

**PERIODIC REVIEW REPORT
FOR PERIOD OF
SEPTEMBER 1, 2017 THROUGH AUGUST 31, 2018**

ENVIRONMENTAL RESTORATION PROGRAM

**ANDREWS STREET SITE
300, 304-308, 320 ANDREWS STREET, 25 EVANS STREET
ROCHESTER, NEW YORK, 14604
NYSDEC SITE #E828144**

Prepared For: City of Rochester
Division of Environmental Quality
Rochester, New York

Prepared By: Day Environmental, Inc.
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Rochester, New York

Date: September 27, 2018

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Attachment A:	Boring Logs and Construction Diagrams for Injection Wells IW-13 Through IW-22
Attachment B:	IW-13 Through IW-22 Drill Cuttings Waste Characterization Analytical Laboratory Results and Disposal Documentation
Attachment C:	Groundwater Monitoring Documentation
Attachment D:	Site-Wide Inspection Form
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I. Introduction

A. Executive Summary

- The Site was previously used for various commercial and industrial purposes since the early 1920s, including plumbing supply, electrical supply, bakery, printer, commercial bus depot and bus repair garage, gasoline station, chemical sales/distribution, dry cleaning equipment distributor, fuel oil contractor, and warehousing.
- Types of contamination at the Site that required remediation included:
 - A source area and groundwater plume of Tetrachloroethene (Perchloroethene or PCE)-impacted soil, urban fill material and/or groundwater above New York State Department of Environmental Conservation (NYSDEC) criteria.
 - A trunk sewer in the former Evans Street right-of-way near the PCE source area that had the potential to act as a preferential pathway and allow PCE to migrate off-site.
 - An area containing two closed-in-place 5,000-gallon capacity petroleum underground storage tanks (USTs) and petroleum-impacted soil above NYSDEC criteria.
 - An area of polychlorinated biphenyl (PCB)-impacted soil above NYSDEC criteria.
 - A trench drain area containing soil impacted with metals and semi-volatile organic compounds (SVOCs) above NYSDEC criteria.
 - A portion of sewer piping on the 320 Andrews Street parcel that contained PCE-impacted sediment.
 - Historic urban fill material across most of the Site that is sporadically impacted with metals and/or SVOCs above NYSDEC criteria.
- Remedial actions were performed at the Site as Interim Remedial Measures (IRMs) and Supplemental IRMs. Remedial actions taken included:
 - Removal and off-site disposal of soil generally above the groundwater table that was contaminated with volatile organic compounds (VOCs), metals, PCBs and SVOCs to concentrations below applicable NYSDEC criteria.
 - Removal and off-site disposal of the two previously closed in-place USTs.
 - Removal and off-site disposal of the buried piping on the 320 Evans Street parcel that contained low levels of PCE-impacted sediments.
 - Removal and off-site disposal of a portion of sewer piping in the former Evans Street right-of-way (ROW) that was potentially acting as a preferential pathway for VOCs to migrate off-site.
 - In-Situ Chemical Oxidation (ISCO) of VOC contamination in saturated soils and groundwater.
 - Installation of a cover system over the Site as an engineering control.
 - Execution and recording of an Environmental Easement as an institutional control.
 - Development and implementation of a Site Management Plan (SMP).

- B. Effectiveness of the Remedial Program
1. Progress made during the reporting period toward meeting the remedial objectives for the Site included: continued ISCO groundwater polishing on a portion of the Site; and continued monitoring and/or inspection of the cover system and/or groundwater conditions.
 2. The work completed to date shows that the remedial program has the ability to achieve the remedial objectives for the Site.
- C. Compliance
1. There are no areas of non-compliance with the SMP as modified with NYSDEC approval.
 2. Given compliance with the Site's SMP, no steps were needed to correct areas of non-compliance.
- D. Recommendations
1. It is recommended that appropriate sections of the SMP be revised to reflect decommissioning of select monitoring wells, additional ISCO polishing activities and modifications to the groundwater monitoring program that have been, or will be, approved by the NYSDEC.
 2. No change to the frequency of Periodic Review Report (PRR) submittals is recommended at this time.
 3. Since residual contamination remains on the Site, it is recommended that site management requirements continue to be implemented.

II. Site Overview

- A. The 1.524 acre Site consists of four contiguous parcels that are addressed as 300, 304-308, and 320 Andrews Street and 25 Evans Street, and are located in the City of Rochester (City), County of Monroe, New York (refer to Figure 1 and Figure 2). The Site is owned by the City.

The Site is bounded by the Inner Loop highway ROW to the north, Andrews Street ROW with commercial property beyond to the south, Franklin Square ROW with a City-owned park beyond to the east, and Bristol Street ROW with commercial property beyond to the west.

Prior to remediation, multiple types of contamination at the Site were identified in various media. Refer to Figure 3 for the locations of IRM areas and significant former features of the Site that may have influenced the migration and distribution of Site contaminants:

Soil

Area 1 (IRM-01) - PCE Source Area

The VOC Tetrachloroethene is the predominant contaminant detected in soil and groundwater at the Site.

Area 2 (IRM-02) - Preferential PCE Migration Pathway

The contaminants from the PCE source area described above appeared to have impacted the sewer (contents, pipe and bedding material) that was located in the adjoining former Evans Street ROW.

Area 3 (IRM-03) - UST Area

The two closed in-place 5,000-gallon capacity USTs, presumed to have stored gasoline and diesel oil, were identified as a potential source area for petroleum contamination

Area 4 (IRM-04) - PCB-Impacted Area

Soil impacted with PCBs above SCOs was identified in an approximate 15 foot by 15 foot area, extending from near the ground surface to a depth of approximately 3 ft. bgs.

Area 5 (IRM-05) - Trench Drain Area

An approximately 130-foot long by 1-foot wide trench drain was located inside a building that was demolished on the 25 Evans Street parcel.

Area 6 (IRM-06) - Piping Area

An area of buried piping, estimated to be approximately 210 linear feet (L.F.) in length, was located on the 320 Andrews Street Parcel.

Area 7 - Historical Fill Material

Heterogeneous historic urban fill material is present across most of the Site.

Miscellaneous Areas with VOCs

Low levels of PCE (in relation to that detected in the PCE source area described above) and other VOCs (acetone, benzene, trimethylbenzenes, trichloroethene, etc.) were detected in soil/fill samples on portions of the Site.

Groundwater

Area 1 (IRM-01) - PCE Source Area; and Area 2 (IRM-02) - Evans Street Sewer

A source of VOCs primarily consisting of PCE was located on the 304-308 Andrews Street parcel. PCE and other VOCs were also identified on the 320 Andrews Street parcel and the 25 Evans Street parcel that are shown on Figure 2.

Miscellaneous Areas of Contaminants

Groundwater samples from each overburden and bedrock monitoring well contained one or more metals exceeding groundwater standards and guidance values.

Evidence of light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL) was not detected at test locations.

B. Chronology

The Site was remediated in accordance with a NYSDEC-approved Interim Remedial Measures Work Plan (IRMWP) dated October 4, 2012, a Supplemental Interim Remedial Measure Work Plan (SIRMWP) dated June 14, 2014, an Addendum #1 to the SIRMWP dated December 10, 2014, and an Addendum #2 to the SIRMWP dated May 11, 2015.

A chronology of the Remedial Actions performed at the Site under the IRMWP is summarized below, and the specific IRM areas are shown on Figure 3:

- **IRM-01:** In November, 2012, a total of 1,673.06 tons of non-hazardous PCE-impacted soil, and 138.83 tons of characteristic hazardous PCE-impacted soil, were removed from an approximate 3,500 SF source area at Area 1 (PCE source area) and disposed off-site at regulated landfills.
- **IRM-02:** In November and December 2012, approximately 115 L.F. of combined sanitary/storm sewer trunk line and associated laterals in the Evans Street ROW near IRM-01 were decommissioned. Approximately 101 tons of PCE-impacted soil was removed from Area 2 (Preferential PCE Migration Pathway) and disposed off-site at a regulated landfill as non-hazardous waste.
- **IRM-03:** In October 2012 and November 2012, two 5,000-gallon previously closed in-place petroleum USTs, their K-Crete contents and 48.82 tons of petroleum-contaminated soil at Area 3 (UST Area) was removed. The steel USTs were recycled, and the K-Crete and contaminated soil were disposed off-site at a regulated landfill as non-hazardous wastes.
- **IRM-04:** In November 2012, a total of 15.64 tons of PCB-impacted soil was removed at Area 4 (PCB-Impacted Area) down to a depth of approximately 3 ft. bgs, and disposed off-site at a regulated landfill as a non-hazardous waste.
- **IRM-05:** In October 2012, a total of 223.21 tons of non-hazardous petroleum and VOC-impacted soil was removed at Area 5 (Trench Drain Area) down to depths of approximately 5.5 ft. bgs from a former trench floor drain area, and disposed off-site at a regulated landfill as a non-hazardous waste.
- **IRM-06:** In October 2012, approximately 210 L.F. of piping, and a limited amount of soil, were removed at Area 6 (Piping Area) down to depths of approximately 3 ft. bgs from the east side of the Site. The piping, sediments, and limited surrounding soil were disposed off-site at a regulated landfill as a non-hazardous waste.

A chronology of the Remedial Actions performed at the Site under the SIRMWP, as amended by Addendum #1 and Addendum #2, is summarized below:

- **Supplemental IRM Soil Removal:** In June 2014 and July 2014, a total of 76.05 tons of PCE-impacted soil were removed from a shallow depth immediately south of Area 1, and disposed off-site at a regulated landfill as a non-hazardous waste (refer to Figure 3).

- **Supplemental IRM In-Situ Chemical Oxidation (ISCO):** Between June 2014 and June 2015, approximately 36,933 pounds of potassium permanganate were injected or otherwise placed in the ground by various methods to treat PCE in saturated soils and groundwater at Area 1 (PCE source area) and surrounding PCE plume area (refer to Figure 4). During this work, approximately 134.32 tons of non-hazardous soil were generated and disposed off-site at a regulated landfill.
- **Cover System:** In November 2014, a site-wide cover system was installed at the Site to allow for restricted residential use (refer to Figure 3). The stone cover is at least two feet thick at locations not covered by the limited areas of existing asphalt and concrete pavements. The cover system is an engineering control that assists in management of residual contamination at the Site.
- **Environmental Easement:** In May 2015, an Environmental Easement was recorded that in part includes land use restrictions, groundwater use restrictions and a requirement to evaluate and mitigate (as warranted) soil vapor intrusion for new buildings. The Environmental Easement is an institutional control that assists in management of residual contamination at the Site.
- **Site Management Plan:** In August 2015, a Site Management Plan (SMP) was finalized that includes an Excavation Work Plan, and was prepared for future environmental management, maintenance and monitoring activities that are required at the Site during future development and use. The SMP is an institutional control that assists in management of residual contamination at the Site.

Cleanup goals for groundwater are NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Groundwater Standards and Guidance Values.

Cleanup or on-site re-use goals for soil are NYSDEC Part 375 Restricted Residential SCOs and Protection of Groundwater SCOs.

Remaining remediation components include: continued implementation of site-wide inspections (e.g., monitoring wells and cover system), and groundwater monitoring in accordance with the SMP. In addition, ISCO polishing-phase treatment continues to be conducted within Area 1 (PCE source area) and the associated plume area. During 2018, ISCO polishing treatment work included: installation of ten new injection wells (designated as IW-13 through IW-22 on Figure 4) in proximity to monitoring wells MW-03A and MW-17; and injection of a total of 220 pounds of potassium permanganate (KMnO₄) mixed with water at injection wells IW-1, IW-4A, IW-4B, IW-5, IW-6, IW-8, IW-9, and IW-13 through IW-22, which are in proximity to monitoring wells MW-01, MW-03A and MW-17. Boring logs and construction diagrams for the ten new injection wells are included in Attachment A. The analytical laboratory report for a waste characterization sample of the soil cuttings from IW-13 through IW-22 [designated as Sample 928-IDW(Soil)], and the associated waste disposal documentation, are included in Attachment B.

III. Evaluation of Remedy Performance, Effectiveness and Protectiveness

A. Effectiveness of Remedies

As documented in a Remedial Investigation/Alternatives Analysis Report (RI/AAR) dated November 2015, soil removals and ISCO were implemented and subsequently evaluated with the collection and analysis of confirmatory soil samples and groundwater samples.

- As shown in the RI/AAR, the results of confirmatory soil samples collected in soil removal areas were successful at remediating the targeted contamination in those areas to levels that meet applicable SCOs.
- The results of previous groundwater monitoring (conducted between November 2014 and June 2017) and monitoring conducted during the reporting period (conducted between December 2017 and August 2018) showed that chlorinated VOCs (CVOCs) in groundwater in some areas were above TOGS 1.1.1 groundwater standards and guidance values for individual VOCs. However, the concentrations of CVOCs in groundwater had been significantly reduced in relation to pre-ISCO baseline concentrations in the source area and plume core. Documentation concerning four groundwater monitoring events performed during this reporting period is included in Attachment C. This documentation includes Figures 5 and 6, Data Tables 1 through 6, Graphs A through I showing CVOC concentrations in groundwater samples over time for select monitoring wells, ASP Category B laboratory reports, and a data validation summary report (DUSR) for the December 2017 lab package. Table 1 is a log of the samples that were analyzed by a laboratory during the reporting period. Table 2 includes the static water levels and calculated groundwater elevations for the 2nd bi-annual and 3rd bi-annual groundwater monitoring events. Table 3 summarizes the VOC results for overburden groundwater samples collected from monitoring wells during the reporting period. As shown on Table 3, post-IRM CVOC concentrations during the PRR reporting period continue to be highest generally in the overburden groundwater at the former source area (MW-03A and MW-17) and/or immediately downgradient in the plume core (MW-01). Table 4 summarizes the VOC results for quality assurance/quality control (QA/QC) samples collected during the reporting period. Table 5 summarizes the VOC results for performance groundwater samples collected from select injection wells during the reporting period. Table 6 summarizes the cumulative VOC results for groundwater samples collected from overburden groundwater monitoring wells between January 2012 and August 2018. As shown on the Graphs, CVOC concentrations in overburden groundwater have generally decreased over time. However, there are occasional increases that may be associated with fluctuations of the groundwater table, etc. It is anticipated that the CVOC concentrations in groundwater at the Site will continue to decrease since residual potassium permanganate from the Supplemental IRM work, and on-going polishing remedial efforts using potassium permanganate, will continue to oxidize the residual CVOCs.

A cover system engineering control was installed at the Site. In accordance with the SMP, an inspection was completed on July 26, 2018. The results of this inspection are presented on the Site-Wide Inspection Form included in Attachment D. As shown, the cover system continues to successfully inhibit contact with underlying Site media.

Based on the monitoring conducted to date, the remedy is shown to be effective at achieving the remedial goals for this Site.

IV. IC/EC Compliance Report

A. IC/EC Requirements/Compliance

1. A description of each control, its objective, and how performance of the control is evaluated is provided below:

- Site Management Plan: The objective of the SMP is to manage remaining contamination above regulatory criteria in a manner that is protective of human health and the environment. The SMP is a living document and is anticipated to be revised and updated during the next reporting period (i.e., September 1, 2018 through August 31, 2019) to reflect the current Site conditions and applicable restrictions. The SMP includes an Institutional and Engineering Control (IC/EC) Plan and a Site Monitoring Plan. An Operation and Maintenance Plan is not included in the SMP since the Site currently does not rely on any mechanical systems to protect public health and the environment. The performance of the controls is evaluated through monitoring and periodic certification. Controls on the Site include:
 - Management of soil and historic fill material during future activities that would penetrate, encounter, or disturb remaining contamination must be conducted in accordance with provisions of the SMP, including the Excavation Work Plan (EWP);
 - A requirement for evaluation of potential soil vapor intrusion into any new enclosed structures on the Site, and designing and implementing engineering controls to address soil vapor intrusion for those structures, if deemed warranted.
 - Requirements for monitoring and repair of the cover system engineering control;
 - Requirements for inspections and notifications for various reasons associated with Site conditions, change in use, change in ownership, etc.
 - Requirements for monitored natural attenuation groundwater sampling and analysis.
- Environmental Easement: Restricts use of the property; restricts use of groundwater; requires implementation of the SMP; requires evaluation of soil vapor intrusion on any new buildings, and mitigation, if needed; requires operating, maintaining and inspecting any engineering controls; requires groundwater and other environmental and public health monitoring; requires monitoring, maintaining and replacing groundwater wells as necessary as set forth in the SMP; requires reporting of SMP data

and information; requires implementation of the SMP for activities that would disturb remaining contaminated media; and requires monitoring to assess the performance and effectiveness of the remedy. The performance of each control is evaluated through periodic certification.

2. Status

Each control is fully in place, is being adhered to, and is effective.

3. Corrective Measures

None Required.

4. Conclusions and Recommendations for Changes

The controls are being implemented and no changes are being recommended.

B. Certification

Certification included as Attachment E.

V. Monitoring Plan Compliance Report

A. Components

- Groundwater Monitoring Plan: As identified in the SMP, monitored attenuation groundwater monitoring is to be completed over a three year period. The monitored attenuation groundwater monitoring is to include quarterly monitoring the first year, and bi-annual (i.e., semi-annual) monitoring for two years thereafter. Any modifications in the monitoring frequency, sampling techniques, the number of wells to be sampled, and the test parameters will be determined by the NYSDEC. This plan also covers monitoring well repairs, replacement, and decommissioning.
- Excavation Work Plan: An EWP is included as part of the SMP for management of soil and historic fill material that may contain residual contamination at the Site.
- Site-Wide Inspection: Site-wide inspections that include cover system monitoring and monitoring well inspection are required at least yearly and also after severe weather conditions that may affect engineering controls or monitoring devices.

B. Summary of Monitoring Completed

- Groundwater Monitoring Plan: December 2017 2nd bi-annual groundwater monitoring, May 2018 performance groundwater monitoring, June 2018 performance groundwater monitoring, and August 2018 3rd bi-annual groundwater monitoring were completed during the reporting period.
 - Monitoring wells MW-01, MW-02, MW-03A, MW-04, MW-05, MW-06, MW-07, MW-11, MW-15, MW-16, MW-17, MW-18, MW-19, and MW-20 were sampled during the December 2017 2nd bi-annual groundwater monitoring event.
 - Monitoring wells MW-01, MW-03A, and MW-17 were sampled during the May 2018 performance groundwater monitoring event.

- Injection wells IW-6, IW-13, IW-14, IW-15, IW-16, IW-21 and IW-22 were sampled during the June 2018 performance groundwater monitoring event.
- Monitoring wells MW-01, MW-02, MW-03A, MW-04, MW-05, MW-06, MW-07, MW-11, MW-15, MW-16, MW-17, MW-18, MW-19, and MW-20, and injection wells IW-13, IW-14, IW-15, IW-16, IW-21 and IW-22 were sampled during the August 2018 3rd bi-annual groundwater monitoring event.

Documentation concerning the above-referenced groundwater monitoring events are included in Attachment C, which includes Figures 5 and 6, Data Tables 1 through 6, Graphs A through I showing CVOC concentrations in groundwater samples over time for select monitoring wells, ASP Category B laboratory reports, and a data validation summary report (DUSR) for the December 2017 lab package.

- Excavation Work Plan: No activities were performed during the reporting period that required the implementation of the EWP requirements.
- Site-Wide Inspection: An annual site-wide inspection was completed on July 26, 2018. A copy of the Site-Wide Inspection Form is included in Attachment D. The inspection revealed the following:
 - Monitoring wells present at the Site at the time of the inspection were in good condition.
 - The Site cover system at the time of the inspection was observed in good condition.

C. Comparison with Remedial Objectives

- Groundwater Monitoring Plan: The results of the groundwater monitoring completed during the reporting period showed some CVOC concentrations exceeded TOGS 1.1.1 groundwater standards and guidance values in select well located generally within or downgradient of the PCE source area. There are some fluctuations in concentrations of CVOCs (i.e., increases and decreases) in relation to previous results, which in part may be attributable to seasonal changes in groundwater levels at the Site. Future ISCO polishing will continue to focus on treatment of the areas on the Site where highest CVOC concentrations are detected (i.e., areas of monitoring wells MW-01, MW-03A and MW-17).
- Excavation Work Plan: N/A
- Site-Wide Inspection: The site cover engineering control continues to meet the remedial objective of protecting human health and the environment from coming into contact with residual contamination at the Site.

D. Monitoring Deficiencies

There are no monitoring deficiencies.

E. Conclusions and Recommendations for Changes

- Groundwater Monitoring Plan: Changes to the groundwater monitoring plan are recommended following the 4th bi-annual groundwater monitoring event. The 4th bi-annual groundwater monitoring event is planned for December 2018 and will involve sampling monitoring wells MW-01, MW-02, MW-03A, MW-04, MW-05, MW-06, MW-07, MW-11, MW-15, MW-16, MW-17, MW-18, MW-19, and MW-20 using passive diffusion bag samplers. The resulting samples will be analyzed for TCL VOCs and tentatively identified compounds (TICs). A groundwater contour map will also be prepared for the 4th bi-annual groundwater monitoring event. Subsequent to completing the 4th bi-annual groundwater monitoring event, it is recommended that groundwater monitoring be reduced to once per year and will involve sampling groundwater from monitoring wells MW-01, MW-02, MW-03A, MW-11, MW-17, MW-18 and MW-19. Since the previously-generated groundwater contour and flow direction data are well-established and consistent for this Site, groundwater contour maps will not be prepared for these subsequent annual groundwater monitoring events. It is also recommended that the remaining monitoring wells (i.e., MW-04, MW-05, MW-06, MW-07, MW-15, MW-16 and MW-20 shown on Figure 7 in Attachment C) be decommissioned in accordance with NYSDEC's CP-43 Groundwater Monitoring Well Decommissioning Procedure dated November 3, 2009 since cumulative groundwater chemical data for these well locations have been consistently low in relation to the wells that are recommended for continued monitoring. Intermittent performance monitoring may also be completed at the City's discretion using one or more of the remaining wells. Subsequent to well decommissioning, the Site's SMP will be updated and revised to reflect the current monitoring well field and groundwater monitoring plan.
- Excavation Work Plan: No changes to the EWP are recommended.
- Site-Wide Inspection: No changes to the site-wide inspection are recommended.

VI. Operation & Maintenance (O&M) Plan Compliance Report

N/A

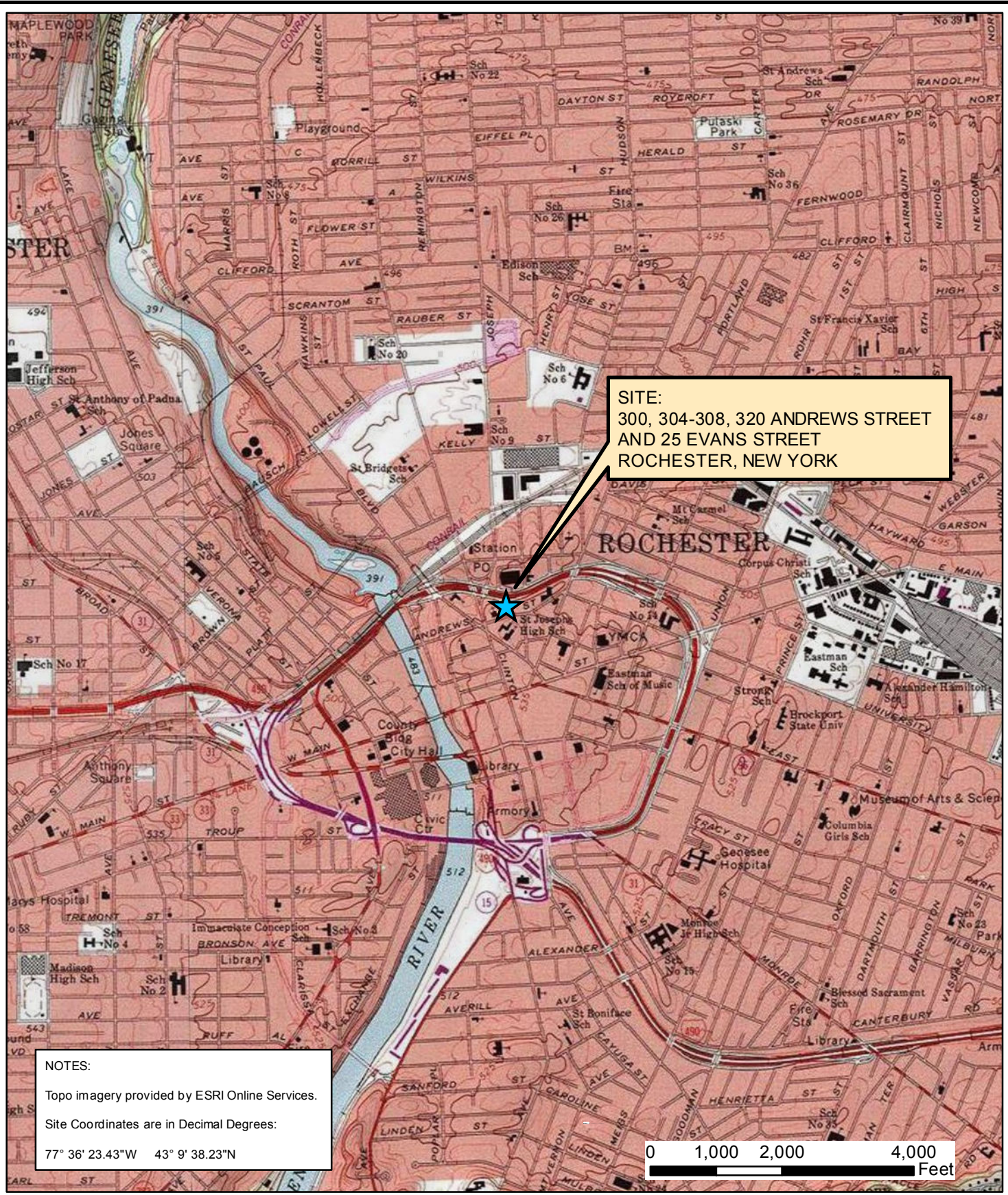
VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP

1. The requirements of the following plans were met during the reporting period:
 - IC/EC requirements.
 - Monitoring Plan requirements.
2. Identify any requirements not met: N/A
3. Identify any proposed plans and a schedule for coming into full compliance: N/A

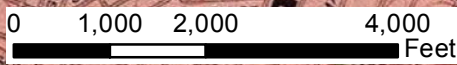
- B. Performance and Effectiveness of Remedy: An evaluation of the components of the SMP during this reporting period indicated that: the IC/EC controls were protective of human health and the environment; the monitoring plan continues to sufficiently monitor the performance of the remedy; and the remedial program is achieving the remedial objectives for the Site.
- C. Future PRR submittals:
1. It is recommended that the frequency of PRR submittals remain unchanged.
 2. Since residual contaminants remain beneath the cover system at the Site, it is recommended that related aspects of the SMP continue to be implemented at this Site. In addition, it is recommended that appropriate sections of the SMP be revised to reflect previous decommissioning of select monitoring wells, additional ISCO polishing activities, and modifications to the groundwater monitoring program that have been, or will be, approved by the NYSDEC.

SITE OVERVIEW FIGURES



SITE:
 300, 304-308, 320 ANDREWS STREET
 AND 25 EVANS STREET
 ROCHESTER, NEW YORK

NOTES:
 Topo imagery provided by ESRI Online Services.
 Site Coordinates are in Decimal Degrees:
 77° 36' 23.43"W 43° 9' 38.23"N



Document Path: S:\DAY\FTP\Dropbox\Andrews_Street\GIS_Data\Andrews_Street\PRR15334S-13-PRR1-Locus Map.mxd

Date	09-26-2017
Drawn By	CPS
Scale	AS NOTED

day
DAY ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10016-0701

Project Title	300, 304-308, 320 ANDREWS STREET AND 25 EVANS STREET ROCHESTER, NEW YORK (NYSDEC SITE NO.: E828144)
Drawing Title	ENVIRONMENTAL RESTORATION PROJECT Project Locus Map

Project No.	5334S-17
	FIGURE 1



Former Evans Street right-of-way
 (Officially abandoned by the City of Rochester in March 2013)
 Andrews Street ERP Site
 Adjacent Parcels



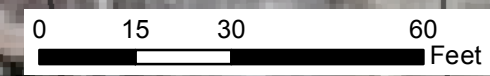
DESIGNED BY	JAD	DATE	02-2015
DRAWN BY	CPS	DATE DRAWN	02-2015
SCALE	AS NOTED	DATE ISSUED	02-06-2015


DAY ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

Project Title	300, 304-308, 320 ANDREWS STREET AND 25 EVANS STREET ROCHESTER, NEW YORK
Drawing Title	Site Plan
ENVIRONMENTAL RESTORATION PROJECT	NYSDEC SITE NO.: E828144

Project No.	5334S-17
FIGURE 2	

NOTES:
 Base mapping data provided by City of Rochester and Monroe County.
 Aerial imagery provided by the City of Rochester, dated 2012.



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Last date document was saved: 25 Sep 2018

St Paul St/N Clinton Ave/Joseph Ave to Inner Loop Ramp



Legend

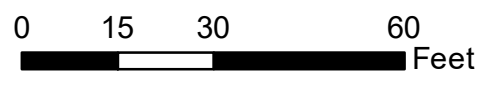
- ⊕ Bedrock monitoring well
- ⊕ Overburden monitoring well
- ⊕ Backfill wells
- ✕ Well Decommissioned in March 2017
- Approximate supplemental IRM soil removal on June 26, 2014 from ground surface to depth of 2 ft
- Approximate additional supplemental soil removal on July 16, 2014 from ground surface to depth of 2 ft
- Area of cover system including 2 ft approved cover material (CR-2) or impermeable surfaces (Asphalt and Concrete) at Andrews Street ERP Site
- Existing impermeable covers (i.e. Asphalt or Concrete)
- Former IRM excavation limits backfilled with 2 ft cover of NYSDEC approved material
- Former Evans Street right-of-way
- Former basements backfilled with NYSDEC approved material



NOTES:

Upper 2 feet + of former basement and former IRM excavation areas are backfilled with NYSDEC approved imported stone that meets NYSDEC DER-10 requirements.

Base mapping data provided by City of Rochester and Monroe County.



DESIGNED BY	JAD	DATE	09-2018
DRAWN BY	CPS	DATE DRAWN	09-2018
SCALE	AS NOTED	DATE ISSUED	09-04-2018

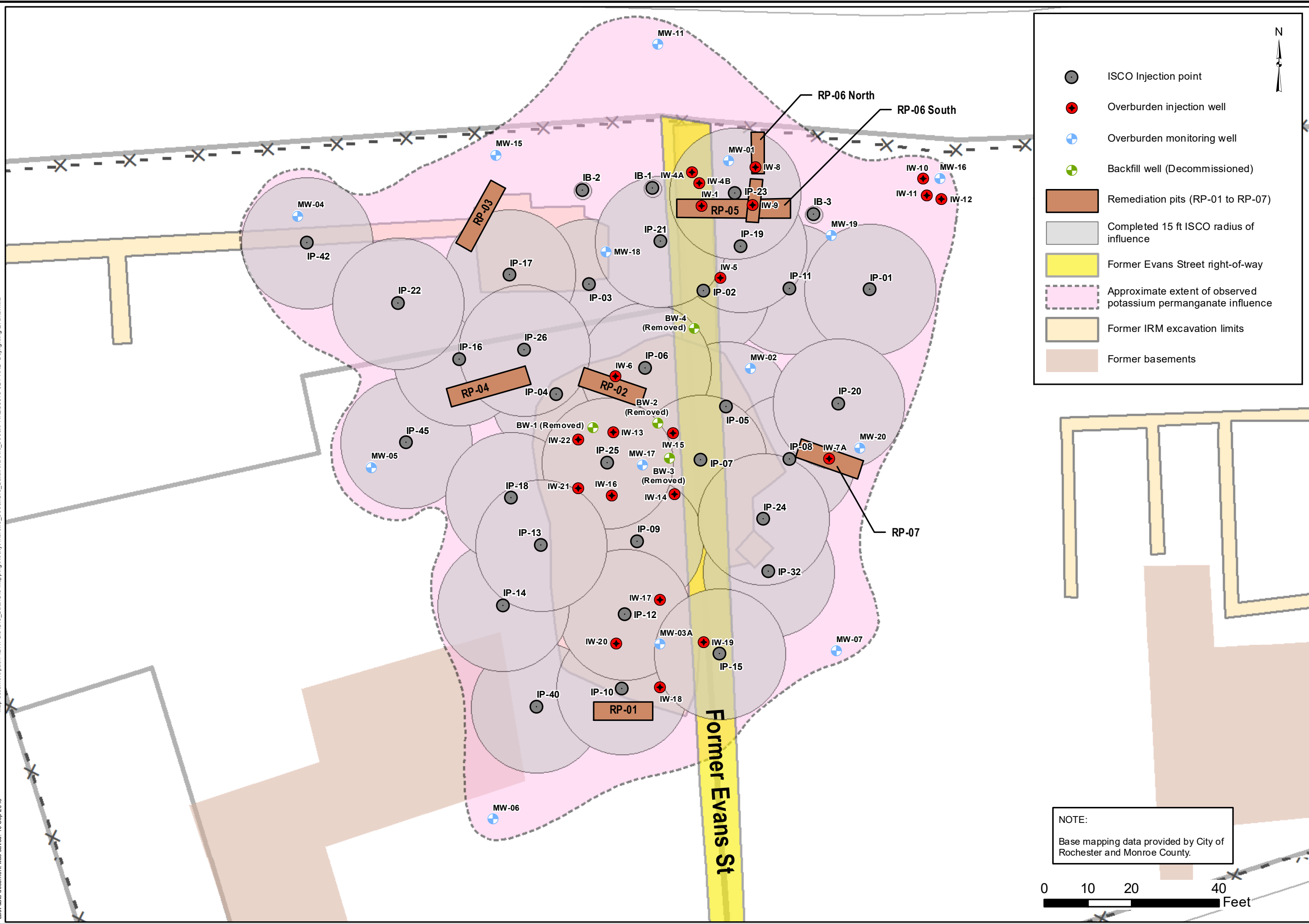
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Project Title
 300, 304-308, 320 ANDREWS STREET
 AND 25 EVANS STREET
 ROCHESTER, NEW YORK
 ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO.: E828144
 Drawing Title
 IRM and Supplemental IRM Soil Removal Areas,
 and Installed Cover System Site Plan

Project No.
5334S-17

FIGURE 3

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	ISCO Injection point
	Overburden injection well
	Overburden monitoring well
	Backfill well (Decommissioned)
	Remediation pits (RP-01 to RP-07)
	Completed 15 ft ISCO radius of influence
	Former Evans Street right-of-way
	Approximate extent of observed potassium permanganate influence
	Former IRM excavation limits
	Former basements

DESIGNED BY	JAD	DATE	09-2018
DRAWN BY	CPS	DATE DRAWN	09-2018
SCALE	AS NOTED	DATE ISSUED	09-10-2018

day
DAY ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

Project Title
 300, 304-308, 320 ANDREWS STREET
 AND 25 EVANS STREET
 ROCHESTER, NEW YORK

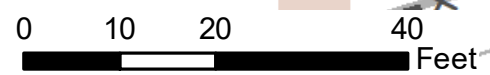
ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO. E828144
 Drawing Title

Site Plan with In-Situ Chemical Oxidation Treatment Measures

Project No.
 5334S-17

FIGURE 4

NOTE:
 Base mapping data provided by City of Rochester and Monroe County.



Attachment A

**Boring Logs and Construction Diagrams for
Injection Wells IW-13 Through IW-22**

Project #: 5334S-17 Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York DAY Representative: D Peck Drilling Contractor: Earth Dimensions Sampling Method: Split Spoon 2"	<div style="text-align: right; border: 1px solid black; padding: 2px;">Test Boring IW-13</div> Ground Elevation: NA Datum: NA Page 1 of 2 Date Started: 2/5/2018 Date Ended: 2/5/2018 Borehole Depth: 25.0' Borehole Diameter: 8" Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings Water Level (Date): Wet soil @ 15.5' (2/5/18)
--	---

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2									
3									
4									
5									
6									
7									
8	69	S-1	7-9	5	68	8.4	NA	Brown, reworked Silt and Gravel (FILL)	
9	36								
10	32	S-2	9-11	80	71	1.0	NA	Gray, Gravel, little Silt (FILL)	
11	32								
12	24	S-3	11-13	90	88	3099	NA	Reddish-Brown, fine SAND, moist	Solvent type odor
13	36								
14	38	S-4	13-15	90		1872	NA	Reddish-Gray, SILT, little Gravel, moist	
15	42								
16	46	S-5	15-15.8	80		1386	NA	...wet	
17	50								

- Notes:**
- 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring IW-13

Project #: <u>5334S-17</u> Project Address: <u>300, 304-308, 320 Andrews St, 25 Evans St</u> <u>Rochester, New York</u> DAY Representative: <u>D Peck</u> Drilling Contractor: <u>Earth Dimensions</u> Sampling Method: <u>Split Spoon 2"</u>	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Ground Elevation: <u>NA</u></td> <td style="width:33%;">Datum: <u>NA</u></td> <td style="width:33%; text-align: right;">Test Boring IW-13</td> </tr> <tr> <td>Date Started: <u>2/5/2018</u></td> <td>Date Ended: <u>2/5/2018</u></td> <td style="text-align: right;">Page 2 of 2</td> </tr> <tr> <td>Borehole Depth: <u>25.0'</u></td> <td>Borehole Diameter: <u>8"</u></td> <td></td> </tr> <tr> <td colspan="3">Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings</td> </tr> <tr> <td colspan="3">Water Level (Date): <u>Wet soil @ 15.5' (2/5/18)</u></td> </tr> </table>	Ground Elevation: <u>NA</u>	Datum: <u>NA</u>	Test Boring IW-13	Date Started: <u>2/5/2018</u>	Date Ended: <u>2/5/2018</u>	Page 2 of 2	Borehole Depth: <u>25.0'</u>	Borehole Diameter: <u>8"</u>		Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings			Water Level (Date): <u>Wet soil @ 15.5' (2/5/18)</u>		
Ground Elevation: <u>NA</u>	Datum: <u>NA</u>	Test Boring IW-13														
Date Started: <u>2/5/2018</u>	Date Ended: <u>2/5/2018</u>	Page 2 of 2														
Borehole Depth: <u>25.0'</u>	Borehole Diameter: <u>8"</u>															
Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings																
Water Level (Date): <u>Wet soil @ 15.5' (2/5/18)</u>																

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	11							Tan, fine SAND, little to some Silt, trace Gravel, wet	
18	9	S-6	17-19	70	34	2662	NA		
	25								
19	51								
20	43					289		...very dense	
	48	S-7	19-21	80	95	5713	NA	...Brown/Black Stain, medium SAND seam (1" - 2")	Strong PCE odor
	47					1639			
21	51								
	WR							Tan, fine SAND, saturated	
22	WH	S-8	21-23	50	NA	445	NA	...loose	
	7							...some large Gravel	
	19								
23								...Fine SAND, wet	
24	NA	S-9	23-25	80	NA	23.7	NA	...grading to very fine SAND	Small amount of purple visible on groundwater
25									
26								Terminated @ 25.0'	
27									
28									
29									
30									
31									
32									

- Notes:**
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 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring IW-13

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 FAX (212) 986-8657

Project #: 5334S-17 Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York DAY Representative: D Peck Drilling Contractor: Earth Dimensions Sampling Method: Split Spoon 2"	<div style="text-align: right; border: 1px solid black; padding: 2px; display: inline-block;">Test Boring IW-14</div> Ground Elevation: NA Datum: NA Page 1 of 2 Date Started: 2/7/2018 Date Ended: 2/7/2018 Borehole Depth: 20.0' Borehole Diameter: 8" Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings Water Level (Date): Wet soil @ 10.0' (2/7/18)
--	--

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2									
3									
4									
5									
6									
7	11 19	S-1	6-8	90	33	20.4	NA	Gray/Brown/Red, reworked Silt, Sand, Gravel, moist (FILL)	
8	14 18								
9	17 32	S-2	8-10	80	52	1.8	NA		
10	36							...wet	
11	24 33	S-3	10-12	90	54	2.4	NA		
12	50/5							Reddish-Gray, SILT, little fine Sand, trace Gravel, moist	
13	50/4	S-4	12-14	10	NA	9.8	NA		
14									
15	50/4	S-5	14-16	20	NA	24.9	NA		Driller notes large cobble @ 14.5'
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

Project #: <u>5334S-17</u> Project Address: <u>300, 304-308, 320 Andrews St, 25 Evans St</u> <u>Rochester, New York</u> DAY Representative: <u>D Peck</u> Drilling Contractor: <u>Earth Dimensions</u> Sampling Method: <u>Split Spoon 2"</u>	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Ground Elevation: <u>NA</u></td> <td style="width:50%;">Datum: <u>NA</u></td> </tr> <tr> <td>Date Started: <u>2/7/2018</u></td> <td>Date Ended: <u>2/7/2018</u></td> </tr> <tr> <td>Borehole Depth: <u>20.0'</u></td> <td>Borehole Diameter: <u>8"</u></td> </tr> <tr> <td colspan="2">Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings</td> </tr> <tr> <td colspan="2">Water Level (Date): <u>Wet soil @ 10.0' (2/7/18)</u></td> </tr> </table>	Ground Elevation: <u>NA</u>	Datum: <u>NA</u>	Date Started: <u>2/7/2018</u>	Date Ended: <u>2/7/2018</u>	Borehole Depth: <u>20.0'</u>	Borehole Diameter: <u>8"</u>	Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings		Water Level (Date): <u>Wet soil @ 10.0' (2/7/18)</u>	
Ground Elevation: <u>NA</u>	Datum: <u>NA</u>										
Date Started: <u>2/7/2018</u>	Date Ended: <u>2/7/2018</u>										
Borehole Depth: <u>20.0'</u>	Borehole Diameter: <u>8"</u>										
Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings											
Water Level (Date): <u>Wet soil @ 10.0' (2/7/18)</u>											

Test Boring IW-14

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	69 50/3	S-6	16-18	25	NA	37.3	NA		
18									
19	55 50/4	S-7	18-20	30	NA	21.3	NA		
20								Terminated @ 20.0'	
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

- Notes:**
- 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring IW-14

Project #: 5334S-17 Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York DAY Representative: D Peck Drilling Contractor: Earth Dimensions Sampling Method: Split Spoon 2"	<div style="text-align: right; border: 1px solid black; padding: 2px; display: inline-block;">Test Boring IW-15</div> Ground Elevation: NA Datum: NA Page 1 of 2 Date Started: 2/6/2018 Date Ended: 2/6/2018 Borehole Depth: 20.0' Borehole Diameter: 8" Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings Water Level (Date): NA
--	---

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2									
3									
4									
5									
6									
7	9 20 50/4	S-1	6-8	60	NA	9.9	NA	Reworked Silt and Sand, trace Gravel and Brick, moist (FILL)	
8									
9	12 14 19 22	S-2	8-10	80	33	0.9	NA	...1" Wood	
10									
11	22 20 21 21	S-3	10-12	80	41	9.0	NA	Brown, fine SAND, little Silt and Gravel, moist	
12									
13	23 44 50/5	S-4	12-14	70	NA	7.0	NA	Tan, SILT, little Gravel, moist, very dense	
14									
15	44 50/3	S-5	14-16	50	NA	NA	NA		
16									
									Tan, fine SAND, little Silt, trace Gravel, moist, very dense

- Notes:**
- 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring IW-15

Project #: 5334S-17 Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York DAY Representative: D Peck Drilling Contractor: Earth Dimensions Sampling Method: Split Spoon 2"	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Ground Elevation: NA</td> <td style="width:50%;">Datum: NA</td> </tr> <tr> <td>Date Started: 2/6/2018</td> <td>Date Ended: 2/6/2018</td> </tr> <tr> <td>Borehole Depth: 20.0'</td> <td>Borehole Diameter: 8"</td> </tr> <tr> <td colspan="2"> Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings </td> </tr> <tr> <td colspan="2">Water Level (Date): NA</td> </tr> </table>	Ground Elevation: NA	Datum: NA	Date Started: 2/6/2018	Date Ended: 2/6/2018	Borehole Depth: 20.0'	Borehole Diameter: 8"	Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings		Water Level (Date): NA	
Ground Elevation: NA	Datum: NA										
Date Started: 2/6/2018	Date Ended: 2/6/2018										
Borehole Depth: 20.0'	Borehole Diameter: 8"										
Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings											
Water Level (Date): NA											

Test Boring IW-15

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	77 50/9	S-6	16-18	40	NA	12.8	NA		
18	57								
19	50/3	S-7	18-20	30	NA	21.6	NA		
20								Terminated @ 20.0'	
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

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 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring IW-15

Project #: <u>5334S-17</u> Project Address: <u>300, 304-308, 320 Andrews St, 25 Evans St</u> <u>Rochester, New York</u> DAY Representative: <u>D Peck</u> Drilling Contractor: <u>Earth Dimensions</u> Sampling Method: <u>Split Spoon 2"</u>	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Ground Elevation: <u>NA</u></td> <td style="width:50%;">Datum: <u>NA</u></td> </tr> <tr> <td>Date Started: <u>2/5/2018</u></td> <td>Date Ended: <u>2/6/2018</u></td> </tr> <tr> <td>Borehole Depth: <u>25.0'</u></td> <td>Borehole Diameter: <u>8"</u></td> </tr> <tr> <td colspan="2">Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings</td> </tr> <tr> <td colspan="2">Water Level (Date): <u>NA</u></td> </tr> </table>	Ground Elevation: <u>NA</u>	Datum: <u>NA</u>	Date Started: <u>2/5/2018</u>	Date Ended: <u>2/6/2018</u>	Borehole Depth: <u>25.0'</u>	Borehole Diameter: <u>8"</u>	Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings		Water Level (Date): <u>NA</u>	
Ground Elevation: <u>NA</u>	Datum: <u>NA</u>										
Date Started: <u>2/5/2018</u>	Date Ended: <u>2/6/2018</u>										
Borehole Depth: <u>25.0'</u>	Borehole Diameter: <u>8"</u>										
Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings											
Water Level (Date): <u>NA</u>											

Test Boring IW-16

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2									
3									
4									
5									
6									
7									
8								Augered to 25.0', no split spoon samples collected	
9									
10									
11									
12									
13									
14									
15									
16									

- Notes:**
- 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring IW-16

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Project #: 5334S-17 Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York DAY Representative: D Peck Drilling Contractor: Earth Dimensions Sampling Method: Split Spoon 2"	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Ground Elevation: NA</td> <td style="width:50%;">Datum: NA</td> </tr> <tr> <td>Date Started: 2/5/2018</td> <td>Date Ended: 2/6/2018</td> </tr> <tr> <td>Borehole Depth: 25.0'</td> <td>Borehole Diameter: 8"</td> </tr> <tr> <td colspan="2">Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings</td> </tr> <tr> <td colspan="2">Water Level (Date): NA</td> </tr> </table>	Ground Elevation: NA	Datum: NA	Date Started: 2/5/2018	Date Ended: 2/6/2018	Borehole Depth: 25.0'	Borehole Diameter: 8"	Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings		Water Level (Date): NA	
Ground Elevation: NA	Datum: NA										
Date Started: 2/5/2018	Date Ended: 2/6/2018										
Borehole Depth: 25.0'	Borehole Diameter: 8"										
Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings											
Water Level (Date): NA											

Test Boring IW-16

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17									
18									
19									
20									
21									
22									
23									
24									
25								Augered to 25.0', no split spoon samples collected	
26								Terminated @ 25.0'	
27									
28									
29									
30									
31									
32									

- Notes:**
- 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
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Test Boring IW-16

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Ground Elevation: <u>NA</u>	Datum: <u>NA</u>										
Date Started: <u>2/7/2018</u>	Date Ended: <u>2/7/2018</u>										
Borehole Depth: <u>20.0'</u>	Borehole Diameter: <u>8"</u>										
Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings											
Water Level (Date): <u>Wet soil @ 10.5' (2/7/18)</u>											

Test Boring IW-17

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2									
3									
4									
5									
6									
7	8 11	S-1	6-8	50	21	1.2	NA	Gray, Silt and Gravel, moist (FILL)	
8	10 12								
9	6 12	S-2	8-10	60	18	1.2	NA	Tan, fine SAND and SILT, trace Gravel, moist	
10	25								
11	190 27 43	S-3	10-12	70	70	0.7	NA	Brown, fine SAND, wet	
12	50/4								
13	38 50/4	S-4	12-14	40	NA	4.4	NA	Reddish-Gray, SILT, little fine Sand, trace Gravel, moist, very dense	
14	52								
15	50/5	S-5	14-16	30	NA	14.2	NA		
16									

- Notes:**
- 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring IW-17

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Project #: 5334S-17 Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York DAY Representative: D Peck Drilling Contractor: Earth Dimensions Sampling Method: Split Spoon 2"	<div style="text-align: right; border: 1px solid black; padding: 2px; display: inline-block;">Test Boring IW-17</div> <div style="text-align: right; font-size: small;">Page 2 of 2</div> Ground Elevation: NA Datum: NA Date Started: 2/7/2018 Date Ended: 2/7/2018 Borehole Depth: 20.0' Borehole Diameter: 8" Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings Water Level (Date): Wet soil @10.5' (2/7/18)
--	--

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	48 50/4	S-6	16-18	50	NA	2.7	NA		
18									
19	85 50/5	S-7	18-20	40	NA	1.8	NA		
20								Terminated @ 20.0'	
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

Project #: <u>5334S-17</u> Project Address: <u>300, 304-308, 320 Andrews St, 25 Evans St</u> <u>Rochester, New York</u> DAY Representative: <u>D Peck</u> Drilling Contractor: <u>Earth Dimensions</u> Sampling Method: <u>Split Spoon 2"</u>	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Ground Elevation: <u>NA</u></td> <td style="width:50%;">Datum: <u>NA</u></td> </tr> <tr> <td>Date Started: <u>2/8/2018</u></td> <td>Date Ended: <u>2/8/2018</u></td> </tr> <tr> <td>Borehole Depth: <u>22.0'</u></td> <td>Borehole Diameter: <u>8"</u></td> </tr> <tr> <td colspan="2">Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings</td> </tr> <tr> <td colspan="2">Water Level (Date): <u>NA</u></td> </tr> </table>	Ground Elevation: <u>NA</u>	Datum: <u>NA</u>	Date Started: <u>2/8/2018</u>	Date Ended: <u>2/8/2018</u>	Borehole Depth: <u>22.0'</u>	Borehole Diameter: <u>8"</u>	Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings		Water Level (Date): <u>NA</u>	
Ground Elevation: <u>NA</u>	Datum: <u>NA</u>										
Date Started: <u>2/8/2018</u>	Date Ended: <u>2/8/2018</u>										
Borehole Depth: <u>22.0'</u>	Borehole Diameter: <u>8"</u>										
Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings											
Water Level (Date): <u>NA</u>											

Test Boring IW-18

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15	29	S-1	14-16	50	NA	0.5	NA	Reddish-Gray, SILT, little fine Sand, trace Gravel, moist	
16	50/5								

Auger to 14.0', no split spoon samples collected

- Notes:**
- 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring IW-18

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Project #: 5334S-17 Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York DAY Representative: D Peck Drilling Contractor: Earth Dimensions Sampling Method: Split Spoon 2"	<div style="text-align: right; border: 1px solid black; padding: 2px; display: inline-block;">Test Boring IW-18</div> Ground Elevation: NA Datum: NA Date Started: 2/8/2018 Date Ended: 2/8/2018 Borehole Depth: 22.0' Borehole Diameter: 8" Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings Water Level (Date): NA
--	--

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	49 50/2	S-2	16-18	40	NA	0.6	NA		
18									
19	50/5	S-3	18-20	30	NA	0.5	NA		
20									
21	38 50/5	S-4	20-22	30	NA	0.6	NA		
22								Terminated @ 22.0'	
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

- Notes:**
- 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Project #: 5334S-17 Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York DAY Representative: D Peck Drilling Contractor: Earth Dimensions Sampling Method: Split Spoon 2"	<div style="text-align: right; border: 1px solid black; padding: 2px; font-weight: bold;">Test Boring IW-19</div> Ground Elevation: NA Datum: NA Page 1 of 2 Date Started: 2/8/2018 Date Ended: 2/8/2018 Borehole Depth: 22.0' Borehole Diameter: 8" Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings Water Level (Date): Wet soil @ 10.0' (2/8/18)
--	---

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									Ground surface elevation of this test boring/well is 1-2' higher than earlier borings Auger to 8.0', no split spoon samples collected
2									
3									
4									
5									
6									
7									
8									
9	17	S-1	8-10	80	31	12.0	NA	Tan, fine SAND, some Silt, trace Gravel, moist	
10	17							...fine SAND, wet	
	20								
11	9								
	17	S-2	10-12	80	39	2.0	NA		
	22								
	41								
12	38								
13	50/5	S-3	12-14	50		2.5	NA	Tan, SILT, little fine Sand, trace Gravel, moist	
14	50								
15	50/5	S-4	14-16	50	NA	6.6	NA	...Reddish-Gray	
16									

- Notes:**
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 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring IW-19

Project #: 5334S-17 Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York DAY Representative: D Peck Drilling Contractor: Earth Dimensions Sampling Method: Split Spoon 2"	<div style="text-align: right; border: 1px solid black; padding: 2px; display: inline-block;">Test Boring IW-19</div> Ground Elevation: NA Datum: NA Page 2 of 2 Date Started: 2/8/2018 Date Ended: 2/8/2018 Borehole Depth: 22.0' Borehole Diameter: 8" Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings Water Level (Date): Wet soil @ 10.0' (2/8/18)
--	--

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	54 50/4	S-5	16-18	60	NA	1.0	NA		
18	50/2							...cobble?	
19		S-6	18-20	10	NA	1.7	NA		
20	54								
21	50/3	S-7	20-22	NA	NA	1.5	NA		
22								Terminated @ 22.0'	
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
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 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
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Project #: <u>5334S-17</u> Project Address: <u>300, 304-308, 320 Andrews St, 25 Evans St</u> <u>Rochester, New York</u> DAY Representative: <u>D Peck</u> Drilling Contractor: <u>Earth Dimensions</u> Sampling Method: <u>Split Spoon 2"</u>	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Ground Elevation: <u>NA</u></td> <td style="width:50%;">Datum: <u>NA</u></td> </tr> <tr> <td>Date Started: <u>2/6/2018</u></td> <td>Date Ended: <u>2/6/2018</u></td> </tr> <tr> <td>Borehole Depth: <u>20.0'</u></td> <td>Borehole Diameter: <u>8"</u></td> </tr> <tr> <td colspan="2">Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings</td> </tr> <tr> <td colspan="2">Water Level (Date): <u>Wet soil @ 8.0' (2/6/18)</u></td> </tr> </table>	Ground Elevation: <u>NA</u>	Datum: <u>NA</u>	Date Started: <u>2/6/2018</u>	Date Ended: <u>2/6/2018</u>	Borehole Depth: <u>20.0'</u>	Borehole Diameter: <u>8"</u>	Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings		Water Level (Date): <u>Wet soil @ 8.0' (2/6/18)</u>	
Ground Elevation: <u>NA</u>	Datum: <u>NA</u>										
Date Started: <u>2/6/2018</u>	Date Ended: <u>2/6/2018</u>										
Borehole Depth: <u>20.0'</u>	Borehole Diameter: <u>8"</u>										
Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings											
Water Level (Date): <u>Wet soil @ 8.0' (2/6/18)</u>											

Test Boring IW-20

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2									
3									
4									
5									
6									
7	27	S-1	6-8	50	24	4.1	NA	Gray, Silt and Gravel, trace Brick, trace Clay (FILL)	
8	13								
9	11								
10	12								
11	13	S-2	8-10	70	30	0.9	NA	Tan, fine SAND, moist/wet	
12	14								
13	16								
14	20								
15	30	S-3	10-12	80	84	1.2	NA	...wet	
16	41								
17	43								
18	50/5								
19	85	S-4	12-14	60	NA	4.4	NA	Reddish-Gray, SILT, little fine Sand, trace Gravel, moist, very dense	
20	50/4								
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
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- Notes:**
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 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring IW-20

Project #: 5334S-17 Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York DAY Representative: D Peck Drilling Contractor: Earth Dimensions Sampling Method: Split Spoon 2"	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Ground Elevation: NA</td> <td style="width:50%;">Datum: NA</td> </tr> <tr> <td>Date Started: 2/6/2018</td> <td>Date Ended: 2/6/2018</td> </tr> <tr> <td>Borehole Depth: 20.0'</td> <td>Borehole Diameter: 8"</td> </tr> <tr> <td colspan="2">Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings</td> </tr> <tr> <td colspan="2">Water Level (Date): Wet soil @ 8.0' (2/6/18)</td> </tr> </table>	Ground Elevation: NA	Datum: NA	Date Started: 2/6/2018	Date Ended: 2/6/2018	Borehole Depth: 20.0'	Borehole Diameter: 8"	Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings		Water Level (Date): Wet soil @ 8.0' (2/6/18)	
Ground Elevation: NA	Datum: NA										
Date Started: 2/6/2018	Date Ended: 2/6/2018										
Borehole Depth: 20.0'	Borehole Diameter: 8"										
Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings											
Water Level (Date): Wet soil @ 8.0' (2/6/18)											

Test Boring IW-20

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	97 50/2	S-6	16-18	40	NA	1.8	NA		
18									
19	46 47 55 61	S-7	18-20	80	NA	NA	NA	Tan, very fine SAND, moist ...wet @ 19.9'	
20								Terminated @ 20.0'	
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

- Notes:**
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Test Boring IW-20

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Project #: <u>5334S-17</u> Project Address: <u>300, 304-308, 320 Andrews St, 25 Evans St</u> <u>Rochester, New York</u> DAY Representative: <u>D Peck</u> Drilling Contractor: <u>Earth Dimensions</u> Sampling Method: <u>Split Spoon 2"</u>	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Ground Elevation: <u>NA</u></td> <td style="width:50%;">Datum: <u>NA</u></td> </tr> <tr> <td>Date Started: <u>2/9/2018</u></td> <td>Date Ended: <u>2/9/2018</u></td> </tr> <tr> <td>Borehole Depth: <u>20.0'</u></td> <td>Borehole Diameter: <u>8"</u></td> </tr> <tr> <td colspan="2">Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings</td> </tr> <tr> <td colspan="2">Water Level (Date): <u>NA</u></td> </tr> </table>	Ground Elevation: <u>NA</u>	Datum: <u>NA</u>	Date Started: <u>2/9/2018</u>	Date Ended: <u>2/9/2018</u>	Borehole Depth: <u>20.0'</u>	Borehole Diameter: <u>8"</u>	Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings		Water Level (Date): <u>NA</u>	
Ground Elevation: <u>NA</u>	Datum: <u>NA</u>										
Date Started: <u>2/9/2018</u>	Date Ended: <u>2/9/2018</u>										
Borehole Depth: <u>20.0'</u>	Borehole Diameter: <u>8"</u>										
Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings											
Water Level (Date): <u>NA</u>											

Test Boring IW-21

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11	24								
	38	S-1	10-12	90	NA	0.8	NA	Brown fine SAND, little Gravel, dense, moist	
	36								
12	49								
	18								
13	30	S-2	12-14	70	NA	4.0	NA		
	50/5								
14									
	39								
15	50/5	S-3	14-16	60	NA	54.1	NA	Reddish-Gray, SILT, little Gravel, moist	
16									

- Notes:**
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 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring IW-21

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Project #: 5334S-17 Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York DAY Representative: D Peck Drilling Contractor: Earth Dimensions Sampling Method: Split Spoon 2"	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Ground Elevation: NA</td> <td style="width:50%;">Datum: NA</td> </tr> <tr> <td>Date Started: 2/9/2018</td> <td>Date Ended: 2/9/2018</td> </tr> <tr> <td>Borehole Depth: 20.0'</td> <td>Borehole Diameter: 8"</td> </tr> <tr> <td colspan="2">Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings</td> </tr> <tr> <td colspan="2">Water Level (Date): NA</td> </tr> </table>	Ground Elevation: NA	Datum: NA	Date Started: 2/9/2018	Date Ended: 2/9/2018	Borehole Depth: 20.0'	Borehole Diameter: 8"	Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings		Water Level (Date): NA	
Ground Elevation: NA	Datum: NA										
Date Started: 2/9/2018	Date Ended: 2/9/2018										
Borehole Depth: 20.0'	Borehole Diameter: 8"										
Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings											
Water Level (Date): NA											

Test Boring IW-21

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	30 50/5	S-4	16-18	60	NA	66.6	NA		
18									
19	26 35 32 38	S-5	18-20	80	67	2.5	NA		
20								Tan, very fine SAND, moist	
21								Terminated @ 20.0'	
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

- Notes:**
- 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
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 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture

Test Boring IW-21

Project #: 5334S-17 Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York DAY Representative: D Peck Drilling Contractor: Earth Dimensions Sampling Method: Split Spoon 2"	<div style="text-align: right; border: 1px solid black; padding: 2px;">Test Boring IW-22</div> Ground Elevation: NA Datum: NA Page 1 of 2 Date Started: 2/8/2018 Date Ended: 2/8/2018 Borehole Depth: 20.0' Borehole Diameter: 8" Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings Water Level (Date): Wet soil @ 10.0' (2/8/18)
--	--

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
1									
2									
3									
4									
5								Auger to 10.0', no split spoon samples collected	
6									
7									
8									
9									
10	8							Gray, Silt and Gravel, wet (FILL)	
11	14	S-1	10-12	80	43	1.3	NA		
	29							Brown, fine SAND, dense, moist	
	39								
12	37							Gray, SILT, little Gravel, moist	
13	49	S-2	12-14	70	NA	3.0	NA		
	50/5								
14	36							...Reddish-Gray, very dense	
15	56	S-3	14-16	90	NA	74.0	NA		
	50/5								
16									

Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 4) NA = Not Available or Not Applicable
 5) Headspace PID readings may be influenced by moisture

Test Boring IW-22

Project #: 5334S-17		Test Boring IW-22
Project Address: 300, 304-308, 320 Andrews St, 25 Evans St Rochester, New York	Ground Elevation: NA	Date: NA
DAY Representative: D Peck	Date Started: 2/8/2018	Date Ended: 2/9/2018
Drilling Contractor: Earth Dimensions	Borehole Depth: 20.0'	Borehole Diameter: 8"
Sampling Method: Split Spoon 2"	Completion Method: <input checked="" type="checkbox"/> Injection Well Installed <input type="checkbox"/> Backfilled with Grout <input type="checkbox"/> Backfilled with Cuttings	
	Water Level (Date): Wet soil @ 10.0' (2/8/18)	

Depth (ft)	Blows per 0.5 ft.	Sample Number	Sample Depth (ft)	% Recovery	N-Value or RQD%	Headspace PID (ppm)	PID Reading (ppm)	Sample Description	Notes
17	78	S-4	16-18	30	NA	205.1	NA		
18	46								
19	30	S-5	18-20	90	NA	24.8	NA		
	52							...Tan, very fine SAND, little rounded Gravel, moist	
20	50/5							Terminated @ 20.0'	
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									

- Notes:**
- 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 - 2) Stratification lines represent approximate boundaries. Transitions may be gradual.
 - 3) PID readings are referenced to a benzene standard measured in the headspace above the sample using a MiniRae 3000 equipped with a 10.6 eV lamp.
 - 4) NA = Not Available or Not Applicable
 - 5) Headspace PID readings may be influenced by moisture



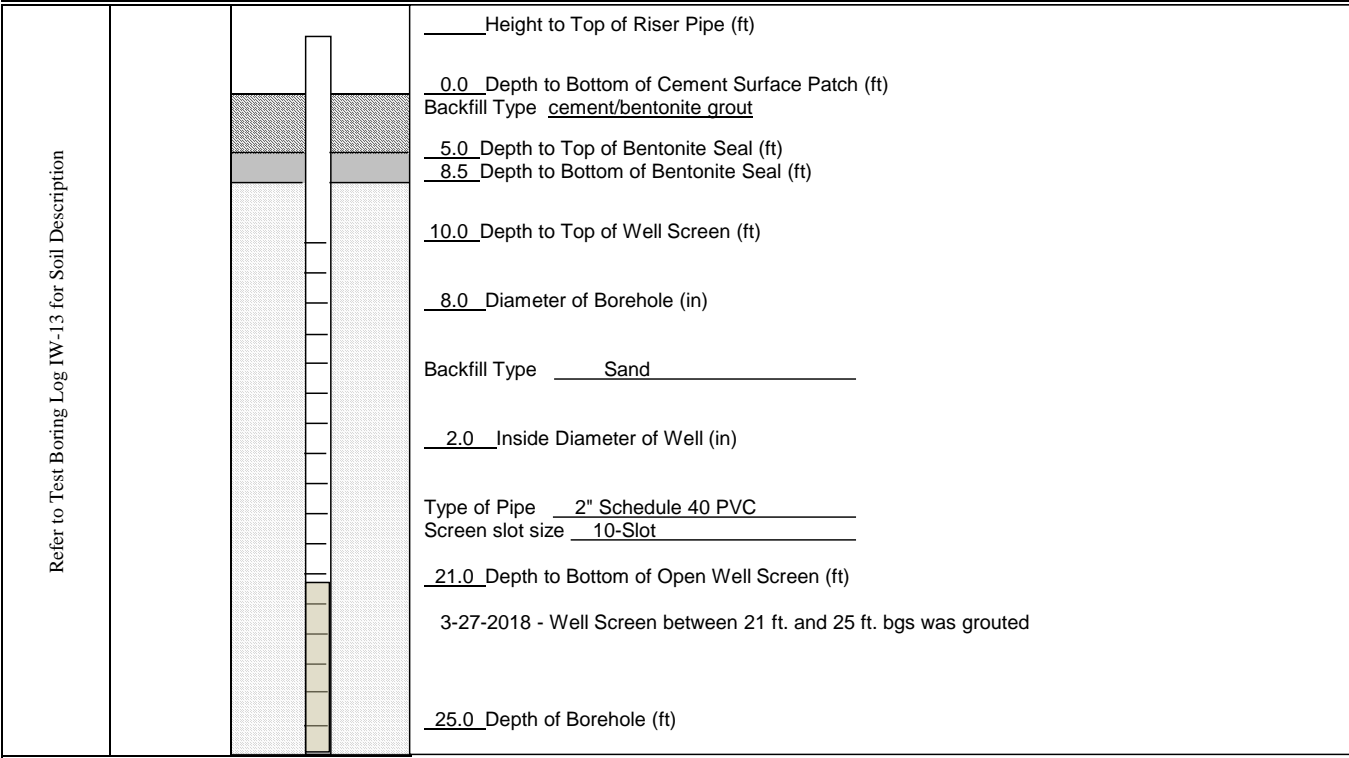
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ENVIRONMENTAL CONSULTANTS

AN AFFILIATE OF DAY ENGINEERING, P.C.

INJECTION WELL CONSTRUCTION DIAGRAM

Project #: 5334S-17			INJECTION WELL IW-13
Project Address: Andrews Street Rochester, NY	Ground Elevation: NA	Datum: NA	
DAY Representative: D. Peck	Date Started: 2/5/2018	Date Ended: 2/5/2018	
Drilling Contractor: Earth Dimensions	Water Level (Date): Wet soil @ 15.5' (2/5/18)		



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) NA = Not Available or Not Applicable

INJECTION WELL IW-13

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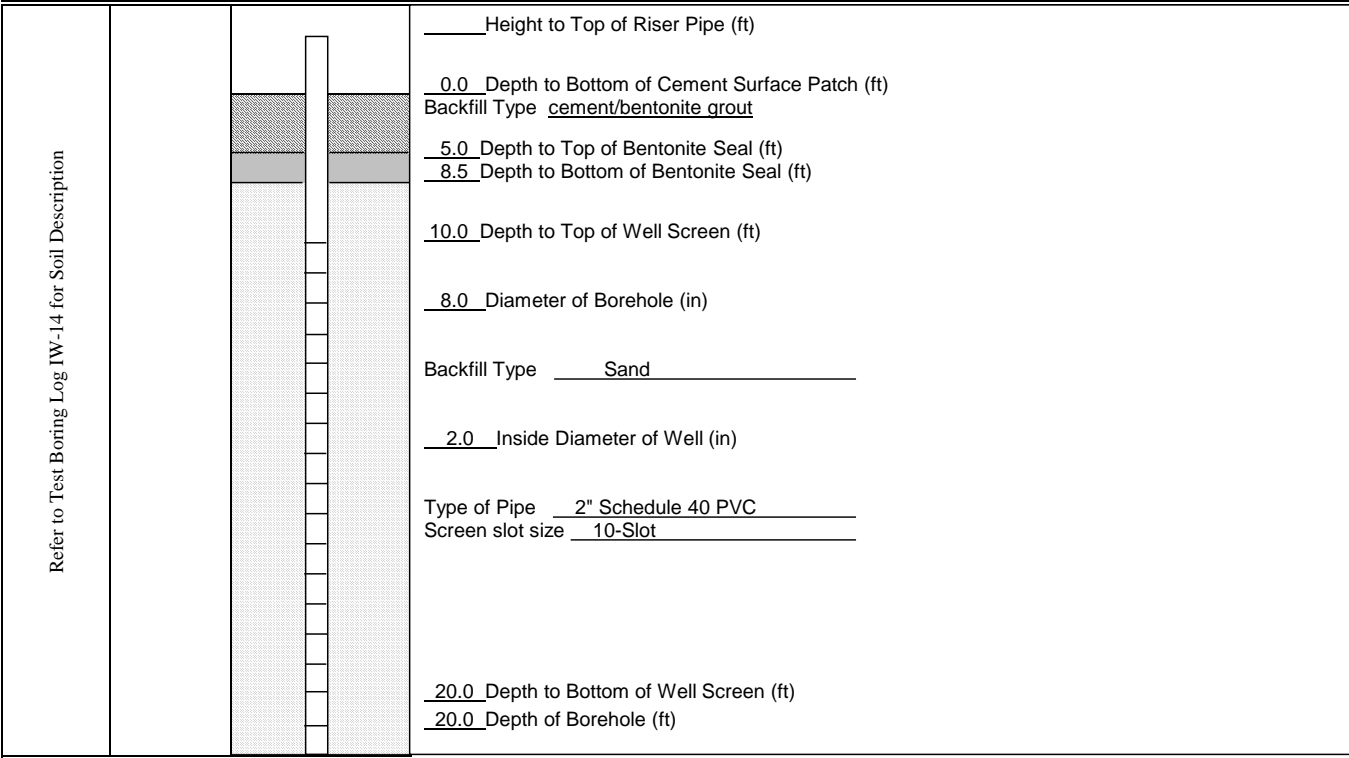
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INJECTION WELL CONSTRUCTION DIAGRAM

Project #: 5334S-17			INJECTION WELL IW-14
Project Address: Andrews Street Rochester, NY	Ground Elevation: NA	Datum: NA	
DAY Representative: D. Peck	Date Started: 2/7/2018	Date Ended: 2/7/2018	
Drilling Contractor: Earth Dimensions	Water Level (Date): Wet soil @ 10.0' (2/5/18)		



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

INJECTION WELL IW-14

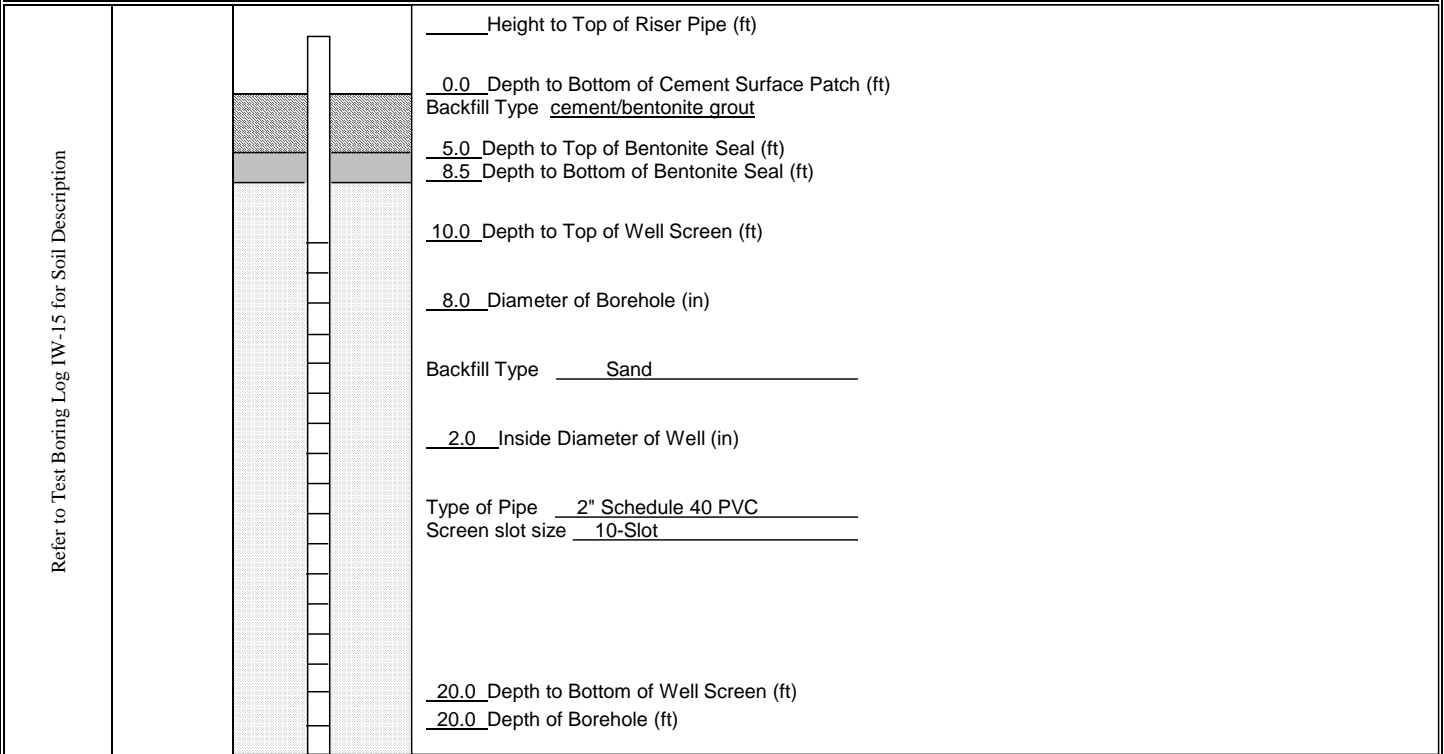
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INJECTION WELL CONSTRUCTION DIAGRAM

Project #: 5334S-17			INJECTION WELL IW-15
Project Address: Andrews Street Rochester, NY	Ground Elevation: NA	Datum: NA	
DAY Representative: D. Peck	Date Started: 2/6/2018	Date Ended: 2/6/2018	
Drilling Contractor: Earth Dimensions	Water Level (Date): NA		



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

INJECTION WELL IW-15



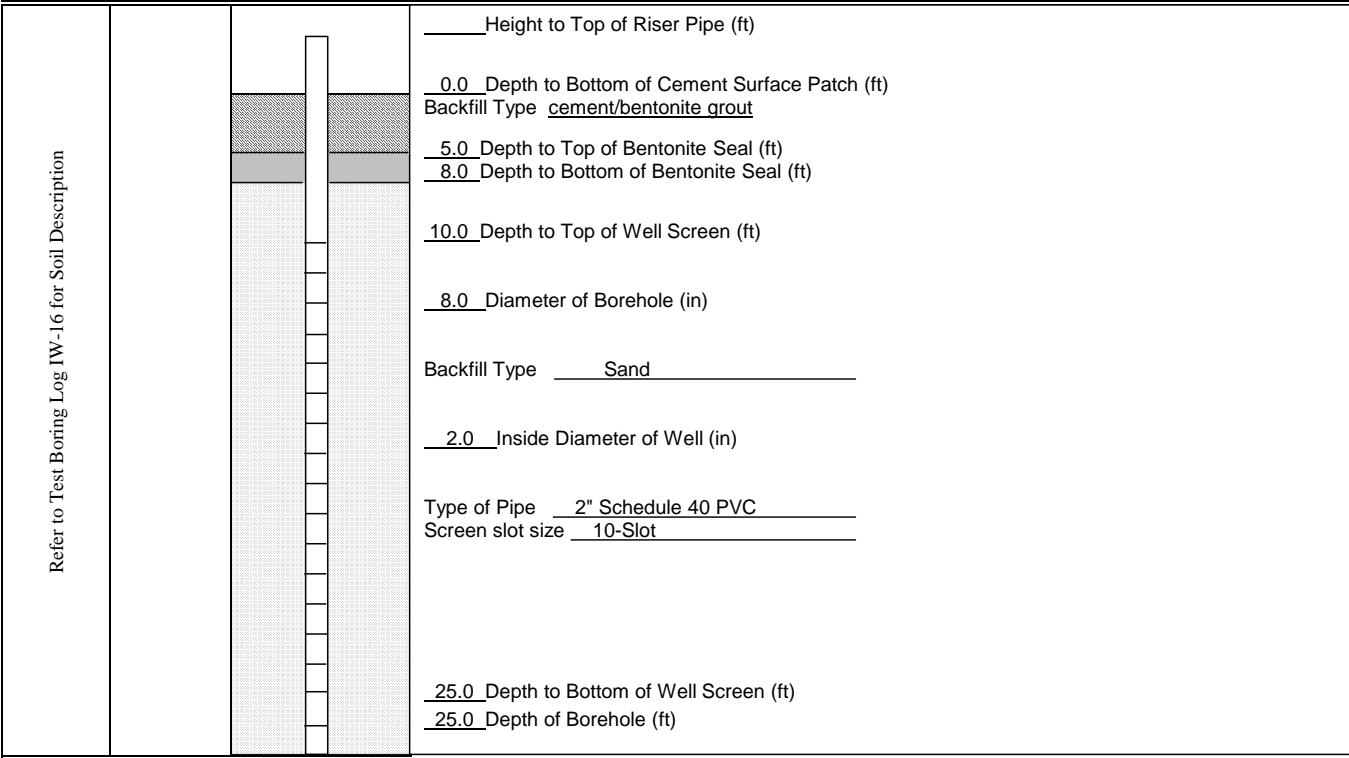
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INJECTION WELL CONSTRUCTION DIAGRAM

Project #: 5334S-17			INJECTION WELL IW-16
Project Address: Andrews Street Rochester, NY	Ground Elevation: NA	Datum: NA	
DAY Representative: D. Peck	Date Started: 2/5/2018	Date Ended: 2/6/2018	
Drilling Contractor: Earth Dimensions	Water Level (Date): NA		



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

INJECTION WELL IW-16

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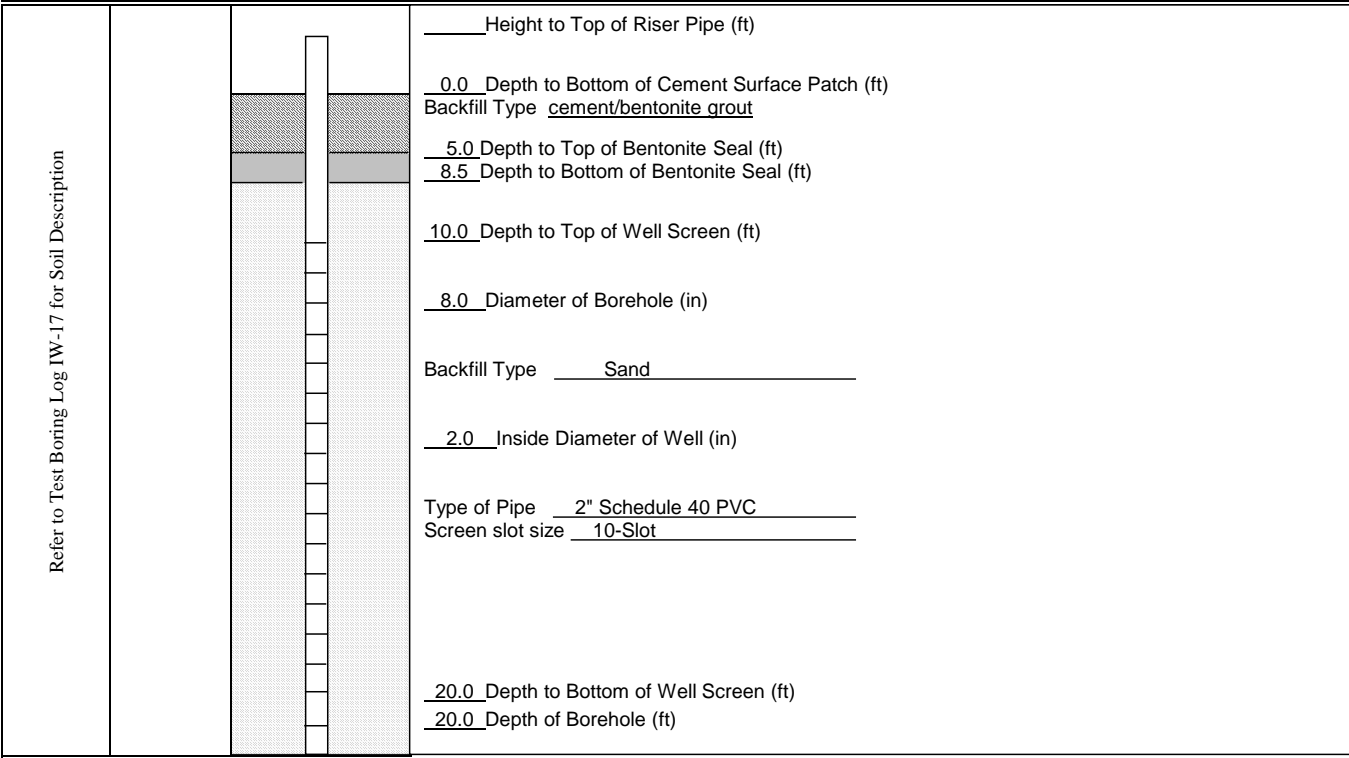
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INJECTION WELL CONSTRUCTION DIAGRAM

Project #: 5334S-17			INJECTION WELL IW-17
Project Address: Andrews Street Rochester, NY	Ground Elevation: NA	Datum: NA	
DAY Representative: D. Peck	Date Started: 2/7/2018	Date Ended: 2/7/2018	
Drilling Contractor: Earth Dimensions	Water Level (Date): Wet soil @ 10.5' (2/7/18)		



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) NA = Not Available or Not Applicable

INJECTION WELL IW-17

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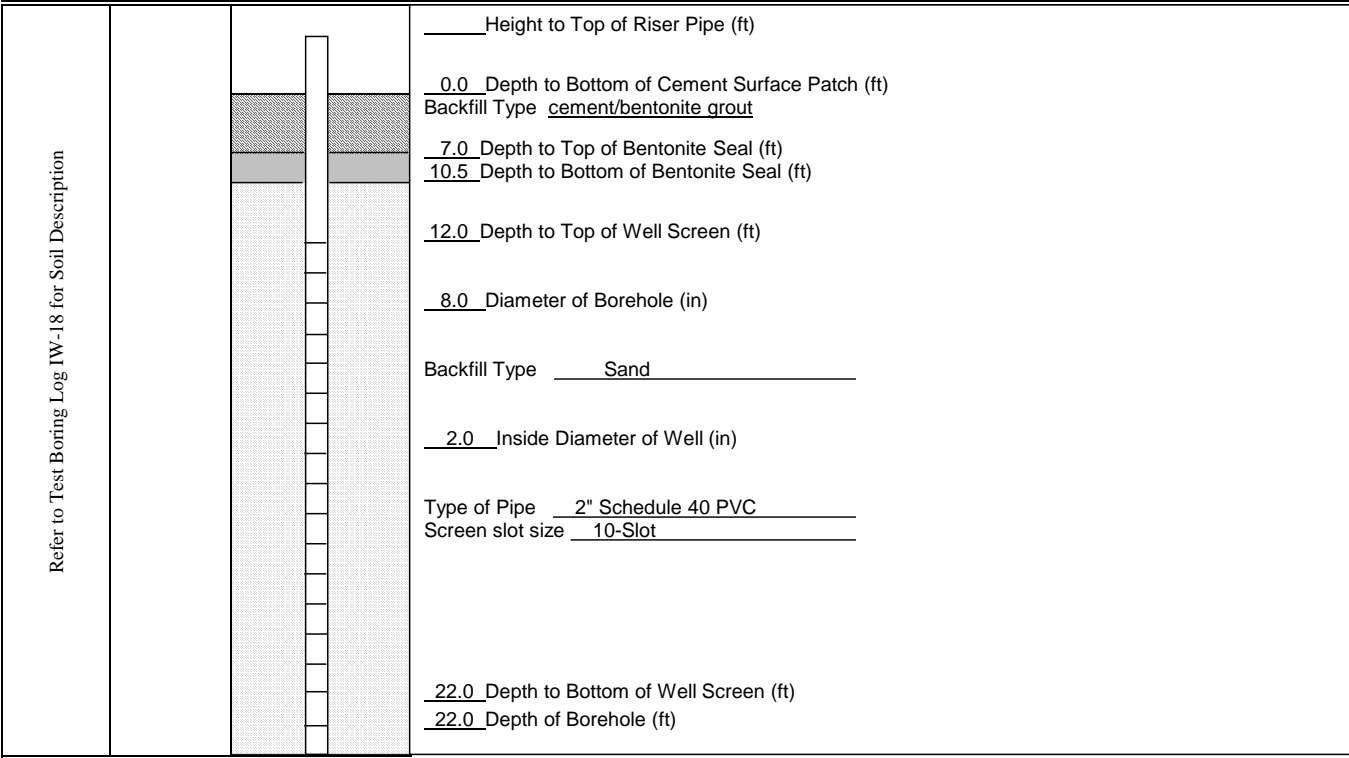
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INJECTION WELL CONSTRUCTION DIAGRAM

Project #: 5334S-17			INJECTION WELL IW-18
Project Address: Andrews Street Rochester, NY	Ground Elevation: NA	Datum: NA	
DAY Representative: D. Peck	Date Started: 2/8/2018	Date Ended: 2/8/2018	
Drilling Contractor: Earth Dimensions	Water Level (Date): NA		



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

INJECTION WELL IW-18

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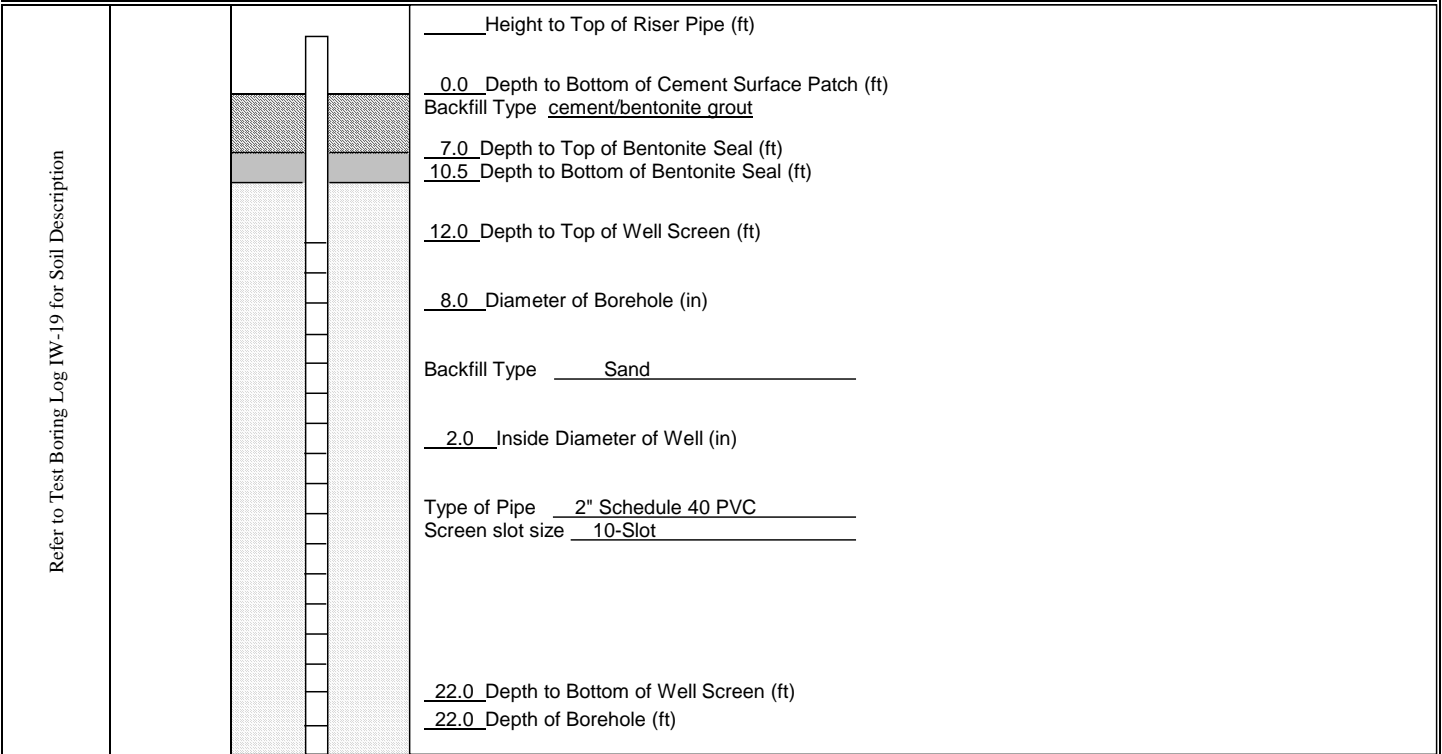
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INJECTION WELL CONSTRUCTION DIAGRAM

Project #: 5334S-17			INJECTION WELL IW-19
Project Address: Andrews Street Rochester, NY	Ground Elevation: NA	Datum: NA	
DAY Representative: D. Peck	Date Started: 2/8/2018	Date Ended: 2/8/2018	
Drilling Contractor: Earth Dimensions	Water Level (Date): Wet soil @ 10.0' (2/8/18)		



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
 2) NA = Not Available or Not Applicable

INJECTION WELL IW-19

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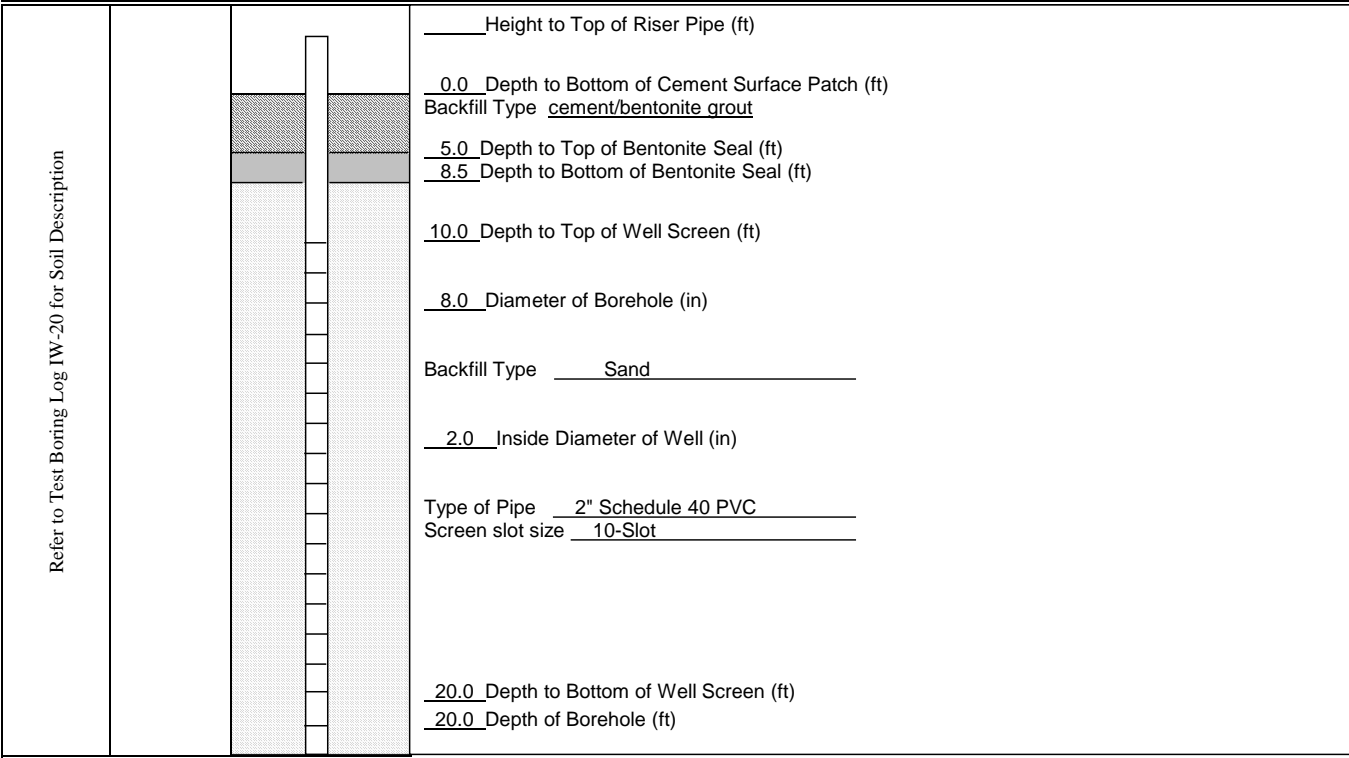
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INJECTION WELL CONSTRUCTION DIAGRAM

Project #: 5334S-17			INJECTION WELL IW-20
Project Address: Andrews Street Rochester, NY	Ground Elevation: NA	Datum: NA	
DAY Representative: D. Peck	Date Started: 2/6/2018	Date Ended: 2/6/2018	
Drilling Contractor: Earth Dimensions	Water Level (Date): Wet soil @ 8.0' (2/6/18)		



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

INJECTION WELL IW-20

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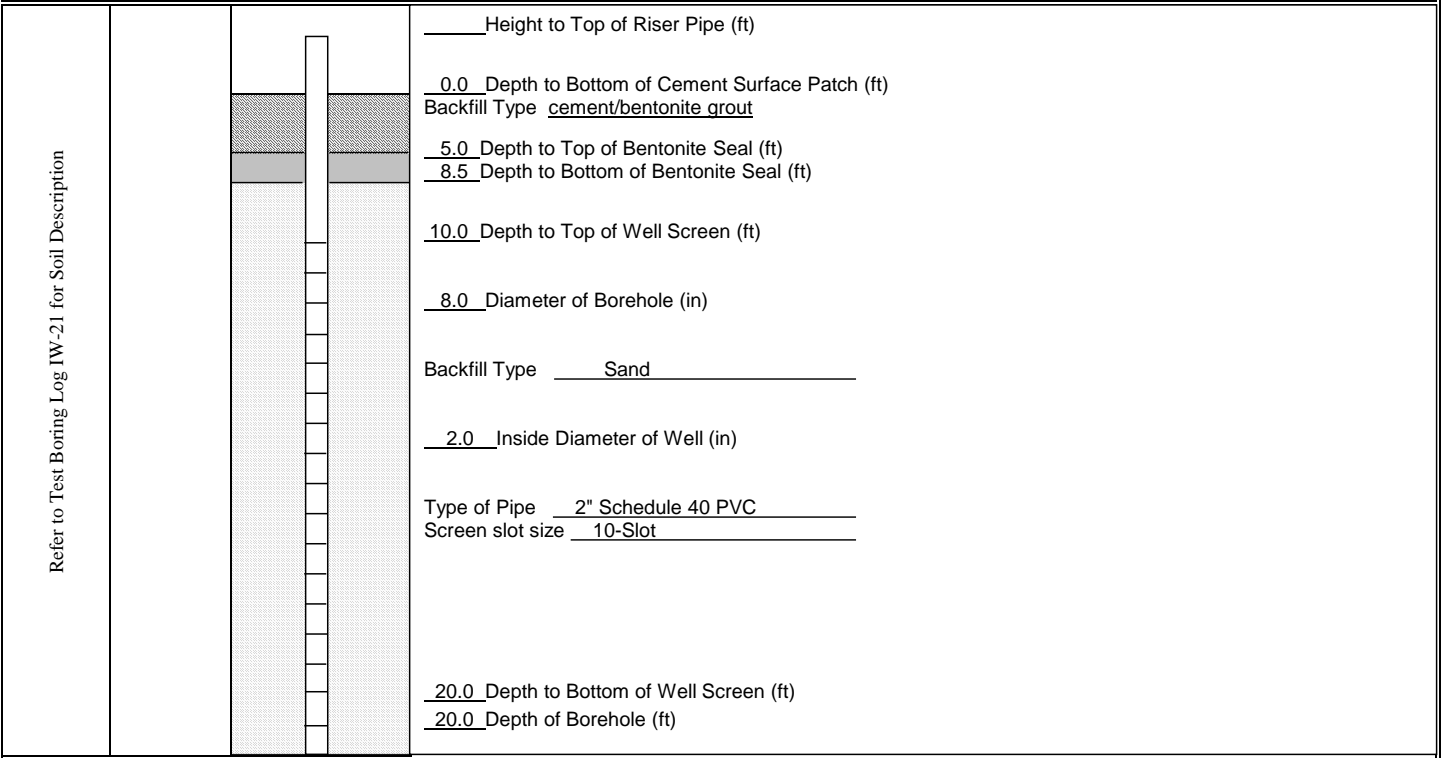
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ENVIRONMENTAL CONSULTANTS

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INJECTION WELL CONSTRUCTION DIAGRAM

Project #: 5334S-17			INJECTION WELL IW-21
Project Address: Andrews Street Rochester, NY	Ground Elevation: NA	Datum: NA	
DAY Representative: D. Peck	Date Started: 2/9/2018	Date Ended: 2/9/2018	
Drilling Contractor: Earth Dimensions	Water Level (Date): NA		



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

INJECTION WELL IW-21

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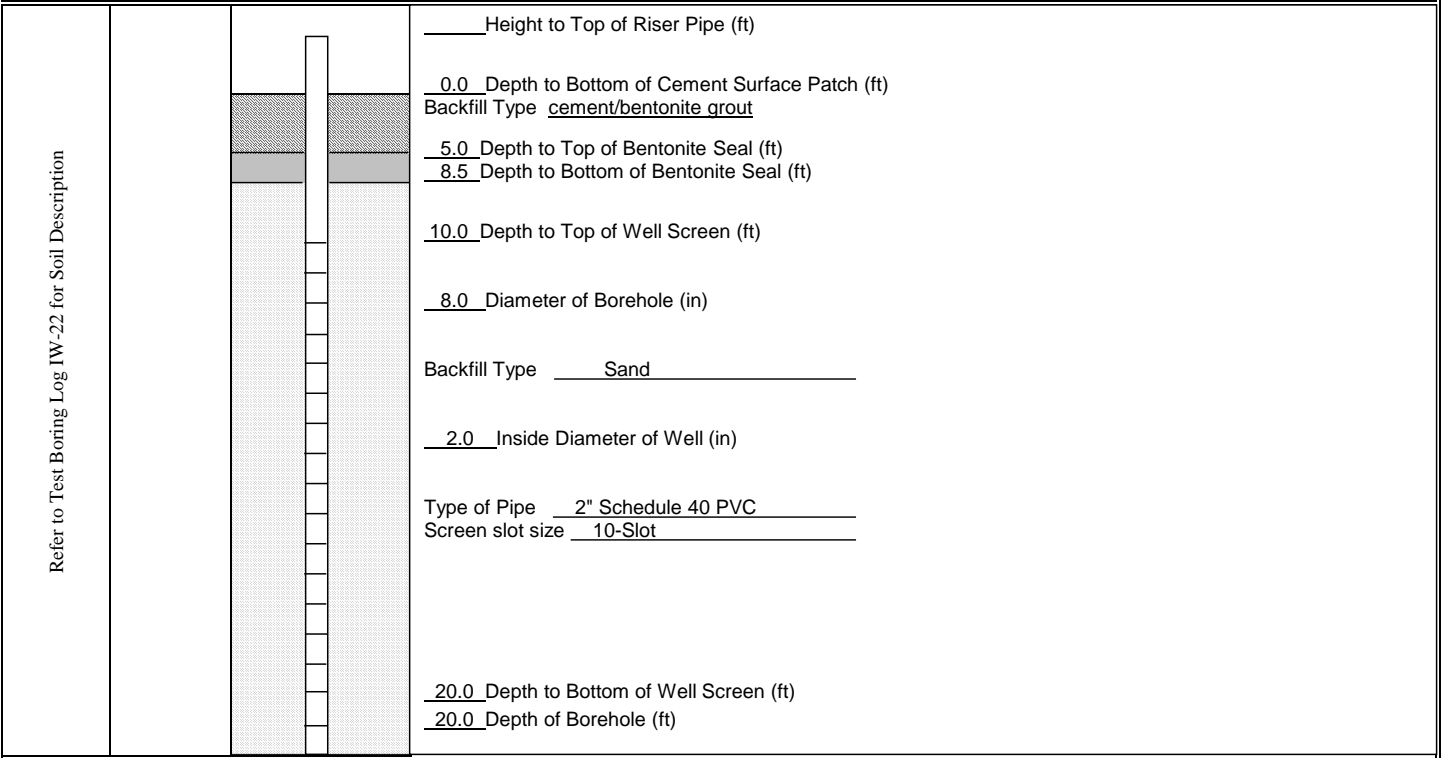
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INJECTION WELL CONSTRUCTION DIAGRAM

Project #: 5334S-17			INJECTION WELL IW-22
Project Address: Andrews Street Rochester, NY	Ground Elevation: NA	Datum: NA	
DAY Representative: D. Peck	Date Started: 2/8/2018	Date Ended: 2/9/2018	
Drilling Contractor: Earth Dimensions	Water Level (Date): Wet soil @ 10.0' (2/8/18)		



Notes: 1) Water levels were made at the times and under conditions stated. Fluctuations of groundwater levels may occur due to seasonal factors and other conditions.
2) NA = Not Available or Not Applicable

INJECTION WELL IW-22

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Attachment B

**IW-13 Through IW-22 Drill Cuttings Waste Characterization
Analytical Laboratory Results and Disposal Documentation**



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Day Environmental, Inc.

For Lab Project ID

180488

Referencing

Andrews St. Site, Rochester, NY

Prepared

Monday, February 19, 2018

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "R. J. [unclear]", is written over a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, February 19, 2018



Client: Day Environmental, Inc.
Project Reference: Andrews St. Site, Rochester, NY

Sample Identifier: 0928-IDW (Soil)
Lab Sample ID: 180488-01
Matrix: Soil

Date Sampled: 2/9/2018
Date Received: 2/12/2018

Flash Point

Analyte	Result	Units	Qualifier	Date Analyzed
Flash Point, Celsius	>70.0	C		2/16/2018
Method Reference(s):	EPA 1010A			

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.251	mg/Kg		2/14/2018 00:29
PCB-1221	< 0.251	mg/Kg		2/14/2018 00:29
PCB-1232	< 0.251	mg/Kg		2/14/2018 00:29
PCB-1242	< 0.251	mg/Kg		2/14/2018 00:29
PCB-1248	< 0.251	mg/Kg		2/14/2018 00:29
PCB-1254	< 0.251	mg/Kg		2/14/2018 00:29
PCB-1260	< 0.251	mg/Kg		2/14/2018 00:29
PCB-1262	< 0.251	mg/Kg		2/14/2018 00:29
PCB-1268	< 0.251	mg/Kg		2/14/2018 00:29

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl	60.7	22.2 - 140		2/14/2018 00:29
Tetrachloro-m-xylene	57.2	11.8 - 125		2/14/2018 00:29
Method Reference(s):	EPA 8082A EPA 3550C			
Preparation Date:	2/13/2018			

pH

Analyte	Result	Units	Qualifier	Date Analyzed
pH	8.95 @ 21.1 C	S.U.		2/15/2018 14:34
Method Reference(s):	EPA 9045D			

Reactive Cyanide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Cyanide	<100	mg/Kg		2/15/2018

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Lab Project ID: 180488

Client: Day Environmental, Inc.

Project Reference: Andrews St. Site, Rochester, NY

Sample Identifier: 0928-IDW (Soil)

Lab Sample ID: 180488-01

Date Sampled: 2/9/2018

Matrix: Soil

Date Received: 2/12/2018

Method Reference(s): EPA 7.3.3.2

Subcontractor ELAP ID: 11148

ELAP does not offer this test for approval as part of their laboratory certification program.

Reactive Sulfide

Analyte	Result	Units	Qualifier	Date Analyzed
Reactivity, Sulfide	<10	mg/Kg		2/15/2018

Method Reference(s): EPA 7.3.4.2

Subcontractor ELAP ID: 11148

ELAP does not offer this test for approval as part of their laboratory certification program.

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 7.01	ug/Kg		2/15/2018 16:01
1,1,2,2-Tetrachloroethane	< 7.01	ug/Kg		2/15/2018 16:01
1,1,2-Trichloroethane	< 7.01	ug/Kg		2/15/2018 16:01
1,1-Dichloroethane	< 7.01	ug/Kg		2/15/2018 16:01
1,1-Dichloroethene	< 7.01	ug/Kg		2/15/2018 16:01
1,2,3-Trichlorobenzene	< 17.5	ug/Kg		2/15/2018 16:01
1,2,4-Trichlorobenzene	< 17.5	ug/Kg		2/15/2018 16:01
1,2-Dibromo-3-Chloropropane	< 35.0	ug/Kg		2/15/2018 16:01
1,2-Dibromoethane	< 7.01	ug/Kg		2/15/2018 16:01
1,2-Dichlorobenzene	< 7.01	ug/Kg		2/15/2018 16:01
1,2-Dichloroethane	< 7.01	ug/Kg		2/15/2018 16:01
1,2-Dichloropropane	< 7.01	ug/Kg		2/15/2018 16:01
1,3-Dichlorobenzene	< 7.01	ug/Kg		2/15/2018 16:01
1,4-Dichlorobenzene	< 7.01	ug/Kg		2/15/2018 16:01
1,4-dioxane	< 70.1	ug/Kg		2/15/2018 16:01
2-Butanone	< 35.0	ug/Kg		2/15/2018 16:01
2-Hexanone	< 17.5	ug/Kg		2/15/2018 16:01
4-Methyl-2-pentanone	< 17.5	ug/Kg		2/15/2018 16:01
Acetone	< 35.0	ug/Kg		2/15/2018 16:01
Benzene	< 7.01	ug/Kg		2/15/2018 16:01

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Lab Project ID: 180488

Client: Day Environmental, Inc.

Project Reference: Andrews St. Site, Rochester, NY

Sample Identifier:	0928-IDW (Soil)		
Lab Sample ID:	180488-01	Date Sampled:	2/9/2018
Matrix:	Soil	Date Received:	2/12/2018
Bromochloromethane	< 17.5	ug/Kg	2/15/2018 16:01
Bromodichloromethane	< 7.01	ug/Kg	2/15/2018 16:01
Bromoform	< 17.5	ug/Kg	2/15/2018 16:01
Bromomethane	< 7.01	ug/Kg	2/15/2018 16:01
Carbon disulfide	< 7.01	ug/Kg	2/15/2018 16:01
Carbon Tetrachloride	< 7.01	ug/Kg	2/15/2018 16:01
Chlorobenzene	< 7.01	ug/Kg	2/15/2018 16:01
Chloroethane	< 7.01	ug/Kg	2/15/2018 16:01
Chloroform	< 7.01	ug/Kg	2/15/2018 16:01
Chloromethane	< 7.01	ug/Kg	2/15/2018 16:01
cis-1,2-Dichloroethene	< 7.01	ug/Kg	2/15/2018 16:01
cis-1,3-Dichloropropene	< 7.01	ug/Kg	2/15/2018 16:01
Cyclohexane	< 35.0	ug/Kg	2/15/2018 16:01
Dibromochloromethane	< 7.01	ug/Kg	2/15/2018 16:01
Dichlorodifluoromethane	< 7.01	ug/Kg	2/15/2018 16:01
Ethylbenzene	< 7.01	ug/Kg	2/15/2018 16:01
Freon 113	< 7.01	ug/Kg	2/15/2018 16:01
Isopropylbenzene	< 7.01	ug/Kg	2/15/2018 16:01
m,p-Xylene	< 7.01	ug/Kg	2/15/2018 16:01
Methyl acetate	< 7.01	ug/Kg	2/15/2018 16:01
Methyl tert-butyl Ether	< 7.01	ug/Kg	2/15/2018 16:01
Methylcyclohexane	< 7.01	ug/Kg	2/15/2018 16:01
Methylene chloride	< 17.5	ug/Kg	2/15/2018 16:01
o-Xylene	< 7.01	ug/Kg	2/15/2018 16:01
Styrene	< 17.5	ug/Kg	2/15/2018 16:01
Tetrachloroethene	413	ug/Kg	2/15/2018 16:01
Toluene	< 7.01	ug/Kg	2/15/2018 16:01
trans-1,2-Dichloroethene	< 7.01	ug/Kg	2/15/2018 16:01
trans-1,3-Dichloropropene	< 7.01	ug/Kg	2/15/2018 16:01
Trichloroethene	< 7.01	ug/Kg	2/15/2018 16:01
Trichlorofluoromethane	< 7.01	ug/Kg	2/15/2018 16:01
Vinyl chloride	< 7.01	ug/Kg	2/15/2018 16:01

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Lab Project ID: 180488

Client: Day Environmental, Inc.

Project Reference: Andrews St. Site, Rochester, NY

Sample Identifier: 0928-IDW (Soil)

Lab Sample ID: 180488-01

Date Sampled: 2/9/2018

Matrix: Soil

Date Received: 2/12/2018

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	107	86.2 - 128		2/15/2018 16:01
4-Bromofluorobenzene	94.1	69.8 - 123		2/15/2018 16:01
Pentafluorobenzene	98.5	82.2 - 114		2/15/2018 16:01
Toluene-D8	96.2	81.3 - 113		2/15/2018 16:01

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x48722.D

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Report Prepared Monday, February 19, 2018



Lab Project ID: 180488

Client: Day Environmental, Inc.
Project Reference: Andrews St. Site, Rochester, NY

Sample Identifier: 0928-IDW (Soil)
Lab Sample ID: 180488-01A **Date Sampled:** 2/9/2018
Matrix: TCLP Extract **Date Received:** 2/12/2018

TCLP Semi-Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,4-Dichlorobenzene	< 40.0	ug/L	7500		2/14/2018 20:28
2,4,5-Trichlorophenol	< 80.0	ug/L	400000		2/14/2018 20:28
2,4,6-Trichlorophenol	< 40.0	ug/L	2000		2/14/2018 20:28
2,4-Dinitrotoluene	< 40.0	ug/L	130		2/14/2018 20:28
Cresols (as m,p,o-Cresol)	< 80.0	ug/L	200000		2/14/2018 20:28
Hexachlorobenzene	< 40.0	ug/L	130		2/14/2018 20:28
Hexachlorobutadiene	< 40.0	ug/L	500		2/14/2018 20:28
Hexachloroethane	< 40.0	ug/L	3000		2/14/2018 20:28
Nitrobenzene	< 40.0	ug/L	2000		2/14/2018 20:28
Pentachlorophenol	< 80.0	ug/L	100000		2/14/2018 20:28
Pyridine	< 40.0	ug/L	5000		2/14/2018 20:28

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	73.6	44.4 - 130		2/14/2018 20:28
2-Fluorobiphenyl	62.8	33.6 - 117		2/14/2018 20:28
2-Fluorophenol	61.2	10 - 105		2/14/2018 20:28
Nitrobenzene-d5	66.1	59.7 - 103		2/14/2018 20:28
Phenol-d5	53.3	10 - 103		2/14/2018 20:28
Terphenyl-d14	71.1	64.8 - 112		2/14/2018 20:28

Method Reference(s): EPA 8270D
EPA 1311 / 3510C
Preparation Date: 2/14/2018
Data File: B25238.D

TCLP Mercury

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Mercury	< 0.00200	mg/L	0.2		2/16/2018 09:17

Method Reference(s): EPA 7470A
EPA 1311
Preparation Date: 2/15/2018
Data File: Hg180216A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: Day Environmental, Inc.

Project Reference: Andrews St. Site, Rochester, NY

Sample Identifier: 0928-IDW (Soil)

Lab Sample ID: 180488-01A

Date Sampled: 2/9/2018

Matrix: TCLP Extract

Date Received: 2/12/2018

TCLP RCRA Metals (ICP)

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
Arsenic	< 0.100	mg/L	5		2/16/2018 07:58
Barium	< 0.500	mg/L	100		2/16/2018 07:58
Cadmium	< 0.0250	mg/L	1		2/16/2018 07:58
Chromium	< 0.0500	mg/L	5		2/16/2018 07:58
Lead	< 0.100	mg/L	5		2/16/2018 07:58
Selenium	< 0.100	mg/L	1		2/16/2018 07:58
Silver	< 0.0500	mg/L	5		2/16/2018 07:58

Method Reference(s): EPA 6010C
EPA 1311 / 3005A
Preparation Date: 2/15/2018
Data File: 180215B

TCLP Volatile Organics

Analyte	Result	Units	Regulatory Limit	Qualifier	Date Analyzed
1,1-Dichloroethene	< 20.0	ug/L	700		2/15/2018 17:14
1,2-Dichloroethane	< 20.0	ug/L	500		2/15/2018 17:14
2-Butanone	< 100	ug/L	200000		2/15/2018 17:14
Benzene	< 20.0	ug/L	500		2/15/2018 17:14
Carbon Tetrachloride	< 20.0	ug/L	500		2/15/2018 17:14
Chlorobenzene	< 20.0	ug/L	100000		2/15/2018 17:14
Chloroform	< 20.0	ug/L	6000		2/15/2018 17:14
Tetrachloroethene	< 20.0	ug/L	700		2/15/2018 17:14
Trichloroethene	< 20.0	ug/L	500		2/15/2018 17:14
Vinyl chloride	< 20.0	ug/L	200		2/15/2018 17:14

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: Day Environmental, Inc.

Project Reference: Andrews St. Site, Rochester, NY

Sample Identifier: 0928-IDW (Soil)

Lab Sample ID: 180488-01A

Date Sampled: 2/9/2018

Matrix: TCLP Extract

Date Received: 2/12/2018

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	103	85.9 - 118		2/15/2018	17:14
4-Bromofluorobenzene	97.2	69.4 - 123		2/15/2018	17:14
Pentafluorobenzene	101	81.6 - 114		2/15/2018	17:14
Toluene-D8	98.0	82.7 - 112		2/15/2018	17:14

Method Reference(s): EPA 8260C
EPA 1311 / 5030C

Data File: x48725.D



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



CHAIN OF CUSTODY

1791 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 2

REPORT TO:

INVOICE TO:

CLIENT: <u>Dry Fashion Metal, Inc.</u>	CLIENT: _____	LAB PROJECT ID: <u>180488</u>
ADDRESS: <u>1563 Lyell Ave</u>	ADDRESS: _____	Quotation #: _____
CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>	CITY: _____ STATE: _____ ZIP: _____	Email: <u>jdanzinger@drymail.net</u>
PHONE: <u>585-494-0210</u>	PHONE: _____	
ATTN: <u>JCF Danzinger</u>	ATTN: _____	

PROJECT REFERENCE
Andrews St. Site
Rochester, NY

Matrix Codes:
 AQ - Aqueous Liquid
 NA - Non-Aqueous Liquid

WA - Water
 WG - Groundwater

DW - Drinking Water
 WW - Wastewater

SO - Soil
 SL - Sludge

SD - Solid
 PT - Paint

WP - Wipe
 CK - Caulk

OL - Oil
 AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	SAMPLE IDENTIFIER	MAJOR IONS	NON METALS	Fluoride	pH	Reactive Silica	Reactive Cyanide	Total Chloride B260	TCLP VOCs	TCLP SVOCs	TCLP Metals	Total PCBs B082	REMARKS	PARADIGM LAB SAMPLE NUMBER
2-9-18	1535	X	D928-IDW(Sa:1)	SO	S	X	X	X	X	X	X	X	X	X	Composite jar in lab prior to testing	01A
															Could have PC extract	
															For TCLP extract.	

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply.	
Standard 5 day <input checked="" type="checkbox"/>	None Required <input checked="" type="checkbox"/>
10 day <input type="checkbox"/>	Batch QC <input type="checkbox"/>
Rush 3 day <input type="checkbox"/>	Category A <input type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input type="checkbox"/>
Rush 1 day <input type="checkbox"/>	Other <input type="checkbox"/>
Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>

Sampled By: Dennis Peck Date/Time: 2-9-18 Total Cost:

Relinquished By: [Signature] Date/Time: 2-12-18 / 1537

Registered By: [Signature] Date/Time: 2-12-18 1537

Received @ Lab By: [Signature] Date/Time: 2/12/18 15:54 P.L.F.

Received @ Lab By: [Signature] Date/Time: 2/12/18 15:40

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.



Chain of Custody Supplement

Client: Day Environmental

Completed by: Glenn Pezzulo

Lab Project ID: 180488

Date: 2/12/18

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

<i>NELAC compliance with the sample condition requirements upon receipt</i>			
Condition	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 5035	<input type="checkbox"/>
Comments	<u>Sample collected in 5 - 4oz glass jars, transferred to 500 ml glass bottle and mixed well for composite.</u>		
Transferred to method-compliant container	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	<u>Portion of composite transferred to 4oz glass jar for composite Reactivity sub-out.</u> <small>02/12/18</small>		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Metals
Comments	<u>6°C</u>		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			



179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

Serial No:02161821:01

CHAIN OF CUSTODY

REPORT TO: Paradigm Environmental

ADDRESS: 179 Lake Avenue

CITY: Rochester STATE: NY ZIP: 14608

PHONE: FAX:

ATTN: Reporting

COMMENTS: Please email results to reporting@paradigmenv.com

INVOICE TO: Same

ADDRESS: STATE: NY ZIP: 14608

CITY: STATE: ZIP:

PHONE: FAX:

ATTN: Accounts Payable

COMMENTS:

LAB PROJECT #:

CLIENT PROJECT #:

TURNAROUND TIME: (WORKING DAYS)

STD 1 2 3 5

OTHER:

Date Due: 2/20/18

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/29/18	15:35			180488-01	S61	1	Reactivity	

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type: Y N

Comments: Preservation: Y N

Comments: Holding Time: Y N

Comments: 8.2°C Temperature per Syb Lab Y N

Comments: 8.2°C per Syb Lab Y N

Comments: 8.2°C per Syb Lab Y N

Comments: 8.2°C per Syb Lab Y N

Comments: 8.2°C per Syb Lab Y N

Comments: 8.2°C per Syb Lab Y N

Comments: 8.2°C per Syb Lab Y N

Comments: 8.2°C per Syb Lab Y N

Comments: 8.2°C per Syb Lab Y N

Comments: 8.2°C per Syb Lab Y N

Client: Sampled By: [Signature] Date/Time: 2/12/18 16:00

Relinquished By: [Signature] Date/Time: 2/12/18 17:00

Received By: [Signature] Date/Time: 2/13/18 6:00

Received By: [Signature] Date/Time: 2/13/18 6:00

Received By: [Signature] Date/Time: 2/13/18 6:00

Received By: [Signature] Date/Time: 2/13/18 6:00

Received By: [Signature] Date/Time: 2/13/18 6:00

Received By: [Signature] Date/Time: 2/13/18 6:00

Received By: [Signature] Date/Time: 2/13/18 6:00

Received By: [Signature] Date/Time: 2/13/18 6:00

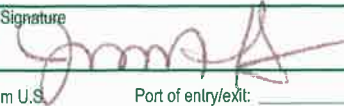

Received By: [Signature] Date/Time: 2/13/18 6:00

Received By: [Signature] Date/Time: 2/13/18 6:00

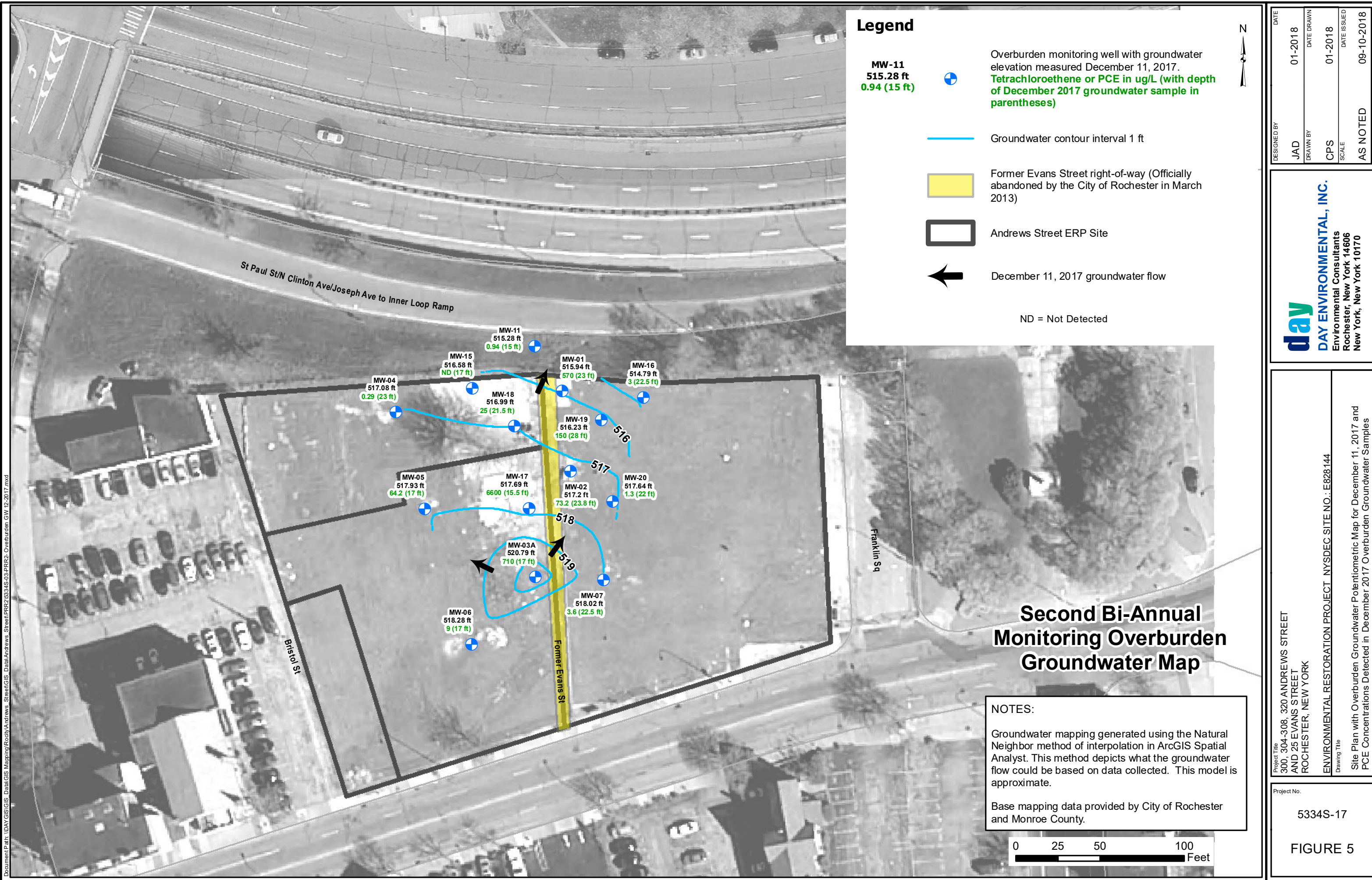
Received By: [Signature] Date/Time: 2/13/18 6:00

1 of 1
179048509
11148

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number 1	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number WMNH 00030658	
5. Generator's Name and Mailing Address CITY OF ROCHESTER - DEQ attn: Jane M H Forbes 30 CHURCH ST. ROOM 300B ROCHESTER NY 14614				Generator's Site Address (if different than mailing address) 300-320 ANDREWS ST. ROCHESTER NY 14664		
Generator's Phone: (585) 428-7892						
6. Transporter 1 Company Name				U.S. EPA ID Number		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address WM of NEW YORK at HIGH ACRES LANDFILL 425 PERINTON PARKWAY FAIRPORT NY 14450				U.S. EPA ID Number N A		
Facility's Phone: (585) 223-6132						
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity
				No.	Type	12. Unit Wt./Vol.
		1. NON DOT REGULATED MATERIAL	118797NY	001	CM	
		2.				
		3.				
	4.					
13. Special Handling Instructions and Additional Information 118797NY - NON HAZARDOUS SOIL WEIGHT IS ESTIMATED						
14. GENERATOR'S CERTIFICATION: 'I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.' I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.						
Generator's/Offeror's Printed/Typed Name Jane Forbes				Signature 		Month Day Year 3 9 18
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
TRANSPORTER	16. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name Jane Forbes (on behalf of...)			Signature 		Month Day Year
	Transporter 2 Printed/Typed Name			Signature		Month Day Year
DESIGNATED FACILITY	17. Discrepancy					
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
	Manifest Reference Number: _____ U.S. EPA ID Number					
	17b. Alternate Facility (or Generator) Facility's Phone: _____					U.S. EPA ID Number
	17c. Signature of Alternate Facility (or Generator)					Month Day Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name				Signature		Month Day Year

Attachment C
Groundwater Monitoring Documentation



Legend

- MW-11
515.28 ft
0.94 (15 ft)
 - Tetrachloroethene or PCE in ug/L (with depth of December 2017 groundwater sample in parentheses)
 - Groundwater contour interval 1 ft
 - Former Evans Street right-of-way (Officially abandoned by the City of Rochester in March 2013)
 - Andrews Street ERP Site
 - ← December 11, 2017 groundwater flow
- ND = Not Detected

DESIGNED BY	JAD	DATE	01-2018
DRAWN BY	CPS	DATE DRAWN	01-2018
SCALE	AS NOTED	DATE ISSUED	09-10-2018

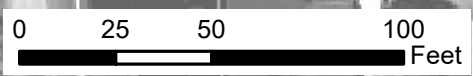
day
DAY ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

**Second Bi-Annual
 Monitoring Overburden
 Groundwater Map**

NOTES:

Groundwater mapping generated using the Natural Neighbor method of interpolation in ArcGIS Spatial Analyst. This method depicts what the groundwater flow could be based on data collected. This model is approximate.

Base mapping data provided by City of Rochester and Monroe County.



Project Title
 300, 304-308, 320 ANDREWS STREET
 AND 25 EVANS STREET
 ROCHESTER, NEW YORK

ENVIRONMENTAL RESTORATION PROJECT_NYSDEC SITE NO.: E828144
 Drawing Title

Site Plan with Overburden Groundwater Potentiometric Map for December 11, 2017 and PCE Concentrations Detected in December 2017 Overburden Groundwater Samples

Project No.
 5334S-17

FIGURE 5

Document Path: \\DAY\GIS\GIS_Data\GIS_Mapping\Rocky\Andrews_Street\PRR2\GIS\34S\03_PRR2_Overburden_GW_12-2017.mxd



Legend

- MW-11**
514.93 ft
280 (15 ft)
 - Overburden monitoring well with groundwater elevation measured July 26, 2018.
Tetrachloroethene or PCE in ug/L (with depth of August 2018 groundwater sample in parentheses)
 - Groundwater contour interval 1 ft
 - Former Evans Street right-of-way (Officially abandoned by the City of Rochester in March 2013)
 - Andrews Street ERP Site
 - ←** July 26, 2018 groundwater flow
- ND = Not Detected

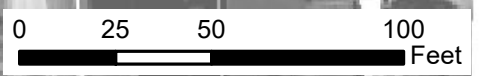


**Third Bi-Annual
Monitoring Overburden
Groundwater Map**

NOTES:

Groundwater mapping generated using the Natural Neighbor method of interpolation in ArcGIS Spatial Analyst. This method depicts what the groundwater flow could be based on data collected. This model is approximate.

Base mapping data provided by City of Rochester and Monroe County.



DESIGNED BY	JAD	DATE	08-2018
DRAWN BY	CPS	DATE DRAWN	08-2018
SCALE	AS NOTED	DATE ISSUED	09-10-2018

day
DAY ENVIRONMENTAL, INC.
Environmental Consultants
Rochester, New York 14606
New York, New York 10170

Project Title
300, 304-308, 320 ANDREWS STREET
AND 25 EVANS STREET
ROCHESTER, NEW YORK

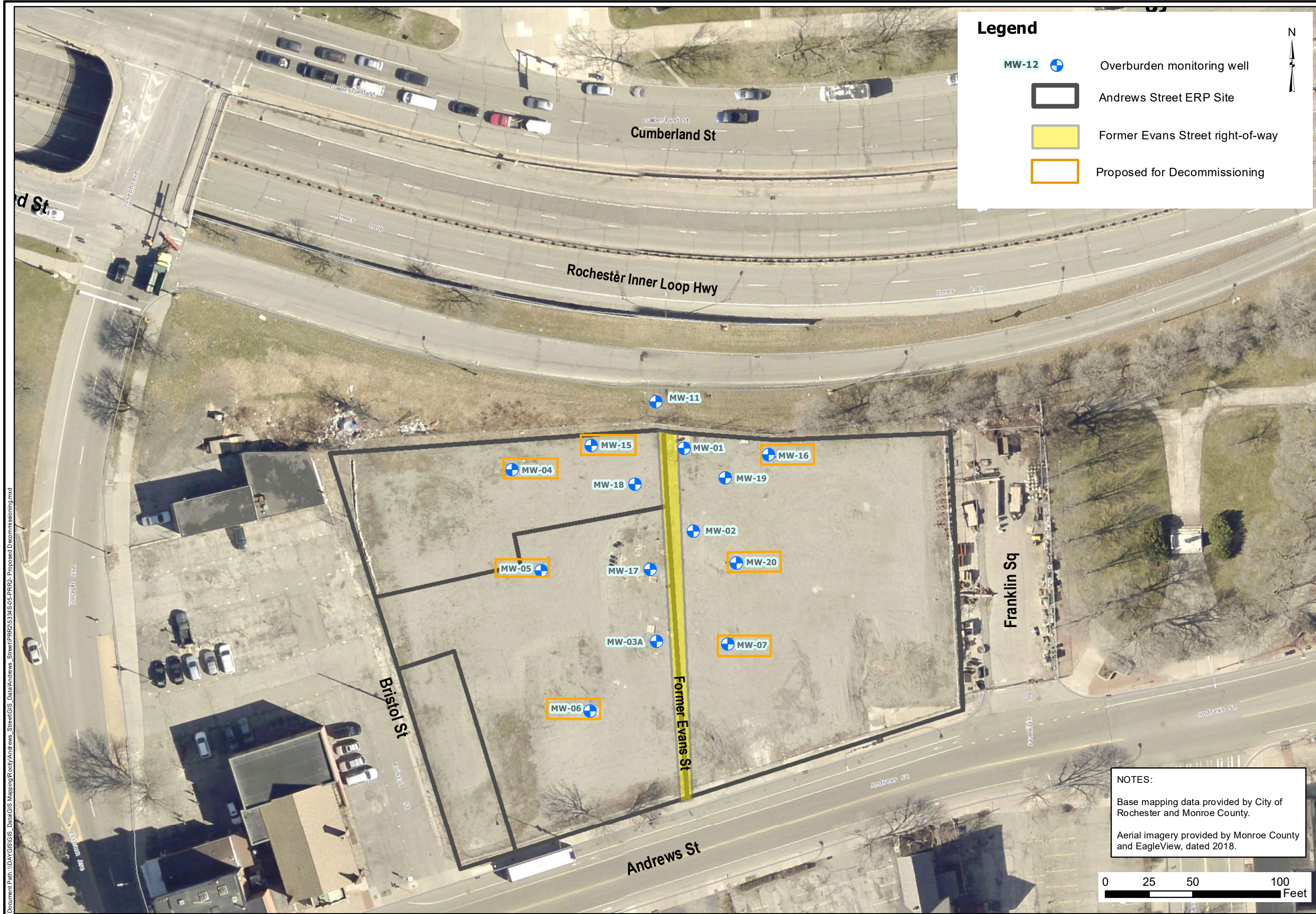
ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO.: E828144

Drawing Title
Site Plan with Overburden Groundwater Potentiometric Map for July 26, 2018 and
PCE Concentrations Detected in August 2018 Overburden Groundwater Samples

Project No.
5334S-17

FIGURE 6

Document Path: \\DAY\GIS\GIS_Data\GIS_Mapping\Rocky\Andrews_Street\PRR2\5334S-04-PRR2_Overburden_GW_07-2018.mxd

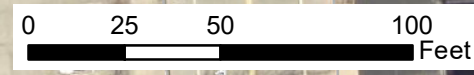


Legend

- MW-12 Overburden monitoring well
- Andrews Street ERP Site
- Former Evans Street right-of-way
- Proposed for Decommissioning



NOTES:
 Base mapping data provided by City of Rochester and Monroe County.
 Aerial imagery provided by Monroe County and EagleView, dated 2018.



DESIGNED BY	JAD	DATE	09-2018
DRAWN BY	CPS	DATE DRAWN	09-2018
SCALE	AS NOTED	DATE ISSUED	09-25-2018

day ENVIRONMENTAL, INC.
 Environmental Consultants
 Rochester, New York 14606
 New York, New York 10170

Project Title
 300, 304-308, 320 ANDREWS STREET
 AND 25 EVANS STREET
 ROCHESTER, NEW YORK

ENVIRONMENTAL RESTORATION PROJECT_NYSDEC SITE NO.: E828144

Drawing Title
 Proposed Monitoring Well Decommissioning Locations

Project No.
 5334S-17

FIGURE 7

Document Path: \\DAY\GIS\GIS_Data\GIS_Mapping\Rochy\Andrews_Street\PRR2\534S-05-PRR2-Proposed Decommissioning.mxd

Table 1

300, 304-308, 320 Andrews St and 25 Evans St
Rochester, NY

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NYSDEC Site #E828144

Sample Log

Lab Sample Number	Sample ID	Collection Date	Collection Time	Sampling Method	Depth (ft bgs)	Matrix	MS/MSD Collected	Collection Rationale	Analytical Test Parameters
912	MW-01	12/27/2017	9:55	Grab	23	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
913	MW-02	12/27/2017	10:00	Grab	23.8	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
914	MW-03A	12/27/2017	10:05	Grab	17	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
915	MW-04	12/27/2017	10:10	Grab	23	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
916	MW-05	12/27/2017	10:20	Grab	17	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
917	MW-06	12/27/2017	10:25	Grab	17	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
918	MW-07	12/27/2017	10:30	Grab	22.5	Ground-water	Yes	2nd Bi-Annual Monitoring Event	TCL VOCs
919	MW-11	12/27/2017	11:35	Grab	15	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
920	MW-15	12/27/2017	10:40	Grab	17	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
921	MW-16	12/27/2017	11:00	Grab	22.5	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
922	MW-17	12/27/2017	11:05	Grab	15.5	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
923	MW-18	12/27/2017	11:07	Grab	21.5	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
924	MW-19	12/27/2017	11:10	Grab	28	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
925	MW-20	12/27/2017	11:15	Grab	22	Ground-water	No	2nd Bi-Annual Monitoring Event	TCL VOCs
926	FB122717	12/27/2017	11:18	Grab	NA	Water	No	QA/QC - Field Blank	TCL VOCs
927	TB122717	12/27/2017	NA	Grab	NA	Water	No	QA/QC - Trip Blank	TCL VOCs
928	IDW (Soil)	2/9/2018	15:35	Comp	NA	Soil	No	Waste Characterization	Flashpoint, pH, Reactive Sulfide, Reactive Cyanide, TCL VOCs, TCLP VOCs, TCLP SVOCs, TCLP Metals, PCBs
929	MW-01	5/22/2018	10:25	Grab	18	Ground-water	No	Performance Monitoring Event	TCL VOCs
930	MW-01	5/22/2018	10:30	Grab	23	Ground-water	No	Performance Monitoring Event	TCL VOCs
931	MW-03A	5/22/2018	11:05	Grab	17	Ground-water	No	Performance Monitoring Event	TCL VOCs
932	MW-03A	5/22/2018	11:10	Grab	22	Ground-water	No	Performance Monitoring Event	TCL VOCs
933	MW-03A	5/22/2018	11:15	Grab	28	Ground-water	No	Performance Monitoring Event	TCL VOCs
934	MW-17	5/22/2018	10:40	Grab	14	Ground-water	No	Performance Monitoring Event	TCL VOCs
935	MW-17	5/22/2018	10:45	Grab	17	Ground-water	No	Performance Monitoring Event	TCL VOCs
936	MW-17	5/22/2018	10:50	Grab	20.5	Ground-water	Yes	Performance Monitoring Event	TCL VOCs
937	MW-17	5/22/2018	11:00	Grab	24	Ground-water	No	Performance Monitoring Event	TCL VOCs
938	FB052218	5/22/2018	11:15	Grab	NA	Water	No	QA/QC - Field Blank	TCL VOCs
939	TB052218	5/22/2018	NA	Grab	NA	Water	No	QA/QC - Trip Blank	TCL VOCs
540	IW-6	6/13/2018	13:40	Grab	NA	Ground-water	No	Performance Monitoring Event	TCL VOCs
541	IW-13	6/13/2018	13:50	Grab	NA	Ground-water	No	Performance Monitoring Event	TCL VOCs
542	IW-14	6/13/2018	13:55	Grab	NA	Ground-water	No	Performance Monitoring Event	TCL VOCs
543	IW-15	6/13/2018	13:59	Grab	NA	Ground-water	No	Performance Monitoring Event	TCL VOCs
544	IW-16	6/13/2018	14:04	Grab	NA	Ground-water	No	Performance Monitoring Event	TCL VOCs
545	IW-21	6/13/2018	14:09	Grab	NA	Ground-water	No	Performance Monitoring Event	TCL VOCs
546	IW-22	6/13/2018	14:15	Grab	NA	Ground-water	No	Performance Monitoring Event	TCL VOCs
547	TB061318	6/13/2018	NA	Grab	NA	Water	No	QA/QC - Trip Blank	TCL VOCs

Table 1

300, 304-308, 320 Andrews St and 25 Evans St
Rochester, NY

Page 2 of 2

NYSDEC Site #E828144

Sample Log

Lab Sample Number	Sample ID	Collection Date	Collection Time	Sampling Method	Depth (ft bgs)	Matrix	MS/MSD Collected	Collection Rationale	Analytical Test Parameters
940	MW-01	8/13/2018	9:32	Grab	23	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
941	MW-02	8/13/2018	9:35	Grab	23.8	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
942	MW-03A	8/13/2018	9:39	Grab	17	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
943	MW-04	8/13/2018	9:42	Grab	23	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
944	MW-05	8/13/2018	9:49	Grab	17	Ground-water	Yes	3rd Bi-Annual Monitoring Event	TCL VOCs
945	MW-06	8/13/2018	9:58	Grab	17	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
946	MW-07	8/13/2018	10:02	Grab	22.5	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
947	MW-11	8/13/2018	10:10	Grab	15	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
948	MW-15	8/13/2018	10:19	Grab	17	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
949	MW-16	8/13/2018	10:23	Grab	22.5	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
950	MW-17	8/13/2018	10:26	Grab	15.5	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
951	MW-18	8/13/2018	10:29	Grab	21.5	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
952	MW-19	8/13/2018	10:32	Grab	28	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
953	MW-20	8/13/2018	10:36	Grab	22	Ground-water	No	3rd Bi-Annual Monitoring Event	TCL VOCs
954	FB081318	8/13/2018	9:28	Grab	NA	Water	No	QA/QC - Field Blank	TCL VOCs
955	TB081318	8/13/2018	NA	Grab	NA	Water	No	QA/QC - Trip Blank	Not Tested*
956	IW-13	8/13/2018	10:40	Grab	19	Ground-water	No	Performance Monitoring Event	TCL VOCs
957	IW-14	8/13/2018	10:44	Grab	17	Ground-water	No	Performance Monitoring Event	TCL VOCs
958	IW-15	8/13/2018	10:46	Grab	19	Ground-water	No	Performance Monitoring Event	TCL VOCs
959	IW-16	8/13/2018	10:49	Grab	19	Ground-water	No	Performance Monitoring Event	TCL VOCs
960	IW-21	8/13/2018	10:54	Grab	17	Ground-water	No	Performance Monitoring Event	TCL VOCs
961	IW-22	8/13/2018	10:59	Grab	17	Ground-water	No	Performance Monitoring Event	TCL VOCs

Notes

(1) Approximate depth of sample as referenced to the sidewalk adjacent to Andrews Street with assumed datum of 0.00 feet prior to installation of cover system.

Depth for water samples was the depth in which the passive diffusion bag was set.

NA = Not Applicable

bgs = below ground surface

Ft = Feet

MS/MSD = Matrix Spike/Matrix Spike Duplicate

TCL VOCs - Target Compound List Volatile Organic Compounds, including Tentatively Identified Compounds (TICs) via Method 8260

December 2017, May 2018, and August 2018 groundwater samples collected using passive diffusion samplers (PDBs). June 2018 groundwater samples collected using purge and sample bailer method.

* = Trip blank inadvertently not included in shipment to laboratory; thus, was not tested.

Table 2

**300, 304-308, 320 Andrews Street and 25 Evans Street
Rochester, NY**

NYSDEC Site #E828144

Static Water Levels and Calculated Groundwater Elevations

Monitoring Well ID	Ground Elevation (ft) ⁽¹⁾	TOC Elevation (ft)	12/11/2017		7/26/2018	
			SWL (ft TOC)	Groundwater Elevation	SWL (ft TOC)	Groundwater Elevation
MW-01	527.79	527.44	11.50	515.94	10.64	516.80
MW-02	528.03	527.84	12.17	517.20	11.05	518.32
MW-03A	528.41	530.89	10.10	520.79	9.28	521.61
MW-04	527.52	530.19	13.11	517.08	13.94	516.25
MW-05	527.83	530.75	12.82	517.93	12.78	517.97
MW-06	527.86	530.49	12.21	518.28	11.19	519.30
MW-07	528.38	530.95	12.93	518.02	12.11	518.84
MW-11	520.70	520.48	5.20	515.28	5.55	514.93
MW-15	527.62	530.29	13.71	516.58	14.07	516.22
MW-16	528.31	530.81	16.02	514.79	16.28	514.53
MW-17	527.72	530.16	12.47	517.69	10.99	519.17
MW-18	527.24	529.81	12.82	516.99	11.88	517.93
MW-19	527.82	530.31	14.08	516.23	13.46	516.85
MW-20	528.01	530.51	12.87	517.64	12.19	518.32

Notes

2nd Bi-Annual Monitoring Event***

3rd Bi-Annual Monitoring Event***

Monitoring Wells listed are overburden groundwater monitoring wells.

Ft TOC = Feet below top of casing

Well MW-03A was damaged during Supplemental MIP work and was repaired and re-set with a flush-mount curb box in July 2013.

MW-03A TOC re-surveyed August 8 or 9, 2013, and is 2.46 lower than original. MW-03A groundwater elevations collected after August 9, 2013 are adjusted accordingly.

⁽¹⁾ Represents ground elevation prior to installation of #2 Crusher Run (CR2) cover system material as a Supplemental Interim Remedial Measure.

***Monitoring event had a 1.53' riser (repaired) added to the top of casing of MW-02.

Table 3

300, 304-308 Andrews St and 25 Evans St
Rochester, NY

NYSDEC Site #E828144

Summary of Detected VOCs in mg/L or ppb

Overburden Groundwater Samples Analyzed During PRR #2 Reporting Period

Contaminant	X Groundwater Standard or Guidance Value	912 MW-01 12/27/17 PDB 23.0 ft	929 MW-01 5/22/18 PDB 18.0 ft	930 MW-01 5/22/18 PDB 23.0 ft	940 MW-01 8/13/18 PDB 23.0 ft	913 MW-02 12/27/17 PDB 23.8 ft	941 MW-02 8/13/18 PDB 23.8 ft	914 MW-03A 12/27/17 PDB 17.0 ft	931 MW-03A 5/22/18 PDB 17.0 ft	932 MW-03A 5/22/18 PDB 22.0 ft	933 MW-03A 5/22/18 PDB 28.0 ft	942 MW-03A 8/13/18 PDB 28.0 ft	915 MW-04 12/27/17 PDB 23.0 ft	943 MW-04 8/13/18 PDB 23.0 ft	916 MW-05 12/27/17 PDB 17.0 ft	944 MW-05 8/13/18 PDB 17.0 ft	917 MW-06 12/27/17 PDB 17.0 ft	945 MW-06 8/13/18 PDB 17.0 ft	918 MW-07 12/27/17 PDB 22.5 ft	946 MW-07 8/13/18 PDB 22.5 ft
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U	U	4 J	5.3	U	7.1	U	U	1.7 J	5.7	3.8 J	U	U	U	2.6 J	U	U	U	U
Methyl Acetate	NA	U	U	U	U	U	U	U	U	U	4.3	U	U	U	U	U	U	U	U	U
Benzene	1	U J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	5	120 X	160 X	180 D X	140 X	34.4 X	30.9 X	140 X	110 X	100 X	100 X	70.7 X	U	U	U	U	U	U	U	U
Methyl tert-butyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	2	U	2.3	U	1.8	1.2	U	U	2.3	2.2	U	U	U	U	U	U	U	U	U
Tetrachloroethene	5	570 D X	90 X	890 D X	4400 D X	73.2 JH X	79.4 X	710 X	620 X	450 D X	360 D X	610 D X	0.29 J	0.49 J	64.2 X	42.2 X	9 X	7 X	3.6	7.9 X
Toluene	5	U J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5	U J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Xylenes (Total)	5	U J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	5	120 J X	140 X	150	160 D X	42.9 J X	36.8 X	100 X	81 X	73 X	68.7 X	76.4 X	U	U	0.94 J	0.72 J	0.3 J	0.37 J	U	U
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U	U	0.37 J	0.52 J	U	U	3.5 J X	U	2.9 X	2.8 X	0.5 J	U	U	U	U	U	U	U	U
Carbon Disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylcyclohexane	NA	U J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromochloromethane	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		812	390	1226.67	4705.82	152.3	155.4	953.5	811	629.9	543.7	761.4	0.29	0.49	65.14	45.52	9.3	7.37	3.6	7.9
Total TICs ⁽¹⁾		U	51.1	U	U	69.7	7.9	U	U	U	7.7	U	U	U	U	U	U	U	U	U
Total VOCs and TICs ⁽¹⁾		812	441.1	1226.67	4705.82	222.0	163.3	953.5	811	629.9	551.4	761.4	0.29	0.49	65.14	45.52	9.3	7.37	3.6	7.9

U = Not Detected

NA = Not Available

LF - Low Flow

J = Estimated value

µg/L = micrograms per Liter or parts per billion (ppb).

PDB - Passive Diffusion Bag

TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.

VOC = Volatile Organic Compound

UJ = Not Detected at an estimated detection limit as qualified by the data validator.

X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 3

300, 304-308 Andrews St and 25 Evans St
Rochester, NY

NYSDEC Site #E828144

Summary of Detected VOCs in mg/L or ppb

Overburden Groundwater Samples Analyzed During PRR #2 Reporting Period

Contaminant	X Groundwater Standard or Guidance Value	919 MW-11 12/27/17 PDB 15.0 ft	947 MW-11 8/13/18 PDB 15.0 ft	920 MW-15 12/27/17 PDB 17.0 ft	948 MW-15 8/13/18 PDB 17.0 ft	921 MW-16 12/27/17 PDB 22.5 ft	949 MW-16 8/13/18 PDB 22.5 ft	922 MW-17 12/27/17 PDB 15.5 ft	934 MW-17 5/22/18 PDB 14.0 ft	935 MW-17 5/22/18 PDB 17.0 ft	936 MW-17 5/22/18 PDB 20.5 ft	937 MW-17 5/22/18 PDB 24.0 ft	950 MW-17 8/13/18 PDB 15.5 ft	923 MW-18 12/27/17 PDB 21.5 ft	951 MW-18 8/13/18 PDB 21.5 ft	924 MW-19 12/27/17 PDB 28.0 ft	952 MW-19 8/13/18 PDB 28.0 ft	925 MW-20 12/27/17 PDB 22.0 ft	953 MW-20 8/13/18 PDB 22.0 ft
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U	4.7 J	U	U	U	7.7	U	5.8	7.3	7.5	U	4.9	U	7.5	U	3.8 J	U	6.8
Methyl Acetate	NA	U	U	U	U	U J	U	U	3.2	2.5	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U
Chloroform	7	U	U	U	U	U	0.39 J	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	5	U	6.4 X	U	U	8.3 J X	U	57 J X	33.3 X	35.7 X	32.9 X	36.1 X	37.4 X	4.5	2.9	32 X	27.8 X	0.9 J	1.2
Methyl tert-butyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U	0.62 J	U	0.96 J	0.88 J	1.4	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	1.2	1.3	U	U	U	U	U	0.77 J	U	U	U
Tetrachloroethene	5	0.94 J	280 D X	U	5.6 X	3 J	7 X	6600 X	3200 D X	4000 D X	4500 D X	4400 D X	3500 D X	25 X	50.6 X	150 D J X	170 D X	1.3 J	4.1
Toluene	5	U	U	U	U	U J	U	U	U	U	U	U	U	U	U	U	U	U J	U
Ethylbenzene	5	U	U	U	U	U J	U	U	U	U	U	U	U	U	U	U	U	U J	U
Xylenes (Total)	5	U	U	U	U	U J	U	U	U	U	U	U	U	U	U	U	U	U J	U
Trichloroethene	5	U	12.7 X	U	0.29 J	0.91 J	1.1	79 J X	42.7 X	45.3	46.2 X	49.8 X	72.1 X	3.7	2.9	35.6 X	33.3 X	2.7 J	3.1
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U	0.42 J	U	U	U	U	U	U	U	0.33 J	U	U	U	U	U	1.6	U	U
Carbon Disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U	U J	U	U	U	U	U	U	U	U	U	U J	U	U J	U
Methylcyclohexane	NA	U	U	U	U	U J	U	U	U	U	U	U	U	U	U	U	U	U J	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromochloromethane	50	U	U	U	U	U	0.28 J	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		0.94	304.22	0	5.89	12.21	17.09	6736	3287.16	4092.98	4588.33	4485.9	3614.4	33.2	63.9	218.37	236.5	4.85	15.2
Total TICs (1)		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs and TICs (1)		0.94	304.22	0	5.89	12.21	17.09	6736	3287.16	4092.98	4588.33	4485.9	3614.4	33.2	63.9	218.37	236.5	4.85	15.2

U = Not Detected
 NA = Not Available
 LF - Low Flow
 J = Estimated value
 µg/L = micrograms per Liter or parts per billion (ppb).
 PDB - Passive Diffusion Bag
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134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 4

**300, 304-308 Andrews St and 25 Evans St
Rochester, NY**

NYSDEC Site #E828144

Summary of Detected VOCs in mg/L or ppb

QA/QC Samples Analyzed During PRR #2 Reporting Period

Contaminant	926 FB122717 12/27/17	927 TB122717 12/27/17	938 FB052218 5/22/18	939 TB052218 5/22/18	547 TB061318 6/13/18	954 FB081318 8/13/18	955 TB081318 8/13/18
Acetone	7.7	U	6.2	U	U	14.5	NT
Carbon Disulfide	U	U	U	U	U	U	NT
Chloroform	U	U	U	U	U	U	NT
Bromodichloromethane	U	U	U		U	U	NT
Dibromochloromethane	U	U	U	U	U	U	NT
2-Butanone	U	U	U	U	U	U	NT
Tetrachloroethene	U	U	U	U	U	U	NT
Methylene Chloride	U	U	5.3	U	U	U	NT
4-Methyl-2-Pentanone	U	U	U	U	U	U	NT
Cyclohexane	U	U	U	U	U	U	NT
Total VOCs	7.7	0	11.5	0	0	14.5	NT
Total TICs ⁽¹⁾	U	U	U	U	120.6	42.7	NT
Total VOCs and TICs ⁽¹⁾	7.7	0	11.5	0	120.6	57.2	NT

Notes

QA/QC = Quality Assurance/Quality Control

µg/L = micrograms per Liter or parts per billion (ppb).

U = Not Detected

J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the

NT = Trip blank inadvertently not included in shipment to laboratory; thus, was not tested.

VOC = Volatile Organic Compound

TIC = Tentatively Identified Compound

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

Results of DUSR incorporated on analytical laboratory data

51 FB092611 9/26/11

Table 5

300, 304-308 Andrews St and 25 Evans St
Rochester, NY

NYSDEC Site #E828144

Summary of Detected VOCs in mg/L or ppb

Performance Groundwater Samples from Select Overburden Injection Wells

Contaminant	X Groundwater Standard or Guidance Value	540 IW-6 6/13/18 Bailer Fuchsia/Cloudy	541 IW-13 6/13/18 Bailer Dark Fuchsia	956 IW-13 8/13/18 PDB 19 ft	542 IW-14 6/13/18 Bailer Clear	957 IW-14 8/13/18 PDB 17 ft	543 IW-15 6/13/18 Bailer Clear	958 IW-15 8/13/18 PDB 19 ft	544 IW-16 6/13/18 Bailer Fuchsia/Clear	959 IW-16 8/13/18 PDB 19 ft	545 IW-21 6/13/18 Bailer Fuchsia/Clear	960 IW-21 8/13/18 PDB 17 ft	546 IW-22 6/13/18 Bailer Light Fuchsia/Clear	961 IW-22 8/13/18 PDB 17 ft
2-Butanone	50	6	16.3	U	U	U	U	U	2.8 J	U	U	U	U	U
Acetone	50	26.5	410 X	6.4	U	5.5	U	4.8 J	66.6 X	7.3	25.6	6.1	5.4	6.1
Benzene	1	U	0.55	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	3.1	U	U	U	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	5	U	U	130 X	31.2 X	90.7 X	27.9 X	33.8 X	U	44.9 X	U	43.9 X	U	13.4 X
trans-1,2-Dichloroethene	5	U	U	1.8	U	U	1.4	U	U	U	U	U	U	U
Tetrachloroethene	5	U	U	900 D X	21.7 X	31.5 X	110 X	89.6 X	U	410 D X	140 X	140 X	38.7 X	35.6 X
Bromoform	50	U	2.3	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	5	U	U	180 D X	13.5 X	24.2 X	22.9 X	28.6 X	U	93.6 X	U	19.1 X	U	19.9 X
Vinyl Chloride	2	U	U	0.58 J	2.3 X	1.8	U	U	U	U	U	0.98 J	U	U
Total VOCs		32.5	432.25	1218.78	68.7	153.7	162.2	156.8	69.4	555.8	165.6	210.08	44.1	75
Total TICs ⁽¹⁾		U	5.7	U	67.1	U	32.2	U	U	U	U	U	19	U
Total VOCs and TICs ⁽¹⁾		32.5	437.95	1218.78	135.8	153.7	194.4	156.8	69.4	555.8	165.6	210.08	63.1	75

U = Not Detected

µg/L = micrograms per Liter or parts per billion (ppb).

J = Estimated value

Results not validated

PDB - Passive Diffusion Bag

TIC = Tentatively Identified Compound

VOC = Volatile Organic Compound

X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	134 MW-01 1/9/12 LF 20.5 ft	164 MW-01 6/27/12 PDB 15.0 ft	165 MW-01 6/27/12 PDB 23.0 ft	597 MW-01 9/5/13 PDB 17.0 ft	598 MW-01 9/5/13 PDB 23.0 ft	599 MW-01 9/5/13 PDB 24.5 ft	667 MW-01 10/20/14 Bailer 14-17 ft	668 MW-01 11/12/14 PDB 17.0 ft	669 MW-01 11/12/14 PDB 23.0 ft	670 MW-01 11/12/14 PDB 24.5 ft	698 MW-01 3/16/15 PDB 17.0 ft	699 MW-01 3/16/15 PDB 23.0 ft	700 MW-01 3/16/15 PDB 24.5 ft	726 MW-01 6/9/15 PDB 17.0 ft	727 MW-01 6/9/15 PDB 23 ft	728 MW-01 6/9/15 PDB 24.5 ft									
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
1,1-Dichloroethene	5	0.79 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
2-Butanone	50	U	5.8	5.2	U	U	U	U	U	U	U	U	U	U	U	U	U									
Acetone	50	U	65 X	62 X	R	R	R	U	U	U	U	U	U	U	U	U	U									
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.3 J									
Chloroform	7	4.6	3	3.7	U	U	U	U	U	0.28 J	0.26 J	U	U	U	U	U	U									
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
Bromomethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
Cis-1,2-Dichloroethene	5	120 X	93 X	130 X	19.3 X	220 E	69 JD	X	3.5	34.9 X	37 X	1.7	3.7	4	U	2.2	3.3									
Methyl tert-butyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
trans-1,2-Dichloroethene	5	1.7	0.93 J	1.6	U	1.7	1.7	U	U	U	U	U	U	U	U	U	U									
Tetrachloroethene	5	48000 D	X	4800 D	X	35000 D	X	1400 D	X	15500 D	X	9300 D	X	4050 X	280 D	X	2100 D	X	1800 D	X	92.5 X	100 X	94.3 X	81.3 X	92.6 X	130 X
Toluene	5	U	0.65 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
Xylenes (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
Trichloroethene	5	230 J	X	90 X	250 J	X	21.8 X	190 JD	X	200 D	X	136 X	13.4 X	110 X	110 X	4.7	10.6 X	11.1 X	4.6	8.9 X	10.2 X					
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
Vinyl Chloride	2	0.59 J	0.47 J	0.59 J	U	0.79 J	0.82 J	U	U	U	U	U	U	U	U	U	U									
Carbon Disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
Cyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U									
Total VOCs		48357.68	5058.85	35453.09	1441.1	15912.49	9571.52	4186	296.9	2245.18	1947.26	98.9	114.3	109.4	85.9	103.7	143.8									
Total TICs (1)		U	U	U	U	U	U	U	0.58	U	6	U	U	3.3	2.9	2.8	2.7									
Total VOCs and TICs (1)		48357.68	5058.85	35453.09	1441.1	15912.49	9571.52	4186	297.48	2245.18	1953.26	98.9	114.3	112.7	88.8	106.5	146.5									

U = Not Detected
 NA = Not Available
 LF - Low Flow
 J = Estimated value
 PDB - Passive Diffusion Bag
 TIC = Tentatively Identified Compound
 VOC = Volatile Organic Compound
 UJ = Not Detected at an estimated detection limit as qualified by the data validator.
 X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.
 D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
 (1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	754 MW-01 9/3/15 PDB 17.0 ft	755 MW-01 9/3/15 PDB 23.0 ft	756 MW-01 9/3/15 PDB 24.5 ft	782 MW-01 12/7/15 PDB 17.0 ft	783 MW-01 12/7/15 PDB 23.0 ft	784 MW-01 12/7/15 PDB 24.5 ft	810 MW-01 3/29/16 PDB 17.0 ft	811 MW-01 3/29/16 PDB 23.0 ft	812 MW-01 3/29/16 PDB 24.5 ft	840 MW-01 7/12/16 PDB 17.0 ft	841 MW-01 7/12/16 PDB 23.0 ft	842 MW-01 7/12/16 PDB 24.5 ft	868 MW-01 10/11/16 PDB 17.0 ft	869 MW-01 10/11/16 PDB 23.0 ft	870 MW-01 10/11/16 PDB 24.5 ft	896 MW-01 6/22/17 PDB 23.0 ft	912 MW-01 12/27/17 PDB 23.0 ft	929 MW-01 5/22/18 PDB 18.0 ft	930 MW-01 5/22/18 PDB 23.0 ft	940 MW-01 8/13/18 PDB 23.0 ft
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	0.47 J	0.55 J	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	4.7 J	U	U	U	U
Acetone	50	U	6.7	U	U	U	U	U	U	U	U	U	U	5.2	U	U	U	U	U	4 J	5.3
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U J	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	U	U	0.71 J	0.54 J	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	5	1.2	32.1 X	32.7 X	10.6 X	11.1 X	10.8 X	1.9	9.3 X	6.2 X	27.4 X	200 D X	200 D X	4.1	5.5 X	7.7 X	75.9 X	120 X	160 X	180 D X	140 X
Methyl tert-butyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	U	U	0.32 J	U	U	U	U	U	U	U	1.8 J	2.1	U	U	U	U	U	U	2.3	U
Tetrachloroethene	5	79.6 X	230 D X	150 X	130 X	110 X	59.4 X	30 X	72 X	57.1 X	80.8 X	480 D X	240 D X	9.5 X	12 X	23.7 X	320 D X	570 D X	90 X	890 D X	4400 D X
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U J	U	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U J	U	U	U
Xylenes (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U J	U	U	U
Trichloroethene	5	4.6	30 X	67.5 X	22.7 X	24.3 X	20.3 X	6.4 X	19.4 X	19.3 X	23 X	180 X	200 X	1.9	2.7	5.5 X	110 D X	120 J X	140 X	150	160 D X
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U J	U	U J	U	U	U	U	U	U	U	U	U	U	U	U	0.22 J	U	U	0.37 J	0.52 J
Carbon Disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U J	U J	U J	U J	U J	U J	U	U	U	U	U	U	U J	U J	U	U	U
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U J	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U	U	U
Total VOCs		85.4	298.8	250.52	163.3	145.4	90.5	38.3	100.7	82.6	131.2	862.98	643.19	20.7	20.2	36.9	512.02	812	390	1226.67	4705.82
Total TICs ⁽¹⁾		1.8	2	1.8	U	U	U	U	U	U	U	U	U	U	U	U	2	U	51.1	U	U
Total VOCs and TICs ⁽¹⁾		87.2	300.8	252.32	163.3	145.4	90.5	38.3	100.7	82.6	131.2	862.98	643.19	20.7	20.2	36.9	514.02	812	441.1	1226.67	4705.82

U = Not Detected
 NA = Not Available
 LF - Low Flow
 J = Estimated value

Legend:
 [Light Blue Box] = Round 1 RI Groundwater Sample
 [Light Purple Box] = Round 2 RI Groundwater Sample
 [Light Green Box] = Round 3 Supplemental RI Groundwater Sample
 [Light Yellow Box] = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
 [Light Orange Box] = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).

TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.

VOC = Volatile Organic Compound

UJ = Not Detected at an estimated detection limit as qualified by the data validator.

X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	135 MW-02 1/9/12 LF 22.0 ft	168 MW-02 6/27/12 PDB 17.0 ft	169 MW-02 6/27/12 PDB 22.0 ft	601 MW-02 9/5/13 PDB 17.0 ft	602 MW-02 9/5/13 PDB 22.0 ft	603 MW-02 9/5/13 PDB 25.5 ft	671 MW-02 11/12/14 PDB 23.8 ft	701 MW-02 3/16/15 PDB 23.8 ft	729 MW-02 6/9/15 PDB 23.8 ft	757 MW-02 9/3/15 PDB 23.8 ft	785 MW-02 12/7/15 PDB 23.8 ft	813 MW-02 3/29/16 PDB 23.8 ft	843 MW-02 7/12/16 PDB 23.8 ft	871 MW-02 10/11/16 PDB 23.8 ft	897 MW-02 6/22/17 PDB 23.8 ft	913 MW-02 12/27/17 PDB 23.8 ft	941 MW-02 8/13/18 PDB 23.8 ft
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	0.81 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	5.8	6.1	U	U	U	U	U	U	2.3 J	U	U	U	U	4.3 J	U	U
Acetone	50	U	67 X	68 X	R	R	R	9.5	U	U	U	U	U	U	U	U	U	7.1
Methyl Acetate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	0.36 J	U	0.36 J	0.49 J	0.36 J	U	0.3 J	U	U	U	U
Chloroform	7	0.62 J	U	U	U	U	U	1.1	0.45 J	U	0.23 J	0.44 J	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	5	62 X	7.8 X	22 X	8.1 X	51.7 X	49.5 X	U	U	U	U	48.8 X	83.4 X	94.8 J X	100 X	29.4 X	34.4 X	30.9 X
Methyl tert-butyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	1	U	U	U	0.68 J	2.9	U	U	U	U	U	0.49 J	0.89 J	0.85 J	0.87 J	1.8	1.2
Tetrachloroethene	5	19000 D X	180 X	530 D X	460 D X	8900 D X	8400 D X	0.46 J	0.22 J	2.7	47.9 X	300 D X	180 X	130 X	140 X	88.8 X	73.2 JH X	79.4 X
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Xylenes (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	5	180 J X	16 X	36 X	16.3 X	140 X	190 X	U	U	U	U	30.4 X	37.6 J	38 X	40.4 X	44.7 X	42.9 J X	36.8 X
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	0.46 J	U	U	U	0.51 J	0.56 J	U	U	U	U	0.29 J	U	0.58 J	U	1.4	U	U
Carbon Disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		19244.89	276.6	662.1	484.4	9092.89	8642.96	11.06	1.03	2.7	50.79	380.42	301.85	264.27	281.55	169.47	152.3	155.4
Total TICs ⁽¹⁾		U	U	U	U	U	U	U	3.4	20.4	15.2	U	5.8	11.7	11.6	9.9	69.7	7.9
Total VOCs and TICs ⁽¹⁾		19244.89	276.6	662.1	484.4	9092.89	8642.96	11.06	4.43	23.1	65.99	380.42	307.65	275.97	293.15	179.37	222.0	163.3

U = Not Detected = Round 1 RI Groundwater Sample
 NA = Not Available = Round 2 RI Groundwater Sample
 LF - Low Flow = Round 3 Supplemental RI Groundwater Sample
 J = Estimated value = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
 = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).

TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.

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(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6

300, 304-308 Andrews St and 25 Evans St
Rochester, NY

NYSDEC Site #E828144

Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	136 MW-03 1/5/12 LF 22.0 ft	171 MW-03 6/27/12 PDB 22.0 ft	172 MW-03 6/27/12 PDB Dup 22.0 ft	525 MW-03A 2/1/13 PDB 22-23 ft	575 MW-03A 9/5/13 PDB 17.0 ft	576 MW-03A 9/5/13 PDB 22.0 ft	577 MW-03A 9/5/13 PDB 28.0 ft	672 MW-03A 11/12/14 PDB 17.0 ft	702 MW-03A 3/16/15 PDB 17.0 ft	730 MW-03A 6/9/15 PDB 17.0 ft	758 MW-03A 9/3/15 PDB 17.0 ft	786 MW-03A 12/7/15 PDB 17.0 ft	814 MW-03A 3/29/16 PDB 17.0 ft	844 MW-03A 7/12/16 PDB 17.0 ft	872 MW-03A 10/11/16 PDB 17.0 ft	898 MW-03A 6/22/17 PDB 17.0 ft	914 MW-03A 12/27/17 PDB 17.0 ft	931 MW-03A 5/22/18 PDB 17.0 ft	932 MW-03A 5/22/18 PDB 22.0 ft	933 MW-03A 5/22/18 PDB 28.0 ft	942 MW-03A 8/13/18 PDB 28.0 ft
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U J	U	U	10.3	R	R	R	U	U	U	U	U	U	U	U	U	U	U	1.7 J	5.7	3.8 J
Methyl Acetate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	4.3	U
Benzene	1	U	U	U	U	0.37 J	U	U	U	0.22 J	0.32 J	0.27 J	0.22 J	U	U J	U	U J	U	U	U	U	U
Chloroform	7	U	U	U	1.5	0.62 J	0.66 J	0.66 J	1.5	0.67 J	0.53 J	0.31 J	0.42 J	U	0.4 J	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U	U	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U	U	U	U	U J	U	U J	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	5	1.8	2.2	2.2	9.9 X	71.6 X	75.3 X	78.7 X	U	U	U	3.5	47.6 X	74.2 X	50.7 X	27.6 X	130 X	140 X	110 X	100 X	100 X	70.7 X
Methyl tert-butyl Ether	10	U J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	U	U	U	1.1	1.1	1.2	1.2	U	U	U	U	U	1.3	1.1	0.56 J	U	U	U	2.3	2.2	U
Tetrachloroethene	5	1300 D X	1300 D X	2900 D X	9600 D X	4800 D X	4300 D X	1700 D X	130 X	98.4 X	400 D X	610 D X	810 D X	760 D X	740 D X	670 D X	810 J X	710 X	620 X	450 D X	360 D X	610 D X
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U J	U	U	U	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U J	U	U	U	U	U
Xylenes (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U J	U	U	U	U	U
Trichloroethene	5	44 X	48 X	48 X	260 D X	190 D X	170 D X	190 X	U	U	U	7.4 X	51.3 X	60.9 X	51.9 X	48.3 X	110 J X	100 X	81 X	73 X	68.7 X	76.4 X
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U	U	U	U	U	U	U	U	U	U	U J	U	0.64 J	0.46 J	U	U	3.5 J X	U	2.9 X	2.8 X	0.5 J
Carbon Disulfide	NA	U	U	U	U	0.27 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U	U	U	U	U	U	U J	U	U J	U J	U J	U	U J	U	U	U	U	U
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U J	U	U	U	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U J	U	U	U	U	U	U
Total VOCs		1345.8	1350.2	2950.2	9882.8	5063.96	4547.16	1970.56	131.5	99.29	400.85	621.48	909.54	897.04	844.56	746.46	1050	953.5	811	629.9	543.7	761.4
Total TICs (1)		U	U	U	U	U	U	U	U	2.1	2.6	1.6	U	U	U	U	U	U	U	U	7.7	U
Total VOCs and TICs (1)		1345.8	1350.2	2950.2	9882.8	5063.96	4547.16	1970.56	131.5	101.39	403.45	623.08	909.54	897.04	844.56	746.46	1050	953.5	811	629.9	551.4	761.4

U = Not Detected
 NA = Not Available
 LF - Low Flow
 J = Estimated value

 = Round 1 RI Groundwater Sample
 = Round 2 RI Groundwater Sample
 = Round 3 Supplemental RI Groundwater Sample
 = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
 = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag
 µg/L = micrograms per Liter or parts per billion (ppb).

TIC = Tentatively Identified Compound
 E = Value Exceeds Calibration Range.

VOC = Volatile Organic Compound

UJ = Not Detected at an estimated detection limit as qualified by the data validator.

X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	137 MW-04 1/6/12 LF 23.0 ft	173 MW-04 6/27/12 PDB 23.0 ft	565 MW-04 9/5/13 PDB 23.0 ft	673 MW-04 11/12/14 PDB 23.0 ft	703 MW-04 3/16/15 PDB 23.0 ft	731 MW-04 6/9/15 PDB 23.0 ft	759 MW-04 9/3/15 PDB 23.0 ft	787 MW-04 12/7/15 PDB 23.0 ft	815 MW-04 3/29/16 PDB 23.0 ft	845 MW-04 7/12/16 PDB 23.0 ft	873 MW-04 10/11/16 PDB 23.0 ft	899 MW-04 6/22/17 PDB 23.0 ft	915 MW-04 12/27/17 PDB 23.0 ft	943 MW-04 8/13/18 PDB 23.0 ft
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	7.6	U	U	U	U	U	U	U	U	U	4.6 J	U	U
Acetone	50	U J	76 X	R	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Chloroform	7	U	U	U	4.5	0.58 J	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	0.22 J	U	U	U J	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U J	U	U J	U	U	U	U	U
Cis-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl Ether	10	3.6 J	U	U	U	U	U	U	0.44 J	U	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	5	U J	U	U	U	0.28 J	0.46 J	U	U	0.98 J	U	U	0.61 J	0.29 J	0.49 J
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Xylenes (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Trichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	0.29 J	U	U
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U	U	U	U	U	U	U J	U	U	U	U	U	U	U
Carbon Disulfide	NA	U	U	U	U	1.4	1	1.5	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U	U	U J	U	U J	U J	2.8	U	U J	U	U
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Total VOCs		3.6	83.6	0	4.5	2.26	1.68	1.5	0.44	0.98	2.8	0	5.5	0.29	0.49
Total TICs ⁽¹⁾		0.9	U	U	U	U	10.36	1.4	U	U	U	U	1.9	U	U
Total VOCs and TICs ⁽¹⁾		4.5	83.6	0	4.5	2.26	12.04	2.9	0.44	0.98	2.8	0	7.4	0.29	0.49

U = Not Detected
 NA = Not Available
 LF - Low Flow
 J = Estimated value

= Round 1 RI Groundwater Sample
 = Round 2 RI Groundwater Sample
 = Round 3 Supplemental RI Groundwater Sample
 = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
 = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).
 TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.
 VOC = Volatile Organic Compound
 UJ = Not Detected at an estimated detection limit as qualified by the data validator.
 X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	138 MW-05 1/9/12 LF 23.3 ft	174 MW-05 6/27/12 PDB 23.0 ft	567 MW-05 9/5/13 PDB 23.0 ft	568 MW-05 9/5/13 PDB 17.0 ft	569 MW-05 9/5/13 PDB 28.0 ft	674 MW-05 11/12/14 PDB 17.0 ft	704 MW-05 3/16/15 PDB 17.0 ft	732 MW-05 6/9/15 PDB 17.0 ft	760 MW-05 9/3/15 PDB 17.0 ft	788 MW-05 12/7/15 PDB 17.0 ft	816 MW-05 3/29/16 PDB 17.0 ft	846 MW-05 7/12/16 PDB 17.0 ft	874 MW-05 10/11/16 PDB 17.0 ft	900 MW-05 6/22/17 PDB 17.0 ft	916 MW-05 12/27/17 PDB 17.0 ft	944 MW-05 8/13/18 PDB 17.0 ft
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U	U	U	4.9 J	U	U
Acetone	50	U	U	R	R	R	U	U	U	U	U	U	U	U	U	U	2.6 J
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	0.89 J	0.7 J	0.77 J	0.5 J	0.85 J	U	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl Ether	10	U J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	5	260 D	X 110	X 110	X 150	X 37.1	X 11.2	X 88.7	X 120	X 80.2	X 46.6	X 69.3	X 75.8	X 51.6	X 61.6 J	X 64.2	X 42.2
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Xylenes (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	5	U	2.9	2.1	2	1.5	U	1	1.6	0.89 J	1.3	0.88 J	1	0.7 J	0.76 J	0.94 J	0.72 J
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon Disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		260	113.79	112.8	152.77	39.1	12.05	89.7	121.6	81.09	47.9	70.18	76.8	52.3	67.26	65.14	45.52
Total TICs ⁽¹⁾		U	U	U	U	U	4.6	U	U	1.7	U	U	U	U	2.3	U	U
Total VOCs and TICs ⁽¹⁾		260	113.79	112.8	152.77	39.1	16.65	89.7	121.6	82.79	47.9	70.18	76.8	52.3	69.56	65.14	45.52

U = Not Detected
 NA = Not Available
 LF - Low Flow
 J = Estimated value
 PDB - Passive Diffusion Bag
 TIC = Tentatively Identified Compound
 VOC = Volatile Organic Compound
 UJ = Not Detected at an estimated detection limit as qualified by the data validator.
 X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	139 MW-06 1/6/12 LF 20.5 ft	176 MW-06 6/27/12 PDB 20.5 ft	571 MW-06 9/5/13 PDB 17.0 ft	572 MW-06 9/5/13 PDB 21.0 ft	573 MW-06 9/5/13 PDB 28.0 ft	675 MW-06 11/12/14 PDB 17.0 ft	705 MW-06 3/16/15 PDB 17.0 ft	733 MW-06 6/9/15 PDB 17.0 ft	761 MW-06 9/3/15 PDB 17.0 ft	789 MW-06 12/7/15 PDB 17.0 ft	817 MW-06 3/29/16 PDB 17.0 ft	847 MW-06 7/12/16 PDB 17.0 ft	875 MW-06 10/11/16 PDB 17.0 ft	901 MW-06 6/22/17 PDB 17.0 ft	917 MW-06 12/27/17 PDB 17.0 ft	945 MW-06 8/13/18 PDB 17.0 ft
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U	U	U	4.9 J	U	U
Acetone	50	U J	U	R	R	R	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Chloroform	7	U	U	U	U	U	0.64 J	0.28 J	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U J	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U	U	U J	U	U J	U	U	U	U	U
Cis-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl Ether	10	U J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	5	14 J	X 26	X 20.4	X 14.9	X 6.2	3	6.8 X	11.1 X	4.8	10 X	7.2 X	8.8 X	8.5 X	12.9 J	X 9	X 7 X
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Xylenes (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Trichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	0.66 J	0.54 J	0.54 J	0.3 J	0.37 J
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U	U	U	U	U	U	U	U	U J	U	U	U	U	U	U	U
Carbon Disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U	U	U	U	U J	U	U J	U J	U	U	U J	U	U
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Total VOCs		14	26	20.4	14.9	6.2	3.64	7.08	11.1	4.8	10	7.2	9.46	9.04	18.34	9.3	7.37
Total TICs ⁽¹⁾		U	U	U	U	U	U	U	2.6	1.8	U	U	U	U	2	U	U
Total VOCs and TICs ⁽¹⁾		14	26	20.4	14.9	6.2	3.64	7.08	13.7	6.6	10	7.2	9.46	9.04	20.34	9.3	7.37

U = Not Detected
 NA = Not Available
 LF - Low Flow
 J = Estimated value
 PDB - Passive Diffusion Bag
 TIC = Tentatively Identified Compound
 VOC = Volatile Organic Compound
 UJ = Not Detected at an estimated detection limit as qualified by the data validator.
 X = Exceeds Groundwater Standard or Guidance Value.

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(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	140 MW-07 1/9/12 LF 22.5 ft	177 MW-07 6/27/12 PDB 22.5 ft	608 MW-07 9/5/13 PDB 22.5 ft	676 MW-07 11/12/14 PDB 22.5 ft	706 MW-07 3/16/15 PDB 22.5 ft	734 MW-07 6/9/15 PDB 22.5 ft	762 MW-07 9/3/15 PDB 22.5 ft	790 MW-07 12/7/15 PDB 22.5 ft	818 MW-07 3/29/16 PDB 22.5 ft	848 MW-07 7/12/16 PDB 22.5 ft	876 MW-07 10/11/16 PDB 22.5 ft	902 MW-07 6/22/17 PDB 22.5 ft	918 MW-07 12/27/17 PDB 22.5 ft	946 MW-07 8/13/18 PDB 22.5 ft
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U J	U	U	U	U	U	4.8 J	U	U
Acetone	50	U	U	R	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Chloroform	7	U	U	U	0.43 J	U	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U J	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U J	U	U J	U	U	U	U	U
Cis-1,2-Dichloroethene	5	U	U	U	U	U	U	U	1.5	0.79 J	U	1.4	0.53 J	U	U
Methyl tert-butyl Ether	10	U J	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	5	U	U	4.5	0.71 J	1	30.1 X	35 X	100 X	61.7 X	23 X	110 X	27.5 J X	3.6	7.9 X
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Xylenes (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Trichloroethene	5	U	U	U	U	U	U	0.85 J	5.7 X	2.6	0.54 J	7 X	1.5 J	U	U
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U	U	U	U	U	U	U J	U	U	U	U	U	U	U
Carbon Disulfide	NA	U	U	U	U	U	U	1.1	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U	U	U J	U	U J	U J	U	U	U J	U	U
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U J	U	U
Total VOCs		0	0	4.5	1.14	1	30.1	36.95	107.2	65.09	23.54	118.4	34.33	3.6	7.9
Total TICs ⁽¹⁾		U	U	U	6.2	1.7	2.6	1.7	U	U	U	U	U	U	U
Total VOCs and TICs ⁽¹⁾		0	0	4.5	7.34	2.7	32.7	38.65	107.2	65.09	23.54	118.4	34.33	3.6	7.9

U = Not Detected = Round 1 RI Groundwater Sample
 NA = Not Available = Round 2 RI Groundwater Sample
 LF - Low Flow = Round 3 Supplemental RI Groundwater Sample
 J = Estimated value = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
 = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).

TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.

VOC = Volatile Organic Compound

UJ = Not Detected at an estimated detection limit as qualified by the data validator.

X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	141 MW-08 1/4/12 LF 16.6 ft	178 MW-08 6/27/12 PDB 18.0 ft	561 MW-08 9/5/13 PDB 18.0 ft	677 MW-08 11/12/14 PDB 18.0 ft	707 MW-08 3/16/15 PDB 18.0 ft	735 MW-08 6/9/15 PDB 18.0 ft	763 MW-08 9/3/15 PDB 18.0 ft	791 MW-08 12/7/15 PDB 18.0 ft	819 MW-08 3/29/16 PDB 18.0 ft	849 MW-08 7/12/16 PDB 18.0 ft	877 MW-08 10/11/16 PDB 18.0 ft	142 MW-09 1/6/12 LF 20.0 ft	179 MW-09 6/27/12 PDB 20.0 ft	559 MW-09 9/5/13 PDB 20.0 ft	143 MW-10 1/5/12 LF 20.8 ft	180 MW-10 6/27/12 PDB 25.0 ft	557 MW-10 9/5/13 PDB 25.0 ft
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	6.8	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U J	81 X	R	U	U	U	U	U	U	U	U	U J	U	R	U J	U	R
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U J	U	U	U	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U J	U	U J	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U J	U	U	U J	U	U
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	5	U	U	U	0.65 J	U	0.56 J	U	0.91 J	0.45 J	U	0.48 J	U J	U	U	U J	U	U
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Xylenes (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1.5	17 X	11 X
Vinyl Chloride	2	U	U	U	U	U	U	U J	U	U	U	U	U	U	U	U	U	U
Carbon Disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U	U	U J	U	U J	U J	U	U	U	U	U	U	U	U
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		0	87.8	0	0.65	0	0.56	0	0.91	0.45	0	0.48	0	0	0	1.5	17	11
Total TICs ⁽¹⁾		U	U	U	U	U	2.5	1.7	U	U	U	U	U	U	U	U	U	U
Total VOCs and TICs ⁽¹⁾		0	87.8	0	0.65	0	3.06	1.7	0.91	0.45	0	0.48	0	0	29.5	1.5	17	11

U = Not Detected
 NA = Not Available
 LF - Low Flow
 J = Estimated value

PDB - Passive Diffusion Bag

TIC = Tentatively Identified Compound

VOC = Volatile Organic Compound

UJ = Not Detected at an estimated detection limit as qualified by the data validator.

X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	144 MW-11 1/5/12 LF 13.0 ft	181 MW-11 6/27/12 PDB 13.0 ft	182 MW-11 6/27/12 PDB 21.0 ft	562 MW-11 9/5/13 PDB 15.0 ft	563 MW-11 9/5/13 PDB 10.0 ft	564 MW-11 9/5/13 PDB 21.0 ft	678 MW-11 11/12/14 PDB 15.0 ft	708 MW-11 3/16/15 PDB 15.0 ft	736 MW-11 6/9/15 PDB 15.0 ft	764 MW-11 9/3/15 PDB 15.0 ft	792 MW-11 12/7/15 PDB 15.0 ft	820 MW-11 3/29/16 PDB 15.0 ft	850 MW-11 7/12/16 PDB 15.0 ft	878 MW-11 10/11/16 PDB 15.0 ft	903 MW-11 6/22/17 PDB 15.0 ft	919 MW-11 12/27/17 PDB 15.0 ft	947 MW-11 8/13/18 PDB 15.0 ft	
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
2-Butanone	50	U	U	U	U	U	U	U	U	U	1.6 J	U	U	U	U	4.9 J	U	U	
Acetone	50	1 J	U	U	R	R	R	U	U	U	U	U	U	U	U	U	U	4.7 J	
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U	U	U	0.4 J	U	U	U	
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Bromomethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Cis-1,2-Dichloroethene	5	2.4	3.3	3	U	U	U	U	U	U	U	U	U	0.63 J	1.5	U	U	6.4 X	
Methyl tert-butyl Ether	10	U J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Tetrachloroethene	5	220 D	X 130	X 90	X 28.5	X 5.1	X 20.5	X 16.2	X 7.6	X 3.6	U	8.5 X	15.7 X	55.9 X	1300 D	X 4.8	0.94 J	280 D	X
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Xylenes (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Trichloroethene	5	4.4	5.2 X	4.2	0.51 J	U	0.42 J	U	U	U	U	U	0.54 J	1.9	16.9 X	U	U	12.7 X	
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Vinyl Chloride	2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.42 J	
Carbon Disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Cyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Total VOCs		227.8	138.5	97.2	29.01	5.1	20.92	16.2	7.6	3.6	1.6	8.5	16.24	58.43	1318.8	9.7	0.94	304.22	
Total TICs ⁽¹⁾		0.55	U	U	U	U	U	U	U	2.6	1.6	U	2.4	U	U	1.9	U	U	
Total VOCs and TICs ⁽¹⁾		228.35	138.5	97.2	29.01	5.1	20.92	16.2	7.6	6.2	3.2	8.5	18.64	58.43	1318.8	11.6	0.94	304.22	

U = Not Detected
 NA = Not Available
 LF - Low Flow
 J = Estimated value

= Round 1 RI Groundwater Sample
 = Round 2 RI Groundwater Sample
 = Round 3 Supplemental RI Groundwater Sample
 = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
 = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).
 TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.
 VOC = Volatile Organic Compound
 UJ = Not Detected at an estimated detection limit as qualified by the data validator.
 X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	145	183	610	146	184	185	611	679	709	737	765	793	821	851	879	147	186	612
		MW-12 1/4/12 LF 21.1 ft	MW-12 6/27/12 PDB 21.1 ft	MW-12 9/5/13 PDB 21.0 ft	MW-13 1/4/12 LF 19.8 ft	MW-13 6/27/12 PDB 15.0 ft	MW-13 6/27/12 LF 15.0 ft	MW-13 9/5/13 PDB 15.0 ft	MW-13 11/12/14 9/5/13 PDB 15.0 ft	MW-13 3/16/15 6/9/15 PDB 15.0 ft	MW-13 9/3/15 12/7/15 PDB 15.0 ft	MW-13 3/29/16 7/12/16 PDB 15.0 ft	MW-13 10/11/16 6/27/12 PDB 22.7 ft	MW-14 1/3/12 LF 22.7 ft	MW-14 6/27/12 PDB 22.7 ft	MW-14 9/5/13 PDB 22.5 ft			
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	U J	U	R	U J	44	U	R	U	U	U	U	U	U	U	U	U J	U	R
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U J	U	U	U	U	U
Cis-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	5	U	U	U	U	U	U	U	0.54 J	0.24 J	0.34 J	U	0.47 J	0.35 J	U	U	U	U	U
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Xylenes (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon Disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U	U	U	U	U	U	U J	U	U J	U J	U	U	U	U	U
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		0	0	0	0	44	0	0	0.54	0.24	0.34	0	0.47	0.35	0	0	0	0	0
Total TICs ⁽¹⁾		U	U	U	U	U	U	U	U	U	2.5	1.9	U	U	U	U	U	U	U
Total VOCs and TICs ⁽¹⁾		0	0	0	0	44	0	0	0.54	0.24	2.84	1.9	0.47	0.35	0	0	0	0	0

U = Not Detected = Round 1 RI Groundwater Sample
 NA = Not Available = Round 2 RI Groundwater Sample
 LF - Low Flow = Round 3 Supplemental RI Groundwater Sample
 J = Estimated value = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
 = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).

TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.

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X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	526	529	585	586	587	680	710	738	766	794	822	852	880	904	920	948
		MW-15 2/1/13 PDB 22-23 ft	MW-D* 2/1/13 PDB 22-23 ft	MW-15 9/5/13 PDB 17.0 ft	MW-15 9/5/13 PDB 22.5 ft	MW-15 9/5/13 PDB 28.0 ft	MW-15 11/12/14 PDB 17.0 ft	MW-15 3/16/15 PDB 17.0 ft	MW-15 6/9/15 PDB 17.0 ft	MW-15 9/3/15 PDB 17.0 ft	MW-15 12/7/15 PDB 17.0 ft	MW-15 3/29/16 PDB 17.0 ft	MW-15 7/12/16 PDB 17.0 ft	MW-15 10/11/16 PDB 17.0 ft	MW-15 6/22/17 PDB 17.0 ft	MW-15 12/27/17 PDB 17.0 ft	MW-15 8/13/18 PDB 17.0 ft
1,1-Dichloroethane	5	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U J	U J	U J	U	U	U J	U	U	U	U	U	4.3 J	U	U
Acetone	50	16.5	17.7	R	R	R	U	U	U	U	U	U	U	U	U	U	U
Benzene	1	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U J	U	U
Chloroform	7	U	U	U J	U J	U J	0.92 J	U	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U J	U J	U J	U	U	U	U	U	U J	U	U	U	U	U
Bromomethane	5	U	U	U J	U J	U J	U	U	U	U	U	U J	U	U	U	U	U
Cis-1,2-Dichloroethene	5	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl Ether	10	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	5	U	U	0.48 J	U J	U J	0.6 J	0.3 J	U	U	0.48 J	1.2	U	U	U J	U	5.6 X
Toluene	5	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U J	U	U
Ethylbenzene	5	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U J	U	U
Xylenes (Total)	5	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U J	U	U
Trichloroethene	5	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U J	U	0.29 J
Trichlorofluoromethane	5	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
Carbon Disulfide	NA	U	U	U J	U J	U J	0.6 J	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U J	U J	U J	U	U	U J	U	U J	U J	10.2	U	U J	U	U
Methylcyclohexane	NA	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U J	U	U
Bromodichloromethane	NA	U	U	U J	U J	U J	U	U	U	U	U	U	U	U	U J	U	U
Total VOCs		16.5	17.7	0.48	0	0	2.12	0.3	0	0	0.48	1.2	10.2	0	4.3	0	5.89
Total TICs ⁽¹⁾		U	U	U	U	U	U	U	U	1.6	U	U	U	U	1.7	U	U
Total VOCs and TICs ⁽¹⁾		16.5	17.7	0.48	0	0	2.12	0.3	0	1.6	0.48	1.2	10.2	0	6	0	5.89

U = Not Detected = Round 1 RI Groundwater Sample
 NA = Not Available = Round 2 RI Groundwater Sample
 LF - Low Flow = Round 3 Supplemental RI Groundwater Sample
 J = Estimated value = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
 = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).
 TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.
 VOC = Volatile Organic Compound * = Duplicate of Sample 526 collected from monitoring well MW-15

UJ = Not Detected at an estimated detection limit as qualified by the data validator.
 X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	527	594	595	596	681	711	739	767	795	823	853	881	905	921	949
		MW-16 2/1/13 PDB 22-23 ft	MW-16 9/5/13 PDB 17.0 ft	MW-16 9/5/13 PDB 22.5 ft	MW-16 9/5/13 PDB 28.0 ft	MW-16 11/12/14 PDB 22.5 ft	MW-16 3/16/15 PDB 22.5 ft	MW-16 6/9/15 PDB 22.5 ft	MW-16 9/3/15 PDB 22.5 ft	MW-16 12/7/15 PDB 22.5 ft	MW-16 3/29/16 PDB 22.5 ft	MW-16 7/12/16 PDB 22.5 ft	MW-16 10/11/16 PDB 22.5 ft	MW-16 6/22/17 PDB 22.5 ft	MW-16 12/27/17 PDB 22.5 ft	MW-16 8/13/18 PDB 22.5 ft
1,1-Dichloroethane	5	U	U J	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U J	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U J	U	U	U	U	U	U	U	U	U	U	4.6 J	U	U
Acetone	50	10.8	R	R	R	U	U	U	U	U	U	U	U	U	U	U
Methyl Acetate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U J	U
Benzene	1	U	U J	U	U	U	U	U	U	U	U	U	U	U J	U	U
Chloroform	7	U	U J	U	U	U	U	U	0.21 J	U	U	U	U	U	U	0.39 J
Chloromethane	5	U	U J	U	U	U	U	0.21 J	U	U	U J	U	U	0.79 J	U	U
Bromomethane	5	U	U J	U	U	U	U	5.3 X	U	U	U J	U	U	U	U	U
Cis-1,2-Dichloroethene	5	U	U J	U	U	0.84 J	2	U	U	U	U	11.3 X	8.3 X	11.8 X	8.3 J X	U
Methyl tert-butyl Ether	10	U	U J	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U J	U	U	U	U	U	U	U	U	U	U	U	U	0.62 J
trans-1,2-Dichloroethene	5	U	U J	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	5	U	U J	U	U	24.9 X	110 X	45.5 X	U	1.8	0.72 J	89.2 X	68.2 X	3.1 J	3 J	7 X
Toluene	5	U	U J	U	U	U	U	0.54 J	U	U	U	U	U	U J	U J	U
Ethylbenzene	5	U	U J	U	U	U	U	U	U	U	U	U	U	U J	U J	U
Xylenes (Total)	5	U	U J	U	U	U	U	U	U	U	U	U	U	U J	U J	U
Trichloroethene	5	U	U J	U	U	6.6 X	9.6 X	7.3 X	U	U	U	6.9 X	5.3 X	0.81 J	0.91 J	1.1
Trichlorofluoromethane	5	U	U J	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U	U J	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon Disulfide	NA	U	U J	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U J	U	U	U	U	U	U	U J	U J	U	U	U J	U J	U
Methylcyclohexane	NA	U	U J	U	U	U	U	U	U	U	U	U	U	U J	U J	U
Bromodichloromethane	NA	U	U J	U	U	U	U	U	U	U	U	U	U	U J	U	U
Dibromochloromethane	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.28 J
Total VOCs		10.8	0	0	0	32.34	121.6	58.85	0.21	1.8	0.72	107.4	81.8	21.1	12.21	17.09
Total TICs ⁽¹⁾		U	U	U	U	U	U	U	1.9	U	U	U	U	2.2	U	U
Total VOCs and TICs ⁽¹⁾		10.8	0	0	0	32.34	121.6	58.85	2.11	1.8	0.72	107.4	81.8	23.3	12.21	17.09

U = Not Detected
 NA = Not Available
 LF - Low Flow
 J = Estimated value

= Round 1 RI Groundwater Sample
 = Round 2 RI Groundwater Sample
 = Round 3 Supplemental RI Groundwater Sample
 = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
 = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).
 TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.

VOC = Volatile Organic Compound
 UJ = Not Detected at an estimated detection limit as qualified by the data validator.
 X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.






134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	528 MW-17 2/1/13 PDB 18-19 ft	578 MW-17 9/5/13 PDB 14.0 ft	579 MW-17 9/5/13 PDB 17.0 ft	580 MW-17 9/5/13 PDB 24.0 ft	682 MW-17 11/12/14 PDB 15.5 ft	712 MW-17 3/16/15 PDB 15.5 ft	740 MW-17 6/9/15 PDB 15.5 ft	768 MW-17 9/3/15 PDB 15.5 ft	796 MW-17 12/7/15 PDB 15.5 ft	824 MW-17 3/29/16 PDB 15.5 ft	838* MW-17 5/3/16 LF 15.5 ft	839* MW-17 5/3/16 LF 15.5 ft	854 MW-17 7/12/16 PDB 15.5 ft	882 MW-17 10/11/16 PDB 15.5 ft	906 MW-17 6/22/17 PDB 15.5 ft	922 MW-17 12/27/17 PDB 15.5 ft	934 MW-17 5/22/18 PDB 14.0 ft	935 MW-17 5/22/18 PDB 17.0 ft	936 MW-17 5/22/18 PDB 20.5 ft	937 MW-17 5/22/18 PDB 24.0 ft	950 MW-17 8/13/18 PDB 15.5 ft
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acetone	50	21.4 JD	R	R	R	210 X	U	U	7	U	U	U	U	U	U	U	U	5.8	7.3	7.5	U	4.9 J
Methyl Acetate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	3.2	2.5	U	U	U
Benzene	1	U	U	U	U	U	U	U	U	U	U	U	U	U	0.27 J	U	U	U	U	U	U	U
Chloroform	7	U	U	U	U	U	0.64 J	U	U	U	U	U	U	0.53 J	0.46 J	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	0.21 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	U	5.3 X	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	5	1.1	20.3 X	22.2 X	22.1 X	U	U	4.3	5.3 X	26.4 X	58.9 X	U	U	3	18.8 X	U	57 J X	33.3 X	35.7 X	32.9 X	36.1 X	37.4 X
Methyl tert-butyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.96 J	0.88 J	1.4	U	U
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	0.67 J	1	U	U	U	U	U	U	U	1.2	1.3	U	U	U
Tetrachloroethene	5	82.6 D X	88.7 X	86.8 X	69.6 X	U	34.6 X	410 D X	410 D X	650 D X	16000 D X	10300 X	10600 X	6000 D X	8500 D X	5800 D X	6600 X	3200 D X	4000 D X	4500 D X	4400 D X	3500 D X
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Xylenes (Total)	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	5	3.3 JD	11.9 X	11.6 X	11.6 X	U	U	7.7 X	6.7 X	28.7 X	72.1 X	U	U	7.3 X	41.8 X	U	79 J X	42.7 X	45.3	46.2 X	49.8 X	72.1 X
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U	U	U	U	U	U	U	U	U	0.73 J	U	U	U	U	U	U	U	U	0.33 J	U	U
Carbon Disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U	U	U	U	U	U	U	U	U	10.3	U	U	U	U	U	U	U	U
Methylcyclohexane	NA	U	U	U	U	U	U	U	U	U	0.37 J	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromochloromethane	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		108.4	120.9	120.6	103.3	210	35.24	427.51	429	705.77	16133.1	10300	10600	6021.13	8561.33	5800	6736	3287.16	4092.98	4588.33	4485.9	3614.4
Total TICs (1)		U	U	U	U	68.5	0.76	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs and TICs (1)		108.4	120.9	120.6	103.3	278.5	36	427.51	429	705.77	16133.1	10300	10600	6021.13	8561.33	5800	6736	3287.16	4092.98	4588.33	4485.9	3614.4

U = Not Detected
 NA = Not Available
 LF - Low Flow
 J = Estimated value

 = Round 1 RI Groundwater Sample
 = Round 2 RI Groundwater Sample
 = Round 3 Supplemental RI Groundwater Sample
 = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
 = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).

TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.

VOC = Volatile Organic Compound

UJ = Not Detected at an estimated detection limit as qualified by the data validator.

X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.






Results of DUSR incorporated on analytical laboratory data

* Sample 838 collected using low-flow bladder pump method. MW-17 then purged until groundwater was purple with KMnO4, then Sample 839 collected using low-flow bladder pump method.

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	588	589	590	683	713	741	769	797	825	855	883	907	923	951	
		MW-18 9/5/13 PDB 17.0 ft	MW-18 9/5/13 PDB 21.5 ft	MW-18 9/5/13 PDB 28.0 ft	MW-18 11/12/14 PDB 21.5 ft	MW-18 3/16/15 PDB 21.5 ft	MW-18 6/9/15 PDB 21.5 ft	MW-18 9/3/15 PDB 21.5 ft	MW-18 12/7/15 PDB 21.5 ft	MW-18 3/29/16 PDB 21.5 ft	MW-18 7/12/16 PDB 21.5 ft	MW-18 10/11/16 PDB 21.5 ft	MW-18 6/22/17 PDB 21.5 ft	MW-18 12/27/17 PDB 21.5 ft	MW-18 8/13/18 PDB 21.5 ft	
1,1-Dichloroethane	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U	
1,1-Dichloroethene	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U	
2-Butanone	50	U J	U J	U J	U	U	U	U	U	U	U	U	4.2 J	U	U	
Acetone	50	R	R	R	14.3	U	U	U	U	U	U	U	U	U	7.5	
Methyl Acetate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Benzene	1	U J	U J	U J	0.64 J	U	U	U	U	U	U	U	U	U	U	
Chloroform	7	U J	U J	U J	1	U	U	U	U	U	U	U	U	U	U	
Chloromethane	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U	
Bromomethane	5	U J	U J	U J	U	U	U J	U	U	U	U	U	U	U	U	
Cis-1,2-Dichloroethene	5	2.5 J	3.8 J	3.5 J	U	U	U	U	0.91 J	1.3	3.9	4.3	2.3	4.5	2.9	
Methyl tert-butyl Ether	10	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U	
Methylene chloride	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U	
trans-1,2-Dichloroethene	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U	
Tetrachloroethene	5	1100 D	X 1600 D	X 330 D	X U	U	U	19.1	X 27.4	X 26.9	X 36.2	X 24.8	X 33.6	X 25	X 50.6	X
Toluene	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U	
Ethylbenzene	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U	
Xylenes (Total)	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U	
Trichloroethene	5	8.1 J	X 8.9 J	X 29.5 J	X U	U	U	U	2.7	3.1	2.5	2.3	2.1	3.7	2.9	
Trichlorofluoromethane	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U	
Vinyl Chloride	2	U J	U J	U J	U	U	U	U	U	U	0.24 J	U	U	U	U	
Carbon Disulfide	NA	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U	
Cyclohexane	NA	U J	U J	U J	U J	U	U	U	U J	U	U	U	U	U	U	
Methylcyclohexane	NA	U J	U J	U J	U J	U	0.22 J	U	U	U	U	U	U	U	U	
Bromodichloromethane	NA	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U	
Dibromochloromethane	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Total VOCs		1110.6	1612.7	363	15.94	0	0.22	19.1	31.01	31.3	42.84	31.4	42.2	33.2	63.9	
Total TICs ⁽¹⁾		U	U	U	U	U	U	1.9	U	U	U	U	2.1	U	U	
Total VOCs and TICs ⁽¹⁾		1110.6	1612.7	363	15.94	0	0.22	21	31.01	31.3	42.84	31.4	44.3	33.2	63.9	

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PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).
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(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	591 MW-19 9/5/13 PDB 17.0 ft	592 MW-19 9/5/13 PDB 21.0 ft	593 MW-19 9/5/13 PDB 28.0 ft	684 MW-19 11/12/14 PDB 28.0 ft	714 MW-19 3/16/15 PDB 28.0 ft	742 MW-19 6/9/15 PDB 28.0 ft	770 MW-19 9/5/15 PDB 28.0 ft	798 MW-19 12/7/15 PDB 28.0 ft	826 MW-19 3/29/16 PDB 28.0 ft	856 MW-19 7/12/16 PDB 28.0 ft	884 MW-19 10/11/16 PDB 28.0 ft	908 MW-19 6/22/17 PDB 28.0 ft	924 MW-19 12/27/17 PDB 28.0 ft	952 MW-19 8/13/18 PDB 28.0 ft
1,1-Dichloroethane	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U J	U J	U J	U	U	U	U	U	U	U	U	4.6 J	U	U
Acetone	50	R	R	R	U	U	U	U	U	U	U	U	U	U	3.8 J
Benzene	1	U J	U J	U J	U	U	U	U	U	U	U	U	U J	U	U
Chloroform	7	U J	U J	U J	U	0.49 J	U	U	U	U	U	U	U	U	U
Chloromethane	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	5	U J	U J	U J	U	U	U J	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	5	1.2 J	6 J X	17 J X	U	U	U	U	2.7	3.4	11.1 X	12.4 X	16.3 X	32 X	27.8 X
Methyl tert-butyl Ether	10	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	U J	U J	U J	U	U	U	U	U	U	U	U	0.77 J	0.77 J	U
Tetrachloroethene	5	7.6 J X	440 D X	840 D X	U	39.7 X	1	0.39 J	5.1 X	5.4 X	7.4 X	4.4	96.9 D X	150 DJ X	170 D X
Toluene	5	U J	U J	U J	U	U	U	U	0.2 J	U	U	U	U J	U	U
Ethylbenzene	5	U J	U J	U J	U	U	U	U	U	U	U	U	U J	U	U
Xylenes (Total)	5	U J	U J	U J	U	U	U	U	U	U	U	U	U J	U	U
Trichloroethene	5	1.6 J	10.8 J X	120 J X	U	U	U	U	1.9	2.8	6.9 X	6.1 X	25.3 J X	35.6 X	33.3 X
Trichlorofluoromethane	5	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U J	U J	U J	U	U	U	U	U	U	0.86 J	1.4	2.3 X	U	1.6
Carbon Disulfide	NA	U J	U J	U J	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U J	U J	U J	U	U J	U	U	U J	U	U	U	U J	U J	U
Methylcyclohexane	NA	U J	U J	U J	U	U J	U	U	U	U	U	U	U J	U	U
Bromodichloromethane	NA	U J	U J	U J	U	U	U	U	U	U	U	U	U J	U	U
Total VOCs		10.4	456.8	977	0	40.19	1	0.39	9.9	11.6	26.26	24.3	146.17	218.37	236.5
Total TICs ⁽¹⁾		U	U	U	U	U	U	2	U	U	U	U	2	U	U
Total VOCs and TICs ⁽¹⁾		10.4	456.8	977	0	40.19	1	2.39	9.9	11.6	26.26	24.3	148.17	218.37	236.5

U = Not Detected = Round 1 RI Groundwater Sample
 NA = Not Available = Round 2 RI Groundwater Sample
 LF - Low Flow = Round 3 Supplemental RI Groundwater Sample
 J = Estimated value = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
 = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).

TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.

VOC = Volatile Organic Compound

UJ = Not Detected at an estimated detection limit as qualified by the data validator.

X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	605	606	607	685	715	743	771	799	827	857	885	909	925	953
		MW-20 9/5/13 PDB 17.0 ft	MW-20 9/5/13 PDB 22.0 ft	MW-20 9/5/13 PDB 28.0 ft	MW-20 11/12/14 PDB 22.0 ft	MW-20 3/16/15 PDB 22.0 ft	MW-20 6/9/15 PDB 22.0 ft	MW-20 9/3/15 PDB 22.0 ft	MW-20 12/7/15 PDB 22.0 ft	MW-20 3/29/16 PDB 22.0 ft	MW-20 7/12/16 PDB 22.0 ft	MW-20 10/11/16 PDB 22.0 ft	MW-20 6/22/17 PDB 22.0 ft	MW-20 12/27/17 PDB 22.0 ft	MW-20 8/13/18 PDB 22.0 ft
1,1-Dichloroethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	50	U	U	U	U	U	U	U	U	U	U	U	4.1 J	U	U
Acetone	50	R	R	R	U	U	U	U	U	U	U	U	U	U	6.8
Benzene	1	U	U	U	U	0.21 J	3.3 X	1.5 X	1.5 X	U	0.64 J	0.47 J	U	U J	U
Chloroform	7	U	U	U	0.48 J	0.28 J	U	U	U	U	U	U	U	U	U
Chloromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	5	U	U	U	U	U	5.1 X	U	U	U	U	U	U	U	U
Cis-1,2-Dichloroethene	5	0.91 J	1.1	1.1	U	U	U	2.1	2.5	0.39 J	1.8 J	1.3	0.34 J	0.85 J	1.2
Methyl tert-butyl Ether	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	5	110 X	400 D X	200 X	1.1	24.1 X	2.9	1.5	2.6	2	2.1	1.7	1.1	1.3 J	4.1
Toluene	5	U	U	U	U	U	U	U	U	U	U	U	U	U J	U
Ethylbenzene	5	U	U	U	U	U	0.27 J	U	U	U	U	U	U	U J	U
Xylenes (Total)	5	U	U	U	U	U	1.23 J	U	U	U	U	U	U	U J	U
Trichloroethene	5	65.6 X	62 X	53.5 X	U	U	0.88 J	1.9	3.4	1.2	3.2	2.8	1.1	2.7 J	3.1
Trichlorofluoromethane	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	2	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon Disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Cyclohexane	NA	U	U	U	U	U J	U	U	U J	U	U	U	U	U J	U
Methylcyclohexane	NA	U	U	U	U	U J	0.66 J	U	U	U	U	U	U	U J	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs		176.51	463.1	254.6	1.58	24.59	14.34	7	10	3.59	7.74	6.27	6.64	4.85	15.2
Total TICs (1)		U	U	U	U	U	51.7	11.7	U	U	U	U	1.8	U	U
Total VOCs and TICs (1)		176.51	463.1	254.6	1.58	24.59	66.04	18.7	10	3.59	7.74	6.27	8.44	4.85	15.2

U = Not Detected = Round 1 RI Groundwater Sample
 NA = Not Available = Round 2 RI Groundwater Sample
 LF - Low Flow = Round 3 Supplemental RI Groundwater Sample
 J = Estimated value = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
 = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).

TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.

VOC = Volatile Organic Compound

UJ = Not Detected at an estimated detection limit as qualified by the data validator.

X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.



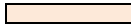
(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

Table 6
300, 304-308 Andrews St and 25 Evans St
Rochester, NY
NYSDEC Site #E828144
Summary of Detected VOCs in mg/L or ppb
Cumulative Overburden Groundwater Samples

Contaminant	X Groundwater Standard or Guidance Value	555 MW-21 9/5/13 PDB 23 ft	582 BW-01 9/5/13 PDB 10.5 ft	583 BW-02 9/5/13 PDB 10.5 ft	688 BW-02 11/12/14 PDB 10.5 ft	581 BW-03 9/5/13 PDB 10.5 ft	584 BW-04 9/5/13 PDB 10.5 ft	689 BW-04 11/12/14 PDB 10.5 ft
1,1-Dichloroethane	5	U	U J	U J	U	U J	U J	U
1,1-Dichloroethene	5	U	U J	U J	U	U J	U J	U
2-Butanone	50	U	U J	U J	U	U J	U J	U
Acetone	50	R	R	R	U	R	R	U
Benzene	1	U	U J	U J	U	U J	U J	U
Chloroform	7	U	U J	U J	0.86 J	U J	U J	0.66 J
Chloromethane	5	U	U J	U J	U	1.2 J	U J	U
Bromomethane	5	U	U J	U J	U	U J	U J	U
Cis-1,2-Dichloroethene	5	U	4.5 J	29.8 J X	19.7 X	22.7 J X	23 J X	9.7 X
Methyl tert-butyl Ether	10	U	U J	U J	U	U J	U J	U
Methylene chloride	5	U	U J	U J	U	U J	U J	U
trans-1,2-Dichloroethene	5	U	0.83 J	U J	U	0.3 J	0.49 J	U
Tetrachloroethene	5	U	28.1 J X	72.9 J X	120 X	66.3 J X	36 J X	62.6 X
Toluene	5	U	U J	U J	U	U J	U J	U
Ethylbenzene	5	U	U J	U J	U	U J	U J	U
Xylenes (Total)	5	U	U J	U J	U	U J	U J	U
Trichloroethene	5	U	13 J X	10.8 J X	41 X	10.9 J X	12.9 J X	21.2 X
Trichlorofluoromethane	5	U	U J	U J	U	U J	U J	U
Vinyl Chloride	2	U	U J	U J	U	U J	U J	U
Carbon Disulfide	NA	U	U J	U J	U	U J	U J	U
Cyclohexane	NA	U	U J	U J	U	0.56 J	U J	U
Methylcyclohexane	NA	U	U J	U J	U	U J	U J	U
Bromodichloromethane	NA	U	U J	U J	U	0.25 J	U J	U
Total VOCs		U	46.43	113.5	181.56	102.21	72.39	94.16
Total TICs ⁽¹⁾		U	U	U	U	U	U	U
Total VOCs and TICs ⁽¹⁾		U	46.43	113.5	181.56	102.21	72.39	94.16

U = Not Detected  = Round 1 RI Groundwater Sample
 NA = Not Available  = Round 2 RI Groundwater Sample
 LF - Low Flow  = Round 3 Supplemental RI Groundwater Sample
 J = Estimated value  = Round 4 Supplemental RI Groundwater Sample (Pre-ISCO Baseline Sample)
  = Performance Monitoring Sample After ISCO

PDB - Passive Diffusion Bag µg/L = micrograms per Liter or parts per billion (ppb).

TIC = Tentatively Identified Compound E = Value Exceeds Calibration Range.

VOC = Volatile Organic Compound

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X = Exceeds Groundwater Standard or Guidance Value.

Groundwater Standards or Guidance Values referenced in NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 dated June 1998 as amended by the NYSDEC's supplemental table dated April 2000.

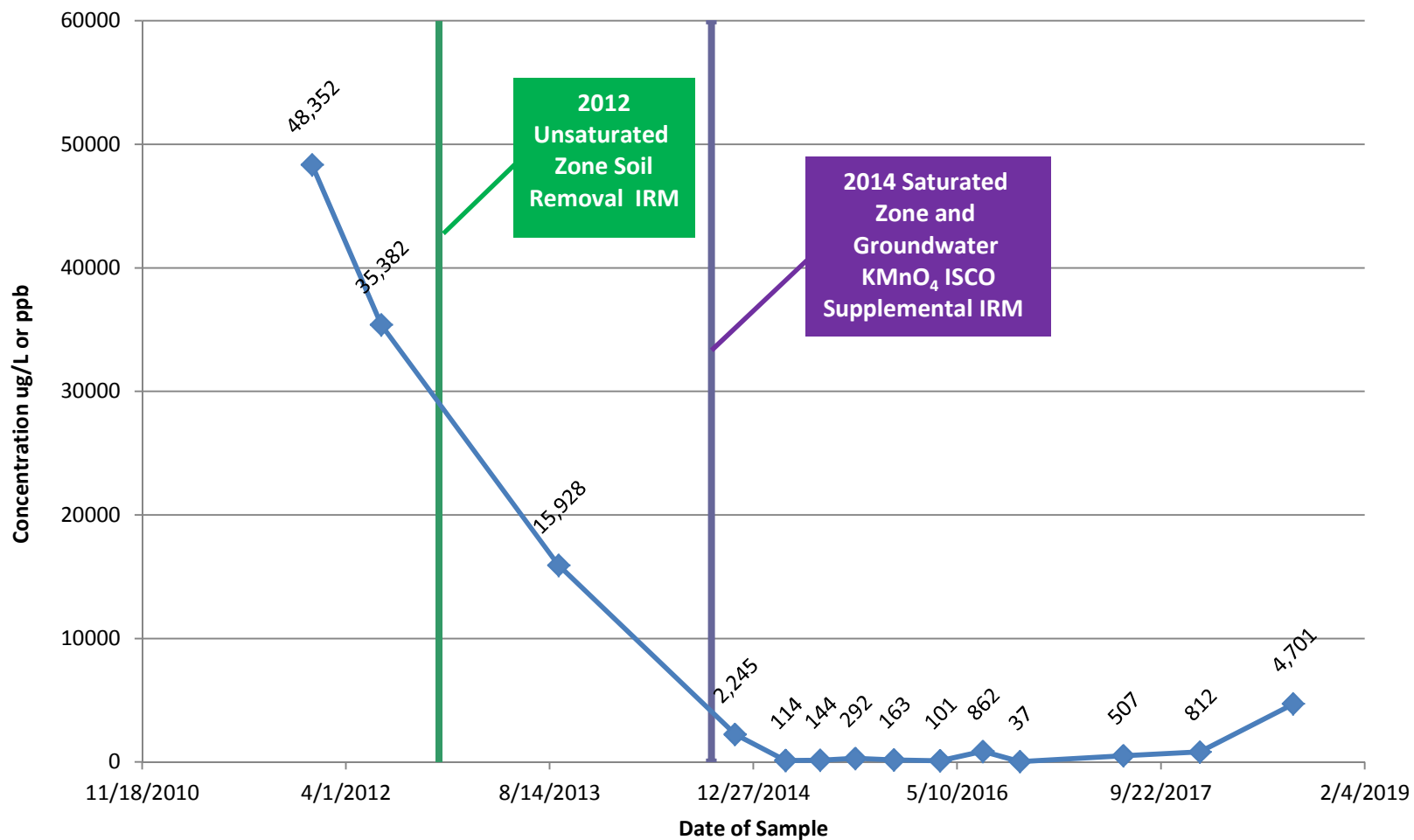
D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

(1) Refer to the analytical laboratory report for individual TICs detected and associated flags.

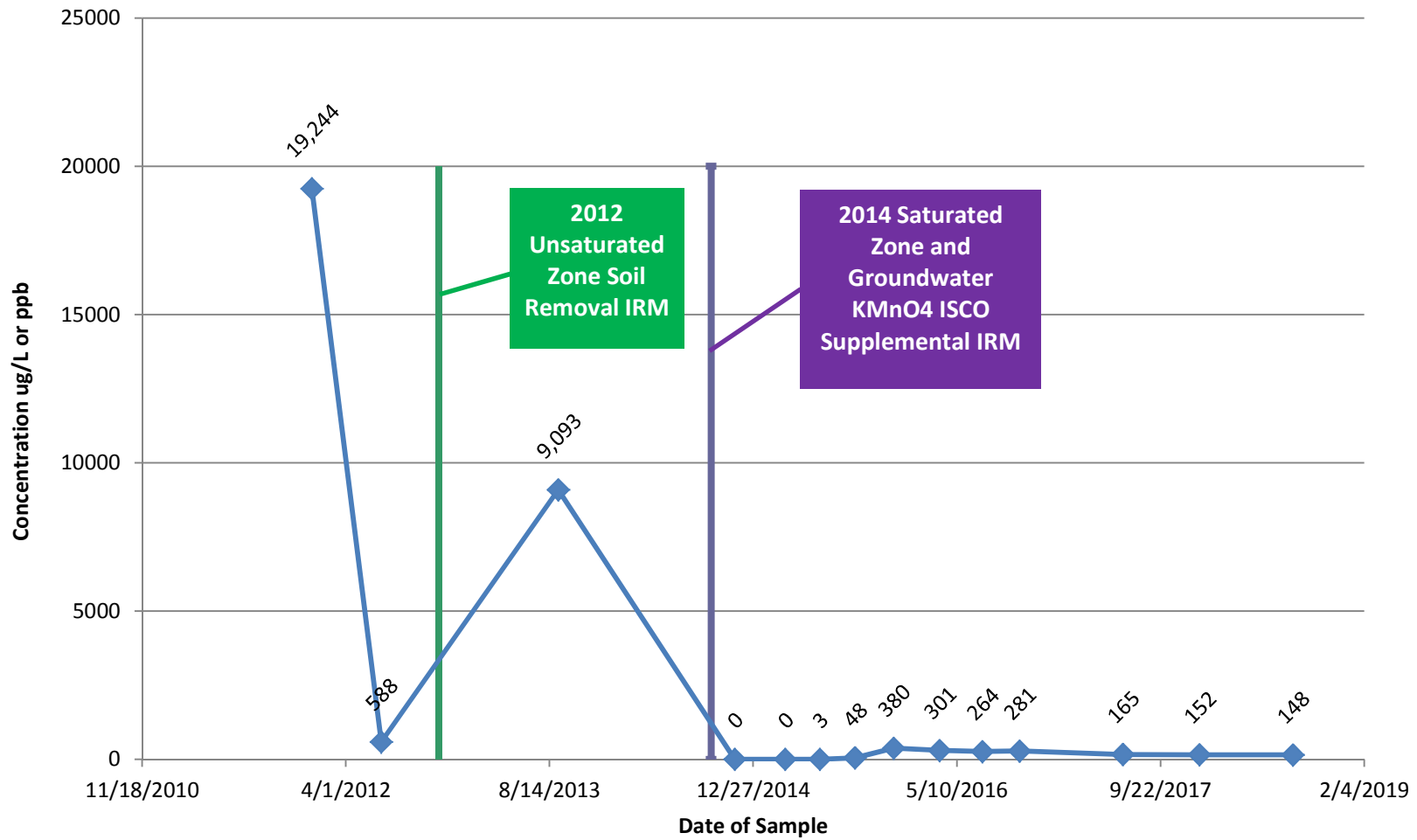
134	Sample ID
MW-01	Sample Location
1/9/2012	Sample Date
LF 20.5 ft	Sample Method with Sample Collection Depth in Feet Below the Ground Surface Prior to Installation of #2 Crusher Run (CR2) Cover System Material as a Supplemental Interim Remedial Measure.

Results of DUSR incorporated on analytical laboratory data

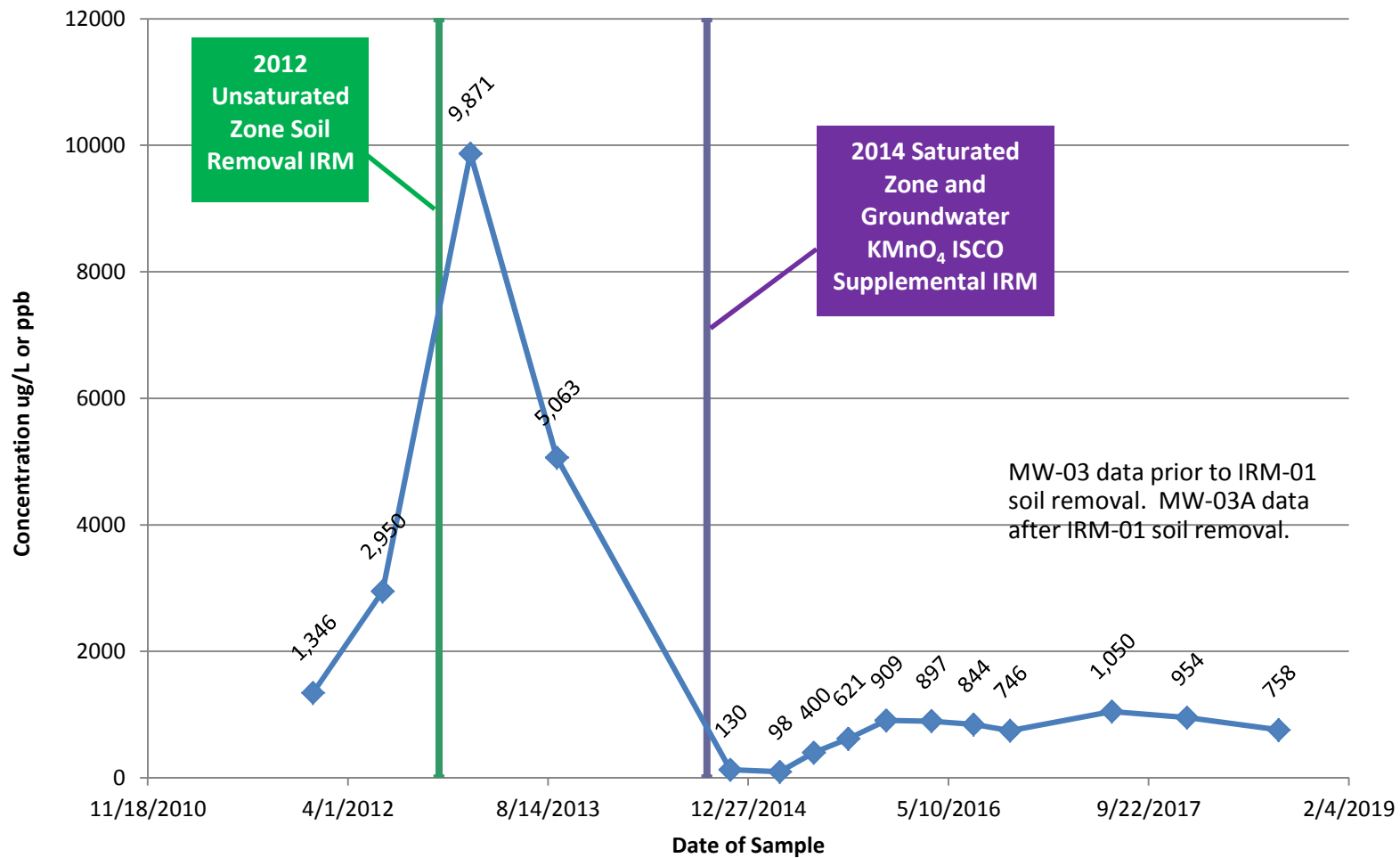
Graph A - Total PCE, TCE, DCE and VC In Groundwater at MW-01



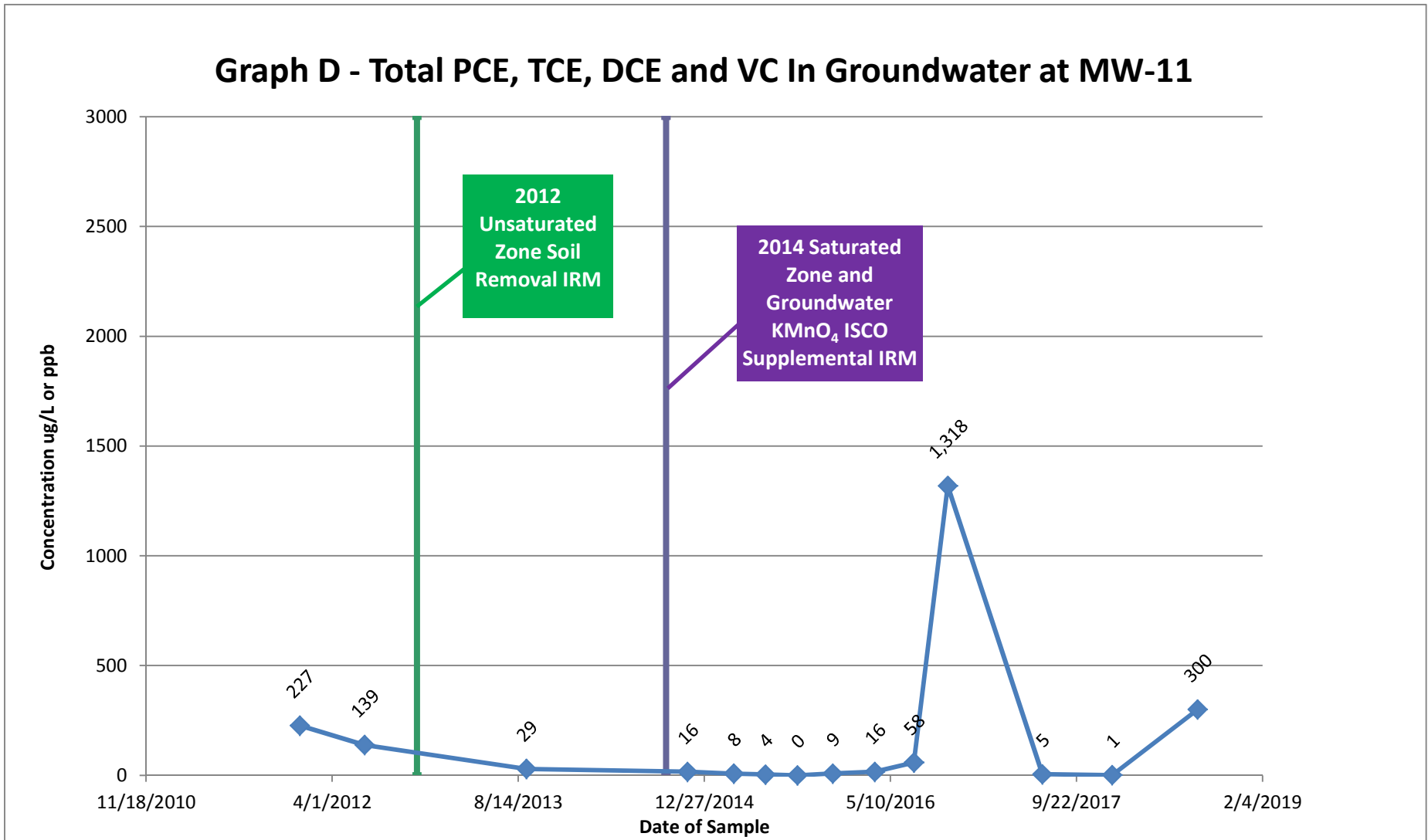
Graph B - Total PCE, TCE, DCE and VC In Groundwater at MW-02



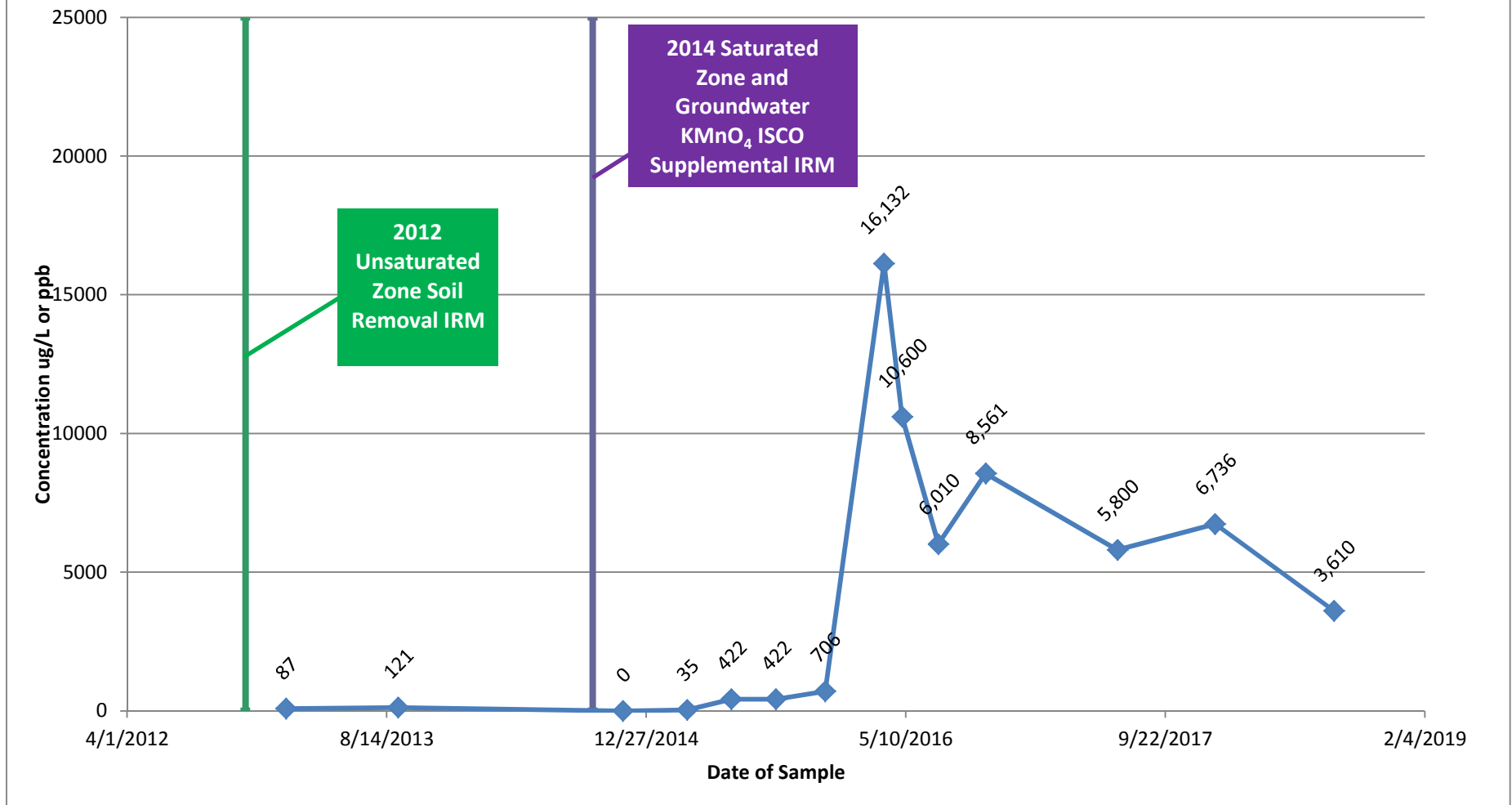
Graph C - Total PCE, TCE, DCE and VC In Groundwater at MW-03/MW-03A



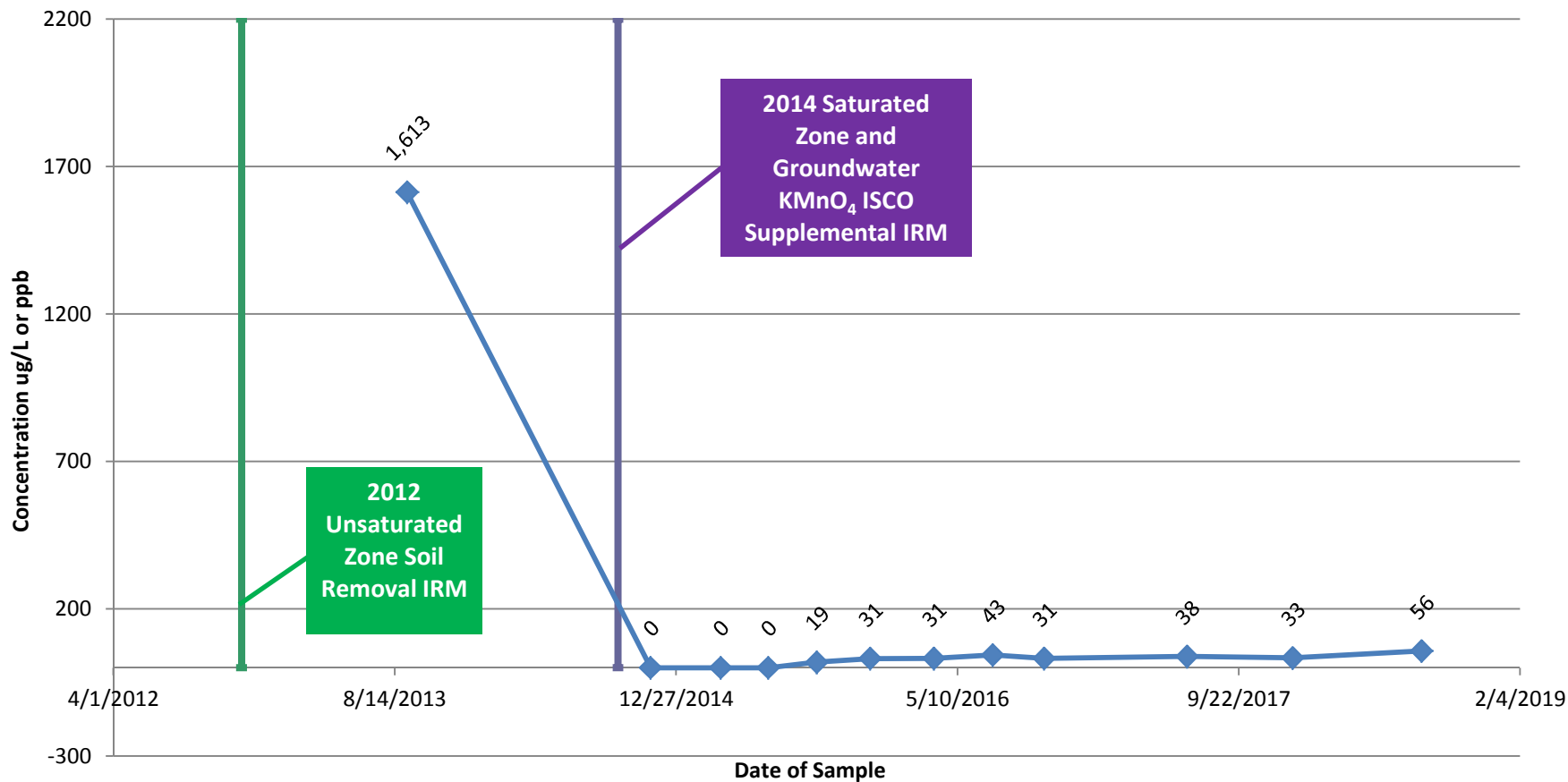
Graph D - Total PCE, TCE, DCE and VC In Groundwater at MW-11



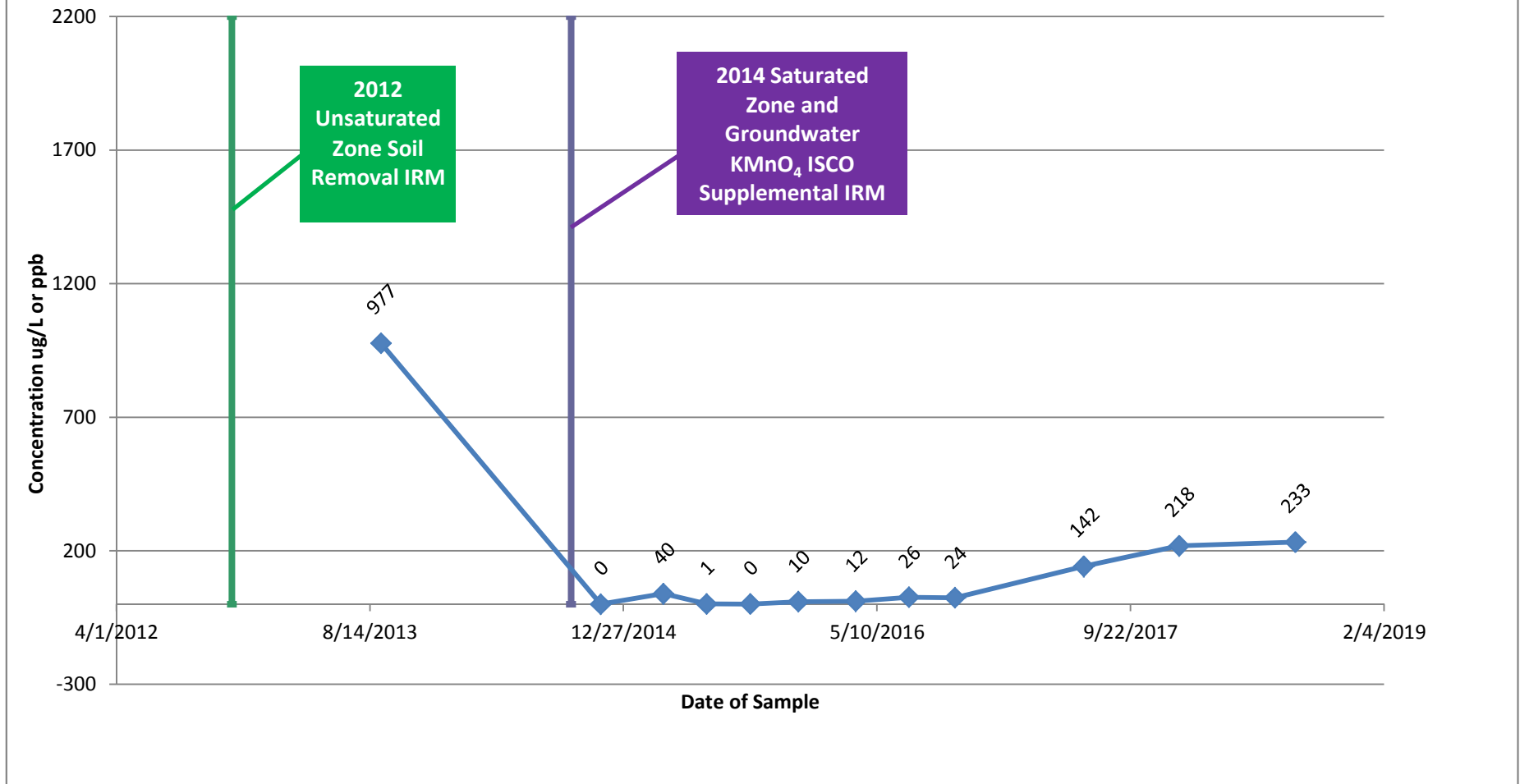
Graph E - Total PCE, TCE, DCE and VC In Groundwater at MW-17



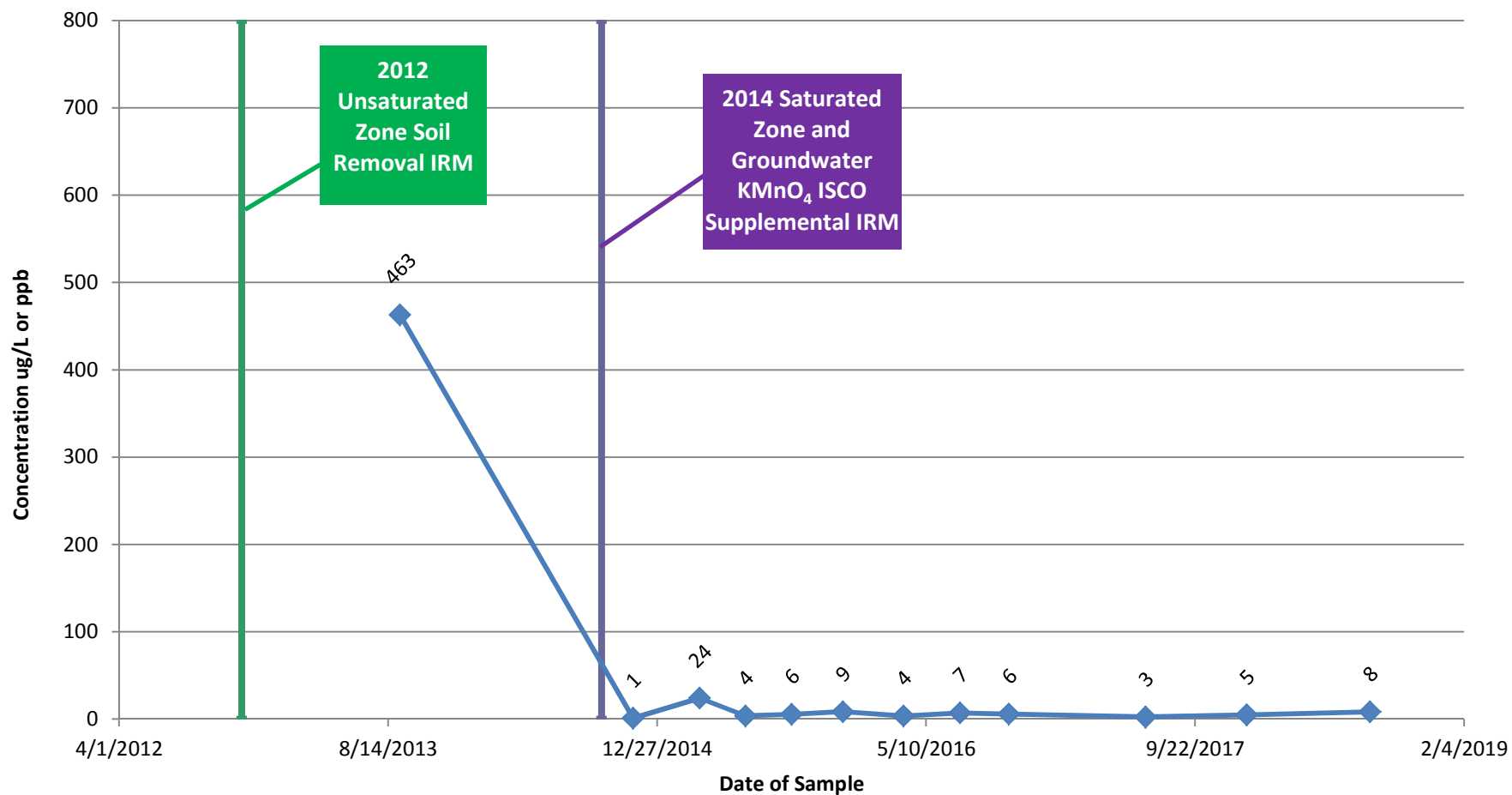
Graph F - Total PCE, TCE, DCE and VC In Groundwater at MW-18



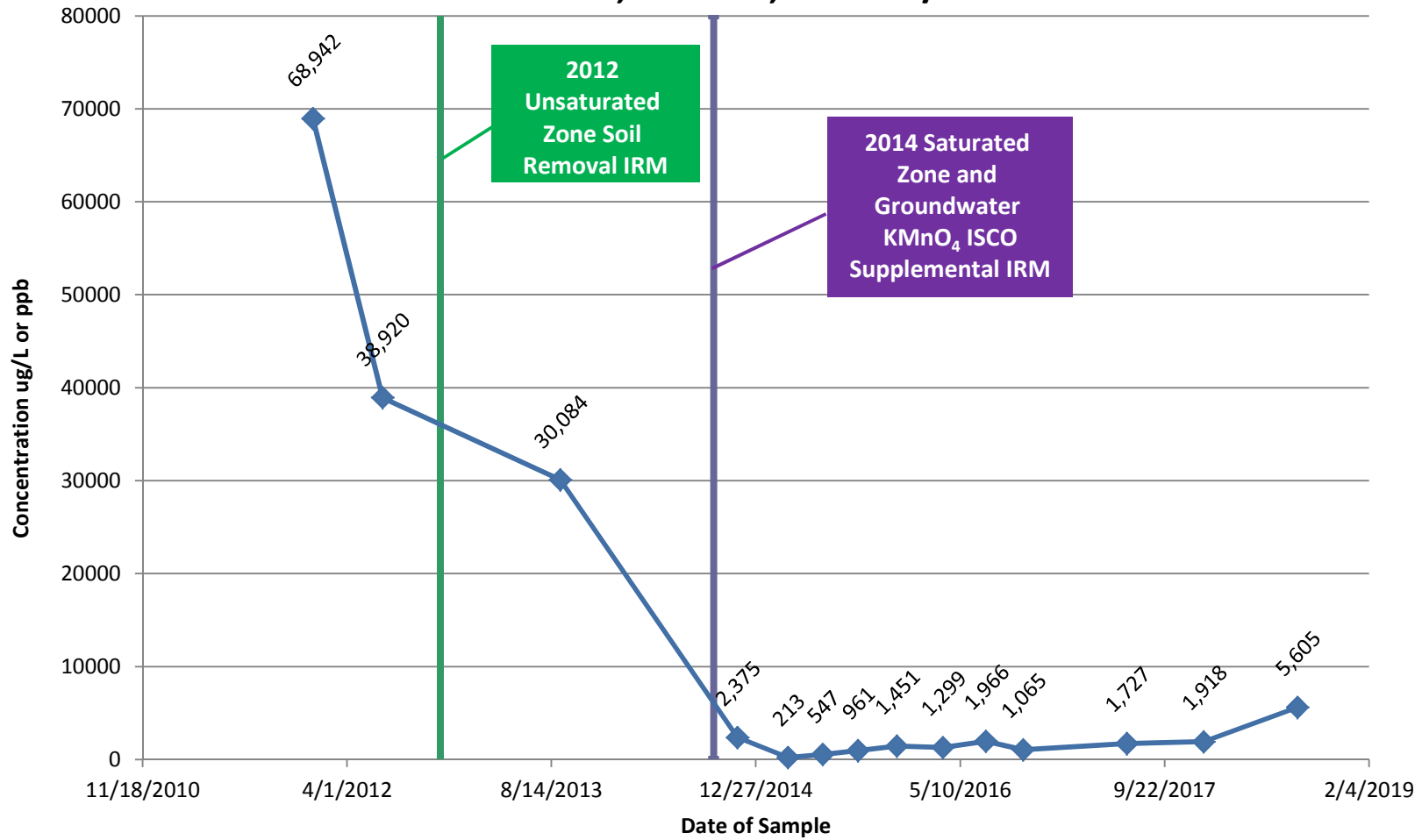
Graph G - Total PCE, TCE, DCE and VC In Groundwater at MW-19



Graph H - Total PCE, TCE, DCE and VC In Groundwater at MW-20



Graph I - Cumulative Total PCE, TCE, DCE and VC in Groundwater for Wells MW-01, MW-02, MW-03/MW-03A



**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : ANDREW ST. RI

**DAY ENVIRONMENTAL, INC.
Canalside Business Center, 1563 Lyell Avenue**

**Rochester, NY - 14606
Phone No: 585-454-0210**

**ORDER ID : I7090
ATTENTION : Jeff Danzinger**



DoD ELAP

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Cover Page

Order ID : I7090**Project ID :** Andrew St. RI**Client :** Day Environmental, Inc.**Lab Sample Number**

I7090-01
I7090-02
I7090-03
I7090-04
I7090-05
I7090-06
I7090-07
I7090-08
I7090-09
I7090-10
I7090-11
I7090-12
I7090-13
I7090-14
I7090-15
I7090-16
I7090-17
I7090-18

Client Sample Number

912-MW-01(23)
913-MW-02(23.8)
914-MW-03A(17)
915-MW-04(23)
916-MW-05(17)
917-MW-06(17)
918-MW-07(22.5)
I7090-07MS
I7090-07MSD
919-MW-11(15)
920-MW-15(17)
921-MW-16(22.5)
922-MW-17(15.5)
923-MW-18(21.5)
924-MW-19(28)
925-MW-20(22)
926-FB122717
927-TB127717

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 3:16 pm, Jan 10, 2018

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE**Day Environmental, Inc.****Project Name: Andrew St. RI****Project # N/A****Chemtech Project # I7090****Test Name: VOC-TCLVOA-10****A. Number of Samples and Date of Receipt:**

18 Water samples were received on 12/28/2017.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_U were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD recoveries met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 82U010318W.M) for Cyclohexane , this compound is passing on Linear regression .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

E. Additional Comments:

Samples 914-MW-03A(17), 922-MW-17(15.5) was diluted due to bad matrix.

Samples 912-MW-01(23), 924-MW-19(28) were diluted due to high concentrations.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes

APPROVED

By Mildred V Reyes, QAQC Supervisor at 3:16 pm, Jan 10, 2018

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: I7090

MATRIX: Water

METHOD: 8260-Low

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4. GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements. The %RSD is greater than 15% in the Initial Calibration (Method 82U010318W.M) for Cyclohexane , this compound is passing on Linear regression . The Continuous Calibration met the requirements .			✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9. Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10. Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

Samples 914-MW-03A(17), 922-MW-17(15.5) was diluted due to bad matrix.

Samples 912-MW-01(23), 924-MW-19(28) were diluted due to high concentrations.

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

REVIEWED

QA REVIEW

By Dhvani, Data Reviewer at 12:27 pm, Jan 10, 2018

Date

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APPENDIX A**QA REVIEW GENERAL DOCUMENTATION**

Project #: I7090

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page) ✓

Check chain-of-custody for proper relinquish/return of samples ✓

Is the chain of custody signed and complete ✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts ✓

Collect information for each project id from server. Were all requirements followed ✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page ✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody ✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results ✓

Do requested analyses on Chain of Custody agree with the log-in page ✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody ✓

Were the samples received within hold time ✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle ✓

ANALYTICAL:

Was method requirement followed? ✓

Was client requirement followed? ✓

Does the case narrative summarize all QC failure? ✓

All runlogs and manual integration are reviewed for requirements ✓

All manual calculations and /or hand notations verified ✓

1st Level QA Review Signature: MOHINI SONI

Date: 01/06/2018

2nd Level QA Review Signature: _____

Date: _____

REVIEWED

By Dhvani, Data Reviewer at 12:27 pm, Jan 10, 2018



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID: I7090	OrderDate: 12/28/2017 10:59:00 AM
Client: Day Environmental, Inc.	Project: Andrew St. RI
Contact: Jeff Danzinger	Location:

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
I7090-01	912-MW-01(23)	Water	VOC-TCLVOA-10	8260-Low	12/27/17		01/04/18	12/28/17
I7090-01DL	912-MW-01(23)DL	Water	VOC-TCLVOA-10	8260-Low	12/27/17		01/04/18	12/28/17
I7090-02	913-MW-02(23.8)	Water	VOC-TCLVOA-10	8260-Low	12/27/17		01/04/18	12/28/17
I7090-03	914-MW-03A(17)	Water	VOC-TCLVOA-10	8260-Low	12/27/17		01/04/18	12/28/17
I7090-04	915-MW-04(23)	Water	VOC-TCLVOA-10	8260-Low	12/27/17		01/04/18	12/28/17
I7090-05	916-MW-05(17)	Water	VOC-TCLVOA-10	8260-Low	12/27/17		01/04/18	12/28/17
I7090-06	917-MW-06(17)	Water	VOC-TCLVOA-10	8260-Low	12/27/17		01/04/18	12/28/17
I7090-07	918-MW-07(22.5)	Water	VOC-TCLVOA-10	8260-Low	12/27/17		01/04/18	12/28/17
I7090-10	919-MW-11(15)	Water	VOC-TCLVOA-10	8260-Low	12/27/17		01/04/18	12/28/17
I7090-11	920-MW-15(17)	Water	VOC-TCLVOA-10	8260-Low	12/27/17		01/04/18	12/28/17
I7090-12	921-MW-16(22.5)	Water	VOC-TCLVOA-10	8260-Low	12/27/17		01/04/18	12/28/17
I7090-13	922-MW-17(15.5)	Water	VOC-TCLVOA-10	8260-Low	12/27/17		01/04/18	12/28/17

LAB CHRONICLE

I7090-14	923-MW-18(21.5)	Water	VOC-TCLVOA-10	8260-Low	12/27/17	01/04/18	12/28/17
I7090-15	924-MW-19(28)	Water	VOC-TCLVOA-10	8260-Low	12/27/17	01/04/18	12/28/17
I7090-15DL	924-MW-19(28)DL	Water	VOC-TCLVOA-10	8260-Low	12/27/17	01/04/18	12/28/17
I7090-16	925-MW-20(22)	Water	VOC-TCLVOA-10	8260-Low	12/27/17	01/04/18	12/28/17
I7090-17	926-FB122717	Water	VOC-TCLVOA-10	8260-Low	12/27/17	01/04/18	12/28/17
I7090-18	927-TB127717	Water	VOC-TCLVOA-10	8260-Low	12/27/17	01/04/18	12/28/17

Hit Summary Sheet SW-846

 SDG No.: 17090

 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: 912-MW-01(23)									
I7090-01	912-MW-01(23)	Water	Acetone	6.30		0.5	1	5	ug/L
I7090-01	912-MW-01(23)	Water	trans-1,2-Dichloroethene	2.00		0.2	0.2	1	ug/L
I7090-01	912-MW-01(23)	Water	cis-1,2-Dichloroethene	120.00		0.2	0.2	1	ug/L
I7090-01	912-MW-01(23)	Water	Trichloroethene	120.00		0.2	0.2	1	ug/L
I7090-01	912-MW-01(23)	Water	Tetrachloroethene	600.00	E	0.2	0.2	1	ug/L
Total Voc :				848.3					
Total Concentration:				848.3					
Client ID: 912-MW-01(23)DL									
I7090-01DL	912-MW-01(23)DL	Water	cis-1,2-Dichloroethene	110.00	D	1	1	5	ug/L
I7090-01DL	912-MW-01(23)DL	Water	Trichloroethene	110.00	D	1	1	5	ug/L
I7090-01DL	912-MW-01(23)DL	Water	Tetrachloroethene	570.00	D	1	1	5	ug/L
Total Voc :				790					
Total Concentration:				790					
Client ID: 913-MW-02(23.8)									
I7090-02	913-MW-02(23.8)	Water	Acetone	6.10		0.5	1	5	ug/L
I7090-02	913-MW-02(23.8)	Water	trans-1,2-Dichloroethene	1.80		0.2	0.2	1	ug/L
I7090-02	913-MW-02(23.8)	Water	cis-1,2-Dichloroethene	34.40		0.2	0.2	1	ug/L
I7090-02	913-MW-02(23.8)	Water	Trichloroethene	42.90		0.2	0.2	1	ug/L
I7090-02	913-MW-02(23.8)	Water	Tetrachloroethene	73.20		0.2	0.2	1	ug/L
Total Voc :				158.4					
I7090-02	913-MW-02(23.8)	Water	trans-1,4-Dichloro-2-butene	* 69.70	J	0.2		1	ug/L
Total Tics :				69.7					
Total Concentration:				228.1					
Client ID: 914-MW-03A(17)									
I7090-03	914-MW-03A(17)	Water	Vinyl Chloride	3.50	J	2	2	10	ug/L
I7090-03	914-MW-03A(17)	Water	cis-1,2-Dichloroethene	140.00		2	2	10	ug/L
I7090-03	914-MW-03A(17)	Water	Trichloroethene	100.00		2	2	10	ug/L
I7090-03	914-MW-03A(17)	Water	Tetrachloroethene	710.00		2	2	10	ug/L
Total Voc :				953.5					
Total Concentration:				953.5					
Client ID: 915-MW-04(23)									
I7090-04	915-MW-04(23)	Water	Acetone	4.80	J	0.5	1	5	ug/L
I7090-04	915-MW-04(23)	Water	Tetrachloroethene	0.29	J	0.2	0.2	1	ug/L
Total Voc :				5.09					
Total Concentration:				5.09					
Client ID: 916-MW-05(17)									
I7090-05	916-MW-05(17)	Water	Acetone	6.10		0.5	1	5	ug/L
I7090-05	916-MW-05(17)	Water	Trichloroethene	0.94	J	0.2	0.2	1	ug/L
I7090-05	916-MW-05(17)	Water	Tetrachloroethene	64.20		0.2	0.2	1	ug/L

Hit Summary Sheet SW-846

SDG No.: 17090
 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Voc :				71.24					
Total Concentration:				71.24					
Client ID:	917-MW-06(17)								
I7090-06	917-MW-06(17)	Water	Trichloroethene	0.30	J	0.2	0.2	1	ug/L
I7090-06	917-MW-06(17)	Water	Tetrachloroethene	9.00		0.2	0.2	1	ug/L
Total Voc :				9.3					
Total Concentration:				9.3					
Client ID:	918-MW-07(22.5)								
I7090-07	918-MW-07(22.5)	Water	Acetone	6.00		0.5	1	5	ug/L
I7090-07	918-MW-07(22.5)	Water	Tetrachloroethene	3.60		0.2	0.2	1	ug/L
Total Voc :				9.6					
Total Concentration:				9.6					
Client ID:	919-MW-11(15)								
I7090-10	919-MW-11(15)	Water	Tetrachloroethene	0.94	J	0.2	0.2	1	ug/L
Total Voc :				0.94					
Total Concentration:				0.94					
Client ID:	920-MW-15(17)								
I7090-11	920-MW-15(17)	Water	Acetone	5.30		0.5	1	5	ug/L
Total Voc :				5.3					
Total Concentration:				5.3					
Client ID:	921-MW-16(22.5)								
I7090-12	921-MW-16(22.5)	Water	Acetone	6.50		0.5	1	5	ug/L
I7090-12	921-MW-16(22.5)	Water	cis-1,2-Dichloroethene	8.30		0.2	0.2	1	ug/L
I7090-12	921-MW-16(22.5)	Water	Trichloroethene	0.91	J	0.2	0.2	1	ug/L
I7090-12	921-MW-16(22.5)	Water	Tetrachloroethene	3.00		0.2	0.2	1	ug/L
Total Voc :				18.71					
Total Concentration:				18.71					
Client ID:	922-MW-17(15.5)								
I7090-13	922-MW-17(15.5)	Water	cis-1,2-Dichloroethene	57.00	J	20	20	100	ug/L
I7090-13	922-MW-17(15.5)	Water	Trichloroethene	79.00	J	20	20	100	ug/L
I7090-13	922-MW-17(15.5)	Water	Tetrachloroethene	6,600.00		20	20	100	ug/L
Total Voc :				6736					
Total Concentration:				6736					
Client ID:	923-MW-18(21.5)								
I7090-14	923-MW-18(21.5)	Water	Acetone	4.00	J	0.5	1	5	ug/L
I7090-14	923-MW-18(21.5)	Water	cis-1,2-Dichloroethene	4.50		0.2	0.2	1	ug/L
I7090-14	923-MW-18(21.5)	Water	Trichloroethene	3.70		0.2	0.2	1	ug/L
I7090-14	923-MW-18(21.5)	Water	Tetrachloroethene	25.00		0.2	0.2	1	ug/L
Total Voc :				37.2					
Total Concentration:				37.2					
Client ID:	924-MW-19(28)								

Hit Summary Sheet SW-846

SDG No.: 17090
 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
I7090-15	924-MW-19(28)	Water	Acetone	5.30		0.5	1	5	ug/L
I7090-15	924-MW-19(28)	Water	trans-1,2-Dichloroethene	0.77	J	0.2	0.2	1	ug/L
I7090-15	924-MW-19(28)	Water	cis-1,2-Dichloroethene	32.00		0.2	0.2	1	ug/L
I7090-15	924-MW-19(28)	Water	Trichloroethene	35.60		0.2	0.2	1	ug/L
I7090-15	924-MW-19(28)	Water	Tetrachloroethene	160.00	E	0.2	0.2	1	ug/L
Total Voc :				233.67					
Total Concentration:				233.67					
Client ID:	924-MW-19(28)DL								
I7090-15DL	924-MW-19(28)DL	Water	cis-1,2-Dichloroethene	31.00	D	1	1	5	ug/L
I7090-15DL	924-MW-19(28)DL	Water	Trichloroethene	34.00	D	1	1	5	ug/L
I7090-15DL	924-MW-19(28)DL	Water	Tetrachloroethene	150.00	D	1	1	5	ug/L
Total Voc :				215					
Total Concentration:				215					
Client ID:	925-MW-20(22)								
I7090-16	925-MW-20(22)	Water	Acetone	5.50		0.5	1	5	ug/L
I7090-16	925-MW-20(22)	Water	cis-1,2-Dichloroethene	0.85	J	0.2	0.2	1	ug/L
I7090-16	925-MW-20(22)	Water	Trichloroethene	2.70		0.2	0.2	1	ug/L
I7090-16	925-MW-20(22)	Water	Tetrachloroethene	1.30		0.2	0.2	1	ug/L
Total Voc :				10.35					
Total Concentration:				10.35					
Client ID:	926-FB122717								
I7090-17	926-FB122717	Water	Acetone	7.70		0.5	1	5	ug/L
Total Voc :				7.7					
Total Concentration:				7.7					

QC
SUMMARY

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Surrogate Summary

 SDG No.: I7090

 Client: Day Environmental, Inc.

 Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
I7090-01	912-MW-01(23)	1,2-Dichloroethane-d4	50	51.51	103	61	141
		Dibromofluoromethane	50	47.63	95	69	133
		Toluene-d8	50	50.61	101	65	126
		4-Bromofluorobenzene	50	42.21	84	58	135
I7090-01DL	912-MW-01(23)DL	1,2-Dichloroethane-d4	50	50.79	102	61	141
		Dibromofluoromethane	50	48.17	96	69	133
		Toluene-d8	50	50.82	102	65	126
		4-Bromofluorobenzene	50	41.83	84	58	135
I7090-02	913-MW-02(23.8)	1,2-Dichloroethane-d4	50	54.7	109	61	141
		Dibromofluoromethane	50	51.47	103	69	133
		Toluene-d8	50	56.53	113	65	126
		4-Bromofluorobenzene	50	49.67	99	58	135
I7090-03	914-MW-03A(17)	1,2-Dichloroethane-d4	50	53.14	106	61	141
		Dibromofluoromethane	50	50.34	101	69	133
		Toluene-d8	50	52.79	106	65	126
		4-Bromofluorobenzene	50	43.94	88	58	135
I7090-04	915-MW-04(23)	1,2-Dichloroethane-d4	50	51.18	102	61	141
		Dibromofluoromethane	50	47.56	95	69	133
		Toluene-d8	50	51.08	102	65	126
		4-Bromofluorobenzene	50	45.42	91	58	135
I7090-05	916-MW-05(17)	1,2-Dichloroethane-d4	50	52.02	104	61	141
		Dibromofluoromethane	50	48.76	98	69	133
		Toluene-d8	50	52.3	105	65	126
		4-Bromofluorobenzene	50	46.55	93	58	135
I7090-06	917-MW-06(17)	1,2-Dichloroethane-d4	50	55.74	111	61	141
		Dibromofluoromethane	50	51	102	69	133
		Toluene-d8	50	54.01	108	65	126
		4-Bromofluorobenzene	50	46.04	92	58	135
I7090-07	918-MW-07(22.5)	1,2-Dichloroethane-d4	50	52.86	106	61	141
		Dibromofluoromethane	50	48.02	96	69	133
		Toluene-d8	50	51.8	104	65	126
		4-Bromofluorobenzene	50	43.49	87	58	135
I7090-08MS	918-MW-07(22.5)MS	1,2-Dichloroethane-d4	50	55.65	111	61	141
		Dibromofluoromethane	50	52.28	105	69	133
		Toluene-d8	50	56.55	113	65	126
		4-Bromofluorobenzene	50	50.4	101	58	135
I7090-09MSD	918-MW-07(22.5)MSD	1,2-Dichloroethane-d4	50	50.03	100	61	141
		Dibromofluoromethane	50	48.09	96	69	133
		Toluene-d8	50	51.14	102	65	126
		4-Bromofluorobenzene	50	44.95	90	58	135
I7090-10	919-MW-11(15)	1,2-Dichloroethane-d4	50	53.79	108	61	141
		Dibromofluoromethane	50	49.52	99	69	133
		Toluene-d8	50	52.81	106	65	126
		4-Bromofluorobenzene	50	44.4	89	58	135
I7090-11	920-MW-15(17)	1,2-Dichloroethane-d4	50	54.26	109	61	141
		Dibromofluoromethane	50	51	102	69	133
		Toluene-d8	50	53.78	108	65	126
		4-Bromofluorobenzene	50	44.57	89	58	135
I7090-12	921-MW-16(22.5)	1,2-Dichloroethane-d4	50	51.41	103	61	141
		Dibromofluoromethane	50	47.68	95	69	133
		Toluene-d8	50	50.66	101	65	126
		4-Bromofluorobenzene	50	42.26	85	58	135

Surrogate Summary

 SDG No.: I7090

 Client: Day Environmental, Inc.

 Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
I7090-13	922-MW-17(15.5)	1,2-Dichloroethane-d4	50	53.91	108	61	141
		Dibromofluoromethane	50	50.54	101	69	133
		Toluene-d8	50	52.91	106	65	126
		4-Bromofluorobenzene	50	43.61	87	58	135
I7090-14	923-MW-18(21.5)	1,2-Dichloroethane-d4	50	53.8	108	61	141
		Dibromofluoromethane	50	49.31	99	69	133
		Toluene-d8	50	52.52	105	65	126
		4-Bromofluorobenzene	50	43.28	87	58	135
I7090-15	924-MW-19(28)	1,2-Dichloroethane-d4	50	55.23	110	61	141
		Dibromofluoromethane	50	50.31	101	69	133
		Toluene-d8	50	53.71	107	65	126
		4-Bromofluorobenzene	50	44.18	88	58	135
I7090-15DL	924-MW-19(28)DL	1,2-Dichloroethane-d4	50	51.42	103	61	141
		Dibromofluoromethane	50	48.14	96	69	133
		Toluene-d8	50	50.92	102	65	126
		4-Bromofluorobenzene	50	41.33	83	58	135
I7090-16	925-MW-20(22)	1,2-Dichloroethane-d4	50	51.34	103	61	141
		Dibromofluoromethane	50	47.31	95	69	133
		Toluene-d8	50	51.02	102	65	126
		4-Bromofluorobenzene	50	41.62	83	58	135
I7090-17	926-FB122717	1,2-Dichloroethane-d4	50	53.11	106	61	141
		Dibromofluoromethane	50	50.86	102	69	133
		Toluene-d8	50	55.07	110	65	126
		4-Bromofluorobenzene	50	48.85	98	58	135
I7090-18	927-TB127717	1,2-Dichloroethane-d4	50	49.99	100	61	141
		Dibromofluoromethane	50	47.37	95	69	133
		Toluene-d8	50	51.32	103	65	126
		4-Bromofluorobenzene	50	45.63	91	58	135
VU0104WBL01	VU0104WBL01	1,2-Dichloroethane-d4	50	50.56	101	61	141
		Dibromofluoromethane	50	49.73	99	69	133
		Toluene-d8	50	54.03	108	65	126
		4-Bromofluorobenzene	50	47.87	96	58	135
VU0104WBS01	VU0104WBS01	1,2-Dichloroethane-d4	50	49.41	99	61	141
		Dibromofluoromethane	50	48.87	98	69	133
		Toluene-d8	50	53.05	106	65	126
		4-Bromofluorobenzene	50	47.87	96	58	135

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: I7090

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	I7090-08MS	Client Sample ID :	918-MW-07(22.5)MS					Datafile :	VU021485.D			
Dichlorodifluoromethane	50	0	49.7	ug/L	99				47	161		
Chloromethane	50	0	50.5	ug/L	101				53	157		
Vinyl chloride	50	0	52.7	ug/L	105				57	149		
Bromomethane	50	0	51.8	ug/L	104				45	165		
Chloroethane	50	0	55.8	ug/L	112				47	166		
Trichlorofluoromethane	50	0	53.7	ug/L	107				51	165		
1,1,2-Trichlorotrifluoroethane	50	0	51.7	ug/L	103				61	145		
1,1-Dichloroethene	50	0	53.4	ug/L	107				55	148		
Acetone	250	6	210	ug/L	82				11	159		
Carbon disulfide	50	0	48.6	ug/L	97				13	149		
Methyl tert-butyl Ether	50	0	53.7	ug/L	107				60	145		
Methyl Acetate	50	0	52.9	ug/L	106				27	167		
Methylene Chloride	50	0	53.1	ug/L	106				56	146		
trans-1,2-Dichloroethene	50	0	53	ug/L	106				60	141		
1,1-Dichloroethane	50	0	53.1	ug/L	106				61	144		
Cyclohexane	50	0	52.8	ug/L	106				57	142		
2-Butanone	250	0	250	ug/L	100				42	145		
Carbon Tetrachloride	50	0	52.5	ug/L	105				60	140		
cis-1,2-Dichloroethene	50	0	52.3	ug/L	105				48	156		
Bromochloromethane	50	0	52.9	ug/L	106				59	146		
Chloroform	50	0	54.5	ug/L	109				63	140		
1,1,1-Trichloroethane	50	0	53.2	ug/L	106				65	140		
Methylcyclohexane	50	0	50	ug/L	100				62	128		
Benzene	50	0	52.2	ug/L	104				62	134		
1,2-Dichloroethane	50	0	52.4	ug/L	105				67	136		
Trichloroethene	50	0	49.9	ug/L	100				64	131		
1,2-Dichloropropane	50	0	52.1	ug/L	104				69	130		
Bromodichloromethane	50	0	53	ug/L	106				66	132		
4-Methyl-2-Pentanone	250	0	270	ug/L	108				57	148		
Toluene	50	0	52.3	ug/L	105				68	129		
t-1,3-Dichloropropene	50	0	51.6	ug/L	103				54	136		
cis-1,3-Dichloropropene	50	0	52	ug/L	104				56	133		
1,1,2-Trichloroethane	50	0	53.8	ug/L	108				68	134		
2-Hexanone	250	0	260	ug/L	104				46	158		
Dibromochloromethane	50	0	54	ug/L	108				59	136		
1,2-Dibromoethane	50	0	53.6	ug/L	107				65	138		
Tetrachloroethene	50	3.6	53.3	ug/L	99				29	137		
Chlorobenzene	50	0	51.2	ug/L	102				68	126		
Ethyl Benzene	50	0	52.1	ug/L	104				61	131		
m/p-Xylenes	100	0	100	ug/L	100				64	125		
o-Xylene	50	0	53.1	ug/L	106				65	126		
Styrene	50	0	52.4	ug/L	105				40	140		
Bromoform	50	0	52.3	ug/L	105				42	134		
Isopropylbenzene	50	0	54.3	ug/L	109				58	132		
1,1,2,2-Tetrachloroethane	50	0	56.2	ug/L	112				61	136		
1,3-Dichlorobenzene	50	0	51.3	ug/L	103				63	125		
1,4-Dichlorobenzene	50	0	50.3	ug/L	101				64	124		

**Matrix Spike/Matrix Spike Duplicate Summary
SW-846**SDG No.: I7090Client: Day Environmental, Inc.Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
1,2-Dichlorobenzene	50	0	52.8	ug/L	106				64	126		
1,2-Dibromo-3-Chloropropane	50	0	55.6	ug/L	111				57	139		
1,2,4-Trichlorobenzene	50	0	50.3	ug/L	101				57	130		
1,2,3-Trichlorobenzene	50	0	51.5	ug/L	103				57	131		

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: I7090

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	I7090-09MSD	Client Sample ID :	918-MW-07(22.5)MSD					Datafile :	VU021486.D			
Dichlorodifluoromethane	50	0	47.1	ug/L	94		5		47	161	20	
Chloromethane	50	0	48.6	ug/L	97		4		53	157	20	
Vinyl chloride	50	0	50.1	ug/L	100		5		57	149	20	
Bromomethane	50	0	48.2	ug/L	96		7		45	165	20	
Chloroethane	50	0	52.7	ug/L	105		6		47	166	20	
Trichlorofluoromethane	50	0	50.5	ug/L	101		6		51	165	20	
1,1,2-Trichlorotrifluoroethane	50	0	48.3	ug/L	97		7		61	145	20	
1,1-Dichloroethene	50	0	50.7	ug/L	101		5		55	148	20	
Acetone	250	6	200	ug/L	78		5		11	159	20	
Carbon disulfide	50	0	47.7	ug/L	95		2		13	149	20	
Methyl tert-butyl Ether	50	0	51.1	ug/L	102		5		60	145	20	
Methyl Acetate	50	0	49.2	ug/L	98		7		27	167	20	
Methylene Chloride	50	0	50.4	ug/L	101		5		56	146	20	
trans-1,2-Dichloroethene	50	0	50.2	ug/L	100		5		60	141	20	
1,1-Dichloroethane	50	0	50.6	ug/L	101		5		61	144	20	
Cyclohexane	50	0	50.1	ug/L	100		5		57	142	20	
2-Butanone	250	0	230	ug/L	92		8		42	145	20	
Carbon Tetrachloride	50	0	49.5	ug/L	99		6		60	140	20	
cis-1,2-Dichloroethene	50	0	49.6	ug/L	99		5		48	156	20	
Bromochloromethane	50	0	51.2	ug/L	102		3		59	146	20	
Chloroform	50	0	51.4	ug/L	103		6		63	140	20	
1,1,1-Trichloroethane	50	0	50.7	ug/L	101		5		65	140	20	
Methylcyclohexane	50	0	46.7	ug/L	93		7		62	128	20	
Benzene	50	0	49.6	ug/L	99		5		62	134	20	
1,2-Dichloroethane	50	0	49.4	ug/L	99		6		67	136	20	
Trichloroethene	50	0	47.3	ug/L	95		5		64	131	20	
1,2-Dichloropropane	50	0	49.1	ug/L	98		6		69	130	20	
Bromodichloromethane	50	0	50.3	ug/L	101		5		66	132	20	
4-Methyl-2-Pentanone	250	0	250	ug/L	100		8		57	148	20	
Toluene	50	0	49.4	ug/L	99		6		68	129	20	
t-1,3-Dichloropropene	50	0	48.9	ug/L	98		5		54	136	20	
cis-1,3-Dichloropropene	50	0	49.6	ug/L	99		5		56	133	20	
1,1,2-Trichloroethane	50	0	50.3	ug/L	101		7		68	134	20	
2-Hexanone	250	0	240	ug/L	96		8		46	158	20	
Dibromochloromethane	50	0	50.9	ug/L	102		6		59	136	20	
1,2-Dibromoethane	50	0	50.7	ug/L	101		6		65	138	20	
Tetrachloroethene	50	3.6	50.7	ug/L	94		5		29	137	20	
Chlorobenzene	50	0	49	ug/L	98		4		68	126	20	
Ethyl Benzene	50	0	49.5	ug/L	99		5		61	131	20	
m/p-Xylenes	100	0	98.7	ug/L	99		1		64	125	20	
o-Xylene	50	0	50.4	ug/L	101		5		65	126	20	
Styrene	50	0	49.9	ug/L	100		5		40	140	20	
Bromoform	50	0	49.1	ug/L	98		6		42	134	20	
Isopropylbenzene	50	0	51.3	ug/L	103		6		58	132	20	
1,1,2,2-Tetrachloroethane	50	0	52.8	ug/L	106		6		61	136	20	
1,3-Dichlorobenzene	50	0	49.7	ug/L	99		3		63	125	20	
1,4-Dichlorobenzene	50	0	48.4	ug/L	97		4		64	124	20	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: I7090

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
1,2-Dichlorobenzene	50	0	50	ug/L	100		5		64	126	20	
1,2-Dibromo-3-Chloropropane	50	0	52.7	ug/L	105		5		57	139	20	
1,2,4-Trichlorobenzene	50	0	49.3	ug/L	99		2		57	130	20	
1,2,3-Trichlorobenzene	50	0	50.4	ug/L	101		2		57	131	20	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: I7090

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VU021466.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VU0104WBS01	Dichlorodifluoromethane	20	18.3	ug/L	92			46	139	
	Chloromethane	20	18.6	ug/L	93			58	139	
	Vinyl chloride	20	19	ug/L	95			65	137	
	Bromomethane	20	18.8	ug/L	94			50	162	
	Chloroethane	20	19.9	ug/L	100			54	160	
	Trichlorofluoromethane	20	19	ug/L	95			67	143	
	1,1,2-Trichlorotrifluoroethane	20	19	ug/L	95			71	136	
	1,1-Dichloroethene	20	19.3	ug/L	97			69	134	
	Acetone	100	100	ug/L	100			41	181	
	Carbon disulfide	20	18.2	ug/L	91			63	138	
	Methyl tert-butyl Ether	20	19.1	ug/L	96			72	136	
	Methyl Acetate	20	19.6	ug/L	98			51	158	
	Methylene Chloride	20	18.9	ug/L	95			67	138	
	trans-1,2-Dichloroethene	20	19.1	ug/L	96			72	132	
	1,1-Dichloroethane	20	18.8	ug/L	94			74	135	
	Cyclohexane	20	19	ug/L	95			67	132	
	2-Butanone	100	99.3	ug/L	99			64	146	
	Carbon Tetrachloride	20	19	ug/L	95			71	134	
	cis-1,2-Dichloroethene	20	19	ug/L	95			74	130	
	Bromochloromethane	20	19.4	ug/L	97			71	136	
	Chloroform	20	19.2	ug/L	96			74	134	
	1,1,1-Trichloroethane	20	18.9	ug/L	95			74	133	
	Methylcyclohexane	20	19.8	ug/L	99			71	125	
	Benzene	20	19.3	ug/L	97			75	125	
	1,2-Dichloroethane	20	19.4	ug/L	97			76	130	
	Trichloroethene	20	19.3	ug/L	97			73	127	
	1,2-Dichloropropane	20	19.1	ug/L	96			76	125	
	Bromodichloromethane	20	19.5	ug/L	98			78	127	
	4-Methyl-2-Pentanone	100	99.4	ug/L	99			71	140	
	Toluene	20	19.5	ug/L	98			74	125	
	t-1,3-Dichloropropene	20	19.4	ug/L	97			74	131	
	cis-1,3-Dichloropropene	20	19.7	ug/L	99			74	128	
	1,1,2-Trichloroethane	20	19.4	ug/L	97			75	129	
	2-Hexanone	100	99.3	ug/L	99			62	153	
	Dibromochloromethane	20	19.1	ug/L	96			74	131	
	1,2-Dibromoethane	20	19.7	ug/L	99			74	129	
	Tetrachloroethene	20	19.4	ug/L	97			46	157	
	Chlorobenzene	20	19.2	ug/L	96			76	123	
	Ethyl Benzene	20	19.5	ug/L	98			75	126	
	m/p-Xylenes	40	39.1	ug/L	98			74	126	
	o-Xylene	20	19.6	ug/L	98			73	127	
	Styrene	20	19.7	ug/L	99			75	126	
	Bromoform	20	18.5	ug/L	93			66	130	
	Isopropylbenzene	20	19.6	ug/L	98			70	127	
	1,1,2,2-Tetrachloroethane	20	19.6	ug/L	98			66	131	
	1,3-Dichlorobenzene	20	19.6	ug/L	98			70	125	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			71	124	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			71	126	
	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96			62	134	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary SW-846

SDG No.: I7090

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VU021466.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VU0104WBS01	1,2,4-Trichlorobenzene	20	19.4	ug/L	97			62	129	
	1,2,3-Trichlorobenzene	20	19.6	ug/L	98			58	130	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VU0104WBL01

Lab Name: CHEMTECH

Contract: DAYE01

Lab Code: CHEM Case No.: I7090

SAS No.: I7090 SDG NO.: I7090

Lab File ID: VU021465.D

Lab Sample ID: VU0104WBL01

Date Analyzed: 01/04/2018

Time Analyzed: 11:36

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_U

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VU0104WBS01	VU0104WBS01	VU021466.D	01/04/2018
926-FB122717	I7090-17	VU021467.D	01/04/2018
927-TB127717	I7090-18	VU021468.D	01/04/2018
913-MW-02 (23.8)	I7090-02	VU021469.D	01/04/2018
915-MW-04 (23)	I7090-04	VU021470.D	01/04/2018
916-MW-05 (17)	I7090-05	VU021471.D	01/04/2018
917-MW-06 (17)	I7090-06	VU021472.D	01/04/2018
918-MW-07 (22.5)	I7090-07	VU021473.D	01/04/2018
919-MW-11 (15)	I7090-10	VU021474.D	01/04/2018
920-MW-15 (17)	I7090-11	VU021475.D	01/04/2018
921-MW-16 (22.5)	I7090-12	VU021476.D	01/04/2018
923-MW-18 (21.5)	I7090-14	VU021477.D	01/04/2018
925-MW-20 (22)	I7090-16	VU021478.D	01/04/2018
914-MW-03A (17)	I7090-03	VU021479.D	01/04/2018
922-MW-17 (15.5)	I7090-13	VU021480.D	01/04/2018
912-MW-01 (23)	I7090-01	VU021481.D	01/04/2018
912-MW-01 (23) DL	I7090-01DL	VU021482.D	01/04/2018
924-MW-19 (28)	I7090-15	VU021483.D	01/04/2018
924-MW-19 (28) DL	I7090-15DL	VU021484.D	01/04/2018
918-MW-07 (22.5) MS	I7090-08MS	VU021485.D	01/04/2018
918-MW-07 (22.5) MSD	I7090-09MSD	VU021486.D	01/04/2018

COMMENTS: _____



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: I7090 SAS No.: I7090 SDG NO.: I7090
 Lab File ID: VU021439.D BFB Injection Date: 01/03/2018
 Instrument ID: MSVOA_U BFB Injection Time: 12:23
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17
75	30.0 - 60.0% of mass 95	46.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.7 (0.7) 1
174	50.0 - 100.0% of mass 95	91.3
175	5.0 - 9.0% of mass 174	6.2 (6.8) 1
176	95.0 - 101.0% of mass 174	89.8 (98.4) 1
177	5.0 - 9.0% of mass 176	5.6 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VU021440.D	01/03/2018	12:54
VSTDIC005	VSTDIC005	VU021441.D	01/03/2018	13:21
VSTDIC020	VSTDIC020	VU021442.D	01/03/2018	13:49
VSTDIC050	VSTDIC050	VU021443.D	01/03/2018	14:15
VSTDIC100	VSTDIC100	VU021444.D	01/03/2018	14:42
VSTDIC150	VSTDIC150	VU021445.D	01/03/2018	15:08



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: I7090 SAS No.: I7090 SDG NO.: I7090
 Lab File ID: VU021463.D BFB Injection Date: 01/04/2018
 Instrument ID: MSVOA_U BFB Injection Time: 09:58
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.7
75	30.0 - 60.0% of mass 95	48.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 100.0% of mass 95	94.2
175	5.0 - 9.0% of mass 174	6.4 (6.8) 1
176	95.0 - 101.0% of mass 174	91.2 (96.8) 1
177	5.0 - 9.0% of mass 176	5.7 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VU021464.D	01/04/2018	10:35
VU0104WBL01	VU0104WBL01	VU021465.D	01/04/2018	11:36
VU0104WBS01	VU0104WBS01	VU021466.D	01/04/2018	12:03
926-FB122717	I7090-17	VU021467.D	01/04/2018	12:30
927-TB127717	I7090-18	VU021468.D	01/04/2018	12:57
913-MW-02 (23.8)	I7090-02	VU021469.D	01/04/2018	13:24
915-MW-04 (23)	I7090-04	VU021470.D	01/04/2018	13:51
916-MW-05 (17)	I7090-05	VU021471.D	01/04/2018	14:18
917-MW-06 (17)	I7090-06	VU021472.D	01/04/2018	14:44
918-MW-07 (22.5)	I7090-07	VU021473.D	01/04/2018	15:11
919-MW-11 (15)	I7090-10	VU021474.D	01/04/2018	15:38
920-MW-15 (17)	I7090-11	VU021475.D	01/04/2018	16:05
921-MW-16 (22.5)	I7090-12	VU021476.D	01/04/2018	16:32
923-MW-18 (21.5)	I7090-14	VU021477.D	01/04/2018	16:58
925-MW-20 (22)	I7090-16	VU021478.D	01/04/2018	17:25
914-MW-03A (17)	I7090-03	VU021479.D	01/04/2018	17:52
922-MW-17 (15.5)	I7090-13	VU021480.D	01/04/2018	18:19
912-MW-01 (23)	I7090-01	VU021481.D	01/04/2018	18:45
912-MW-01 (23) DL	I7090-01DL	VU021482.D	01/04/2018	19:12
924-MW-19 (28)	I7090-15	VU021483.D	01/04/2018	19:38



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: I7090 SAS No.: I7090 SDG NO.: I7090
 Lab File ID: VU021463.D BFB Injection Date: 01/04/2018
 Instrument ID: MSVOA_U BFB Injection Time: 09:58
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.7
75	30.0 - 60.0% of mass 95	48.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 100.0% of mass 95	94.2
175	5.0 - 9.0% of mass 174	6.4 (6.8) 1
176	95.0 - 101.0% of mass 174	91.2 (96.8) 1
177	5.0 - 9.0% of mass 176	5.7 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
924-MW-19 (28) DL	I7090-15DL	VU021484.D	01/04/2018	20:05
918-MW-07 (22.5) MS	I7090-08MS	VU021485.D	01/04/2018	20:32
918-MW-07 (22.5) MSD	I7090-09MSD	VU021486.D	01/04/2018	20:58

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: I7090 SAS No.: I7090 SDG NO.: I7090
 Lab File ID: VU021464.D Date Analyzed: 01/04/2018
 Instrument ID: MSVOA_U Time Analyzed: 10:35
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1404150	4.99	2038970	5.89	1860390	9.09
UPPER LIMIT	2808300	5.49	4077940	6.39	3720790	9.59
LOWER LIMIT	702076	4.49	1019490	5.39	930197	8.59
EPA SAMPLE NO.						
912-MW-01 (23)	1257213	4.99	1893668	5.89	1687778	9.09
912-MW-01 (23) DL	1280263	4.99	1905464	5.89	1691323	9.09
913-MW-02 (23.8)	1158355	4.99	1708312	5.89	1561876	9.09
914-MW-03A (17)	1294051	4.99	1907429	5.89	1682288	9.09
915-MW-04 (23)	1233434	4.99	1841864	5.89	1667461	9.09
916-MW-05 (17)	1283131	4.99	1909585	5.89	1754123	9.09
917-MW-06 (17)	1241396	4.99	1874618	5.89	1675692	9.09
918-MW-07 (22.5)	1298192	4.99	1940092	5.89	1735194	9.09
918-MW-07 (22.5) MS	1235937	4.99	1849476	5.89	1696303	9.09
918-MW-07 (22.5) MSD	1292757	4.99	1944252	5.89	1763926	9.09
919-MW-11 (15)	1254699	4.99	1891553	5.89	1678888	9.09
920-MW-15 (17)	1239298	4.99	1847923	5.89	1644956	9.09
921-MW-16 (22.5)	1282674	4.99	1917668	5.89	1695245	9.09
922-MW-17 (15.5)	1282017	4.99	1913550	5.89	1688253	9.09
923-MW-18 (21.5)	1204346	4.99	1826646	5.89	1617387	9.09
924-MW-19 (28)	1207219	4.99	1853966	5.89	1639297	9.09
924-MW-19 (28) DL	1278062	4.99	1908810	5.89	1680327	9.09
925-MW-20 (22)	1225615	4.99	1857764	5.89	1647427	9.09
926-FB122717	1340034	4.99	1963177	5.89	1790667	9.09
927-TB127717	1373418	4.99	2015244	5.89	1819393	9.09
VU0104WBL01	1412991	4.99	2024460	5.89	1848489	9.09
VU0104WBS01	1430117	4.99	2063890	5.89	1892163	9.09

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: I7090 SAS No.: I7090 SDG NO.: I7090
 Lab File ID: VU021464.D Date Analyzed: 01/04/2018
 Instrument ID: MSVOA_U Time Analyzed: 10:35
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1404150	4.99	2038970	5.89	1860390	9.09
UPPER LIMIT	2808300	5.49	4077940	6.39	3720790	9.59
LOWER LIMIT	702076	4.49	1019490	5.39	930197	8.59
EPA SAMPLE NO.						

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: I7090 SAS No.: I7090 SDG NO.: I7090
 Lab File ID: VU021464.D Date Analyzed: 01/04/2018
 Instrument ID: MSVOA_U Time Analyzed: 10:35
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	1045080	11.49			
UPPER LIMIT	2090160	11.99			
LOWER LIMIT	522540	10.99			
EPA SAMPLE NO.					
912-MW-01 (23)	806942	11.49			
912-MW-01 (23) DL	789923	11.49			
913-MW-02 (23.8)	802230	11.49			
914-MW-03A (17)	810205	11.49			
915-MW-04 (23)	865919	11.49			
916-MW-05 (17)	899669	11.49			
917-MW-06 (17)	819293	11.49			
918-MW-07 (22.5)	827576	11.49			
918-MW-07 (22.5) MS	898076	11.49			
918-MW-07 (22.5) MSD	937282	11.49			
919-MW-11 (15)	802623	11.49			
920-MW-15 (17)	780749	11.49			
921-MW-16 (22.5)	802878	11.49			
922-MW-17 (15.5)	785559	11.49			
923-MW-18 (21.5)	758548	11.49			
924-MW-19 (28)	756500	11.49			
924-MW-19 (28) DL	782424	11.49			
925-MW-20 (22)	773511	11.49			
926-FB122717	929516	11.49			
927-TB127717	963228	11.49			
VU0104WBL01	974309	11.49			
VU0104WBS01	1039030	11.49			

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: I7090 SAS No.: I7090 SDG NO.: I7090
 Lab File ID: VU021464.D Date Analyzed: 01/04/2018
 Instrument ID: MSVOA_U Time Analyzed: 10:35
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	1045080	11.49				
UPPER LIMIT	2090160	11.99				
LOWER LIMIT	522540	10.99				
EPA SAMPLE NO.						

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

SAMPLE
DATA

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	912-MW-01(23)	SDG No.:	17090
Lab Sample ID:	I7090-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021481.D	1		01/04/18 18:45	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	6.3		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	2		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	120		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	120		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	912-MW-01(23)	SDG No.:	17090
Lab Sample ID:	I7090-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021481.D	1		01/04/18 18:45	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	600	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.5		61 - 141		103%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	50.6		65 - 126		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		58 - 135		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1257210	4.99				
540-36-3	1,4-Difluorobenzene	1893670	5.89				
3114-55-4	Chlorobenzene-d5	1687780	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	806942	11.49				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	912-MW-01(23)	SDG No.:	17090
Lab Sample ID:	I7090-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021481.D	1		01/04/18 18:45	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021481.D
 Acq On : 04 Jan 2018 18:45
 Operator : MD/SY
 Sample : I7090-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 912-MW-01(23)

Quant Time: Jan 05 00:59:47 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1257213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1893668	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1687778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	806942	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	552524	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	4.89	113	499309	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	7.57	98	1691180	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	10.31	95	657262	42.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.42%	

Target Compounds

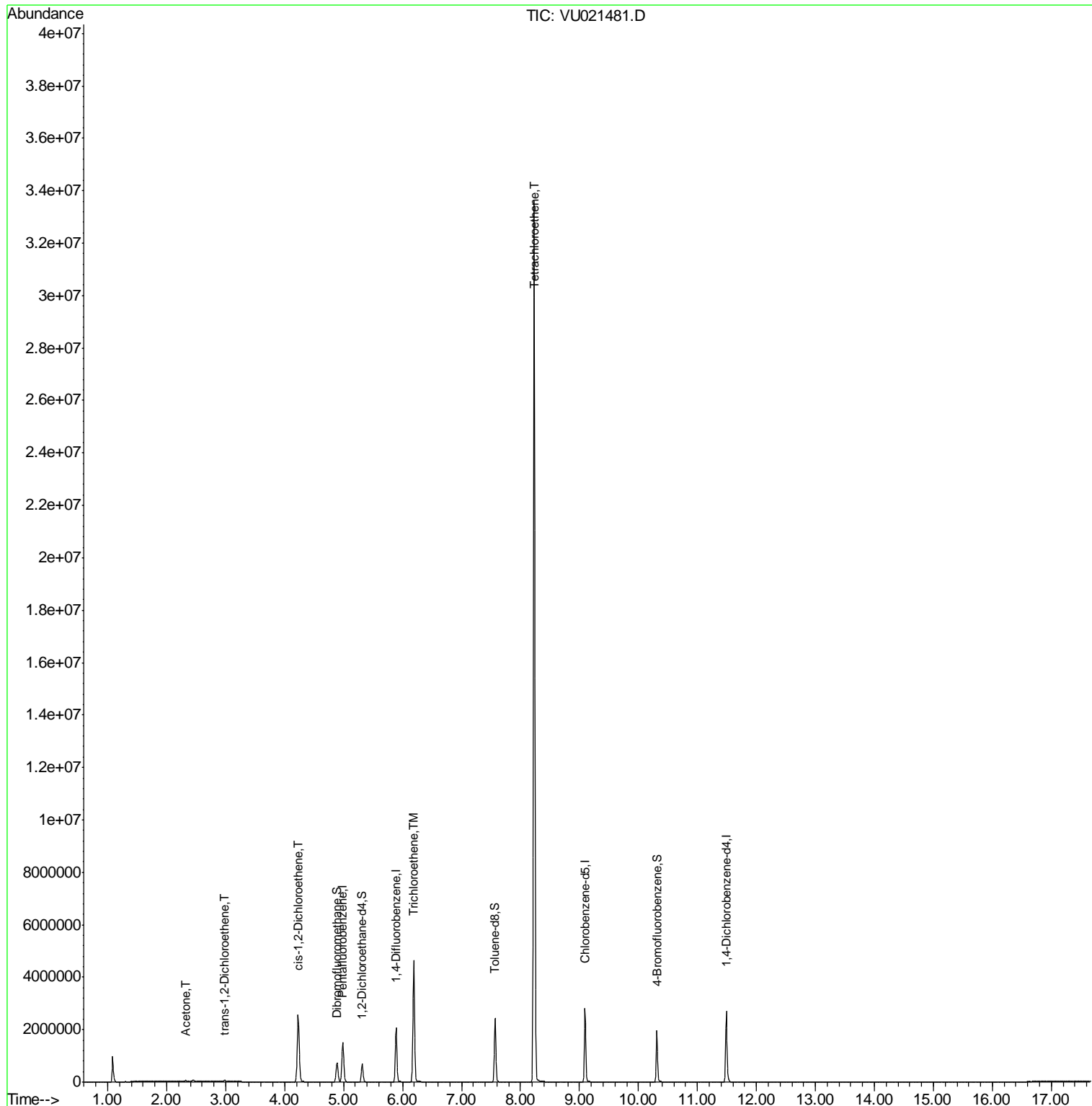
						Qvalue
16) Acetone	2.32	43	39926	6.26	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	22968	2.03	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	1555168	118.32	ug/l	90
44) Trichloroethene	6.19	130	1722701	119.97	ug/l	100
64) Tetrachloroethene	8.23	164	7999191	602.74	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

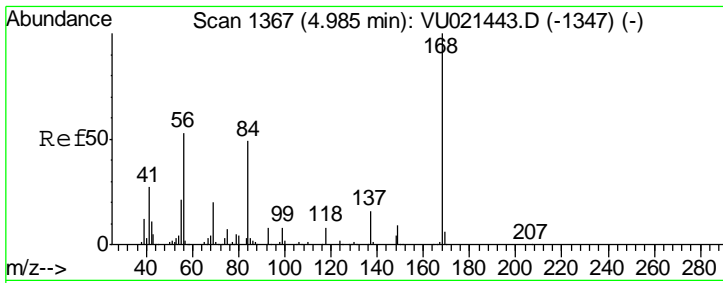
Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021481.D
 Acq On : 04 Jan 2018 18:45
 Operator : MD/SY
 Sample : I7090-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 912-MW-01(23)

Quant Time: Jan 05 00:59:47 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration



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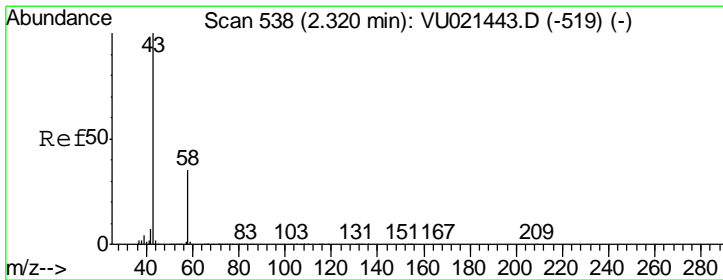
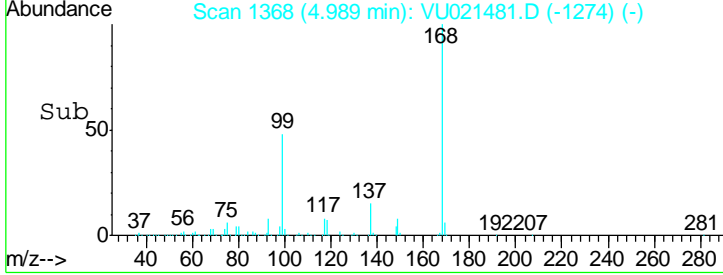
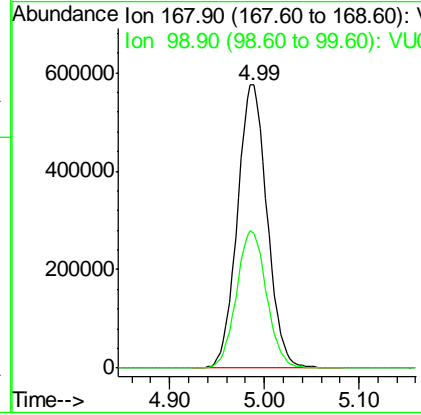
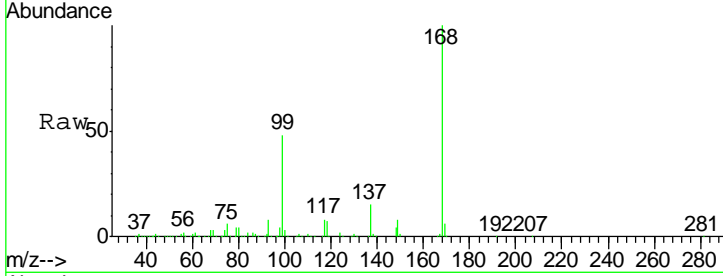


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)

Tgt Ion: 168 Resp: 1257213

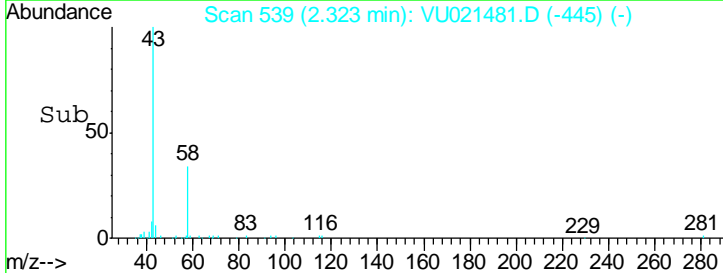
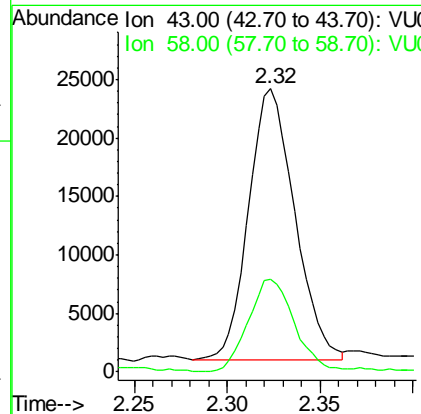
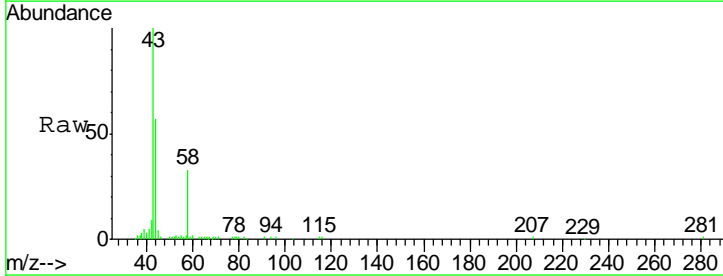
Ion	Ratio	Lower	Upper
168	100		
99	47.8	39.4	59.2

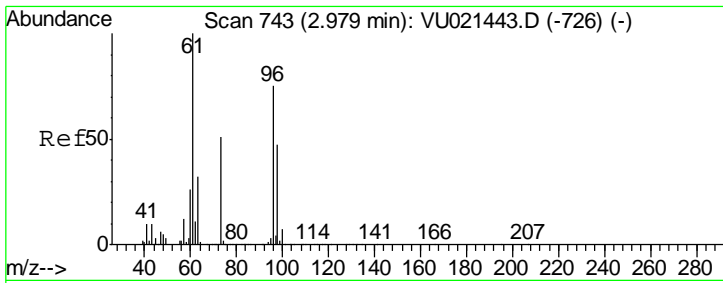


#16
 Acetone
 Concen: 6.26 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

Tgt Ion: 43 Resp: 39926

Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.8	41.8

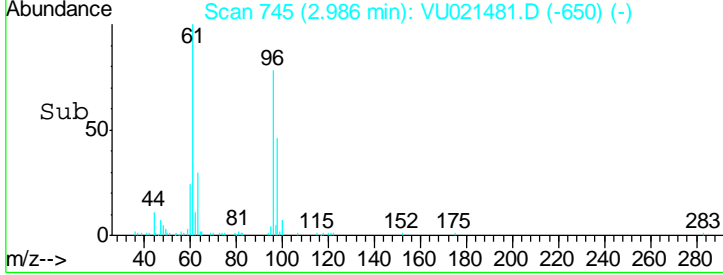
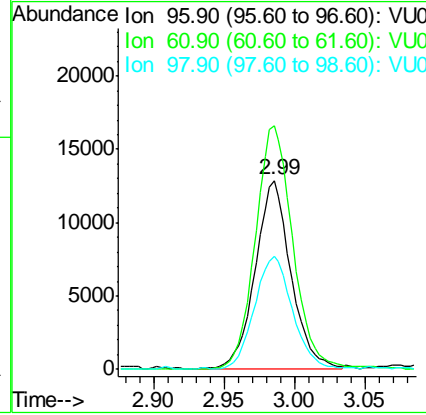
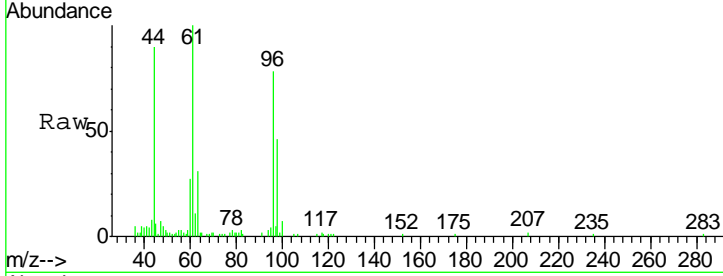




#21
 trans-1,2-Dichloroethene
 Concen: 2.03 ug/l
 RT: 2.99 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

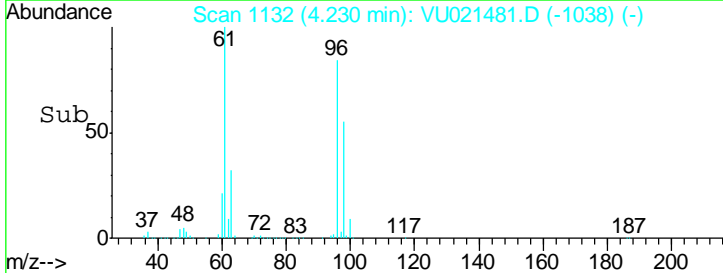
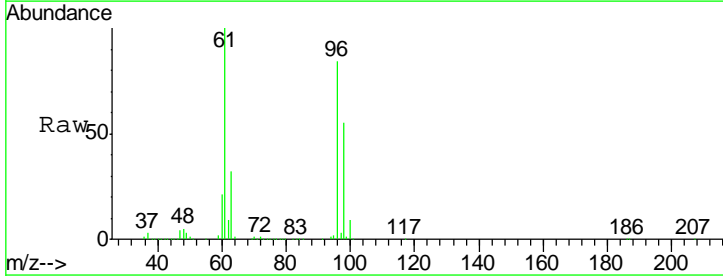
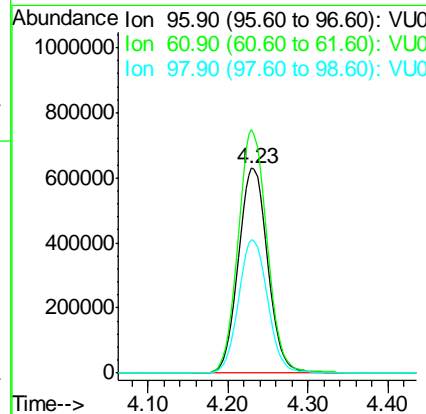
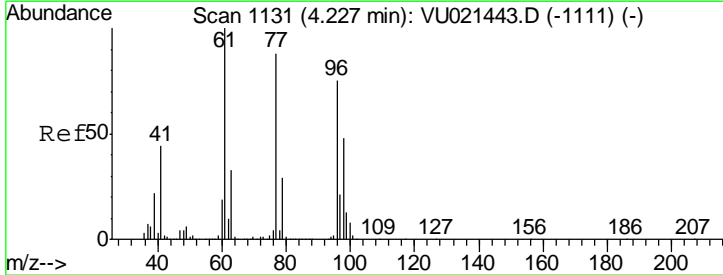
Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)

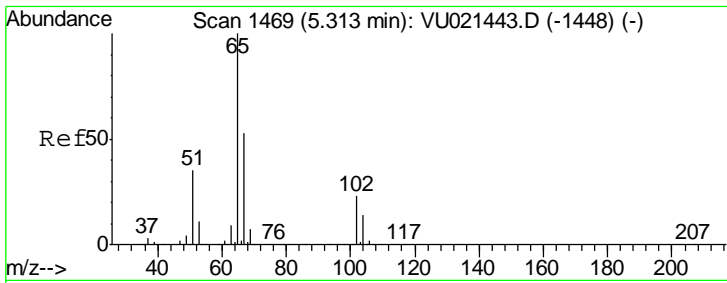
Tgt Ion	Resp	Lower	Upper
96	22968		
61	128.7	106.2	159.4
98	59.6	49.6	74.4



#27
 cis-1,2-Dichloroethene
 Concen: 118.32 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

Tgt Ion	Resp	Lower	Upper
96	1555168		
61	117.3	0.0	270.2
98	64.9	0.0	128.2

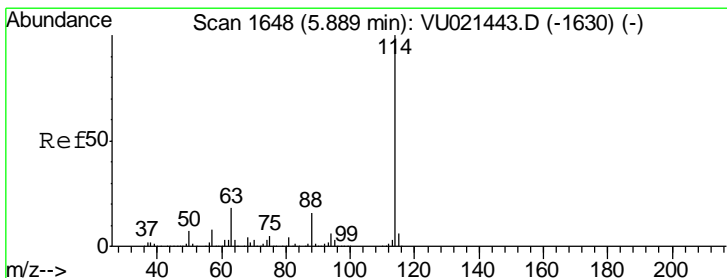
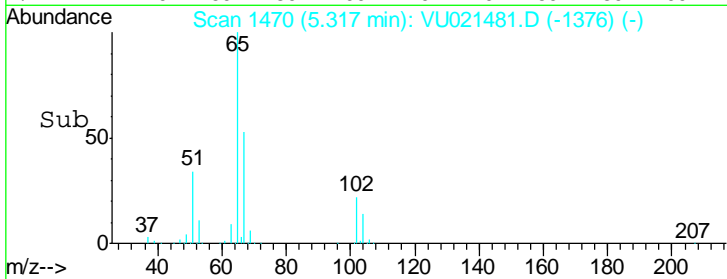
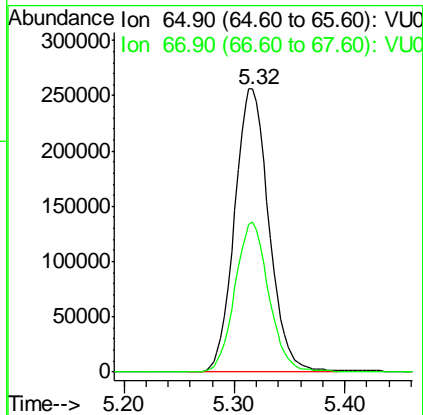
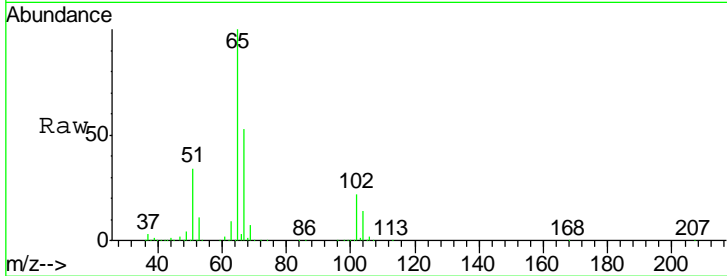




#33
 1,2-Dichloroethane-d4
 Concen: 51.51 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

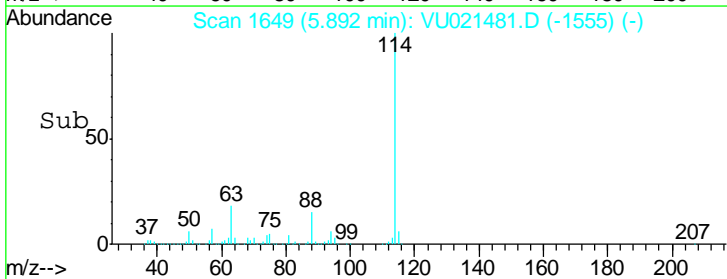
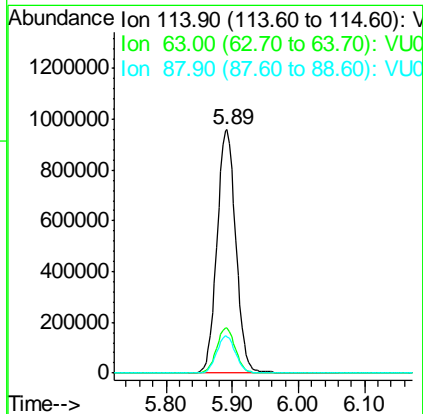
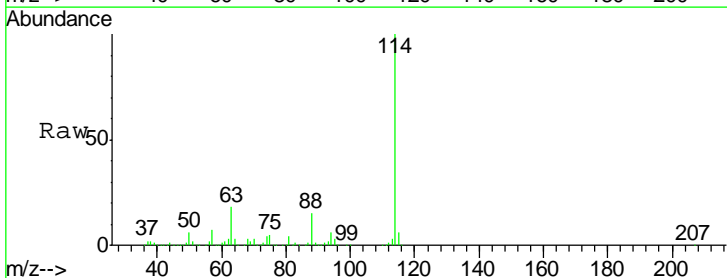
Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)

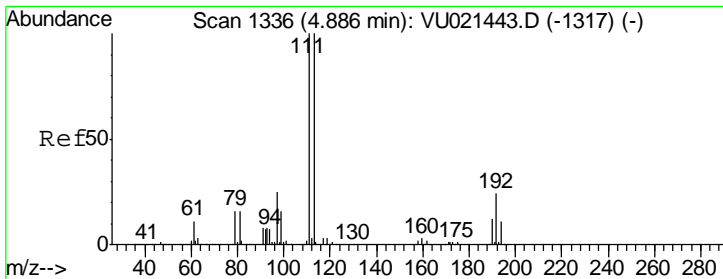
Tgt Ion	Resp	Lower	Upper
65	100		
67	52.3	0.0	106.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.4	0.0	36.6
88	15.1	0.0	31.2

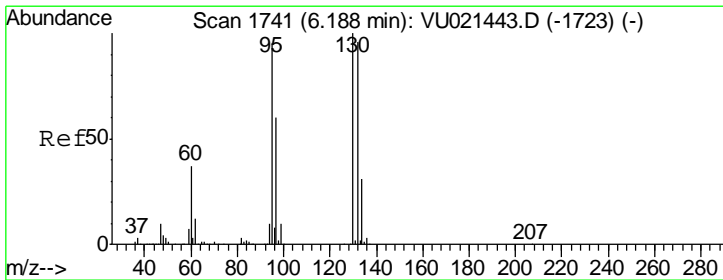
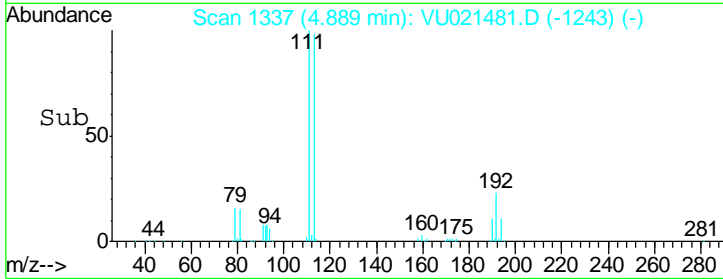
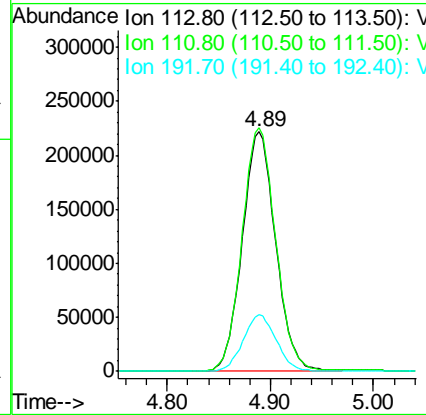
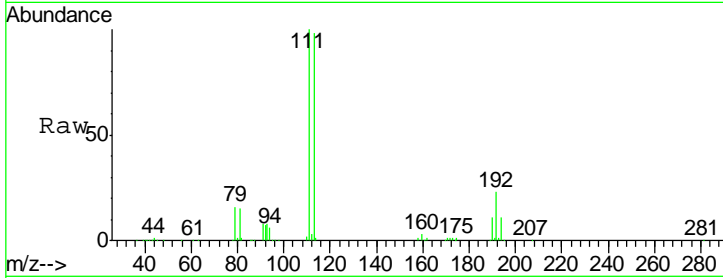




#35
 Dibromofluoromethane
 Concen: 47.63 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

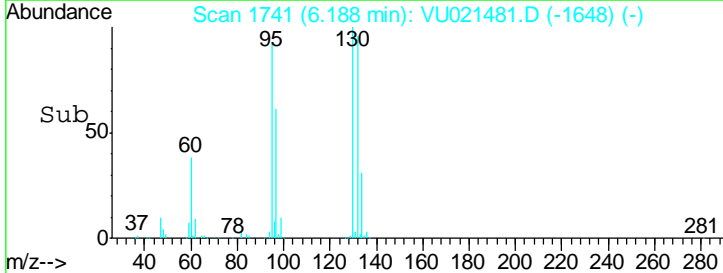
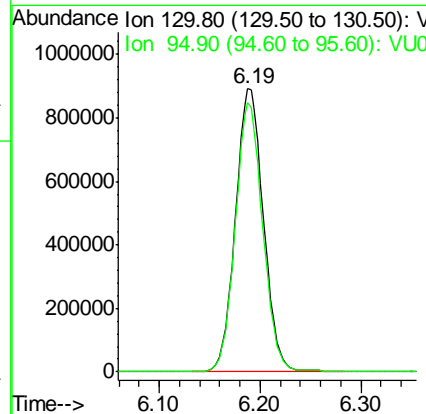
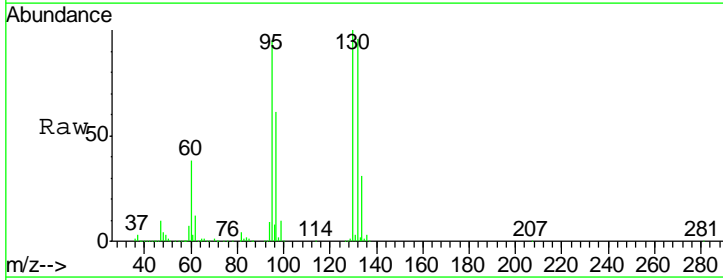
Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)

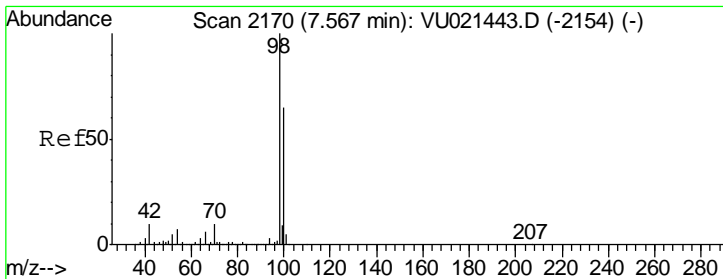
Tgt Ion	Resp	Lower	Upper
113	499309		
111	102.2	82.2	123.2
192	23.5	19.0	28.4



#44
 Trichloroethene
 Concen: 119.97 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

Tgt Ion	Resp	Lower	Upper
130	1722701		
95	95.1	0.0	189.6

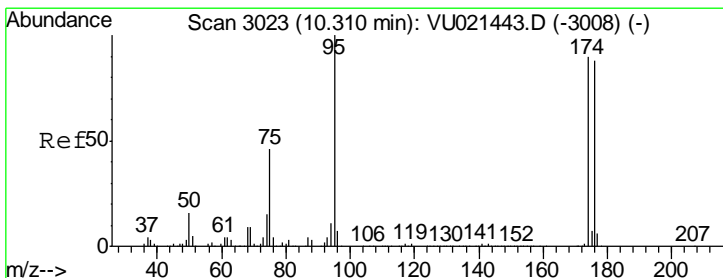
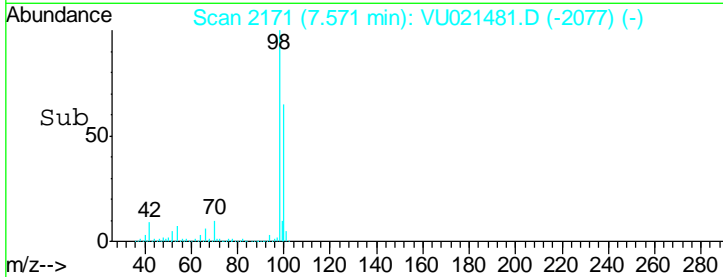
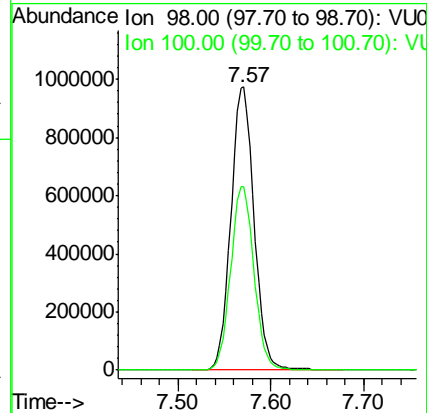
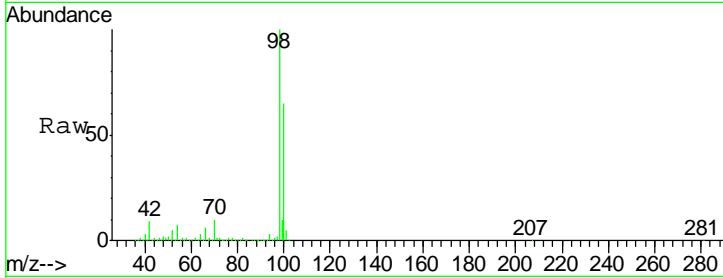




#50
 Toluene-d8
 Concen: 50.61 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

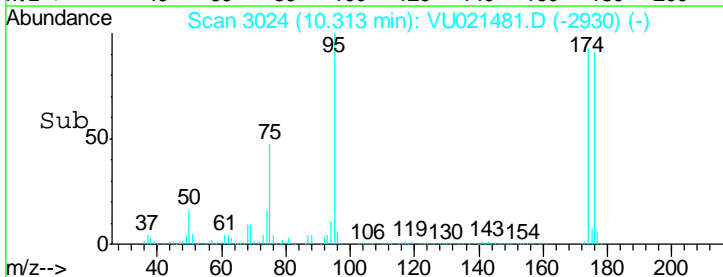
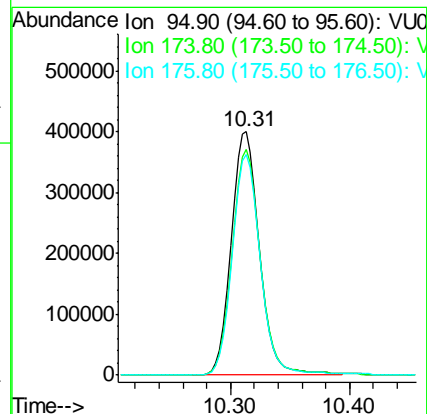
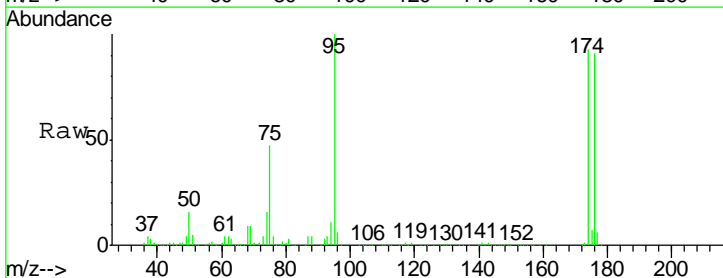
Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)

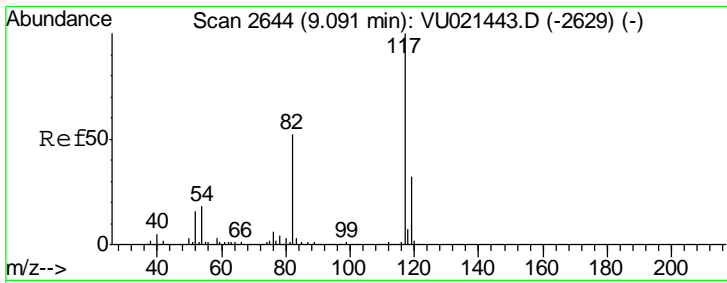
Tgt Ion: 98 Resp: 1691180
 Ion Ratio Lower Upper
 98 100
 100 65.3 51.8 77.8



#62
 4-Bromofluorobenzene
 Concen: 42.21 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

Tgt Ion: 95 Resp: 657262
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 182.6
 176 90.5 0.0 178.8



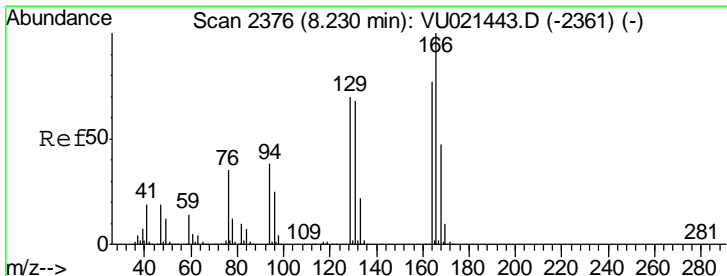
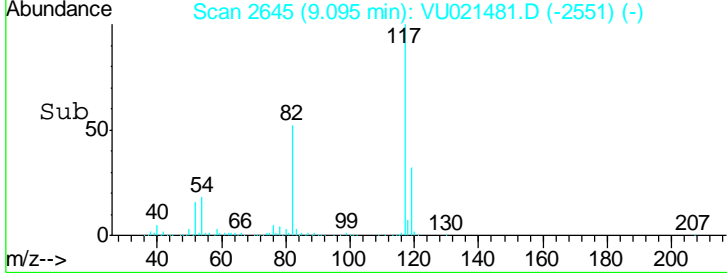
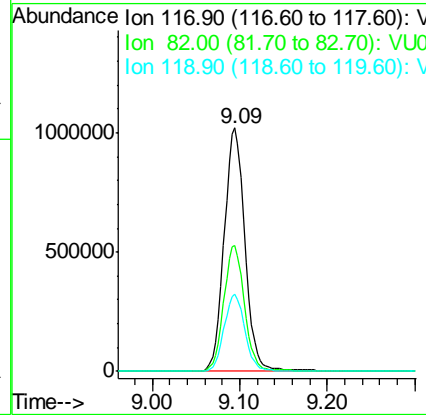
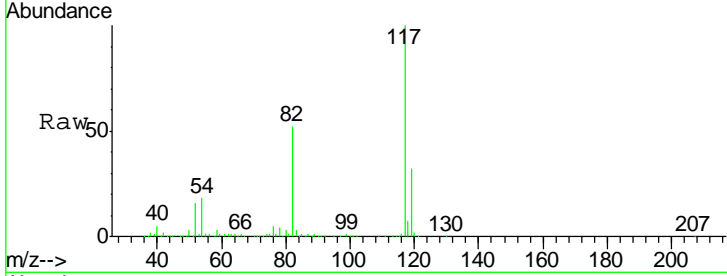


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)

Tgt Ion:117 Resp: 1687778

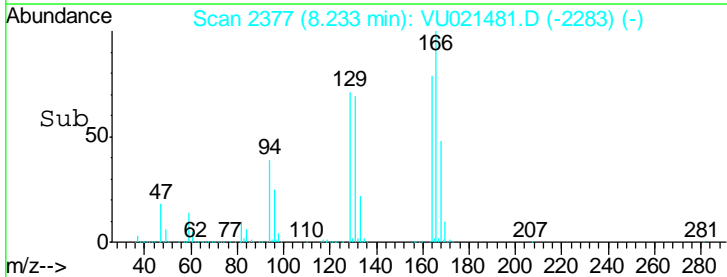
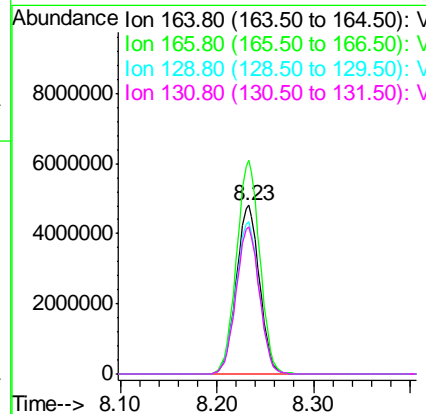
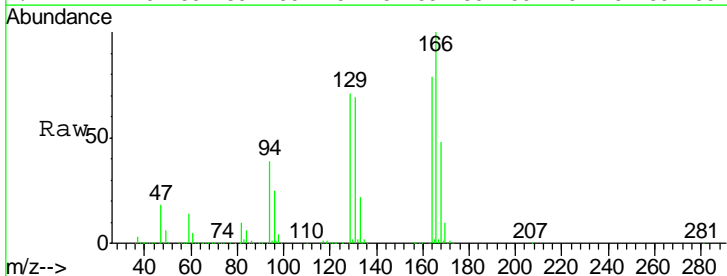
Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.4	62.0
119	31.7	25.7	38.5

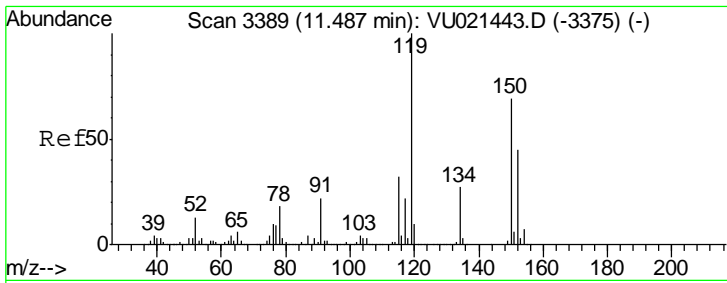


#64
 Tetrachloroethene
 Concen: 602.74 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

Tgt Ion:164 Resp: 7999191

Ion	Ratio	Lower	Upper
164	100		
166	126.7	104.1	156.1
129	90.1	73.2	109.8
131	87.5	71.0	106.6

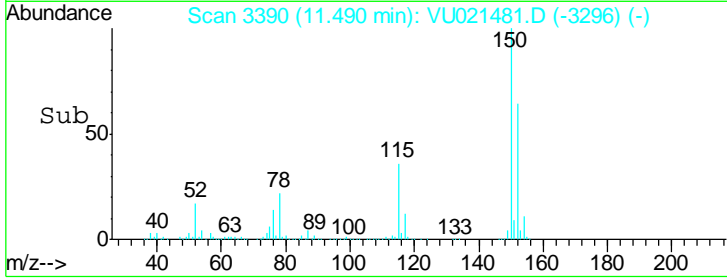
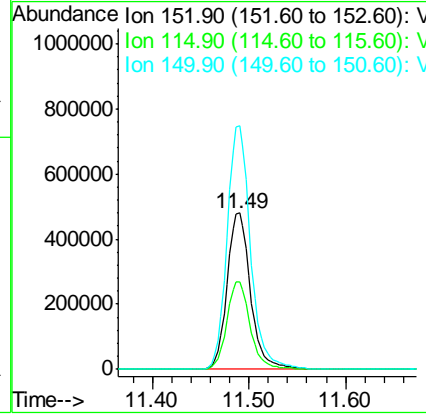
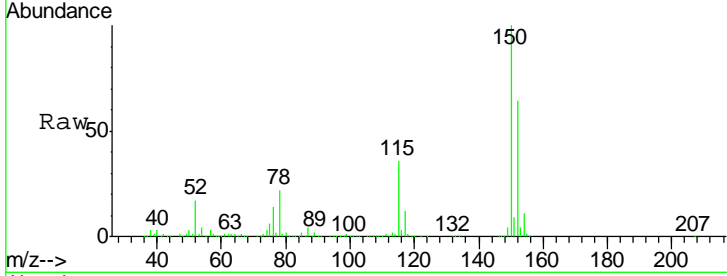




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021481.D
 Acq: 04 Jan 2018 18:45

Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)

Tot Ion	Resp	Lower	Upper
152	100		
115	55.8	38.0	114.1
150	156.3	0.0	343.2



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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021481.D
 Acq On : 04 Jan 2018 18:45
 Operator : MD/SY
 Sample : I7090-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 912-MW-01(23)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.082	136	153	178	rBV	970122	1404929	2.49%	1.398%
2	4.230	1111	1132	1173	rBV	2551425	6297066	11.16%	6.267%
3	4.889	1317	1337	1352	rBV2	731228	1647090	2.92%	1.639%
4	4.986	1352	1367	1398	rVB	1512204	3337032	5.92%	3.321%
5	5.317	1454	1470	1492	rBV	697578	1497262	2.65%	1.490%
6	5.889	1631	1648	1675	rBV	2086867	4142690	7.34%	4.123%
7	6.188	1725	1741	1776	rBV	4629080	8910975	15.80%	8.869%
8	7.567	2156	2170	2197	rBV	2439225	4268449	7.57%	4.248%
9	8.233	2360	2377	2428	rBV	33607933	56408300	100.00%	56.142%
10	9.095	2629	2645	2685	rBV	2831394	4737789	8.40%	4.715%
11	10.313	3011	3024	3067	rBV	1958633	3237162	5.74%	3.222%
12	11.490	3376	3390	3423	rBV	2695988	4585210	8.13%	4.564%

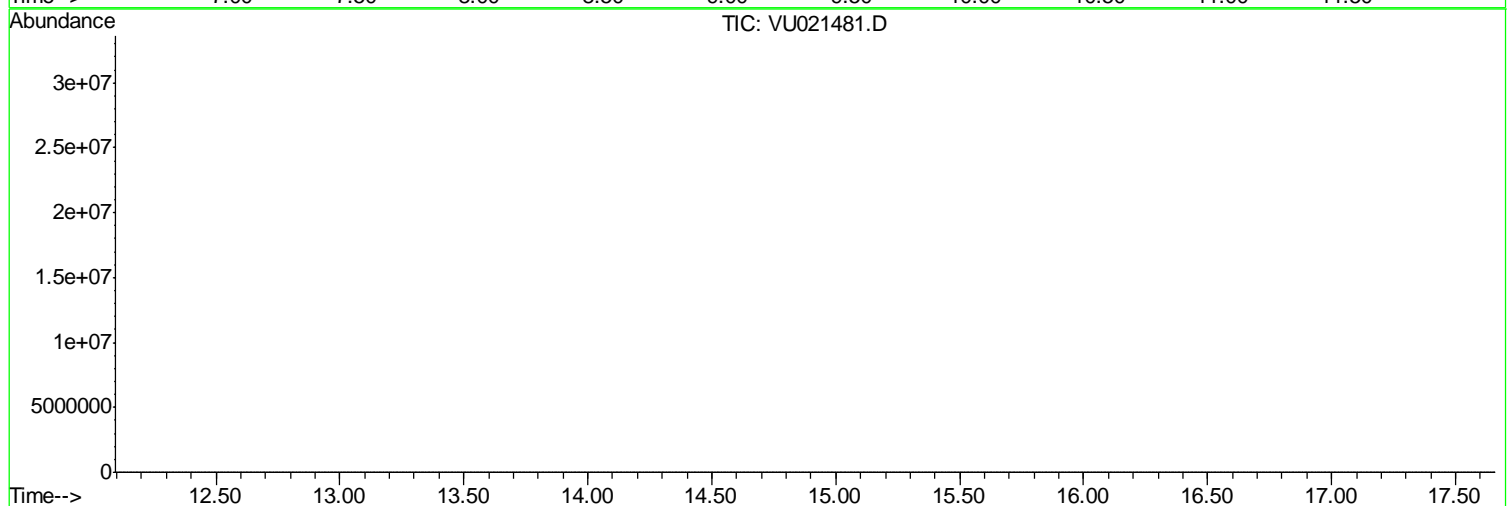
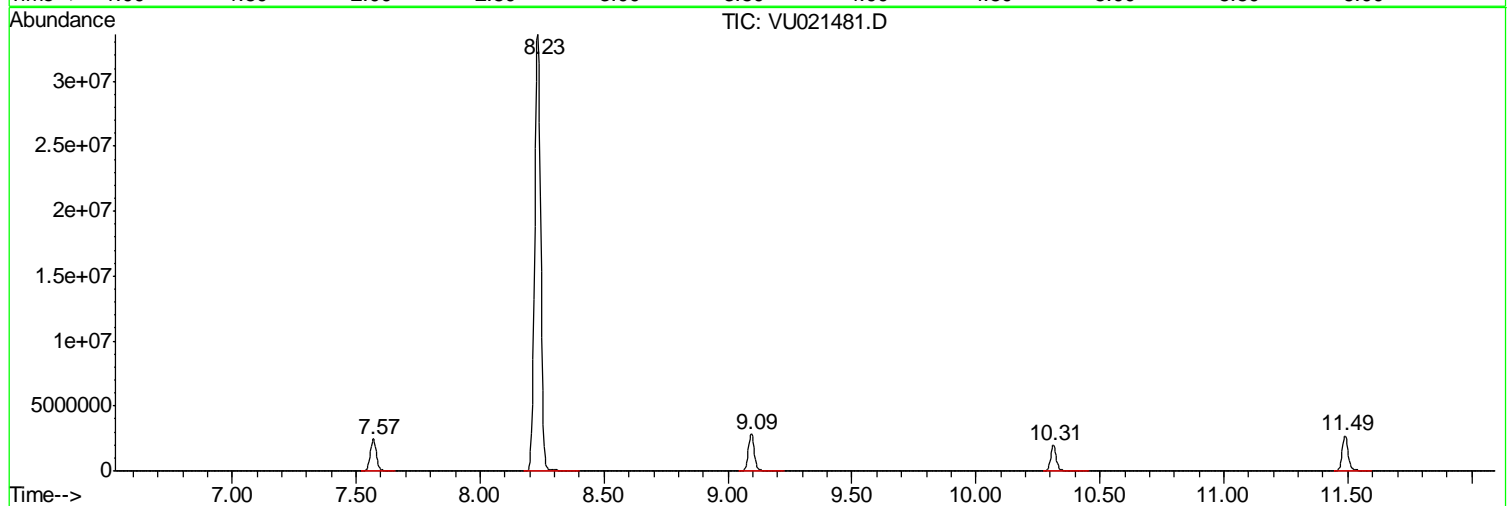
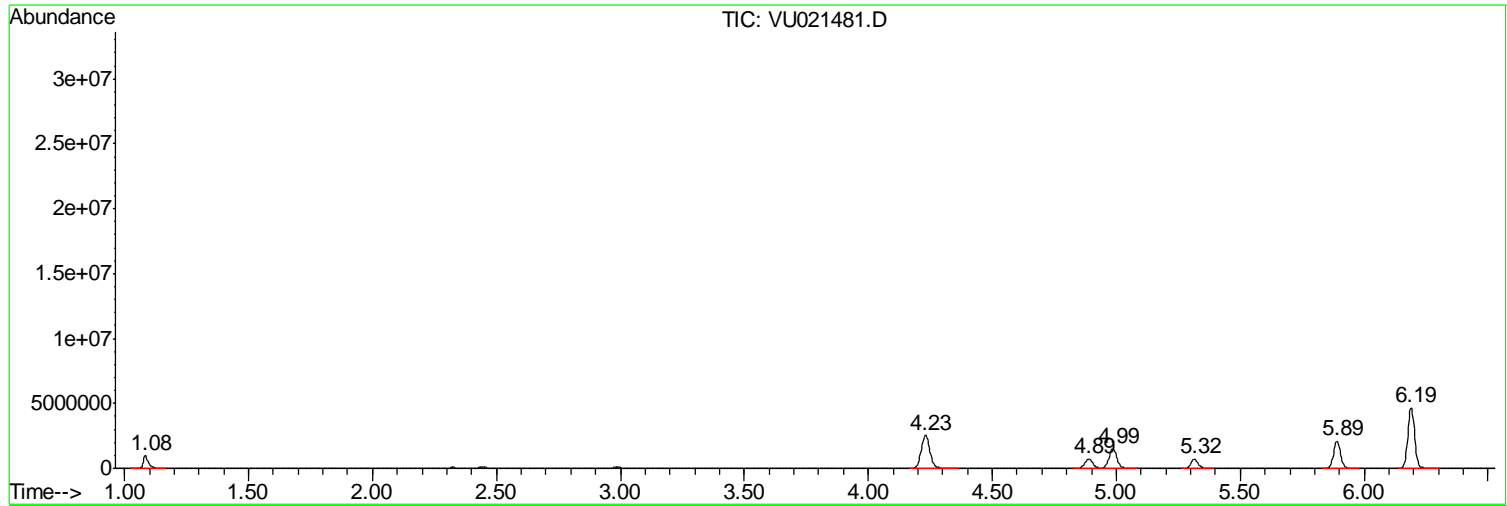
Sum of corrected areas: 100473954

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021481.D
Acq On : 04 Jan 2018 18:45
Operator : MD/SY
Sample : I7090-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
912-MW-01(23)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021481.D
Acq On : 04 Jan 2018 18:45
Operator : MD/SY
Sample : I7090-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
912-MW-01(23)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021481.D
 Acq On : 04 Jan 2018 18:45
 Operator : MD/SY
 Sample : I7090-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 912-MW-01(23)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	912-MW-01(23)DL	SDG No.:	17090
Lab Sample ID:	I7090-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021482.D	5		01/04/18 19:12	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5	UD	1	1	5	ug/L
74-87-3	Chloromethane	5	UD	1	1	5	ug/L
75-01-4	Vinyl Chloride	5	UD	1	1	5	ug/L
74-83-9	Bromomethane	5	UD	1	1	5	ug/L
75-00-3	Chloroethane	5	UD	1	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	5	UD	1	1	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5	UD	1	1	5	ug/L
75-35-4	1,1-Dichloroethene	5	UD	1	1	5	ug/L
67-64-1	Acetone	25	UD	2.5	5	25	ug/L
75-15-0	Carbon Disulfide	5	UD	1	1	5	ug/L
1634-04-4	Methyl tert-butyl Ether	5	UD	1.8	2.5	5	ug/L
79-20-9	Methyl Acetate	5	UD	1	2.5	5	ug/L
75-09-2	Methylene Chloride	5	UD	1	1	5	ug/L
156-60-5	trans-1,2-Dichloroethene	5	UD	1	1	5	ug/L
75-34-3	1,1-Dichloroethane	5	UD	1	1	5	ug/L
110-82-7	Cyclohexane	5	UD	1	1	5	ug/L
78-93-3	2-Butanone	25	UD	6.6	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	5	UD	1	1	5	ug/L
156-59-2	cis-1,2-Dichloroethene	110	D	1	1	5	ug/L
74-97-5	Bromochloromethane	5	UD	1	2.5	5	ug/L
67-66-3	Chloroform	5	UD	1	1	5	ug/L
71-55-6	1,1,1-Trichloroethane	5	UD	1	1	5	ug/L
108-87-2	Methylcyclohexane	5	UD	1	1	5	ug/L
71-43-2	Benzene	5	UD	1	1	5	ug/L
107-06-2	1,2-Dichloroethane	5	UD	1	1	5	ug/L
79-01-6	Trichloroethene	110	D	1	1	5	ug/L
78-87-5	1,2-Dichloropropane	5	UD	1	1	5	ug/L
75-27-4	Bromodichloromethane	5	UD	1	1	5	ug/L
108-10-1	4-Methyl-2-Pentanone	25	UD	5	5	25	ug/L
108-88-3	Toluene	5	UD	1	1	5	ug/L
10061-02-6	t-1,3-Dichloropropene	5	UD	1	1	5	ug/L
10061-01-5	cis-1,3-Dichloropropene	5	UD	1	1	5	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	912-MW-01(23)DL	SDG No.:	17090
Lab Sample ID:	I7090-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021482.D	5		01/04/18 19:12	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	UD	1	1	5	ug/L
591-78-6	2-Hexanone	25	UD	9.7	12.5	25	ug/L
124-48-1	Dibromochloromethane	5	UD	1	1	5	ug/L
106-93-4	1,2-Dibromoethane	5	UD	1	1	5	ug/L
127-18-4	Tetrachloroethene	570	D	1	1	5	ug/L
108-90-7	Chlorobenzene	5	UD	1	1	5	ug/L
100-41-4	Ethyl Benzene	5	UD	1	1	5	ug/L
179601-23-1	m/p-Xylenes	10	UD	2	2	10	ug/L
95-47-6	o-Xylene	5	UD	1	1	5	ug/L
100-42-5	Styrene	5	UD	1	1	5	ug/L
75-25-2	Bromoform	5	UD	1	1	5	ug/L
98-82-8	Isopropylbenzene	5	UD	1	1	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5	UD	1	1	5	ug/L
541-73-1	1,3-Dichlorobenzene	5	UD	1	1	5	ug/L
106-46-7	1,4-Dichlorobenzene	5	UD	1	1	5	ug/L
95-50-1	1,2-Dichlorobenzene	5	UD	1	1	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5	UD	1	1	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	5	UD	1	1	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	5	UD	1	1	5	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.8		61 - 141		102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		69 - 133		96%	SPK: 50
2037-26-5	Toluene-d8	50.8		65 - 126		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.8		58 - 135		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1280260	4.99				
540-36-3	1,4-Difluorobenzene	1905460	5.89				
3114-55-4	Chlorobenzene-d5	1691320	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	789923	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	912-MW-01(23)DL	SDG No.:	17090
Lab Sample ID:	I7090-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021482.D	5		01/04/18 19:12	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021482.D
 Acq On : 04 Jan 2018 19:12
 Operator : MD/SY
 Sample : I7090-01DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 912-MW-01(23)DL

Quant Time: Jan 05 01:05:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1280263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1905464	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1691323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	789923	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	554738	50.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.58%	
35) Dibromofluoromethane	4.89	113	508164	48.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.34%	
50) Toluene-d8	7.57	98	1708670	50.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	10.31	95	655398	41.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.66%	

Target Compounds

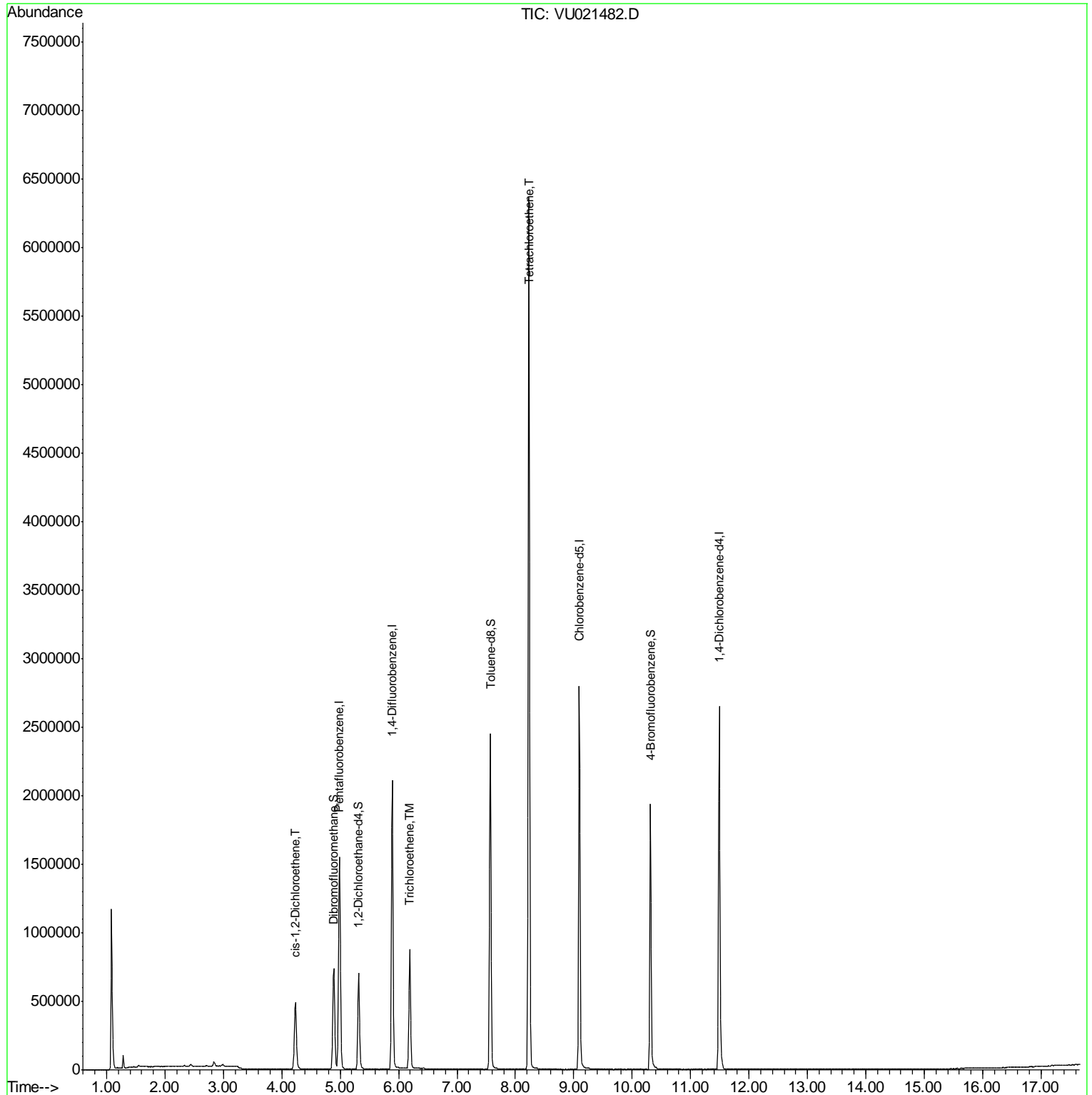
	R.T.	QIon	Response	Conc	Units	Qvalue
27) cis-1,2-Dichloroethene	4.23	96	290339	21.69	ug/l	90
44) Trichloroethene	6.19	130	321369	22.24	ug/l	100
64) Tetrachloroethene	8.23	164	1512469	113.73	ug/l	99

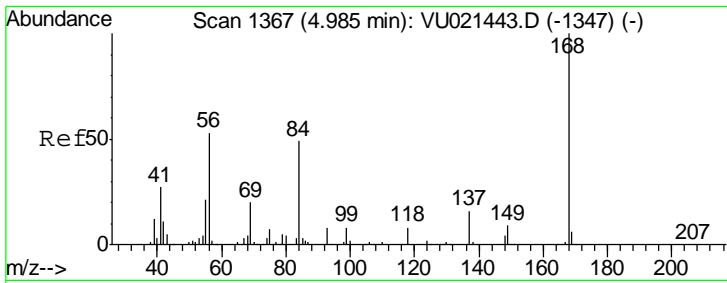
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021482.D
Acq On : 04 Jan 2018 19:12
Operator : MD/SY
Sample : I7090-01DL 5X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
912-MW-01(23)DL

Quant Time: Jan 05 01:05:58 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

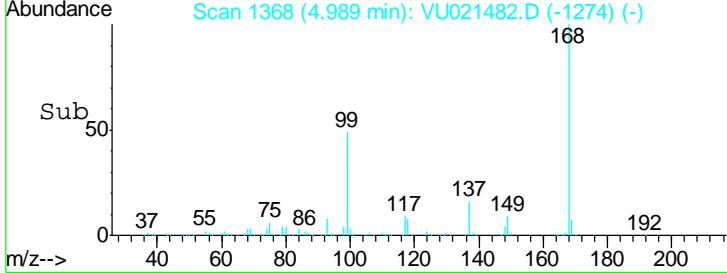
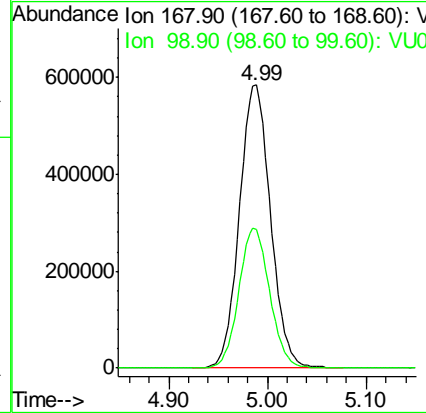
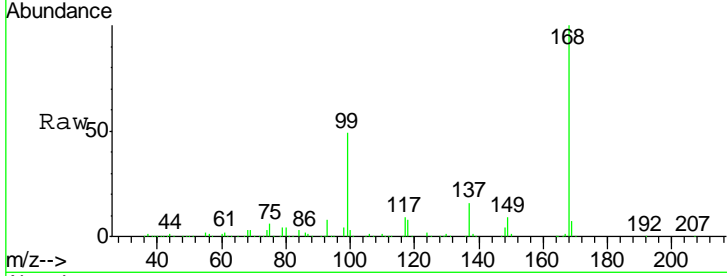




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU021482.D
 Acq: 04 Jan 2018 19:12

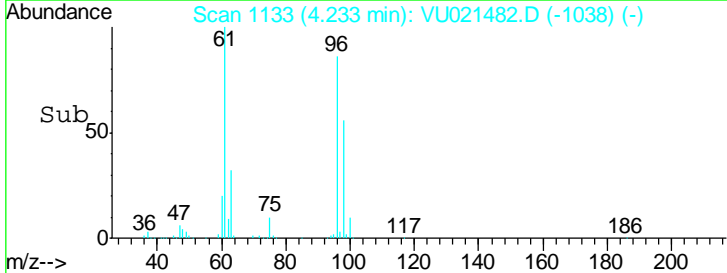
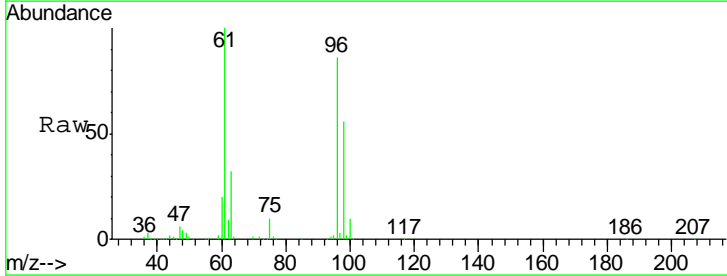
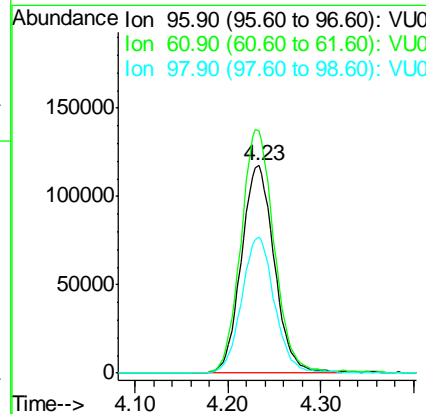
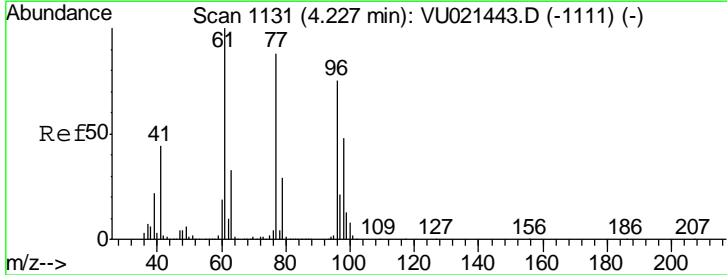
Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)DL

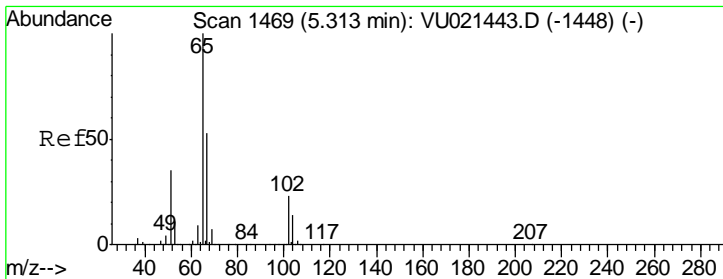
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.9	39.4	59.2



#27
 cis-1,2-Dichloroethene
 Concen: 21.69 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VU021482.D
 Acq: 04 Jan 2018 19:12

Tgt Ion	Resp	Lower	Upper
96	100		
61	118.0	0.0	270.2
98	65.4	0.0	128.2

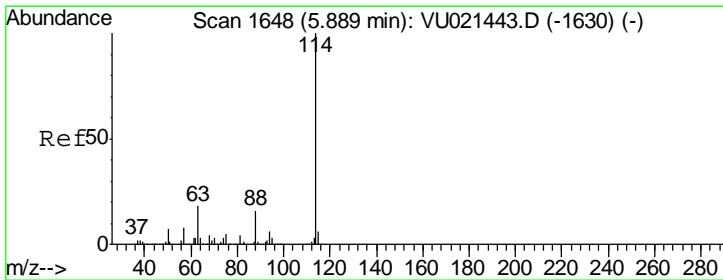
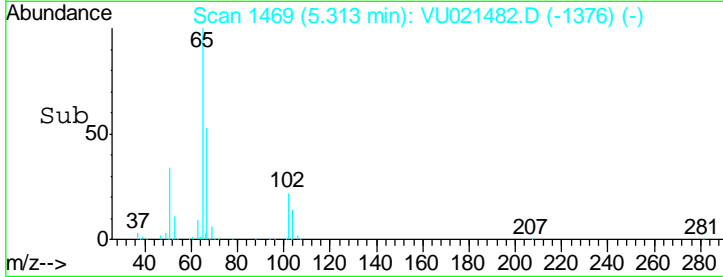
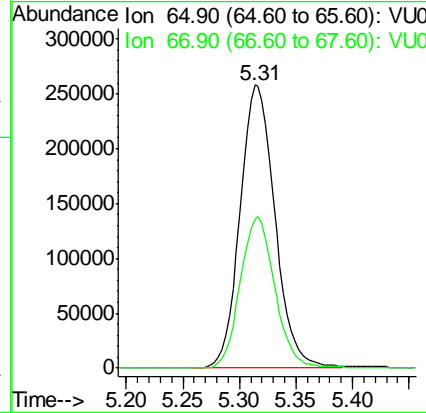
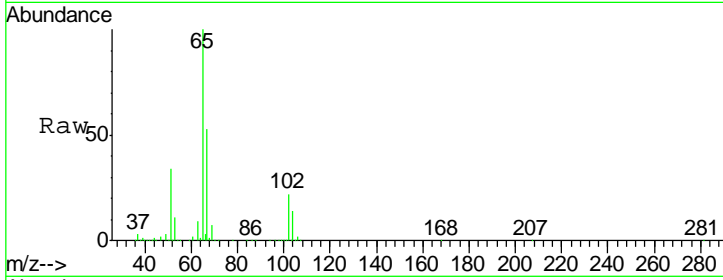




#33
 1,2-Dichloroethane-d4
 Concen: 50.79 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU021482.D
 Acq: 04 Jan 2018 19:12

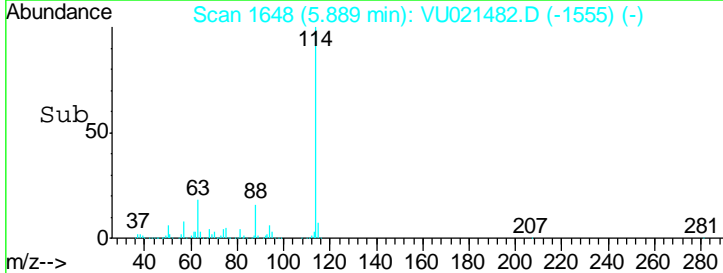
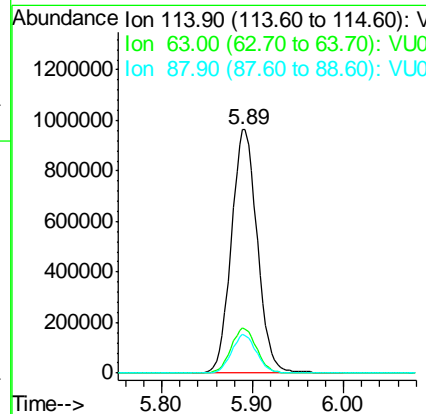
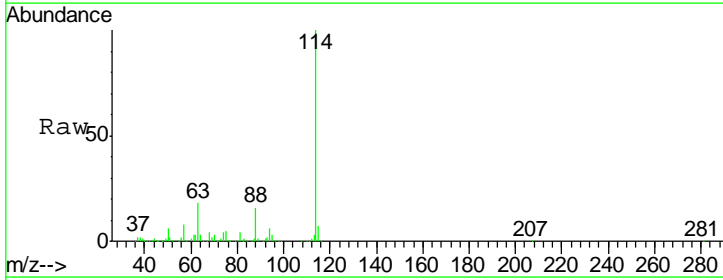
Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)DL

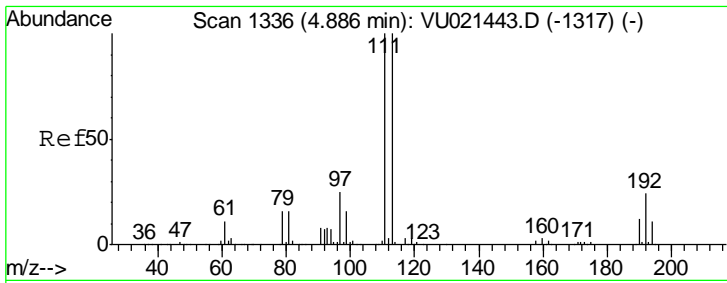
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.2	0.0	106.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU021482.D
 Acq: 04 Jan 2018 19:12

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.4	0.0	36.6
88	15.8	0.0	31.2

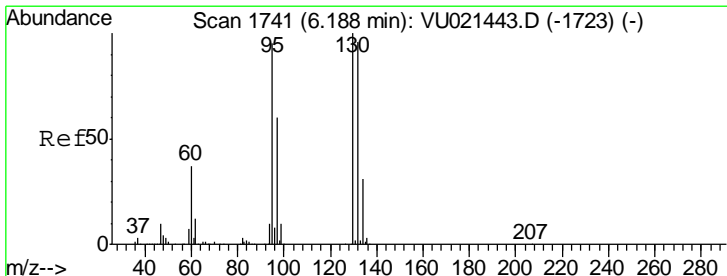
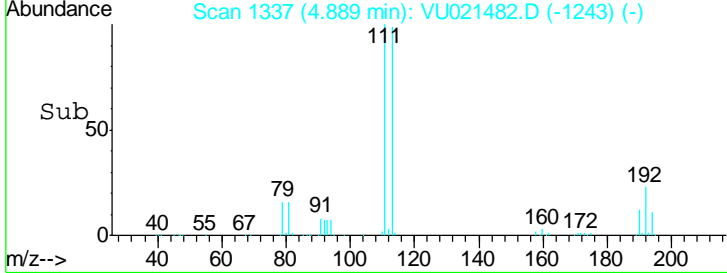
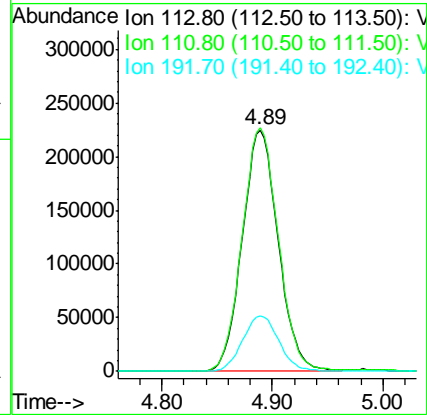
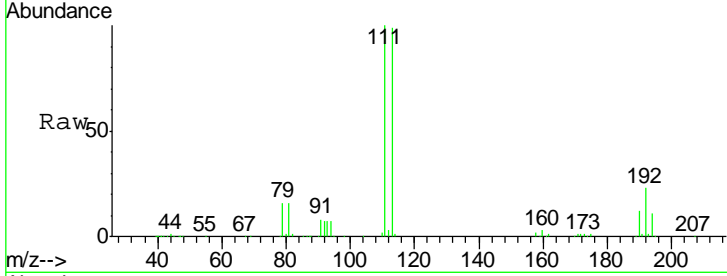




#35
 Dibromofluoromethane
 Concen: 48.17 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021482.D
 Acq: 04 Jan 2018 19:12

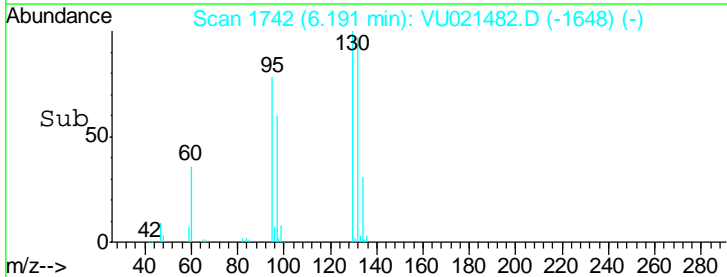
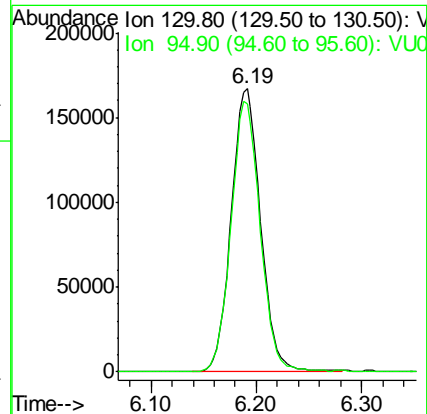
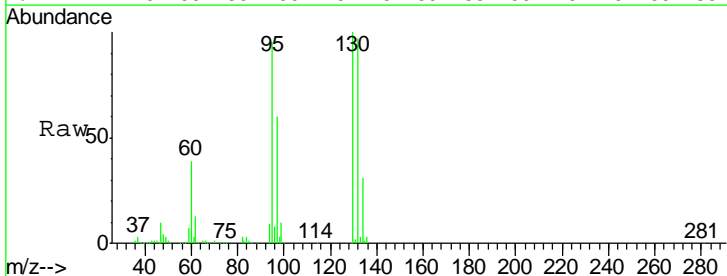
Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)DL

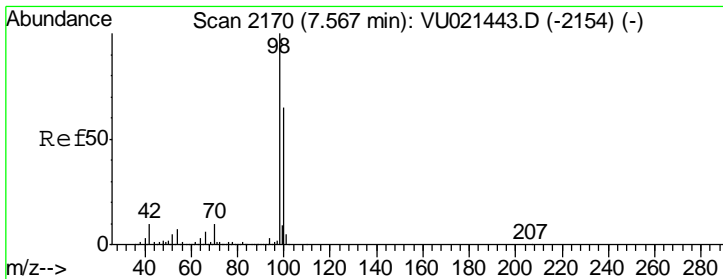
Tgt Ion	Resp	Lower	Upper
113	100		
111	101.4	82.2	123.2
192	23.4	19.0	28.4



#44
 Trichloroethene
 Concen: 22.24 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU021482.D
 Acq: 04 Jan 2018 19:12

Tgt Ion	Resp	Lower	Upper
130	100		
95	94.9	0.0	189.6

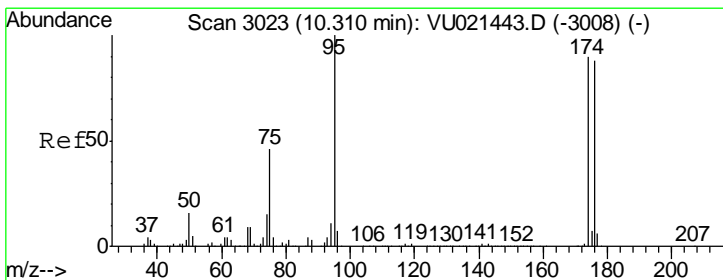
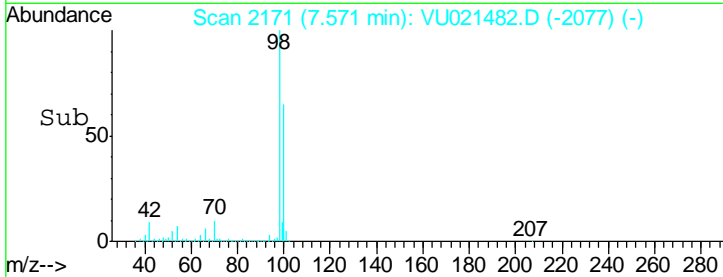
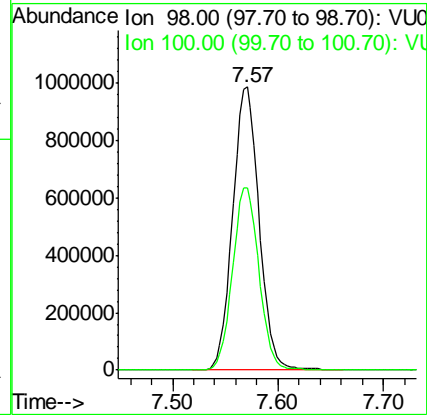
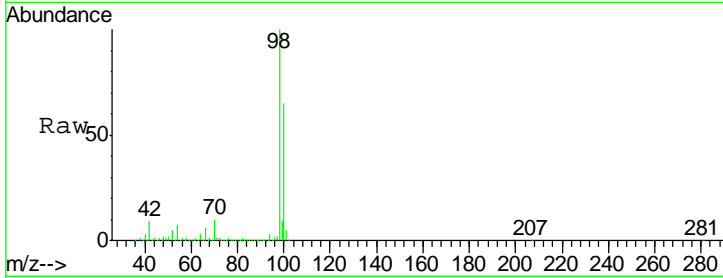




#50
 Toluene-d8
 Concen: 50.82 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021482.D
 Acq: 04 Jan 2018 19:12

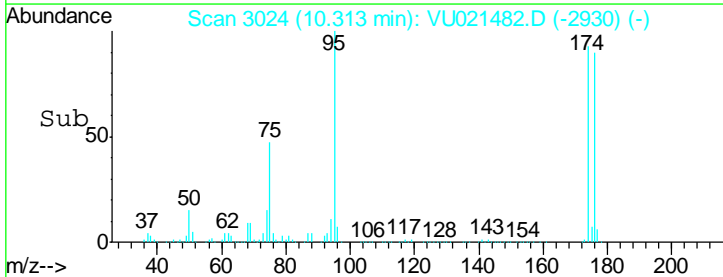
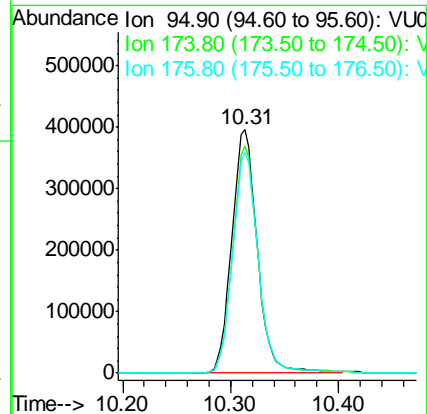
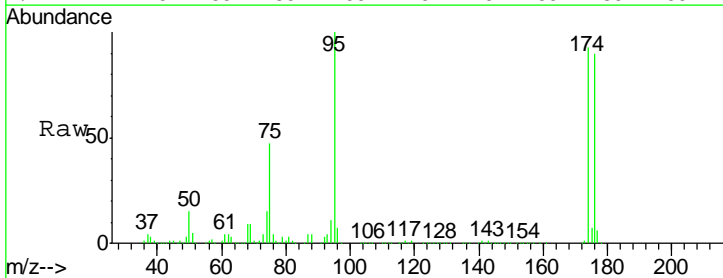
Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)DL

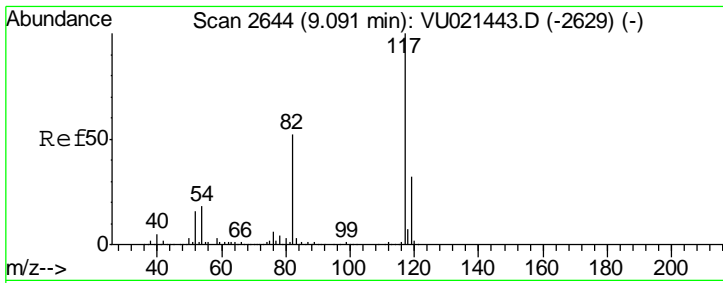
Tgt Ion: 98 Resp: 1708670
 Ion Ratio Lower Upper
 98 100
 100 64.7 51.8 77.8



#62
 4-Bromofluorobenzene
 Concen: 41.83 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021482.D
 Acq: 04 Jan 2018 19:12

Tgt Ion: 95 Resp: 655398
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 182.6
 176 91.0 0.0 178.8



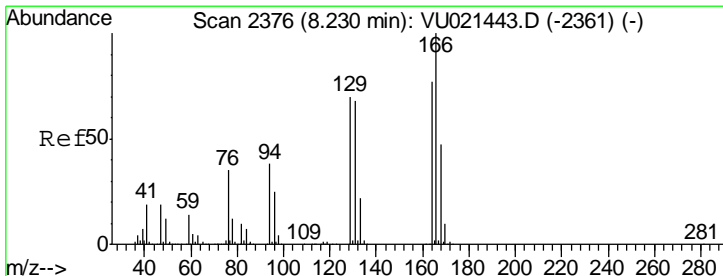
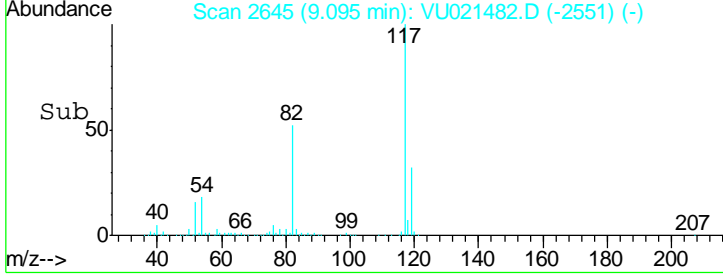
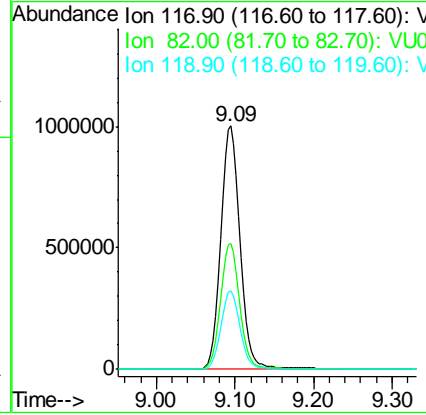
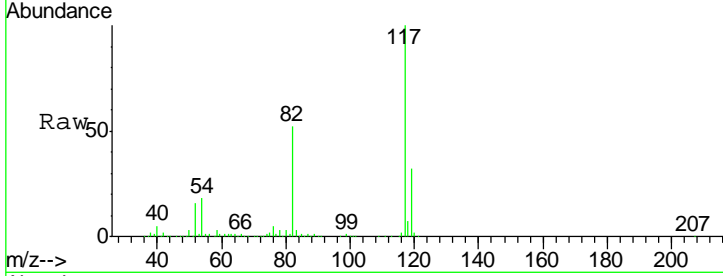


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021482.D
 Acq: 04 Jan 2018 19:12

Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)DL

Tgt Ion: 117 Resp: 1691323

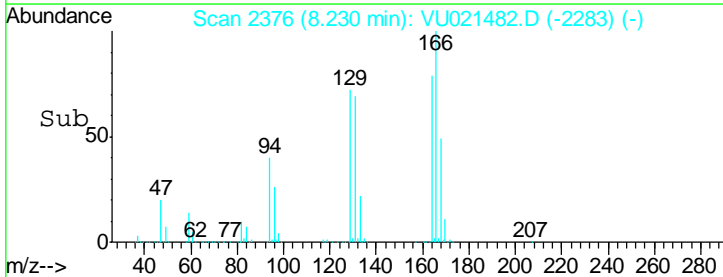
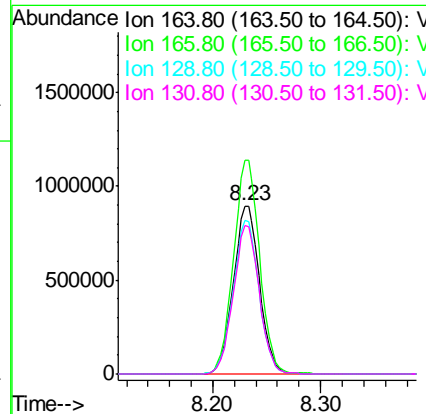
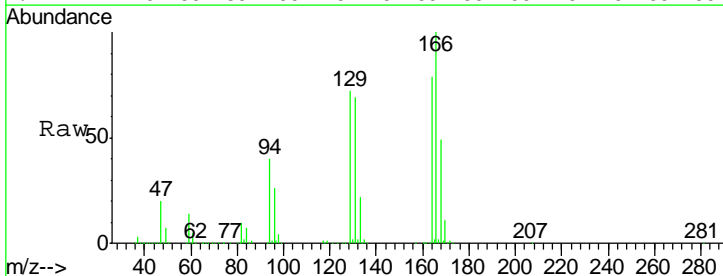
Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.4	62.0
119	32.2	25.7	38.5

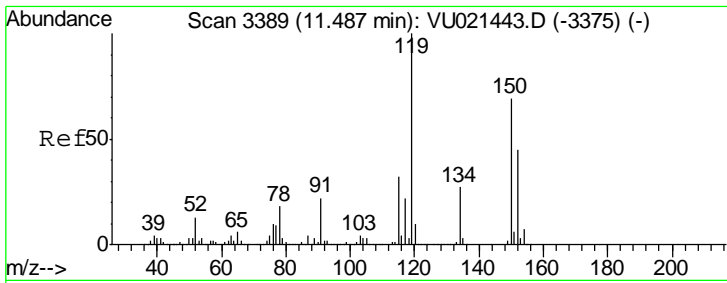


#64
 Tetrachloroethene
 Concen: 113.73 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU021482.D
 Acq: 04 Jan 2018 19:12

Tgt Ion: 164 Resp: 1512469

Ion	Ratio	Lower	Upper
164	100		
166	127.1	104.1	156.1
129	91.7	73.2	109.8
131	88.0	71.0	106.6

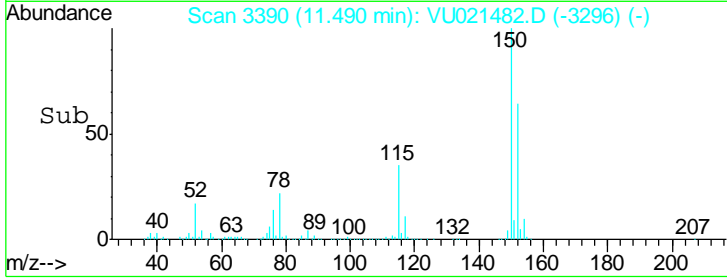
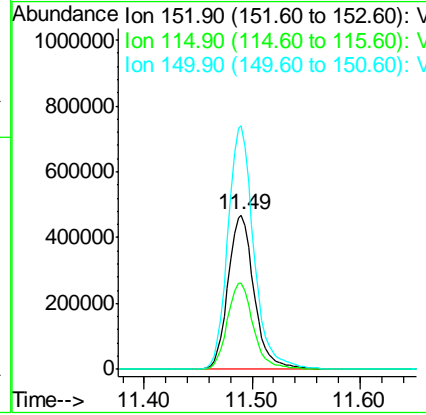
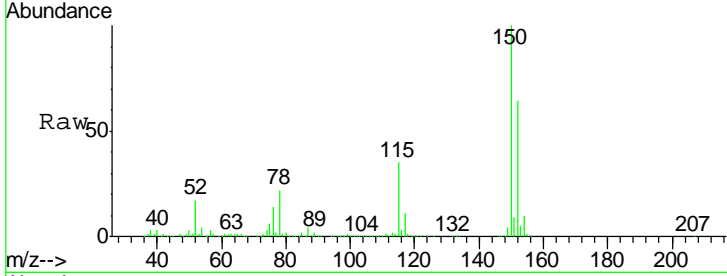




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021482.D
 Acq: 04 Jan 2018 19:12

Instrument : MSVOA_U
 ClientSampleId : 912-MW-01(23)DL

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.0	38.0	114.1
150	157.5	0.0	343.2



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	913-MW-02(23.8)	SDG No.:	17090
Lab Sample ID:	I7090-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021469.D	1		01/04/18 13:24	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	6.1		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1.8		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	34.4		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	42.9		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	913-MW-02(23.8)	SDG No.:	17090
Lab Sample ID:	I7090-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021469.D	1		01/04/18 13:24	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	73.2		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		61 - 141		109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		69 - 133		103%	SPK: 50
2037-26-5	Toluene-d8	56.5		65 - 126		113%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		58 - 135		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1158360	4.99				
540-36-3	1,4-Difluorobenzene	1708310	5.89				
3114-55-4	Chlorobenzene-d5	1561880	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	802230	11.49				
TENTATIVE IDENTIFIED COMPOUNDS							
110-57-6	trans-1,4-Dichloro-2-butene	69.7	J			10.31	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	913-MW-02(23.8)	SDG No.:	I7090
Lab Sample ID:	I7090-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021469.D	1		01/04/18 13:24	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021469.D
 Acq On : 04 Jan 2018 13:24
 Operator : MD/SY
 Sample : I7090-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 913-MW-02(23.8)

Quant Time: Jan 05 10:58:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1158355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1708312	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1561876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	802230	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	540556	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
35) Dibromofluoromethane	4.89	113	486749	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	7.57	98	1703948	56.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.06%	
62) 4-Bromofluorobenzene	10.31	95	697755	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

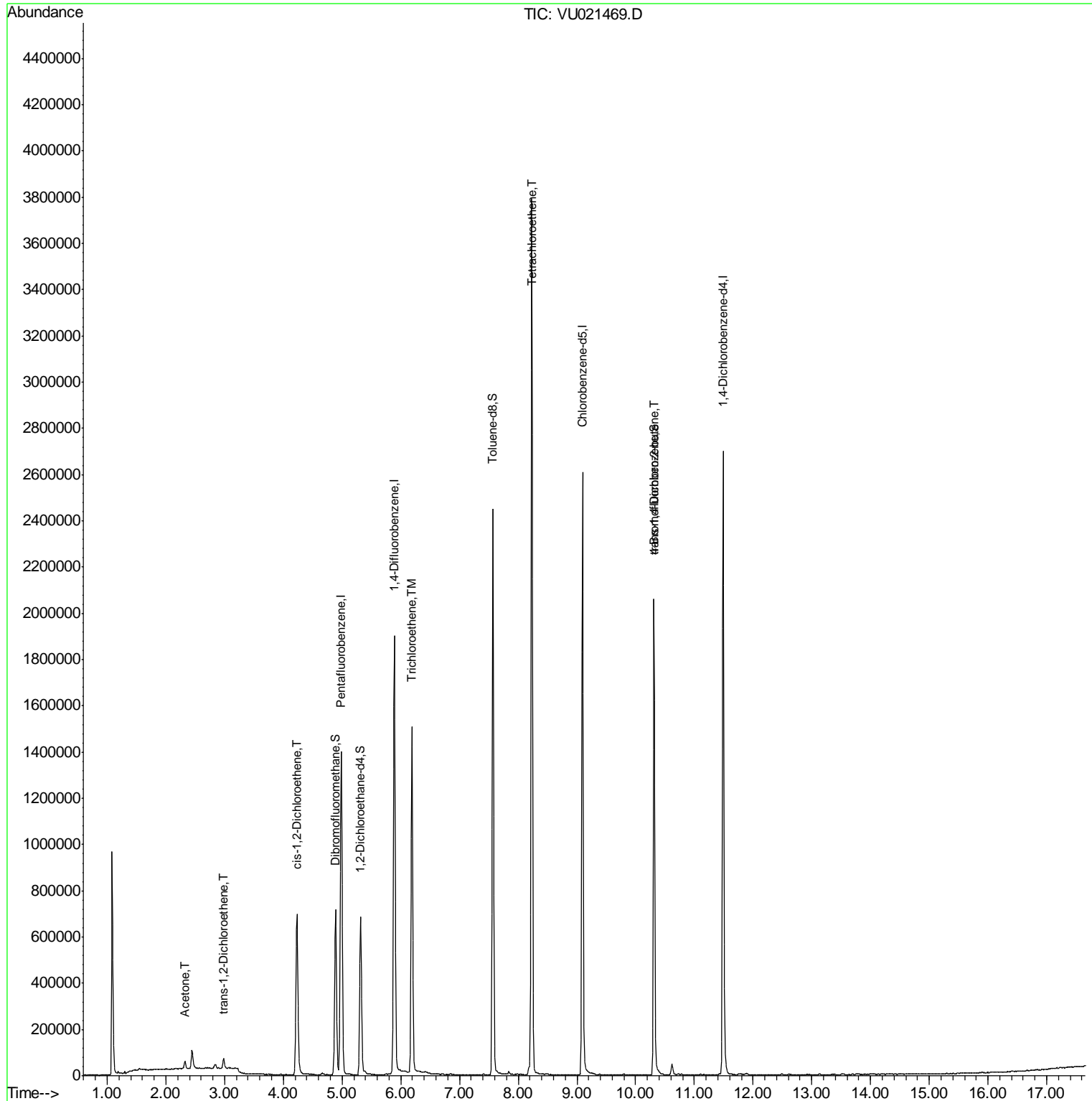
						Qvalue
16) Acetone	2.32	43	35889	6.11	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	18307	1.76	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	416225	34.37	ug/l	90
44) Trichloroethene	6.19	130	555968	42.92	ug/l	100
64) Tetrachloroethene	8.23	164	899012	73.20	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.31	75	325977	69.65	ug/l #	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

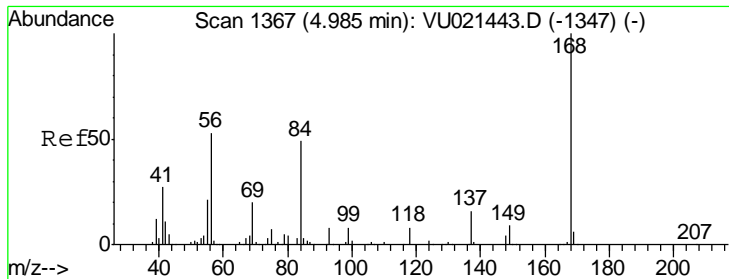
Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021469.D
 Acq On : 04 Jan 2018 13:24
 Operator : MD/SY
 Sample : I7090-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 913-MW-02(23.8)

Quant Time: Jan 05 10:58:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration



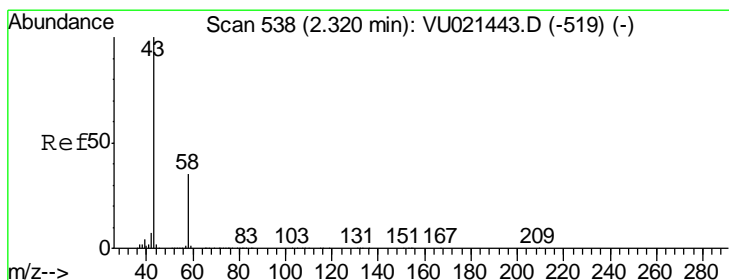
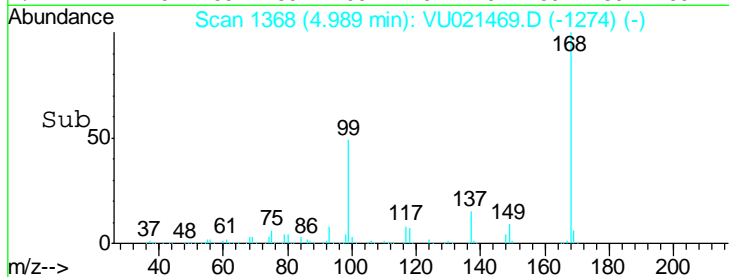
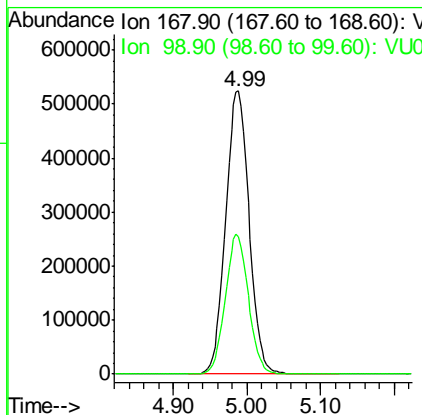
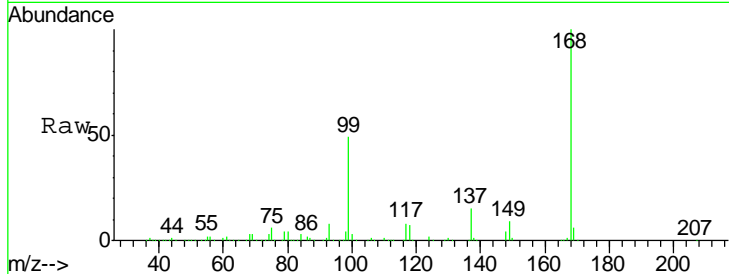
- 1
- 2
- 3
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

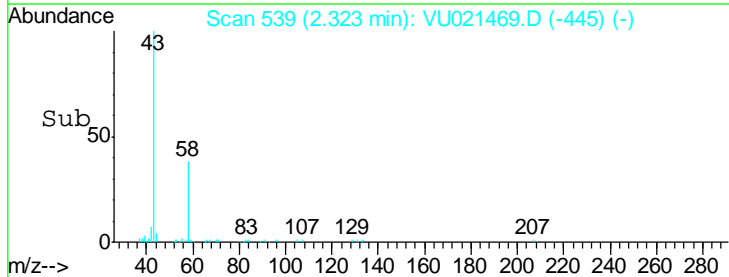
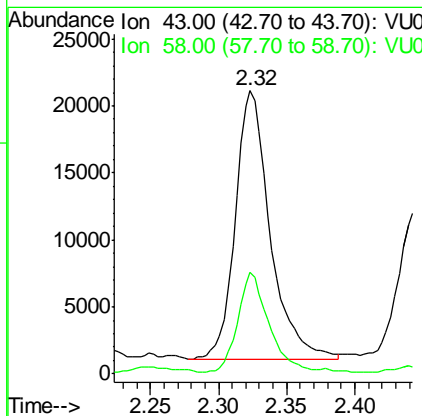
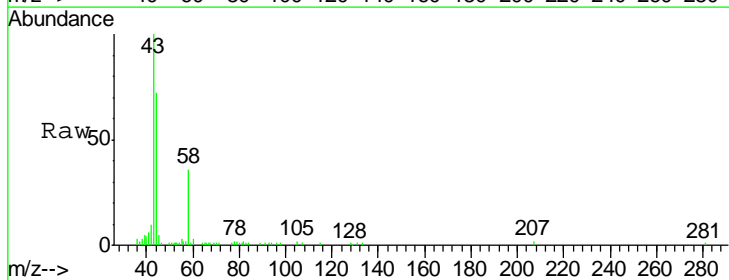
Instrument : MSVOA_U
 ClientSampleId : 913-MW-02(23.8)

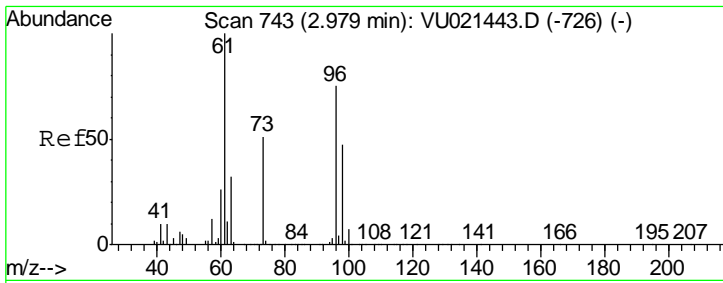
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.6	39.4	59.2



#16
 Acetone
 Concen: 6.11 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

Tgt Ion	Resp	Lower	Upper
43	100		
58	36.8	27.8	41.8

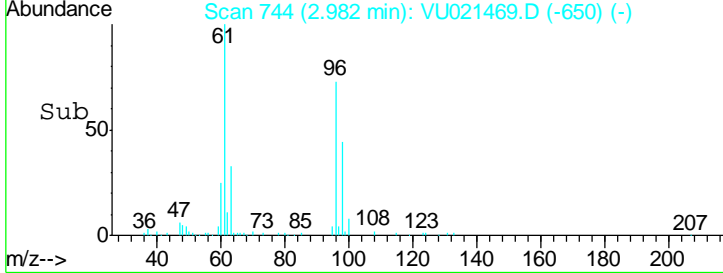
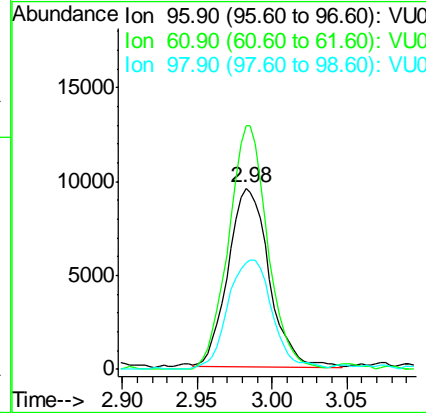
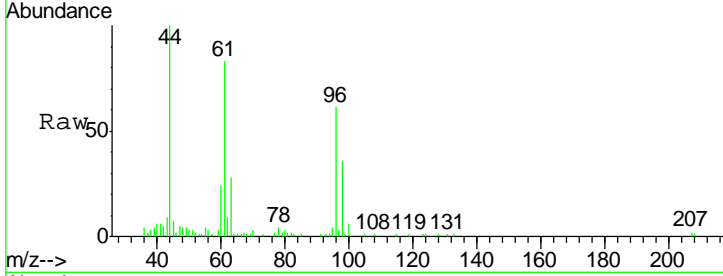




#21
 trans-1,2-Dichloroethene
 Concen: 1.76 ug/l
 RT: 2.98 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

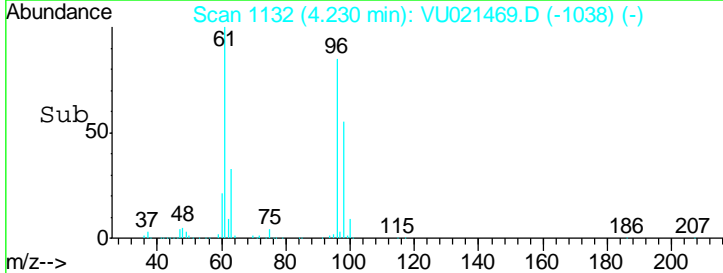
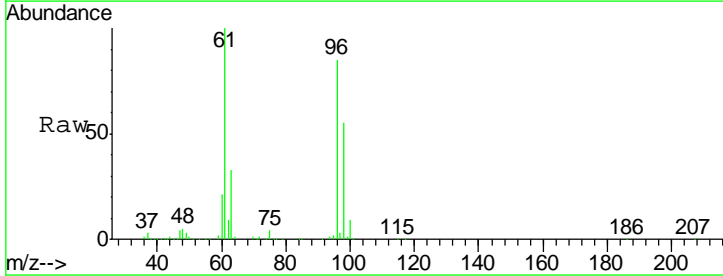
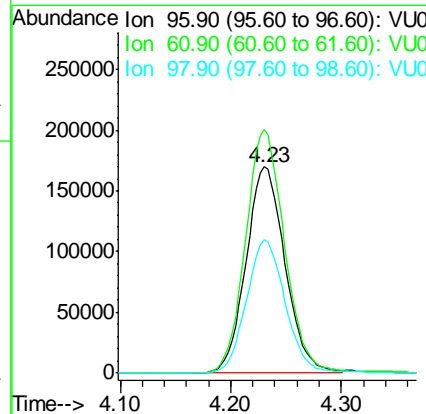
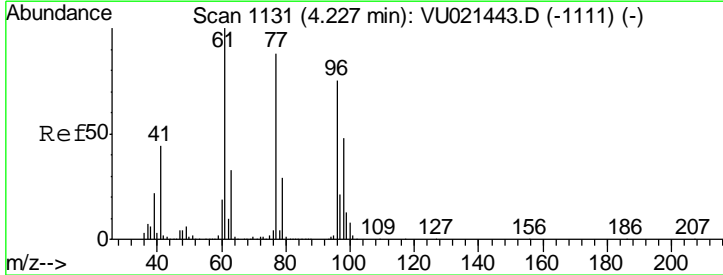
Instrument : MSVOA_U
 ClientSampleId : 913-MW-02(23.8)

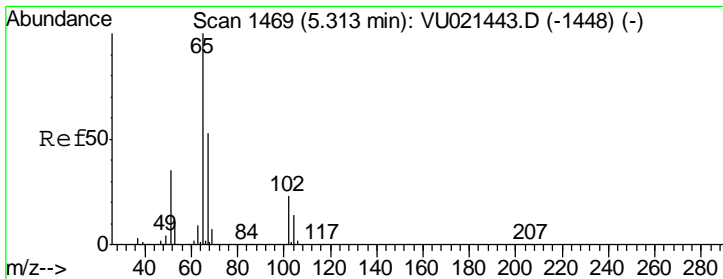
Tgt Ion	Resp	Lower	Upper
96	18307		
61	136.3	106.2	159.4
98	58.3	49.6	74.4



#27
 cis-1,2-Dichloroethene
 Concen: 34.37 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

Tgt Ion	Resp	Lower	Upper
96	416225		
61	118.0	0.0	270.2
98	64.5	0.0	128.2

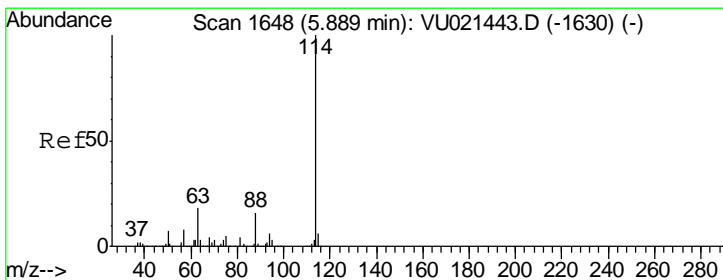
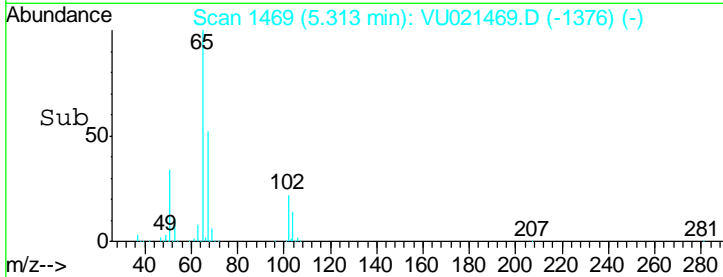
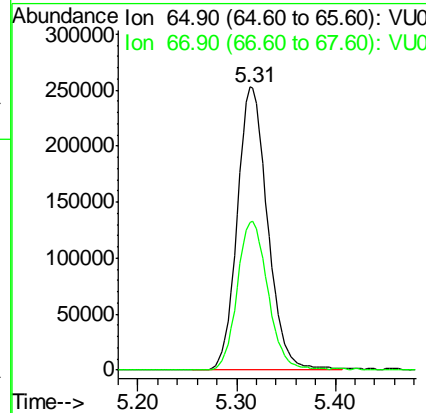
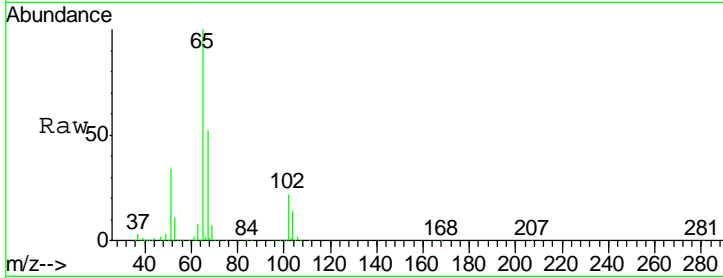




#33
 1,2-Dichloroethane-d4
 Concen: 54.70 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

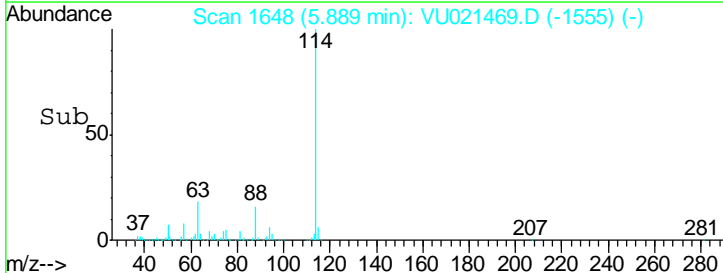
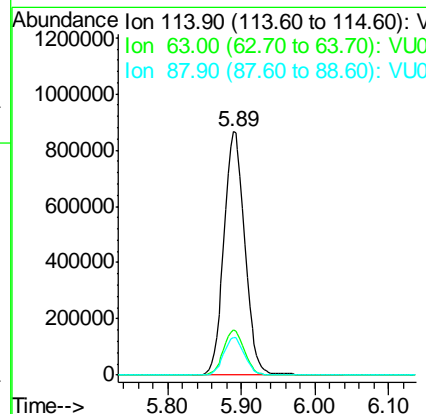
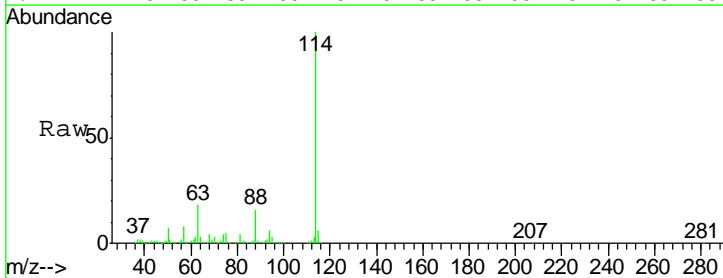
Instrument : MSVOA_U
 ClientSampled : 913-MW-02(23.8)

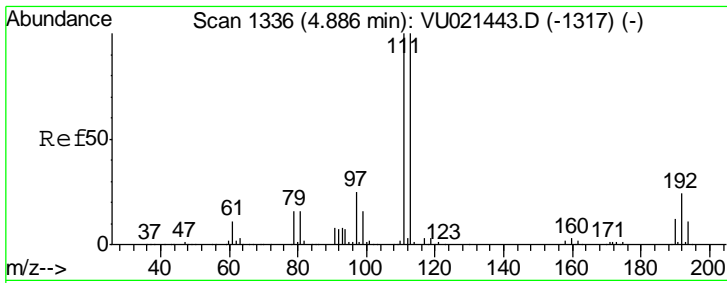
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.2	0.0	106.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.5	0.0	36.6
88	15.6	0.0	31.2

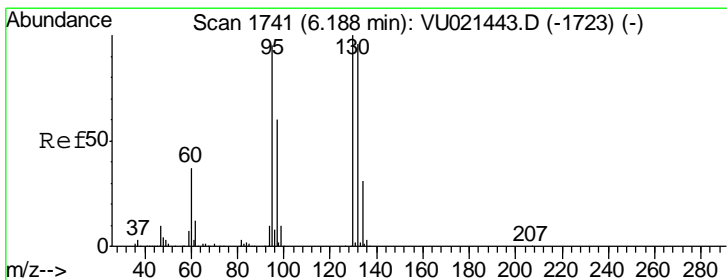
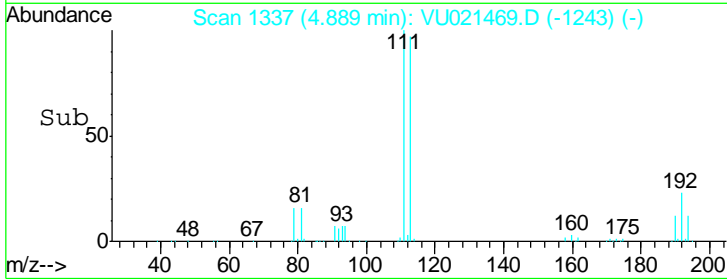
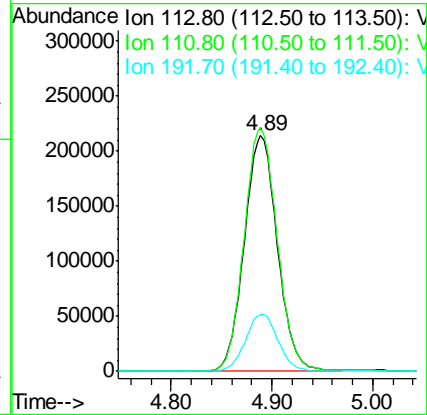
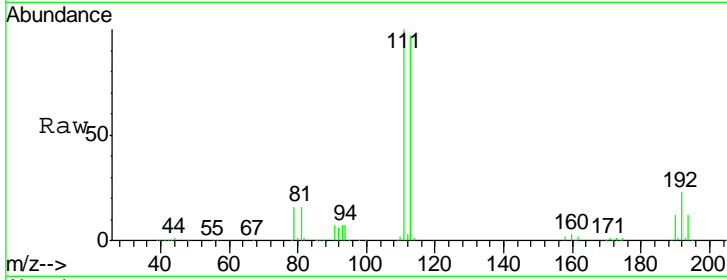




#35
 Dibromofluoromethane
 Concen: 51.47 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

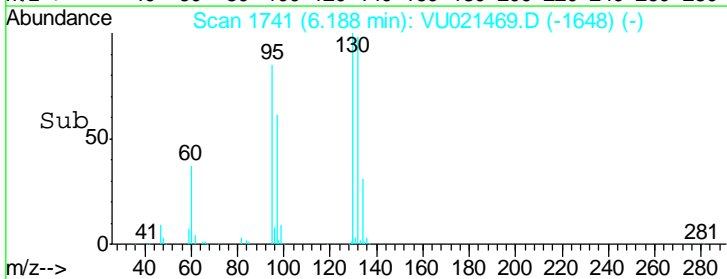
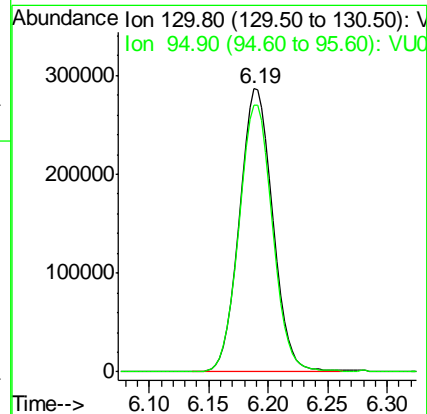
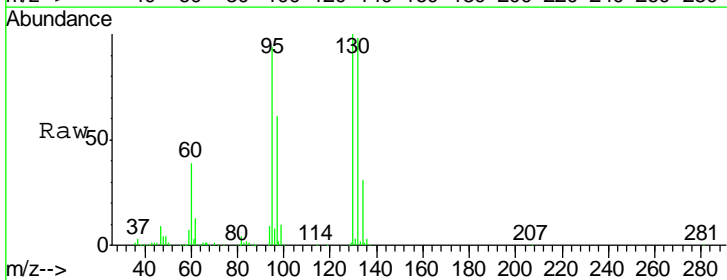
Instrument : MSVOA_U
 ClientSampleId : 913-MW-02(23.8)

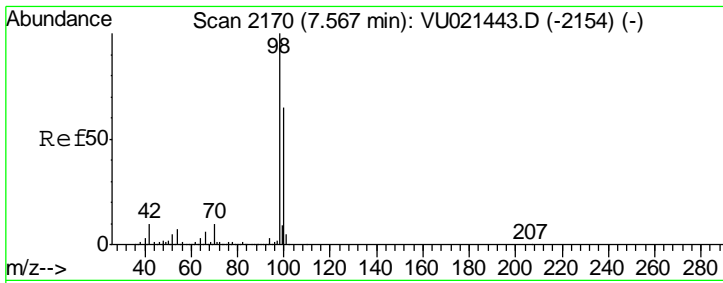
Tgt Ion	Resp	Lower	Upper
113	100		
111	103.0	82.2	123.2
192	23.9	19.0	28.4



#44
 Trichloroethene
 Concen: 42.92 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

Tgt Ion	Resp	Lower	Upper
130	100		
95	94.4	0.0	189.6

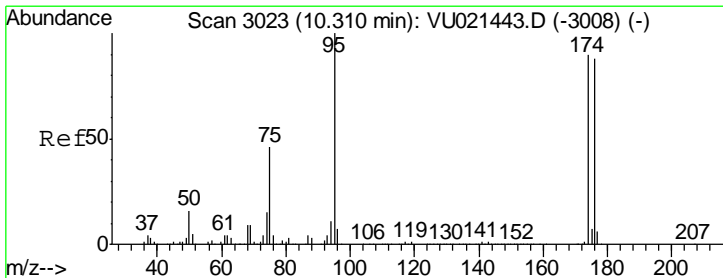
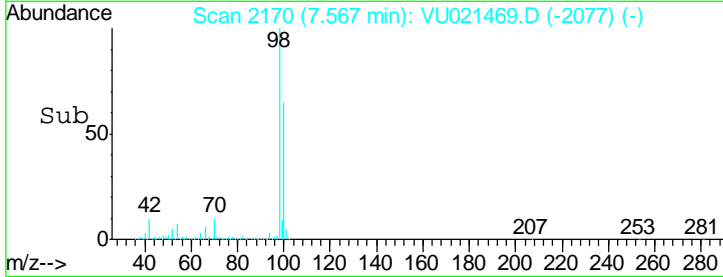
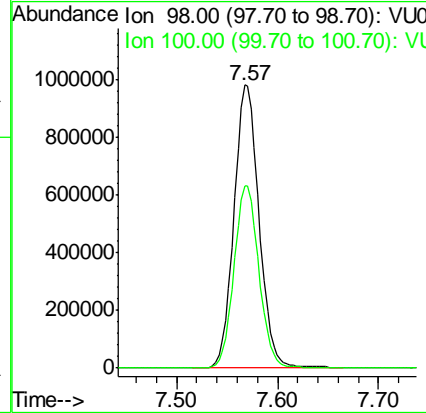
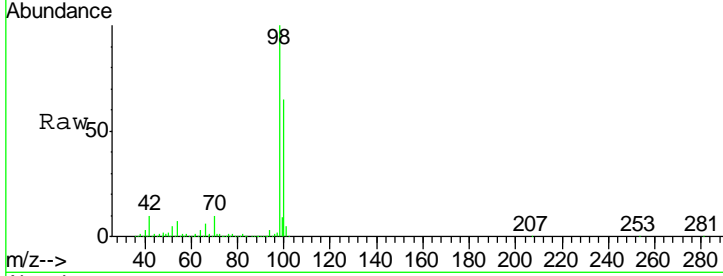




#50
 Toluene-d8
 Concen: 56.53 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

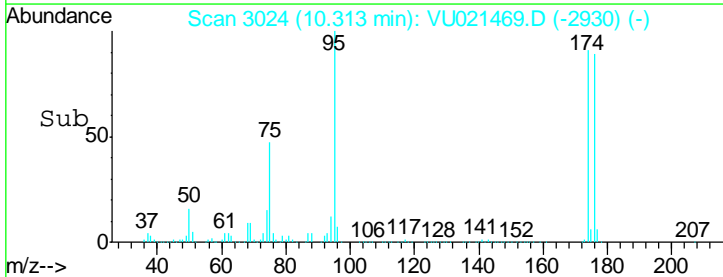
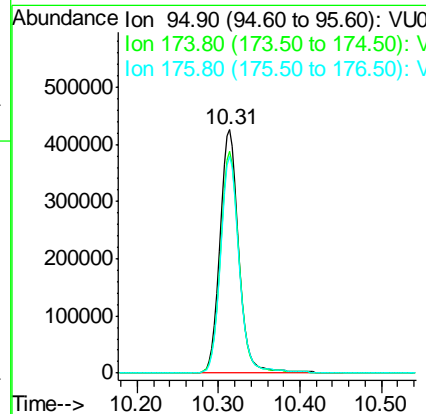
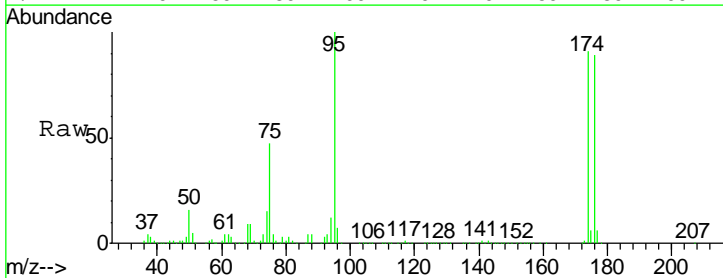
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 ClientSampleId : 913-MW-02(23.8)

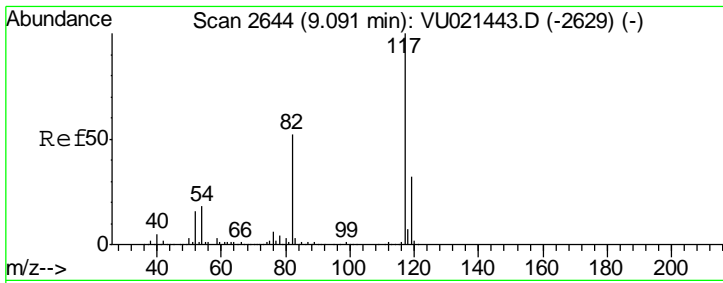
Tgt Ion	Resp	Lower	Upper
98	1703948		
98	100		
100	64.3	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 49.67 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

Tgt Ion	Resp	Lower	Upper
95	697755		
95	100		
174	90.7	0.0	182.6
176	88.7	0.0	178.8



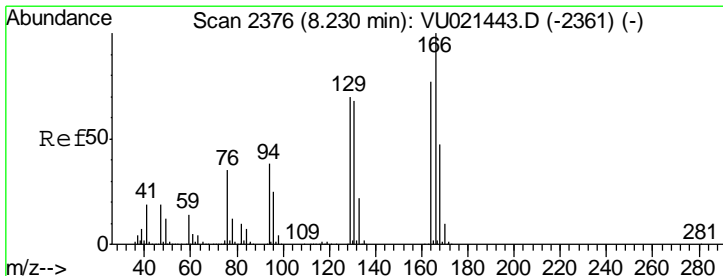
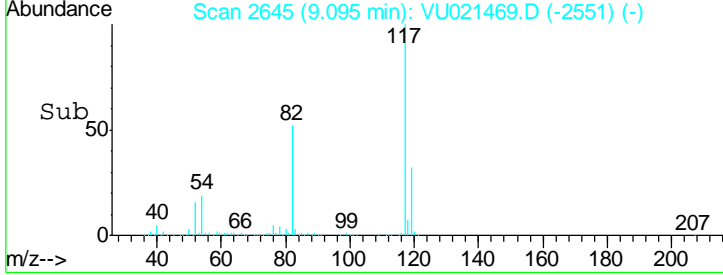
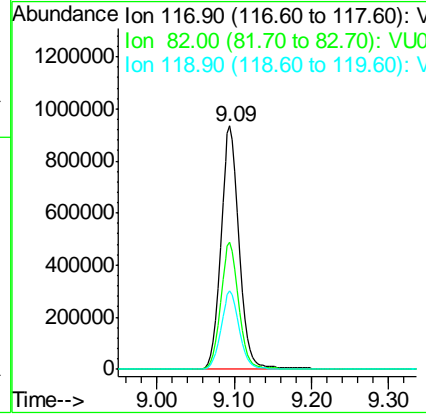
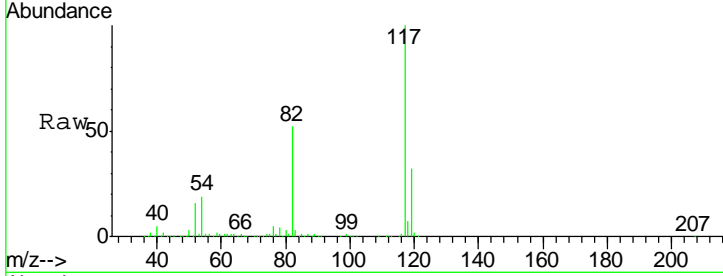


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

Instrument : MSVOA_U
 ClientSampleId : 913-MW-02(23.8)

Tgt Ion:117 Resp: 1561876

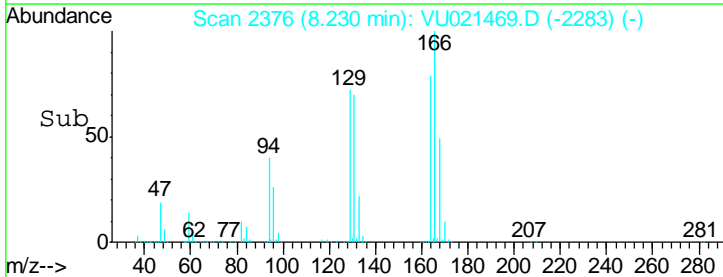
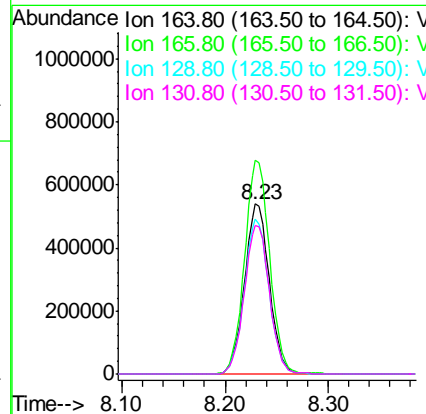
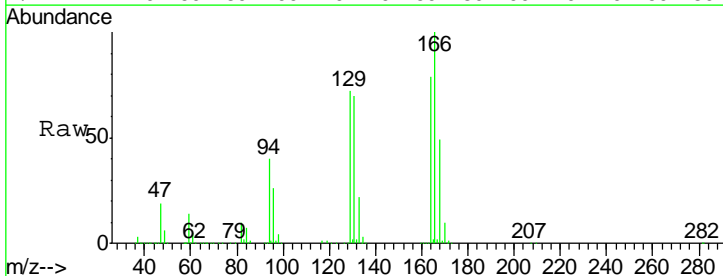
Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.4	62.0
119	32.2	25.7	38.5

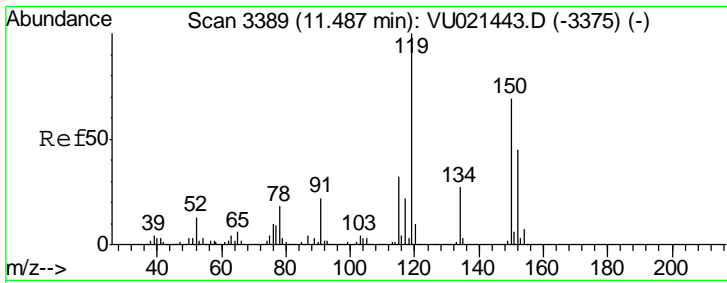


#64
 Tetrachloroethene
 Concen: 73.20 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

Tgt Ion:164 Resp: 899012

Ion	Ratio	Lower	Upper
164	100		
166	125.9	104.1	156.1
129	91.1	73.2	109.8
131	87.8	71.0	106.6

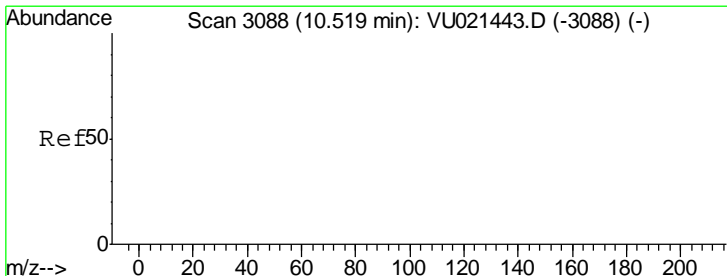
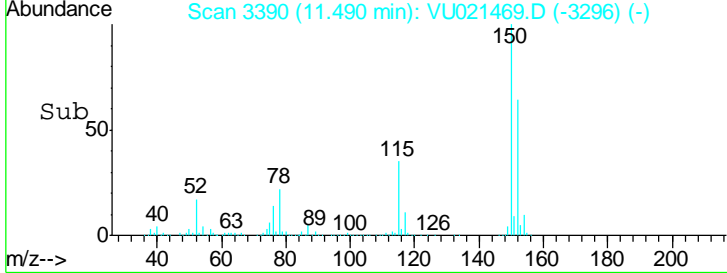
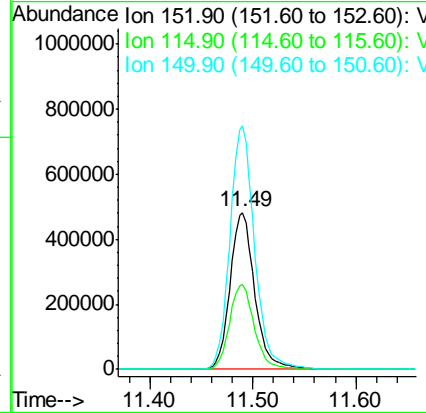
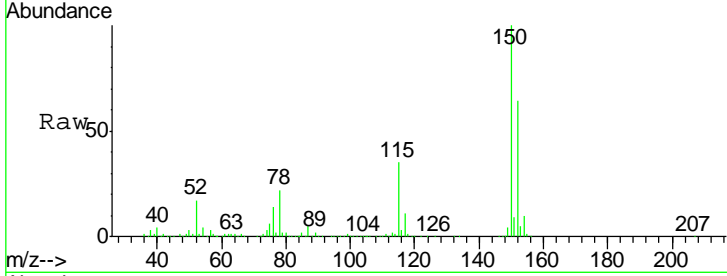




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

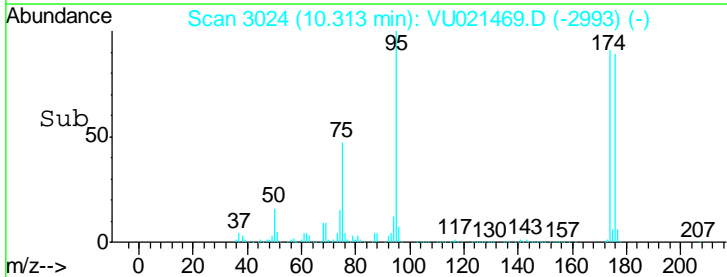
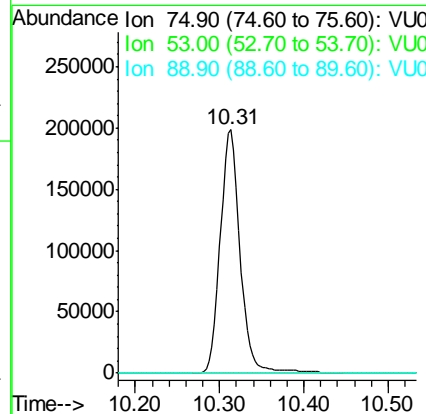
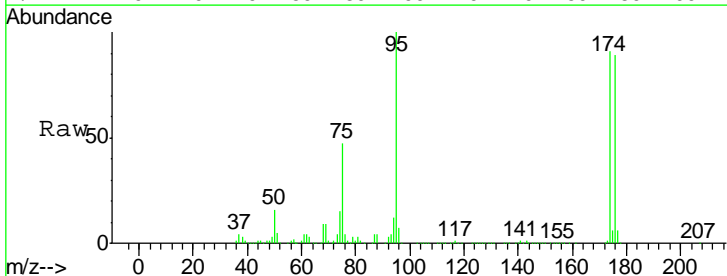
Instrument : MSVOA_U
 ClientSampled : 913-MW-02(23.8)

Tgt Ion	Resp	Lower	Upper
152	100		
115	54.9	38.0	114.1
150	155.6	0.0	343.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.65 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. -0.20 min
 Lab File: VU021469.D
 Acq: 04 Jan 2018 13:24

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021469.D
 Acq On : 04 Jan 2018 13:24
 Operator : MD/SY
 Sample : I7090-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 913-MW-02(23.8)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	132	154	179	rBV	967336	1410670	22.21%	3.591%
2	2.445	567	577	598	rVB	80049	161439	2.54%	0.411%
3	2.982	736	744	759	rVB2	43440	83412	1.31%	0.212%
4	4.230	1113	1132	1160	rBV	697136	1730191	27.24%	4.404%
5	4.889	1319	1337	1352	rBV	714524	1610132	25.35%	4.098%
6	4.985	1352	1367	1392	rVB	1393694	3071919	48.36%	7.819%
7	5.317	1453	1470	1487	rBV	681711	1469348	23.13%	3.740%
8	5.889	1625	1648	1675	rBV	1896899	3794880	59.74%	9.659%
9	6.188	1726	1741	1774	rBV	1494523	2908185	45.78%	7.402%
10	7.567	2155	2170	2202	rBV	2449631	4302218	67.72%	10.951%
11	8.230	2364	2376	2399	rVB	3783835	6352747	100.00%	16.170%
12	9.095	2628	2645	2687	rBV	2607938	4390858	69.12%	11.176%
13	10.313	3008	3024	3065	rBV	2057206	3374662	53.12%	8.590%
14	10.619	3105	3119	3135	rBV2	46352	93373	1.47%	0.238%
15	11.490	3377	3390	3431	rBV	2695983	4532786	71.35%	11.538%

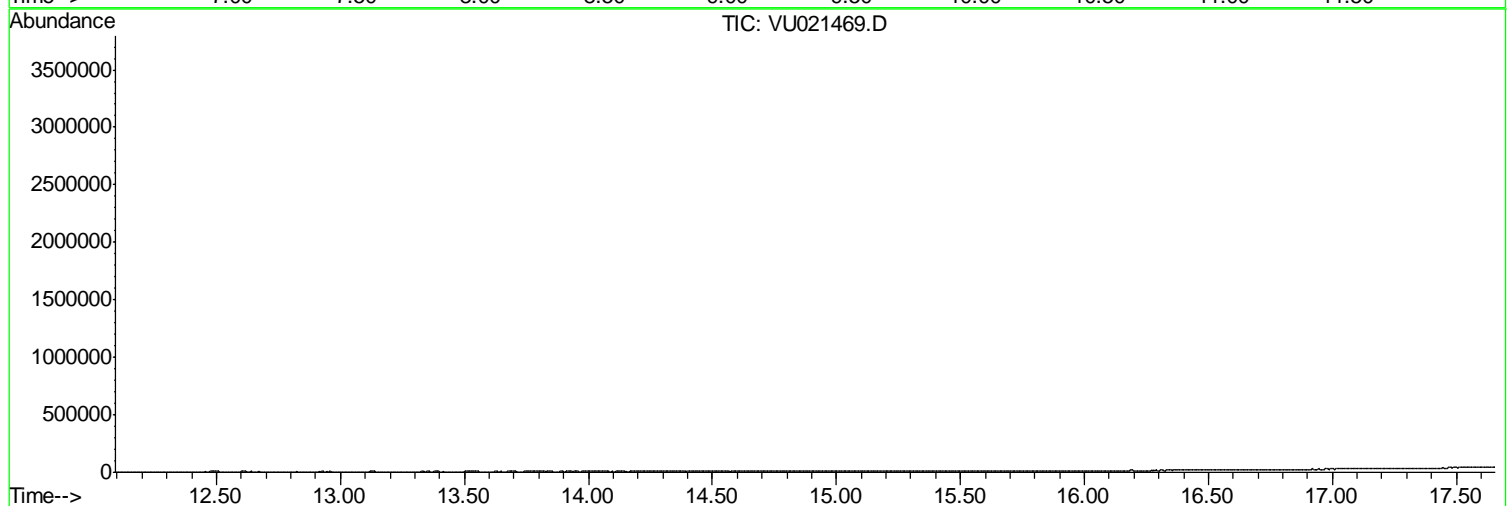
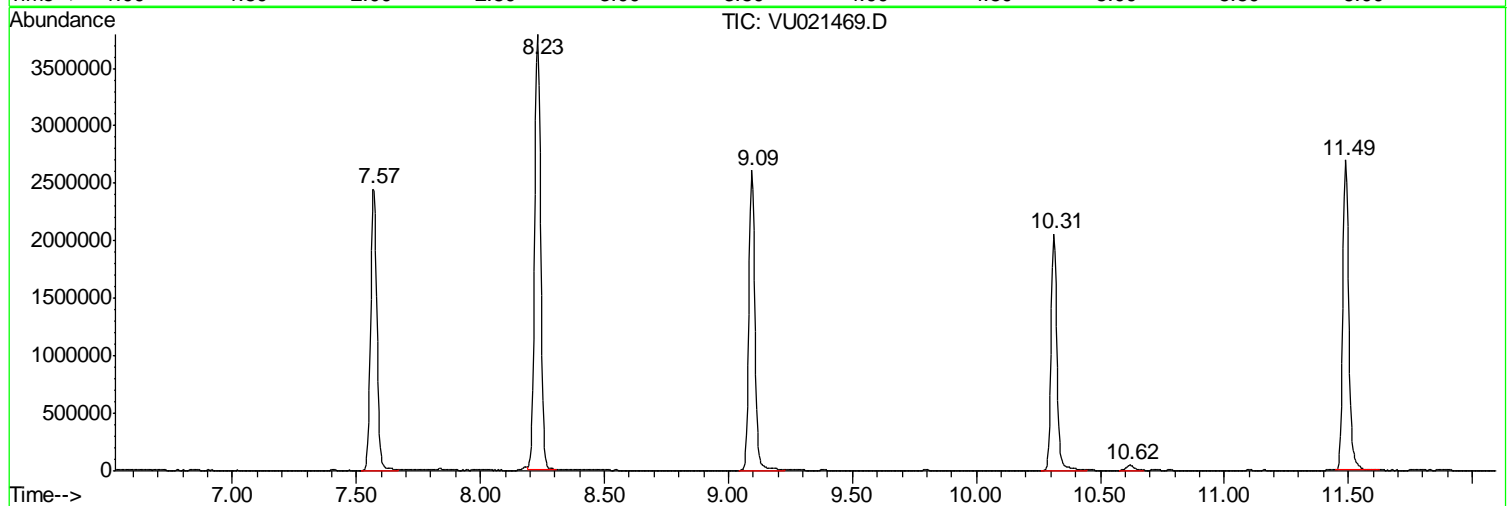
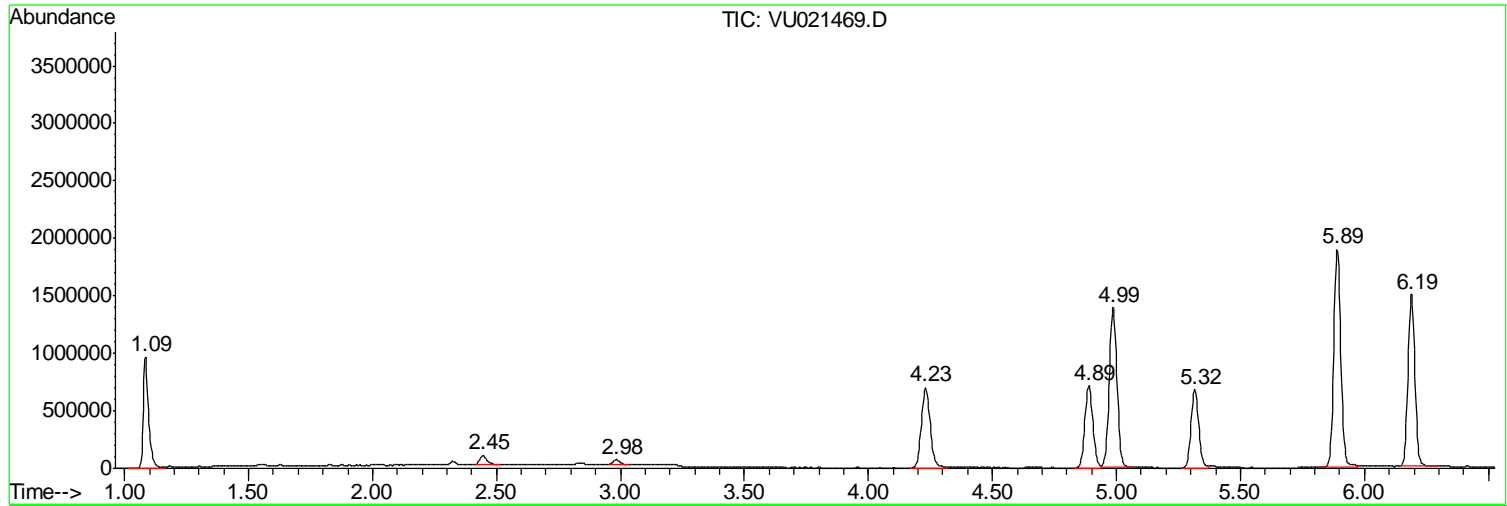
Sum of corrected areas: 39286820

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021469.D
Acq On : 04 Jan 2018 13:24
Operator : MD/SY
Sample : I7090-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
913-MW-02(23.8)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021469.D
Acq On : 04 Jan 2018 13:24
Operator : MD/SY
Sample : I7090-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
913-MW-02(23.8)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021469.D
 Acq On : 04 Jan 2018 13:24
 Operator : MD/SY
 Sample : I7090-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 913-MW-02(23.8)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	914-MW-03A(17)	SDG No.:	17090
Lab Sample ID:	I7090-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021479.D	10		01/04/18 17:52	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10	U	2	2	10	ug/L
74-87-3	Chloromethane	10	U	2	2	10	ug/L
75-01-4	Vinyl Chloride	3.5	J	2	2	10	ug/L
74-83-9	Bromomethane	10	U	2	2	10	ug/L
75-00-3	Chloroethane	10	U	2	5	10	ug/L
75-69-4	Trichlorofluoromethane	10	U	2	2	10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	2	2	10	ug/L
75-35-4	1,1-Dichloroethene	10	U	2	2	10	ug/L
67-64-1	Acetone	50	U	5	10	50	ug/L
75-15-0	Carbon Disulfide	10	U	2	2	10	ug/L
1634-04-4	Methyl tert-butyl Ether	10	U	3.5	5	10	ug/L
79-20-9	Methyl Acetate	10	U	2	5	10	ug/L
75-09-2	Methylene Chloride	10	U	2	2	10	ug/L
156-60-5	trans-1,2-Dichloroethene	10	U	2	2	10	ug/L
75-34-3	1,1-Dichloroethane	10	U	2	2	10	ug/L
110-82-7	Cyclohexane	10	U	2	2	10	ug/L
78-93-3	2-Butanone	50	U	13.2	25	50	ug/L
56-23-5	Carbon Tetrachloride	10	U	2	2	10	ug/L
156-59-2	cis-1,2-Dichloroethene	140		2	2	10	ug/L
74-97-5	Bromochloromethane	10	U	2	5	10	ug/L
67-66-3	Chloroform	10	U	2	2	10	ug/L
71-55-6	1,1,1-Trichloroethane	10	U	2	2	10	ug/L
108-87-2	Methylcyclohexane	10	U	2	2	10	ug/L
71-43-2	Benzene	10	U	2	2	10	ug/L
107-06-2	1,2-Dichloroethane	10	U	2	2	10	ug/L
79-01-6	Trichloroethene	100		2	2	10	ug/L
78-87-5	1,2-Dichloropropane	10	U	2	2	10	ug/L
75-27-4	Bromodichloromethane	10	U	2	2	10	ug/L
108-10-1	4-Methyl-2-Pentanone	50	U	10	10	50	ug/L
108-88-3	Toluene	10	U	2	2	10	ug/L
10061-02-6	t-1,3-Dichloropropene	10	U	2	2	10	ug/L
10061-01-5	cis-1,3-Dichloropropene	10	U	2	2	10	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	914-MW-03A(17)	SDG No.:	17090
Lab Sample ID:	I7090-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021479.D	10		01/04/18 17:52	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10	U	2	2	10	ug/L
591-78-6	2-Hexanone	50	U	19.4	25	50	ug/L
124-48-1	Dibromochloromethane	10	U	2	2	10	ug/L
106-93-4	1,2-Dibromoethane	10	U	2	2	10	ug/L
127-18-4	Tetrachloroethene	710		2	2	10	ug/L
108-90-7	Chlorobenzene	10	U	2	2	10	ug/L
100-41-4	Ethyl Benzene	10	U	2	2	10	ug/L
179601-23-1	m/p-Xylenes	20	U	4	4	20	ug/L
95-47-6	o-Xylene	10	U	2	2	10	ug/L
100-42-5	Styrene	10	U	2	2	10	ug/L
75-25-2	Bromoform	10	U	2	2	10	ug/L
98-82-8	Isopropylbenzene	10	U	2	2	10	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10	U	2	2	10	ug/L
541-73-1	1,3-Dichlorobenzene	10	U	2	2	10	ug/L
106-46-7	1,4-Dichlorobenzene	10	U	2	2	10	ug/L
95-50-1	1,2-Dichlorobenzene	10	U	2	2	10	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	2	2	10	ug/L
120-82-1	1,2,4-Trichlorobenzene	10	U	2	2	10	ug/L
87-61-6	1,2,3-Trichlorobenzene	10	U	2	2	10	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.1		61 - 141		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	52.8		65 - 126		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.9		58 - 135		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1294050	4.99				
540-36-3	1,4-Difluorobenzene	1907430	5.89				
3114-55-4	Chlorobenzene-d5	1682290	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	810205	11.49				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	914-MW-03A(17)	SDG No.:	17090
Lab Sample ID:	I7090-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021479.D	10		01/04/18 17:52	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021479.D
 Acq On : 04 Jan 2018 17:52
 Operator : MD/SY
 Sample : I7090-03 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 914-MW-03A(17)

Quant Time: Jan 05 00:54:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

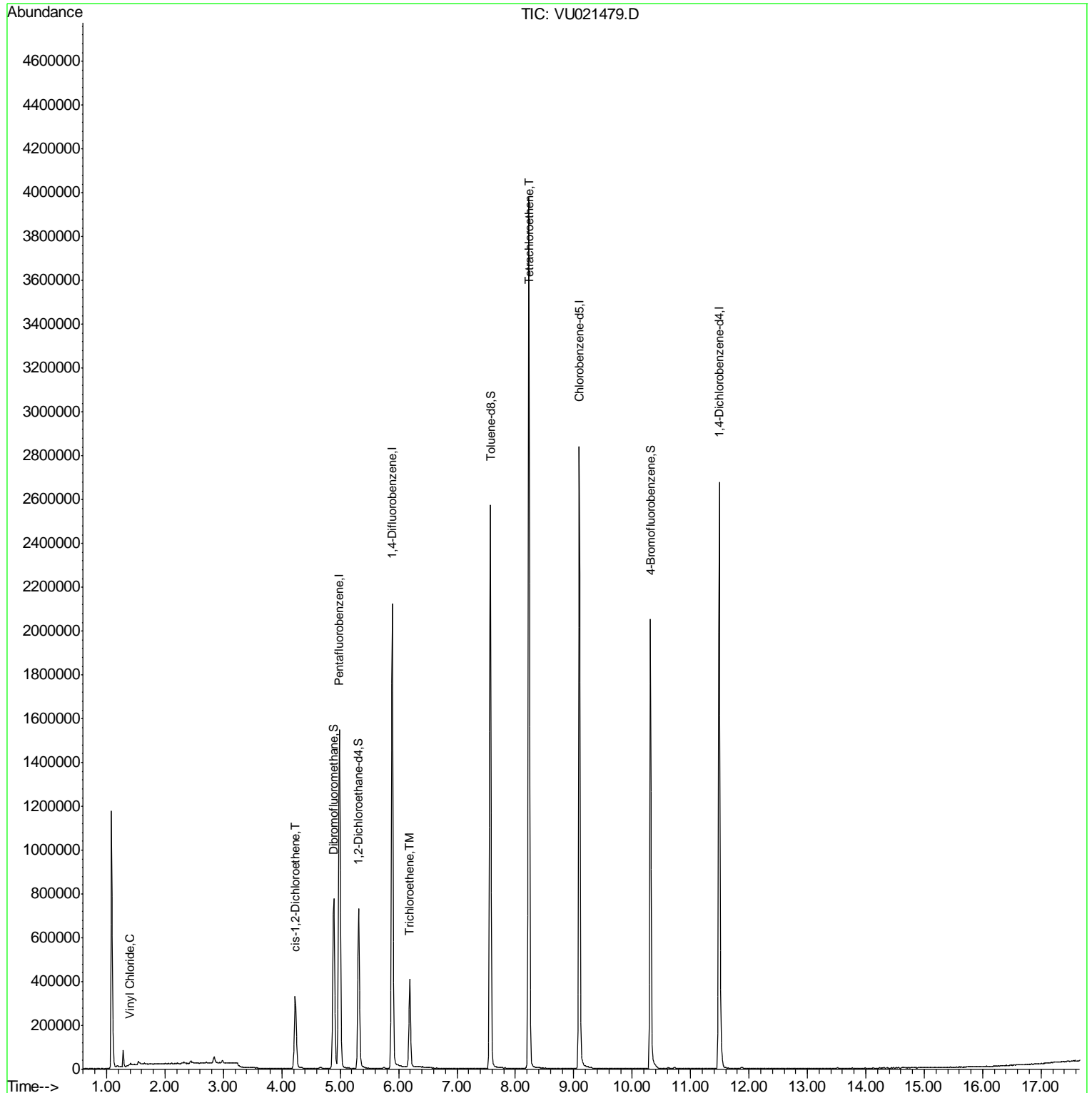
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1294051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1907429	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1682288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	810205	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	586704	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	4.89	113	531559	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	7.57	98	1776714	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	10.31	95	689207	43.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.88%	
Target Compounds						
4) Vinyl Chloride	1.40	62	4547	0.35	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	190793	14.10	ug/l	91
44) Trichloroethene	6.19	130	147625	10.21	ug/l	99
64) Tetrachloroethene	8.23	164	936279	70.78	ug/l	98

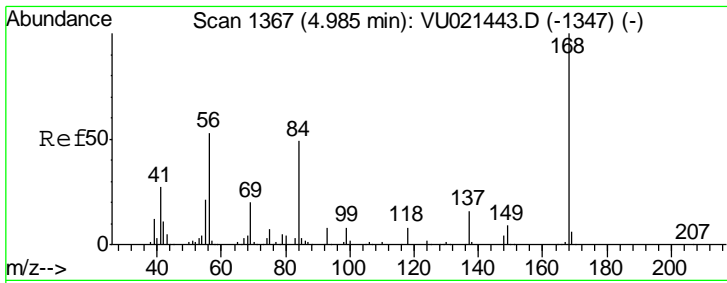
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021479.D
Acq On : 04 Jan 2018 17:52
Operator : MD/SY
Sample : I7090-03 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
914-MW-03A(17)

Quant Time: Jan 05 00:54:17 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

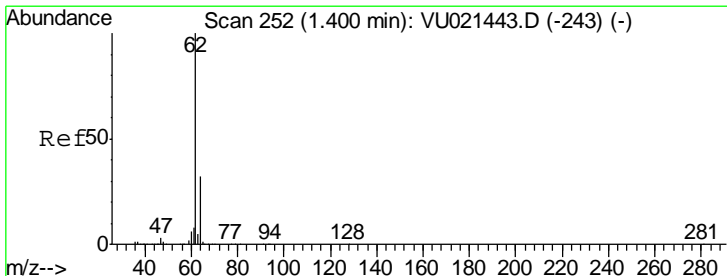
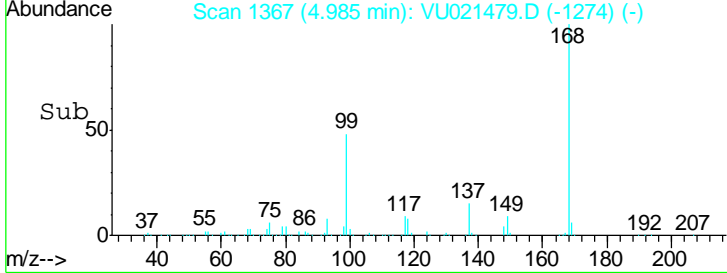
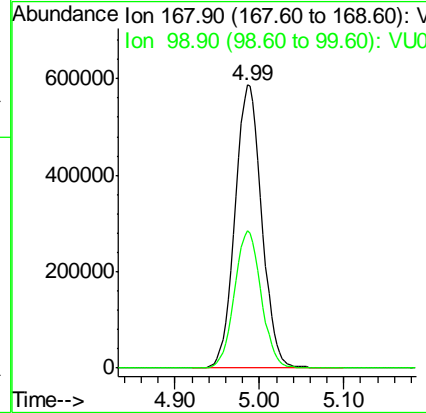
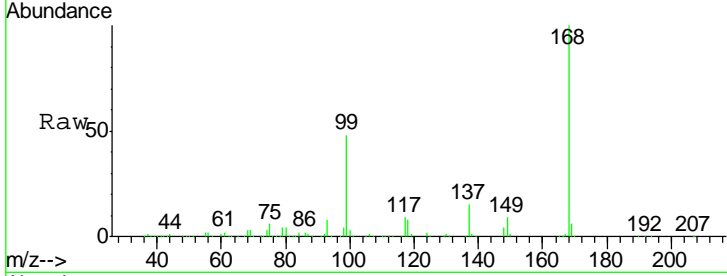




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU021479.D
 Acq: 04 Jan 2018 17:52

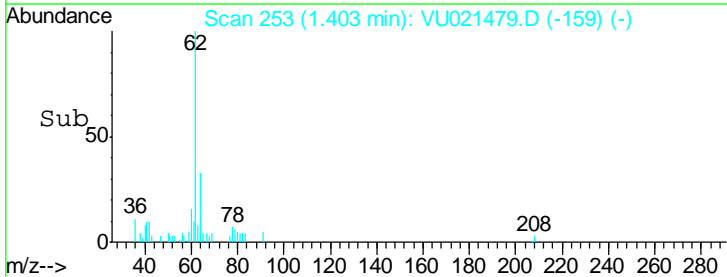
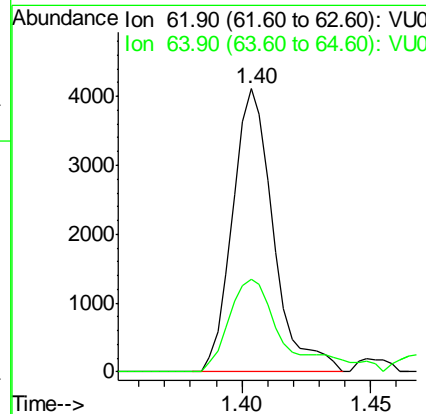
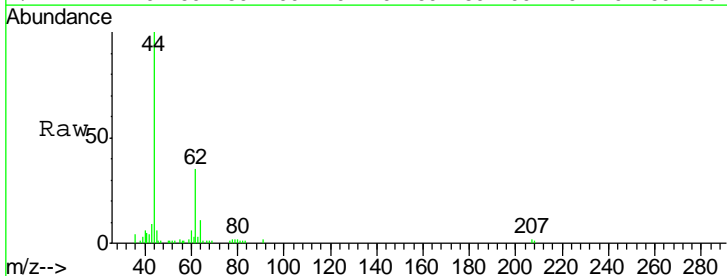
Instrument : MSVOA_U
 ClientSampleId : 914-MW-03A(17)

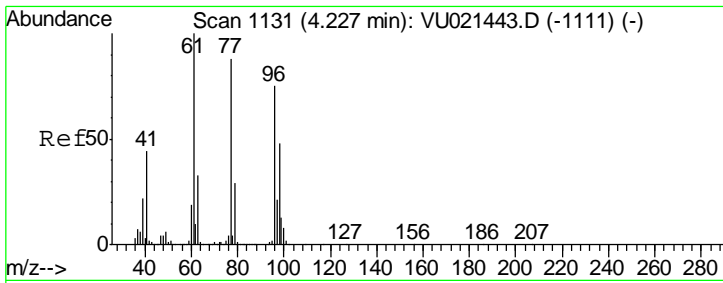
Tgt Ion: 168 Resp: 1294051
 Ion Ratio Lower Upper
 168 100
 99 48.4 39.4 59.2



#4
 Vinyl Chloride
 Concen: 0.35 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VU021479.D
 Acq: 04 Jan 2018 17:52

Tgt Ion: 62 Resp: 4547
 Ion Ratio Lower Upper
 62 100
 64 32.5 25.4 38.0

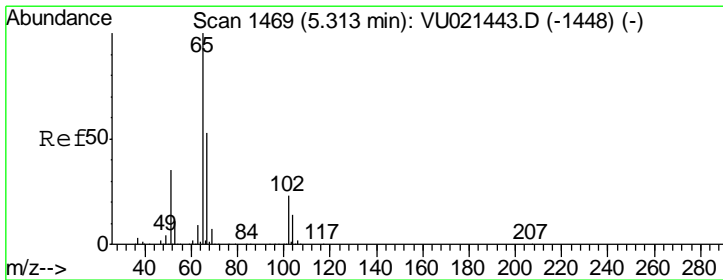
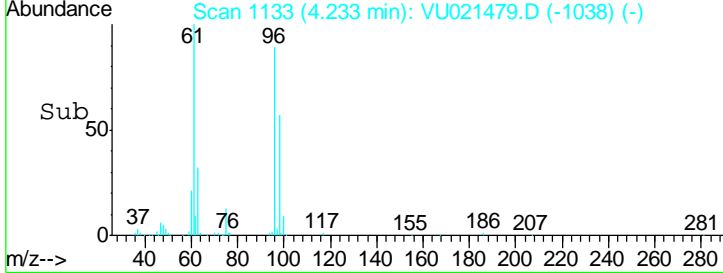
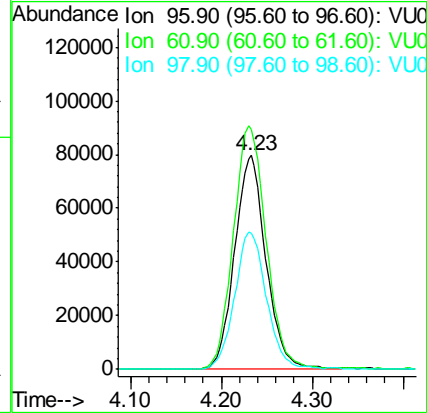
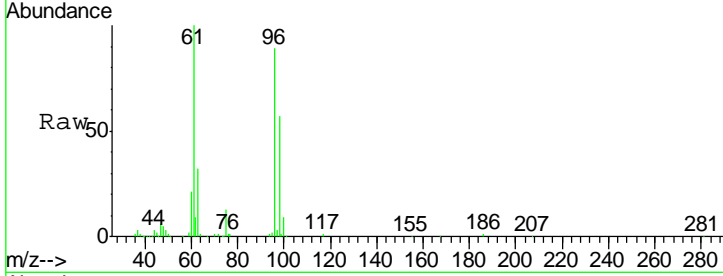




#27
 cis-1,2-Dichloroethene
 Concen: 14.10 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VU021479.D
 Acq: 04 Jan 2018 17:52

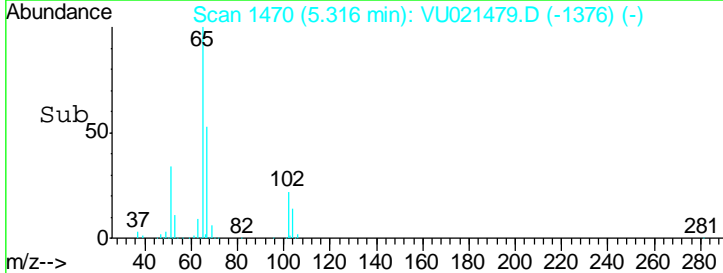
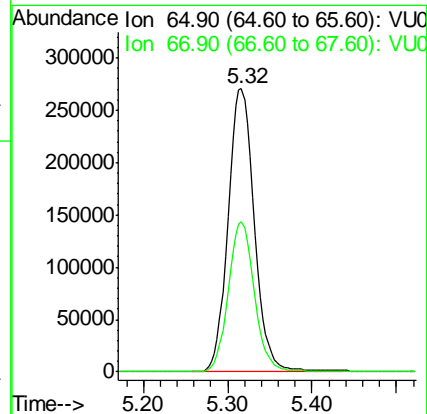
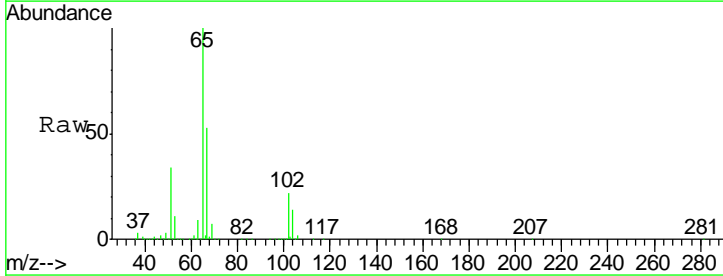
Instrument : MSVOA_U
 ClientSampleId : 914-MW-03A(17)

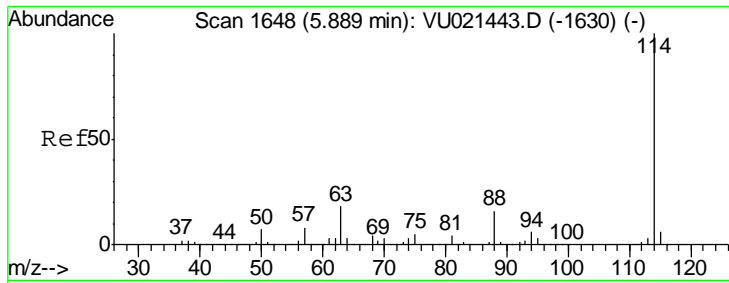
Tgt Ion	Resp	Lower	Upper
96	190793		
61	119.1	0.0	270.2
98	65.0	0.0	128.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.14 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021479.D
 Acq: 04 Jan 2018 17:52

Tgt Ion	Resp	Lower	Upper
65	586704		
67	52.6	0.0	106.6

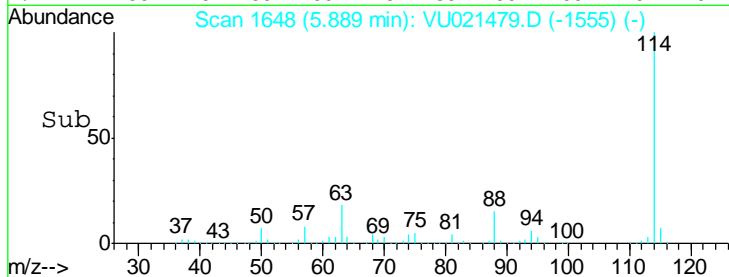
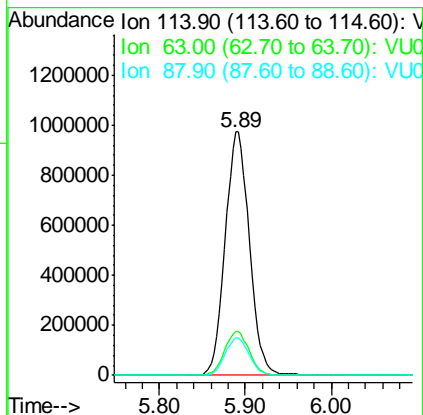
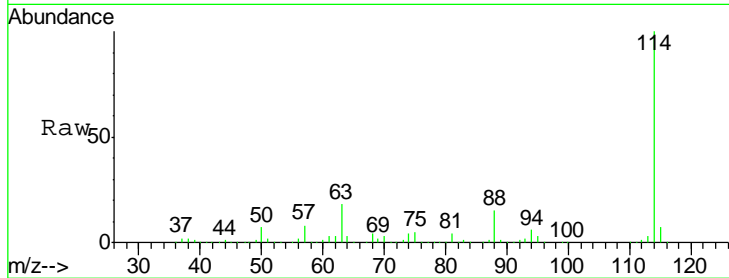




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU021479.D
 Acq: 04 Jan 2018 17:52

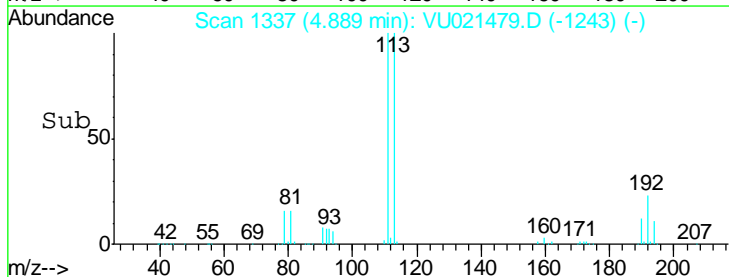
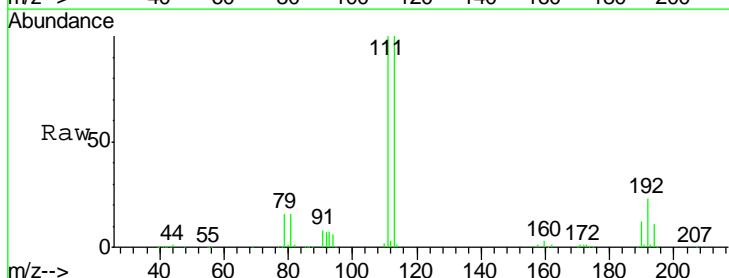
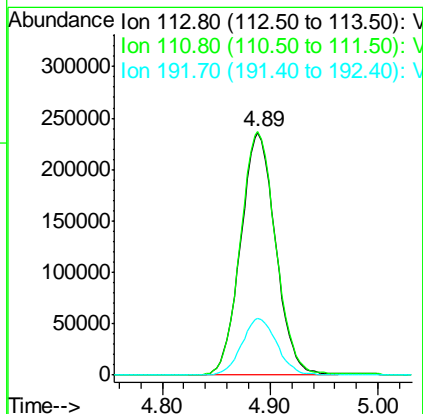
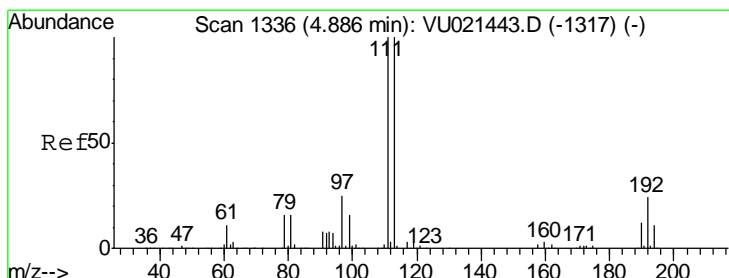
Instrument : MSVOA_U
 ClientSampled : 914-MW-03A(17)

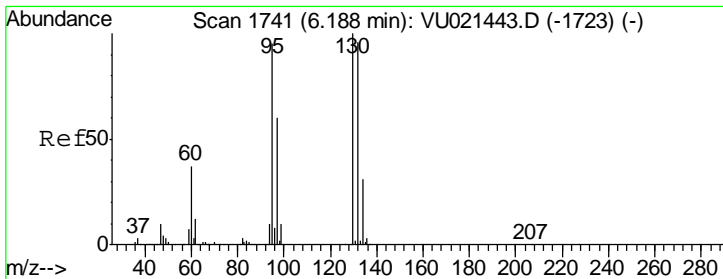
Tgt Ion	Resp	Lower	Upper
114	1907429		
63	18.2	0.0	36.6
88	15.4	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 50.34 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021479.D
 Acq: 04 Jan 2018 17:52

Tgt Ion	Resp	Lower	Upper
113	531559		
111	101.4	82.2	123.2
192	23.5	19.0	28.4

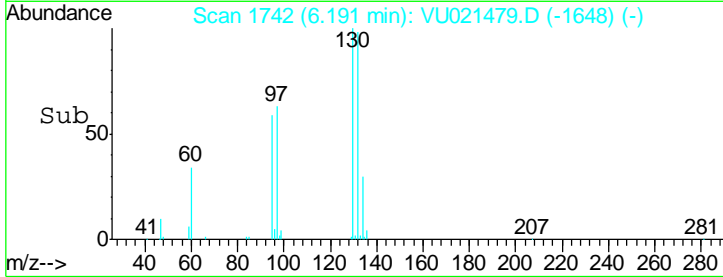
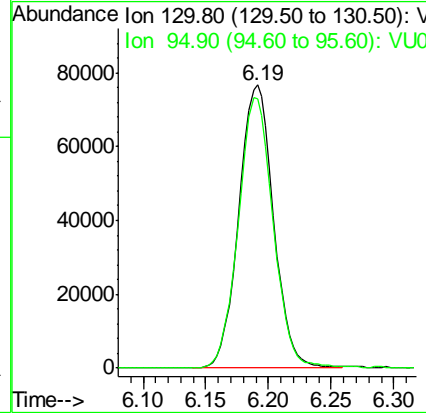
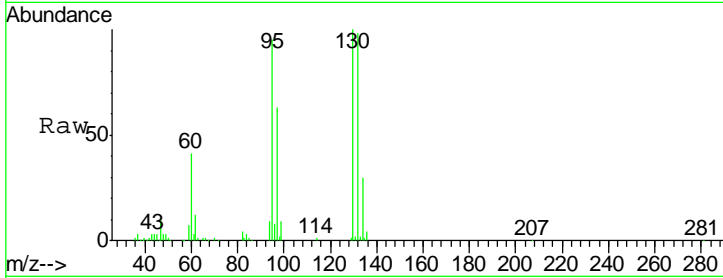




#44
 Trichloroethene
 Concen: 10.21 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU021479.D
 Acq: 04 Jan 2018 17:52

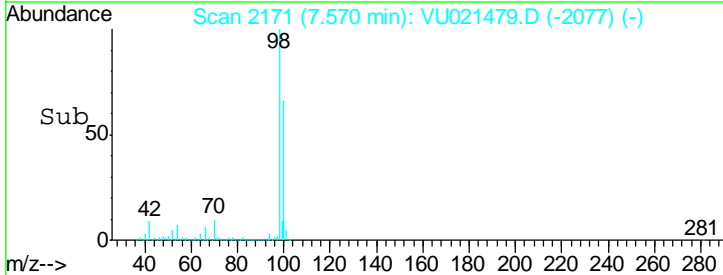
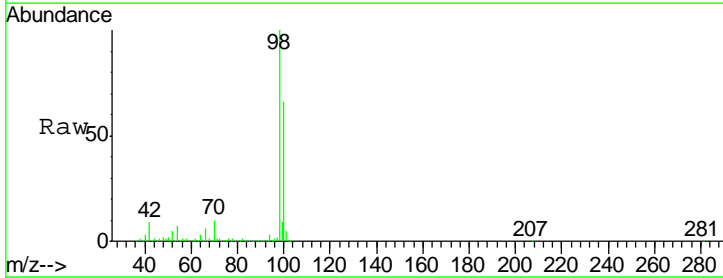
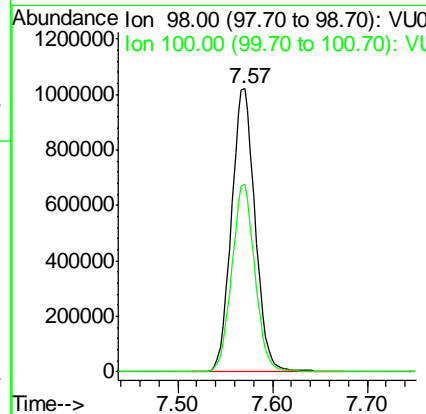
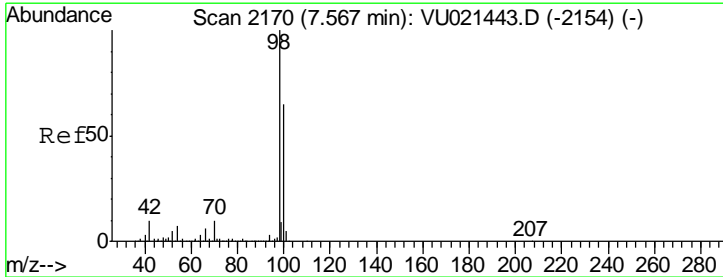
Instrument : MSVOA_U
 ClientSampleId : 914-MW-03A(17)

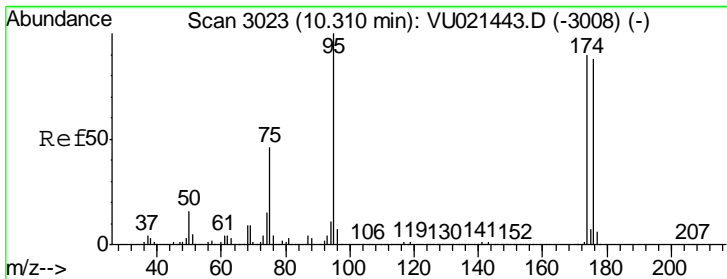
Tgt Ion	Resp	Lower	Upper
130	147625		
95	95.3	0.0	189.6



#50
 Toluene-d8
 Concen: 52.79 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021479.D
 Acq: 04 Jan 2018 17:52

Tgt Ion	Resp	Lower	Upper
98	1776714		
100	64.8	51.8	77.8

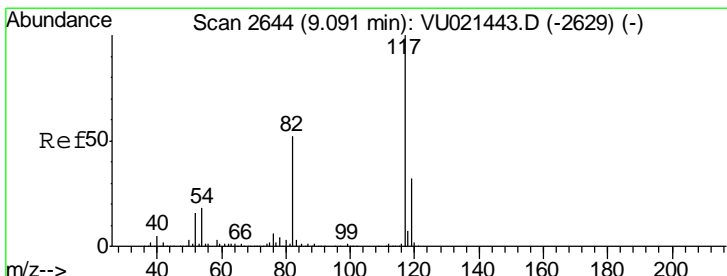
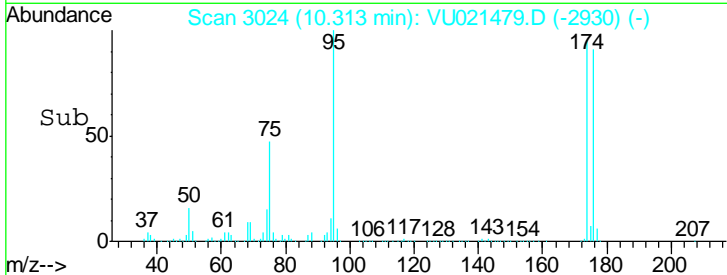
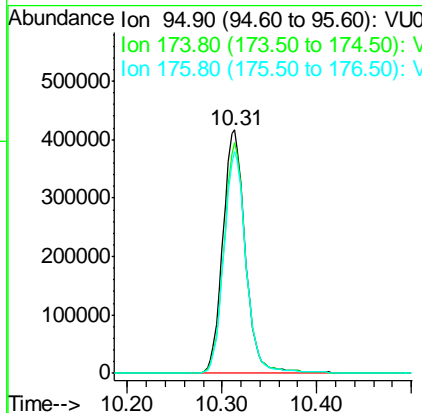
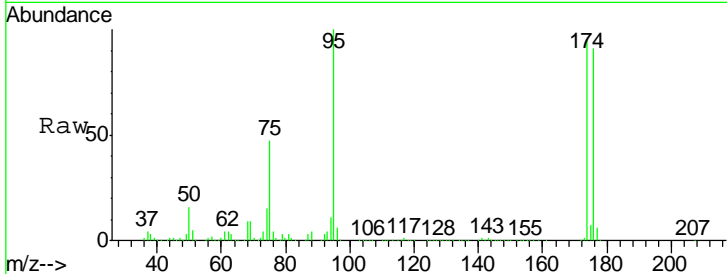




#62
 4-Bromofluorobenzene
 Concen: 43.94 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021479.D
 Acq: 04 Jan 2018 17:52

Instrument : MSVOA_U
 Client Sampled : 914-MW-03A(17)

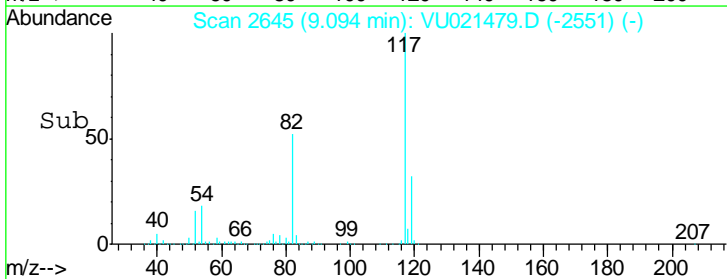
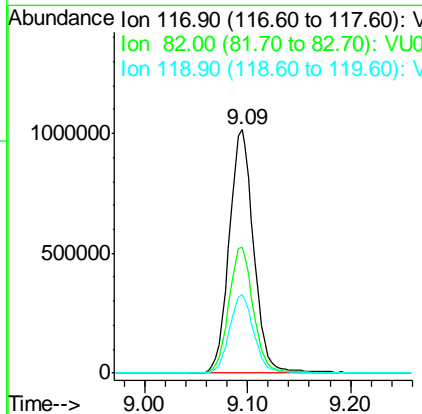
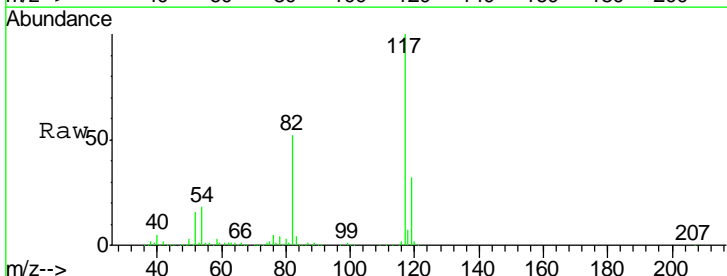
Tgt Ion	Resp	Lower	Upper
95	689207		
174	92.6	0.0	182.6
176	90.1	0.0	178.8

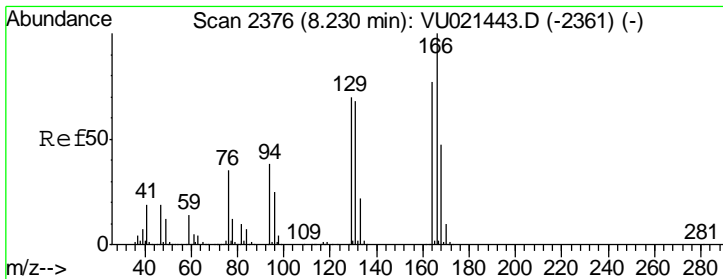


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021479.D
 Acq: 04 Jan 2018 17:52

Instrument : MSVOA_U
 Client Sampled : 914-MW-03A(17)

Tgt Ion	Resp	Lower	Upper
117	1682288		
82	51.7	41.4	62.0
119	32.0	25.7	38.5

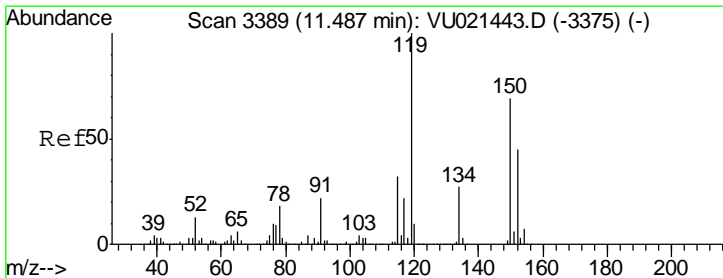
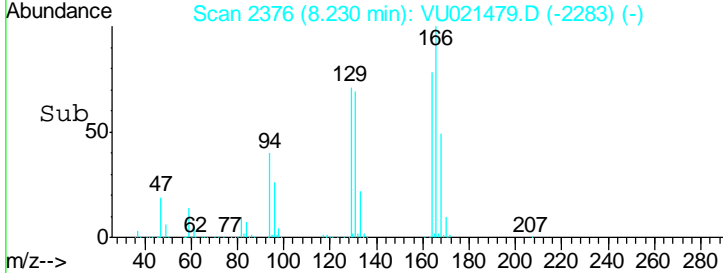
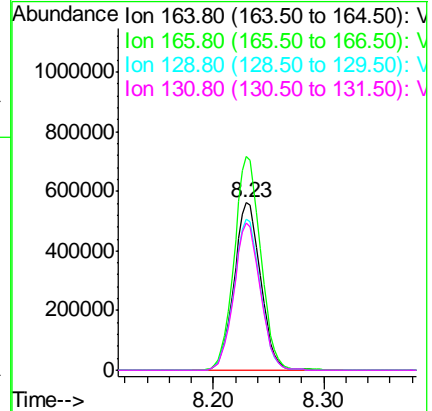
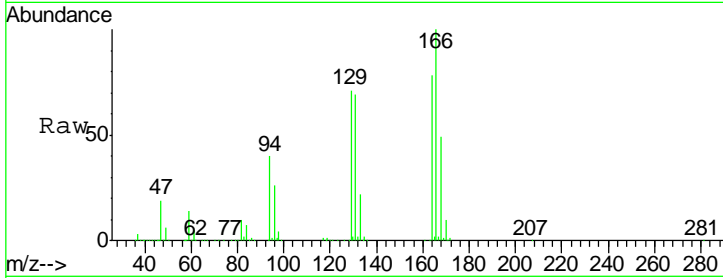




#64
 Tetrachloroethene
 Concen: 70.78 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU021479.D
 Acq: 04 Jan 2018 17:52

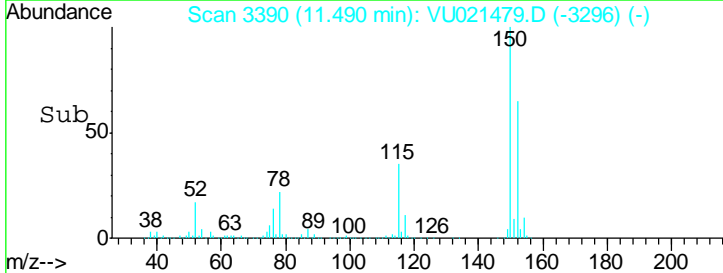
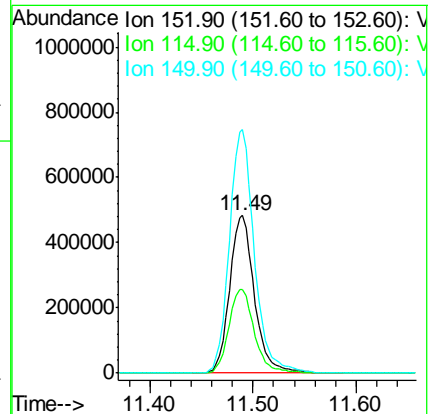
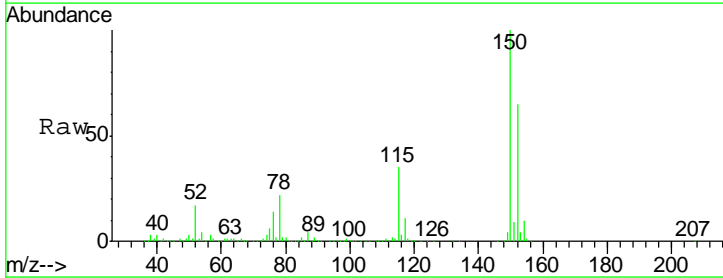
Instrument : MSVOA_U
 Client Sampled : 914-MW-03A(17)

Tgt Ion	Resp	Lower	Upper
164	100		
166	127.6	104.1	156.1
129	90.5	73.2	109.8
131	87.7	71.0	106.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021479.D
 Acq: 04 Jan 2018 17:52

Tgt Ion	Resp	Lower	Upper
152	100		
115	54.7	38.0	114.1
150	155.3	0.0	343.2



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021479.D
 Acq On : 04 Jan 2018 17:52
 Operator : MD/SY
 Sample : I7090-03 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 914-MW-03A(17)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	136	154	178	rBV	1177229	1754942	26.49%	4.604%
2	1.284	209	216	227	rVB	77134	78840	1.19%	0.207%
3	4.230	1113	1132	1157	rBV3	330654	831943	12.56%	2.183%
4	4.889	1319	1337	1352	rBV	774025	1741621	26.29%	4.569%
5	4.985	1352	1367	1393	rVB	1542612	3411334	51.49%	8.949%
6	5.316	1452	1470	1497	rBV	729644	1581131	23.87%	4.148%
7	5.889	1629	1648	1671	rBV	2122475	4181672	63.12%	10.970%
8	6.191	1728	1742	1764	rVB	398227	773827	11.68%	2.030%
9	7.570	2157	2171	2198	rBV	2570154	4478608	67.60%	11.749%
10	8.230	2355	2376	2403	rBV	3974505	6624977	100.00%	17.380%
11	9.094	2629	2645	2673	rBV	2839088	4715413	71.18%	12.371%
12	10.313	3011	3024	3068	rBV	2050168	3377003	50.97%	8.859%
13	11.490	3376	3390	3421	rBV	2676084	4566796	68.93%	11.981%

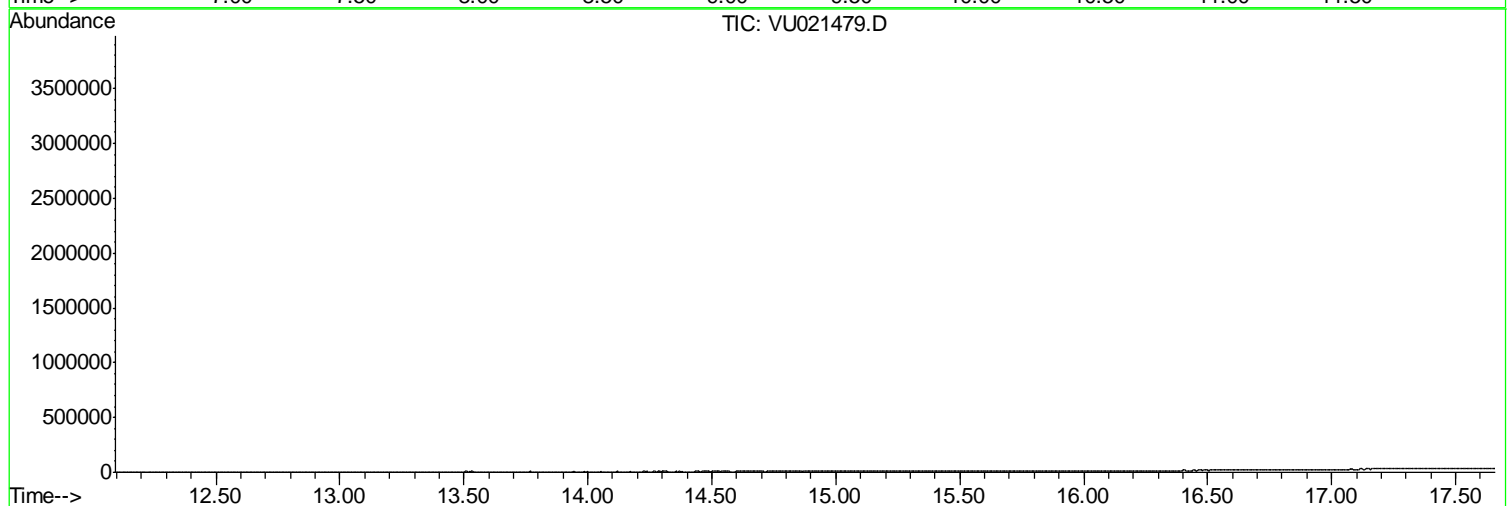
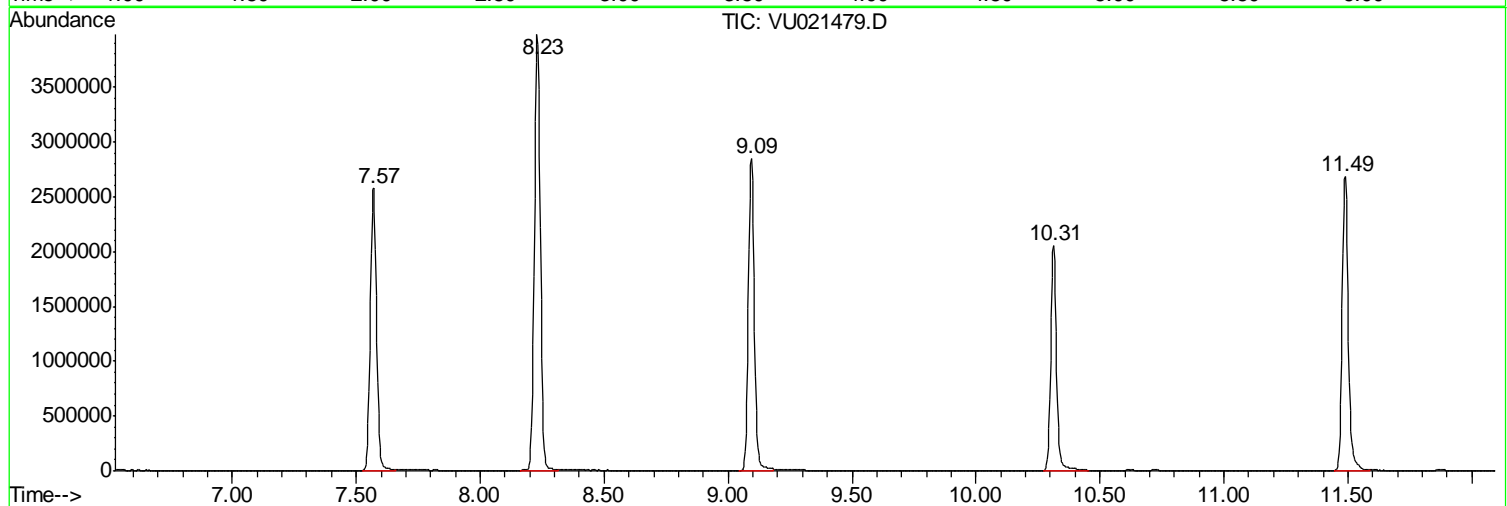
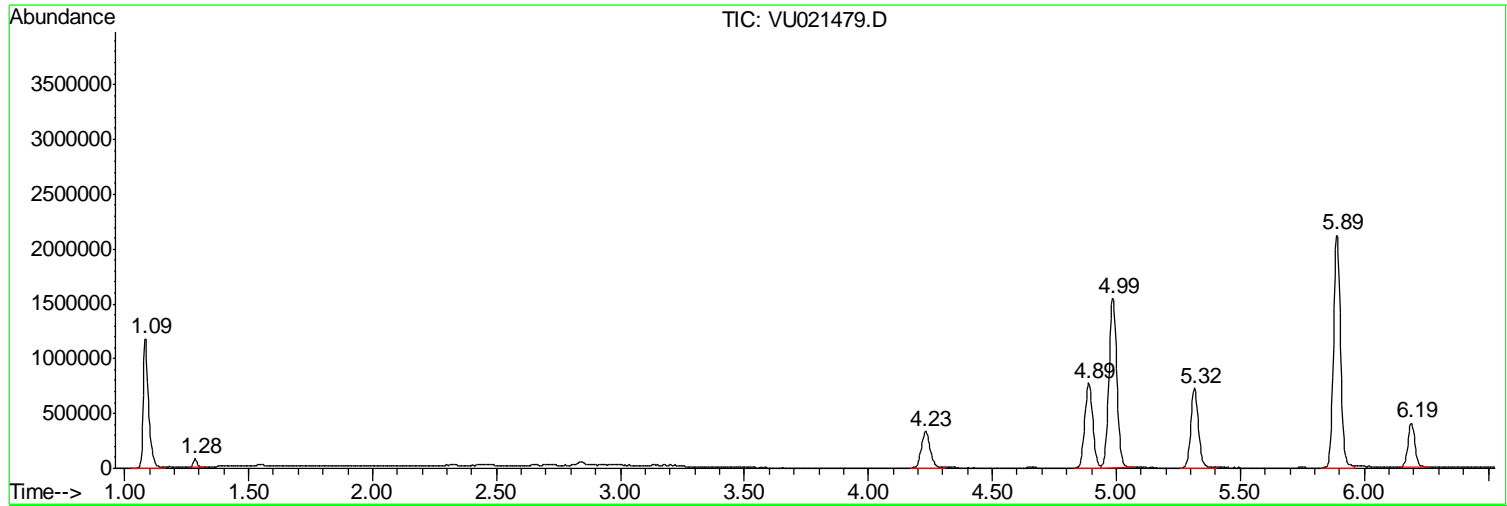
Sum of corrected areas: 38118107

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021479.D
Acq On : 04 Jan 2018 17:52
Operator : MD/SY
Sample : I7090-03 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
914-MW-03A(17)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021479.D
Acq On : 04 Jan 2018 17:52
Operator : MD/SY
Sample : I7090-03 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
914-MW-03A(17)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021479.D
 Acq On : 04 Jan 2018 17:52
 Operator : MD/SY
 Sample : I7090-03 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 914-MW-03A(17)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	915-MW-04(23)	SDG No.:	17090
Lab Sample ID:	I7090-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021470.D	1		01/04/18 13:51	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	4.8	J	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	915-MW-04(23)	SDG No.:	17090
Lab Sample ID:	I7090-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021470.D	1		01/04/18 13:51	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.29	J	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		61 - 141		102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	51.1		65 - 126		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		58 - 135		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1233430	4.99				
540-36-3	1,4-Difluorobenzene	1841860	5.89				
3114-55-4	Chlorobenzene-d5	1667460	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	865919	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	915-MW-04(23)	SDG No.:	17090
Lab Sample ID:	I7090-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021470.D	1		01/04/18 13:51	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021470.D
 Acq On : 04 Jan 2018 13:51
 Operator : MD/SY
 Sample : I7090-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 915-MW-04(23)

Quant Time: Jan 05 10:59:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1233434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1841864	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1667461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	865919	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	538542	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	4.89	113	484986	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
50) Toluene-d8	7.57	98	1660189	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	10.31	95	687842	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	

Target Compounds

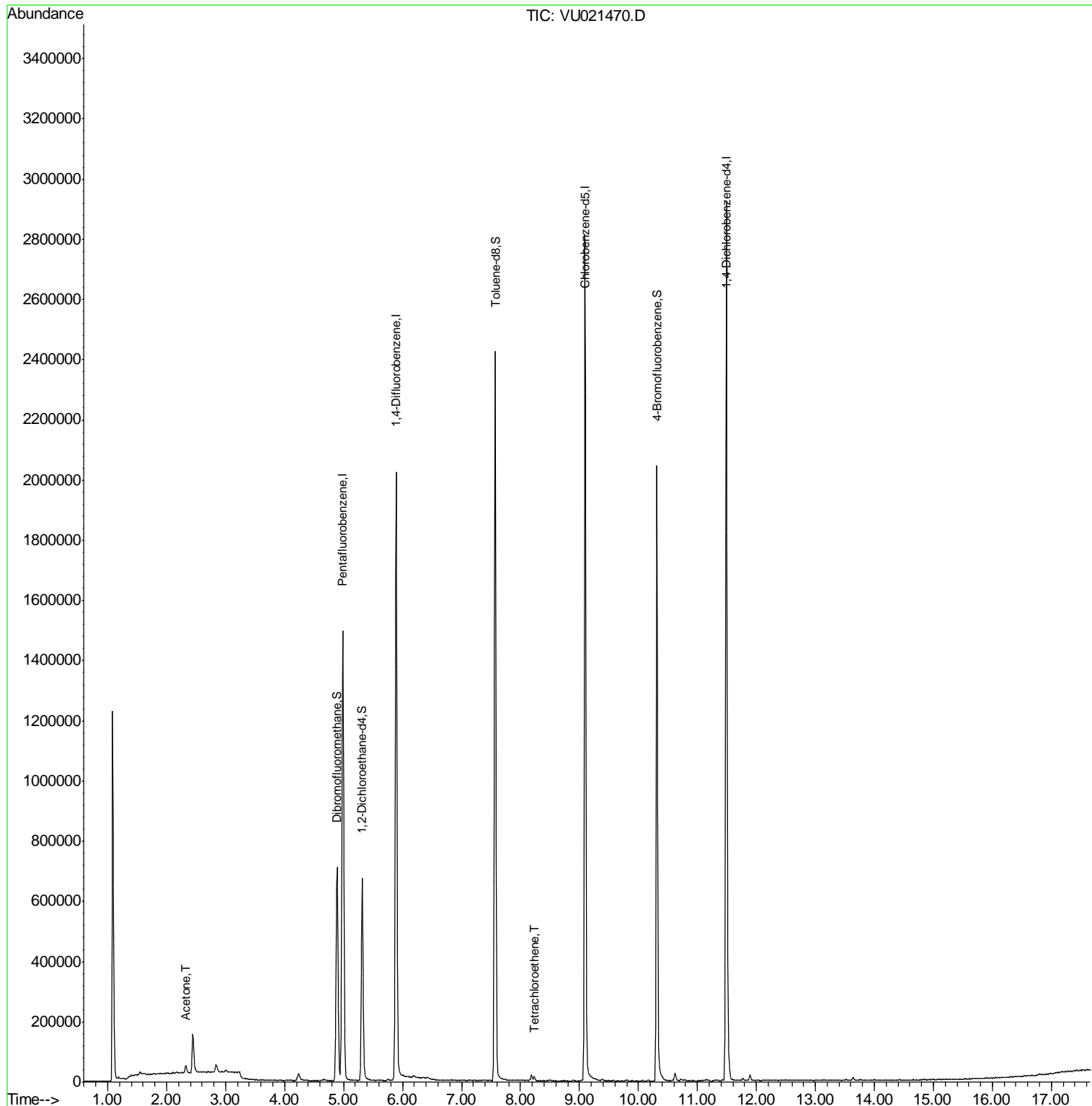
						Qvalue
16) Acetone	2.32	43	30263	4.84	ug/l	95
64) Tetrachloroethene	8.23	164	3747	0.29	ug/l	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

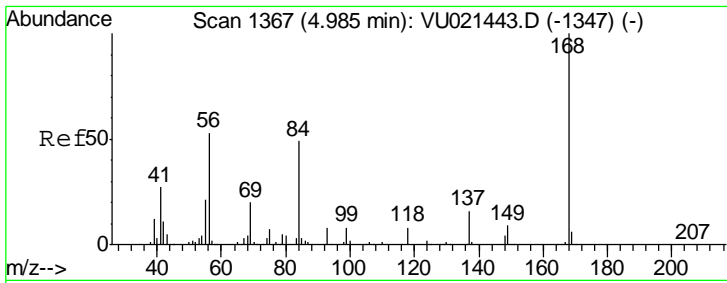
Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021470.D
 Acq On : 04 Jan 2018 13:51
 Operator : MD/SY
 Sample : I7090-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 915-MW-04(23)

Quant Time: Jan 05 10:59:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration



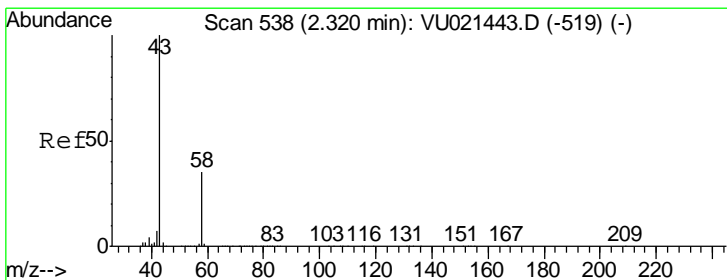
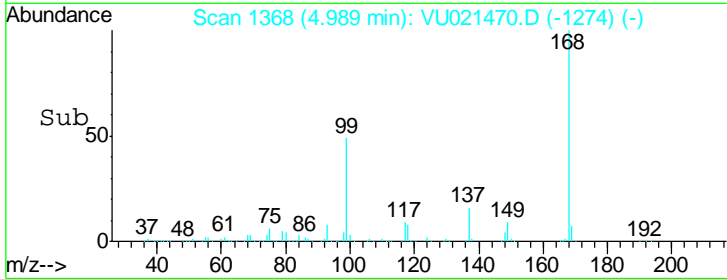
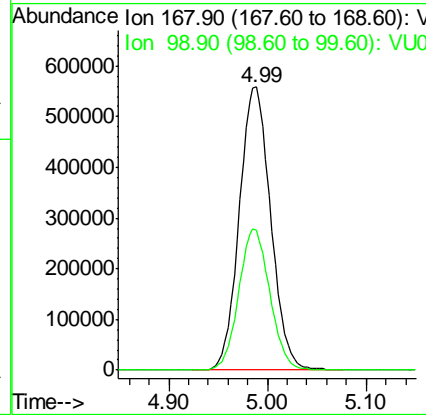
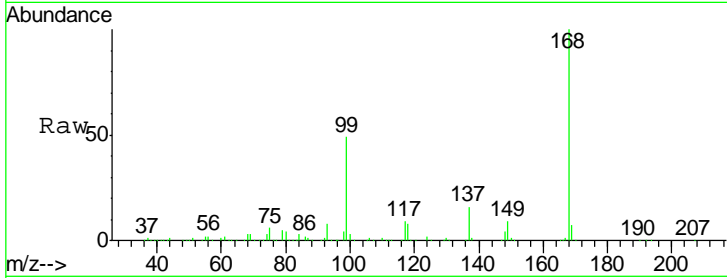
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU021470.D
 Acq: 04 Jan 2018 13:51

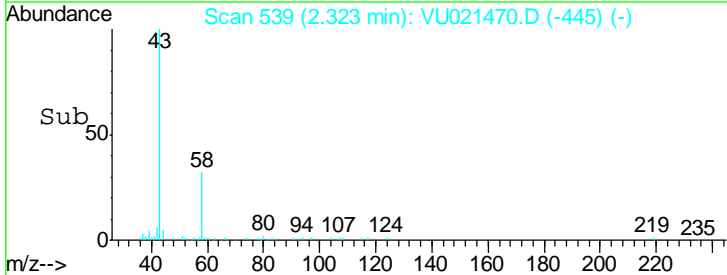
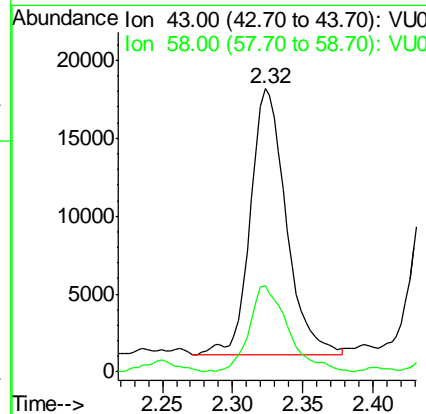
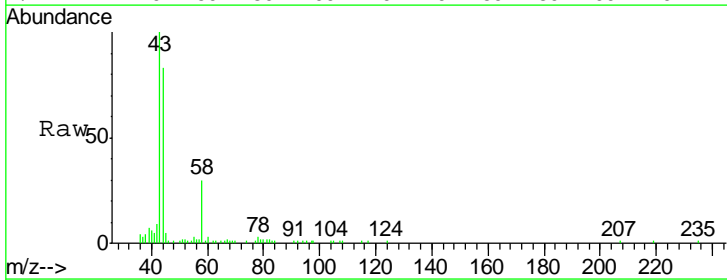
Instrument : MSVOA_U
 ClientSampleId : 915-MW-04(23)

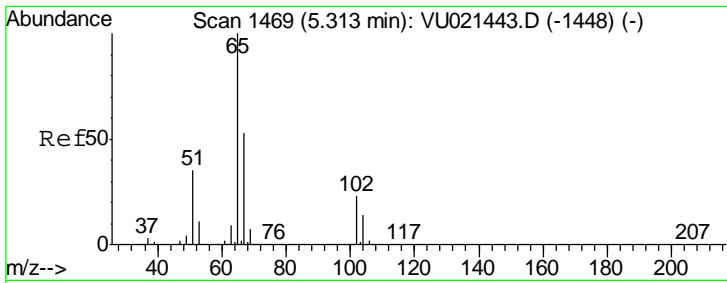
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.3	39.4	59.2



#16
 Acetone
 Concen: 4.84 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU021470.D
 Acq: 04 Jan 2018 13:51

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.6	27.8	41.8

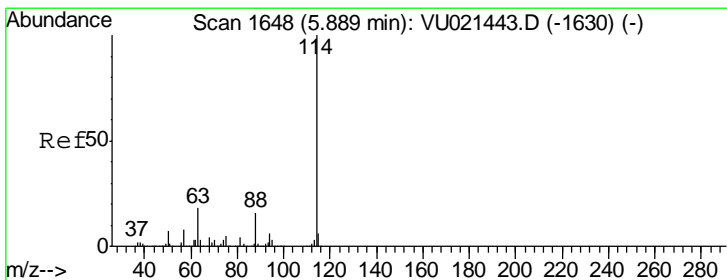
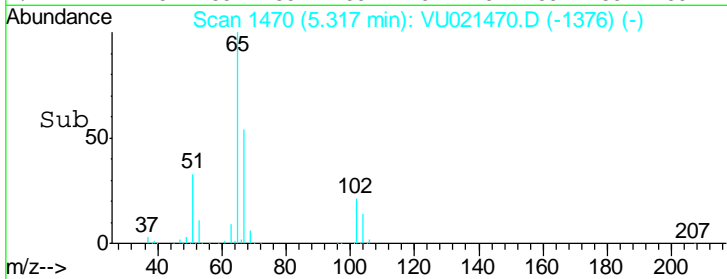
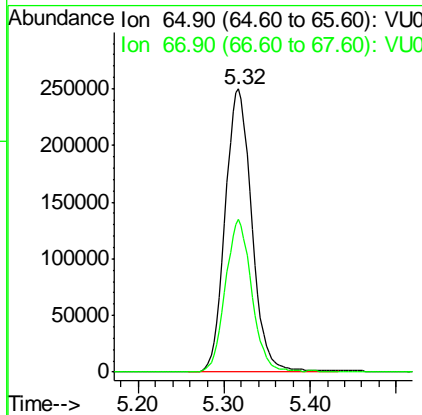
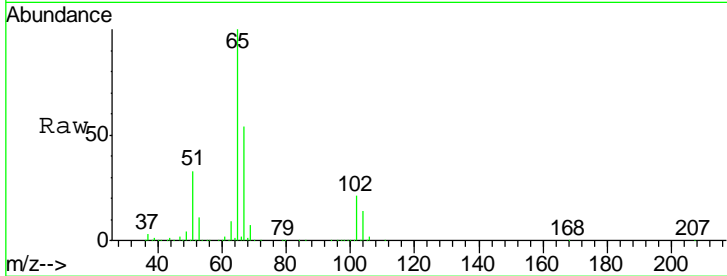




#33
 1,2-Dichloroethane-d4
 Concen: 51.18 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021470.D
 Acq: 04 Jan 2018 13:51

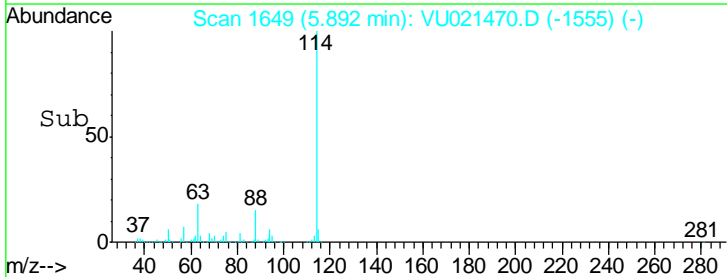
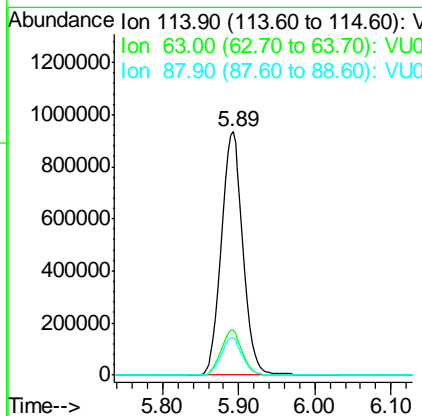
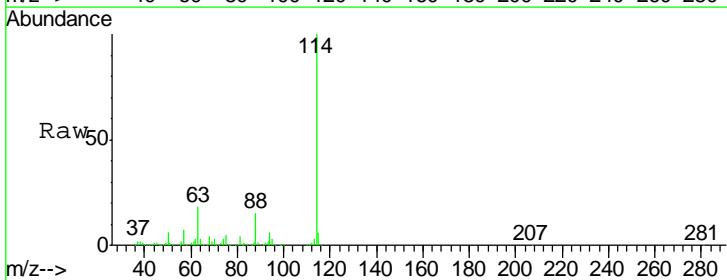
Instrument : MSVOA_U
 ClientSampled : 915-MW-04(23)

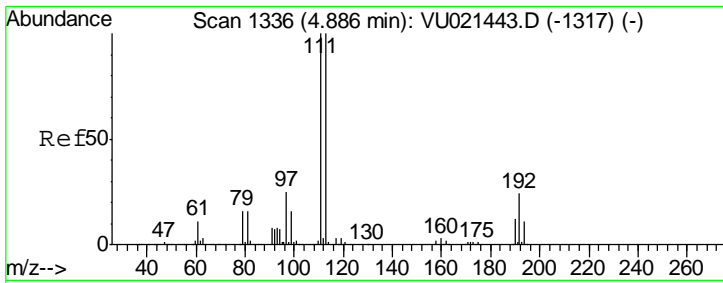
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.3	0.0	106.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU021470.D
 Acq: 04 Jan 2018 13:51

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.4	0.0	36.6
88	15.2	0.0	31.2

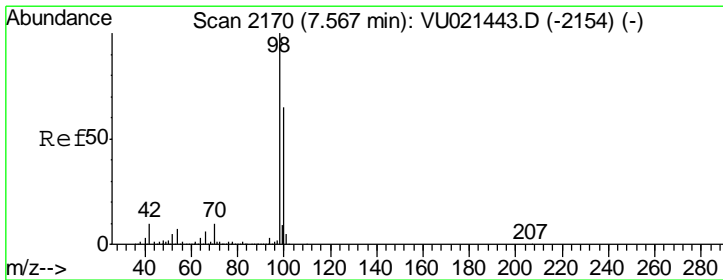
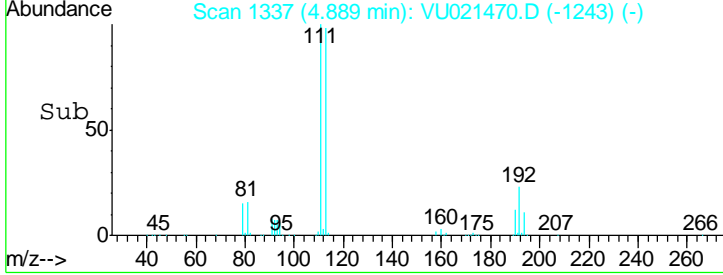
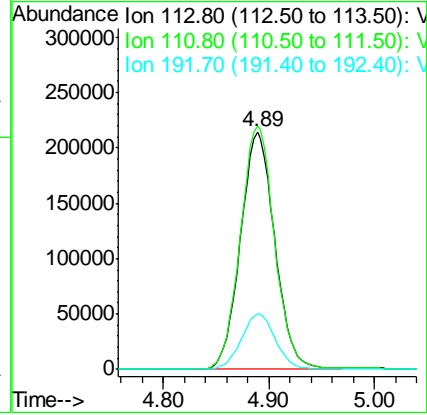
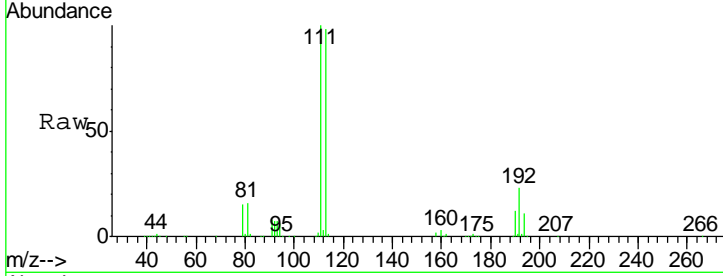




#35
 Dibromofluoromethane
 Concen: 47.56 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021470.D
 Acq: 04 Jan 2018 13:51

Instrument : MSVOA_U
 ClientSampleId : 915-MW-04(23)

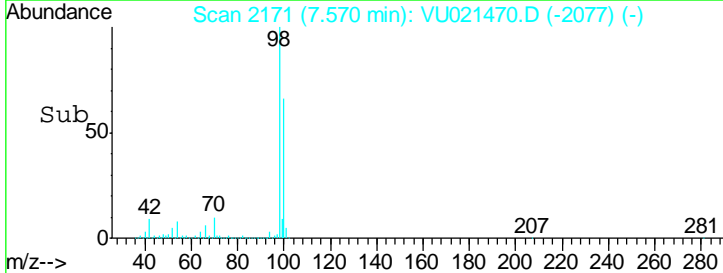
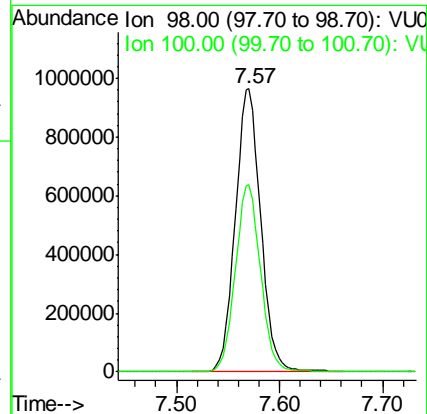
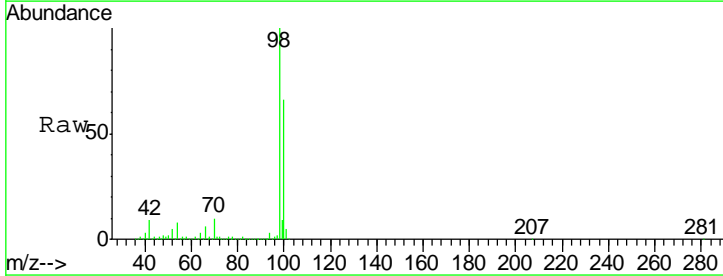
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.0	82.2	123.2
192	23.3	19.0	28.4

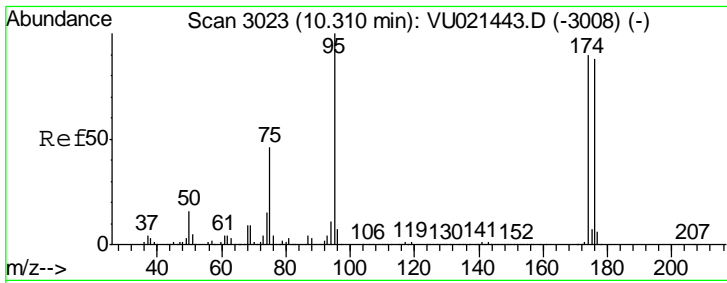


#50
 Toluene-d8
 Concen: 51.08 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021470.D
 Acq: 04 Jan 2018 13:51

Instrument : MSVOA_U
 ClientSampleId : 915-MW-04(23)

Tgt Ion	Resp	Lower	Upper
98	100		
100	65.6	51.8	77.8

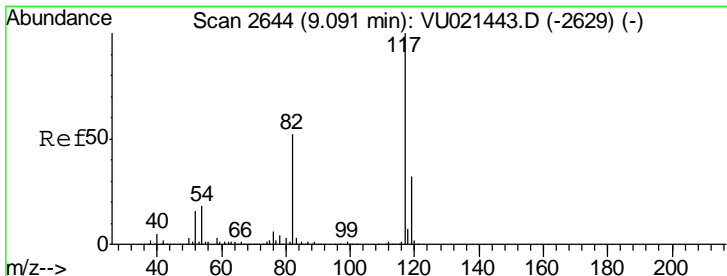
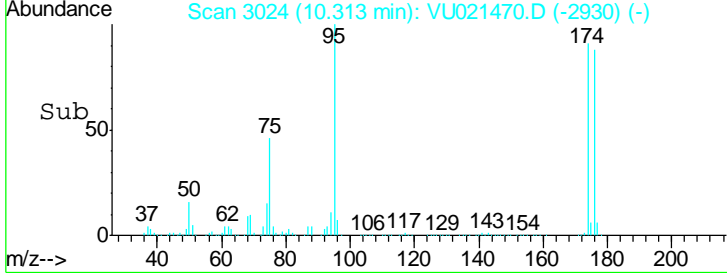
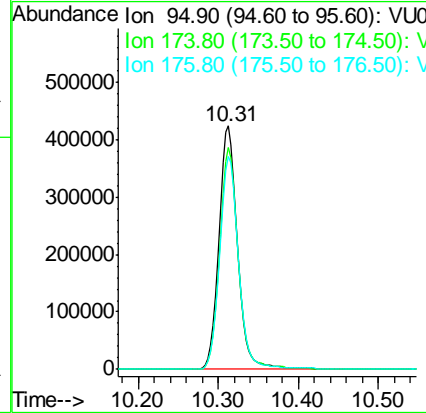
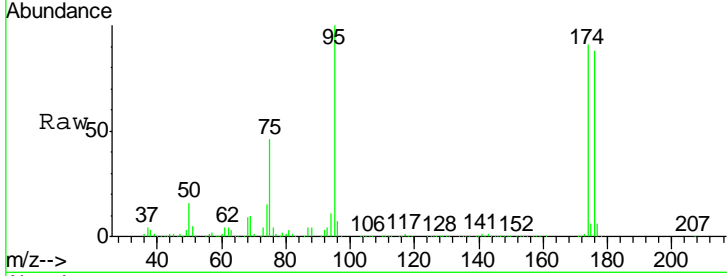




#62
 4-Bromofluorobenzene
 Concen: 45.42 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021470.D
 Acq: 04 Jan 2018 13:51

Instrument : MSVOA_U
 ClientSampleId : 915-MW-04(23)

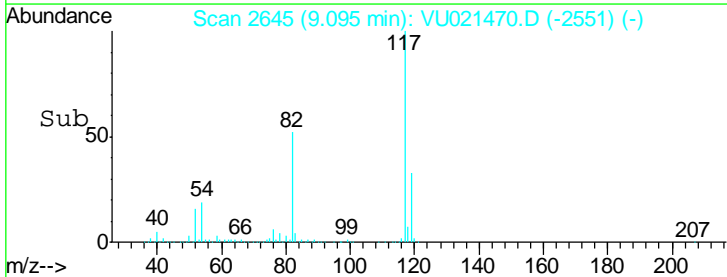
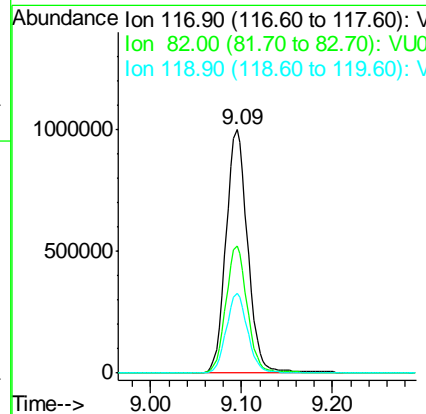
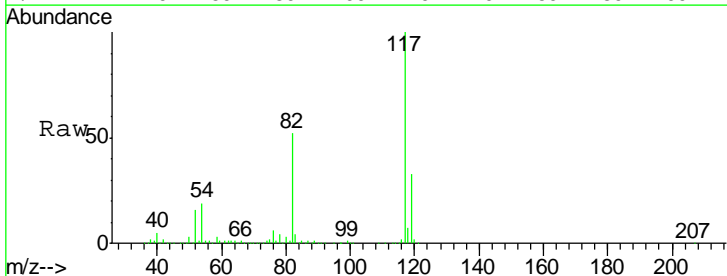
Tgt Ion	Resp	Lower	Upper
95	687842		
95	100		
174	91.1	0.0	182.6
176	88.4	0.0	178.8

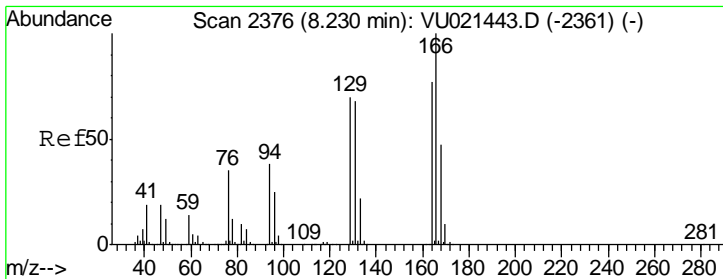


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021470.D
 Acq: 04 Jan 2018 13:51

Instrument : MSVOA_U
 ClientSampleId : 915-MW-04(23)

Tgt Ion	Resp	Lower	Upper
117	1667461		
117	100		
82	52.2	41.4	62.0
119	32.7	25.7	38.5

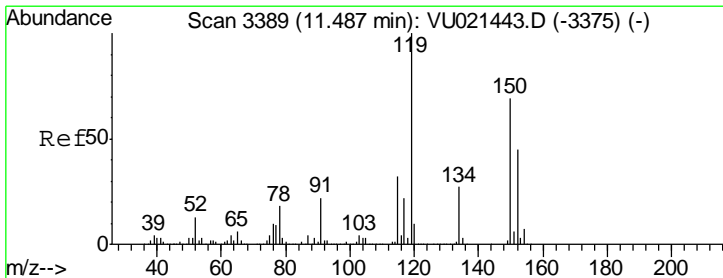
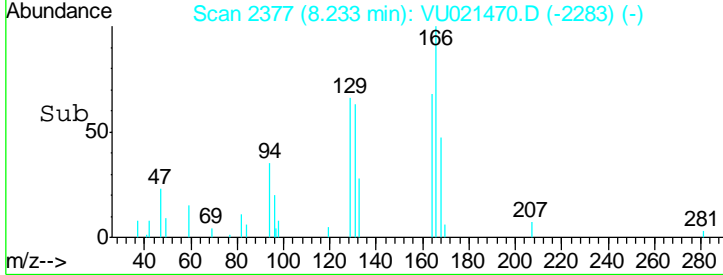
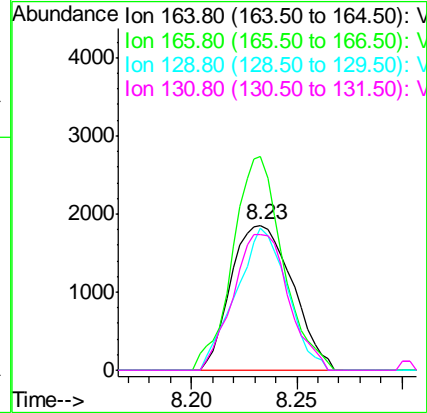
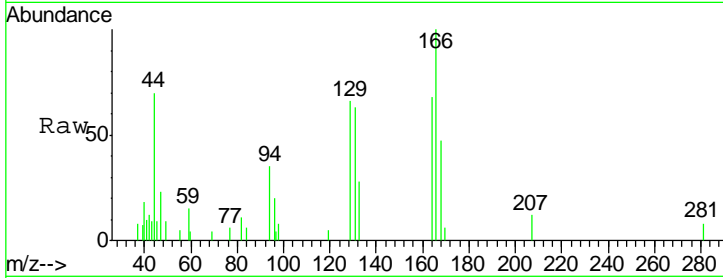




#64
 Tetrachloroethene
 Concen: 0.29 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU021470.D
 Acq: 04 Jan 2018 13:51

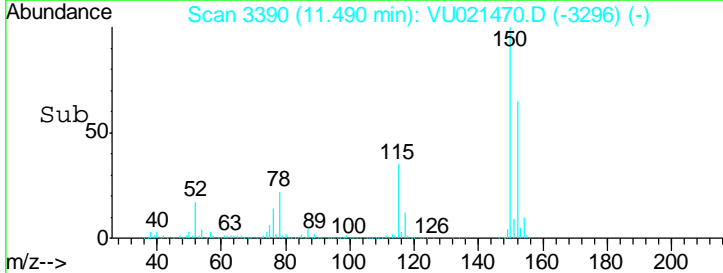
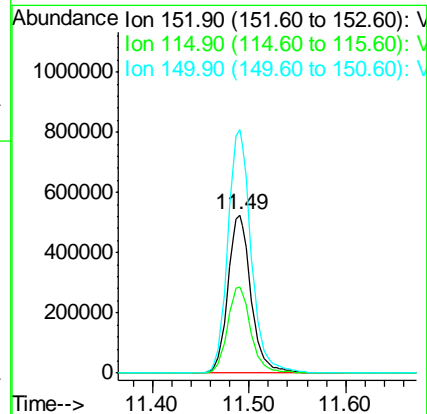
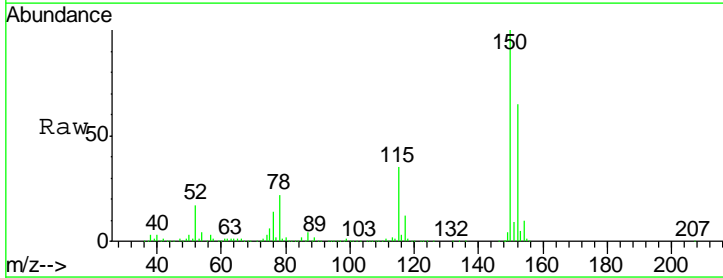
Instrument : MSVOA_U
 ClientSampleId : 915-MW-04(23)

Tgt Ion	Resp	Lower	Upper
164	100		
166	147.5	104.1	156.1
129	98.1	73.2	109.8
131	93.7	71.0	106.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021470.D
 Acq: 04 Jan 2018 13:51

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.4	38.0	114.1
150	156.0	0.0	343.2



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021470.D
 Acq On : 04 Jan 2018 13:51
 Operator : MD/SY
 Sample : I7090-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 915-MW-04(23)

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	140	154	179	rBV	1229286	1786103	36.57%	6.026%
2	2.445	566	577	594	rBV	127549	255929	5.24%	0.863%
3	4.233	1118	1133	1147	rBV2	23724	67174	1.38%	0.227%
4	4.889	1319	1337	1353	rBV	708841	1595724	32.67%	5.383%
5	4.985	1353	1367	1400	rVB	1492370	3299790	67.55%	11.132%
6	5.317	1453	1470	1491	rBV	672562	1452620	29.74%	4.901%
7	5.892	1628	1649	1674	rBV	2023534	4064490	83.21%	13.712%
8	7.570	2156	2171	2203	rBV	2423835	4222431	86.44%	14.245%
9	9.095	2631	2645	2682	rBV	2812580	4686302	95.94%	15.810%
10	10.313	3011	3024	3064	rBV	2043165	3326586	68.10%	11.223%
11	11.490	3377	3390	3417	rBV	2920424	4884630	100.00%	16.479%

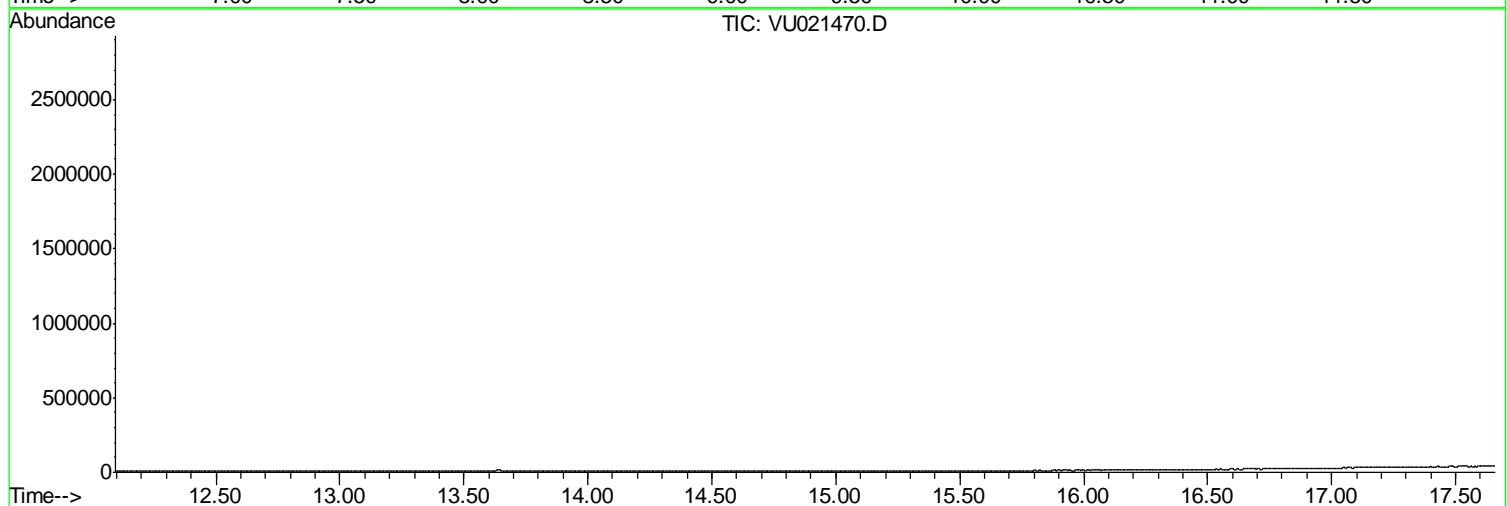
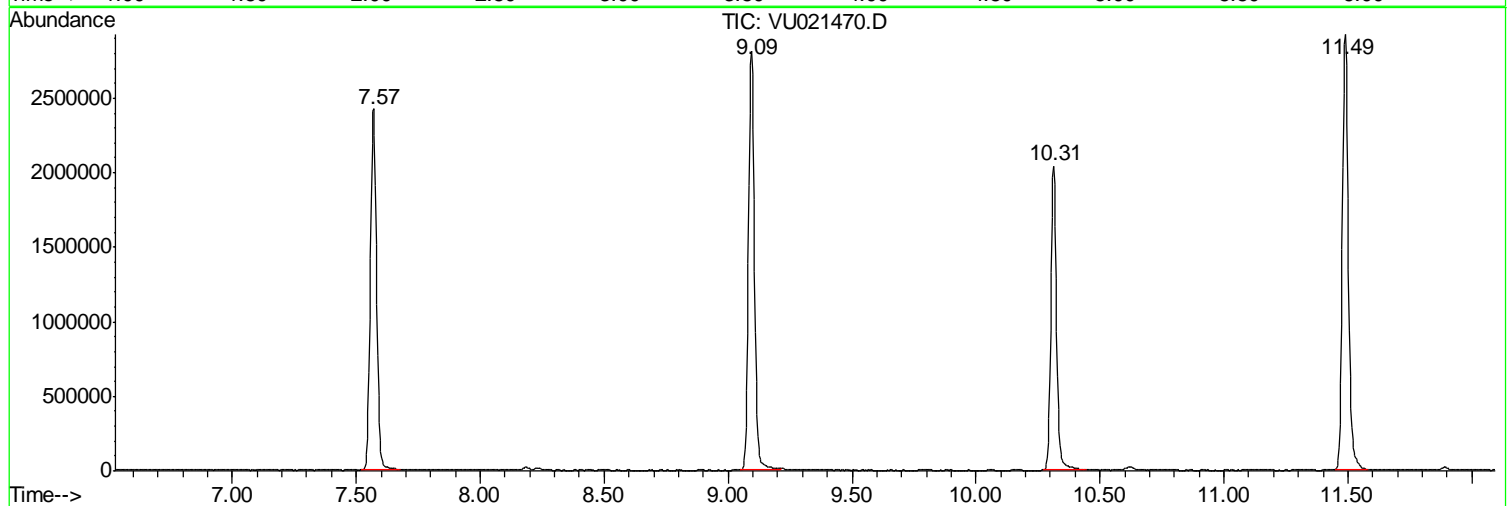
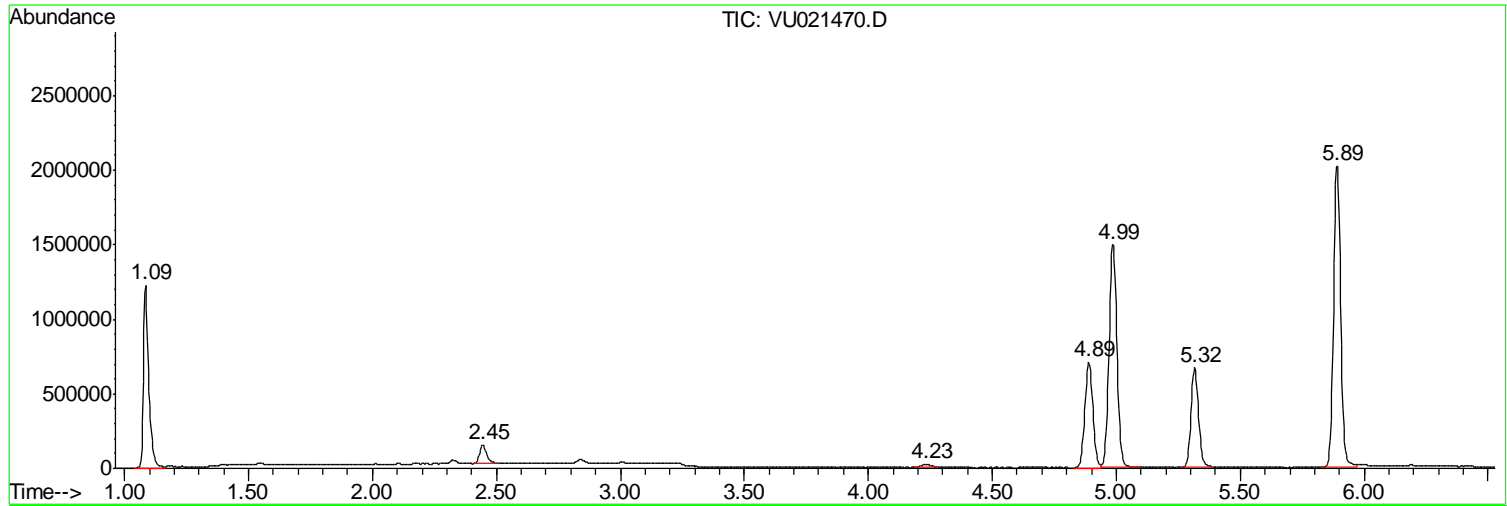
Sum of corrected areas: 29641779

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021470.D
Acq On : 04 Jan 2018 13:51
Operator : MD/SY
Sample : I7090-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
915-MW-04(23)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021470.D
Acq On : 04 Jan 2018 13:51
Operator : MD/SY
Sample : I7090-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
915-MW-04(23)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021470.D
 Acq On : 04 Jan 2018 13:51
 Operator : MD/SY
 Sample : I7090-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 915-MW-04(23)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	916-MW-05(17)	SDG No.:	17090
Lab Sample ID:	I7090-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021471.D	1		01/04/18 14:18	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	6.1		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.94	J	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	916-MW-05(17)	SDG No.:	17090
Lab Sample ID:	17090-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021471.D	1		01/04/18 14:18	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	64.2		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52		61 - 141		104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		69 - 133		98%	SPK: 50
2037-26-5	Toluene-d8	52.3		65 - 126		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		58 - 135		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1283130	4.99				
540-36-3	1,4-Difluorobenzene	1909590	5.89				
3114-55-4	Chlorobenzene-d5	1754120	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	899669	11.49				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	916-MW-05(17)	SDG No.:	17090
Lab Sample ID:	I7090-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021471.D	1		01/04/18 14:18	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021471.D
 Acq On : 04 Jan 2018 14:18
 Operator : MD/SY
 Sample : I7090-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 916-MW-05(17)

Quant Time: Jan 04 15:28:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

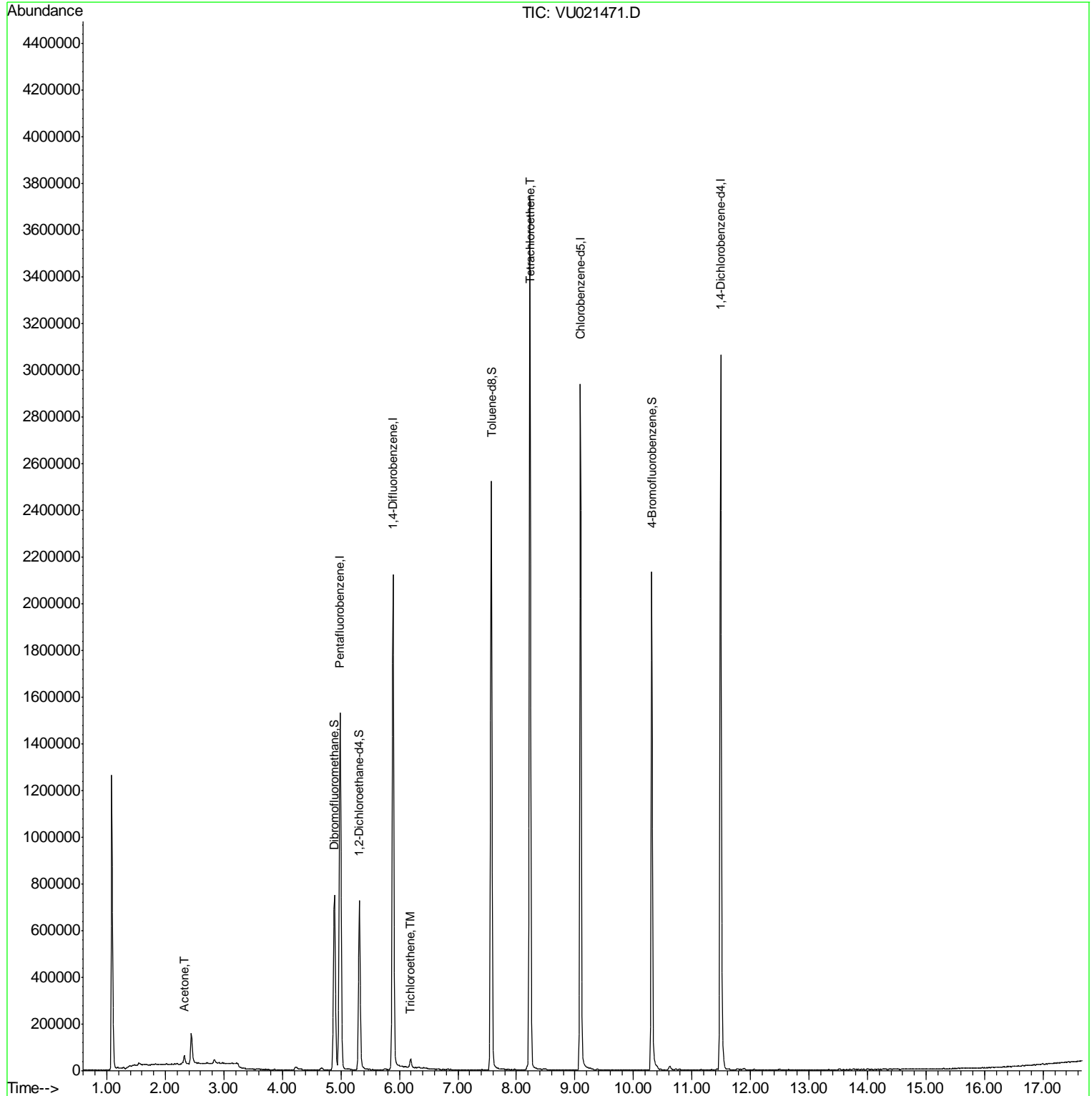
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1283131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1909585	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1754123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	899669	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	569527	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	4.89	113	515484	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	7.57	98	1762424	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	10.31	95	730983	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
Target Compounds						
16) Acetone	2.32	43	39672	6.10	ug/l	98
44) Trichloroethene	6.19	130	13552	0.94	ug/l	99
64) Tetrachloroethene	8.23	164	885960	64.23	ug/l	98

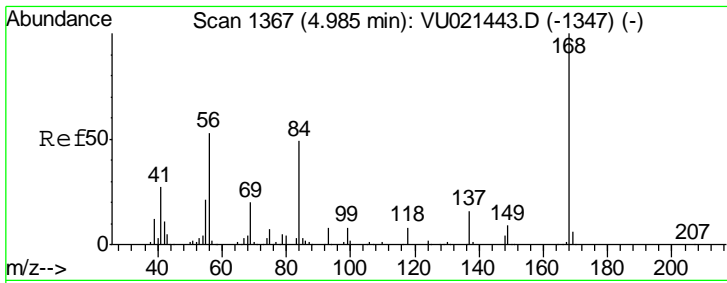
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021471.D
Acq On : 04 Jan 2018 14:18
Operator : MD/SY
Sample : I7090-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
916-MW-05(17)

Quant Time: Jan 04 15:28:16 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

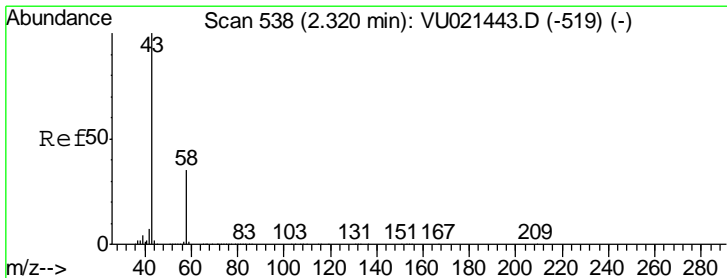
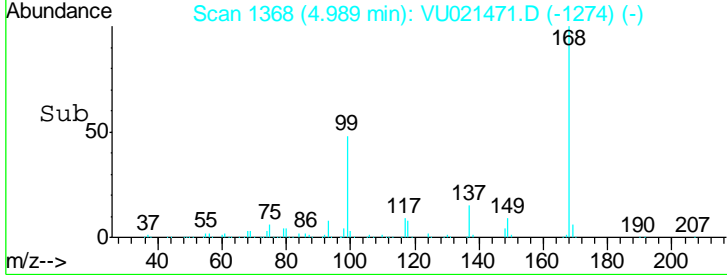
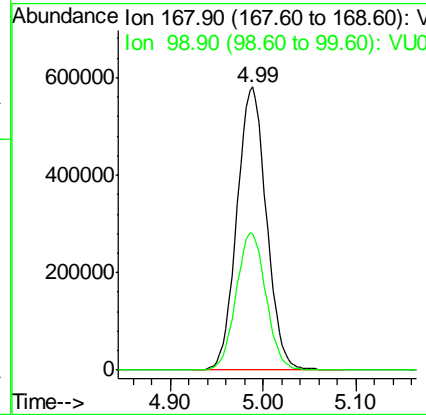
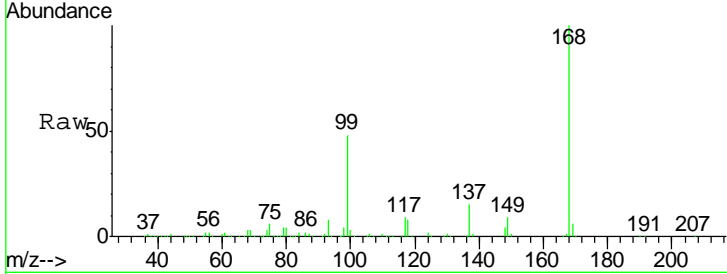




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU021471.D
 Acq: 04 Jan 2018 14:18

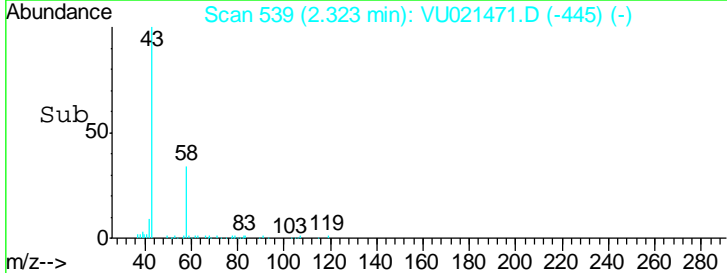
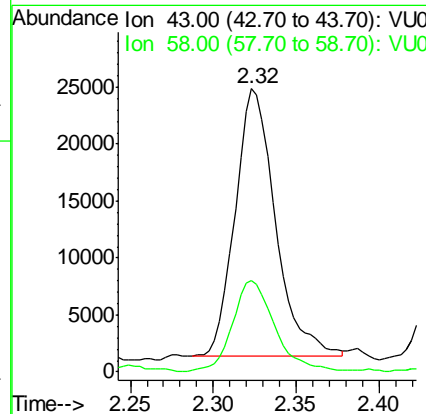
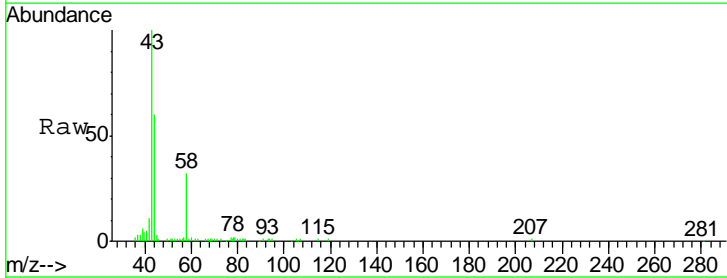
Instrument : MSVOA_U
 ClientSampleId : 916-MW-05(17)

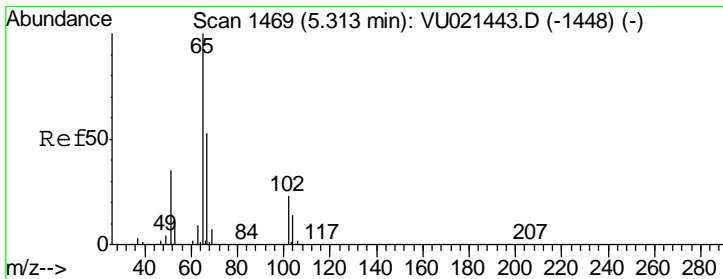
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.2	39.4	59.2



#16
 Acetone
 Concen: 6.10 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU021471.D
 Acq: 04 Jan 2018 14:18

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.7	27.8	41.8

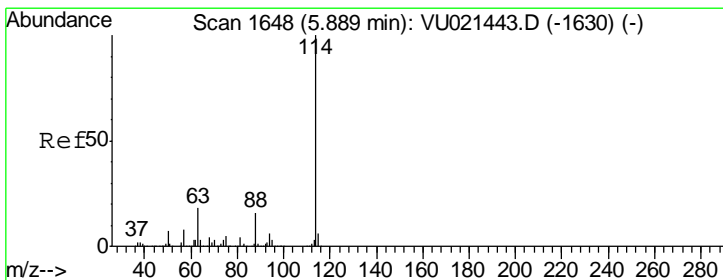
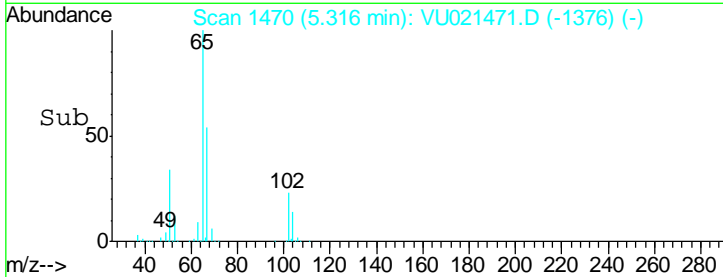
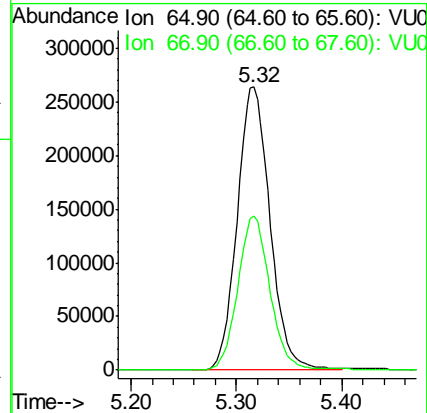
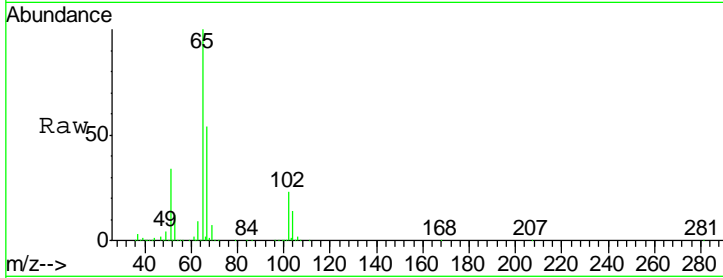




#33
 1,2-Dichloroethane-d4
 Concen: 52.02 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021471.D
 Acq: 04 Jan 2018 14:18

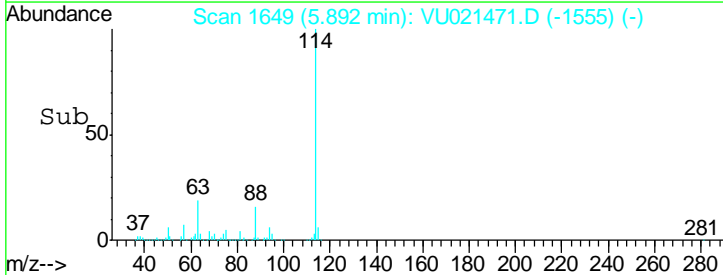
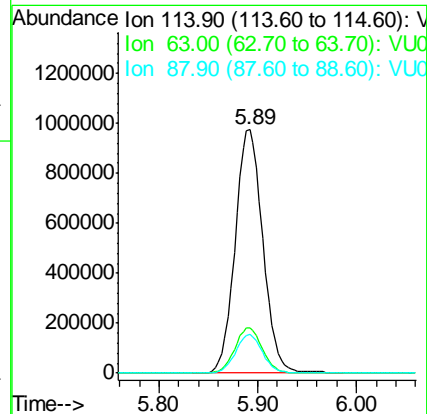
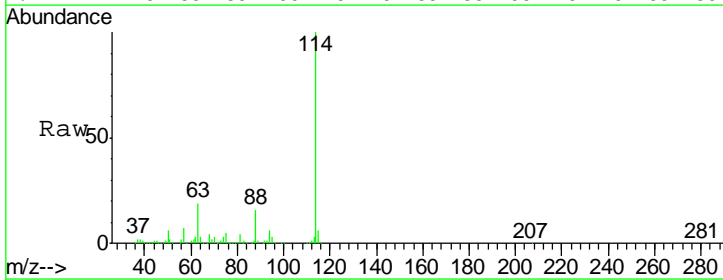
Instrument : MSVOA_U
 ClientSampleId : 916-MW-05(17)

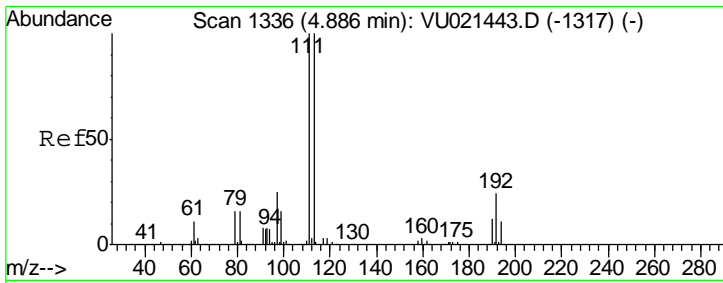
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.5	0.0	106.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU021471.D
 Acq: 04 Jan 2018 14:18

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.6	0.0	36.6
88	15.7	0.0	31.2

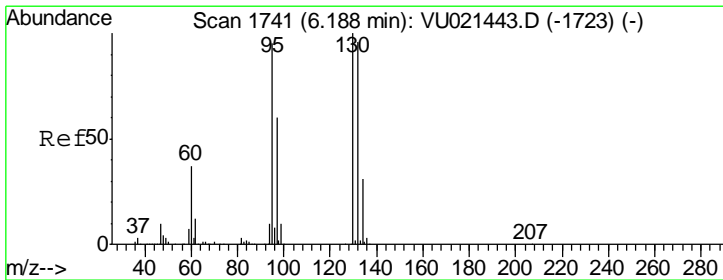
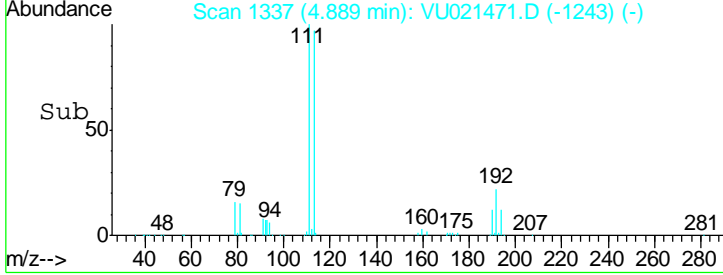
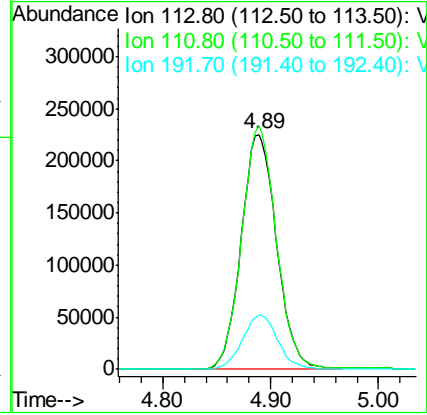
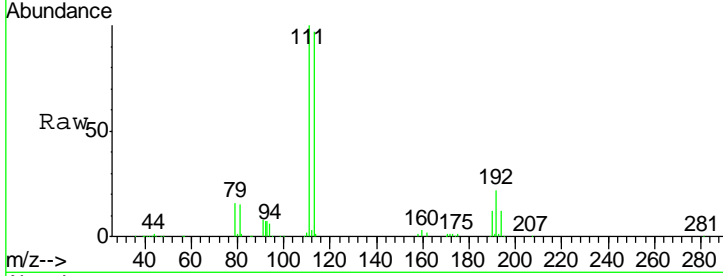




#35
 Dibromofluoromethane
 Concen: 48.76 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021471.D
 Acq: 04 Jan 2018 14:18

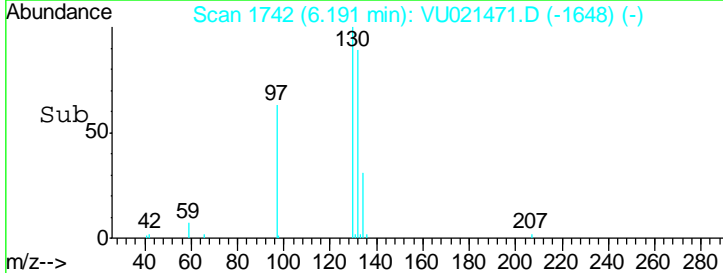
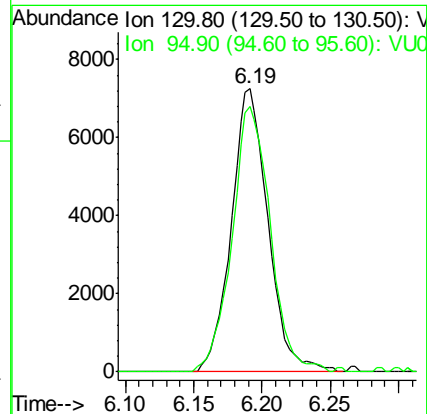
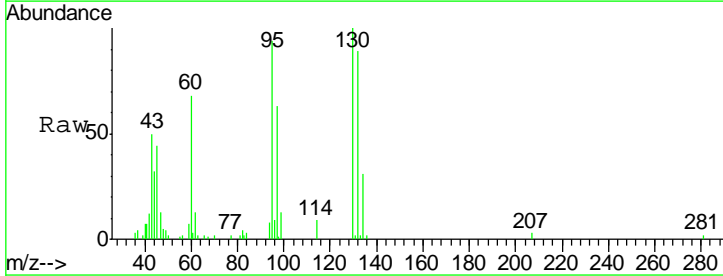
Instrument : MSVOA_U
 ClientSampled : 916-MW-05(17)

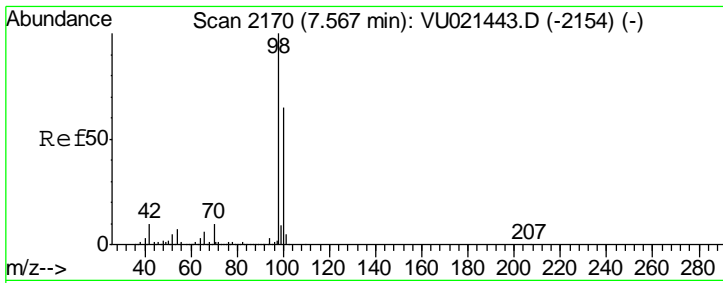
Tgt Ion	Resp	Lower	Upper
113	100		
111	101.2	82.2	123.2
192	22.9	19.0	28.4



#44
 Trichloroethene
 Concen: 0.94 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU021471.D
 Acq: 04 Jan 2018 14:18

Tgt Ion	Resp	Lower	Upper
130	100		
95	93.7	0.0	189.6

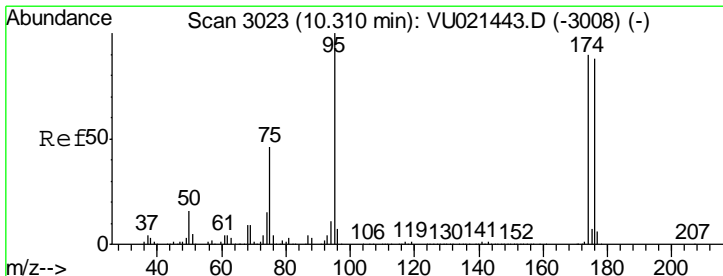
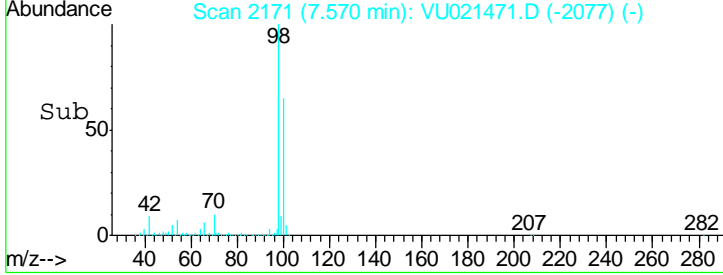
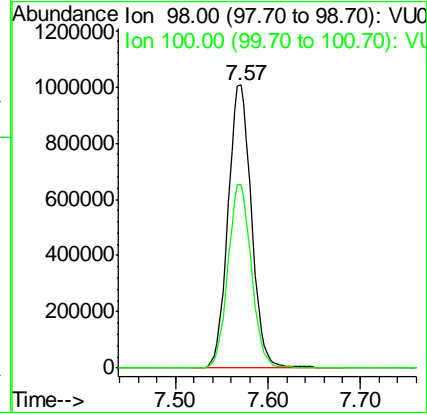
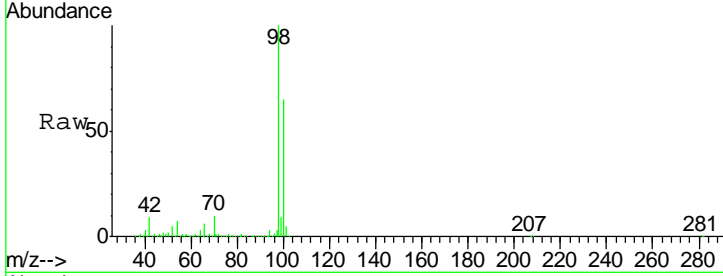




#50
 Toluene-d8
 Concen: 52.30 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021471.D
 Acq: 04 Jan 2018 14:18

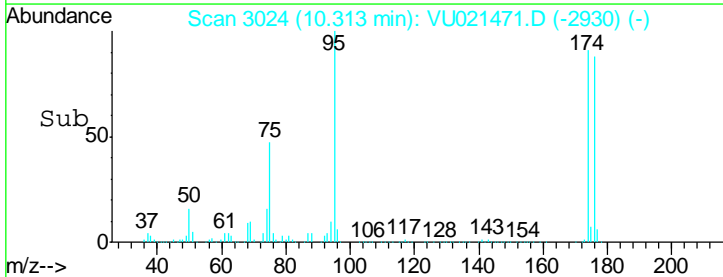
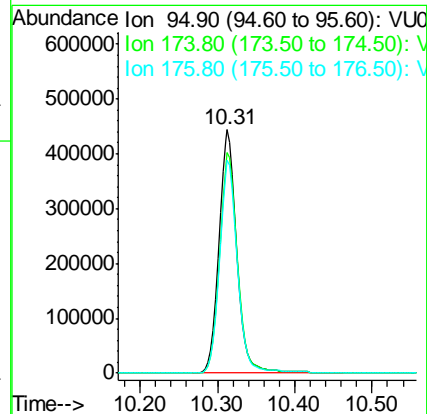
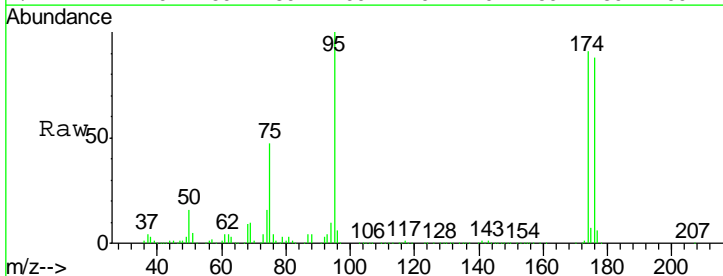
Instrument : MSVOA_U
 ClientSampled : 916-MW-05(17)

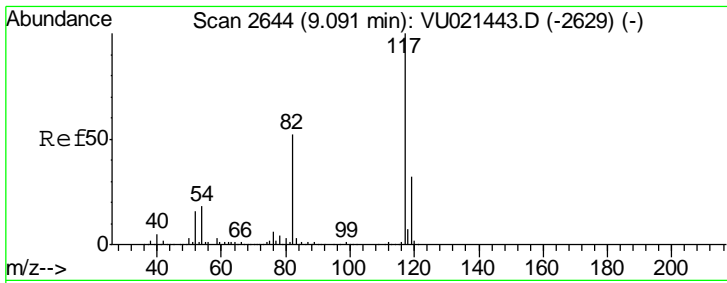
Tgt Ion: 98 Resp: 1762424
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.8 77.8



#62
 4-Bromofluorobenzene
 Concen: 46.55 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021471.D
 Acq: 04 Jan 2018 14:18

Tgt Ion: 95 Resp: 730983
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 182.6
 176 87.8 0.0 178.8



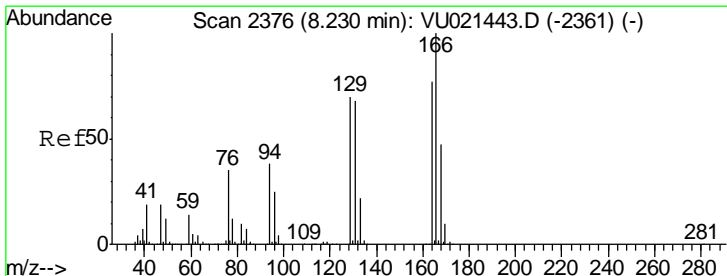
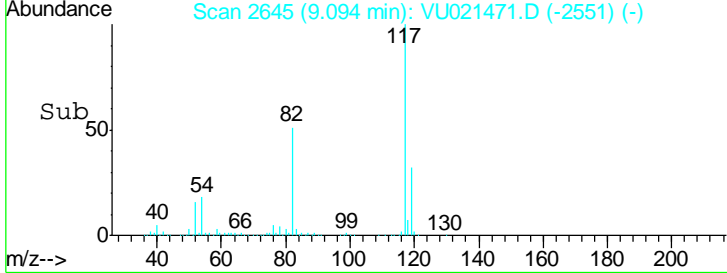
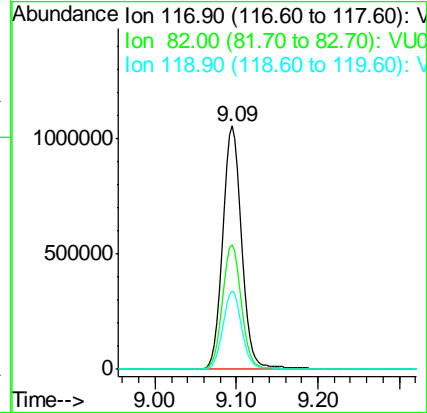
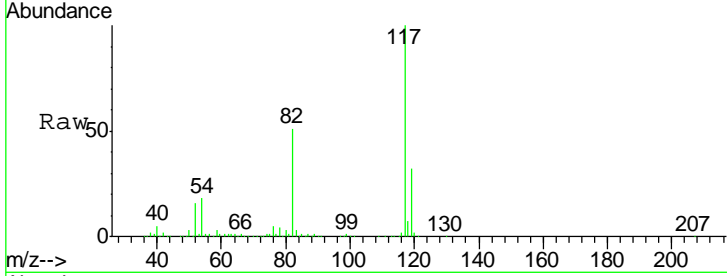


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021471.D
 Acq: 04 Jan 2018 14:18

Instrument : MSVOA_U
 Client Sampled : 916-MW-05(17)

Tgt Ion: 117 Resp: 1754123

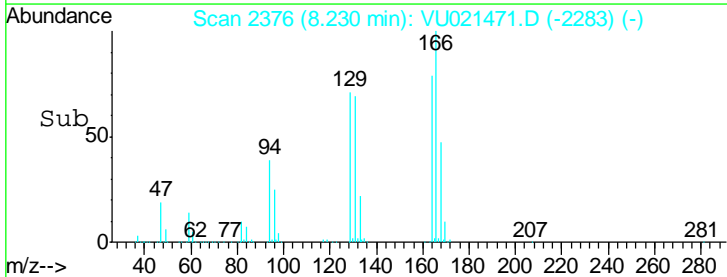
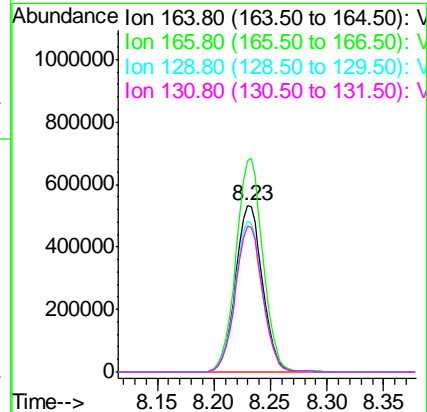
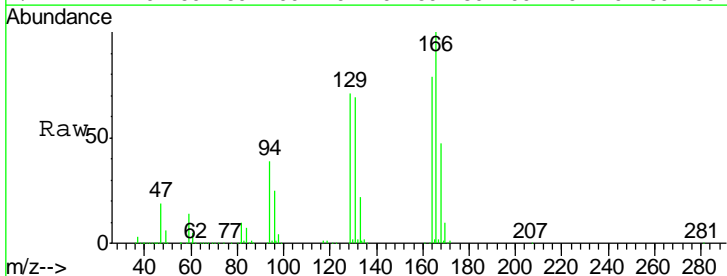
Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.4	62.0
119	32.5	25.7	38.5

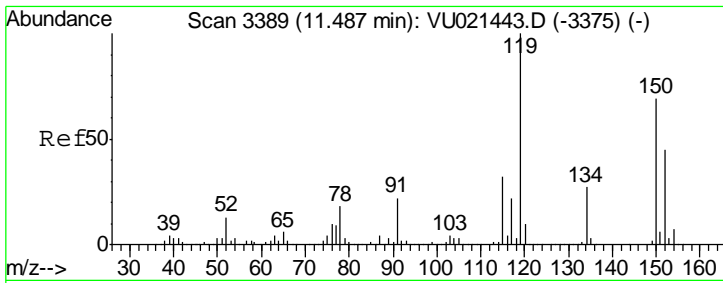


#64
 Tetrachloroethene
 Concen: 64.23 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU021471.D
 Acq: 04 Jan 2018 14:18

Tgt Ion: 164 Resp: 885960

Ion	Ratio	Lower	Upper
164	100		
166	127.3	104.1	156.1
129	91.0	73.2	109.8
131	87.6	71.0	106.6

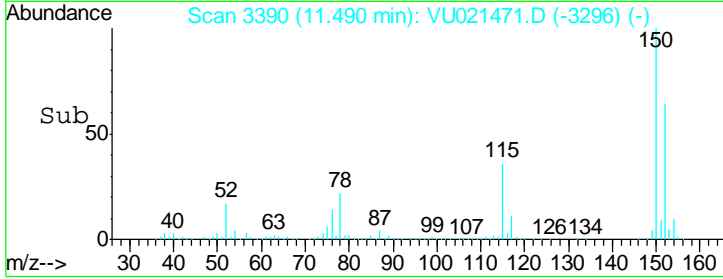
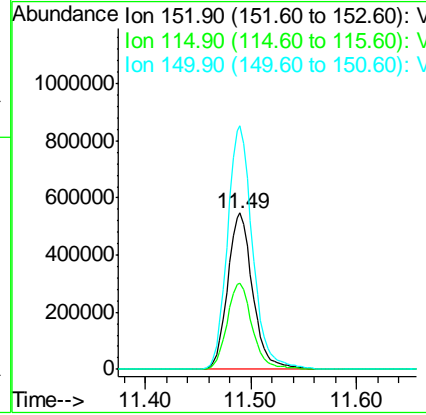
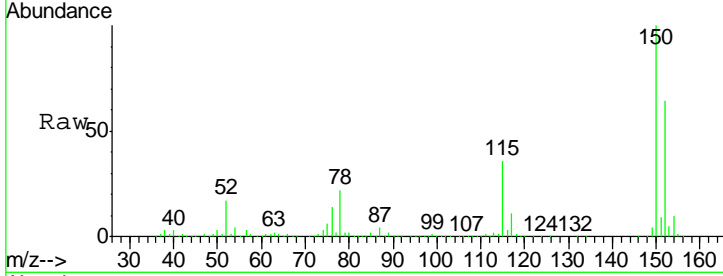




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021471.D
 Acq: 04 Jan 2018 14:18

Instrument : MSVOA_U
 ClientSampled : 916-MW-05(17)

Tot Ion	152	Resp	899669
Ion Ratio	Lower	Upper	
152	100		
115	55.6	38.0	114.1
150	156.6	0.0	343.2



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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021471.D
 Acq On : 04 Jan 2018 14:18
 Operator : MD/SY
 Sample : I7090-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 916-MW-05(17)

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	138	154	178	rBV	1264506	1855724	29.54%	4.965%
2	2.445	566	577	599	rBV	127349	258266	4.11%	0.691%
3	4.889	1319	1337	1353	rBV	751078	1692205	26.94%	4.528%
4	4.989	1353	1368	1394	rVB	1527815	3399677	54.12%	9.097%
5	5.316	1453	1470	1500	rBV	723960	1555011	24.75%	4.161%
6	5.892	1628	1649	1675	rBV	2121801	4229990	67.33%	11.318%
7	6.188	1732	1741	1758	rVB2	37747	73227	1.17%	0.196%
8	7.570	2150	2171	2203	rBV	2521784	4462440	71.03%	11.940%
9	8.230	2349	2376	2398	rBV	3740727	6282298	100.00%	16.810%
10	9.094	2631	2645	2690	rBV	2939210	4928940	78.46%	13.189%
11	10.313	3010	3024	3064	rBV	2132432	3528284	56.16%	9.441%
12	11.490	3376	3390	3419	rBV	3062043	5106677	81.29%	13.664%

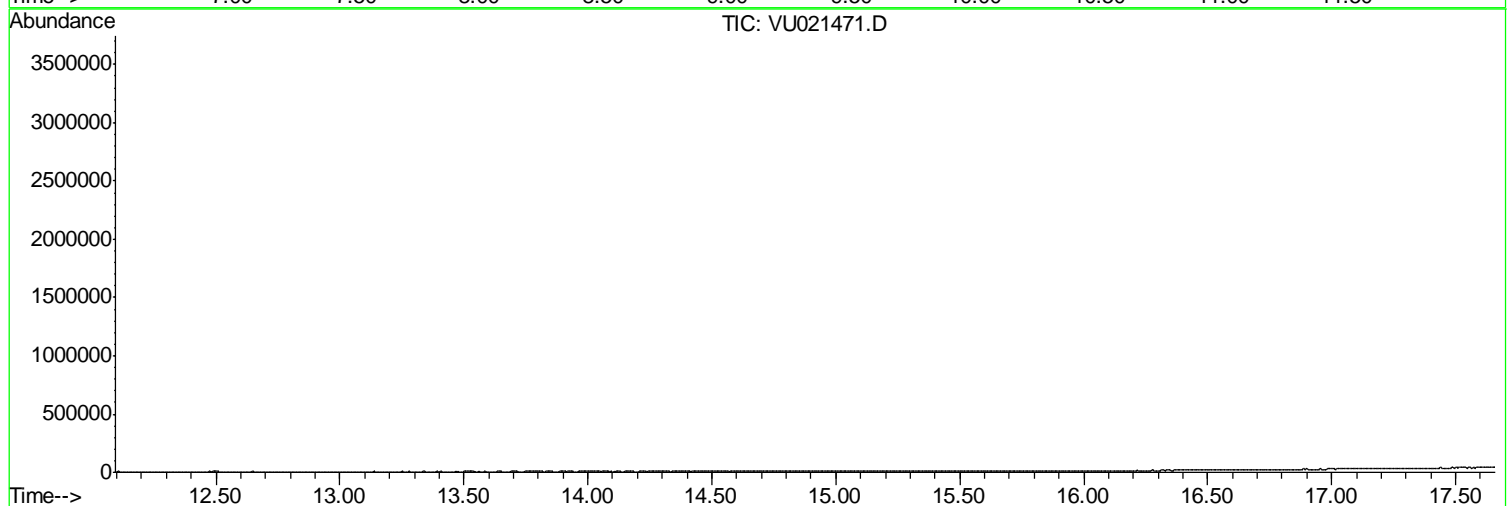
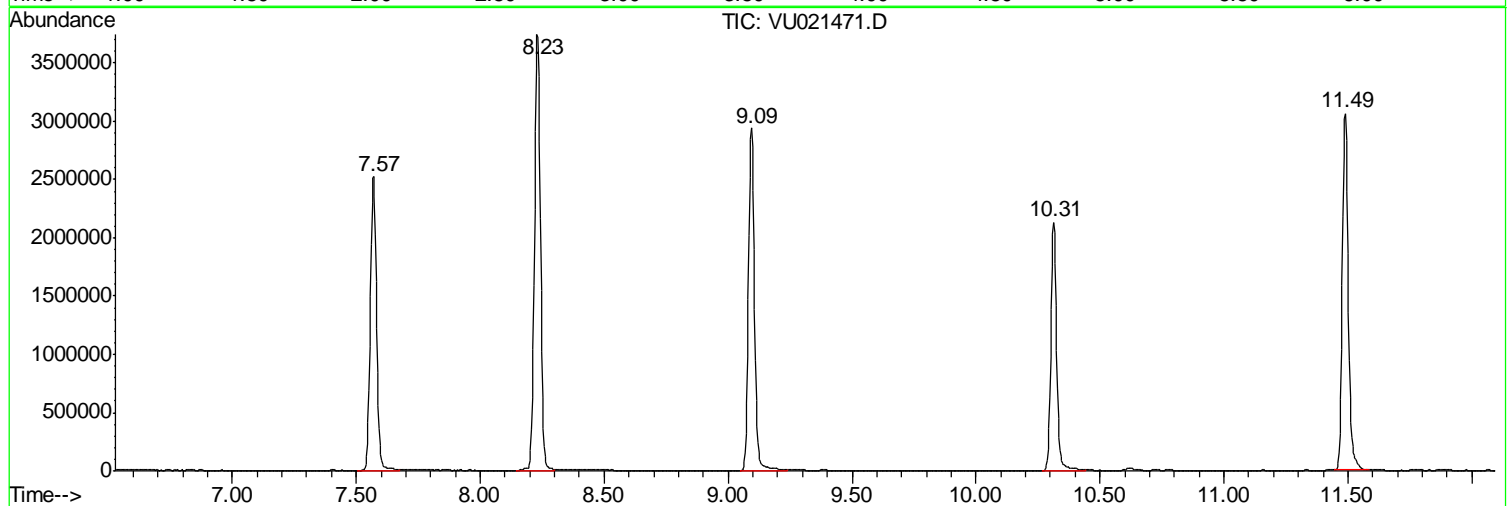
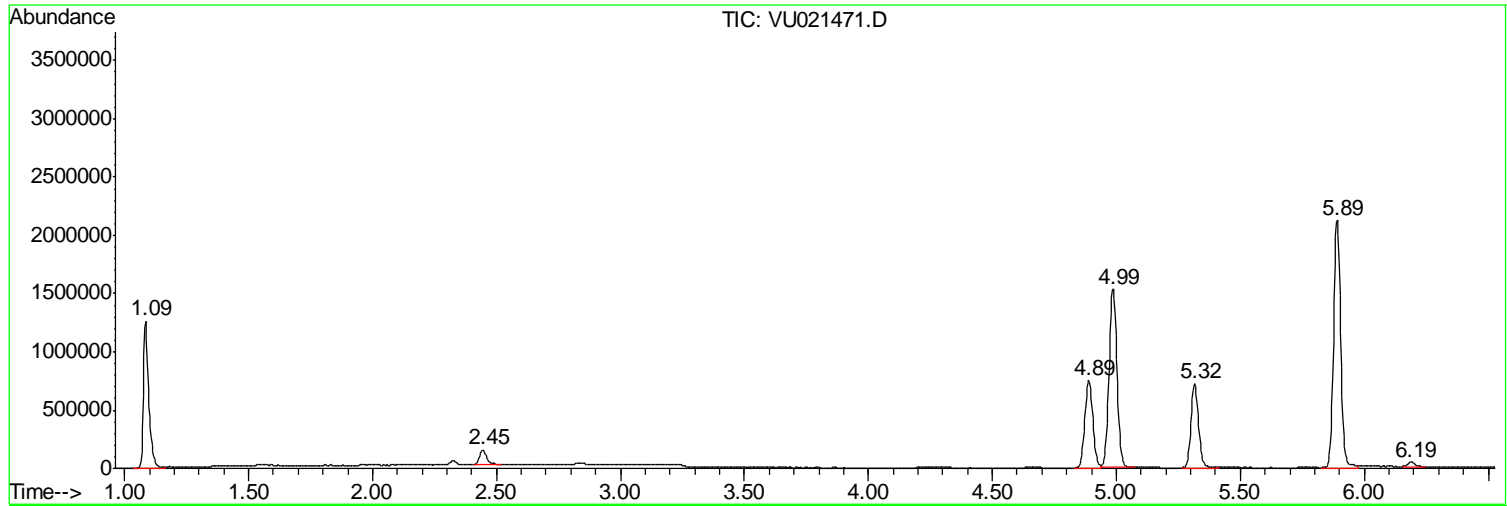
Sum of corrected areas: 37372739

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021471.D
Acq On : 04 Jan 2018 14:18
Operator : MD/SY
Sample : I7090-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
916-MW-05(17)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021471.D
Acq On : 04 Jan 2018 14:18
Operator : MD/SY
Sample : I7090-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
916-MW-05(17)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021471.D
 Acq On : 04 Jan 2018 14:18
 Operator : MD/SY
 Sample : I7090-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 916-MW-05(17)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	917-MW-06(17)	SDG No.:	17090
Lab Sample ID:	I7090-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021472.D	1		01/04/18 14:44	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.3	J	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	917-MW-06(17)	SDG No.:	17090
Lab Sample ID:	I7090-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021472.D	1		01/04/18 14:44	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	9		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.7		61 - 141		111%	SPK: 50
1868-53-7	Dibromofluoromethane	51		69 - 133		102%	SPK: 50
2037-26-5	Toluene-d8	54		65 - 126		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	46		58 - 135		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1241400	4.99				
540-36-3	1,4-Difluorobenzene	1874620	5.89				
3114-55-4	Chlorobenzene-d5	1675690	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	819293	11.49				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	917-MW-06(17)	SDG No.:	17090
Lab Sample ID:	I7090-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021472.D	1		01/04/18 14:44	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021472.D
 Acq On : 04 Jan 2018 14:44
 Operator : MD/SY
 Sample : I7090-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 917-MW-06(17)

Quant Time: Jan 05 11:01:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1241396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1874618	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1675692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	819293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	590392	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
35) Dibromofluoromethane	4.89	113	529309	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	7.57	98	1786523	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
62) 4-Bromofluorobenzene	10.31	95	709616	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	

Target Compounds

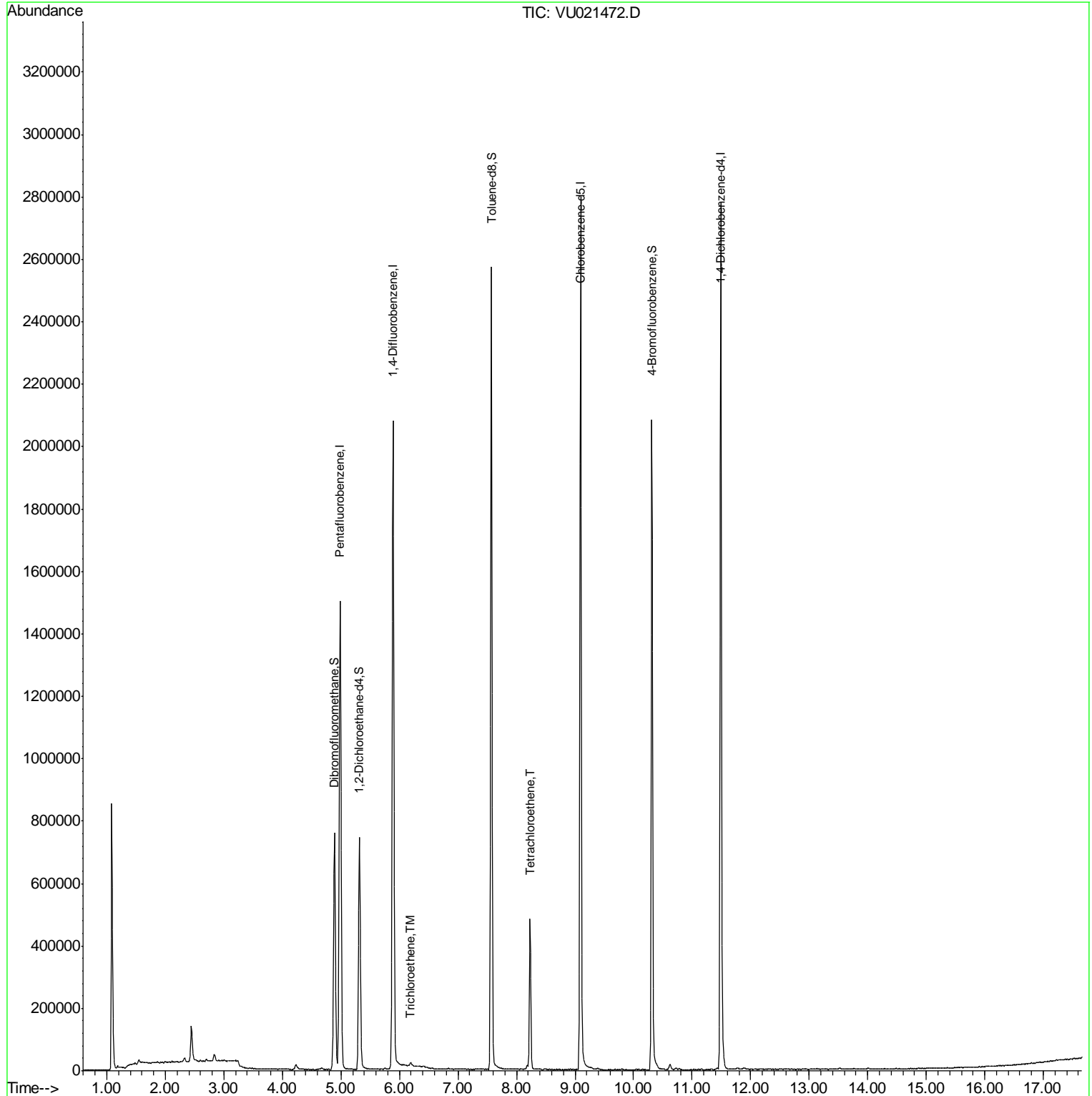
						Qvalue
44) Trichloroethene	6.19	130	4330	0.30	ug/l	99
64) Tetrachloroethene	8.23	164	118892	9.02	ug/l	96

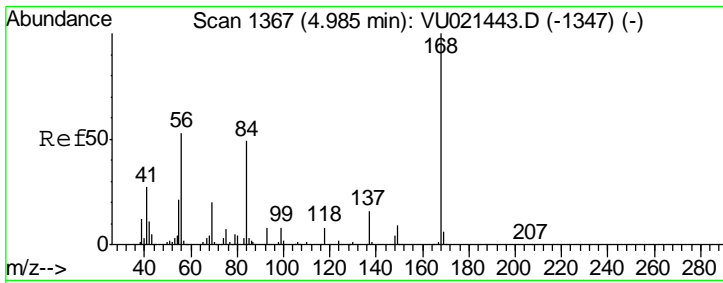
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021472.D
Acq On : 04 Jan 2018 14:44
Operator : MD/SY
Sample : I7090-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
917-MW-06(17)

Quant Time: Jan 05 11:01:08 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

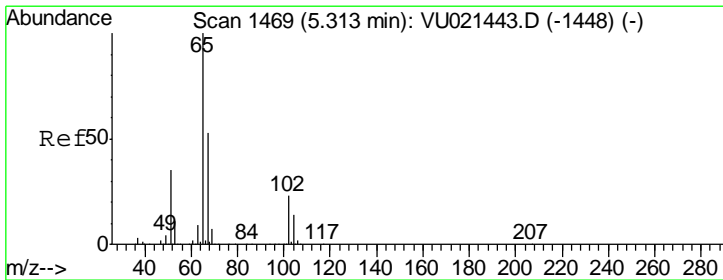
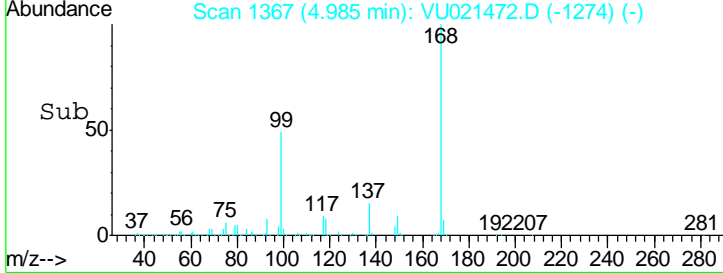
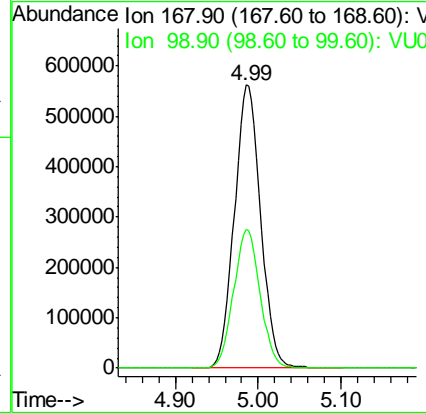
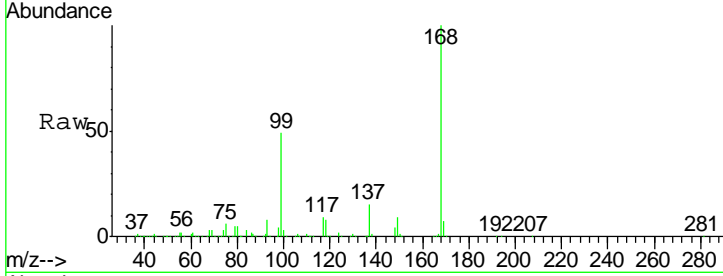




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU021472.D
 Acq: 04 Jan 2018 14:44

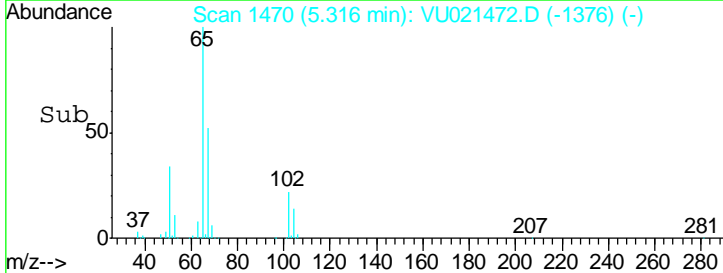
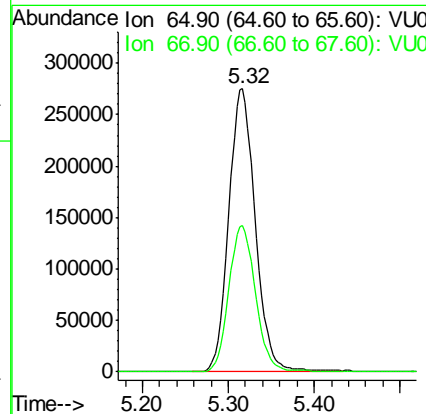
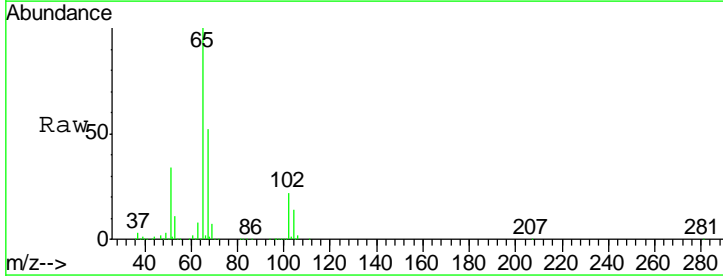
Instrument : MSVOA_U
 ClientSampled : 917-MW-06(17)

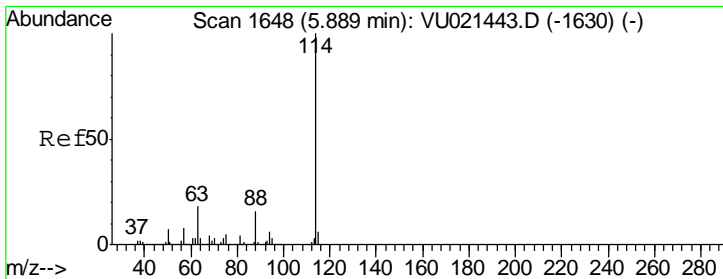
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.0	39.4	59.2



#33
 1,2-Dichloroethane-d4
 Concen: 55.74 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021472.D
 Acq: 04 Jan 2018 14:44

Tgt Ion	Resp	Lower	Upper
65	100		
67	52.0	0.0	106.6

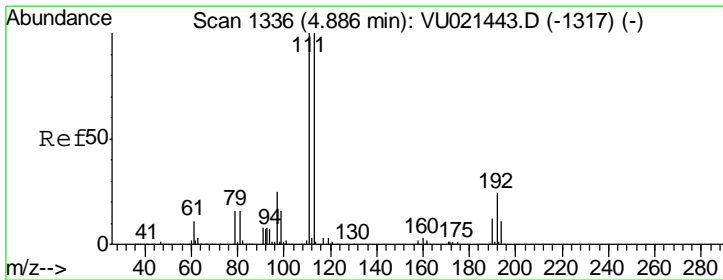
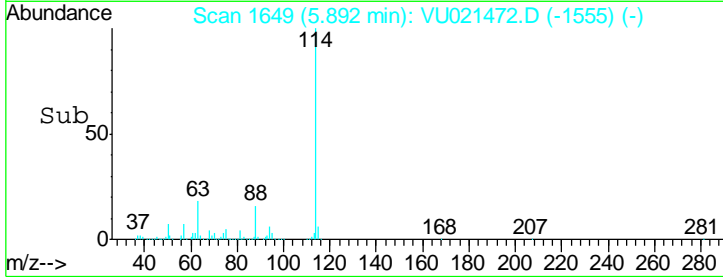
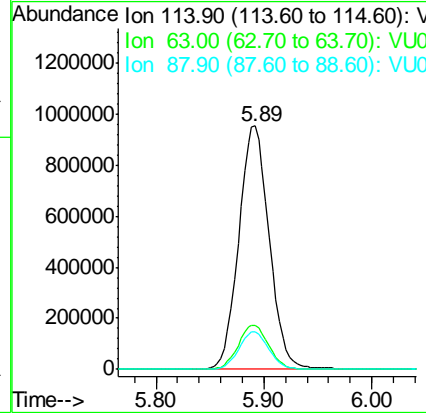
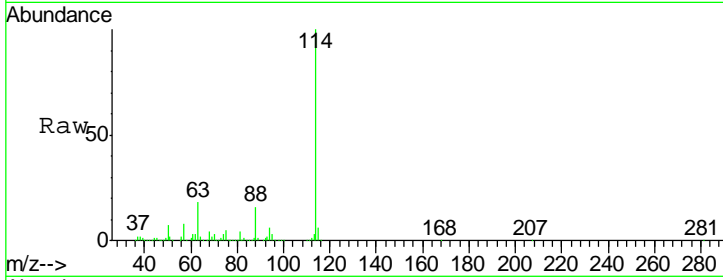




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU021472.D
 Acq: 04 Jan 2018 14:44

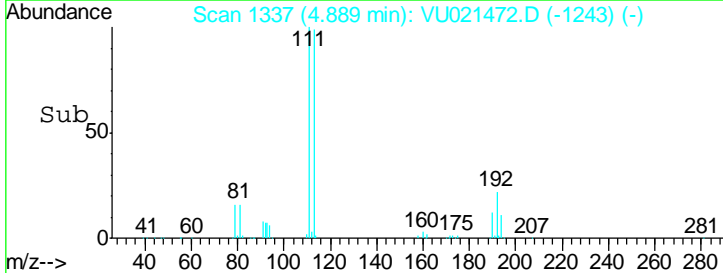
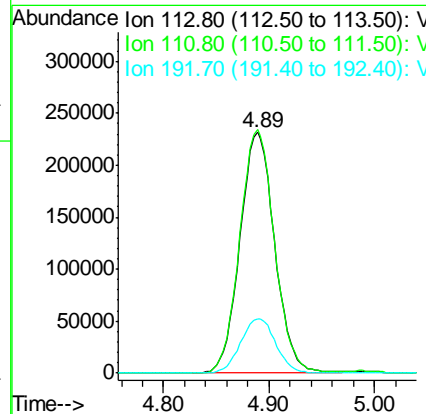
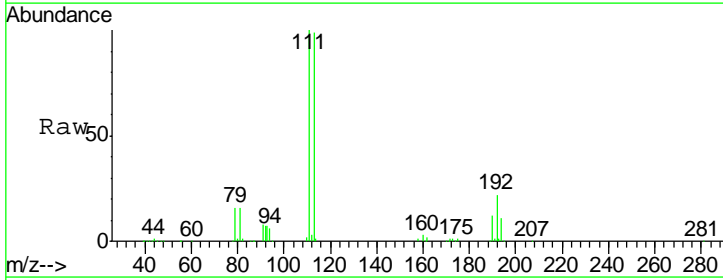
Instrument : MSVOA_U
 ClientSampleId : 917-MW-06(17)

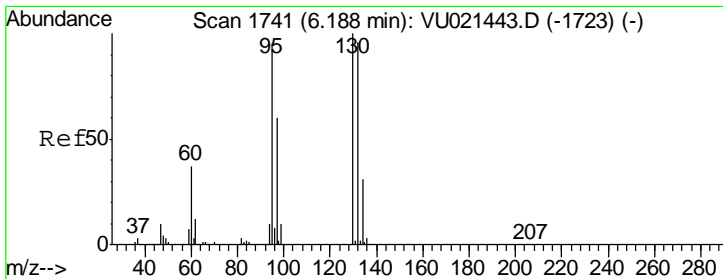
Tgt Ion	Resp	Lower	Upper
114	1874618		
63	18.2	0.0	36.6
88	15.7	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 51.00 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021472.D
 Acq: 04 Jan 2018 14:44

Tgt Ion	Resp	Lower	Upper
113	529309		
111	101.2	82.2	123.2
192	23.0	19.0	28.4

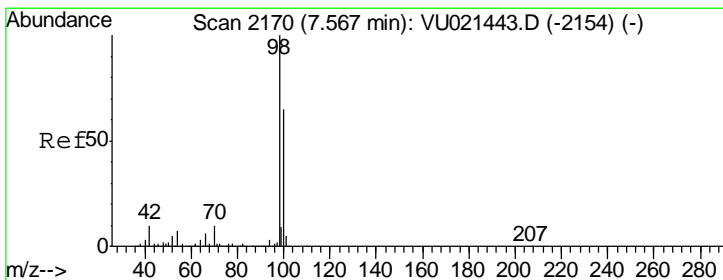
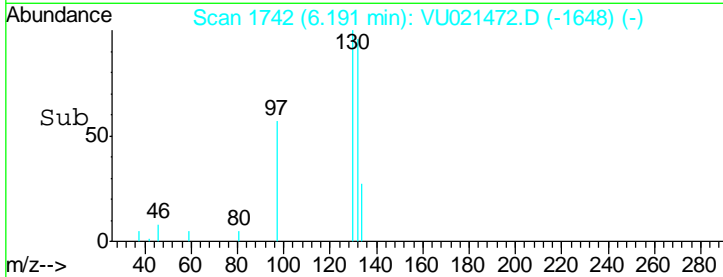
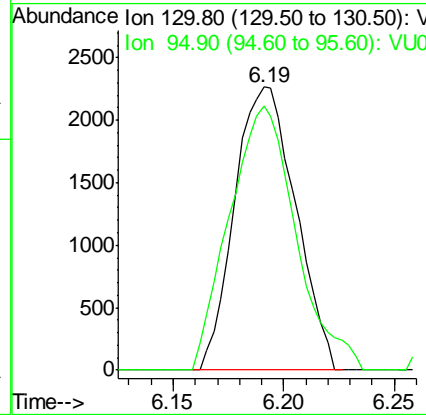
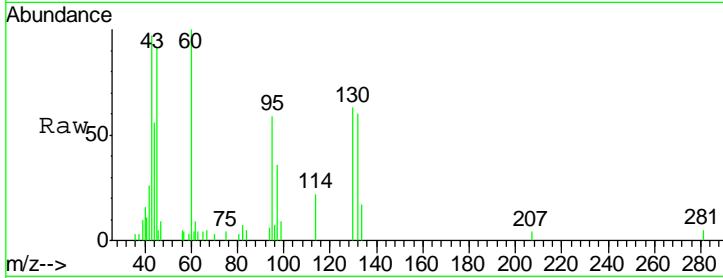




#44
 Trichloroethene
 Concen: 0.30 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU021472.D
 Acq: 04 Jan 2018 14:44

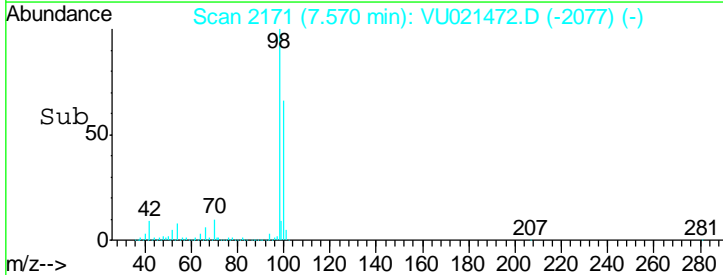
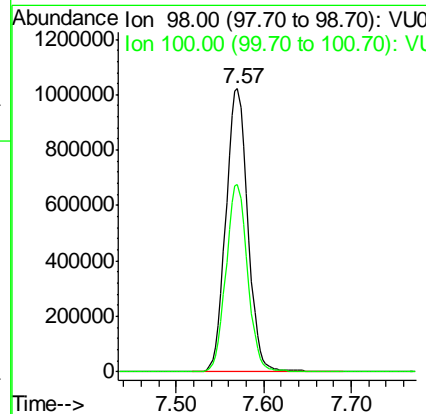
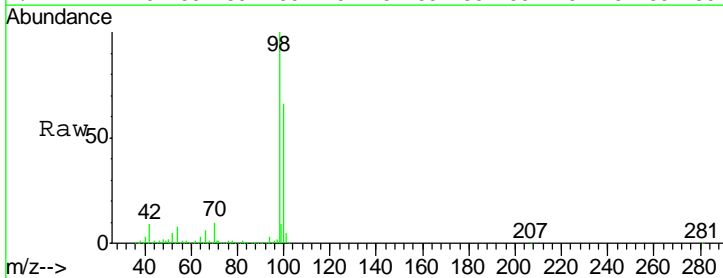
Instrument : MSVOA_U
 ClientSampled : 917-MW-06(17)

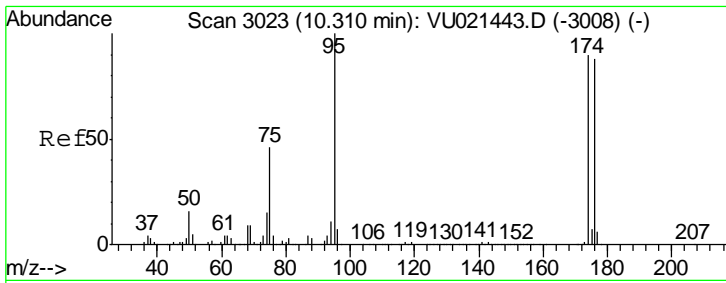
Tgt Ion	Resp	Lower	Upper
130	4330	100	189.6
95	93.5	0.0	189.6



#50
 Toluene-d8
 Concen: 54.01 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021472.D
 Acq: 04 Jan 2018 14:44

Tgt Ion	Resp	Lower	Upper
98	1786523	100	77.8
100	65.1	51.8	77.8

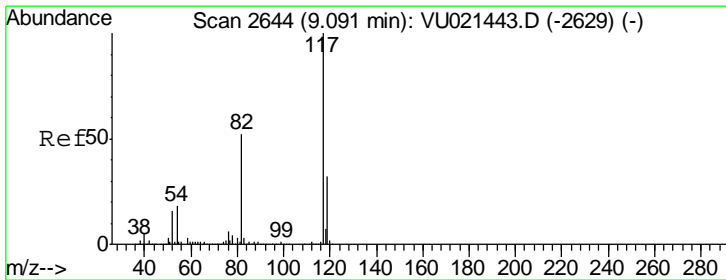
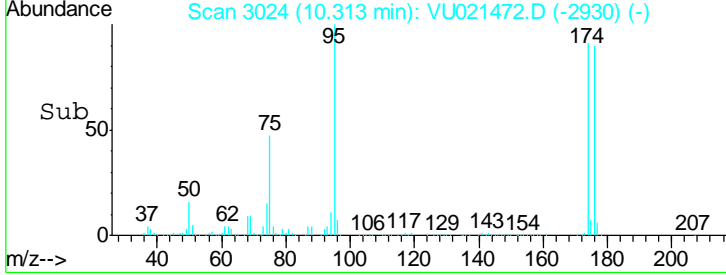
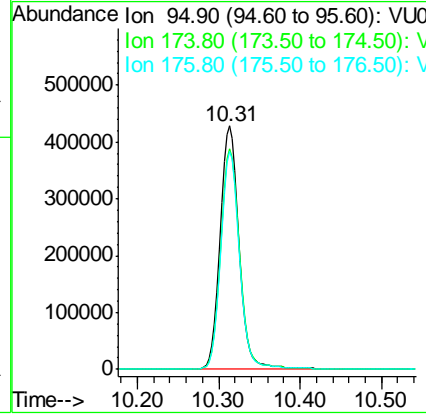
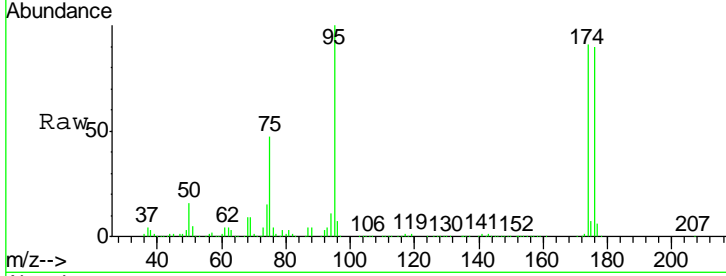




#62
 4-Bromofluorobenzene
 Concen: 46.04 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021472.D
 Acq: 04 Jan 2018 14:44

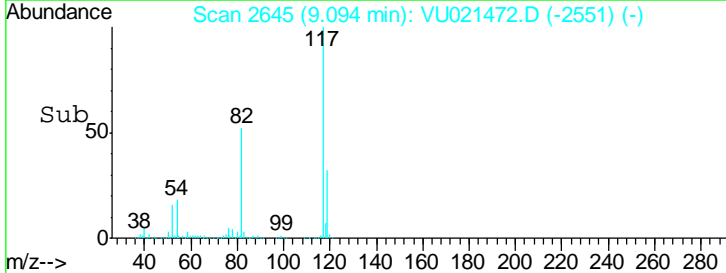
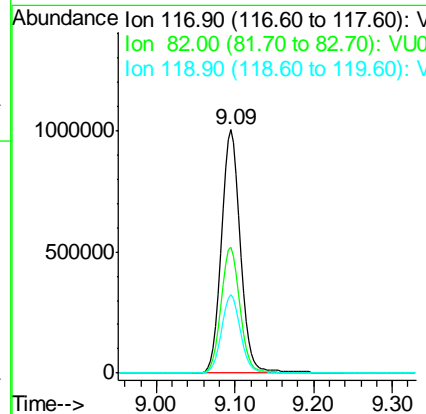
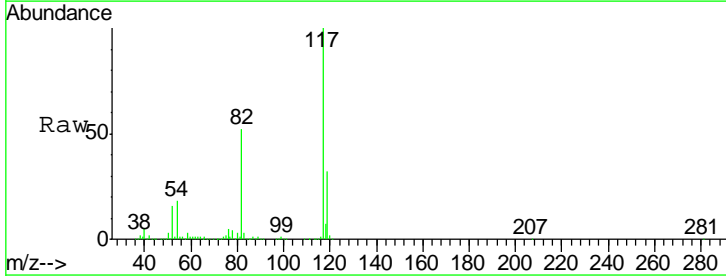
Instrument : MSVOA_U
 Client Sampled : 917-MW-06(17)

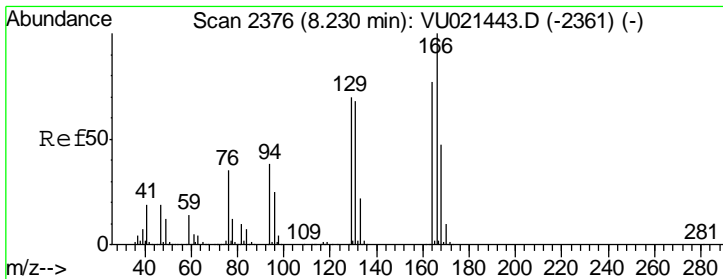
Tgt Ion	Resp	Lower	Upper
95	709616		
174	90.2	0.0	182.6
176	88.8	0.0	178.8



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021472.D
 Acq: 04 Jan 2018 14:44

Tgt Ion	Resp	Lower	Upper
117	1675692		
82	51.5	41.4	62.0
119	32.0	25.7	38.5

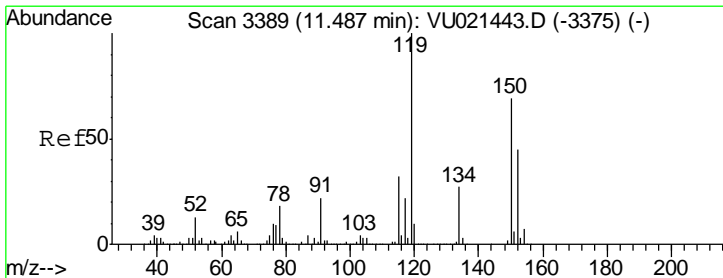
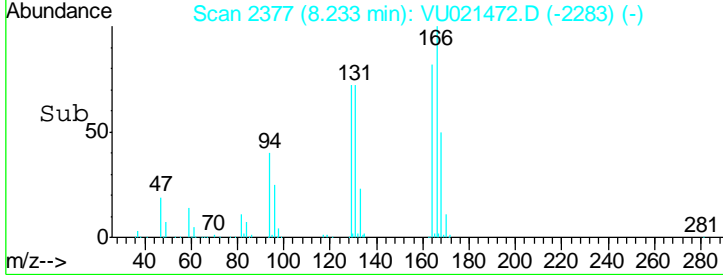
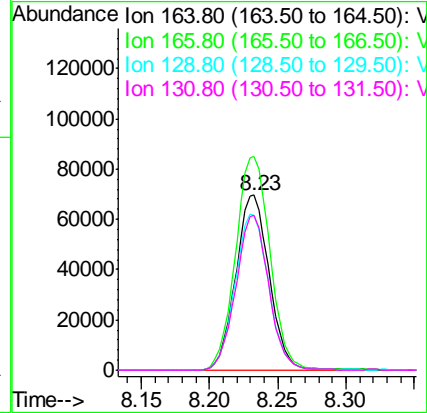
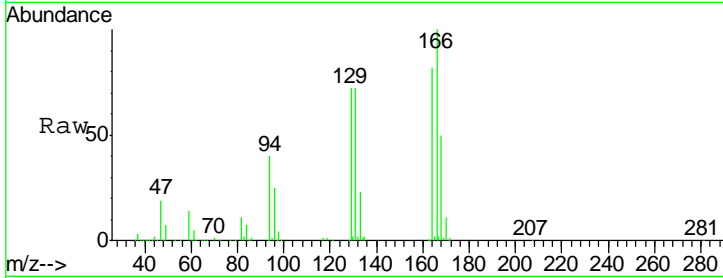




#64
 Tetrachloroethene
 Concen: 9.02 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU021472.D
 Acq: 04 Jan 2018 14:44

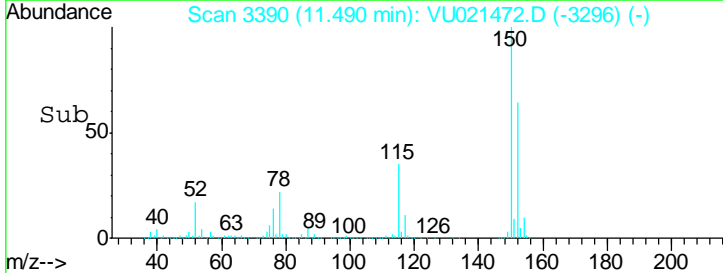
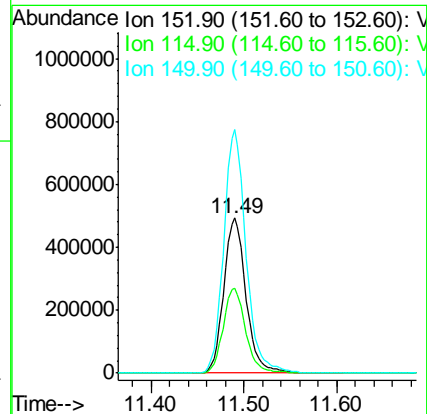
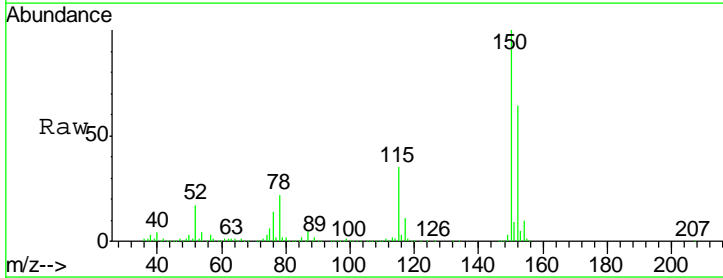
Instrument : MSVOA_U
 Client Sampled : 917-MW-06(17)

Tgt Ion	Resp	Lower	Upper
164	100		
166	122.2	104.1	156.1
129	88.3	73.2	109.8
131	88.4	71.0	106.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021472.D
 Acq: 04 Jan 2018 14:44

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.4	38.0	114.1
150	157.0	0.0	343.2



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021472.D
 Acq On : 04 Jan 2018 14:44
 Operator : MD/SY
 Sample : I7090-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 917-MW-06(17)

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	135	154	176	rBV	855124	1240818	26.34%	4.084%
2	2.445	567	577	595	rBV	111121	213836	4.54%	0.704%
3	4.889	1319	1337	1352	rBV	760019	1724193	36.60%	5.675%
4	4.985	1352	1367	1392	rVB	1496398	3306291	70.18%	10.882%
5	5.316	1451	1470	1495	rBV	743626	1597310	33.90%	5.257%
6	5.889	1627	1648	1677	rBV	2075584	4157818	88.25%	13.685%
7	7.570	2156	2171	2192	rBV	2570418	4505340	95.63%	14.829%
8	8.230	2365	2376	2397	rVB	481803	829510	17.61%	2.730%
9	9.094	2631	2645	2689	rBV	2797898	4711232	100.00%	15.507%
10	10.313	3010	3024	3062	rBV	2082419	3443535	73.09%	11.334%
11	11.490	3377	3390	3425	rBV	2774725	4651846	98.74%	15.311%

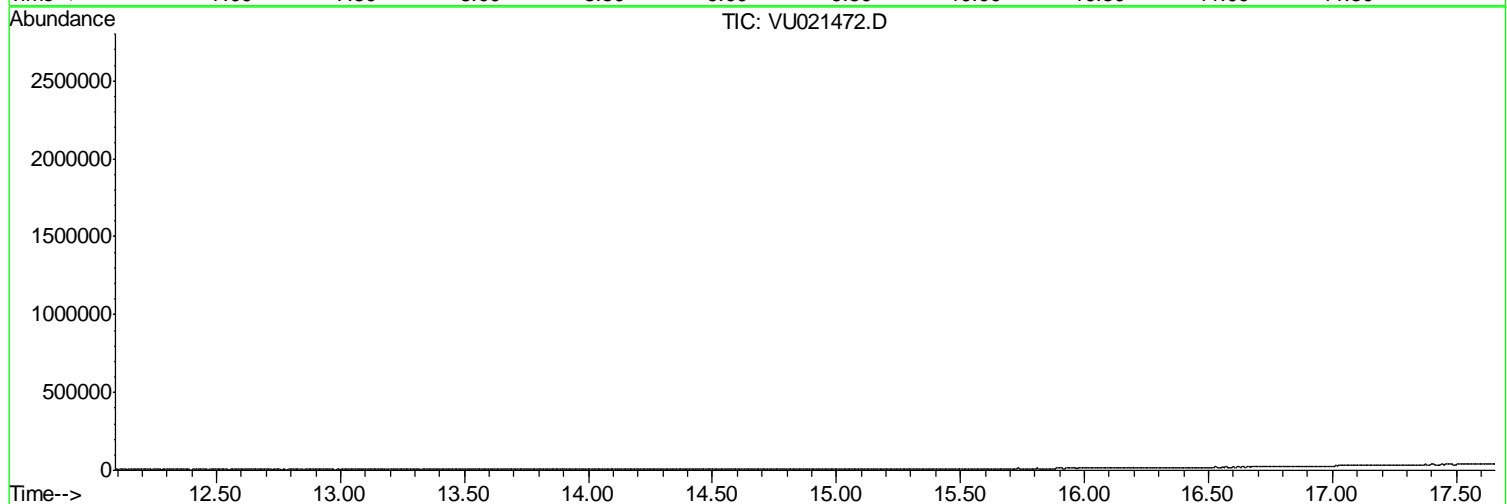
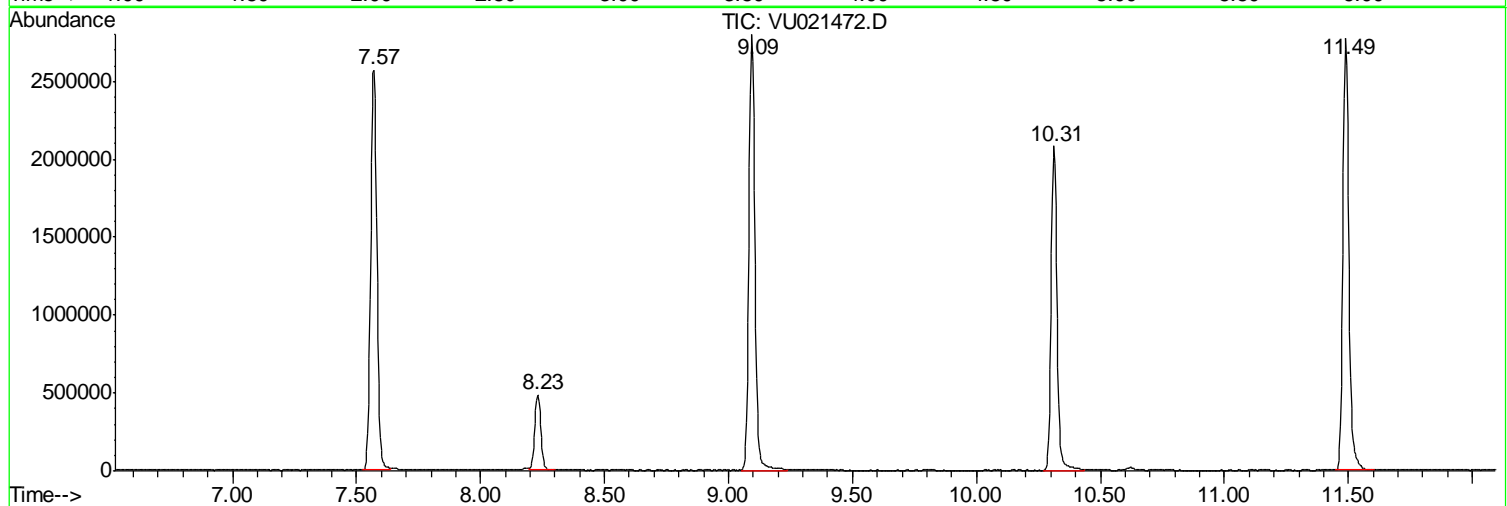
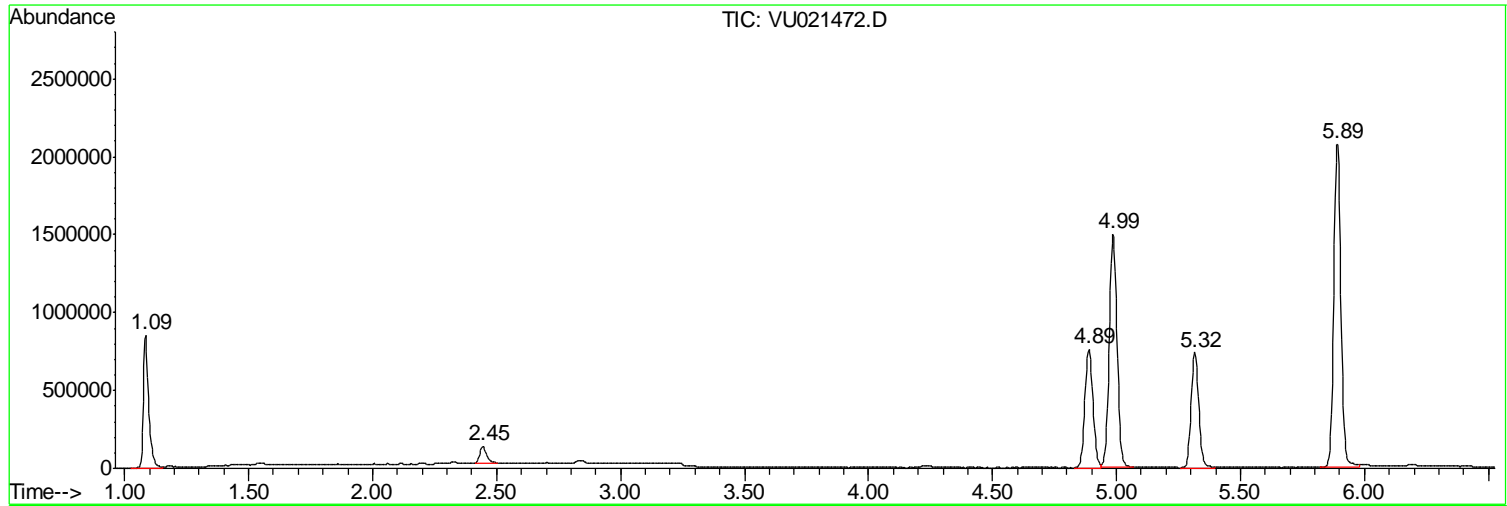
Sum of corrected areas: 30381729

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021472.D
Acq On : 04 Jan 2018 14:44
Operator : MD/SY
Sample : I7090-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
917-MW-06(17)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021472.D
Acq On : 04 Jan 2018 14:44
Operator : MD/SY
Sample : I7090-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
917-MW-06(17)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021472.D
 Acq On : 04 Jan 2018 14:44
 Operator : MD/SY
 Sample : I7090-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 917-MW-06(17)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	918-MW-07(22.5)	SDG No.:	17090
Lab Sample ID:	17090-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021473.D	1		01/04/18 15:11	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	6		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	918-MW-07(22.5)	SDG No.:	17090
Lab Sample ID:	17090-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021473.D	1		01/04/18 15:11	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	3.6		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.9		61 - 141		106%	SPK: 50
1868-53-7	Dibromofluoromethane	48		69 - 133		96%	SPK: 50
2037-26-5	Toluene-d8	51.8		65 - 126		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.5		58 - 135		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1298190	4.99				
540-36-3	1,4-Difluorobenzene	1940090	5.89				
3114-55-4	Chlorobenzene-d5	1735190	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	827576	11.49				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	918-MW-07(22.5)	SDG No.:	17090
Lab Sample ID:	I7090-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021473.D	1		01/04/18 15:11	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021473.D
 Acq On : 04 Jan 2018 15:11
 Operator : MD/SY
 Sample : I7090-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 918-MW-07(22.5)

Quant Time: Jan 04 15:43:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

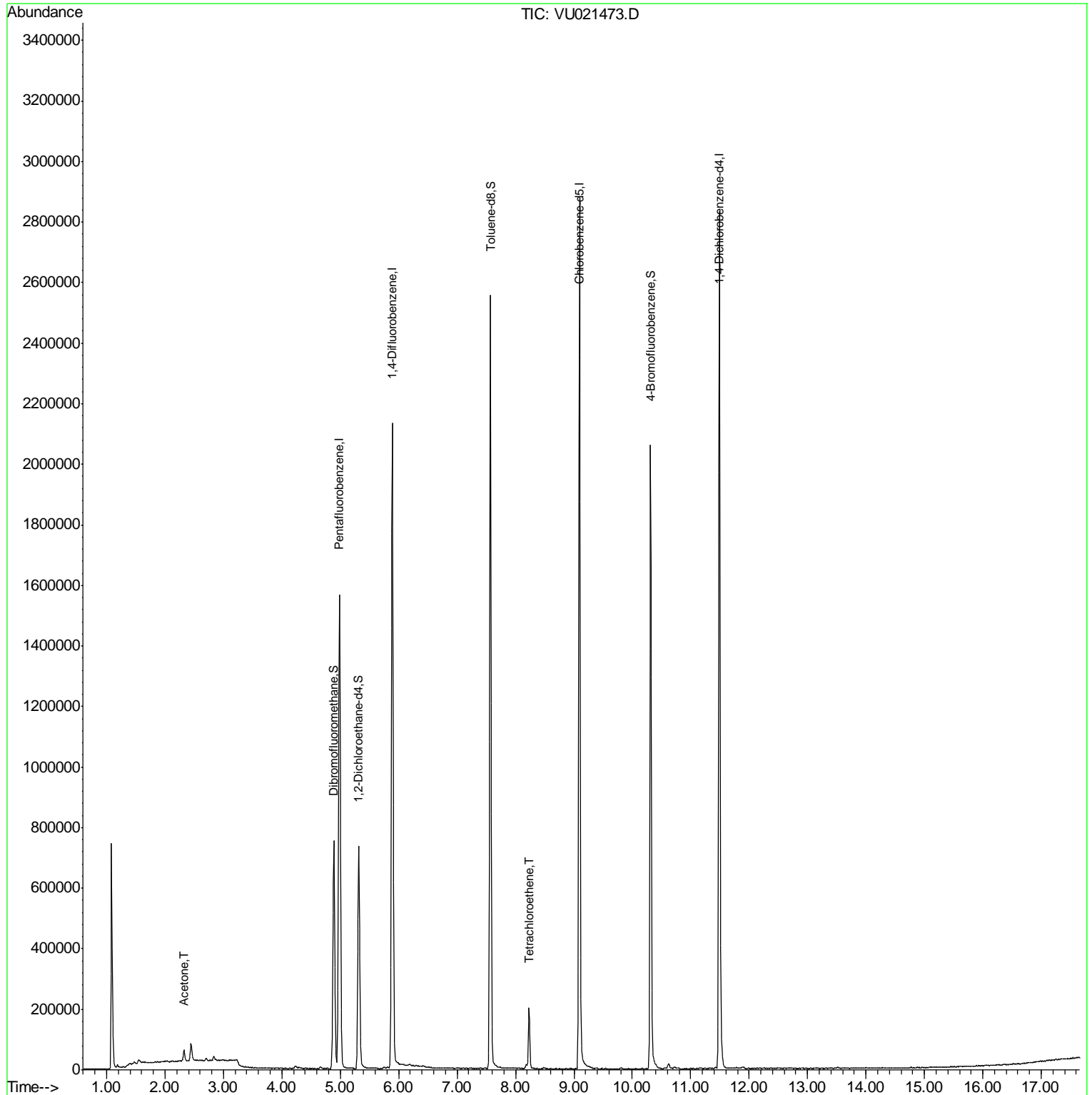
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1298192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1940092	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1735194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	827576	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	585460	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
35) Dibromofluoromethane	4.89	113	515754	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	7.57	98	1773374	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	10.31	95	693792	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	
Target Compounds						
16) Acetone	2.32	43	39734	6.04	ug/l	99
64) Tetrachloroethene	8.23	164	48690	3.57	ug/l	94

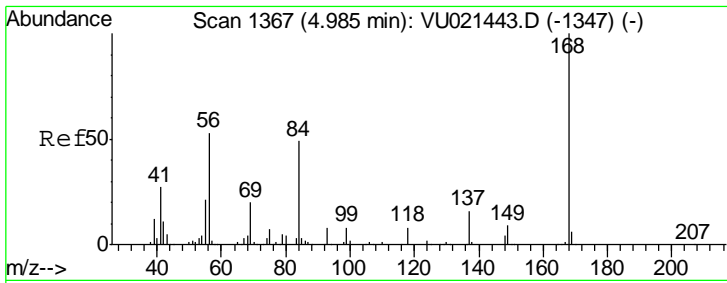
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021473.D
Acq On : 04 Jan 2018 15:11
Operator : MD/SY
Sample : I7090-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
918-MW-07(22.5)

Quant Time: Jan 04 15:43:33 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

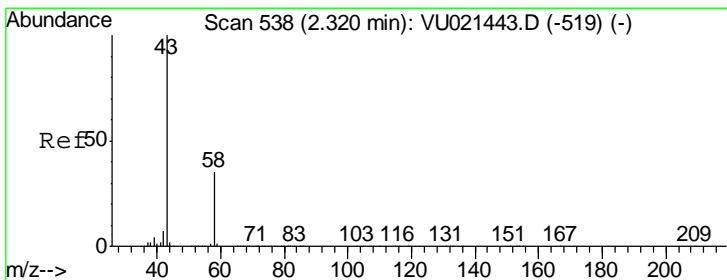
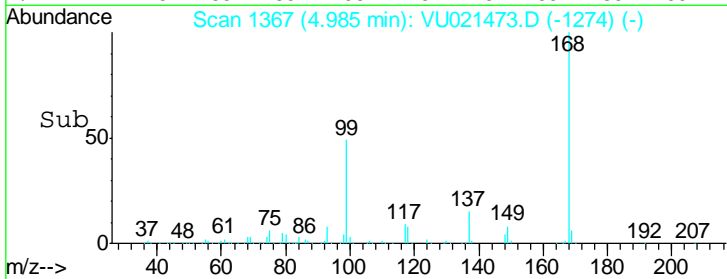
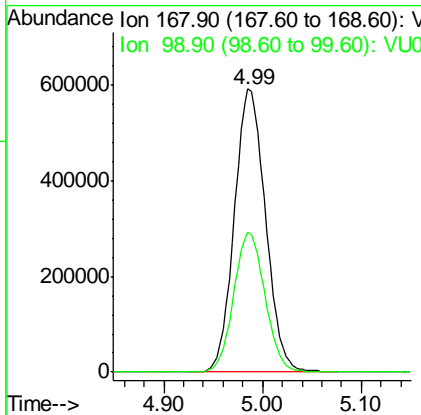
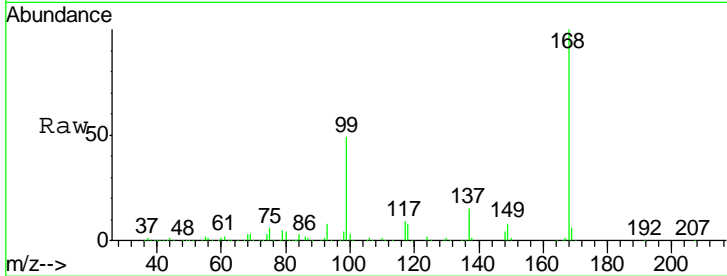




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU021473.D
 Acq: 04 Jan 2018 15:11

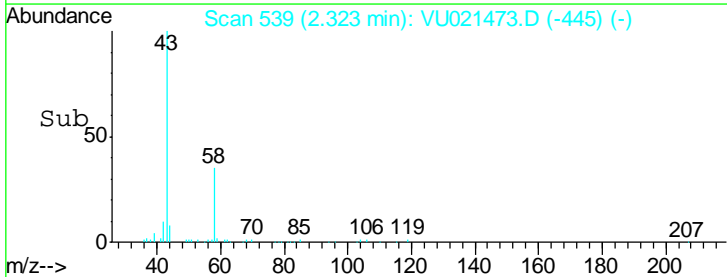
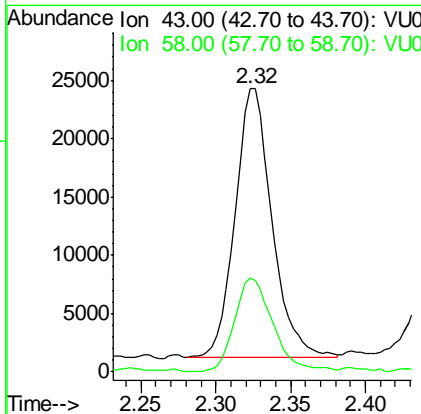
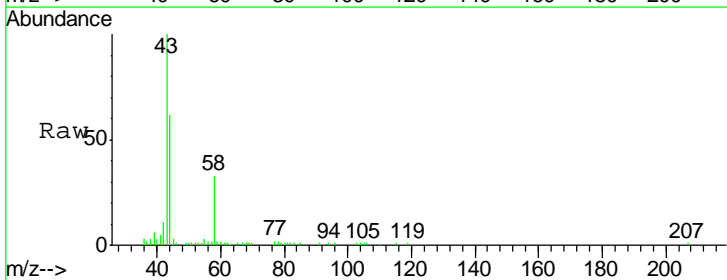
Instrument : MSVOA_U
 ClientSampleId : 918-MW-07(22.5)

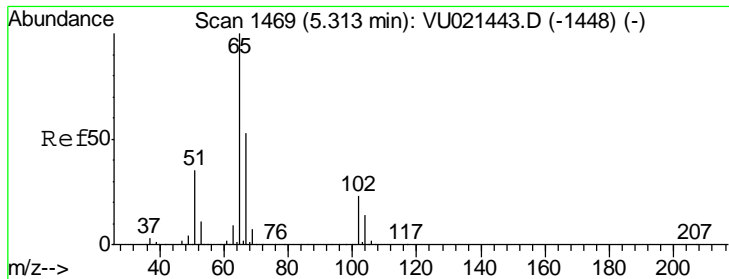
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.3	39.4	59.2



#16
 Acetone
 Concen: 6.04 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU021473.D
 Acq: 04 Jan 2018 15:11

Tgt Ion	Resp	Lower	Upper
43	100		
58	35.1	27.8	41.8

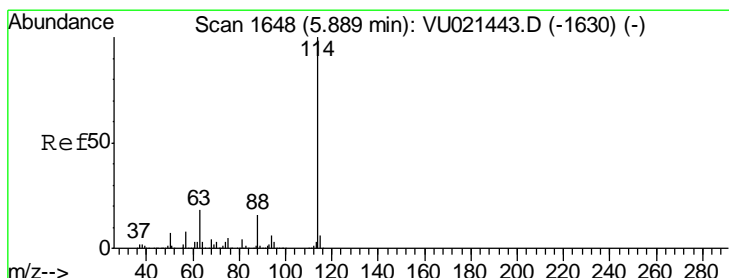
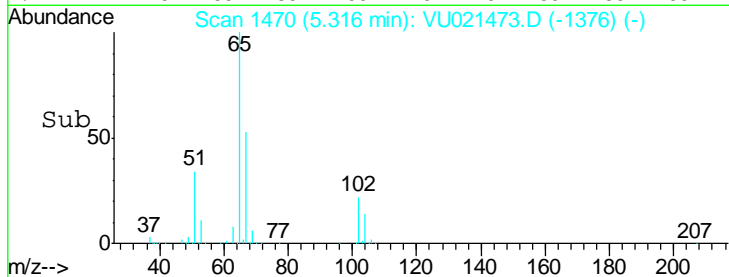
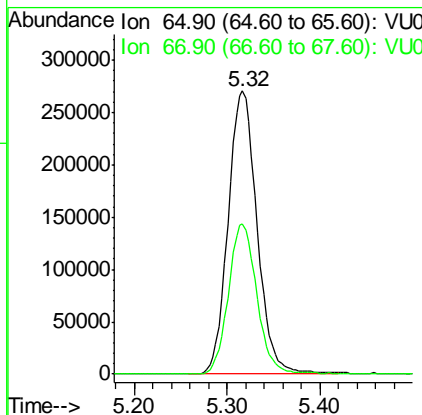
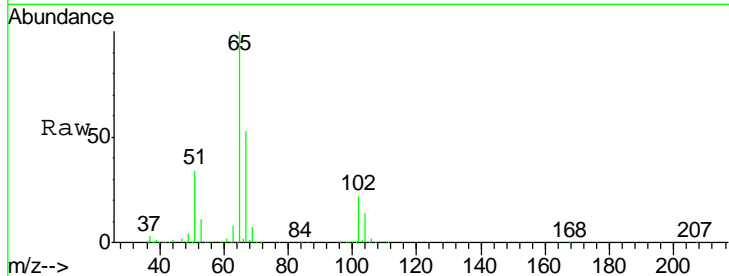




#33
 1,2-Dichloroethane-d4
 Concen: 52.86 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021473.D
 Acq: 04 Jan 2018 15:11

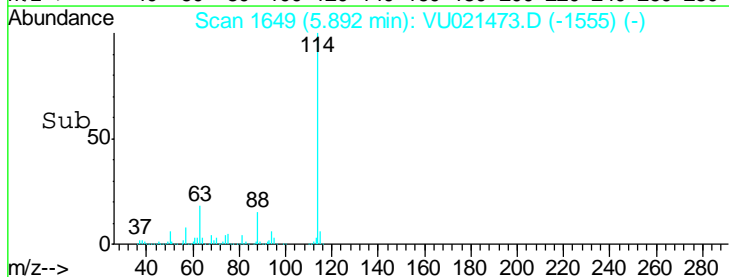
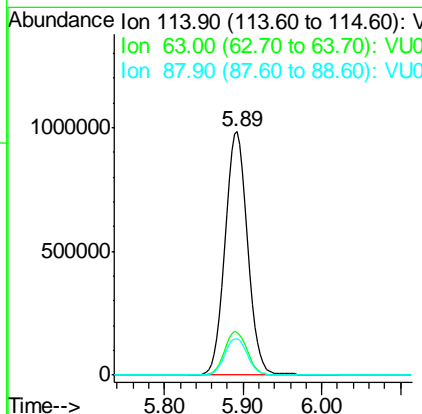
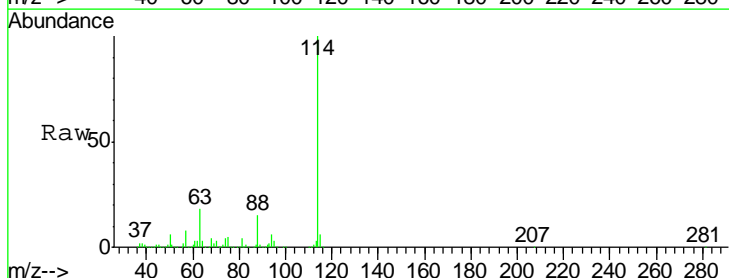
Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)

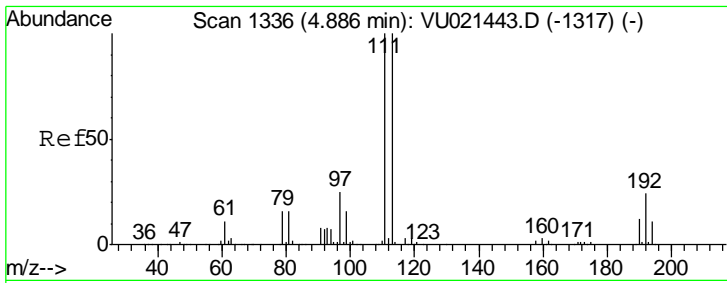
Tgt Ion	Resp	Lower	Upper
65	100		
67	52.2	0.0	106.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU021473.D
 Acq: 04 Jan 2018 15:11

Tgt Ion	Resp	Lower	Upper
114	100		
63	17.7	0.0	36.6
88	15.1	0.0	31.2

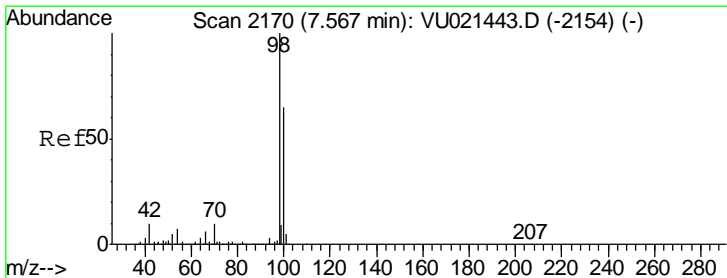
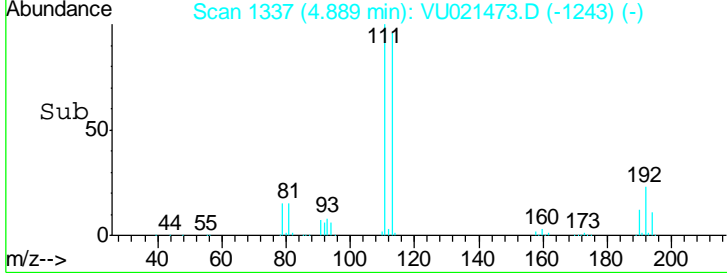
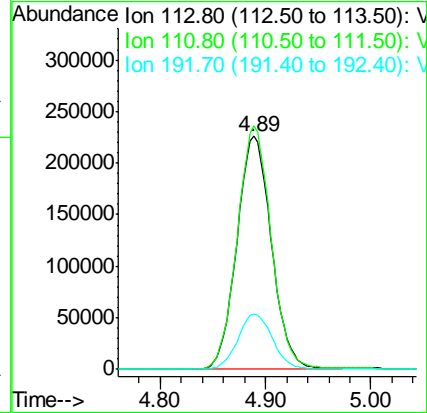
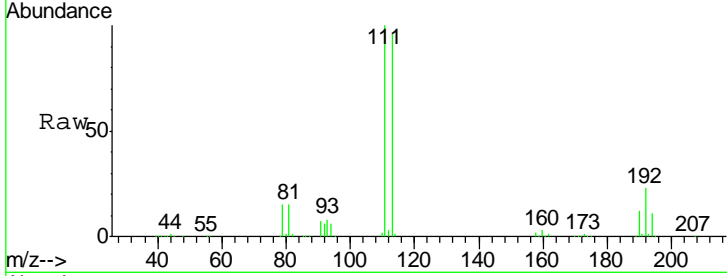




#35
 Dibromofluoromethane
 Concen: 48.02 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021473.D
 Acq: 04 Jan 2018 15:11

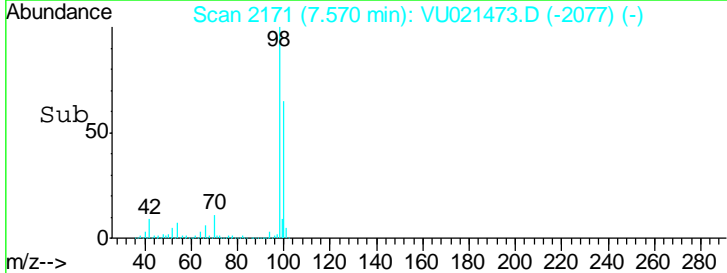
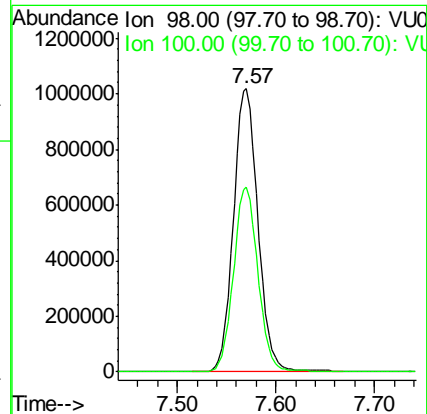
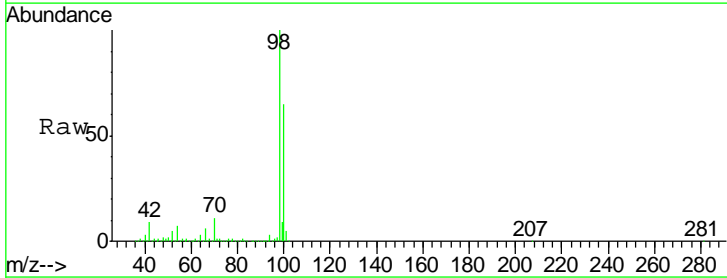
Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)

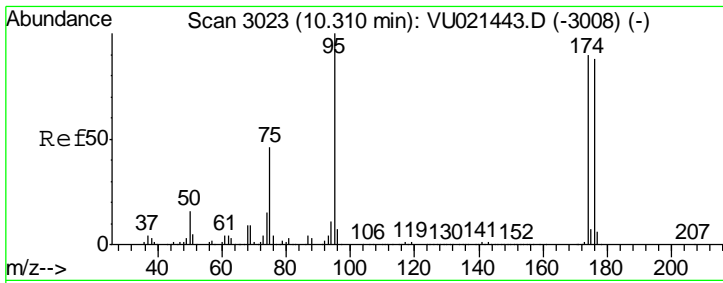
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.2	82.2	123.2
192	23.7	19.0	28.4



#50
 Toluene-d8
 Concen: 51.80 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021473.D
 Acq: 04 Jan 2018 15:11

Tgt Ion	Resp	Lower	Upper
98	100		
100	65.3	51.8	77.8

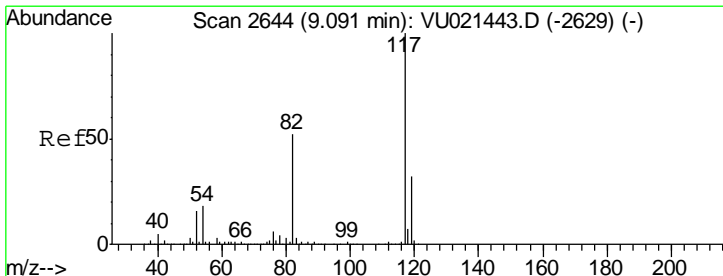
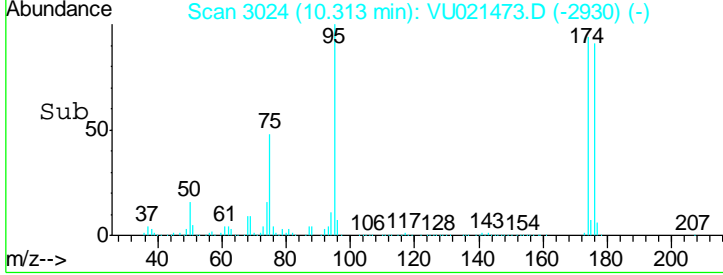
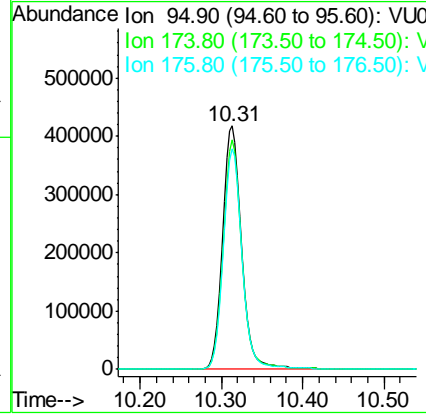
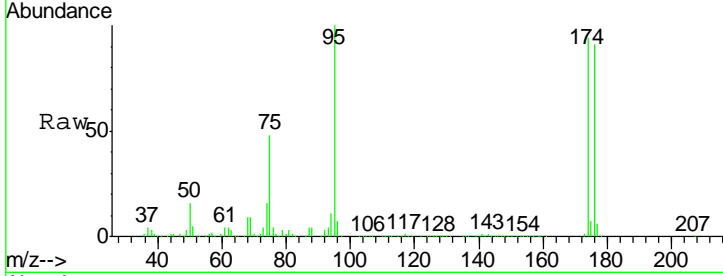




#62
 4-Bromofluorobenzene
 Concen: 43.49 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021473.D
 Acq: 04 Jan 2018 15:11

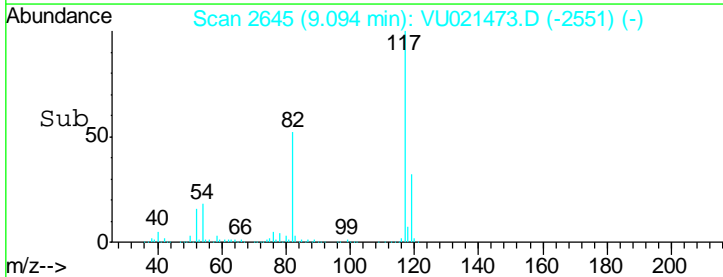
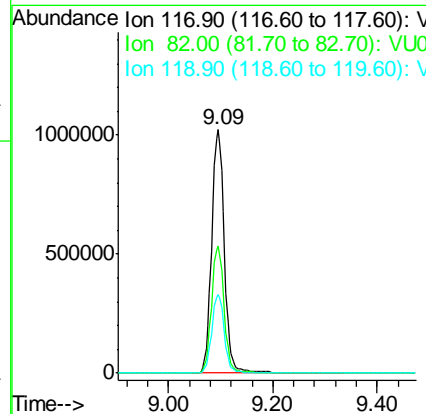
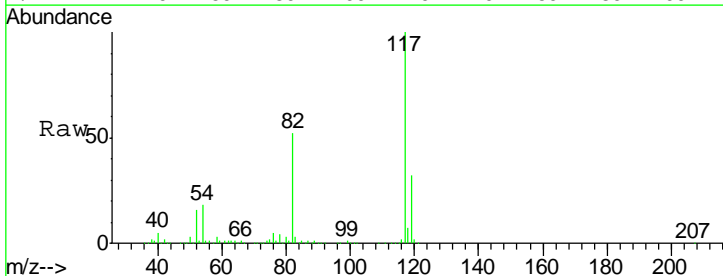
Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)

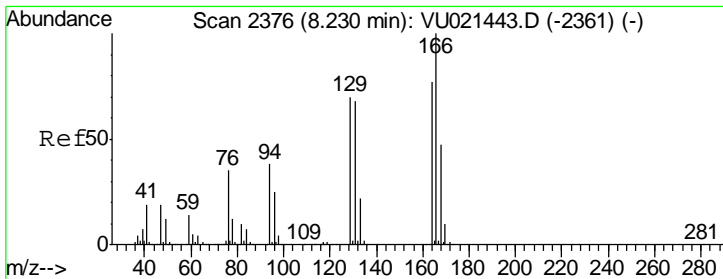
Tgt Ion	Resp	Lower	Upper
95	693792		
174	92.3	0.0	182.6
176	89.7	0.0	178.8



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021473.D
 Acq: 04 Jan 2018 15:11

Tgt Ion	Resp	Lower	Upper
117	1735194		
82	52.1	41.4	62.0
119	32.4	25.7	38.5

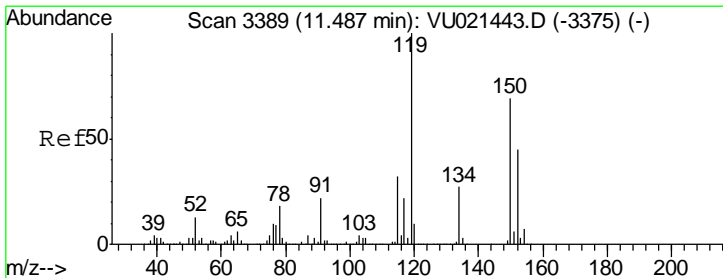
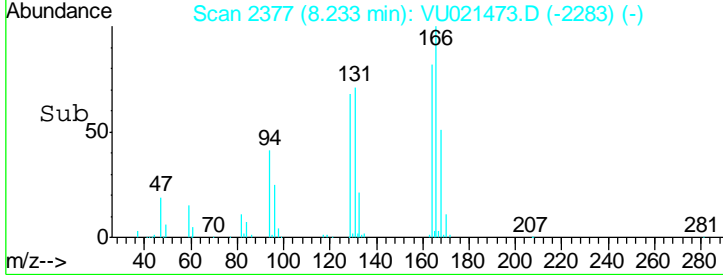
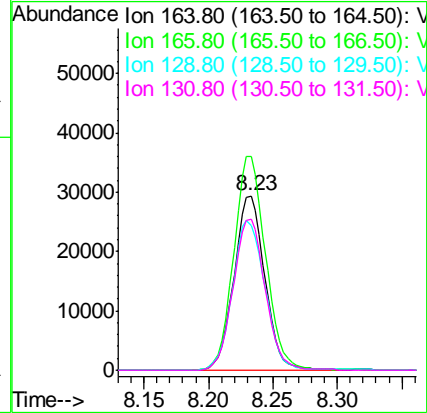
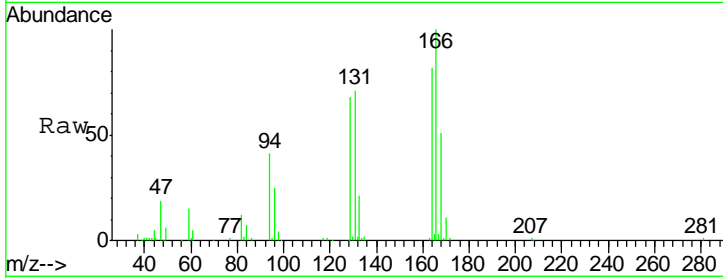




#64
 Tetrachloroethene
 Concen: 3.57 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU021473.D
 Acq: 04 Jan 2018 15:11

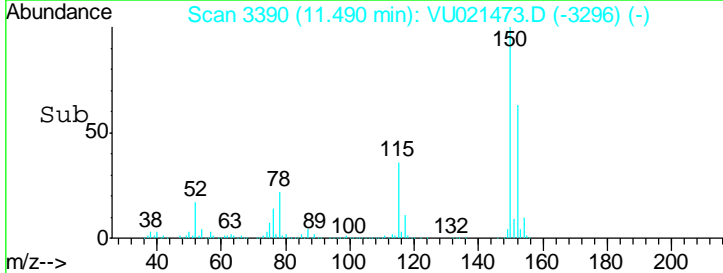
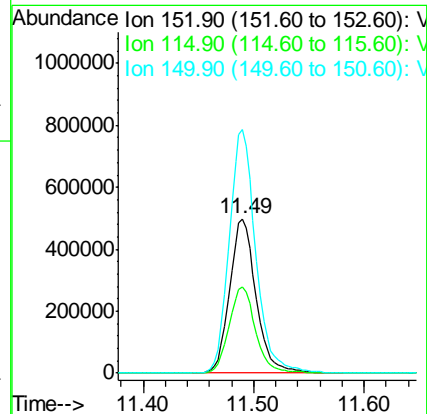
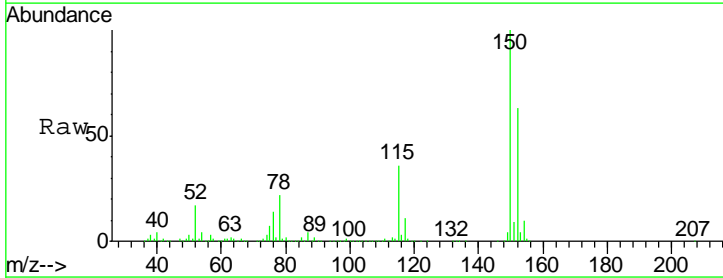
Instrument : MSVOA_U
 ClientSampleId : 918-MW-07(22.5)

Tgt Ion	Resp	Lower	Upper
164	100		
166	122.5	104.1	156.1
129	82.7	73.2	109.8
131	86.6	71.0	106.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021473.D
 Acq: 04 Jan 2018 15:11

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.1	38.0	114.1
150	158.7	0.0	343.2



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021473.D
 Acq On : 04 Jan 2018 15:11
 Operator : MD/SY
 Sample : I7090-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 918-MW-07(22.5)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	139	154	176	rBV	745324	1054191	21.80%	3.509%
2	2.323	534	539	553	rVB	35754	55776	1.15%	0.186%
3	2.445	569	577	597	rVB2	55212	109489	2.26%	0.364%
4	4.889	1317	1337	1352	rBV	754761	1704773	35.25%	5.675%
5	4.985	1352	1367	1401	rVB	1564280	3473994	71.83%	11.564%
6	5.316	1453	1470	1490	rBV	733493	1575792	32.58%	5.245%
7	5.892	1630	1649	1670	rBV	2129522	4242697	87.72%	14.123%
8	7.570	2155	2171	2213	rBV	2554318	4508783	93.22%	15.008%
9	8.230	2366	2376	2396	rVB2	201804	346161	7.16%	1.152%
10	9.094	2631	2645	2677	rBV	2876917	4836479	100.00%	16.099%
11	10.313	3008	3024	3065	rBV	2059145	3393688	70.17%	11.297%
12	11.490	3377	3390	3417	rBV	2829224	4739949	98.00%	15.778%

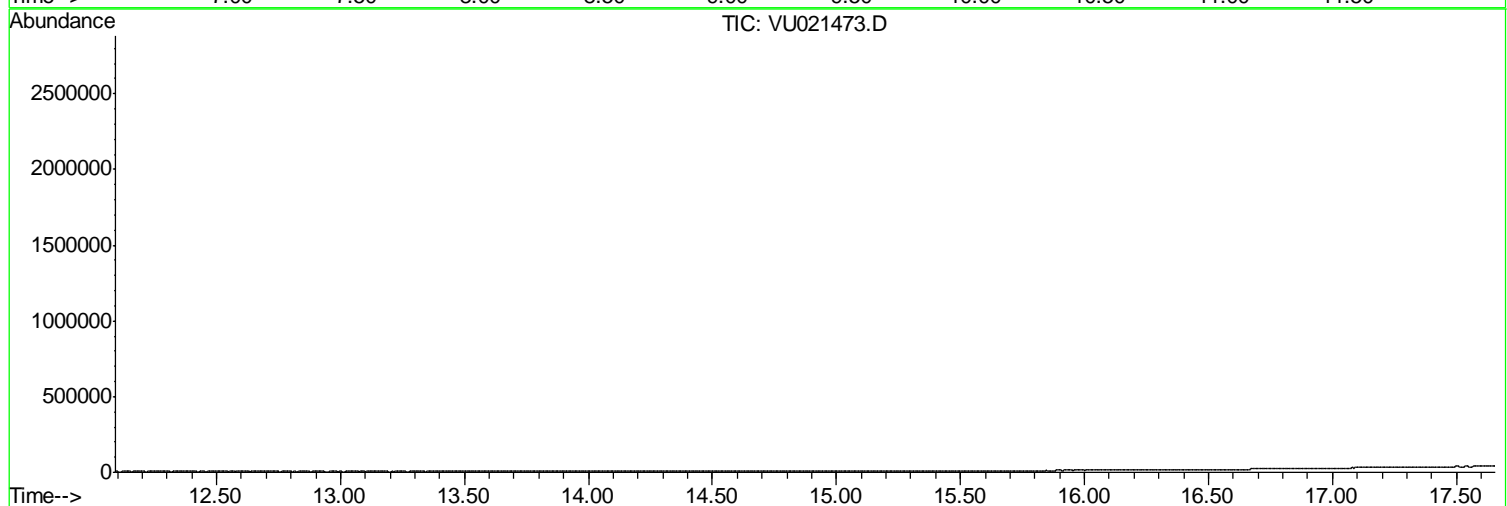
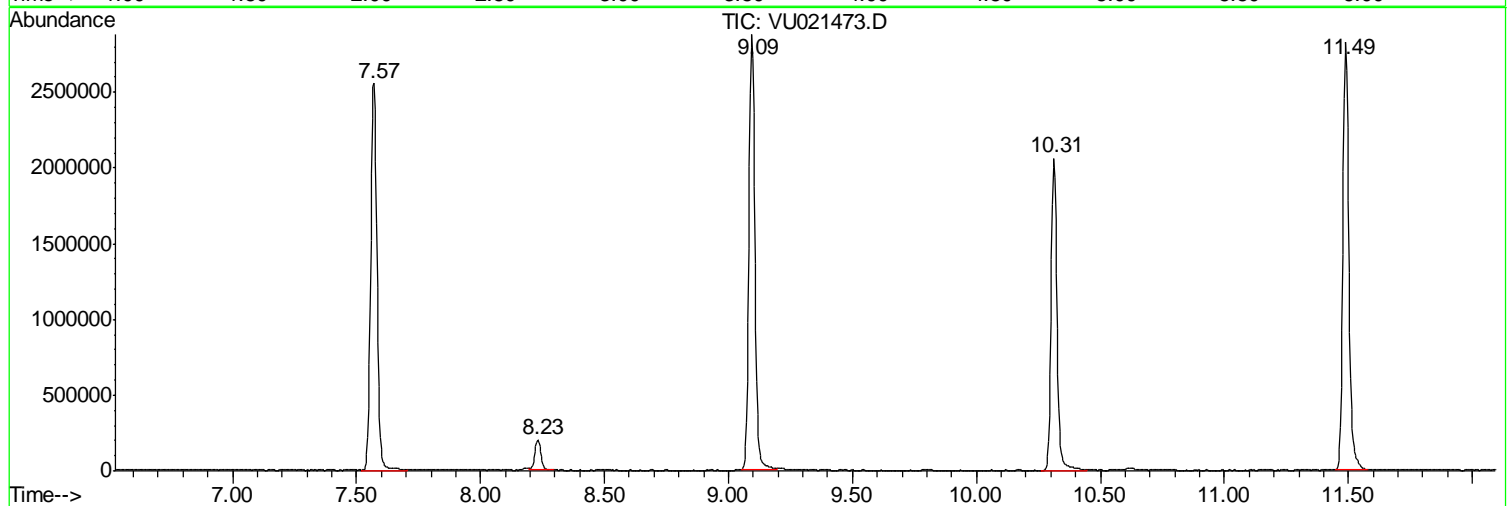
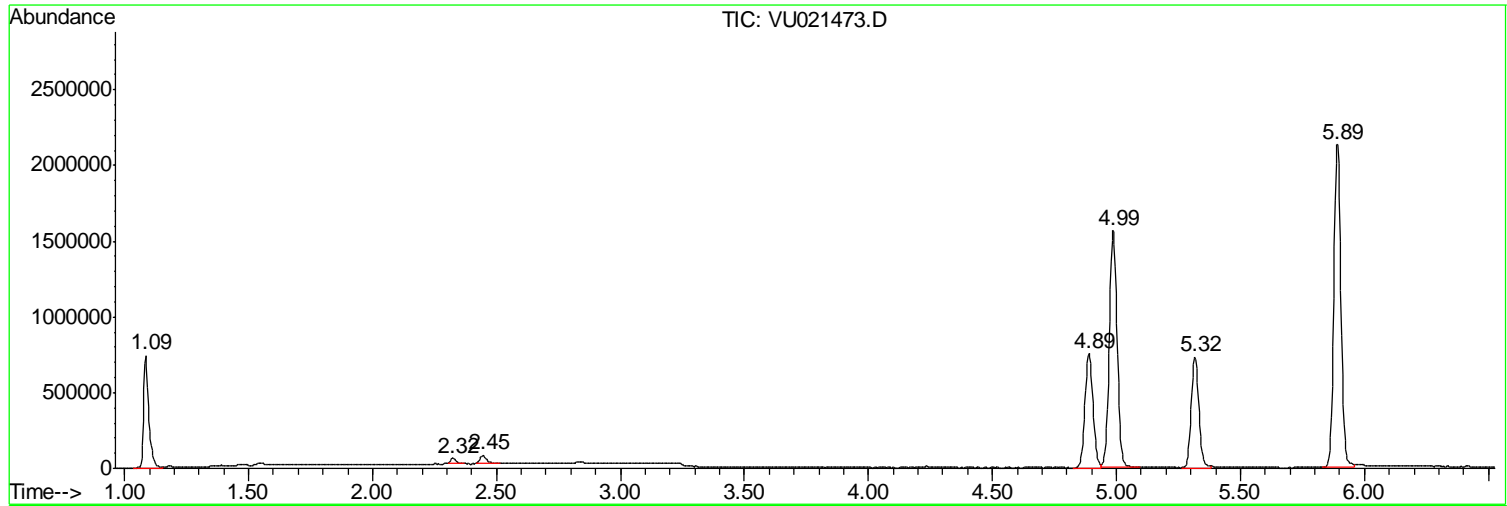
Sum of corrected areas: 30041772

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021473.D
Acq On : 04 Jan 2018 15:11
Operator : MD/SY
Sample : I7090-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
918-MW-07(22.5)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021473.D
Acq On : 04 Jan 2018 15:11
Operator : MD/SY
Sample : I7090-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
918-MW-07(22.5)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021473.D
 Acq On : 04 Jan 2018 15:11
 Operator : MD/SY
 Sample : I7090-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 918-MW-07(22.5)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	919-MW-11(15)	SDG No.:	17090
Lab Sample ID:	I7090-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021474.D	1		01/04/18 15:38	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	919-MW-11(15)	SDG No.:	17090
Lab Sample ID:	I7090-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021474.D	1		01/04/18 15:38	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.94	J	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.8		61 - 141		108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		69 - 133		99%	SPK: 50
2037-26-5	Toluene-d8	52.8		65 - 126		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		58 - 135		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1254700	4.99				
540-36-3	1,4-Difluorobenzene	1891550	5.89				
3114-55-4	Chlorobenzene-d5	1678890	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	802623	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	919-MW-11(15)	SDG No.:	I7090
Lab Sample ID:	I7090-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021474.D	1		01/04/18 15:38	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021474.D
 Acq On : 04 Jan 2018 15:38
 Operator : MD/SY
 Sample : I7090-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 919-MW-11(15)

Quant Time: Jan 05 11:01:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

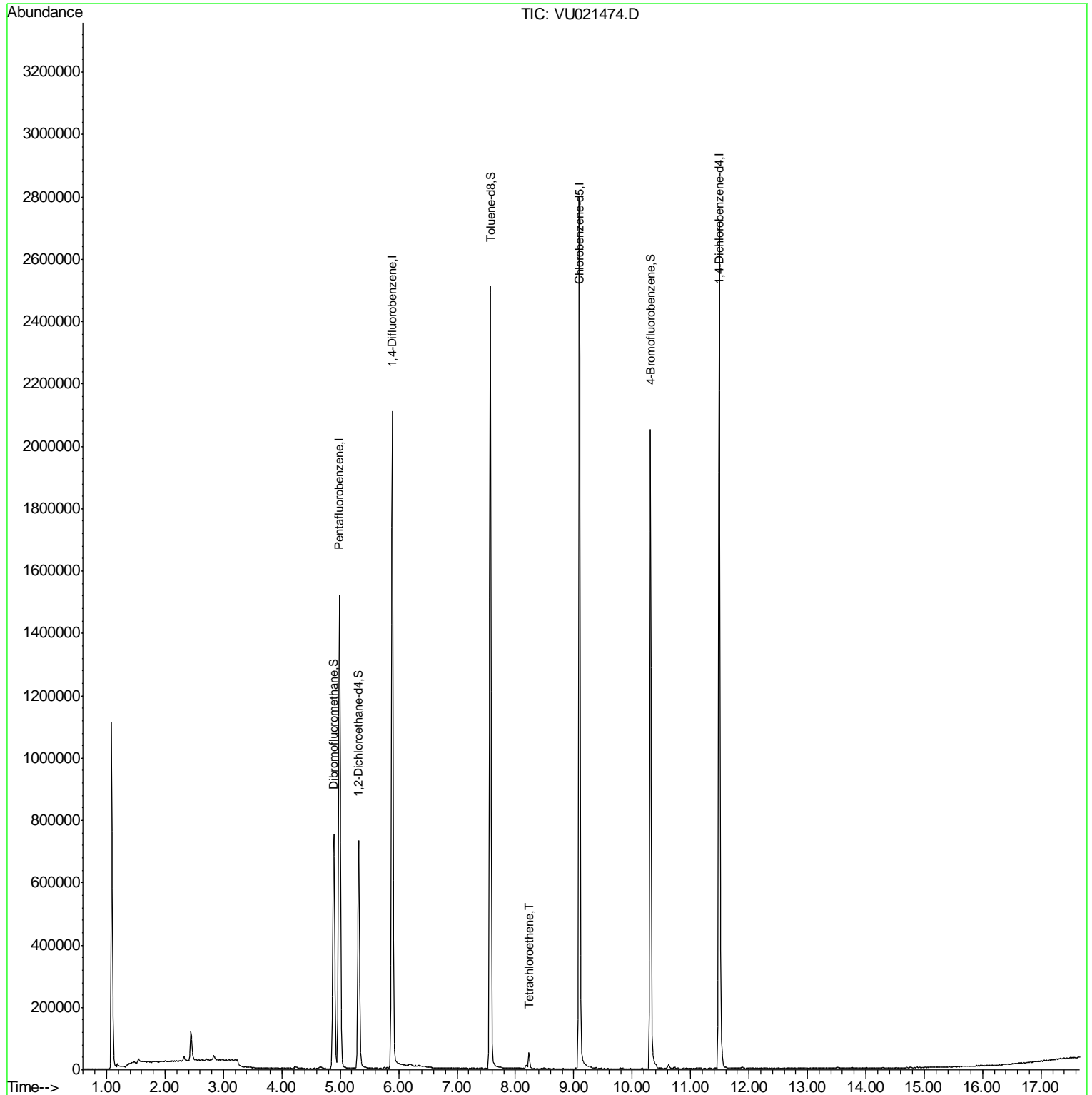
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1254699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1891553	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1678888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	802623	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	575855	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	4.89	113	518580	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	7.57	98	1762650	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
62) 4-Bromofluorobenzene	10.31	95	690523	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	
Target Compounds						
64) Tetrachloroethene	8.23	164	12347	0.94	ug/l	94

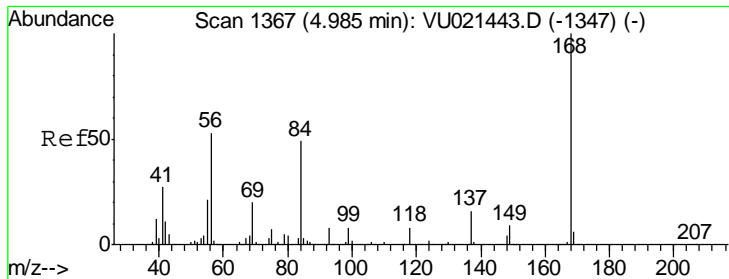
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021474.D
Acq On : 04 Jan 2018 15:38
Operator : MD/SY
Sample : I7090-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
919-MW-11(15)

Quant Time: Jan 05 11:01:59 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

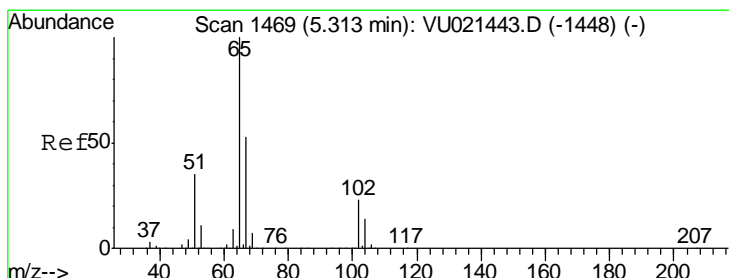
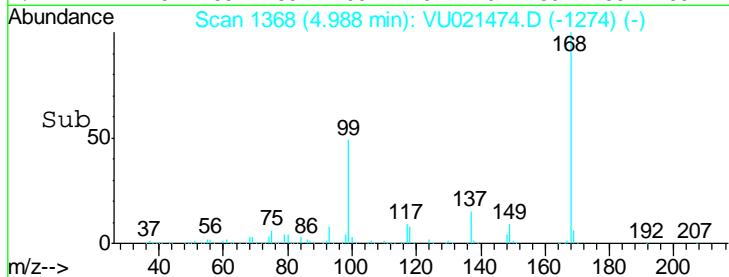
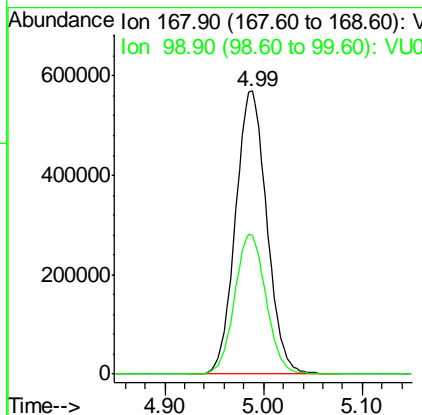
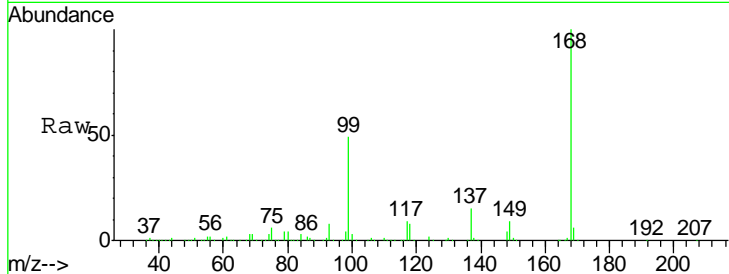




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU021474.D
 Acq: 04 Jan 2018 15:38

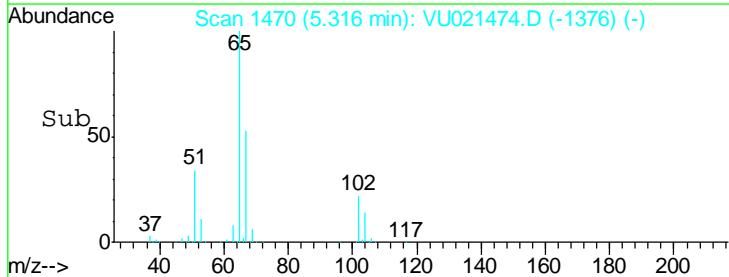
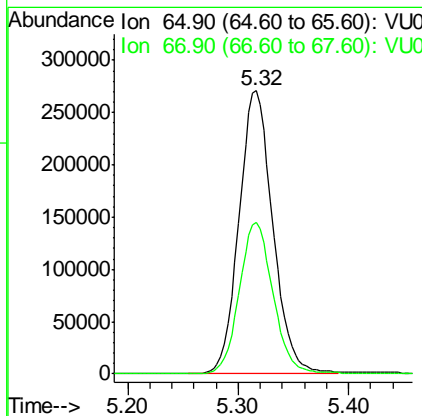
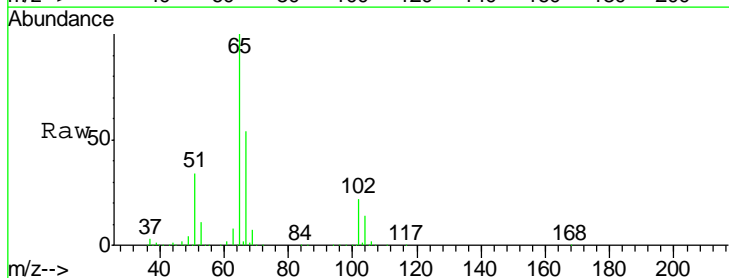
Instrument : MSVOA_U
 ClientSampled : 919-MW-11(15)

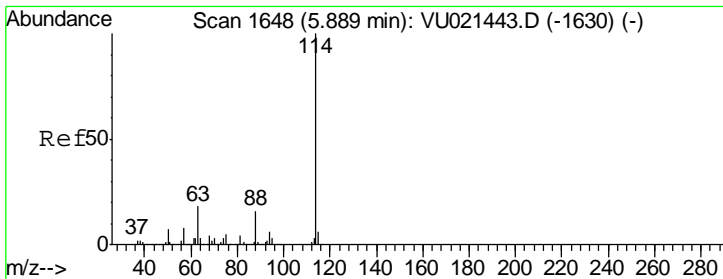
Tgt Ion: 168 Resp: 1254699
 Ion Ratio Lower Upper
 168 100
 99 49.0 39.4 59.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.79 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021474.D
 Acq: 04 Jan 2018 15:38

Tgt Ion: 65 Resp: 575855
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.6

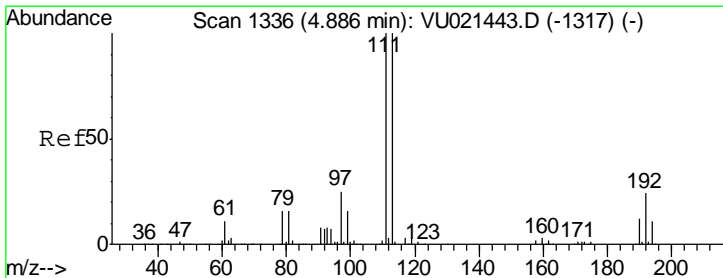
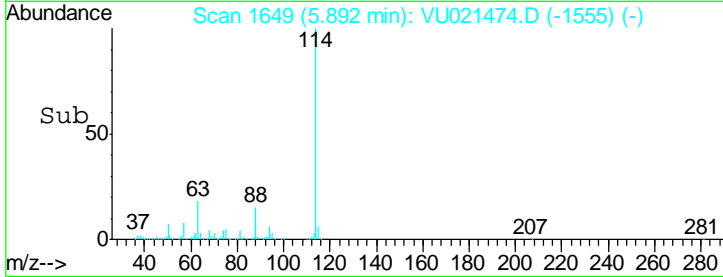
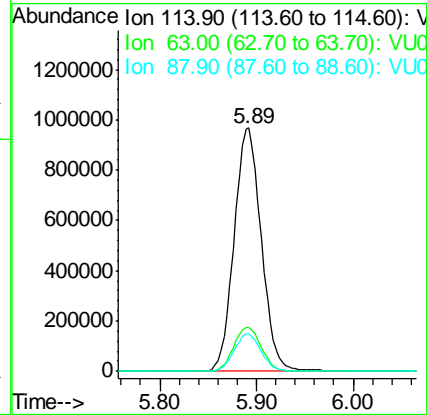
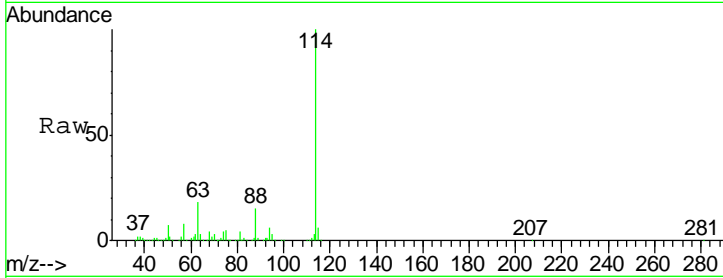




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU021474.D
 Acq: 04 Jan 2018 15:38

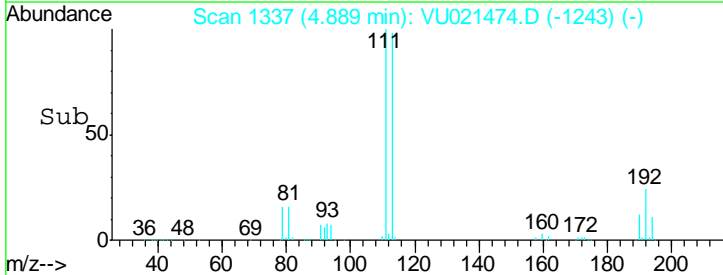
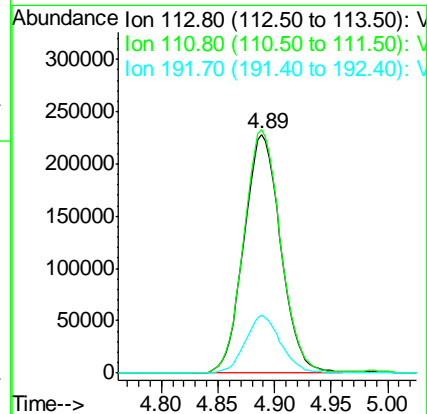
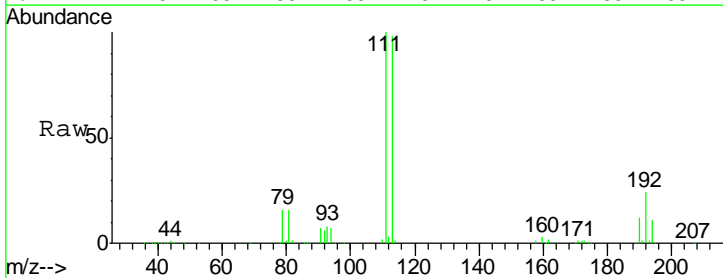
Instrument : MSVOA_U
 ClientSampled : 919-MW-11(15)

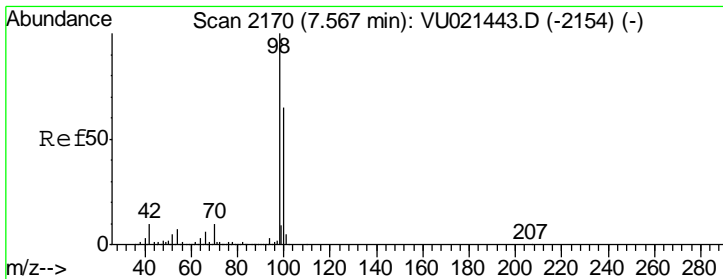
Tgt Ion	Resp	Lower	Upper
114	1891553		
63	18.0	0.0	36.6
88	15.4	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 49.52 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021474.D
 Acq: 04 Jan 2018 15:38

Tgt Ion	Resp	Lower	Upper
113	518580		
111	101.8	82.2	123.2
192	23.3	19.0	28.4

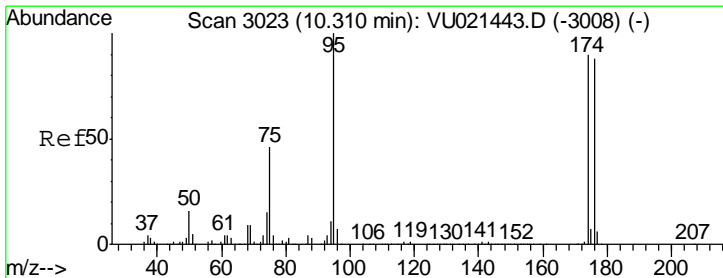
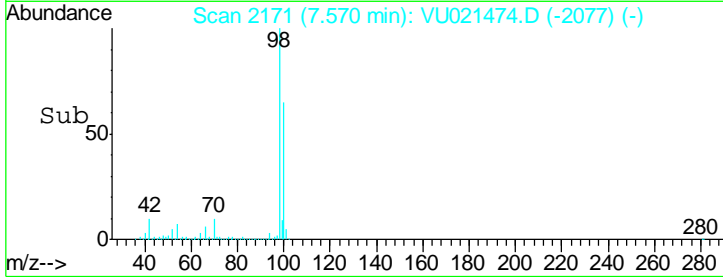
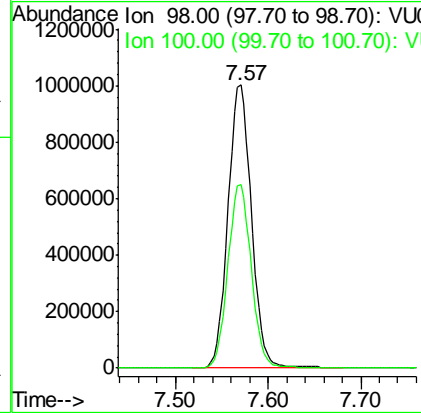
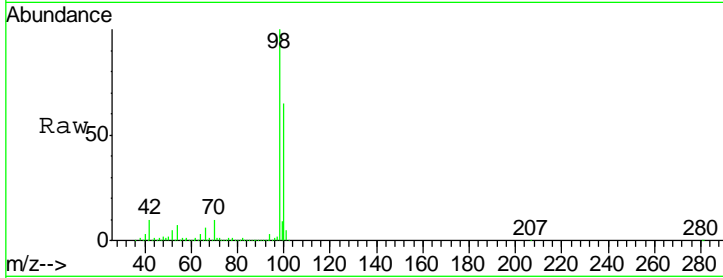




#50
 Toluene-d8
 Concen: 52.81 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021474.D
 Acq: 04 Jan 2018 15:38

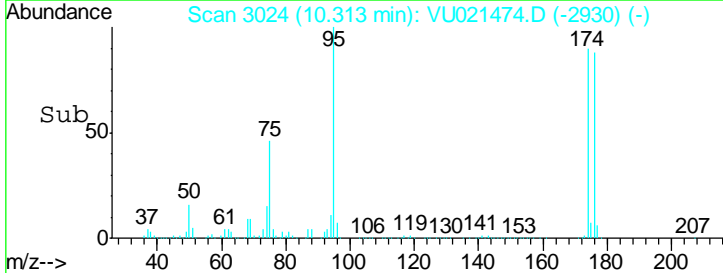
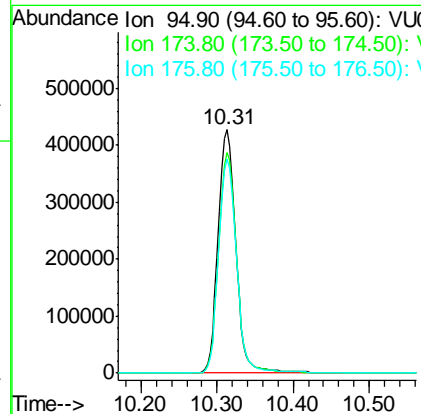
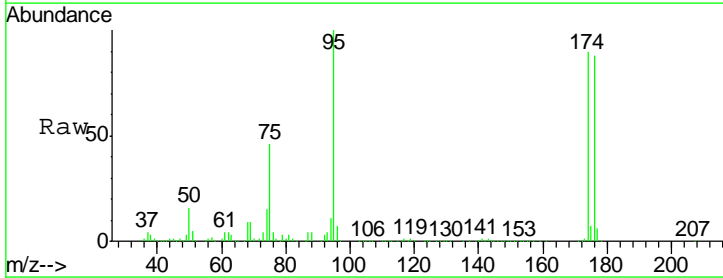
Instrument : MSVOA_U
 ClientSampleId : 919-MW-11(15)

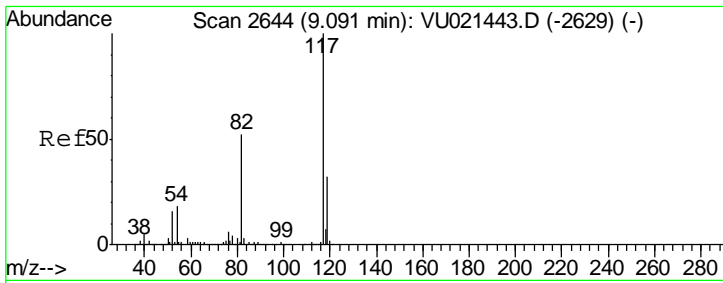
Tgt Ion	Resp	Lower	Upper
98	1762650		
98	100		
100	64.6	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 44.40 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021474.D
 Acq: 04 Jan 2018 15:38

Tgt Ion	Resp	Lower	Upper
95	690523		
95	100		
174	91.3	0.0	182.6
176	89.1	0.0	178.8



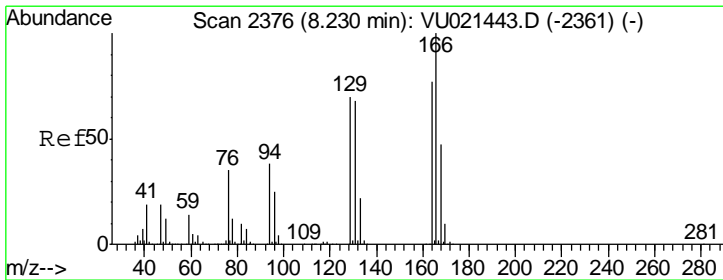
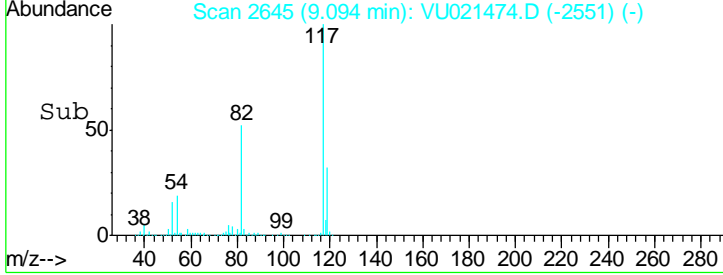
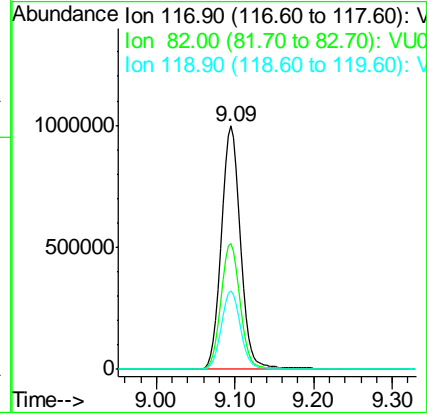
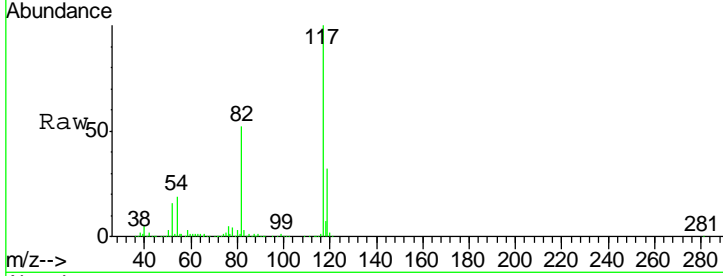


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021474.D
 Acq: 04 Jan 2018 15:38

Instrument : MSVOA_U
 ClientSampled : 919-MW-11(15)

Tgt Ion:117 Resp: 1678888

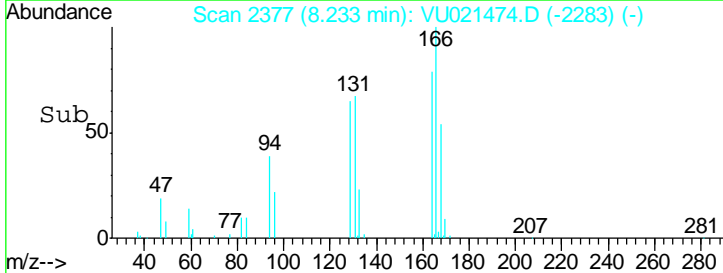
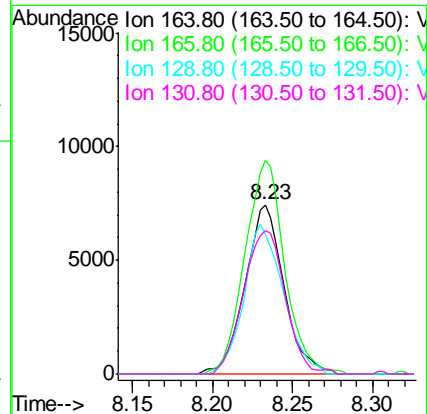
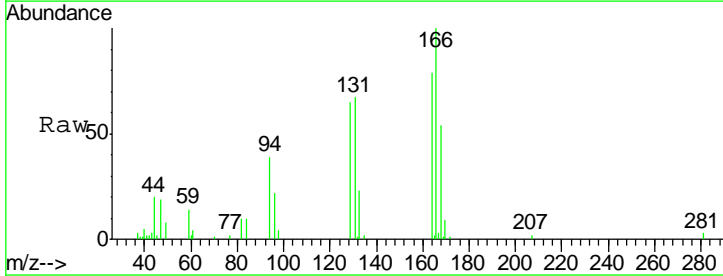
Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.4	62.0
119	32.4	25.7	38.5

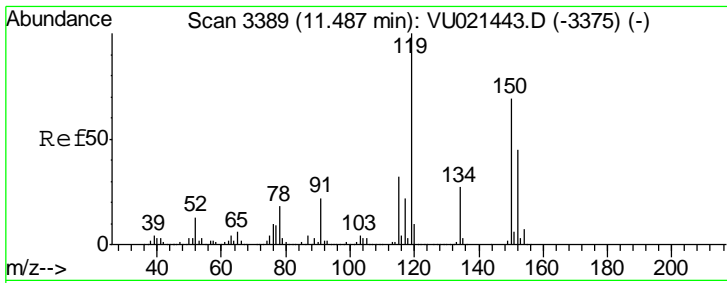


#64
 Tetrachloroethene
 Concen: 0.94 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU021474.D
 Acq: 04 Jan 2018 15:38

Tgt Ion:164 Resp: 12347

Ion	Ratio	Lower	Upper
164	100		
166	126.0	104.1	156.1
129	82.5	73.2	109.8
131	84.4	71.0	106.6

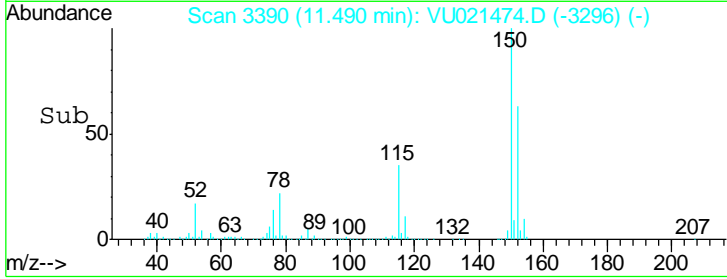
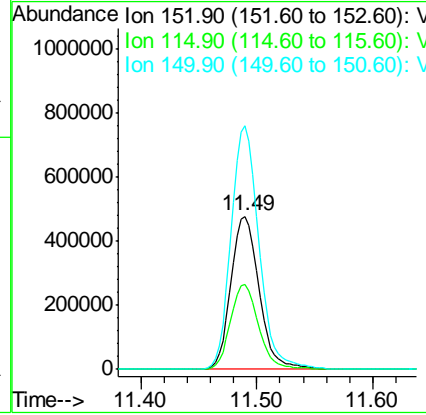
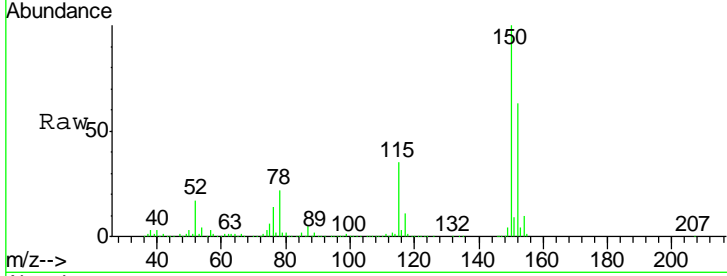




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021474.D
 Acq: 04 Jan 2018 15:38

Instrument : MSVOA_U
 ClientSampleId : 919-MW-11(15)

Tot Ion	Resp	Lower	Upper
152	100		
115	55.6	38.0	114.1
150	157.1	0.0	343.2



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021474.D
 Acq On : 04 Jan 2018 15:38
 Operator : MD/SY
 Sample : I7090-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 919-MW-11(15)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	138	154	179	rBV	1114244	1613284	34.15%	5.421%
2	2.445	567	577	594	rBV	92662	181879	3.85%	0.611%
3	4.889	1320	1337	1353	rBV	752324	1702016	36.03%	5.719%
4	4.985	1353	1367	1394	rVB	1517544	3348981	70.90%	11.253%
5	5.316	1449	1470	1498	rBV	731307	1570892	33.26%	5.278%
6	5.889	1629	1648	1671	rBV	2107090	4173929	88.36%	14.025%
7	7.570	2154	2171	2204	rBV	2510145	4450190	94.21%	14.953%
8	8.233	2368	2377	2390	rVB3	50674	87154	1.85%	0.293%
9	9.094	2631	2645	2689	rBV	2793948	4723569	100.00%	15.872%
10	10.313	3011	3024	3062	rBV	2051043	3336025	70.63%	11.209%
11	11.490	3376	3390	3417	rBV	2714234	4573147	96.82%	15.366%

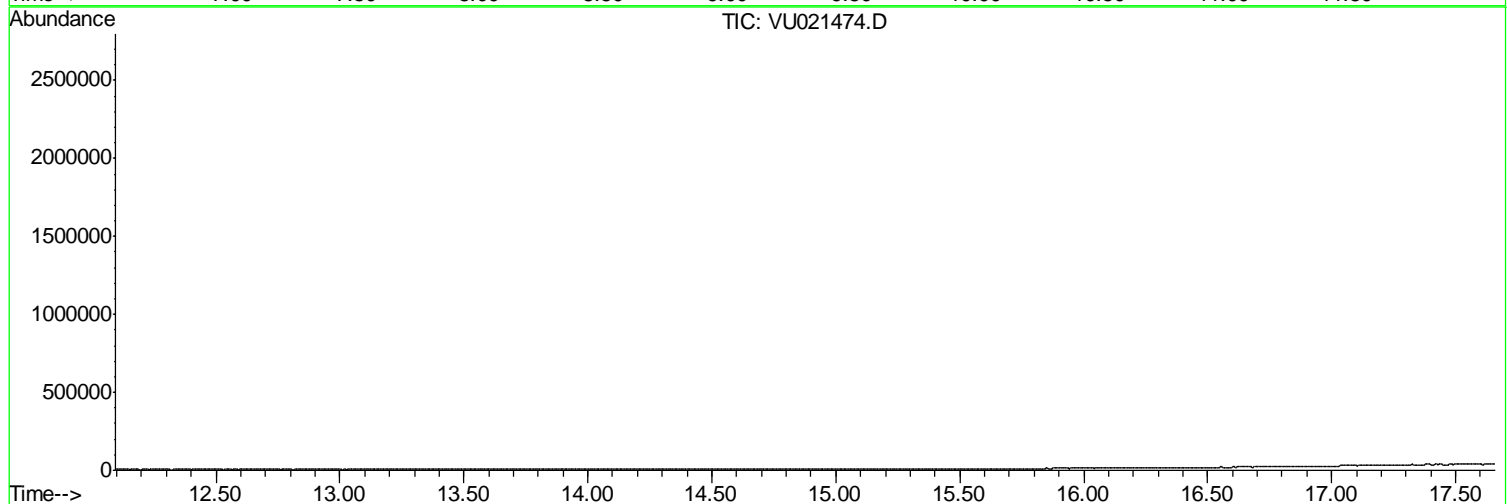
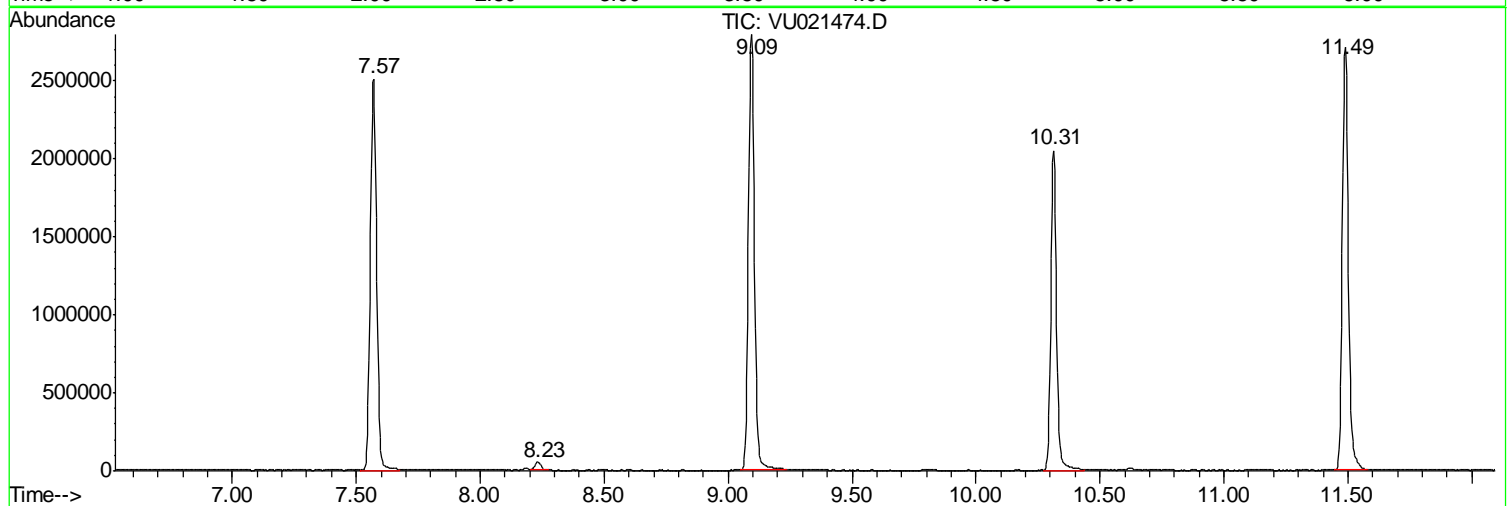
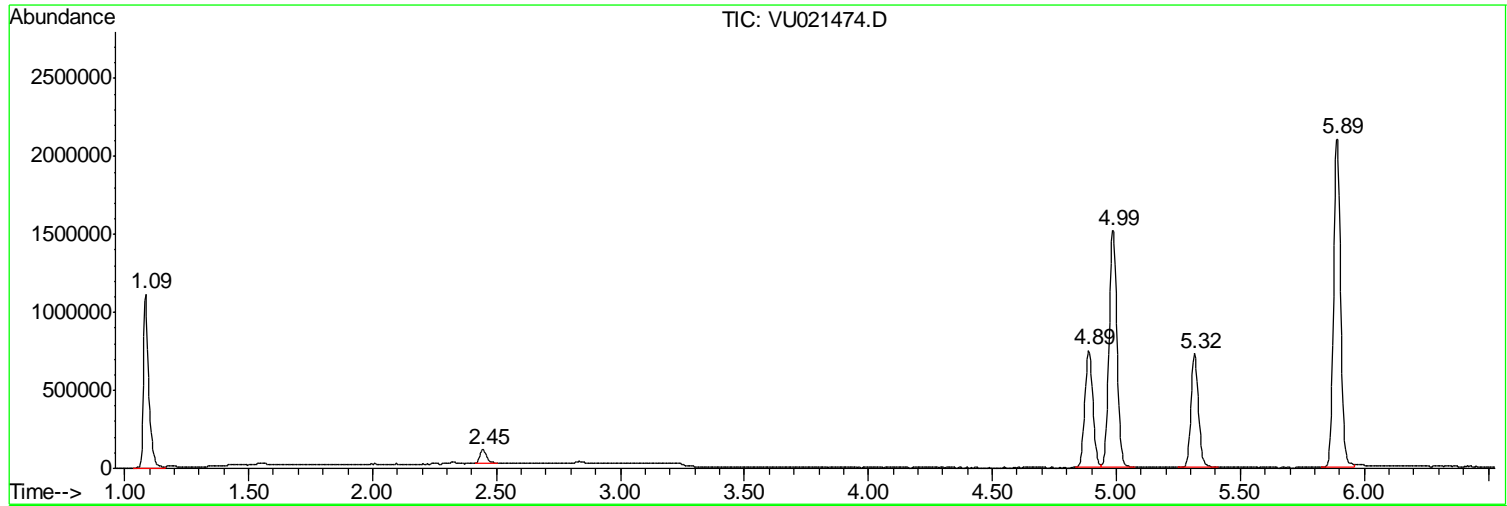
Sum of corrected areas: 29761066

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021474.D
Acq On : 04 Jan 2018 15:38
Operator : MD/SY
Sample : I7090-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
919-MW-11(15)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021474.D
Acq On : 04 Jan 2018 15:38
Operator : MD/SY
Sample : I7090-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
919-MW-11(15)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021474.D
 Acq On : 04 Jan 2018 15:38
 Operator : MD/SY
 Sample : I7090-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 919-MW-11(15)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	920-MW-15(17)	SDG No.:	17090
Lab Sample ID:	I7090-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021475.D	1		01/04/18 16:05	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5.3		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	920-MW-15(17)	SDG No.:	17090
Lab Sample ID:	17090-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021475.D	1		01/04/18 16:05	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.3		61 - 141		109%	SPK: 50
1868-53-7	Dibromofluoromethane	51		69 - 133		102%	SPK: 50
2037-26-5	Toluene-d8	53.8		65 - 126		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		58 - 135		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1239300	4.99				
540-36-3	1,4-Difluorobenzene	1847920	5.89				
3114-55-4	Chlorobenzene-d5	1644960	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	780749	11.49				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	920-MW-15(17)	SDG No.:	17090
Lab Sample ID:	I7090-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021475.D	1		01/04/18 16:05	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021475.D
 Acq On : 04 Jan 2018 16:05
 Operator : MD/SY
 Sample : I7090-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 920-MW-15(17)

Quant Time: Jan 04 16:52:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1239298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1847923	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1644956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	780749	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	573749	54.26	ug/l	0.00
Spiked Amount						
						Recovery = 108.52%
35) Dibromofluoromethane	4.89	113	521796	51.00	ug/l	0.00
Spiked Amount						
						Recovery = 102.00%
50) Toluene-d8	7.57	98	1753575	53.78	ug/l	0.00
Spiked Amount						
						Recovery = 107.56%
62) 4-Bromofluorobenzene	10.31	95	677258	44.57	ug/l	0.00
Spiked Amount						
						Recovery = 89.14%

Target Compounds

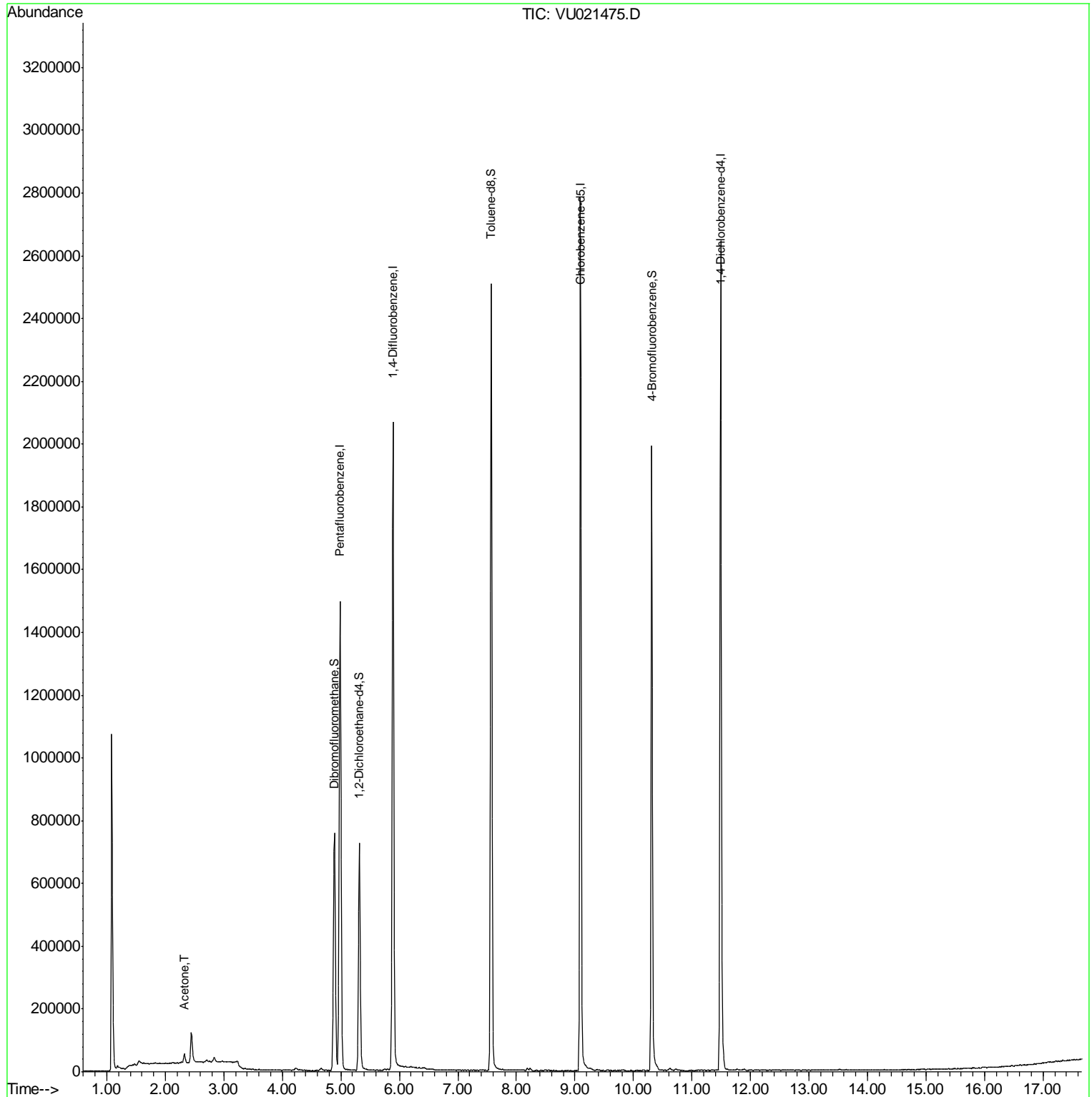
	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.33	43	33081	5.27	ug/l	95

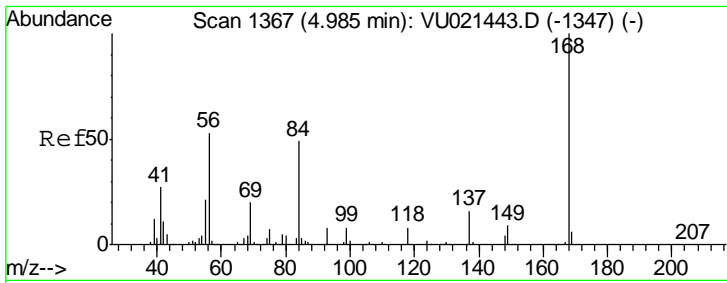
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021475.D
Acq On : 04 Jan 2018 16:05
Operator : MD/SY
Sample : I7090-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
920-MW-15(17)

Quant Time: Jan 04 16:52:14 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

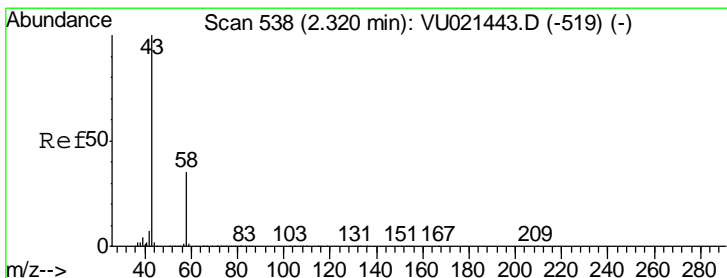
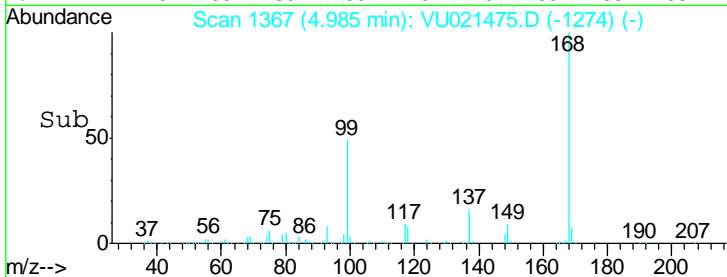
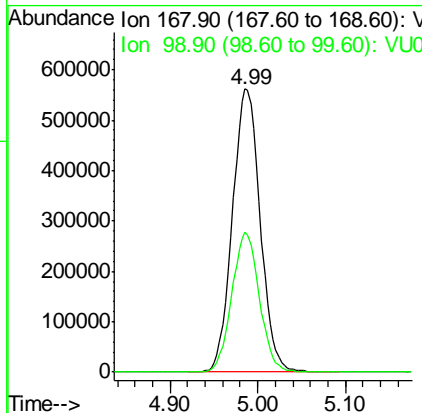
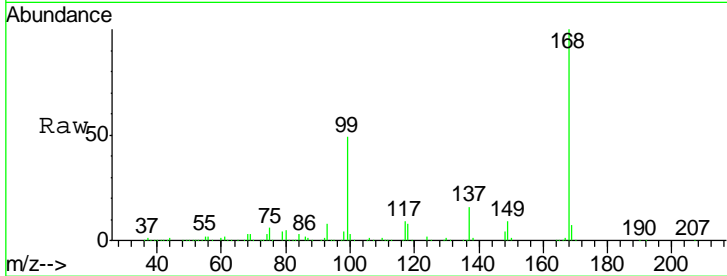




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VU021475.D
 Acq: 04 Jan 2018 16:05

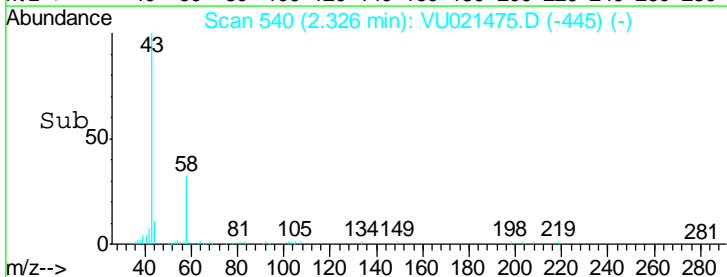
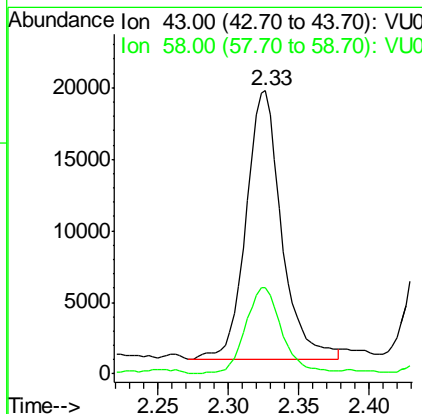
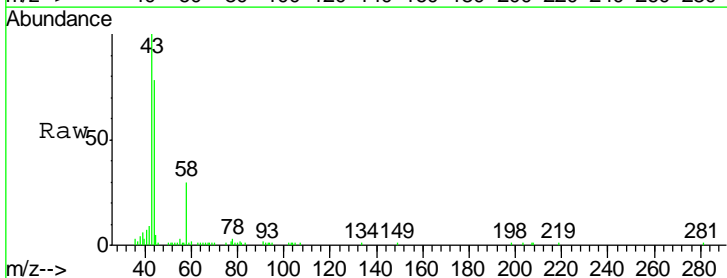
Instrument : MSVOA_U
 ClientSampled : 920-MW-15(17)

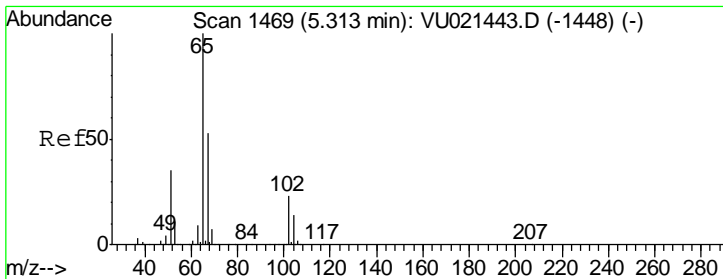
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.3	39.4	59.2



#16
 Acetone
 Concen: 5.27 ug/l
 RT: 2.33 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VU021475.D
 Acq: 04 Jan 2018 16:05

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.0	27.8	41.8

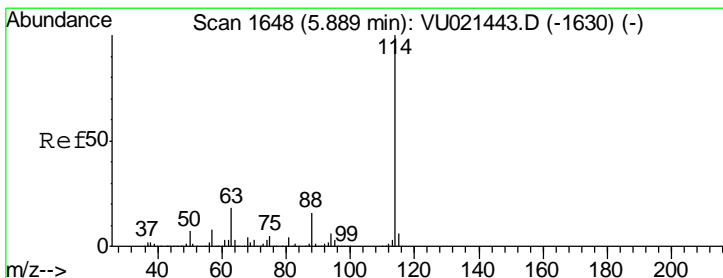
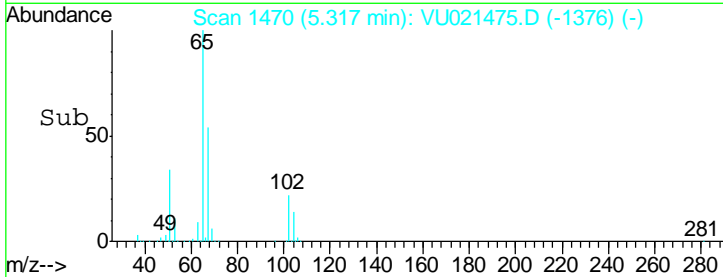
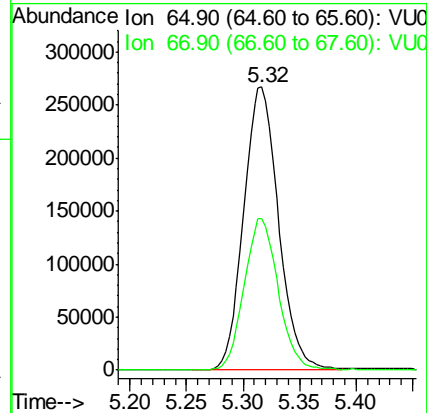
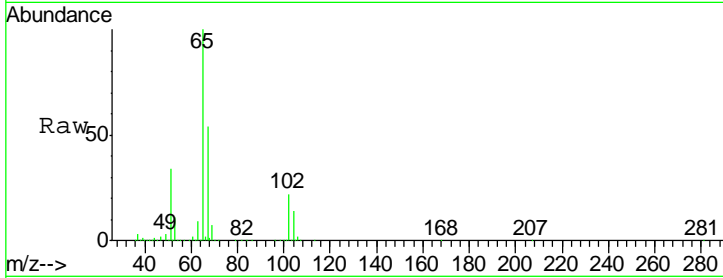




#33
 1,2-Dichloroethane-d4
 Concen: 54.26 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021475.D
 Acq: 04 Jan 2018 16:05

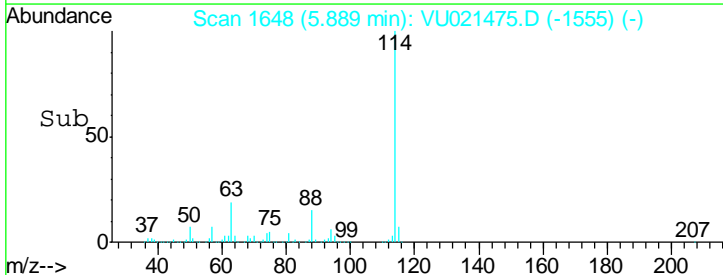
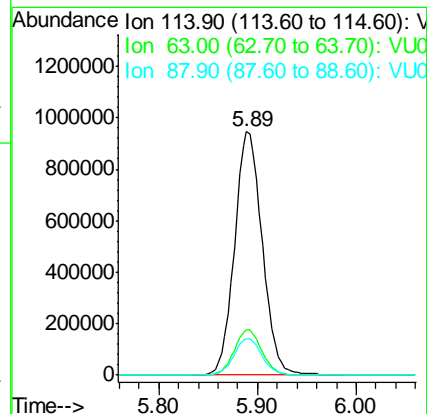
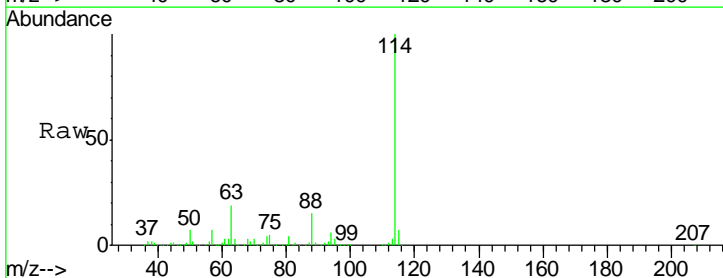
Instrument : MSVOA_U
 ClientSampleId : 920-MW-15(17)

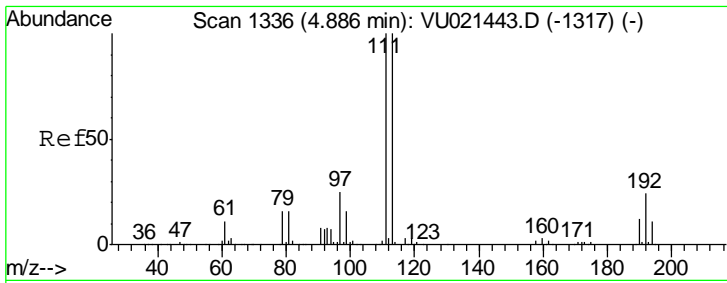
Tgt Ion	Resp	Lower	Upper
65	100		
67	52.4	0.0	106.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU021475.D
 Acq: 04 Jan 2018 16:05

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.7	0.0	36.6
88	15.1	0.0	31.2

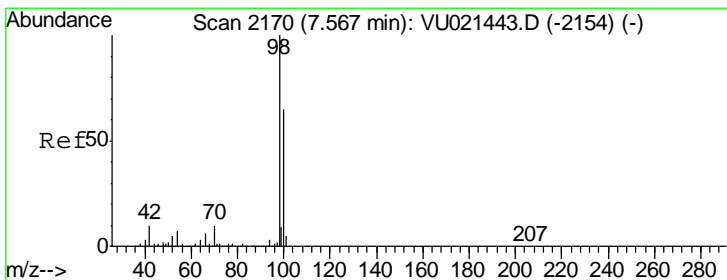
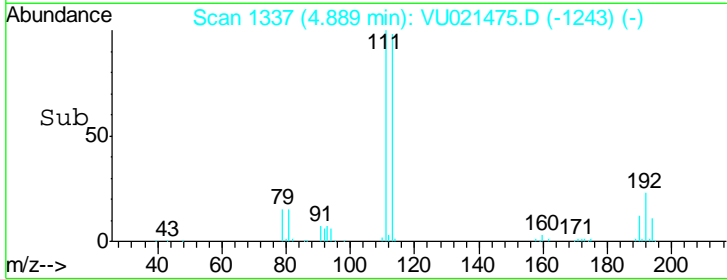
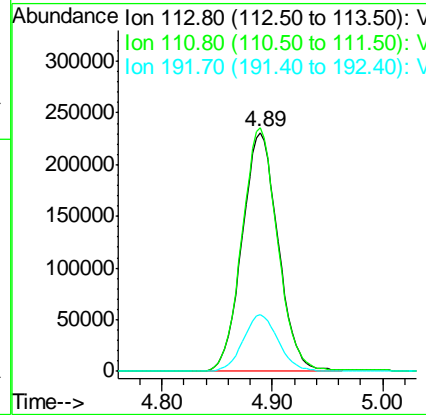
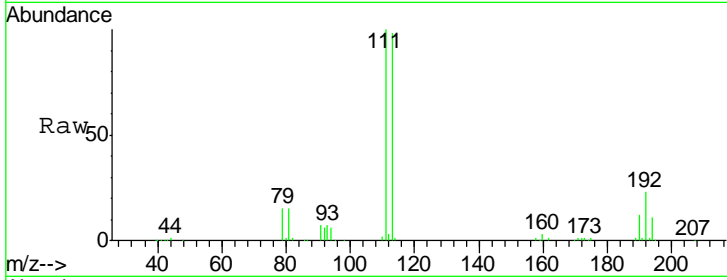




#35
 Dibromofluoromethane
 Concen: 51.00 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021475.D
 Acq: 04 Jan 2018 16:05

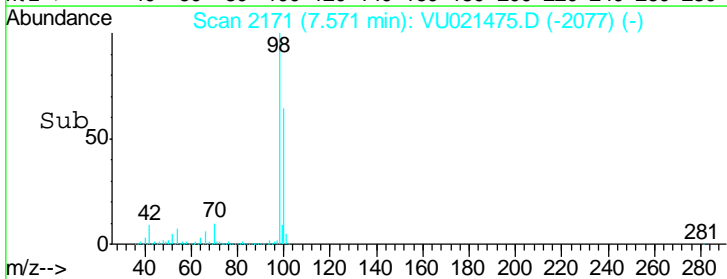
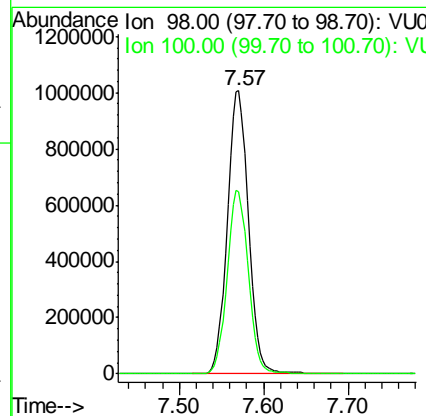
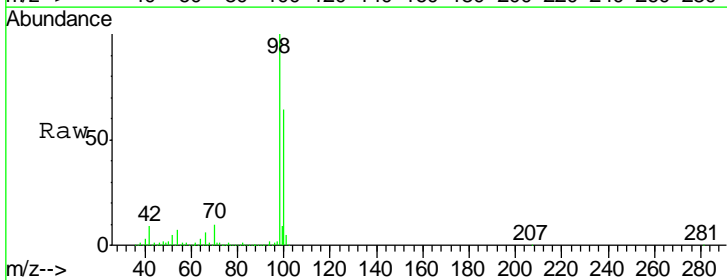
Instrument : MSVOA_U
 ClientSampled : 920-MW-15(17)

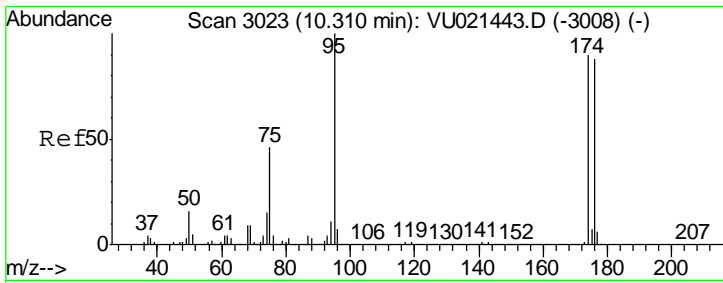
Tgt Ion	Resp	Lower	Upper
113	100		
111	100.7	82.2	123.2
192	23.3	19.0	28.4



#50
 Toluene-d8
 Concen: 53.78 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021475.D
 Acq: 04 Jan 2018 16:05

Tgt Ion	Resp	Lower	Upper
98	100		
100	64.6	51.8	77.8

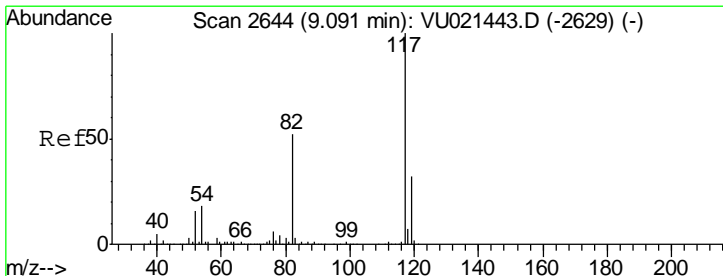
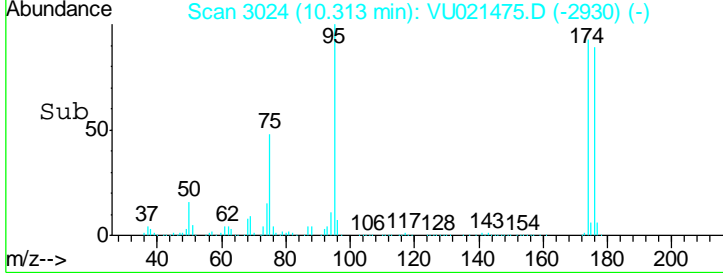
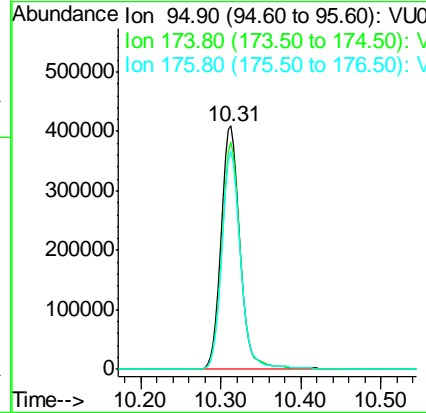
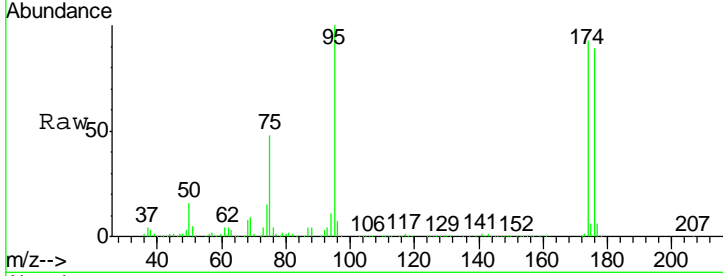




#62
 4-Bromofluorobenzene
 Concen: 44.57 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021475.D
 Acq: 04 Jan 2018 16:05

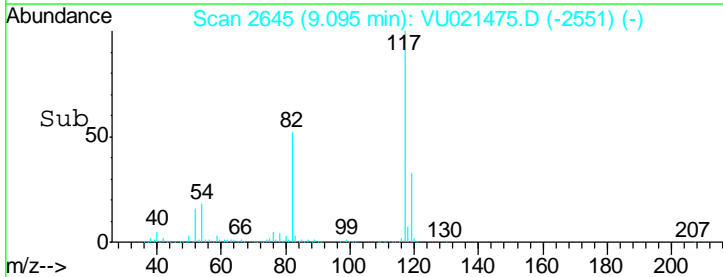
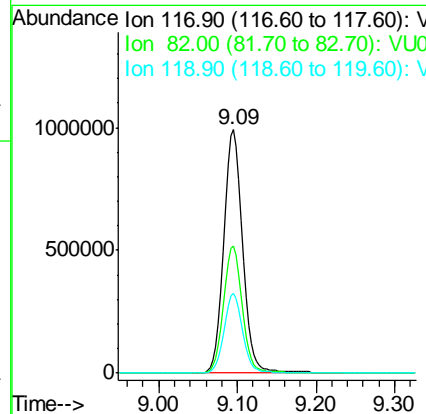
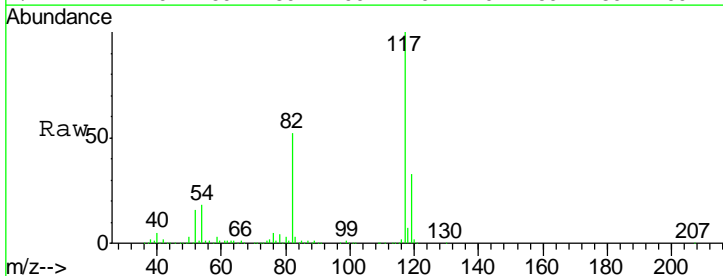
Instrument : MSVOA_U
 ClientSampled : 920-MW-15(17)

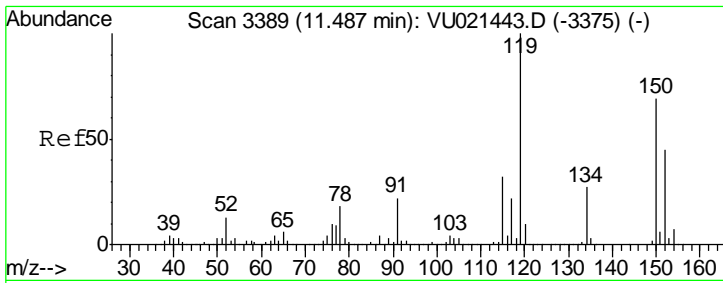
Tgt Ion	Resp	Lower	Upper
95	677258		
174	92.0	0.0	182.6
176	88.3	0.0	178.8



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021475.D
 Acq: 04 Jan 2018 16:05

Tgt Ion	Resp	Lower	Upper
117	1644956		
82	52.1	41.4	62.0
119	32.7	25.7	38.5

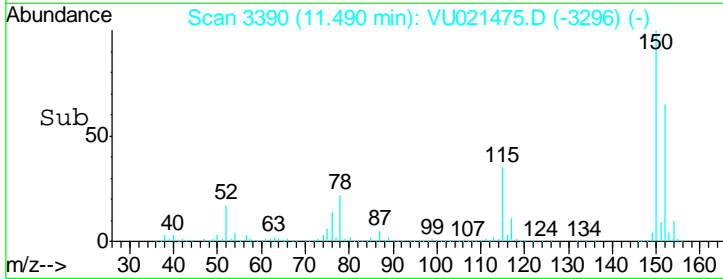
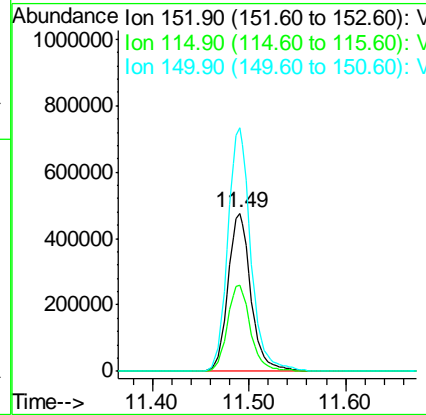
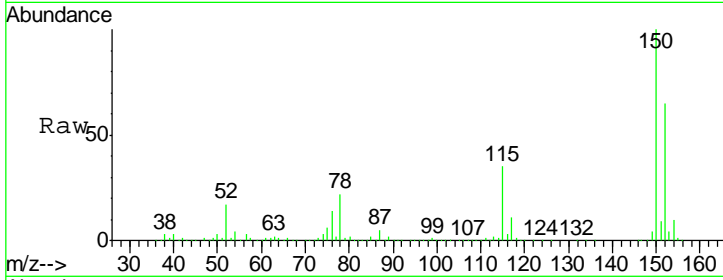




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021475.D
 Acq: 04 Jan 2018 16:05

Instrument : MSVOA_U
 ClientSampleId : 920-MW-15(17)

Tot Ion	Resp	Lower	Upper
152	100		
115	55.3	38.0	114.1
150	154.5	0.0	343.2



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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021475.D
 Acq On : 04 Jan 2018 16:05
 Operator : MD/SY
 Sample : I7090-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 920-MW-15(17)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	135	154	175	rBV	1075273	1572144	34.03%	5.391%
2	2.326	534	540	555	rVB	29407	47762	1.03%	0.164%
3	2.445	567	577	596	rBV	93787	190414	4.12%	0.653%
4	4.889	1319	1337	1352	rBV	756552	1702363	36.85%	5.837%
5	4.985	1352	1367	1399	rVB	1494114	3299705	71.42%	11.314%
6	5.317	1454	1470	1494	rBV	723513	1554501	33.65%	5.330%
7	5.889	1628	1648	1674	rBV	2064353	4077869	88.26%	13.982%
8	7.567	2156	2170	2205	rBV	2507495	4422502	95.72%	15.164%
9	9.095	2631	2645	2683	rBV	2781032	4620046	100.00%	15.841%
10	10.313	3010	3024	3065	rBV	1991864	3279372	70.98%	11.244%
11	11.490	3376	3390	3423	rBV	2642570	4398226	95.20%	15.081%

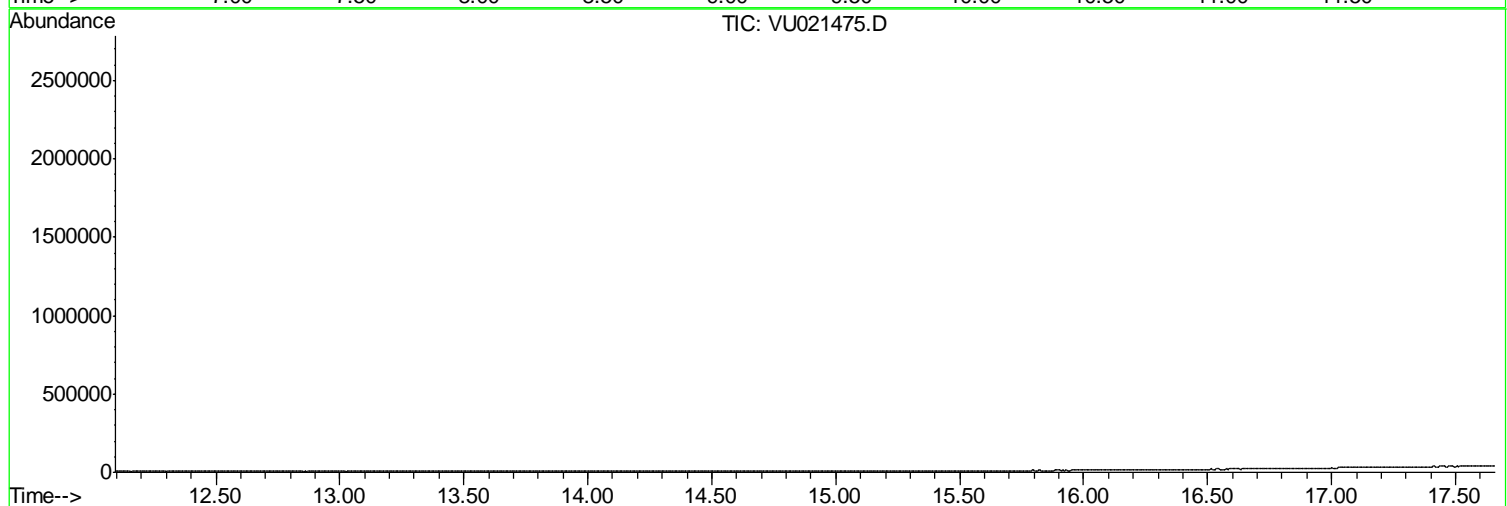
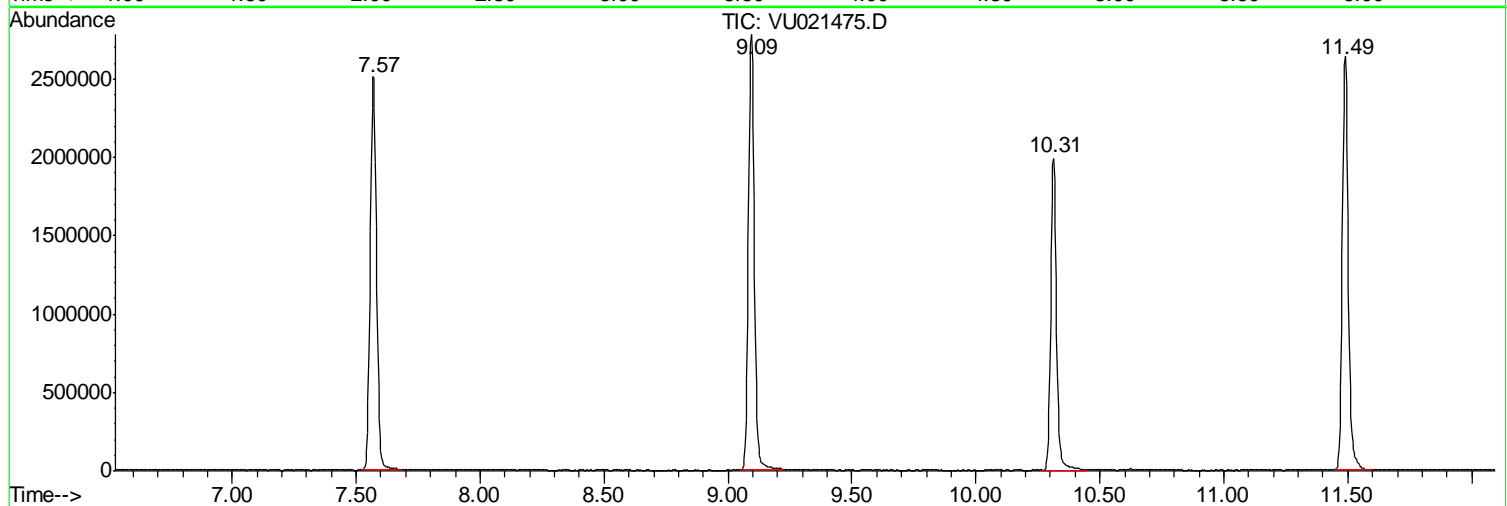
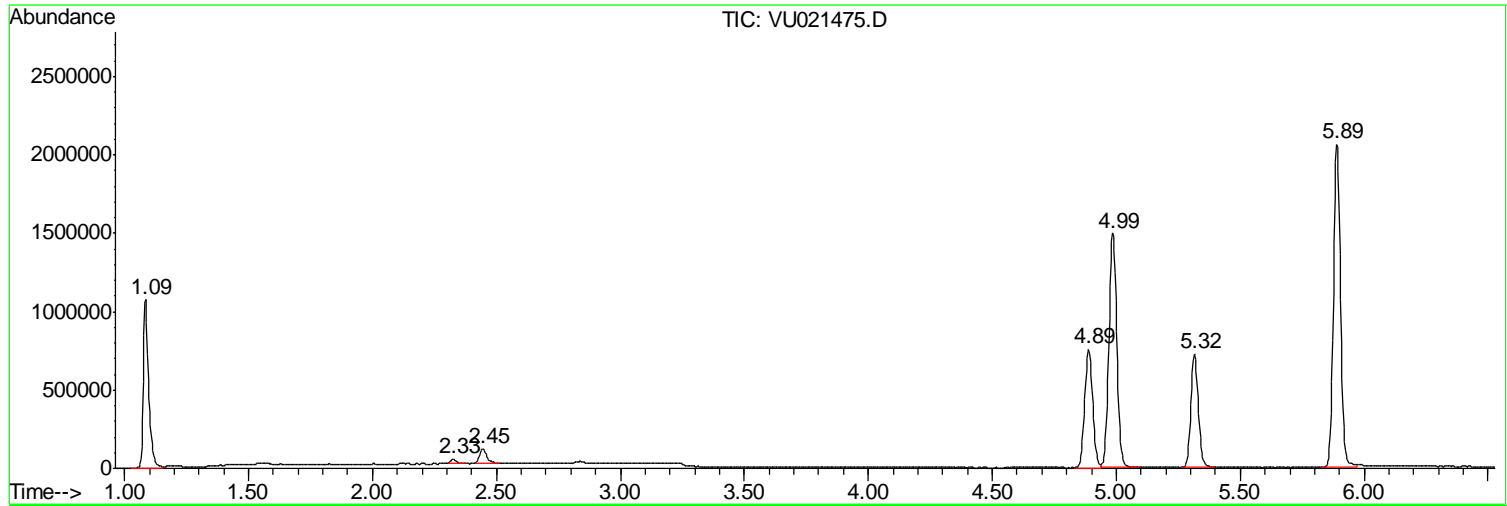
Sum of corrected areas: 29164904

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021475.D
Acq On : 04 Jan 2018 16:05
Operator : MD/SY
Sample : I7090-11
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
920-MW-15(17)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021475.D
Acq On : 04 Jan 2018 16:05
Operator : MD/SY
Sample : I7090-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
920-MW-15(17)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
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Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021475.D
 Acq On : 04 Jan 2018 16:05
 Operator : MD/SY
 Sample : I7090-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 920-MW-15(17)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	921-MW-16(22.5)	SDG No.:	17090
Lab Sample ID:	I7090-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021476.D	1		01/04/18 16:32	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	6.5		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	8.3		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.91	J	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	921-MW-16(22.5)	SDG No.:	17090
Lab Sample ID:	17090-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021476.D	1		01/04/18 16:32	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	3		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		61 - 141		103%	SPK: 50
1868-53-7	Dibromofluoromethane	47.7		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	50.7		65 - 126		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.3		58 - 135		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1282670	4.99				
540-36-3	1,4-Difluorobenzene	1917670	5.89				
3114-55-4	Chlorobenzene-d5	1695250	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	802878	11.49				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	921-MW-16(22.5)	SDG No.:	17090
Lab Sample ID:	I7090-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021476.D	1		01/04/18 16:32	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021476.D
 Acq On : 04 Jan 2018 16:32
 Operator : MD/SY
 Sample : I7090-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 921-MW-16(22.5)

Quant Time: Jan 05 00:34:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

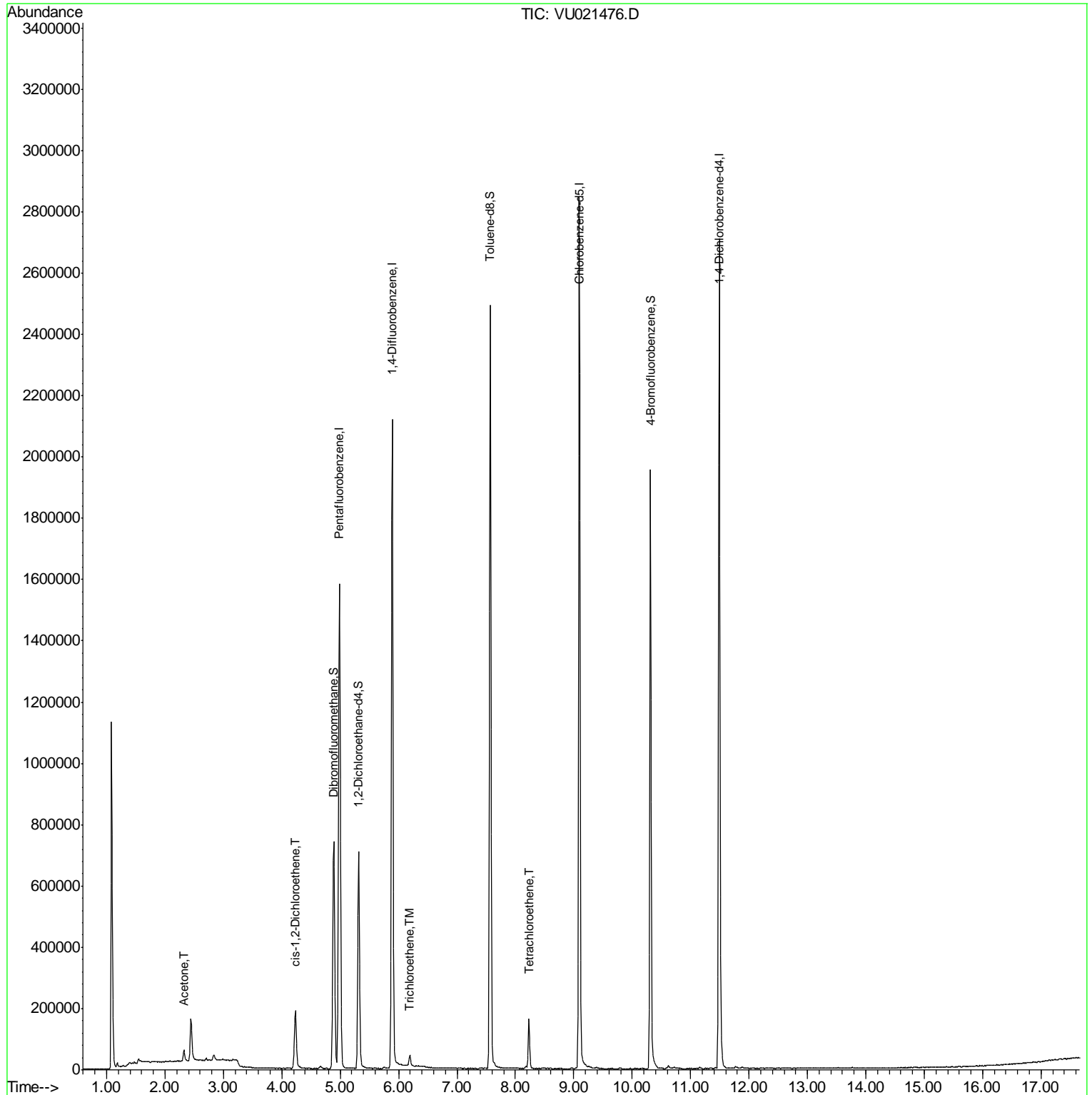
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1282674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1917668	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1695245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	802878	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	562587	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	4.89	113	506147	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	7.57	98	1714300	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	10.31	95	666347	42.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.52%	
Target Compounds						
16) Acetone	2.32	43	41998	6.46	ug/l	94
27) cis-1,2-Dichloroethene	4.23	96	110590	8.25	ug/l	90
44) Trichloroethene	6.19	130	13202	0.91	ug/l	85
64) Tetrachloroethene	8.23	164	39350	2.95	ug/l	98

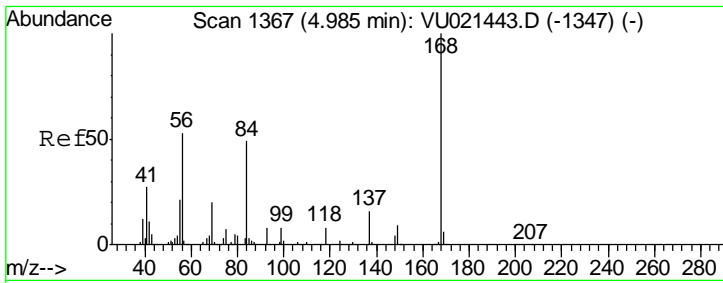
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021476.D
Acq On : 04 Jan 2018 16:32
Operator : MD/SY
Sample : I7090-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
Client Sampled :
921-MW-16(22.5)

Quant Time: Jan 05 00:34:44 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

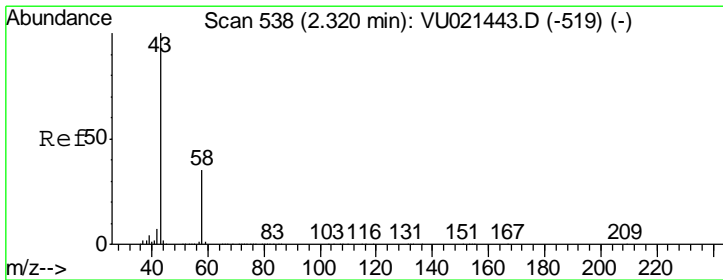
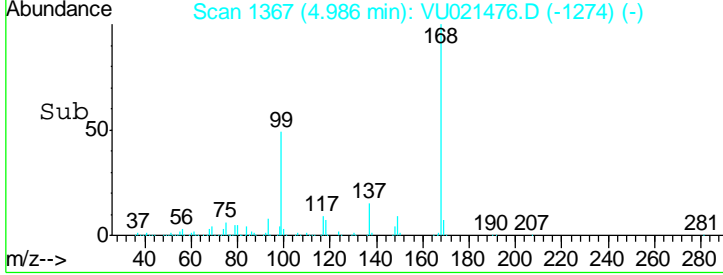
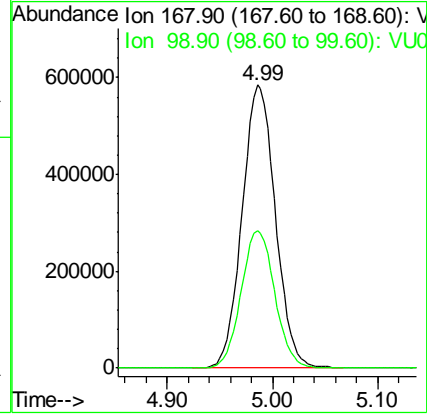
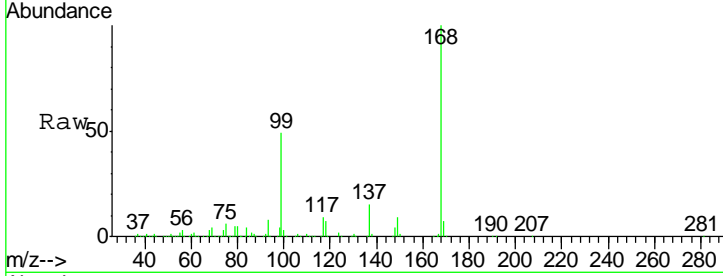




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VU021476.D
 Acq: 04 Jan 2018 16:32

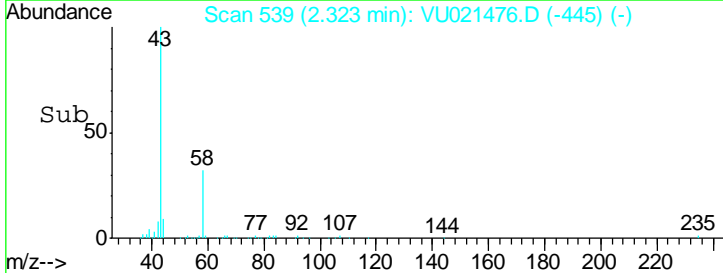
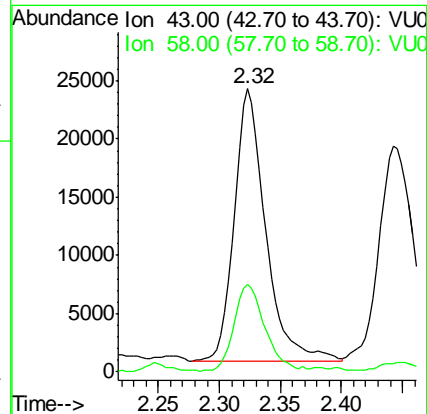
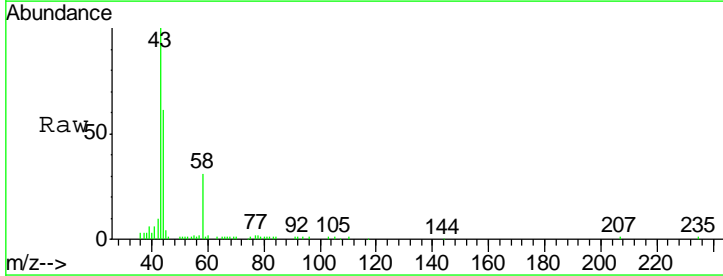
Instrument : MSVOA_U
 ClientSampleId : 921-MW-16(22.5)

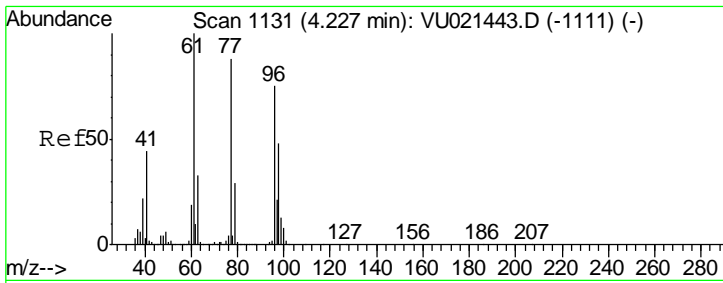
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.8	39.4	59.2



#16
 Acetone
 Concen: 6.46 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU021476.D
 Acq: 04 Jan 2018 16:32

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.5	27.8	41.8

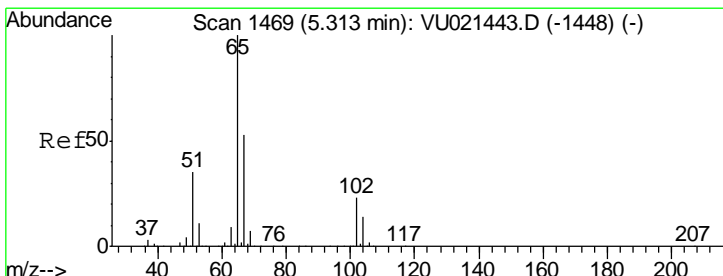
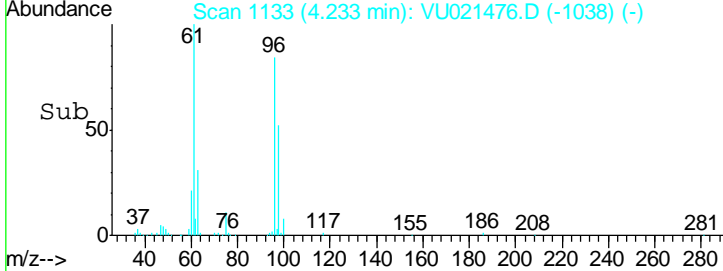
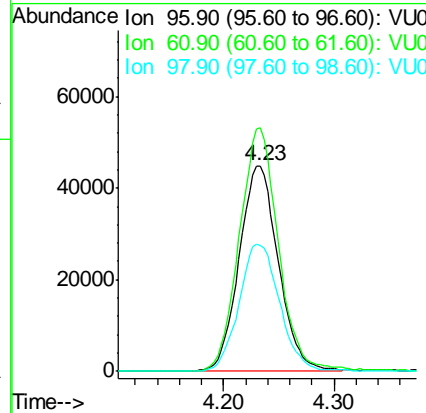
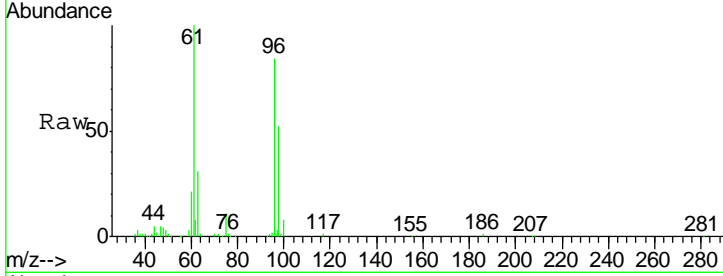




#27
 cis-1,2-Dichloroethene
 Concen: 8.25 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VU021476.D
 Acq: 04 Jan 2018 16:32

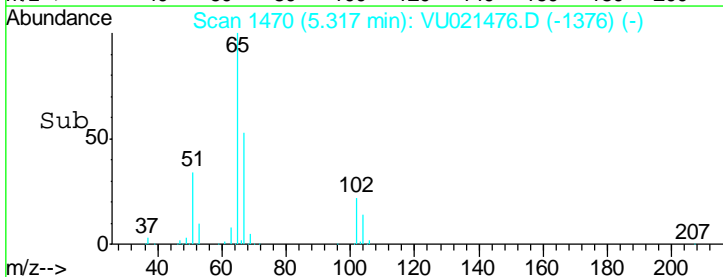
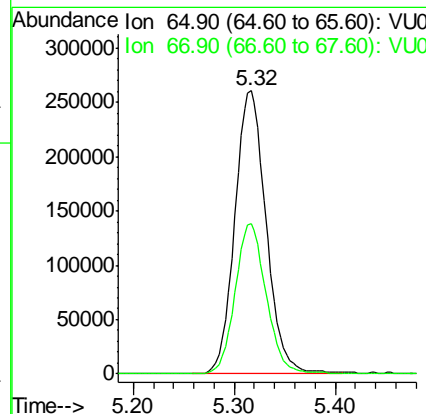
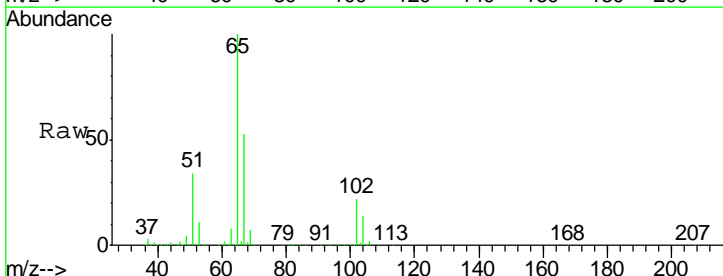
Instrument : MSVOA_U
 ClientSampled : 921-MW-16(22.5)

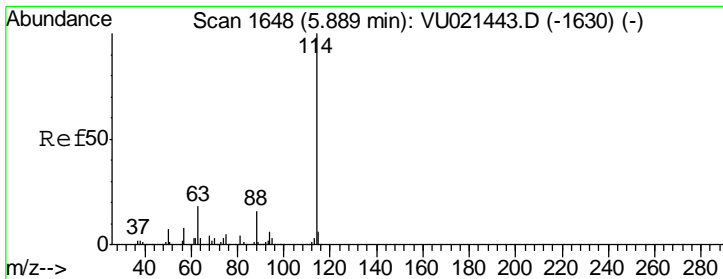
Tgt Ion	Resp	Lower	Upper
96	110590		
61	118.4	0.0	270.2
98	63.4	0.0	128.2



#33
 1,2-Dichloroethane-d4
 Concen: 51.41 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021476.D
 Acq: 04 Jan 2018 16:32

Tgt Ion	Resp	Lower	Upper
65	562587		
67	52.7	0.0	106.6

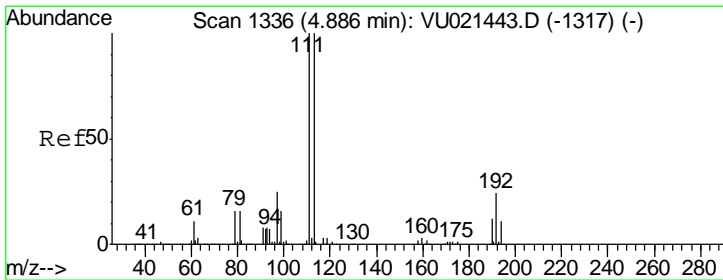
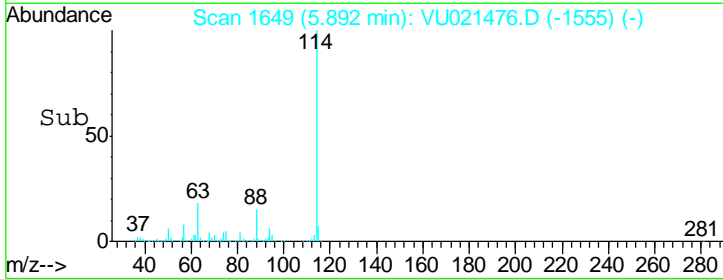
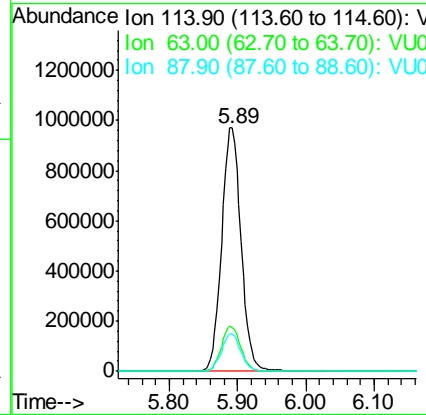
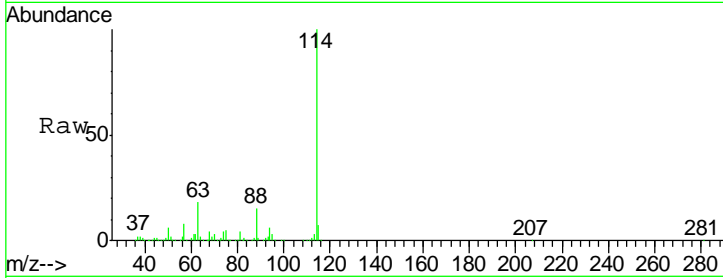




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU021476.D
 Acq: 04 Jan 2018 16:32

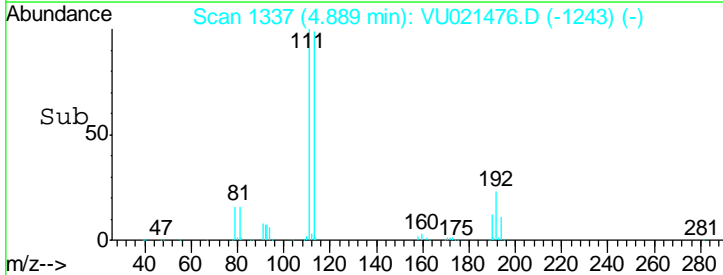
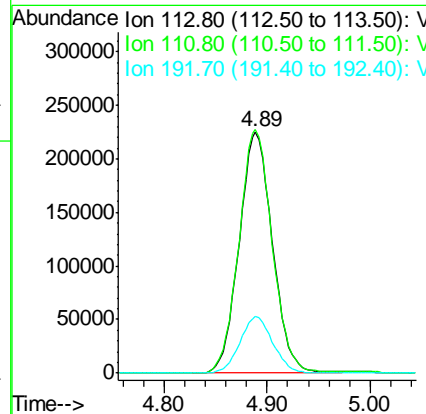
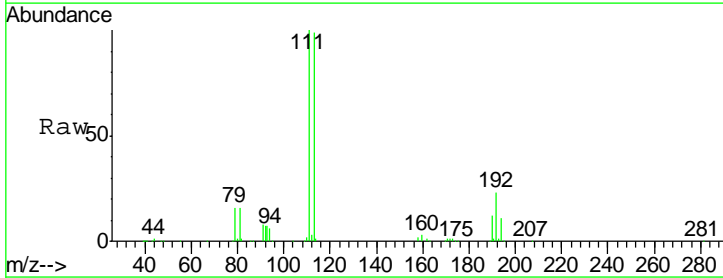
Instrument : MSVOA_U
 ClientSampleId : 921-MW-16(22.5)

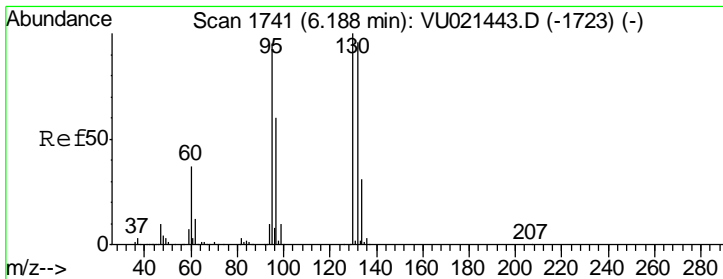
Tgt Ion	Resp	Lower	Upper
114	1917668		
63	18.3	0.0	36.6
88	15.2	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 47.68 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021476.D
 Acq: 04 Jan 2018 16:32

Tgt Ion	Resp	Lower	Upper
113	506147		
111	100.8	82.2	123.2
192	23.3	19.0	28.4

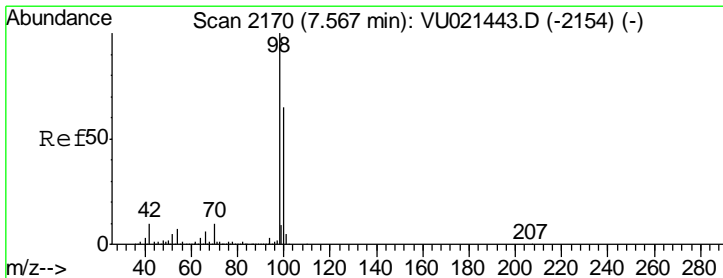
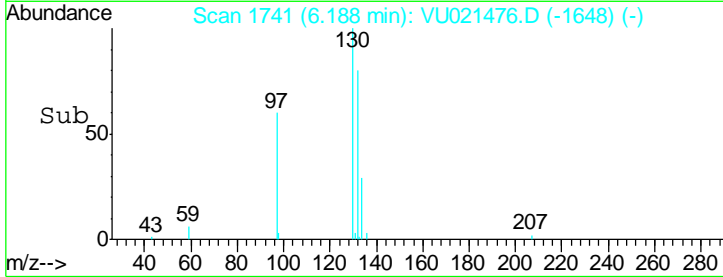
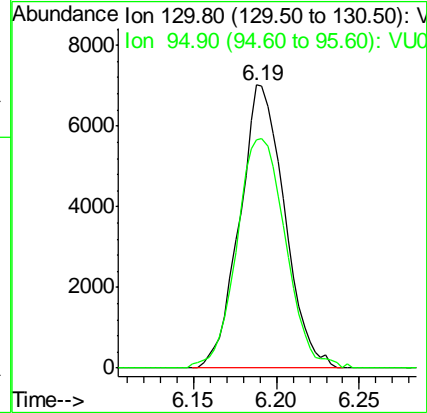
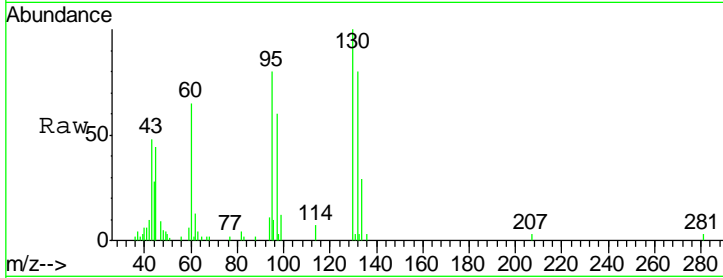




#44
 Trichloroethene
 Concen: 0.91 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU021476.D
 Acq: 04 Jan 2018 16:32

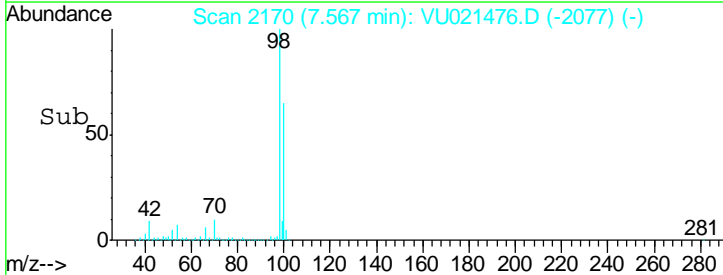
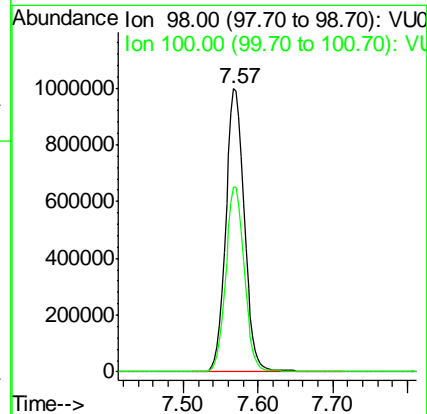
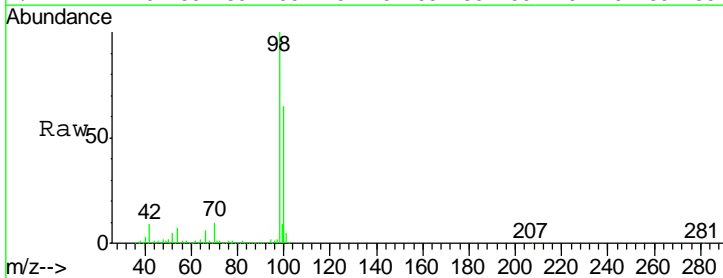
Instrument : MSVOA_U
 ClientSampled : 921-MW-16(22.5)

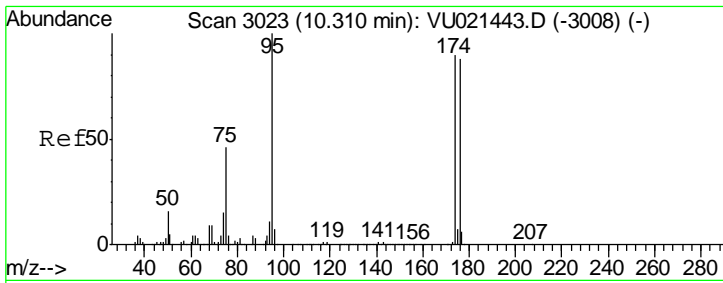
Tgt Ion	Resp	Lower	Upper
130	100		
95	80.5	0.0	189.6



#50
 Toluene-d8
 Concen: 50.66 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU021476.D
 Acq: 04 Jan 2018 16:32

Tgt Ion	Resp	Lower	Upper
98	100		
100	65.1	51.8	77.8

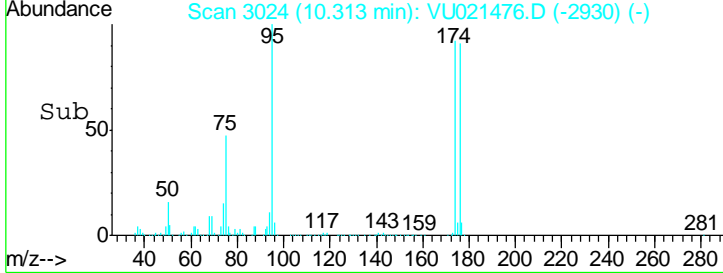
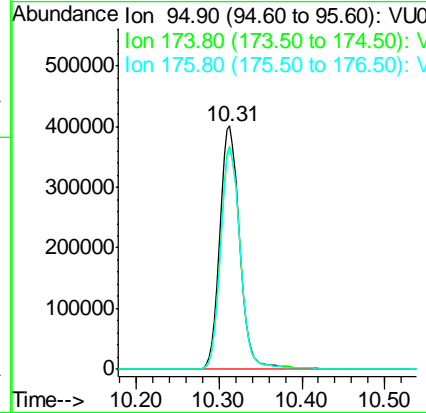
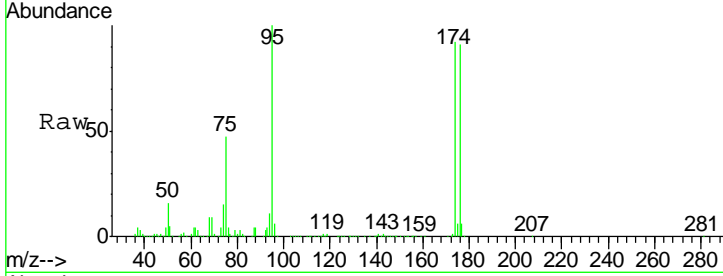




#62
 4-Bromofluorobenzene
 Concen: 42.26 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021476.D
 Acq: 04 Jan 2018 16:32

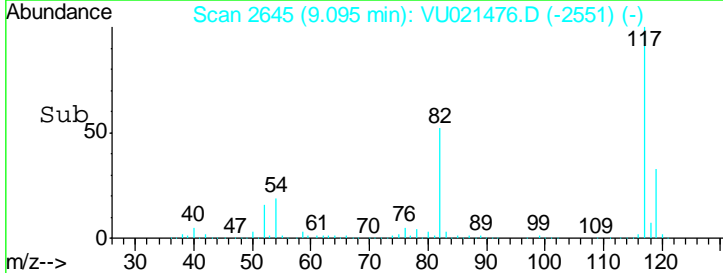
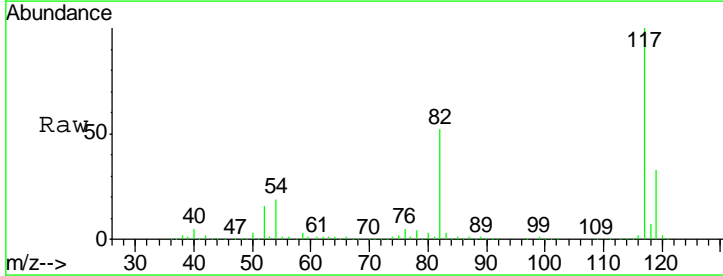
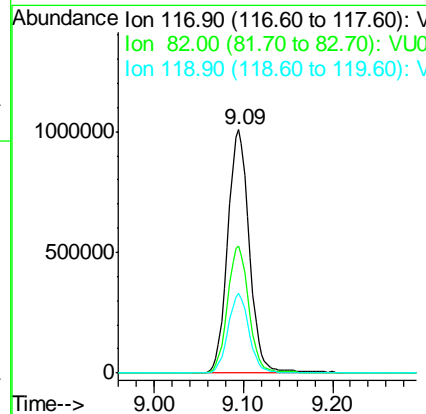
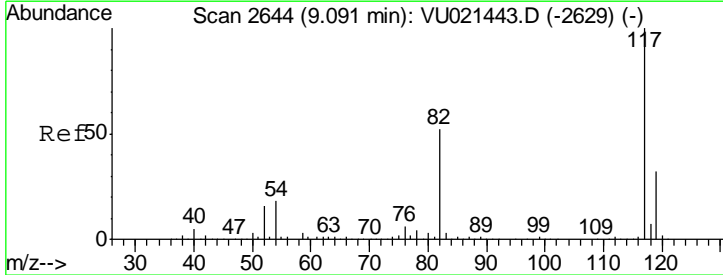
Instrument : MSVOA_U
 ClientSampled : 921-MW-16(22.5)

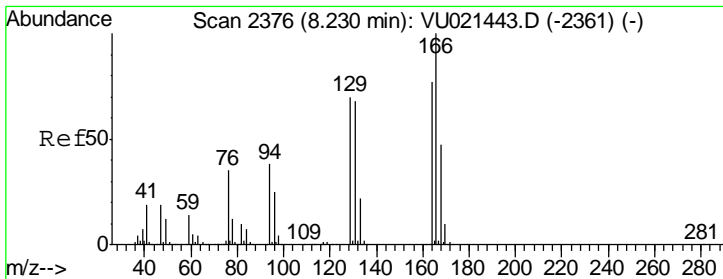
Tgt Ion	Resp	Lower	Upper
95	100		
174	91.3	0.0	182.6
176	89.9	0.0	178.8



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021476.D
 Acq: 04 Jan 2018 16:32

Tgt Ion	Resp	Lower	Upper
117	100		
82	52.4	41.4	62.0
119	32.5	25.7	38.5

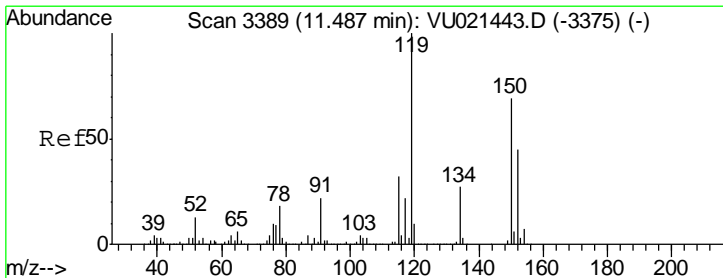
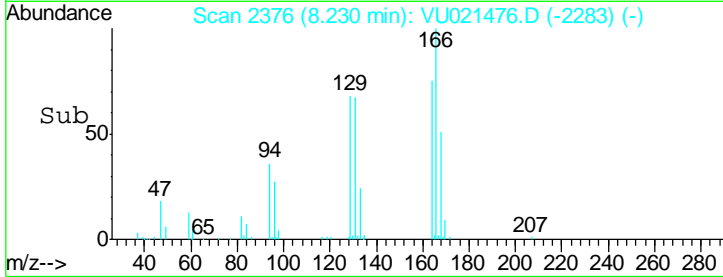
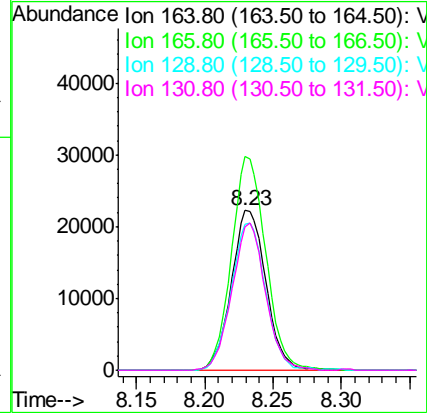
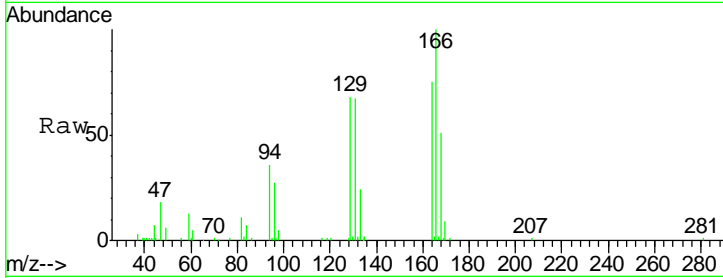




#64
 Tetrachloroethene
 Concen: 2.95 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU021476.D
 Acq: 04 Jan 2018 16:32

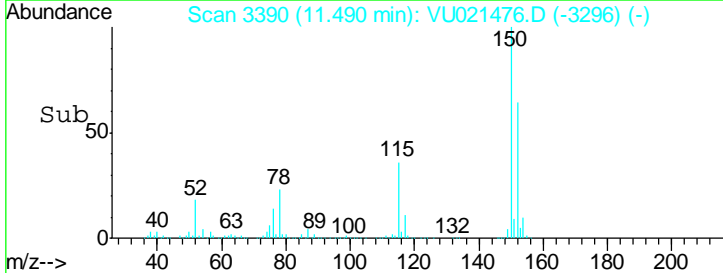
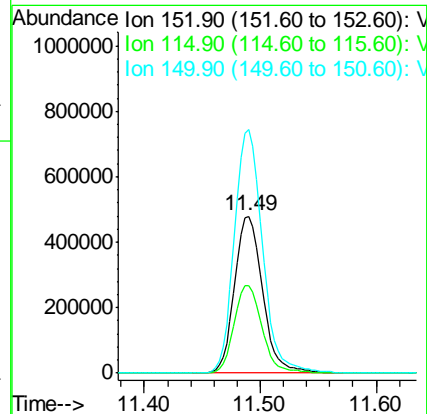
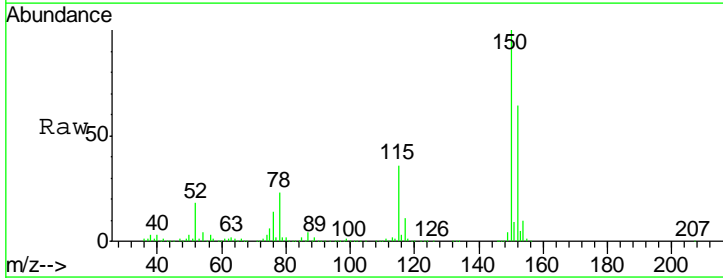
Instrument : MSVOA_U
 Client Sampled : 921-MW-16(22.5)

Tgt Ion	Resp	Lower	Upper
164	100		
166	133.8	104.1	156.1
129	91.3	73.2	109.8
131	90.0	71.0	106.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021476.D
 Acq: 04 Jan 2018 16:32

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.7	38.0	114.1
150	156.1	0.0	343.2



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021476.D
 Acq On : 04 Jan 2018 16:32
 Operator : MD/SY
 Sample : I7090-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 921-MW-16(22.5)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	138	154	178	rBV	1134142	1676646	35.27%	5.488%
2	2.323	534	539	554	rVB	36035	56660	1.19%	0.185%
3	2.445	568	577	590	rBV	129590	235520	4.95%	0.771%
4	4.233	1112	1133	1150	rBV2	188257	470812	9.91%	1.541%
5	4.889	1320	1337	1352	rBV	739604	1652890	34.77%	5.411%
6	4.986	1352	1367	1398	rVB	1581010	3516082	73.97%	11.510%
7	5.317	1450	1470	1494	rBV	707775	1529653	32.18%	5.007%
8	5.889	1628	1648	1671	rBV	2118151	4192411	88.20%	13.724%
9	6.191	1733	1742	1756	rVB2	34711	66854	1.41%	0.219%
10	7.567	2155	2170	2193	rBV	2489416	4311070	90.70%	14.112%
11	8.230	2366	2376	2389	rVB	162000	274480	5.77%	0.898%
12	9.095	2629	2645	2675	rBV	2842626	4753261	100.00%	15.560%
13	10.313	3010	3024	3063	rBV	1955301	3233838	68.03%	10.586%
14	11.490	3376	3390	3426	rBV	2706888	4578642	96.33%	14.988%

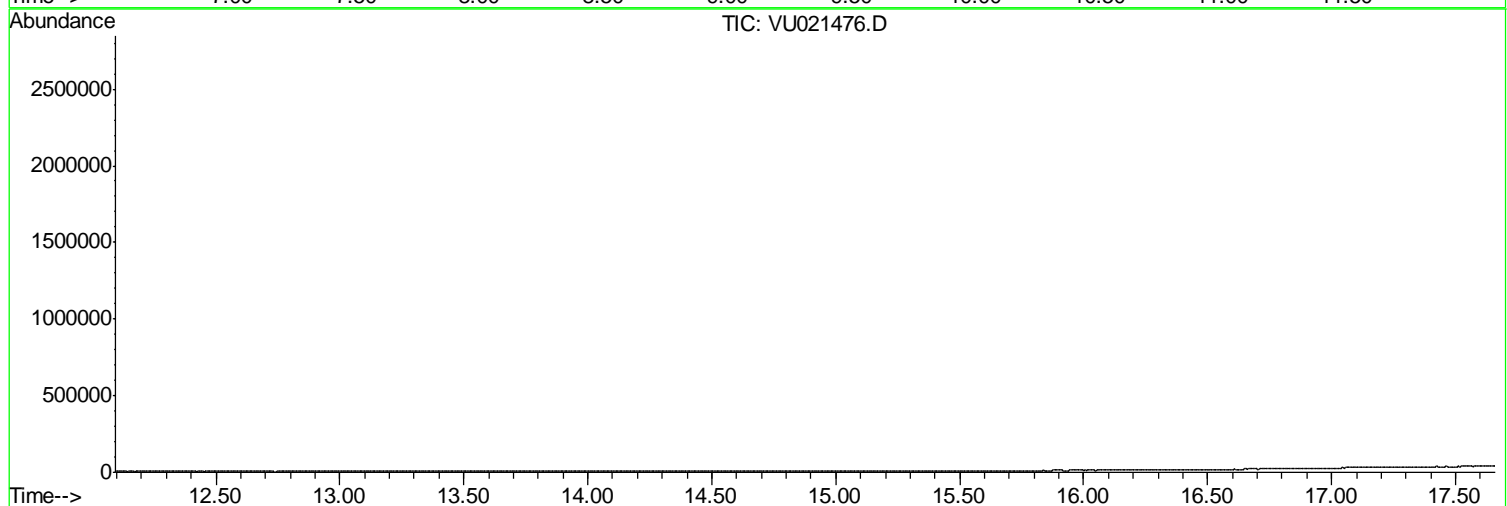
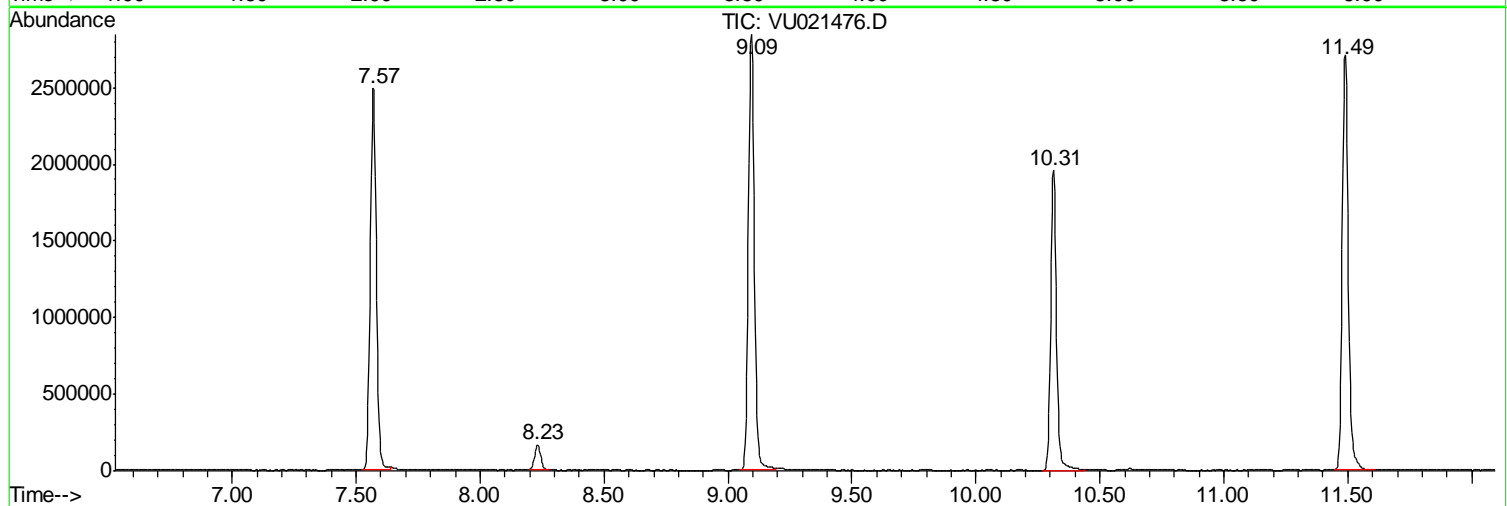
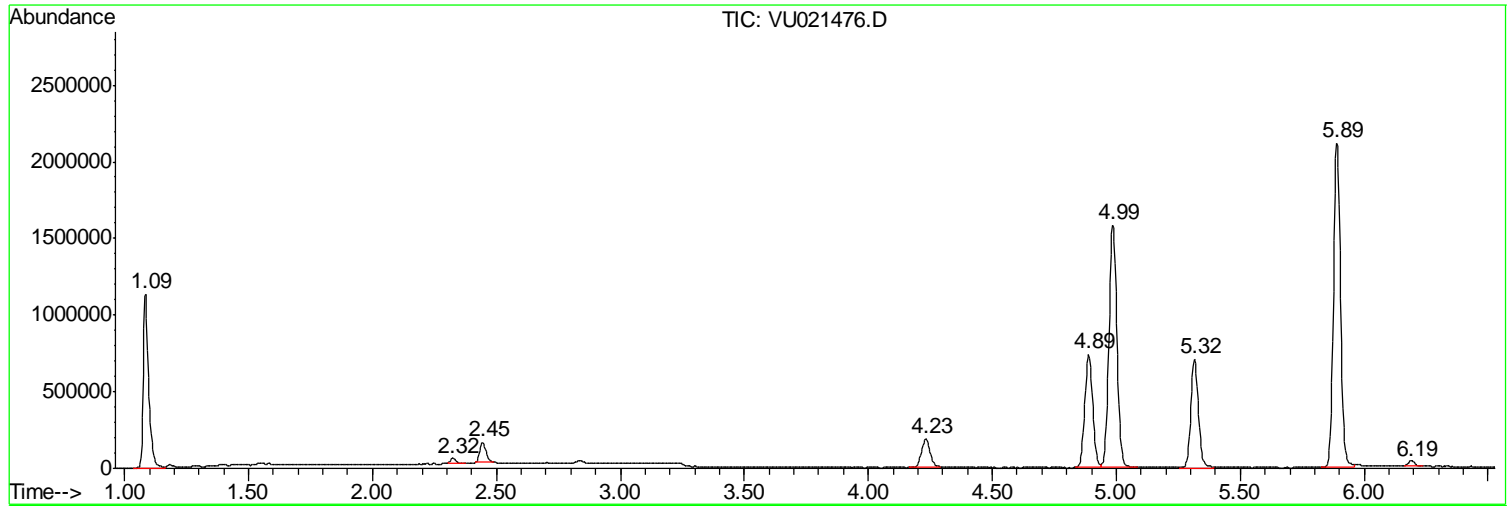
Sum of corrected areas: 30548819

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021476.D
Acq On : 04 Jan 2018 16:32
Operator : MD/SY
Sample : I7090-12
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
921-MW-16(22.5)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021476.D
Acq On : 04 Jan 2018 16:32
Operator : MD/SY
Sample : I7090-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
921-MW-16(22.5)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021476.D
 Acq On : 04 Jan 2018 16:32
 Operator : MD/SY
 Sample : I7090-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 921-MW-16(22.5)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	922-MW-17(15.5)	SDG No.:	17090
Lab Sample ID:	I7090-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021480.D	100		01/04/18 18:19	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	100	U	20	20	100	ug/L
74-87-3	Chloromethane	100	U	20	20	100	ug/L
75-01-4	Vinyl Chloride	100	U	20	20	100	ug/L
74-83-9	Bromomethane	100	U	20	20	100	ug/L
75-00-3	Chloroethane	100	U	20	50	100	ug/L
75-69-4	Trichlorofluoromethane	100	U	20	20	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	100	U	20	20	100	ug/L
75-35-4	1,1-Dichloroethene	100	U	20	20	100	ug/L
67-64-1	Acetone	500	U	50	100	500	ug/L
75-15-0	Carbon Disulfide	100	U	20	20	100	ug/L
1634-04-4	Methyl tert-butyl Ether	100	U	35	50	100	ug/L
79-20-9	Methyl Acetate	100	U	20	50	100	ug/L
75-09-2	Methylene Chloride	100	U	20	20	100	ug/L
156-60-5	trans-1,2-Dichloroethene	100	U	20	20	100	ug/L
75-34-3	1,1-Dichloroethane	100	U	20	20	100	ug/L
110-82-7	Cyclohexane	100	U	20	20	100	ug/L
78-93-3	2-Butanone	500	U	130	250	500	ug/L
56-23-5	Carbon Tetrachloride	100	U	20	20	100	ug/L
156-59-2	cis-1,2-Dichloroethene	57	J	20	20	100	ug/L
74-97-5	Bromochloromethane	100	U	20	50	100	ug/L
67-66-3	Chloroform	100	U	20	20	100	ug/L
71-55-6	1,1,1-Trichloroethane	100	U	20	20	100	ug/L
108-87-2	Methylcyclohexane	100	U	20	20	100	ug/L
71-43-2	Benzene	100	U	20	20	100	ug/L
107-06-2	1,2-Dichloroethane	100	U	20	20	100	ug/L
79-01-6	Trichloroethene	79	J	20	20	100	ug/L
78-87-5	1,2-Dichloropropane	100	U	20	20	100	ug/L
75-27-4	Bromodichloromethane	100	U	20	20	100	ug/L
108-10-1	4-Methyl-2-Pentanone	500	U	100	100	500	ug/L
108-88-3	Toluene	100	U	20	20	100	ug/L
10061-02-6	t-1,3-Dichloropropene	100	U	20	20	100	ug/L
10061-01-5	cis-1,3-Dichloropropene	100	U	20	20	100	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	922-MW-17(15.5)	SDG No.:	17090
Lab Sample ID:	I7090-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021480.D	100		01/04/18 18:19	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	100	U	20	20	100	ug/L
591-78-6	2-Hexanone	500	U	190	250	500	ug/L
124-48-1	Dibromochloromethane	100	U	20	20	100	ug/L
106-93-4	1,2-Dibromoethane	100	U	20	20	100	ug/L
127-18-4	Tetrachloroethene	6600		20	20	100	ug/L
108-90-7	Chlorobenzene	100	U	20	20	100	ug/L
100-41-4	Ethyl Benzene	100	U	20	20	100	ug/L
179601-23-1	m/p-Xylenes	200	U	40	40	200	ug/L
95-47-6	o-Xylene	100	U	20	20	100	ug/L
100-42-5	Styrene	100	U	20	20	100	ug/L
75-25-2	Bromoform	100	U	20	20	100	ug/L
98-82-8	Isopropylbenzene	100	U	20	20	100	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	100	U	20	20	100	ug/L
541-73-1	1,3-Dichlorobenzene	100	U	20	20	100	ug/L
106-46-7	1,4-Dichlorobenzene	100	U	20	20	100	ug/L
95-50-1	1,2-Dichlorobenzene	100	U	20	20	100	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	100	U	20	20	100	ug/L
120-82-1	1,2,4-Trichlorobenzene	100	U	20	20	100	ug/L
87-61-6	1,2,3-Trichlorobenzene	100	U	20	20	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.9		61 - 141		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	52.9		65 - 126		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		58 - 135		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1282020	4.99				
540-36-3	1,4-Difluorobenzene	1913550	5.89				
3114-55-4	Chlorobenzene-d5	1688250	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	785559	11.49				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	922-MW-17(15.5)	SDG No.:	17090
Lab Sample ID:	I7090-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021480.D	100		01/04/18 18:19	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021480.D
 Acq On : 04 Jan 2018 18:19
 Operator : MD/SY
 Sample : I7090-13 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 922-MW-17(15.5)

Quant Time: Jan 05 00:55:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

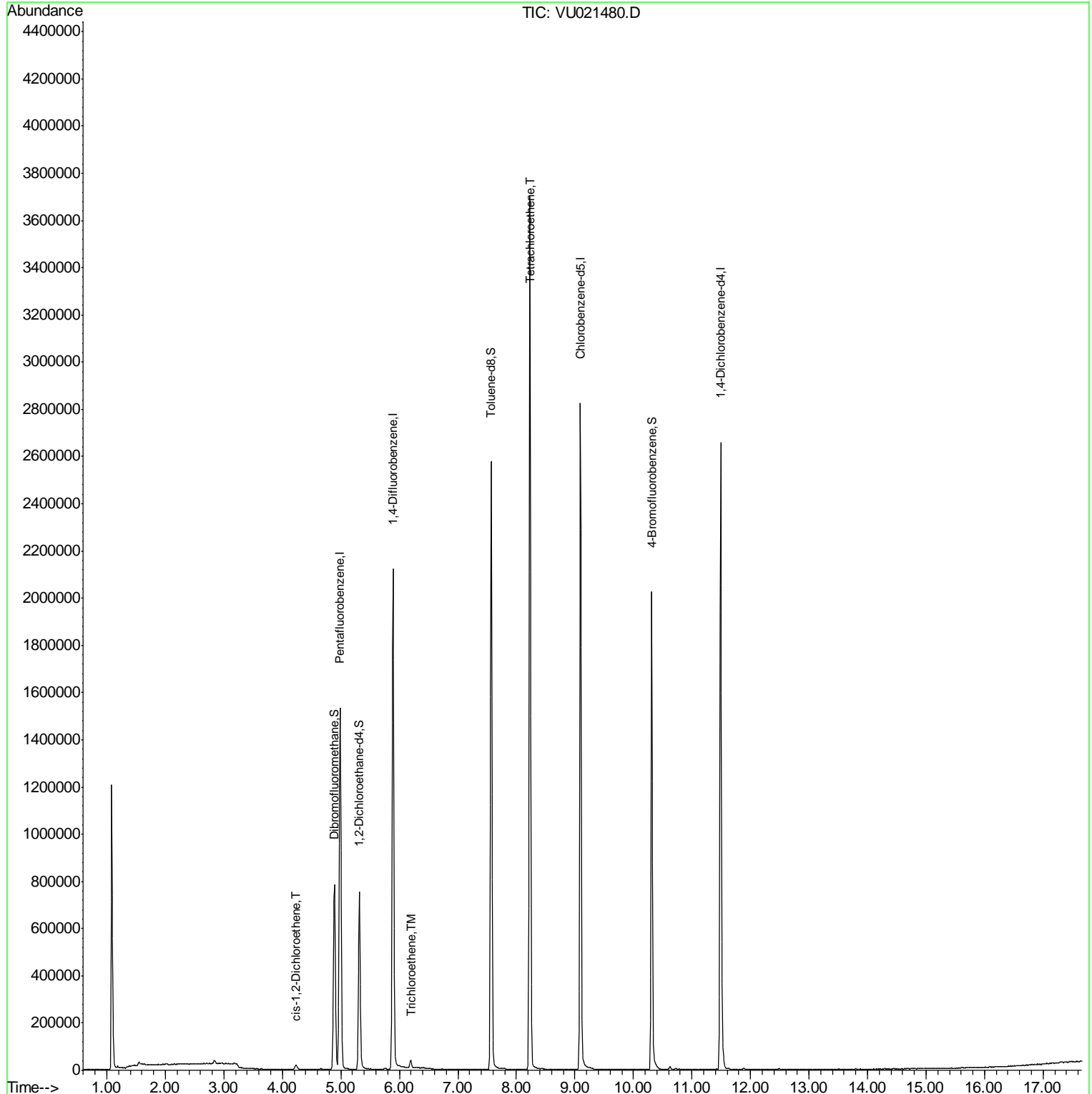
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1282017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1913550	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1688253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	785559	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	589619	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	4.89	113	535399	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	7.57	98	1786697	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	10.31	95	686263	43.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.22%	
Target Compounds						
27) cis-1,2-Dichloroethene	4.23	96	7692	0.57	ug/l	87
44) Trichloroethene	6.19	130	11499	0.79	ug/l	95
64) Tetrachloroethene	8.23	164	882210	66.46	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

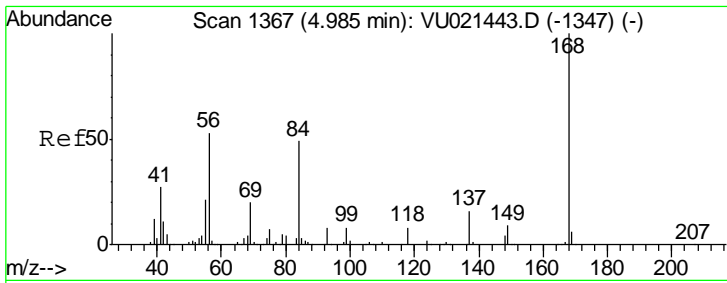
Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021480.D
 Acq On : 04 Jan 2018 18:19
 Operator : MD/SY
 Sample : I7090-13 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 922-MW-17(15.5)

Quant Time: Jan 05 00:55:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration



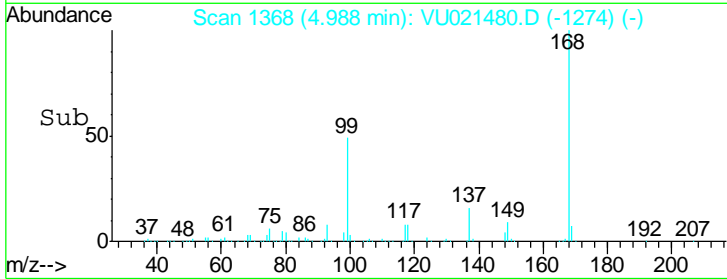
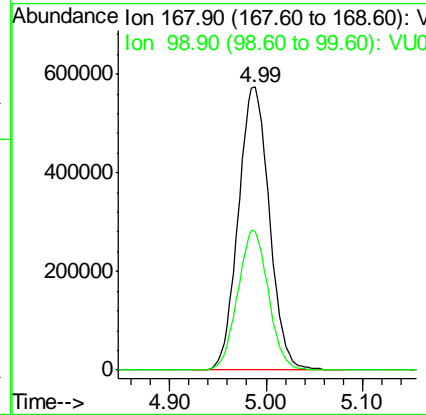
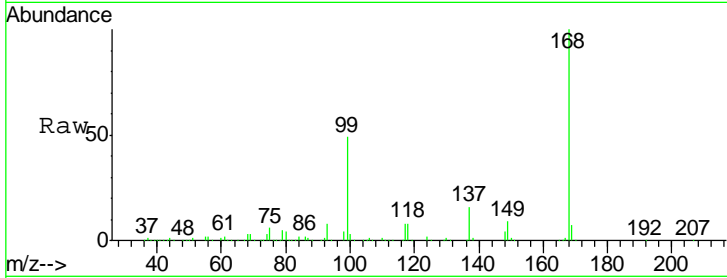
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU021480.D
 Acq: 04 Jan 2018 18:19

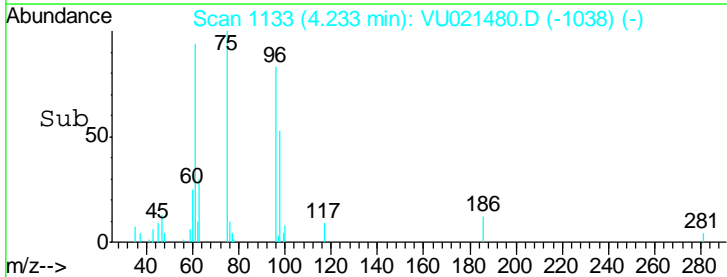
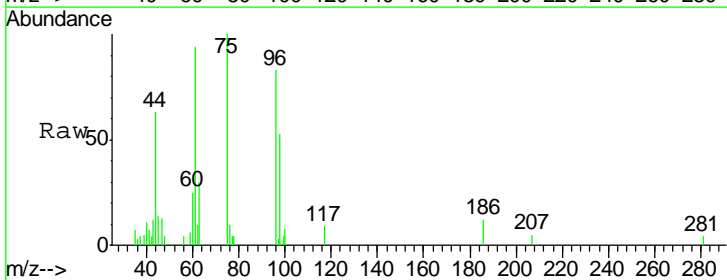
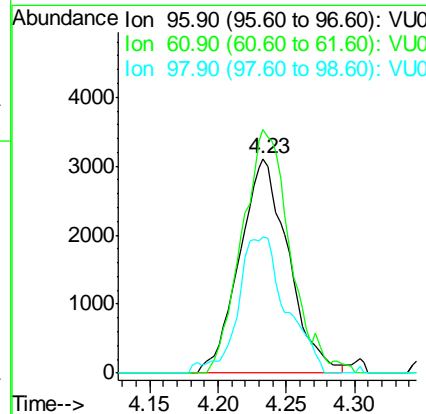
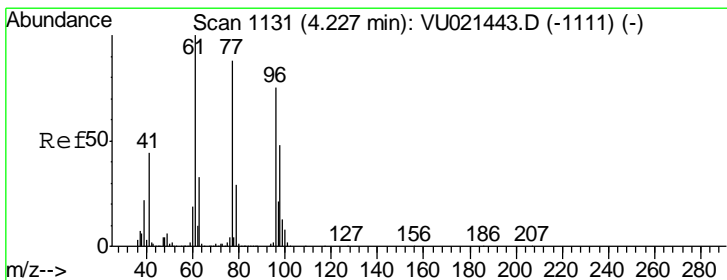
Instrument : MSVOA_U
 Client Sampled : 922-MW-17(15.5)

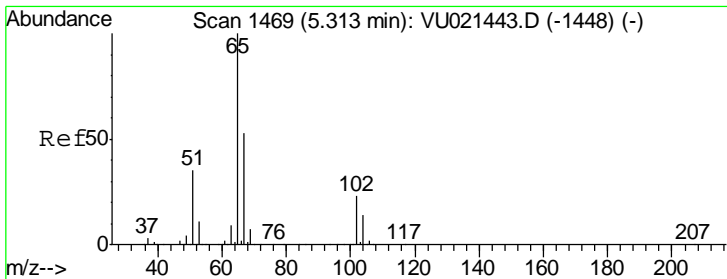
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.0	39.4	59.2



#27
 cis-1,2-Dichloroethene
 Concen: 0.57 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VU021480.D
 Acq: 04 Jan 2018 18:19

Tgt Ion	Resp	Lower	Upper
96	100		
61	113.0	0.0	270.2
98	63.1	0.0	128.2

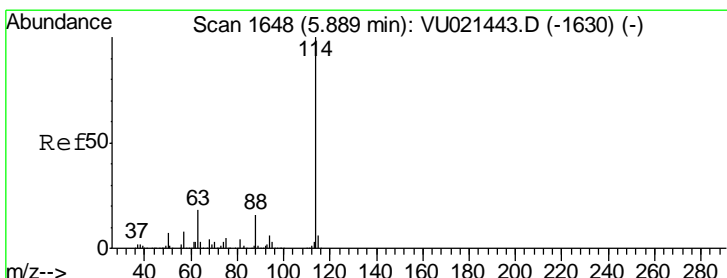
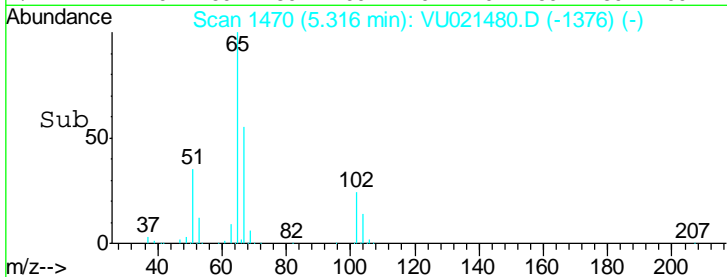
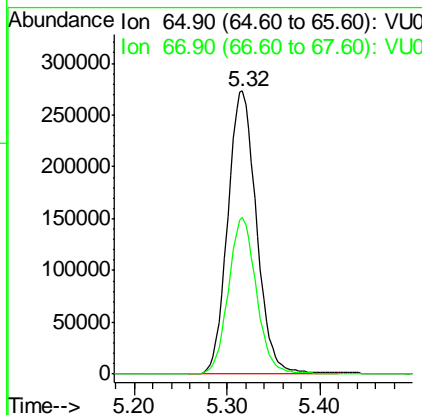
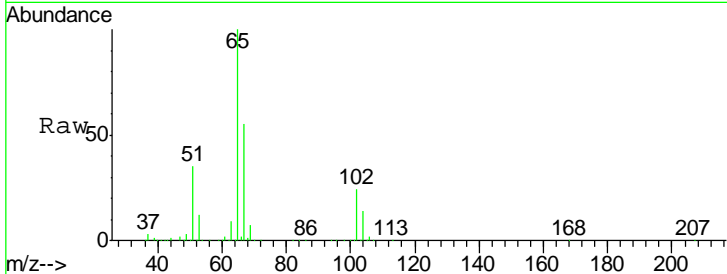




#33
 1,2-Dichloroethane-d4
 Concen: 53.91 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021480.D
 Acq: 04 Jan 2018 18:19

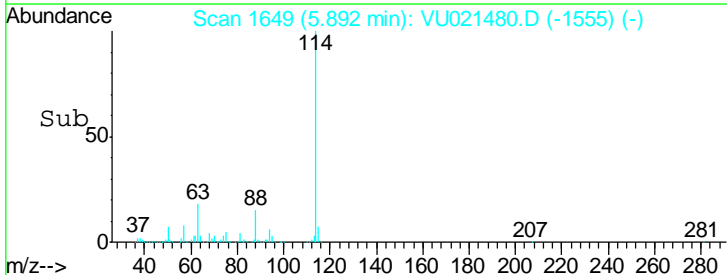
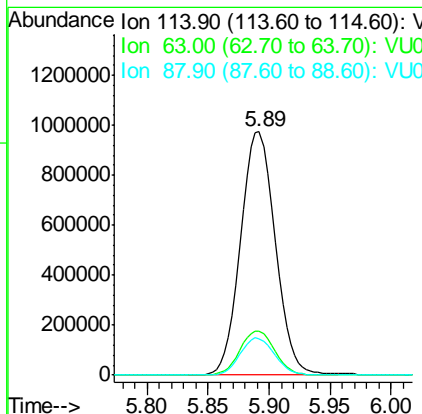
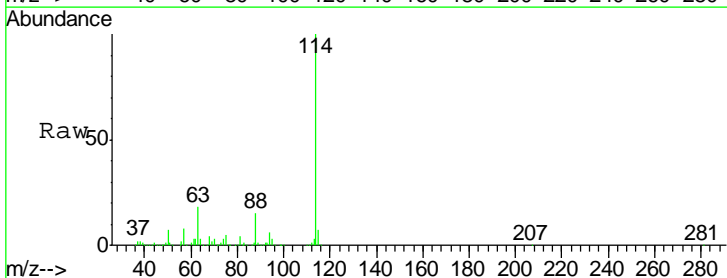
Instrument : MSVOA_U
 ClientSampled : 922-MW-17(15.5)

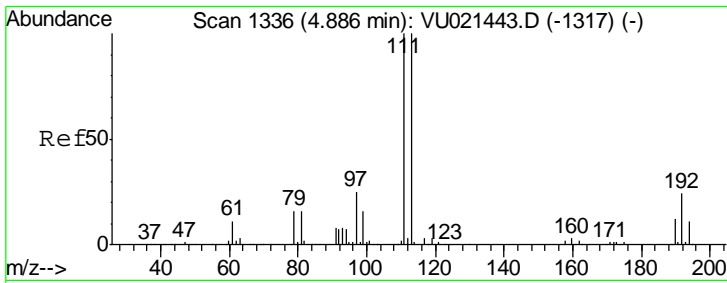
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.0	0.0	106.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU021480.D
 Acq: 04 Jan 2018 18:19

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.0	0.0	36.6
88	15.1	0.0	31.2

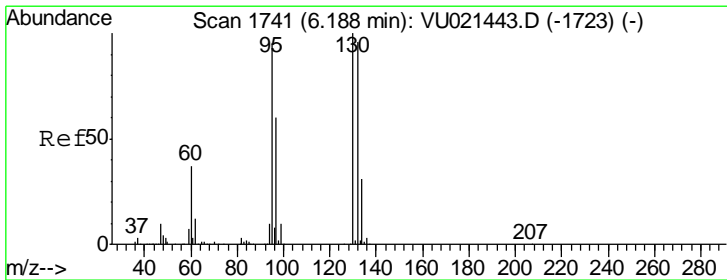
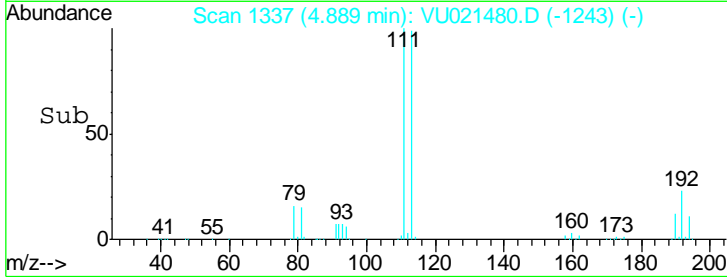
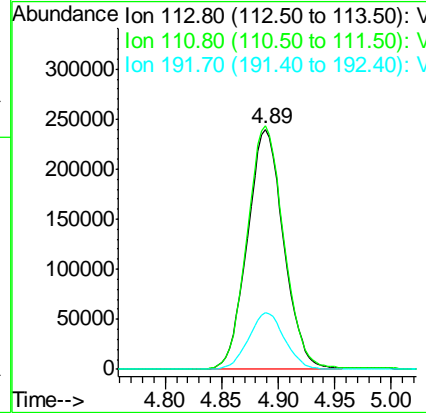
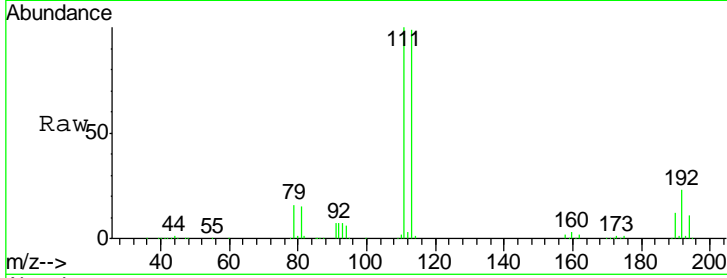




#35
 Dibromofluoromethane
 Concen: 50.54 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021480.D
 Acq: 04 Jan 2018 18:19

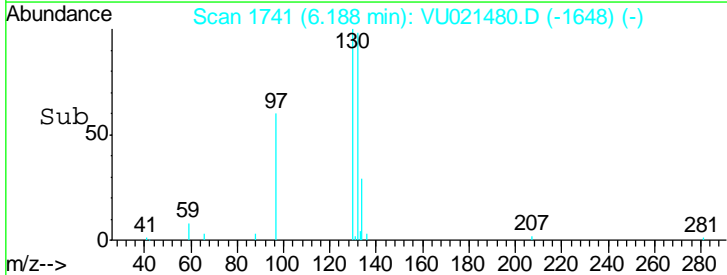
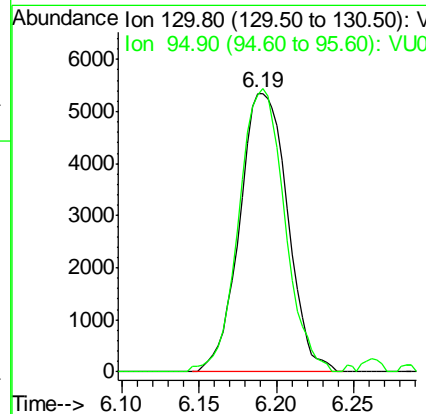
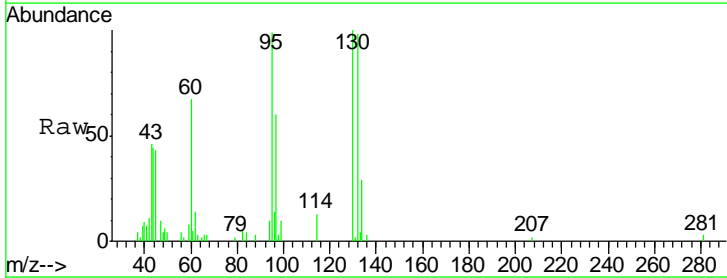
Instrument : MSVOA_U
 ClientSampleId : 922-MW-17(15.5)

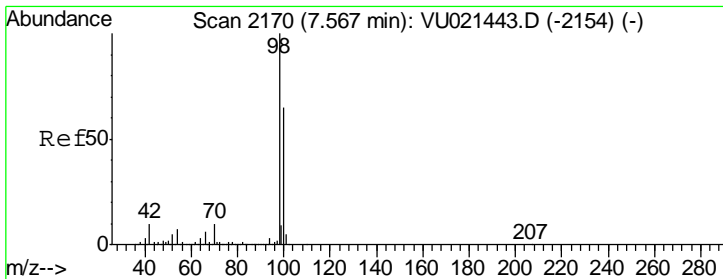
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.8	82.2	123.2
192	23.7	19.0	28.4



#44
 Trichloroethene
 Concen: 0.79 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU021480.D
 Acq: 04 Jan 2018 18:19

Tgt Ion	Resp	Lower	Upper
130	100		
95	99.5	0.0	189.6

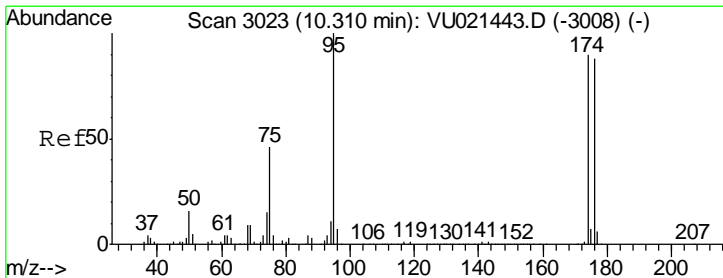
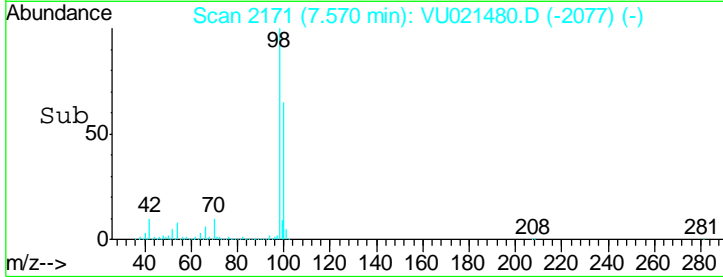
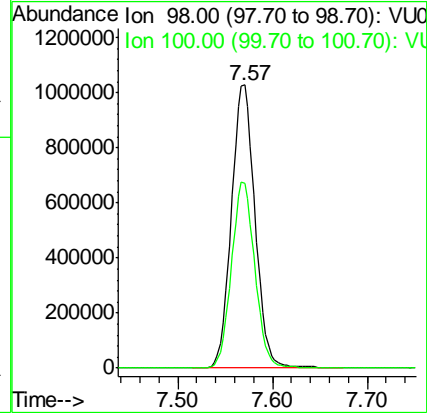
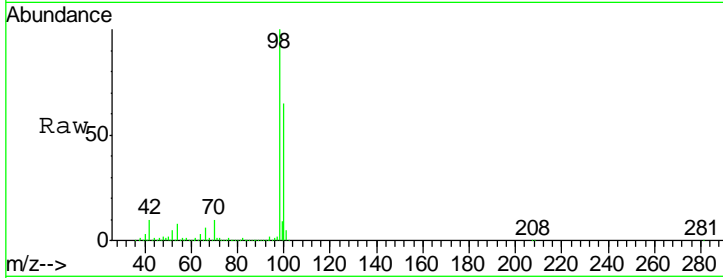




#50
 Toluene-d8
 Concen: 52.91 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021480.D
 Acq: 04 Jan 2018 18:19

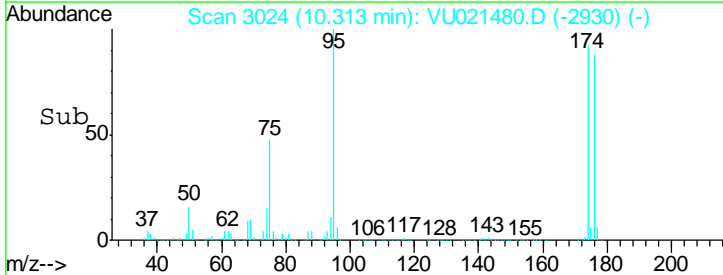
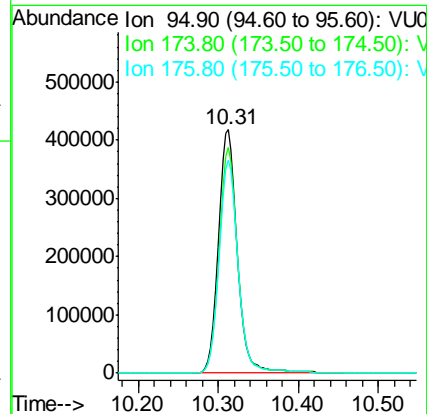
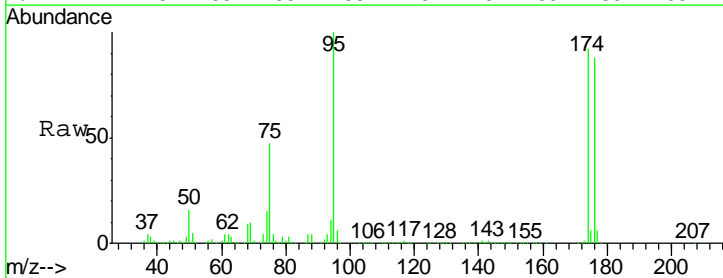
Instrument : MSVOA_U
 ClientSampleId : 922-MW-17(15.5)

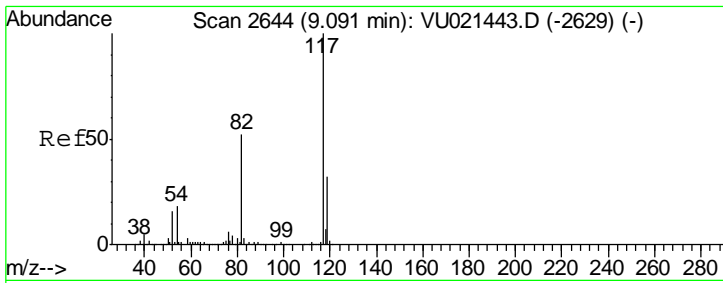
Tgt Ion: 98 Resp: 1786697
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.8 77.8



#62
 4-Bromofluorobenzene
 Concen: 43.61 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021480.D
 Acq: 04 Jan 2018 18:19

Tgt Ion: 95 Resp: 686263
 Ion Ratio Lower Upper
 95 100
 174 91.3 0.0 182.6
 176 88.1 0.0 178.8



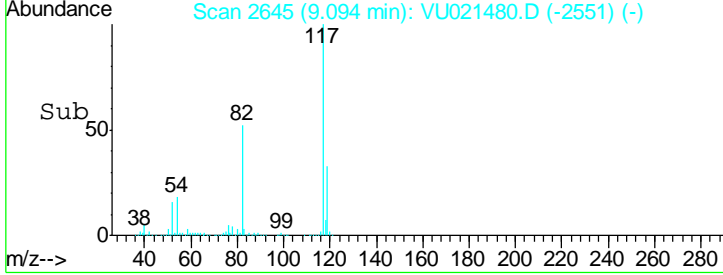
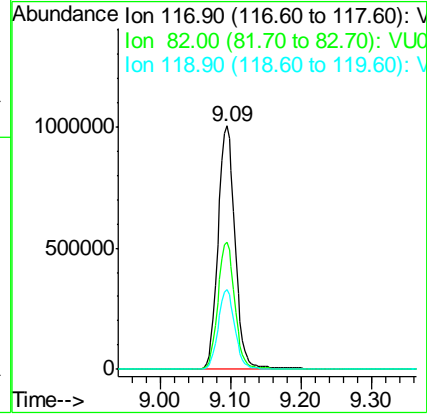
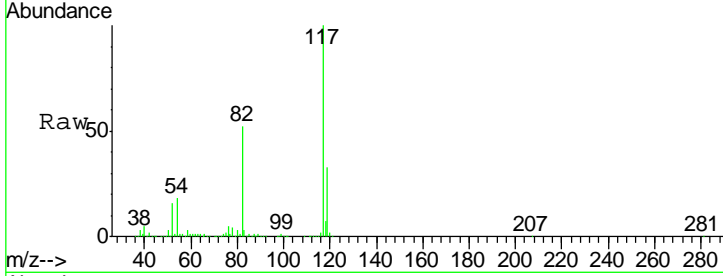


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021480.D
 Acq: 04 Jan 2018 18:19

Instrument : MSVOA_U
 ClientSampleId : 922-MW-17(15.5)

Tgt Ion:117 Resp: 1688253

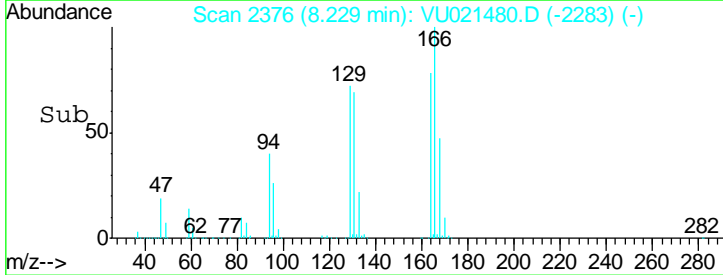
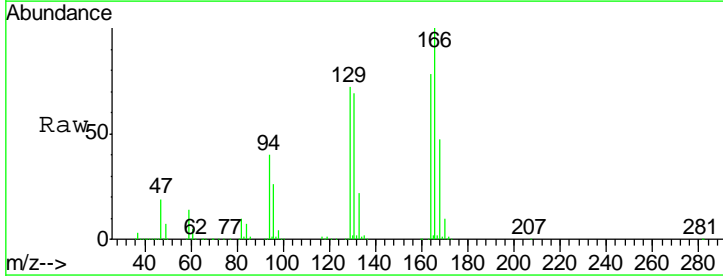
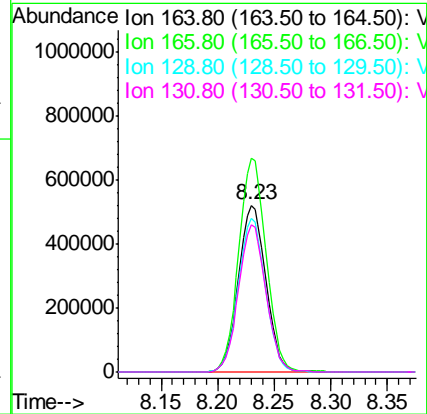
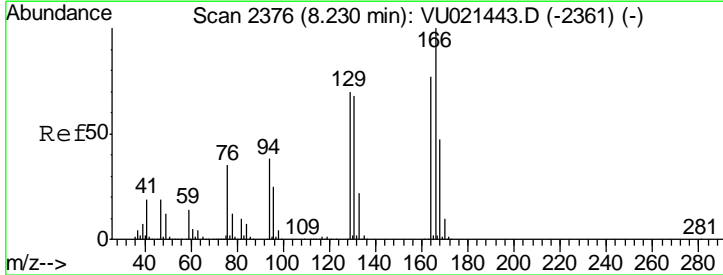
Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.4	62.0
119	32.6	25.7	38.5

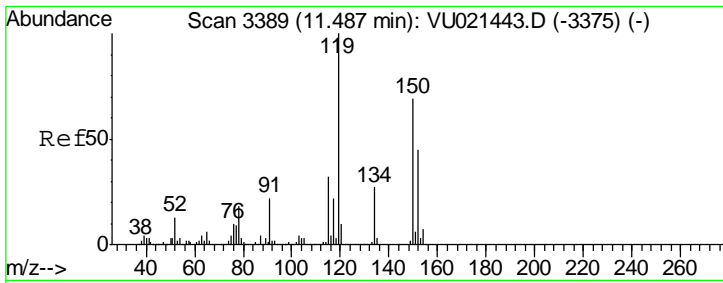


#64
 Tetrachloroethene
 Concen: 66.46 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU021480.D
 Acq: 04 Jan 2018 18:19

Tgt Ion:164 Resp: 882210

Ion	Ratio	Lower	Upper
164	100		
166	128.1	104.1	156.1
129	91.9	73.2	109.8
131	88.2	71.0	106.6

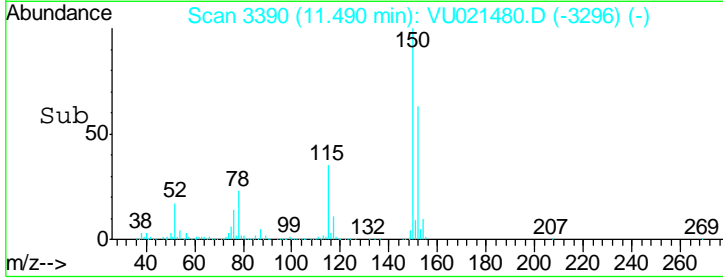
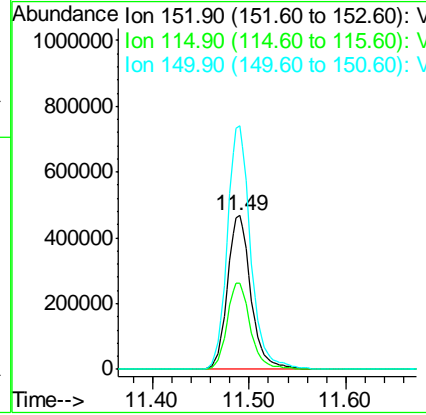
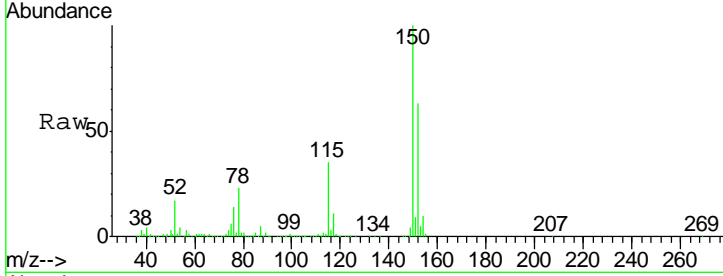




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021480.D
 Acq: 04 Jan 2018 18:19

Instrument : MSVOA_U
 ClientSampleId : 922-MW-17(15.5)

Tot Ion	152	Resp	785559
Ion Ratio	Lower	Upper	
152	100		
115	56.1	38.0	114.1
150	158.1	0.0	343.2



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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021480.D
 Acq On : 04 Jan 2018 18:19
 Operator : MD/SY
 Sample : I7090-13 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 922-MW-17(15.5)

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.082	138	153	179	rBV	1208354	1733708	27.62%	4.800%
2	4.889	1317	1337	1352	rBV	785234	1764754	28.12%	4.886%
3	4.985	1352	1367	1396	rVB	1529218	3400763	54.18%	9.416%
4	5.316	1453	1470	1496	rBV	753847	1616419	25.75%	4.475%
5	5.889	1629	1648	1683	rBV	2119506	4242834	67.60%	11.747%
6	7.567	2155	2170	2203	rBV	2574614	4515751	71.94%	12.503%
7	8.229	2354	2376	2399	rBV	3698316	6276700	100.00%	17.378%
8	9.094	2627	2645	2687	rBV	2821446	4739063	75.50%	13.121%
9	10.313	3008	3024	3064	rBV	2024995	3336635	53.16%	9.238%
10	11.490	3376	3390	3421	rBV	2656335	4491092	71.55%	12.435%

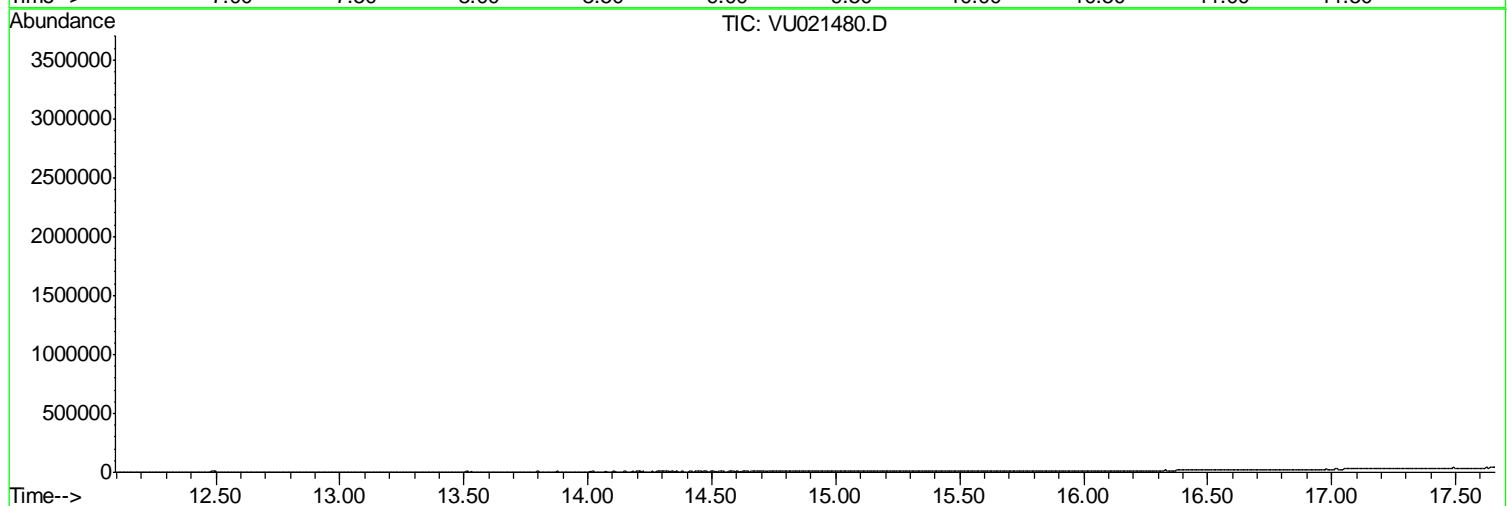
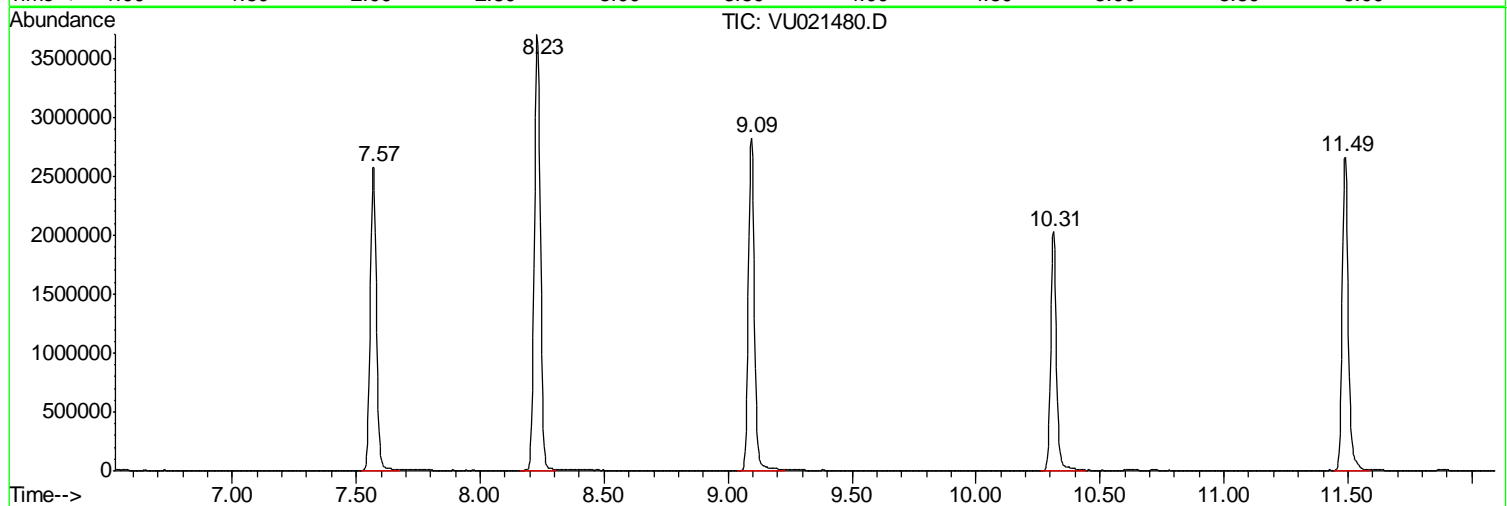
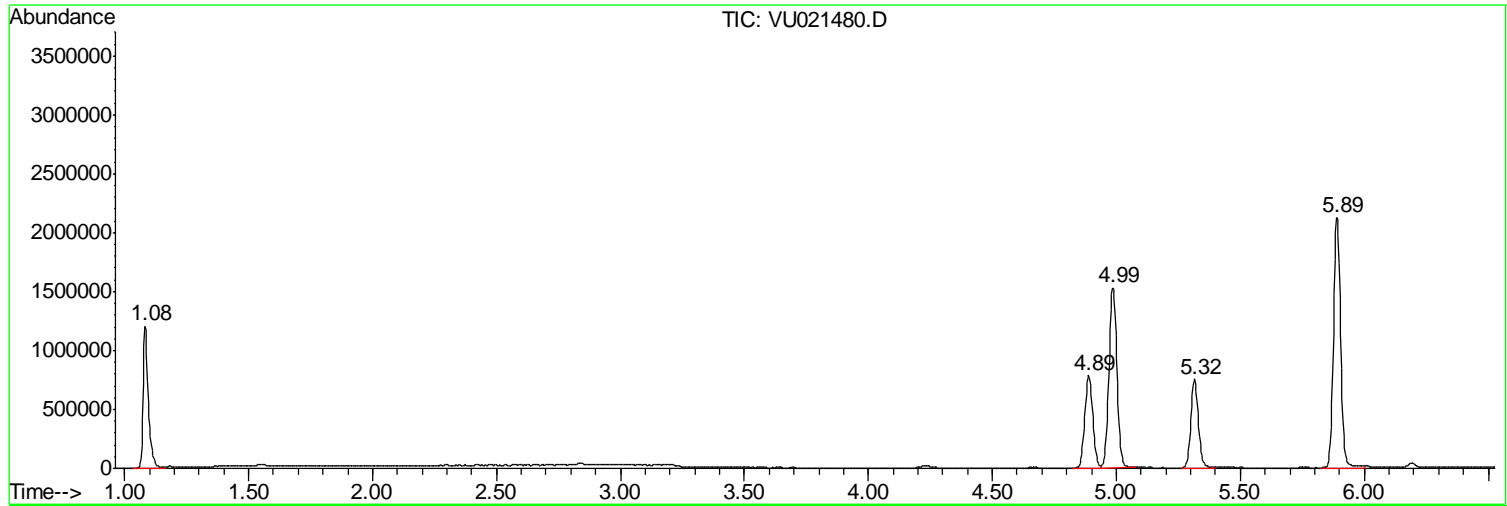
Sum of corrected areas: 36117719

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021480.D
Acq On : 04 Jan 2018 18:19
Operator : MD/SY
Sample : I7090-13 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
922-MW-17(15.5)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021480.D
Acq On : 04 Jan 2018 18:19
Operator : MD/SY
Sample : I7090-13 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
922-MW-17(15.5)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021480.D
 Acq On : 04 Jan 2018 18:19
 Operator : MD/SY
 Sample : I7090-13 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 922-MW-17(15.5)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	923-MW-18(21.5)	SDG No.:	17090
Lab Sample ID:	I7090-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021477.D	1		01/04/18 16:58	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	4	J	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	4.5		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	3.7		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	923-MW-18(21.5)	SDG No.:	17090
Lab Sample ID:	17090-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021477.D	1		01/04/18 16:58	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	25		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.8		61 - 141		108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		69 - 133		99%	SPK: 50
2037-26-5	Toluene-d8	52.5		65 - 126		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.3		58 - 135		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1204350	4.99				
540-36-3	1,4-Difluorobenzene	1826650	5.89				
3114-55-4	Chlorobenzene-d5	1617390	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	758548	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	923-MW-18(21.5)	SDG No.:	17090
Lab Sample ID:	I7090-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021477.D	1		01/04/18 16:58	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021477.D
 Acq On : 04 Jan 2018 16:58
 Operator : MD/SY
 Sample : I7090-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 923-MW-18(21.5)

Quant Time: Jan 05 00:39:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1204346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1826646	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1617387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	758548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	552815	53.80	ug/l	0.00
Spiked Amount						
						Recovery = 107.60%
35) Dibromofluoromethane	4.89	113	498621	49.31	ug/l	0.00
Spiked Amount						
						Recovery = 98.62%
50) Toluene-d8	7.57	98	1692775	52.52	ug/l	0.00
Spiked Amount						
						Recovery = 105.04%
62) 4-Bromofluorobenzene	10.31	95	650016	43.28	ug/l	0.00
Spiked Amount						
						Recovery = 86.56%

Target Compounds

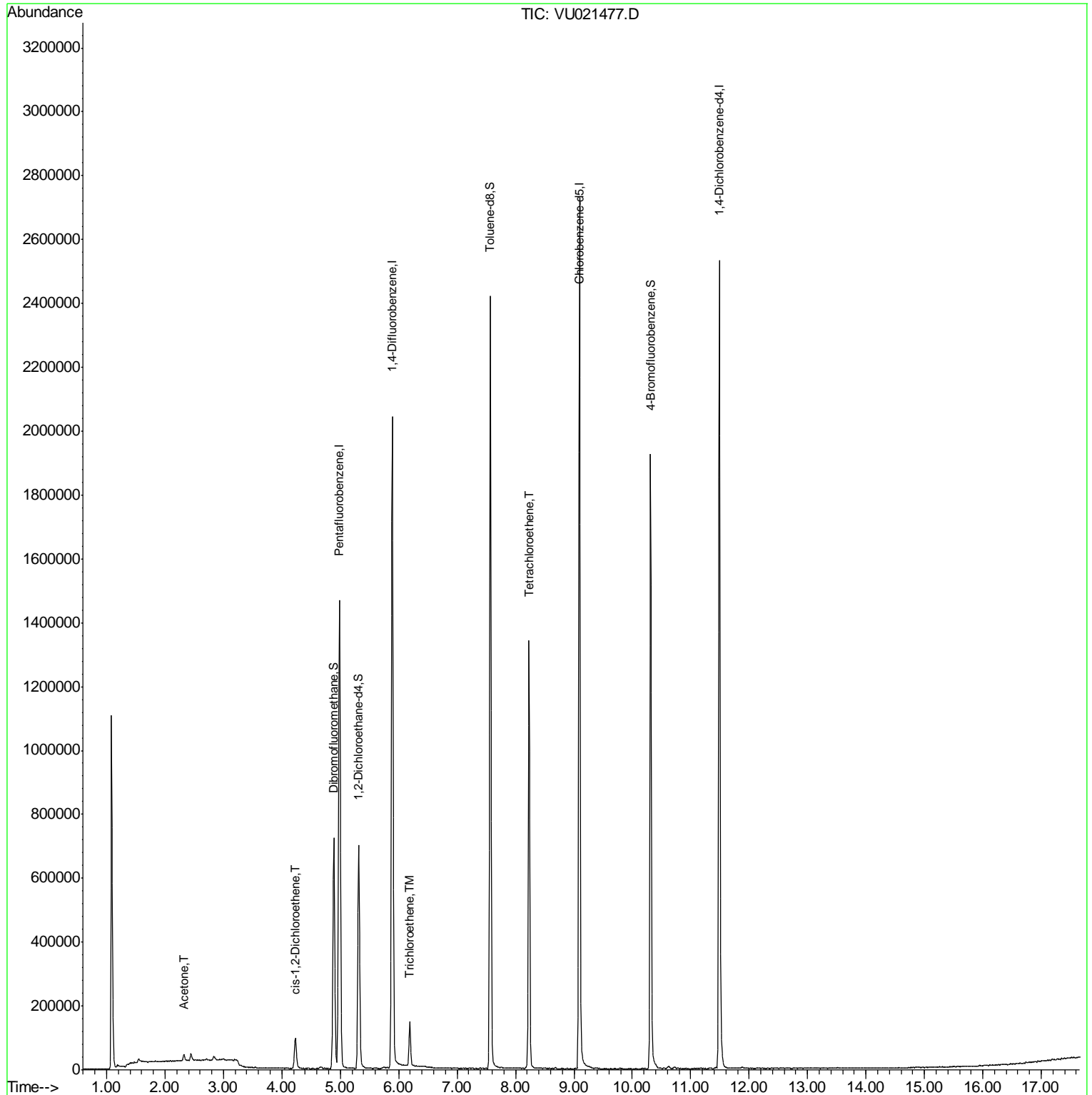
						Qvalue
16) Acetone	2.32	43	24524	4.02	ug/l	90
27) cis-1,2-Dichloroethene	4.23	96	56302	4.47	ug/l	90
44) Trichloroethene	6.19	130	50633	3.66	ug/l	94
64) Tetrachloroethene	8.23	164	318374	25.03	ug/l	99

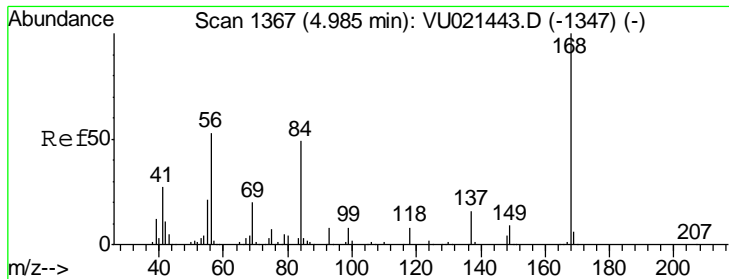
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021477.D
Acq On : 04 Jan 2018 16:58
Operator : MD/SY
Sample : I7090-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
923-MW-18(21.5)

Quant Time: Jan 05 00:39:38 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

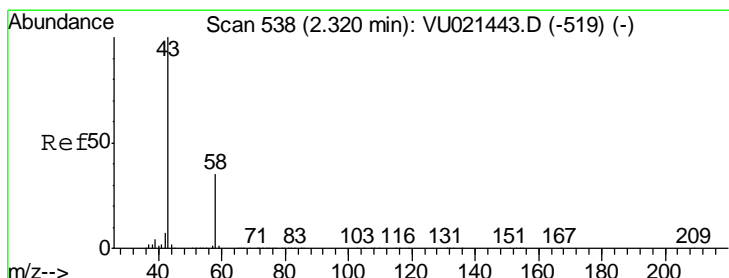
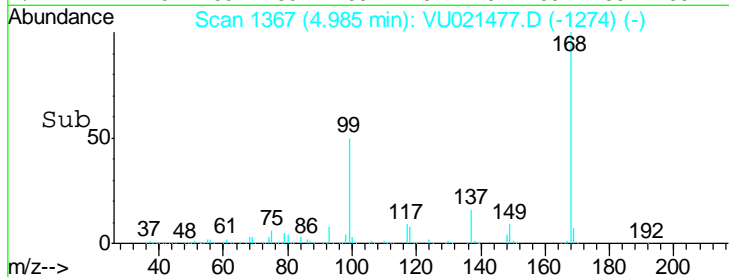
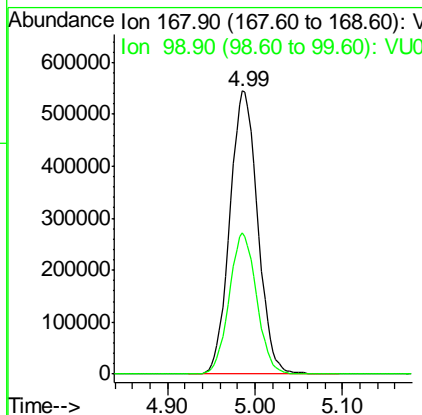
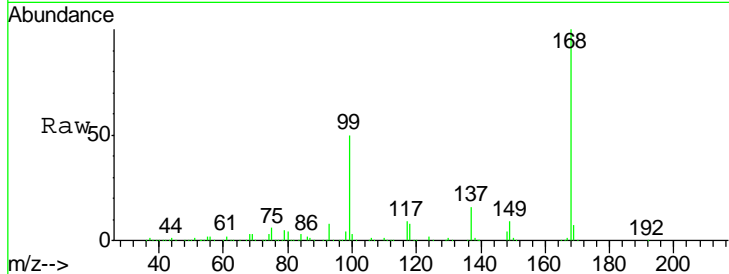




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU021477.D
 Acq: 04 Jan 2018 16:58

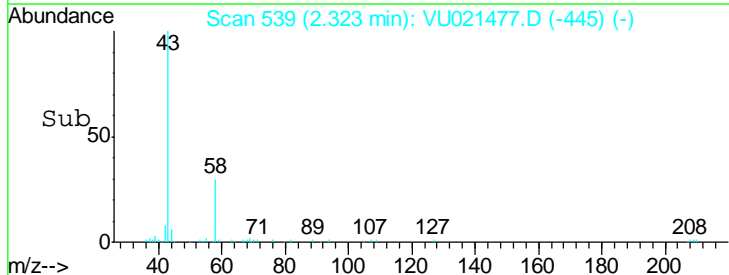
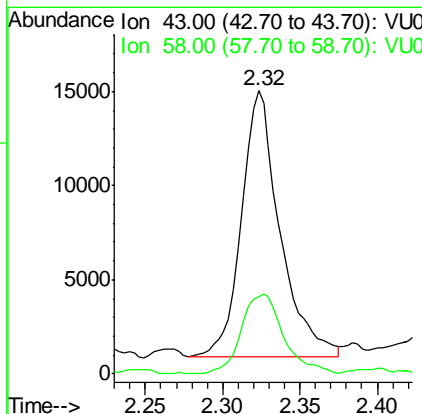
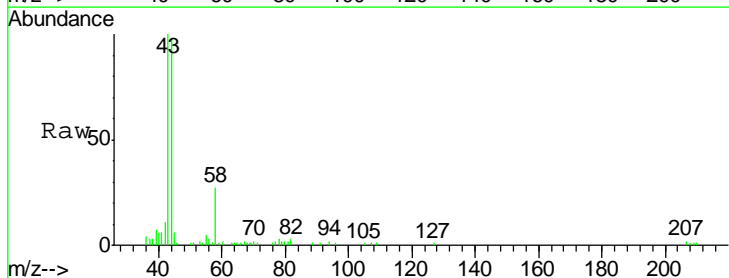
Instrument : MSVOA_U
 ClientSampled : 923-MW-18(21.5)

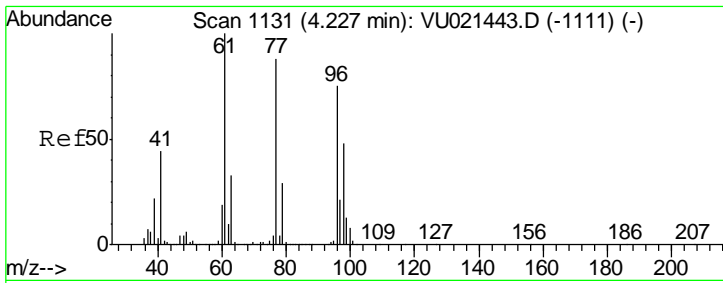
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.0	39.4	59.2



#16
 Acetone
 Concen: 4.02 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU021477.D
 Acq: 04 Jan 2018 16:58

Tgt Ion	Resp	Lower	Upper
43	100		
58	29.2	27.8	41.8

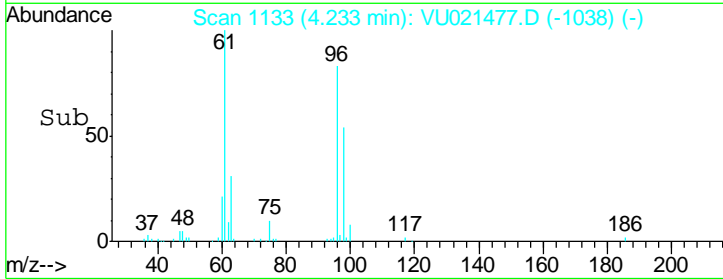
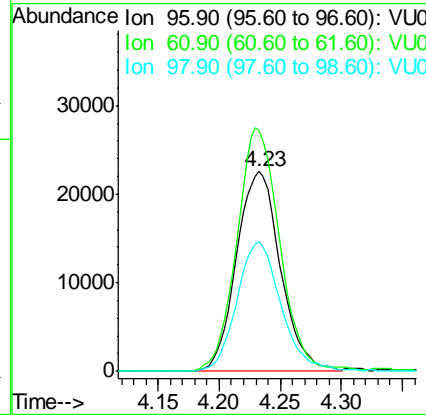
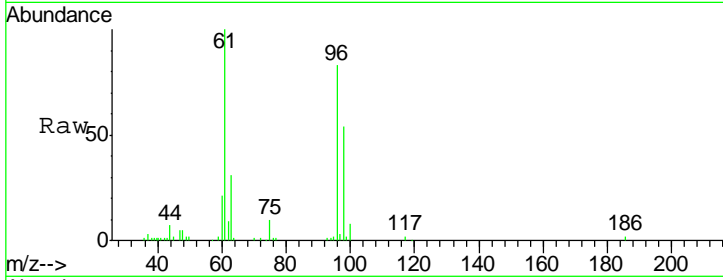




#27
 cis-1,2-Dichloroethene
 Concen: 4.47 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VU021477.D
 Acq: 04 Jan 2018 16:58

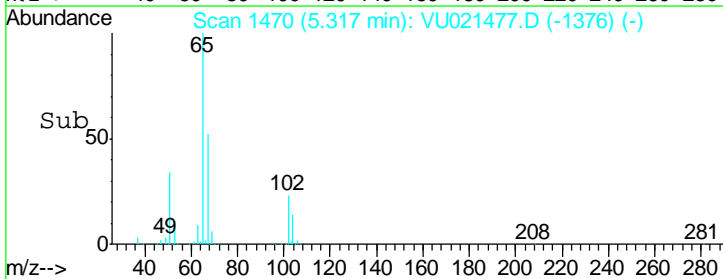
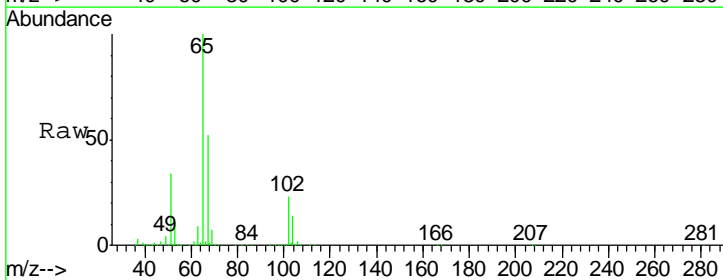
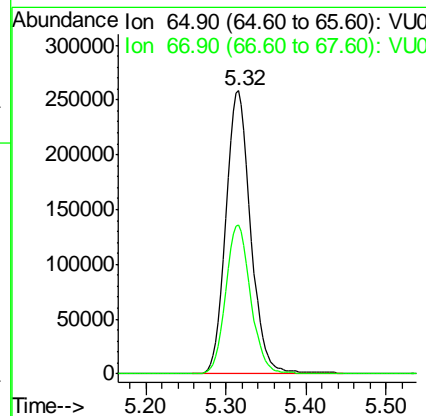
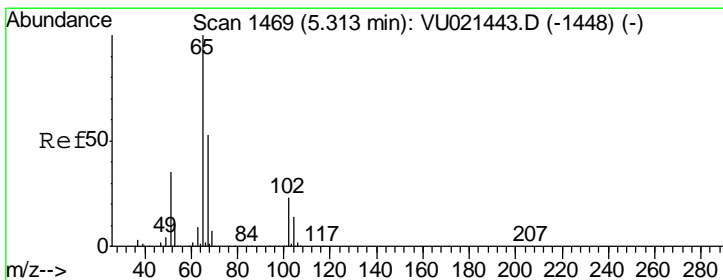
Instrument : MSVOA_U
 ClientSampled : 923-MW-18(21.5)

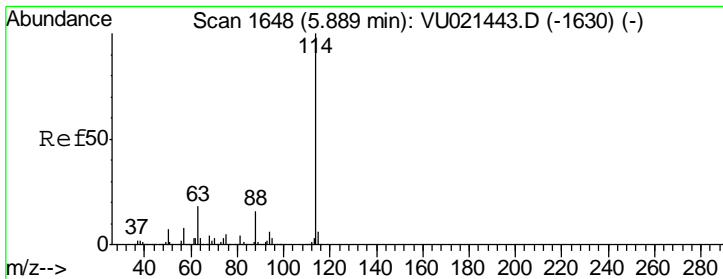
Tgt Ion	Resp	Lower	Upper
96	56302		
96	100		
61	118.9	0.0	270.2
98	64.9	0.0	128.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.80 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021477.D
 Acq: 04 Jan 2018 16:58

Tgt Ion	Resp	Lower	Upper
65	552815		
65	100		
67	52.9	0.0	106.6

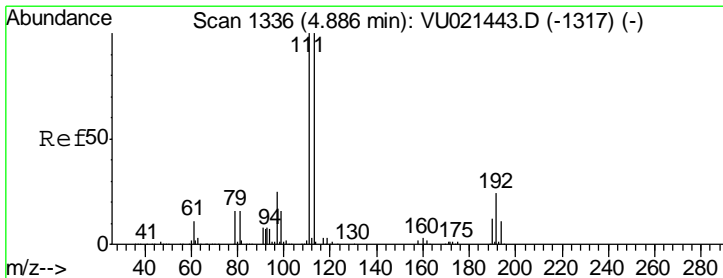
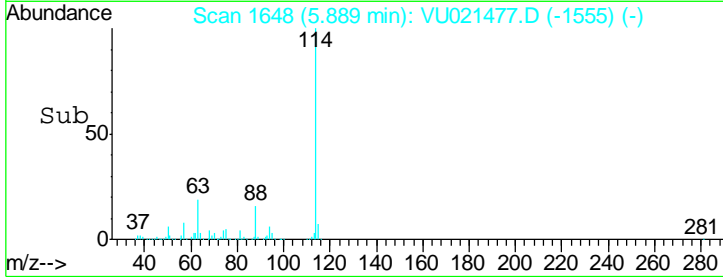
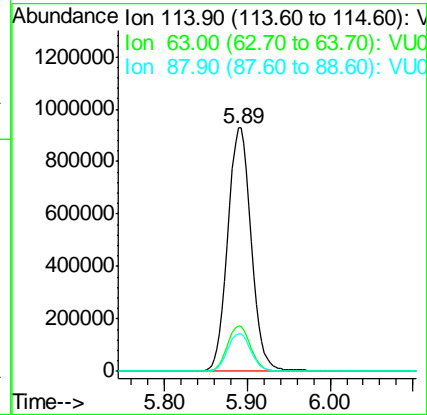
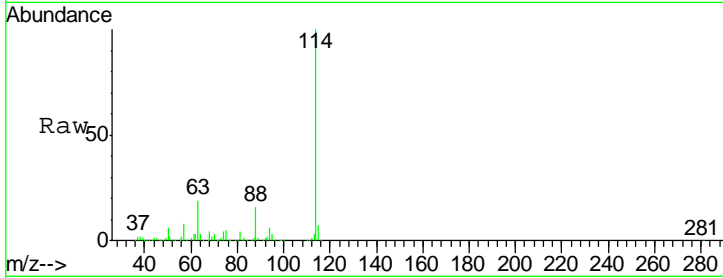




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU021477.D
 Acq: 04 Jan 2018 16:58

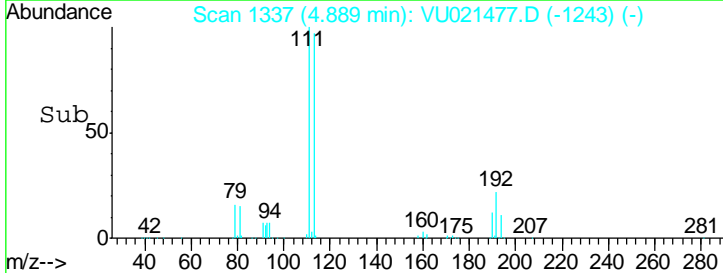
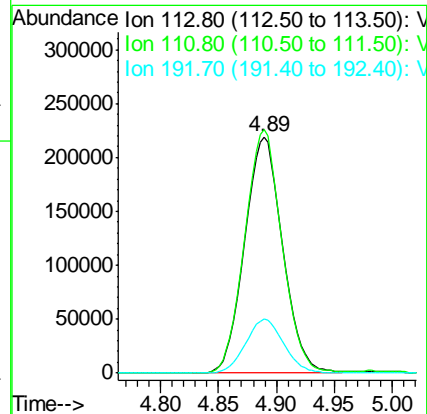
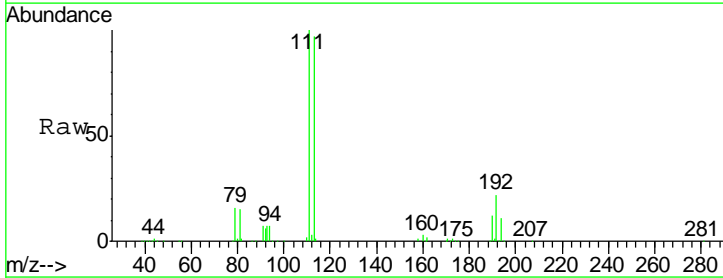
Instrument : MSVOA_U
 ClientSampleId : 923-MW-18(21.5)

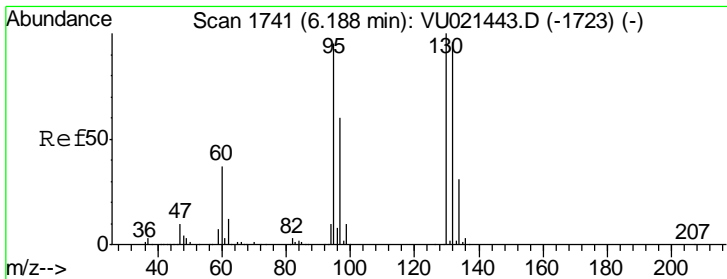
Tgt Ion	Resp	Lower	Upper
114	1826646		
63	18.7	0.0	36.6
88	15.5	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 49.31 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021477.D
 Acq: 04 Jan 2018 16:58

Tgt Ion	Resp	Lower	Upper
113	498621		
111	101.7	82.2	123.2
192	23.1	19.0	28.4

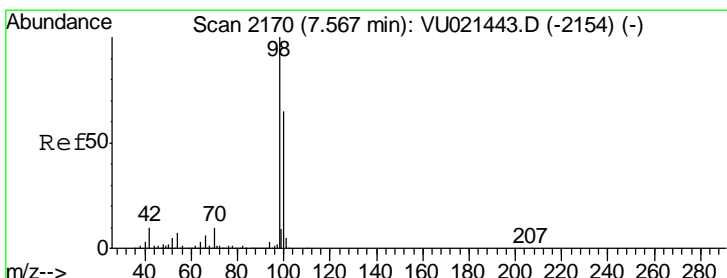
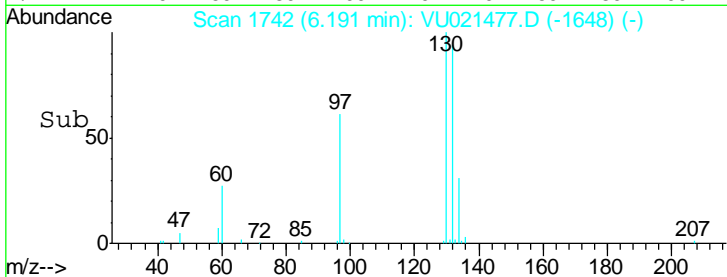
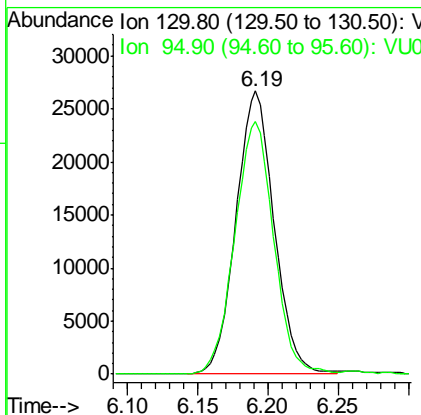
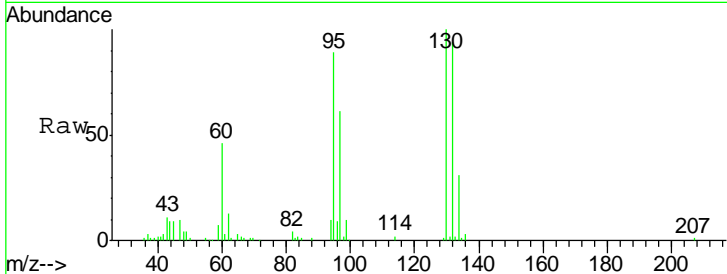




#44
 Trichloroethene
 Concen: 3.66 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU021477.D
 Acq: 04 Jan 2018 16:58

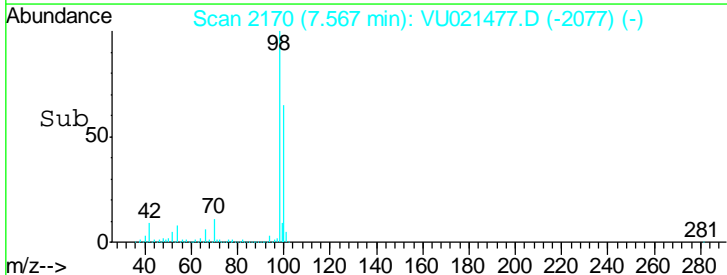
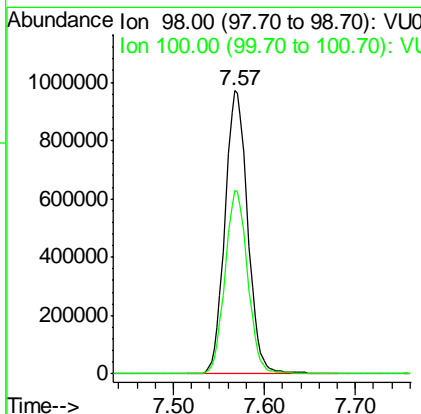
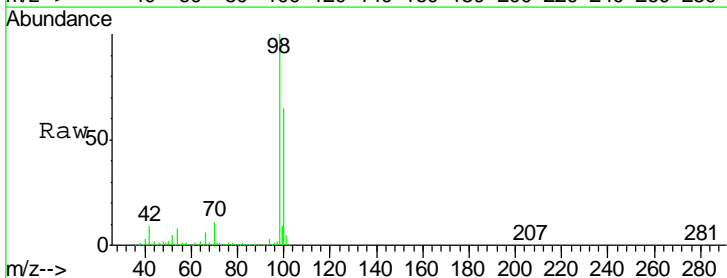
Instrument : MSVOA_U
 ClientSampleId : 923-MW-18(21.5)

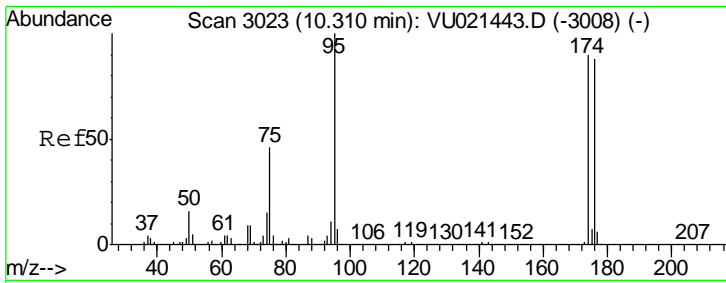
Tgt Ion	Resp	Lower	Upper
130	50633		
95	89.3	0.0	189.6



#50
 Toluene-d8
 Concen: 52.52 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU021477.D
 Acq: 04 Jan 2018 16:58

Tgt Ion	Resp	Lower	Upper
98	1692775		
100	64.6	51.8	77.8

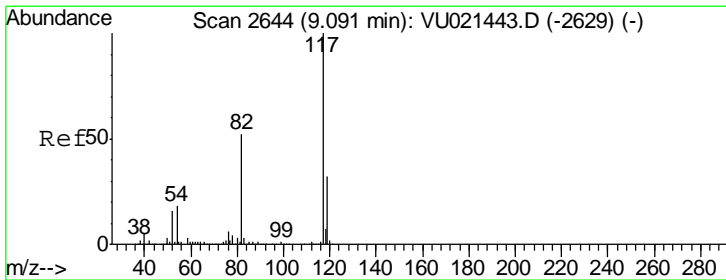
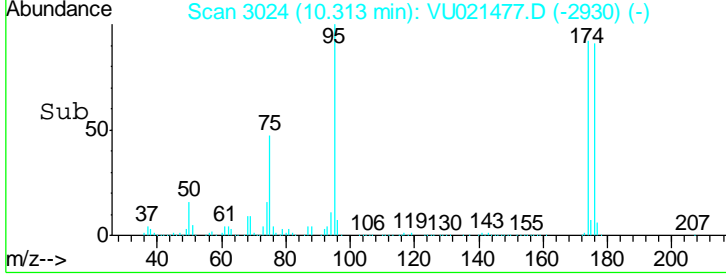
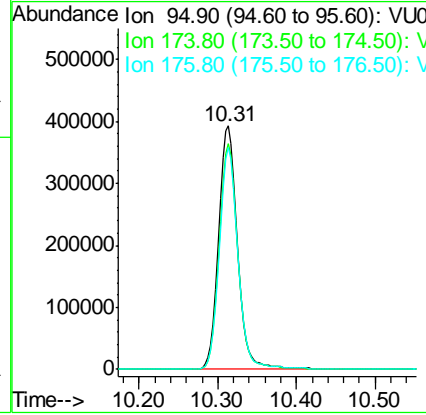
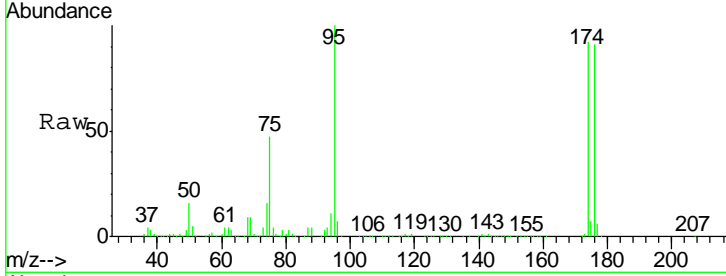




#62
 4-Bromofluorobenzene
 Concen: 43.28 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021477.D
 Acq: 04 Jan 2018 16:58

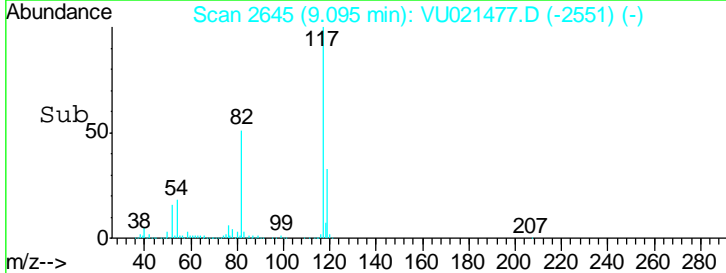
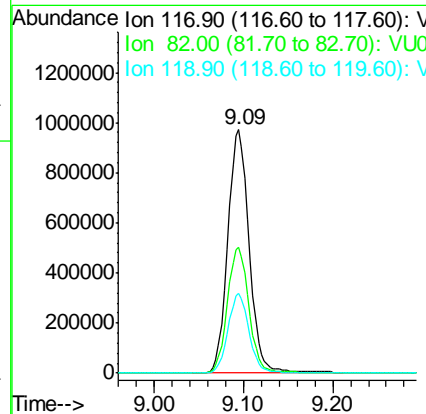
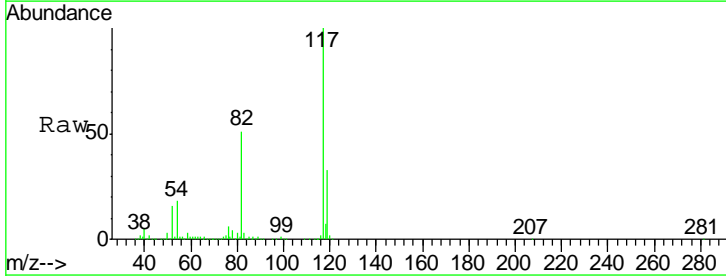
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 Client Sampled : 923-MW-18(21.5)

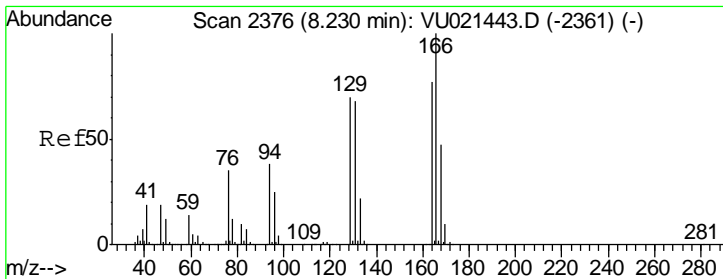
Tgt Ion	Resp	Lower	Upper
95	650016		
174	91.8	0.0	182.6
176	89.7	0.0	178.8



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021477.D
 Acq: 04 Jan 2018 16:58

Tgt Ion	Resp	Lower	Upper
117	1617387		
82	51.5	41.4	62.0
119	32.6	25.7	38.5

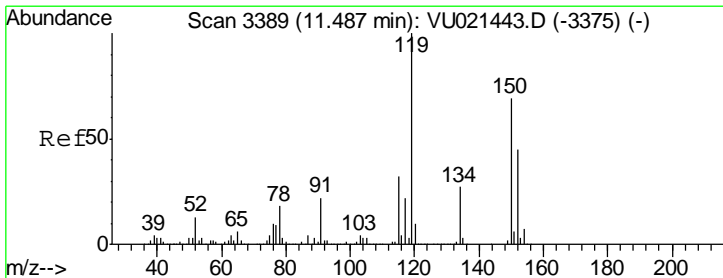
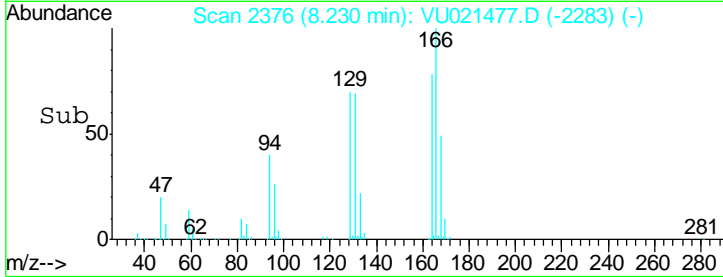
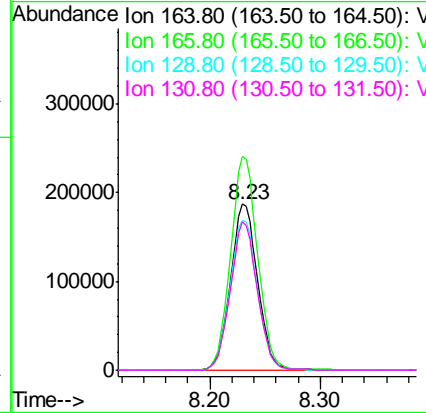
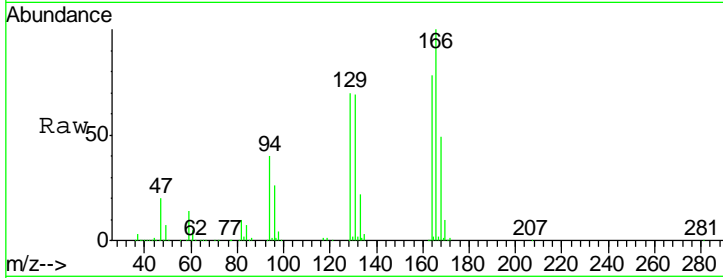




#64
 Tetrachloroethene
 Concen: 25.03 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU021477.D
 Acq: 04 Jan 2018 16:58

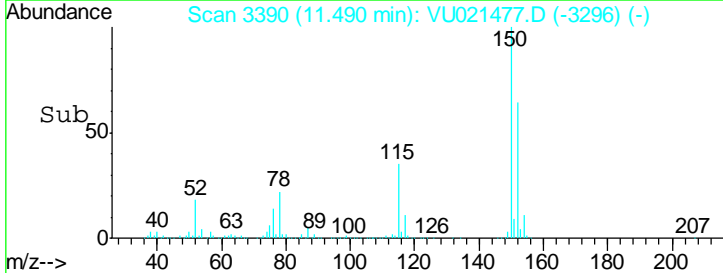
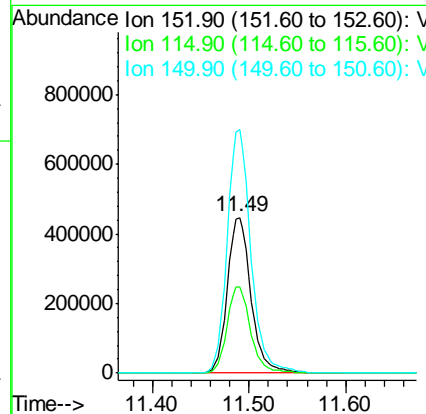
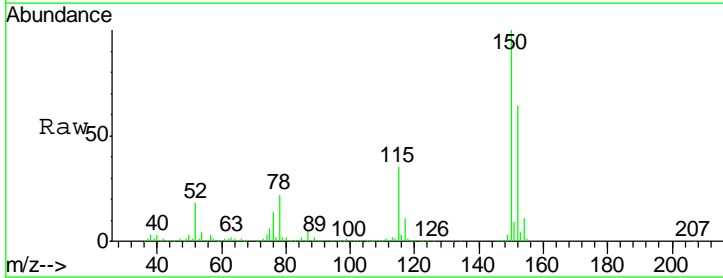
Instrument : MSVOA_U
 ClientSampleId : 923-MW-18(21.5)

Tgt Ion	Resp	Lower	Upper
164	100		
166	128.8	104.1	156.1
129	90.7	73.2	109.8
131	89.2	71.0	106.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021477.D
 Acq: 04 Jan 2018 16:58

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.2	38.0	114.1
150	156.9	0.0	343.2



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021477.D
 Acq On : 04 Jan 2018 16:58
 Operator : MD/SY
 Sample : I7090-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 923-MW-18(21.5)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	138	154	178	rBV	1108181	1620030	35.47%	5.211%
2	4.230	1116	1132	1150	rBV2	95894	242630	5.31%	0.781%
3	4.889	1319	1337	1352	rBV	724280	1638735	35.88%	5.272%
4	4.985	1352	1367	1395	rVB	1462427	3218369	70.47%	10.353%
5	5.317	1452	1470	1495	rBV	700950	1504616	32.95%	4.840%
6	5.889	1630	1648	1674	rBV	2041452	4038411	88.43%	12.991%
7	6.191	1730	1742	1756	rVB	137674	258683	5.66%	0.832%
8	7.567	2155	2170	2192	rBV	2419737	4247101	93.00%	13.663%
9	8.230	2363	2376	2399	rVB	1337397	2256700	49.42%	7.260%
10	9.095	2631	2645	2685	rBV	2727692	4566731	100.00%	14.691%
11	10.313	3007	3024	3063	rBV	1925282	3181018	69.66%	10.233%
12	11.490	3376	3390	3417	rBV	2530439	4312707	94.44%	13.874%

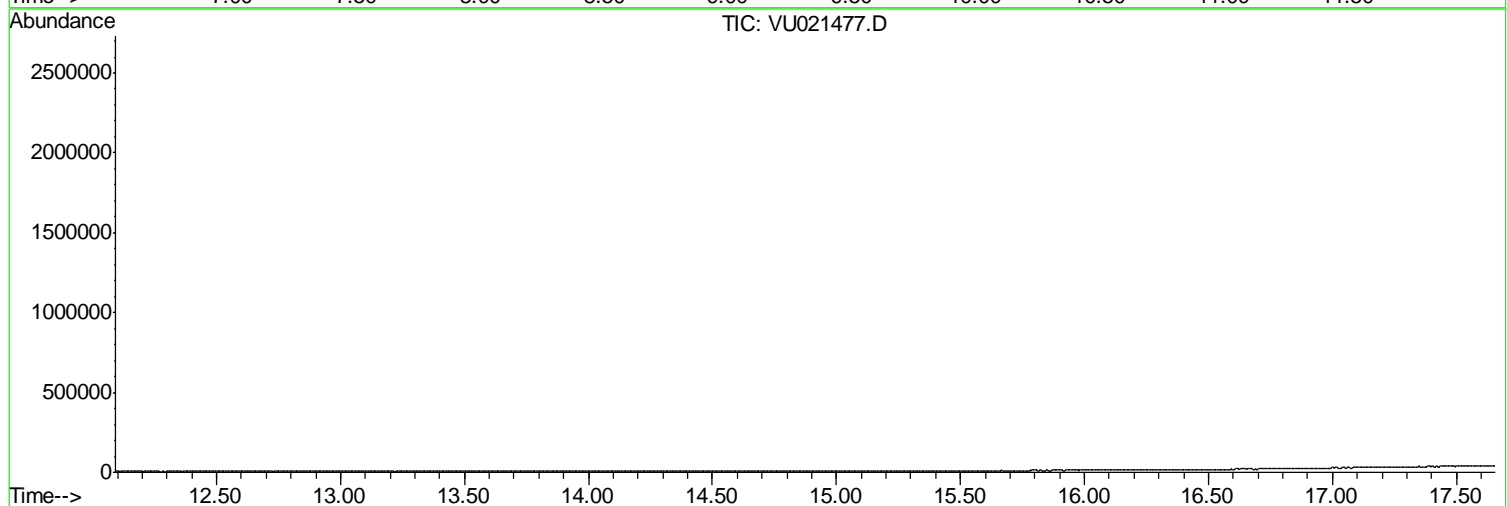
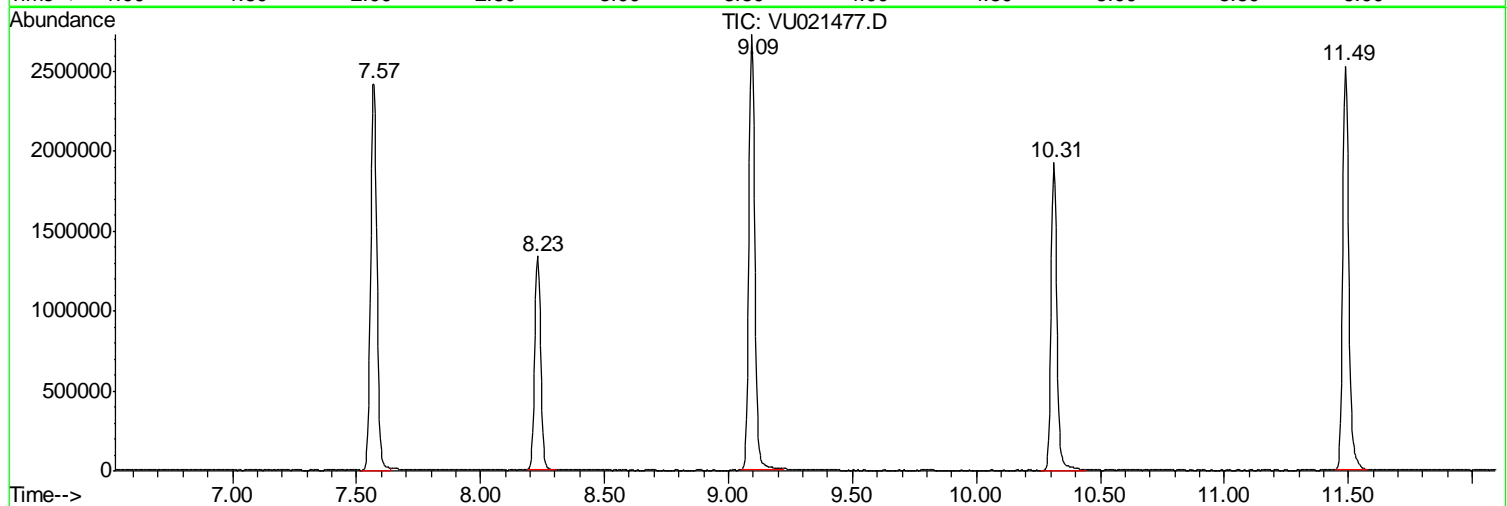
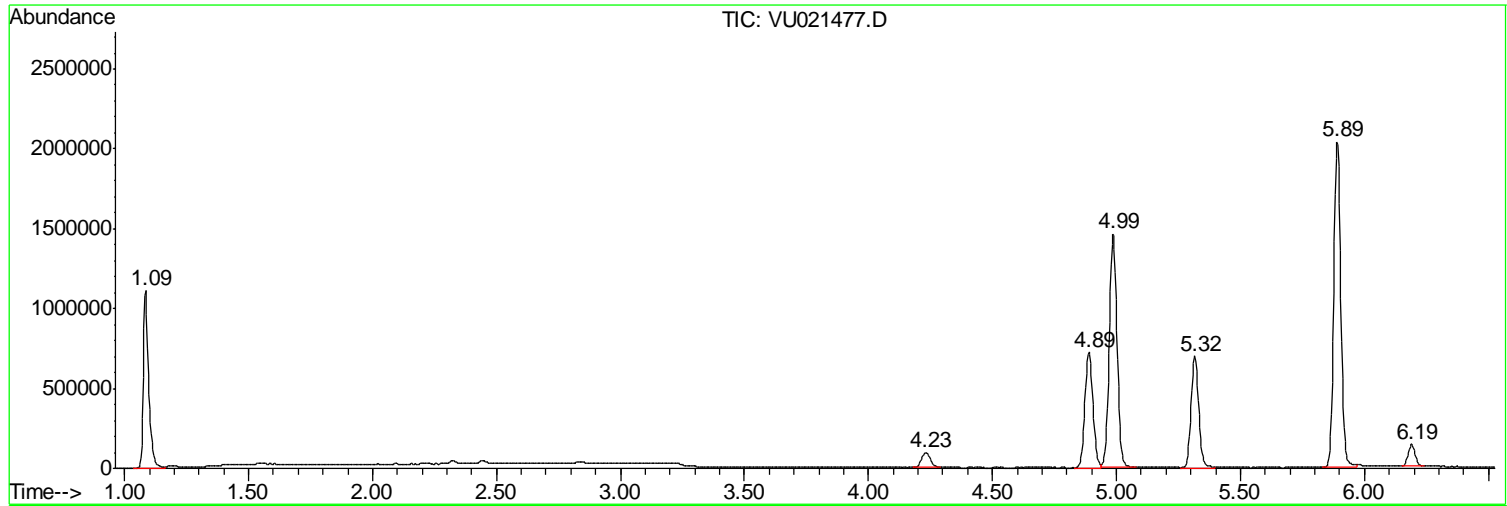
Sum of corrected areas: 31085731

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021477.D
Acq On : 04 Jan 2018 16:58
Operator : MD/SY
Sample : I7090-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
923-MW-18(21.5)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021477.D
Acq On : 04 Jan 2018 16:58
Operator : MD/SY
Sample : I7090-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
923-MW-18(21.5)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021477.D
Acq On : 04 Jan 2018 16:58
Operator : MD/SY
Sample : I7090-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
923-MW-18(21.5)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	924-MW-19(28)	SDG No.:	17090
Lab Sample ID:	I7090-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021483.D	1		01/04/18 19:38	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5.3		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.77	J	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	32		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	35.6		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	924-MW-19(28)	SDG No.:	17090
Lab Sample ID:	17090-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021483.D	1		01/04/18 19:38	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	160	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.2		61 - 141		110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	53.7		65 - 126		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		58 - 135		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1207220	4.99				
540-36-3	1,4-Difluorobenzene	1853970	5.89				
3114-55-4	Chlorobenzene-d5	1639300	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	756500	11.49				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	924-MW-19(28)	SDG No.:	17090
Lab Sample ID:	I7090-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021483.D	1		01/04/18 19:38	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021483.D
 Acq On : 04 Jan 2018 19:38
 Operator : MD/SY
 Sample : I7090-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 924-MW-19(28)

Quant Time: Jan 05 01:10:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1207219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1853966	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1639297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	756500	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	568896	55.23	ug/l	0.00
Spiked Amount						
						Recovery = 110.46%
35) Dibromofluoromethane	4.89	113	516331	50.31	ug/l	0.00
Spiked Amount						
						Recovery = 100.62%
50) Toluene-d8	7.57	98	1757267	53.71	ug/l	0.00
Spiked Amount						
						Recovery = 107.42%
62) 4-Bromofluorobenzene	10.31	95	673461	44.18	ug/l	0.00
Spiked Amount						
						Recovery = 88.36%

Target Compounds

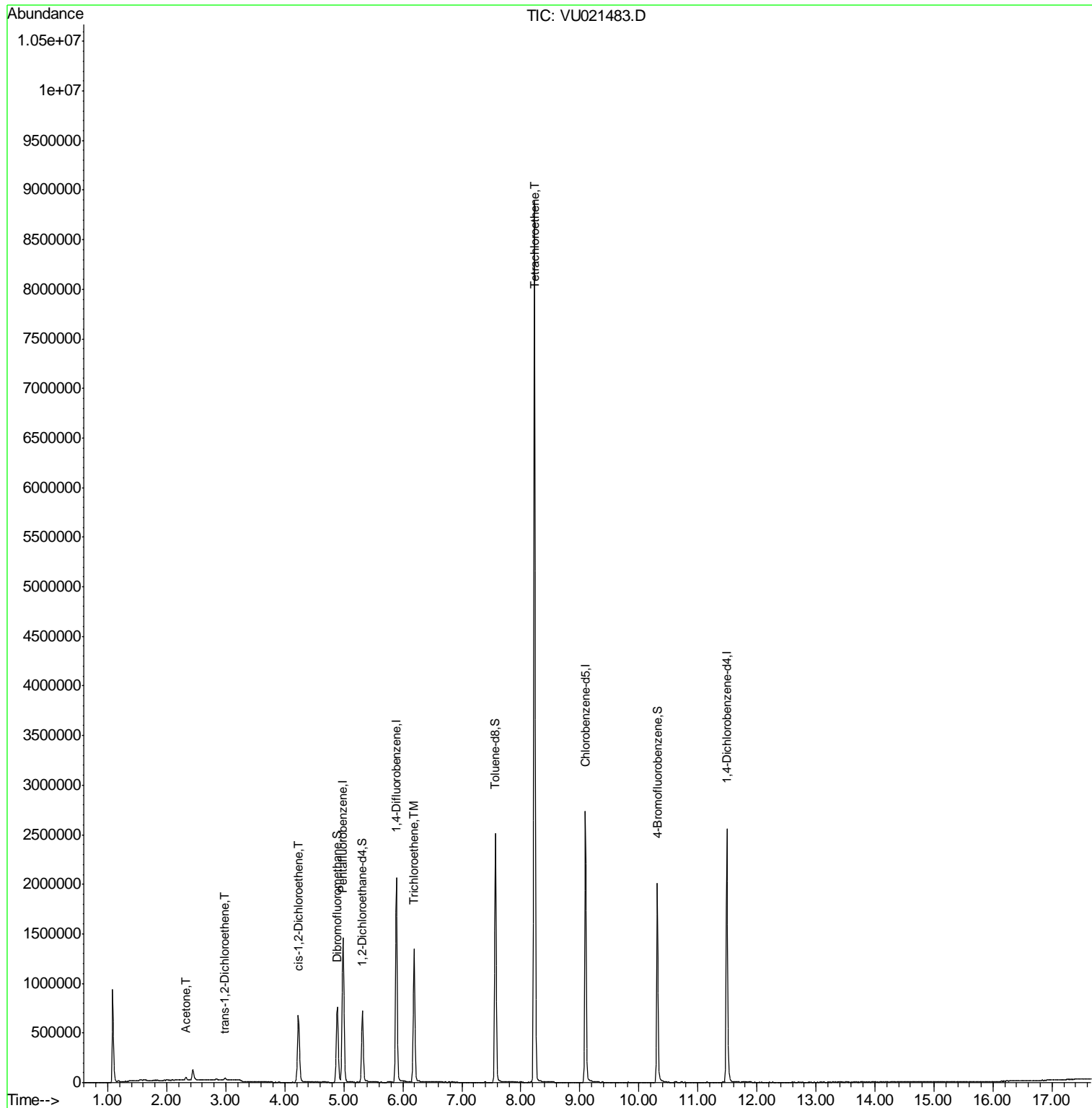
						Qvalue
16) Acetone	2.32	43	32259	5.27	ug/l	100
21) trans-1,2-Dichloroethene	2.99	96	8344	0.77	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	403390	31.96	ug/l	90
44) Trichloroethene	6.19	130	500002	35.57	ug/l	96
64) Tetrachloroethene	8.23	164	2119858	164.46	ug/l	99

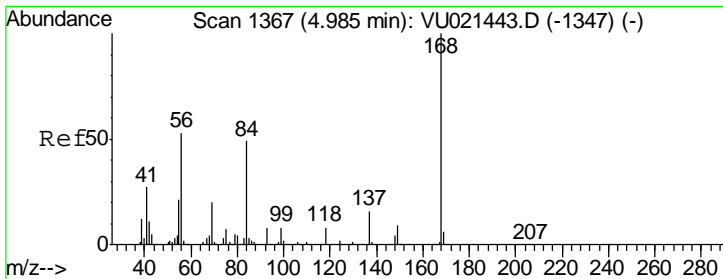
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021483.D
Acq On : 04 Jan 2018 19:38
Operator : MD/SY
Sample : I7090-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
924-MW-19(28)

Quant Time: Jan 05 01:10:55 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

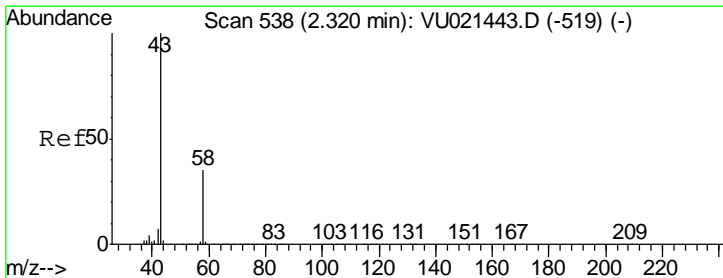
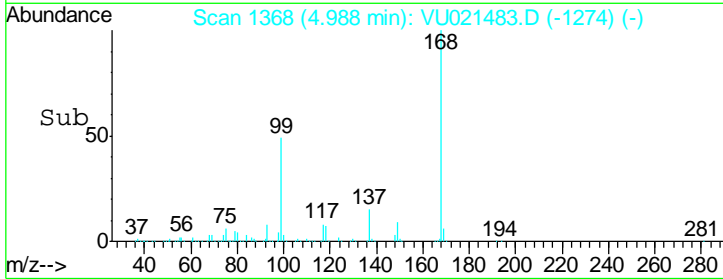
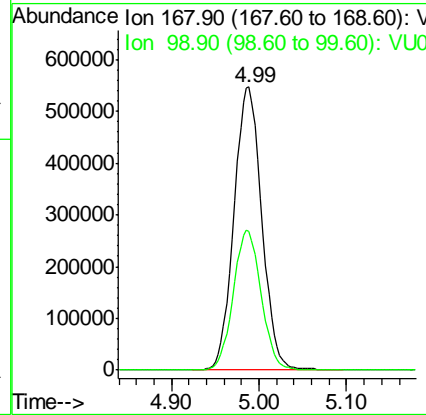
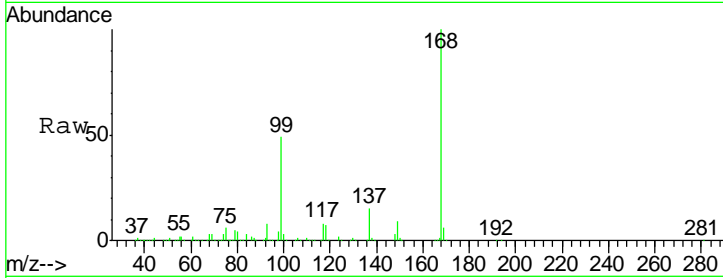




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

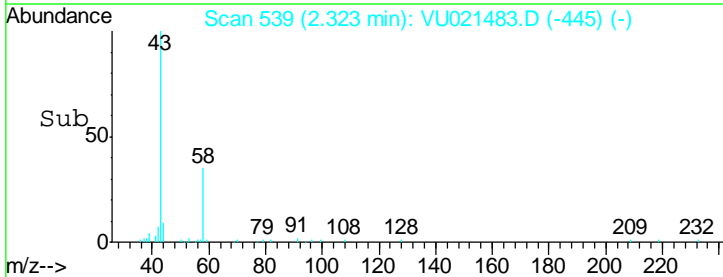
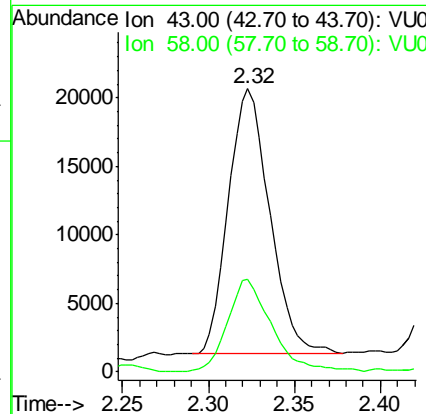
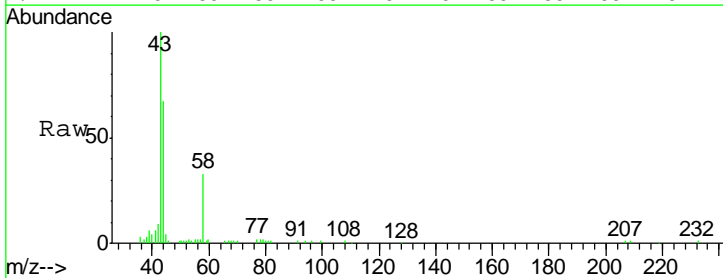
Instrument : MSVOA_U
 ClientSampleId : 924-MW-19(28)

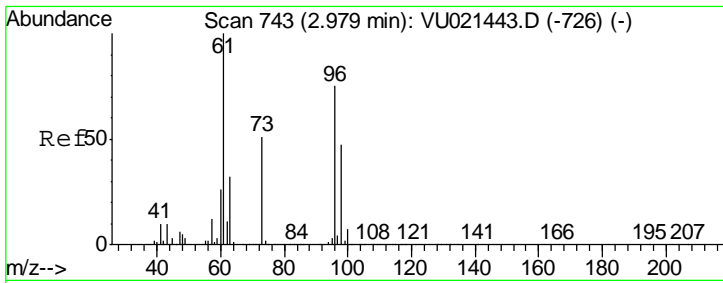
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.0	39.4	59.2



#16
 Acetone
 Concen: 5.27 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

Tgt Ion	Resp	Lower	Upper
43	100		
58	34.5	27.8	41.8

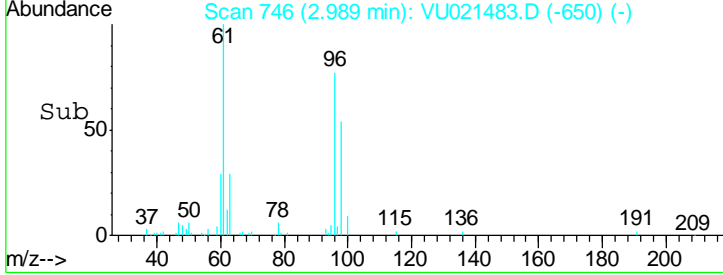
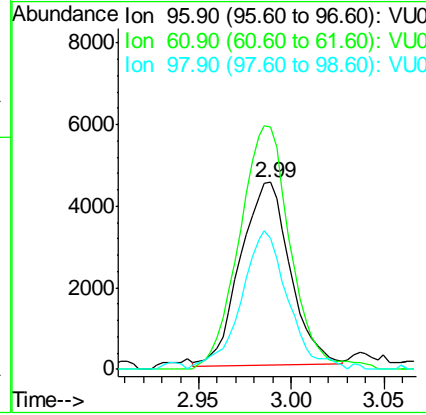
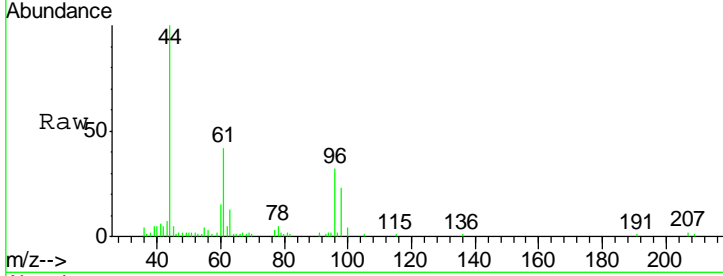




#21
 trans-1,2-Dichloroethene
 Concen: 0.77 ug/l
 RT: 2.99 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

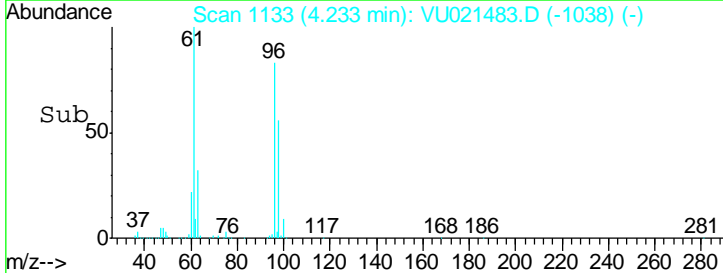
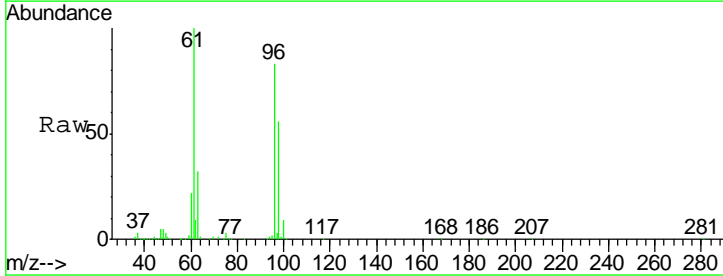
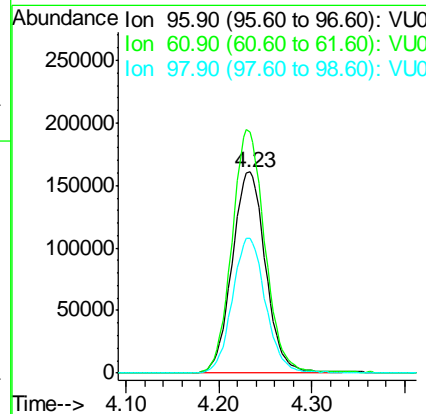
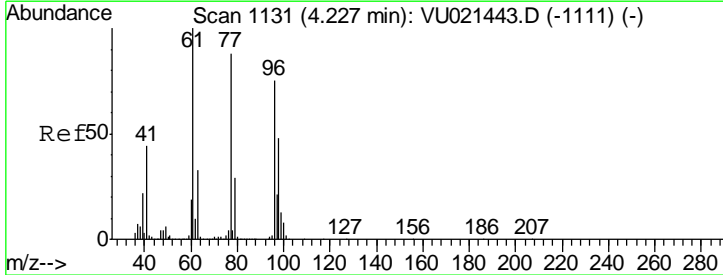
Instrument : MSVOA_U
 Client Sampled : 924-MW-19(28)

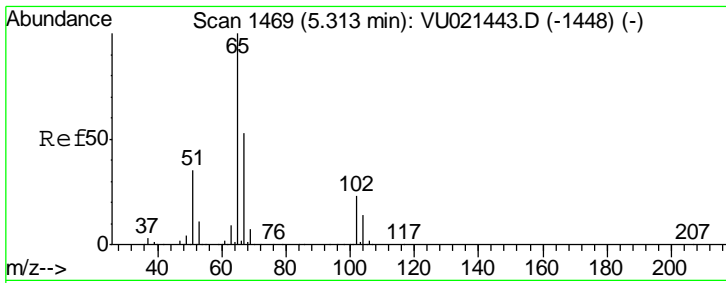
Tgt Ion	Resp	Lower	Upper
96	8344		
61	134.2	106.2	159.4
98	70.6	49.6	74.4



#27
 cis-1,2-Dichloroethene
 Concen: 31.96 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

Tgt Ion	Resp	Lower	Upper
96	403390		
61	119.0	0.0	270.2
98	66.4	0.0	128.2

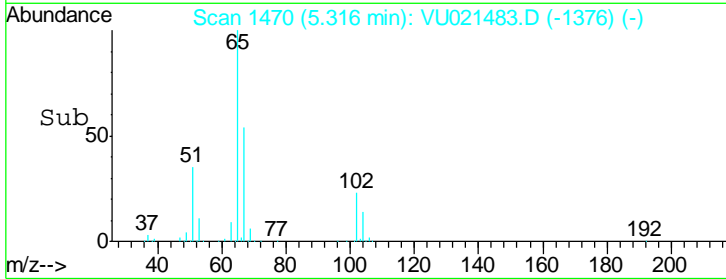
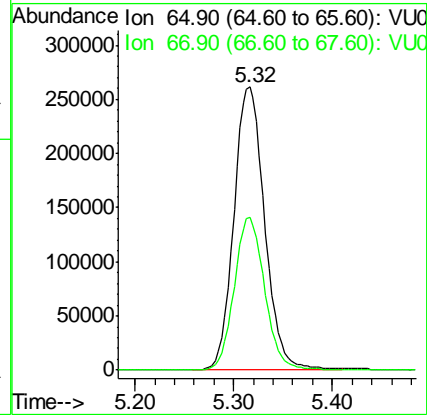
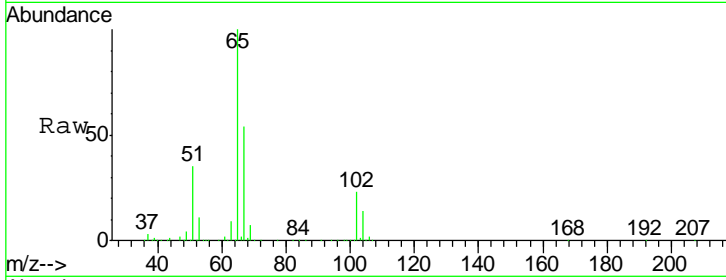




#33
 1,2-Dichloroethane-d4
 Concen: 55.23 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

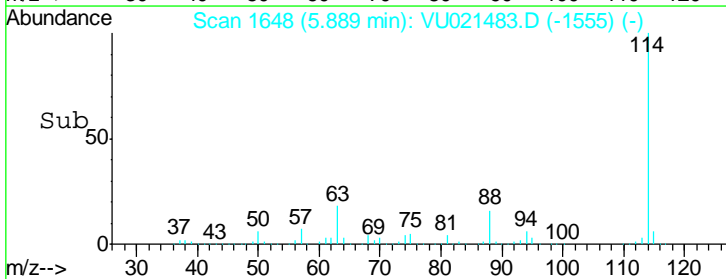
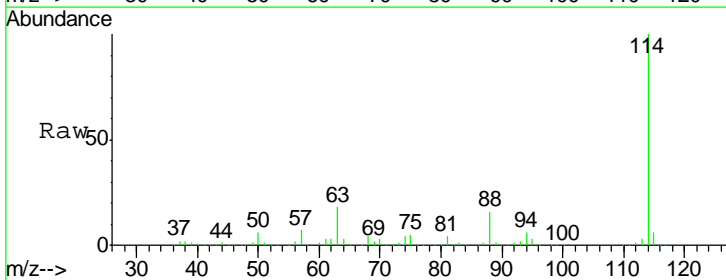
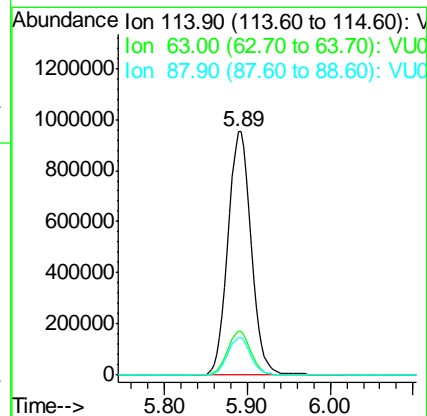
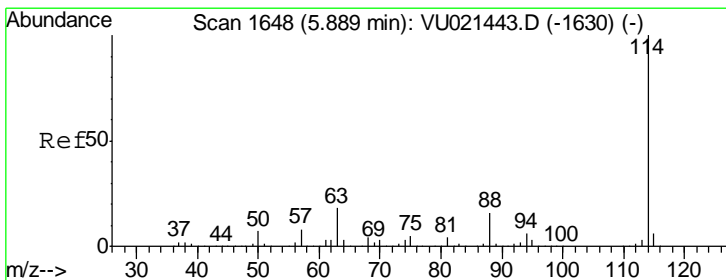
Instrument : MSVOA_U
 ClientSampleId : 924-MW-19(28)

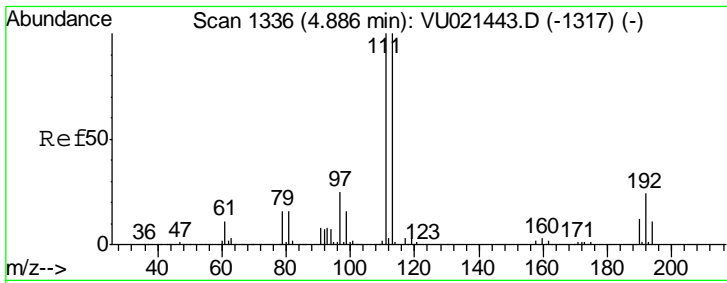
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.5	0.0	106.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.3	0.0	36.6
88	15.6	0.0	31.2

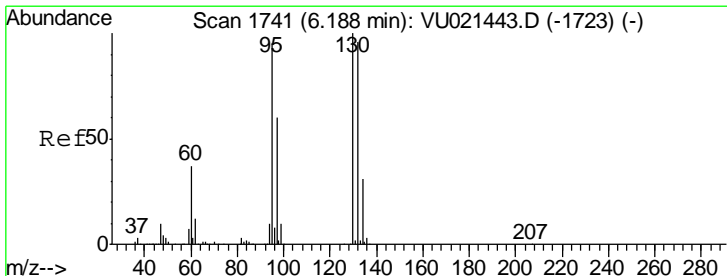
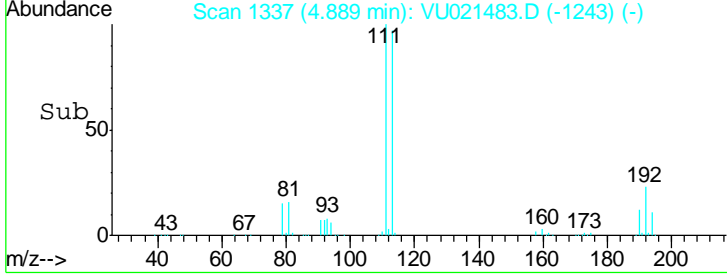
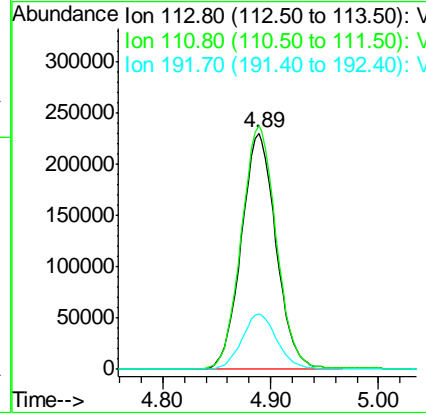
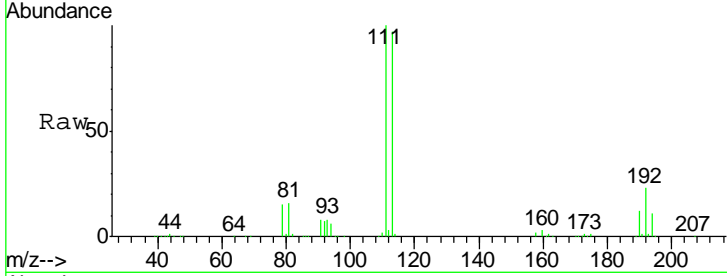




#35
 Dibromofluoromethane
 Concen: 50.31 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

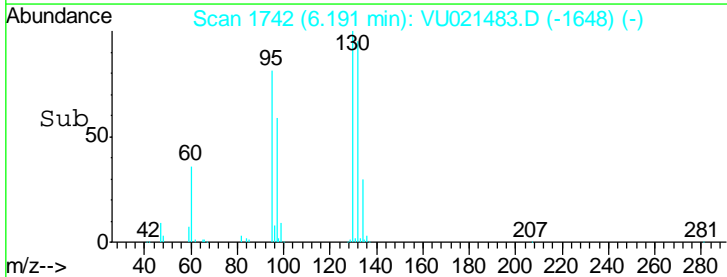
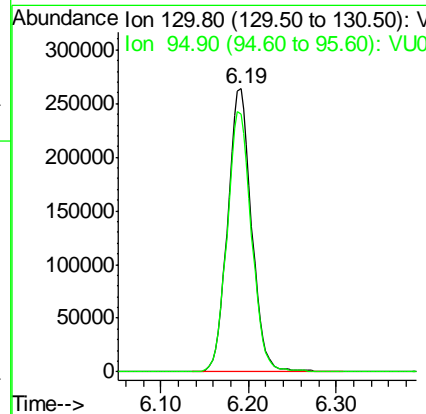
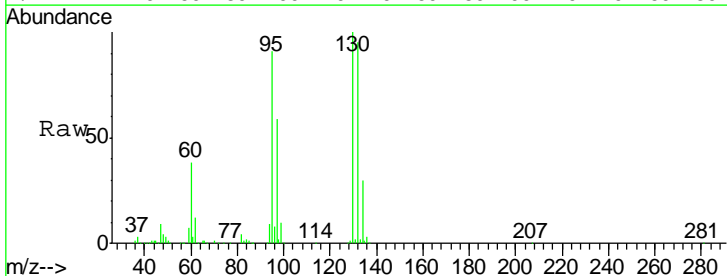
Instrument : MSVOA_U
 ClientSampleId : 924-MW-19(28)

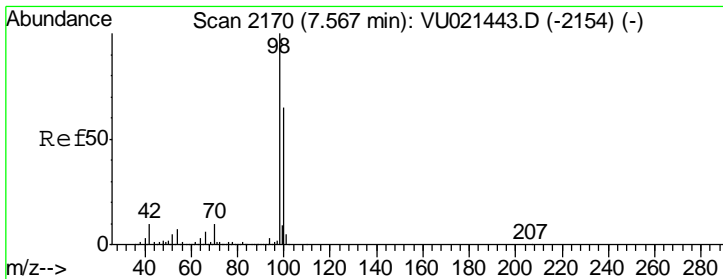
Tgt Ion	Resp	Lower	Upper
113	100		
111	104.0	82.2	123.2
192	23.6	19.0	28.4



#44
 Trichloroethene
 Concen: 35.57 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

Tgt Ion	Resp	Lower	Upper
130	100		
95	91.0	0.0	189.6

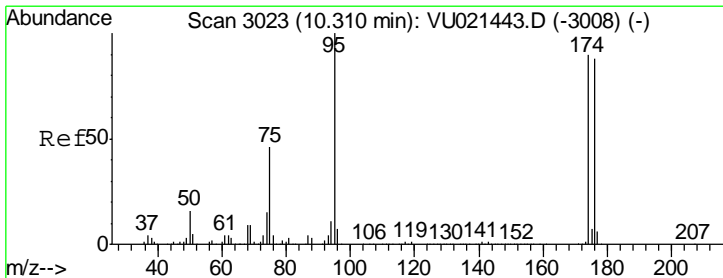
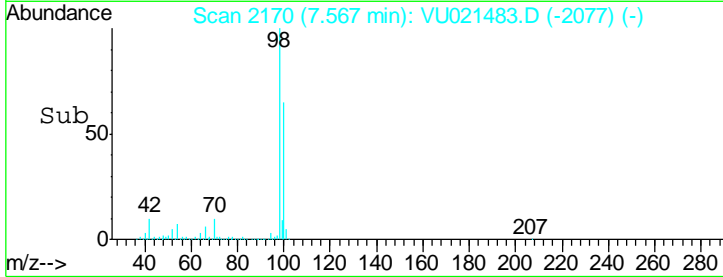
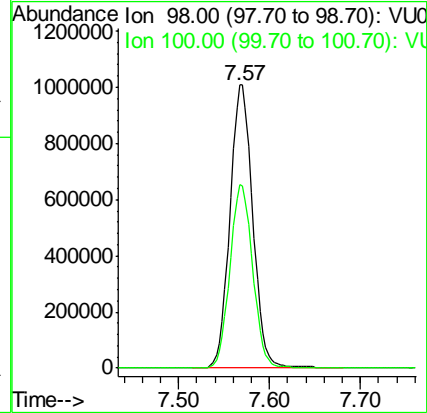
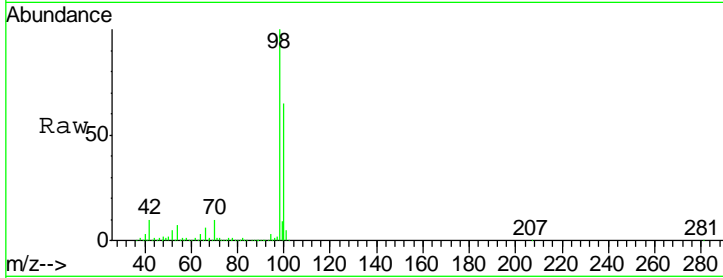




#50
 Toluene-d8
 Concen: 53.71 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

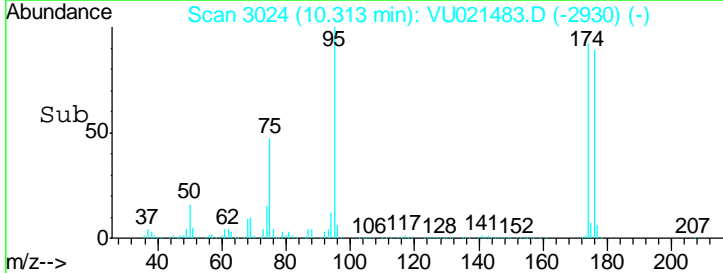
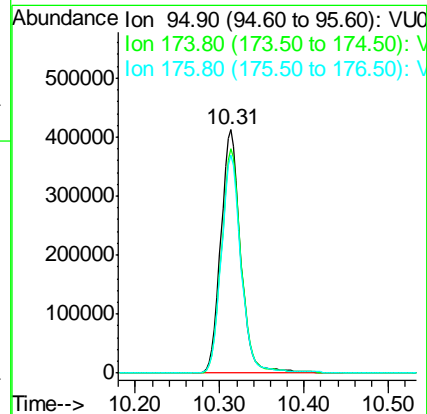
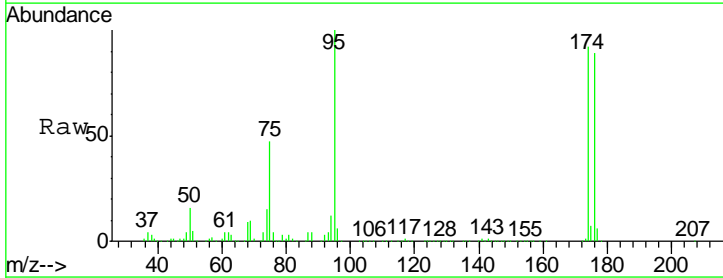
Instrument : MSVOA_U
 ClientSampled : 924-MW-19(28)

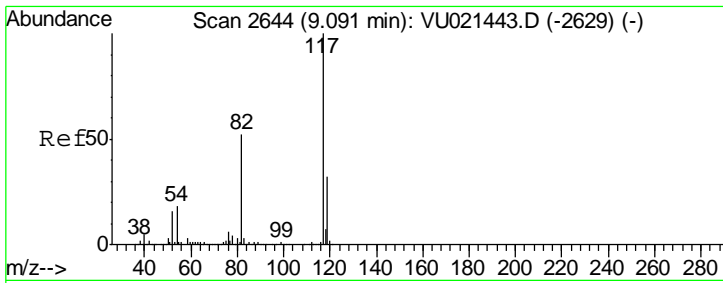
Tgt Ion	Resp	Lower	Upper
98	1757267		
98	100		
100	64.9	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 44.18 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

Tgt Ion	Resp	Lower	Upper
95	673461		
95	100		
174	92.0	0.0	182.6
176	89.1	0.0	178.8



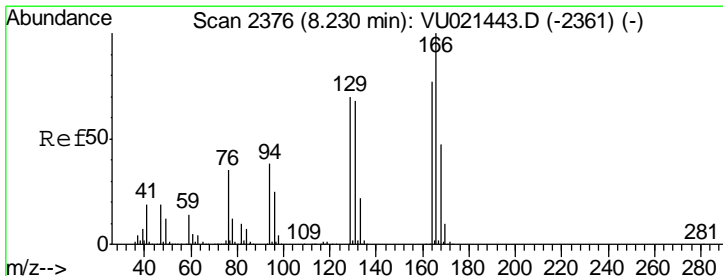
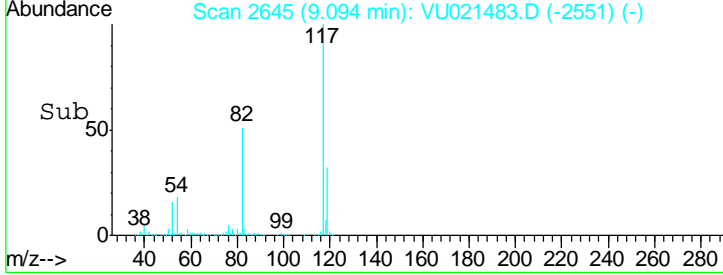
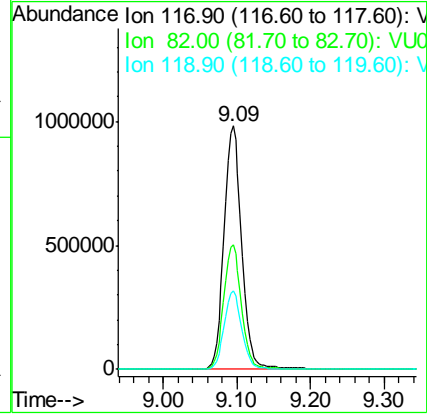
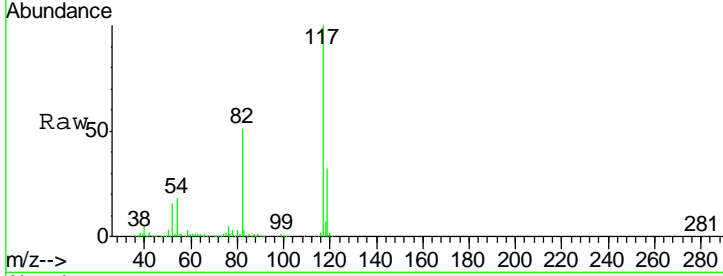


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

Instrument : MSVOA_U
 Client Sampled : 924-MW-19(28)

Tgt Ion: 117 Resp: 1639297

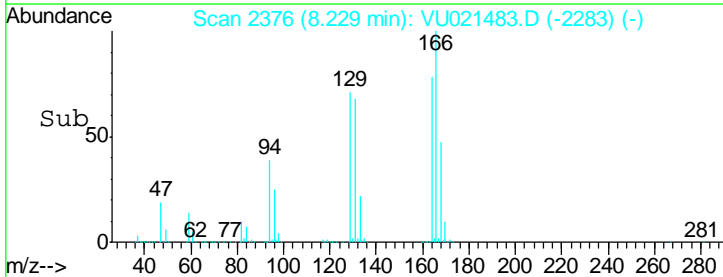
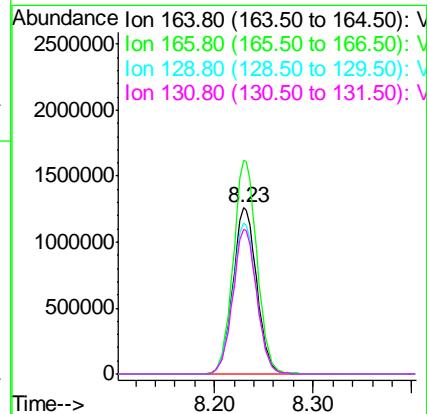
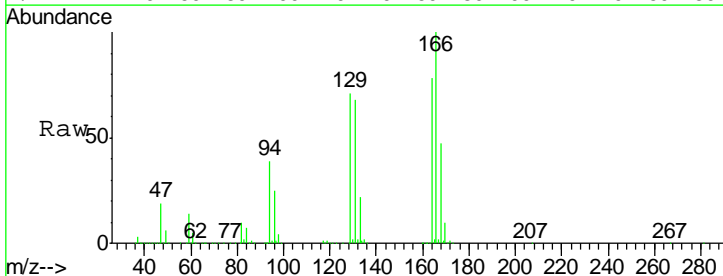
Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.4	62.0
119	32.3	25.7	38.5

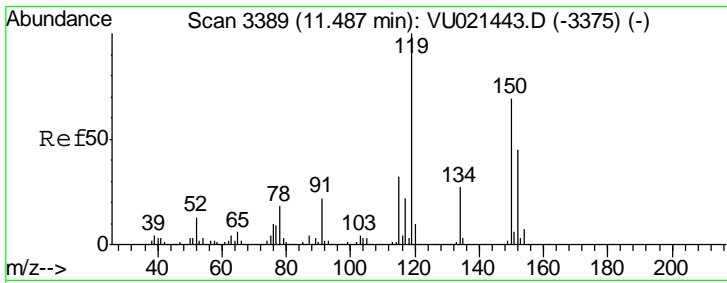


#64
 Tetrachloroethene
 Concen: 164.46 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

Tgt Ion: 164 Resp: 2119858

Ion	Ratio	Lower	Upper
164	100		
166	128.6	104.1	156.1
129	90.7	73.2	109.8
131	87.2	71.0	106.6

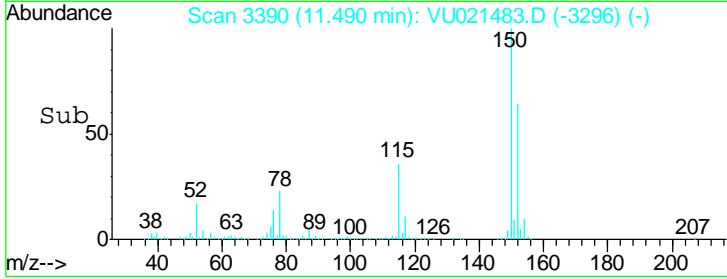
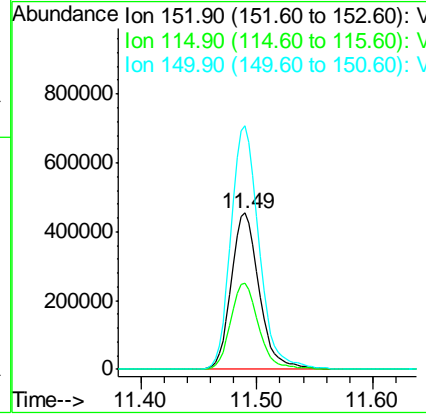
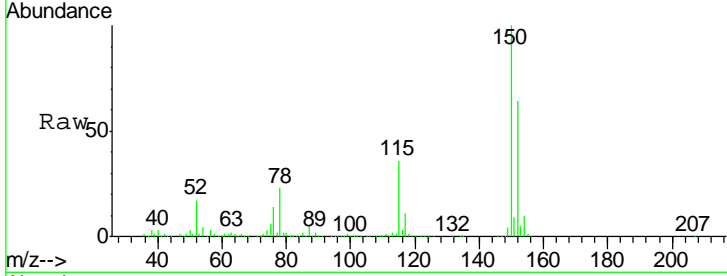




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021483.D
 Acq: 04 Jan 2018 19:38

Instrument : MSVOA_U
 ClientSampled : 924-MW-19(28)

Tot Ion	Resp	Lower	Upper
152	100		
115	55.2	38.0	114.1
150	156.6	0.0	343.2



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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021483.D
 Acq On : 04 Jan 2018 19:38
 Operator : MD/SY
 Sample : I7090-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 924-MW-19(28)

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	140	154	178	rBV	942248	1367552	9.09%	2.851%
2	2.442	566	576	595	rBV	102612	201127	1.34%	0.419%
3	4.230	1113	1132	1169	rBV	672793	1694490	11.27%	3.532%
4	4.889	1319	1337	1352	rBV	760100	1706101	11.35%	3.556%
5	4.985	1352	1367	1391	rVB	1449776	3212717	21.36%	6.697%
6	5.316	1453	1470	1490	rBV	719857	1546447	10.28%	3.223%
7	5.889	1631	1648	1669	rBV	2065377	4034074	26.83%	8.409%
8	6.191	1727	1742	1773	rBV	1336880	2590628	17.23%	5.400%
9	7.567	2155	2170	2199	rBV	2508286	4435912	29.50%	9.246%
10	8.229	2352	2376	2403	rBV	8887532	15037805	100.00%	31.345%
11	9.094	2631	2645	2682	rBV	2733331	4589323	30.52%	9.566%
12	10.313	3010	3024	3051	rBV	2011387	3265665	21.72%	6.807%
13	11.490	3376	3390	3423	rBV	2558776	4293433	28.55%	8.949%

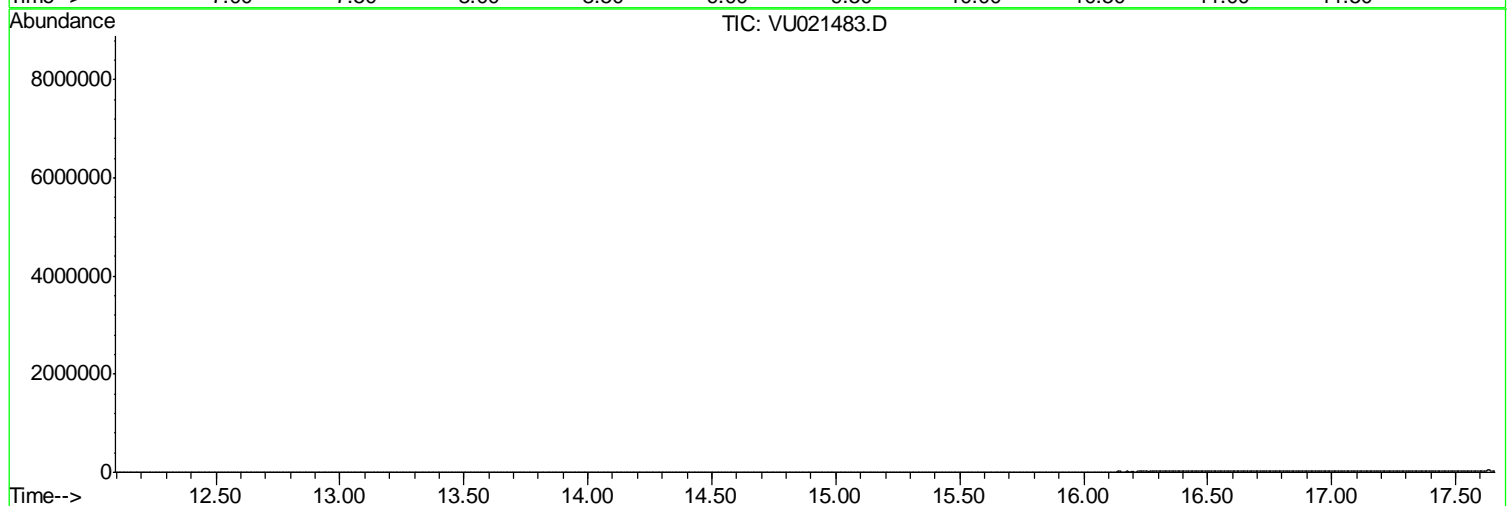
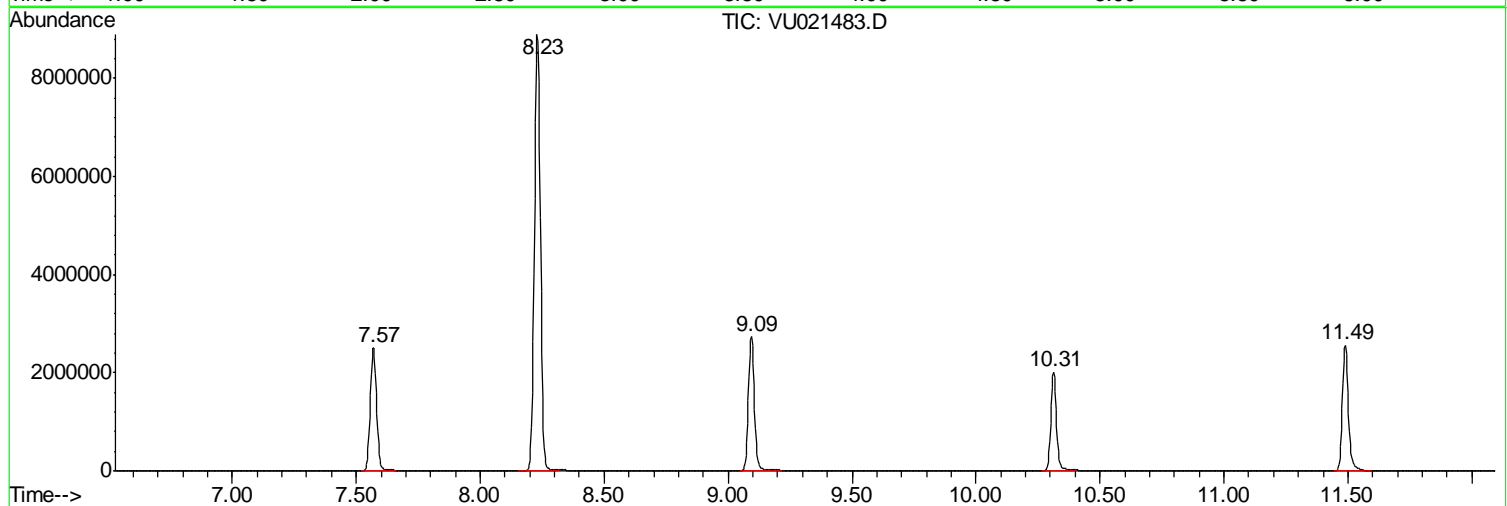
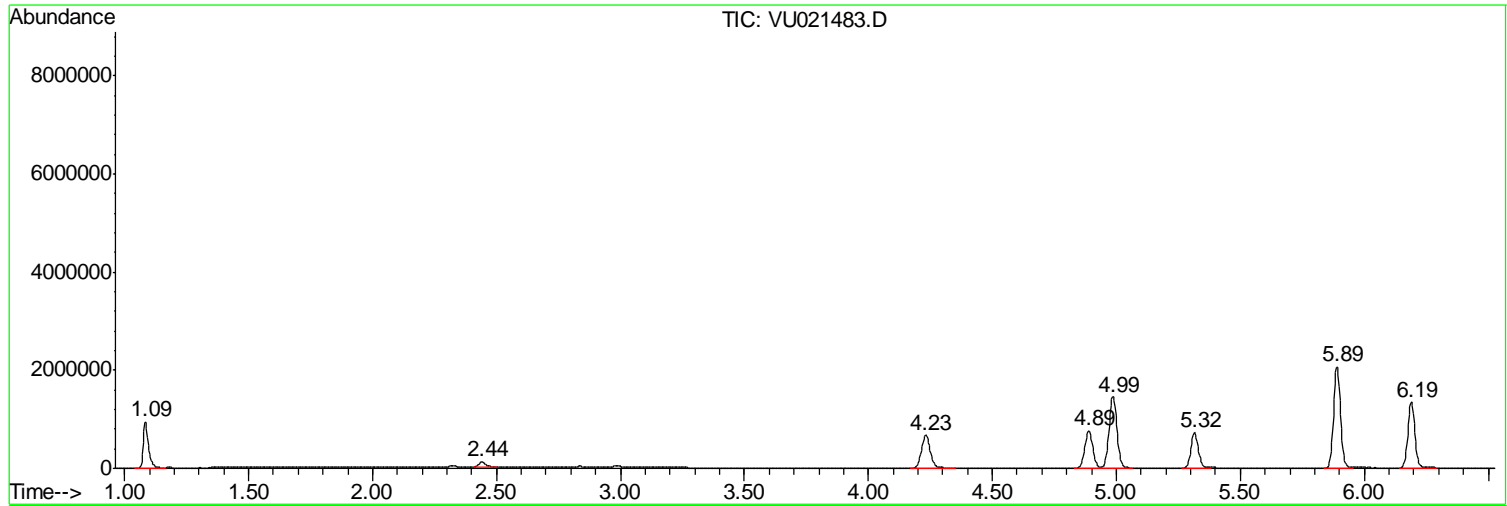
Sum of corrected areas: 47975274

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021483.D
Acq On : 04 Jan 2018 19:38
Operator : MD/SY
Sample : I7090-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
924-MW-19(28)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021483.D
Acq On : 04 Jan 2018 19:38
Operator : MD/SY
Sample : I7090-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
924-MW-19(28)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021483.D
Acq On : 04 Jan 2018 19:38
Operator : MD/SY
Sample : I7090-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
924-MW-19(28)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	924-MW-19(28)DL	SDG No.:	17090
Lab Sample ID:	I7090-15DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021484.D	5		01/04/18 20:05	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5	UD	1	1	5	ug/L
74-87-3	Chloromethane	5	UD	1	1	5	ug/L
75-01-4	Vinyl Chloride	5	UD	1	1	5	ug/L
74-83-9	Bromomethane	5	UD	1	1	5	ug/L
75-00-3	Chloroethane	5	UD	1	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	5	UD	1	1	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5	UD	1	1	5	ug/L
75-35-4	1,1-Dichloroethene	5	UD	1	1	5	ug/L
67-64-1	Acetone	25	UD	2.5	5	25	ug/L
75-15-0	Carbon Disulfide	5	UD	1	1	5	ug/L
1634-04-4	Methyl tert-butyl Ether	5	UD	1.8	2.5	5	ug/L
79-20-9	Methyl Acetate	5	UD	1	2.5	5	ug/L
75-09-2	Methylene Chloride	5	UD	1	1	5	ug/L
156-60-5	trans-1,2-Dichloroethene	5	UD	1	1	5	ug/L
75-34-3	1,1-Dichloroethane	5	UD	1	1	5	ug/L
110-82-7	Cyclohexane	5	UD	1	1	5	ug/L
78-93-3	2-Butanone	25	UD	6.6	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	5	UD	1	1	5	ug/L
156-59-2	cis-1,2-Dichloroethene	31	D	1	1	5	ug/L
74-97-5	Bromochloromethane	5	UD	1	2.5	5	ug/L
67-66-3	Chloroform	5	UD	1	1	5	ug/L
71-55-6	1,1,1-Trichloroethane	5	UD	1	1	5	ug/L
108-87-2	Methylcyclohexane	5	UD	1	1	5	ug/L
71-43-2	Benzene	5	UD	1	1	5	ug/L
107-06-2	1,2-Dichloroethane	5	UD	1	1	5	ug/L
79-01-6	Trichloroethene	34	D	1	1	5	ug/L
78-87-5	1,2-Dichloropropane	5	UD	1	1	5	ug/L
75-27-4	Bromodichloromethane	5	UD	1	1	5	ug/L
108-10-1	4-Methyl-2-Pentanone	25	UD	5	5	25	ug/L
108-88-3	Toluene	5	UD	1	1	5	ug/L
10061-02-6	t-1,3-Dichloropropene	5	UD	1	1	5	ug/L
10061-01-5	cis-1,3-Dichloropropene	5	UD	1	1	5	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	924-MW-19(28)DL	SDG No.:	17090
Lab Sample ID:	I7090-15DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021484.D	5		01/04/18 20:05	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	UD	1	1	5	ug/L
591-78-6	2-Hexanone	25	UD	9.7	12.5	25	ug/L
124-48-1	Dibromochloromethane	5	UD	1	1	5	ug/L
106-93-4	1,2-Dibromoethane	5	UD	1	1	5	ug/L
127-18-4	Tetrachloroethene	150	D	1	1	5	ug/L
108-90-7	Chlorobenzene	5	UD	1	1	5	ug/L
100-41-4	Ethyl Benzene	5	UD	1	1	5	ug/L
179601-23-1	m/p-Xylenes	10	UD	2	2	10	ug/L
95-47-6	o-Xylene	5	UD	1	1	5	ug/L
100-42-5	Styrene	5	UD	1	1	5	ug/L
75-25-2	Bromoform	5	UD	1	1	5	ug/L
98-82-8	Isopropylbenzene	5	UD	1	1	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5	UD	1	1	5	ug/L
541-73-1	1,3-Dichlorobenzene	5	UD	1	1	5	ug/L
106-46-7	1,4-Dichlorobenzene	5	UD	1	1	5	ug/L
95-50-1	1,2-Dichlorobenzene	5	UD	1	1	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5	UD	1	1	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	5	UD	1	1	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	5	UD	1	1	5	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		61 - 141		103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		69 - 133		96%	SPK: 50
2037-26-5	Toluene-d8	50.9		65 - 126		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.3		58 - 135		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1278060	4.99				
540-36-3	1,4-Difluorobenzene	1908810	5.89				
3114-55-4	Chlorobenzene-d5	1680330	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	782424	11.49				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	924-MW-19(28)DL	SDG No.:	17090
Lab Sample ID:	I7090-15DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021484.D	5		01/04/18 20:05	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021484.D
 Acq On : 04 Jan 2018 20:05
 Operator : MD/SY
 Sample : I7090-15DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 924-MW-19(28)DL

Quant Time: Jan 05 01:15:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

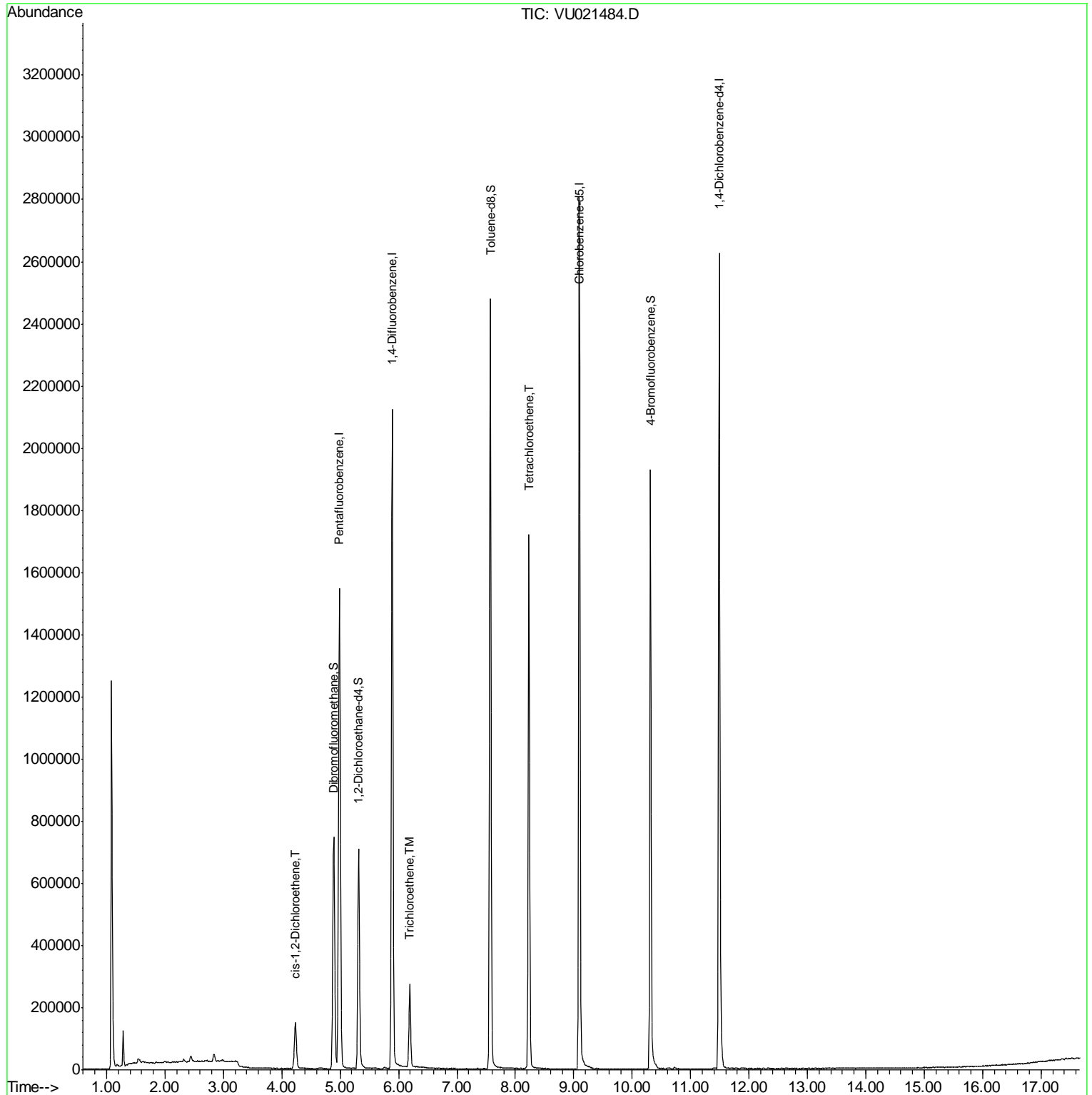
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1278062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1908810	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1680327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	782424	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	560733	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	4.89	113	508670	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	7.57	98	1715237	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	10.31	95	648705	41.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.66%	
Target Compounds						
27) cis-1,2-Dichloroethene	4.23	96	82694	6.19	ug/l	90
44) Trichloroethene	6.19	130	98252	6.79	ug/l	96
64) Tetrachloroethene	8.23	164	406556	30.77	ug/l	99

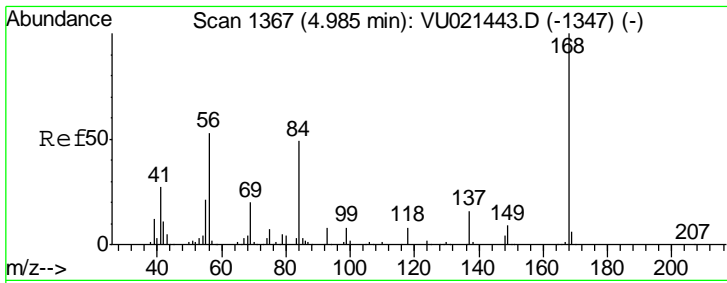
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021484.D
Acq On : 04 Jan 2018 20:05
Operator : MD/SY
Sample : I7090-15DL 5X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
924-MW-19(28)DL

Quant Time: Jan 05 01:15:49 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

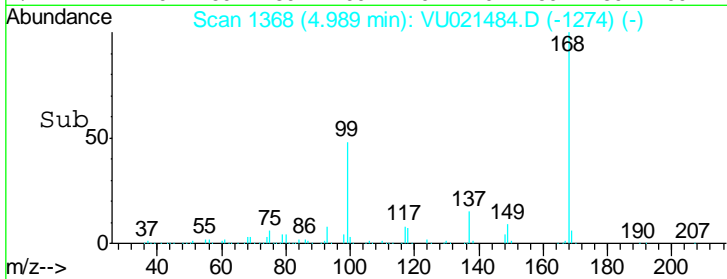
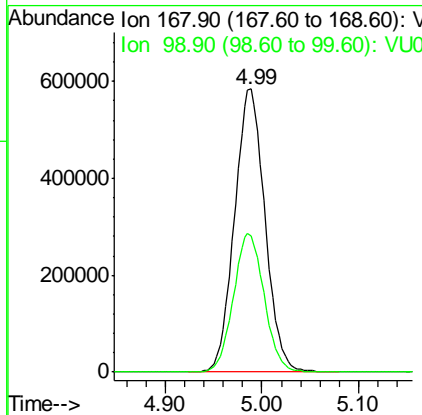
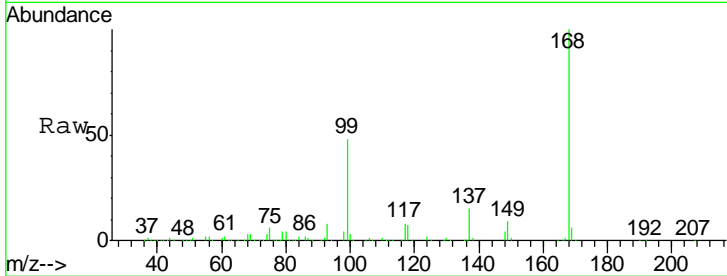




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU021484.D
 Acq: 04 Jan 2018 20:05

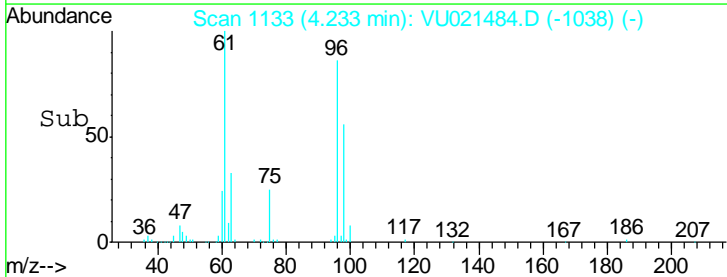
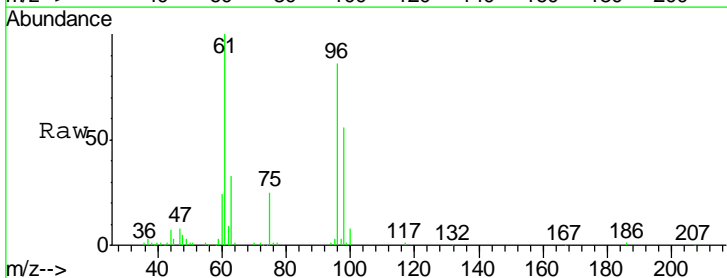
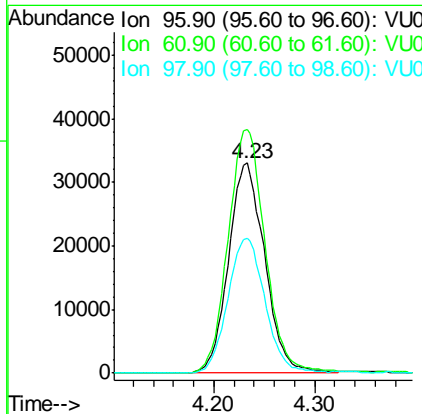
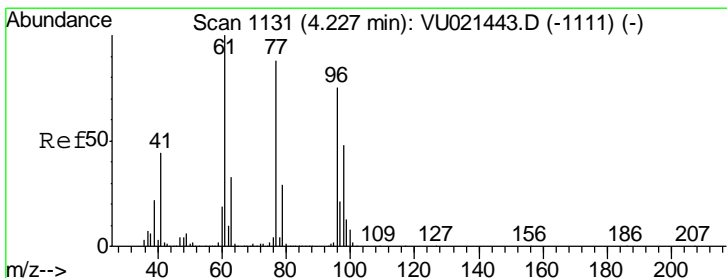
Instrument : MSVOA_U
 ClientSampleId : 924-MW-19(28)DL

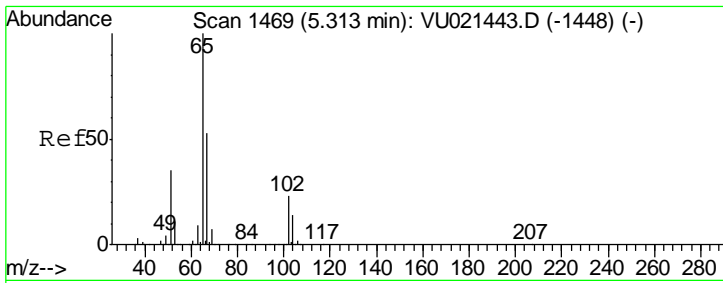
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.0	39.4	59.2



#27
 cis-1,2-Dichloroethene
 Concen: 6.19 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: VU021484.D
 Acq: 04 Jan 2018 20:05

Tgt Ion	Resp	Lower	Upper
96	100		
61	118.3	0.0	270.2
98	65.8	0.0	128.2

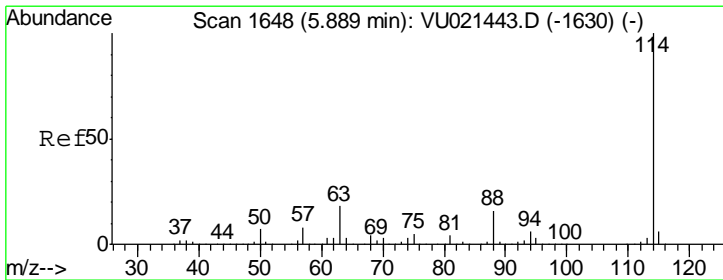
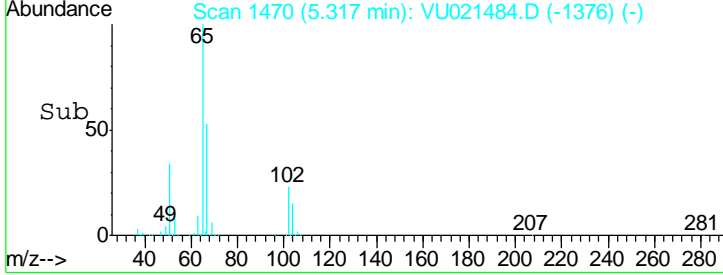
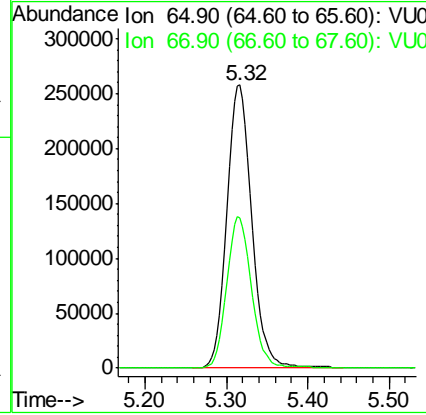
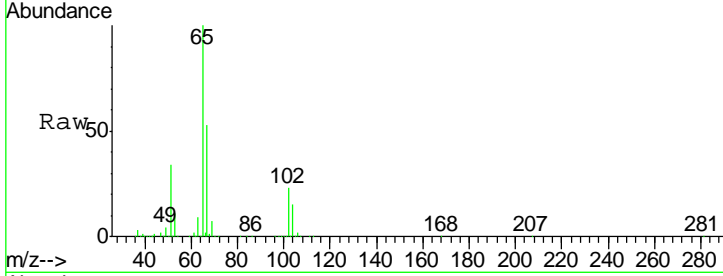




#33
 1,2-Dichloroethane-d4
 Concen: 51.42 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021484.D
 Acq: 04 Jan 2018 20:05

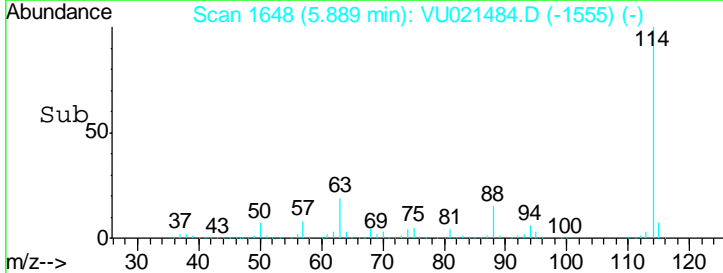
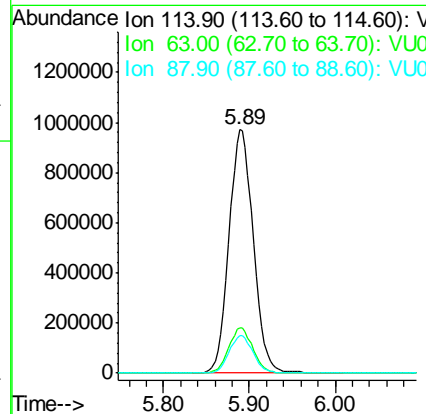
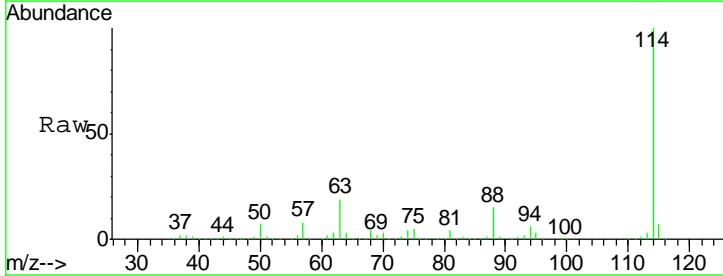
Instrument : MSVOA_U
 ClientSampleId : 924-MW-19(28)DL

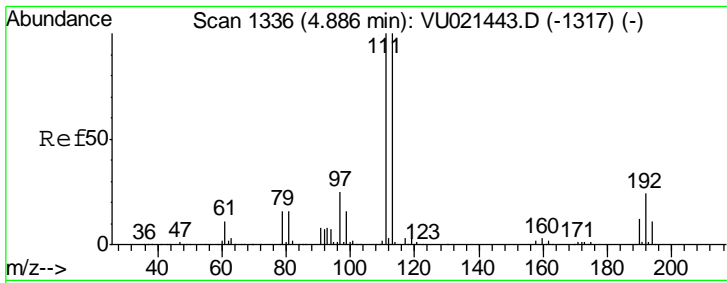
Tgt Ion	Resp	Lower	Upper
65	100		
67	52.7	0.0	106.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU021484.D
 Acq: 04 Jan 2018 20:05

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.8	0.0	36.6
88	15.4	0.0	31.2

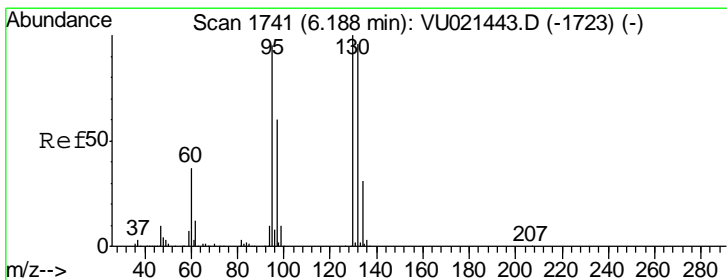
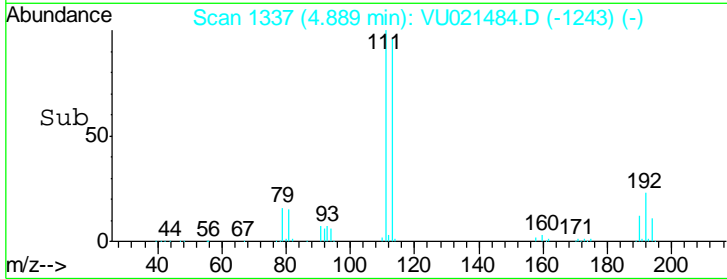
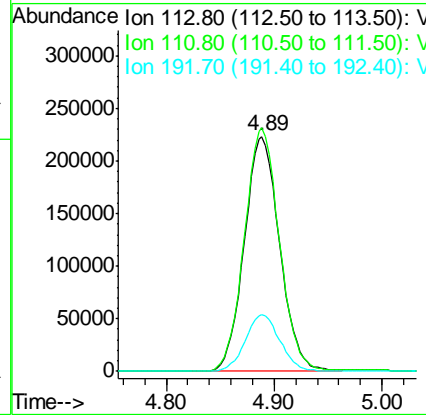
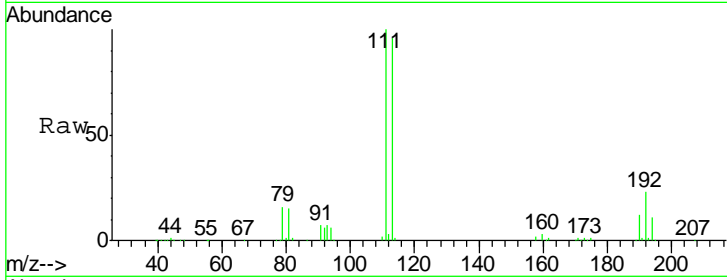




#35
 Dibromofluoromethane
 Concen: 48.14 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021484.D
 Acq: 04 Jan 2018 20:05

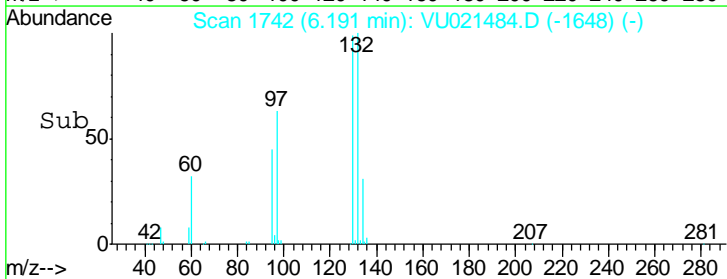
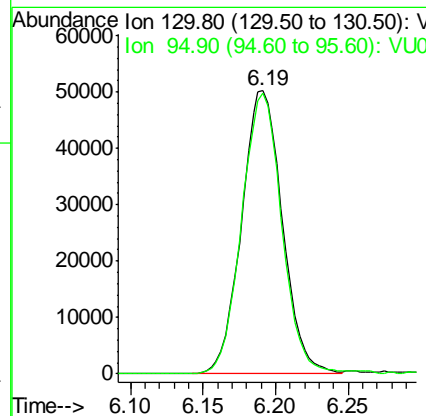
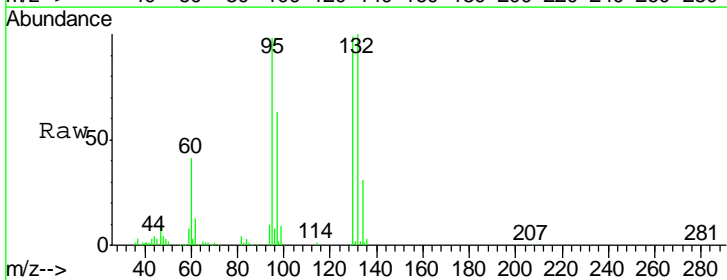
Instrument : MSVOA_U
 ClientSampled : 924-MW-19(28)DL

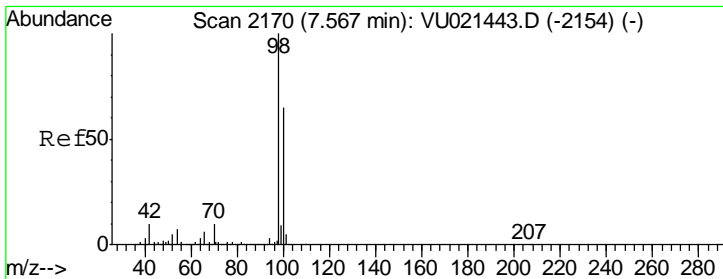
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.6	82.2	123.2
192	23.8	19.0	28.4



#44
 Trichloroethene
 Concen: 6.79 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU021484.D
 Acq: 04 Jan 2018 20:05

Tgt Ion	Resp	Lower	Upper
130	100		
95	99.1	0.0	189.6

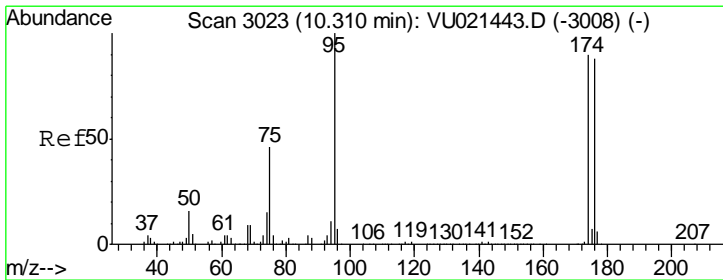
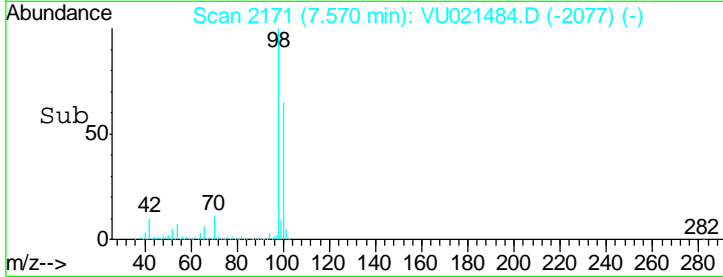
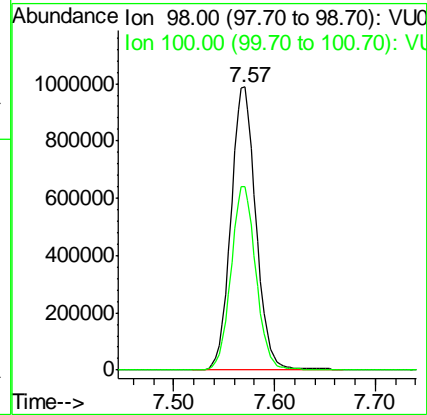
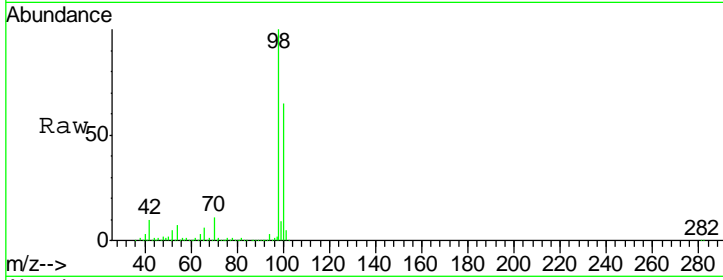




#50
 Toluene-d8
 Concen: 50.92 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021484.D
 Acq: 04 Jan 2018 20:05

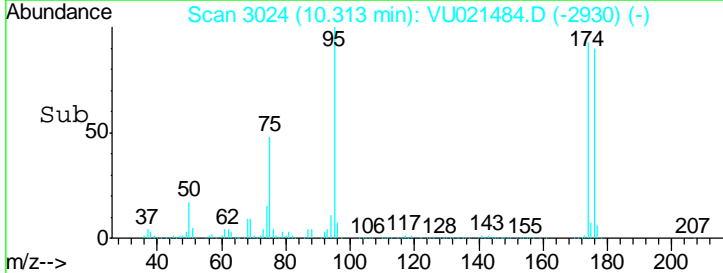
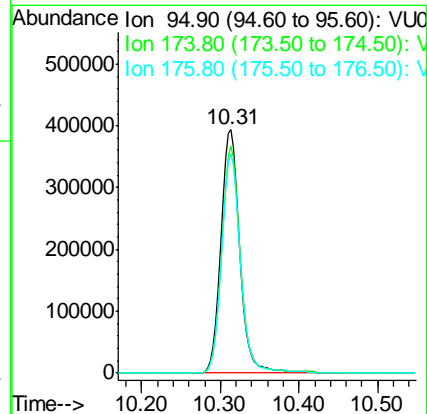
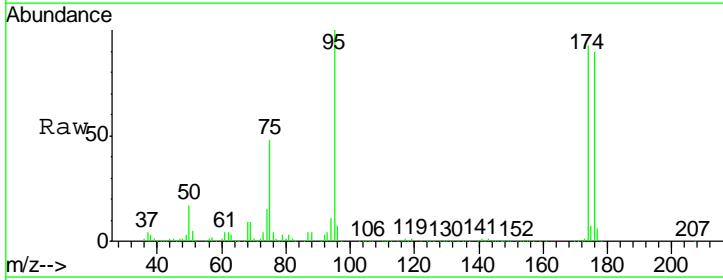
Instrument : MSVOA_U
 ClientSampleId : 924-MW-19(28)DL

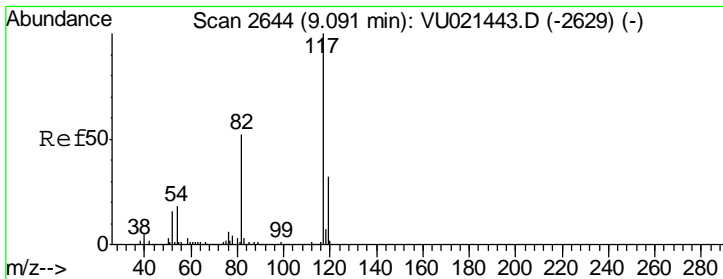
Tgt Ion	Resp	Lower	Upper
98	1715237		
98	100		
100	64.5	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 41.33 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021484.D
 Acq: 04 Jan 2018 20:05

Tgt Ion	Resp	Lower	Upper
95	648705		
95	100		
174	93.2	0.0	182.6
176	90.2	0.0	178.8



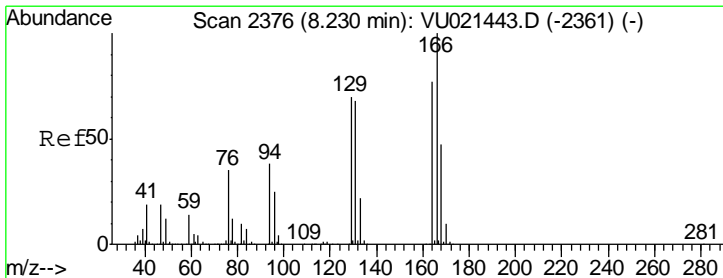
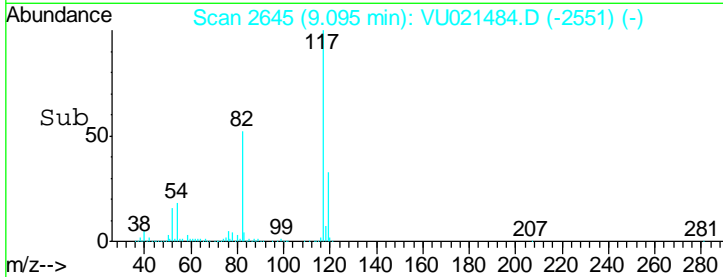
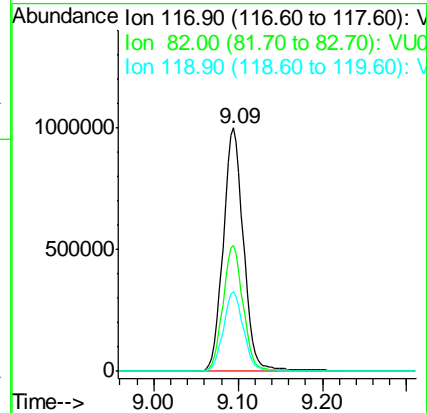
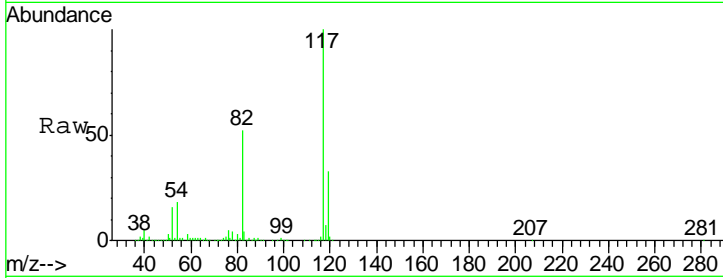


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021484.D
 Acq: 04 Jan 2018 20:05

Instrument : MSVOA_U
 ClientSampleId : 924-MW-19(28)DL

Tgt Ion:117 Resp: 1680327

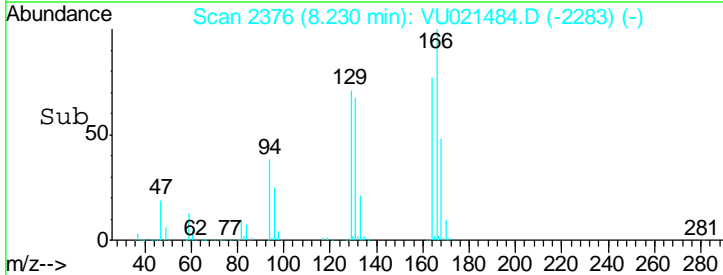
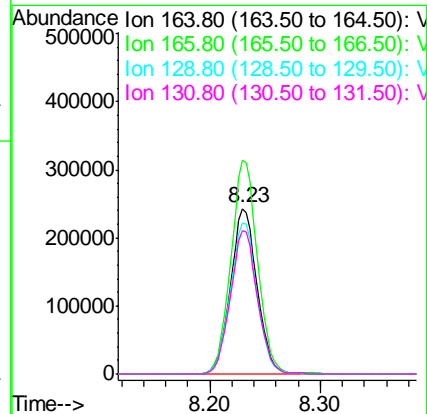
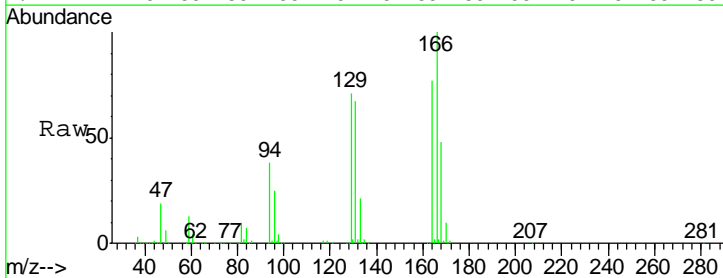
Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.4	62.0
119	32.7	25.7	38.5

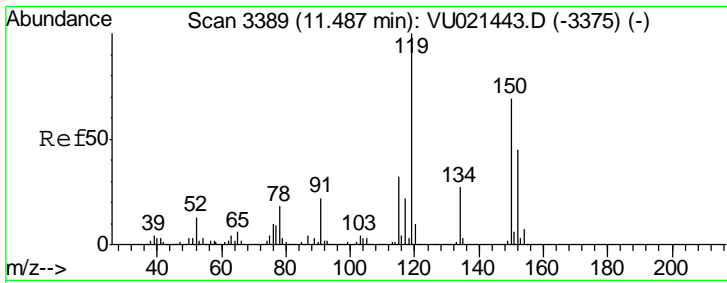


#64
 Tetrachloroethene
 Concen: 30.77 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU021484.D
 Acq: 04 Jan 2018 20:05

Tgt Ion:164 Resp: 406556

Ion	Ratio	Lower	Upper
164	100		
166	129.1	104.1	156.1
129	91.2	73.2	109.8
131	87.0	71.0	106.6

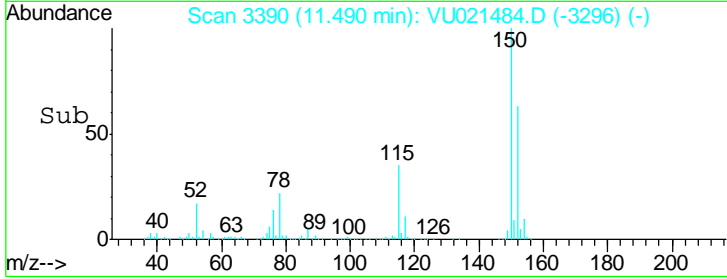
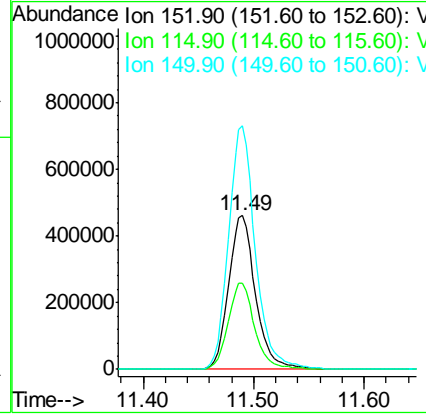
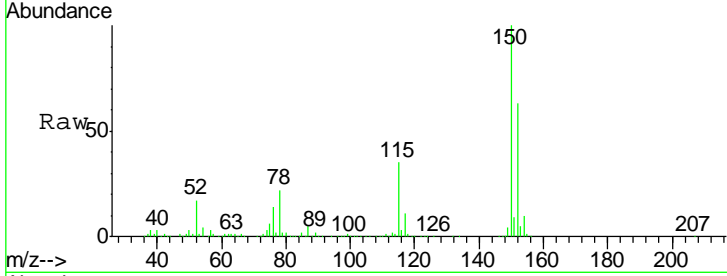




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021484.D
 Acq: 04 Jan 2018 20:05

Instrument : MSVOA_U
 ClientSampleId : 924-MW-19(28)DL

Tot Ion	152	Resp	782424
Ion Ratio	Lower	Upper	
152	100		
115	55.6	38.0	114.1
150	157.6	0.0	343.2



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- 14
- 15
- 16



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	925-MW-20(22)	SDG No.:	17090
Lab Sample ID:	I7090-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021478.D	1		01/04/18 17:25	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5.5		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.85	J	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	2.7		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	925-MW-20(22)	SDG No.:	17090
Lab Sample ID:	17090-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021478.D	1		01/04/18 17:25	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1.3		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.3		61 - 141		103%	SPK: 50
1868-53-7	Dibromofluoromethane	47.3		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	51		65 - 126		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		58 - 135		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1225620	4.99				
540-36-3	1,4-Difluorobenzene	1857760	5.89				
3114-55-4	Chlorobenzene-d5	1647430	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	773511	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	925-MW-20(22)	SDG No.:	17090
Lab Sample ID:	I7090-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021478.D	1		01/04/18 17:25	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021478.D
 Acq On : 04 Jan 2018 17:25
 Operator : MD/SY
 Sample : I7090-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 925-MW-20(22)

Quant Time: Jan 05 00:51:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1225615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1857764	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1647427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	773511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	536807	51.34	ug/l	0.00
Spiked Amount						
						102.68%
35) Dibromofluoromethane	4.89	113	486597	47.31	ug/l	0.00
Spiked Amount						
						94.62%
50) Toluene-d8	7.57	98	1672625	51.02	ug/l	0.00
Spiked Amount						
						102.04%
62) 4-Bromofluorobenzene	10.31	95	635812	41.62	ug/l	0.00
Spiked Amount						
						83.24%

Target Compounds

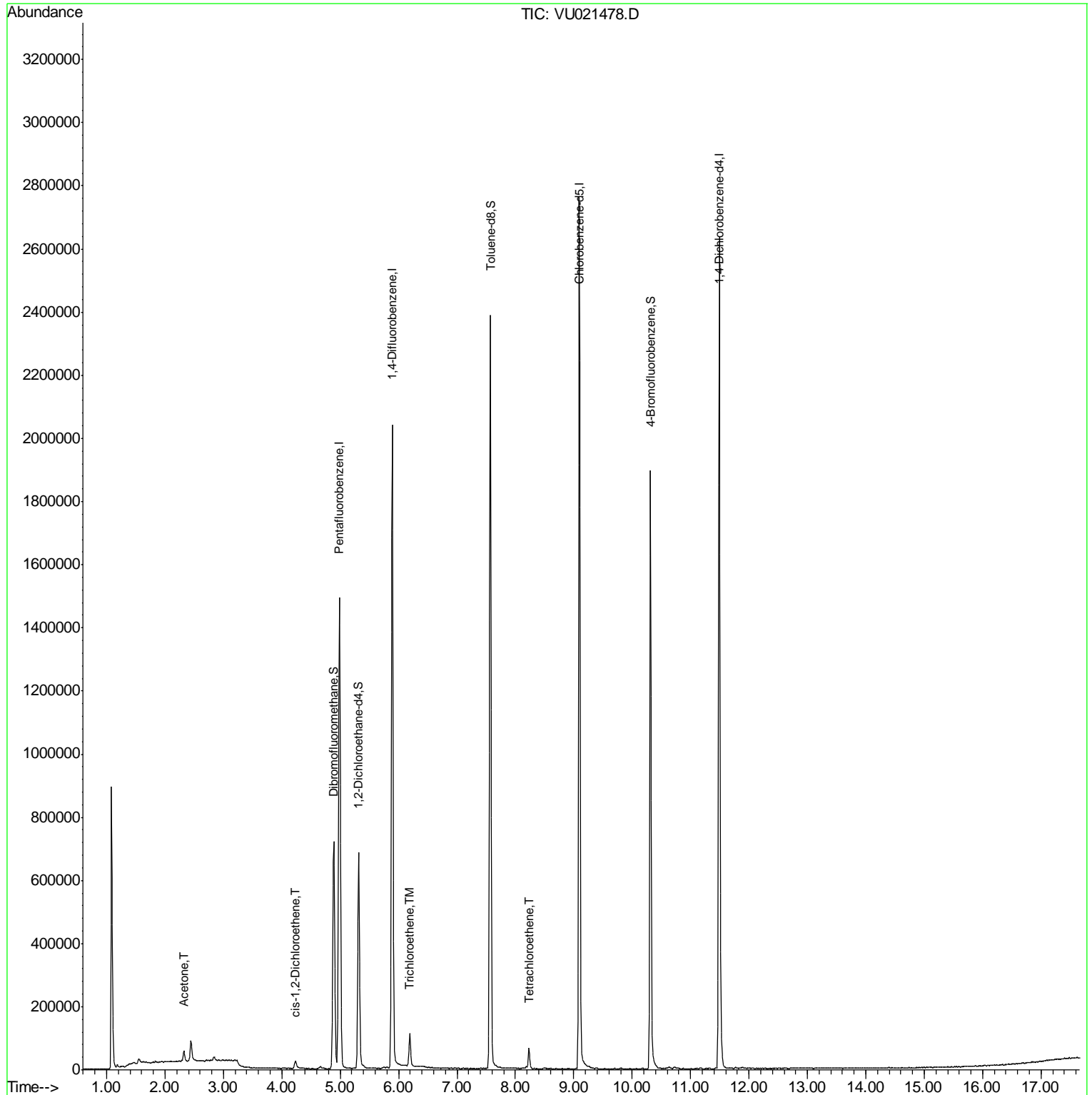
						Qvalue
16) Acetone	2.32	43	34268	5.52	ug/l	97
27) cis-1,2-Dichloroethene	4.24	96	10879	0.85	ug/l	89
44) Trichloroethene	6.19	130	37780	2.68	ug/l	100
64) Tetrachloroethene	8.23	164	16900	1.30	ug/l	93

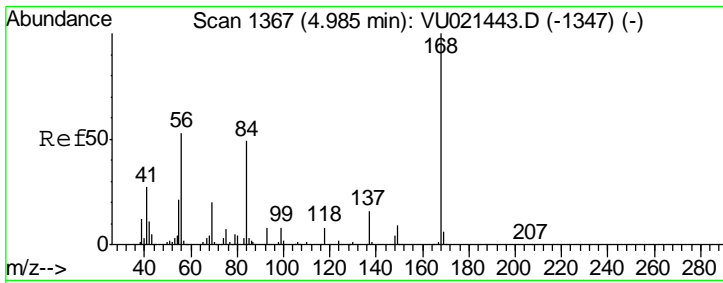
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021478.D
Acq On : 04 Jan 2018 17:25
Operator : MD/SY
Sample : I7090-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
925-MW-20(22)

Quant Time: Jan 05 00:51:33 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

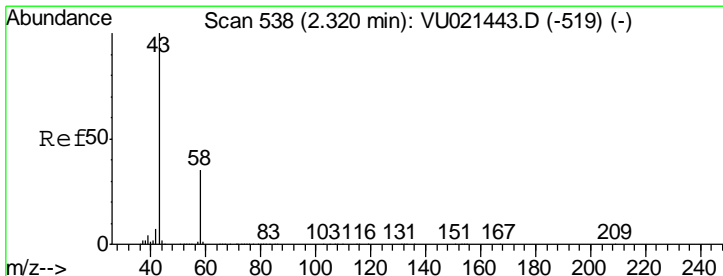
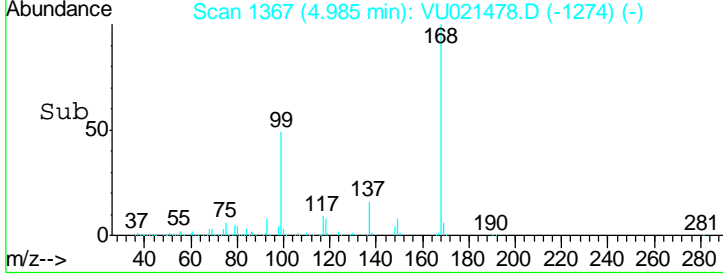
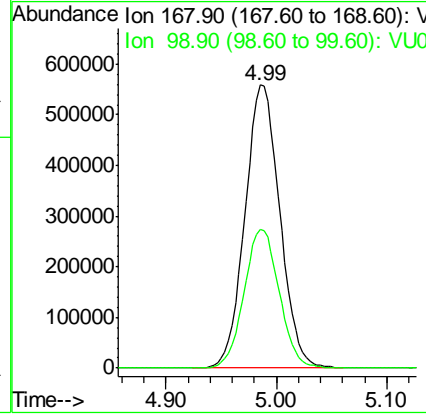
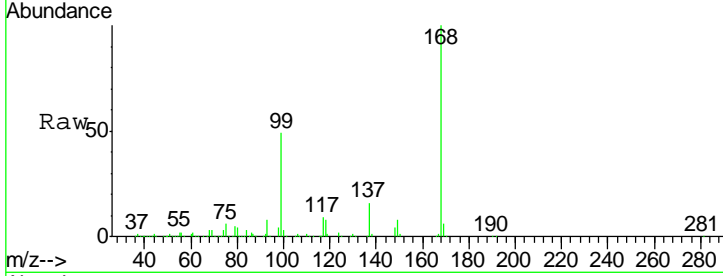




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU021478.D
 Acq: 04 Jan 2018 17:25

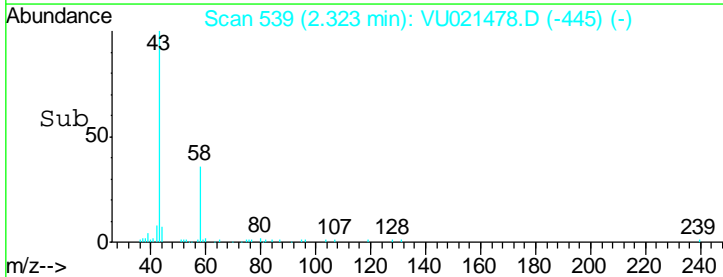
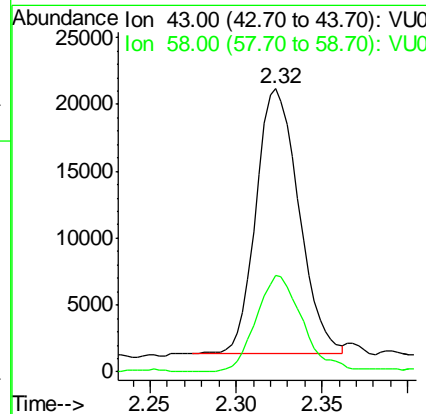
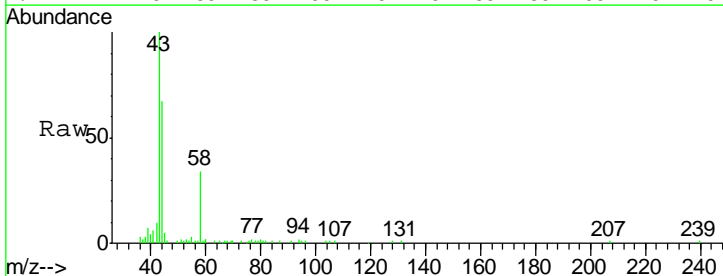
Instrument : MSVOA_U
 ClientSampleId : 925-MW-20(22)

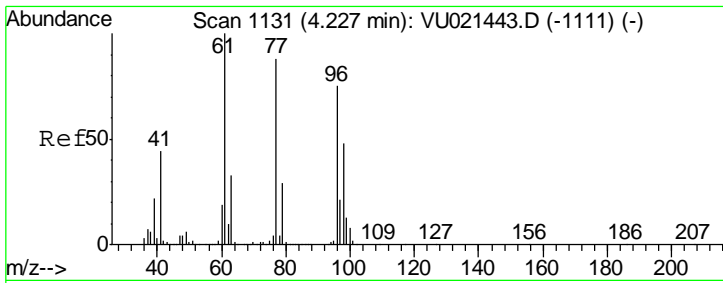
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.1	39.4	59.2



#16
 Acetone
 Concen: 5.52 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU021478.D
 Acq: 04 Jan 2018 17:25

Tgt Ion	Resp	Lower	Upper
43	100		
58	36.6	27.8	41.8

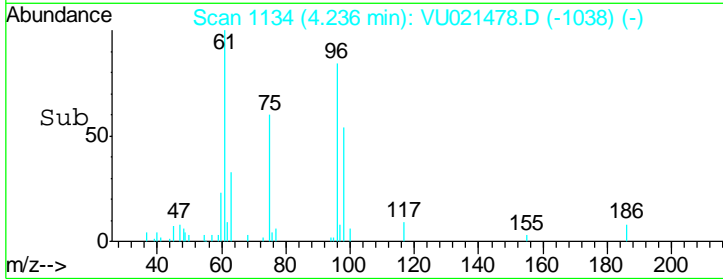
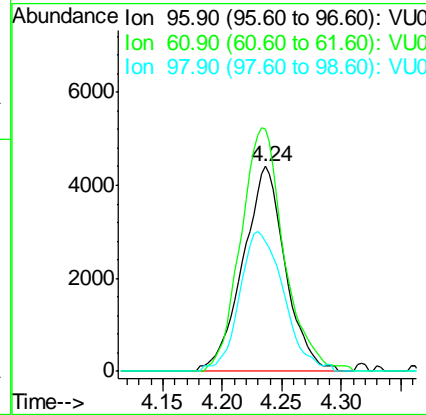
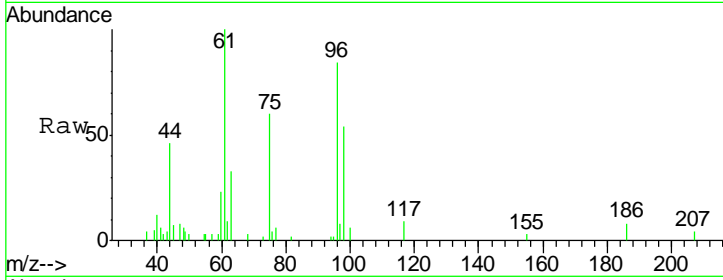




#27
 cis-1,2-Dichloroethene
 Concen: 0.85 ug/l
 RT: 4.24 min Scan# 1134
 Delta R.T. 0.01 min
 Lab File: VU021478.D
 Acq: 04 Jan 2018 17:25

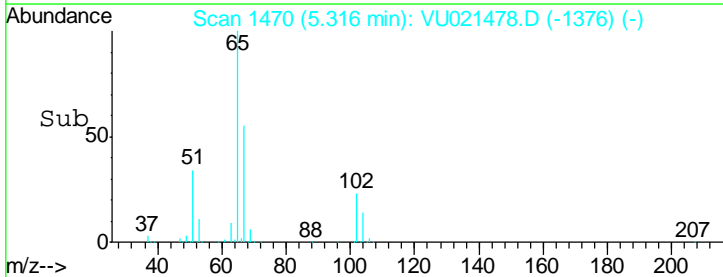
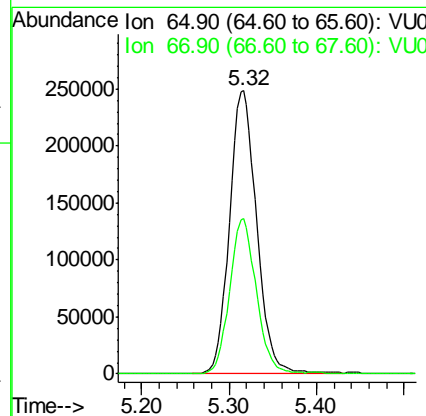
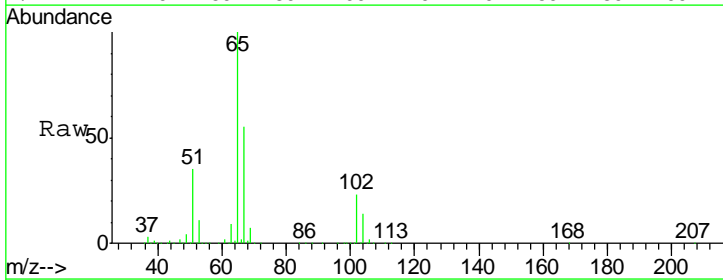
Instrument : MSVOA_U
 ClientSampled : 925-MW-20(22)

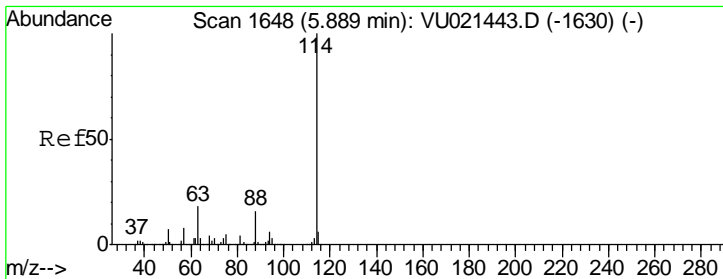
Tgt Ion	Resp	Lower	Upper
96	10879		
96	100		
61	121.4	0.0	270.2
98	70.8	0.0	128.2



#33
 1,2-Dichloroethane-d4
 Concen: 51.34 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021478.D
 Acq: 04 Jan 2018 17:25

Tgt Ion	Resp	Lower	Upper
65	536807		
65	100		
67	53.6	0.0	106.6

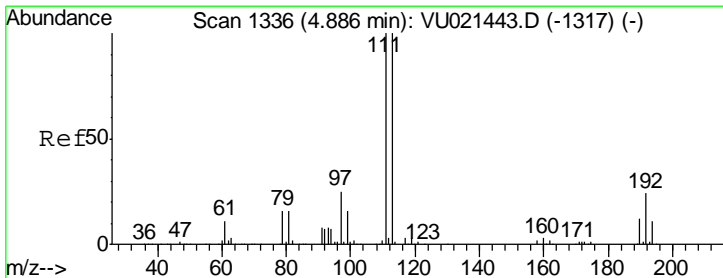
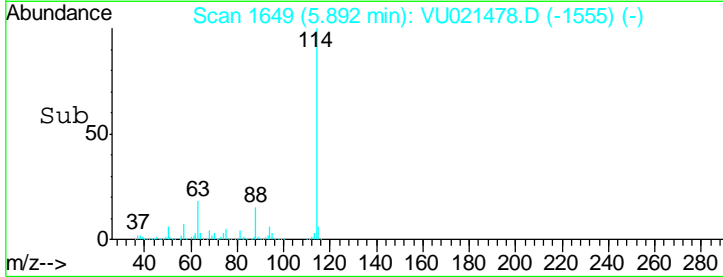
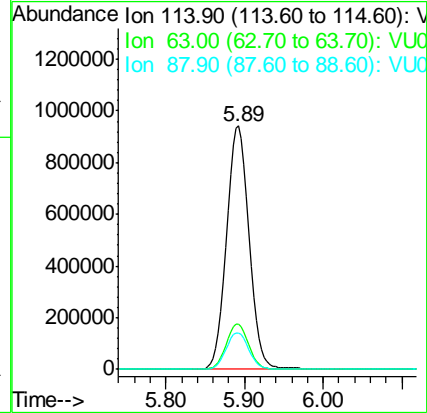
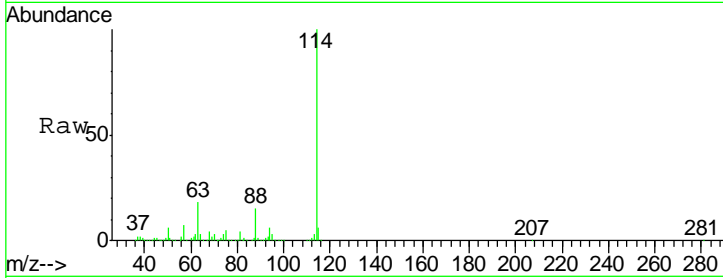




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU021478.D
 Acq: 04 Jan 2018 17:25

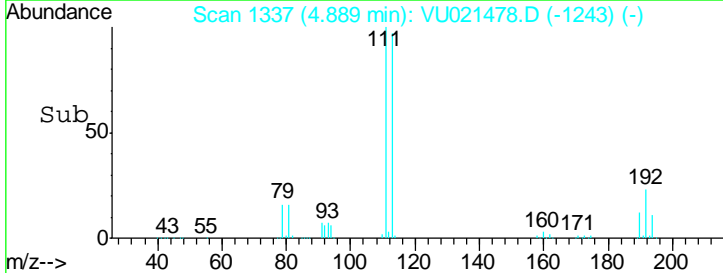
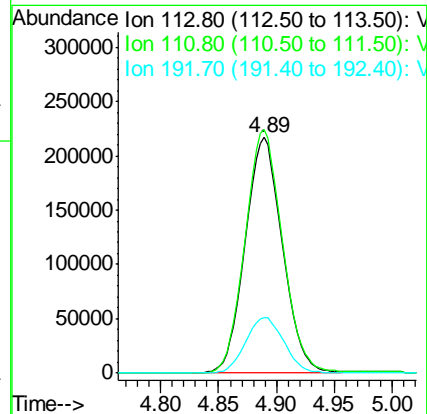
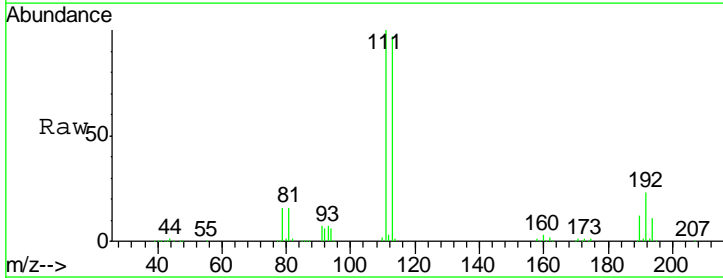
Instrument : MSVOA_U
 ClientSampleId : 925-MW-20(22)

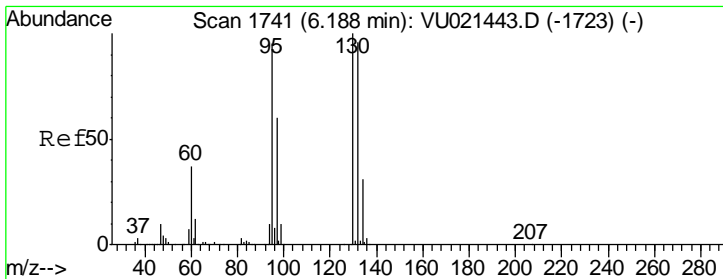
Tgt Ion	Resp	Lower	Upper
114	1857764		
63	18.5	0.0	36.6
88	15.1	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 47.31 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021478.D
 Acq: 04 Jan 2018 17:25

Tgt Ion	Resp	Lower	Upper
113	486597		
111	103.8	82.2	123.2
192	24.3	19.0	28.4



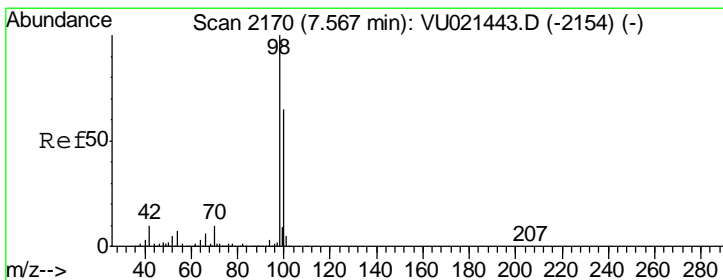
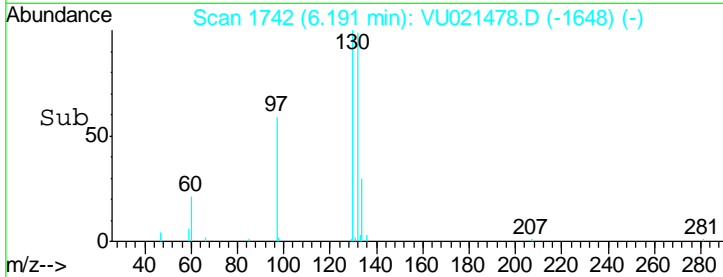
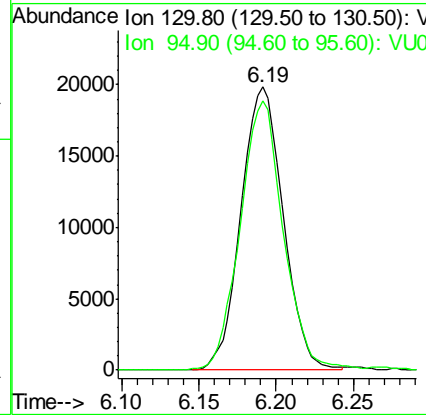
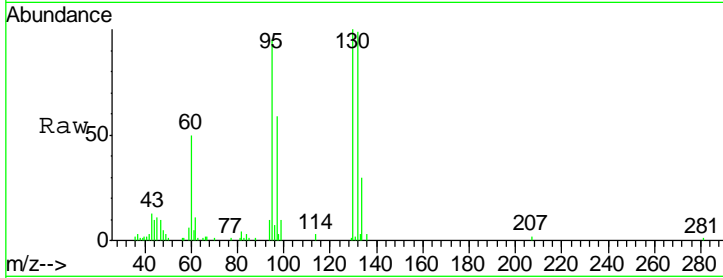


#44

Trichloroethene
 Concen: 2.68 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU021478.D
 Acq: 04 Jan 2018 17:25

Instrument : MSVOA_U
 ClientSampleId : 925-MW-20(22)

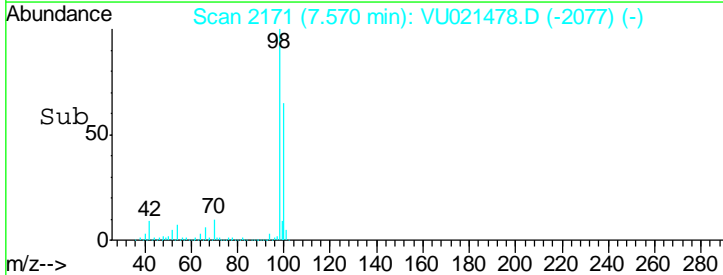
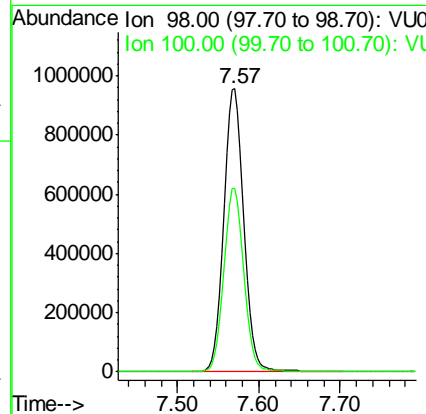
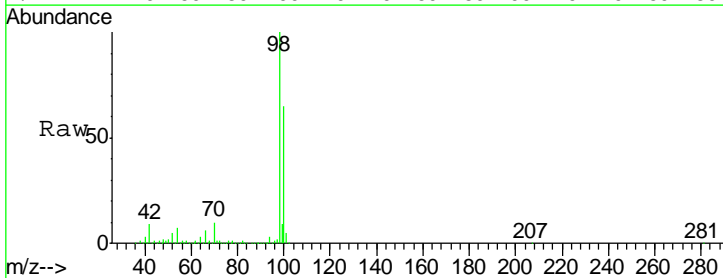
Tgt Ion	Resp	Lower	Upper
130	37780		
95	94.3	0.0	189.6

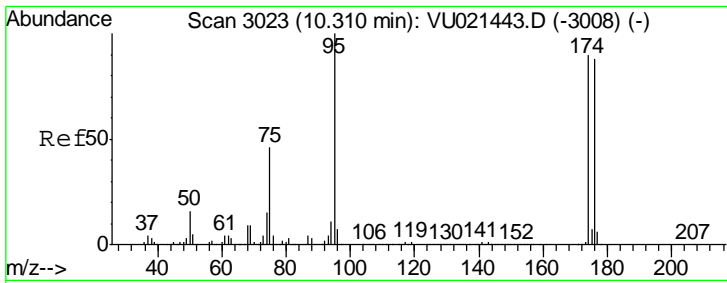


#50

Toluene-d8
 Concen: 51.02 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021478.D
 Acq: 04 Jan 2018 17:25

Tgt Ion	Resp	Lower	Upper
98	1672625		
100	64.9	51.8	77.8

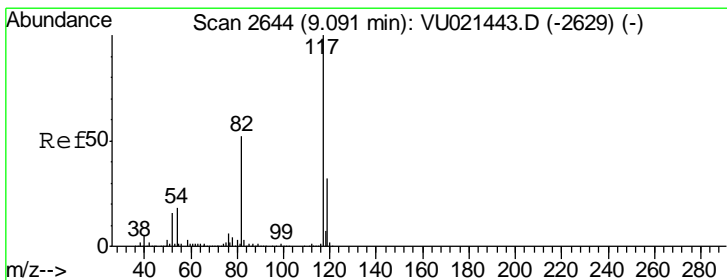
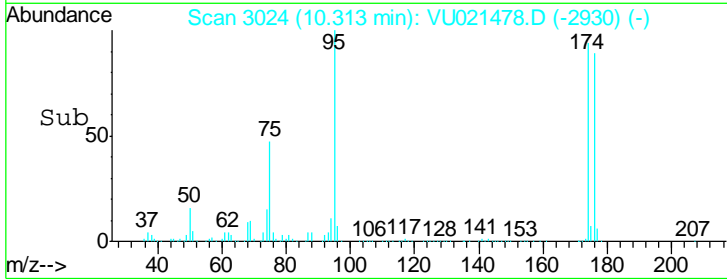
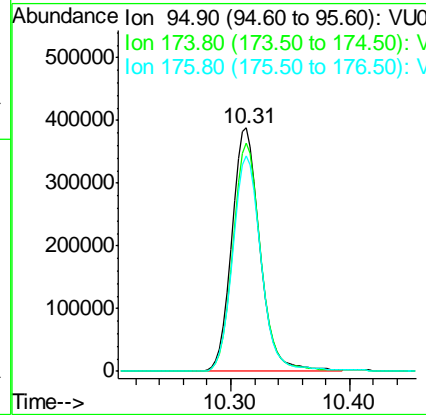
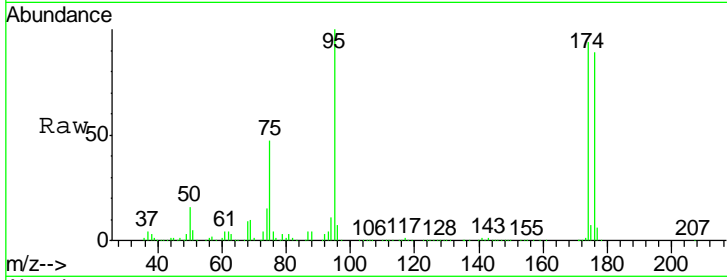




#62
 4-Bromofluorobenzene
 Concen: 41.62 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021478.D
 Acq: 04 Jan 2018 17:25

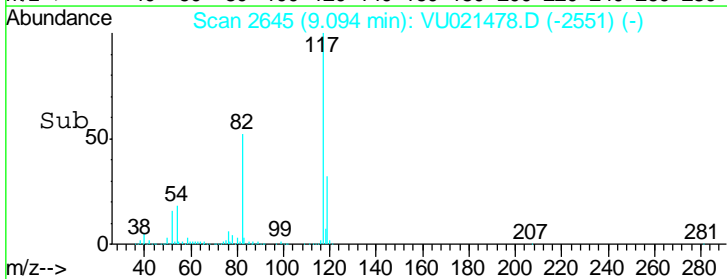
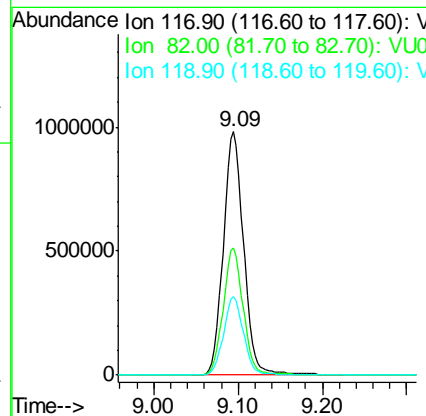
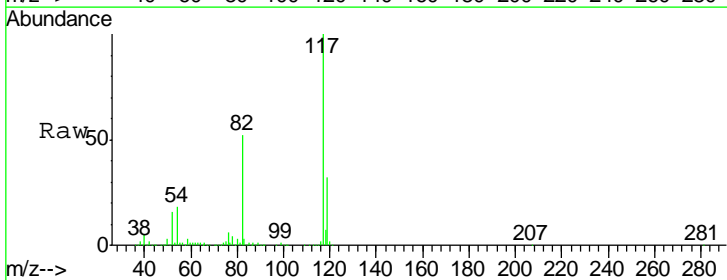
Instrument : MSVOA_U
 Client Sampled : 925-MW-20(22)

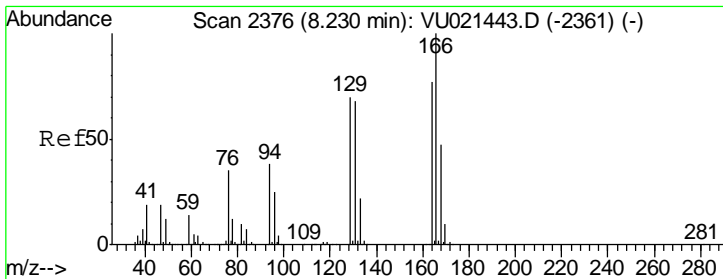
Tgt Ion	Resp	Lower	Upper
95	635812		
174	93.5	0.0	182.6
176	89.7	0.0	178.8



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021478.D
 Acq: 04 Jan 2018 17:25

Tgt Ion	Resp	Lower	Upper
117	1647427		
82	52.5	41.4	62.0
119	32.3	25.7	38.5

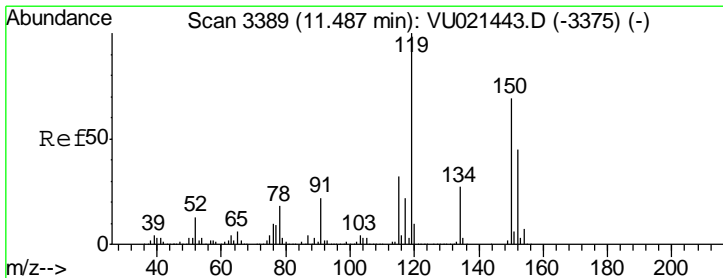
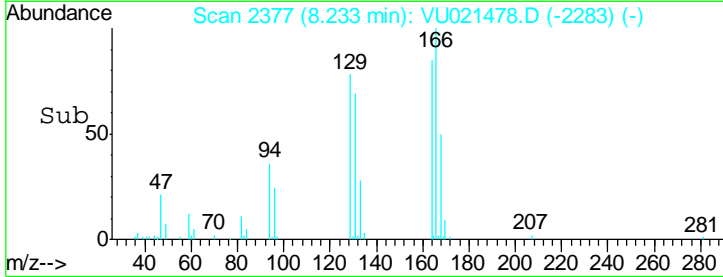
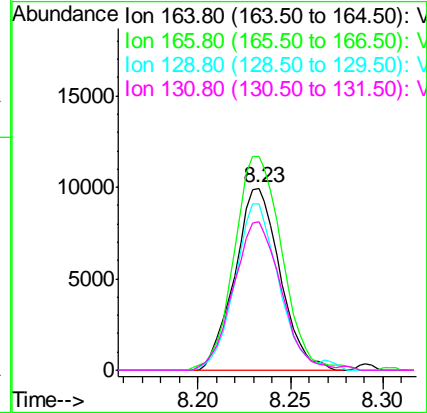
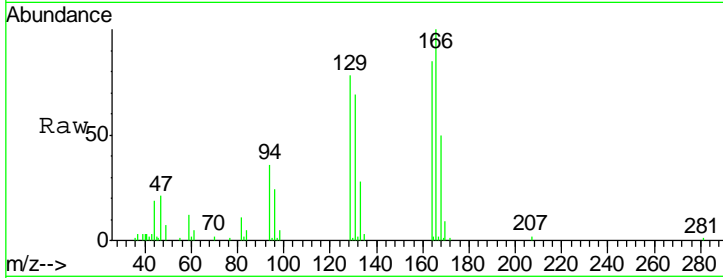




#64
 Tetrachloroethene
 Concen: 1.30 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU021478.D
 Acq: 04 Jan 2018 17:25

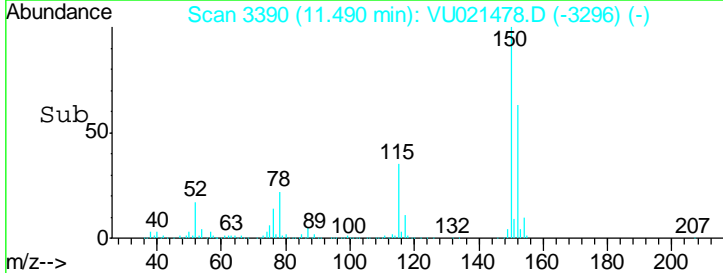
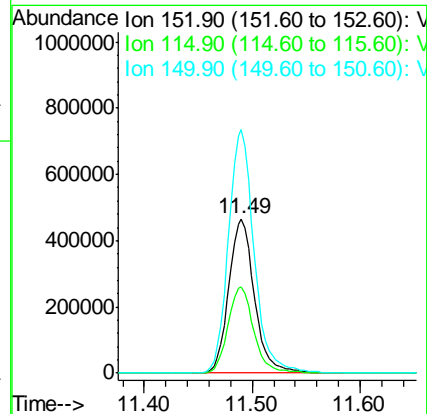
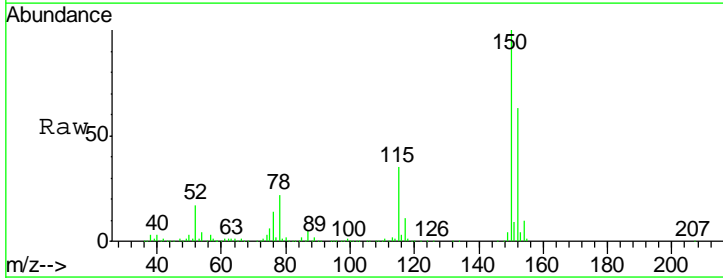
Instrument : MSVOA_U
 ClientSampleId : 925-MW-20(22)

Tgt Ion	Resp	Lower	Upper
164	100		
166	115.8	104.1	156.1
129	91.4	73.2	109.8
131	81.4	71.0	106.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021478.D
 Acq: 04 Jan 2018 17:25

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.0	38.0	114.1
150	157.6	0.0	343.2



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021478.D
 Acq On : 04 Jan 2018 17:25
 Operator : MD/SY
 Sample : I7090-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 925-MW-20(22)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	134	154	176	rBV	895217	1294812	28.06%	4.521%
2	2.323	533	539	552	rVB	31707	50254	1.09%	0.175%
3	2.445	568	577	595	rVB	60883	115426	2.50%	0.403%
4	4.233	1115	1133	1146	rBV6	24953	66499	1.44%	0.232%
5	4.889	1317	1337	1352	rBV	720800	1616472	35.03%	5.644%
6	4.985	1352	1367	1397	rVB	1487886	3297337	71.46%	11.512%
7	5.316	1455	1470	1488	rBV	683476	1459149	31.62%	5.094%
8	5.892	1631	1649	1676	rBV	2038624	4078114	88.39%	14.238%
9	6.191	1730	1742	1757	rVB	102070	195530	4.24%	0.683%
10	7.570	2155	2171	2199	rBV	2387037	4203414	91.10%	14.676%
11	8.233	2367	2377	2397	rVB2	67248	120644	2.61%	0.421%
12	9.094	2631	2645	2677	rBV	2759581	4614023	100.00%	16.109%
13	10.313	3010	3024	3064	rBV	1893090	3118722	67.59%	10.888%
14	11.490	3377	3390	3418	rBV	2634249	4411958	95.62%	15.404%

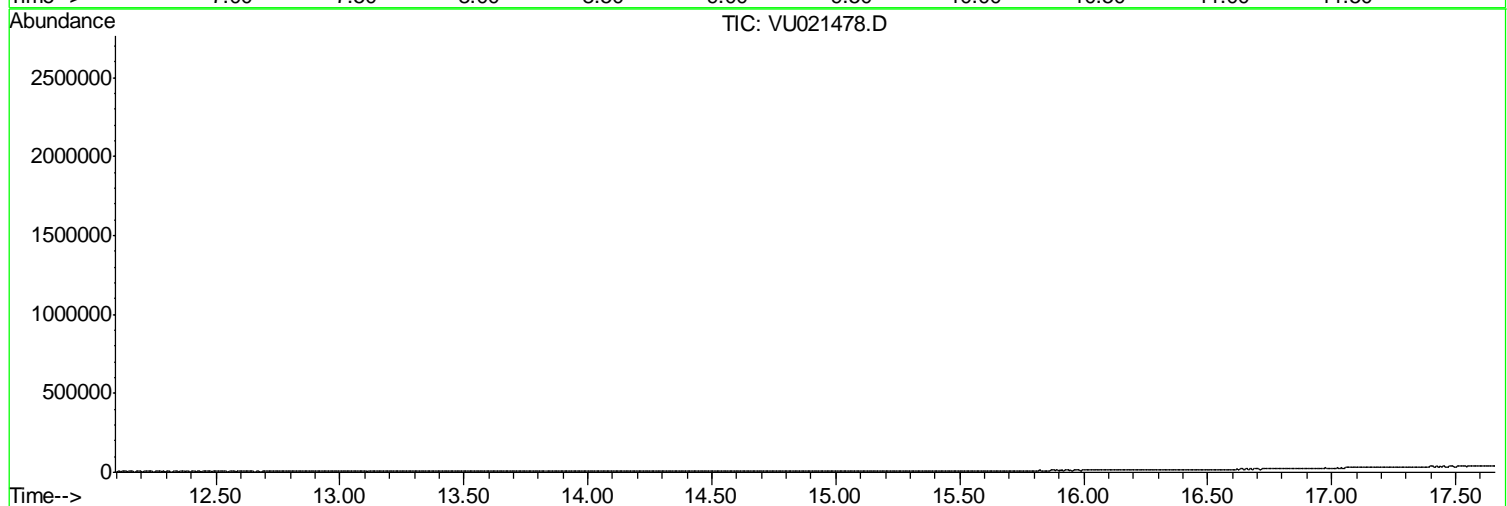
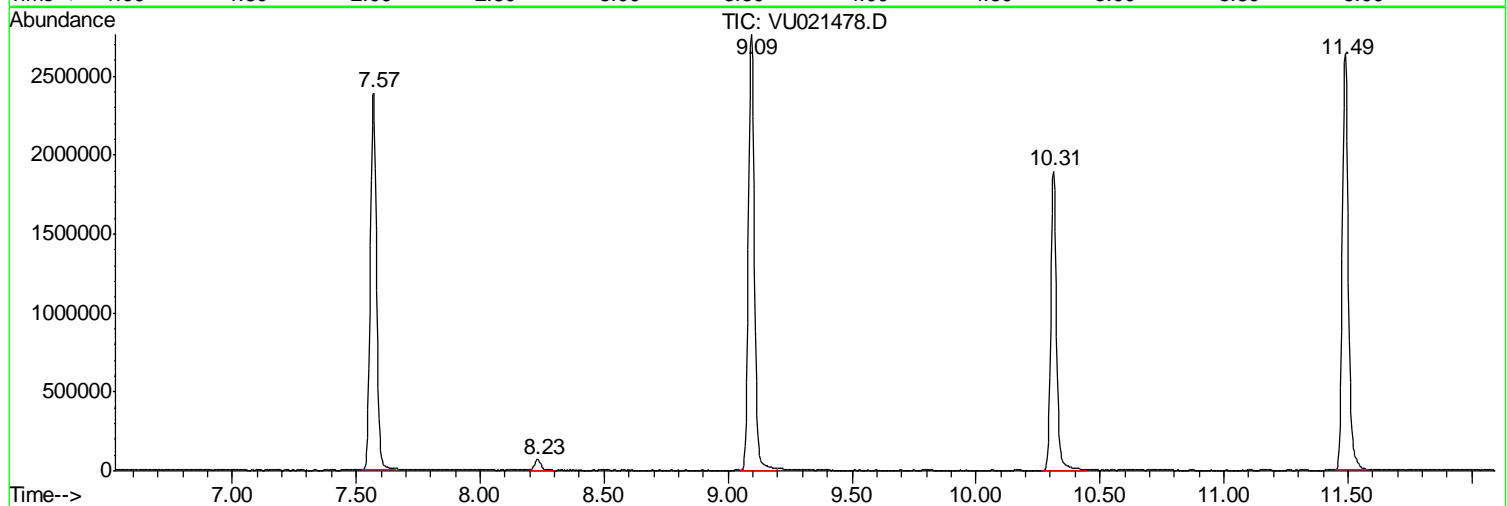
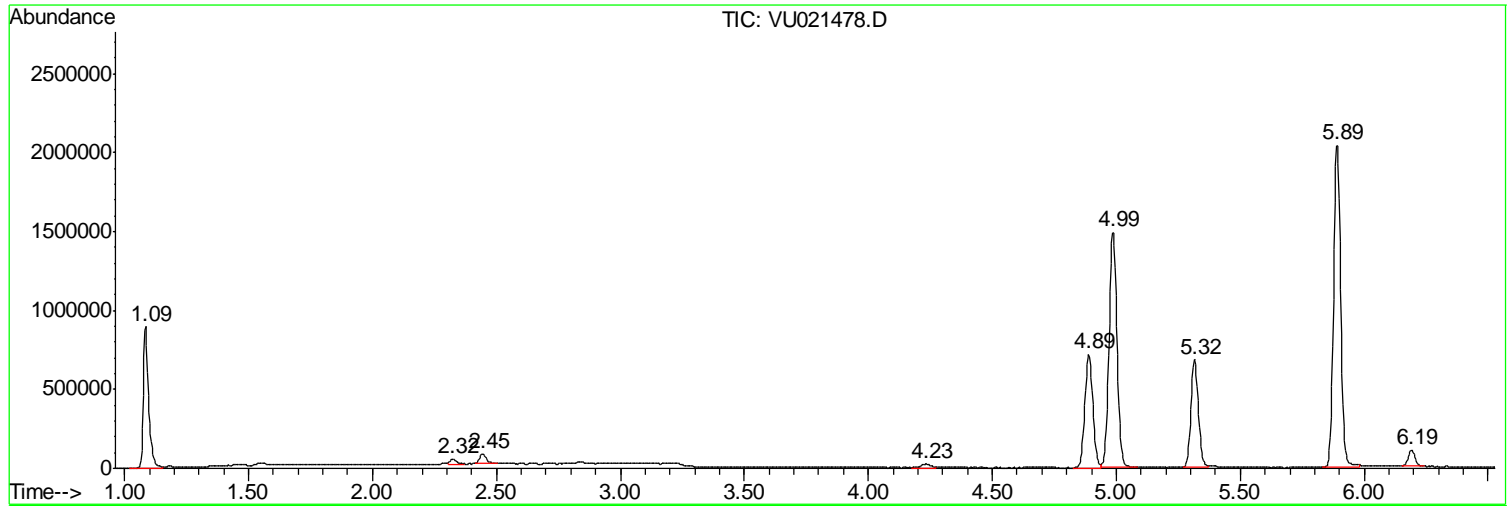
Sum of corrected areas: 28642354

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021478.D
Acq On : 04 Jan 2018 17:25
Operator : MD/SY
Sample : I7090-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
925-MW-20(22)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021478.D
Acq On : 04 Jan 2018 17:25
Operator : MD/SY
Sample : I7090-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
925-MW-20(22)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021478.D
 Acq On : 04 Jan 2018 17:25
 Operator : MD/SY
 Sample : I7090-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 925-MW-20(22)

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	926-FB122717	SDG No.:	17090
Lab Sample ID:	I7090-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021467.D	1		01/04/18 12:30	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	7.7		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	926-FB122717	SDG No.:	17090
Lab Sample ID:	17090-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021467.D	1		01/04/18 12:30	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.1		61 - 141		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		69 - 133		102%	SPK: 50
2037-26-5	Toluene-d8	55.1		65 - 126		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		58 - 135		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1340030	4.99				
540-36-3	1,4-Difluorobenzene	1963180	5.89				
3114-55-4	Chlorobenzene-d5	1790670	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	929516	11.49				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	926-FB122717	SDG No.:	17090
Lab Sample ID:	17090-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021467.D	1		01/04/18 12:30	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021467.D
 Acq On : 04 Jan 2018 12:30
 Operator : MD/SY
 Sample : I7090-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 926-FB122717

Quant Time: Jan 05 10:57:26 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

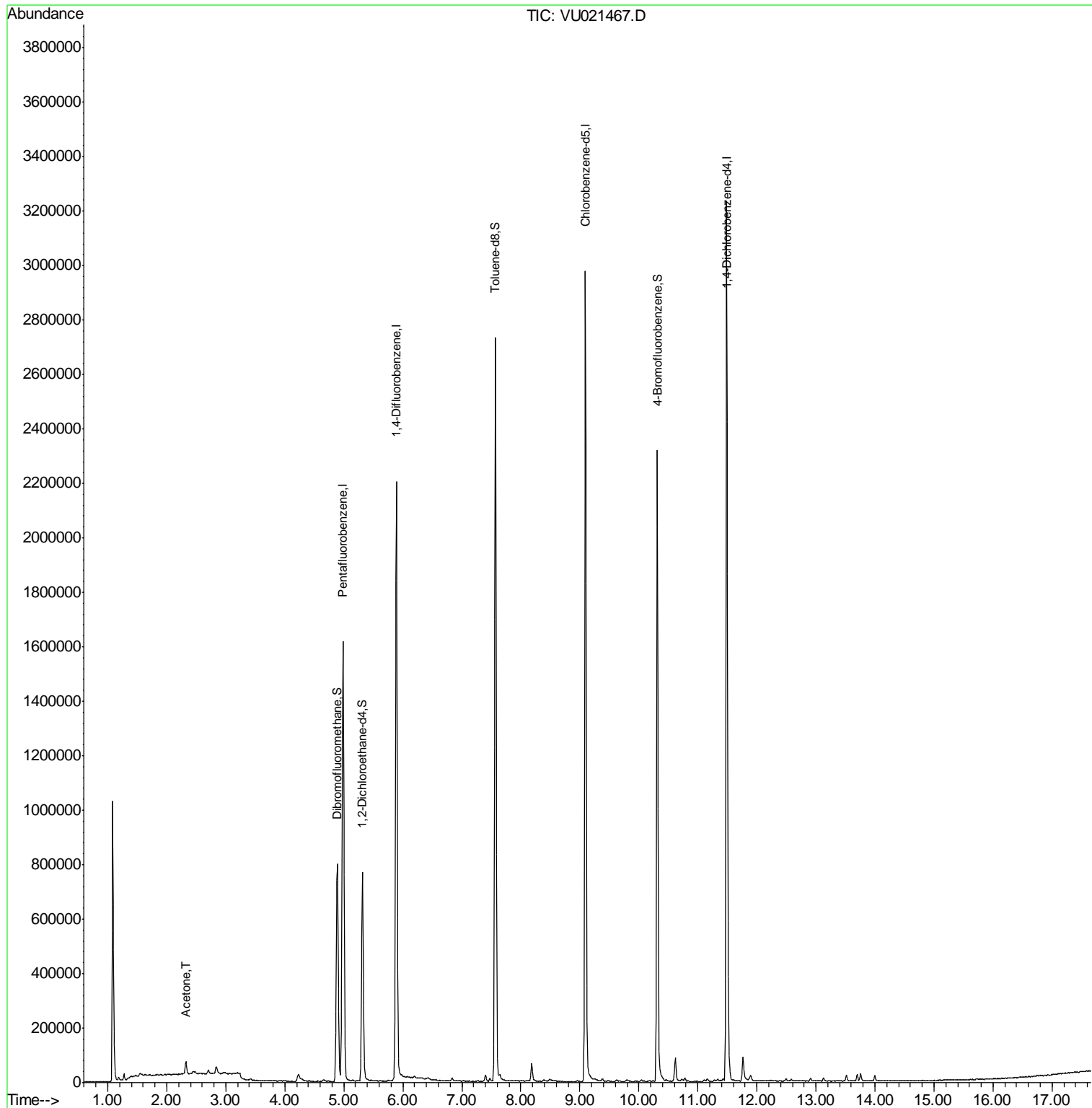
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1340034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1963177	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1790667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	929516	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	607205	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
35) Dibromofluoromethane	4.89	113	552814	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	7.57	98	1907876	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
62) 4-Bromofluorobenzene	10.31	95	788554	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
Target Compounds						
16) Acetone	2.32	43	52152	7.68	ug/l	Qvalue 97

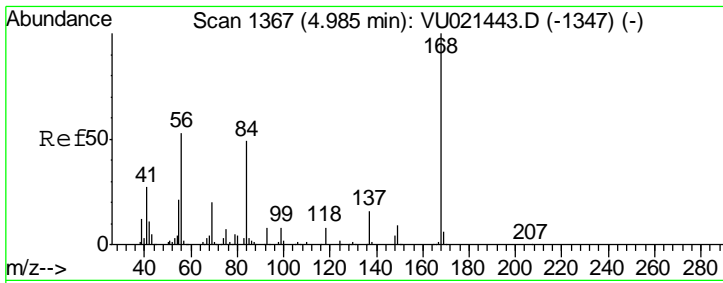
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021467.D
Acq On : 04 Jan 2018 12:30
Operator : MD/SY
Sample : I7090-17
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
926-FB122717

Quant Time: Jan 05 10:57:26 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration



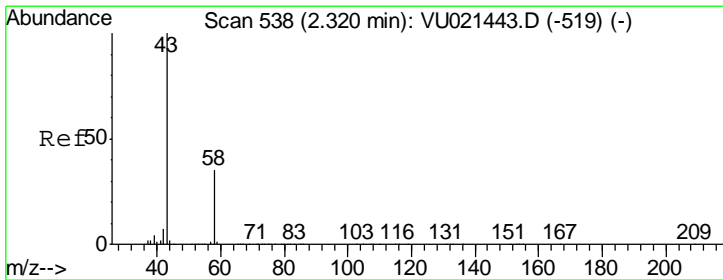
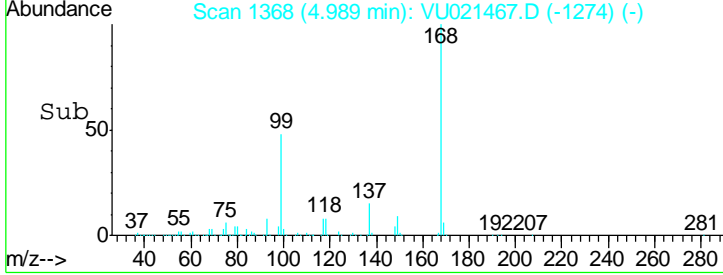
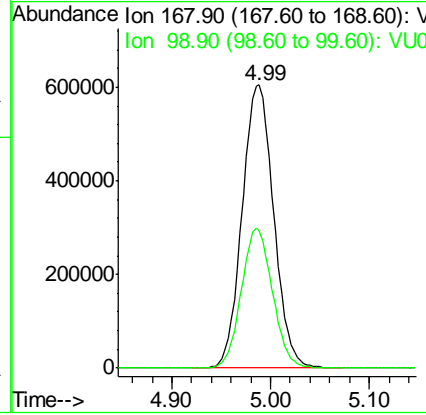
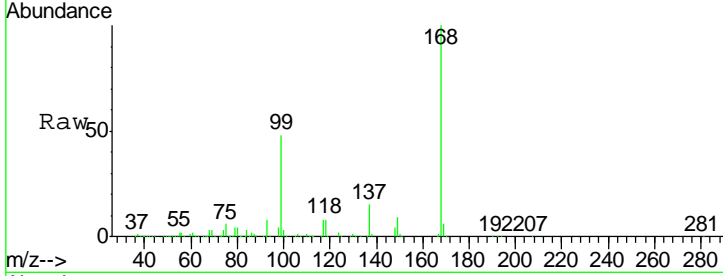


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU021467.D
 Acq: 04 Jan 2018 12:30

Instrument : MSVOA_U
 ClientSampled : 926-FB122717

Tgt Ion: 168 Resp: 1340034

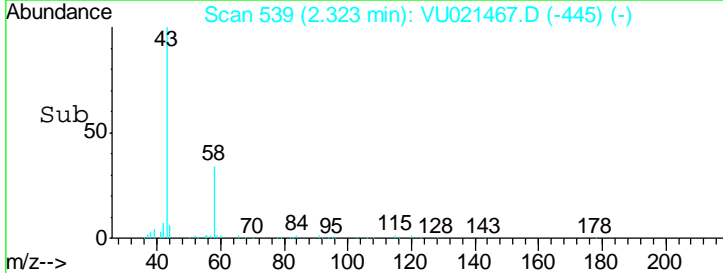
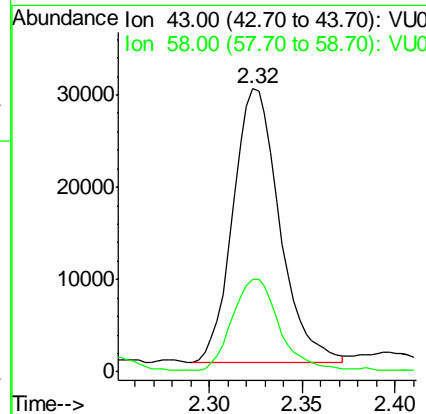
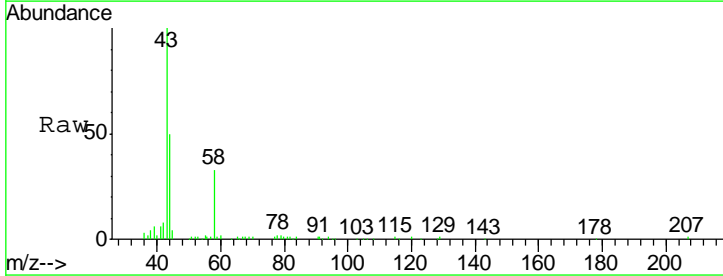
Ion	Ratio	Lower	Upper
168	100		
99	48.5	39.4	59.2

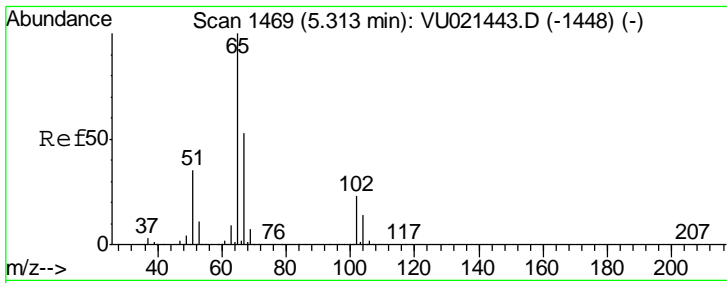


#16
 Acetone
 Concen: 7.68 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU021467.D
 Acq: 04 Jan 2018 12:30

Tgt Ion: 43 Resp: 52152

Ion	Ratio	Lower	Upper
43	100		
58	33.0	27.8	41.8

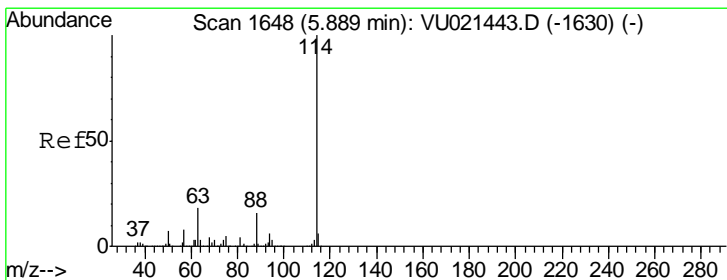
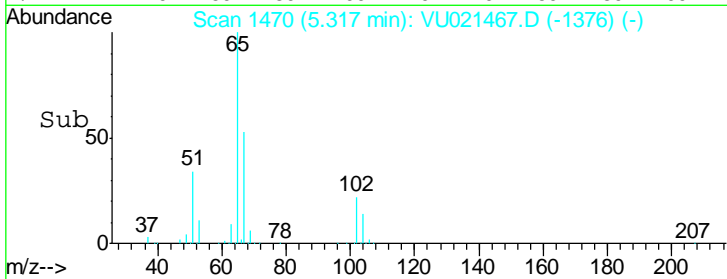
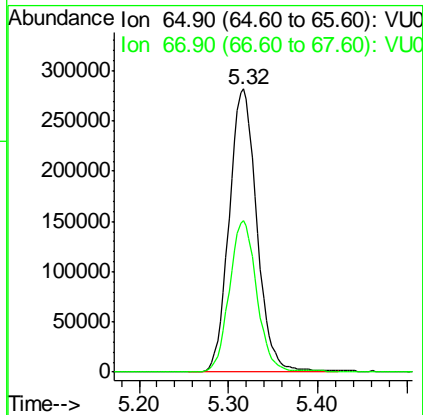
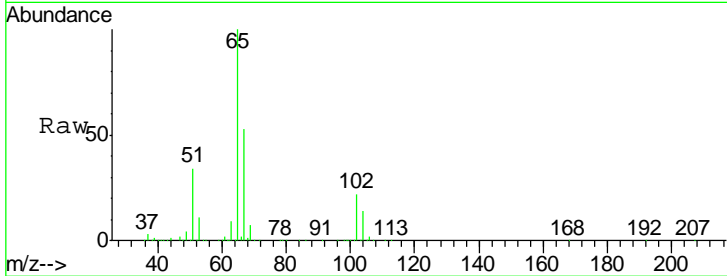




#33
 1,2-Dichloroethane-d4
 Concen: 53.11 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021467.D
 Acq: 04 Jan 2018 12:30

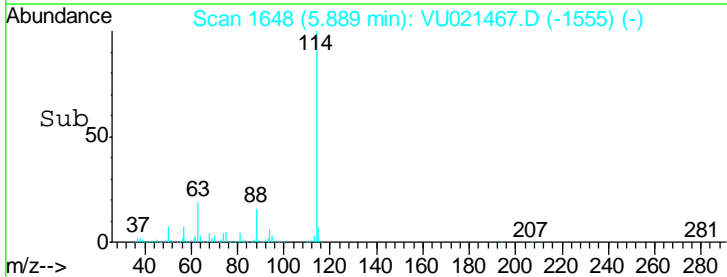
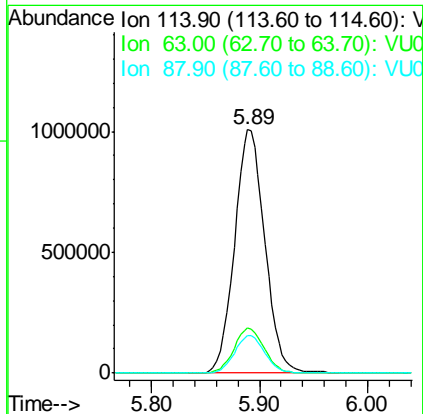
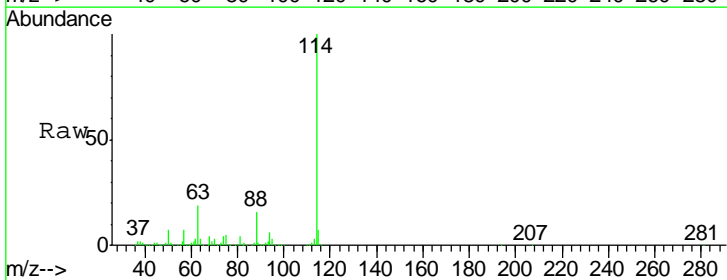
Instrument : MSVOA_U
 ClientSampled : 926-FB122717

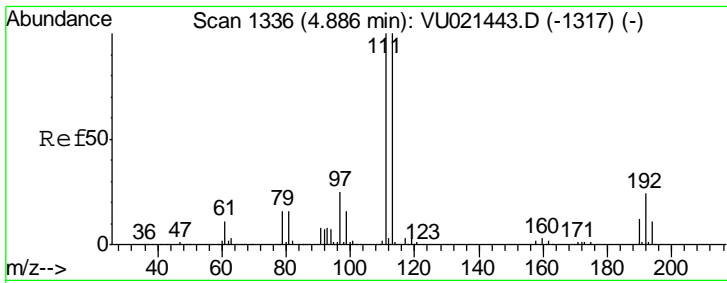
Tgt Ion	Resp	Lower	Upper
65	100		
67	52.7	0.0	106.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU021467.D
 Acq: 04 Jan 2018 12:30

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.5	0.0	36.6
88	15.5	0.0	31.2

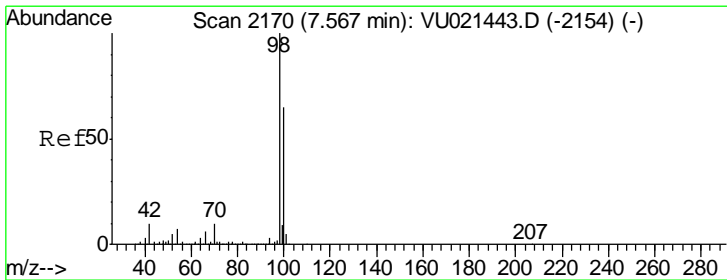
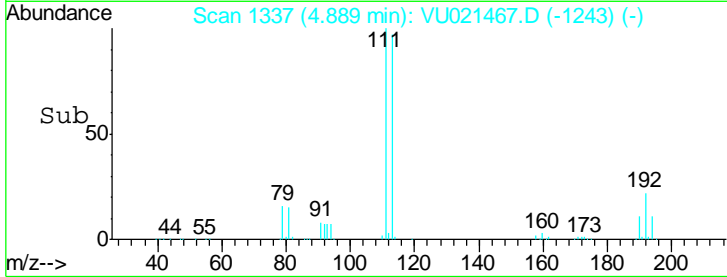
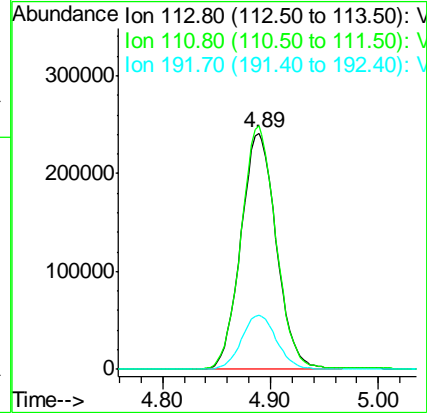
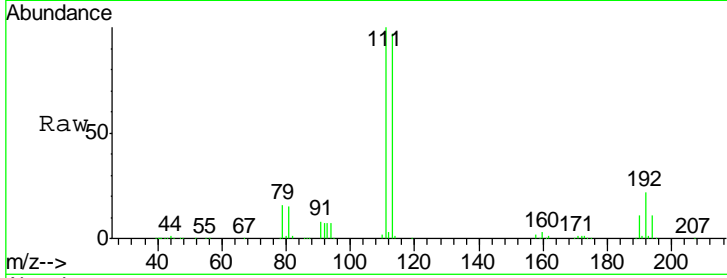




#35
 Dibromofluoromethane
 Concen: 50.86 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021467.D
 Acq: 04 Jan 2018 12:30

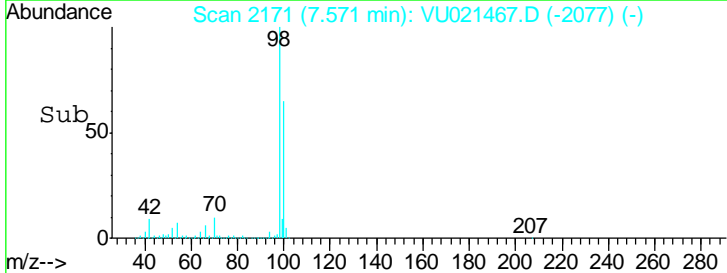
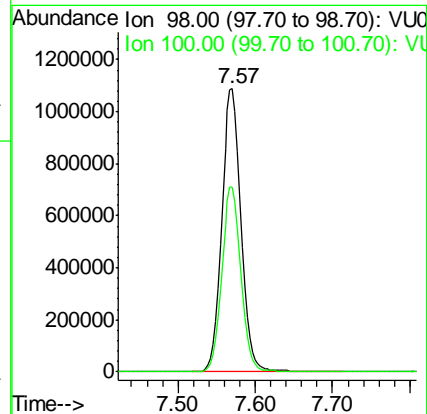
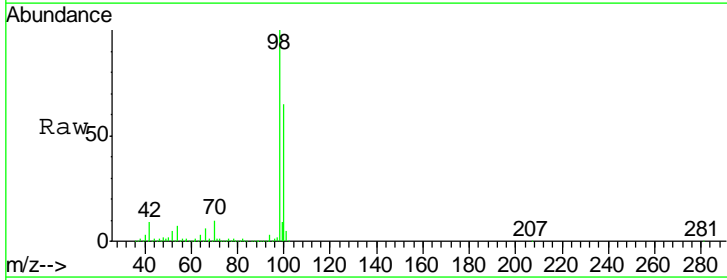
Instrument :
 MSVOA_U
 ClientSampled :
 926-FB122717

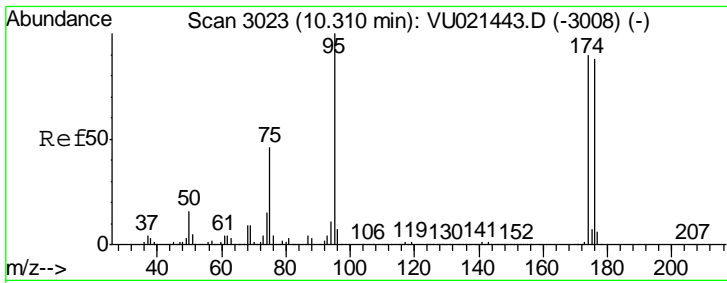
Tgt Ion	Resp	Lower	Upper
113	100		
111	101.4	82.2	123.2
192	22.8	19.0	28.4



#50
 Toluene-d8
 Concen: 55.07 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021467.D
 Acq: 04 Jan 2018 12:30

Tgt Ion	Resp	Lower	Upper
98	100		
100	64.6	51.8	77.8

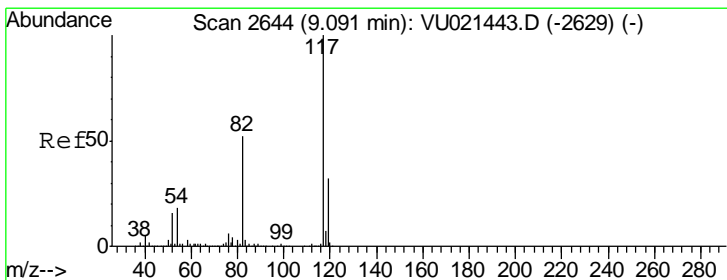
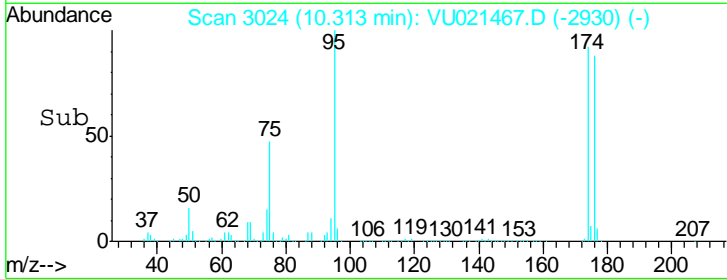
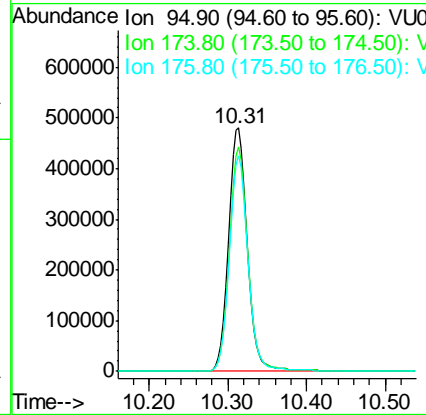
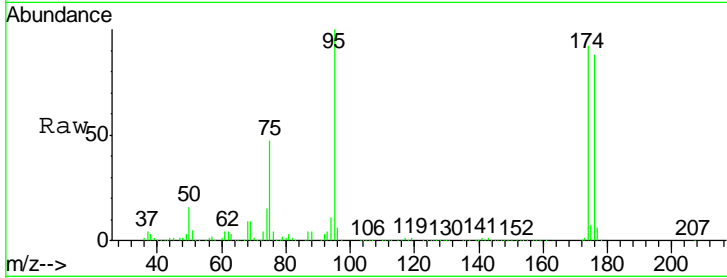




#62
 4-Bromofluorobenzene
 Concen: 48.85 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021467.D
 Acq: 04 Jan 2018 12:30

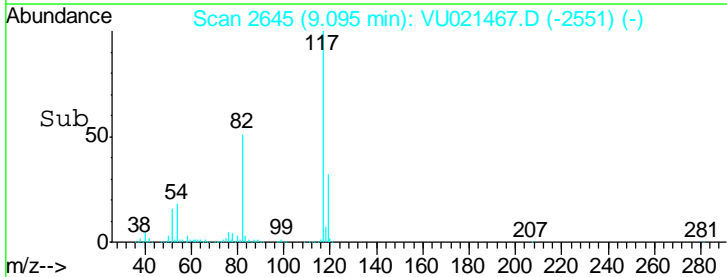
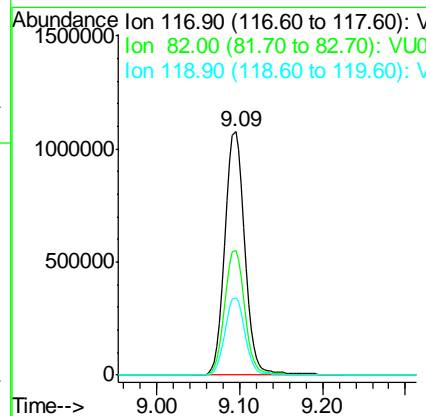
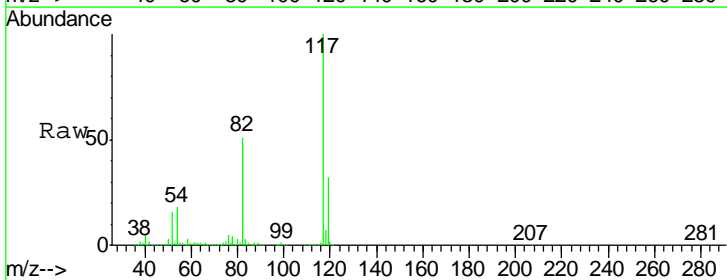
Instrument : MSVOA_U
 ClientSampled : 926-FB122717

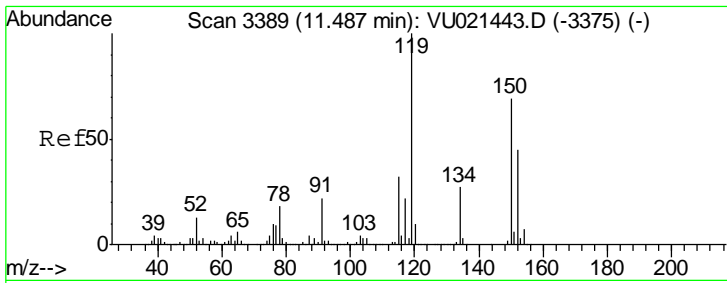
Tgt Ion	Resp	Lower	Upper
95	788554		
174	91.6	0.0	182.6
176	88.0	0.0	178.8



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021467.D
 Acq: 04 Jan 2018 12:30

Tgt Ion	Resp	Lower	Upper
117	1790667		
82	51.2	41.4	62.0
119	32.0	25.7	38.5

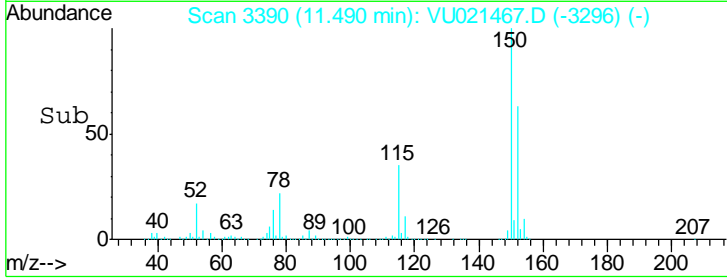
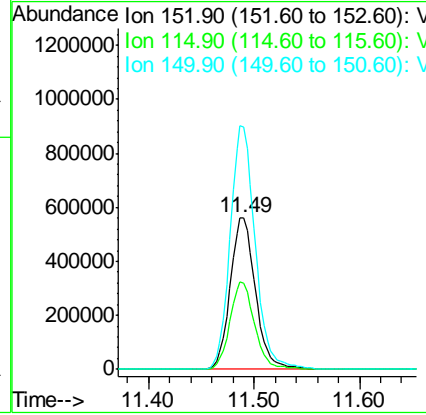
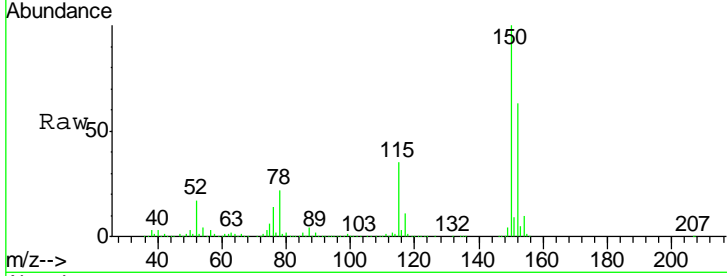




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021467.D
 Acq: 04 Jan 2018 12:30

Instrument : MSVOA_U
 ClientSampleId : 926-FB122717

Tot Ion	Resp	Lower	Upper
152	100		
115	56.5	38.0	114.1
150	159.0	0.0	343.2



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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021467.D
 Acq On : 04 Jan 2018 12:30
 Operator : MD/SY
 Sample : I7090-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 926-FB122717

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	142	154	176	rBV	1030728	1467459	27.51%	4.530%
2	2.323	533	539	553	rVB	43962	71460	1.34%	0.221%
3	4.233	1115	1133	1146	rBV2	25504	78052	1.46%	0.241%
4	4.889	1319	1337	1352	rBV	797890	1805049	33.84%	5.572%
5	4.986	1352	1367	1389	rVB	1609804	3564354	66.82%	11.002%
6	5.317	1454	1470	1492	rBV	767342	1633348	30.62%	5.042%
7	5.889	1625	1648	1674	rBV	2199855	4368658	81.90%	13.485%
8	7.567	2153	2170	2189	rBV	2729860	4772931	89.48%	14.733%
9	8.185	2349	2362	2373	rBV2	65185	122695	2.30%	0.379%
10	9.095	2630	2645	2680	rBV	2973273	5007635	93.88%	15.457%
11	10.313	3010	3024	3064	rBV	2317549	3814371	71.51%	11.774%
12	10.616	3103	3118	3137	rBV	85201	167360	3.14%	0.517%
13	11.487	3377	3389	3417	rBV	3229702	5333997	100.00%	16.465%
14	11.760	3462	3474	3493	rBV	89341	189399	3.55%	0.585%

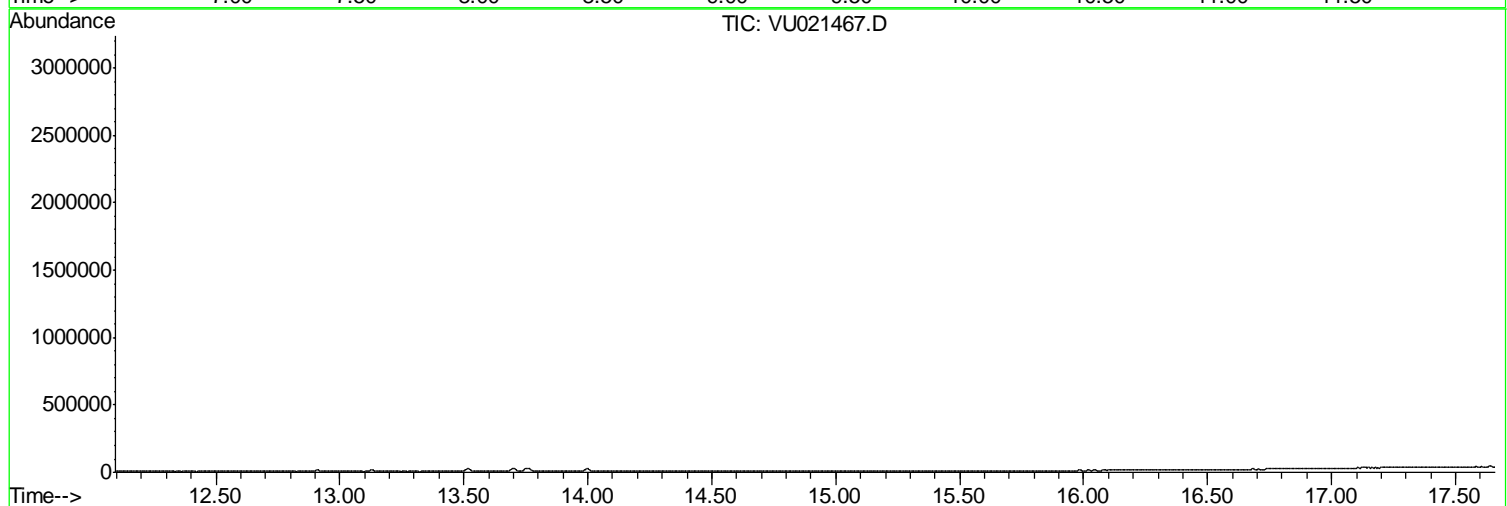
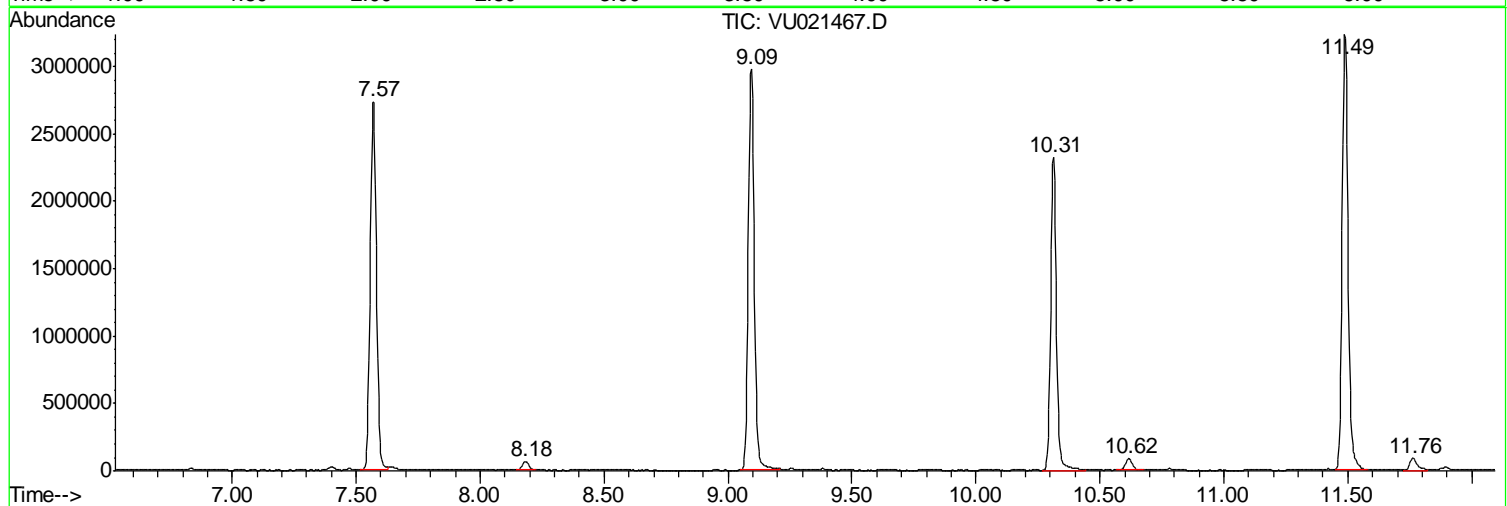
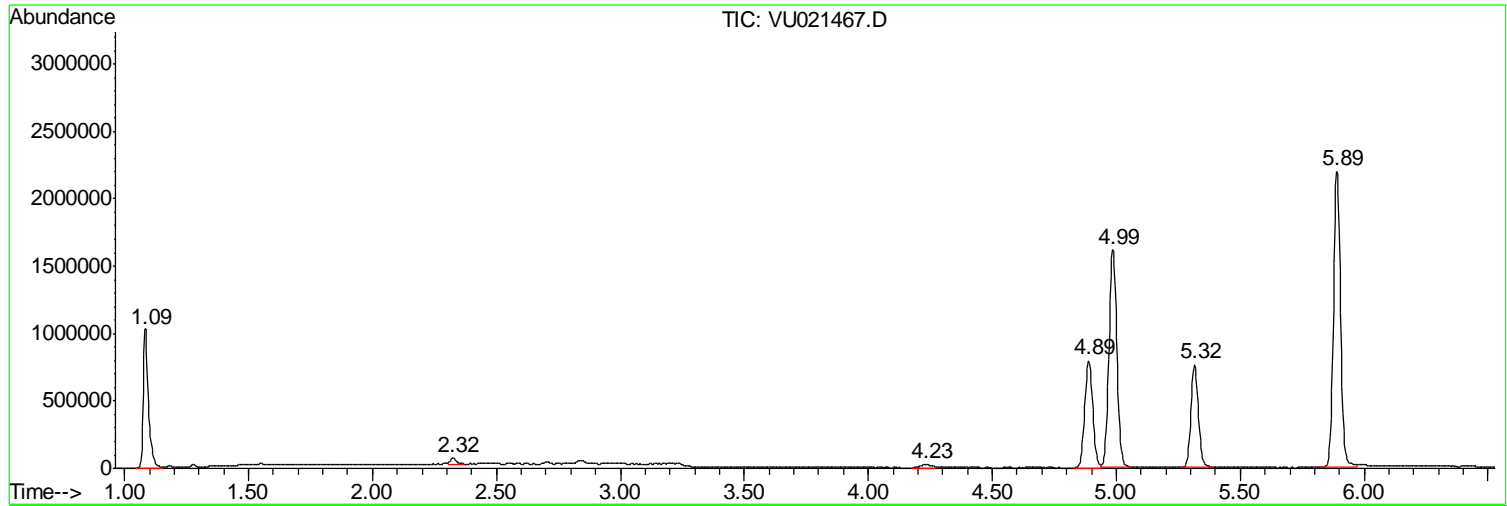
Sum of corrected areas: 32396768

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021467.D
Acq On : 04 Jan 2018 12:30
Operator : MD/SY
Sample : I7090-17
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
926-FB122717

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021467.D
Acq On : 04 Jan 2018 12:30
Operator : MD/SY
Sample : I7090-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
926-FB122717

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021467.D
 Acq On : 04 Jan 2018 12:30
 Operator : MD/SY
 Sample : I7090-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 926-FB122717

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	927-TB127717	SDG No.:	17090
Lab Sample ID:	I7090-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021468.D	1		01/04/18 12:57	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	927-TB127717	SDG No.:	17090
Lab Sample ID:	I7090-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021468.D	1		01/04/18 12:57	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50		61 - 141		100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	51.3		65 - 126		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		58 - 135		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1373420	4.99				
540-36-3	1,4-Difluorobenzene	2015240	5.89				
3114-55-4	Chlorobenzene-d5	1819390	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	963228	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	927-TB127717	SDG No.:	17090
Lab Sample ID:	I7090-18	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021468.D	1		01/04/18 12:57	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021468.D
 Acq On : 04 Jan 2018 12:57
 Operator : MD/SY
 Sample : I7090-18
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 927-TB127717

Quant Time: Jan 05 11:00:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1373418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	2015244	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1819393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	963228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	585795	49.99	ug/l	0.00
Spiked Amount						
			Recovery	=		99.98%
35) Dibromofluoromethane	4.89	113	528518	47.37	ug/l	0.00
Spiked Amount						
			Recovery	=		94.74%
50) Toluene-d8	7.57	98	1825042	51.32	ug/l	0.00
Spiked Amount						
			Recovery	=		102.64%
62) 4-Bromofluorobenzene	10.31	95	756164	45.63	ug/l	0.00
Spiked Amount						
			Recovery	=		91.26%

Target Compounds

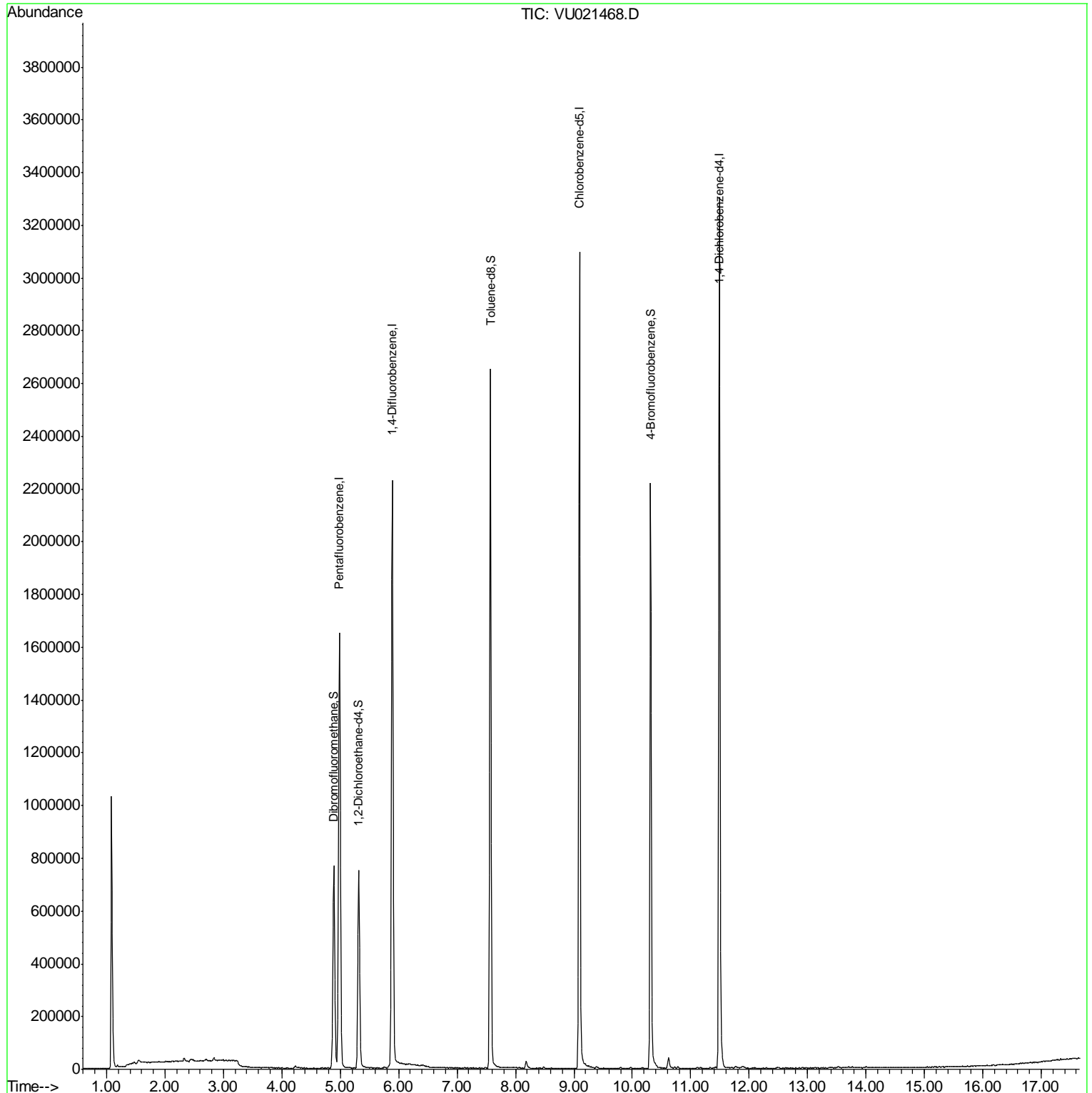
Qvalue

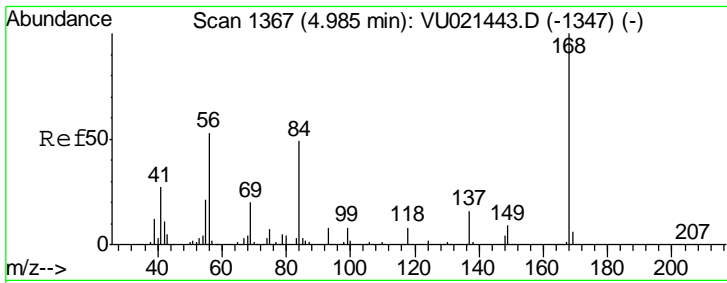
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021468.D
Acq On : 04 Jan 2018 12:57
Operator : MD/SY
Sample : I7090-18
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
927-TB127717

Quant Time: Jan 05 11:00:04 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration

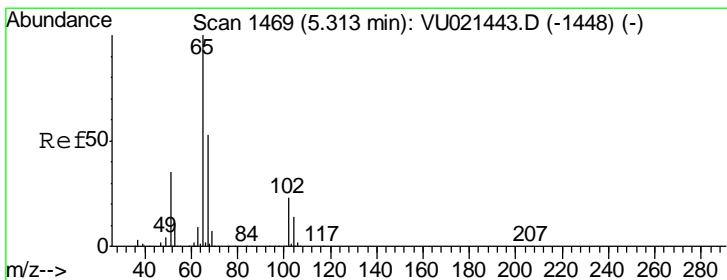
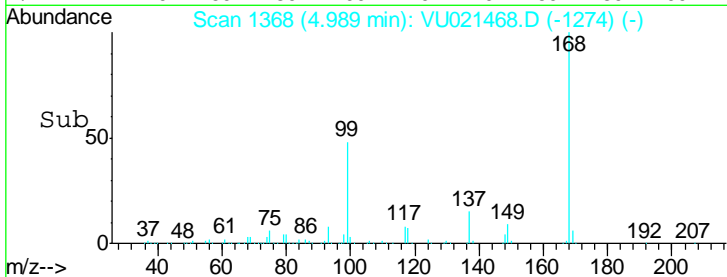
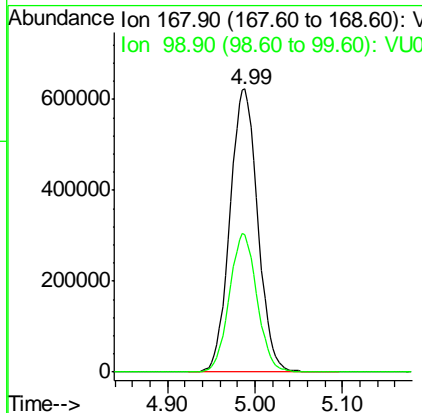
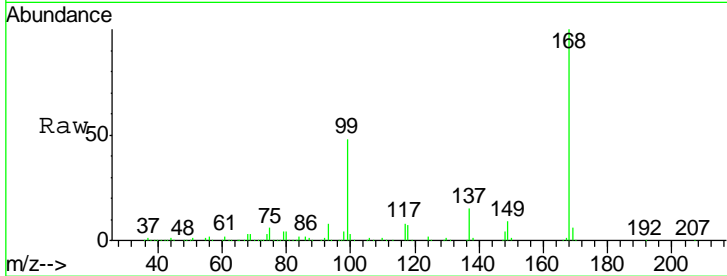




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU021468.D
 Acq: 04 Jan 2018 12:57

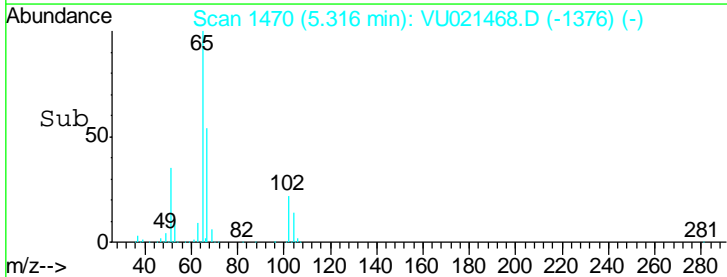
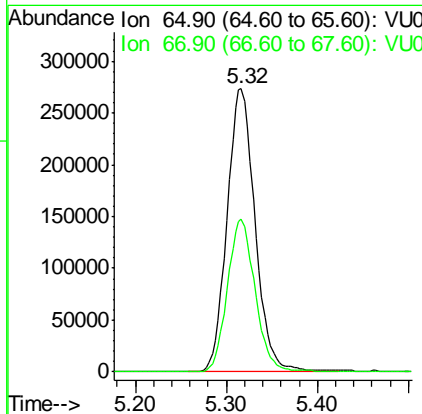
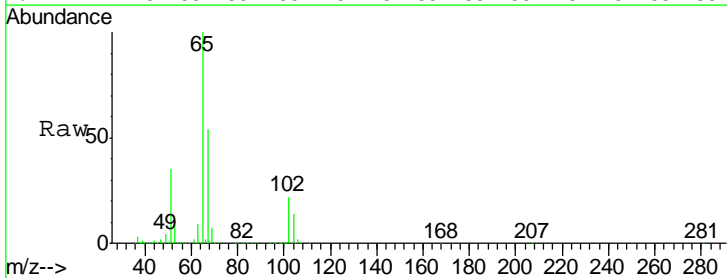
Instrument : MSVOA_U
 ClientSampleId : 927-TB127717

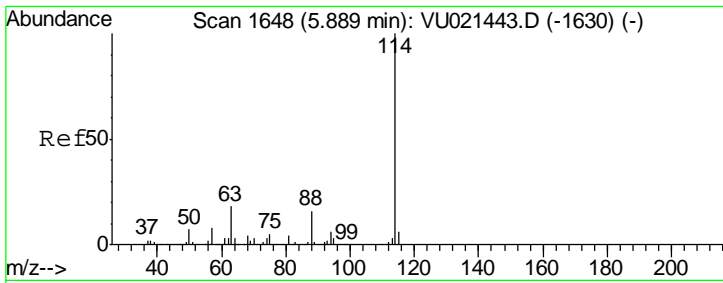
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.4	39.4	59.2



#33
 1,2-Dichloroethane-d4
 Concen: 49.99 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021468.D
 Acq: 04 Jan 2018 12:57

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.4	0.0	106.6

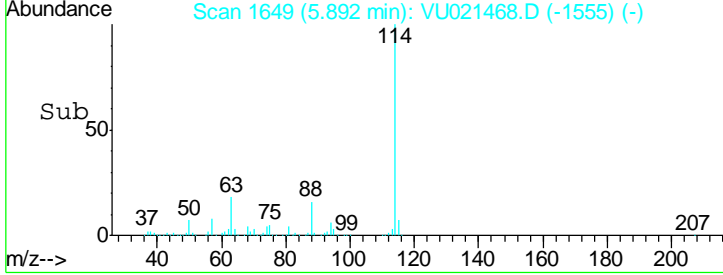
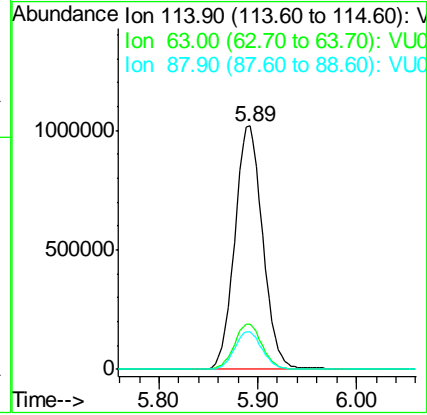
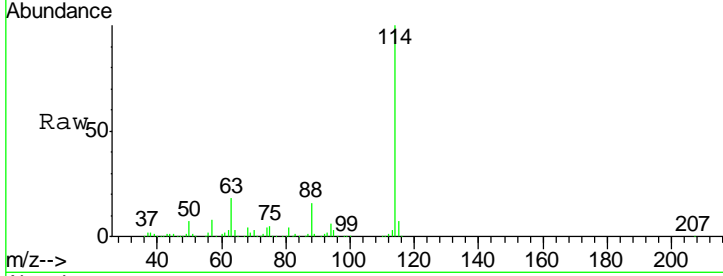




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU021468.D
 Acq: 04 Jan 2018 12:57

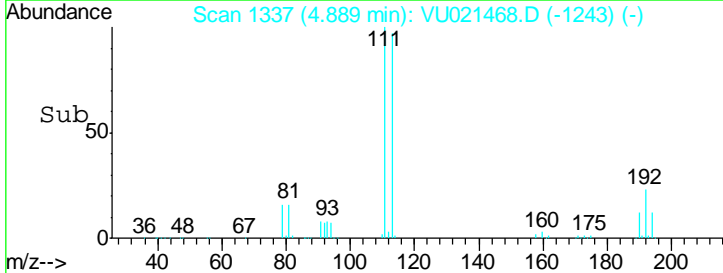
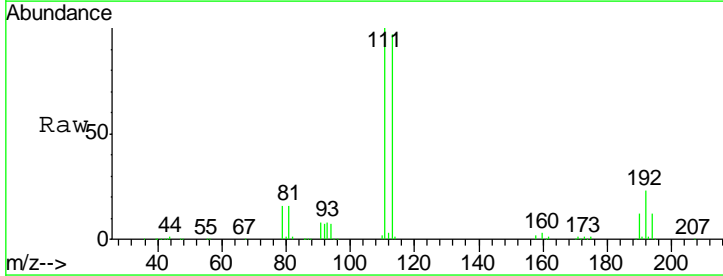
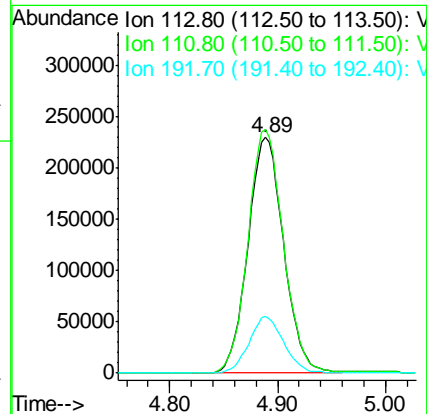
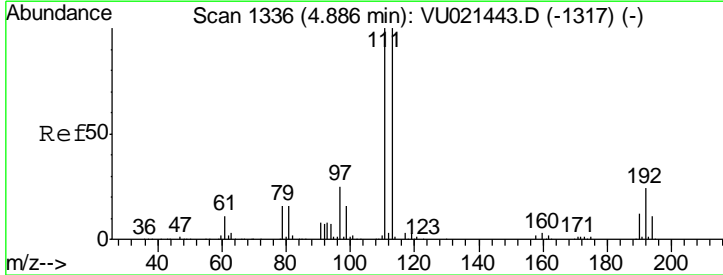
Instrument : MSVOA_U
 ClientSampleId : 927-TB127717

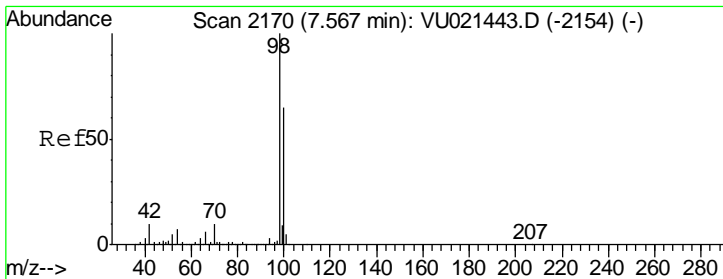
Tgt Ion	Resp	Lower	Upper
114	2015244		
63	18.4	0.0	36.6
88	15.7	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 47.37 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021468.D
 Acq: 04 Jan 2018 12:57

Tgt Ion	Resp	Lower	Upper
113	528518		
111	102.3	82.2	123.2
192	23.4	19.0	28.4

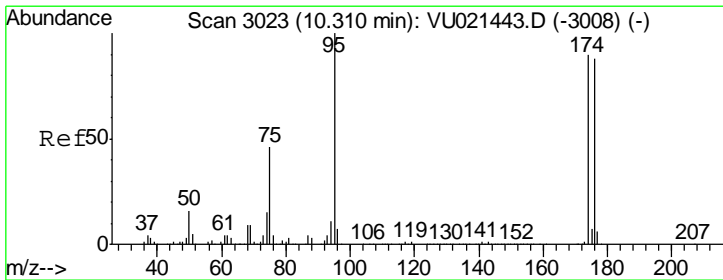
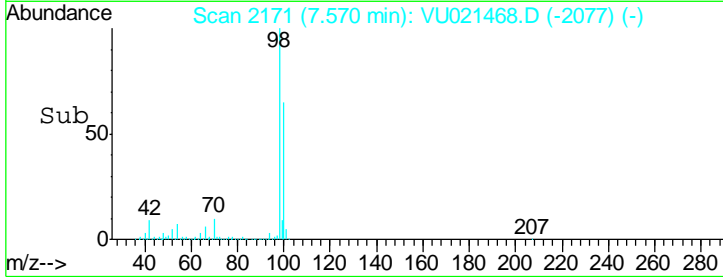
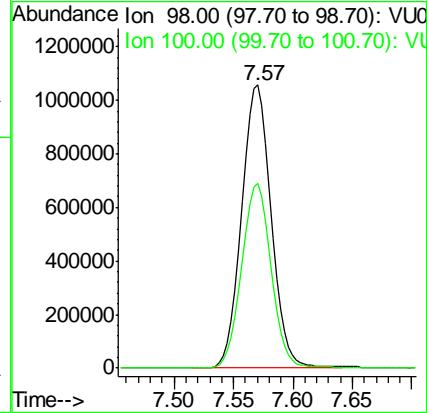
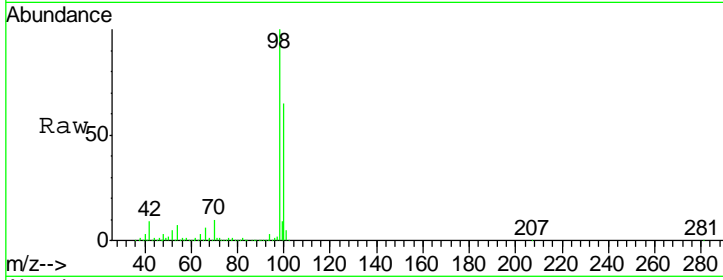




#50
 Toluene-d8
 Concen: 51.32 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021468.D
 Acq: 04 Jan 2018 12:57

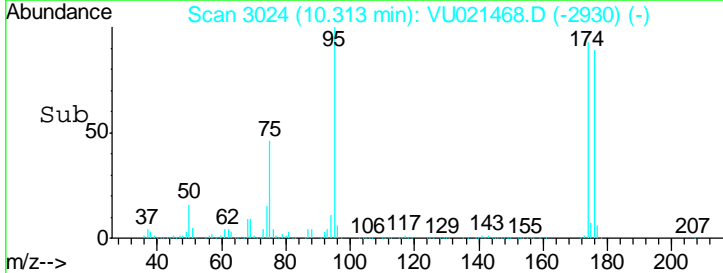
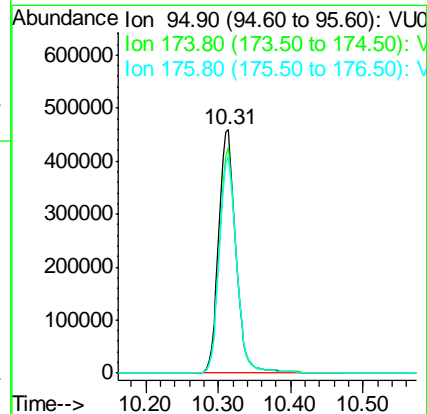
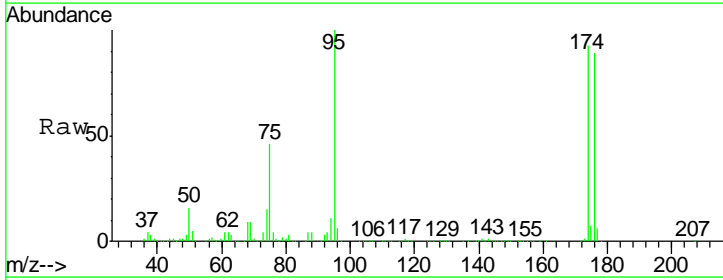
Instrument : MSVOA_U
 ClientSampleId : 927-TB127717

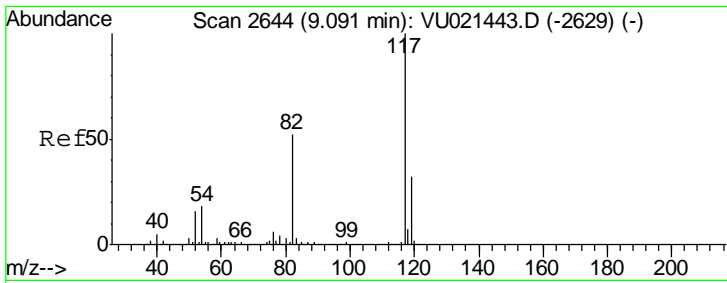
Tgt Ion	Resp	Lower	Upper
98	1825042		
100	65.3	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 45.63 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021468.D
 Acq: 04 Jan 2018 12:57

Tgt Ion	Resp	Lower	Upper
95	756164		
174	92.1	0.0	182.6
176	89.1	0.0	178.8



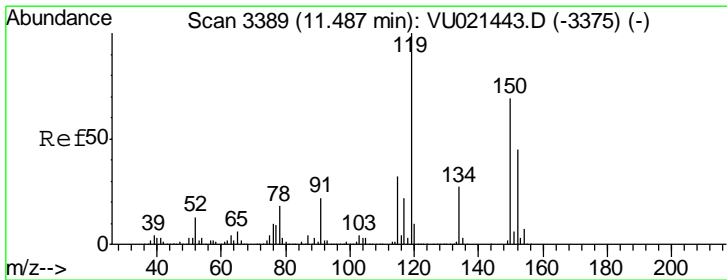
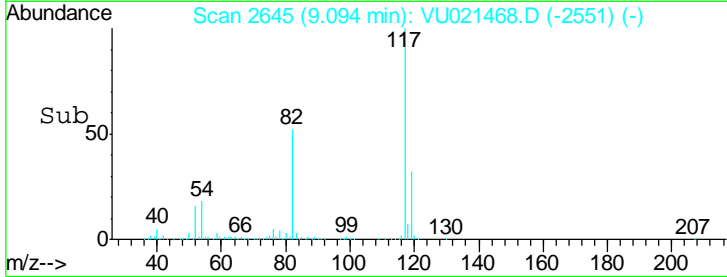
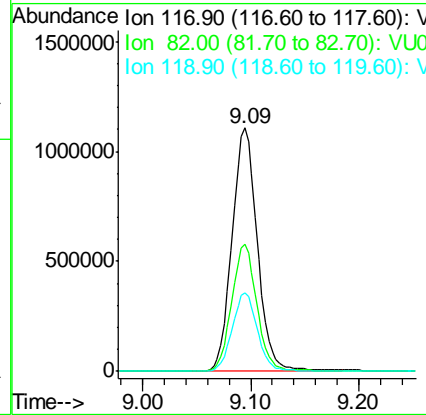
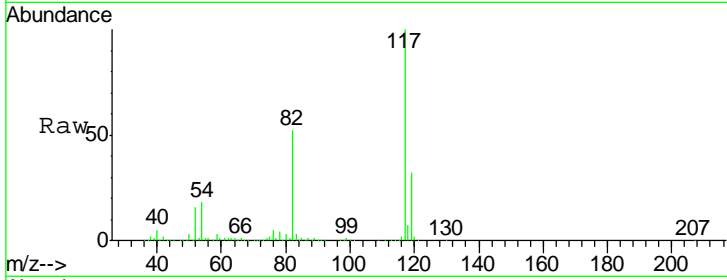


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021468.D
 Acq: 04 Jan 2018 12:57

Instrument : MSVOA_U
 ClientSampled : 927-TB127717

Tgt Ion:117 Resp: 1819393

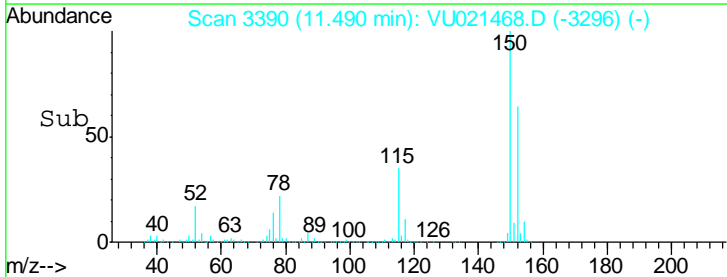
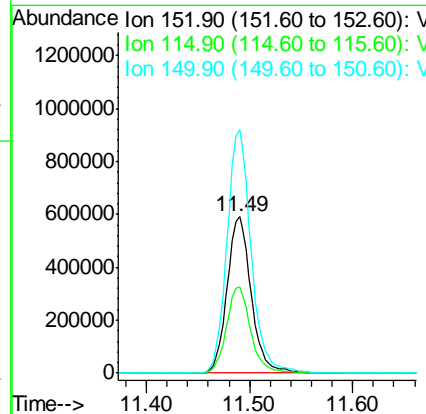
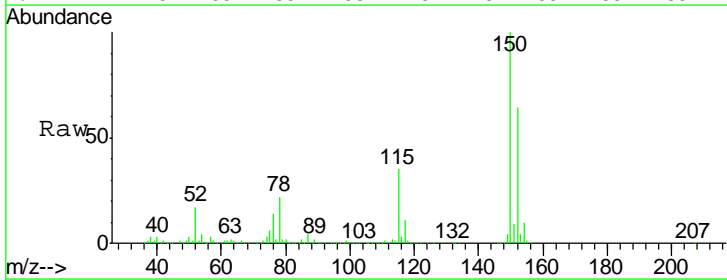
Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.4	62.0
119	32.4	25.7	38.5



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021468.D
 Acq: 04 Jan 2018 12:57

Tgt Ion:152 Resp: 963228

Ion	Ratio	Lower	Upper
152	100		
115	55.2	38.0	114.1
150	155.8	0.0	343.2



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021468.D
 Acq On : 04 Jan 2018 12:57
 Operator : MD/SY
 Sample : I7090-18
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 927-TB127717

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.085	137	154	178	rBV	1032381	1504822	27.65%	4.715%
2	4.889	1320	1337	1352	rBV	767518	1741955	32.01%	5.459%
3	4.985	1353	1367	1395	rVB	1646486	3622055	66.55%	11.350%
4	5.316	1454	1470	1500	rBV	749210	1596044	29.33%	5.001%
5	5.889	1623	1648	1678	rBV	2229408	4511133	82.89%	14.136%
6	7.570	2155	2171	2189	rBV	2650710	4603913	84.60%	14.427%
7	9.094	2631	2645	2687	rBV	3092667	5137558	94.40%	16.099%
8	10.313	3009	3024	3063	rBV	2217780	3675644	67.54%	11.518%
9	10.622	3106	3120	3133	rBV2	38985	77274	1.42%	0.242%
10	11.490	3377	3390	3423	rBV	3301606	5442270	100.00%	17.054%

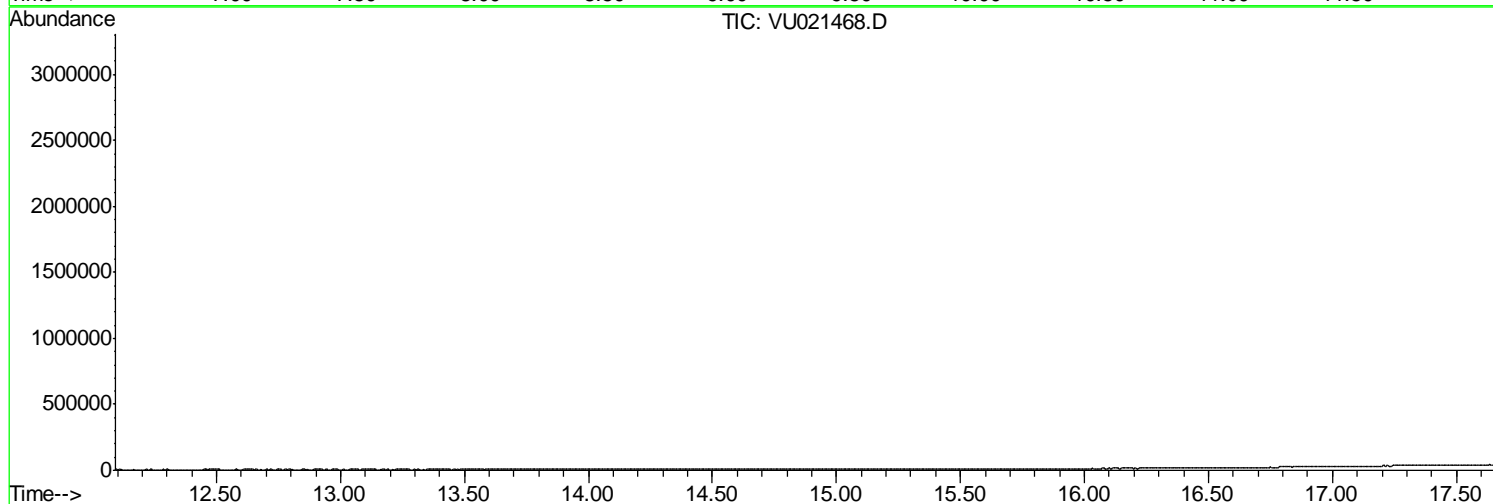
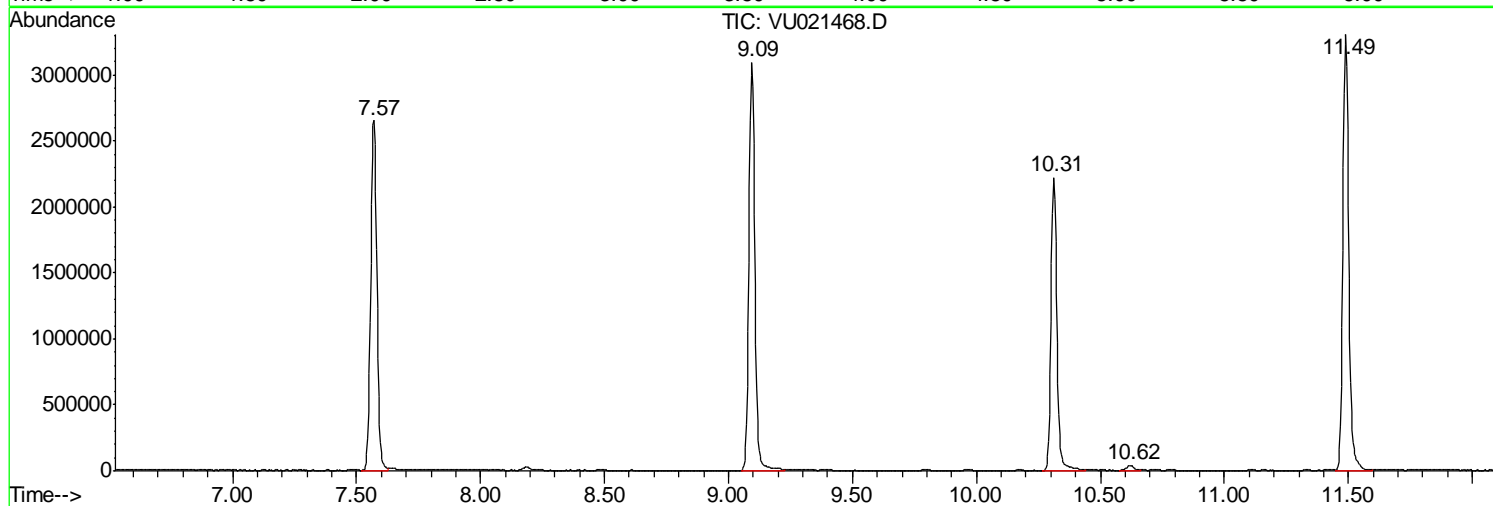
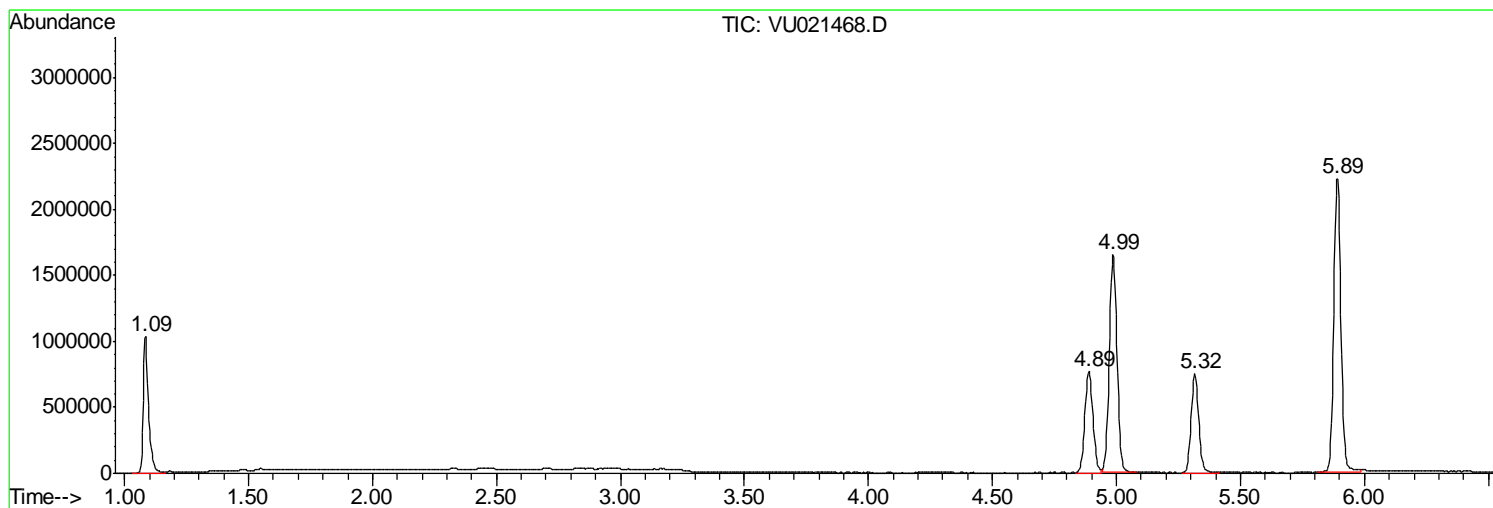
Sum of corrected areas: 31912668

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021468.D
Acq On : 04 Jan 2018 12:57
Operator : MD/SY
Sample : I7090-18
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
927-TB127717

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021468.D
Acq On : 04 Jan 2018 12:57
Operator : MD/SY
Sample : I7090-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
927-TB127717

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021468.D
 Acq On : 04 Jan 2018 12:57
 Operator : MD/SY
 Sample : I7090-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 927-TB127717

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

CALIBRATION SUMMARY

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: I7090 SAS No.: I7090 SDG No.: I7090
 Instrument ID: MSVOA_U Calibration Date(s): 01/03/2018 01/03/2018
 Heated Purge: (Y/N) N Calibration Time(s): 12:54 15:08
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VU021440.D	RRF005 = VU021441.D	RRF020 = VU021442.D	RRF050 = VU021443.D	RRF100 = VU021444.D	RRF150 = VU021445.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.471	0.427	0.377	0.391	0.397	0.384	0.408	8.7
Chloromethane	0.593	0.496	0.444	0.465	0.472	0.476	0.491	10.7
Vinyl Chloride	0.523	0.511	0.467	0.490	0.496	0.488	0.496	4
Bromomethane	0.416	0.376	0.326	0.320	0.300		0.348	13.6
Chloroethane	0.326	0.302	0.286	0.300	0.300	0.261	0.296	7.3
Trichlorofluoromethane	0.773	0.722	0.667	0.690	0.692	0.672	0.703	5.6
1,1,2-Trichlorotrifluoroethane	0.536	0.441	0.425	0.440	0.438	0.422	0.450	9.5
1,1-Dichloroethene	0.445	0.442	0.392	0.416	0.419	0.406	0.420	4.9
Acetone	0.261	0.246	0.252	0.257	0.260	0.246	0.253	2.7
Carbon Disulfide	1.321	1.197	1.103	1.179	1.214	1.195	1.202	5.8
Methyl tert-butyl Ether	1.518	1.462	1.348	1.395	1.408	1.357	1.415	4.6
Methyl Acetate	0.521	0.552	0.511	0.547	0.565	0.550	0.541	3.8
Methylene Chloride	0.558	0.482	0.441	0.458	0.461	0.447	0.475	9.1
trans-1,2-Dichloroethene	0.484	0.453	0.430	0.448	0.450	0.435	0.450	4.2
1,1-Dichloroethane	0.855	0.788	0.746	0.775	0.787	0.769	0.787	4.7
Cyclohexane	1.532	0.829	0.691	0.689	0.696	0.668	0.851	39.8
2-Butanone	0.305	0.322	0.311	0.326	0.340	0.327	0.322	3.9
Carbon Tetrachloride	0.419	0.404	0.408	0.419	0.440	0.426	0.419	3.1
cis-1,2-Dichloroethene	0.570	0.530	0.484	0.517	0.525	0.510	0.523	5.4
Bromochloromethane	0.344	0.322	0.331	0.314	0.332	0.324	0.328	3.1
Chloroform	0.846	0.809	0.773	0.812	0.816	0.797	0.809	3
1,1,1-Trichloroethane	0.741	0.694	0.674	0.711	0.727	0.713	0.710	3.3
Methylcyclohexane	0.545	0.541	0.531	0.525	0.543	0.519	0.534	2
Benzene	1.333	1.258	1.222	1.230	1.258	1.214	1.253	3.5
1,2-Dichloroethane	0.449	0.434	0.419	0.422	0.427	0.410	0.427	3.1
Trichloroethene	0.425	0.381	0.366	0.368	0.374	0.360	0.379	6.2
1,2-Dichloropropane	0.356	0.313	0.304	0.315	0.317	0.306	0.318	5.9
Bromodichloromethane	0.394	0.385	0.393	0.415	0.435	0.420	0.407	4.7
4-Methyl-2-Pentanone	0.366	0.383	0.385	0.393	0.406	0.392	0.387	3.4
Toluene	0.824	0.815	0.789	0.798	0.814	0.782	0.804	2.1
t-1,3-Dichloropropene	0.404	0.408	0.441	0.475	0.505	0.496	0.455	9.6
cis-1,3-Dichloropropene	0.444	0.462	0.485	0.516	0.535	0.517	0.493	7.2
1,1,2-Trichloroethane	0.320	0.316	0.311	0.321	0.327	0.316	0.319	1.6

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: I7090 SAS No.: I7090 SDG No.: I7090
 Instrument ID: MSVOA_U Calibration Date(s): 01/03/2018 01/03/2018
 Heated Purge: (Y/N) N Calibration Time(s): 12:54 15:08
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VU021440.D	RRF005 = VU021441.D	RRF020 = VU021442.D	RRF050 = VU021443.D	RRF100 = VU021444.D	RRF150 = VU021445.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.278	0.290	0.302	0.310	0.327	0.321	0.305	6.1
Dibromochloromethane	0.299	0.302	0.324	0.353	0.372	0.368	0.336	9.6
1,2-Dibromoethane	0.343	0.330	0.344	0.359	0.368	0.356	0.350	3.9
Tetrachloroethene	0.431	0.421	0.381	0.380	0.380	0.366	0.393	6.7
Chlorobenzene	1.130	1.035	0.993	1.006	1.023	0.985	1.029	5.2
Ethyl Benzene	1.787	1.707	1.691	1.697	1.710	1.643	1.706	2.7
m/p-Xylenes	0.711	0.649	0.651	0.661	0.664	0.641	0.663	3.7
o-Xylene	0.639	0.632	0.629	0.637	0.649	0.628	0.636	1.3
Styrene	1.040	1.012	1.063	1.069	1.097	1.072	1.059	2.8
Bromoform	0.255	0.261	0.279	0.309	0.339	0.346	0.298	13.2
Isopropylbenzene	3.373	3.291	3.145	3.156	3.101	2.860	3.154	5.6
1,1,2,2-Tetrachloroethane	0.982	0.989	0.963	0.968	0.989	0.972	0.977	1.1
1,3-Dichlorobenzene	1.650	1.594	1.546	1.564	1.579	1.519	1.575	2.8
1,4-Dichlorobenzene	1.781	1.647	1.561	1.563	1.598	1.536	1.614	5.6
1,2-Dichlorobenzene	1.674	1.589	1.507	1.533	1.576	1.523	1.567	3.9
1,2-Dibromo-3-Chloropropane	0.178	0.201	0.202	0.219	0.242	0.222	0.211	10.4
1,2,4-Trichlorobenzene	1.034	1.059	1.101	1.167	1.214	1.138	1.119	6
1,2,3-Trichlorobenzene	1.060	1.043	1.058	1.109	1.153	1.097	1.087	3.8
1,2-Dichloroethane-d4	0.460	0.358	0.436	0.429	0.445	0.432	0.427	8.3
Dibromofluoromethane	0.303	0.250	0.283	0.269	0.284	0.273	0.277	6.4
Toluene-d8	0.814	0.675	0.976	0.929	0.970	0.931	0.882	13.3
4-Bromofluorobenzene	0.480	0.367	0.412	0.390	0.414	0.404	0.411	9.2

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : W:\HPCHEM1\MSVOA U\METHOD\
 Method File : 82U010318W.M
 Title : SW846 8260
 Last Update : Wed Jan 03 15:42:05 2018
 Response Via : Initial Calibration

Calibration Files

1 =VU021440.D 5 =VU021441.D 20 =VU021442.D
 50 =VU021443.D 100 =VU021444.D 150 =VU021445.D

Compound	1	5	20	50	100	150	Avg	%RSD
-----ISTD-----								
1) I Pentafluorobenzene								
2) T Dichlorodifluorom	0.471	0.427	0.377	0.391	0.397	0.384	0.408	8.72
3) P Chloromethane	0.593	0.496	0.444	0.465	0.472	0.476	0.491	10.69
4) C Vinyl Chloride	0.523	0.511	0.467	0.490	0.496	0.488	0.496	3.95#
5) T Bromomethane	0.416	0.376	0.326	0.320	0.300		0.348	13.62
6) T Chloroethane	0.326	0.302	0.286	0.300	0.300	0.261	0.296	7.28
7) T Trichlorofluorome	0.773	0.722	0.667	0.690	0.692	0.672	0.703	5.65
8) T Diethyl Ether	0.295	0.313	0.278	0.290	0.292	0.282	0.292	4.27
9) T 1,1,2-Trichlorotr	0.536	0.441	0.425	0.440	0.438	0.422	0.450	9.45
10) T Methyl Iodide		0.453	0.524	0.615	0.658	0.647	0.579	15.19
11) T Tert butyl alcoho		0.116	0.101	0.102	0.106	0.106	0.106	5.52
12) CM 1,1-Dichloroethen	0.445	0.442	0.392	0.416	0.419	0.406	0.420	4.91#
13) T Acrolein		0.094	0.070	0.072	0.074	0.070	0.076	13.04
14) T Allyl chloride	0.667	0.634	0.590	0.626	0.696	0.668	0.647	5.83
15) T Acrylonitrile	0.248	0.250	0.231	0.244	0.251	0.240	0.244	3.01
16) T Acetone	0.261	0.246	0.252	0.257	0.260	0.246	0.253	2.70
17) T Carbon Disulfide	1.321	1.197	1.103	1.179	1.214	1.195	1.202	5.84
18) T Methyl Acetate	0.521	0.552	0.511	0.547	0.565	0.550	0.541	3.84
19) T Methyl tert-butyl	1.518	1.462	1.348	1.395	1.408	1.357	1.415	4.61
20) T Methylene Chlorid	0.558	0.482	0.441	0.458	0.461	0.447	0.475	9.08
21) T trans-1,2-Dichlor	0.484	0.453	0.430	0.448	0.450	0.435	0.450	4.18
22) T Diisopropyl ether	1.356	1.267	1.204	1.257	1.271	1.238	1.265	4.01
23) T Vinyl Acetate	0.992	1.010	0.975	1.012	1.055	1.006	1.008	2.64
24) P 1,1-Dichloroethan	0.855	0.788	0.746	0.775	0.787	0.769	0.787	4.71
25) T 2-Butanone	0.305	0.322	0.311	0.326	0.340	0.327	0.322	3.89
26) T 2,2-Dichloropropa	0.692	0.646	0.648	0.679	0.700	0.678	0.674	3.31
27) T cis-1,2-Dichloroe	0.570	0.530	0.484	0.517	0.525	0.510	0.523	5.40
28) T Bromochloromethan	0.344	0.322	0.331	0.314	0.332	0.324	0.328	3.12
29) T Tetrahydrofuran	0.200	0.189	0.178	0.184	0.191	0.185	0.188	3.91
30) C Chloroform	0.846	0.809	0.773	0.812	0.816	0.797	0.809	2.97#
31) T Cyclohexane	1.532	0.829	0.691	0.689	0.696	0.668	0.851	39.77
32) T 1,1,1-Trichloroet	0.741	0.694	0.674	0.711	0.727	0.713	0.710	3.33
33) S 1,2-Dichloroethan	0.460	0.358	0.436	0.429	0.445	0.432	0.427	8.31
-----ISTD-----								
34) I 1,4-Difluorobenzene								
35) S Dibromofluorometh	0.303	0.250	0.283	0.269	0.284	0.273	0.277	6.37
36) T 1,1-Dichloroprope	0.469	0.419	0.418	0.419	0.428	0.413	0.428	4.83
37) T Ethyl Acetate	0.372	0.376	0.380	0.377	0.391	0.375	0.379	1.80
38) T Carbon Tetrachlor	0.419	0.404	0.408	0.419	0.440	0.426	0.419	3.13
39) T Methylcyclohexane	0.545	0.541	0.531	0.525	0.543	0.519	0.534	2.01
40) TM Benzene	1.333	1.258	1.222	1.230	1.258	1.214	1.253	3.48
41) T Methacrylonitrile	0.195	0.202	0.208	0.208	0.221	0.212	0.208	4.27
42) TM 1,2-Dichloroethan	0.449	0.434	0.419	0.422	0.427	0.410	0.427	3.11
43) T Isopropyl Acetate	0.654	0.606	0.610	0.631	0.656	0.639	0.633	3.37
44) TM Trichloroethene	0.425	0.381	0.366	0.368	0.374	0.360	0.379	6.25
45) C 1,2-Dichloropropa	0.356	0.313	0.304	0.315	0.317	0.306	0.318	5.95#
46) T Dibromomethane	0.221	0.224	0.212	0.223	0.230	0.222	0.222	2.61
47) T Bromodichlorometh	0.394	0.385	0.393	0.415	0.435	0.420	0.407	4.71
48) T Methyl methacryla	0.309	0.303	0.305	0.317	0.332	0.320	0.314	3.46
49) T 1,4-Dioxane	0.007	0.008	0.008	0.008	0.008	0.008	0.008	4.26
50) S Toluene-d8	0.814	0.675	0.976	0.929	0.970	0.931	0.882	13.30
51) T 4-Methyl-2-Pentan	0.366	0.383	0.385	0.393	0.406	0.392	0.387	3.40
52) CM Toluene	0.824	0.815	0.789	0.798	0.814	0.782	0.804	2.08#

Method Path : W:\HPCHEM1\MSVOA U\METHOD\
 Method File : 82U010318W.M
 Title : SW846 8260
 Last Update : Wed Jan 03 15:42:05 2018
 Response Via : Initial Calibration

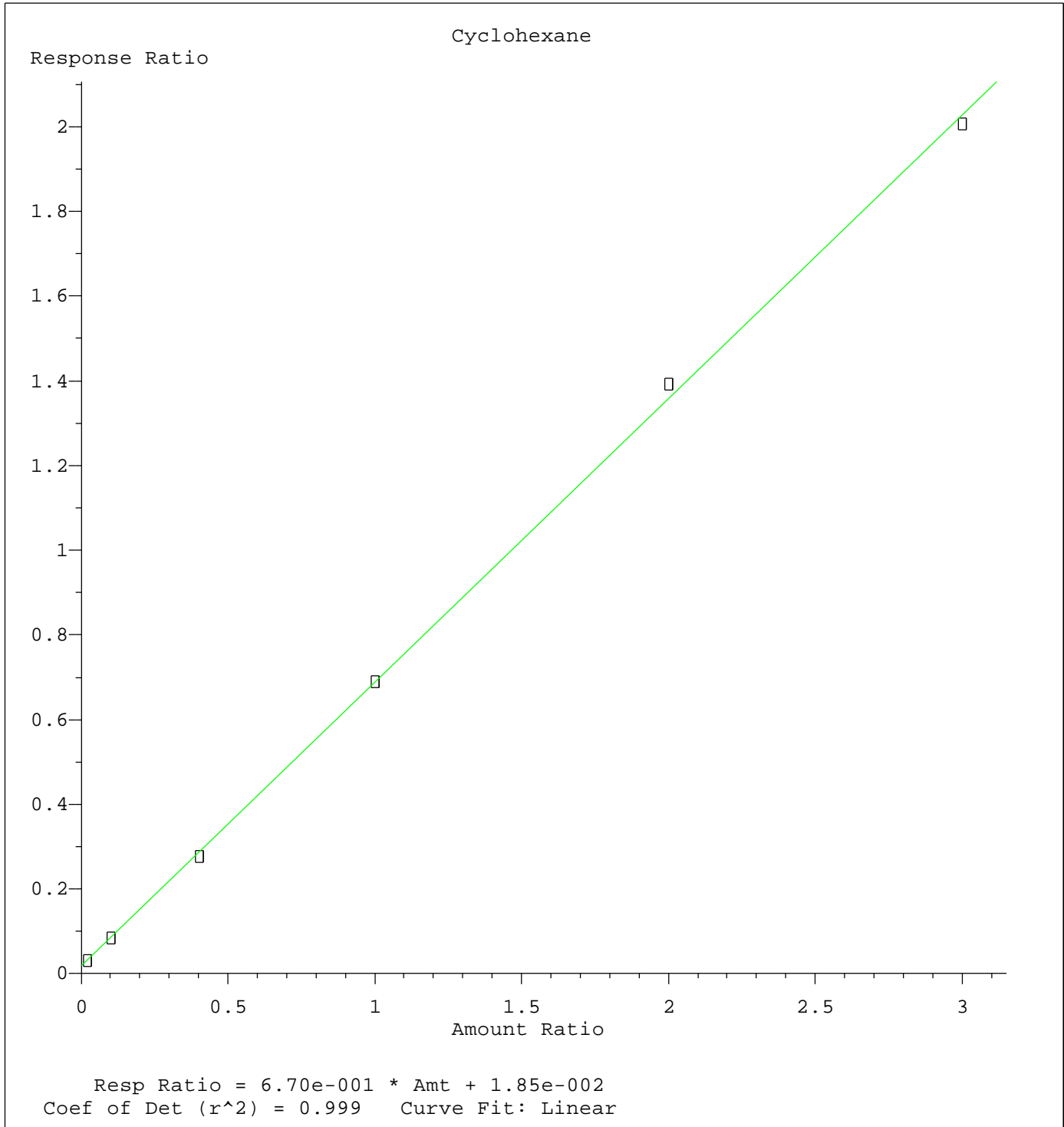
Calibration Files

1 =VU021440.D 5 =VU021441.D 20 =VU021442.D
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	Compound	1	5	20	50	100	150	Avg	%RSD
53) T	t-1,3-Dichloropro	0.404	0.408	0.441	0.475	0.505	0.496	0.455	9.61
54) T	cis-1,3-Dichlorop	0.444	0.462	0.485	0.516	0.535	0.517	0.493	7.24
55) T	1,1,2-Trichloroet	0.320	0.316	0.311	0.321	0.327	0.316	0.319	1.62
56) T	Ethyl methacrylat	0.450	0.452	0.471	0.490	0.513	0.498	0.479	5.30
57) T	1,3-Dichloropropa	0.539	0.518	0.517	0.530	0.539	0.520	0.527	1.97
58) T	2-Chloroethyl Vin	0.140	0.168	0.178	0.186	0.203	0.201	0.179	13.11
59) T	2-Hexanone	0.278	0.290	0.302	0.310	0.327	0.321	0.305	6.15
60) T	Dibromochlorometh	0.299	0.302	0.324	0.353	0.372	0.368	0.336	9.61
61) T	1,2-Dibromoethane	0.343	0.330	0.344	0.359	0.368	0.356	0.350	3.85
62) S	4-Bromofluorobenz	0.480	0.367	0.412	0.390	0.414	0.404	0.411	9.20
63) I	Chlorobenzene-d5	-----ISTD-----							
64) T	Tetrachloroethene	0.431	0.421	0.381	0.380	0.380	0.366	0.393	6.70
65) PM	Chlorobenzene	1.130	1.035	0.993	1.006	1.023	0.985	1.029	5.15
66) T	1,1,1,2-Tetrachlo	0.346	0.339	0.341	0.357	0.366	0.360	0.352	3.12
67) C	Ethyl Benzene	1.787	1.707	1.691	1.697	1.710	1.643	1.706	2.74#
68) T	m/p-Xylenes	0.711	0.649	0.651	0.661	0.664	0.641	0.663	3.74
69) T	o-Xylene	0.639	0.632	0.629	0.637	0.649	0.628	0.636	1.25
70) T	Styrene	1.040	1.012	1.063	1.069	1.097	1.072	1.059	2.76
71) P	Bromoform	0.255	0.261	0.279	0.309	0.339	0.346	0.298	13.16
72) I	1,4-Dichlorobenzene-d	-----ISTD-----							
73) T	Isopropylbenzene	3.373	3.291	3.145	3.156	3.101	2.860	3.154	5.60
74) T	N-amyl acetate	0.907	1.009	1.054	1.120	1.174	1.151	1.069	9.40
75) P	1,1,2,2-Tetrachlo	0.982	0.989	0.963	0.968	0.989	0.972	0.977	1.11
76) T	1,2,3-Trichloropr	0.878	0.821	0.806	0.777	0.780	0.808	0.812	4.51
77) T	Bromobenzene	0.947	0.879	0.866	0.852	0.849	0.802	0.866	5.52
78) T	n-propylbenzene	3.763	3.692	3.646	3.631	3.603	3.339	3.612	4.02
79) T	2-Chlorotoluene	2.237	2.233	2.112	2.106	2.093	1.952	2.122	4.98
80) T	1,3,5-Trimethylbe	2.793	2.720	2.660	2.638	2.644	2.463	2.653	4.14
81) T	trans-1,4-Dichlor	0.254	0.187	0.220	0.236	0.335	0.343	0.262	24.11
82) T	4-Chlorotoluene	2.586	2.572	2.496	2.504	2.491	2.338	2.498	3.53
83) T	tert-Butylbenzene	2.807	2.622	2.573	2.622	2.626	2.479	2.621	4.08
84) T	1,2,4-Trimethylbe	2.864	2.708	2.682	2.701	2.707	2.535	2.699	3.86
85) T	sec-Butylbenzene	3.309	3.275	3.180	3.203	3.227	3.019	3.202	3.17
86) T	p-Isopropyltoluen	2.985	2.918	2.888	2.900	2.942	2.784	2.903	2.32
87) T	1,3-Dichlorobenze	1.650	1.594	1.546	1.564	1.579	1.519	1.575	2.84
88) T	1,4-Dichlorobenze	1.781	1.647	1.561	1.563	1.598	1.536	1.614	5.60
89) T	n-Butylbenzene	2.502	2.506	2.531	2.596	2.674	2.553	2.561	2.56
90) T	Hexachloroethane	0.408	0.407	0.436	0.468	0.504	0.495	0.453	9.38
91) T	1,2-Dichlorobenze	1.674	1.589	1.507	1.533	1.576	1.523	1.567	3.89
92) T	1,2-Dibromo-3-Chl	0.178	0.201	0.202	0.219	0.242	0.222	0.211	10.44
93) T	1,2,4-Trichlorobe	1.034	1.059	1.101	1.167	1.214	1.138	1.119	6.03
94) T	Hexachlorobutadie	0.558	0.527	0.520	0.526	0.555	0.512	0.533	3.57
95) T	Naphthalene	2.397	2.646	2.866	3.136	3.297	3.108	2.909	11.66
96) T	1,2,3-Trichlorobe	1.060	1.043	1.058	1.109	1.153	1.097	1.087	3.75

(#) = Out of Range

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Method Name: W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Calibration Table Last Updated: Wed Jan 03 15:42:05 2018

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021440.D
 Acq On : 03 Jan 2018 12:54
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC001

Manual Integrations
 APPROVED

sam
 1/4/2018 11:18:32 AM

Quant Time: Jan 03 15:19:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1420853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	2072921	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1869408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	984154	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	13073	1.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.06%	
35) Dibromofluoromethane	4.89	113	12547	0.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.98%	
50) Toluene-d8	7.57	98	33728	0.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.58%	
62) 4-Bromofluorobenzene	10.31	95	19883	1.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	13396	1.13	ug/l	96
3) Chloromethane	1.33	50	16840	1.22	ug/l	94
4) Vinyl Chloride	1.40	62	14873	1.07	ug/l	97
5) Bromomethane	1.63	94	11824	0.92	ug/l	93
6) Chloroethane	1.70	64	9257	1.07	ug/l #	83
7) Trichlorofluoromethane	1.89	101	21971	0.95	ug/l	98
8) Diethyl Ether	2.10	74	8377	0.98	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	15224	1.08	ug/l	95
12) 1,1-Dichloroethene	2.29	96	12654	0.93	ug/l	94
14) Allyl chloride	2.60	41	18946	1.07	ug/l	97
15) Acrylonitrile	2.94	53	35195	5.32	ug/l	99
16) Acetone	2.32	43	37019	5.07	ug/l	97
17) Carbon Disulfide	2.48	76	37536	0.96	ug/l	99
18) Methyl Acetate	2.62	43	14796	1.02	ug/l #	87
19) Methyl tert-butyl Ether	3.00	73	43148	1.00	ug/l	94
20) Methylene Chloride	2.70	84	15857	1.12	ug/l	88
21) trans-1,2-Dichloroethene	2.99	96	13740	0.97	ug/l	86
22) Diisopropyl ether	3.58	45	38532	1.18	ug/l #	84
23) Vinyl Acetate	3.53	43	140928	5.33	ug/l #	89
24) 1,1-Dichloroethane	3.45	63	24301	1.17	ug/l	98
25) 2-Butanone	4.28	43	43372	5.53	ug/l #	84
26) 2,2-Dichloropropane	4.23	77	19673	1.01	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	16197	1.14	ug/l	95
28) Bromochloromethane	4.55	49	9775	1.08	ug/l	90
29) Tetrahydrofuran	4.65	42	28416	6.05	ug/l	92
30) Chloroform	4.68	83	24034	1.06	ug/l	100
31) Cyclohexane	4.99	56	43522	1.90	ug/l #	21
32) 1,1,1-Trichloroethane	4.92	97	21054	1.01	ug/l #	47
36) 1,1-Dichloropropene	5.14	75	19426	1.11	ug/l	96
37) Ethyl Acetate	4.40	43	15405	1.08	ug/l #	91
38) Carbon Tetrachloride	5.13	117	17355	0.89	ug/l	97
39) Methylcyclohexane	6.42	83	22605	0.98	ug/l	96
40) Benzene	5.39	78	55265	1.06	ug/l	93
41) Methacrylonitrile	4.55	41	8083	0.99	ug/l #	83

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021440.D
 Acq On : 03 Jan 2018 12:54
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC001

Manual Integrations
 APPROVED

Sam
 1/4/2018 11:18:32 AM

Quant Time: Jan 03 15:19:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.41	62	18607	1.05	ug/l	98
43) Isopropyl Acetate	5.56	43	27119	1.06	ug/l	99
44) Trichloroethene	6.19	130	17636	1.07	ug/l	92
45) 1,2-Dichloropropane	6.44	63	14747	1.14	ug/l	98
46) Dibromomethane	6.57	93	9173	0.95	ug/l	92
47) Bromodichloromethane	6.76	83	16355	0.90	ug/l #	96
48) Methyl methacrylate	6.63	41	12822	1.05	ug/l	95
49) 1,4-Dioxane	6.63	88	6067	19.60	ug/l #	95
51) 4-Methyl-2-Pentanone	7.47	43	75924	4.95	ug/l	93
52) Toluene	7.64	92	34180	0.99	ug/l	98
53) t-1,3-Dichloropropene	7.89	75	16754	0.83	ug/l	93
54) cis-1,3-Dichloropropene	7.28	75	18391	0.85	ug/l	95
55) 1,1,2-Trichloroethane	8.08	97	13266	0.96	ug/l	94
56) Ethyl methacrylate	8.03	69	18661	0.97	ug/l	95
57) 1,3-Dichloropropane	8.25	76	22358	1.03	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.14	63	28973	4.56	ug/l	94
59) 2-Hexanone	8.37	43	57562	4.77	ug/l	99
60) Dibromochloromethane	8.48	129	12416	0.77	ug/l	96
61) 1,2-Dibromoethane	8.59	107	14233	0.94	ug/l	99
64) Tetrachloroethene	8.23	164	16122	1.01	ug/l	97
65) Chlorobenzene	9.12	112	42242	1.09	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.21	131	12940	0.90	ug/l #	66
67) Ethyl Benzene	9.26	91	66818	1.03	ug/l	98
68) m/p-Xylenes	9.38	106	53129	2.08	ug/l	95
69) o-Xylene	9.79	106	23874	0.95	ug/l	92
70) Styrene	9.80	104	38892	0.95	ug/l	98
71) Bromoform	9.97	173	9542	0.72	ug/l #	99
73) Isopropylbenzene	10.17	105	66397	1.05	ug/l	98
74) N-amyl acetate	10.02	43	17858	0.94	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	19325	1.03	ug/l	96
76) 1,2,3-Trichloropropane	10.50	75	17285m	1.13	ug/l	
77) Bromobenzene	10.46	156	18648	1.06	ug/l	93
78) n-propylbenzene	10.59	91	74058	1.07	ug/l	97
79) 2-Chlorotoluene	10.67	91	44034	1.06	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	54967	1.04	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.52	75	4993m	0.91	ug/l	
82) 4-Chlorotoluene	10.78	91	50904	1.06	ug/l	97
83) tert-Butylbenzene	11.10	119	55245	1.04	ug/l	99
84) 1,2,4-Trimethylbenzene	11.16	105	56365	1.07	ug/l	92
85) sec-Butylbenzene	11.33	105	65131	1.03	ug/l	97
86) p-Isopropyltoluene	11.48	119	58756	1.01	ug/l	95
87) 1,3-Dichlorobenzene	11.42	146	32471	1.00	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	35054m	1.05	ug/l	
89) n-Butylbenzene	11.90	91	49243	1.03	ug/l	98
90) Hexachloroethane	12.15	117	8025	0.78	ug/l	89
91) 1,2-Dichlorobenzene	11.89	146	32941	1.03	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.67	75	3511	0.88	ug/l	94
93) 1,2,4-Trichlorobenzene	13.51	180	20360	0.96	ug/l	99
94) Hexachlorobutadiene	13.70	225	10982	0.94	ug/l	95
95) Naphthalene	13.75	128	47189	0.94	ug/l	98

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021440.D
 Acq On : 03 Jan 2018 12:54
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED
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 1/4/2018 11:18:32 AM

Quant Time: Jan 03 15:19:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.00	180	20865	1.01	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

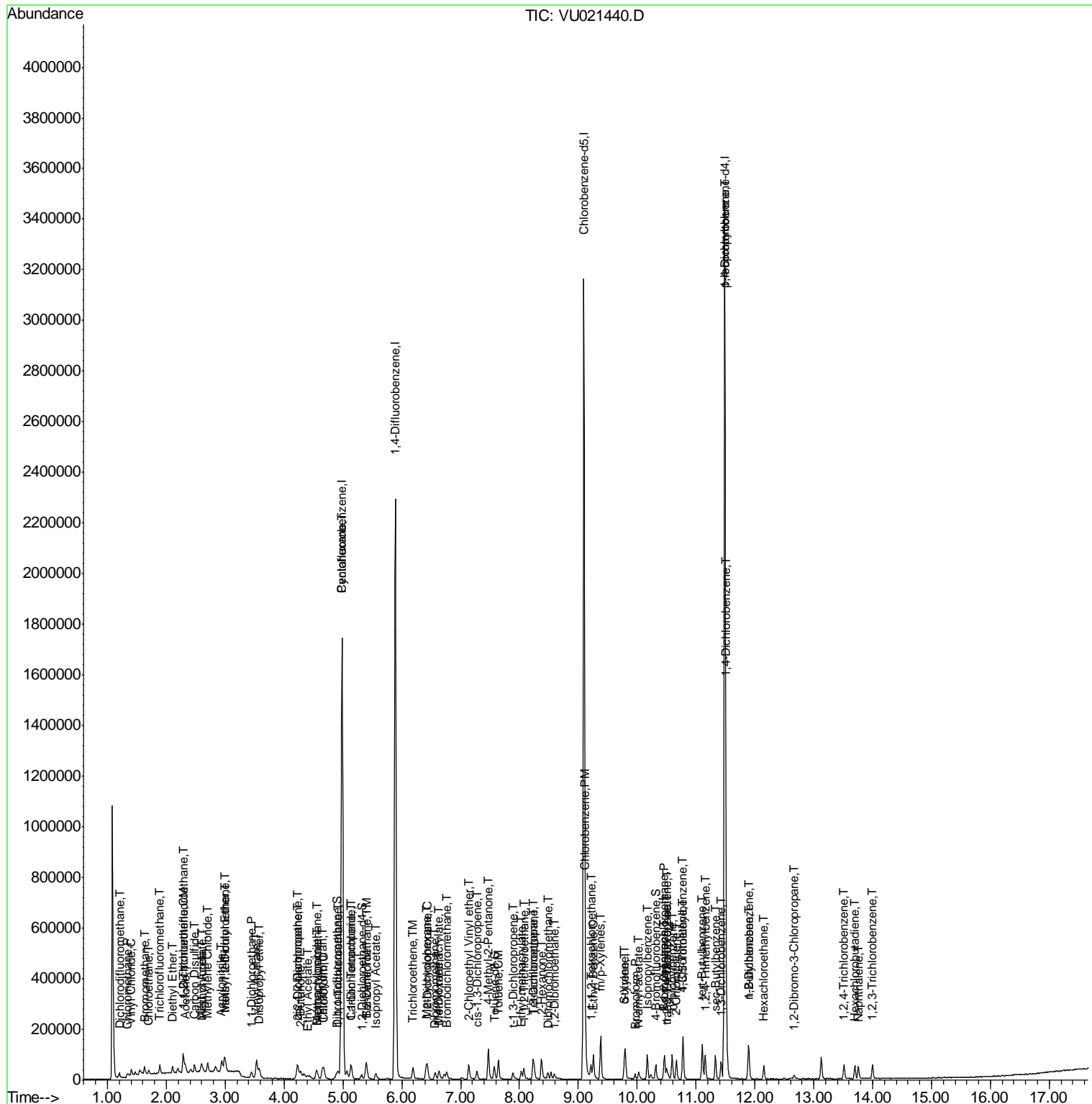
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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
Data File : VU021440.D
Acq On : 03 Jan 2018 12:54
Operator : MD/SY
Sample : VSTDIC001
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

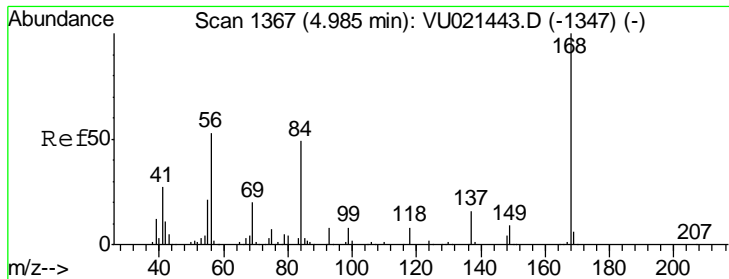
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Client Sampled : VSTDIC001

Manual Integrations APPROVED
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1/4/2018 11:18:32 AM

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Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 14:44:05 2018
Response via : Initial Calibration



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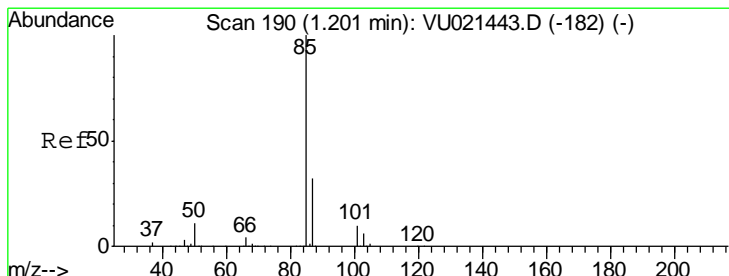
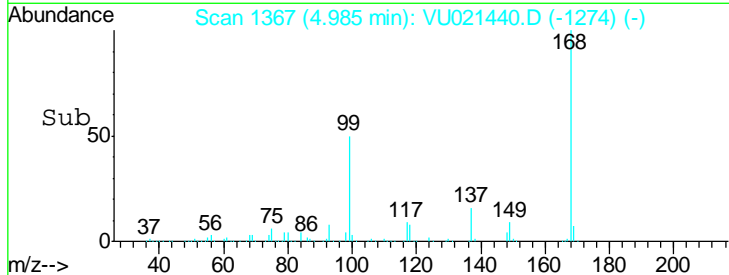
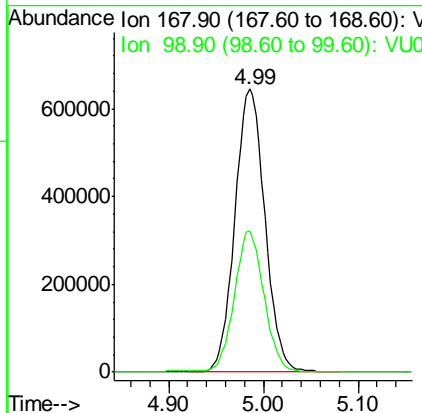
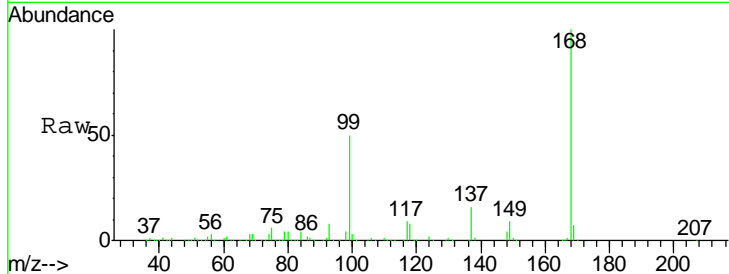
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.6	40.2	60.2

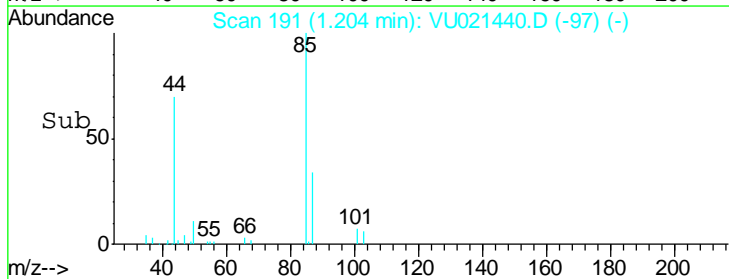
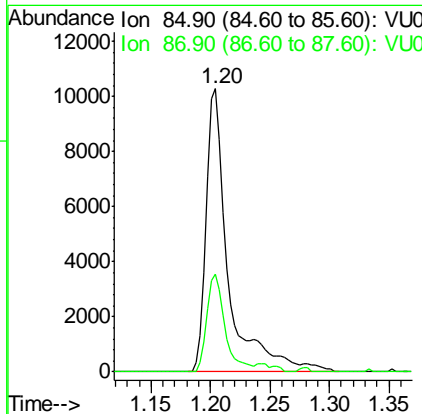
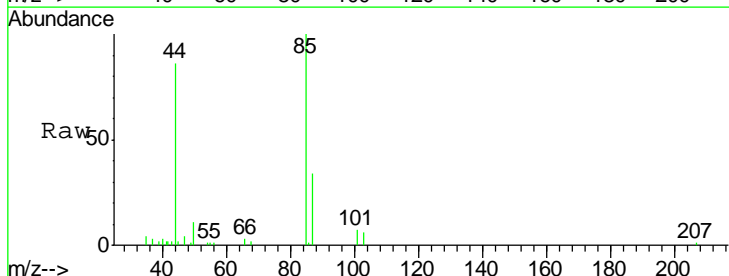
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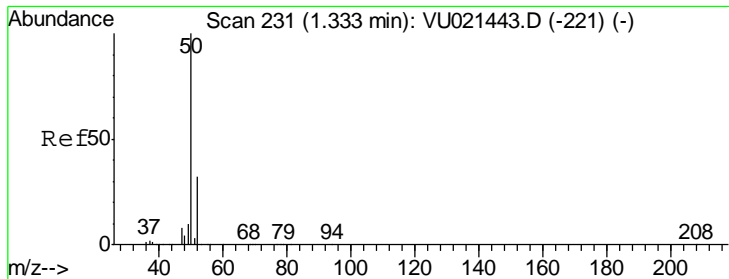
sam
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#2
 Dichlorodifluoromethane
 Concen: 1.13 ug/l
 RT: 1.20 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
85	100		
87	34.5	16.3	48.8





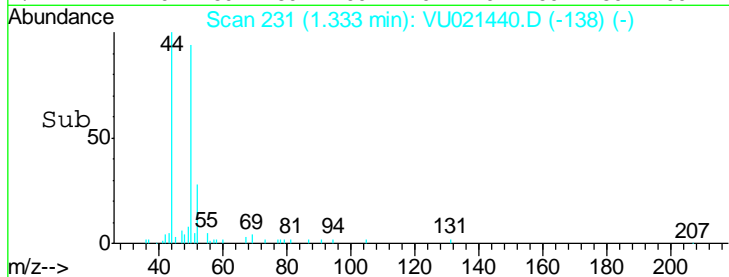
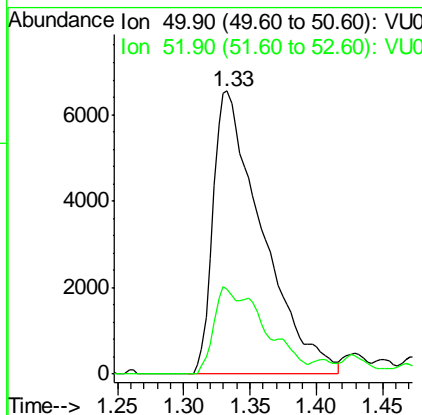
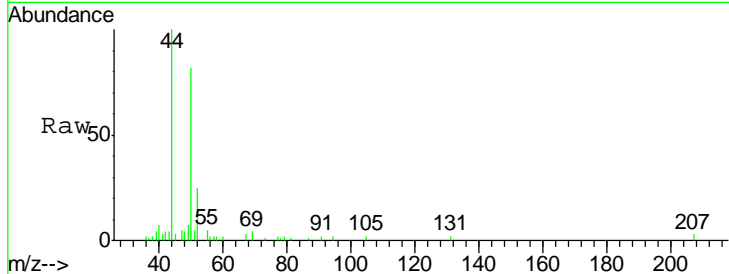
#3
 Chloromethane
 Concen: 1.22 ug/l
 RT: 1.33 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
50	16840		
52	30.2	27.1	40.7

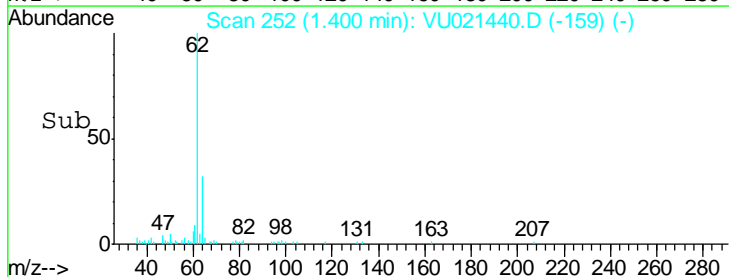
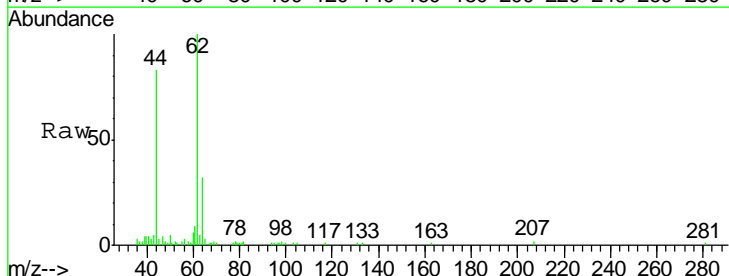
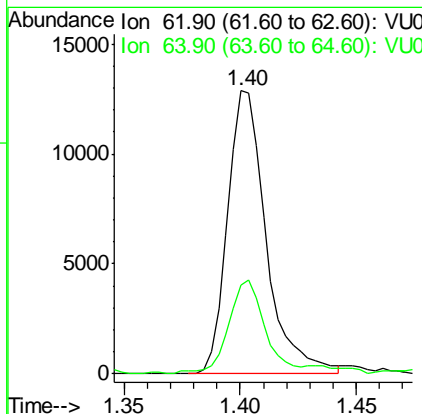
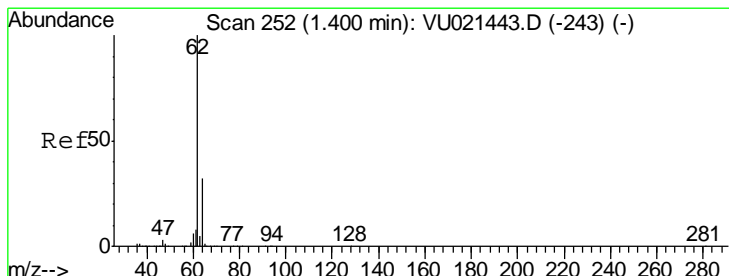
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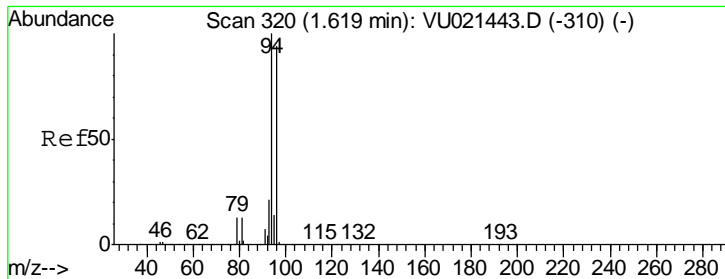
sam
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#4
 Vinyl Chloride
 Concen: 1.07 ug/l
 RT: 1.40 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
62	14873		
64	30.7	25.9	38.9





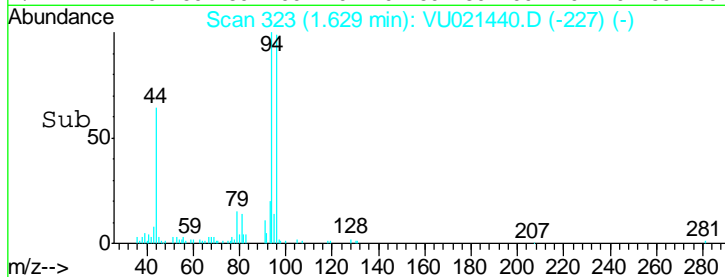
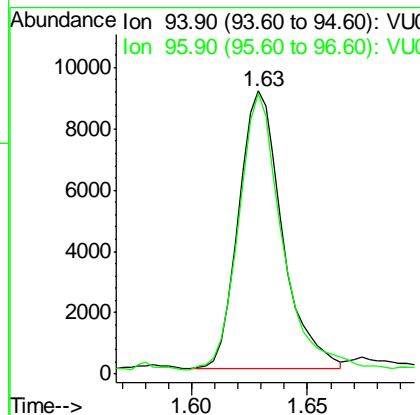
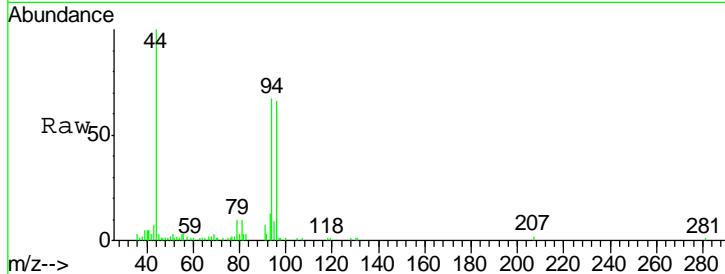
#5
 Bromomethane
 Concen: 0.92 ug/l
 RT: 1.63 min Scan# 323
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
94	11824		
94	100		
96	99.6	74.4	111.6

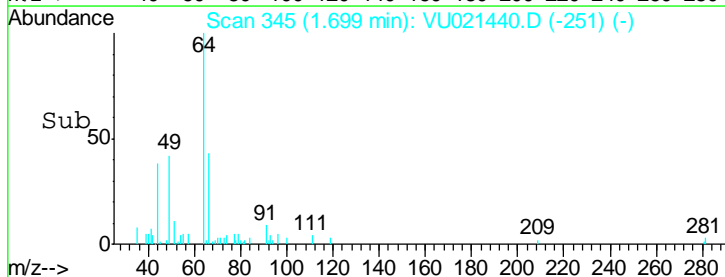
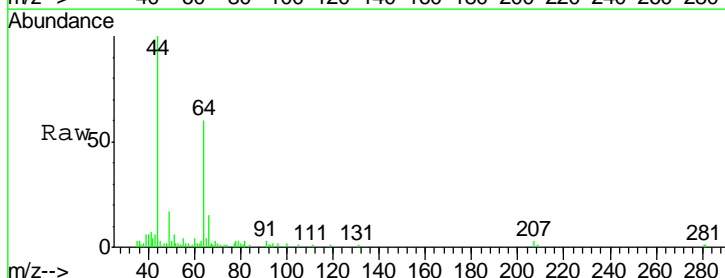
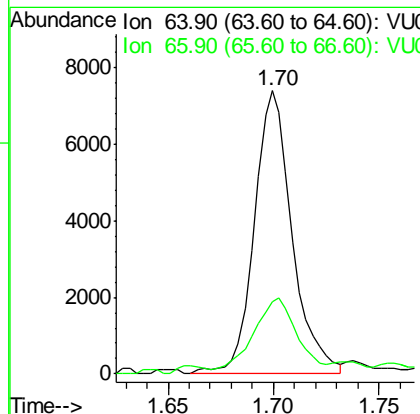
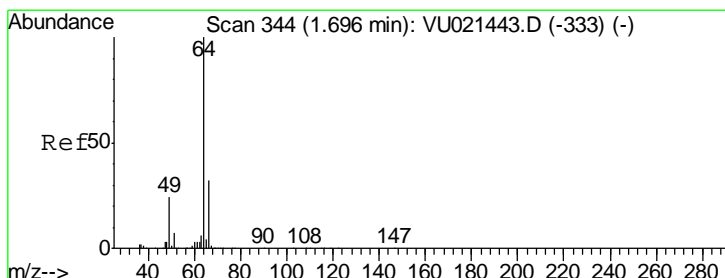
Manual Integrations
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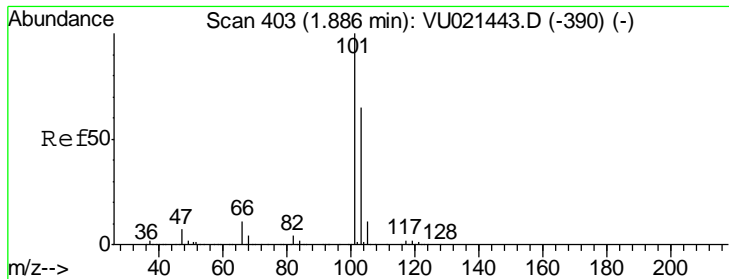
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#6
 Chloroethane
 Concen: 1.07 ug/l
 RT: 1.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
64	9257		
64	100		
66	22.6	25.6	38.4#





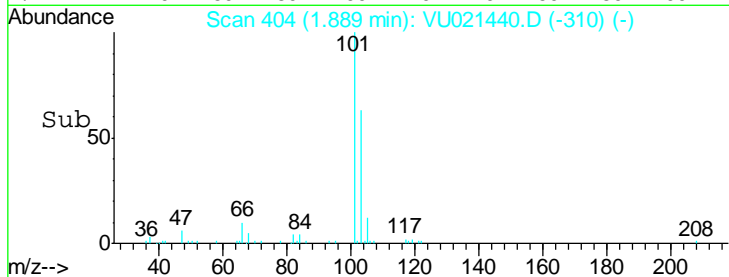
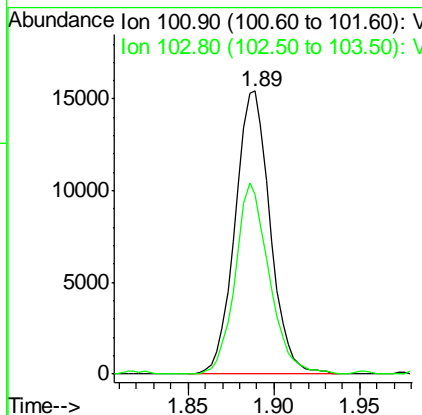
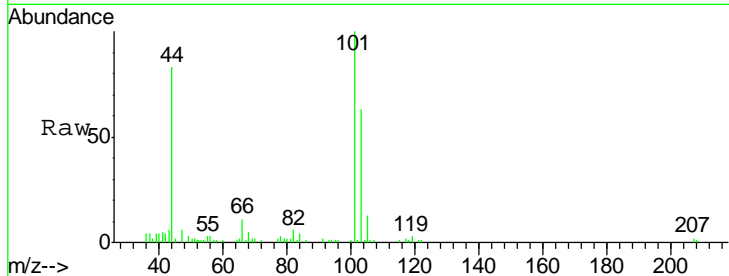
#7
 Trichlorofluoromethane
 Concen: 0.95 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
101	21971		
101	100		
103	63.3	51.8	77.8

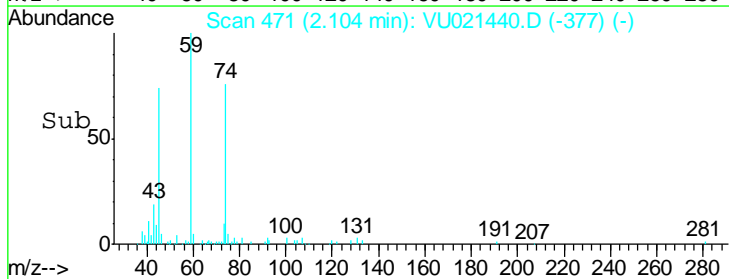
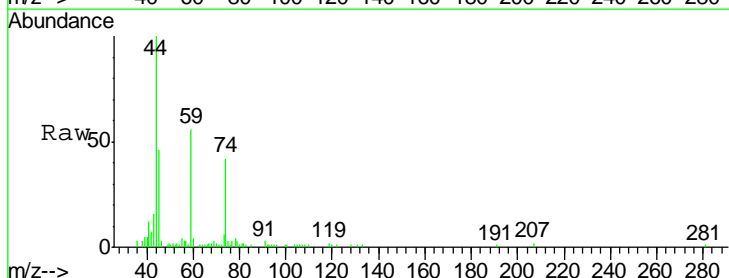
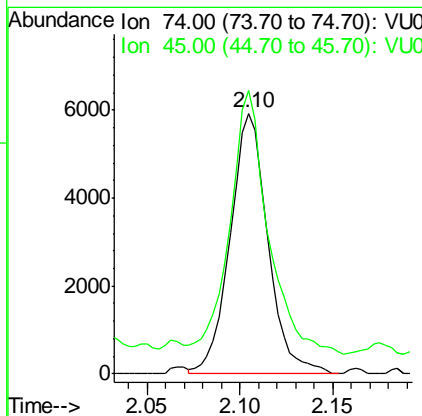
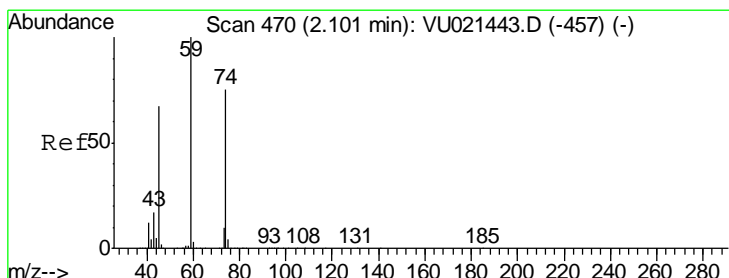
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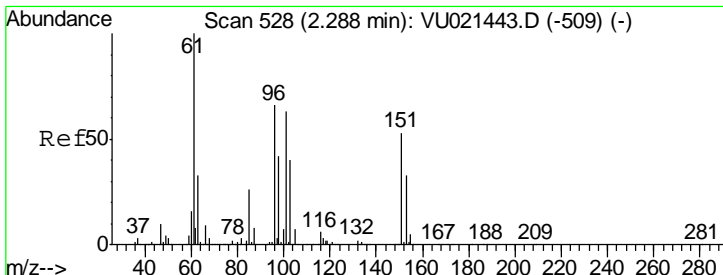
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#8
 Diethyl Ether
 Concen: 0.98 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

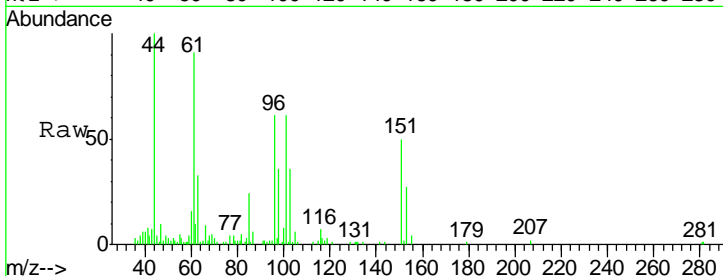
Tgt Ion	Resp	Lower	Upper
74	8377		
74	100		
45	103.6	50.5	151.6





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.08 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

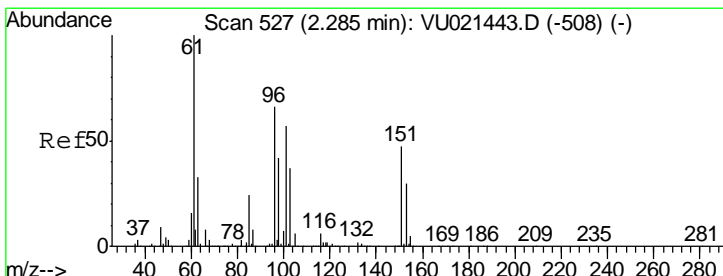
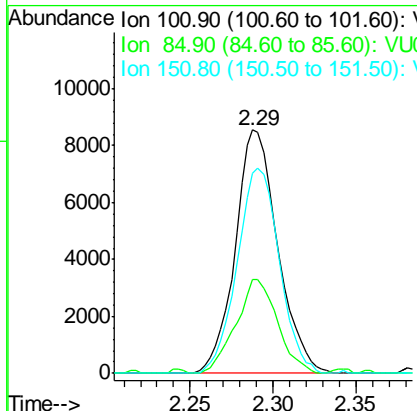
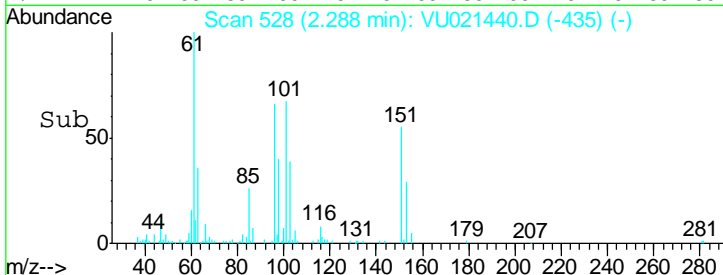
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



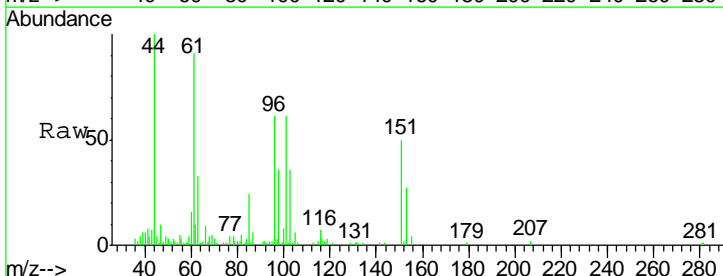
Tgt Ion	Ratio	Lower	Upper
101	100		
85	37.8	34.8	52.2
151	83.8	64.8	97.2

Manual Integrations
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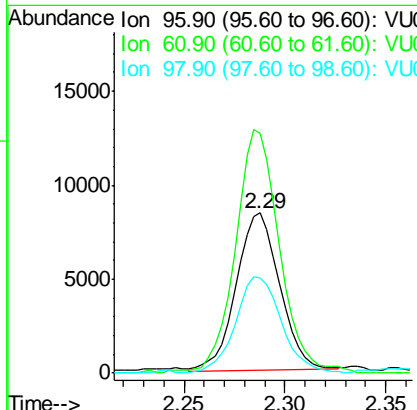
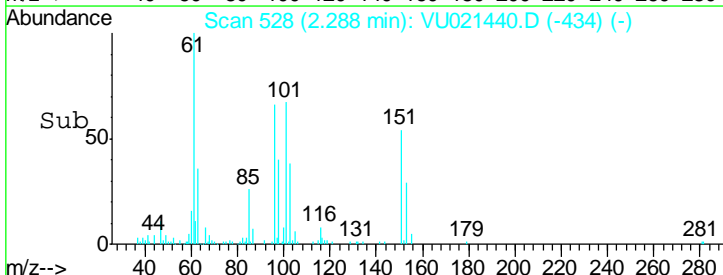
1/4/2018 11:18:32 AM

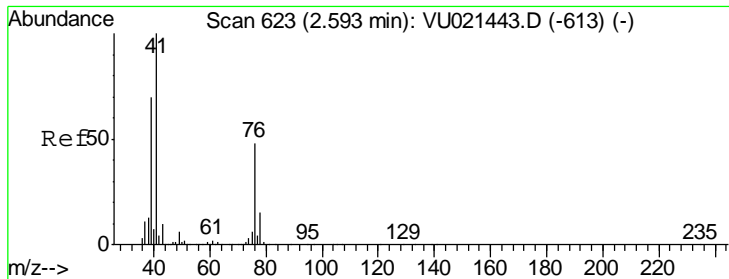


#12
 1,1-Dichloroethene
 Concen: 0.93 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54



Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	129.1	193.7
98	61.3	51.2	76.8





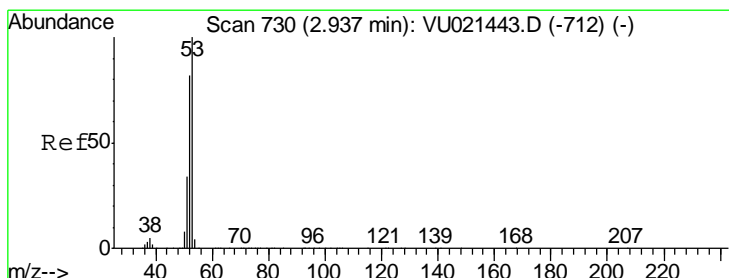
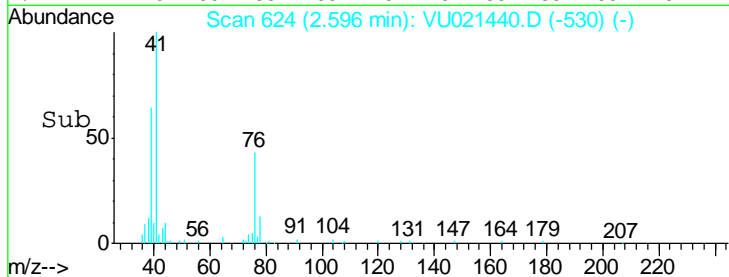
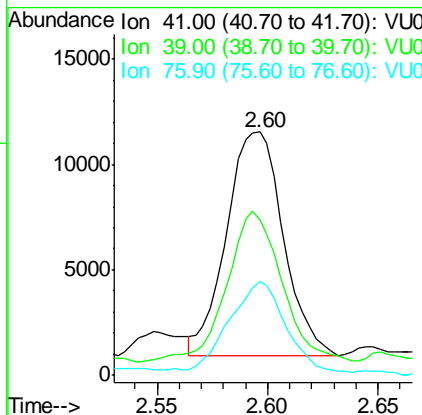
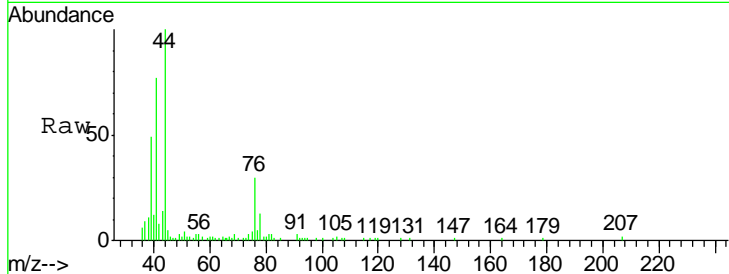
#14
 Allvl chloride
 Concen: 1.07 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
41	100		
39	65.8	54.2	81.4
76	39.4	29.1	43.7

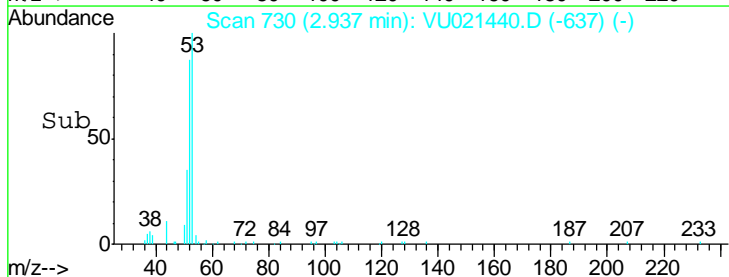
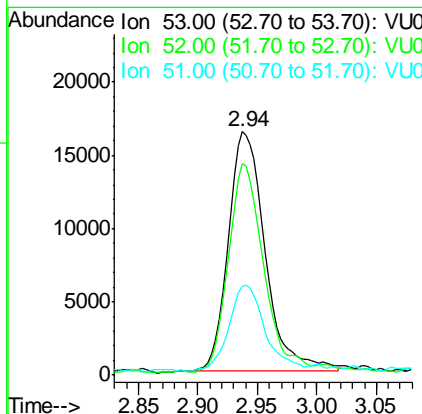
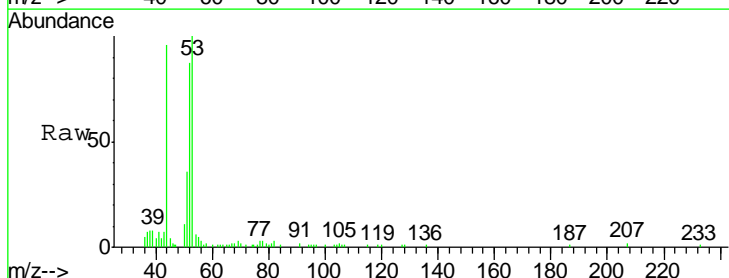
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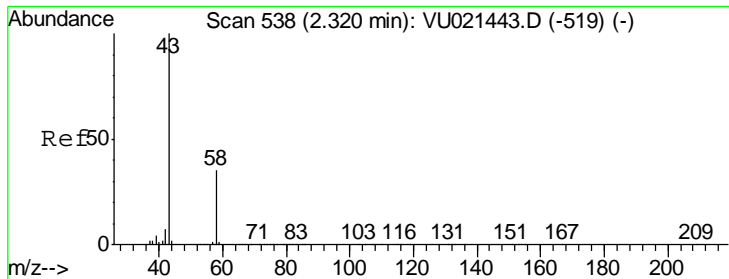
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#15
 Acrylonitrile
 Concen: 5.32 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.4	66.8	100.2
51	35.5	27.3	40.9





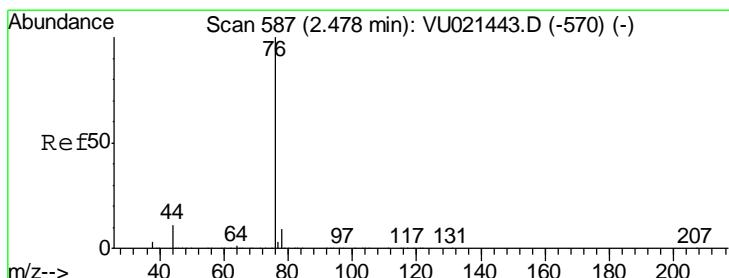
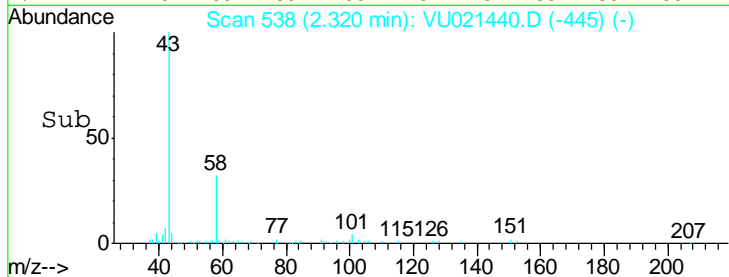
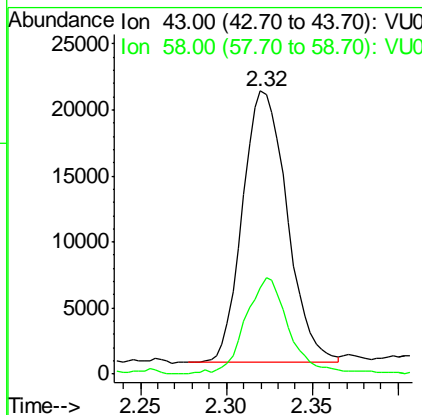
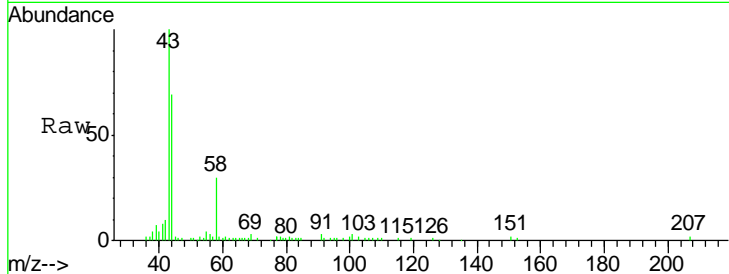
#16
 Acetone
 Concen: 5.07 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
43	37019	100	
58	31.5	26.7	40.1

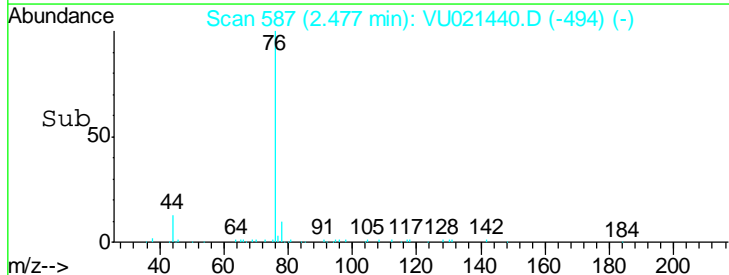
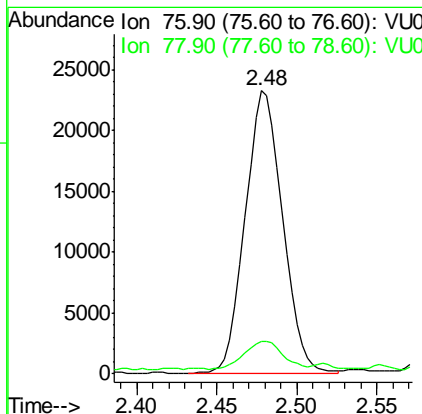
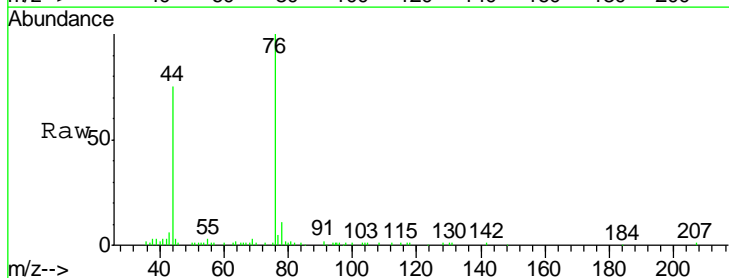
Manual Integrations
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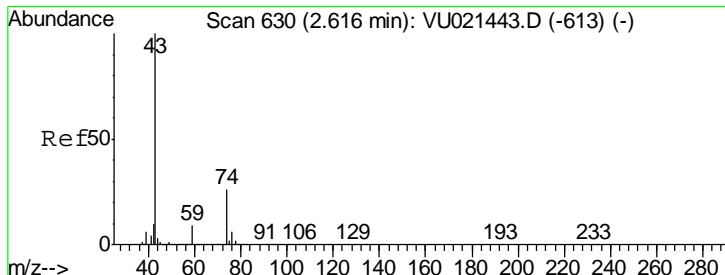
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#17
 Carbon Disulfide
 Concen: 0.96 ug/l
 RT: 2.48 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
76	37536	100	
78	9.5	7.4	11.0





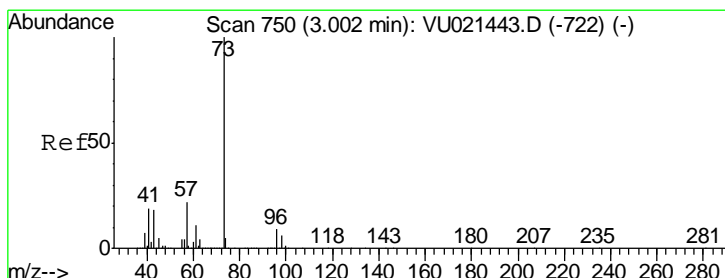
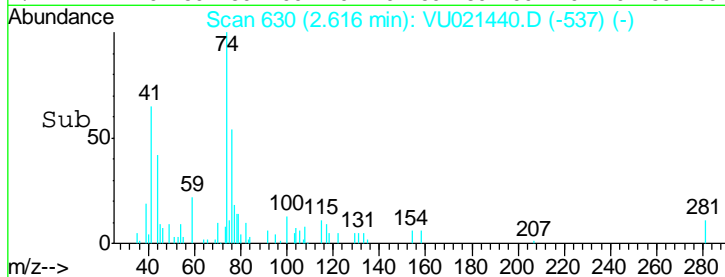
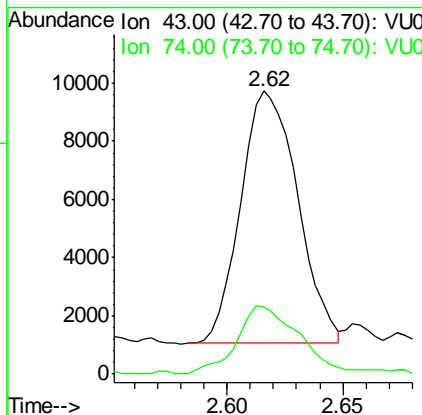
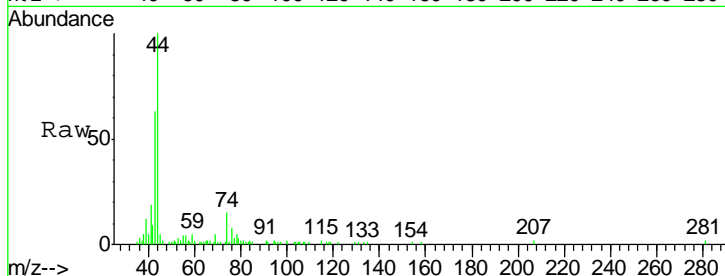
#18
 Methyl Acetate
 Concen: 1.02 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.4	18.6	27.8#

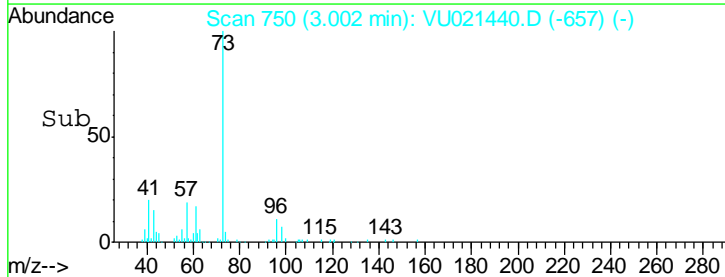
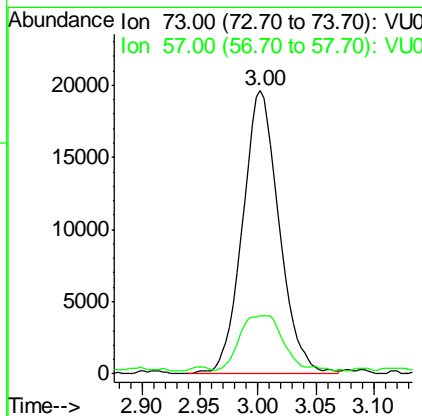
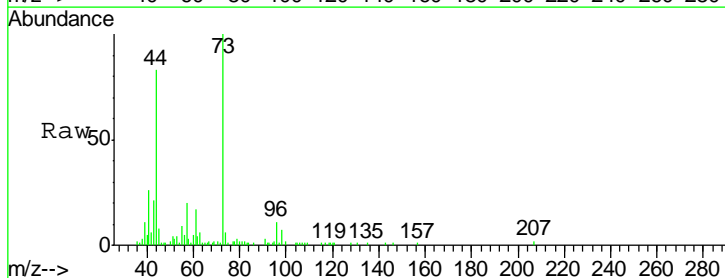
Manual Integrations
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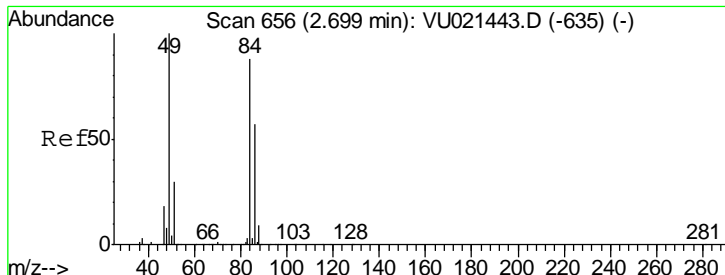
1/4/2018 11:18:32 AM



#19
 Methyl tert-butyl Ether
 Concen: 1.00 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

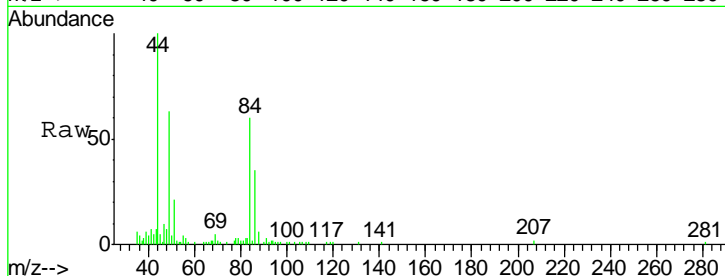
Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.0	17.6	26.4





#20
 Methylene Chloride
 Concen: 1.12 ug/l
 RT: 2.70 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

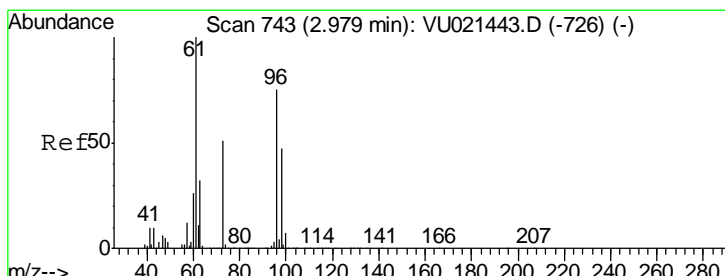
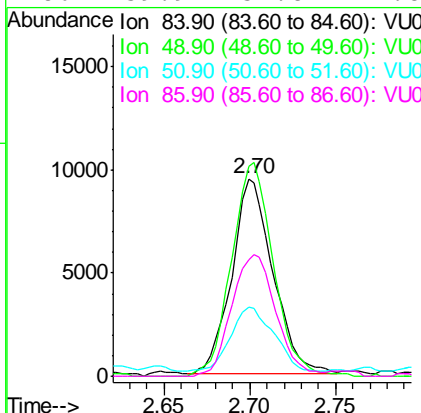
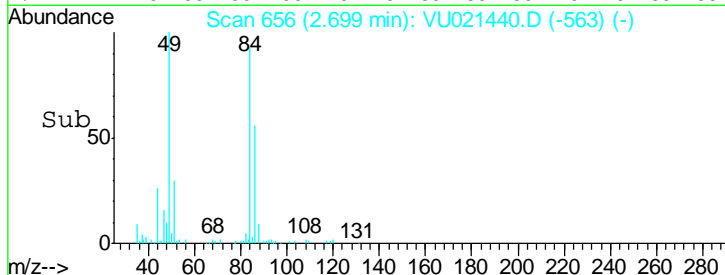
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



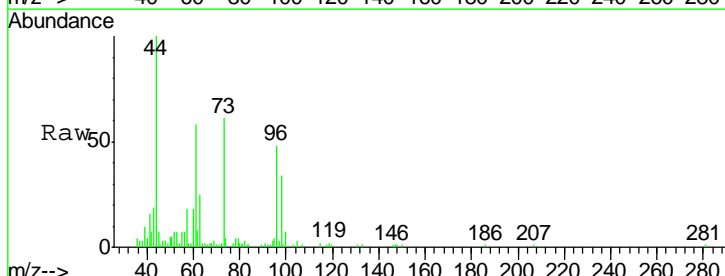
Tgt Ion: 84 Resp: 15857

Ion	Ratio	Lower	Upper
84	100		
49	107.4	100.3	150.5
51	33.0	32.2	48.2
86	59.9	51.8	77.8

Manual Integrations APPROVED
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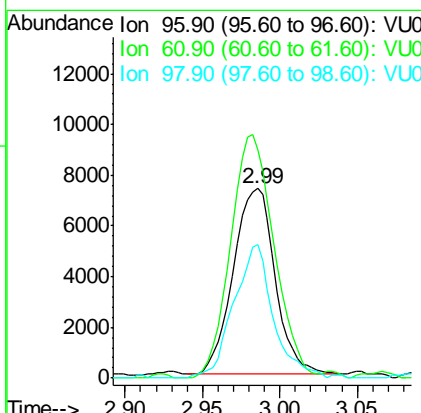
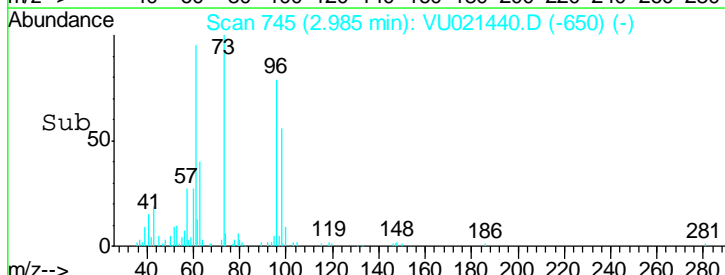


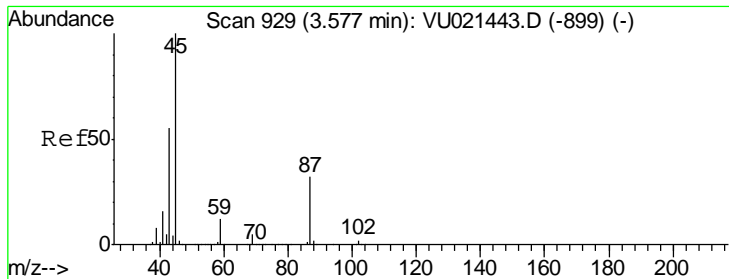
#21
 trans-1,2-Dichloroethene
 Concen: 0.97 ug/l
 RT: 2.99 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54



Tgt Ion: 96 Resp: 13740

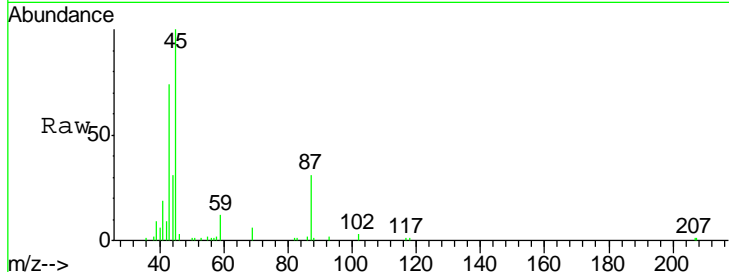
Ion	Ratio	Lower	Upper
96	100		
61	123.1	113.6	170.4
98	72.1	51.0	76.6





#22
 Diisopropyl ether
 Concen: 1.18 ug/l
 RT: 3.58 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

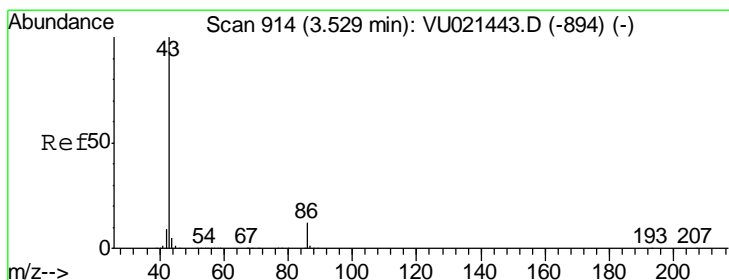
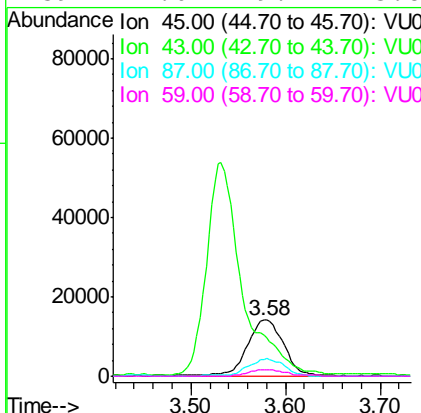
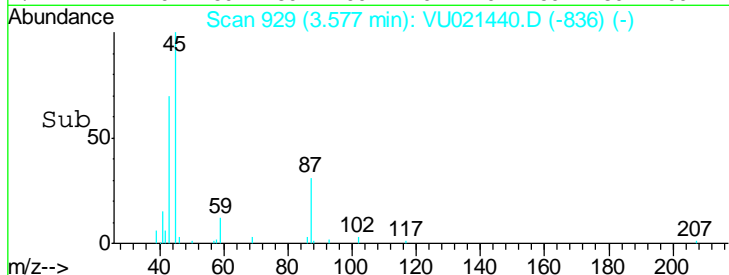
Instrument : MSVOA_U
 ClientSampled : VSTDIC001



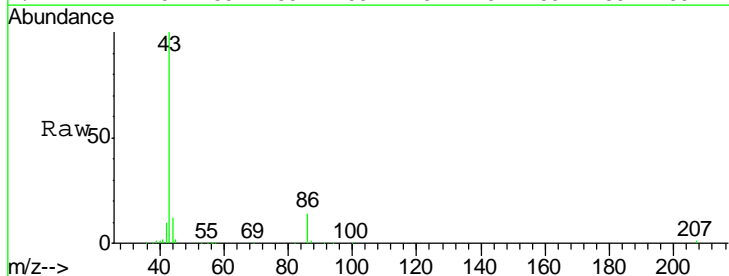
Tgt Ion: 45 Resp: 38532

Ion	Ratio	Lower	Upper
45	100		
43	69.6	42.6	63.8#
87	30.6	21.0	31.6
59	12.0	9.2	13.8

Manual Integrations
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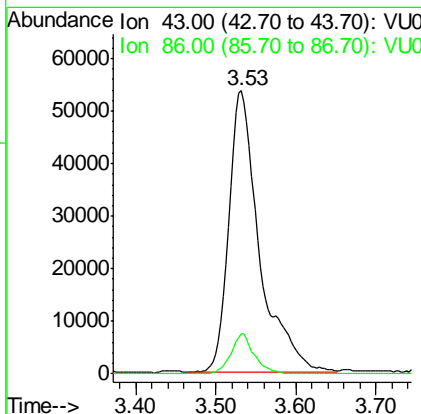
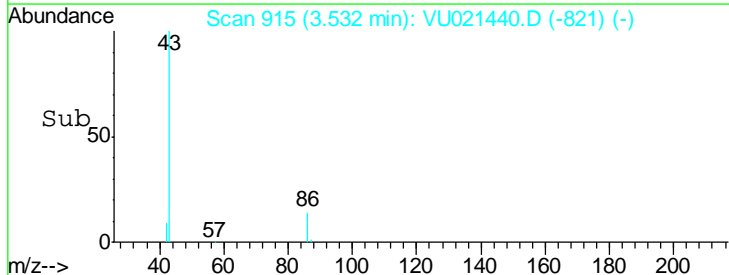


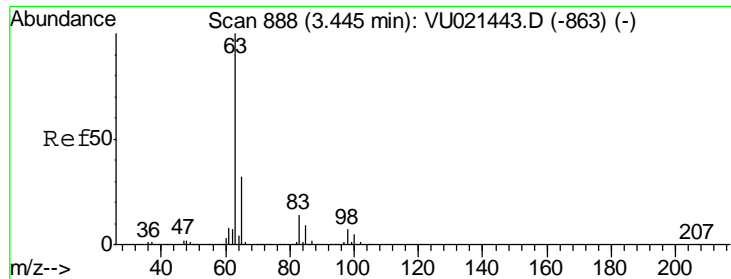
#23
 Vinyl Acetate
 Concen: 5.33 ug/l
 RT: 3.53 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54



Tgt Ion: 43 Resp: 140928

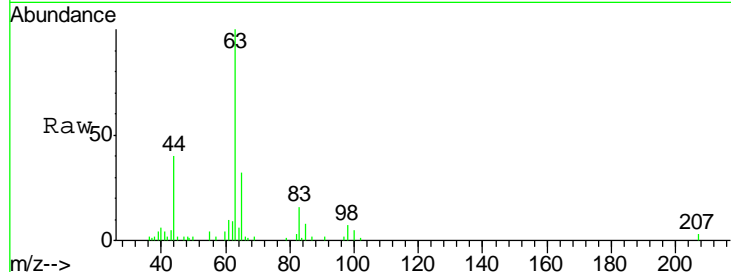
Ion	Ratio	Lower	Upper
43	100		
86	14.2	8.0	12.0#





#24
 1,1-Dichloroethane
 Concen: 1.17 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

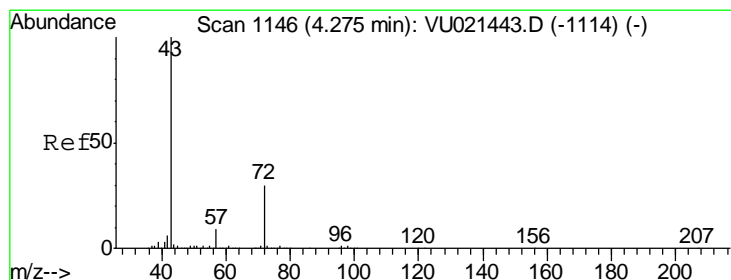
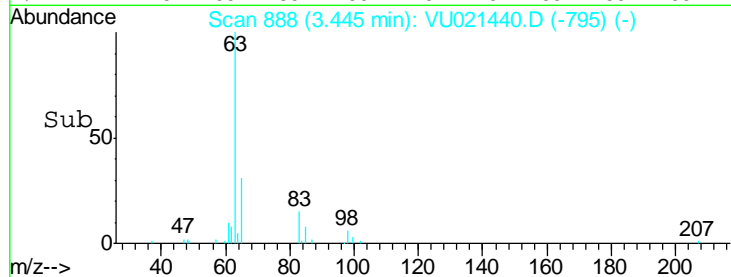
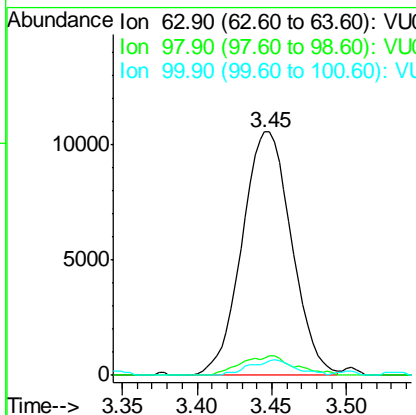
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



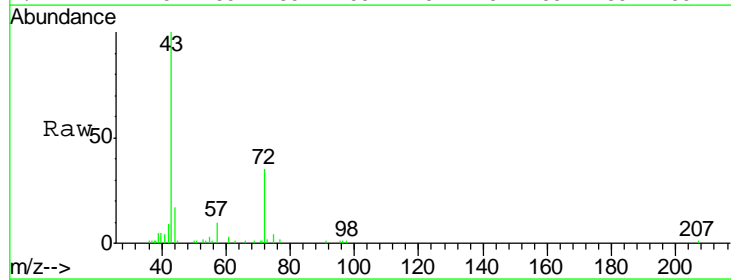
Tgt Ion	Resp	Lower	Upper
63	100		
98	6.8	3.5	10.4
100	5.1	2.0	5.8

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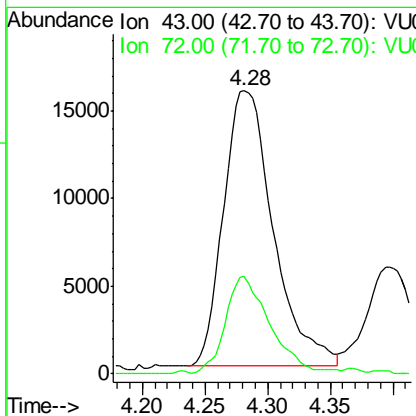
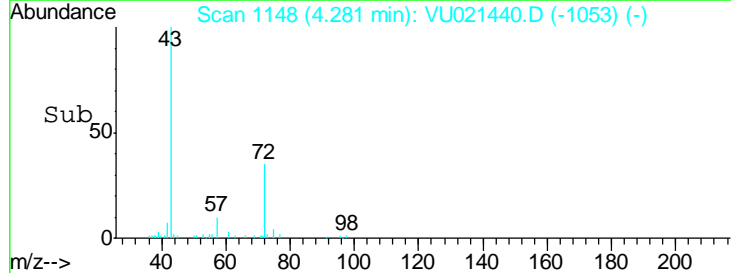
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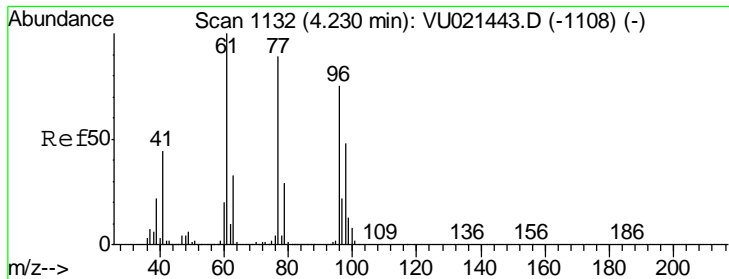


#25
 2-Butanone
 Concen: 5.53 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54



Tgt Ion	Resp	Lower	Upper
43	100		
72	34.8	21.4	32.0#





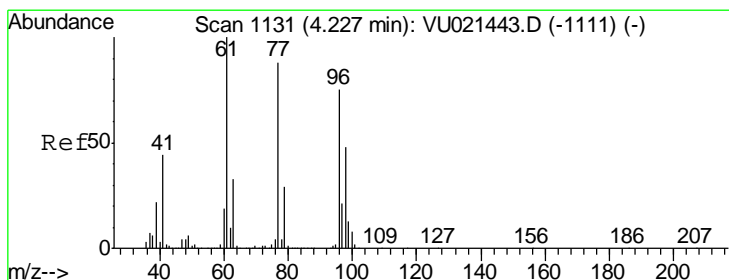
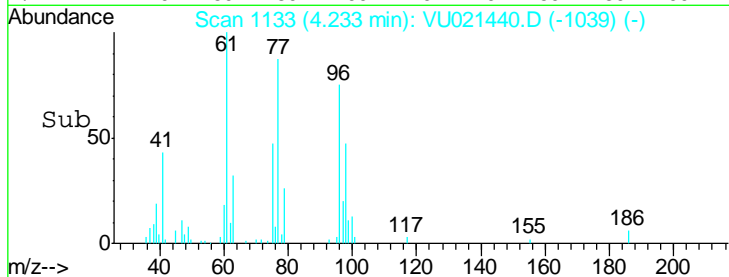
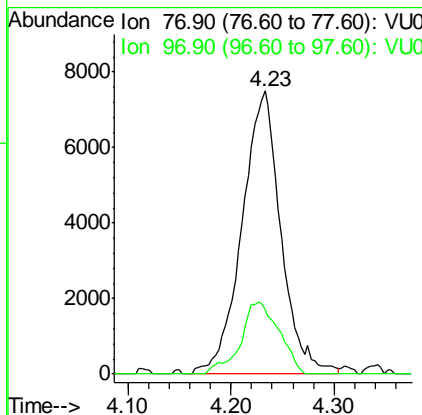
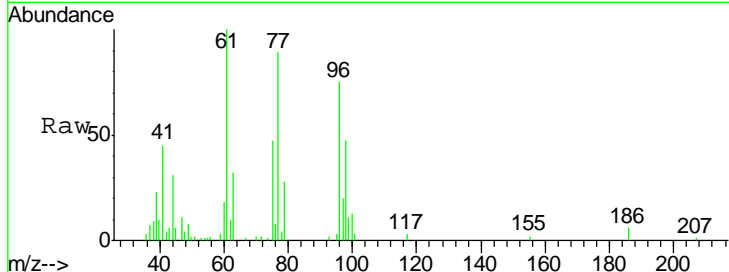
#26
 2,2-Dichloropropane
 Concen: 1.01 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
77	19673		
77	100		
97	25.2	11.9	35.9

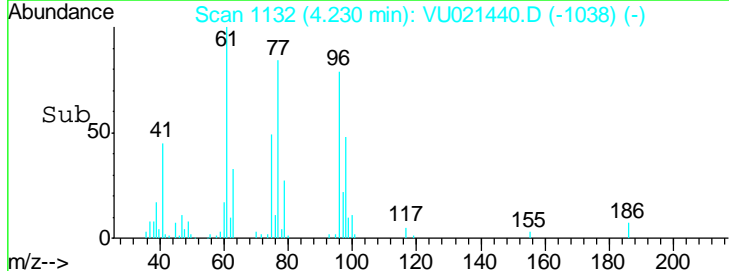
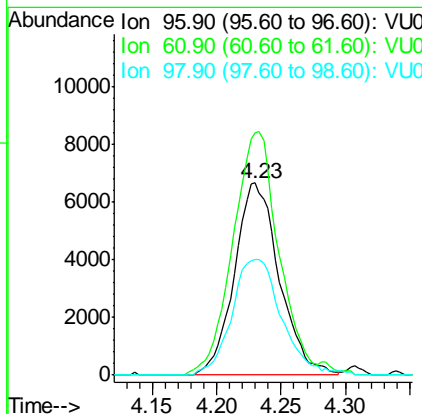
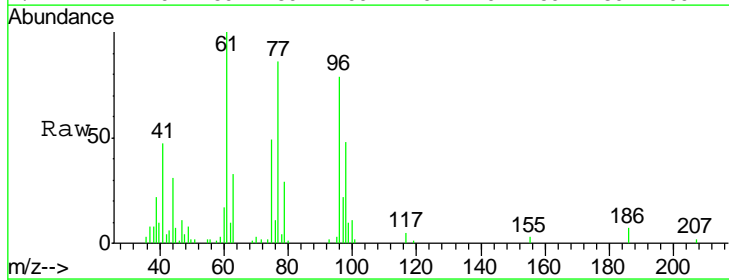
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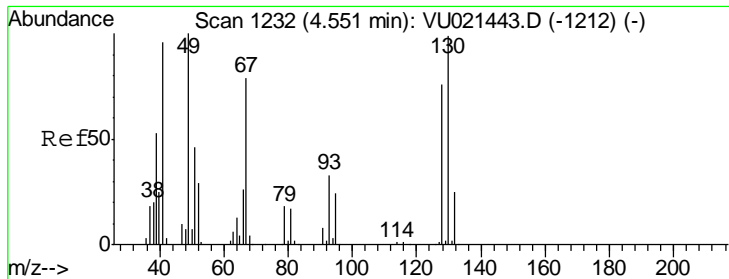
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#27
 cis-1,2-Dichloroethene
 Concen: 1.14 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

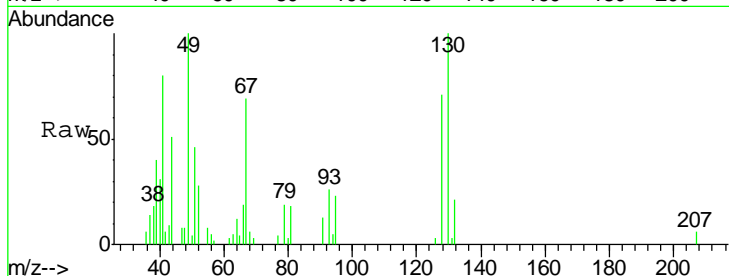
Tgt Ion	Resp	Lower	Upper
96	16197		
96	100		
61	128.6	0.0	273.2
98	66.6	0.0	128.6





#28
 Bromochloromethane
 Concen: 1.08 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

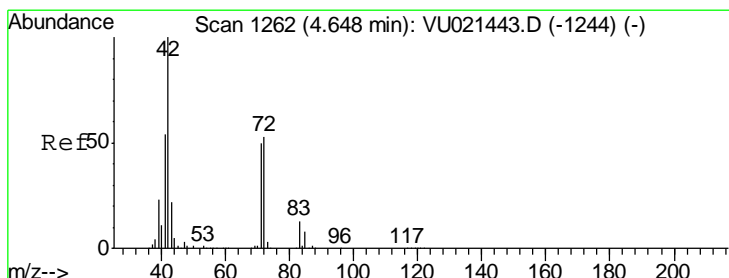
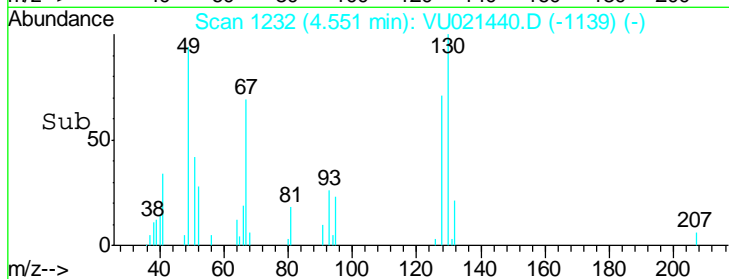
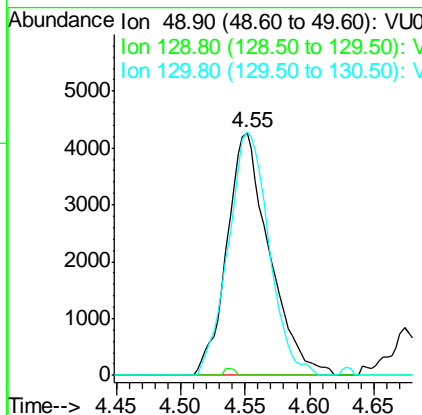


Tgt Ion: 49 Resp: 9775

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.2
130	95.9	69.0	103.4

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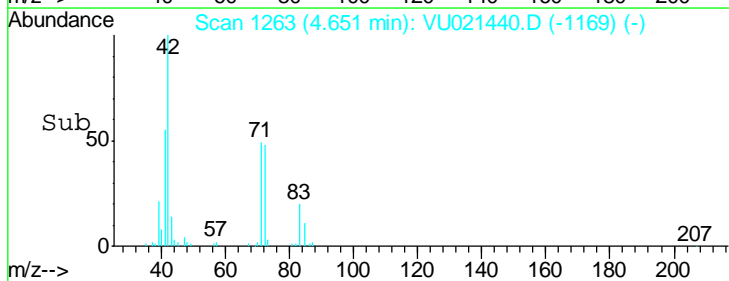
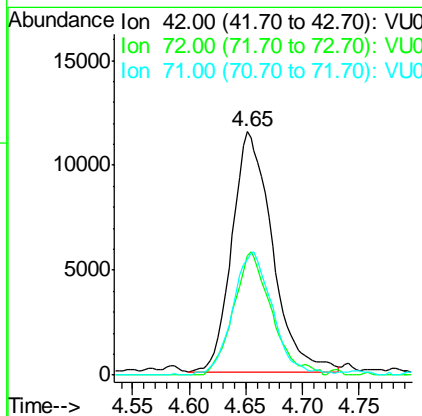
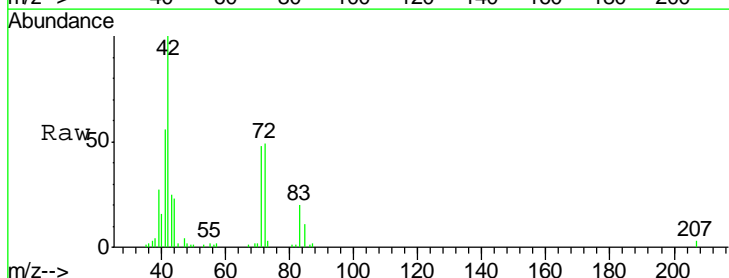
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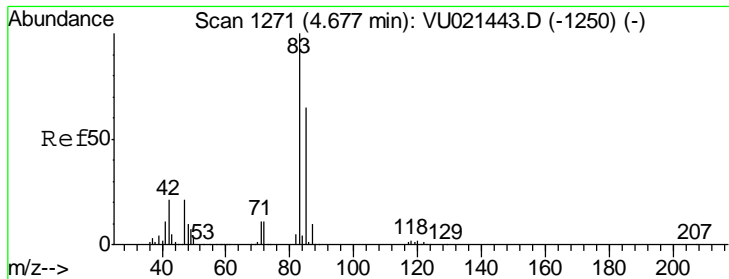


#29
 Tetrahydrofuran
 Concen: 6.05 ug/l
 RT: 4.65 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion: 42 Resp: 28416

Ion	Ratio	Lower	Upper
42	100		
72	48.5	36.9	55.3
71	50.8	34.5	51.7





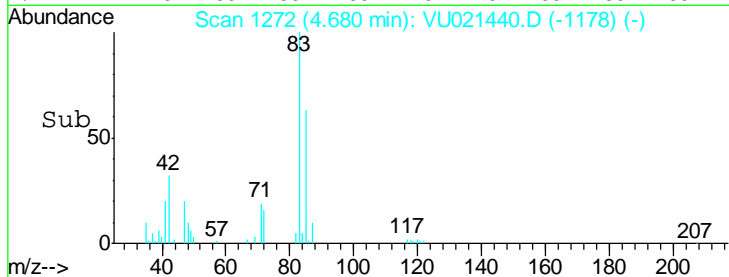
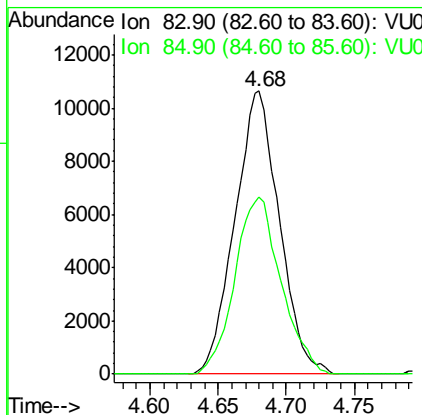
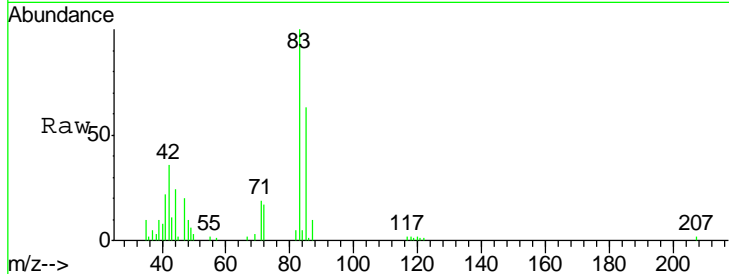
#30
 Chloroform
 Concen: 1.06 ug/l
 RT: 4.68 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
83	24034		
83	100		
85	62.8	49.9	74.9

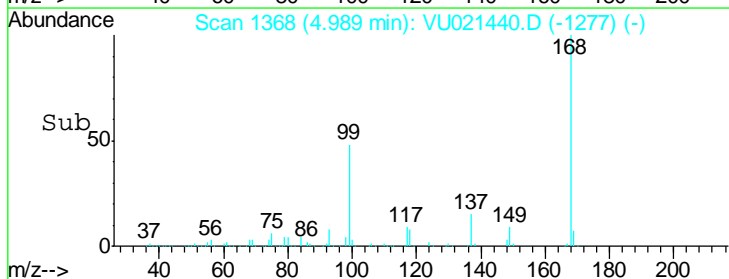
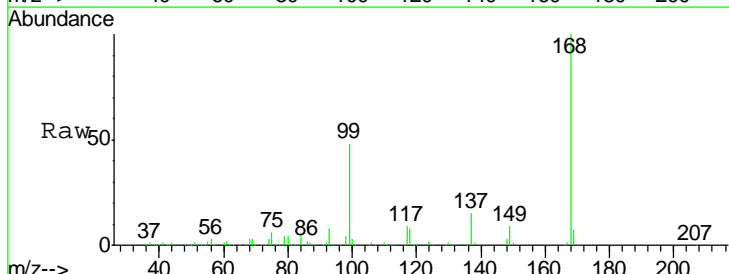
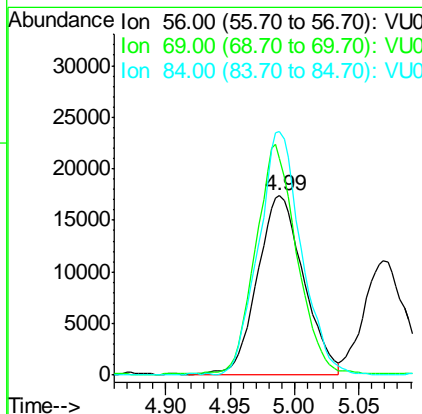
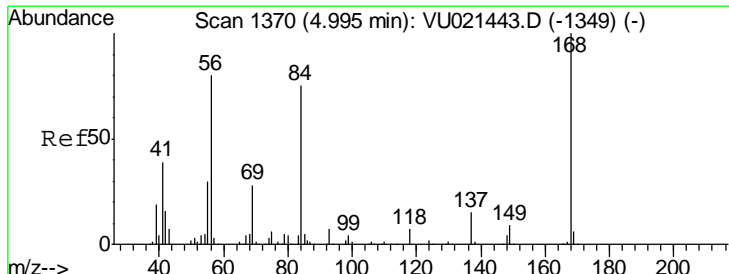
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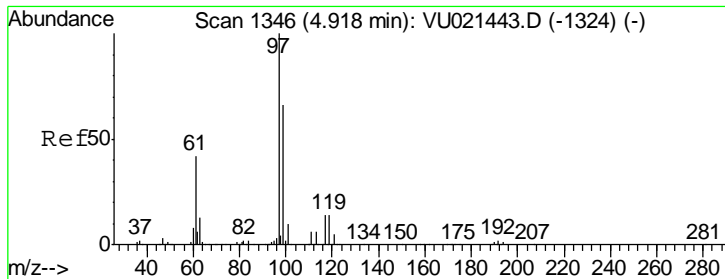
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#31
 Cyclohexane
 Concen: 1.90 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
56	43522		
56	100		
69	120.6	26.5	39.7#
84	135.0	70.6	105.8#





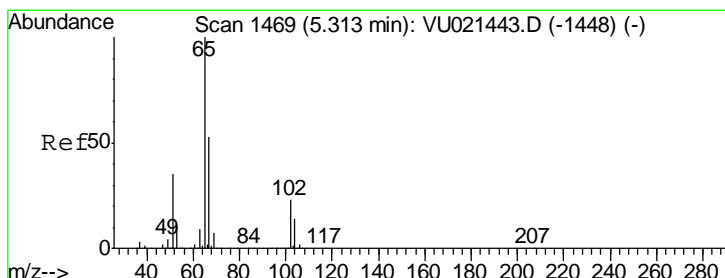
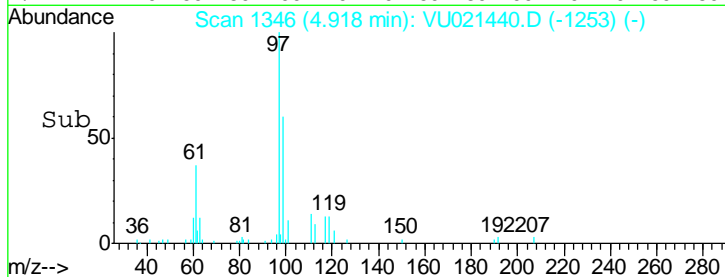
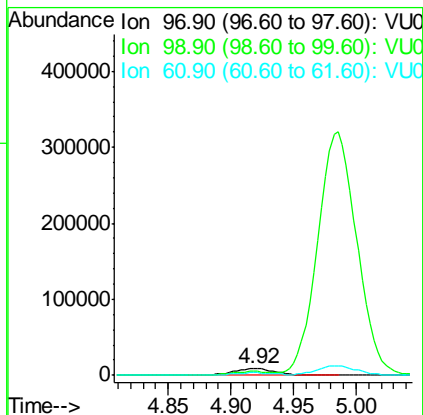
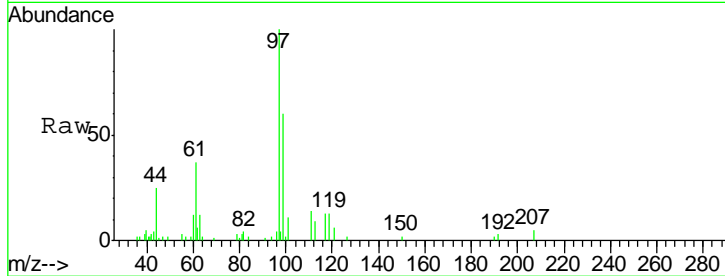
#32
 1,1,1-Trichloroethane
 Concen: 1.01 ug/l
 RT: 4.92 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
97	21054		
99	0.0	51.7	77.5#
61	37.7	35.0	52.6

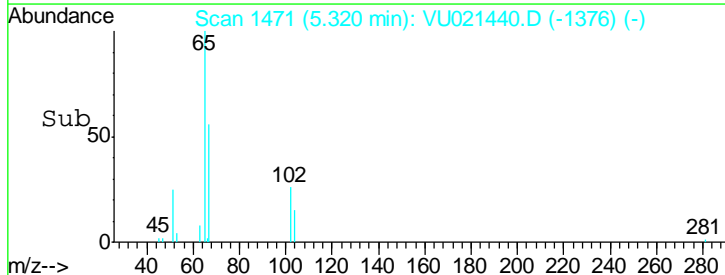
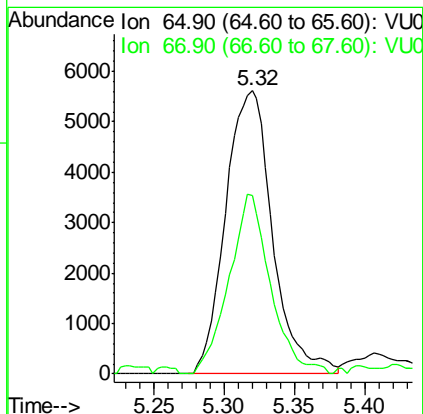
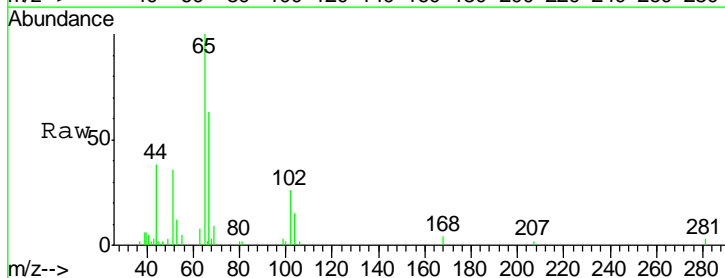
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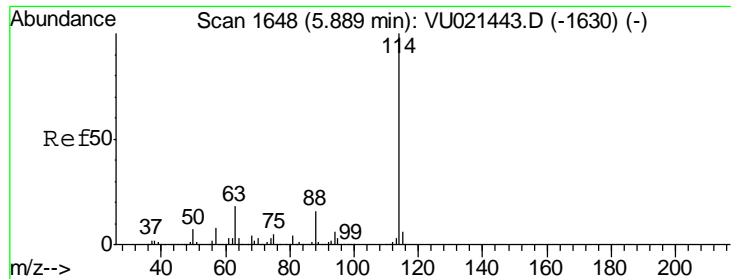
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#33
 1,2-Dichloroethane-d4
 Concen: 1.03 ug/l
 RT: 5.32 min Scan# 1471
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

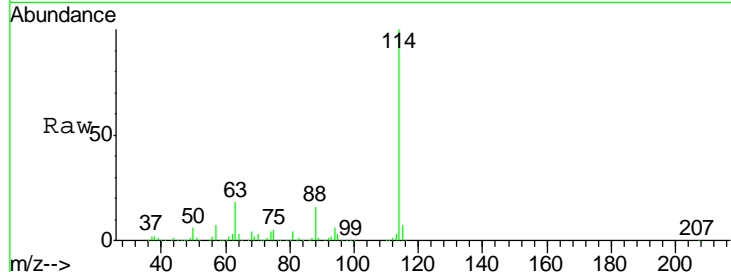
Tgt Ion	Resp	Lower	Upper
65	13073		
67	56.0	0.0	109.2





#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

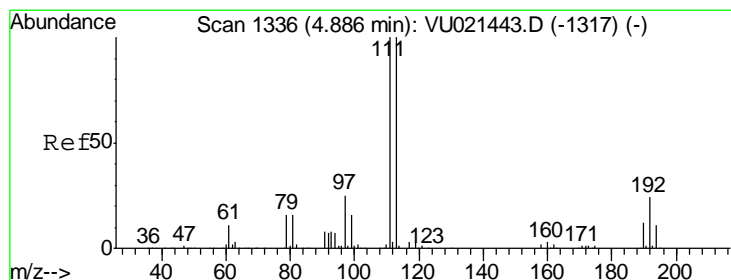
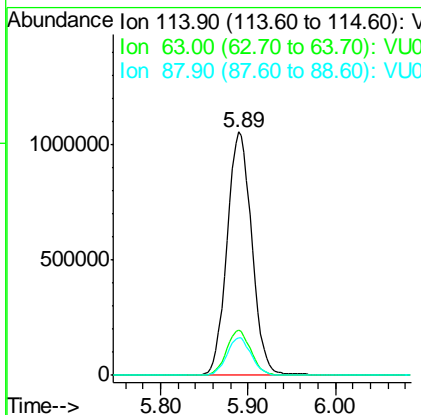
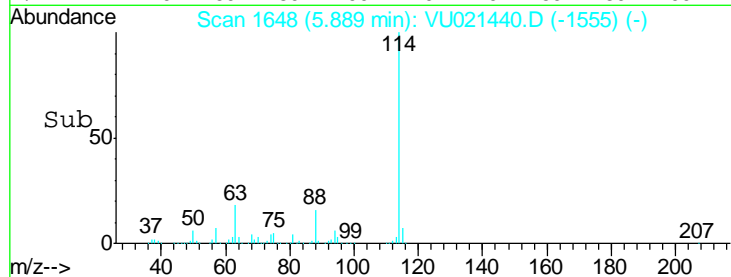
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



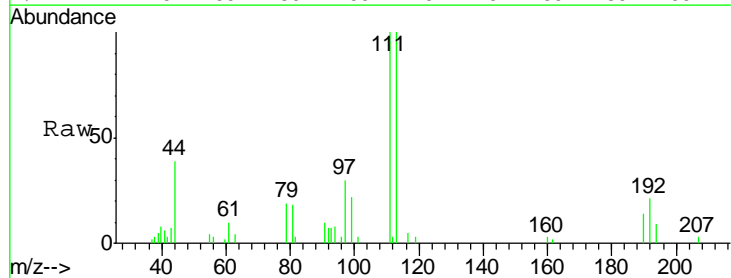
Tgt Ion: 114 Resp: 2072921

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	38.6
88	15.6	0.0	29.8

Manual Integrations
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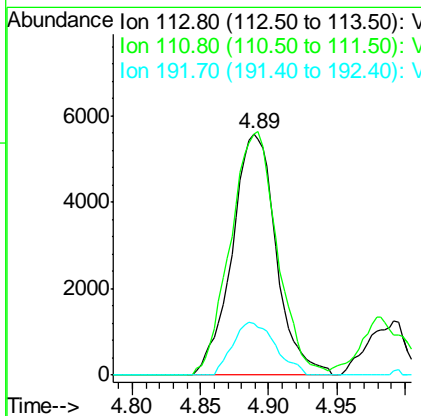
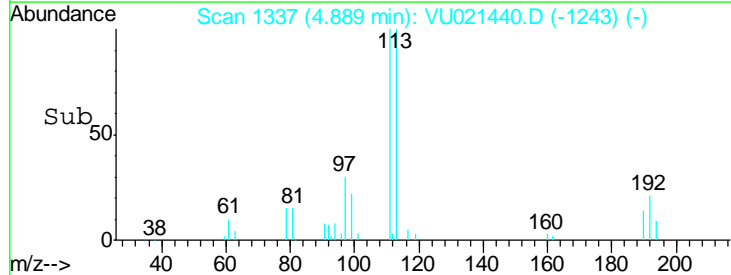


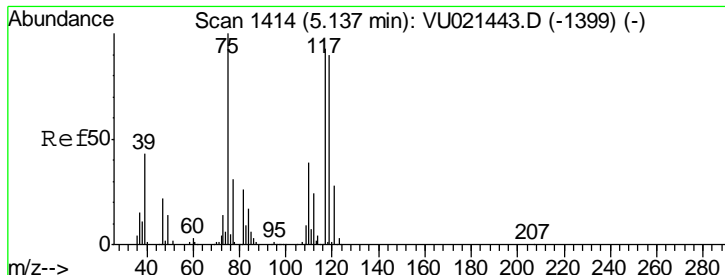
#35
 Dibromofluoromethane
 Concen: 0.99 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54



Tgt Ion: 113 Resp: 12547

Ion	Ratio	Lower	Upper
113	100		
111	106.8	81.2	121.8
192	21.1	18.2	27.2





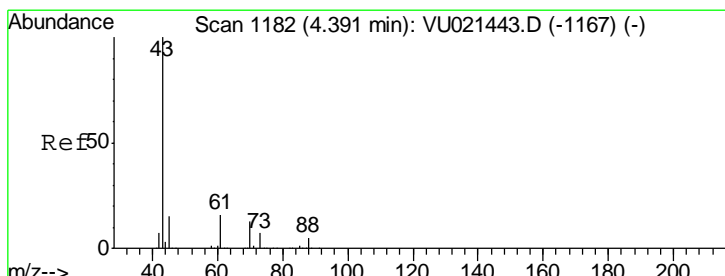
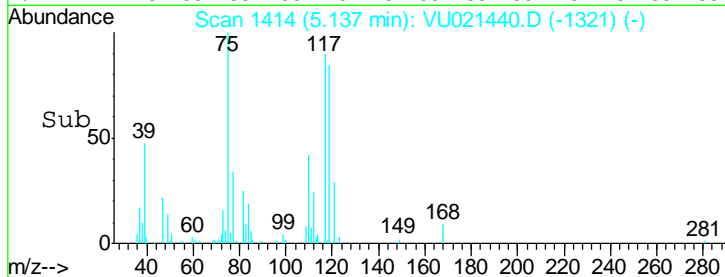
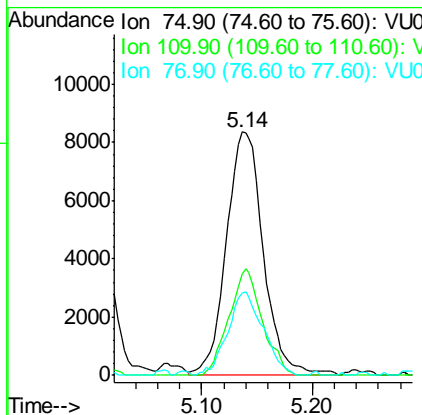
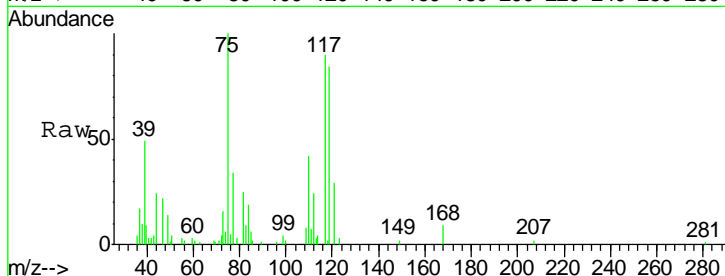
#36
 1,1-Dichloropropene
 Concen: 1.11 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	19426		
75	100		
110	39.4	18.5	55.5
77	33.0	25.0	37.6

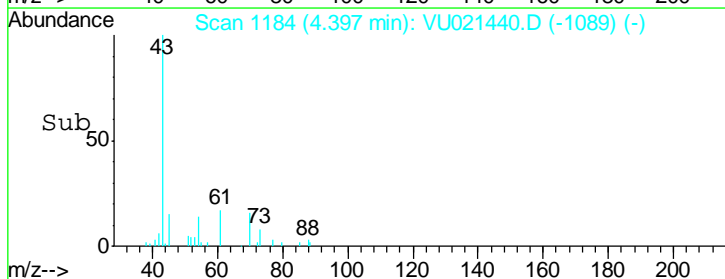
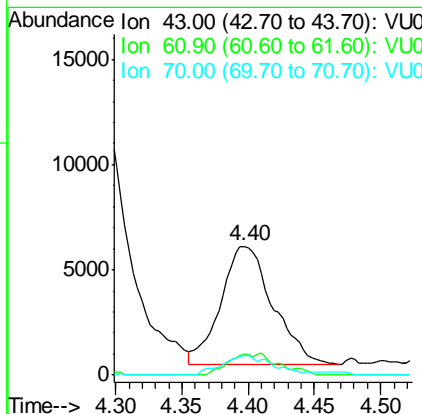
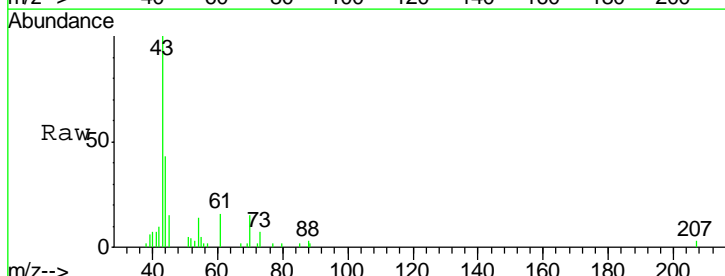
Manual Integrations
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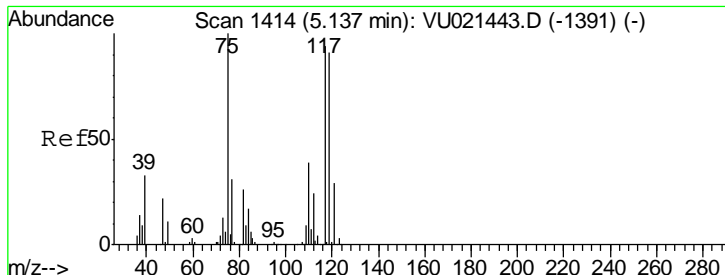
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#37
 Ethyl Acetate
 Concen: 1.08 ug/l
 RT: 4.40 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
43	15405		
43	100		
61	8.8	11.8	17.8#
70	10.5	8.6	12.8





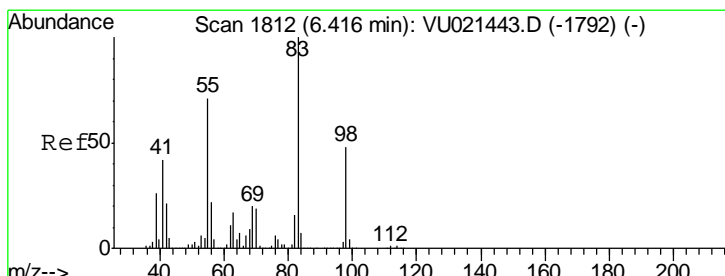
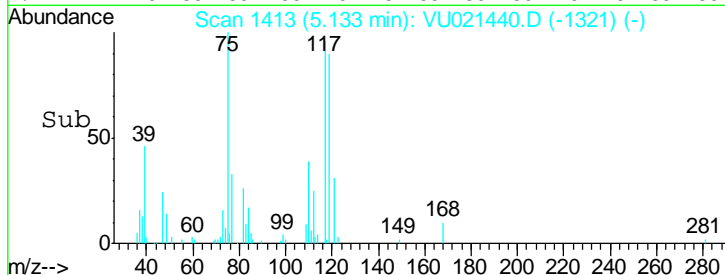
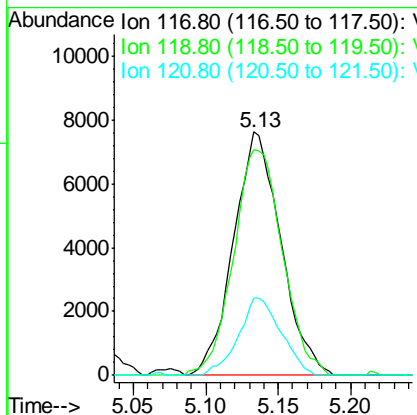
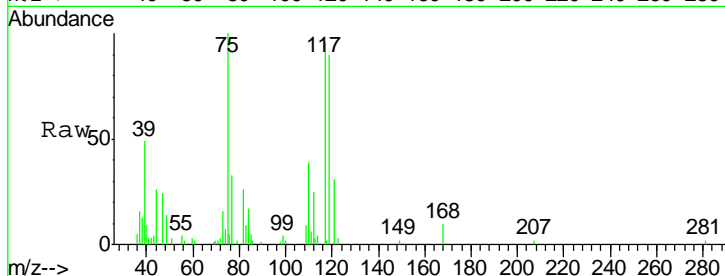
#38
 Carbon Tetrachloride
 Concen: 0.89 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
117	17355		
117	100		
119	92.9	77.3	115.9
121	31.8	24.9	37.3

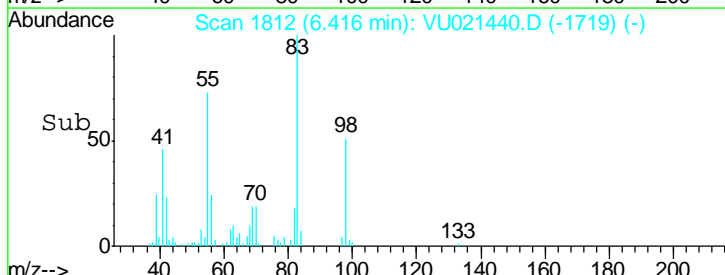
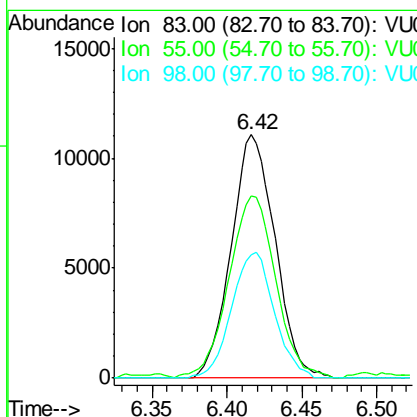
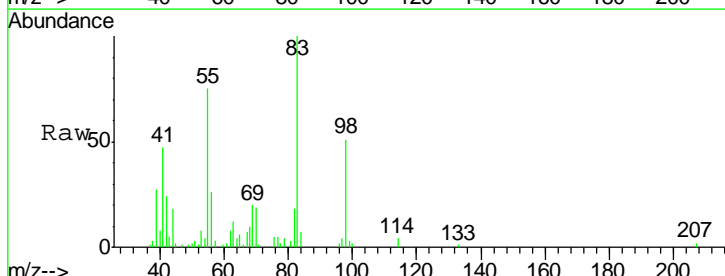
Manual Integrations
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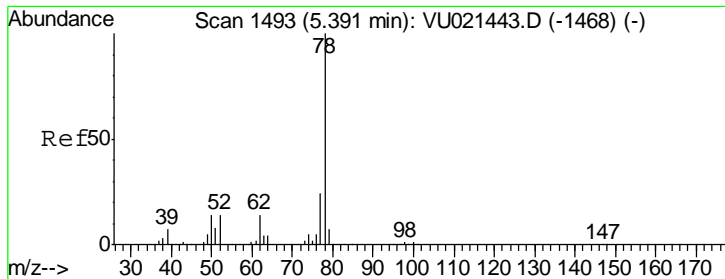
1/4/2018 11:18:32 AM



#39
 Methylcyclohexane
 Concen: 0.98 ug/l
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
83	22605		
83	100		
55	74.6	61.6	92.4
98	50.6	37.4	56.2





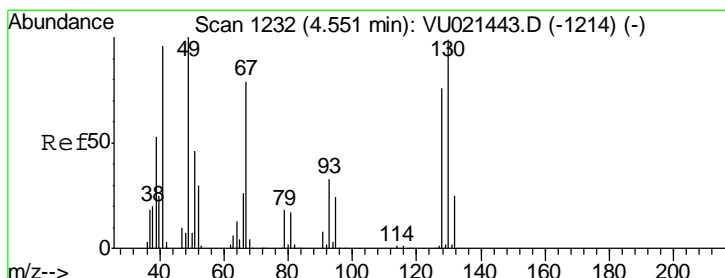
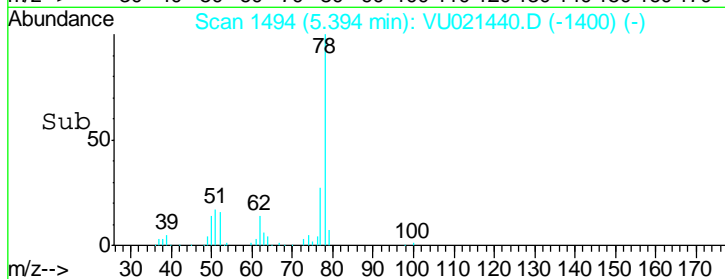
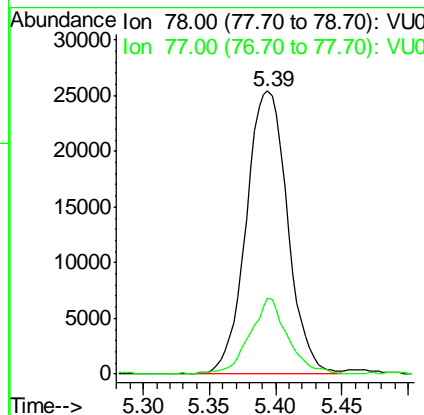
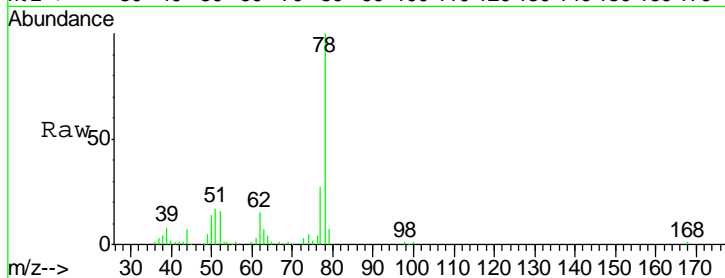
#40
Benzene
Concen: 1.06 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU021440.D
Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
78	100		
77	26.9	18.9	28.3

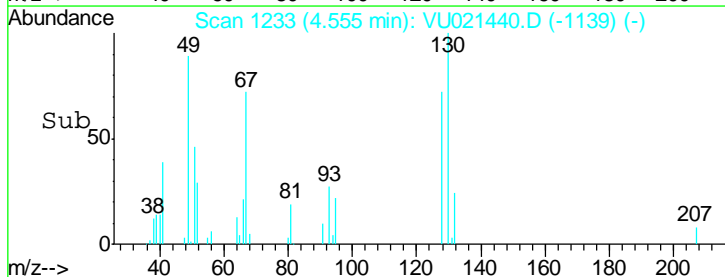
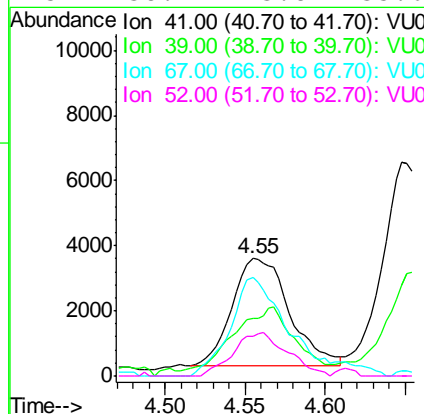
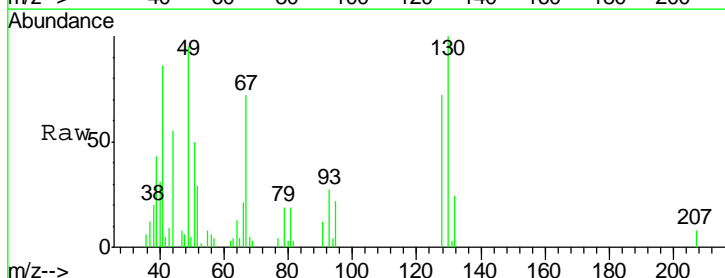
Manual Integrations
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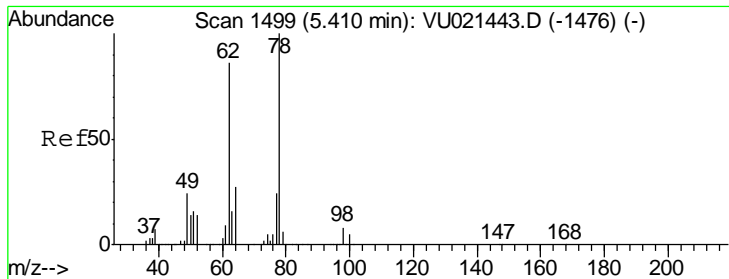
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#41
Methacrylonitrile
Concen: 0.99 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU021440.D
Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
41	100		
39	64.8	41.5	62.3#
67	89.8	61.0	91.6
52	38.1	23.8	35.6#



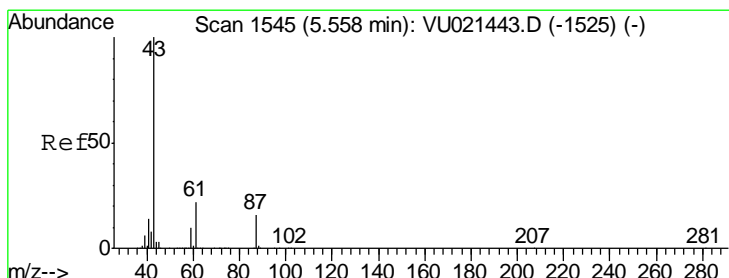
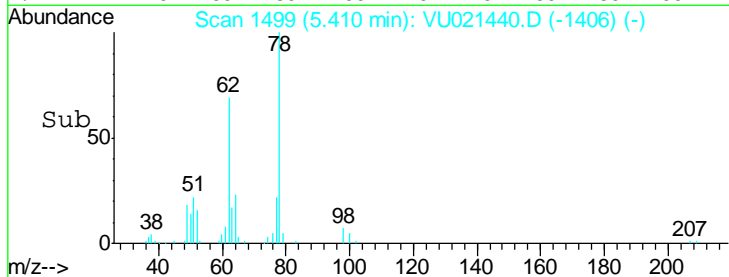
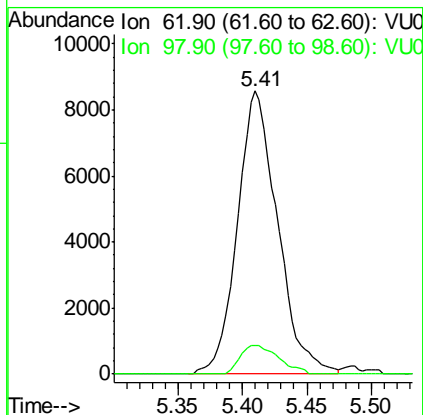
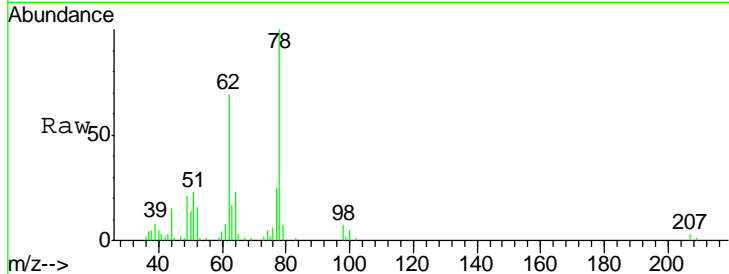


#42
 1,2-Dichloroethane
 Concen: 1.05 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4

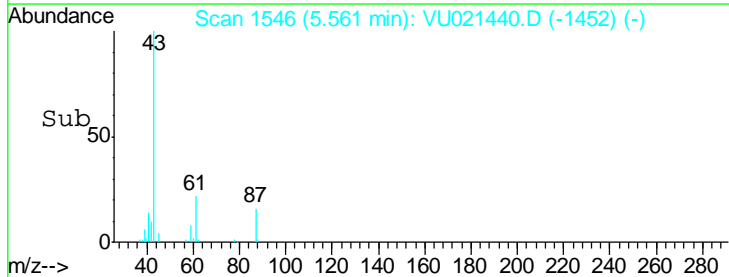
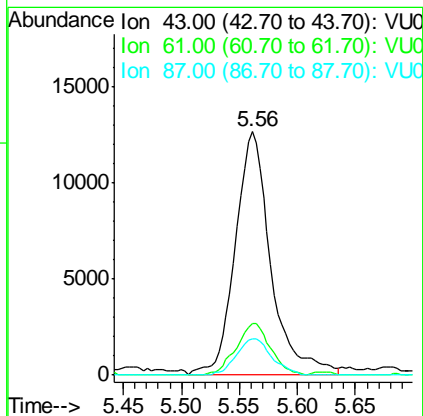
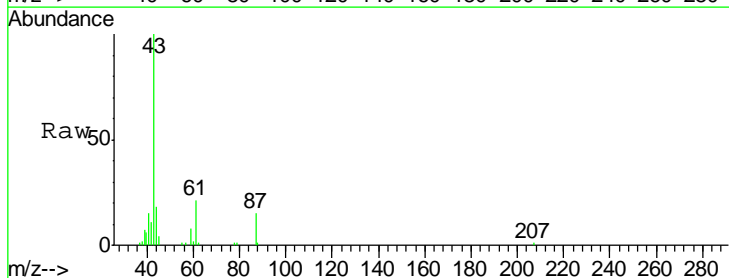
Instrument : MSVOA_U
 ClientSampled : VSTDIC001

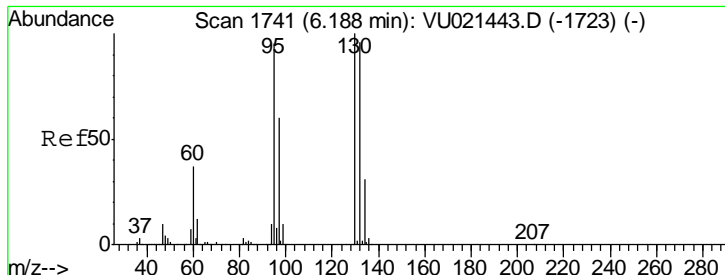
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#43
 Isopropyl Acetate
 Concen: 1.06 ug/l
 RT: 5.56 min Scan# 1546
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.5	24.7
87	14.6	11.4	17.0





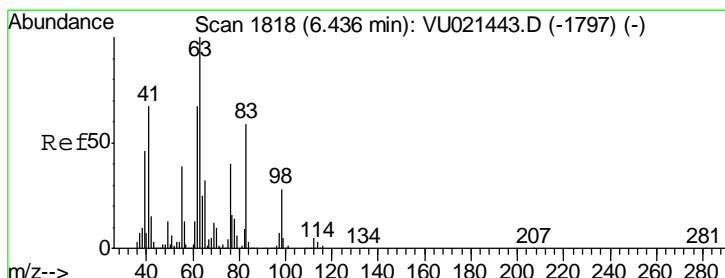
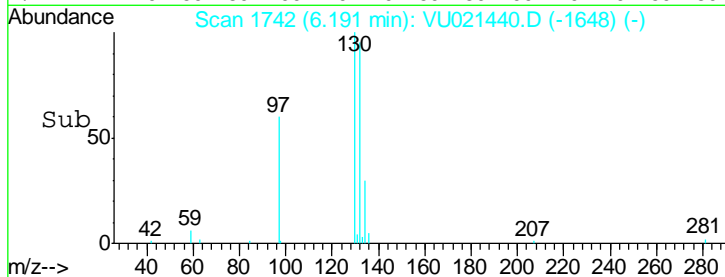
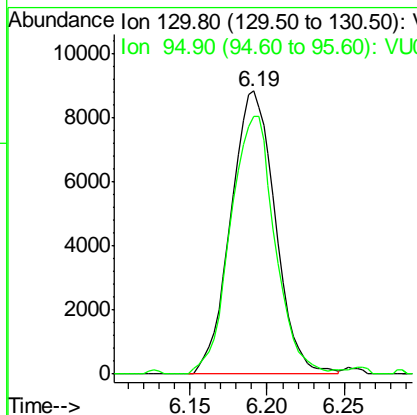
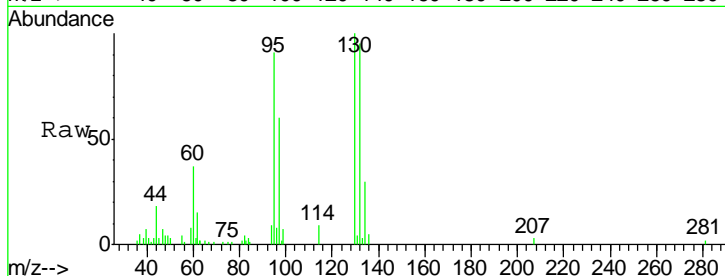
#44
 Trichloroethene
 Concen: 1.07 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
130	17636		
130	100		
95	91.1	0.0	197.8

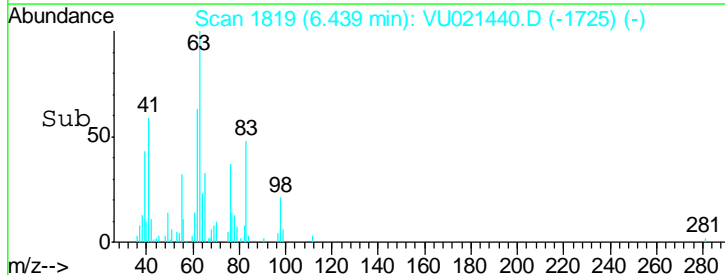
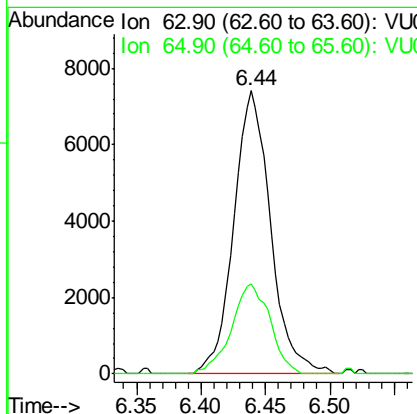
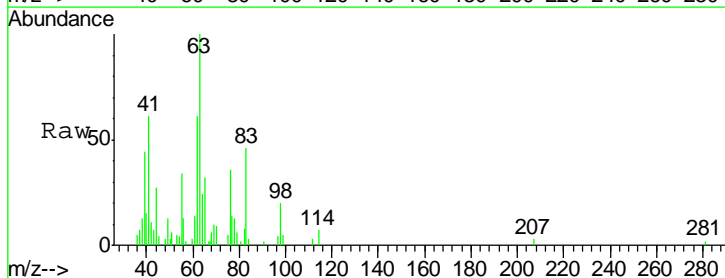
Manual Integrations
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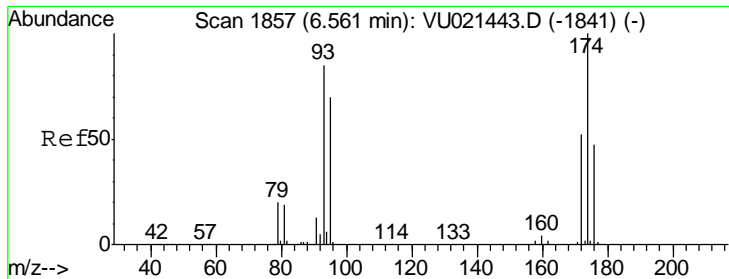
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#45
 1,2-Dichloropropane
 Concen: 1.14 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
63	14747		
63	100		
65	31.9	24.6	37.0





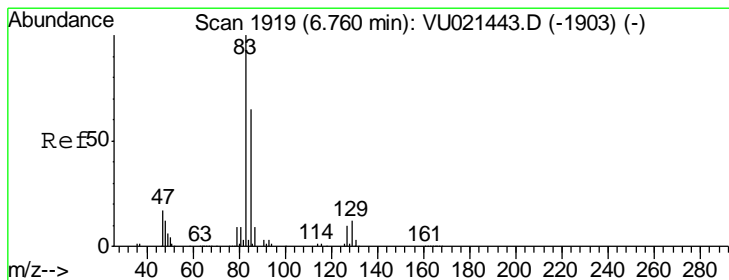
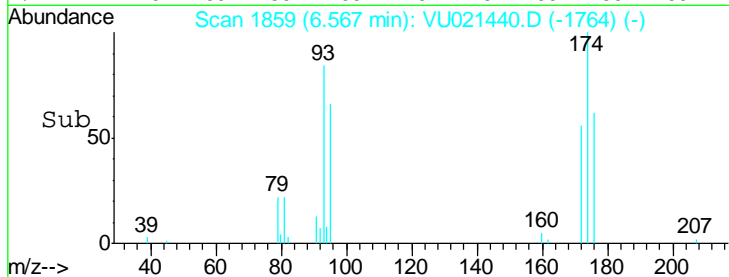
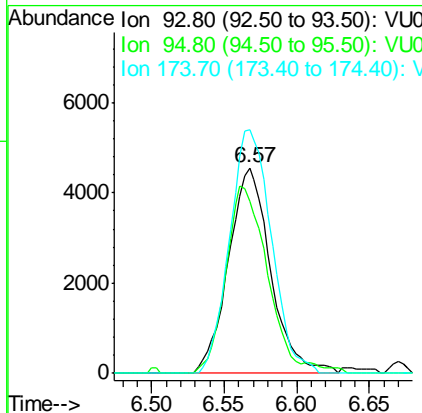
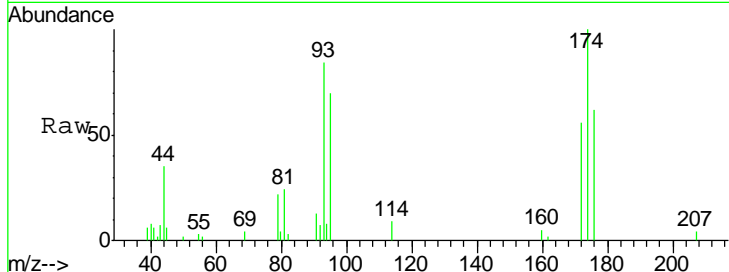
#46
 Dibromomethane
 Concen: 0.95 ug/l
 RT: 6.57 min Scan# 1859
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
93	100		
95	90.9	66.1	99.1
174	117.8	88.5	132.7

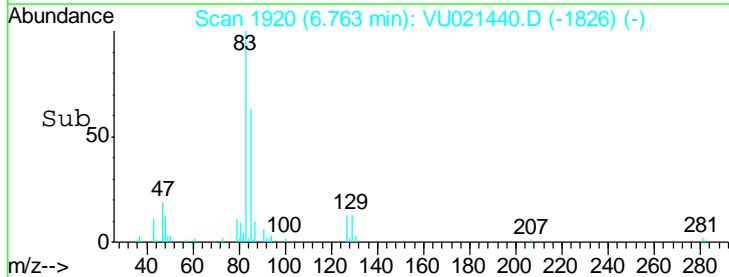
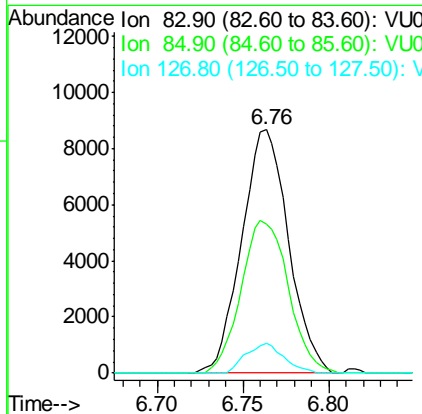
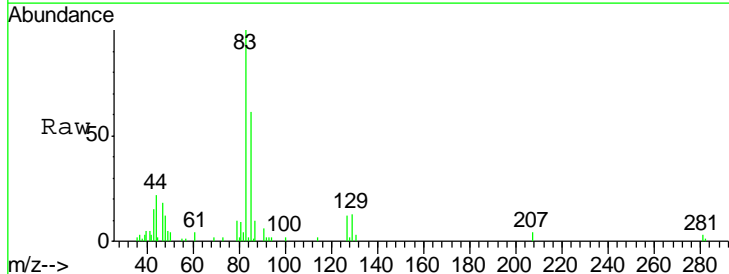
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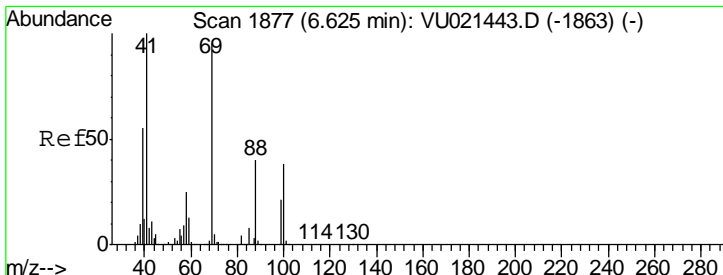
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#47
 Bromodichloromethane
 Concen: 0.90 ug/l
 RT: 6.76 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

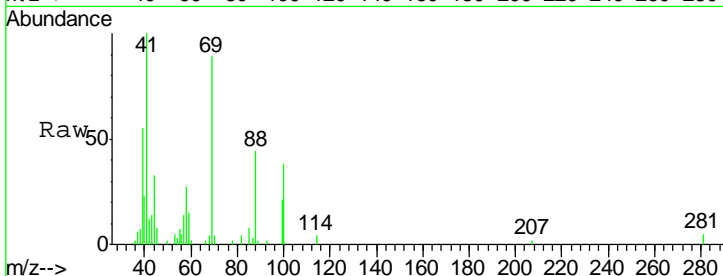
Tgt Ion	Resp	Lower	Upper
83	100		
85	61.3	51.4	77.0
127	12.4	7.0	10.6#





#48
 Methyl methacrylate
 Concen: 1.05 ug/l
 RT: 6.63 min Scan# 1880
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

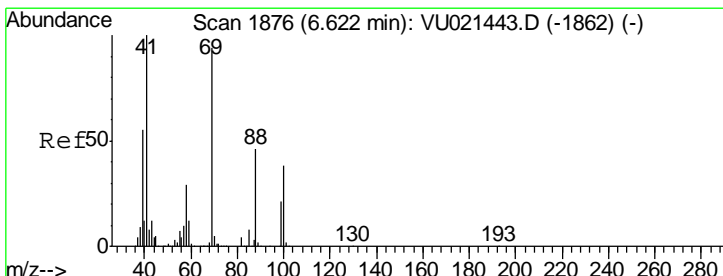
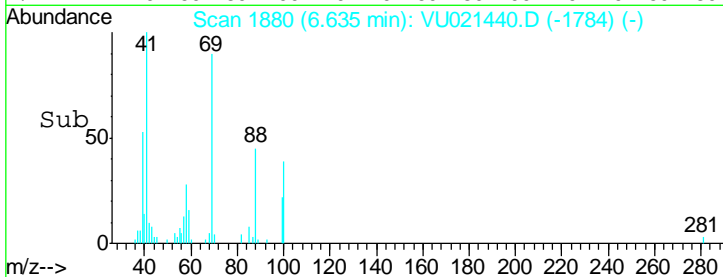
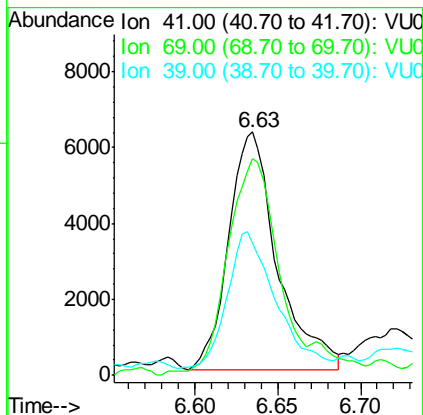


Tgt Ion: 41 Resp: 12822

Ion	Ratio	Lower	Upper
41	100		
69	92.2	70.6	105.8
39	56.5	41.6	62.4

Manual Integrations
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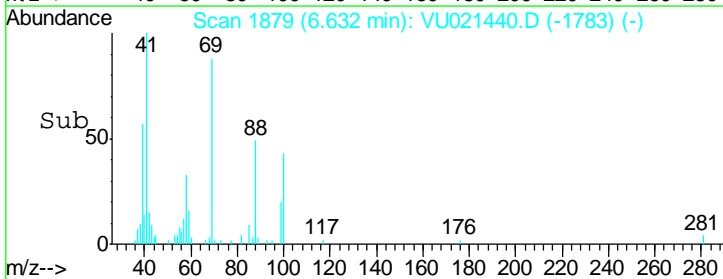
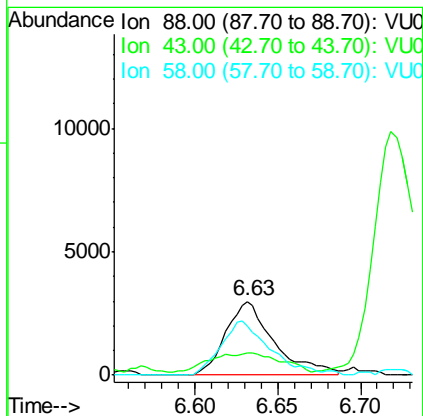
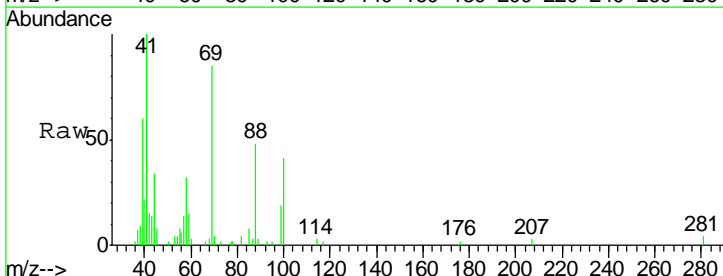
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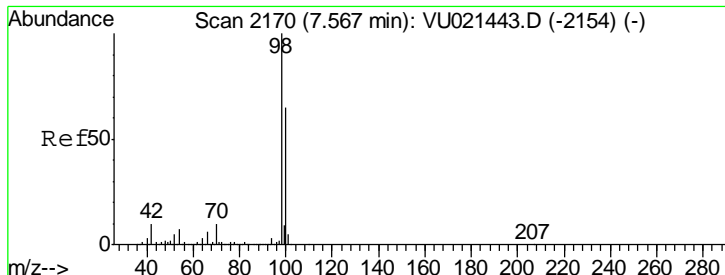


#49
 1,4-Dioxane
 Concen: 19.60 ug/l
 RT: 6.63 min Scan# 1879
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion: 88 Resp: 6067

Ion	Ratio	Lower	Upper
88	100		
43	36.3	23.7	35.5#
58	72.9	57.4	86.0





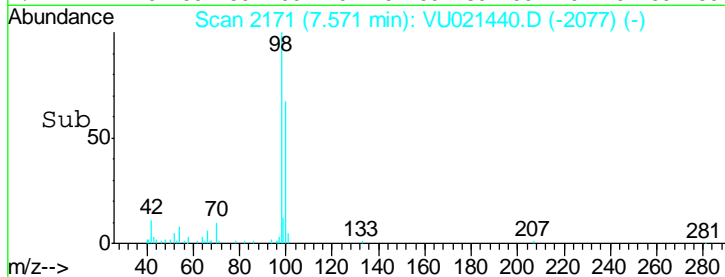
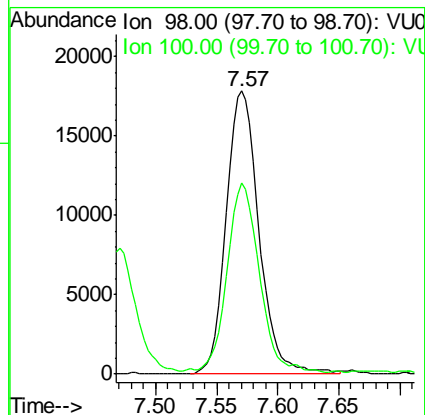
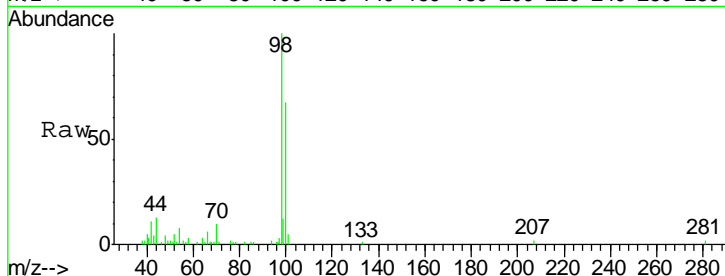
#50
 Toluene-d8
 Concen: 0.79 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
98	100		
100	66.1	50.5	75.7

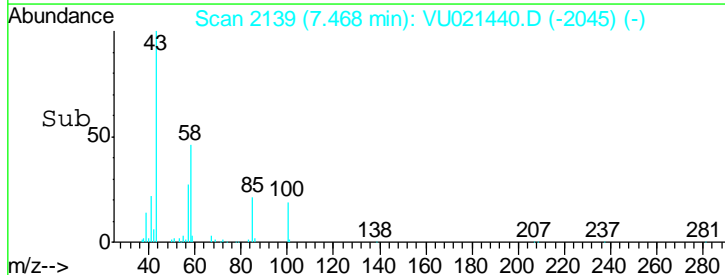
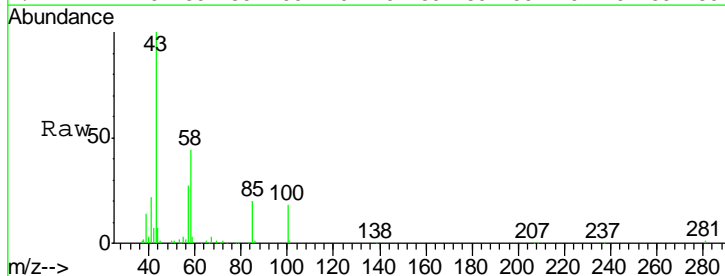
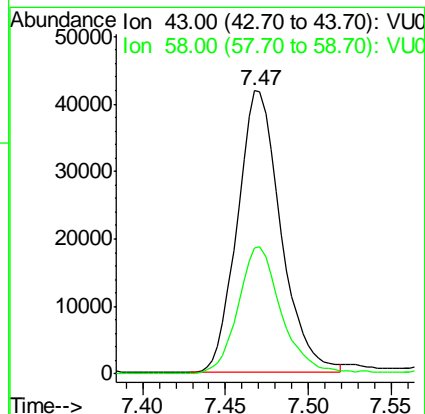
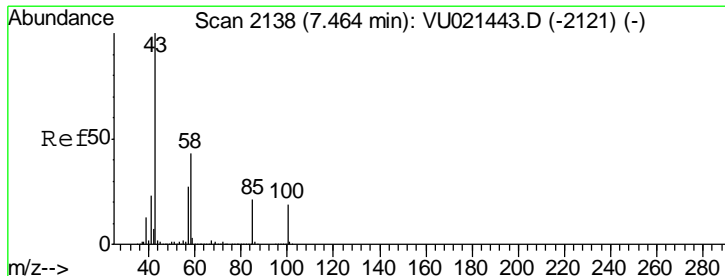
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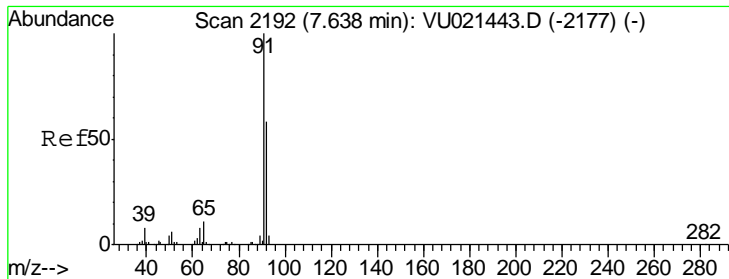
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#51
 4-Methyl-2-Pentanone
 Concen: 4.95 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
43	100		
58	45.1	32.4	48.6





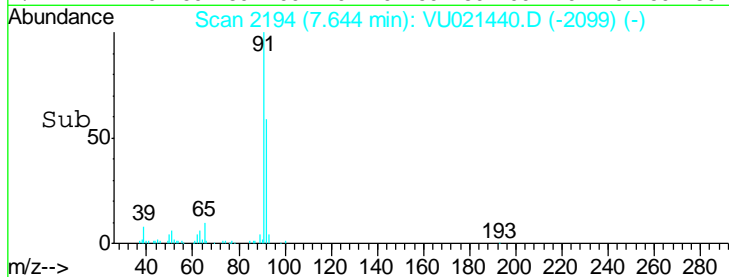
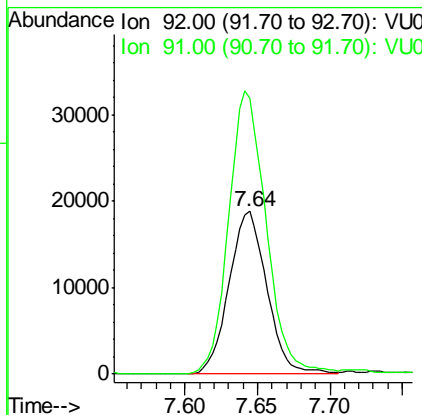
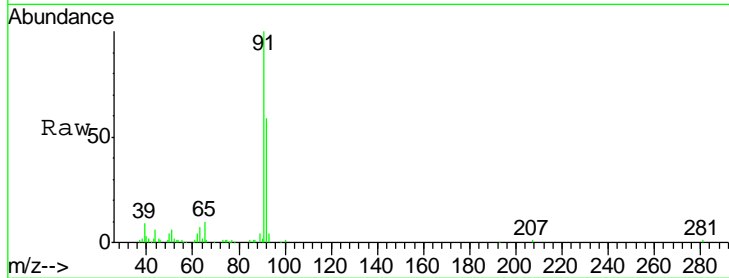
#52
 Toluene
 Concen: 0.99 ug/l
 RT: 7.64 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
92	34180		
92	100		
91	172.1	139.7	209.5

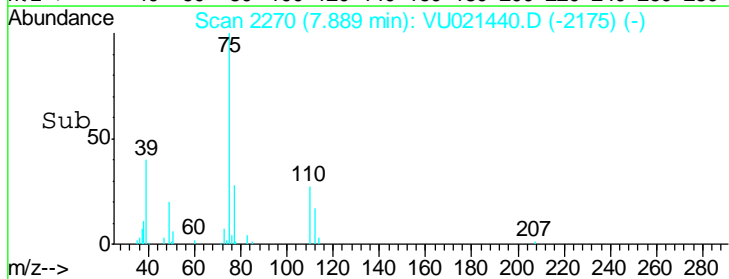
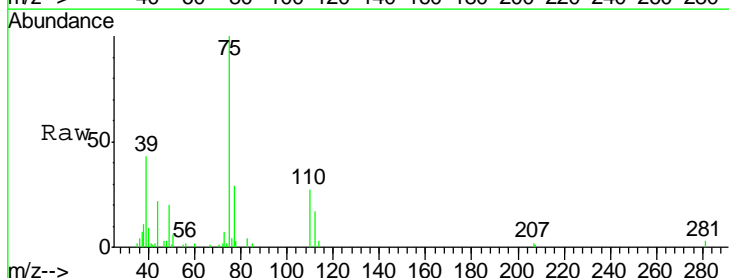
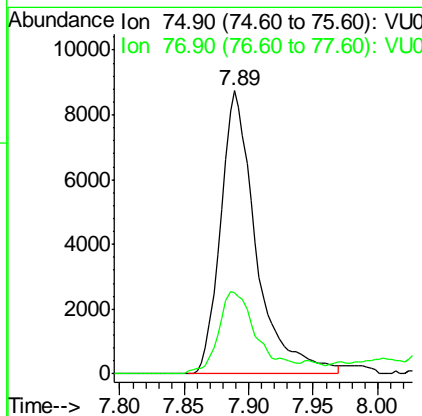
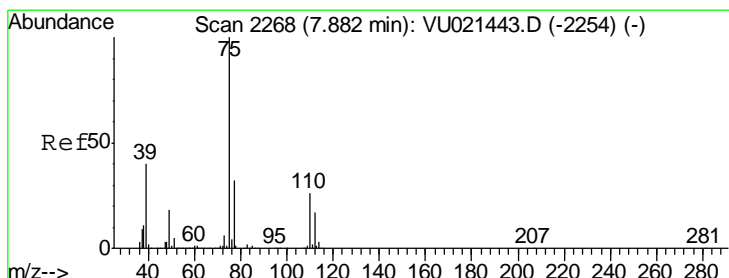
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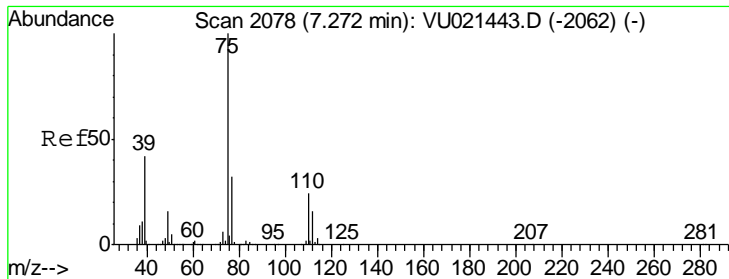
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#53
 t-1,3-Dichloropropene
 Concen: 0.83 ug/l
 RT: 7.89 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
75	16754		
75	100		
77	27.5	24.9	37.3





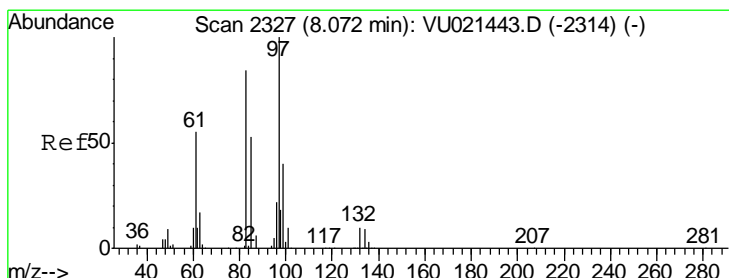
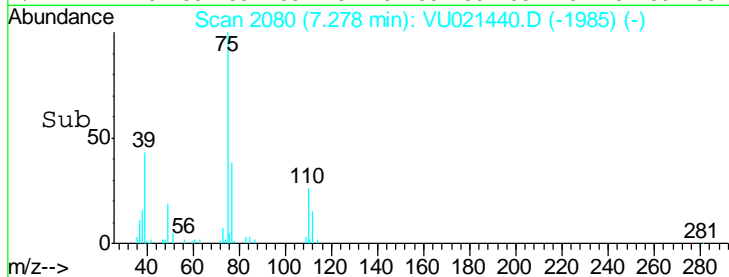
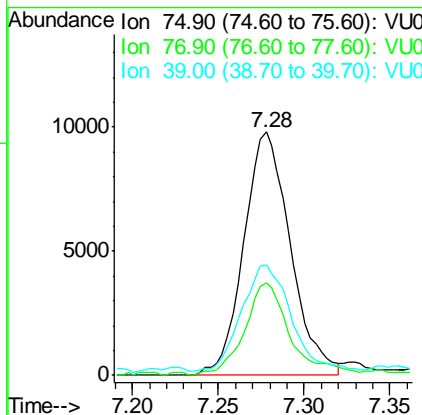
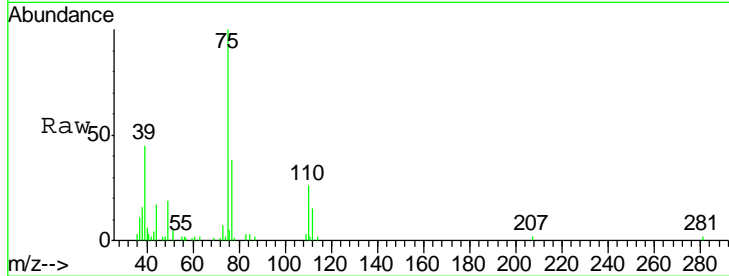
#54
 cis-1,3-Dichloropropene
 Concen: 0.85 ug/l
 RT: 7.28 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	18391		
77	38.2	25.5	38.3
39	43.4	34.2	51.4

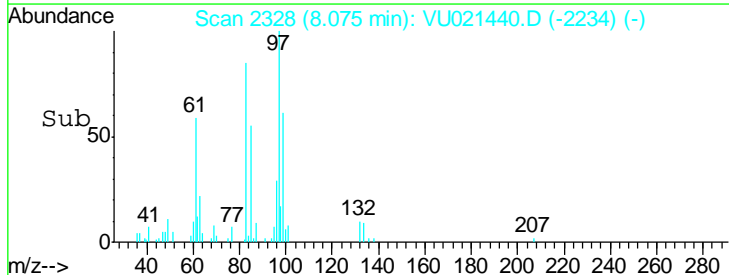
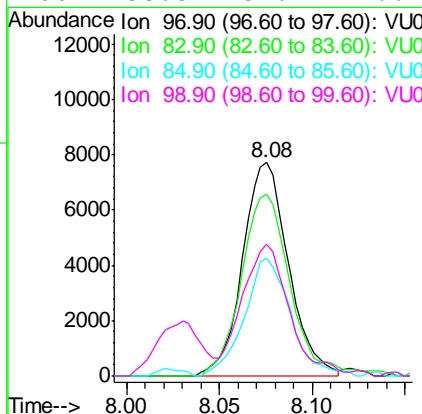
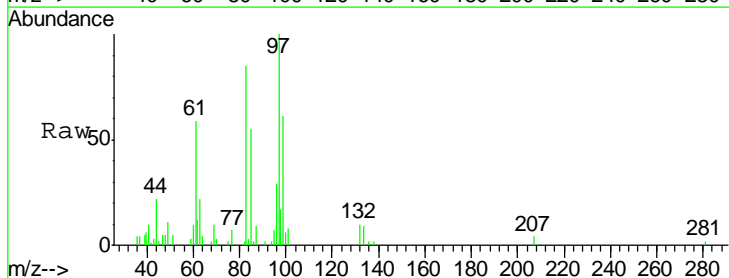
Manual Integrations
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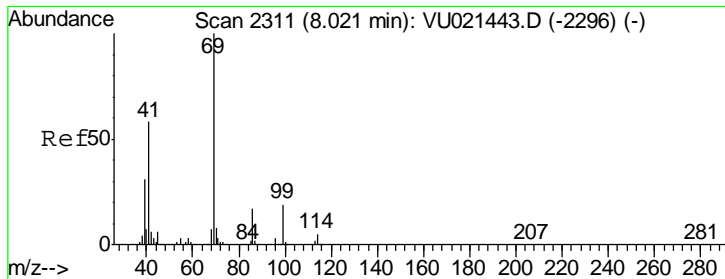
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#55
 1,1,2-Trichloroethane
 Concen: 0.96 ug/l
 RT: 8.08 min Scan# 2328
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
97	13266		
83	85.0	70.6	106.0
85	53.4	46.8	70.2
99	58.3	51.1	76.7





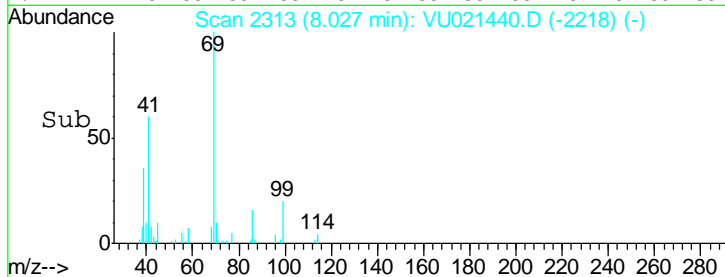
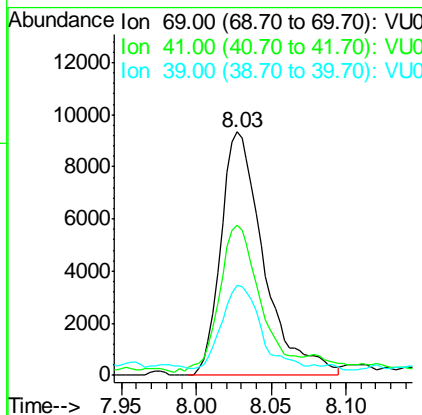
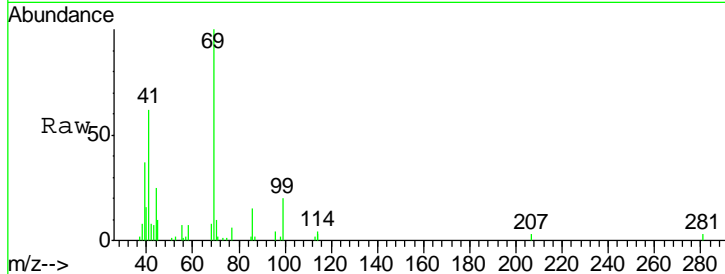
#56
 Ethyl methacrylate
 Concen: 0.97 ug/l
 RT: 8.03 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
69	18661		
41	57.7	50.1	75.1
39	30.7	25.2	37.8

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

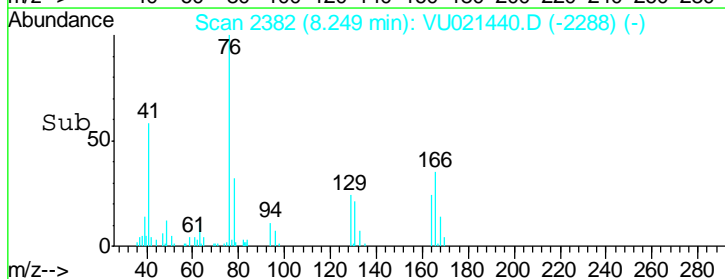
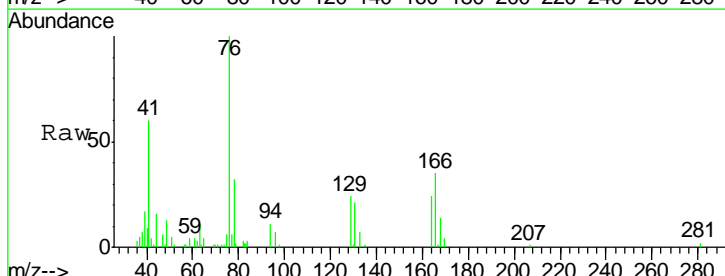
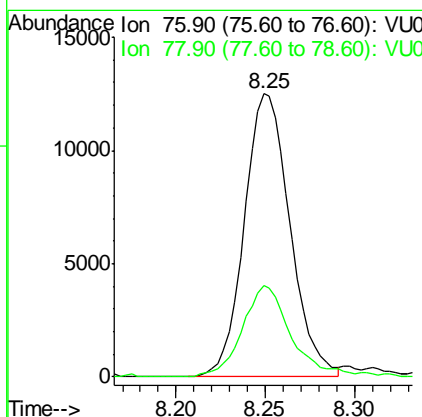
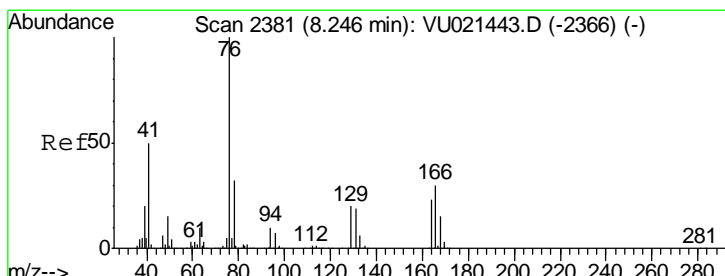
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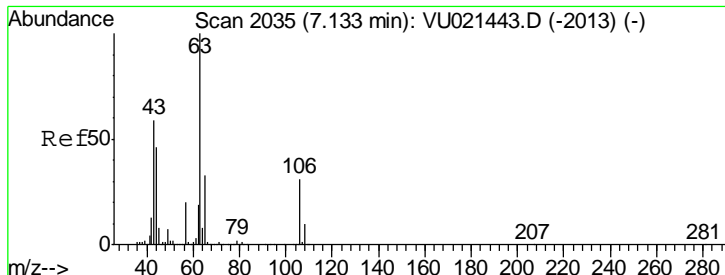
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#57
 1,3-Dichloropropane
 Concen: 1.03 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
76	22358		
78	34.6	25.7	38.5





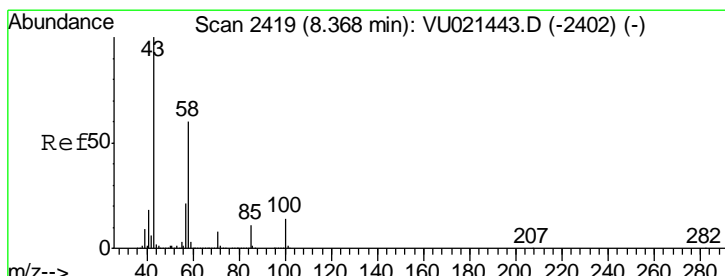
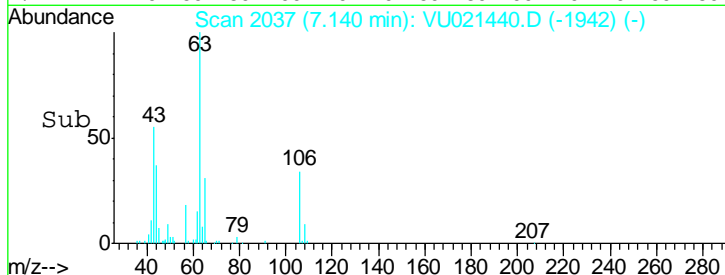
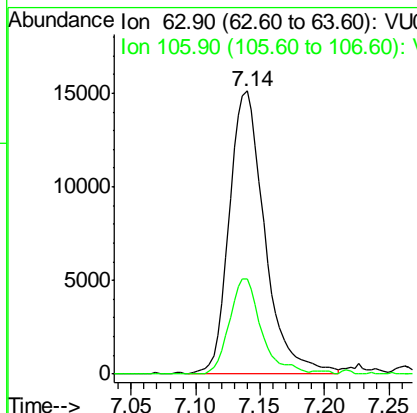
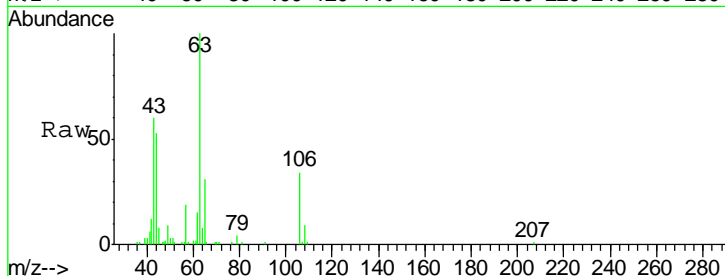
#58
 2-Chloroethyl Vinyl ether
 Concen: 4.56 ug/l
 RT: 7.14 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion: 63 Resp: 28973
 Ion Ratio Lower Upper
 63 100
 106 30.3 21.8 32.8

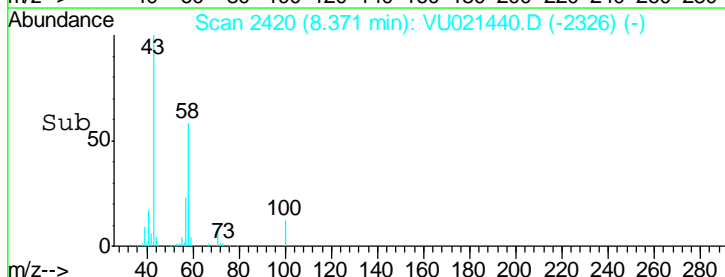
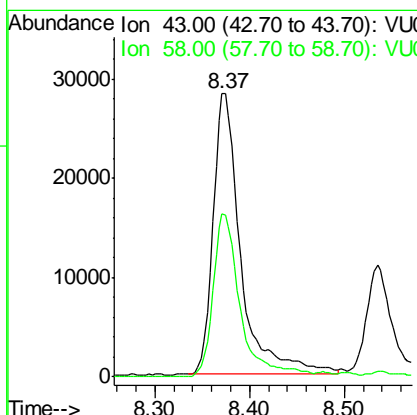
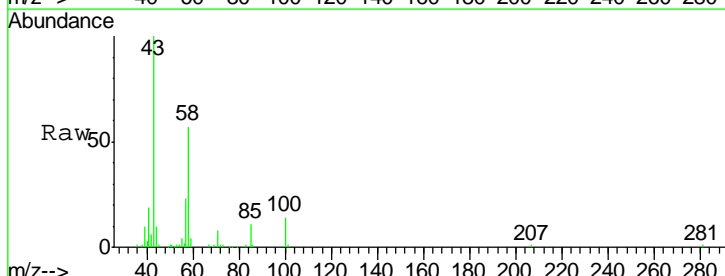
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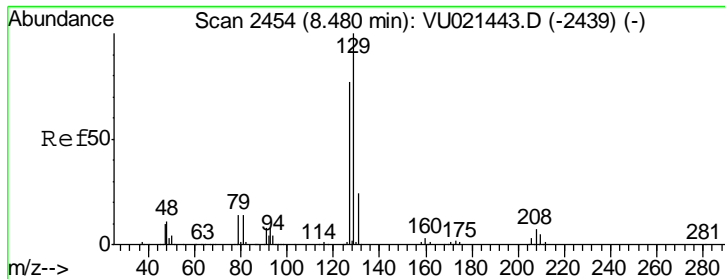
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#59
 2-Hexanone
 Concen: 4.77 ug/l
 RT: 8.37 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion: 43 Resp: 57562
 Ion Ratio Lower Upper
 43 100
 58 55.2 27.9 83.7





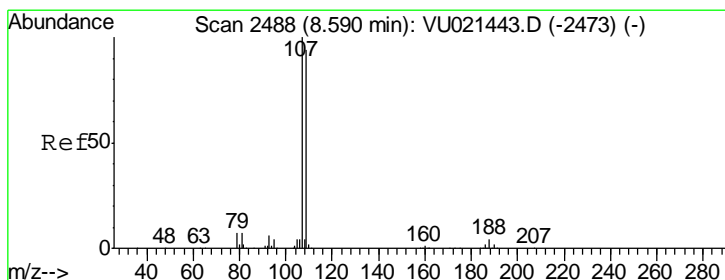
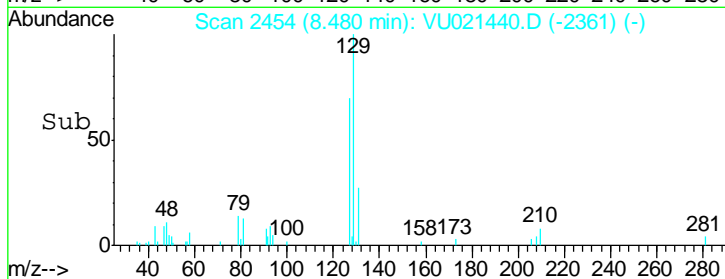
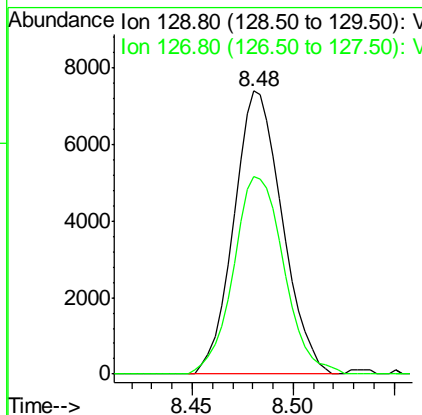
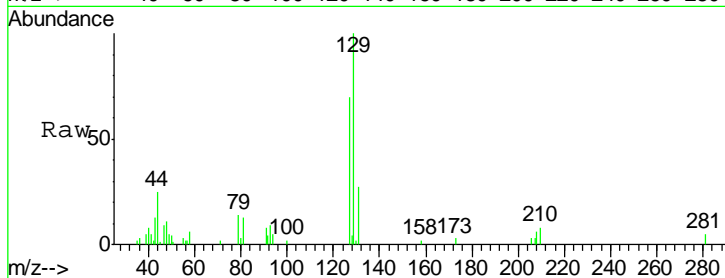
#60
 Dibromochloromethane
 Concen: 0.77 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
129	12416		
127	72.9	38.2	114.6

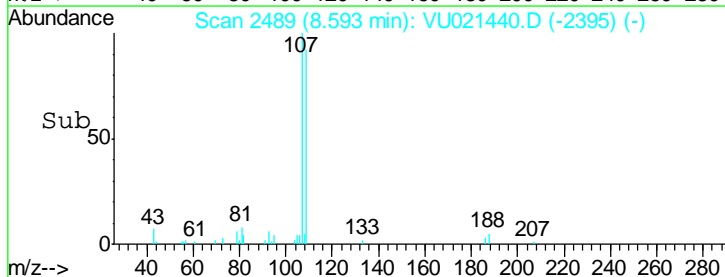
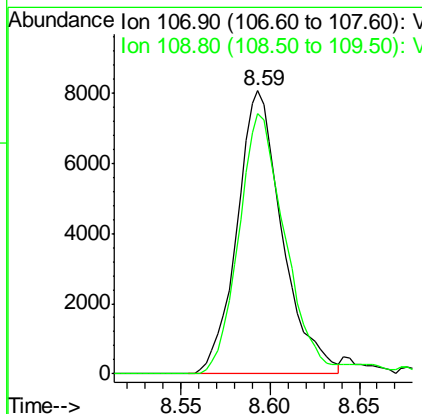
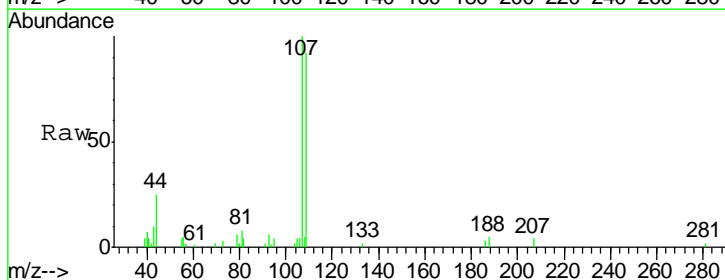
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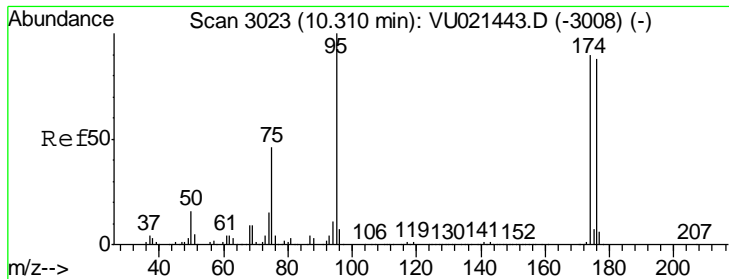
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#61
 1,2-Dibromoethane
 Concen: 0.94 ug/l
 RT: 8.59 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
107	14233		
109	94.1	76.0	114.0





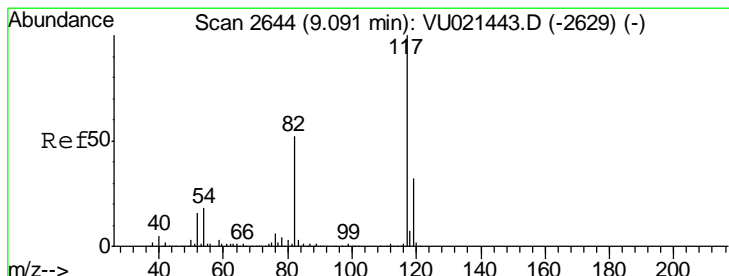
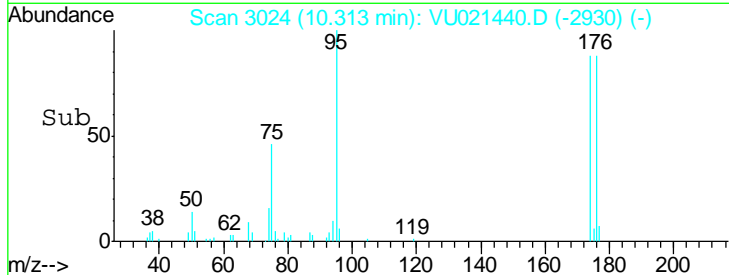
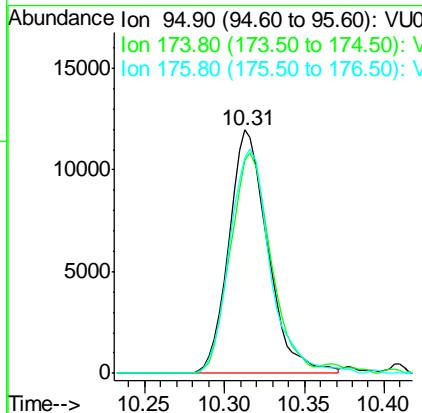
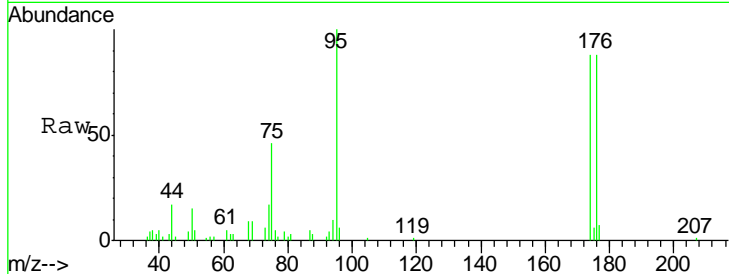
#62
 4-Bromofluorobenzene
 Concen: 1.10 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tot Ion:	95	Resp:	19883
Ion Ratio	Lower	Upper	
95	100		
174	93.8	0.0	185.4
176	95.9	0.0	178.4

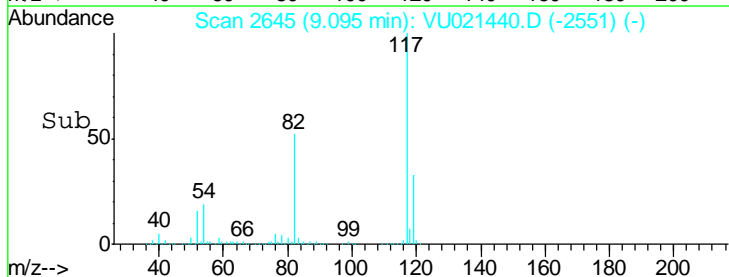
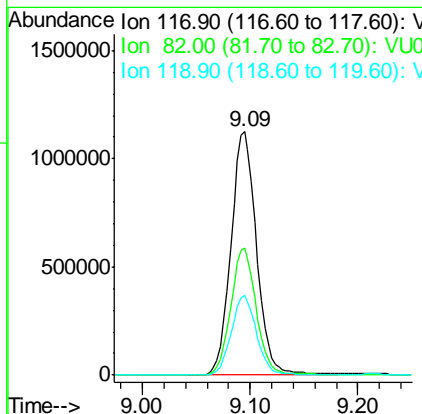
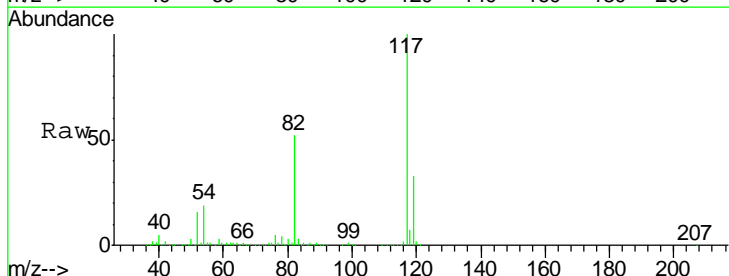
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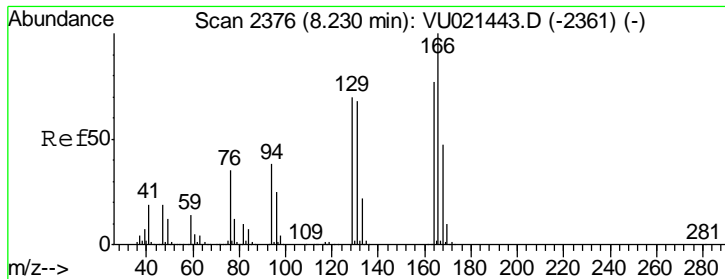
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#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

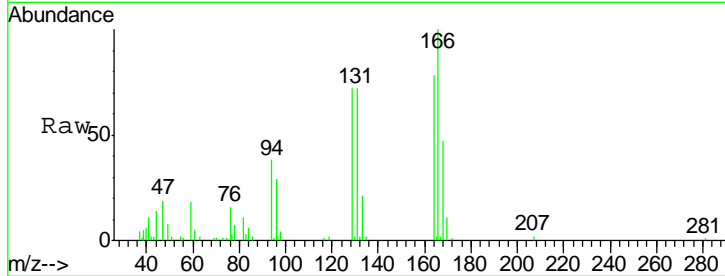
Tgt Ion:	117	Resp:	1869408
Ion Ratio	Lower	Upper	
117	100		
82	52.0	43.0	64.4
119	32.5	25.6	38.4





#64
 Tetrachloroethene
 Concen: 1.01 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

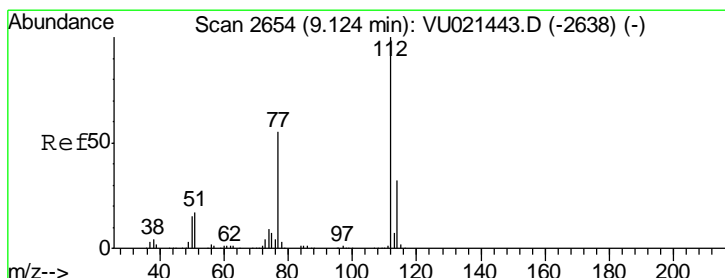
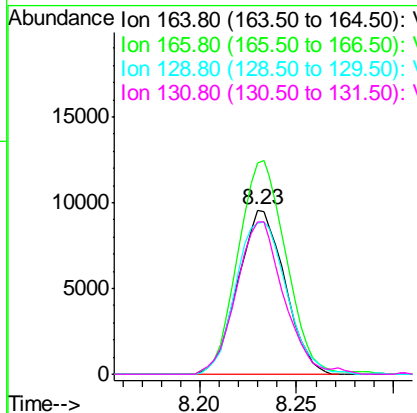
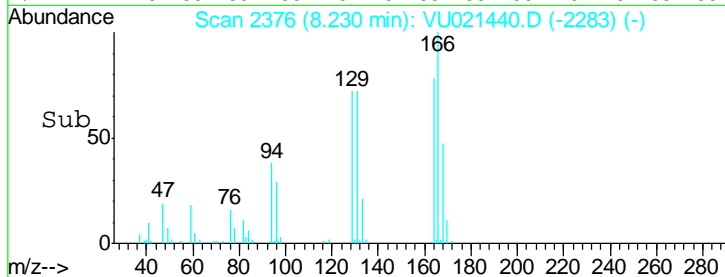
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



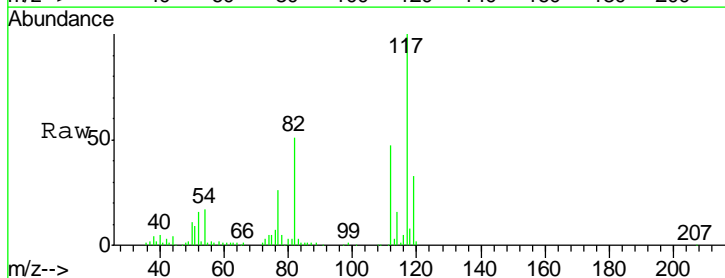
Tgt Ion: 164 Resp: 16122

Ion	Ratio	Lower	Upper
164	100		
166	128.6	102.3	153.5
129	92.2	71.4	107.2
131	92.7	69.4	104.0

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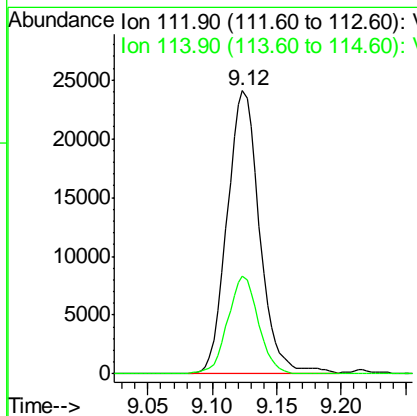
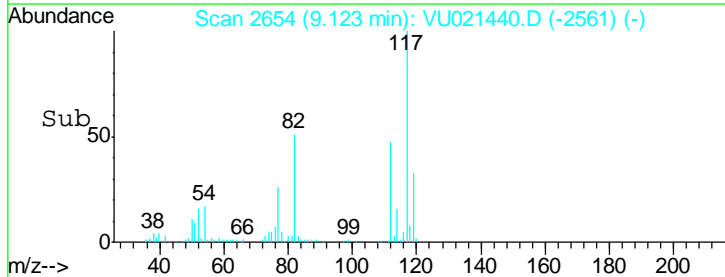


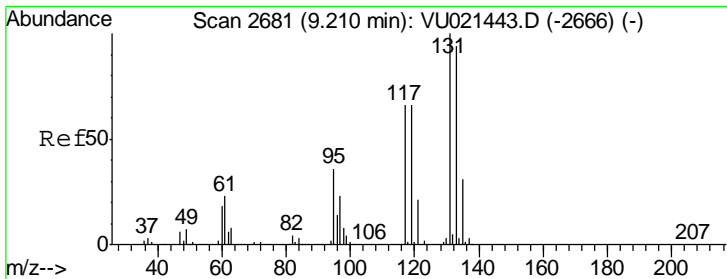
#65
 Chlorobenzene
 Concen: 1.09 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54



Tgt Ion: 112 Resp: 42242

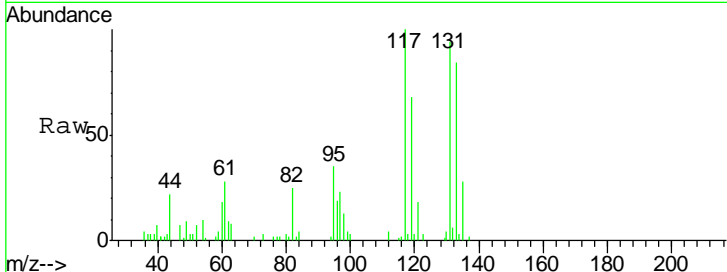
Ion	Ratio	Lower	Upper
112	100		
114	34.5	25.6	38.4





#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.90 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

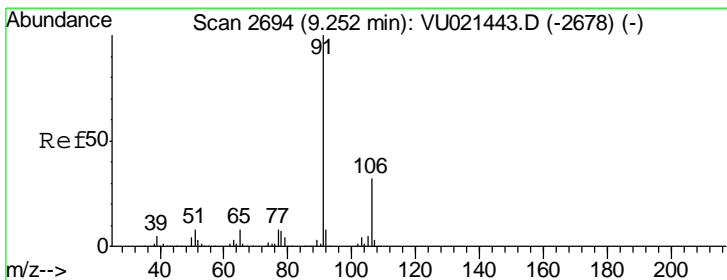
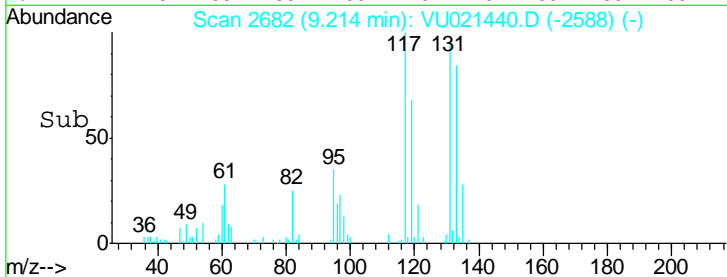
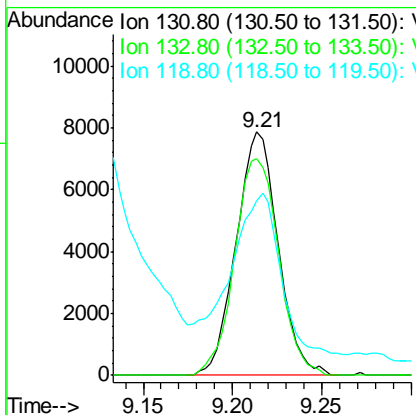


Tgt Ion: 131 Resp: 12940

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.2	141.6
119	0.0	32.1	96.5#

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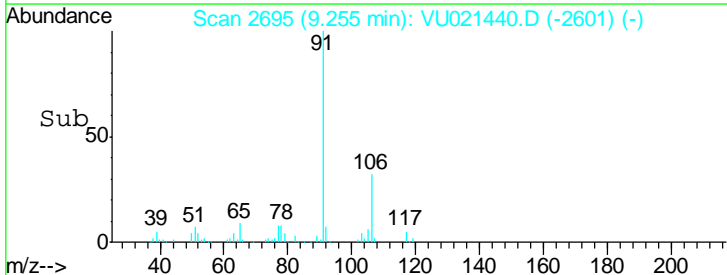
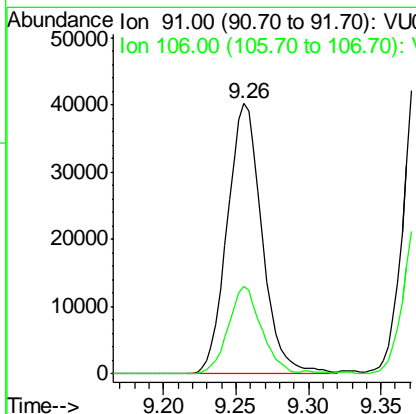
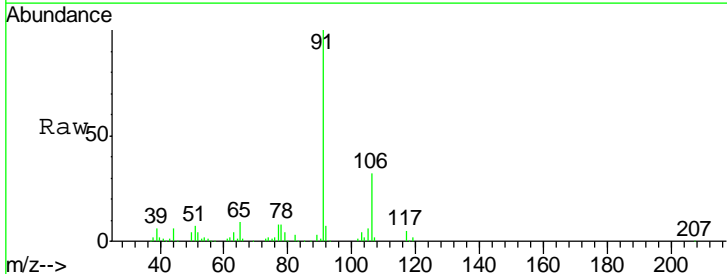
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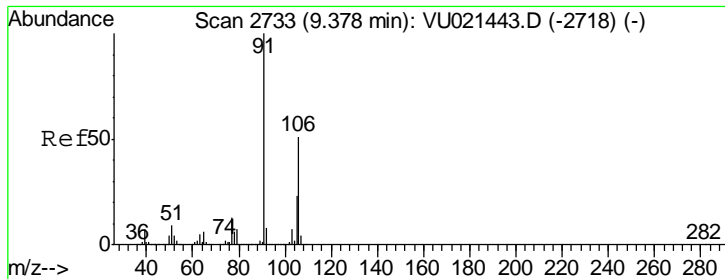


#67
 Ethyl Benzene
 Concen: 1.03 ug/l
 RT: 9.26 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion: 91 Resp: 66818

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.0	37.4





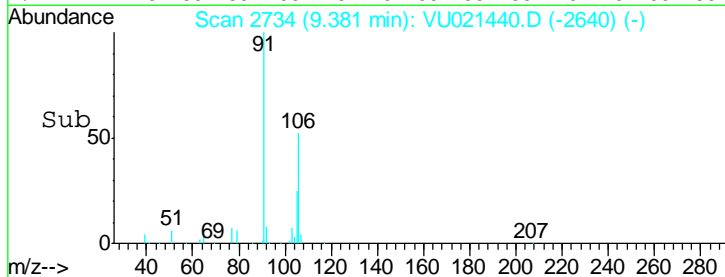
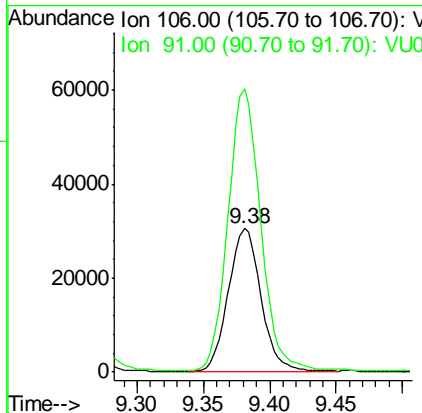
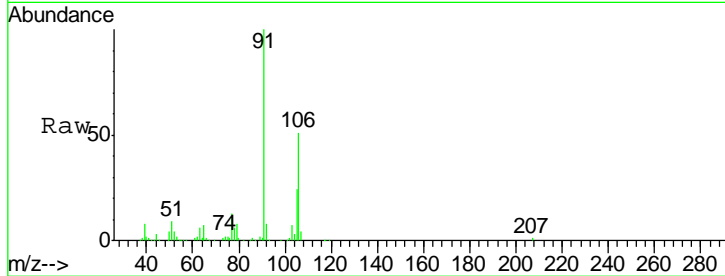
#68
 m/p-Xylenes
 Concen: 2.08 ug/l
 RT: 9.38 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
106	53129		
106	100		
91	192.3	160.2	240.4

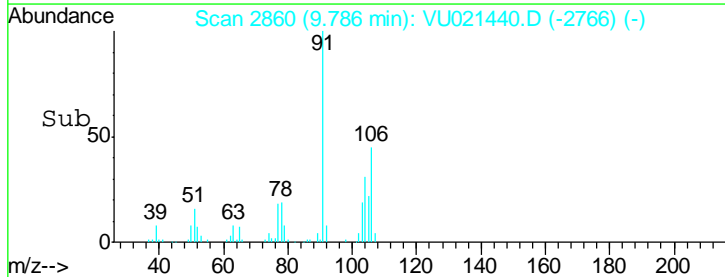
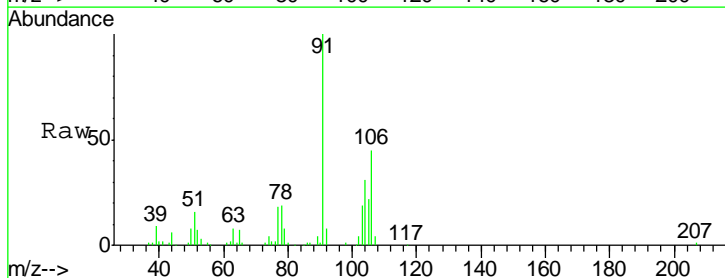
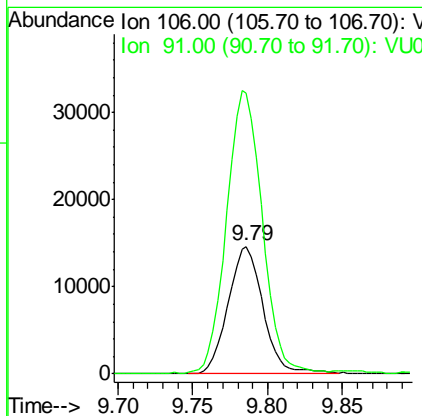
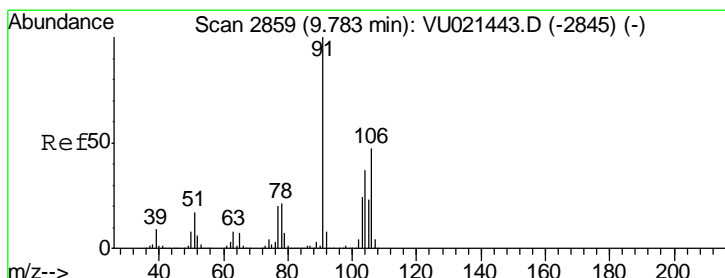
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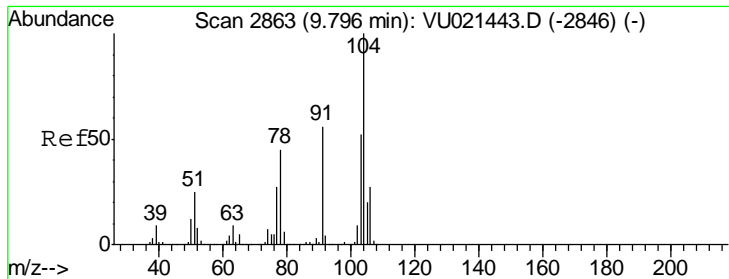
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#69
 o-Xylene
 Concen: 0.95 ug/l
 RT: 9.79 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

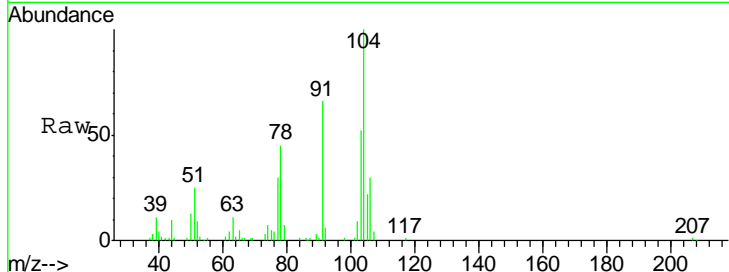
Tgt Ion	Resp	Lower	Upper
106	23874		
106	100		
91	226.5	106.7	320.1





#70
 Styrene
 Concen: 0.95 ug/l
 RT: 9.80 min Scan# 2864
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

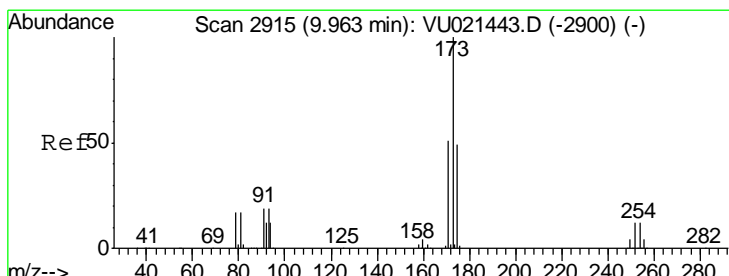
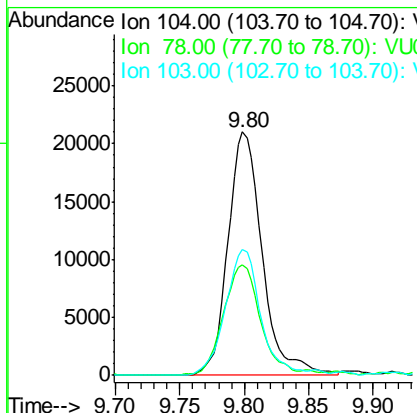
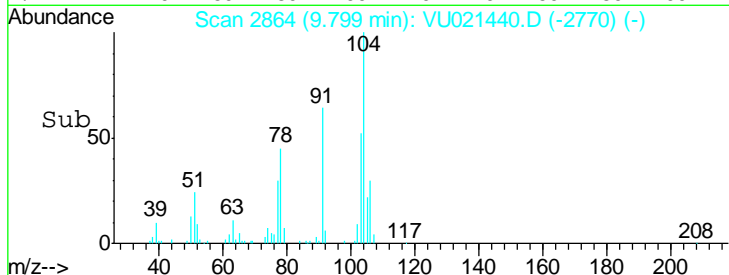
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



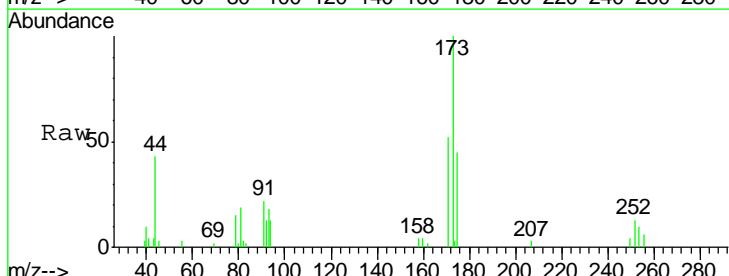
Tgt Ion: 104 Resp: 38892

Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.4	57.6
103	52.7	44.0	66.0

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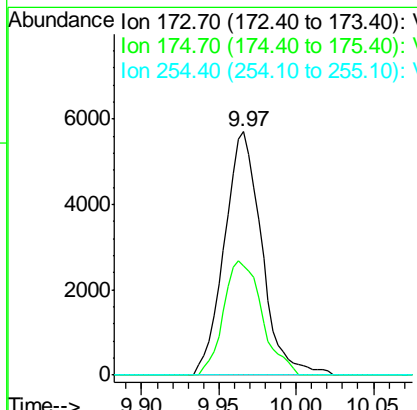
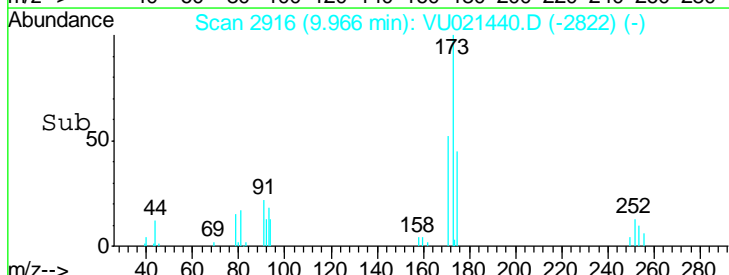


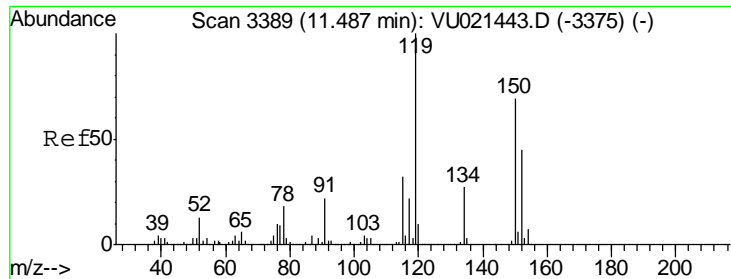
#71
 Bromoform
 Concen: 0.72 ug/l
 RT: 9.97 min Scan# 2916
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54



Tgt Ion: 173 Resp: 9542

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.1	0.1#





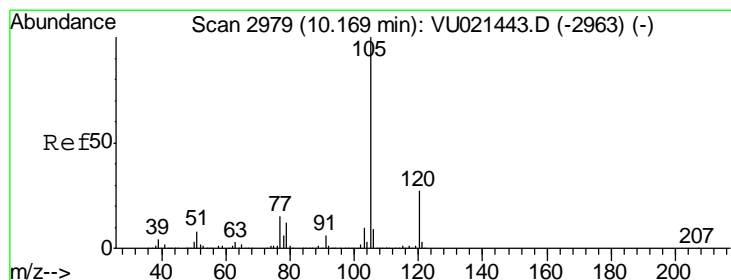
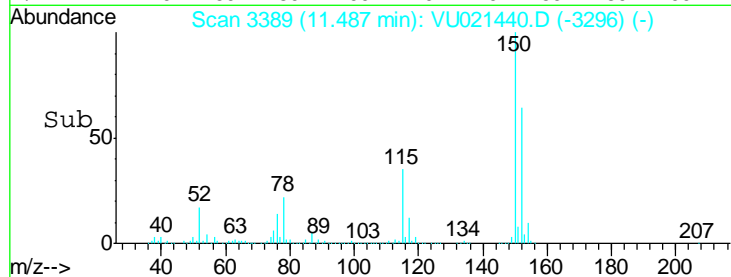
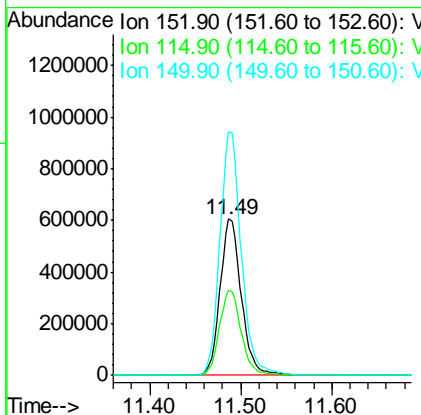
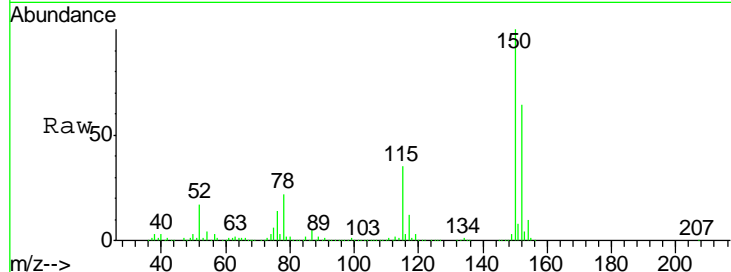
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
152	984154		
152	100		
115	55.9	38.2	114.6
150	156.5	0.0	346.2

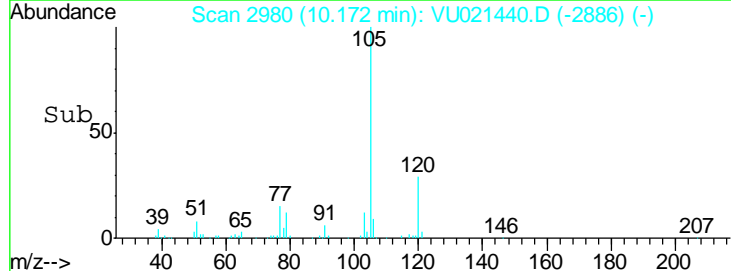
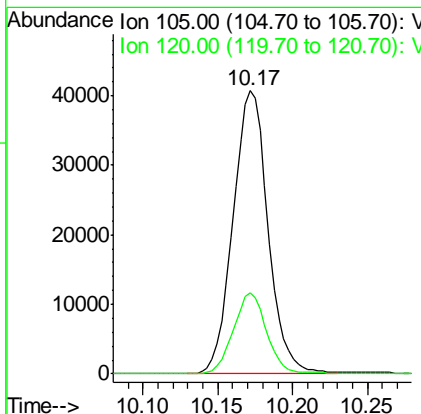
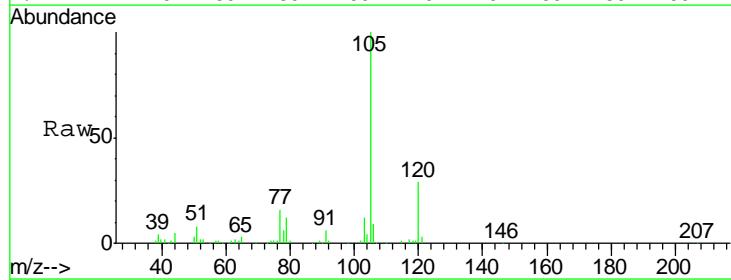
Manual Integrations
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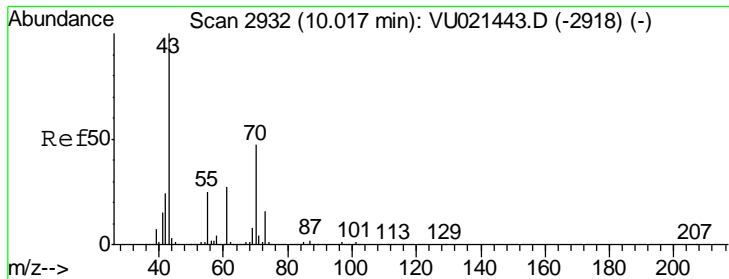
1/4/2018 11:18:32 AM



#73
 Isopropylbenzene
 Concen: 1.05 ug/l
 RT: 10.17 min Scan# 2980
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
105	66397		
105	100		
120	27.5	13.3	39.9





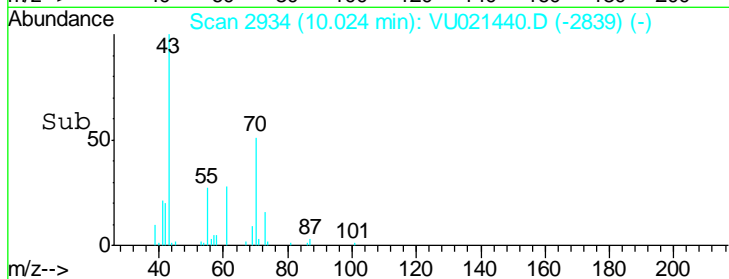
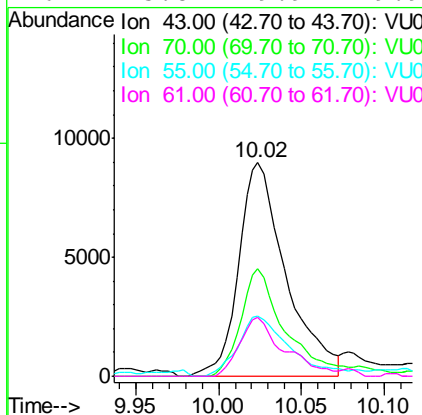
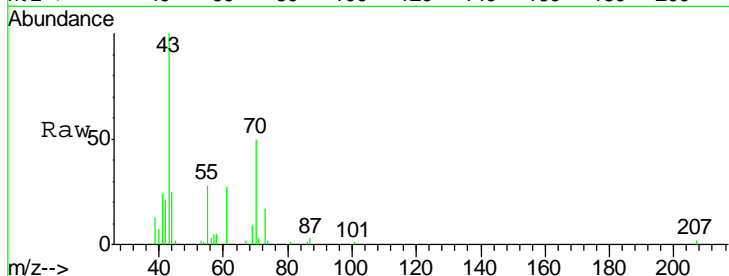
#74
 N-amyl acetate
 Concen: 0.94 ug/l
 RT: 10.02 min Scan# 2934
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
43	17858		
70	46.6	35.6	53.4
55	30.6	21.8	32.6
61	25.8	19.9	29.9

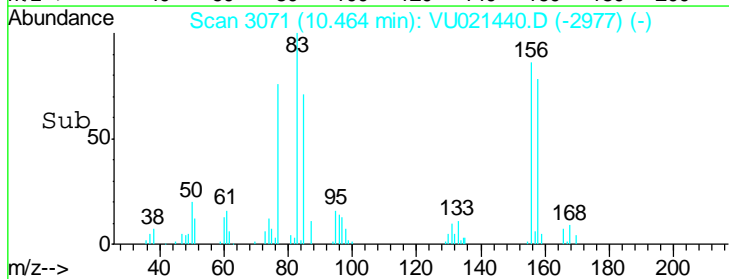
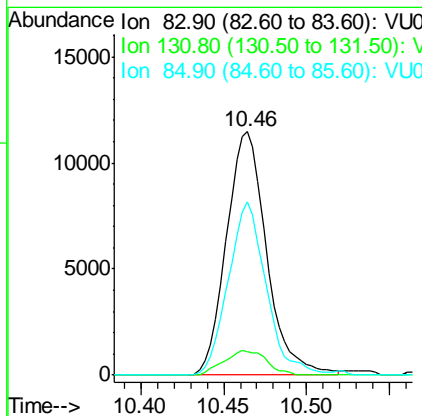
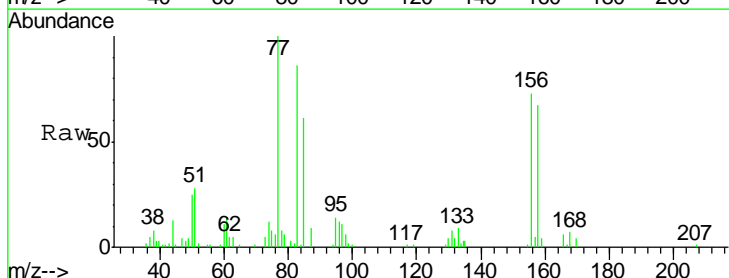
Manual Integrations
 APPROVED

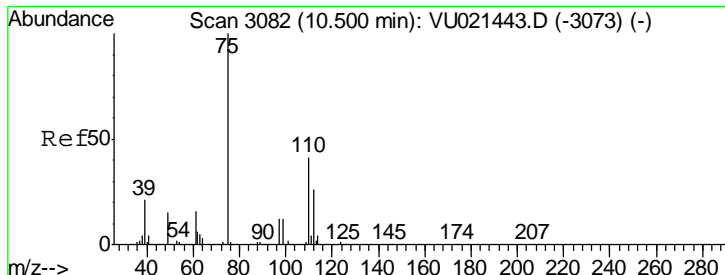
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#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.03 ug/l
 RT: 10.46 min Scan# 3071
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
83	19325		
131	10.6	4.9	14.7
85	67.4	32.2	96.6





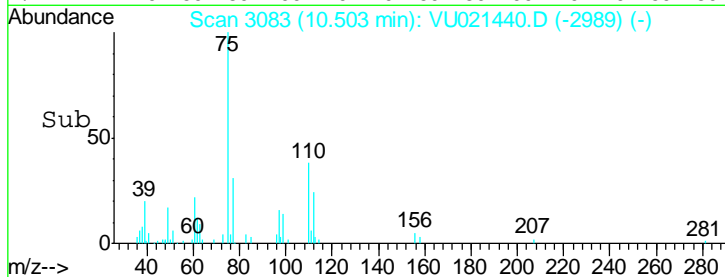
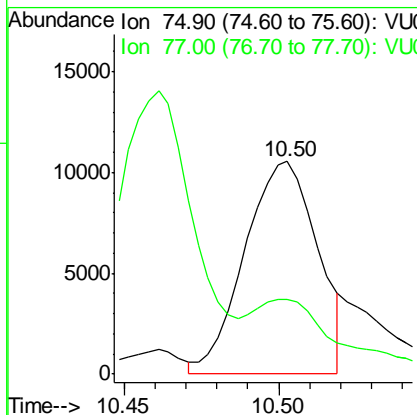
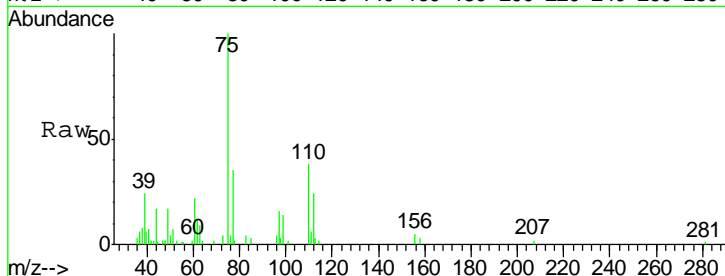
#76
 1,2,3-Trichloropropane
 Concen: 1.13 ug/l m
 RT: 10.50 min Scan# 3083
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	17285		
75	100		
77	41.1	21.3	63.7

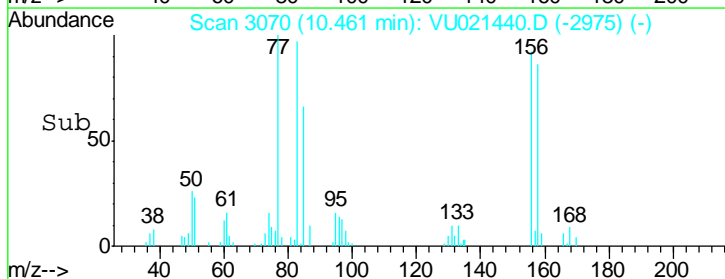
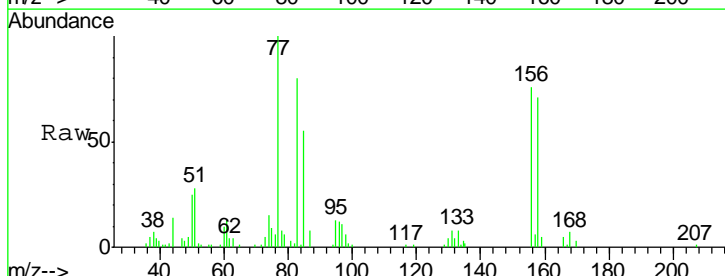
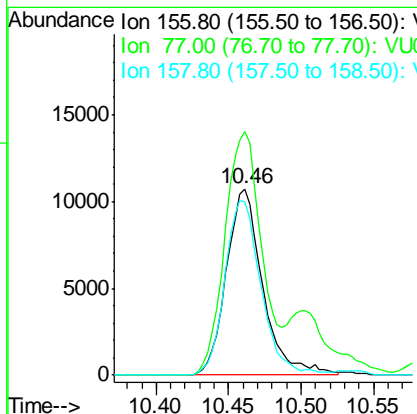
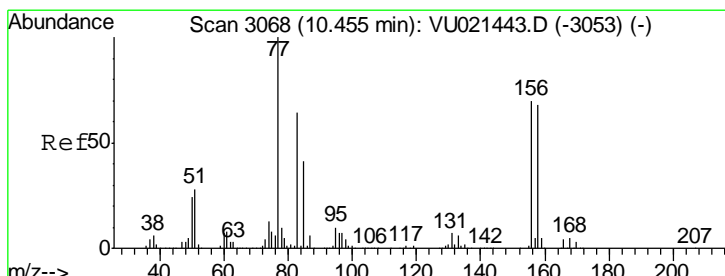
Manual Integrations
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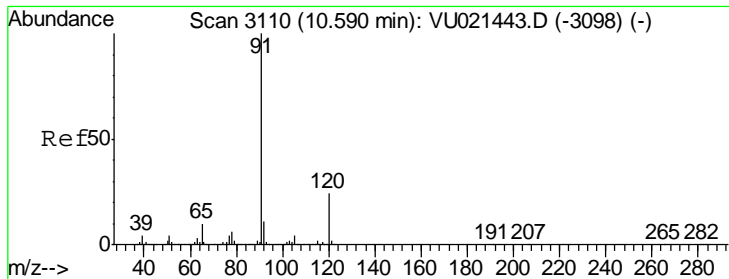
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#77
 Bromobenzene
 Concen: 1.06 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
156	18648		
156	100		
77	132.0	71.4	214.1
158	92.9	48.5	145.6





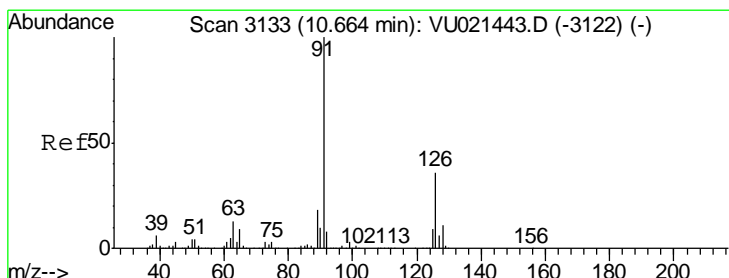
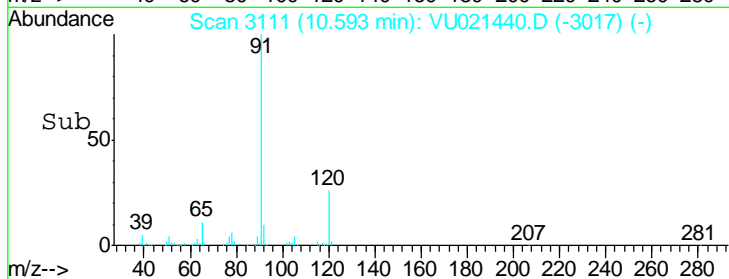
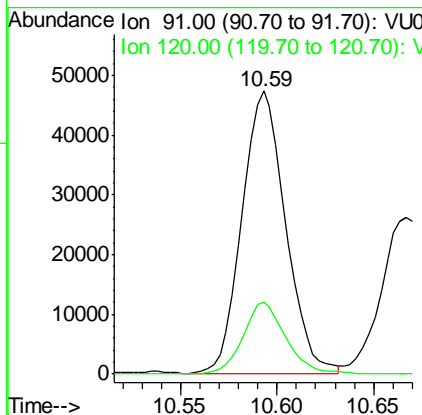
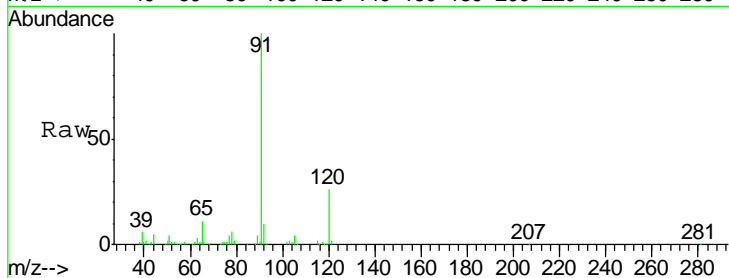
#78
 n-propylbenzene
 Concen: 1.07 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	100		
120	24.9	11.8	35.4

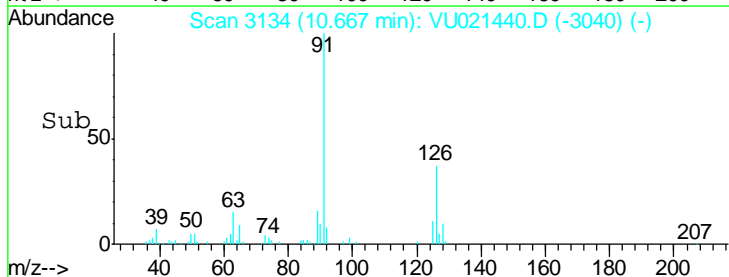
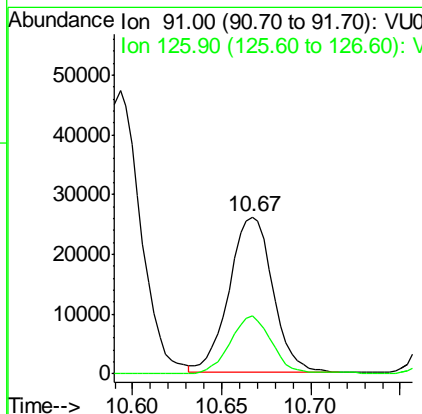
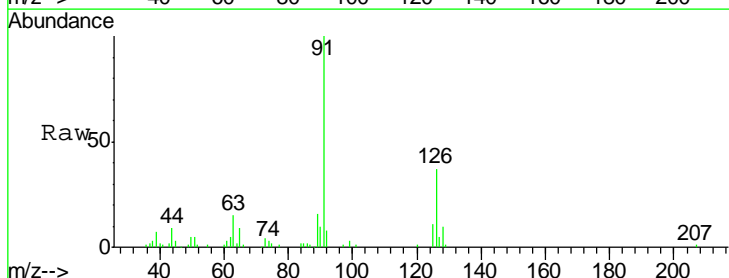
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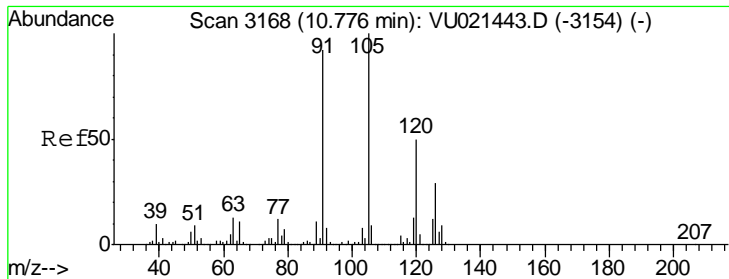
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#79
 2-Chlorotoluene
 Concen: 1.06 ug/l
 RT: 10.67 min Scan# 3134
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
91	100		
126	36.0	17.6	52.9





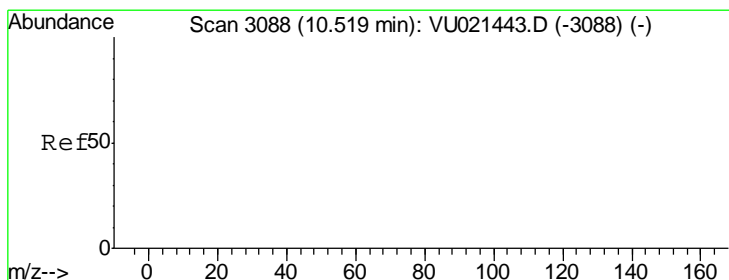
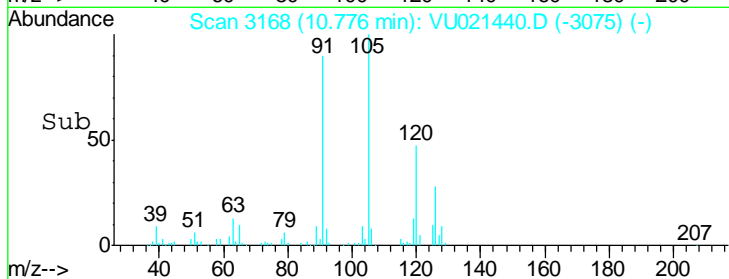
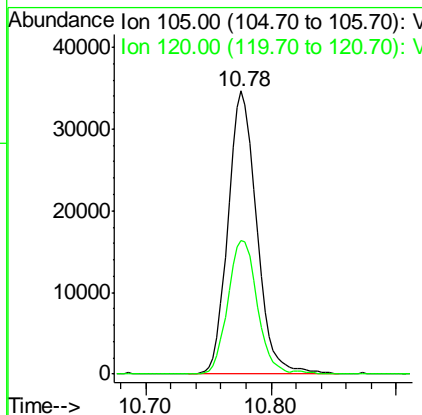
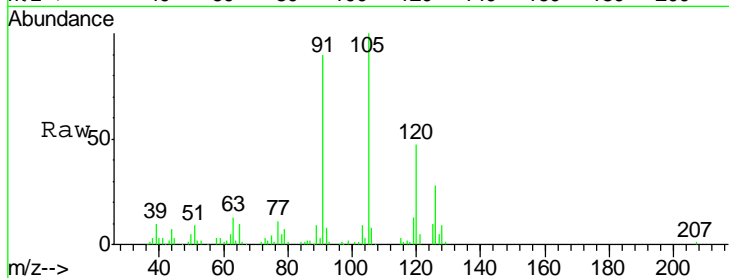
#80
 1,3,5-Trimethylbenzene
 Concen: 1.04 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	54967		
105	100		
120	48.1	24.6	74.0

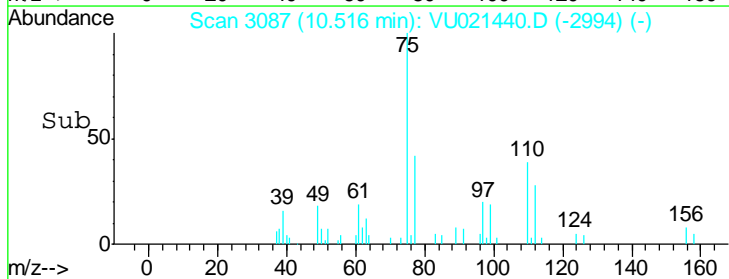
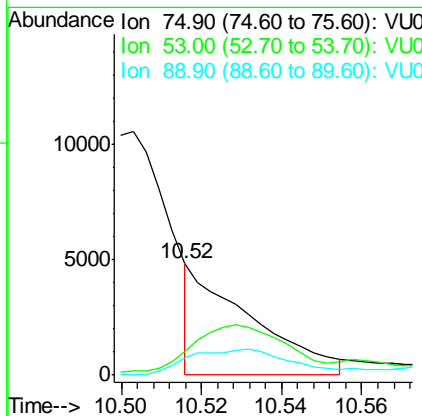
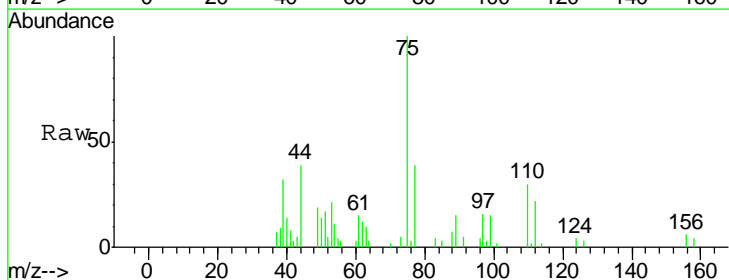
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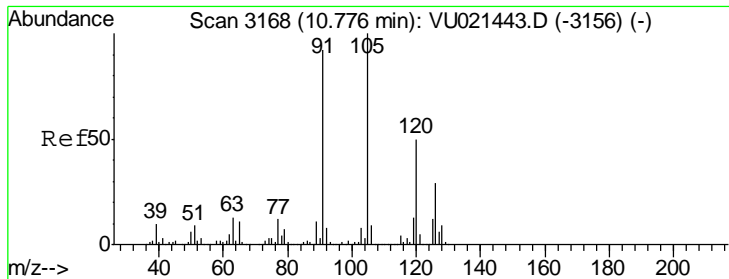
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.91 ug/l m
 RT: 10.52 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
75	4993		
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0





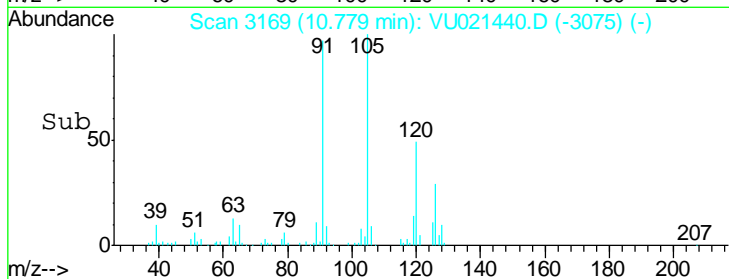
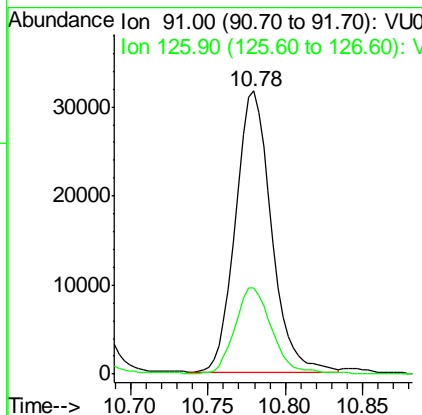
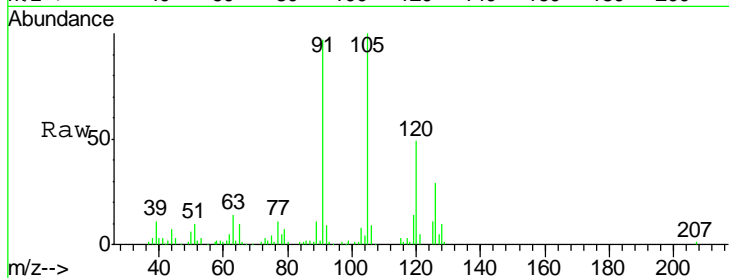
#82
 4-Chlorotoluene
 Concen: 1.06 ug/l
 RT: 10.78 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	50904		
91	100		
126	31.8	15.2	45.6

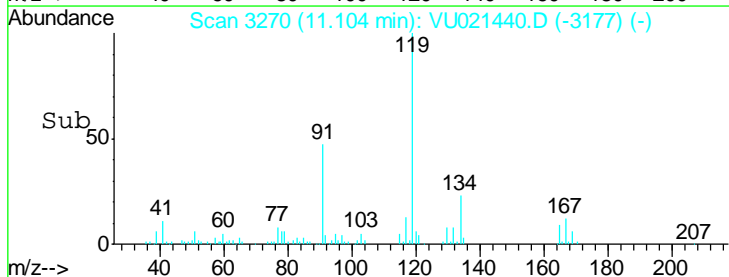
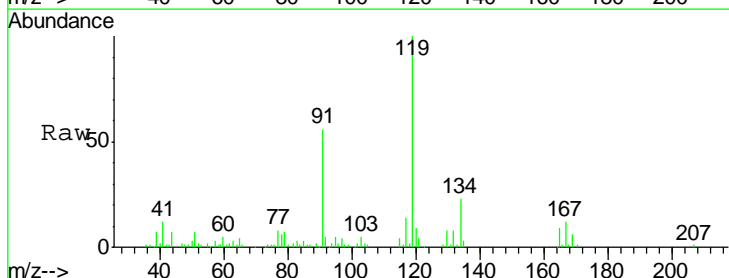
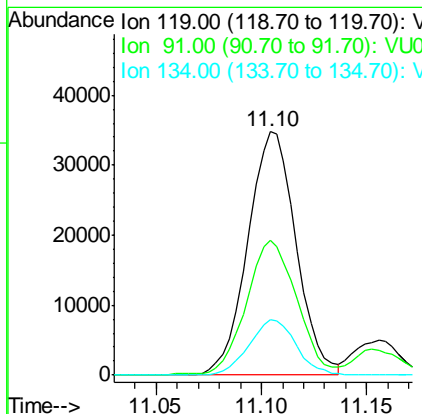
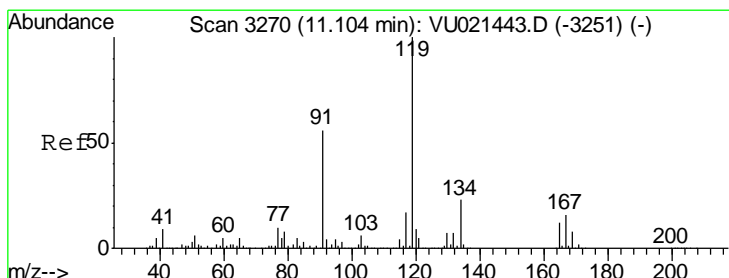
Manual Integrations
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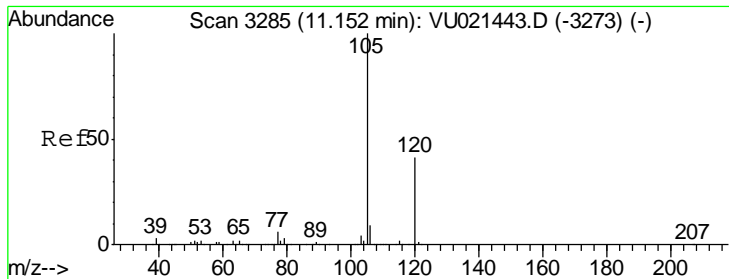
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#83
 tert-Butylbenzene
 Concen: 1.04 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
119	55245		
119	100		
91	57.7	28.7	86.3
134	22.3	11.8	35.3





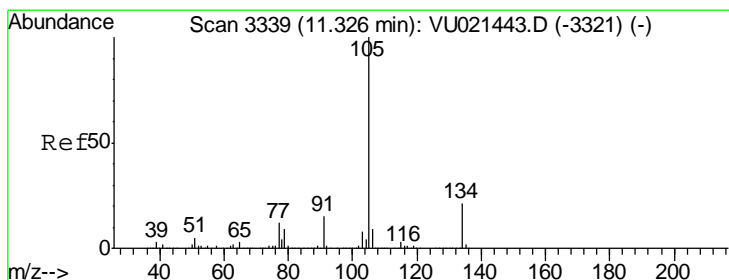
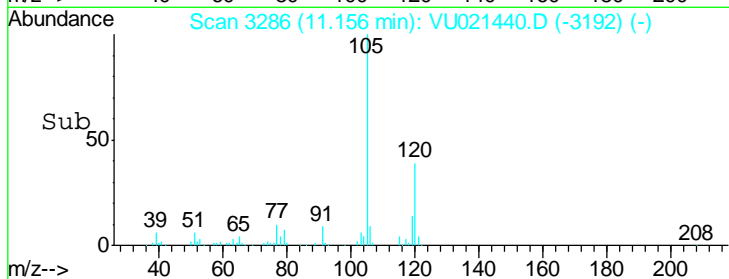
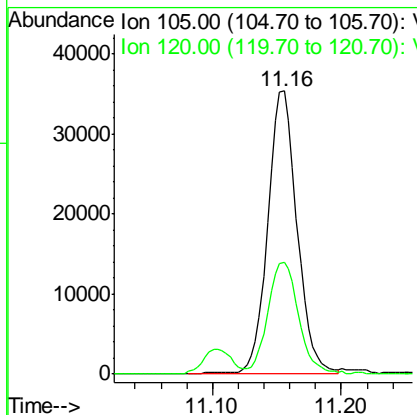
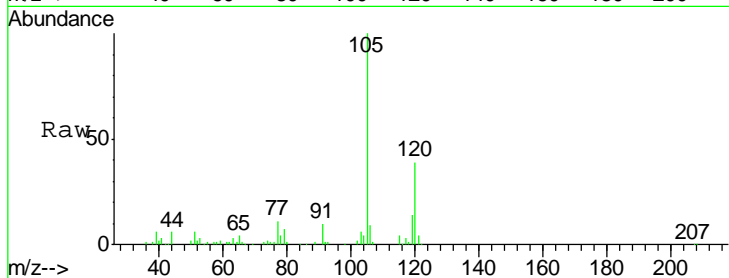
#84
 1,2,4-Trimethylbenzene
 Concen: 1.07 ug/l
 RT: 11.16 min Scan# 3286
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	100		
120	40.6	22.9	68.5

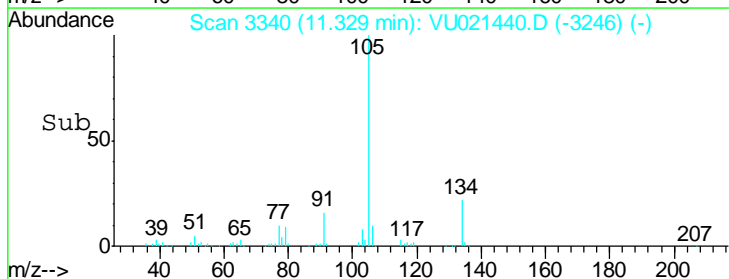
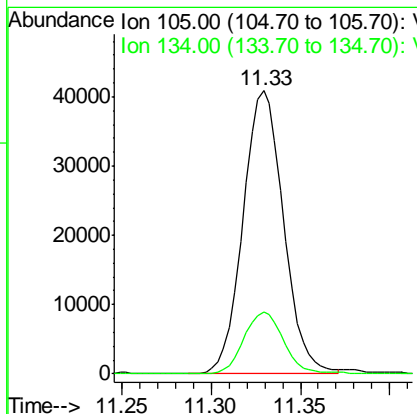
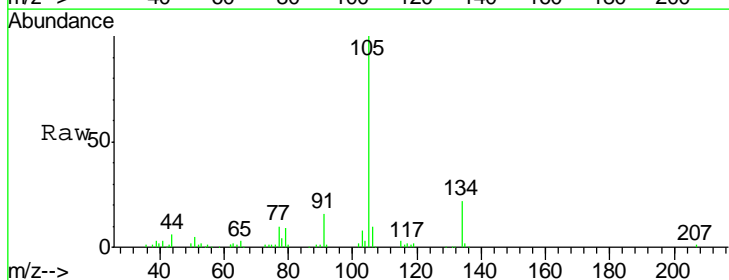
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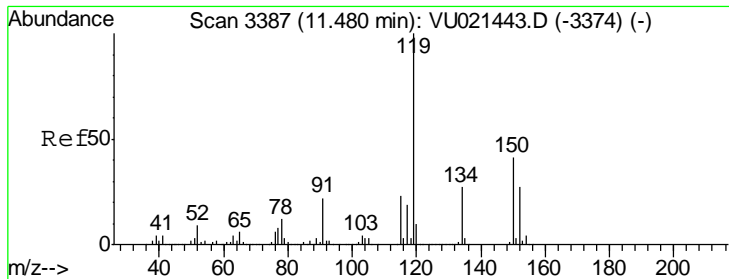
sam
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#85
 sec-Butylbenzene
 Concen: 1.03 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
105	100		
134	21.6	10.1	30.3





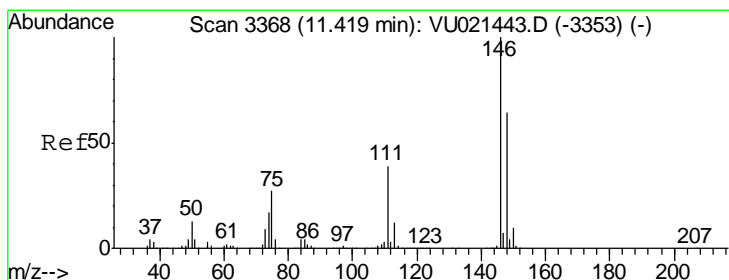
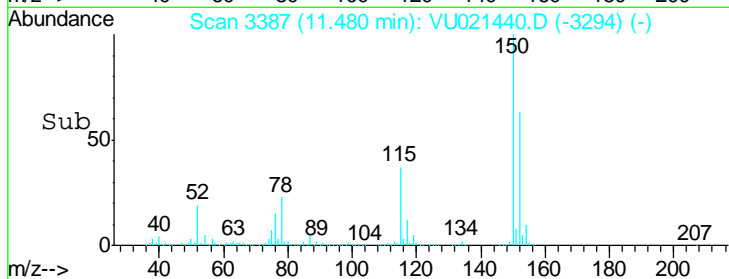
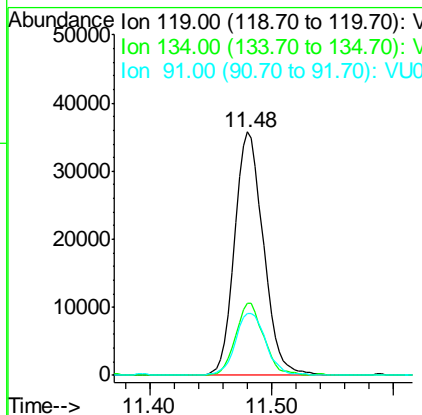
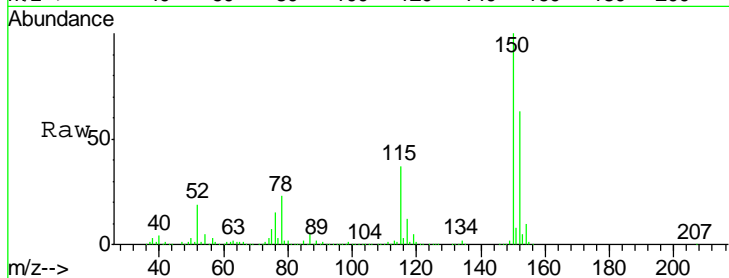
#86
 p-Isopropyltoluene
 Concen: 1.01 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
119	58756		
134	28.8	13.6	40.8
91	27.0	11.5	34.5

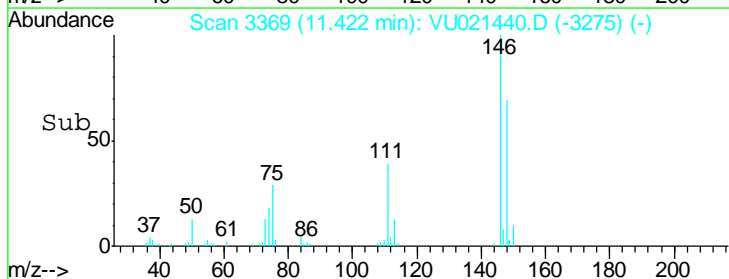
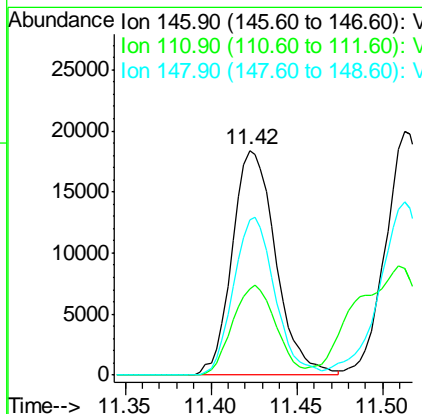
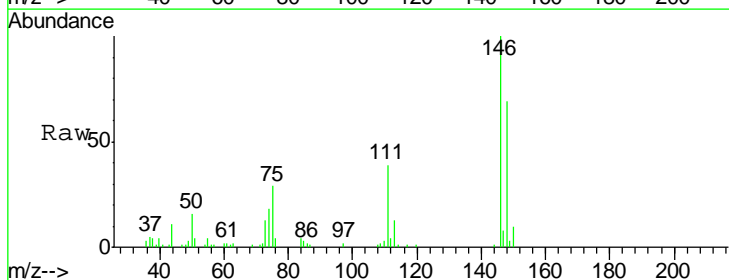
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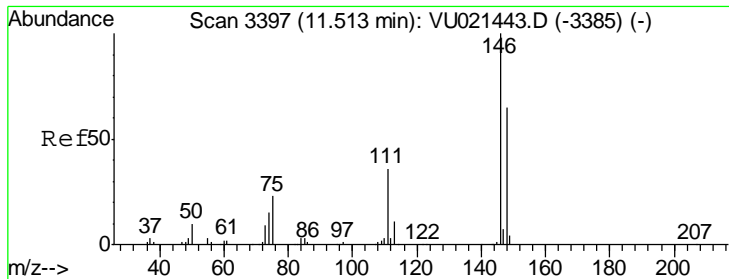
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#87
 1,3-Dichlorobenzene
 Concen: 1.00 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

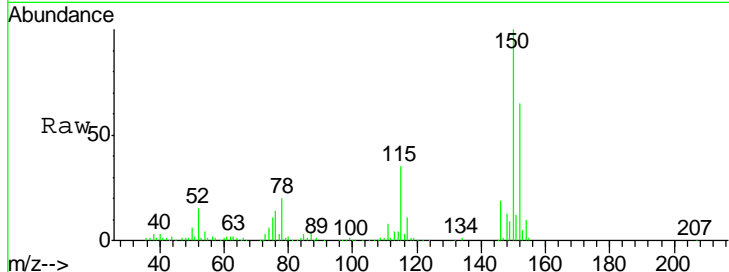
Tgt Ion	Resp	Lower	Upper
146	32471		
111	39.6	18.8	56.3
148	66.5	32.0	96.2





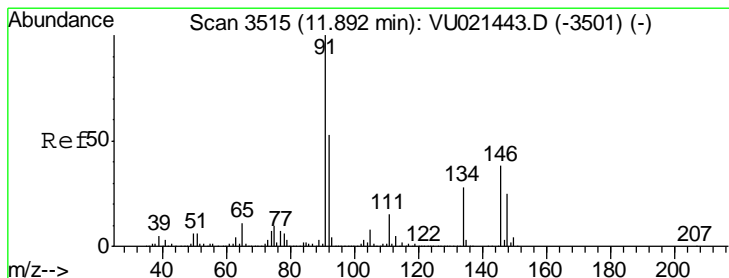
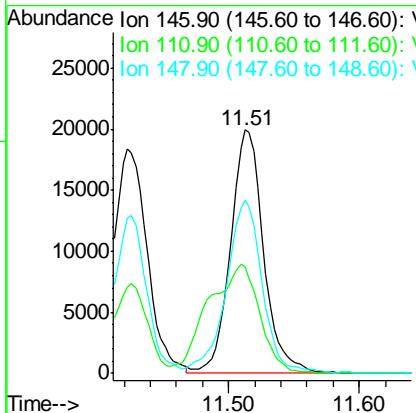
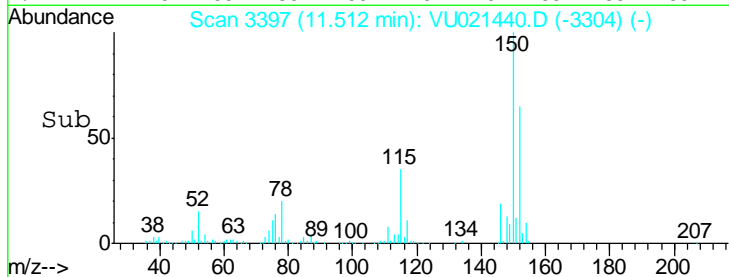
#88
 1,4-Dichlorobenzene
 Concen: 1.05 ug/l m
 RT: 11.51 min Scan# 3397
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

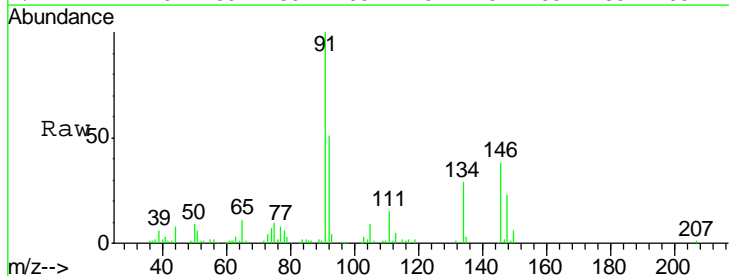


Tgt Ion	Resp	Lower	Upper
146	100		
111	36.7	18.4	55.2
148	61.6	31.9	95.9

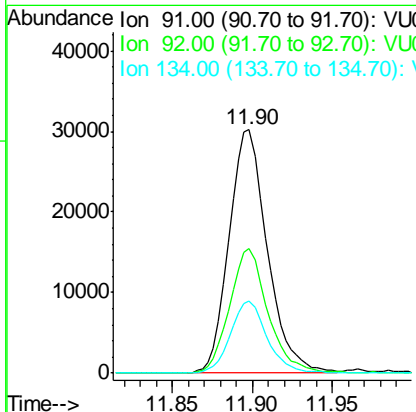
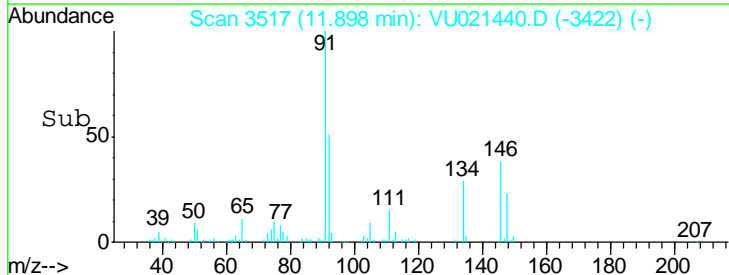
Manual Integrations APPROVED
 sam
 1/4/2018 11:18:32 AM

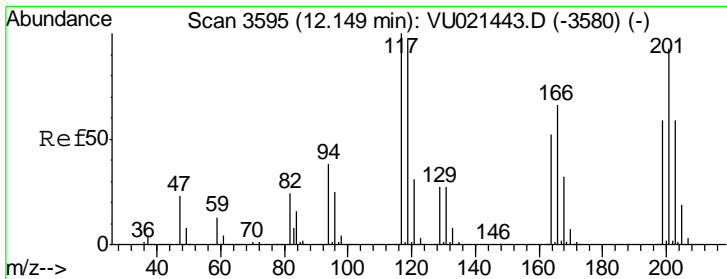


#89
 n-Butylbenzene
 Concen: 1.03 ug/l
 RT: 11.90 min Scan# 3517
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54



Tgt Ion	Resp	Lower	Upper
91	100		
92	51.3	26.2	78.5
134	28.2	13.0	38.9





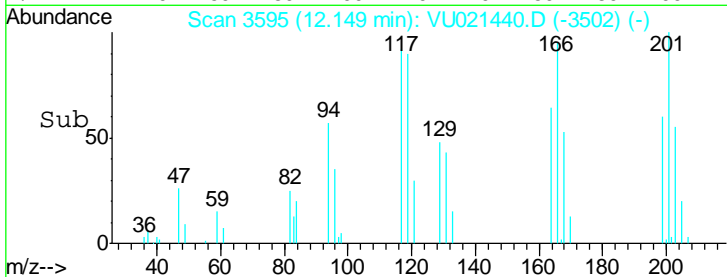
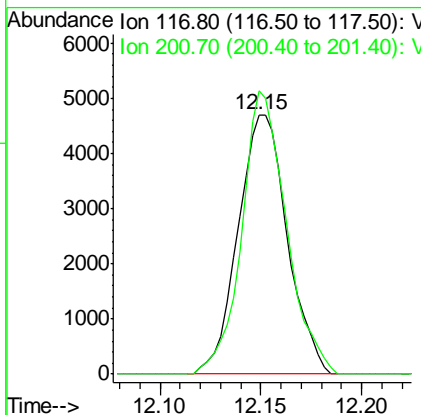
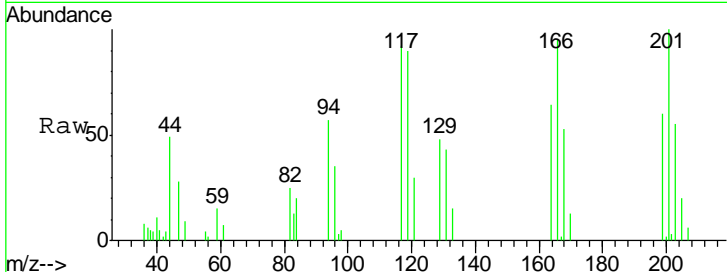
#90
 Hexachloroethane
 Concen: 0.78 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
117	100		
166	99.1	44.5	133.7
201			

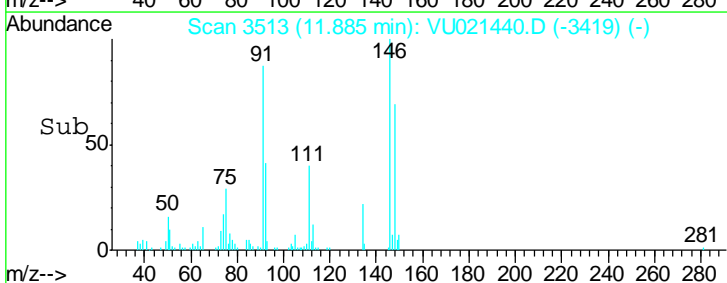
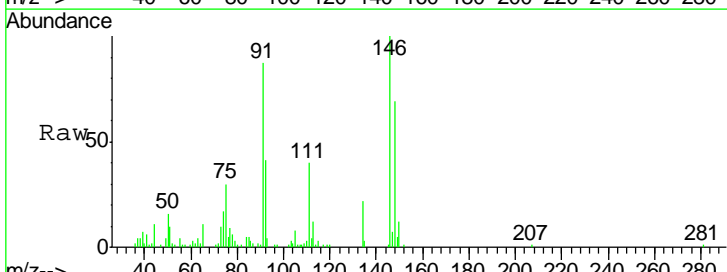
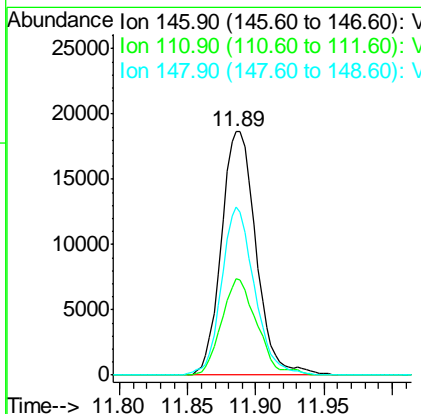
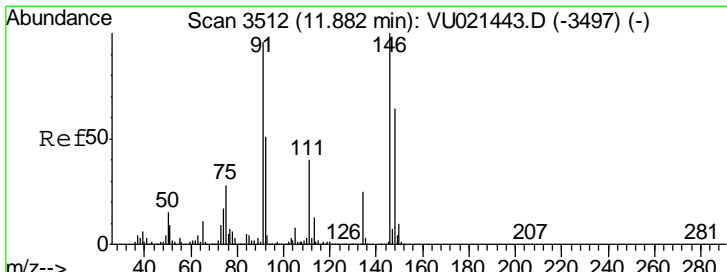
Manual Integrations
 APPROVED

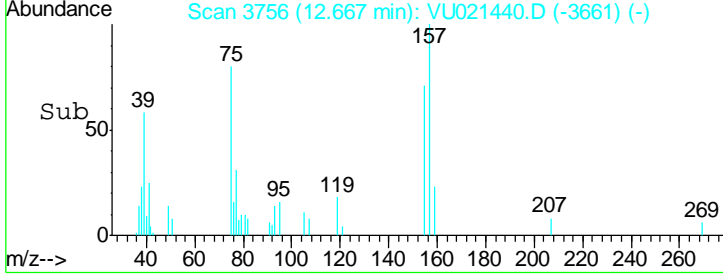
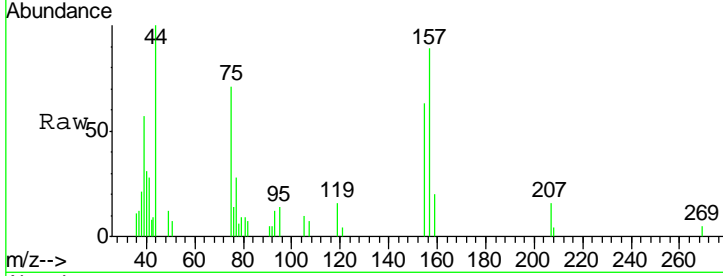
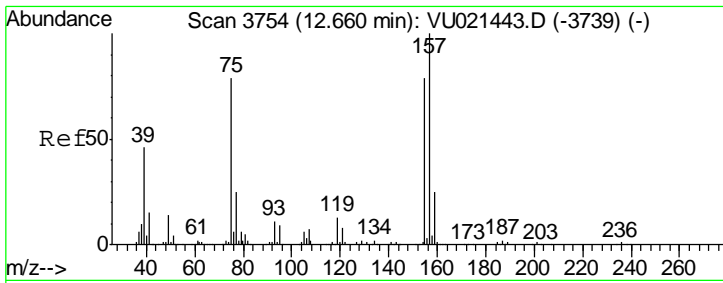
1/4/2018 11:18:32 AM



#91
 1,2-Dichlorobenzene
 Concen: 1.03 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
146	100		
111	40.4	19.4	58.1
148	65.6	32.0	96.2



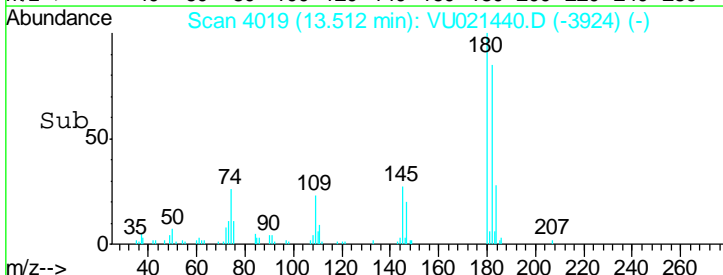
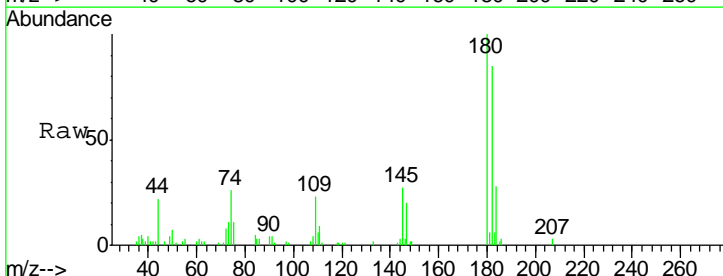
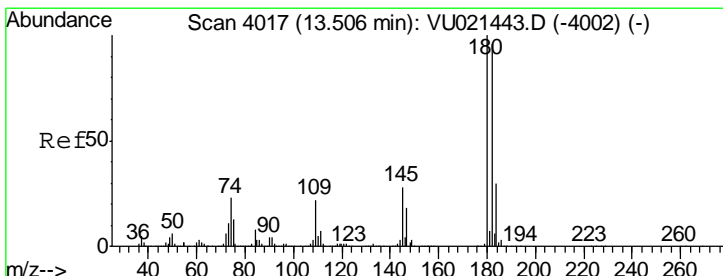
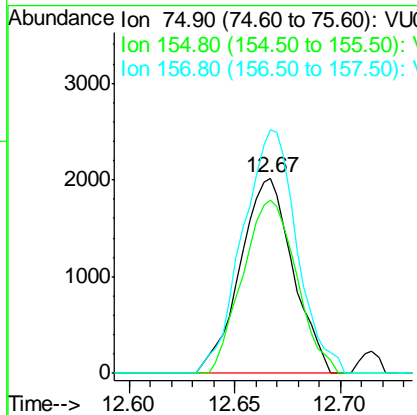


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.88 ug/l
 RT: 12.67 min Scan# 3756
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
75	3511		
75	100		
155	90.4	47.9	143.7
157	128.5	60.9	182.6

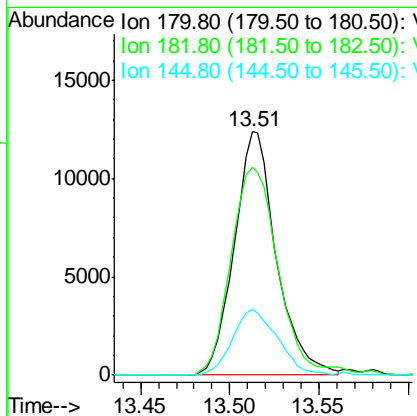
Instrument : MSVOA_U
 Client Sampled : VSTDIC001

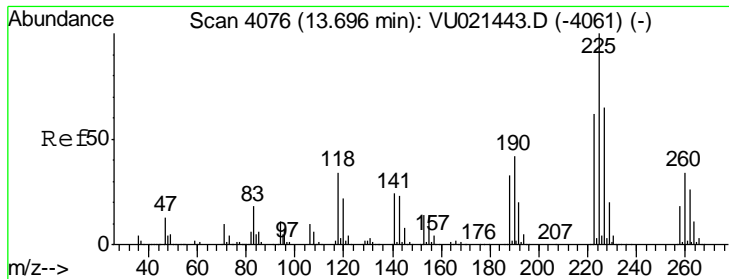
Manual Integrations APPROVED
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 1/4/2018 11:18:32 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 0.96 ug/l
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

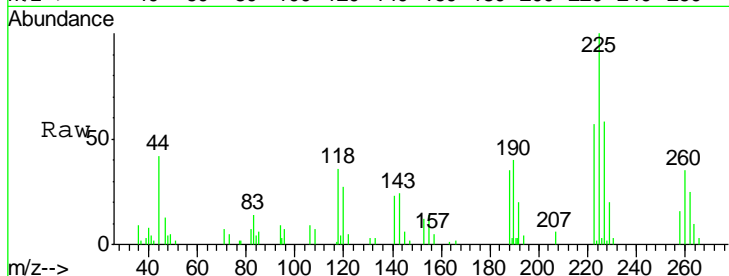
Tgt Ion	Resp	Lower	Upper
180	20360		
180	100		
182	95.8	48.3	144.8
145	28.8	14.2	42.6





#94
 Hexachlorobutadiene
 Concen: 0.94 ug/l
 RT: 13.70 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

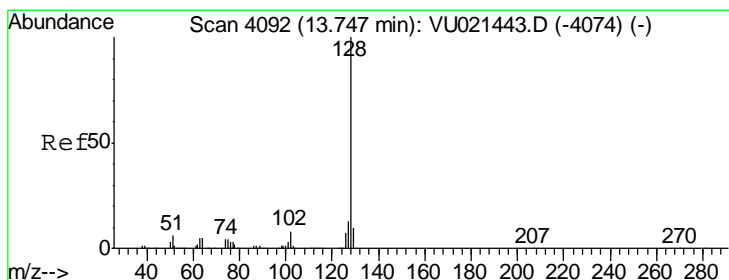
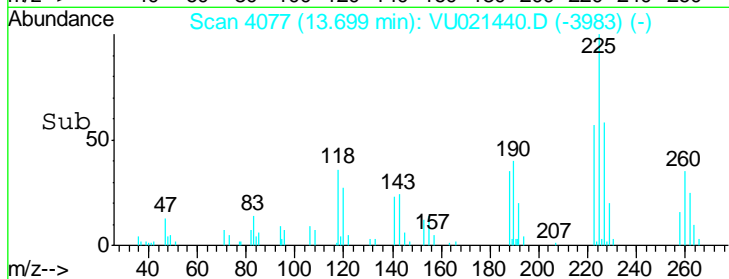
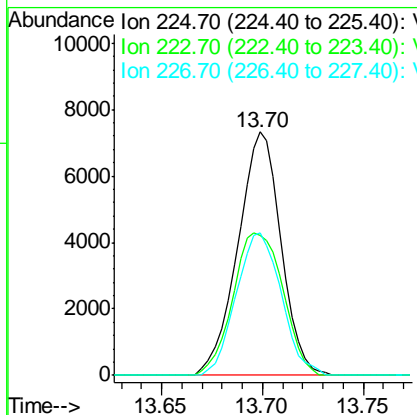
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



Tgt Ion	Resp	Lower	Upper
225	10982		
223	67.6	31.9	95.7
227	61.0	32.4	97.2

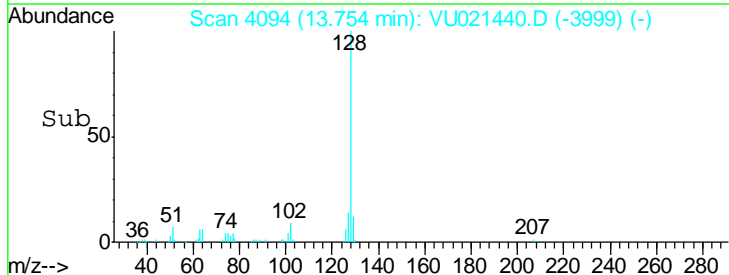
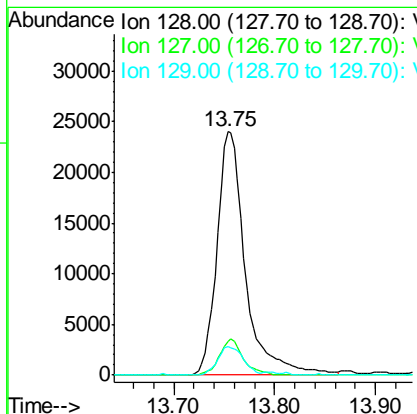
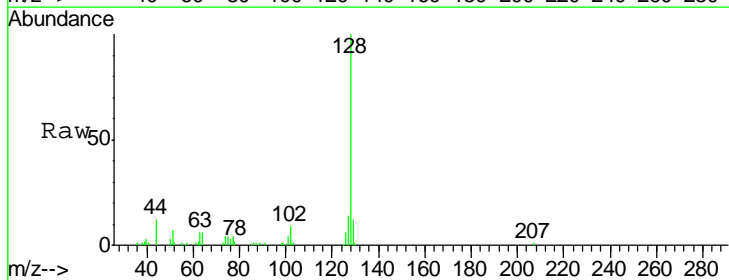
Manual Integrations APPROVED

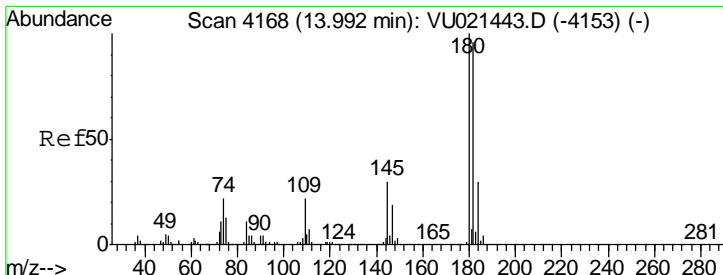
1/4/2018 11:18:32 AM



#95
 Naphthalene
 Concen: 0.94 ug/l
 RT: 13.75 min Scan# 4094
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Tgt Ion	Resp	Lower	Upper
128	47189		
127	12.3	10.5	15.7
129	10.6	8.9	13.3





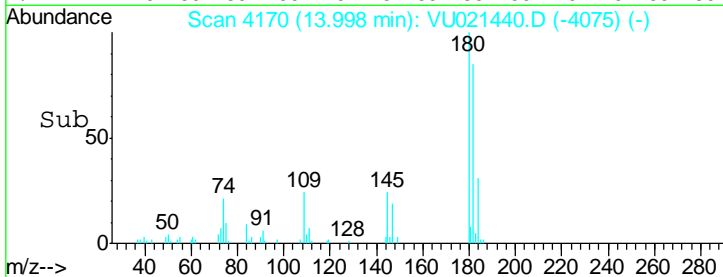
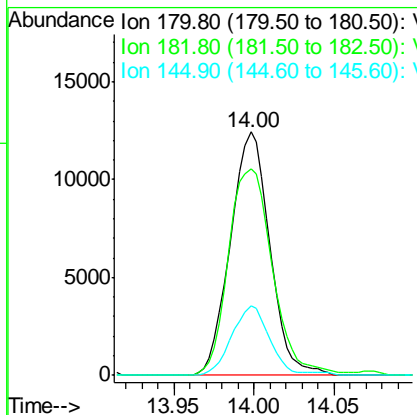
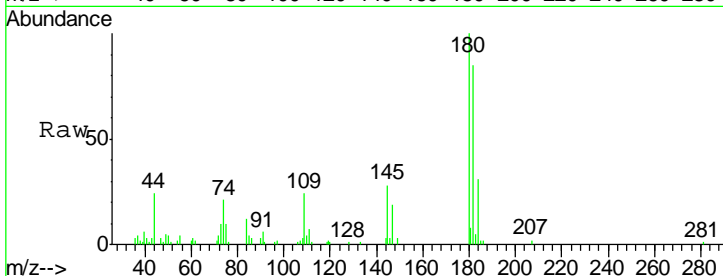
#96
 1,2,3-Trichlorobenzene
 Concen: 1.01 ug/l
 RT: 14.00 min Scan# 4170
 Delta R.T. 0.01 min
 Lab File: VU021440.D
 Acq: 03 Jan 2018 12:54

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
20865	180	100		
	182	95.2	47.8	143.4
	145	27.5	14.9	44.7

Manual Integrations
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1/4/2018 11:18:32 AM



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021441.D
 Acq On : 03 Jan 2018 13:21
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC005

Manual Integrations
 APPROVED

Sam
 1/4/2018 11:18:38 AM

Quant Time: Jan 03 15:21:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1452202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	2133557	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1922595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	1015764	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	51979	3.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.98%	
35) Dibromofluoromethane	4.89	113	53356	4.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.18%	
50) Toluene-d8	7.57	98	143909	3.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	6.58%	
62) 4-Bromofluorobenzene	10.31	95	78220	4.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	61956	5.14	ug/l	98
3) Chloromethane	1.33	50	72082	5.12	ug/l	96
4) Vinyl Chloride	1.40	62	74150	5.21	ug/l	96
5) Bromomethane	1.62	94	54586	4.16	ug/l	97
6) Chloroethane	1.69	64	43909	4.95	ug/l	98
7) Trichlorofluoromethane	1.88	101	104893	4.46	ug/l	98
8) Diethyl Ether	2.10	74	45504	5.20	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.29	101	64048	4.44	ug/l	94
10) Methyl Iodide	2.41	142	65811	4.15	ug/l	95
11) Tert butyl alcohol	2.83	59	83986	25.61	ug/l	99
12) 1,1-Dichloroethene	2.28	96	64185	4.60	ug/l	93
13) Acrolein	2.19	56	68061	27.45	ug/l	97
14) Allyl chloride	2.59	41	92016	5.06	ug/l	95
15) Acrylonitrile	2.94	53	181504	26.84	ug/l	98
16) Acetone	2.32	43	178389	23.90	ug/l	98
17) Carbon Disulfide	2.48	76	173827	4.34	ug/l	100
18) Methyl Acetate	2.62	43	80208	5.40	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	212327	4.80	ug/l	98
20) Methylene Chloride	2.70	84	69947	4.84	ug/l	91
21) trans-1,2-Dichloroethene	2.98	96	65853	4.54	ug/l	96
22) Diisopropyl ether	3.58	45	183935	5.52	ug/l	# 88
23) Vinyl Acetate	3.53	43	733089	27.12	ug/l	95
24) 1,1-Dichloroethane	3.45	63	114473	5.41	ug/l	98
25) 2-Butanone	4.27	43	233687	29.15	ug/l	96
26) 2,2-Dichloropropane	4.23	77	93794	4.69	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	76966	5.30	ug/l	97
28) Bromochloromethane	4.55	49	46712	5.06	ug/l	85
29) Tetrahydrofuran	4.65	42	137050	28.55	ug/l	91
30) Chloroform	4.68	83	117464	5.09	ug/l	96
31) Cyclohexane	4.99	56	120420	5.13	ug/l	# 71
32) 1,1,1-Trichloroethane	4.91	97	100766	4.73	ug/l	96
36) 1,1-Dichloropropene	5.14	75	89396	4.97	ug/l	97
37) Ethyl Acetate	4.39	43	80310	5.48	ug/l	96
38) Carbon Tetrachloride	5.13	117	86132	4.28	ug/l	95

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021441.D
 Acq On : 03 Jan 2018 13:21
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005

Manual Integrations
 APPROVED

Sam
 1/4/2018 11:18:38 AM

Quant Time: Jan 03 15:21:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	115481	4.85	ug/l	95
40) Benzene	5.39	78	268435	5.01	ug/l	99
41) Methacrylonitrile	4.55	41	43002	5.13	ug/l	88
42) 1,2-Dichloroethane	5.41	62	92604	5.10	ug/l	99
43) Isopropyl Acetate	5.56	43	129359	4.92	ug/l	95
44) Trichloroethene	6.19	130	81211	4.79	ug/l	94
45) 1,2-Dichloropropane	6.44	63	66702	5.00	ug/l	99
46) Dibromomethane	6.56	93	47724	4.80	ug/l	97
47) Bromodichloromethane	6.76	83	82233	4.40	ug/l	98
48) Methyl methacrylate	6.63	41	64602	5.12	ug/l	93
49) 1,4-Dioxane	6.63	88	34371	107.90	ug/l	91
51) 4-Methyl-2-Pentanone	7.47	43	408069	25.83	ug/l	96
52) Toluene	7.64	92	173915	4.91	ug/l	97
53) t-1,3-Dichloropropene	7.89	75	87017	4.17	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	98507	4.43	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	67523	4.74	ug/l	96
56) Ethyl methacrylate	8.02	69	96462	4.88	ug/l	94
57) 1,3-Dichloropropane	8.25	76	110541	4.96	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	178850	27.32	ug/l	94
59) 2-Hexanone	8.37	43	309148	24.90	ug/l	96
60) Dibromochloromethane	8.48	129	64408	3.87	ug/l	99
61) 1,2-Dibromoethane	8.59	107	70351	4.52	ug/l	98
64) Tetrachloroethene	8.23	164	80927	4.95	ug/l	96
65) Chlorobenzene	9.12	112	199077	5.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	65257	4.40	ug/l	98
67) Ethyl Benzene	9.26	91	328091	4.92	ug/l	99
68) m/p-Xylenes	9.38	106	249570	9.49	ug/l	99
69) o-Xylene	9.78	106	121424	4.70	ug/l	98
70) Styrene	9.80	104	194504	4.61	ug/l	98
71) Bromoform	9.96	173	50169	3.67	ug/l #	100
73) Isopropylbenzene	10.17	105	334305	5.14	ug/l	98
74) N-amyl acetate	10.02	43	102445	5.22	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	100424	5.18	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	83414m	5.29	ug/l	
77) Bromobenzene	10.46	156	89303	4.90	ug/l	97
78) n-propylbenzene	10.59	91	374992	5.26	ug/l	100
79) 2-Chlorotoluene	10.66	91	226842	5.31	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	276296	5.08	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.52	75	18975m	3.36	ug/l	
82) 4-Chlorotoluene	10.78	91	261221	5.27	ug/l	98
83) tert-Butylbenzene	11.10	119	266288	4.86	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	275022	5.05	ug/l	99
85) sec-Butylbenzene	11.33	105	332650	5.08	ug/l	100
86) p-Isopropyltoluene	11.48	119	296443	4.95	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	161905	4.84	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	167276	4.88	ug/l	94
89) n-Butylbenzene	11.90	91	254577	5.17	ug/l	98
90) Hexachloroethane	12.15	117	41363	3.91	ug/l	89
91) 1,2-Dichlorobenzene	11.89	146	161370	4.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20376	4.97	ug/l	99

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021441.D
 Acq On : 03 Jan 2018 13:21
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
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sam
 1/4/2018 11:18:38 AM

Quant Time: Jan 03 15:21:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	107590	4.91	ug/l	100
94) Hexachlorobutadiene	13.70	225	53528	4.42	ug/l	96
95) Naphthalene	13.75	128	268813	5.19	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	105972	4.98	ug/l	99

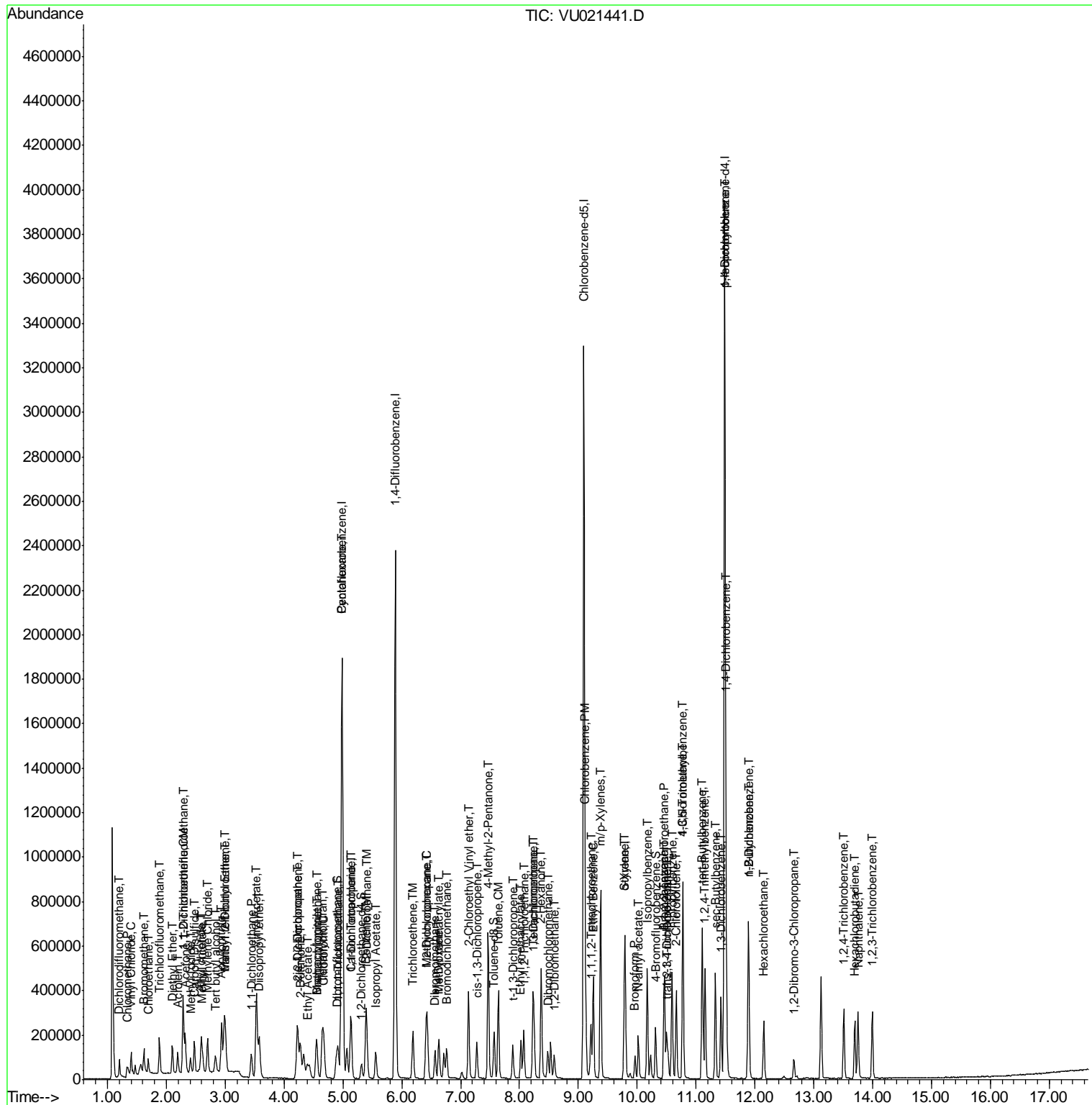
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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021441.D
 Acq On : 03 Jan 2018 13:21
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

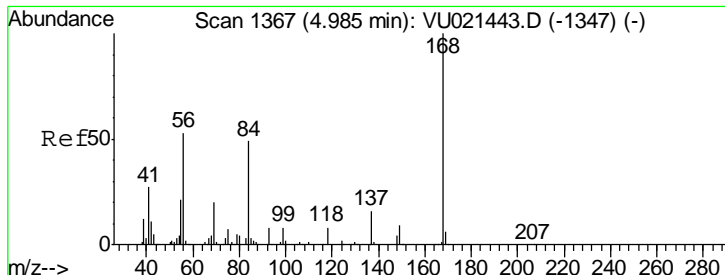
Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC005

Quant Time: Jan 03 15:21:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Manual Integrations
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 sam
 1/4/2018 11:18:38 AM



- 1
- 2
- 3
- 4
- 5
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- 7
- 8
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- 11
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- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

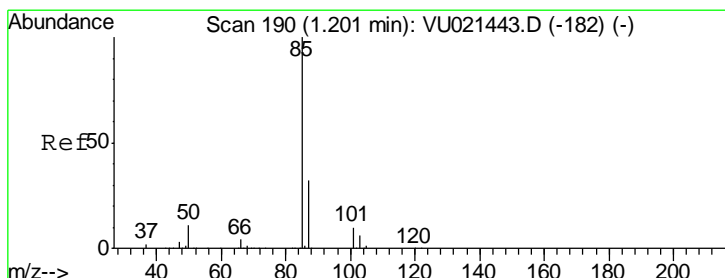
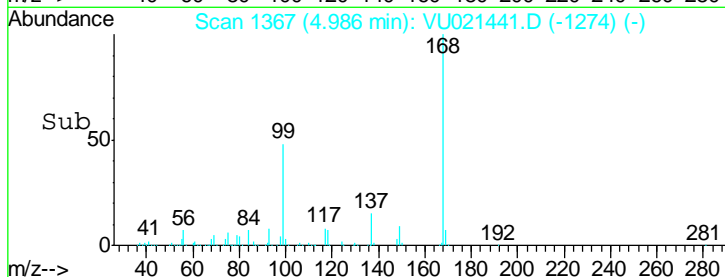
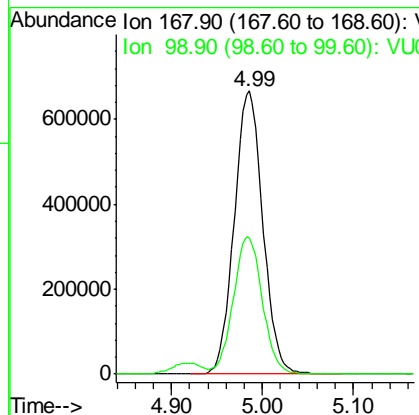
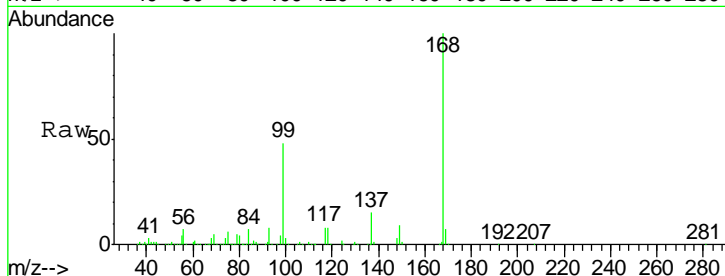
Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion: 168 Resp: 1452202

Ion	Ratio	Lower	Upper
168	100		
99	48.1	40.2	60.2

Manual Integrations
 APPROVED

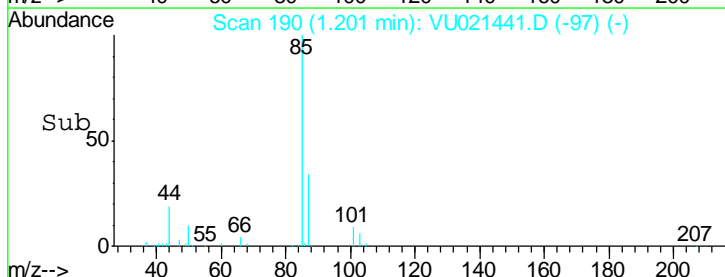
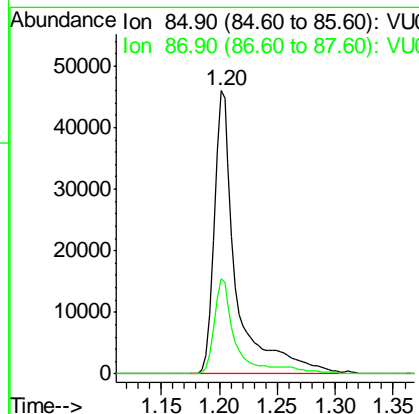
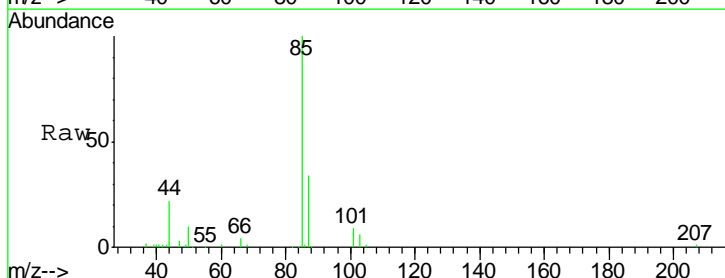
1/4/2018 11:18:38 AM

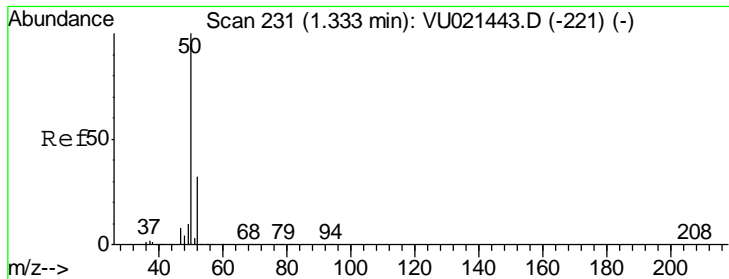


#2
 Dichlorodifluoromethane
 Concen: 5.14 ug/l
 RT: 1.20 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion: 85 Resp: 61956

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.3	48.8



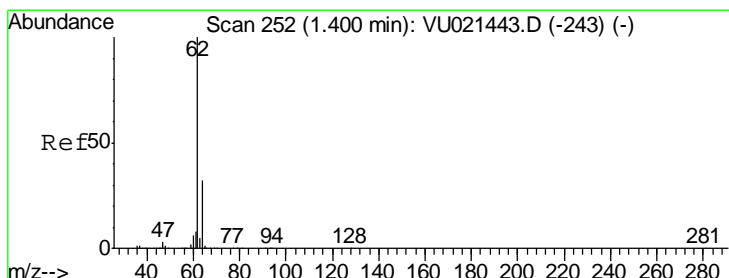
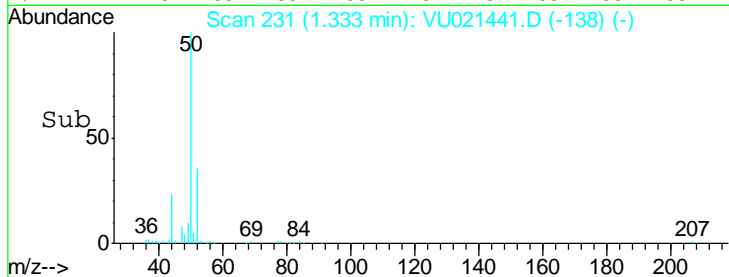
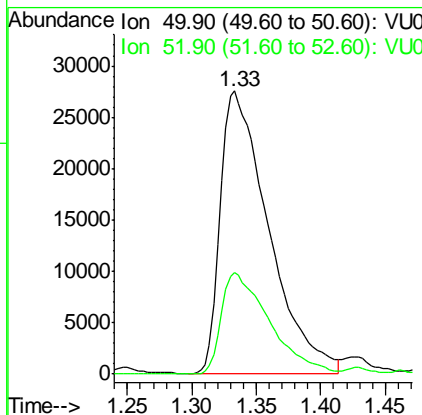
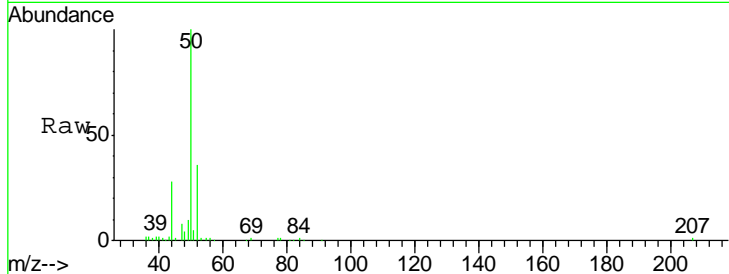


#3
 Chloromethane
 Concen: 5.12 ug/l
 RT: 1.33 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
50	72082		
52	36.1	27.1	40.7

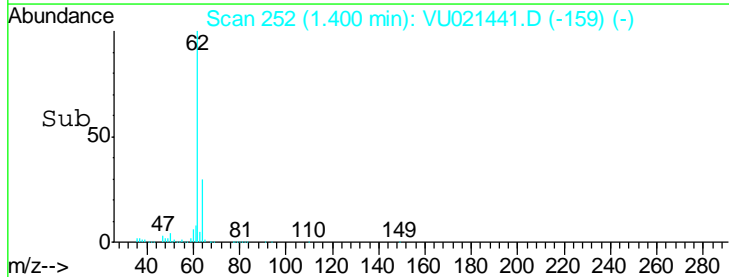
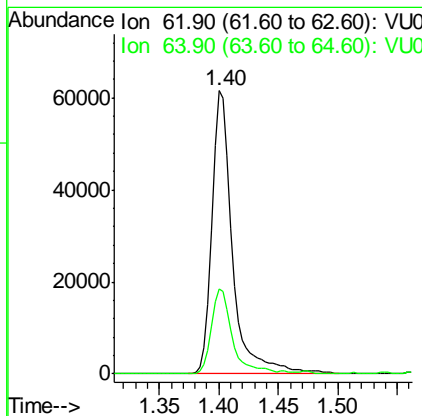
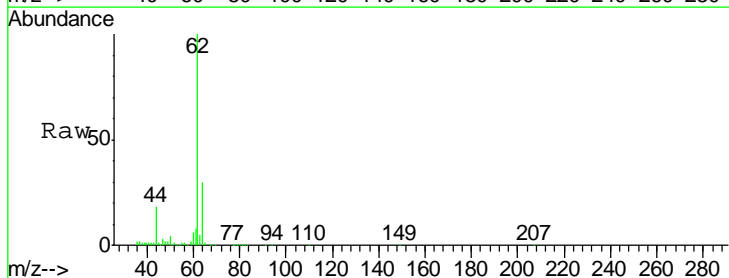
Instrument : MSVOA_U
 Client Sampled : VSTDIC005

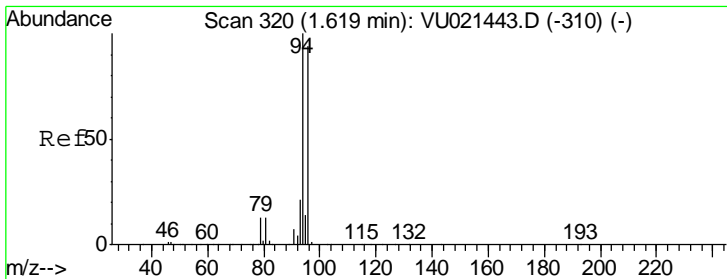
Manual Integrations APPROVED
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#4
 Vinyl Chloride
 Concen: 5.21 ug/l
 RT: 1.40 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
62	74150		
64	29.9	25.9	38.9





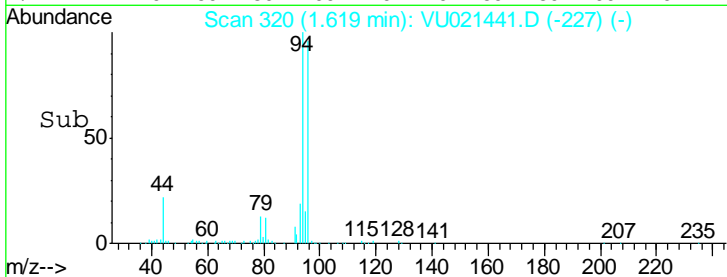
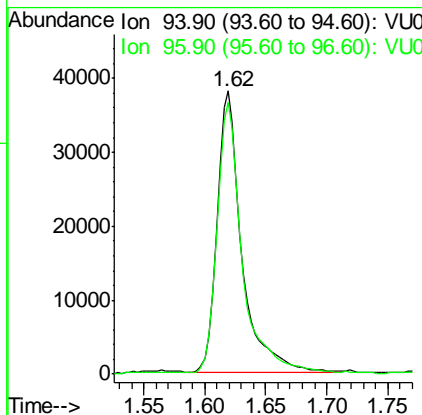
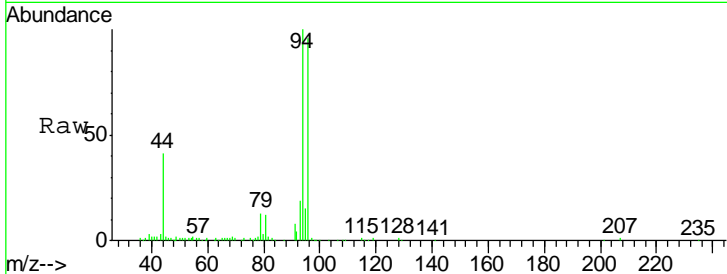
#5
 Bromomethane
 Concen: 4.16 ug/l
 RT: 1.62 min Scan# 320
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
94	100		
96	95.8	74.4	111.6

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

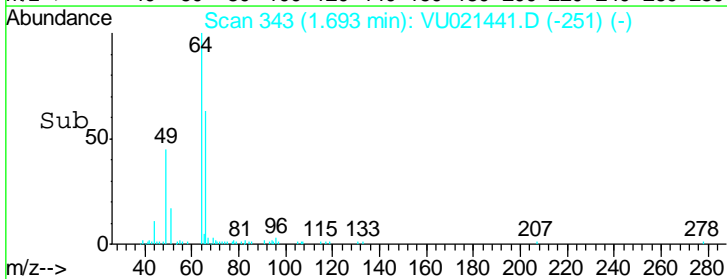
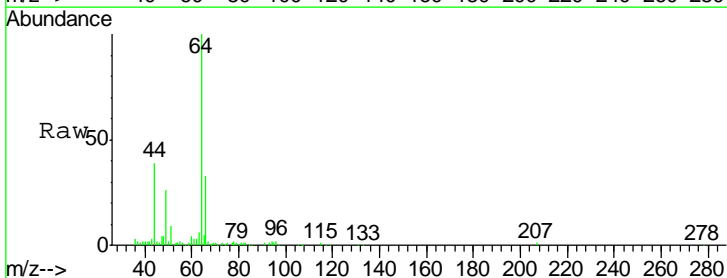
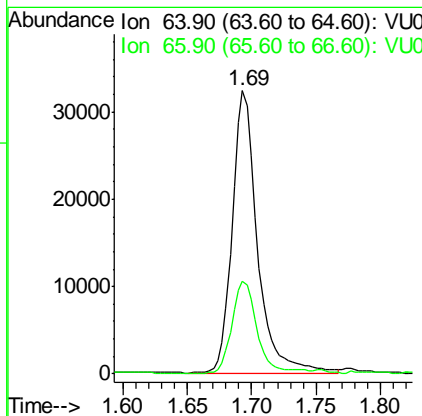
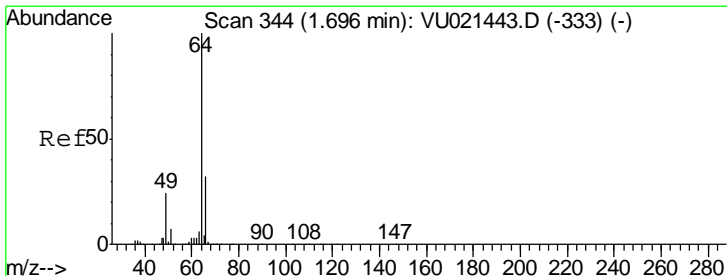
Manual Integrations
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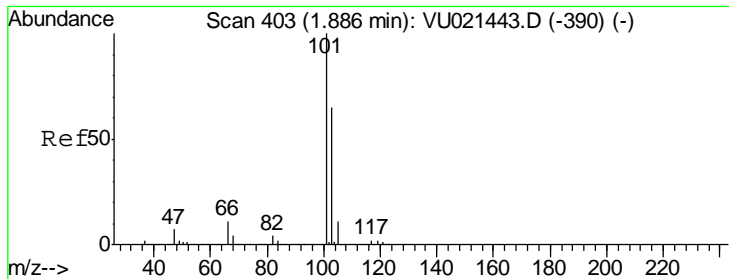
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#6
 Chloroethane
 Concen: 4.95 ug/l
 RT: 1.69 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.9	25.6	38.4





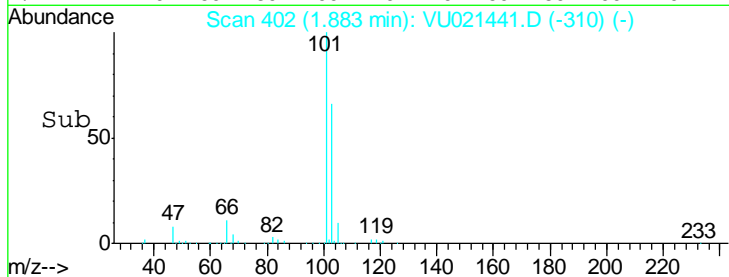
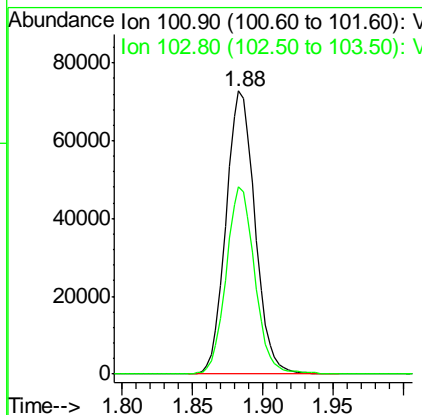
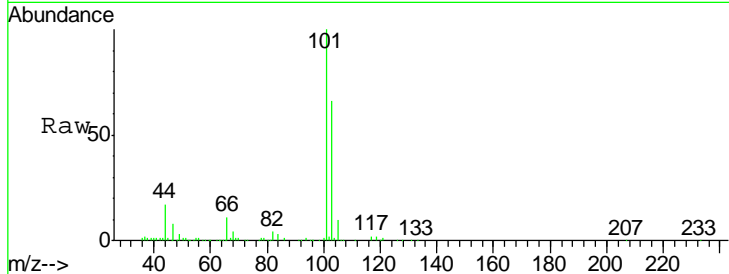
#7
 Trichlorofluoromethane
 Concen: 4.46 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
101	104893		
103	66.1	51.8	77.8

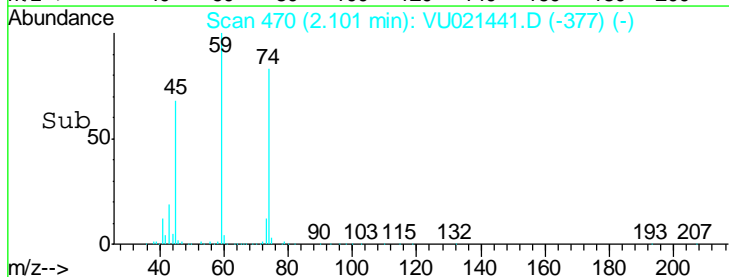
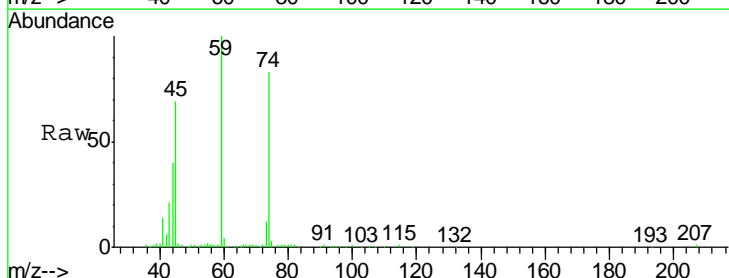
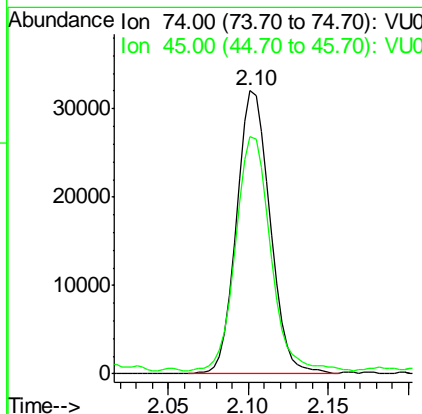
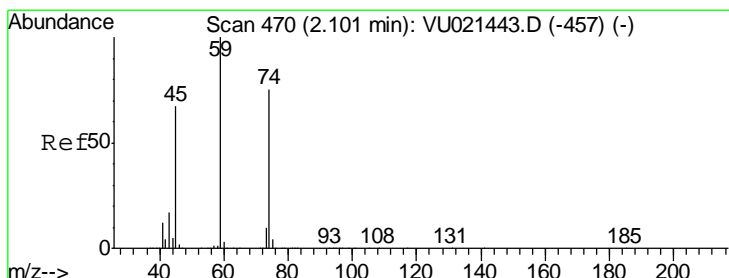
Manual Integrations
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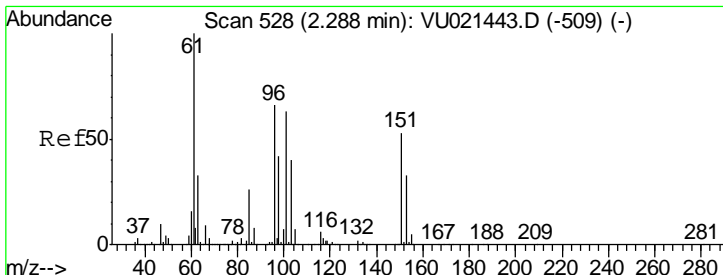
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#8
 Diethyl Ether
 Concen: 5.20 ug/l
 RT: 2.10 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

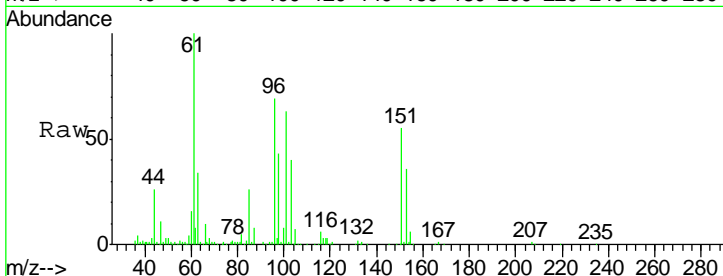
Tgt Ion	Resp	Lower	Upper
74	45504		
45	86.3	50.5	151.6





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.44 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

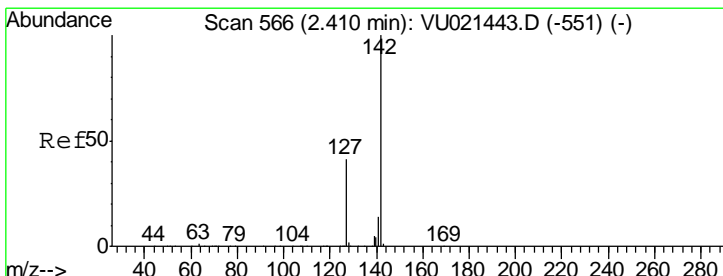
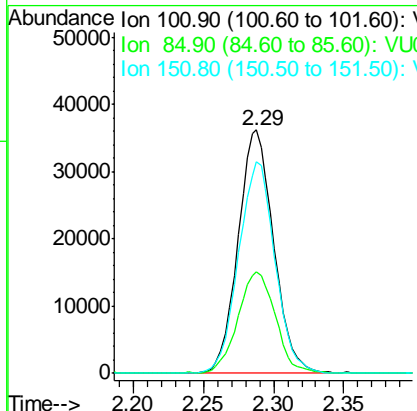
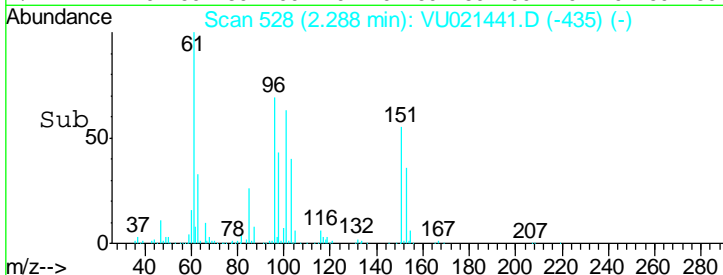
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



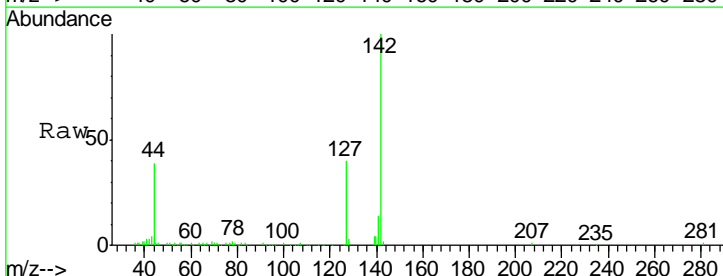
Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.1	34.8	52.2
151	88.9	64.8	97.2

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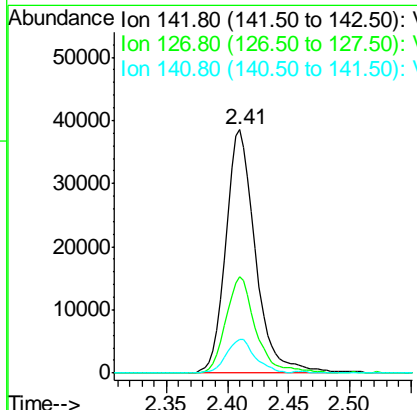
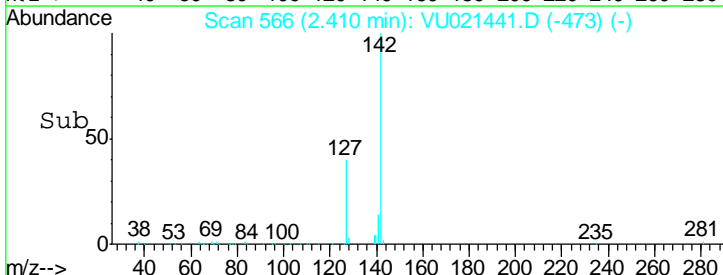
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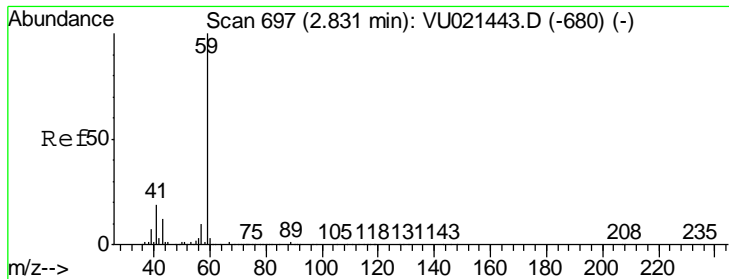


#10
 Methyl Iodide
 Concen: 4.15 ug/l
 RT: 2.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21



Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.0	34.9	52.3
141	13.7	11.4	17.0





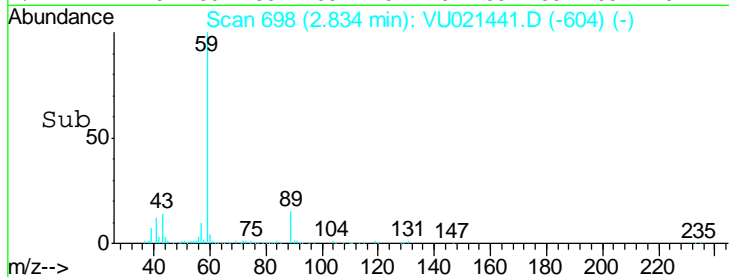
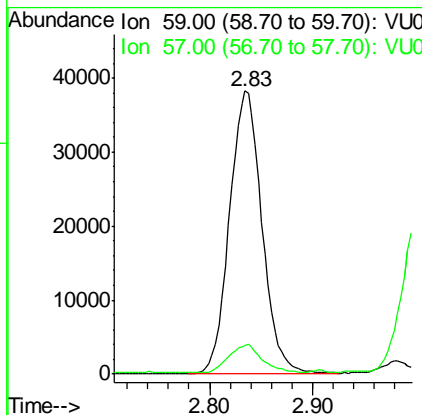
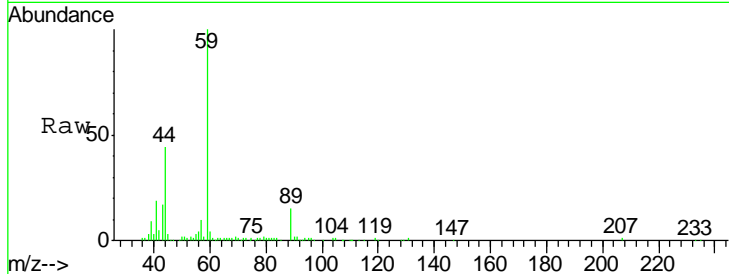
#11
 Tert butyl alcohol
 Concen: 25.61 ug/l
 RT: 2.83 min Scan# 698
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.0	8.2	12.4

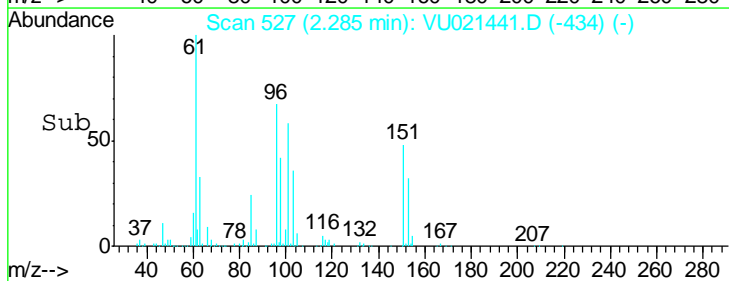
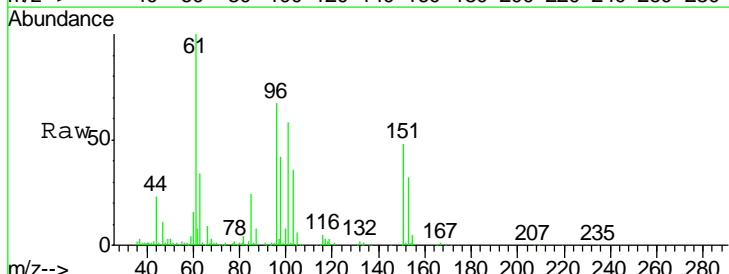
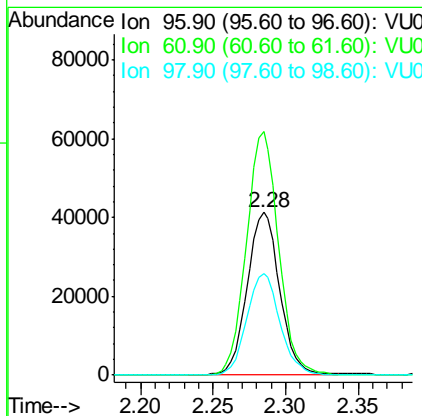
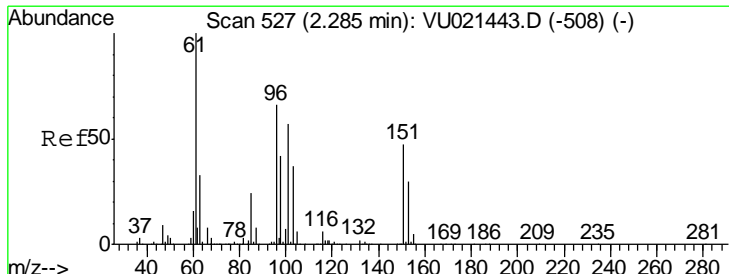
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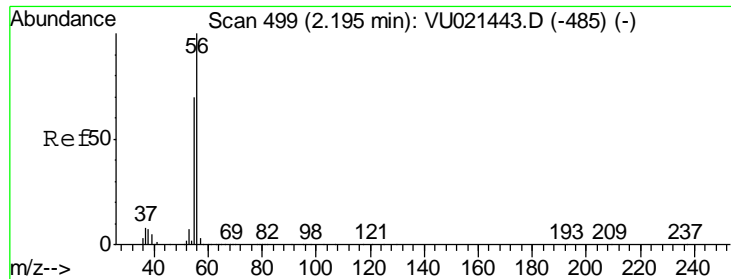
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#12
 1,1-Dichloroethene
 Concen: 4.60 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
96	100		
61	149.7	129.1	193.7
98	62.9	51.2	76.8





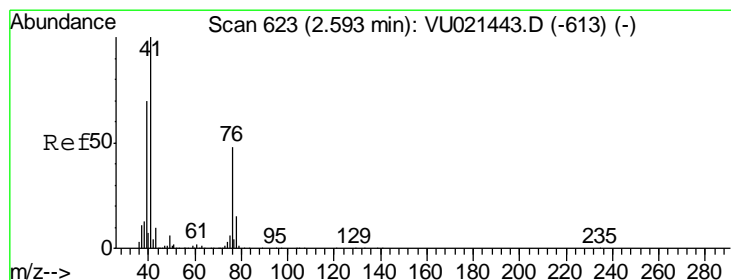
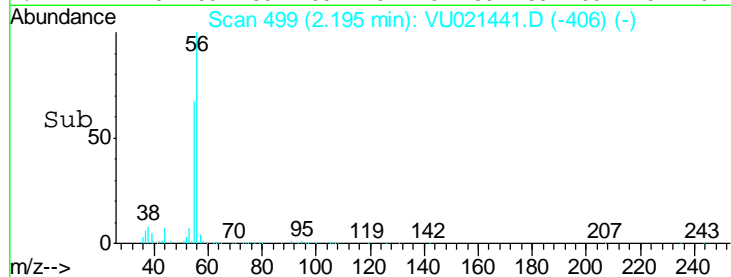
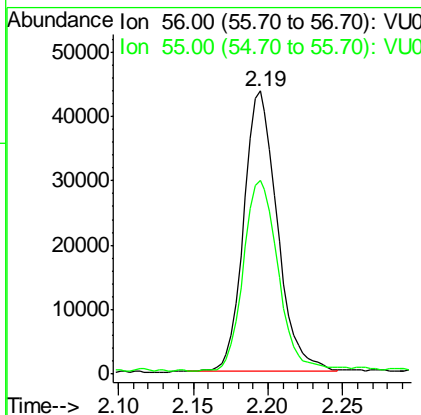
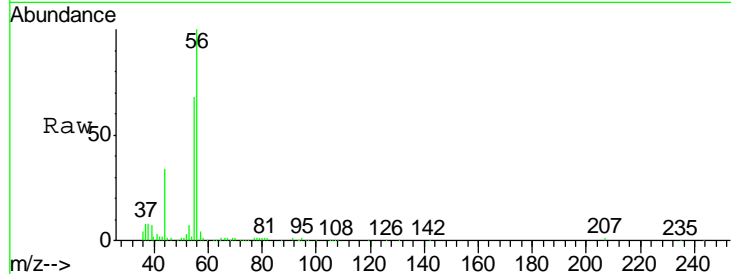
#13
 Acrolein
 Concen: 27.45 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	68061		
55	69.6	58.0	87.0

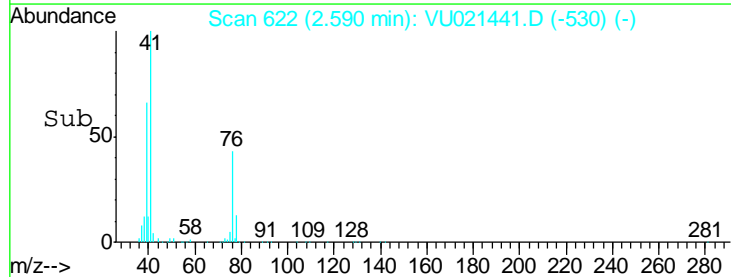
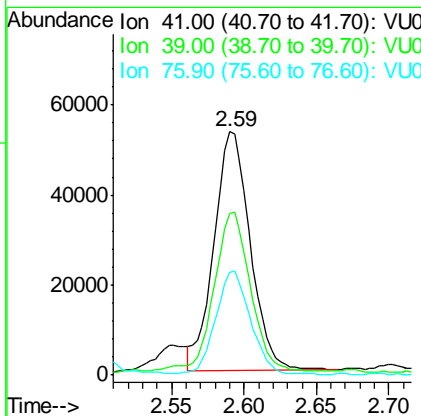
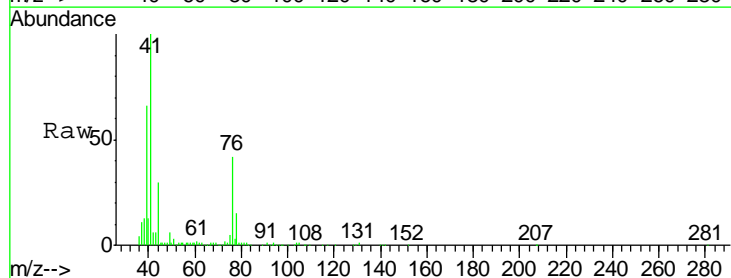
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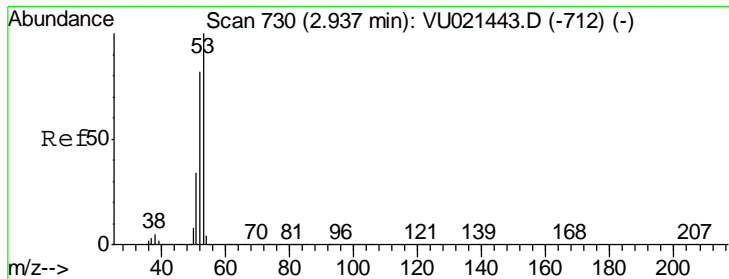
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#14
 Allyl chloride
 Concen: 5.06 ug/l
 RT: 2.59 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
41	92016		
39	65.9	54.2	81.4
76	41.9	29.1	43.7





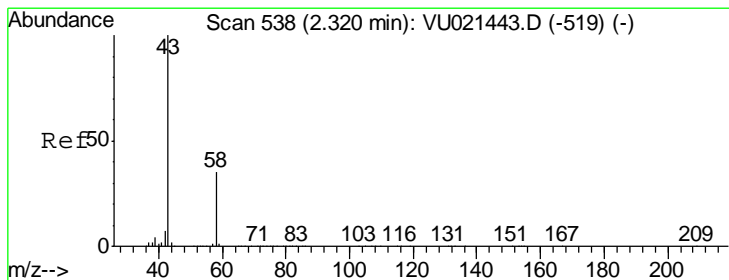
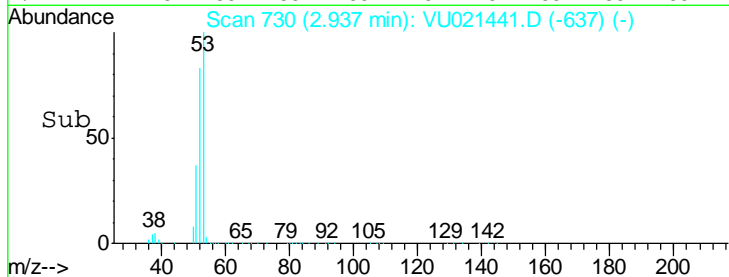
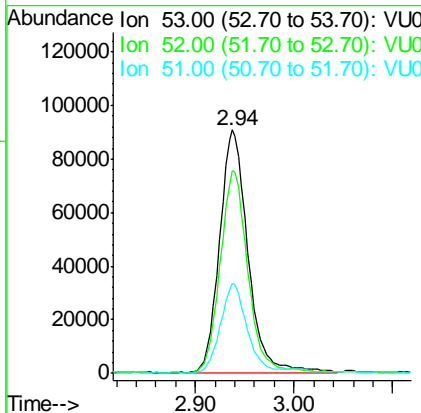
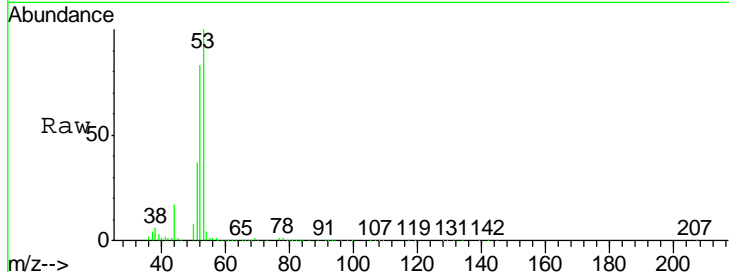
#15
 Acrylonitrile
 Concen: 26.84 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
53	181504		
52	80.7	66.8	100.2
51	34.6	27.3	40.9

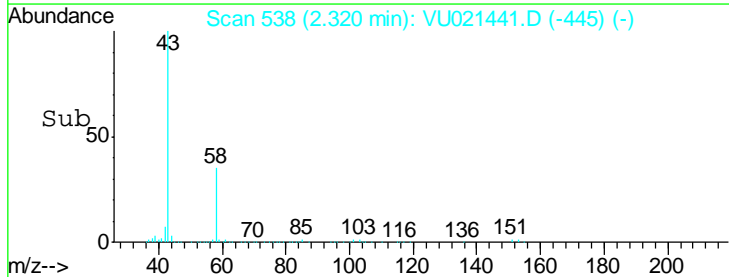
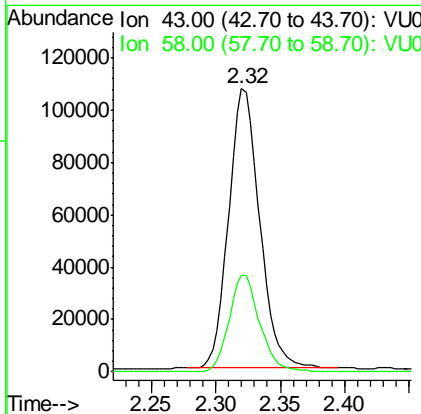
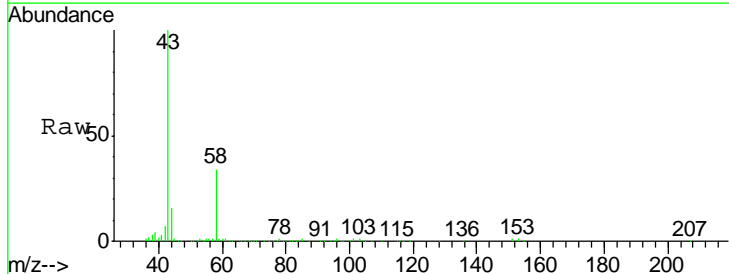
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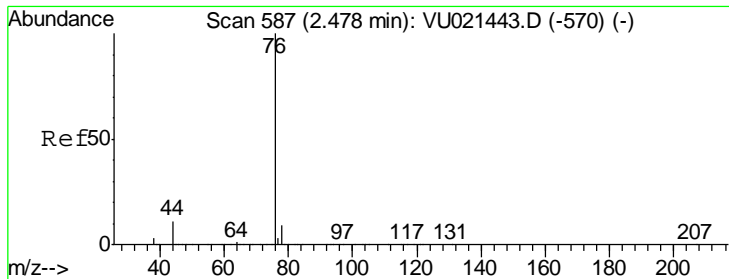
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#16
 Acetone
 Concen: 23.90 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
43	178389		
58	34.6	26.7	40.1





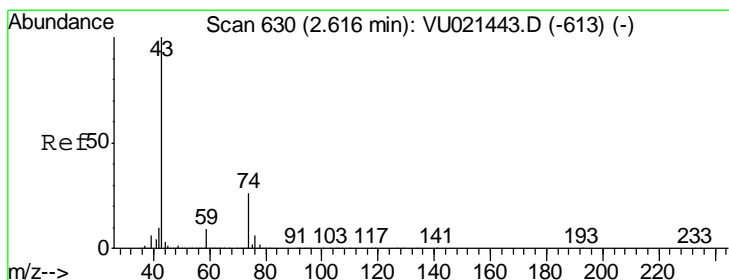
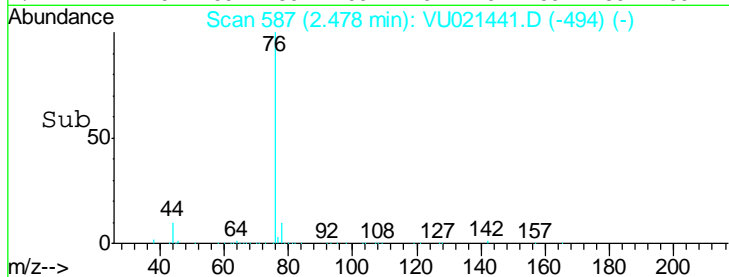
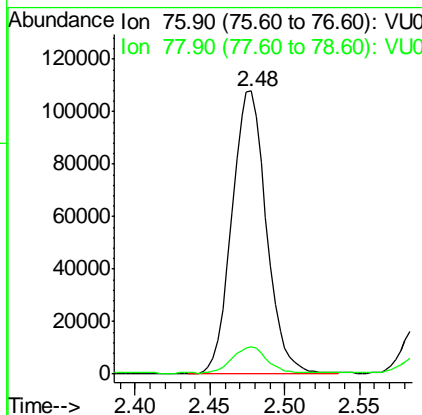
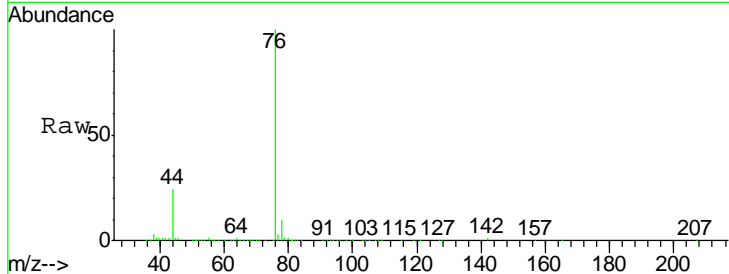
#17
 Carbon Disulfide
 Concen: 4.34 ug/l
 RT: 2.48 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
76	173827		
76	100		
78	9.2	7.4	11.0

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

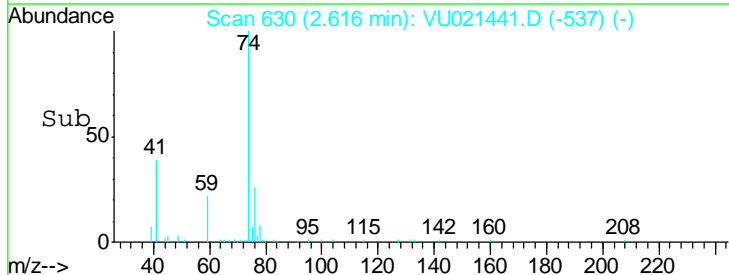
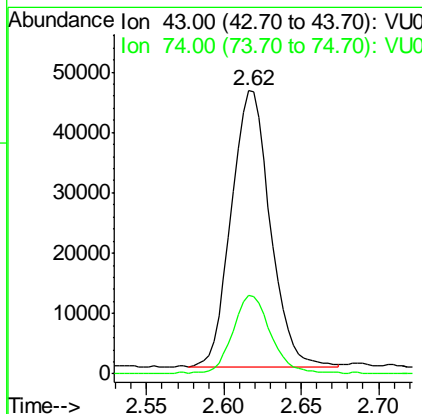
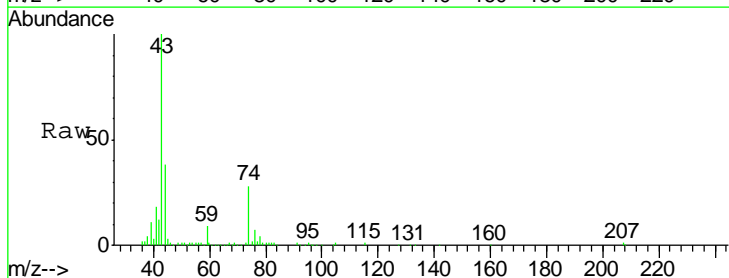
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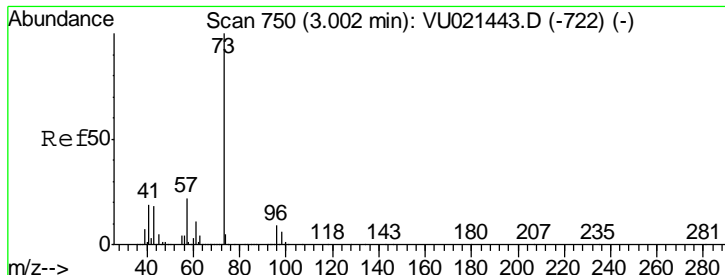
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#18
 Methyl Acetate
 Concen: 5.40 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
43	80208		
43	100		
74	26.5	18.6	27.8





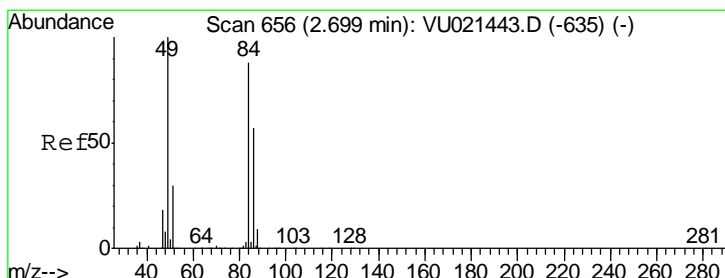
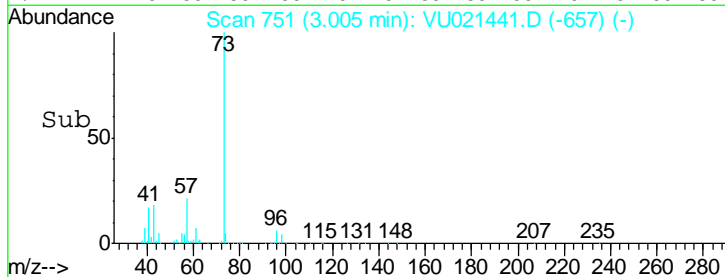
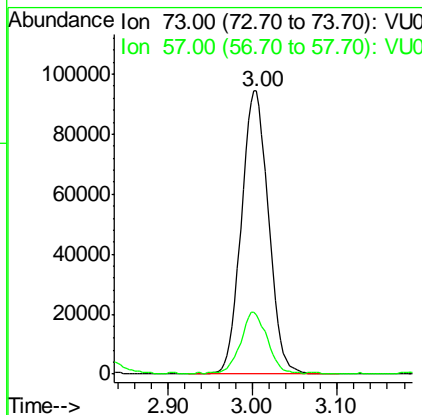
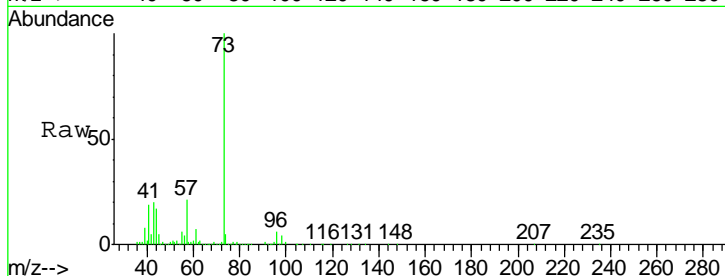
#19
Methyl tert-butyl Ether
Concen: 4.80 ug/l
RT: 3.00 min Scan# 751
Delta R.T. 0.00 min
Lab File: VU021441.D
Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
73	100		
57	20.9	17.6	26.4

Instrument : MSVOA_U
Client Sampled : VSTDIC005

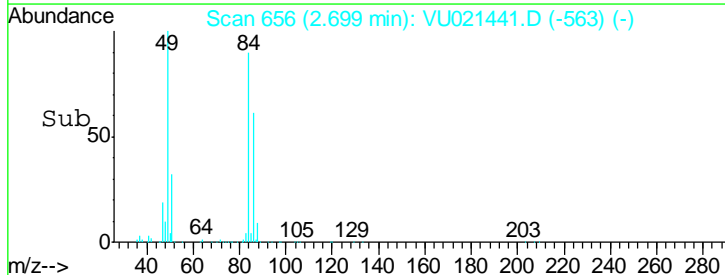
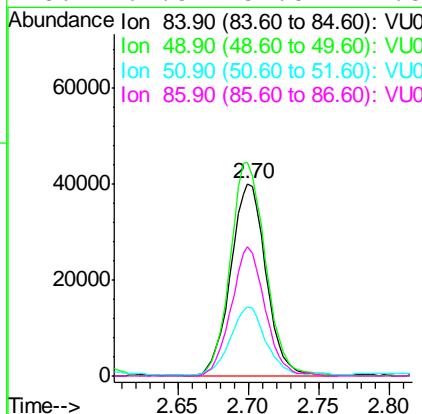
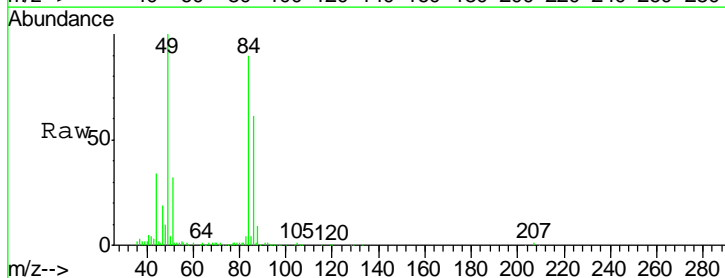
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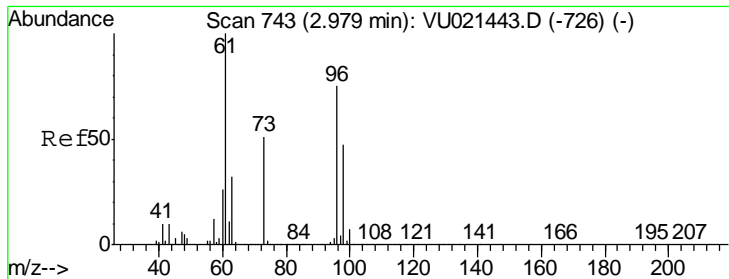
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#20
Methylene Chloride
Concen: 4.84 ug/l
RT: 2.70 min Scan# 656
Delta R.T. 0.00 min
Lab File: VU021441.D
Acq: 03 Jan 2018 13:21

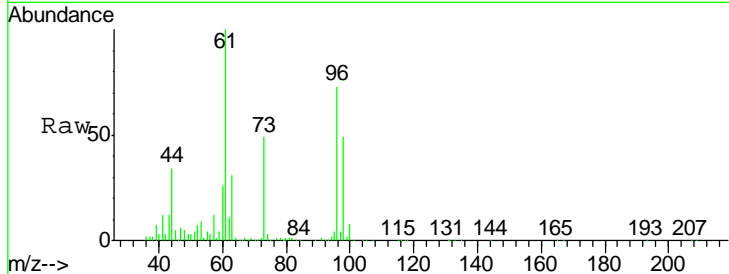
Tgt Ion	Resp	Lower	Upper
84	100		
49	111.4	100.3	150.5
51	35.2	32.2	48.2
86	67.5	51.8	77.8





#21
 trans-1,2-Dichloroethene
 Concen: 4.54 ug/l
 RT: 2.98 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

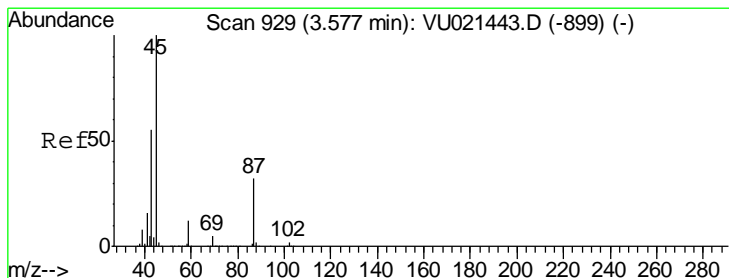
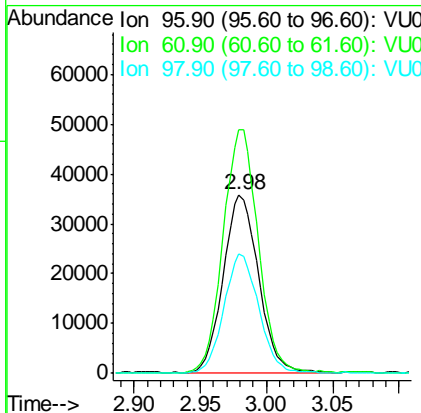
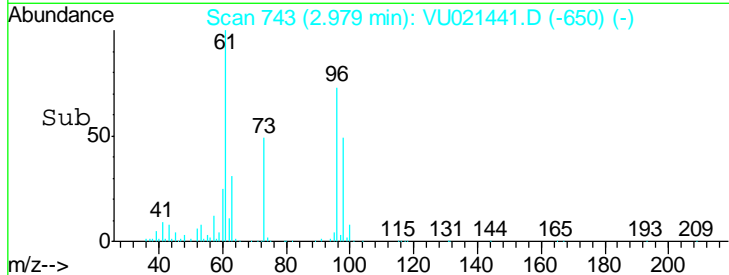
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



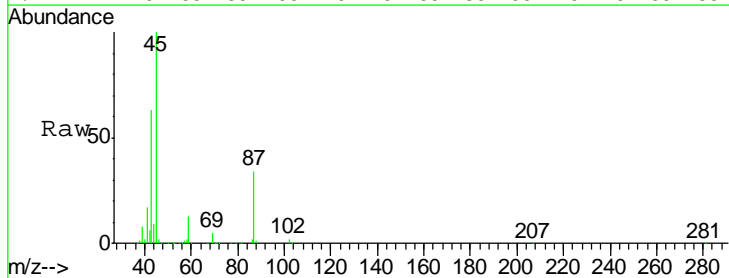
Tgt Ion: 96 Resp: 65853

Ion	Ratio	Lower	Upper
96	100		
61	136.5	113.6	170.4
98	66.8	51.0	76.6

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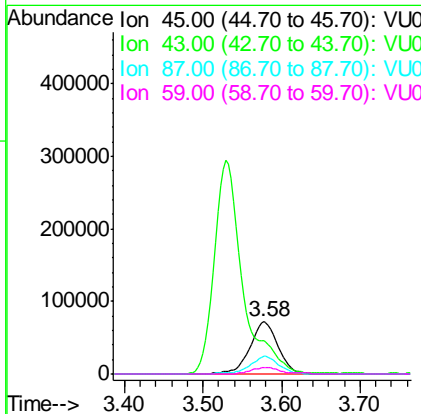
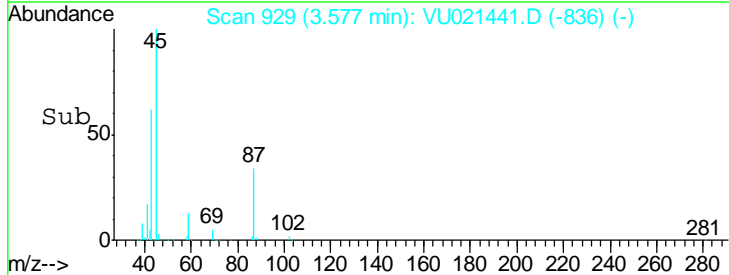


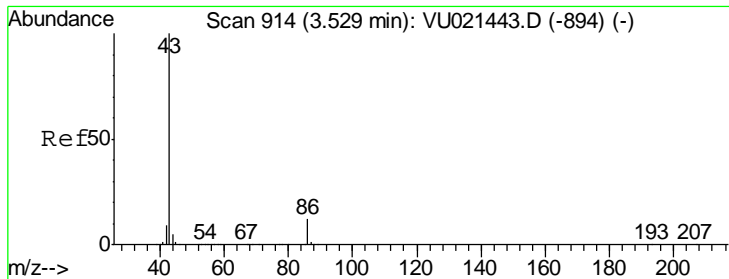
#22
 Diisopropyl ether
 Concen: 5.52 ug/l
 RT: 3.58 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21



Tgt Ion: 45 Resp: 183935

Ion	Ratio	Lower	Upper
45	100		
43	61.7	42.6	63.8
87	34.2	21.0	31.6#
59	12.7	9.2	13.8



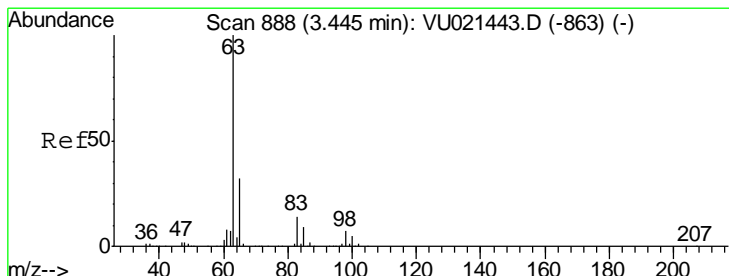
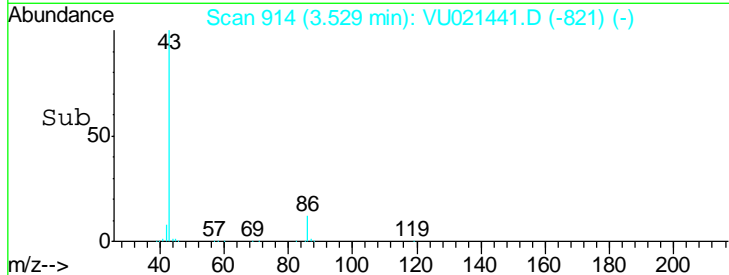
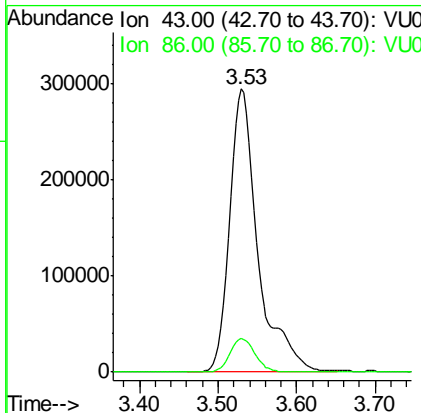
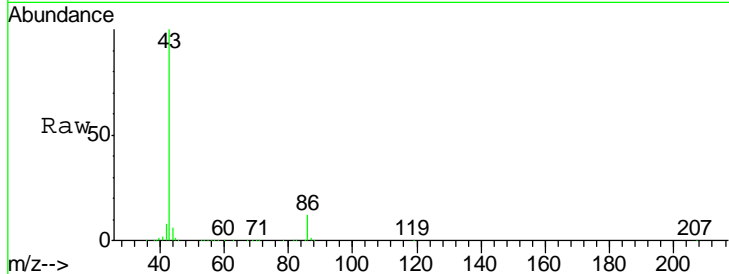


#23
 Vinyl Acetate
 Concen: 27.12 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.8	8.0	12.0

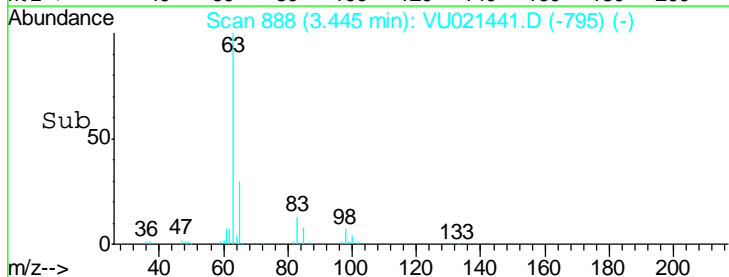
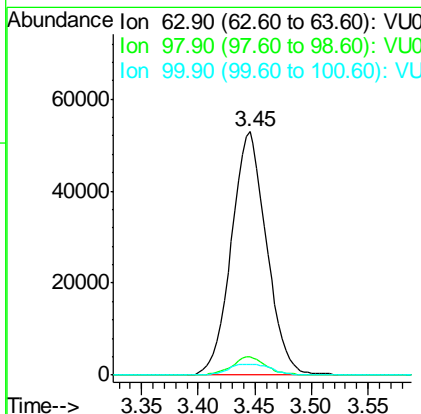
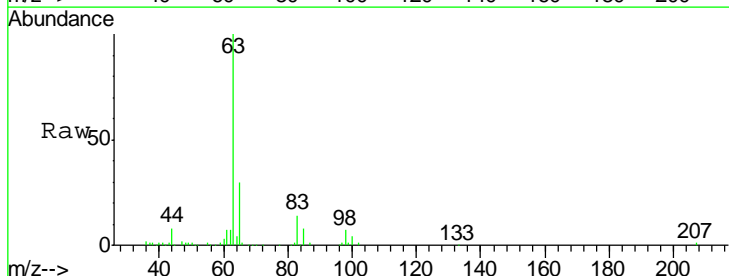
Instrument : MSVOA_U
 ClientSampled : VSTDIC005

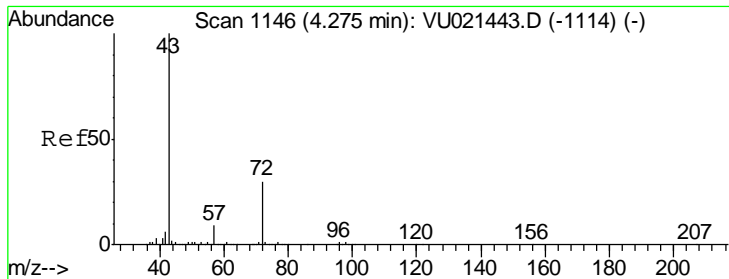
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#24
 1,1-Dichloroethane
 Concen: 5.41 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.4
100	4.4	2.0	5.8





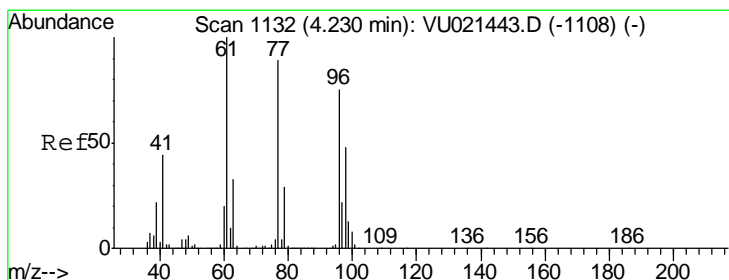
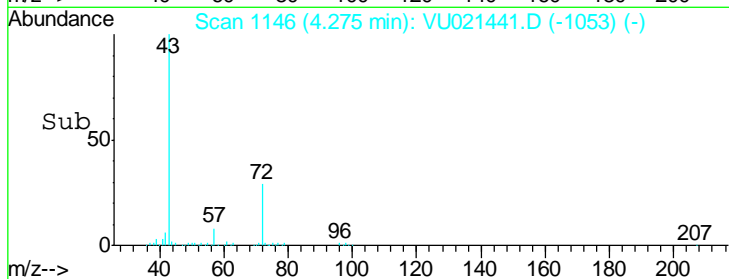
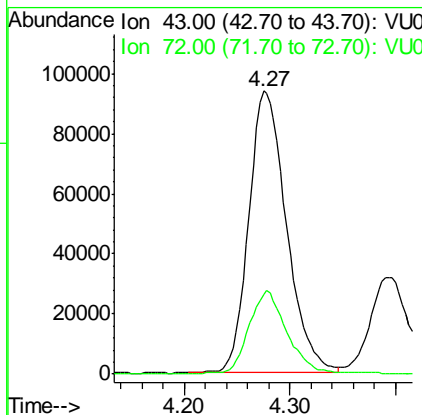
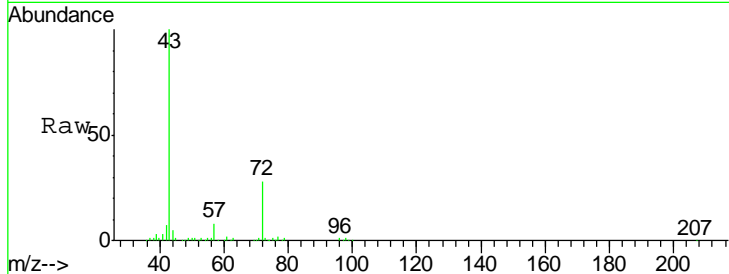
#25
 2-Butanone
 Concen: 29.15 ug/l
 RT: 4.27 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
72	28.6	21.4	32.0

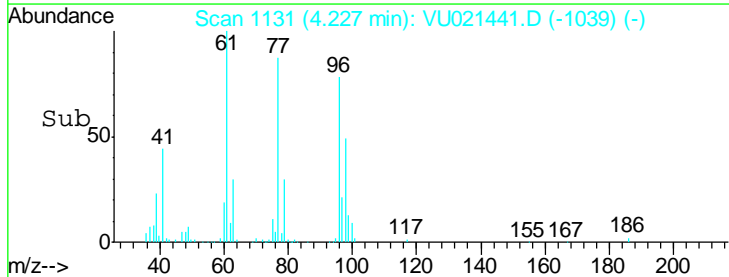
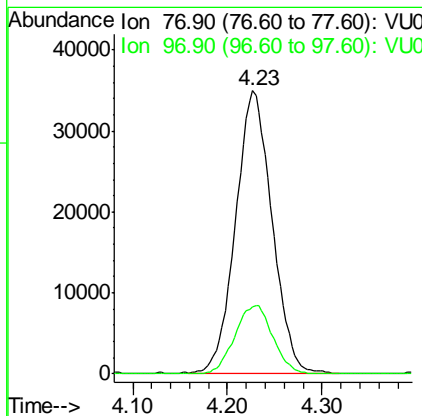
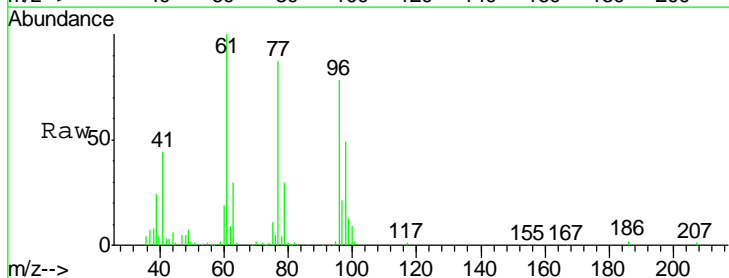
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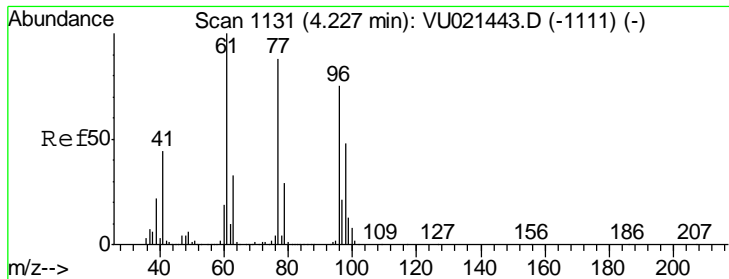
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#26
 2,2-Dichloropropane
 Concen: 4.69 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
77	100		
97	25.1	11.9	35.9





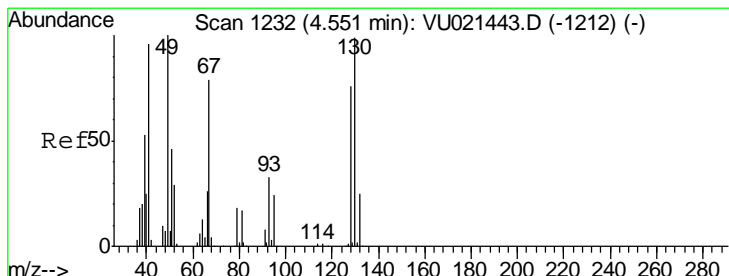
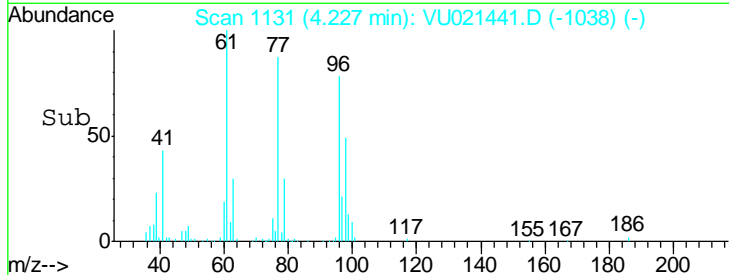
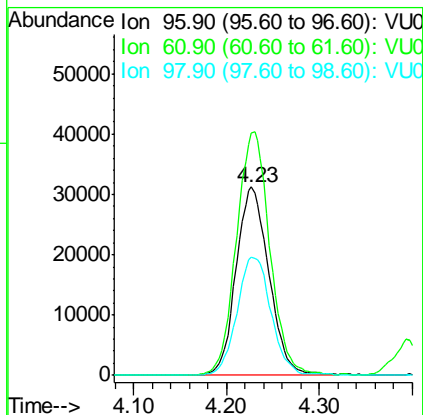
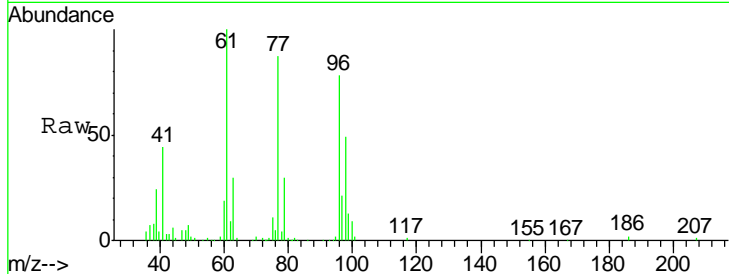
#27
 cis-1,2-Dichloroethene
 Concen: 5.30 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	76966		
96	100		
61	131.3	0.0	273.2
98	64.5	0.0	128.6

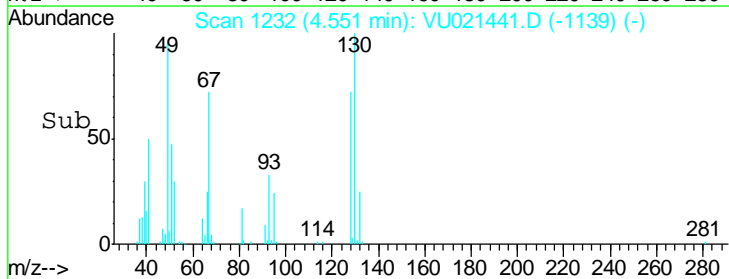
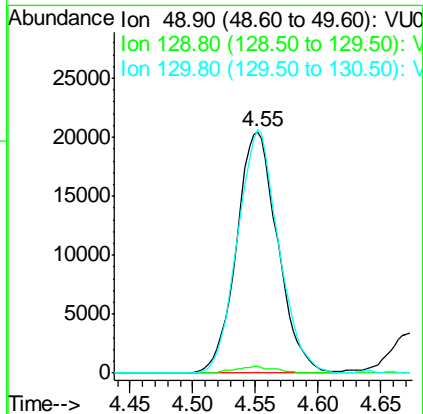
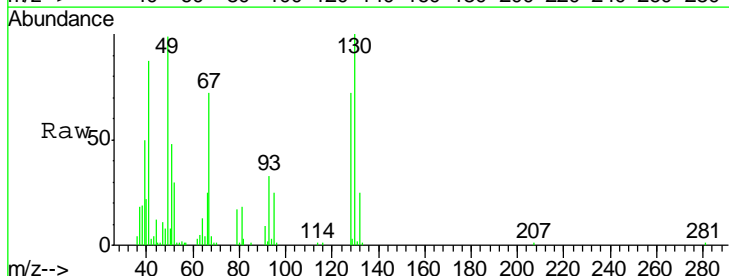
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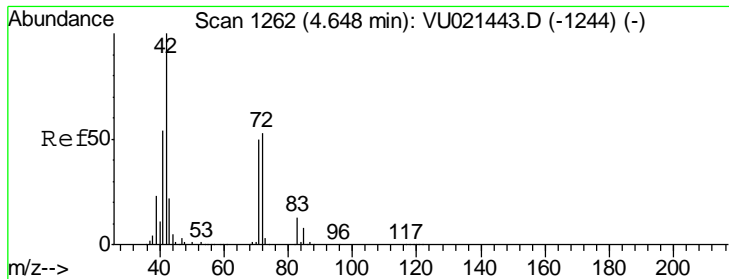
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#28
 Bromochloromethane
 Concen: 5.06 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

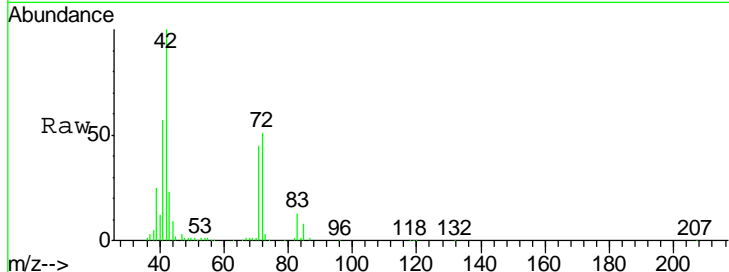
Tgt Ion	Resp	Lower	Upper
49	46712		
49	100		
129	2.6	0.0	4.2
130	100.4	69.0	103.4





#29
 Tetrahydrofuran
 Concen: 28.55 ug/l
 RT: 4.65 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

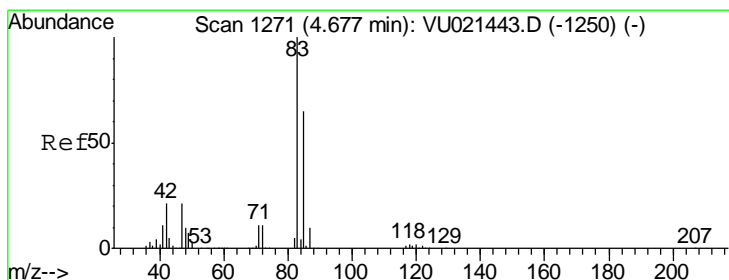
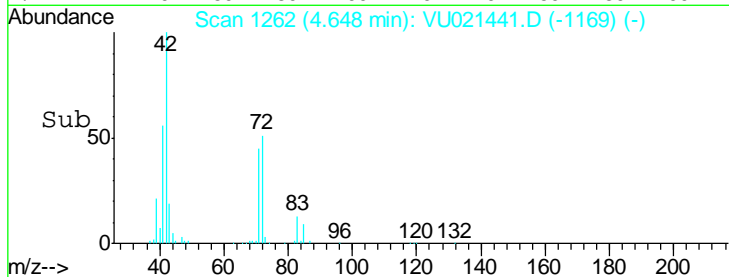
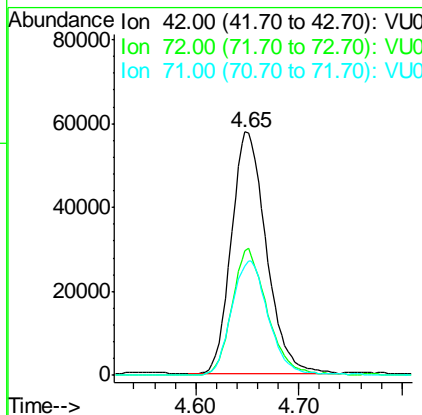


Tgt Ion: 42 Resp: 137050

Ion	Ratio	Lower	Upper
42	100		
72	52.0	36.9	55.3
71	49.4	34.5	51.7

Manual Integrations
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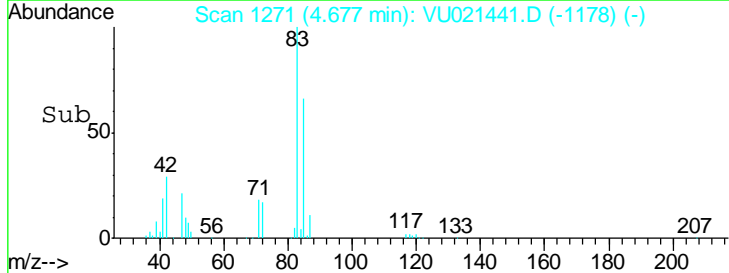
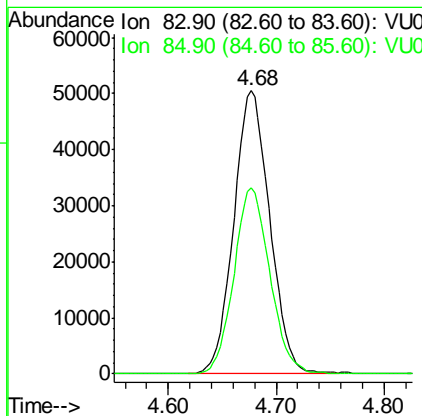
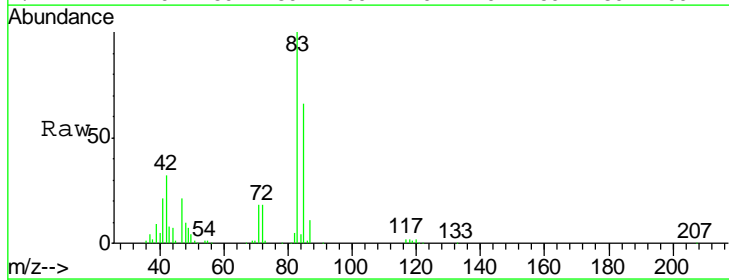
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3 sam
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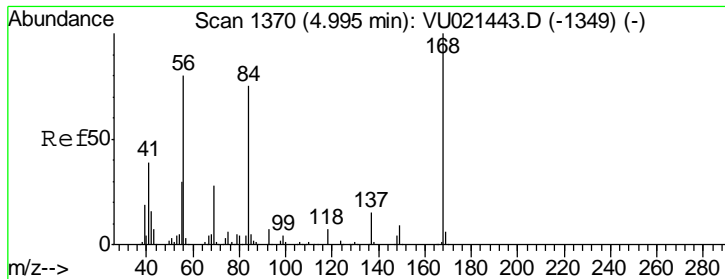


#30
 Chloroform
 Concen: 5.09 ug/l
 RT: 4.68 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion: 83 Resp: 117464

Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.9	74.9





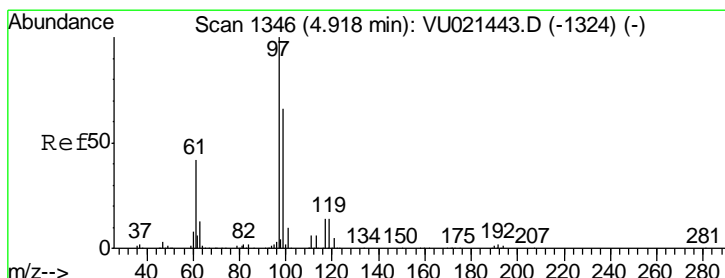
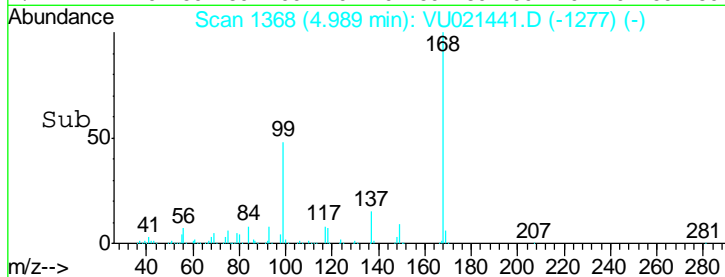
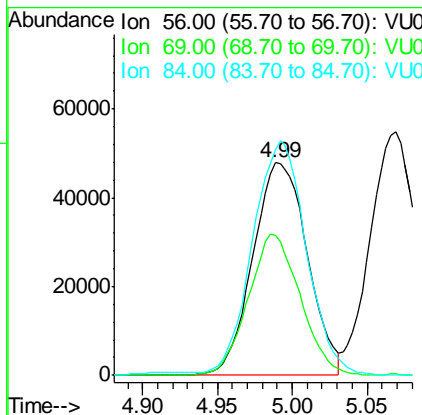
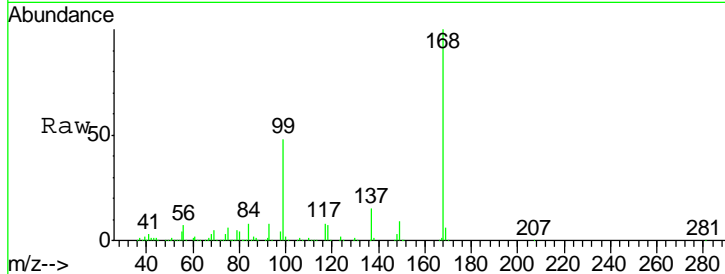
#31
 Cyclohexane
 Concen: 5.13 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	120420		
56	100		
69	66.1	26.5	39.7#
84	105.4	70.6	105.8

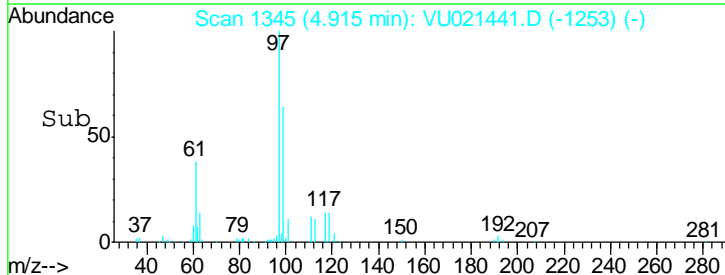
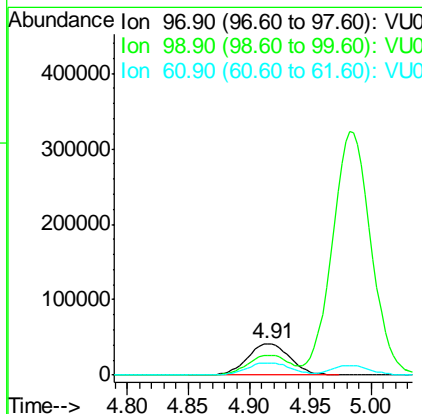
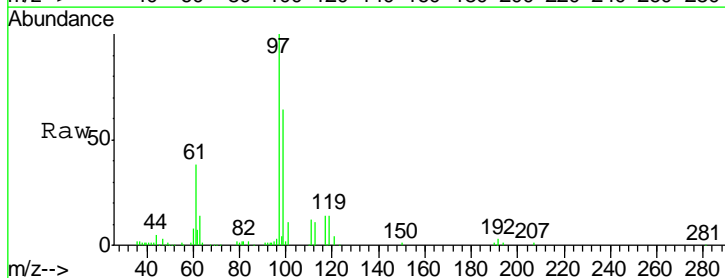
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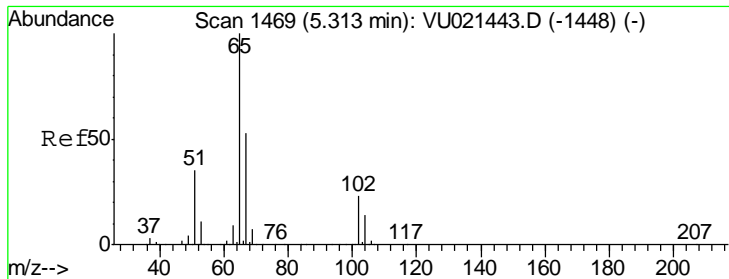
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#32
 1,1,1-Trichloroethane
 Concen: 4.73 ug/l
 RT: 4.91 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
97	100766		
97	100		
99	61.9	51.7	77.5
61	40.6	35.0	52.6





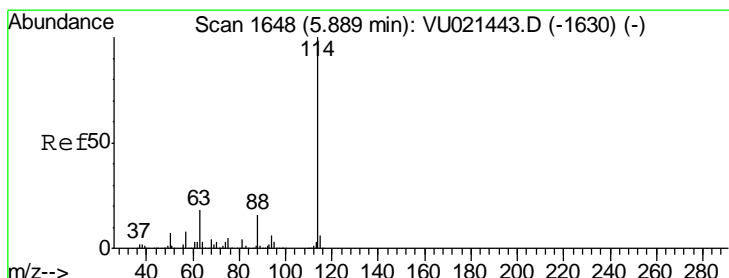
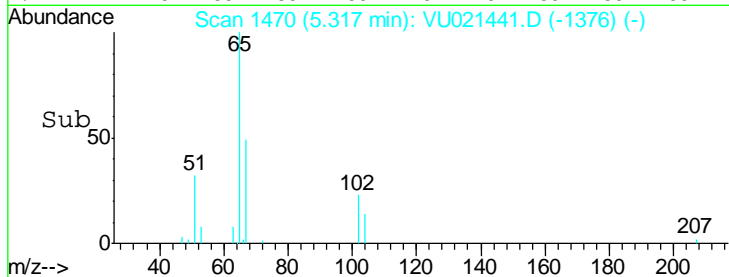
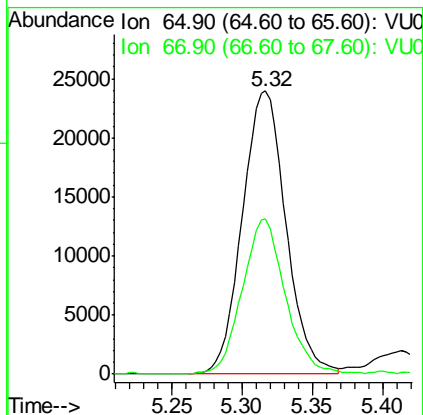
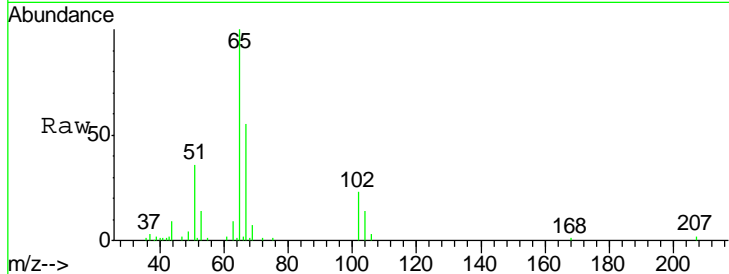
#33
 1,2-Dichloroethane-d4
 Concen: 3.99 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.0	0.0	109.2

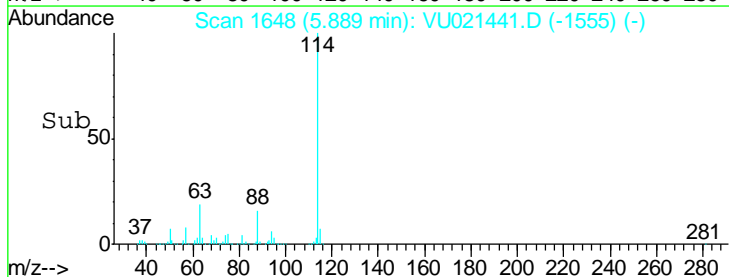
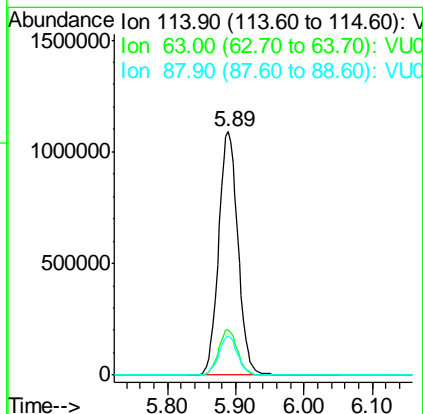
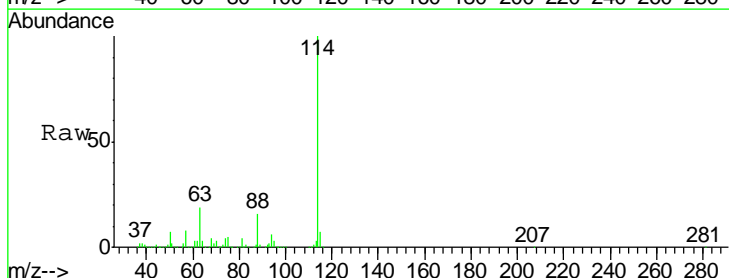
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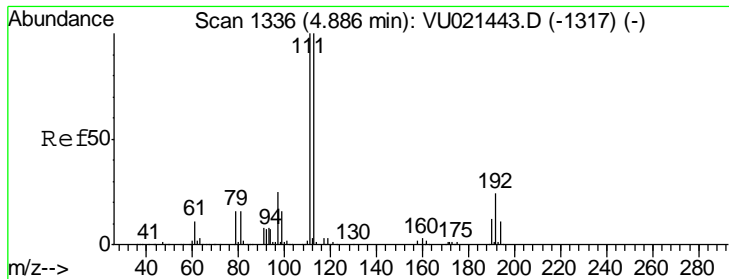
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

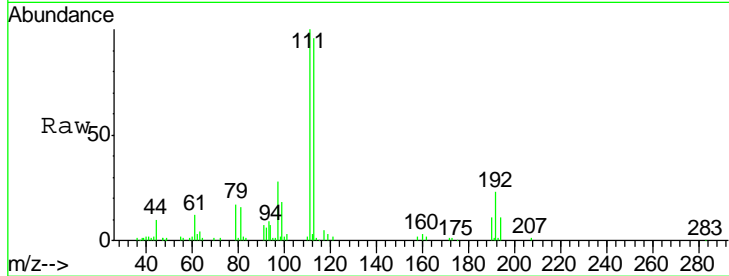
Tgt Ion	Resp	Lower	Upper
114	100		
63	18.6	0.0	38.6
88	15.9	0.0	29.8





#35
 Dibromofluoromethane
 Concen: 4.09 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

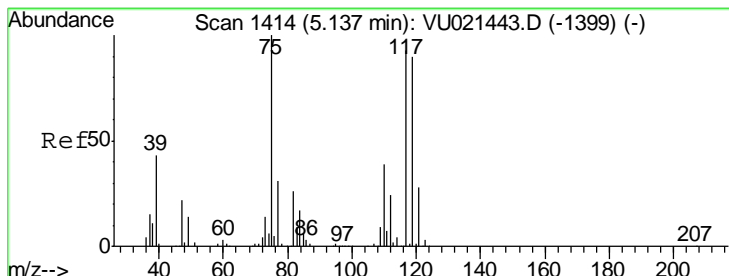
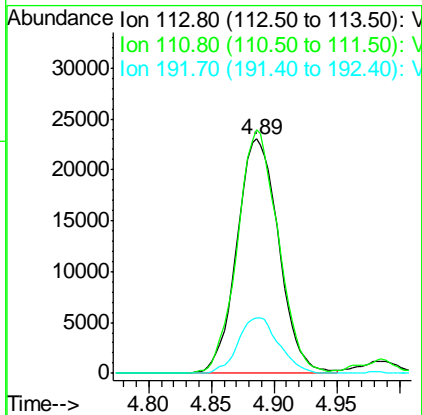
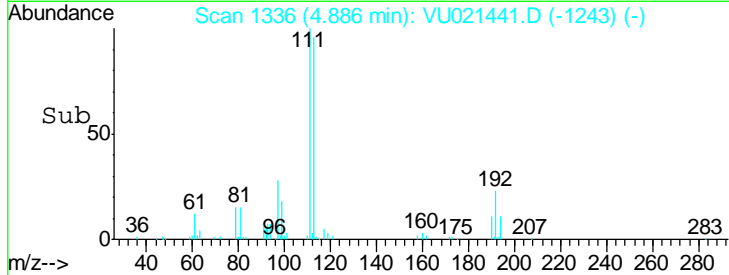
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



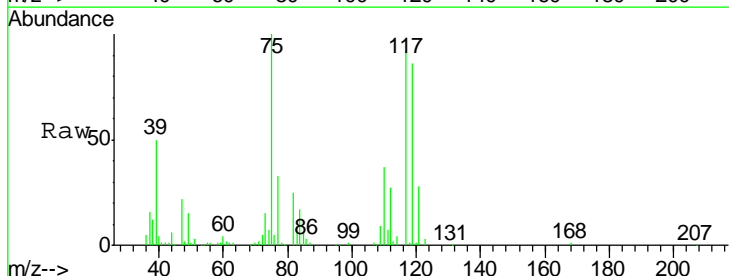
Tgt Ion: 113 Resp: 53356

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.2	121.8
192	23.0	18.2	27.2

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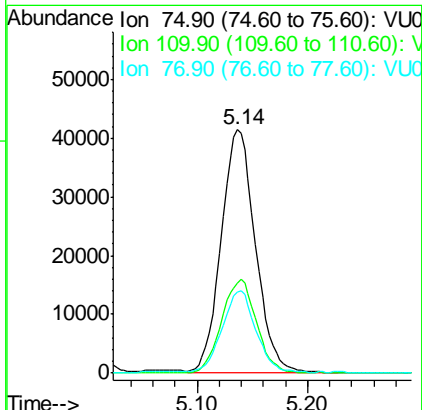
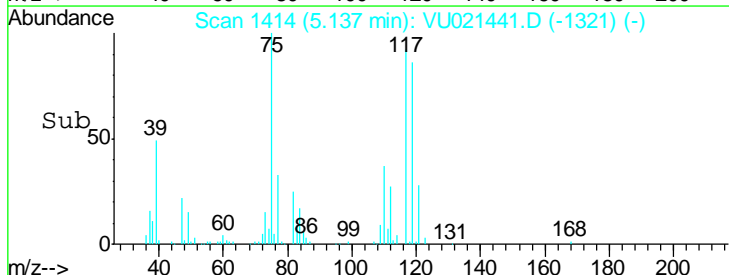


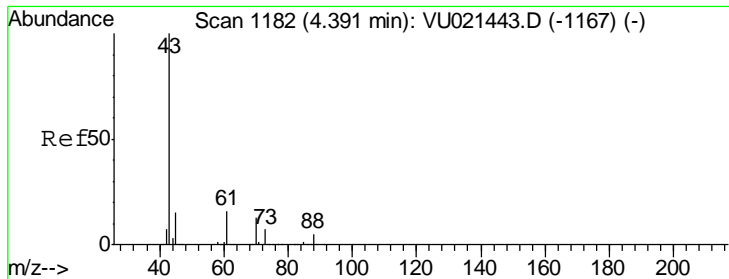
#36
 1,1-Dichloropropene
 Concen: 4.97 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21



Tgt Ion: 75 Resp: 89396

Ion	Ratio	Lower	Upper
75	100		
110	38.9	18.5	55.5
77	32.8	25.0	37.6





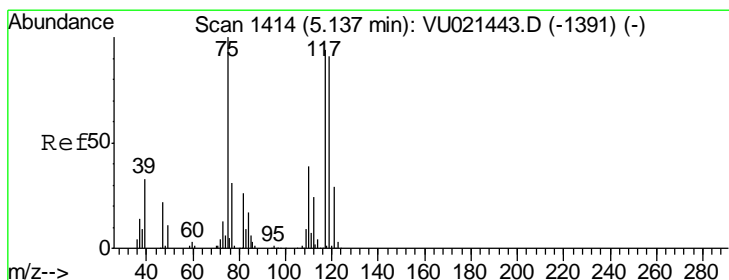
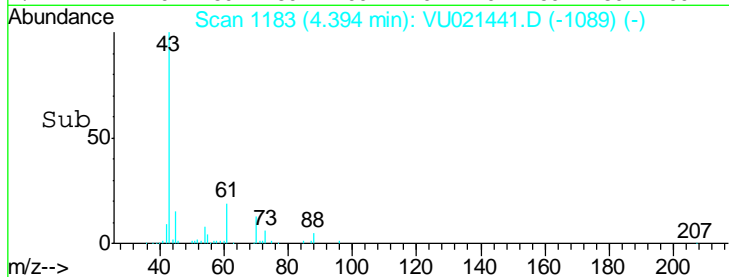
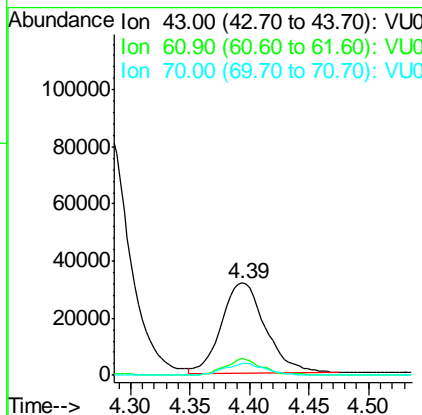
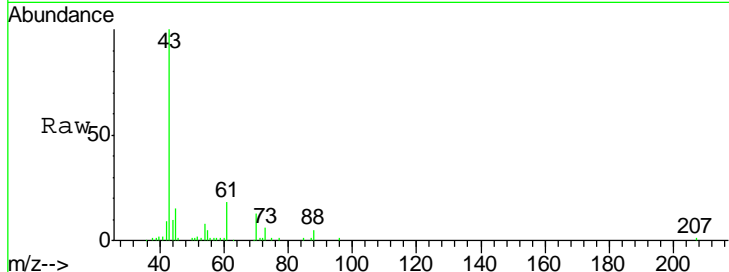
#37
 Ethyl Acetate
 Concen: 5.48 ug/l
 RT: 4.39 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	80310		
61	16.0	11.8	17.8
70	12.7	8.6	12.8

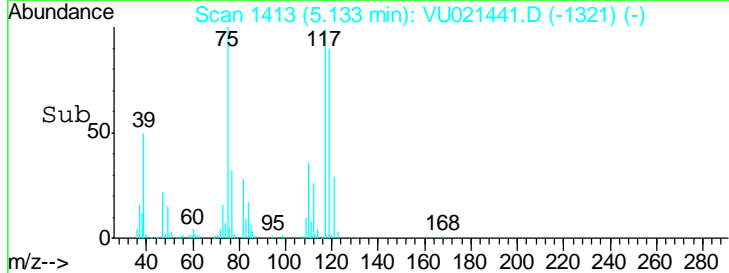
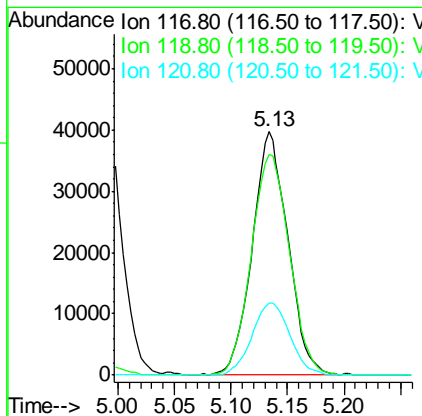
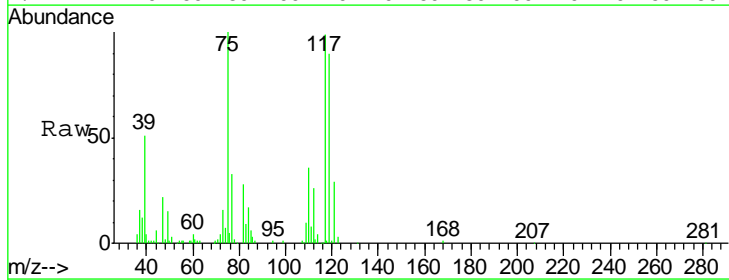
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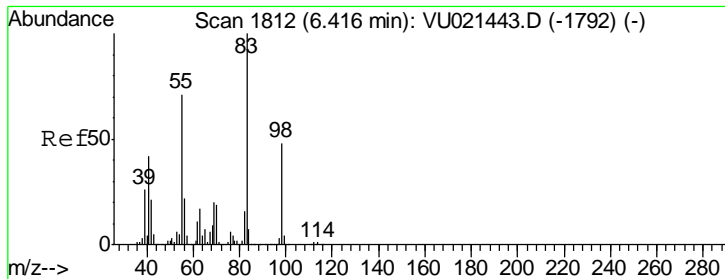
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#38
 Carbon Tetrachloride
 Concen: 4.28 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

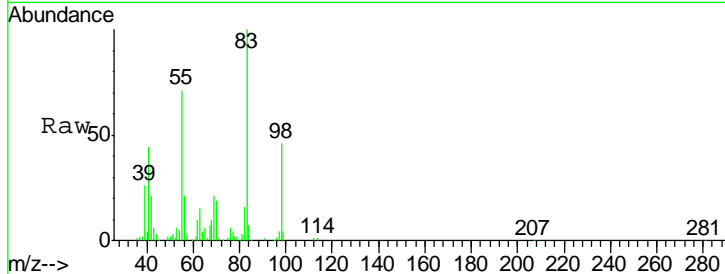
Tgt Ion	Resp	Lower	Upper
117	86132		
119	90.9	77.3	115.9
121	29.5	24.9	37.3





#39
 Methylcyclohexane
 Concen: 4.85 ug/l
 RT: 6.42 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

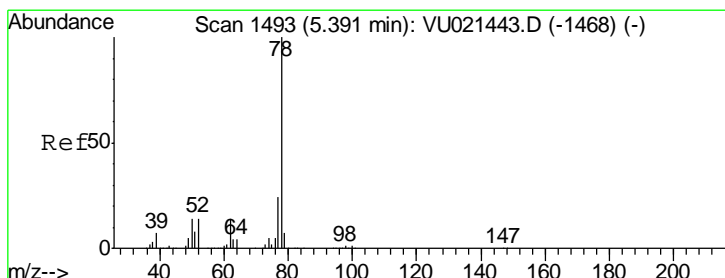
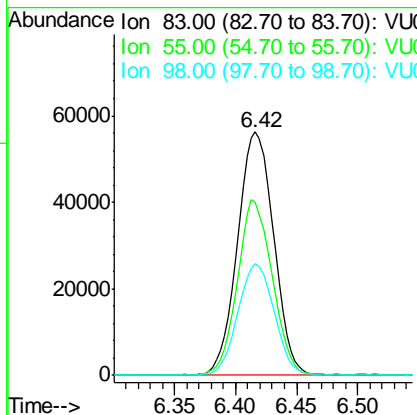
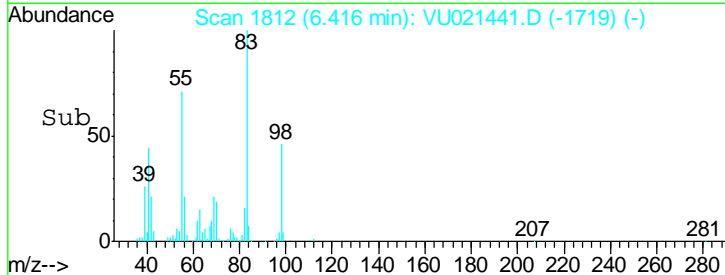
Instrument : MSVOA_U
 ClientSampled : VSTDIC005



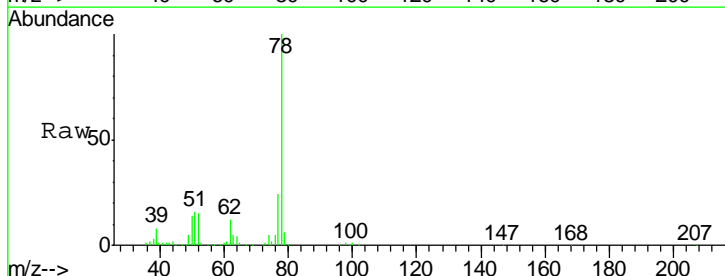
Tgt Ion: 83 Resp: 115481

Ion	Ratio	Lower	Upper
83	100		
55	70.8	61.6	92.4
98	45.7	37.4	56.2

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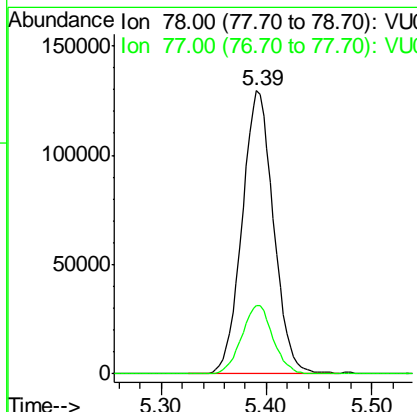
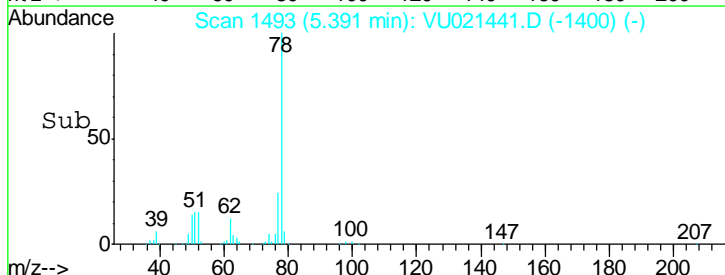


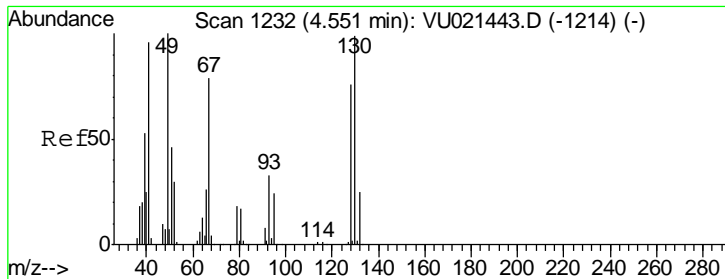
#40
 Benzene
 Concen: 5.01 ug/l
 RT: 5.39 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21



Tgt Ion: 78 Resp: 268435

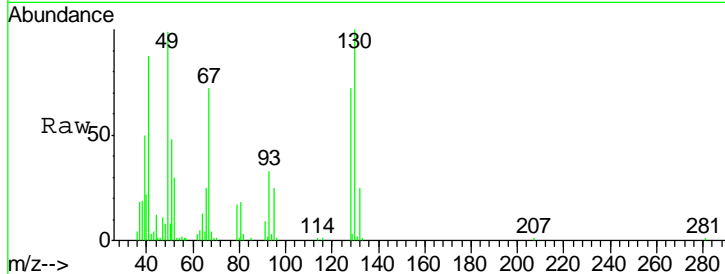
Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3





#41
 Methacrylonitrile
 Concen: 5.13 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

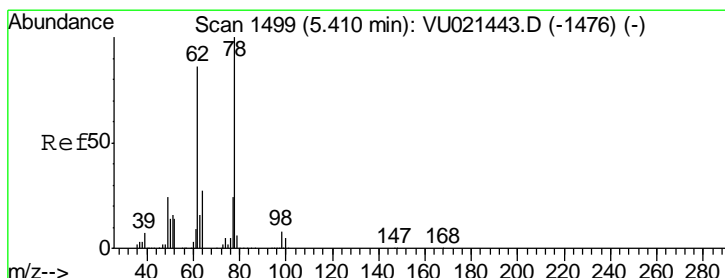
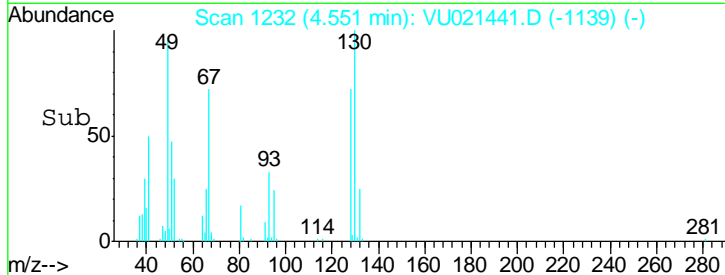
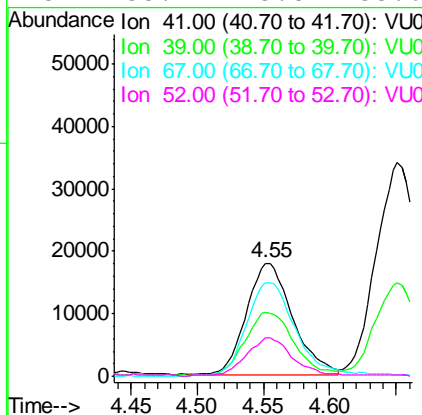


Tgt Ion: 41 Resp: 43002

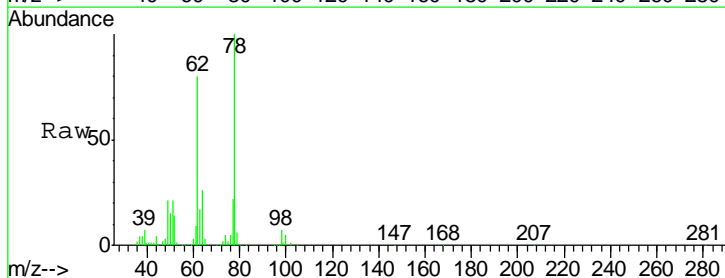
Ion	Ratio	Lower	Upper
41	100		
39	58.0	41.5	62.3
67	89.0	61.0	91.6
52	35.2	23.8	35.6

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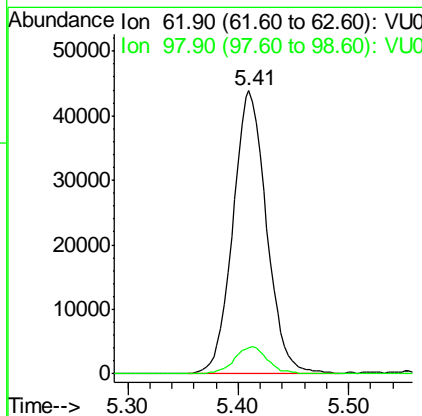
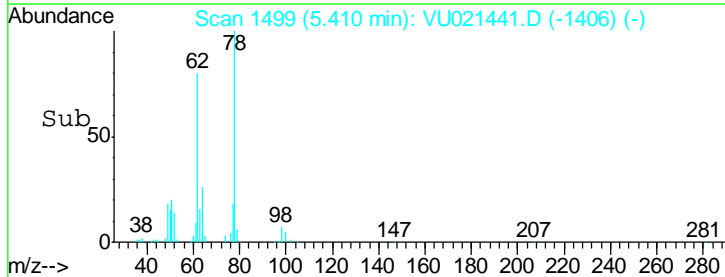


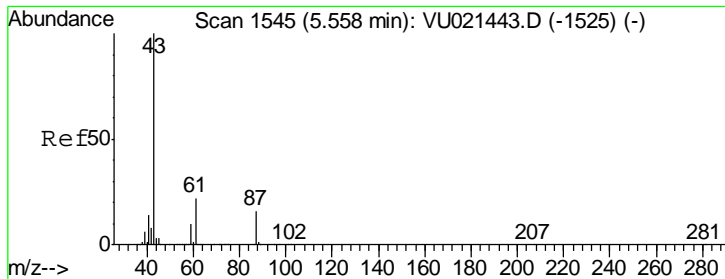
#42
 1,2-Dichloroethane
 Concen: 5.10 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21



Tgt Ion: 62 Resp: 92604

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





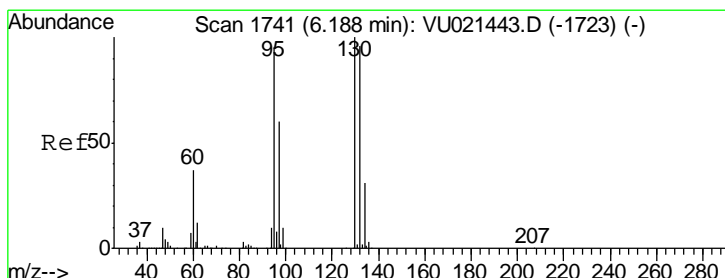
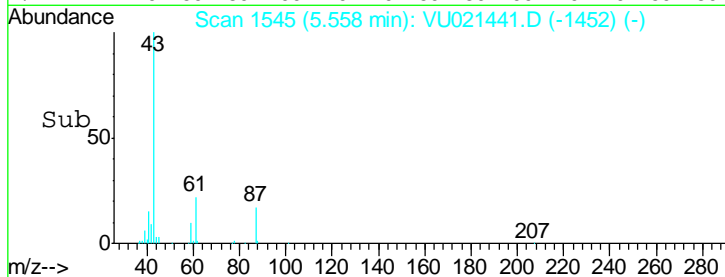
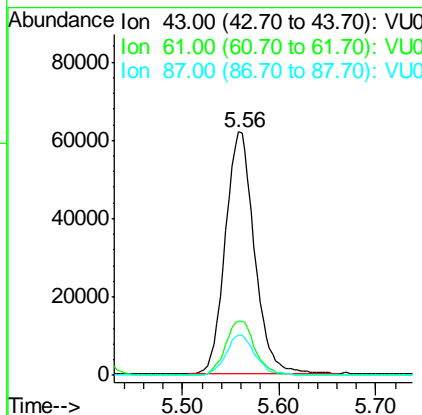
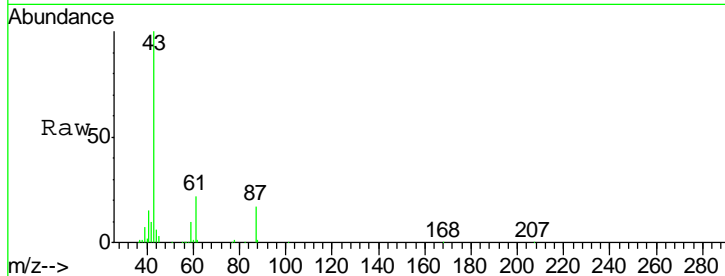
#43
 Isopropyl Acetate
 Concen: 4.92 ug/l
 RT: 5.56 min Scan# 1545
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	129359		
61	22.7	16.5	24.7
87	16.8	11.4	17.0

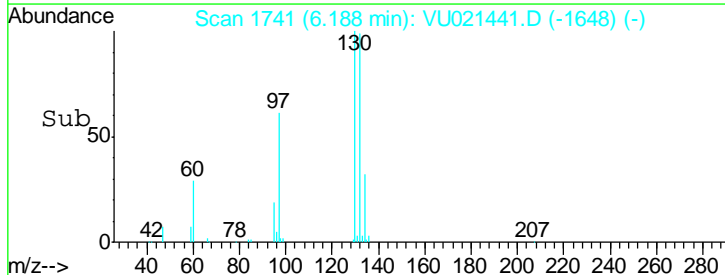
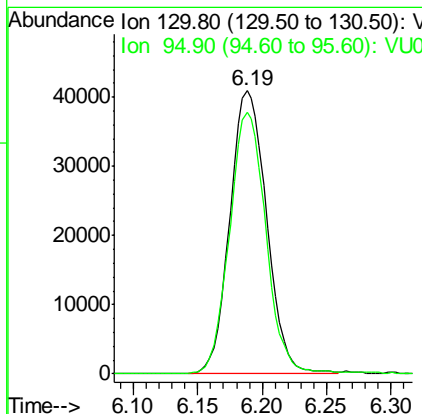
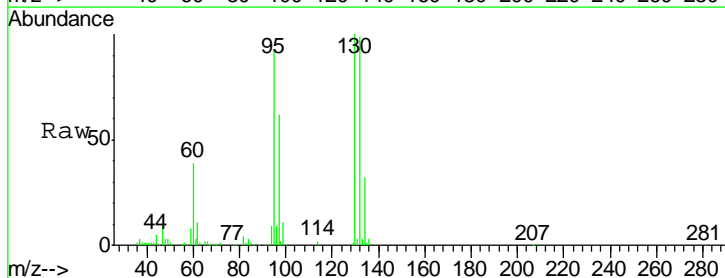
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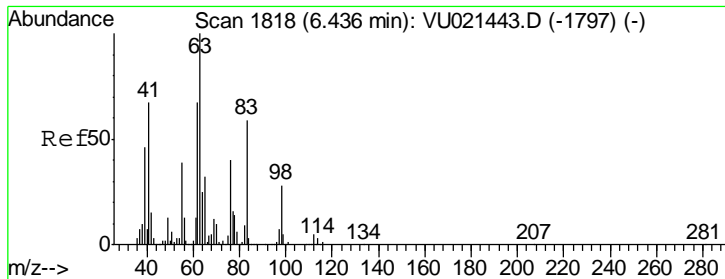
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#44
 Trichloroethene
 Concen: 4.79 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
130	81211		
95	92.5	0.0	197.8





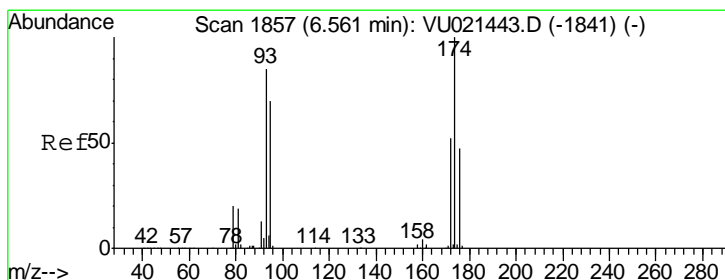
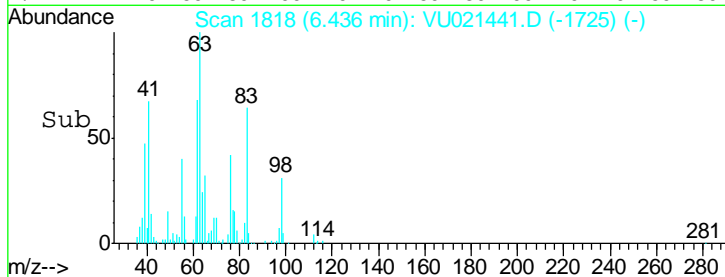
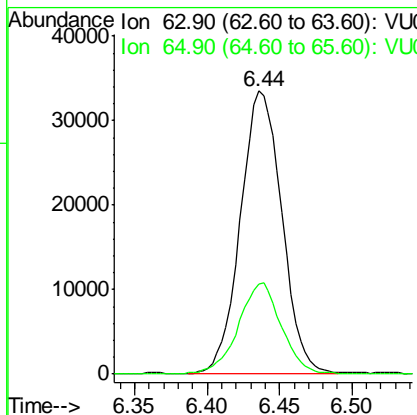
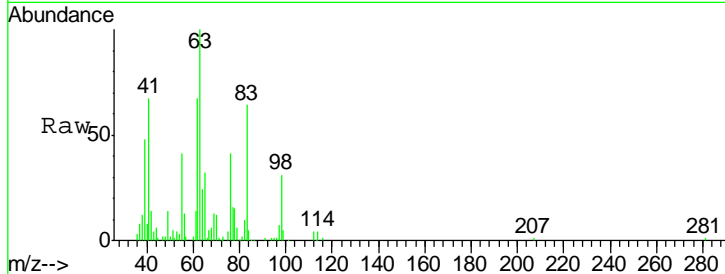
#45
 1,2-Dichloropropane
 Concen: 5.00 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.6	24.6	37.0

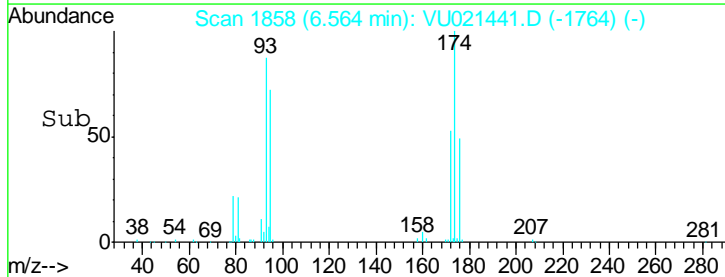
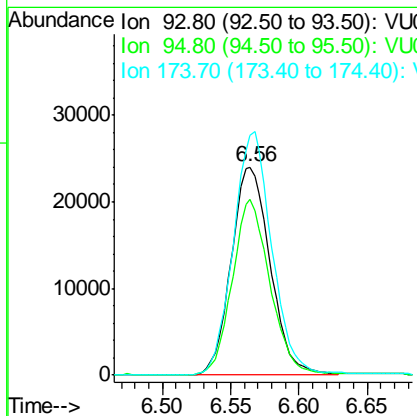
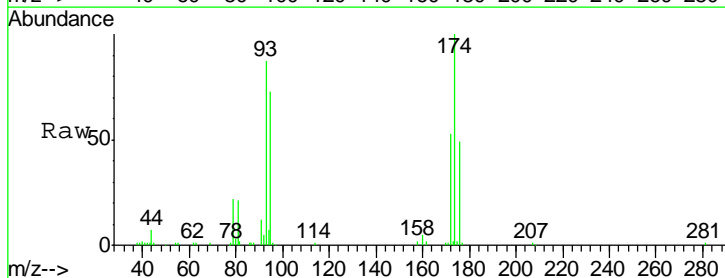
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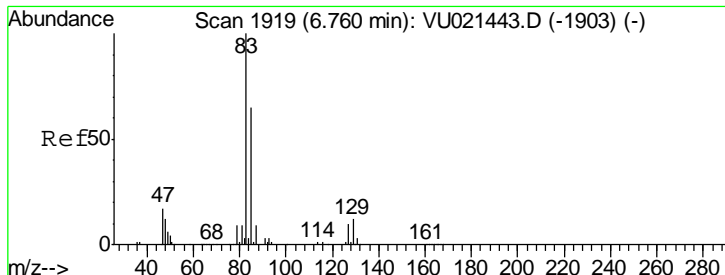
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#46
 Dibromomethane
 Concen: 4.80 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

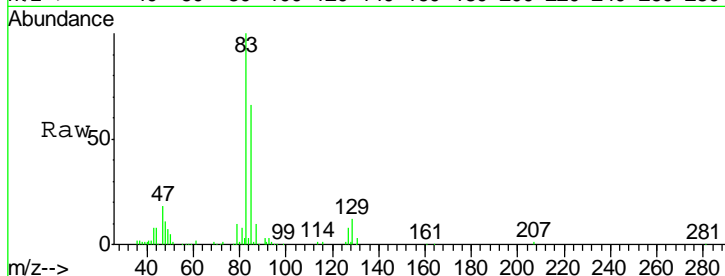
Tgt Ion	Resp	Lower	Upper
93	100		
95	81.8	66.1	99.1
174	115.2	88.5	132.7





#47
 Bromodichloromethane
 Concen: 4.40 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

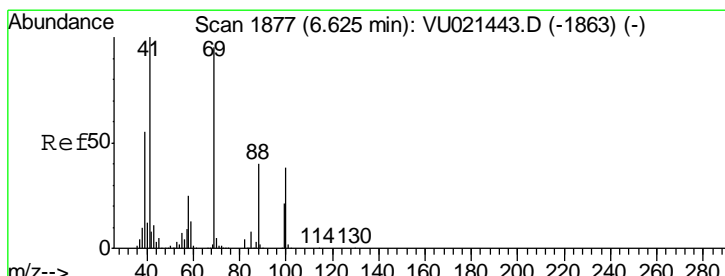
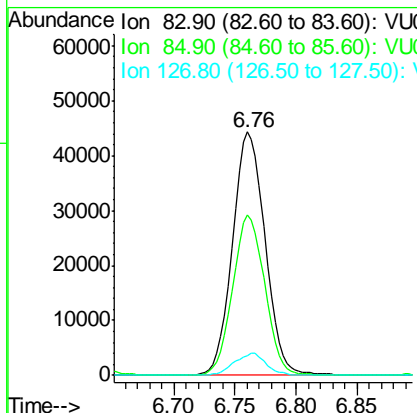
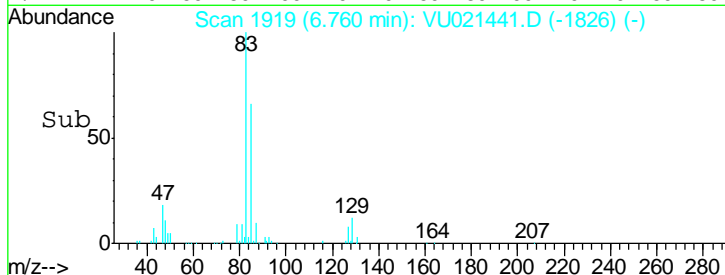
Instrument : MSVOA_U
 ClientSampled : VSTDIC005



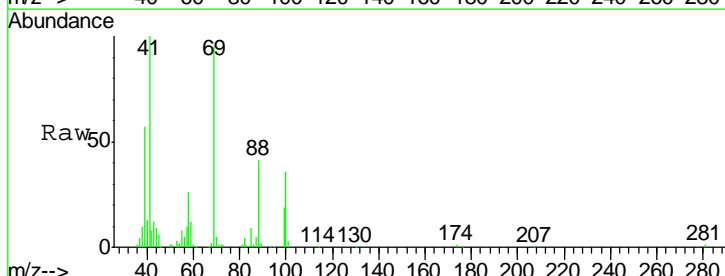
Tgt Ion	Resp	Lower	Upper
83	100		
85	65.8	51.4	77.0
127	8.0	7.0	10.6

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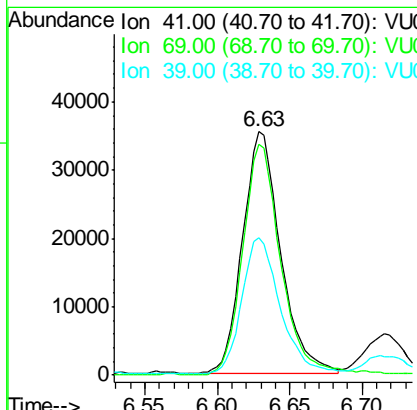
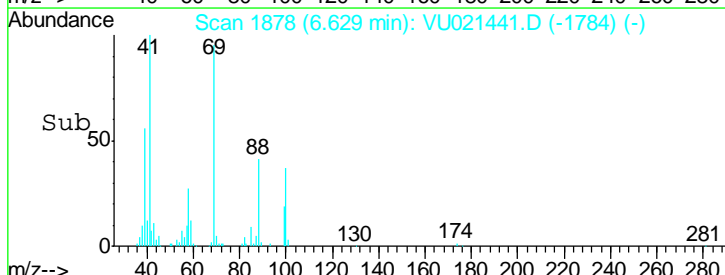
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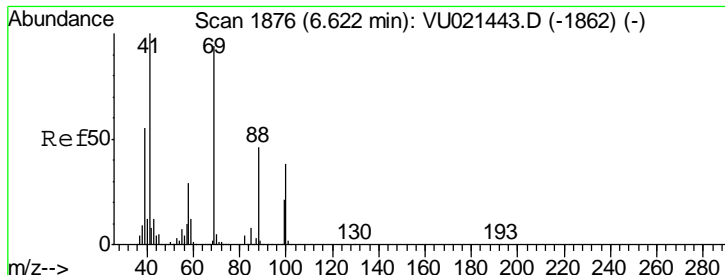


#48
 Methyl methacrylate
 Concen: 5.12 ug/l
 RT: 6.63 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21



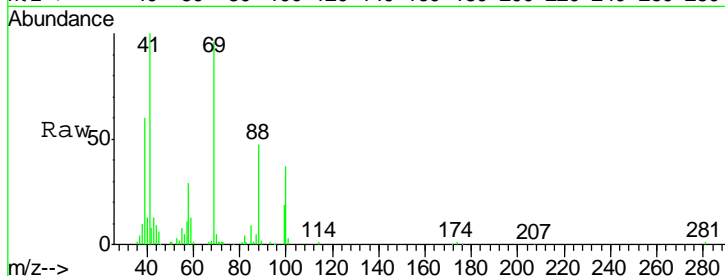
Tgt Ion	Resp	Lower	Upper
41	100		
69	95.6	70.6	105.8
39	55.8	41.6	62.4





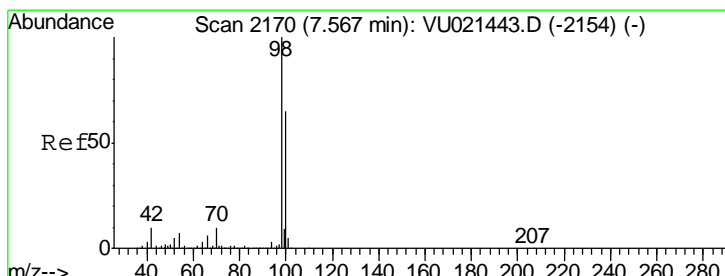
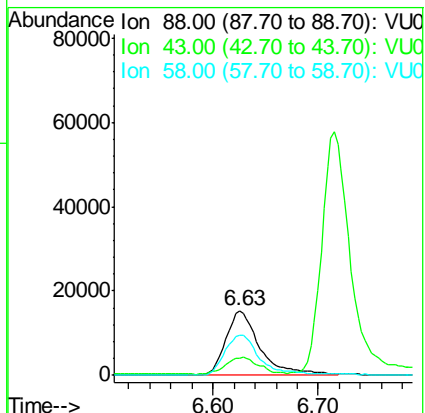
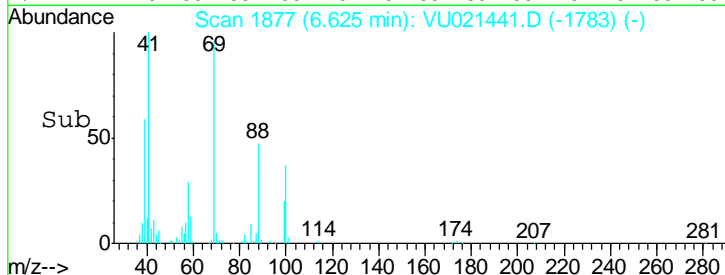
#49
 1,4-Dioxane
 Concen: 107.90 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

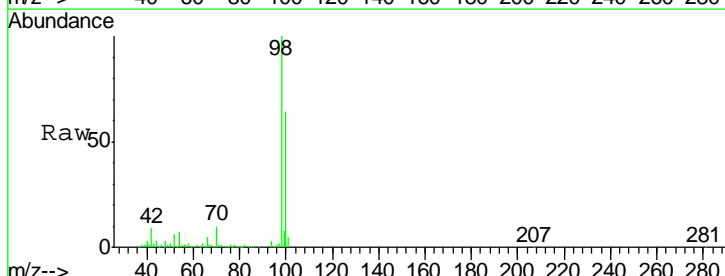


Tgt Ion	Resp	Lower	Upper
88	34371		
88	100		
43	25.9	23.7	35.5
58	64.0	57.4	86.0

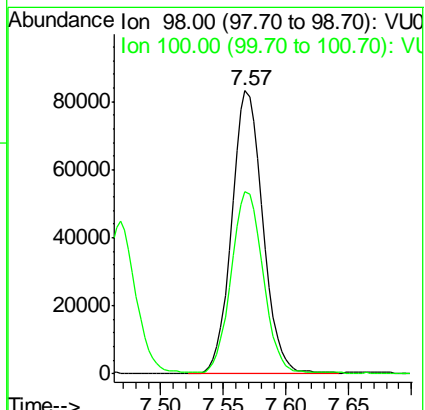
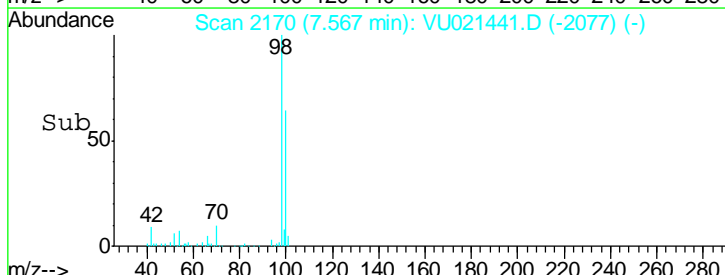
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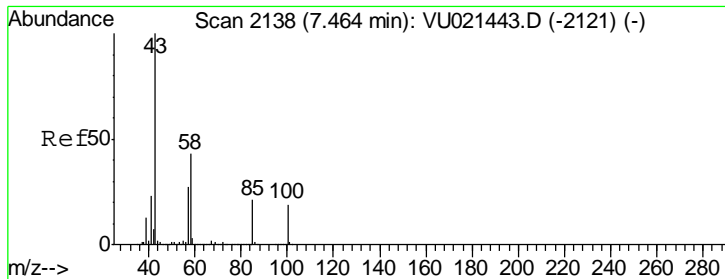


#50
 Toluene-d8
 Concen: 3.29 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21



Tgt Ion	Resp	Lower	Upper
98	143909		
98	100		
100	64.8	50.5	75.7





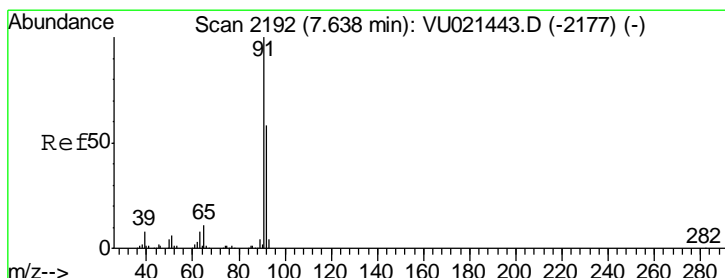
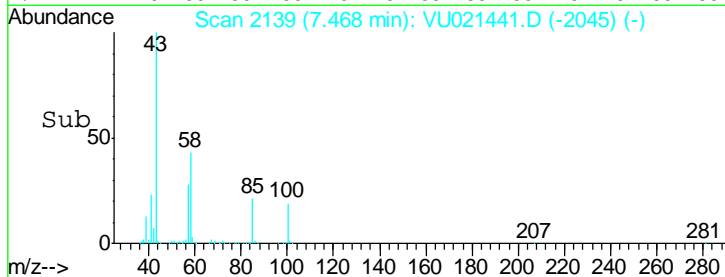
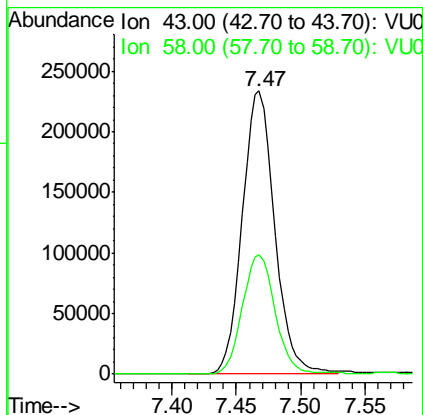
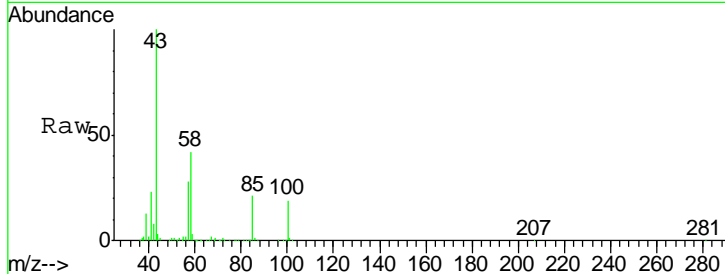
#51
 4-Methyl-2-Pentanone
 Concen: 25.83 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
58	43.0	32.4	48.6

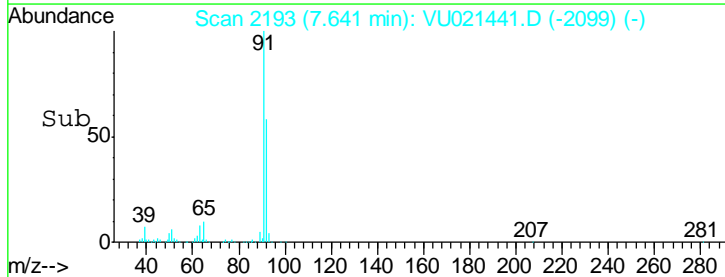
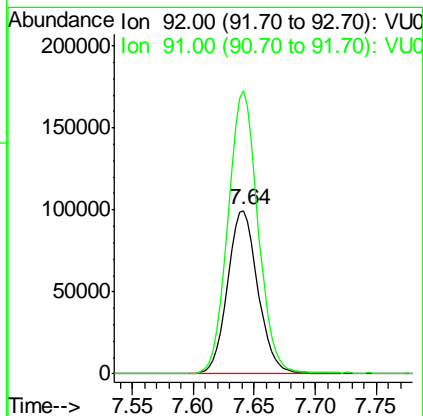
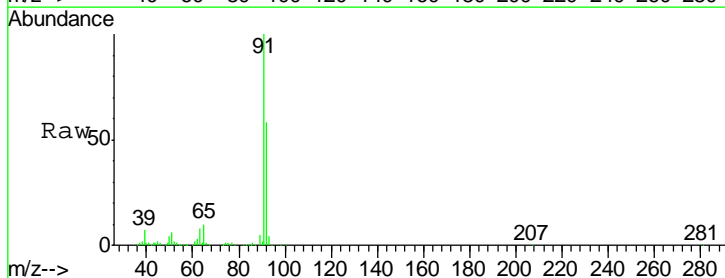
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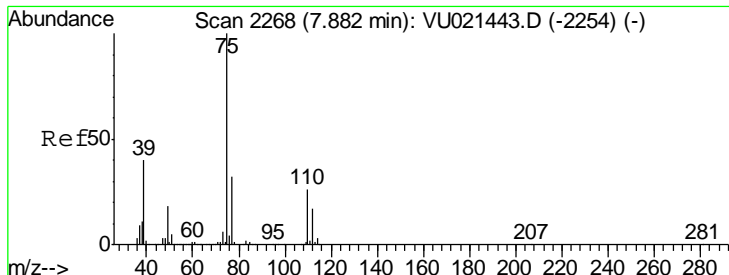
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#52
 Toluene
 Concen: 4.91 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
92	100		
91	170.5	139.7	209.5





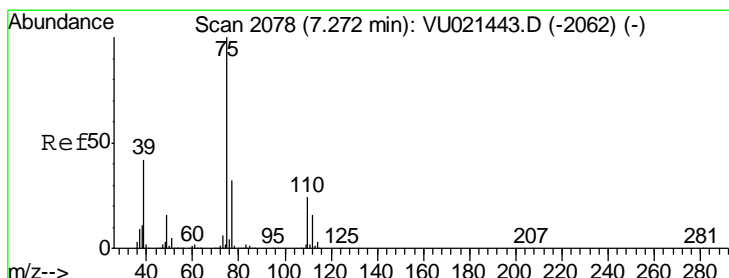
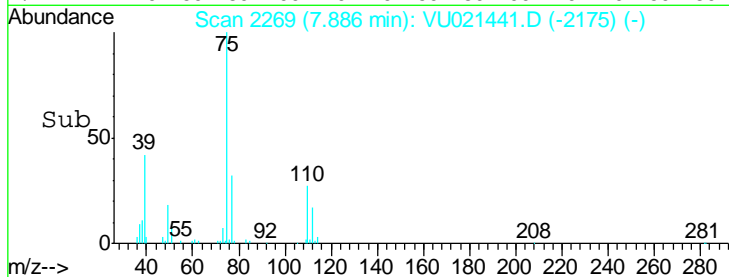
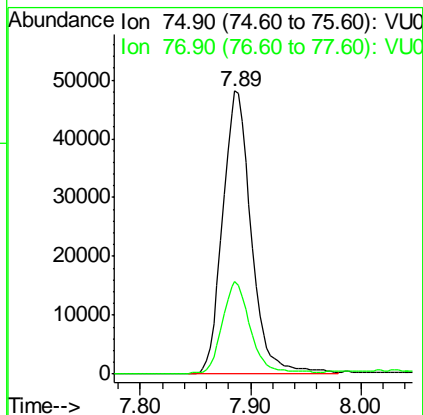
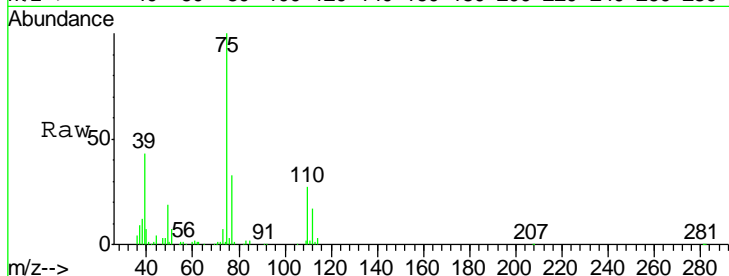
#53
 t-1,3-Dichloropropene
 Concen: 4.17 ug/l
 RT: 7.89 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	100		
77	32.5	24.9	37.3

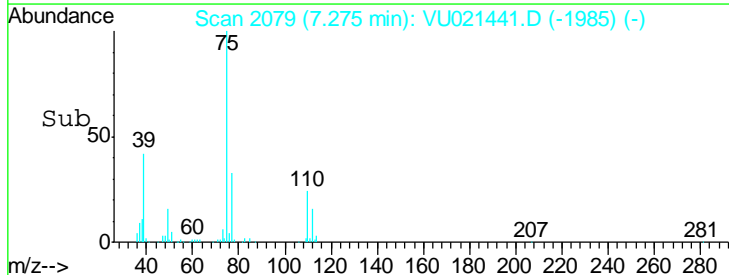
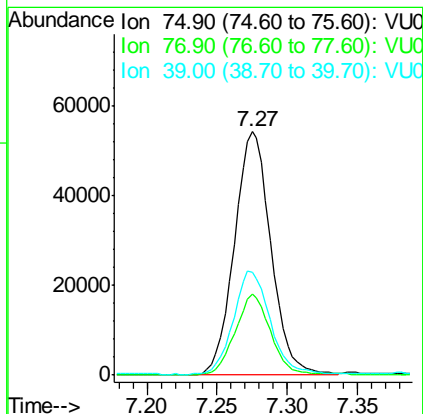
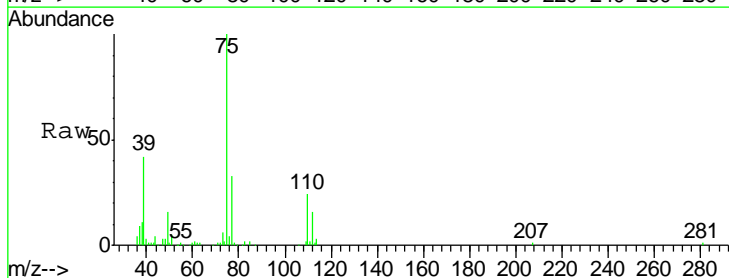
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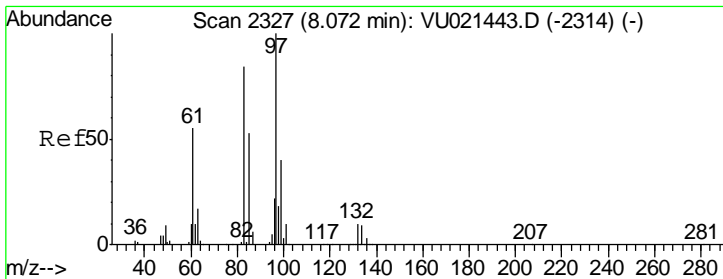
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#54
 cis-1,3-Dichloropropene
 Concen: 4.43 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

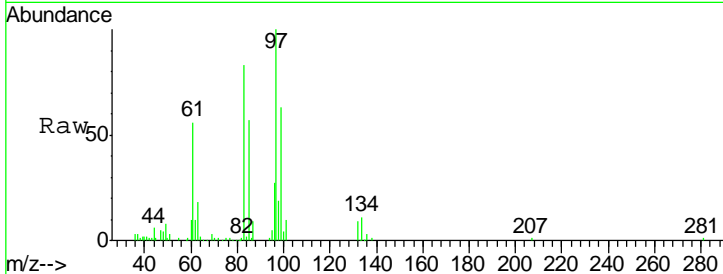
Tgt Ion	Resp	Lower	Upper
75	100		
77	33.2	25.5	38.3
39	41.9	34.2	51.4





#55
 1,1,2-Trichloroethane
 Concen: 4.74 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

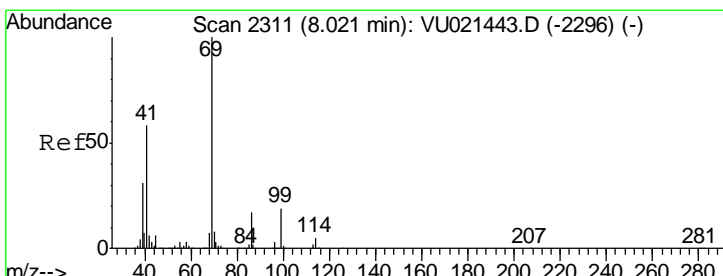
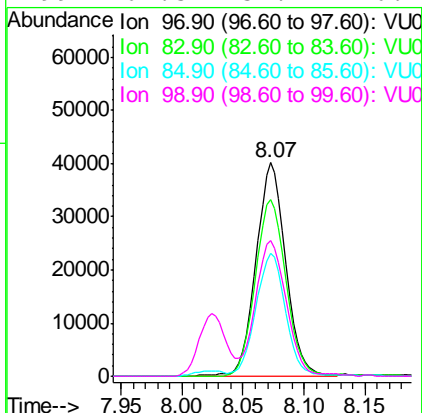
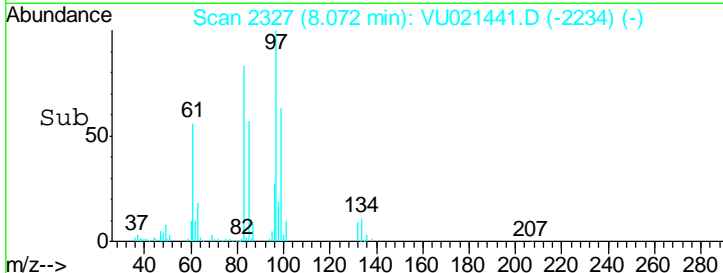
Instrument : MSVOA_U
 ClientSampled : VSTDIC005



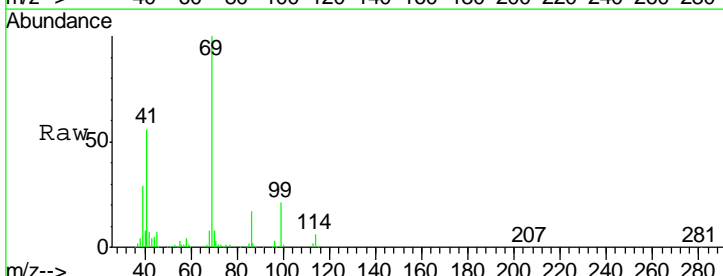
Tgt Ion	Resp	Lower	Upper
97	100		
83	82.7	70.6	106.0
85	56.8	46.8	70.2
99	62.5	51.1	76.7

Manual Integrations
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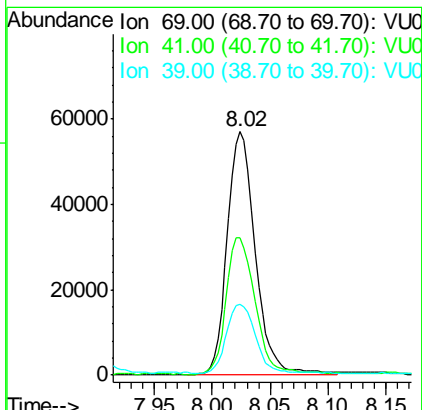
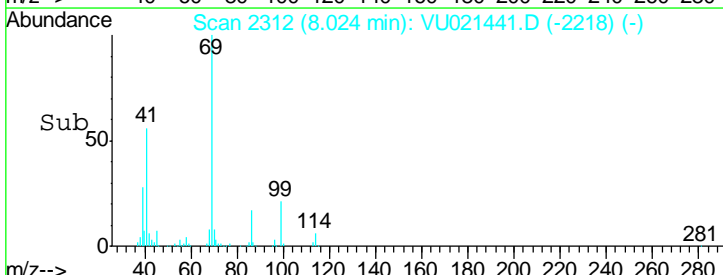
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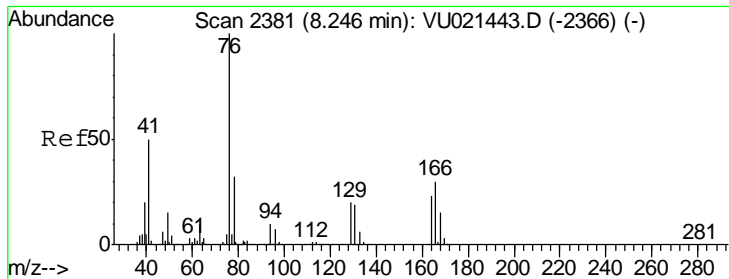


#56
 Ethyl methacrylate
 Concen: 4.88 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21



Tgt Ion	Resp	Lower	Upper
69	100		
41	57.2	50.1	75.1
39	28.7	25.2	37.8





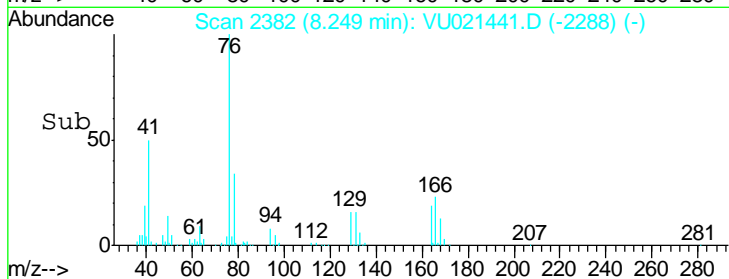
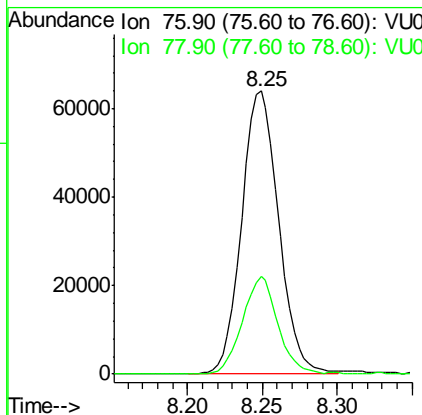
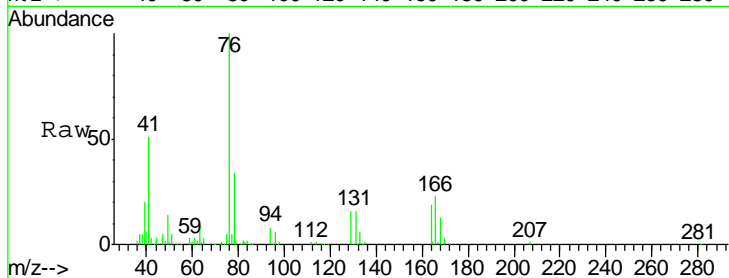
#57
 1,3-Dichloropropane
 Concen: 4.96 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	110541		
76	100		
78	32.4	25.7	38.5

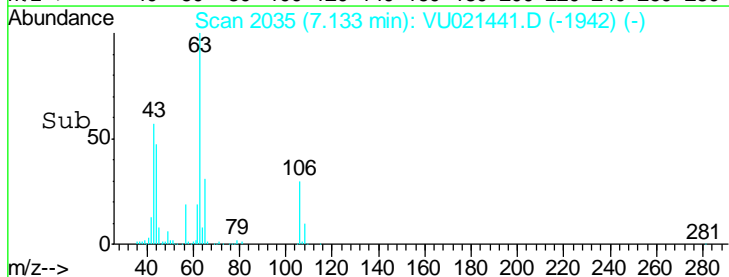
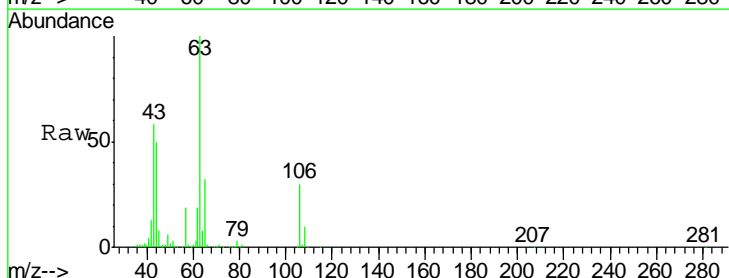
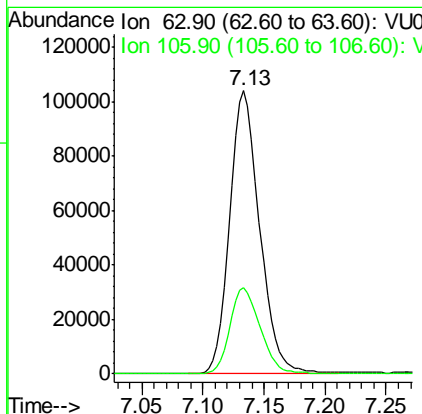
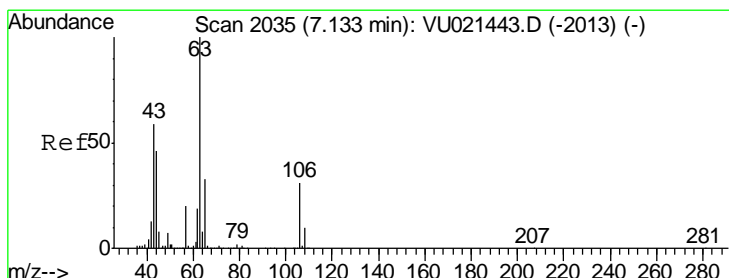
Manual Integrations
 APPROVED

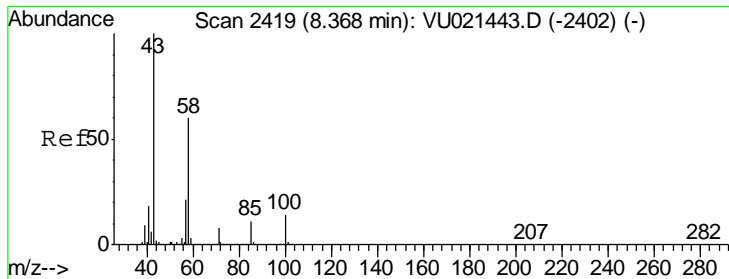
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#58
 2-Chloroethyl Vinyl ether
 Concen: 27.32 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
63	178850		
63	100		
106	30.6	21.8	32.8





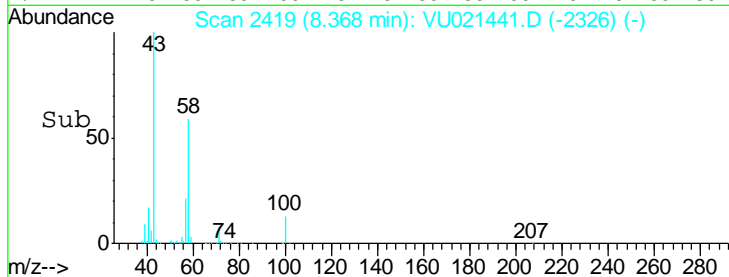
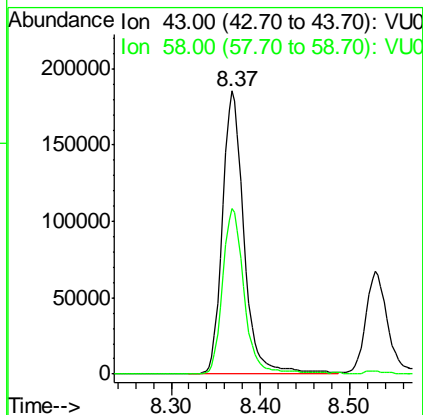
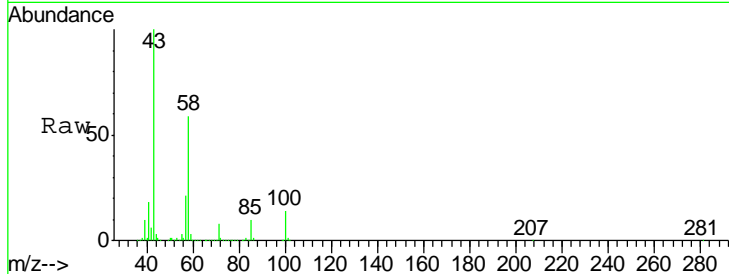
#59
 2-Hexanone
 Concen: 24.90 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
58	58.7	27.9	83.7

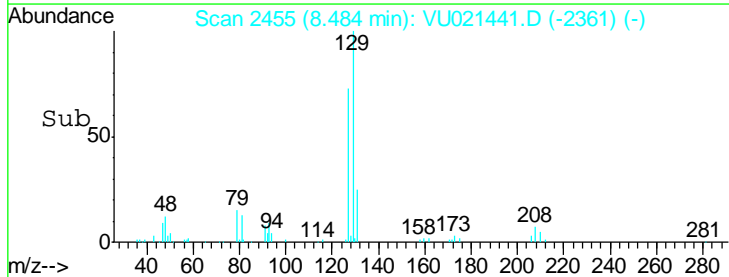
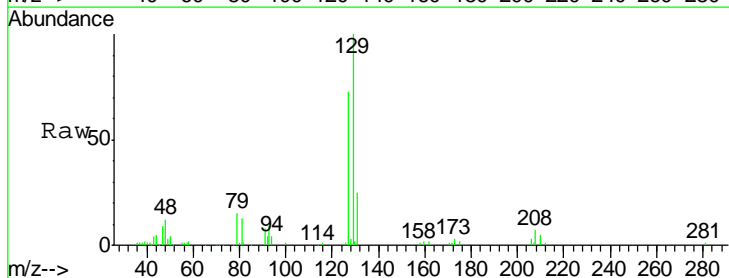
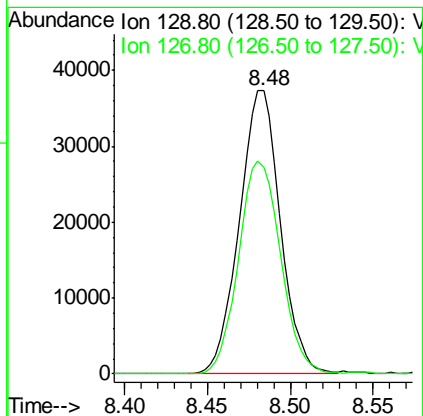
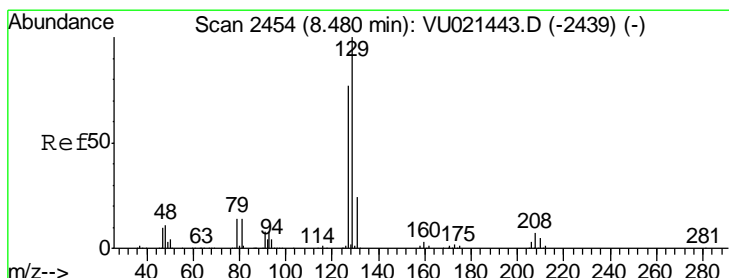
Manual Integrations
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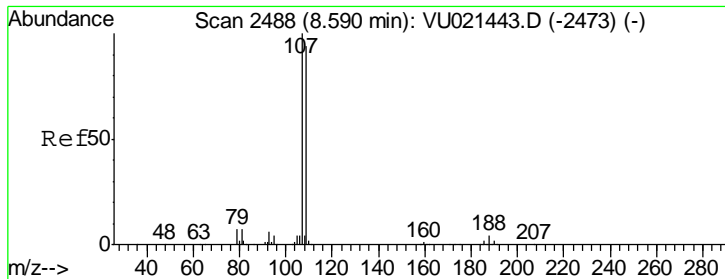
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#60
 Dibromochloromethane
 Concen: 3.87 ug/l
 RT: 8.48 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.2	38.2	114.6





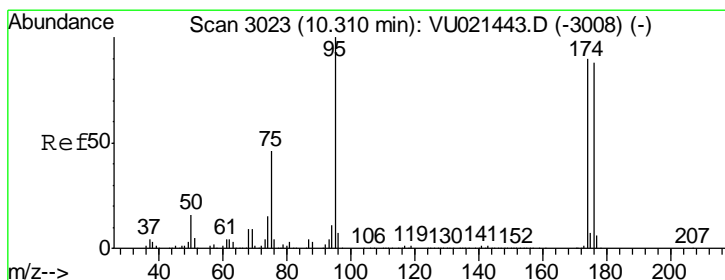
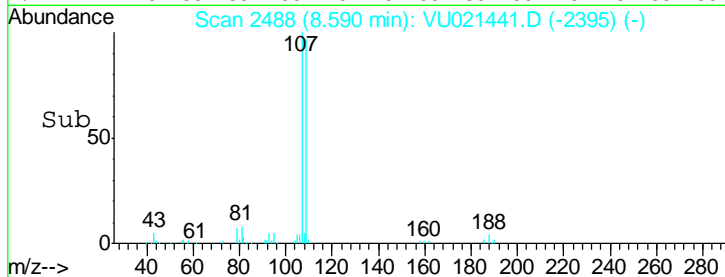
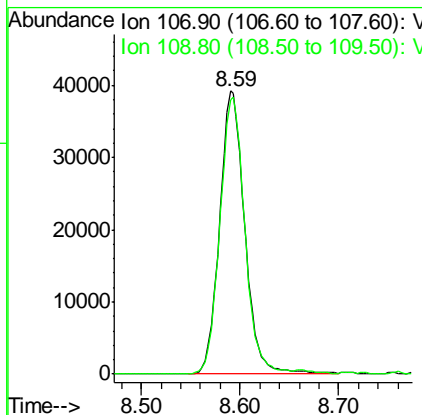
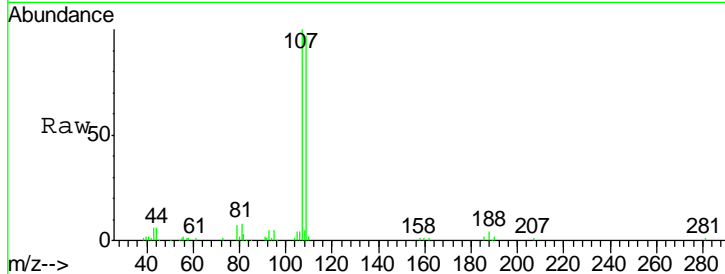
#61
 1,2-Dibromoethane
 Concen: 4.52 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
107	70351		
109	96.7	76.0	114.0

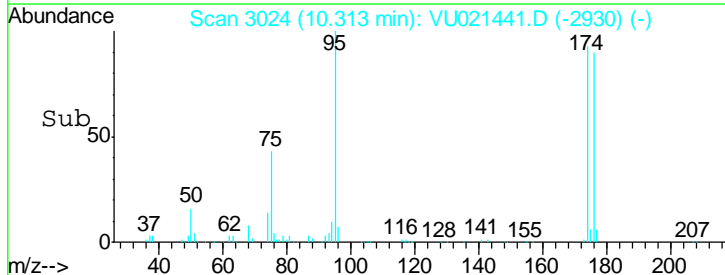
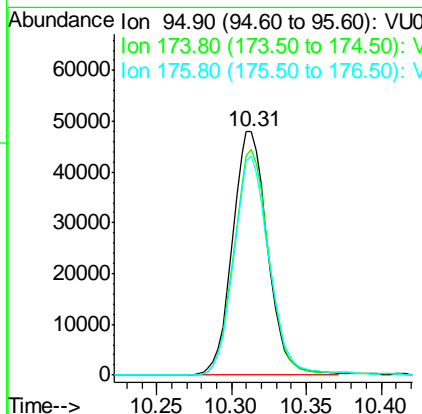
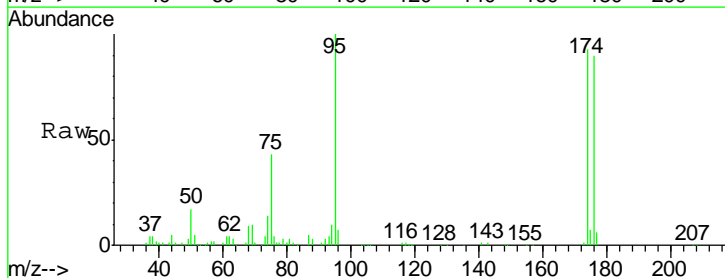
Manual Integrations
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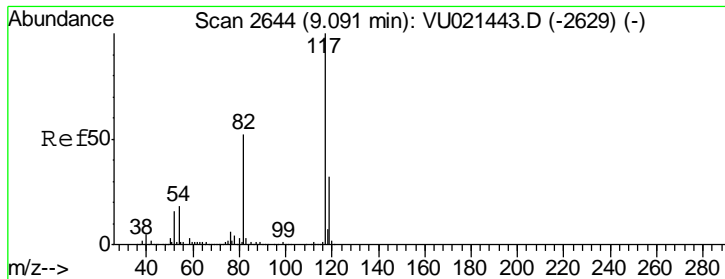
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#62
 4-Bromofluorobenzene
 Concen: 4.19 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

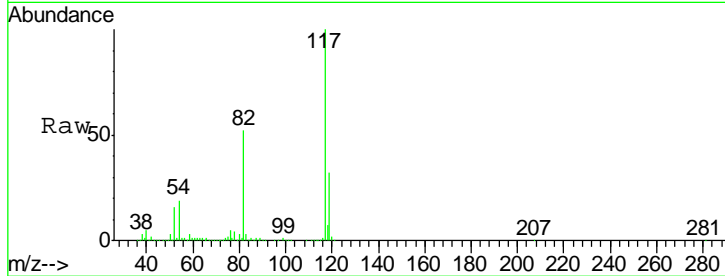
Tgt Ion	Resp	Lower	Upper
95	78220		
174	92.1	0.0	185.4
176	90.0	0.0	178.4





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

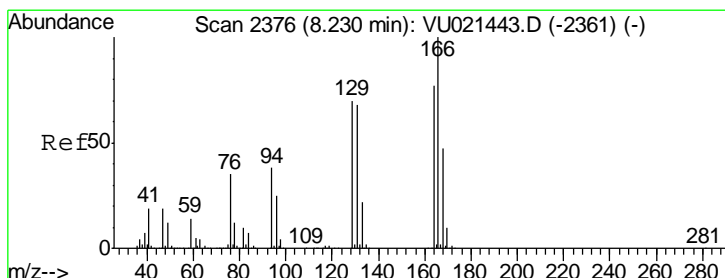
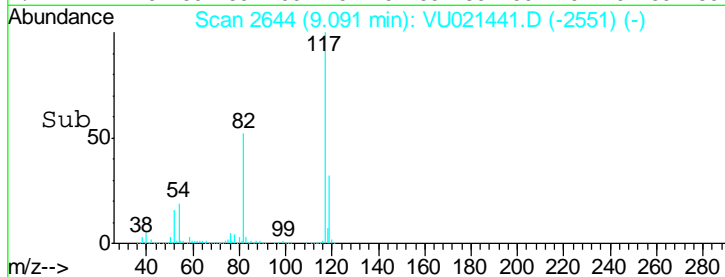
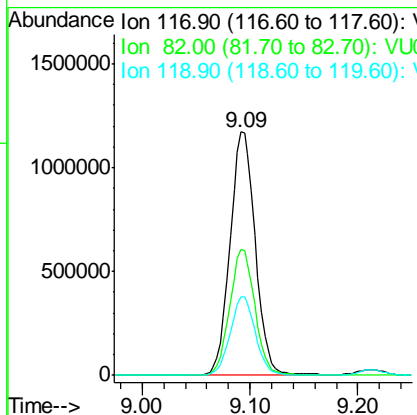


Tgt Ion: 117 Resp: 1922595

Ion	Ratio	Lower	Upper
117	100		
82	52.0	43.0	64.4
119	32.2	25.6	38.4

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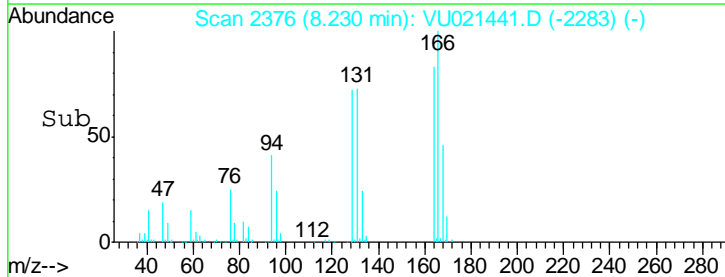
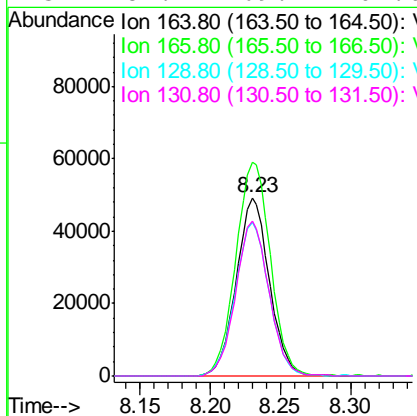
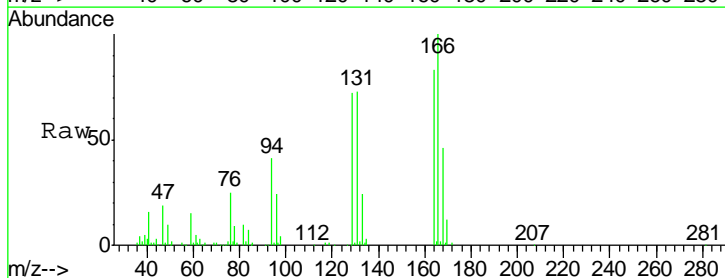
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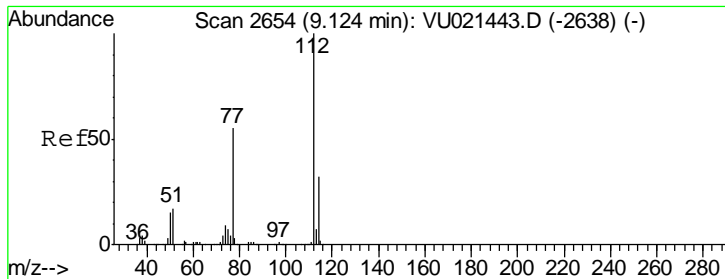


#64
 Tetrachloroethene
 Concen: 4.95 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion: 164 Resp: 80927

Ion	Ratio	Lower	Upper
164	100		
166	120.0	102.3	153.5
129	86.3	71.4	107.2
131	87.2	69.4	104.0





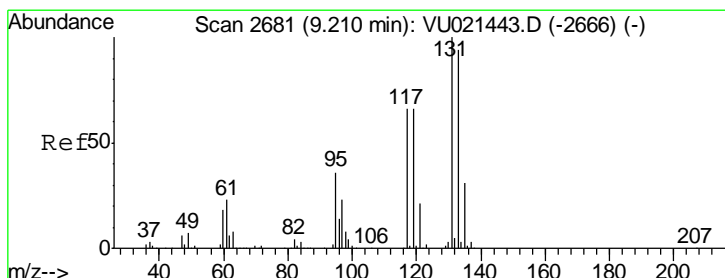
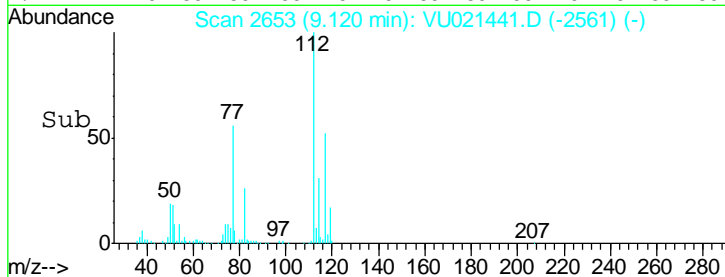
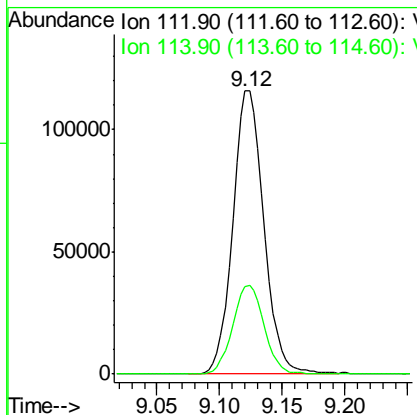
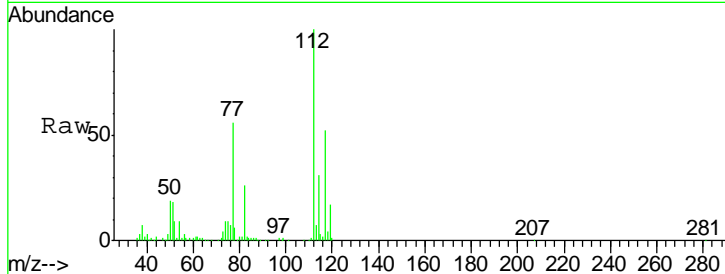
#65
 Chlorobenzene
 Concen: 5.00 ug/l
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
112	199077		
114	31.1	25.6	38.4

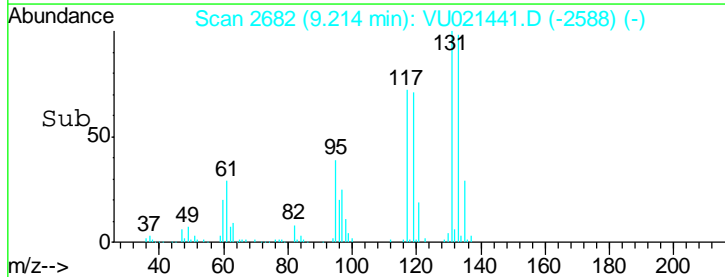
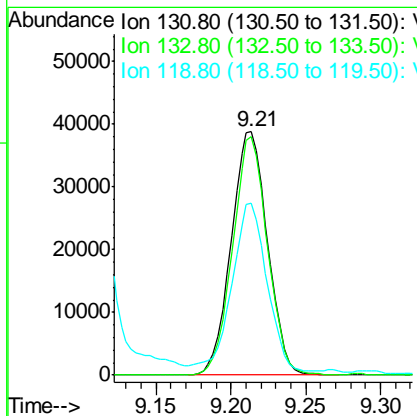
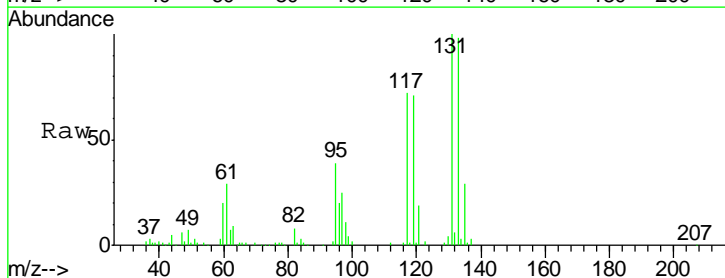
Manual Integrations
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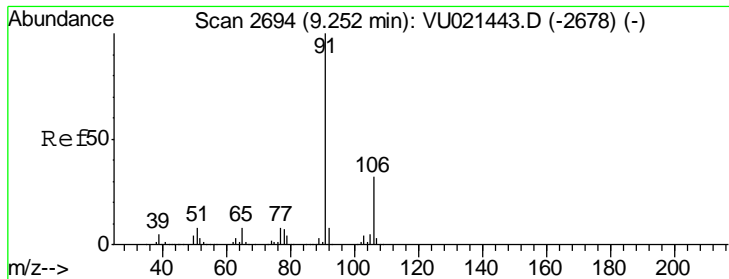
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 4.40 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
131	65257		
133	94.4	47.2	141.6
119	67.8	32.1	96.5





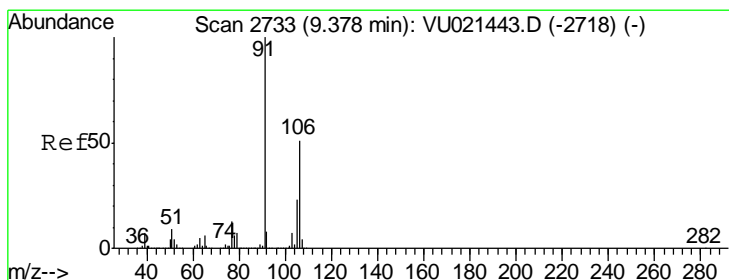
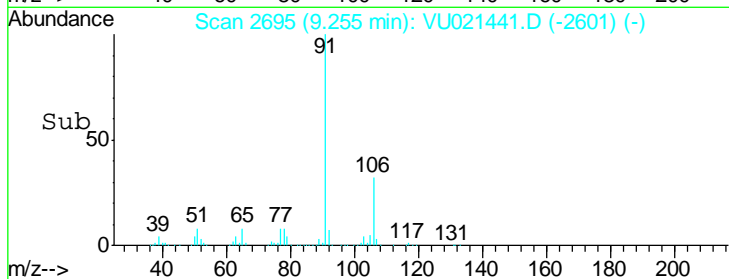
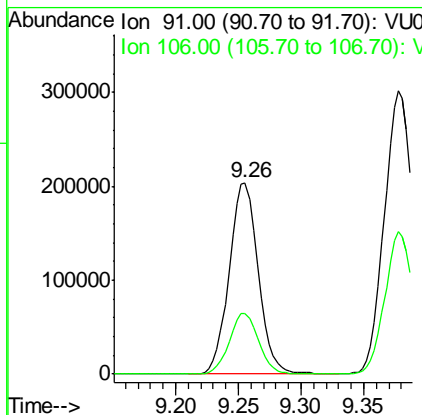
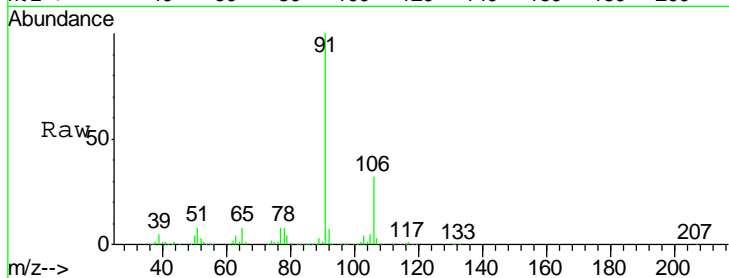
#67
Ethyl Benzene
Concen: 4.92 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU021441.D
Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.7	25.0	37.4

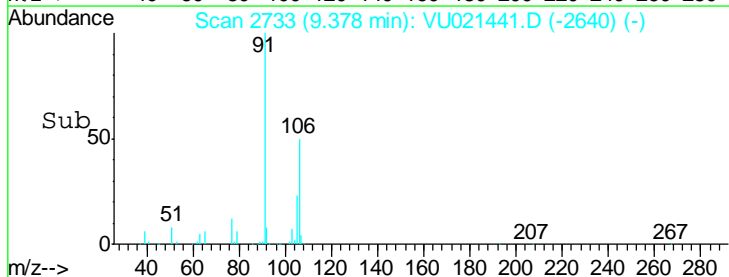
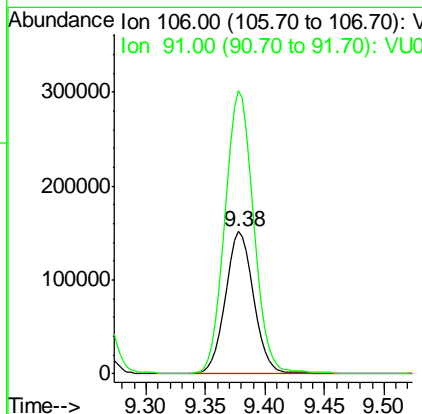
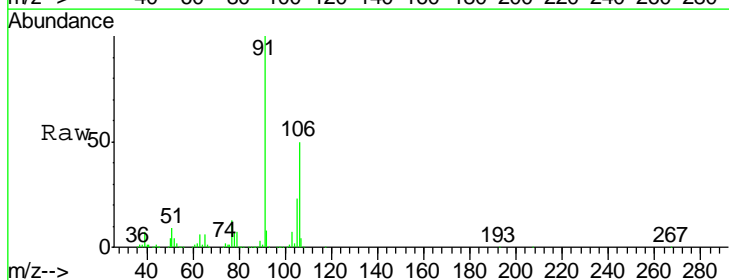
Manual Integrations
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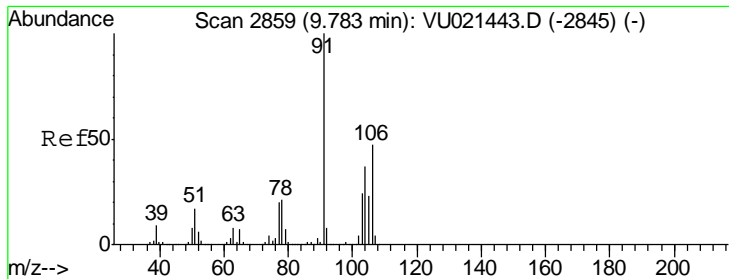
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#68
m/p-Xylenes
Concen: 9.49 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU021441.D
Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
106	100		
91	202.2	160.2	240.4





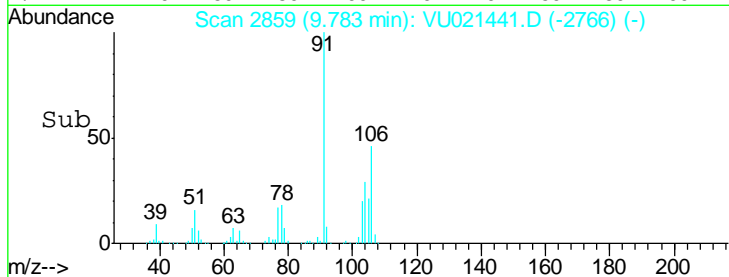
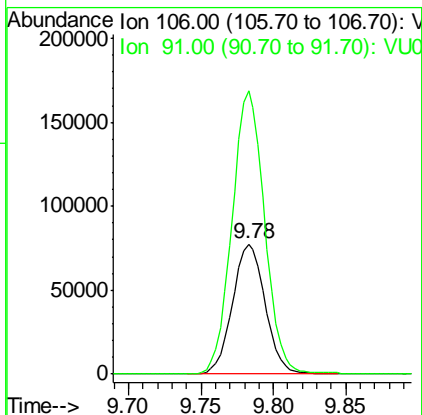
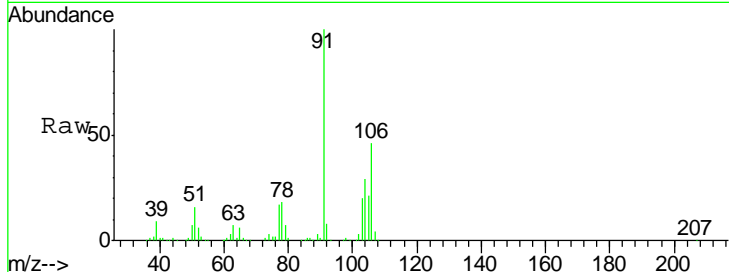
#69
 o-Xylene
 Concen: 4.70 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
106	121424		
106	100		
91	216.3	106.7	320.1

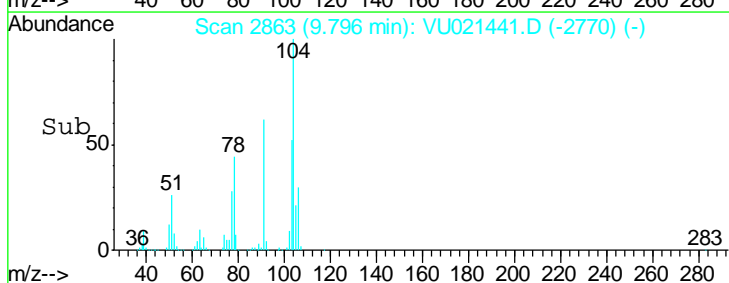
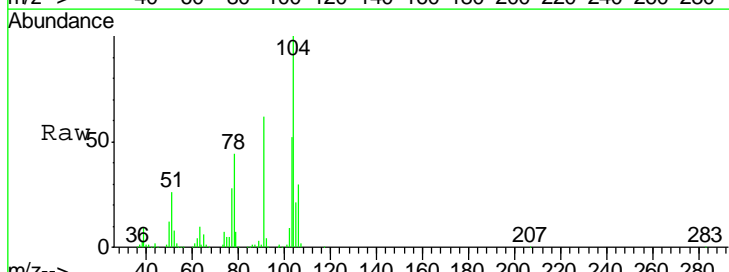
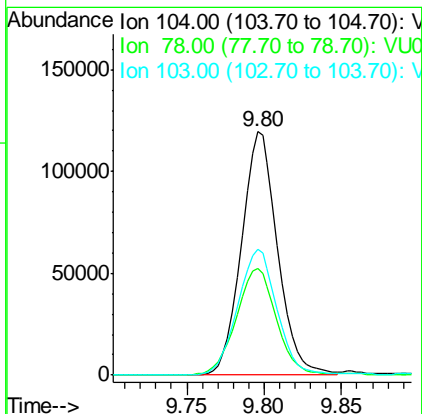
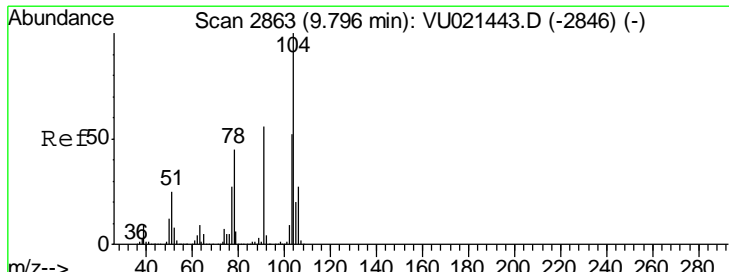
Manual Integrations
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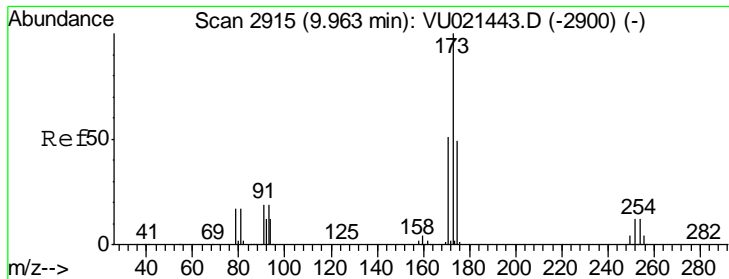
1/4/2018 11:18:38 AM



#70
 Styrene
 Concen: 4.61 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

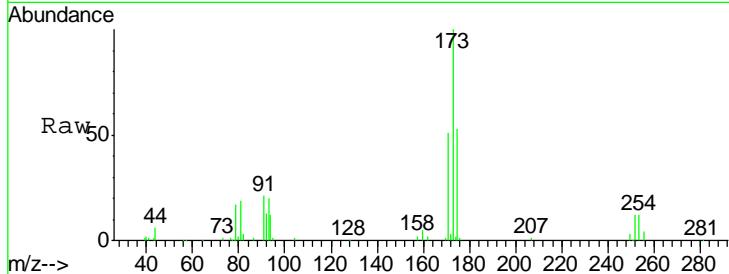
Tgt Ion	Resp	Lower	Upper
104	194504		
104	100		
78	48.4	38.4	57.6
103	56.7	44.0	66.0





#71
 Bromoform
 Concen: 3.67 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

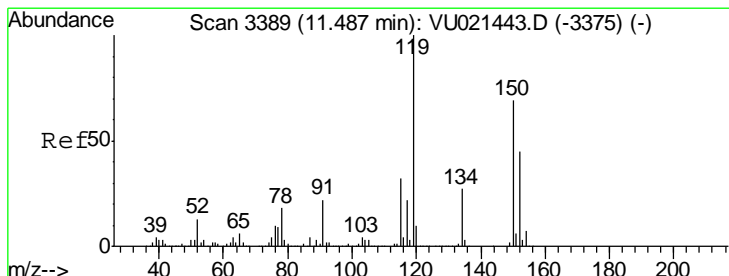
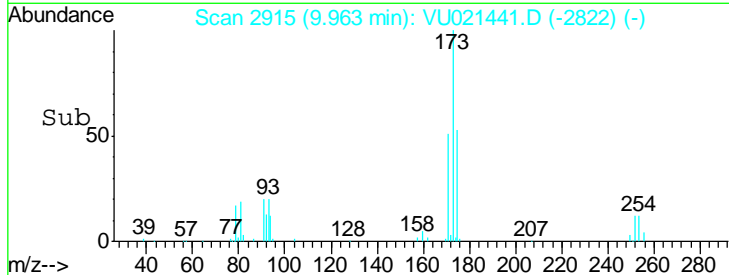
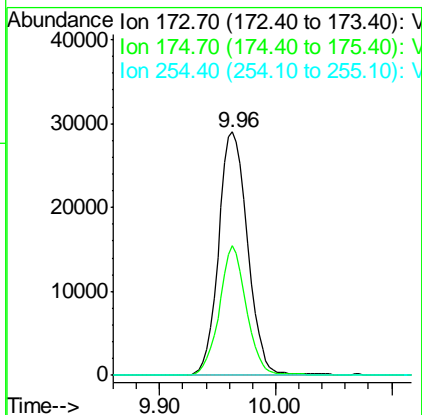
Instrument : MSVOA_U
 ClientSampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
173	50169		
173	100		
175	49.2	24.6	73.6
254	0.0	0.1	0.1#

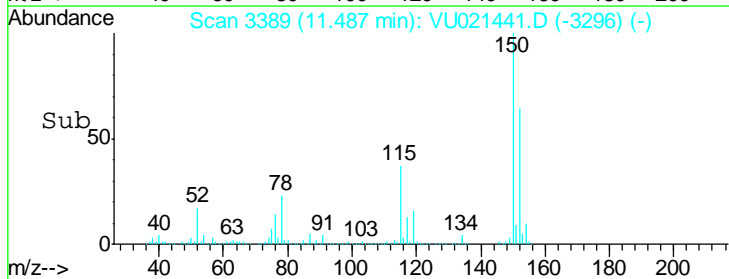
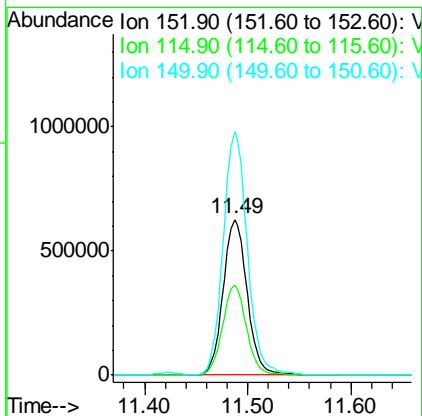
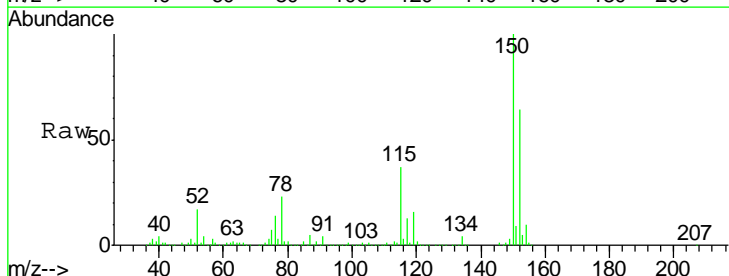
Manual Integrations
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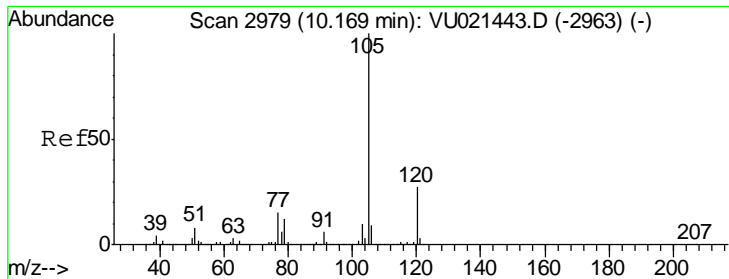
1/4/2018 11:18:38 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
152	1015764		
152	100		
115	57.9	38.2	114.6
150	157.4	0.0	346.2





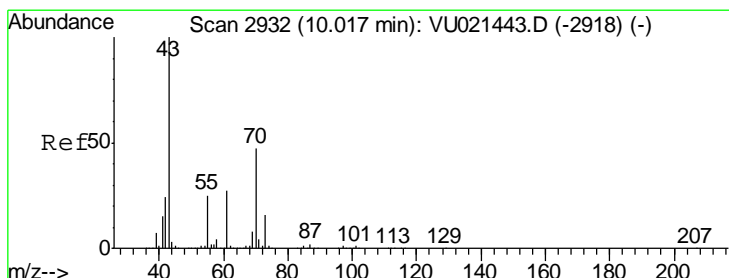
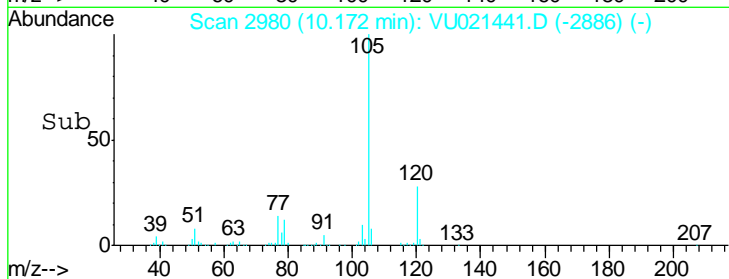
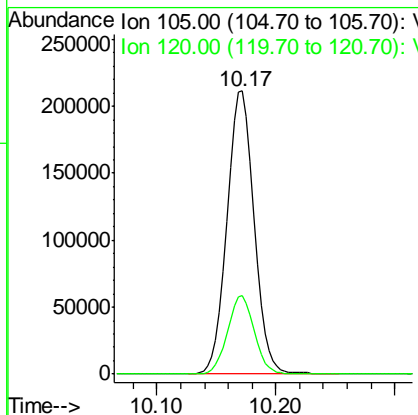
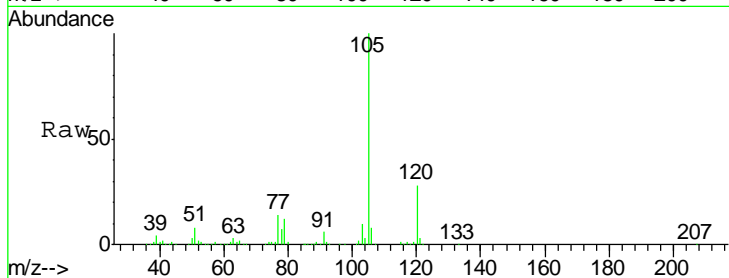
#73
 Isopropylbenzene
 Concen: 5.14 ug/l
 RT: 10.17 min Scan# 2980
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	334305		
105	100		
120	27.4	13.3	39.9

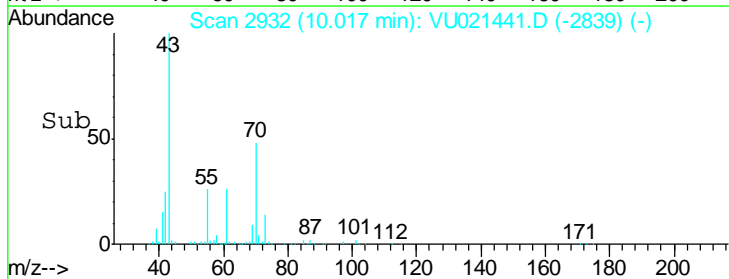
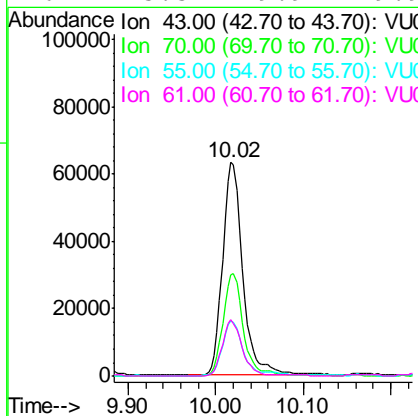
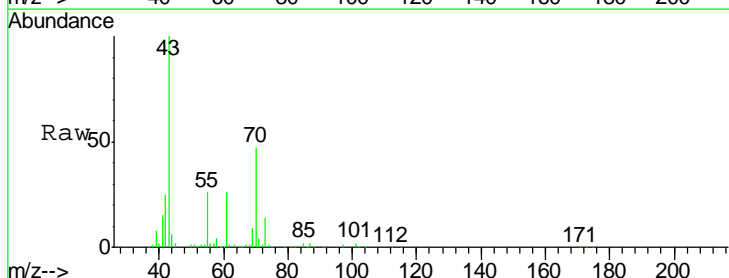
Manual Integrations
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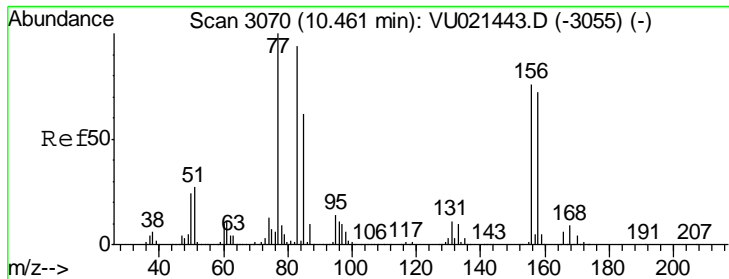
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#74
 N-nyl acetate
 Concen: 5.22 ug/l
 RT: 10.02 min Scan# 2932
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
43	102445		
43	100		
70	48.3	35.6	53.4
55	27.7	21.8	32.6
61	25.5	19.9	29.9





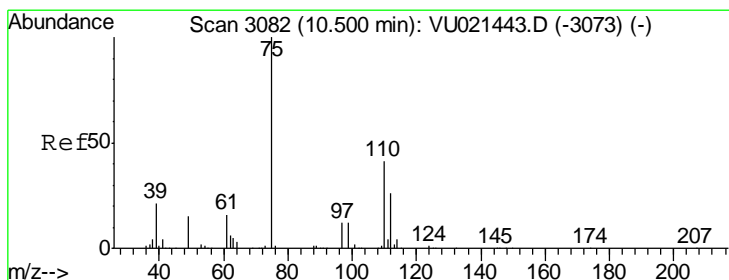
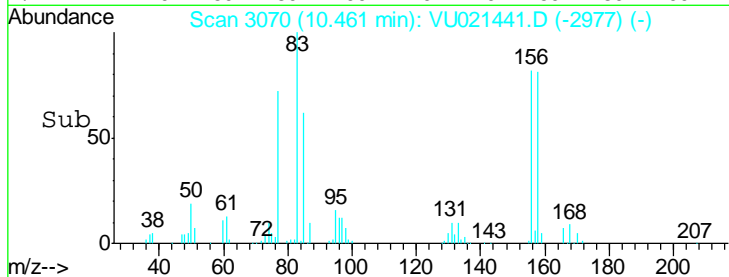
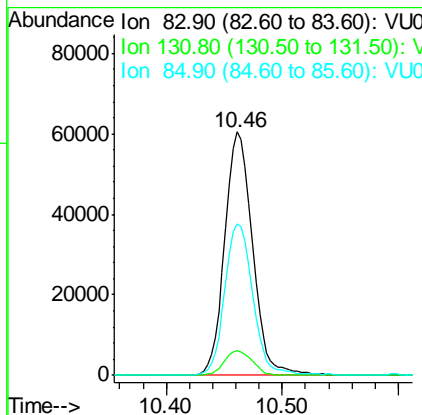
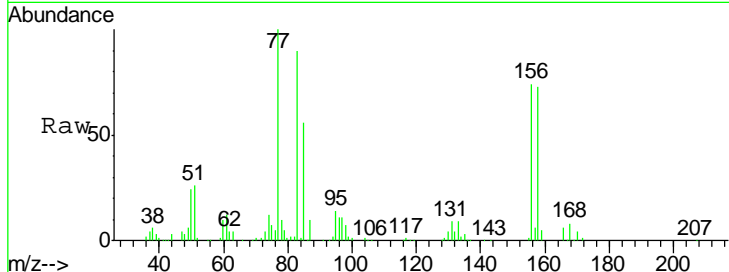
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.18 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.2	4.9	14.7
85	63.0	32.2	96.6

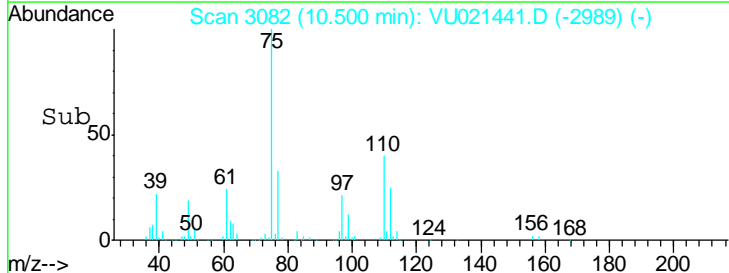
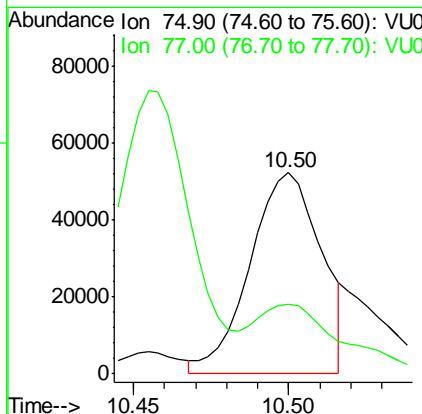
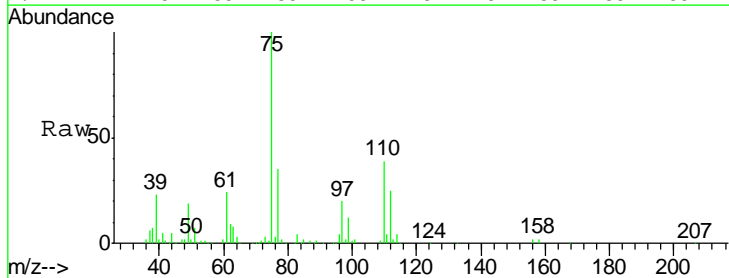
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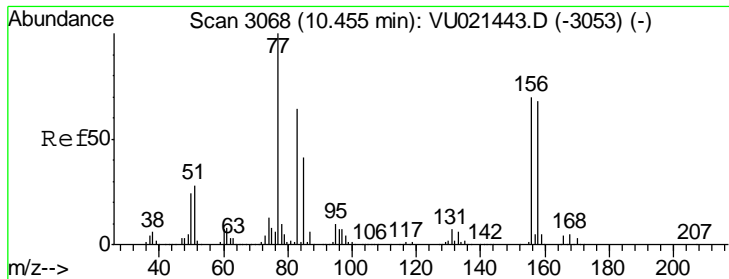
sam
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#76
 1,2,3-Trichloropropane
 Concen: 5.29 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
75	100		
77	43.8	21.3	63.7





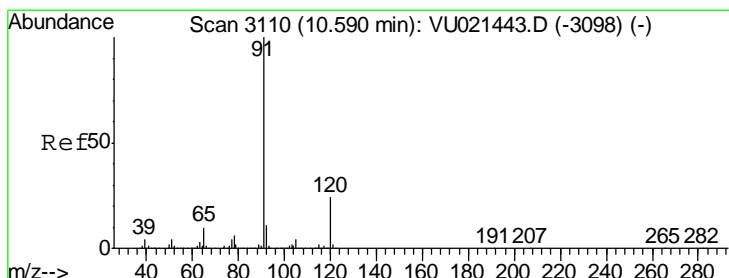
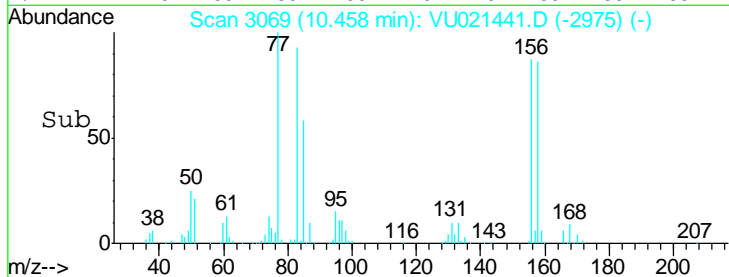
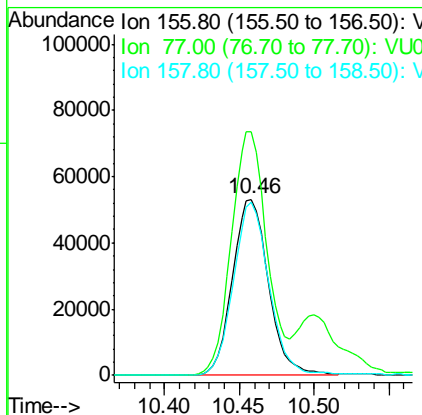
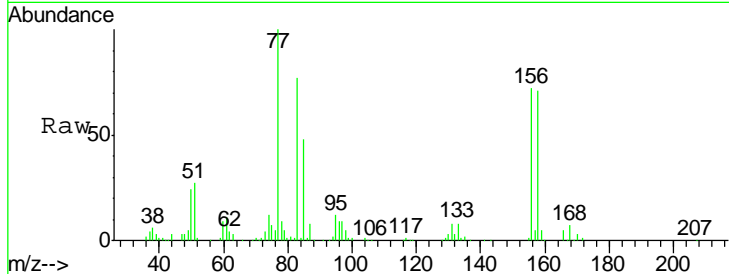
#77
 Bromobenzene
 Concen: 4.90 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
156	89303		
77	137.2	71.4	214.1
158	98.0	48.5	145.6

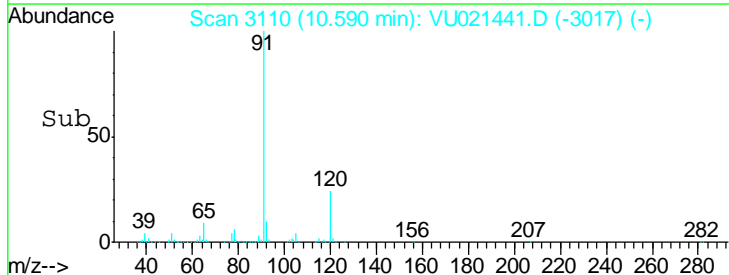
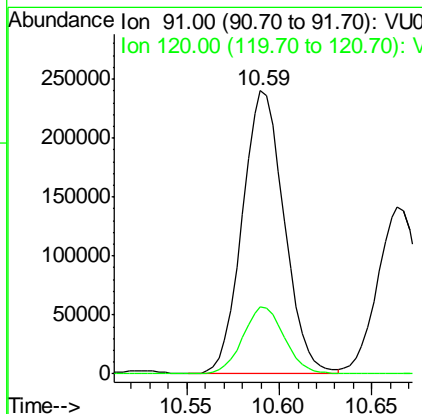
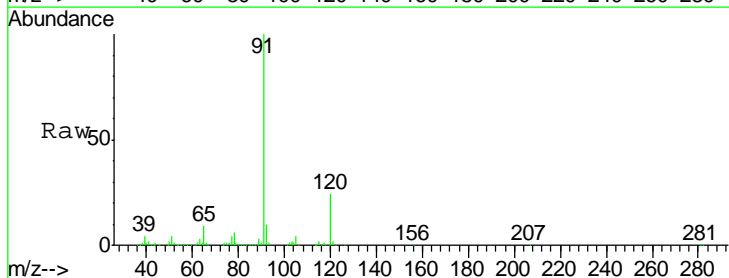
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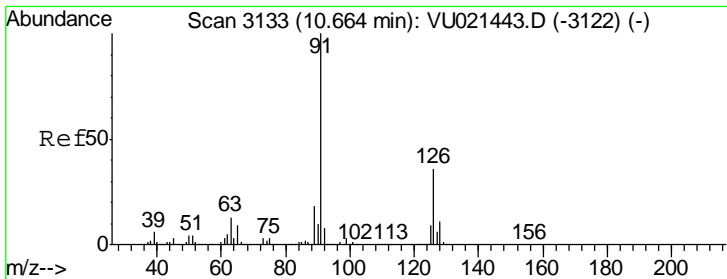
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#78
 n-propylbenzene
 Concen: 5.26 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
91	374992		
120	23.7	11.8	35.4





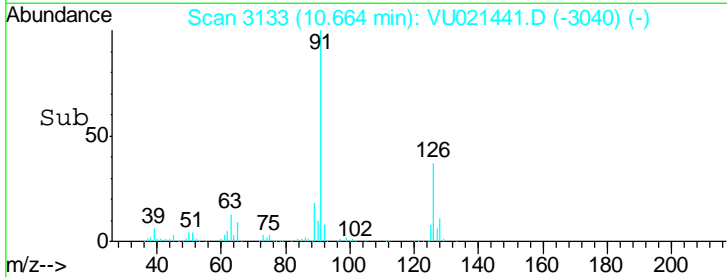
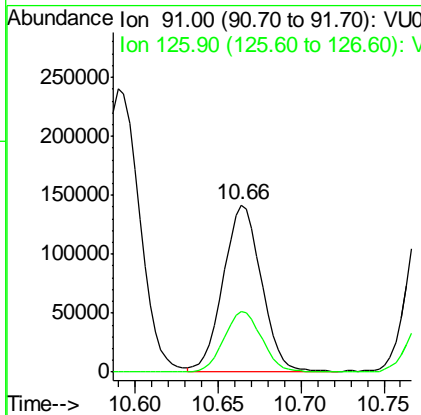
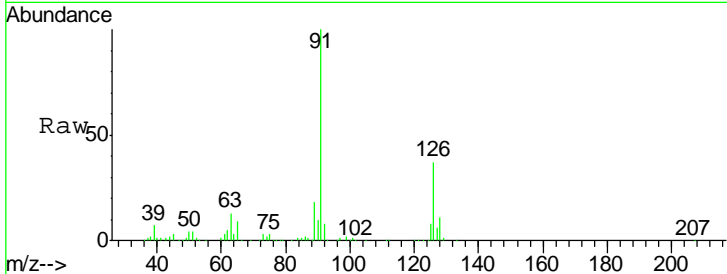
#79
 2-Chlorotoluene
 Concen: 5.31 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
126	36.0	17.6	52.9

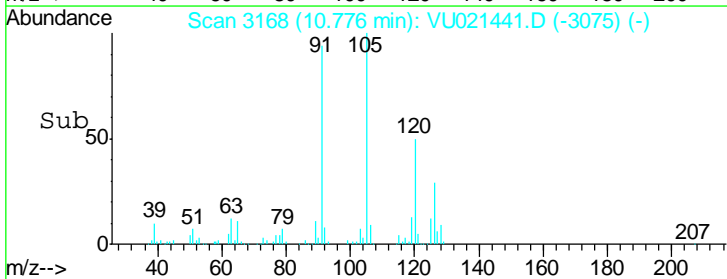
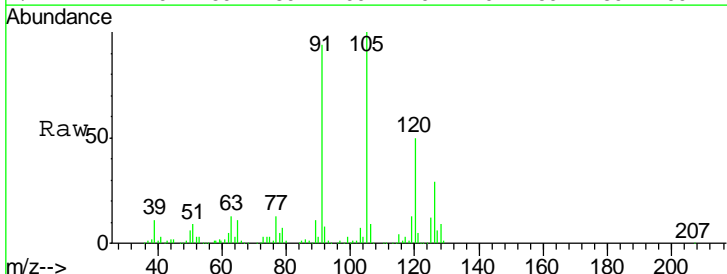
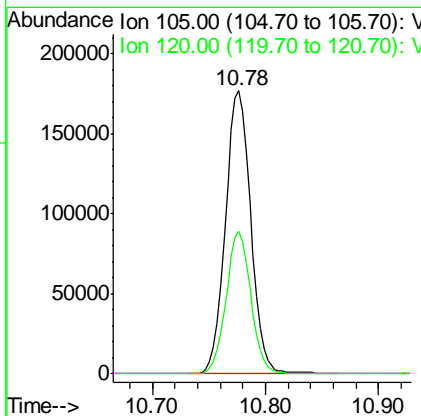
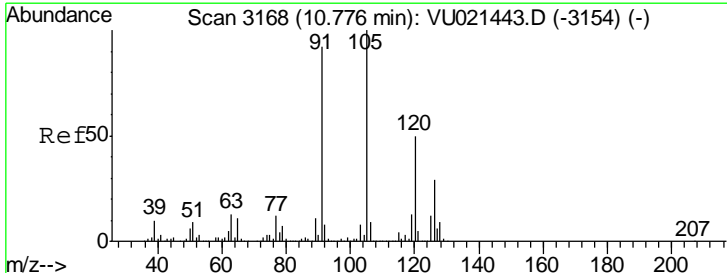
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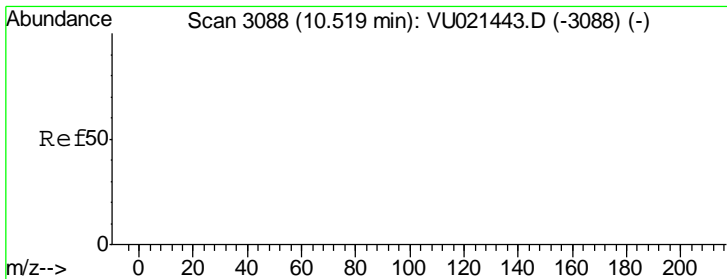
sam
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.08 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.0	24.6	74.0





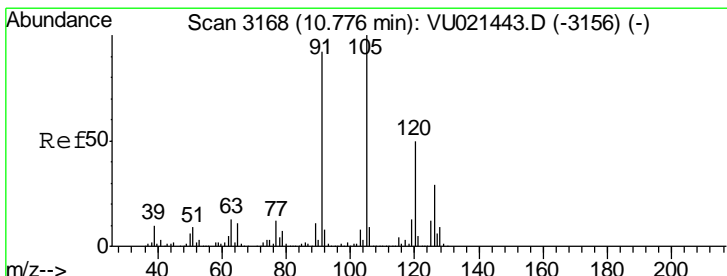
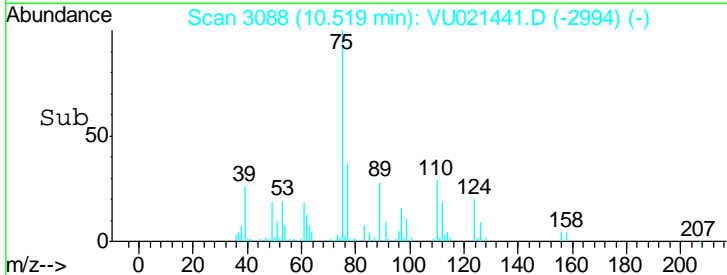
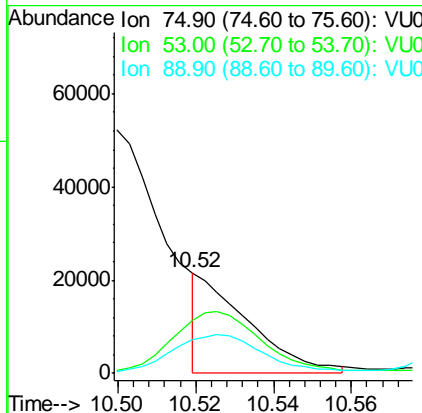
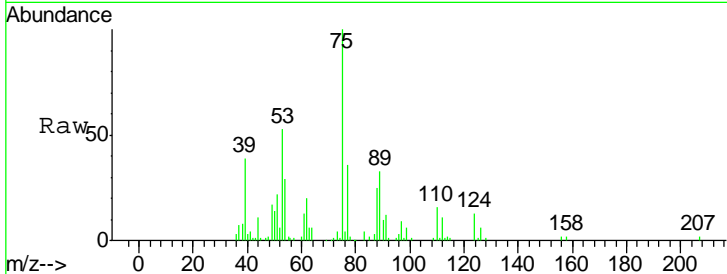
#81
 trans-1,4-Dichloro-2-butene
 Concen: 3.36 ug/l m
 RT: 10.52 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

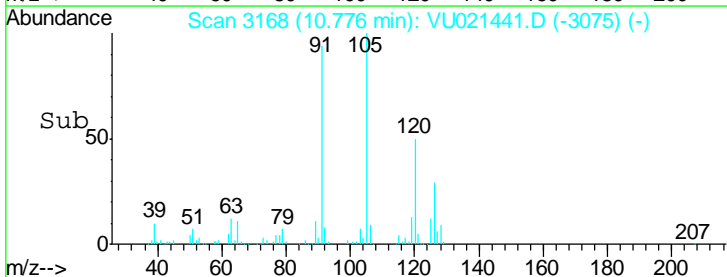
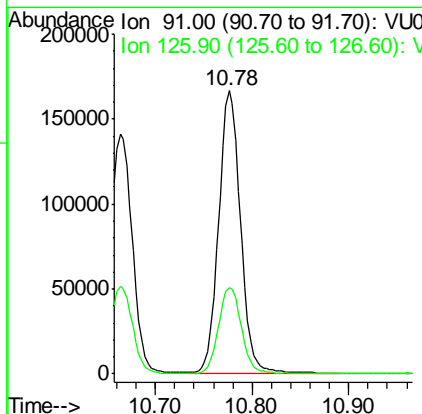
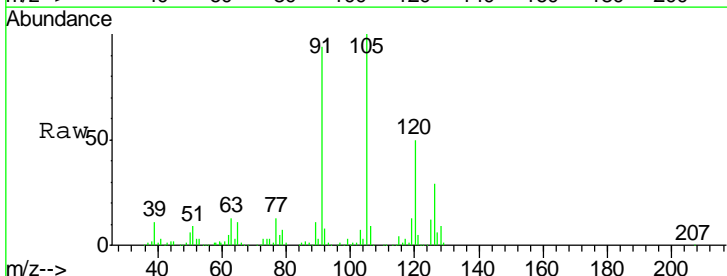
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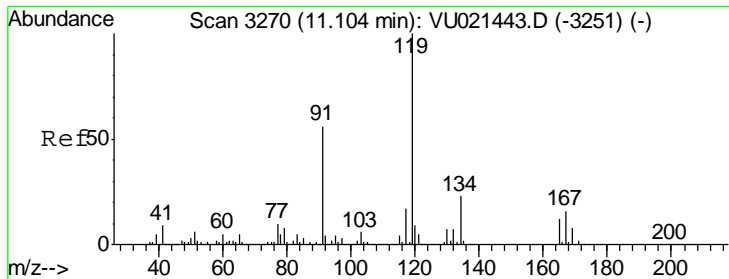
sam
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#82
 4-Chlorotoluene
 Concen: 5.27 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

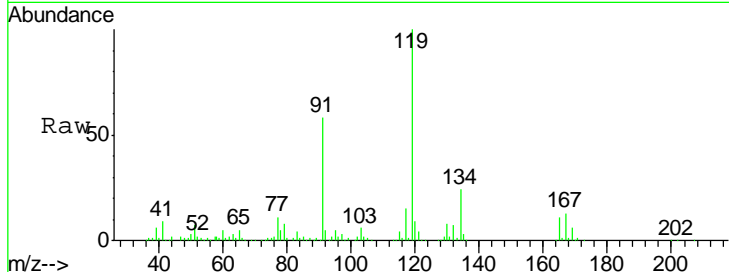
Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.2	45.6





#83
 tert-Butylbenzene
 Concen: 4.86 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

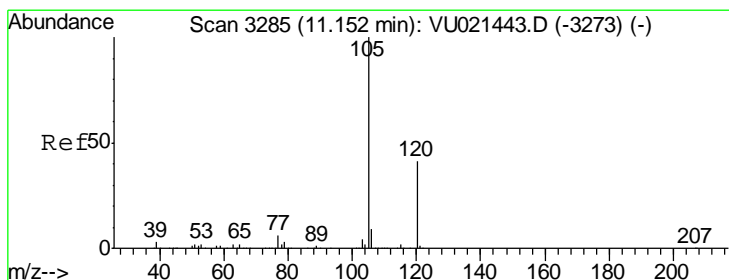
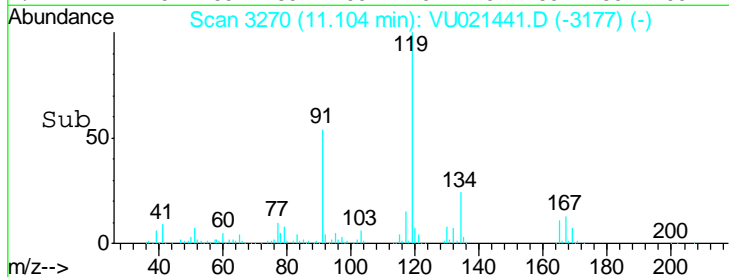
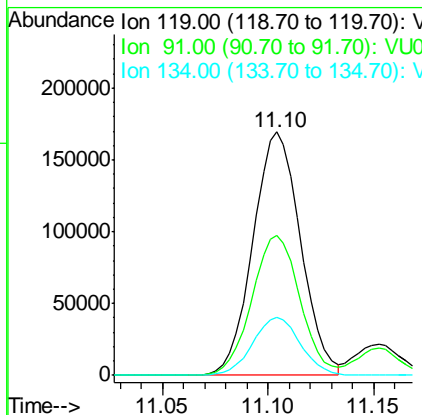


Tgt Ion: 119 Resp: 266288

Ion	Ratio	Lower	Upper
119	100		
91	57.7	28.7	86.3
134	24.0	11.8	35.3

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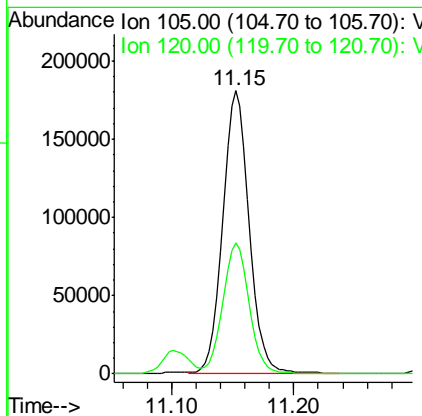
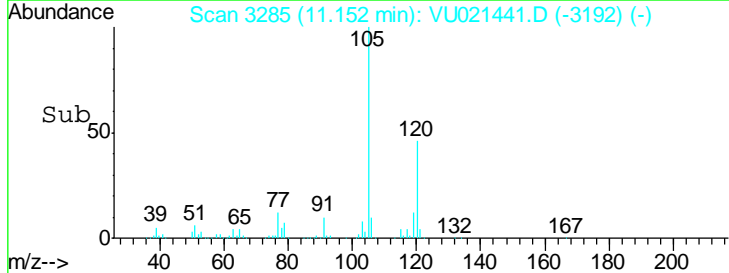
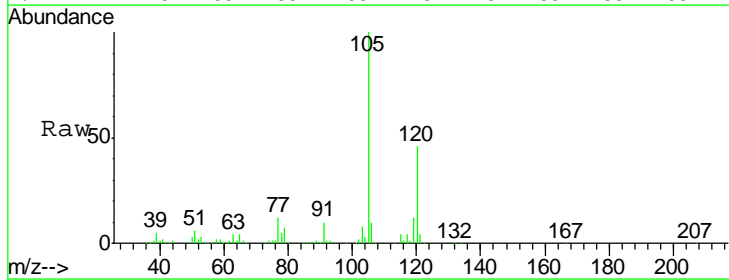
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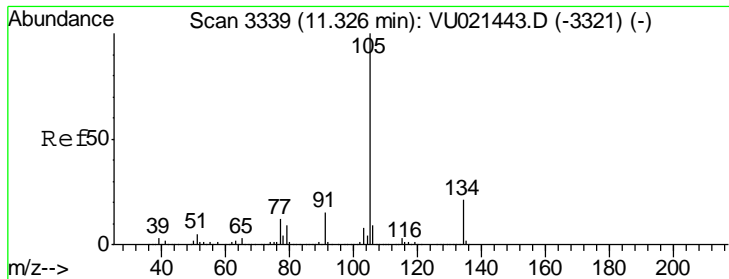


#84
 1,2,4-Trimethylbenzene
 Concen: 5.05 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion: 105 Resp: 275022

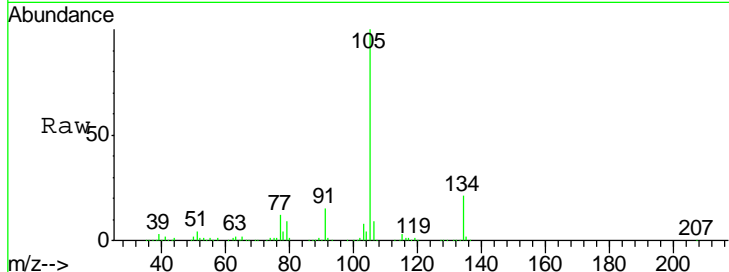
Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.5





#85
 sec-Butylbenzene
 Concen: 5.08 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

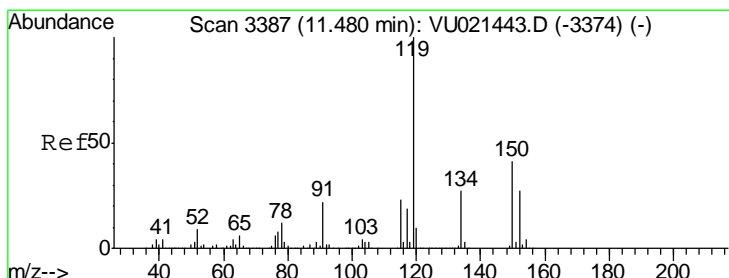
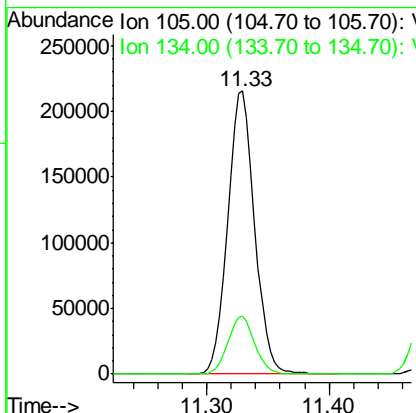
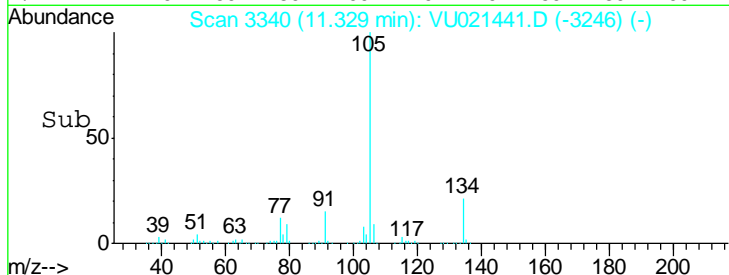
Instrument : MSVOA_U
 ClientSampled : VSTDIC005



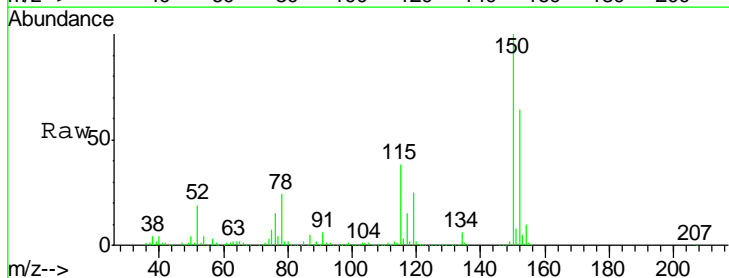
Tgt Ion: 105 Resp: 332650
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.3

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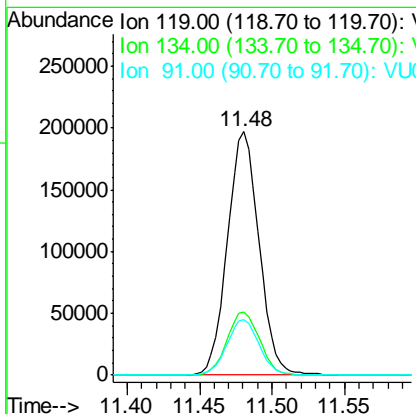
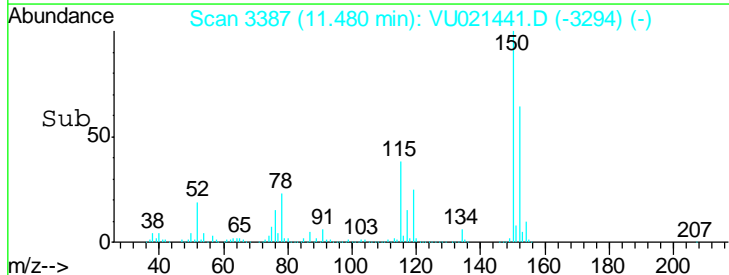
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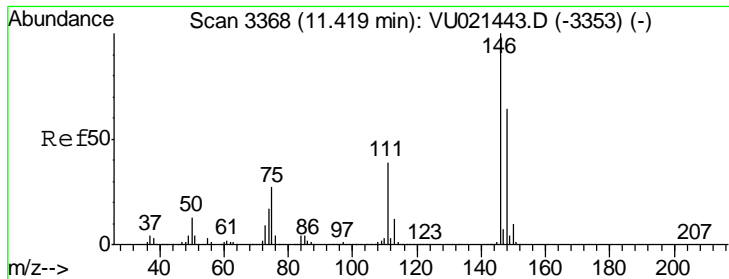


#86
 p-Isopropyltoluene
 Concen: 4.95 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21



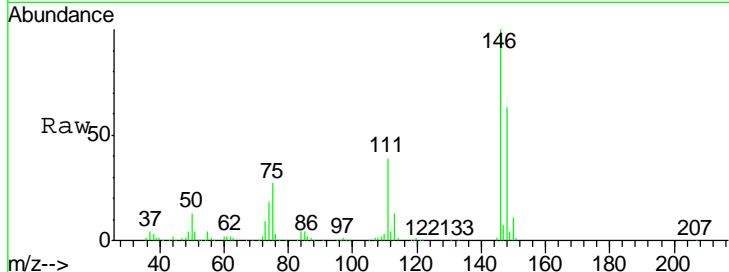
Tgt Ion: 119 Resp: 296443
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.6 40.8
 91 23.3 11.5 34.5





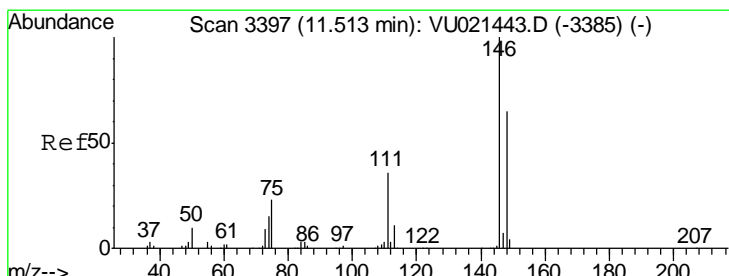
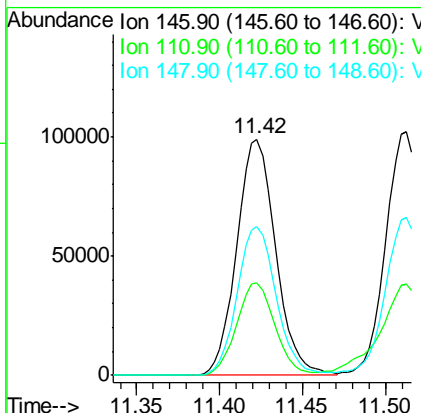
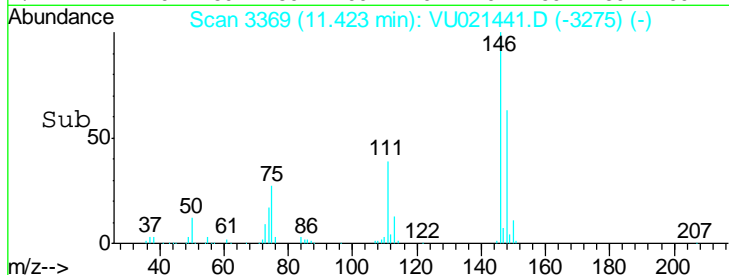
#87
 1,3-Dichlorobenzene
 Concen: 4.84 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

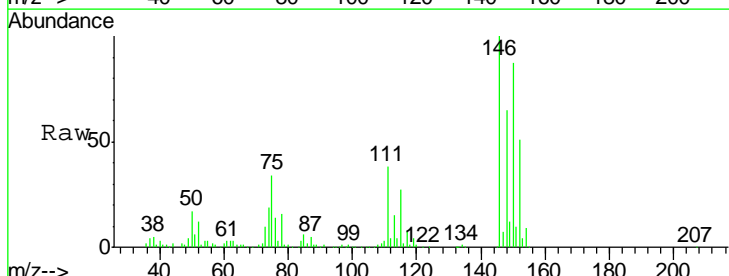


Tgt Ion	Resp	Lower	Upper
146	161905		
146	100		
111	38.6	18.8	56.3
148	63.0	32.0	96.2

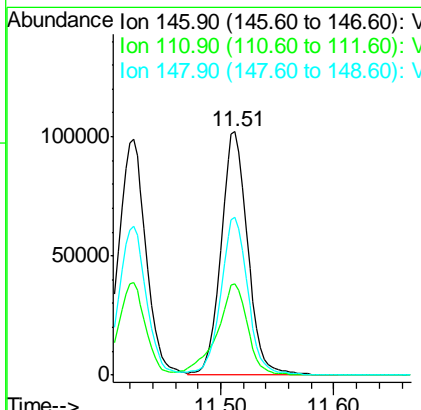
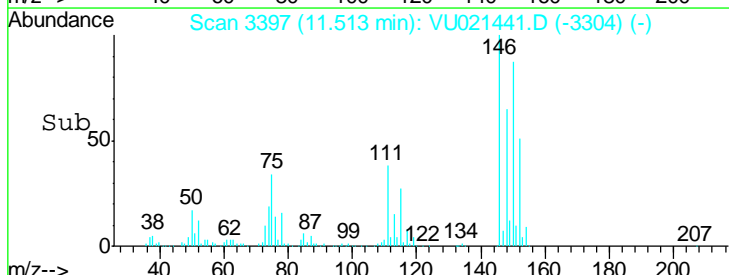
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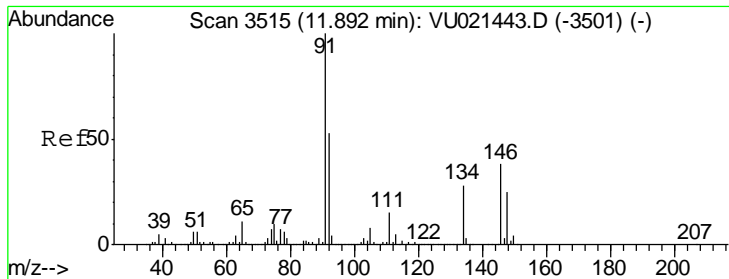


#88
 1,4-Dichlorobenzene
 Concen: 4.88 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21



Tgt Ion	Resp	Lower	Upper
146	167276		
146	100		
111	43.6	18.4	55.2
148	66.4	31.9	95.9





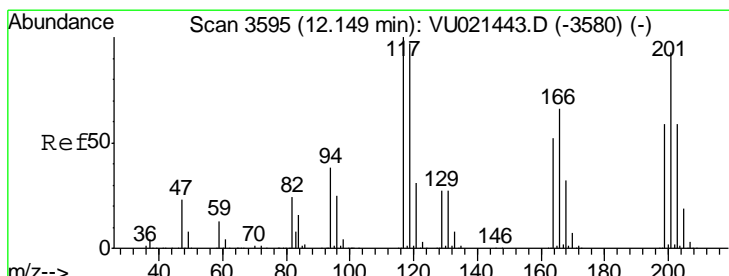
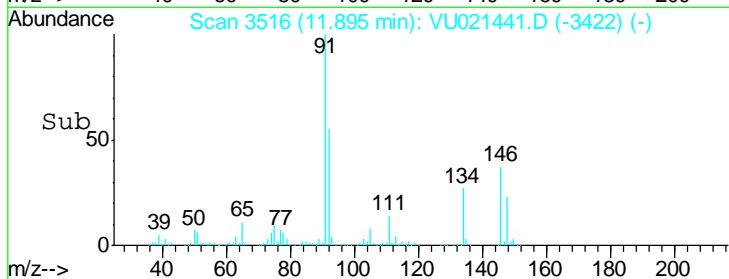
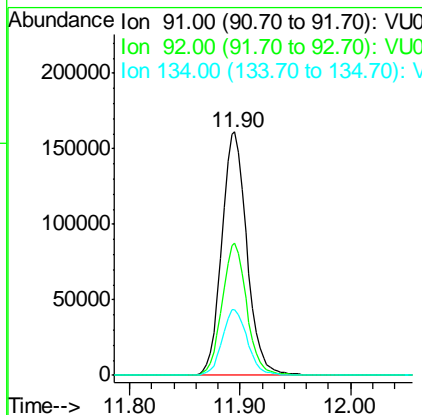
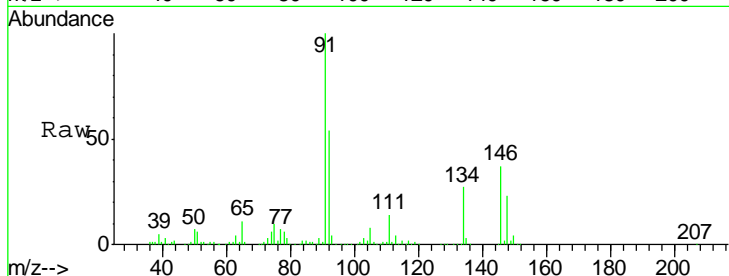
#89
 n-Butylbenzene
 Concen: 5.17 ug/l
 RT: 11.90 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
92	53.3	26.2	78.5
134	27.1	13.0	38.9

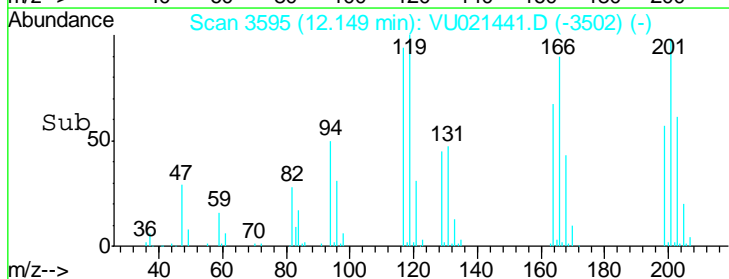
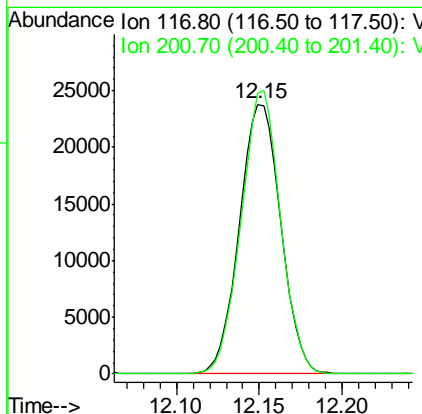
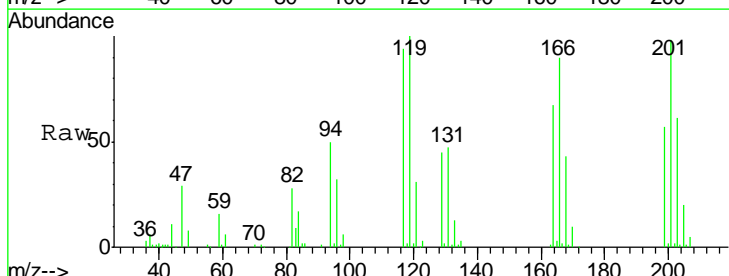
Manual Integrations
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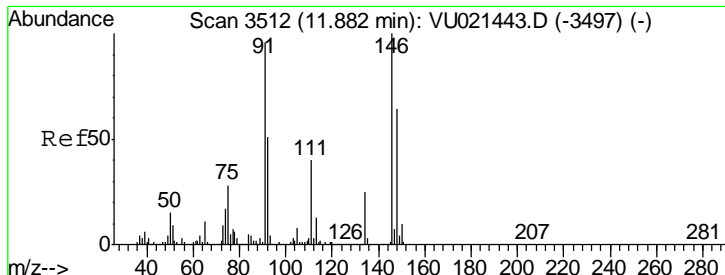
sam
 1/4/2018 11:18:38 AM



#90
 Hexachloroethane
 Concen: 3.91 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

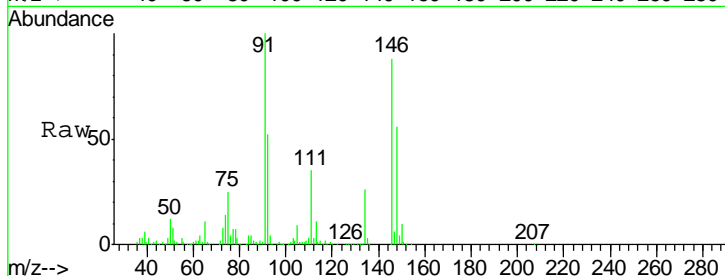
Tgt Ion	Resp	Lower	Upper
117	100		
201	99.8	44.5	133.7





#91
 1,2-Dichlorobenzene
 Concen: 4.87 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

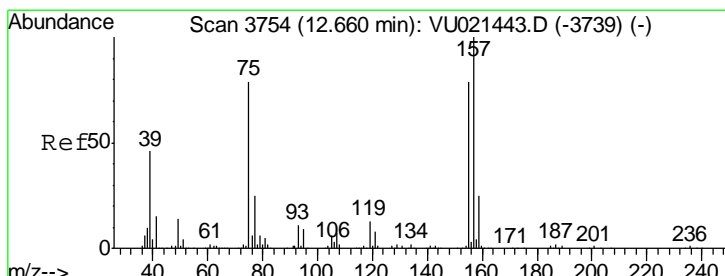
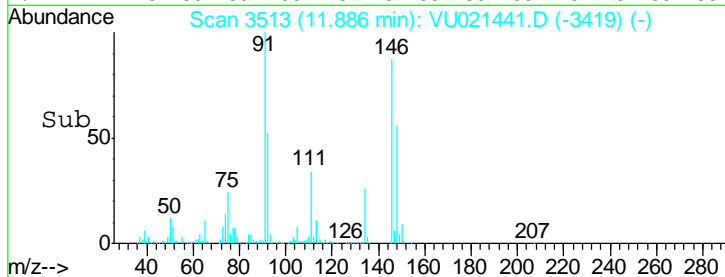
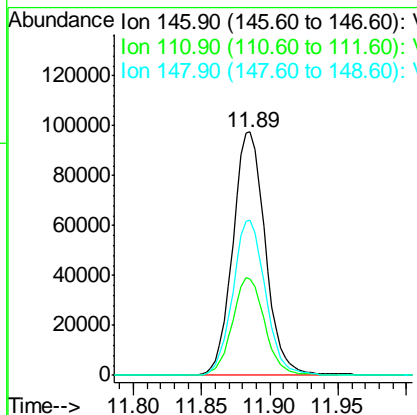
Instrument : MSVOA_U
 ClientSampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
146	161370		
146	100		
111	40.1	19.4	58.1
148	64.0	32.0	96.2

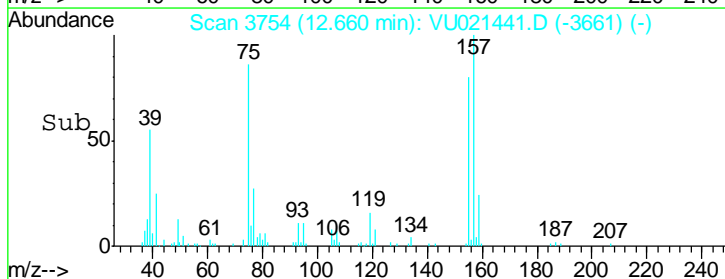
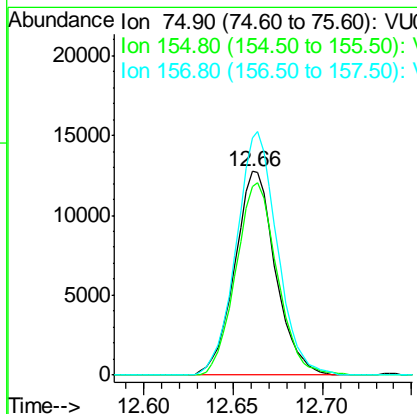
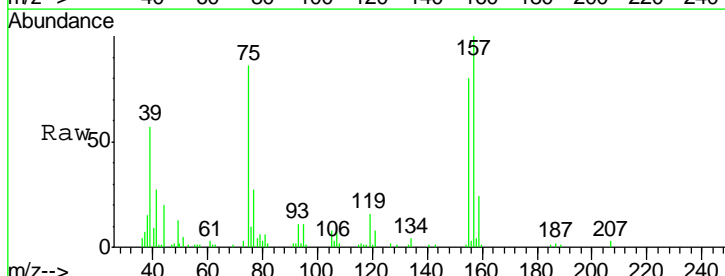
Manual Integrations
 APPROVED

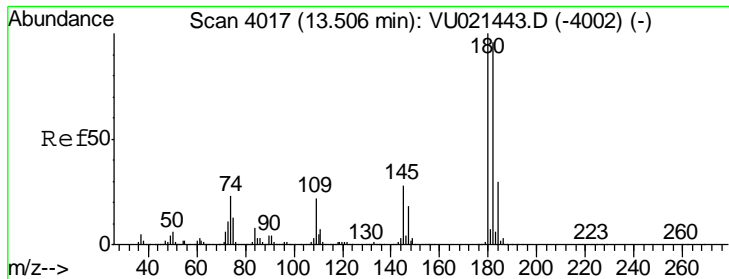
1/4/2018 11:18:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.97 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
75	20376		
75	100		
155	95.6	47.9	143.7
157	120.0	60.9	182.6





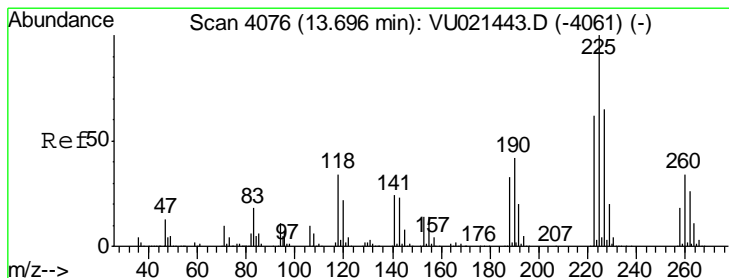
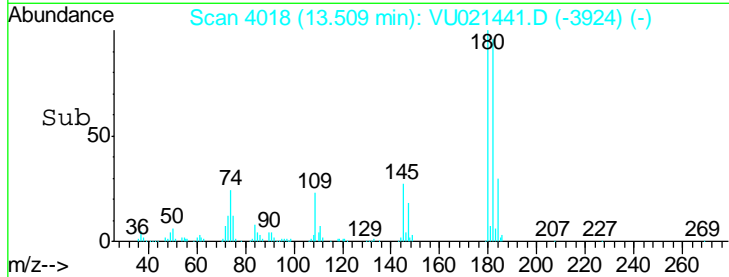
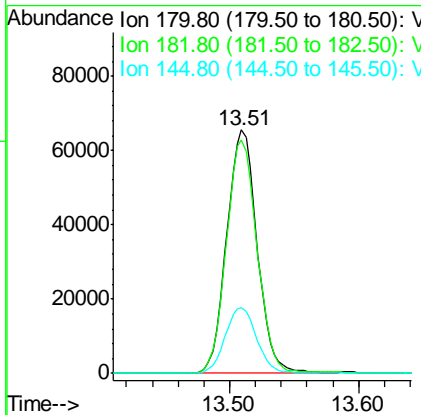
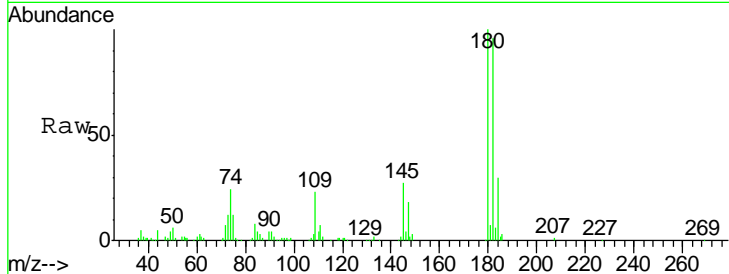
#93
 1,2,4-Trichlorobenzene
 Concen: 4.91 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
180	107590		
182	96.2	48.3	144.8
145	27.9	14.2	42.6

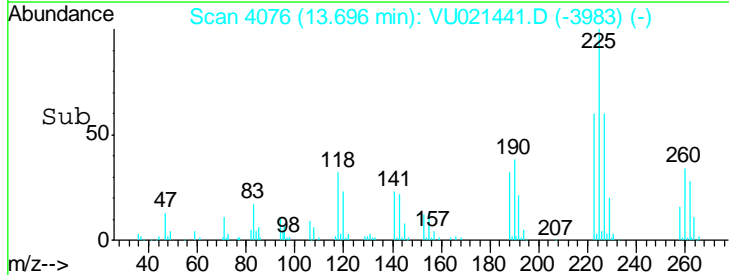
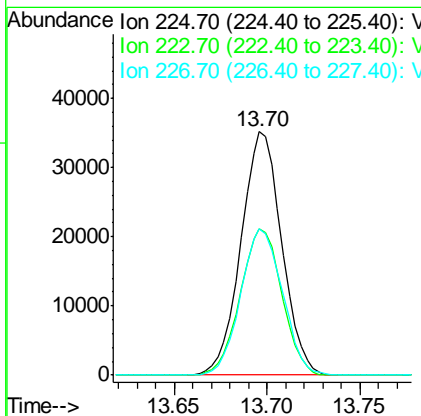
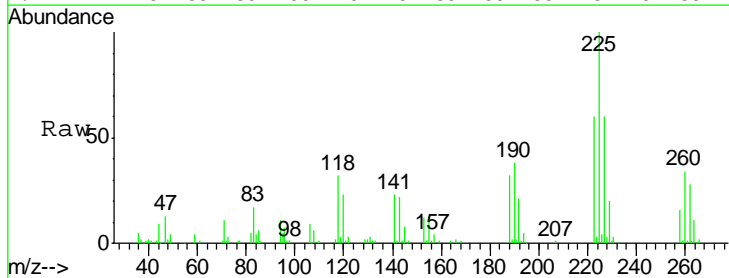
Manual Integrations
 APPROVED

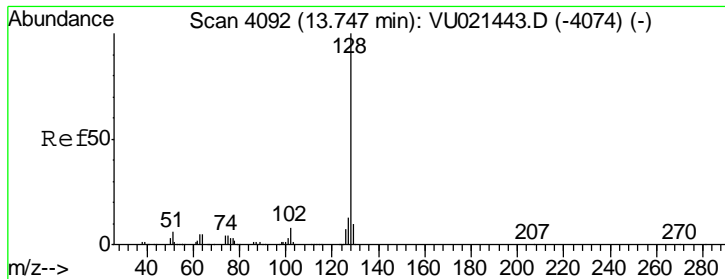
sam
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#94
 Hexachlorobutadiene
 Concen: 4.42 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

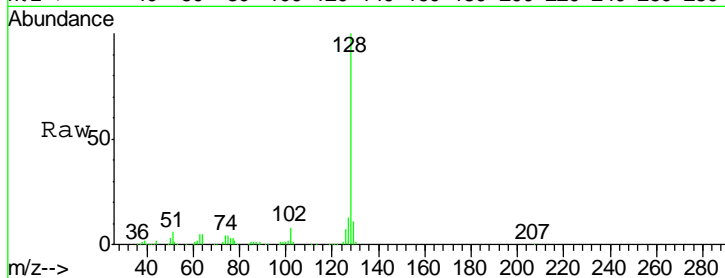
Tgt Ion	Resp	Lower	Upper
225	53528		
223	61.4	31.9	95.7
227	61.6	32.4	97.2





#95
 Naphthalene
 Concen: 5.19 ug/l
 RT: 13.75 min Scan# 4093
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

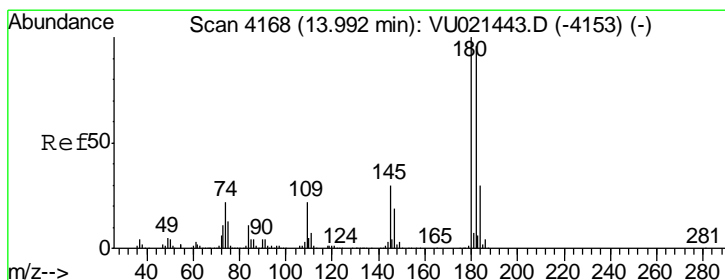
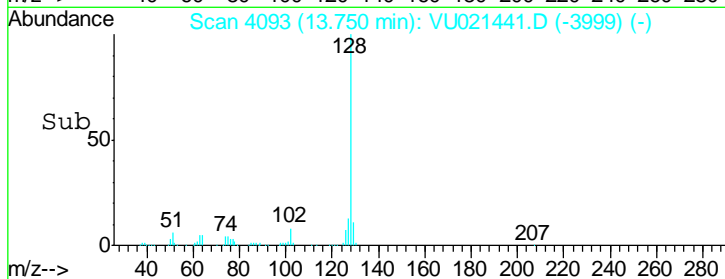
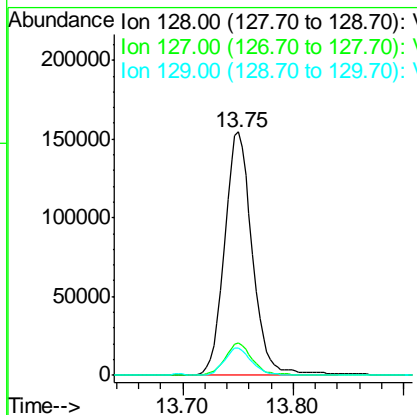
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.1	8.9	13.3

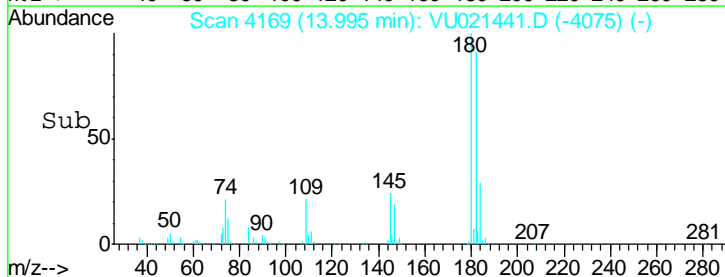
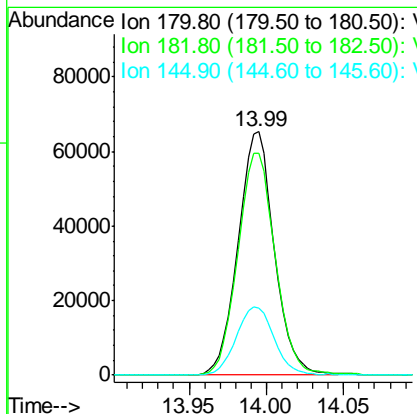
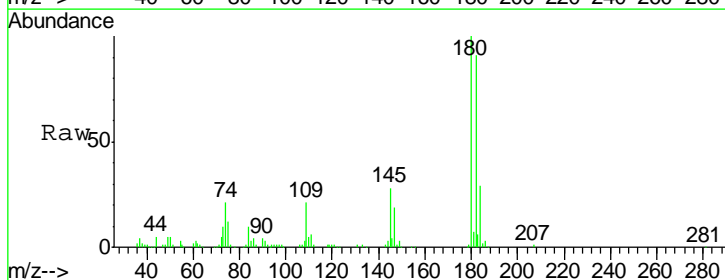
Manual Integrations
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#96
 1,2,3-Trichlorobenzene
 Concen: 4.98 ug/l
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.00 min
 Lab File: VU021441.D
 Acq: 03 Jan 2018 13:21

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.4	47.8	143.4
145	29.3	14.9	44.7



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021442.D
 Acq On : 03 Jan 2018 13:49
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Manual Integrations
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sam
 1/4/2018 11:18:46 AM

Quant Time: Jan 03 15:25:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1515005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	2154899	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1961140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	1070635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	264217	19.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.88%	
35) Dibromofluoromethane	4.89	113	243967	18.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.06%	
50) Toluene-d8	7.57	98	840869	19.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.12%	
62) 4-Bromofluorobenzene	10.31	95	355331	18.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	228244	18.14	ug/l	100
3) Chloromethane	1.33	50	269177	18.33	ug/l	98
4) Vinyl Chloride	1.40	62	282904	19.05	ug/l	99
5) Bromomethane	1.63	94	197508	14.42	ug/l	98
6) Chloroethane	1.70	64	173035	18.70	ug/l	98
7) Trichlorofluoromethane	1.89	101	404114	16.45	ug/l	99
8) Diethyl Ether	2.10	74	168299	18.45	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.29	101	257850	17.12	ug/l	96
10) Methyl Iodide	2.41	142	317351	19.17	ug/l	96
11) Tert butyl alcohol	2.83	59	305494	89.30	ug/l	99
12) 1,1-Dichloroethene	2.28	96	237478	16.31	ug/l	97
13) Acrolein	2.19	56	212783	82.26	ug/l	97
14) Allyl chloride	2.59	41	357364	18.85	ug/l	96
15) Acrylonitrile	2.94	53	701245	99.39	ug/l	98
16) Acetone	2.32	43	762262	97.89	ug/l	99
17) Carbon Disulfide	2.48	76	668609	16.00	ug/l	100
18) Methyl Acetate	2.62	43	309422	19.99	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	816625	17.70	ug/l	100
20) Methylene Chloride	2.70	84	267479	17.74	ug/l	92
21) trans-1,2-Dichloroethene	2.98	96	260714	17.23	ug/l	96
22) Diisopropyl ether	3.58	45	729535	21.00	ug/l #	92
23) Vinyl Acetate	3.53	43	2954662	104.76	ug/l #	94
24) 1,1-Dichloroethane	3.45	63	451842	20.45	ug/l	99
25) 2-Butanone	4.27	43	942069	112.63	ug/l	93
26) 2,2-Dichloropropane	4.23	77	392890	18.84	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	293279	19.37	ug/l	100
28) Bromochloromethane	4.55	49	200720	20.86	ug/l	87
29) Tetrahydrofuran	4.65	42	540639	107.96	ug/l	91
30) Chloroform	4.68	83	468343	19.45	ug/l	97
31) Cyclohexane	4.99	56	418858	17.12	ug/l	92
32) 1,1,1-Trichloroethane	4.92	97	408514	18.39	ug/l	98
36) 1,1-Dichloropropene	5.14	75	360371	19.82	ug/l	99
37) Ethyl Acetate	4.39	43	327300	22.12	ug/l	98
38) Carbon Tetrachloride	5.14	117	351525	17.31	ug/l	100

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021442.D
 Acq On : 03 Jan 2018 13:49
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
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Sam
 1/4/2018 11:18:46 AM

Quant Time: Jan 03 15:25:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	457505	19.02	ug/l	95
40) Benzene	5.39	78	1053068	19.46	ug/l	100
41) Methacrylonitrile	4.55	41	179094	21.15	ug/l	95
42) 1,2-Dichloroethane	5.41	62	361376	19.69	ug/l	98
43) Isopropyl Acetate	5.56	43	525827	19.82	ug/l	96
44) Trichloroethene	6.19	130	315708	18.43	ug/l	94
45) 1,2-Dichloropropane	6.44	63	262048	19.46	ug/l	98
46) Dibromomethane	6.56	93	182996	18.24	ug/l	93
47) Bromodichloromethane	6.76	83	338378	17.93	ug/l	99
48) Methyl methacrylate	6.63	41	262579	20.59	ug/l	92
49) 1,4-Dioxane	6.62	88	134309	417.47	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	1658536	103.92	ug/l	96
52) Toluene	7.64	92	679819	19.00	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	379934	18.02	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	418203	18.64	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	268480	18.67	ug/l	96
56) Ethyl methacrylate	8.02	69	405787	20.32	ug/l	95
57) 1,3-Dichloropropane	8.25	76	445652	19.80	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	765175	115.73	ug/l	95
59) 2-Hexanone	8.37	43	1301436	103.78	ug/l	95
60) Dibromochloromethane	8.48	129	279607	16.62	ug/l	98
61) 1,2-Dibromoethane	8.59	107	296695	18.89	ug/l	99
64) Tetrachloroethene	8.23	164	299215	17.96	ug/l	98
65) Chlorobenzene	9.12	112	778663	19.17	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	267811	17.69	ug/l	98
67) Ethyl Benzene	9.25	91	1326338	19.52	ug/l	100
68) m/p-Xylenes	9.38	106	1021243	38.07	ug/l	99
69) o-Xylene	9.78	106	493501	18.72	ug/l	100
70) Styrene	9.80	104	834141	19.38	ug/l	99
71) Bromoform	9.96	173	219227	15.70	ug/l	99
73) Isopropylbenzene	10.17	105	1346745	19.63	ug/l	99
74) N-amyl acetate	10.02	43	451205	21.83	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	412590	20.18	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	345044m	20.75	ug/l	
77) Bromobenzene	10.46	156	370918	19.31	ug/l	95
78) n-propylbenzene	10.59	91	1561420	20.76	ug/l	99
79) 2-Chlorotoluene	10.66	91	904675	20.10	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	1138992	19.86	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.52	75	94273m	15.86	ug/l	
82) 4-Chlorotoluene	10.78	91	1068722	20.46	ug/l	99
83) tert-Butylbenzene	11.10	119	1101841	19.10	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	1148518	19.99	ug/l	99
85) sec-Butylbenzene	11.33	105	1362047	19.73	ug/l	98
86) p-Isopropyltoluene	11.48	119	1236915	19.59	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	662290	18.78	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	668313	18.49	ug/l	98
89) n-Butylbenzene	11.89	91	1084034	20.88	ug/l	98
90) Hexachloroethane	12.15	117	186783	16.77	ug/l	94
91) 1,2-Dichlorobenzene	11.89	146	645508	18.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	86593	20.02	ug/l	95

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021442.D
 Acq On : 03 Jan 2018 13:49
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
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Quant Time: Jan 03 15:25:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	471665	20.43	ug/l	100
94) Hexachlorobutadiene	13.70	225	222899	17.47	ug/l	100
95) Naphthalene	13.75	128	1227495	22.47	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	453262	20.20	ug/l	98

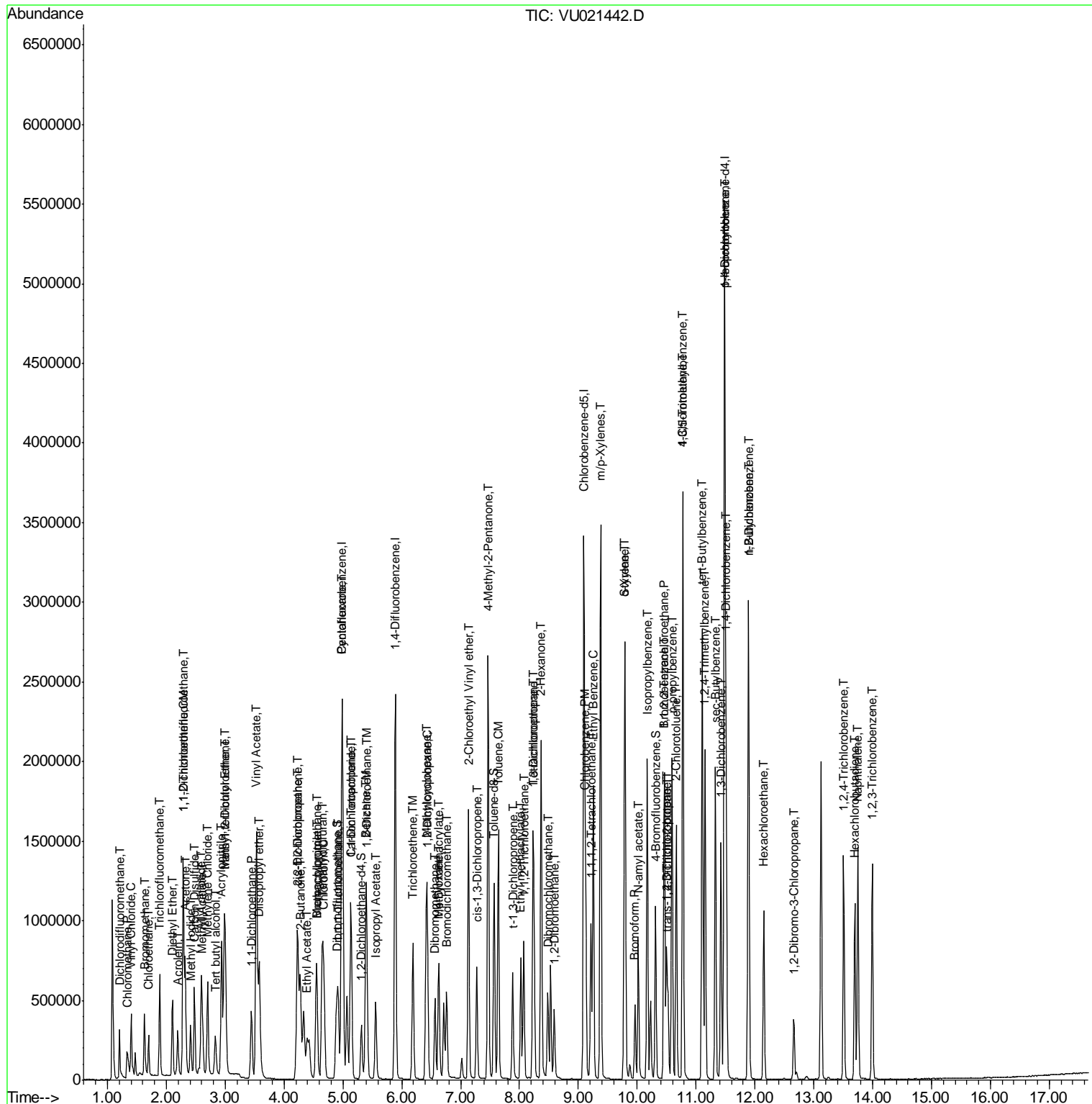
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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021442.D
 Acq On : 03 Jan 2018 13:49
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

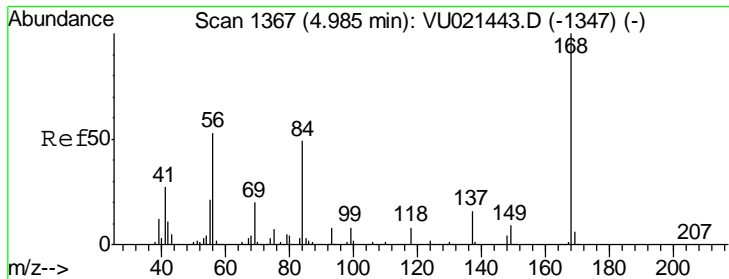
Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC020

Manual Integrations
 APPROVED
 sam
 1/4/2018 11:18:46 AM

Quant Time: Jan 03 15:25:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration



- 1
- 2
- 3
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- 15
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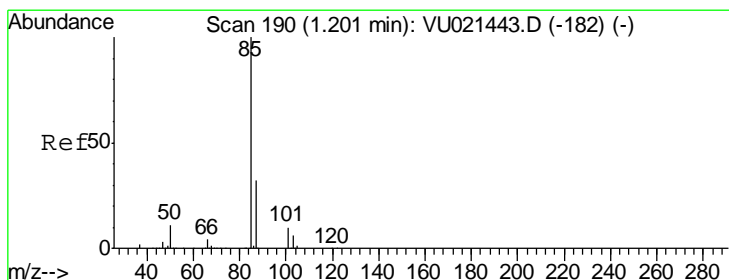
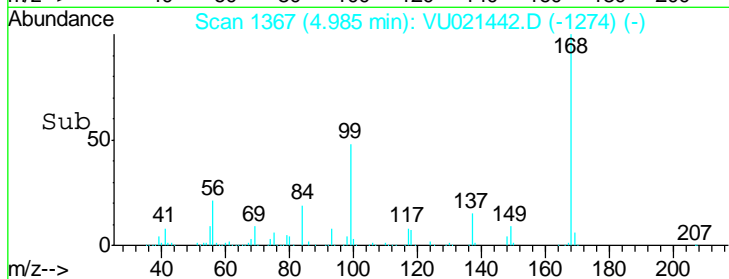
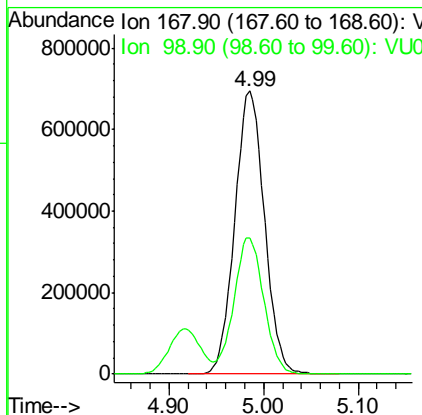
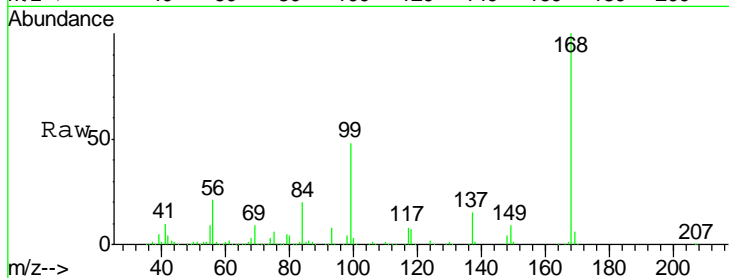
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
168	100		
99	48.0	40.2	60.2

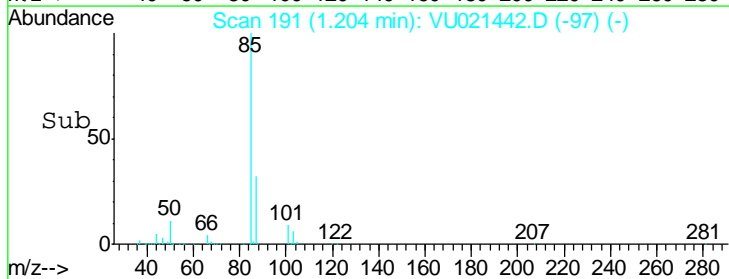
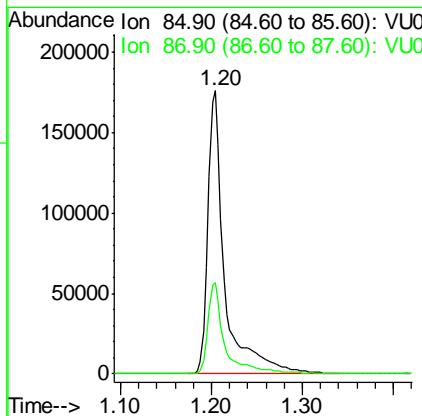
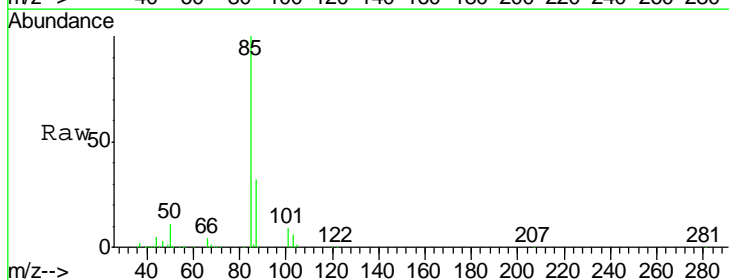
Manual Integrations
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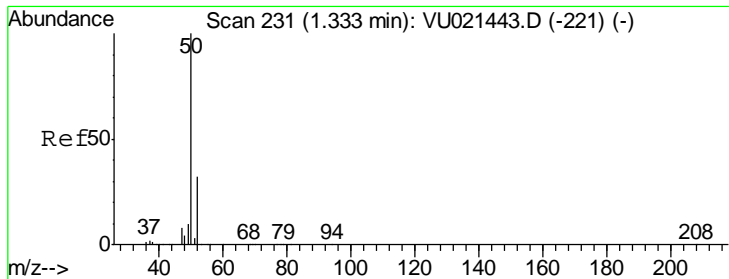
1/4/2018 11:18:46 AM



#2
 Dichlorodifluoromethane
 Concen: 18.14 ug/l
 RT: 1.20 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.3	16.3	48.8





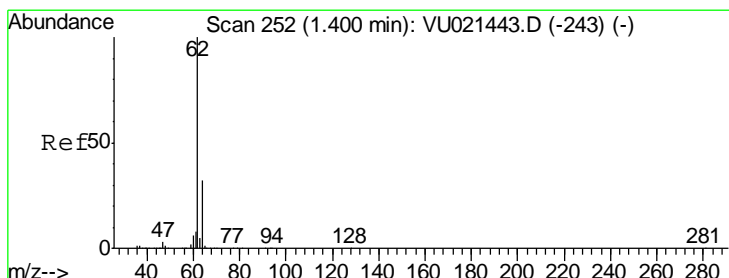
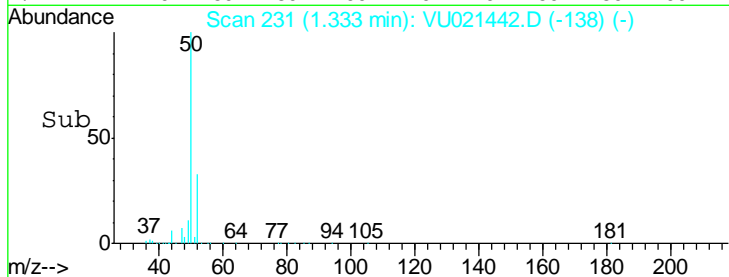
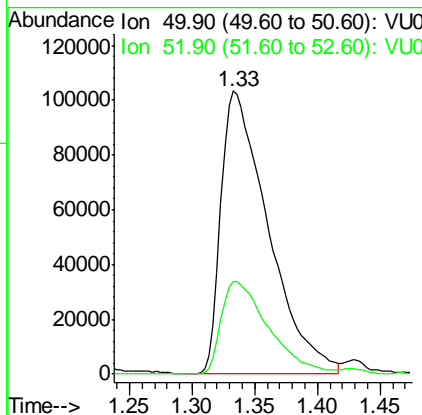
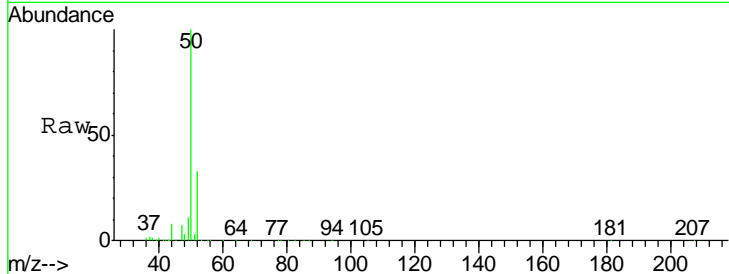
#3
 Chloromethane
 Concen: 18.33 ug/l
 RT: 1.33 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.7	27.1	40.7

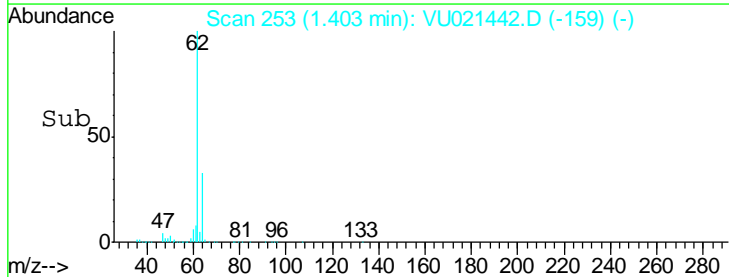
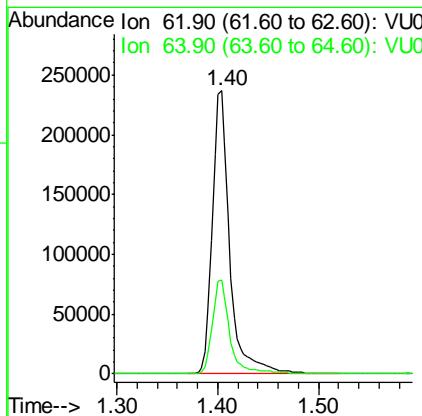
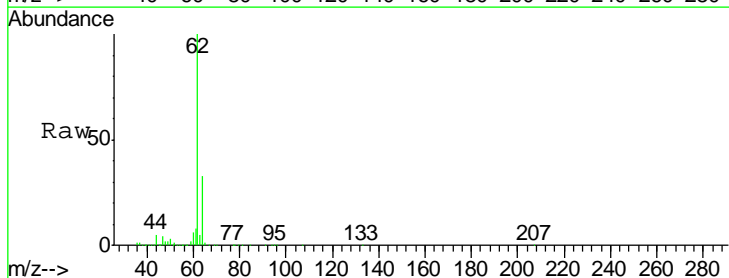
Manual Integrations
 APPROVED

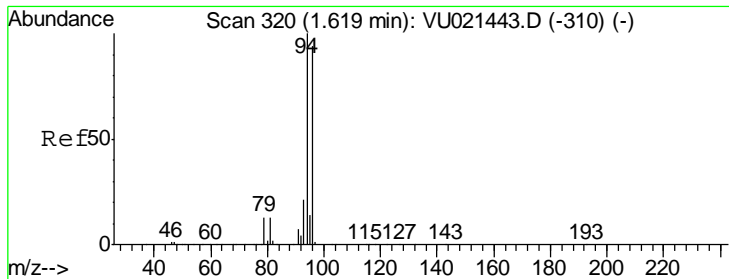
1/4/2018 11:18:46 AM



#4
 Vinyl Chloride
 Concen: 19.05 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
62	100		
64	33.2	25.9	38.9





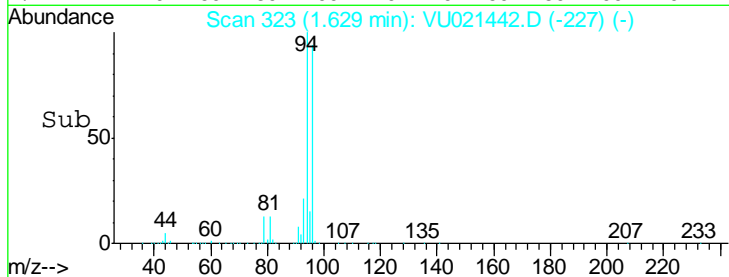
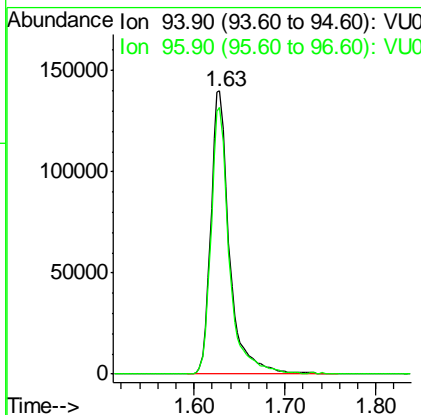
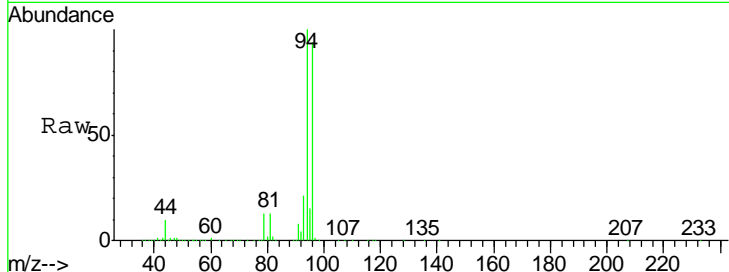
#5
 Bromomethane
 Concen: 14.42 ug/l
 RT: 1.63 min Scan# 323
 Delta R.T. 0.01 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
94	197508		
94	100		
96	94.7	74.4	111.6

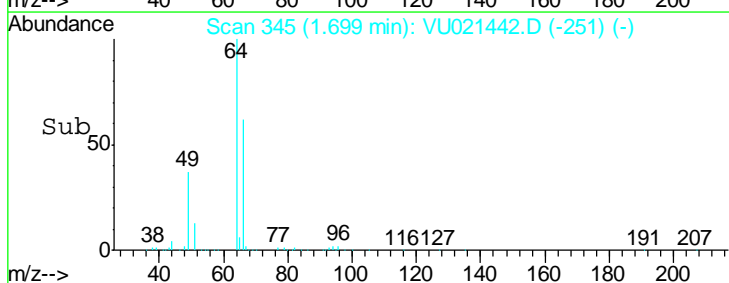
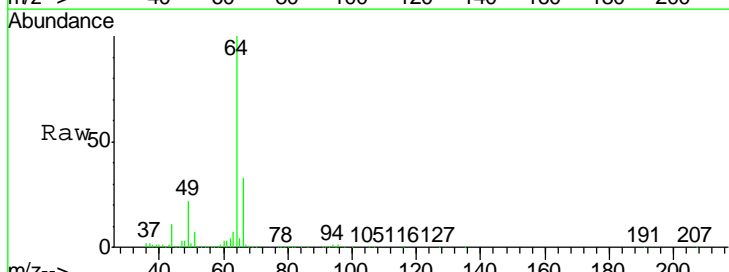
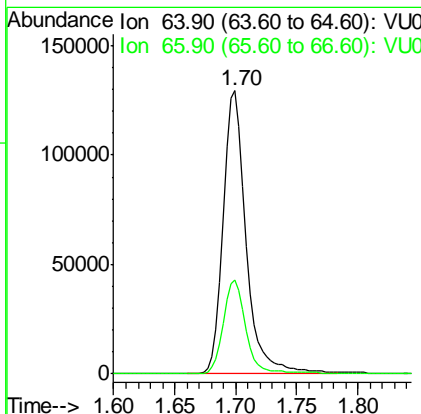
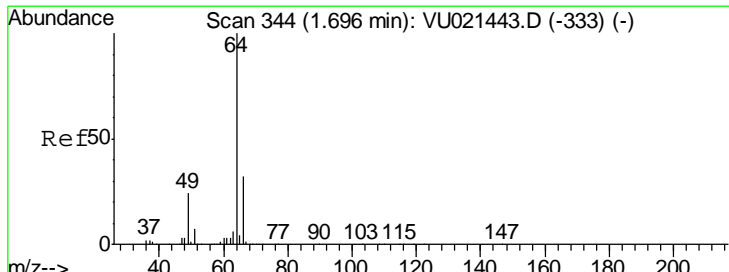
Manual Integrations
 APPROVED

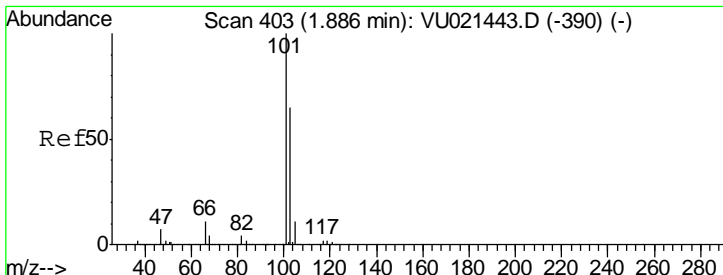
1
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#6
 Chloroethane
 Concen: 18.70 ug/l
 RT: 1.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

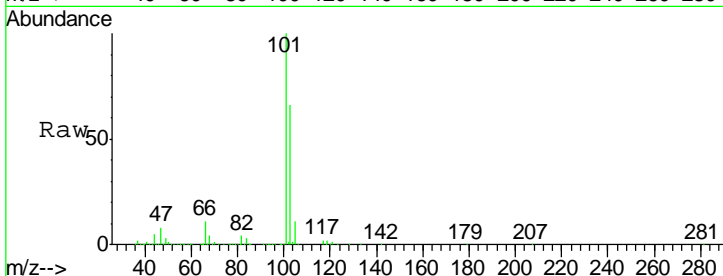
Tgt Ion	Resp	Lower	Upper
64	173035		
64	100		
66	33.0	25.6	38.4





#7
 Trichlorofluoromethane
 Concen: 16.45 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

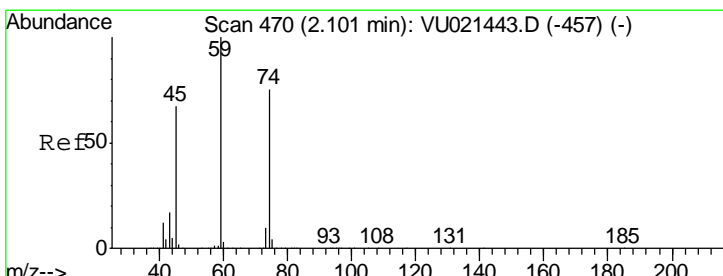
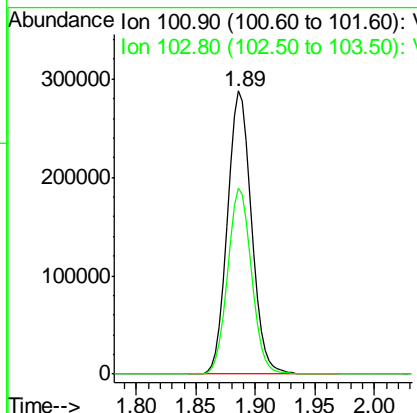
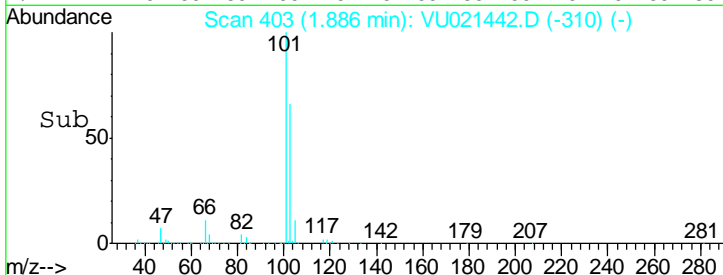
Instrument : MSVOA_U
 Client Sampled : VSTDIC020



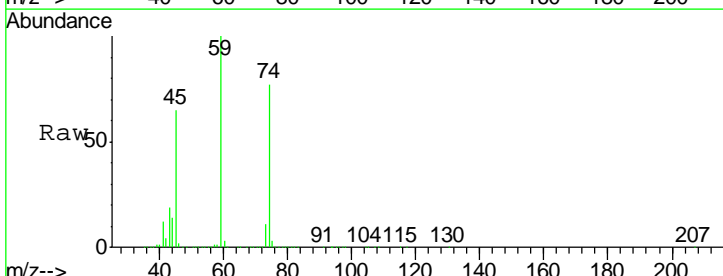
Tgt Ion: 101 Resp: 404114
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.8 77.8

Manual Integrations
 APPROVED

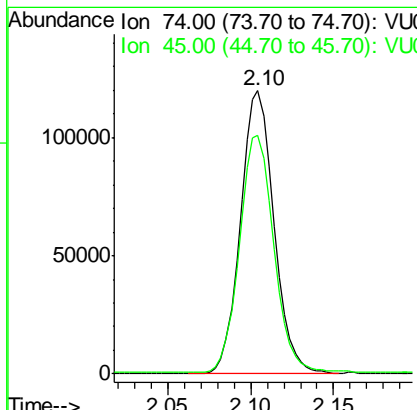
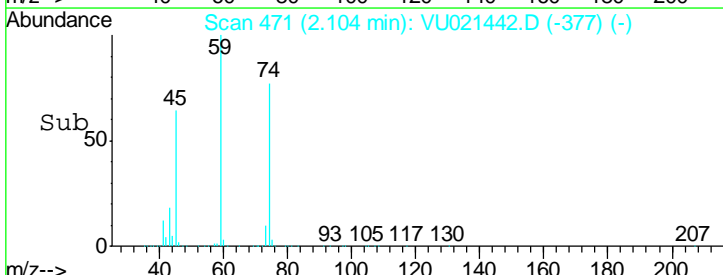
1/4/2018 11:18:46 AM

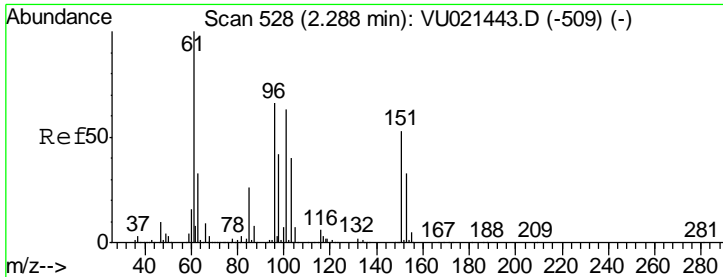


#8
 Diethyl Ether
 Concen: 18.45 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49



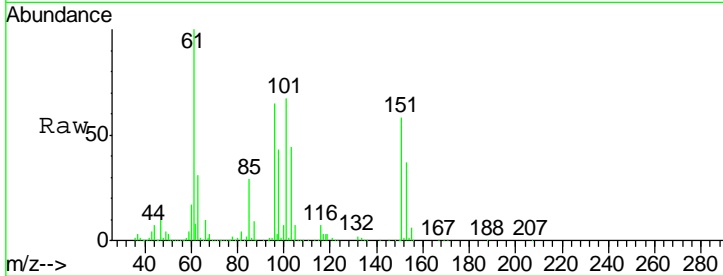
Tgt Ion: 74 Resp: 168299
 Ion Ratio Lower Upper
 74 100
 45 86.4 50.5 151.6





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.12 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

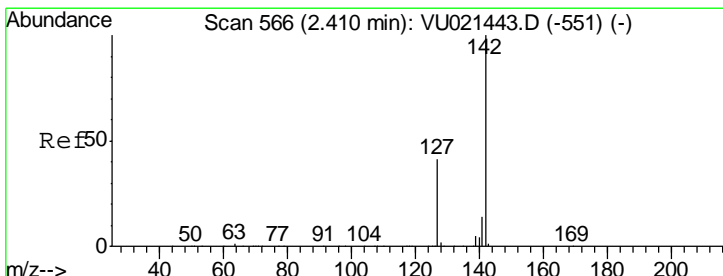
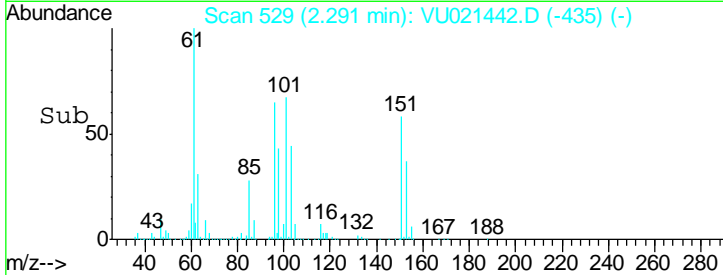
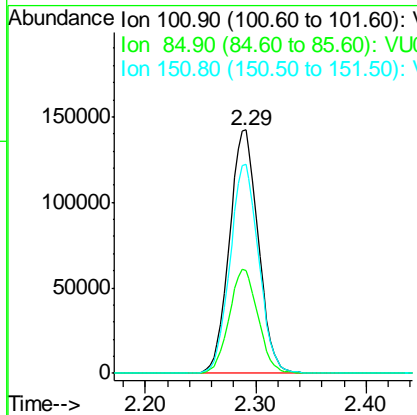
Instrument : MSVOA_U
 Client Sampled : VSTDIC020



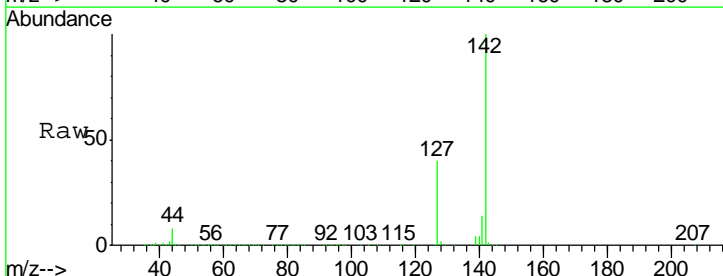
Tgt Ion	Resp	Lower	Upper
101	100		
85	42.8	34.8	52.2
151	85.4	64.8	97.2

Manual Integrations
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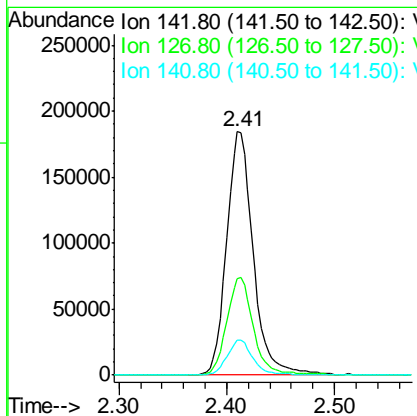
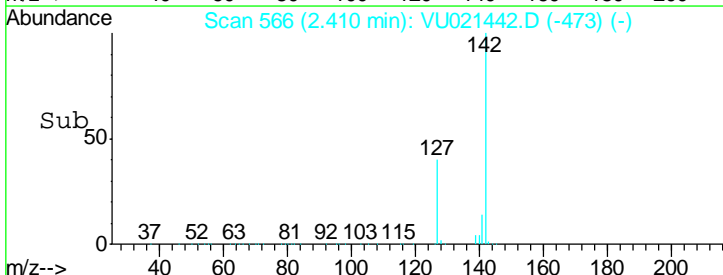
1/4/2018 11:18:46 AM

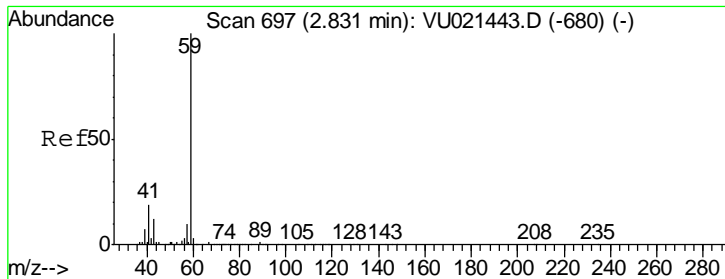


#10
 Methyl Iodide
 Concen: 19.17 ug/l
 RT: 2.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49



Tgt Ion	Resp	Lower	Upper
142	100		
127	40.2	34.9	52.3
141	13.9	11.4	17.0





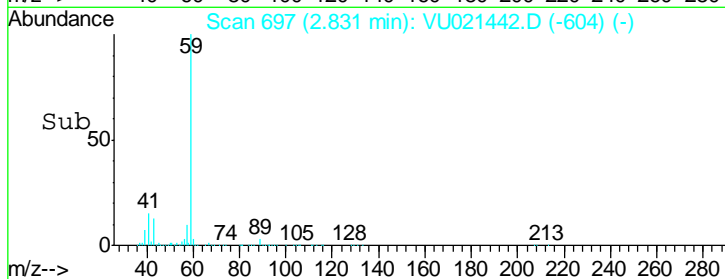
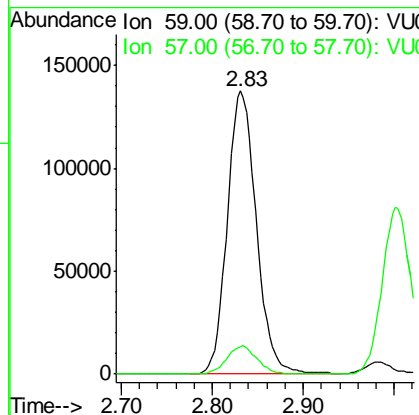
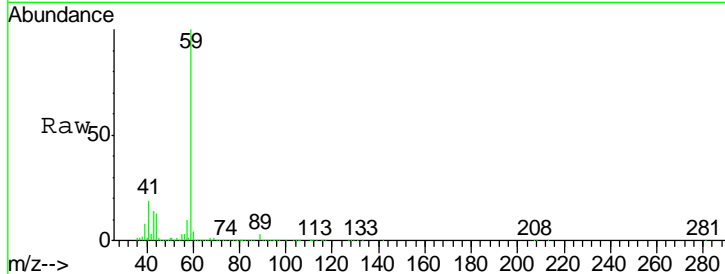
#11
 Tert butyl alcohol
 Concen: 89.30 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.0	8.2	12.4

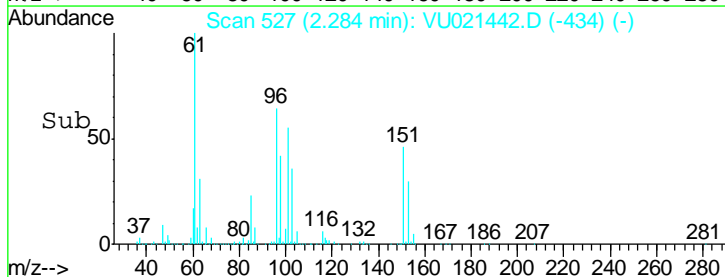
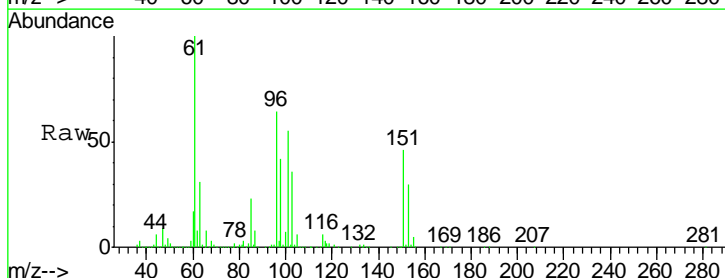
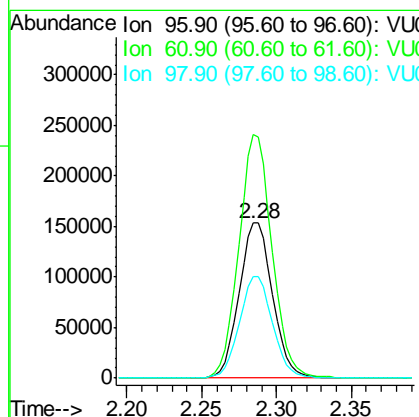
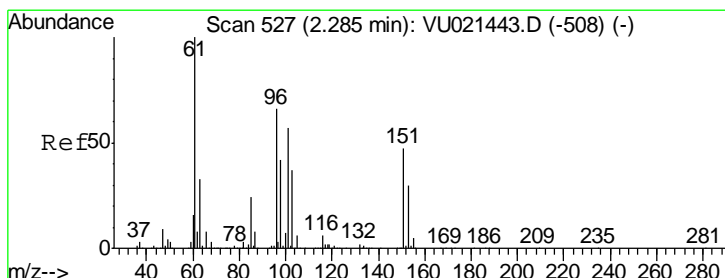
Manual Integrations
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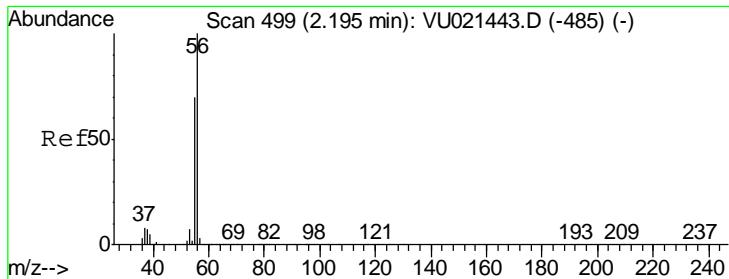
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#12
 1,1-Dichloroethene
 Concen: 16.31 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
96	100		
61	157.3	129.1	193.7
98	65.3	51.2	76.8





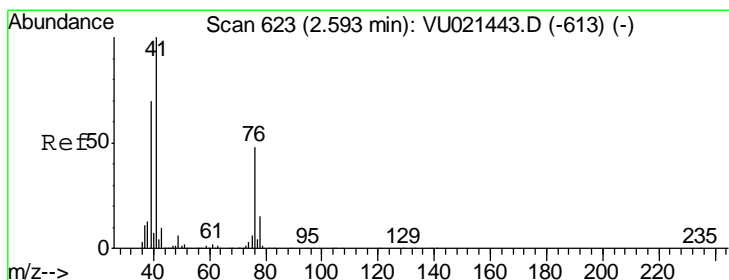
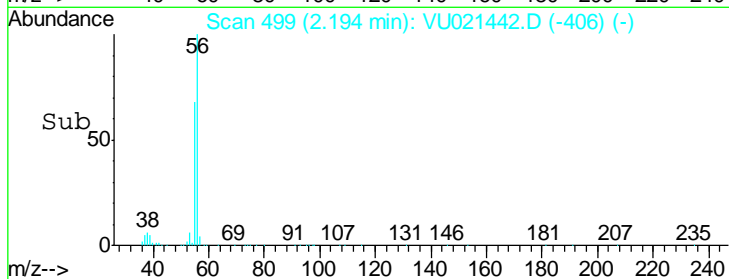
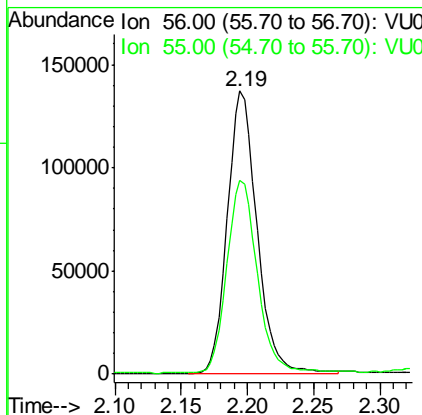
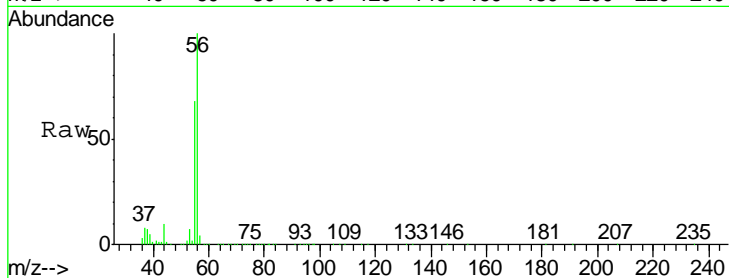
#13
 Acrolein
 Concen: 82.26 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	212783		
55	70.4	58.0	87.0

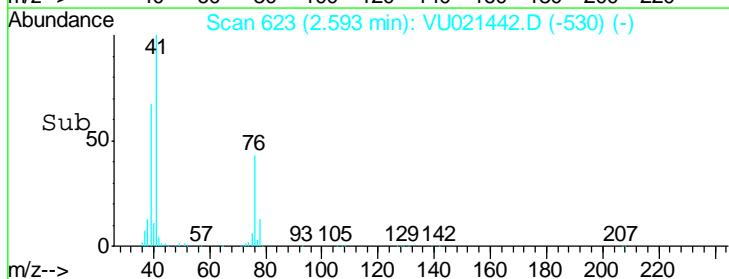
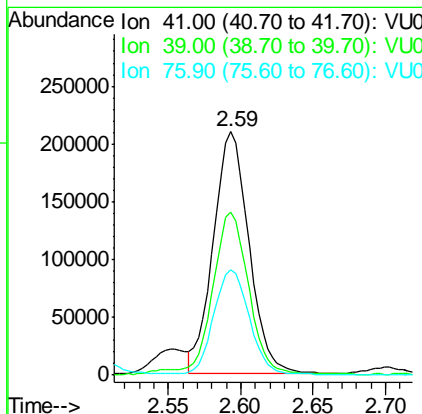
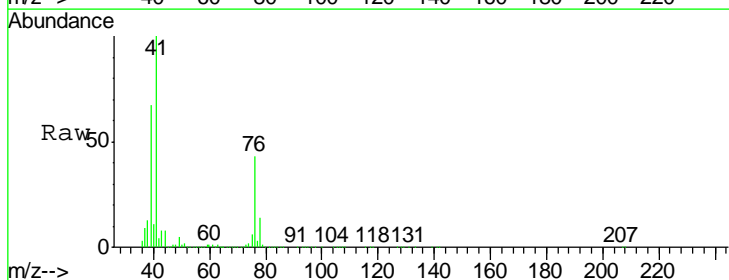
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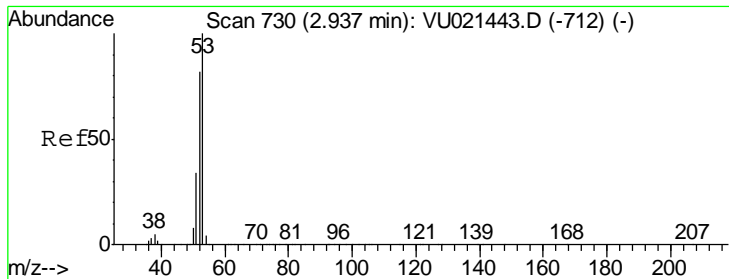
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#14
 Allyl chloride
 Concen: 18.85 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
41	357364		
39	68.0	54.2	81.4
76	43.5	29.1	43.7





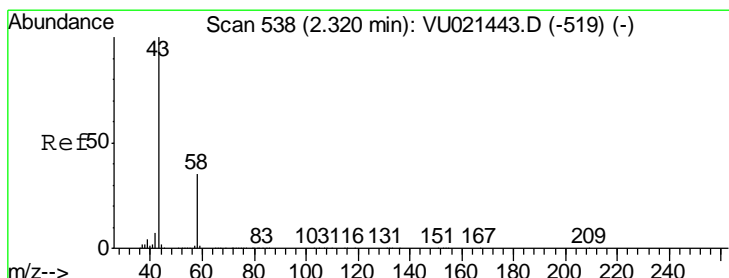
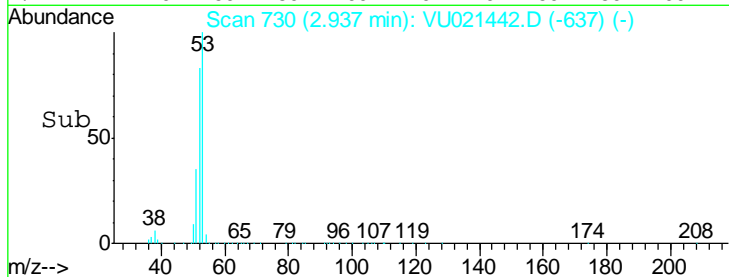
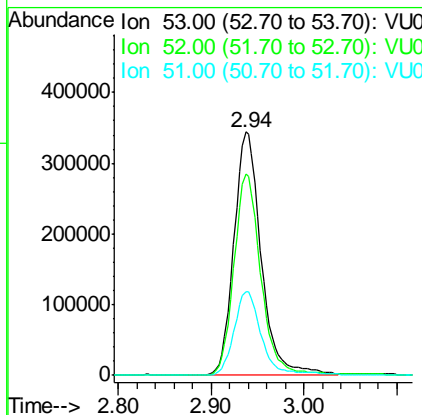
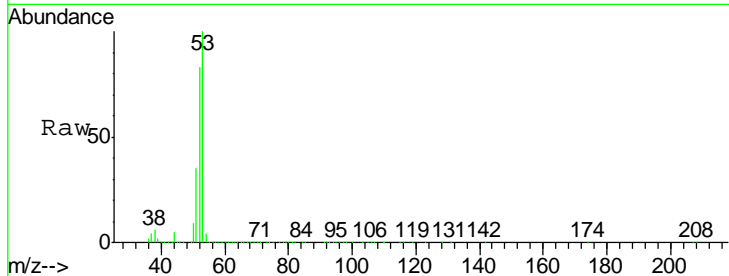
#15
 Acrylonitrile
 Concen: 99.39 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.6	66.8	100.2
51	34.7	27.3	40.9

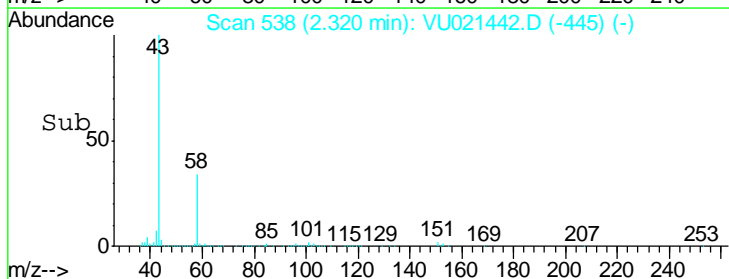
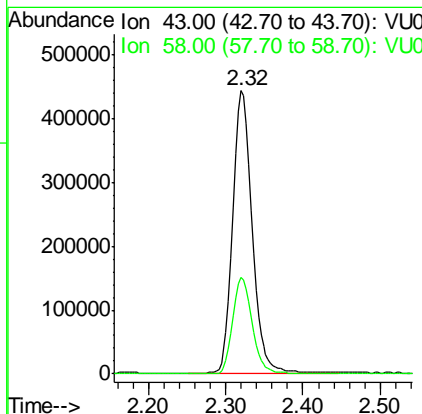
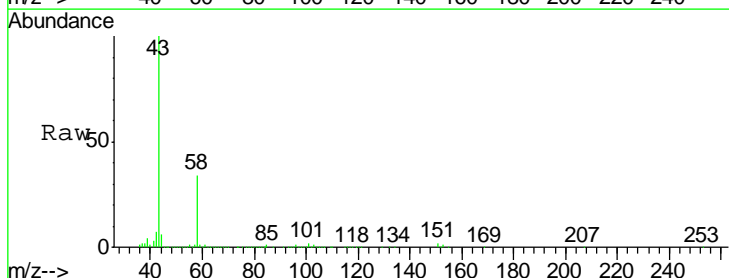
Manual Integrations
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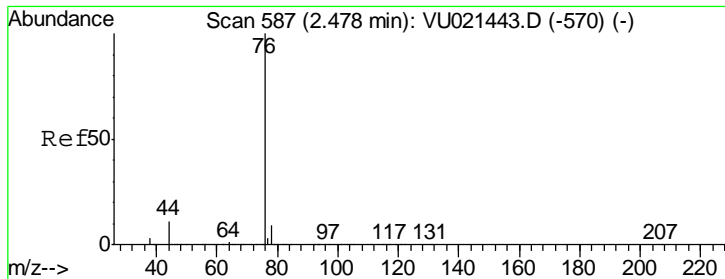
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#16
 Acetone
 Concen: 97.89 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
43	100		
58	34.1	26.7	40.1





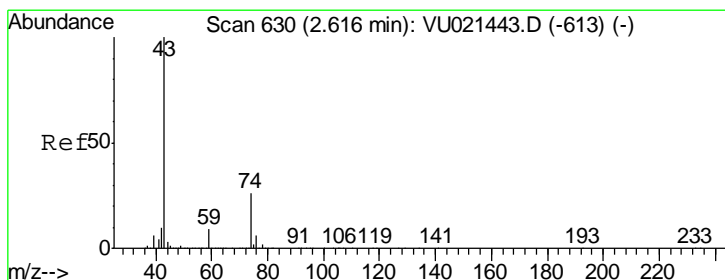
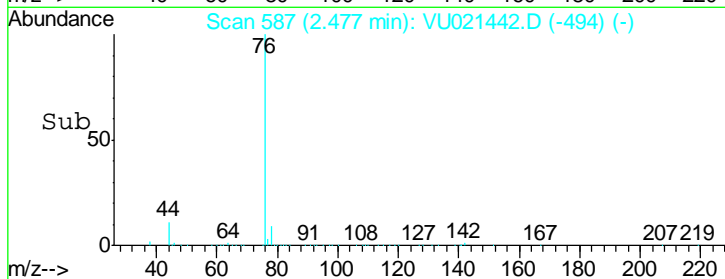
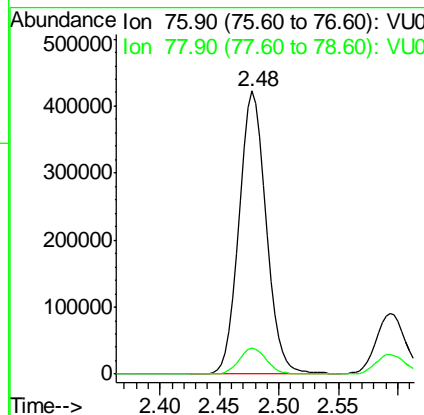
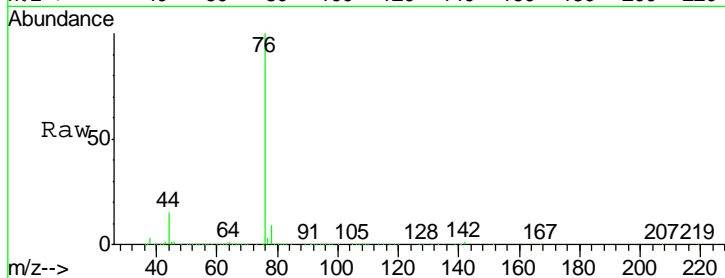
#17
 Carbon Disulfide
 Concen: 16.00 ug/l
 RT: 2.48 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.2	7.4	11.0

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

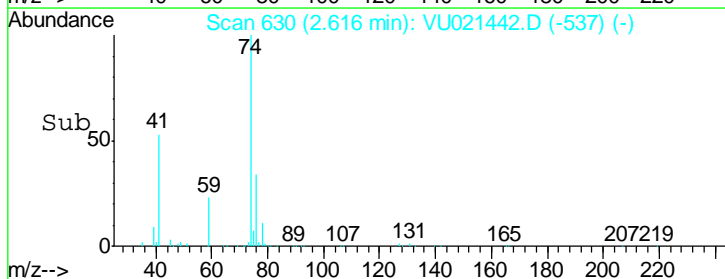
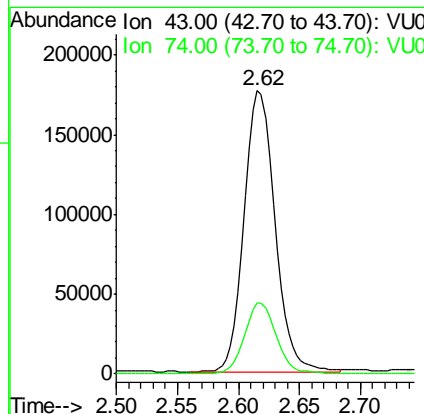
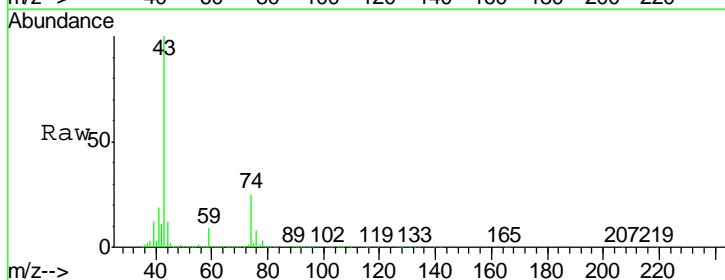
Manual Integrations
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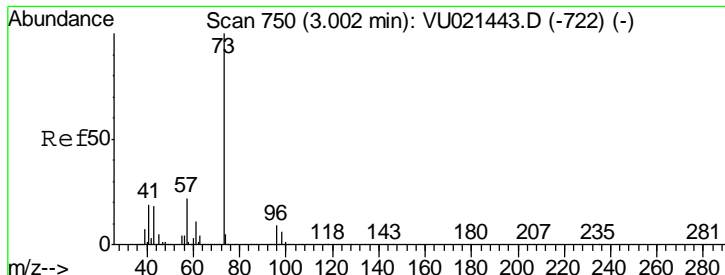
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#18
 Methyl Acetate
 Concen: 19.99 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
43	100		
74	26.1	18.6	27.8





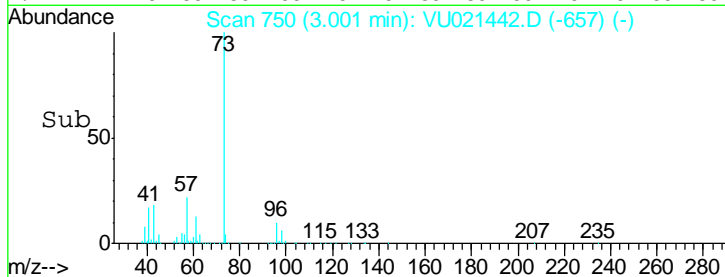
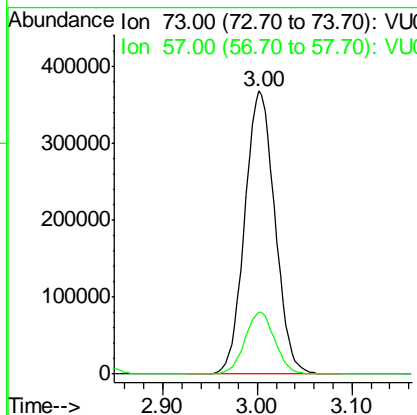
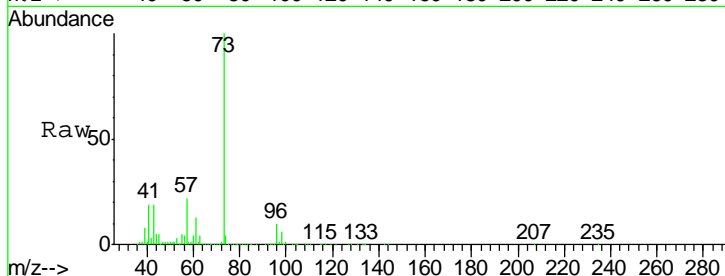
#19
 Methyl tert-butyl Ether
 Concen: 17.70 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
73	100		
57	21.9	17.6	26.4

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

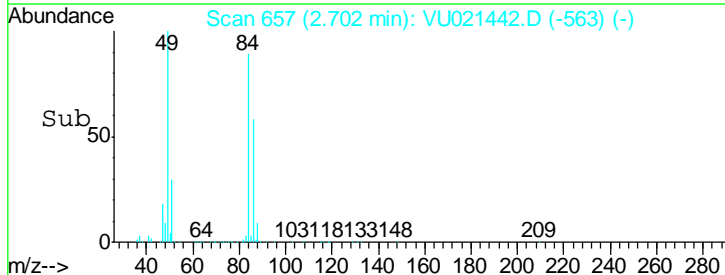
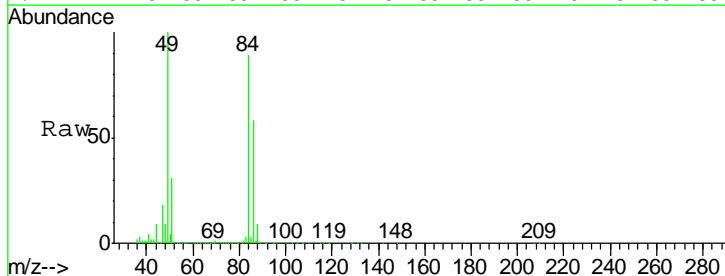
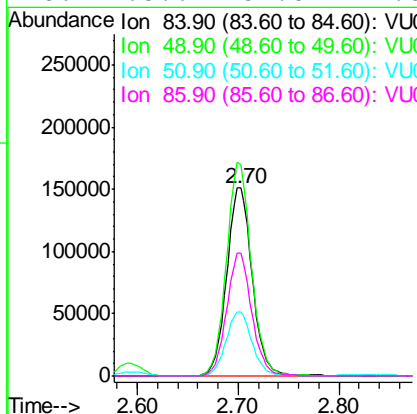
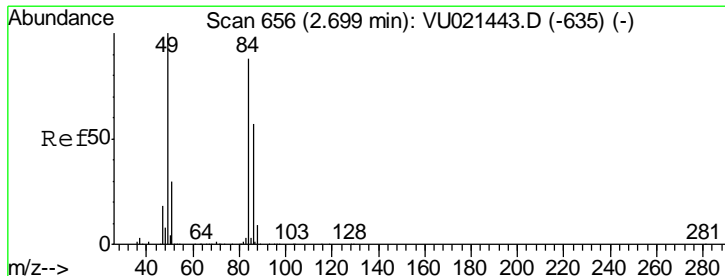
Manual Integrations
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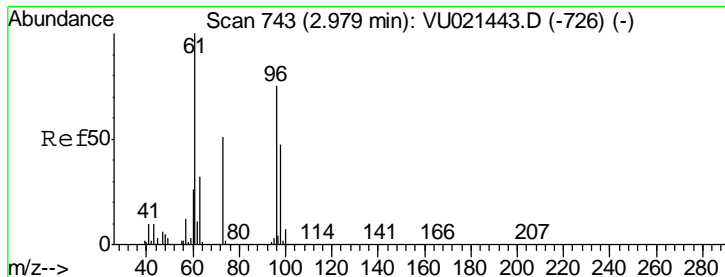
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#20
 Methylene Chloride
 Concen: 17.74 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

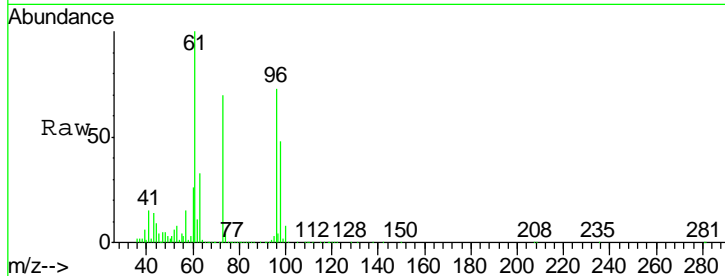
Tgt Ion	Resp	Lower	Upper
84	100		
49	112.3	100.3	150.5
51	34.0	32.2	48.2
86	65.6	51.8	77.8





#21
 trans-1,2-Dichloroethene
 Concen: 17.23 ug/l
 RT: 2.98 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

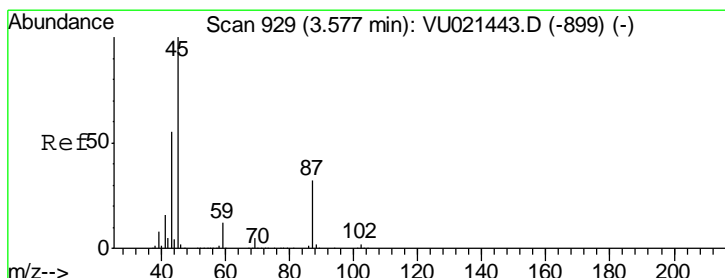
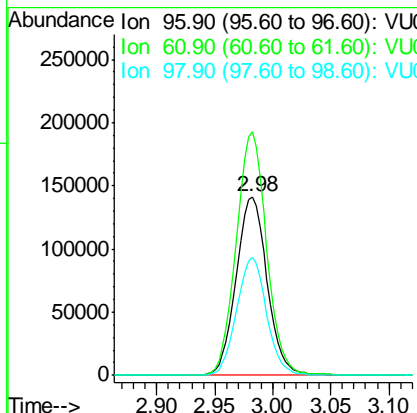
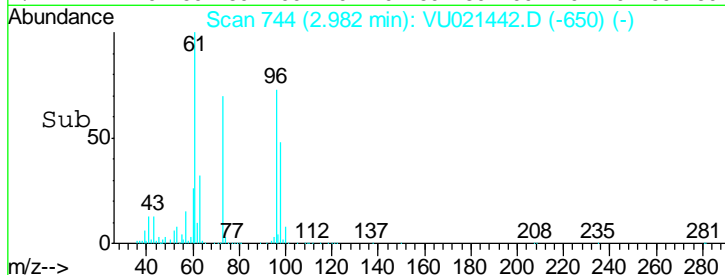
Instrument : MSVOA_U
 Client Sampled : VSTDIC020



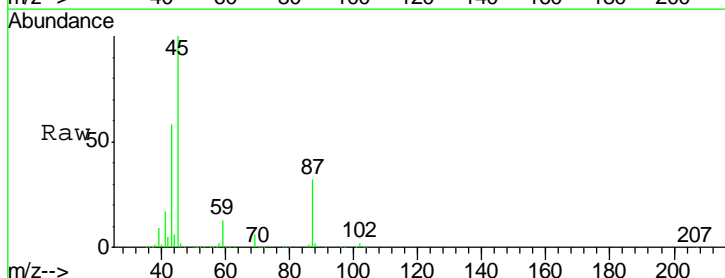
Tgt Ion	Resp	Lower	Upper
96	260714		
96	100		
61	136.2	113.6	170.4
98	66.0	51.0	76.6

Manual Integrations
 APPROVED

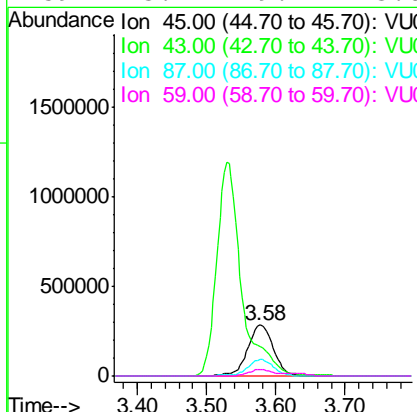
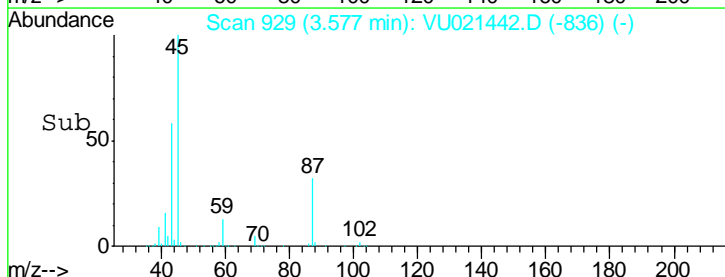
1/4/2018 11:18:46 AM

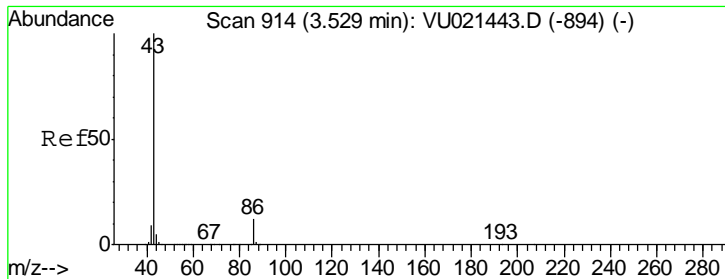


#22
 Diisopropyl ether
 Concen: 21.00 ug/l
 RT: 3.58 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49



Tgt Ion	Resp	Lower	Upper
45	729535		
45	100		
43	58.3	42.6	63.8
87	32.1	21.0	31.6#
59	13.1	9.2	13.8





#23
 Vinyl Acetate
 Concen: 104.76 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

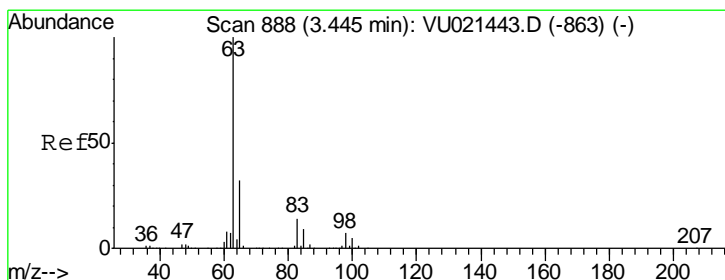
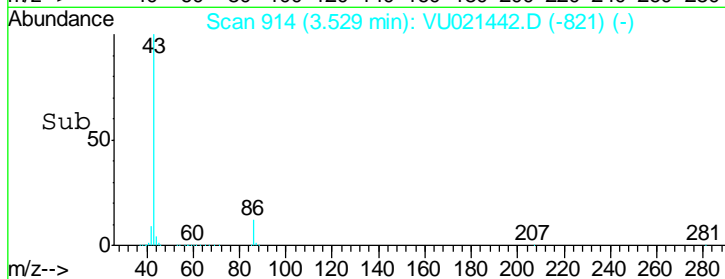
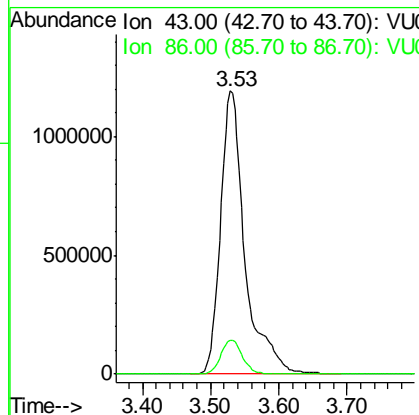
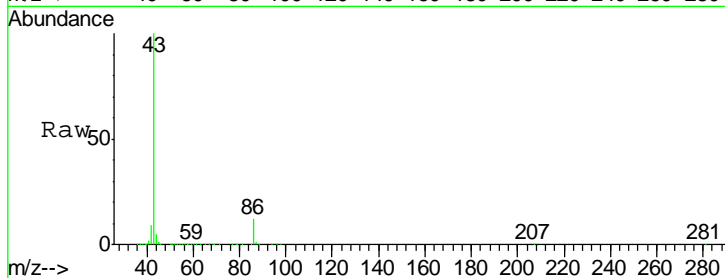
Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion: 43 Resp: 2954662

Ion	Ratio	Lower	Upper
43	100		
86	12.1	8.0	12.0#

Manual Integrations
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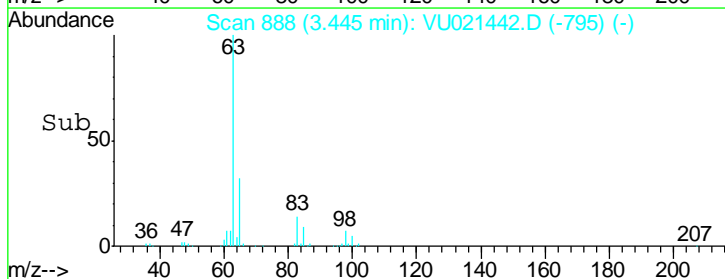
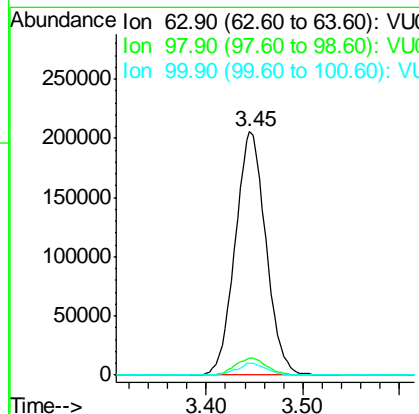
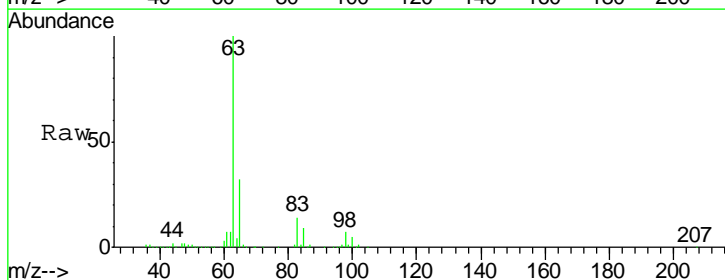
1/4/2018 11:18:46 AM

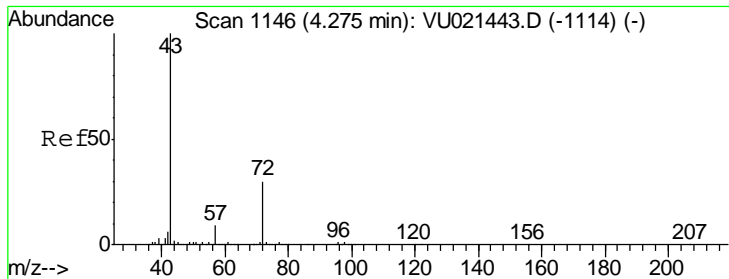


#24
 1,1-Dichloroethane
 Concen: 20.45 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion: 63 Resp: 451842

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.4
100	5.1	2.0	5.8





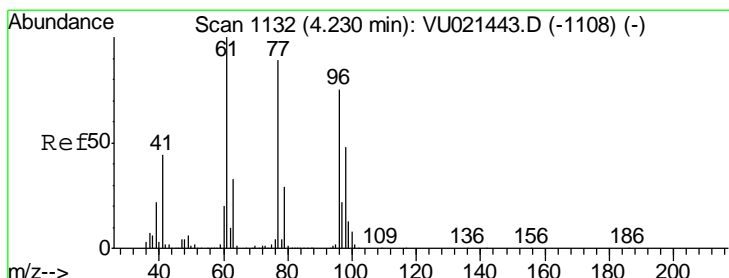
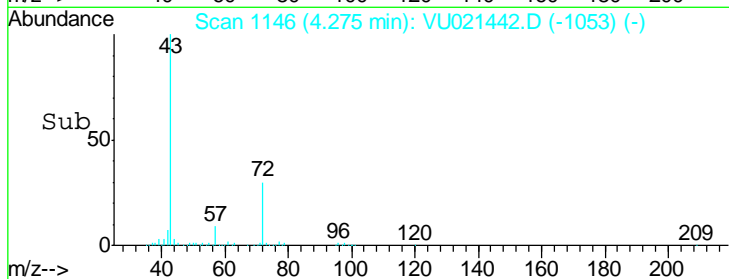
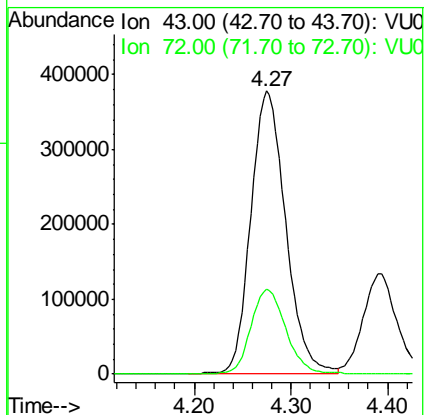
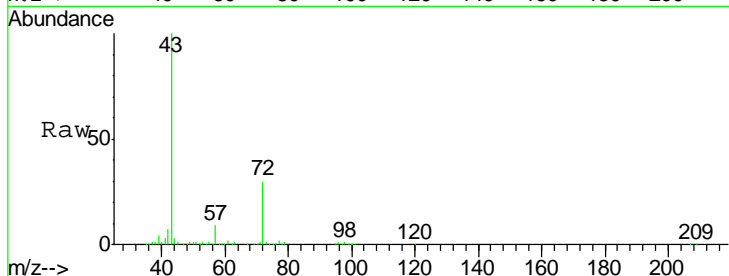
#25
 2-Butanone
 Concen: 112.63 ug/l
 RT: 4.27 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
72	30.2	21.4	32.0

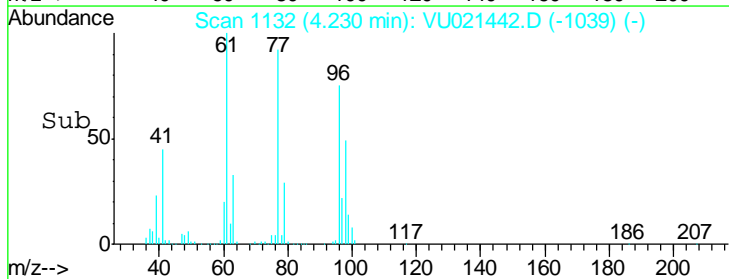
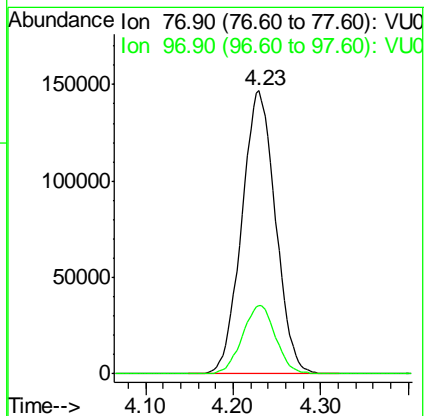
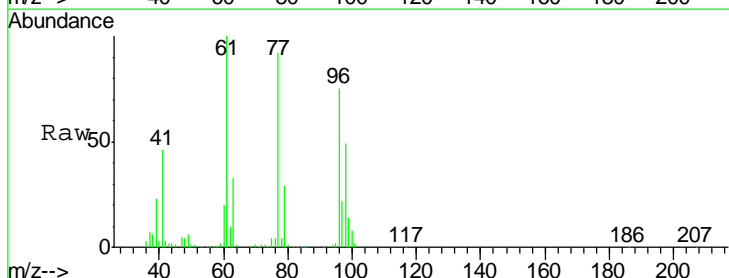
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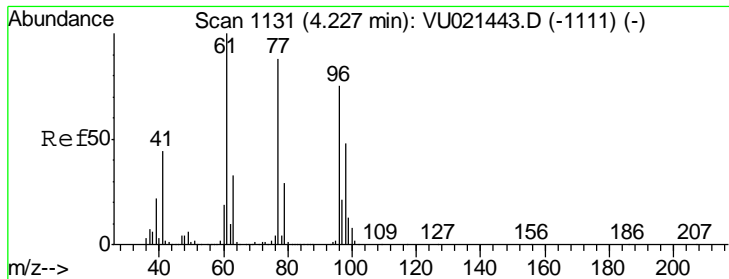
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#26
 2,2-Dichloropropane
 Concen: 18.84 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.8	11.9	35.9





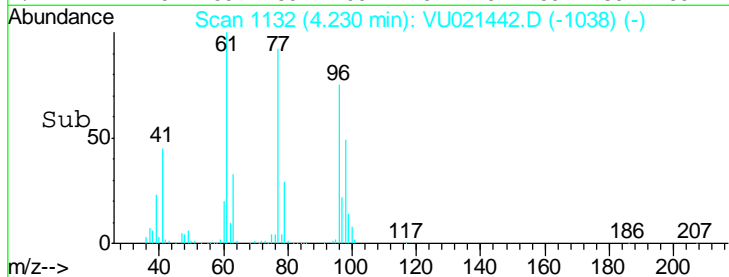
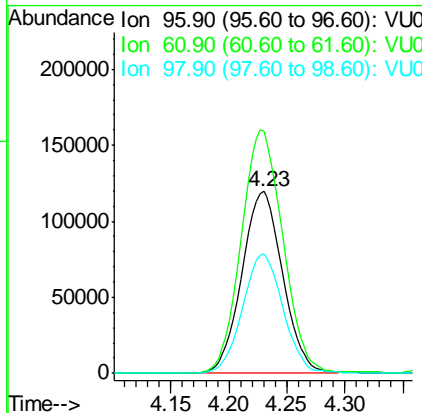
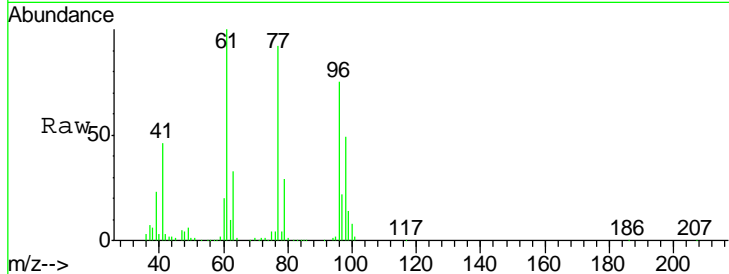
#27
 cis-1,2-Dichloroethene
 Concen: 19.37 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	293279		
61	136.6	0.0	273.2
98	65.4	0.0	128.6

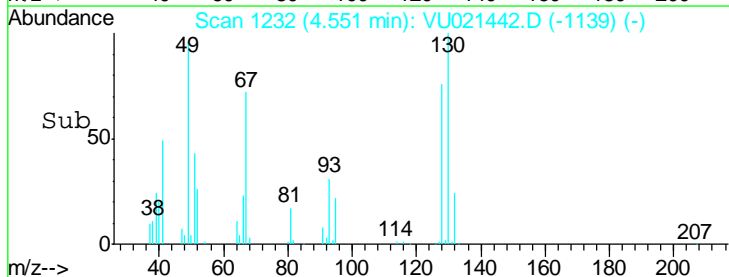
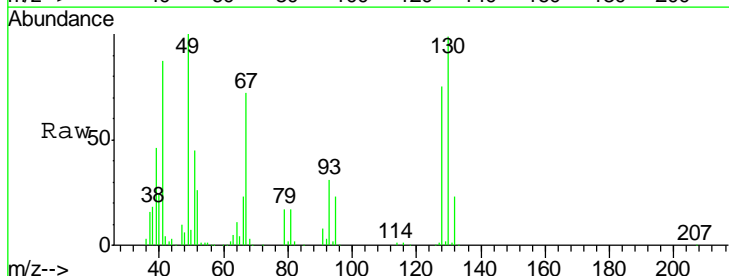
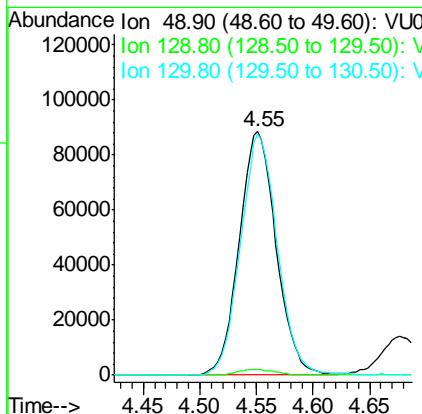
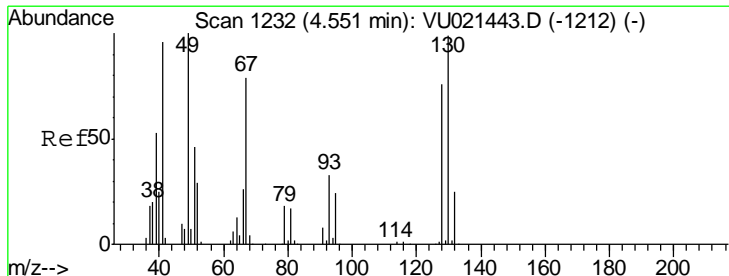
Manual Integrations
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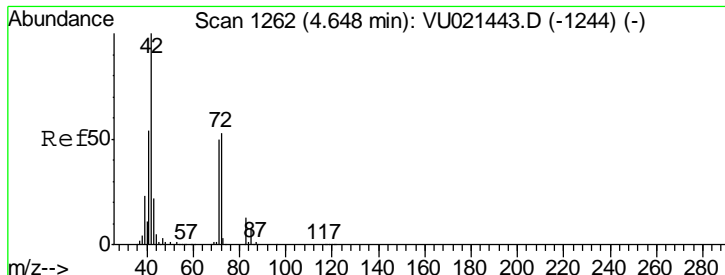
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#28
 Bromochloromethane
 Concen: 20.86 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
49	200720		
129	2.4	0.0	4.2
130	98.9	69.0	103.4





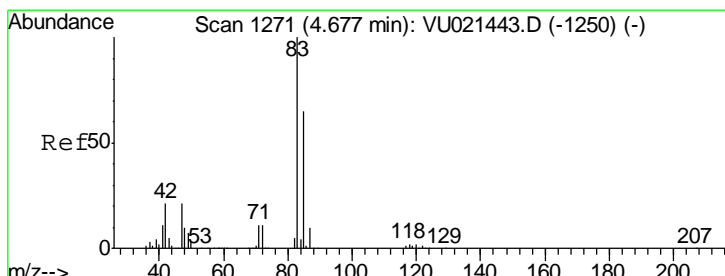
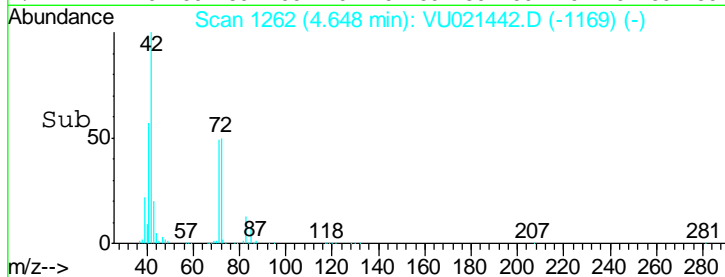
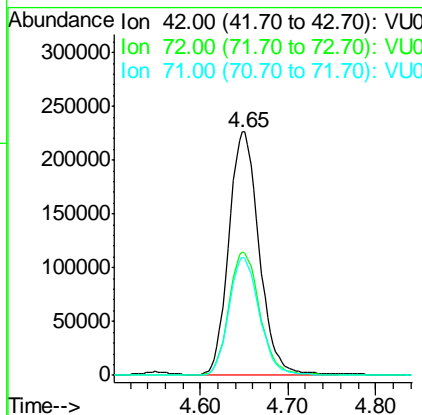
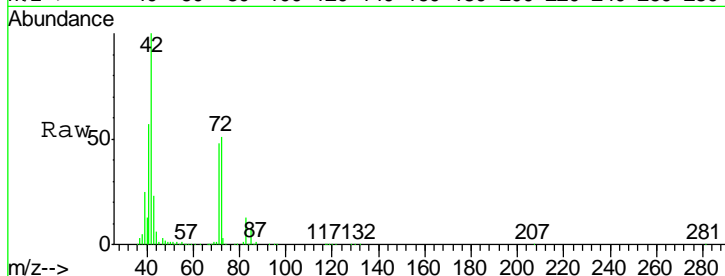
#29
 Tetrahydrofuran
 Concen: 107.96 ug/l
 RT: 4.65 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
42	100		
72	51.8	36.9	55.3
71	49.1	34.5	51.7

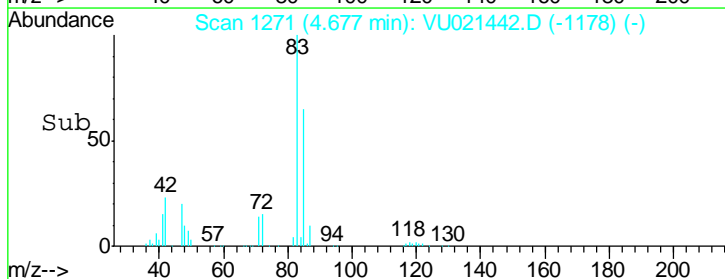
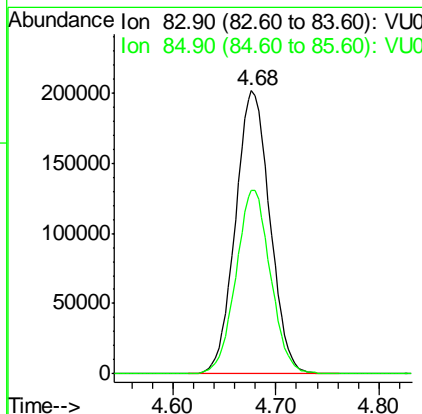
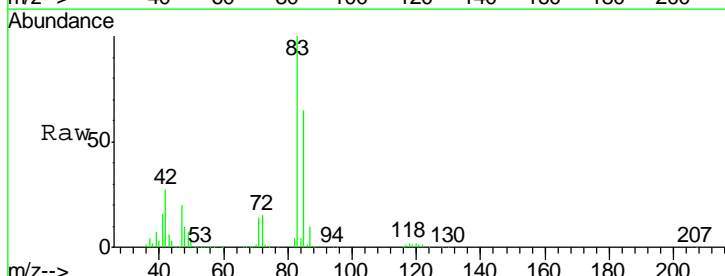
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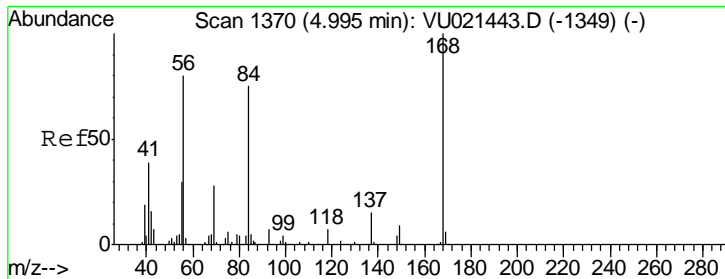
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#30
 Chloroform
 Concen: 19.45 ug/l
 RT: 4.68 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.9	49.9	74.9





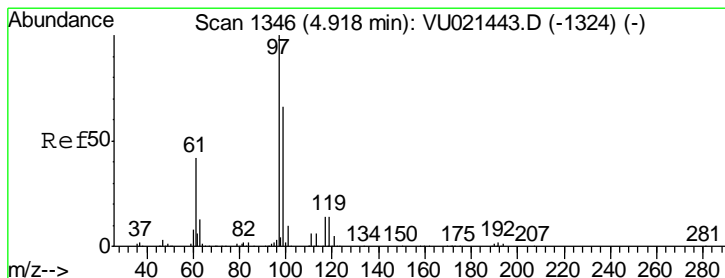
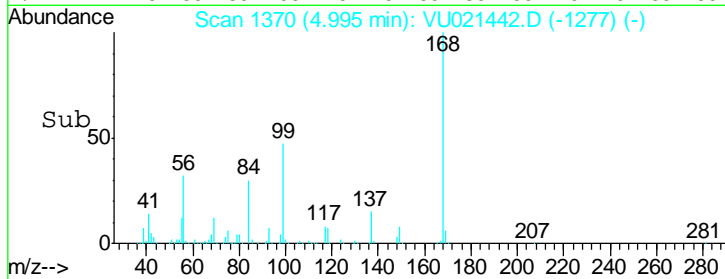
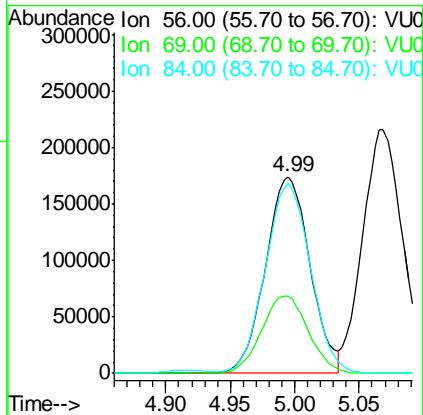
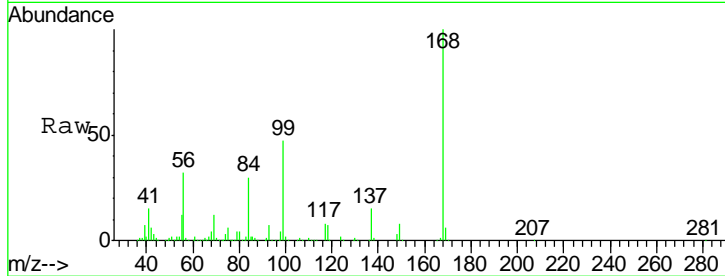
#31
 Cyclohexane
 Concen: 17.12 ug/l
 RT: 4.99 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	418858		
56	100		
69	39.5	26.5	39.7
84	94.9	70.6	105.8

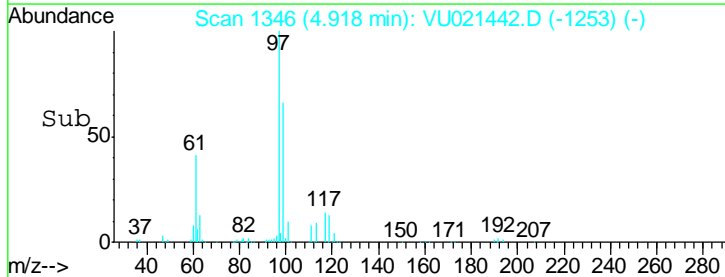
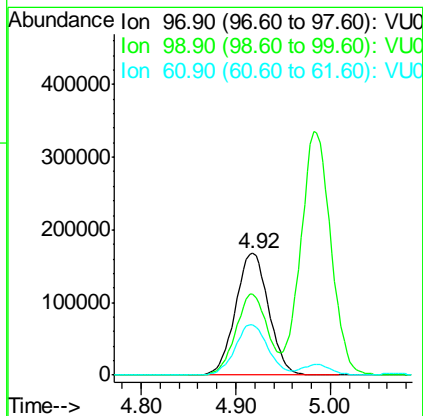
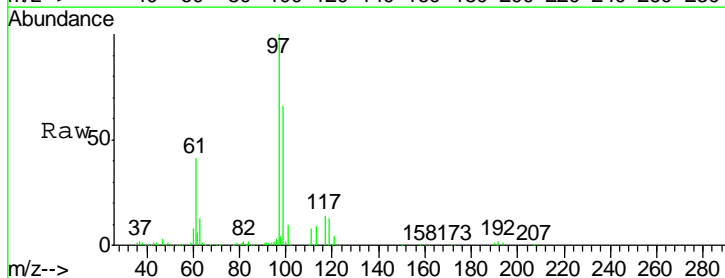
Manual Integrations
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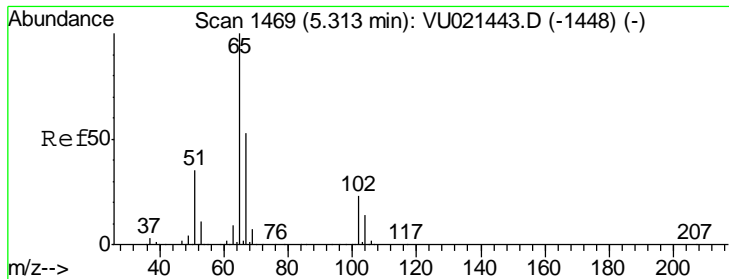
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#32
 1,1,1-Trichloroethane
 Concen: 18.39 ug/l
 RT: 4.92 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
97	408514		
97	100		
99	63.6	51.7	77.5
61	41.2	35.0	52.6





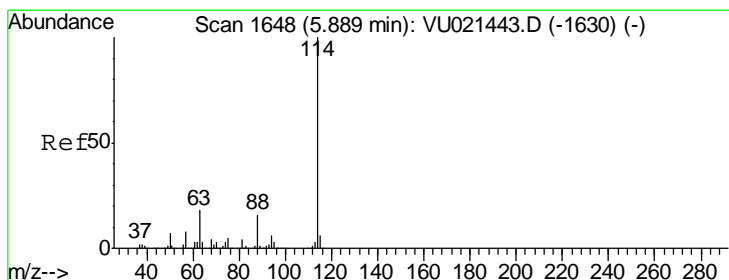
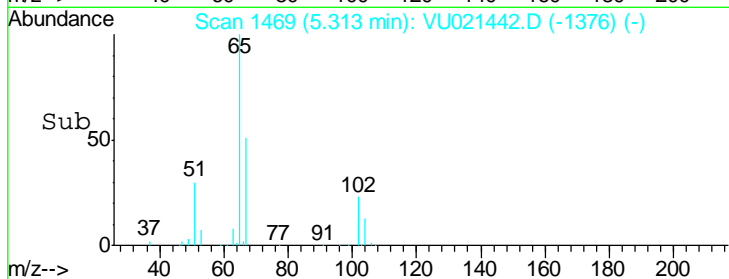
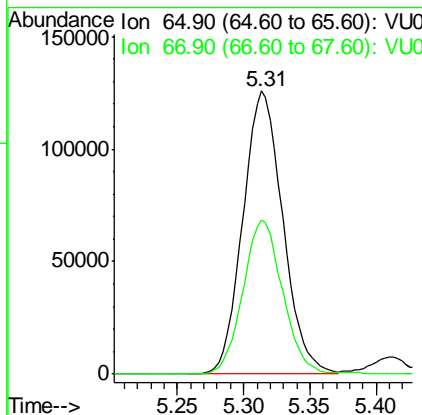
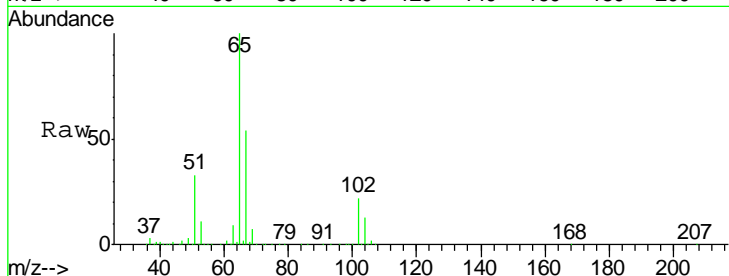
#33
 1,2-Dichloroethane-d4
 Concen: 19.44 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.0	0.0	109.2

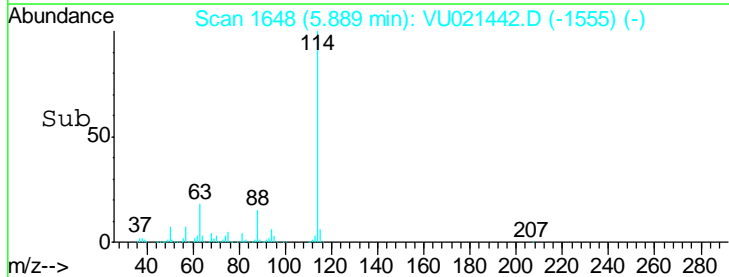
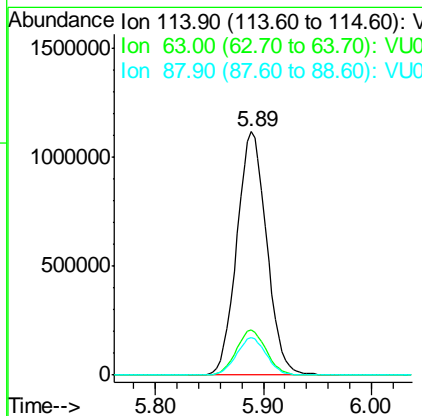
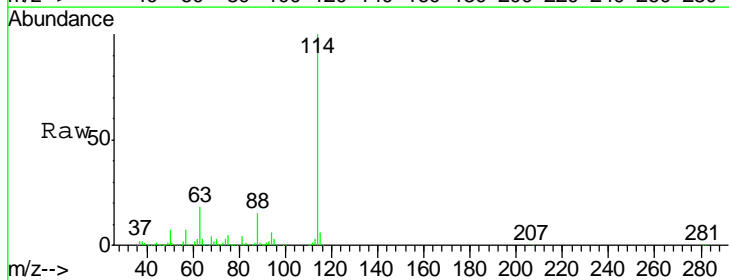
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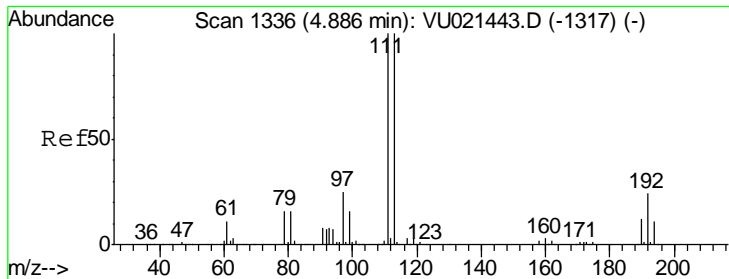
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

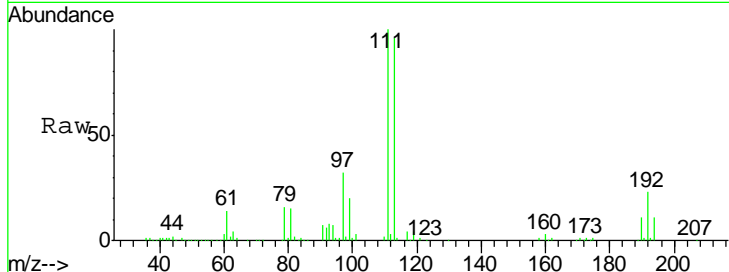
Tgt Ion	Resp	Lower	Upper
114	100		
63	18.3	0.0	38.6
88	15.2	0.0	29.8





#35
 Dibromofluoromethane
 Concen: 18.53 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

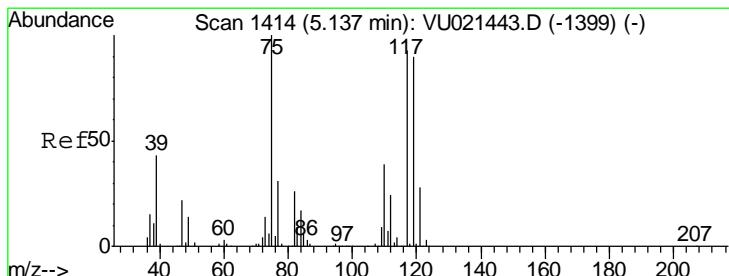
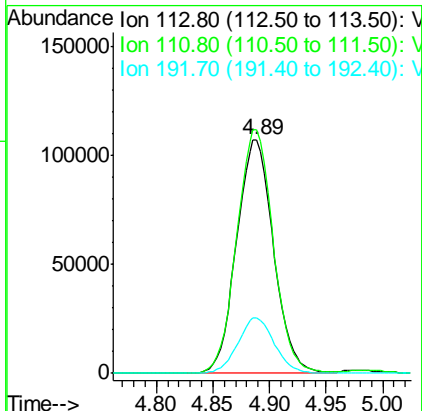
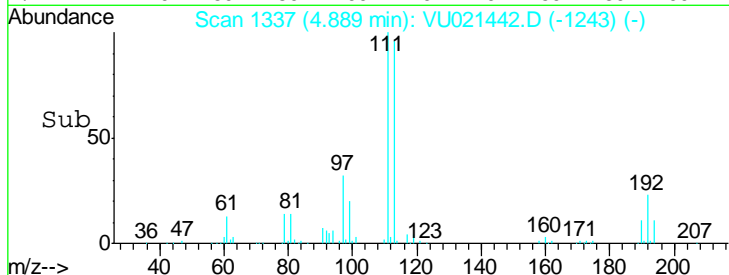


Tgt Ion: 113 Resp: 243967

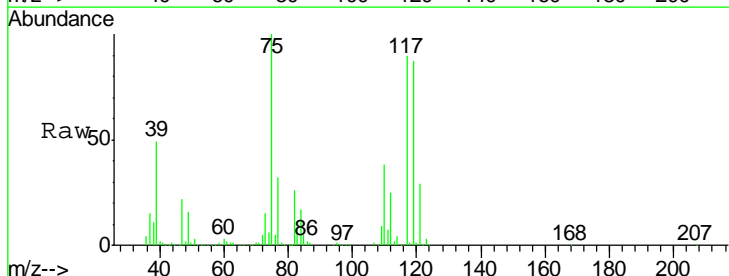
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.2	121.8
192	23.4	18.2	27.2

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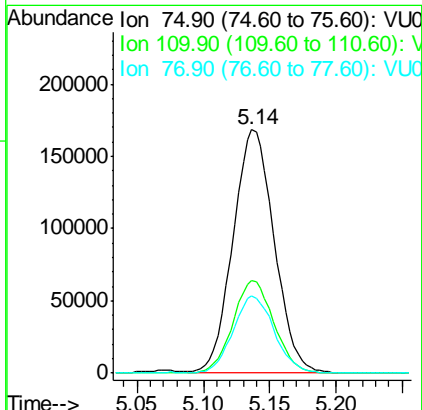
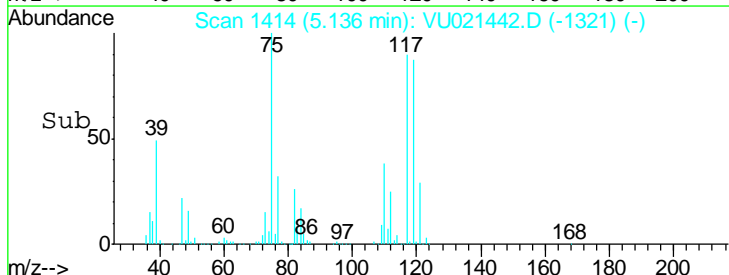


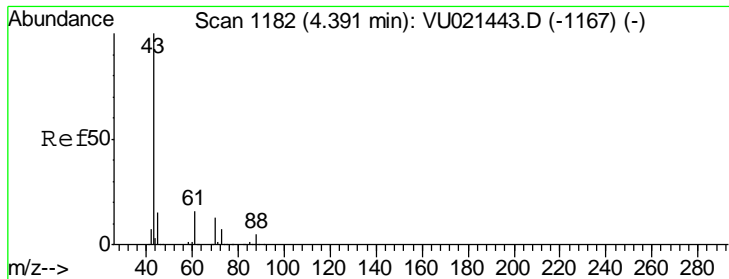
#36
 1,1-Dichloropropene
 Concen: 19.82 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49



Tgt Ion: 75 Resp: 360371

Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.5	55.5
77	31.4	25.0	37.6





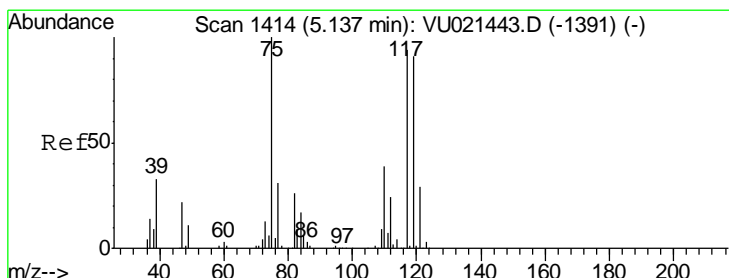
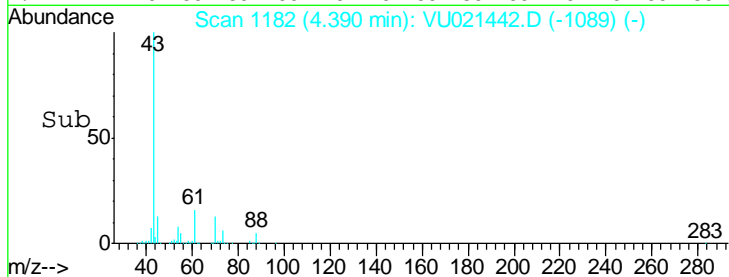
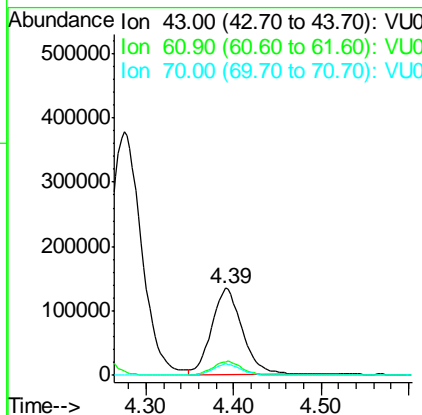
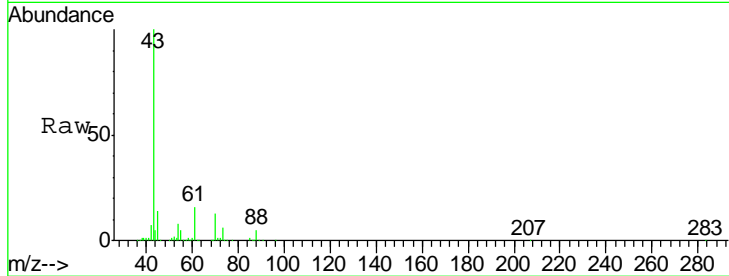
#37
Ethyl Acetate
Concen: 22.12 ug/l
RT: 4.39 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU021442.D
Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	12.5	8.6	12.8

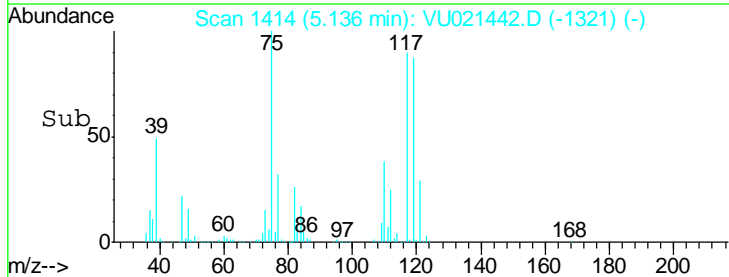
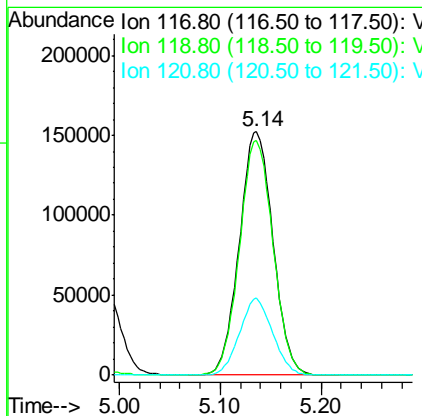
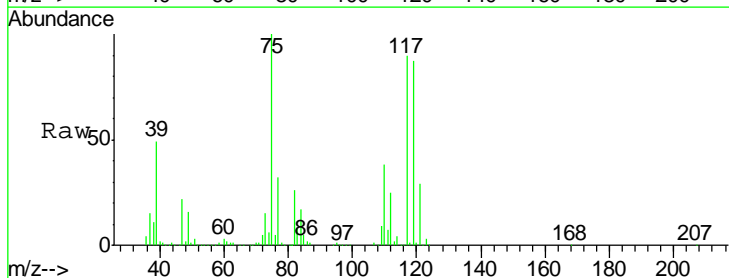
Manual Integrations
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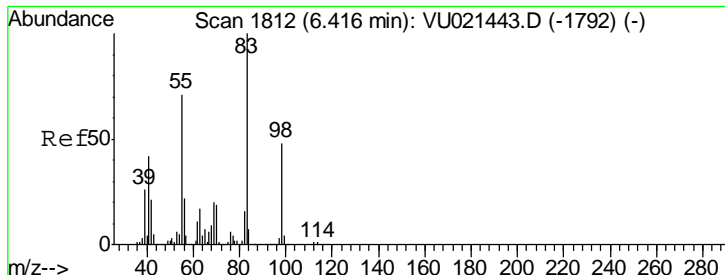
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#38
Carbon Tetrachloride
Concen: 17.31 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU021442.D
Acq: 03 Jan 2018 13:49

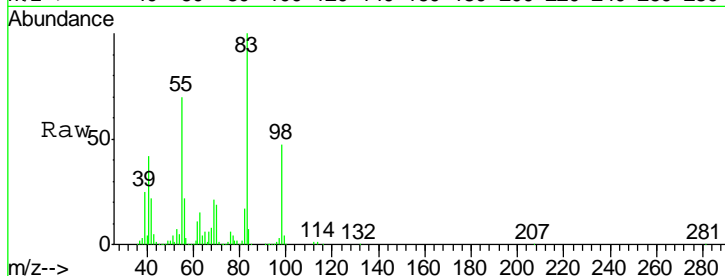
Tgt Ion	Resp	Lower	Upper
117	100		
119	96.5	77.3	115.9
121	31.5	24.9	37.3





#39
 Methylcyclohexane
 Concen: 19.02 ug/l
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

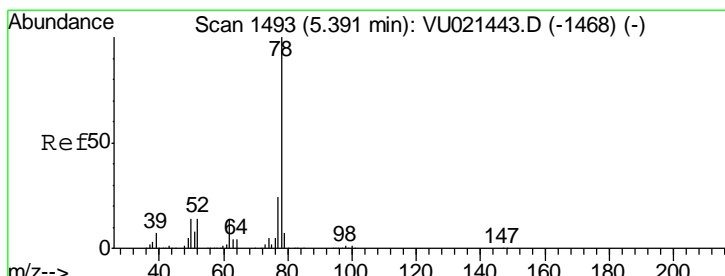
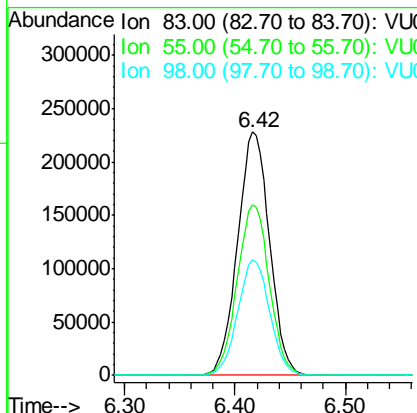
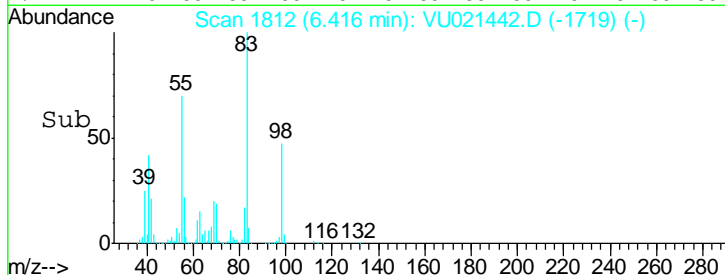
Instrument : MSVOA_U
 ClientSampled : VSTDIC020



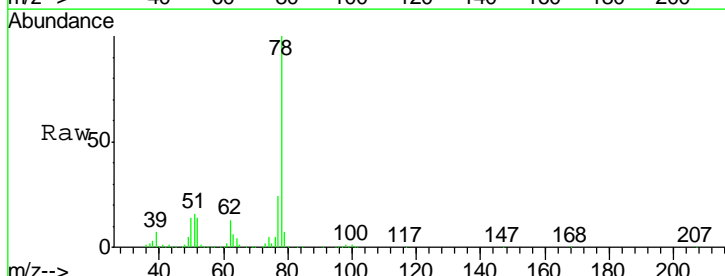
Tgt Ion: 83 Resp: 457505

Ion	Ratio	Lower	Upper
83	100		
55	70.1	61.6	92.4
98	47.5	37.4	56.2

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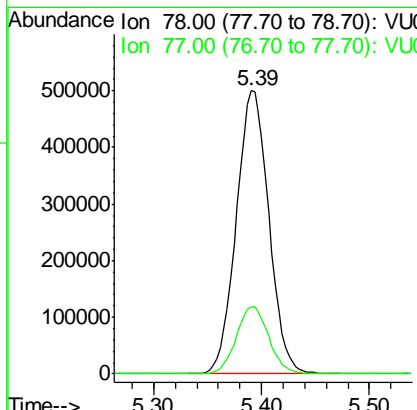
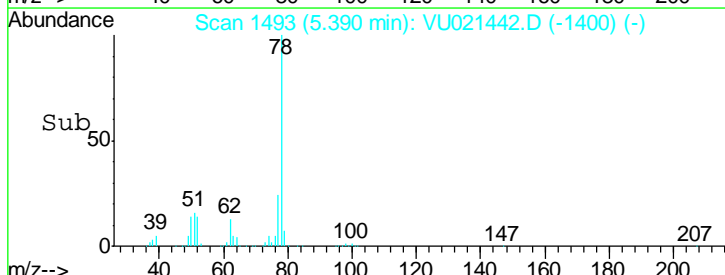


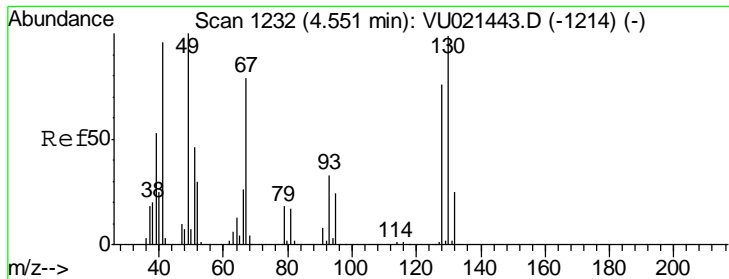
#40
 Benzene
 Concen: 19.46 ug/l
 RT: 5.39 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49



Tgt Ion: 78 Resp: 1053068

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





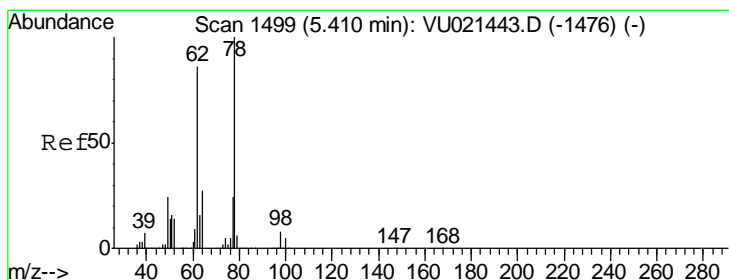
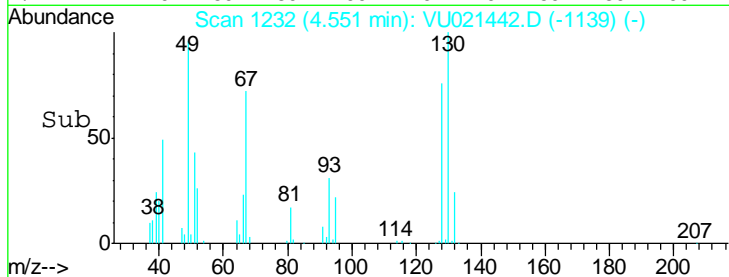
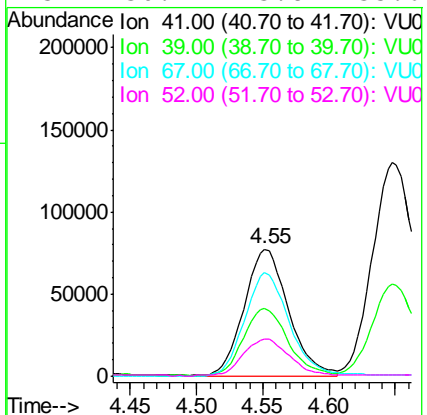
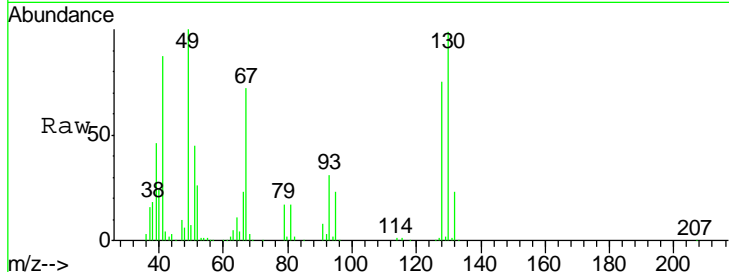
#41
 Methacrylonitrile
 Concen: 21.15 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
41	100		
39	53.6	41.5	62.3
67	83.7	61.0	91.6
52	30.2	23.8	35.6

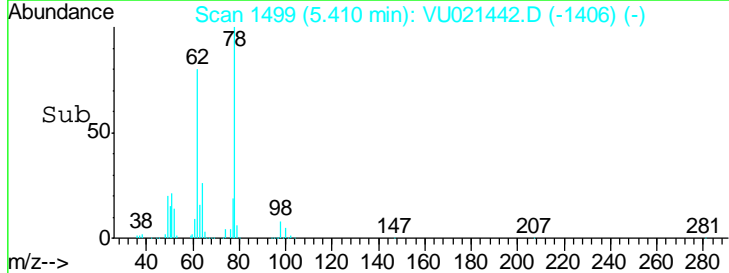
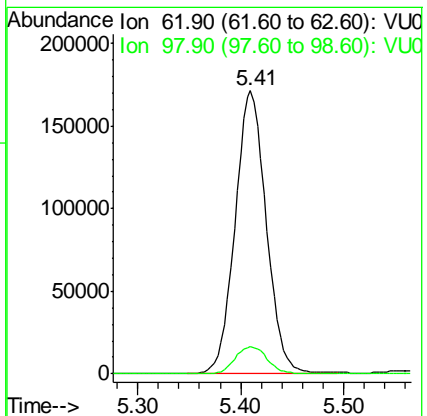
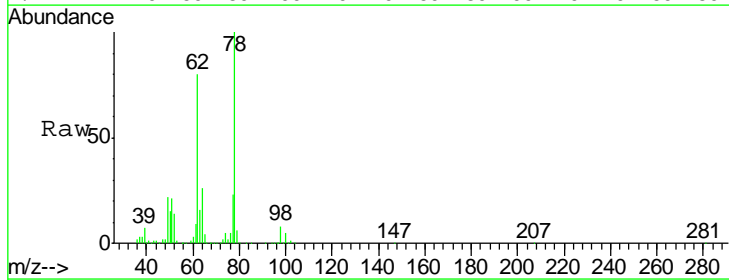
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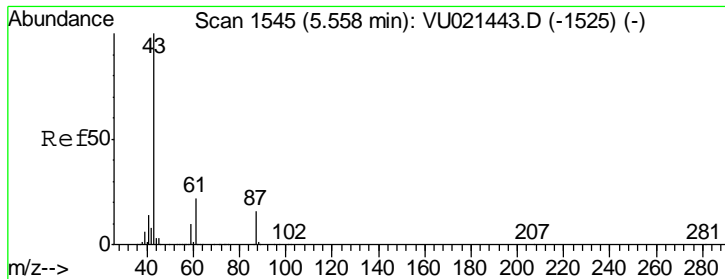
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#42
 1,2-Dichloroethane
 Concen: 19.69 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.9	0.0	18.4





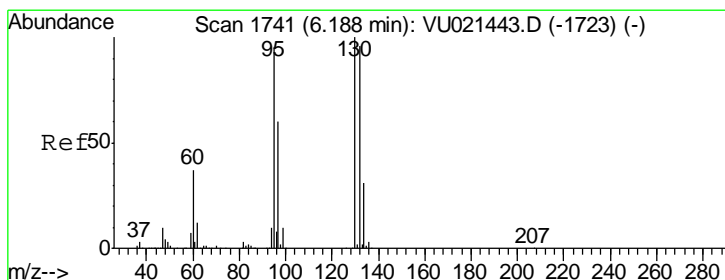
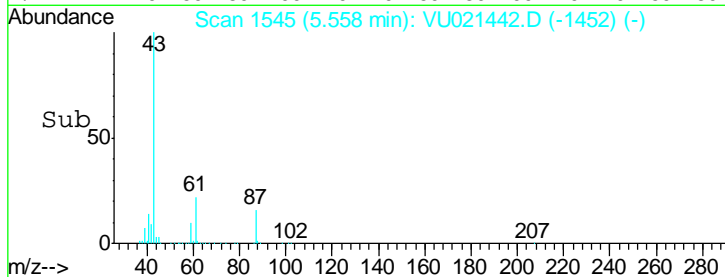
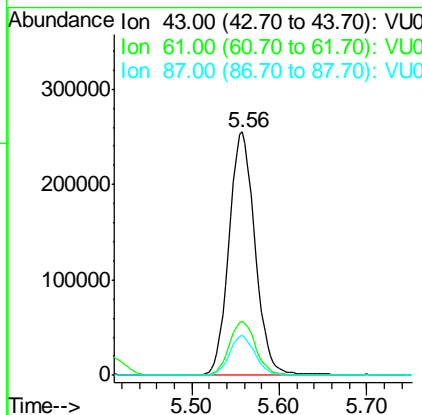
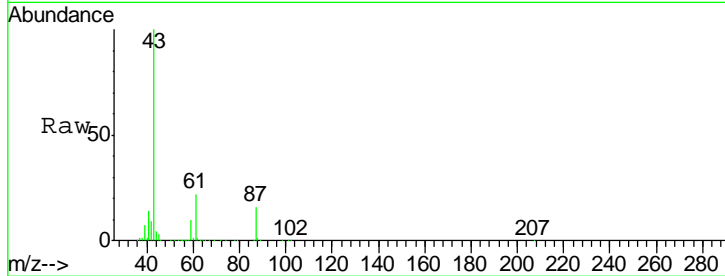
#43
 Isopropyl Acetate
 Concen: 19.82 ug/l
 RT: 5.56 min Scan# 1545
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
61	22.6	16.5	24.7
87	16.0	11.4	17.0

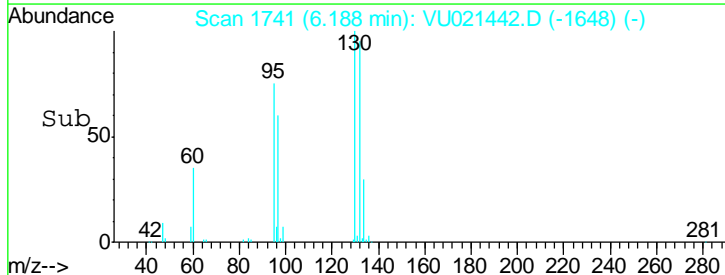
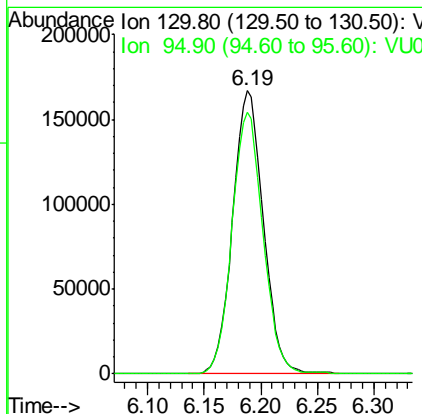
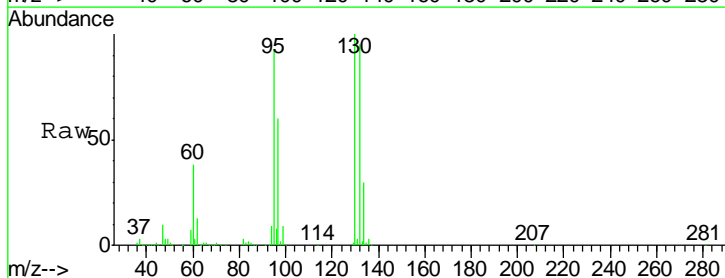
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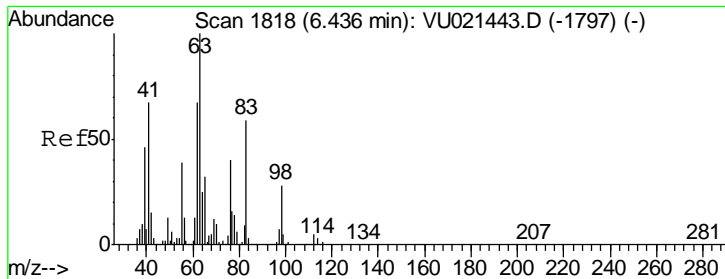
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#44
 Trichloroethene
 Concen: 18.43 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
130	100		
95	92.6	0.0	197.8





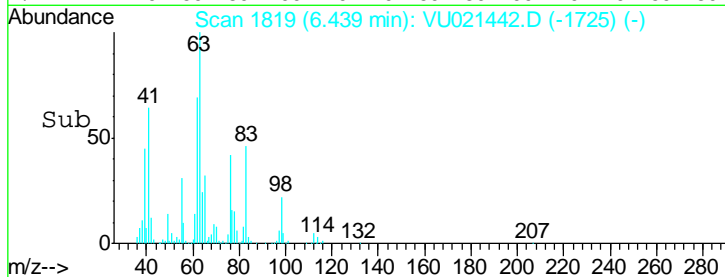
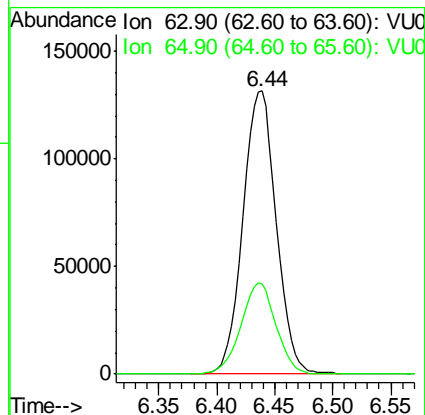
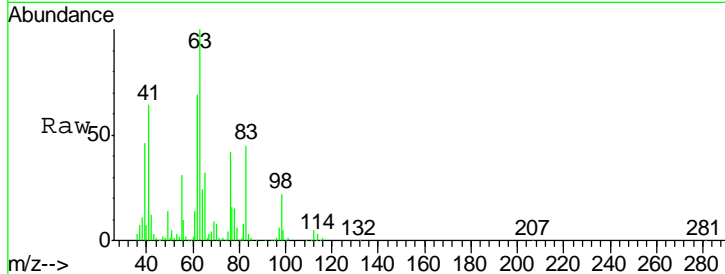
#45
 1,2-Dichloropropane
 Concen: 19.46 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.9	24.6	37.0

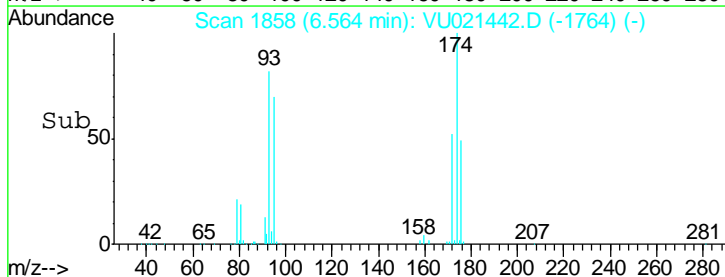
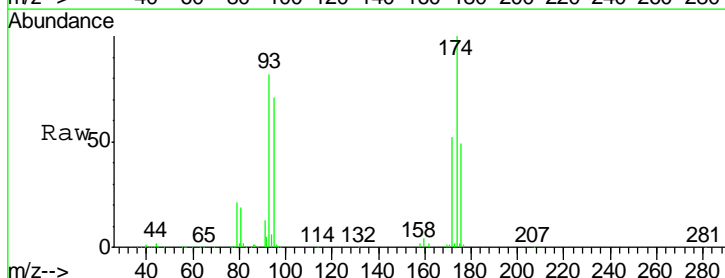
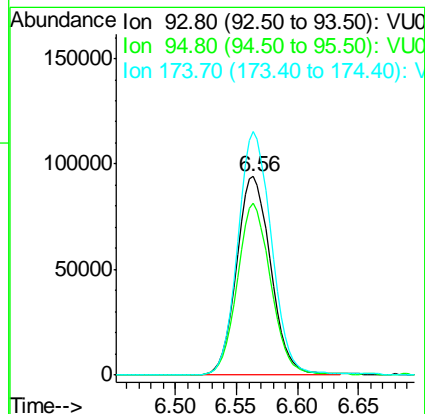
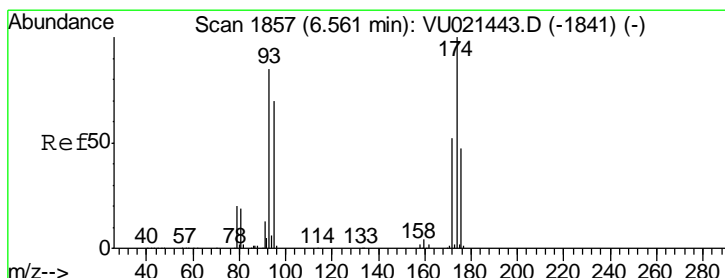
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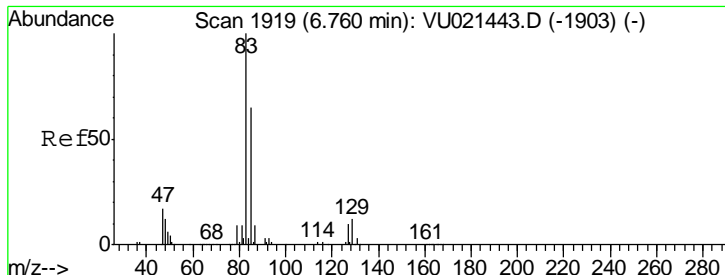
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#46
 Dibromomethane
 Concen: 18.24 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
93	100		
95	85.2	66.1	99.1
174	120.8	88.5	132.7





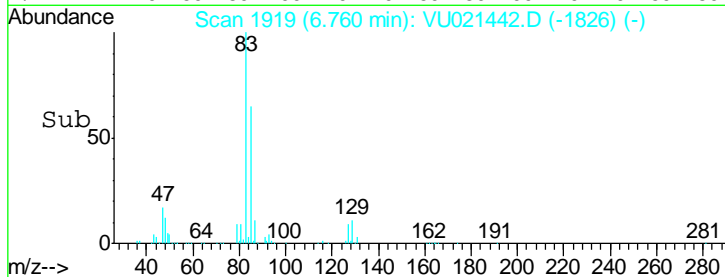
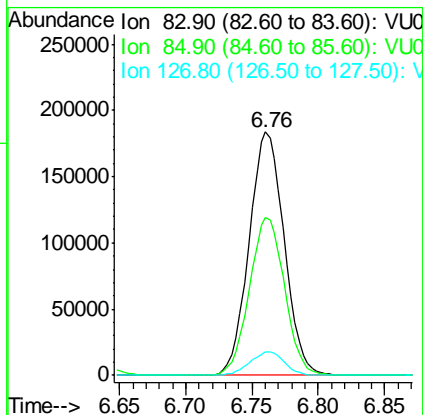
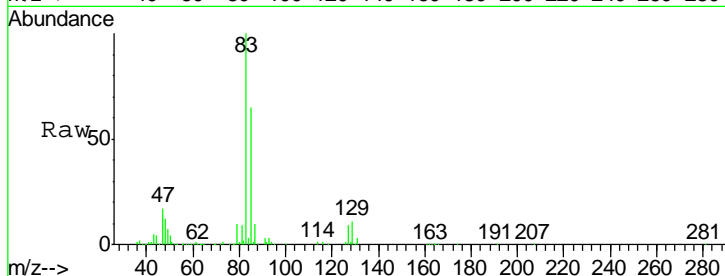
#47
 Bromodichloromethane
 Concen: 17.93 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	338378		
85	64.9	51.4	77.0
127	9.4	7.0	10.6

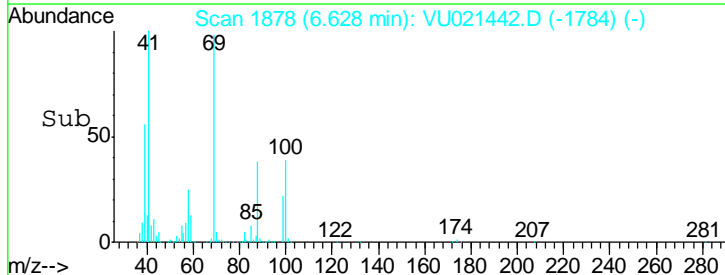
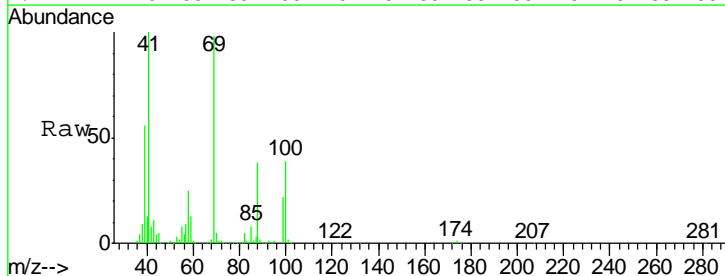
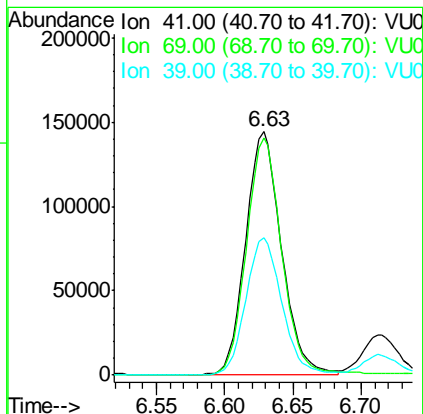
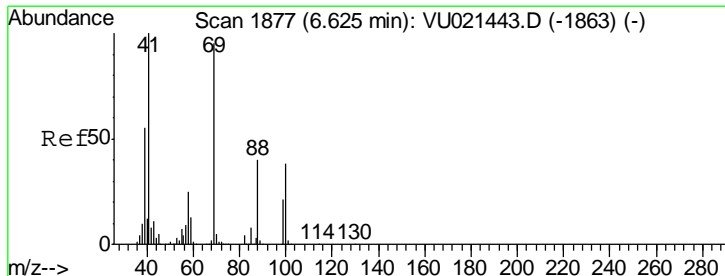
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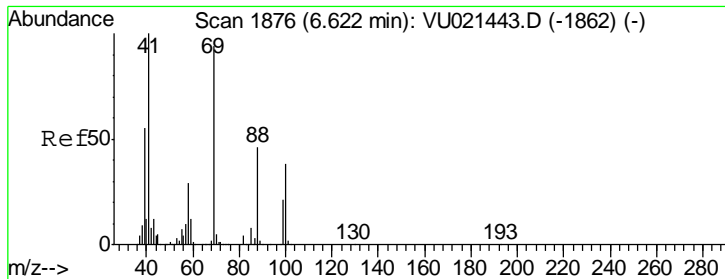
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#48
 Methyl methacrylate
 Concen: 20.59 ug/l
 RT: 6.63 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
41	262579		
69	97.0	70.6	105.8
39	56.3	41.6	62.4





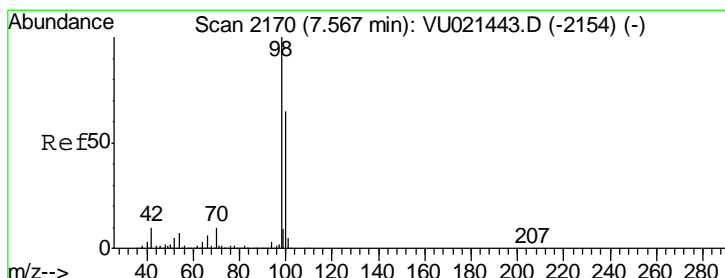
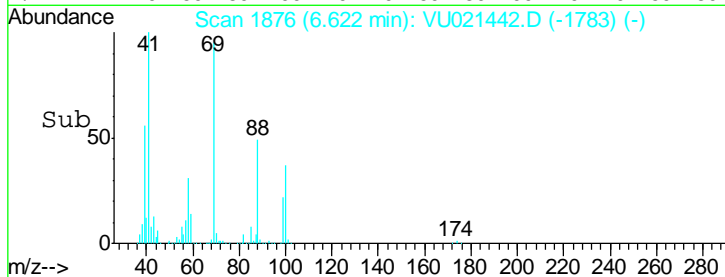
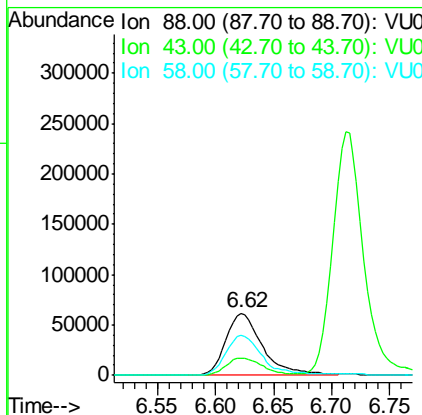
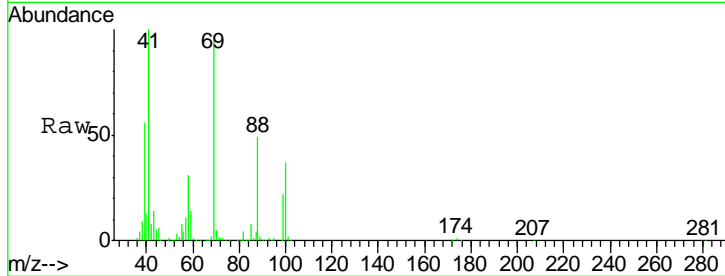
#49
 1,4-Dioxane
 Concen: 417.47 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
88	134309		
88	100		
43	27.7	23.7	35.5
58	64.2	57.4	86.0

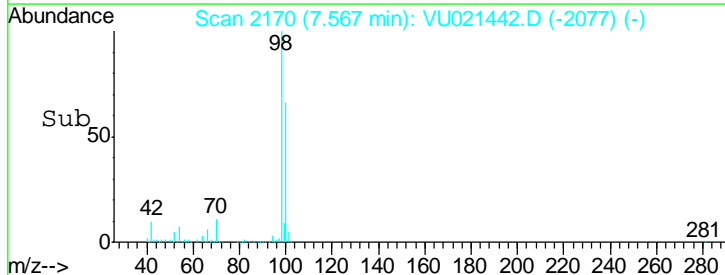
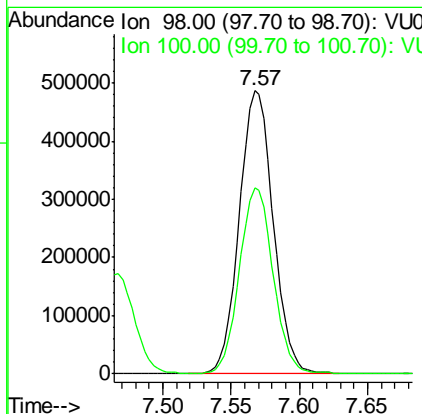
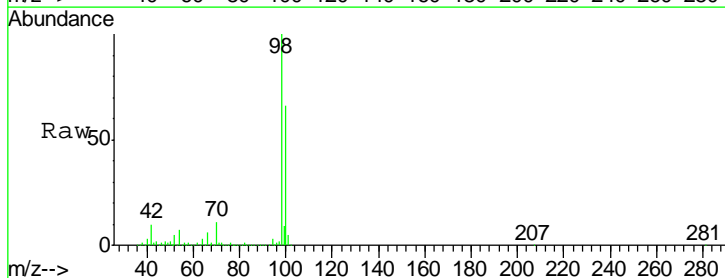
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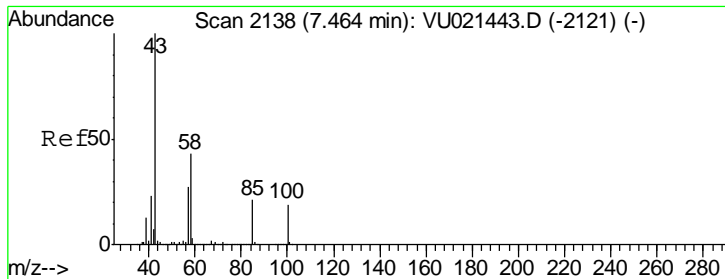
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#50
 Toluene-d8
 Concen: 19.06 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

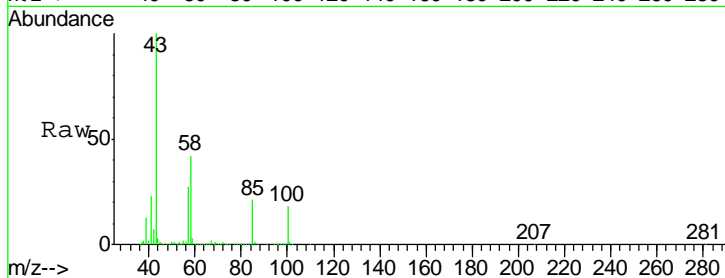
Tgt Ion	Resp	Lower	Upper
98	840869		
98	100		
100	65.0	50.5	75.7





#51
 4-Methyl-2-Pentanone
 Concen: 103.92 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

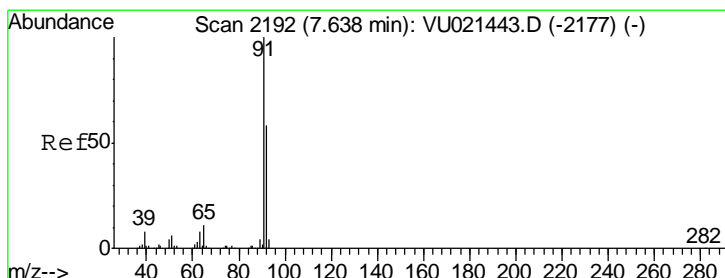
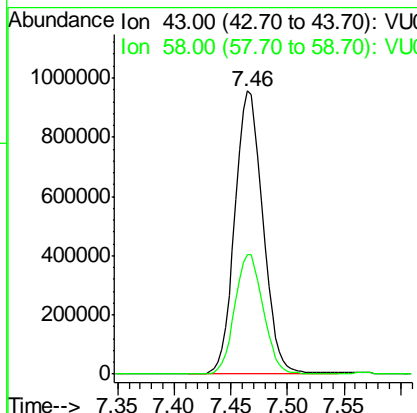
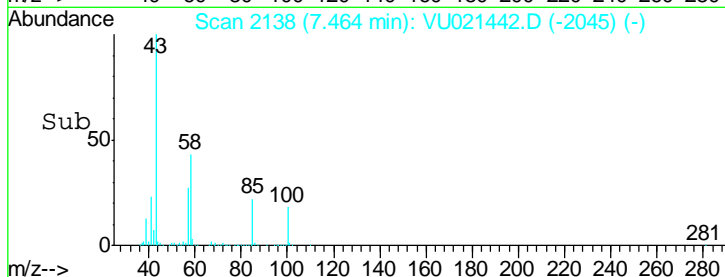
Instrument : MSVOA_U
 Client Sampled : VSTDIC020



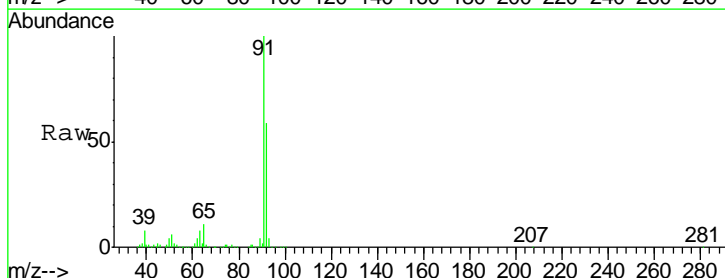
Tgt Ion: 43 Resp: 1658536
 Ion Ratio Lower Upper
 43 100
 58 42.8 32.4 48.6

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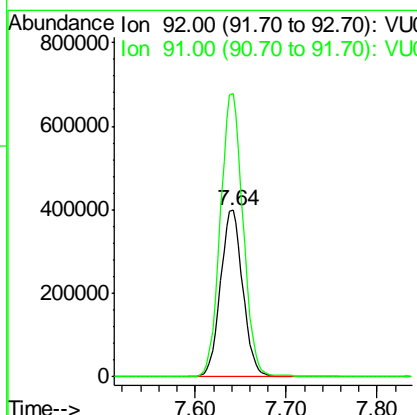
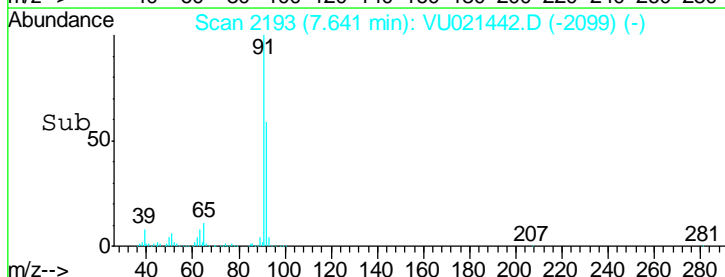
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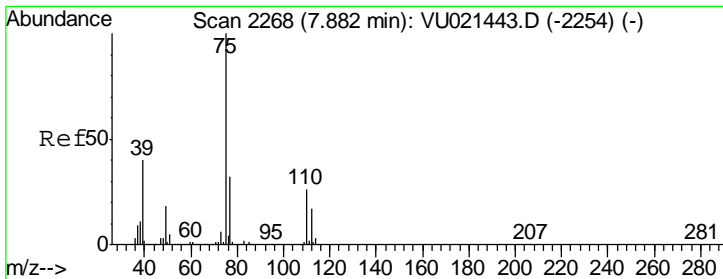


#52
 Toluene
 Concen: 19.00 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49



Tgt Ion: 92 Resp: 679819
 Ion Ratio Lower Upper
 92 100
 91 173.1 139.7 209.5





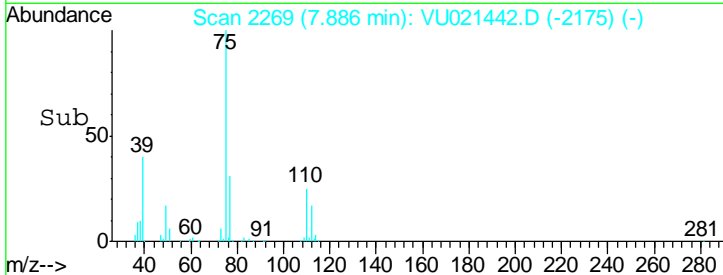
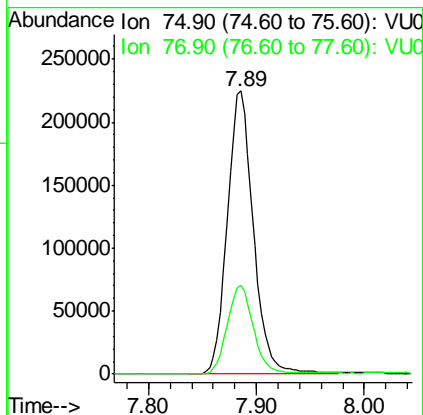
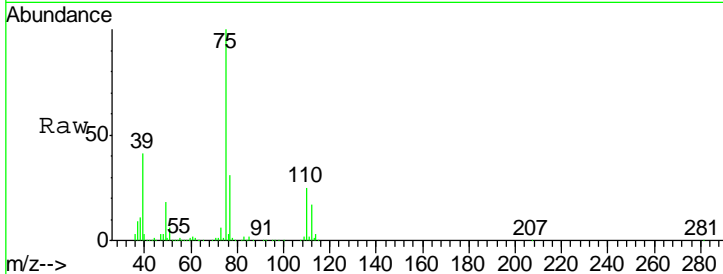
#53
 t-1,3-Dichloropropene
 Concen: 18.02 ug/l
 RT: 7.89 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	379934		
75	100		
77	31.3	24.9	37.3

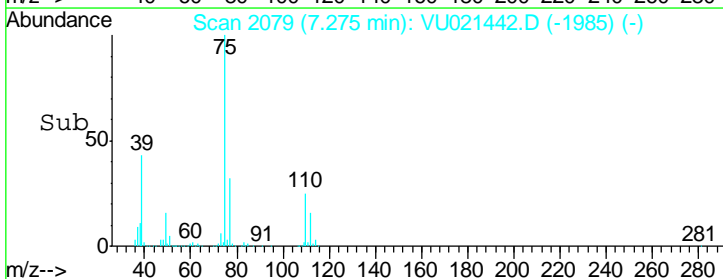
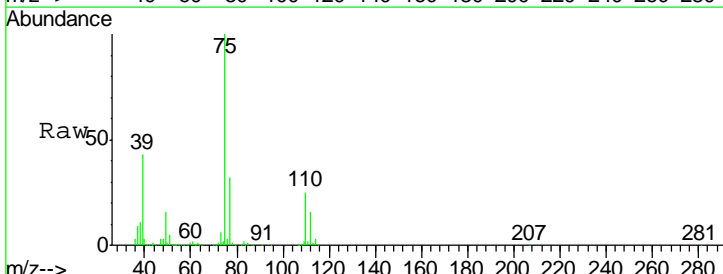
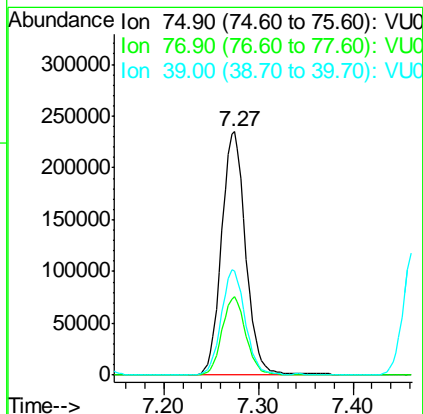
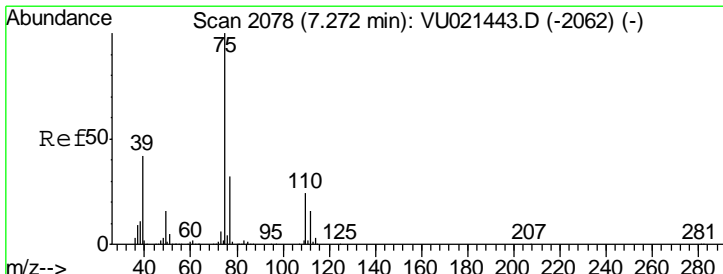
Manual Integrations
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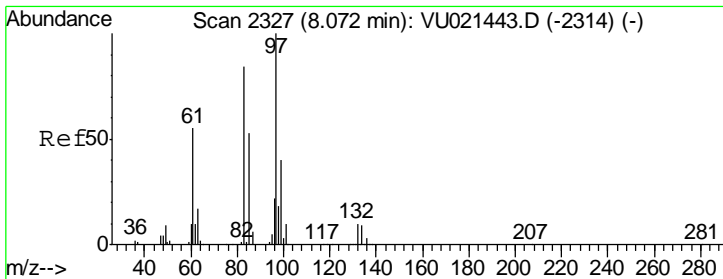
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#54
 cis-1,3-Dichloropropene
 Concen: 18.64 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

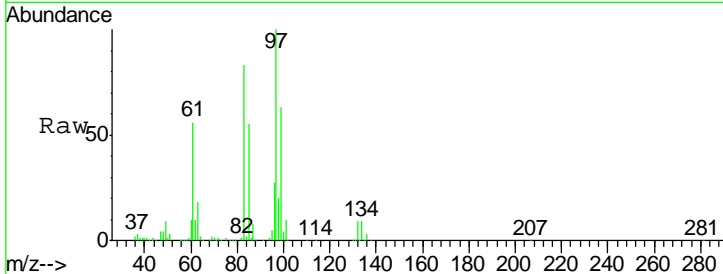
Tgt Ion	Resp	Lower	Upper
75	418203		
75	100		
77	31.9	25.5	38.3
39	42.6	34.2	51.4





#55
 1,1,2-Trichloroethane
 Concen: 18.67 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

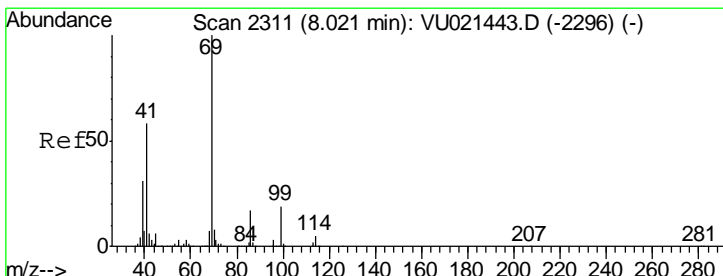
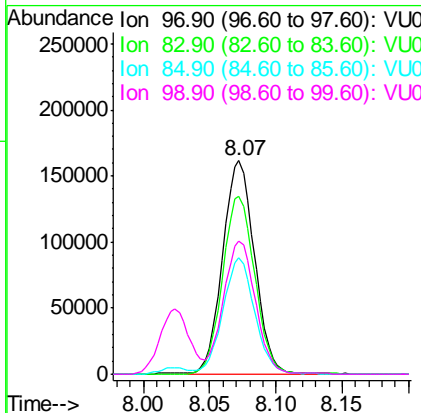
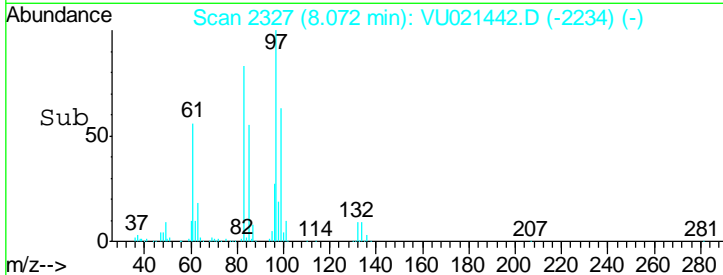
Instrument : MSVOA_U
 ClientSampled : VSTDIC020



Tgt Ion: 97 Resp: 268480

Ion	Ratio	Lower	Upper
97	100		
83	83.3	70.6	106.0
85	54.5	46.8	70.2
99	62.5	51.1	76.7

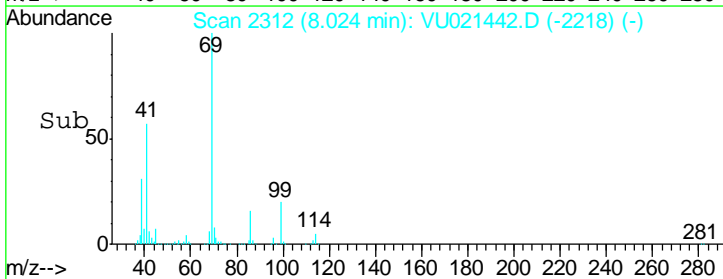
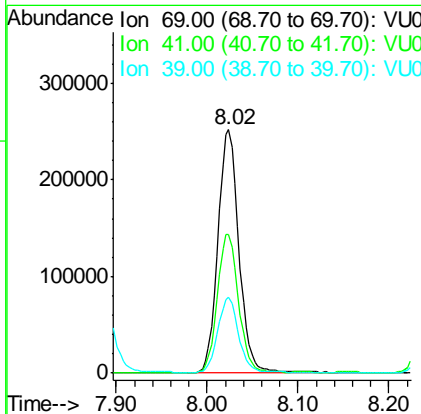
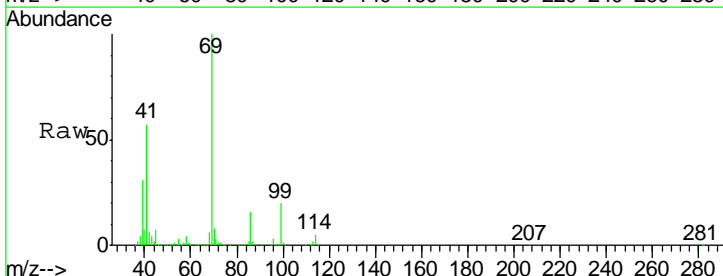
Manual Integrations APPROVED
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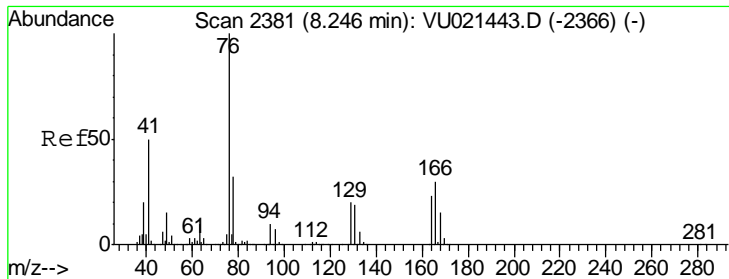


#56
 Ethyl methacrylate
 Concen: 20.32 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion: 69 Resp: 405787

Ion	Ratio	Lower	Upper
69	100		
41	57.2	50.1	75.1
39	30.3	25.2	37.8





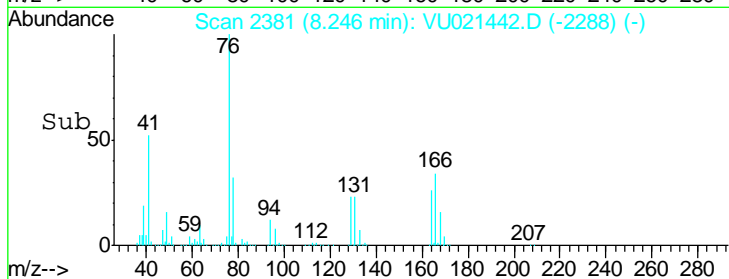
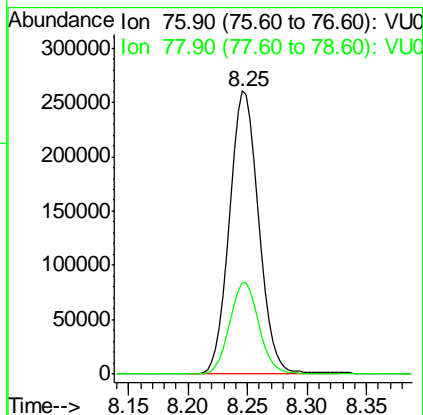
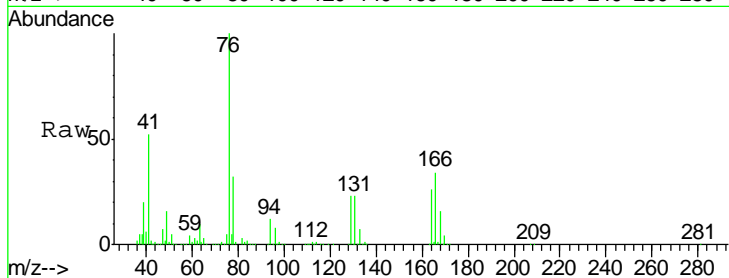
#57
 1,3-Dichloropropane
 Concen: 19.80 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	445652		
76	100		
78	32.5	25.7	38.5

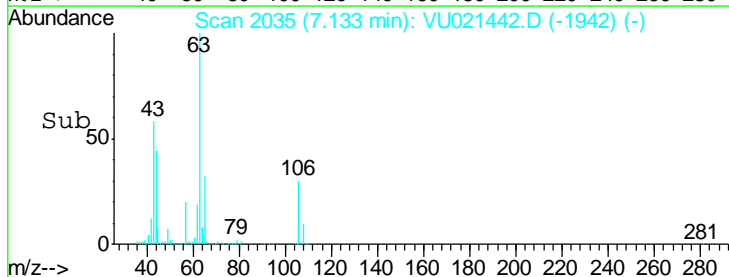
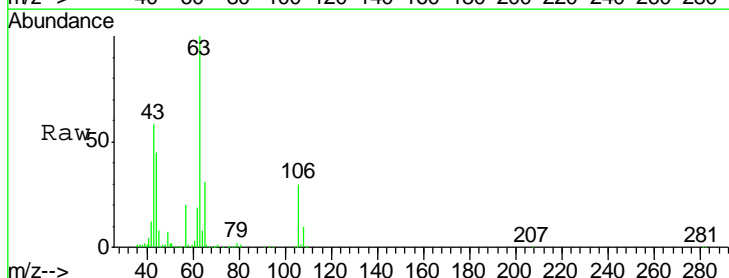
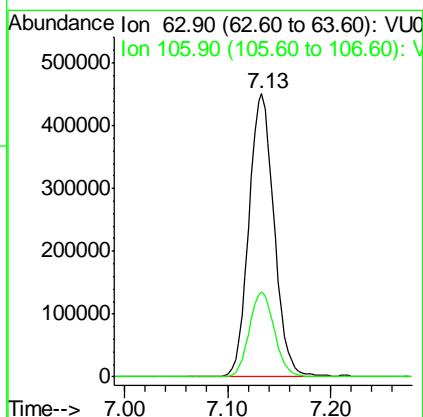
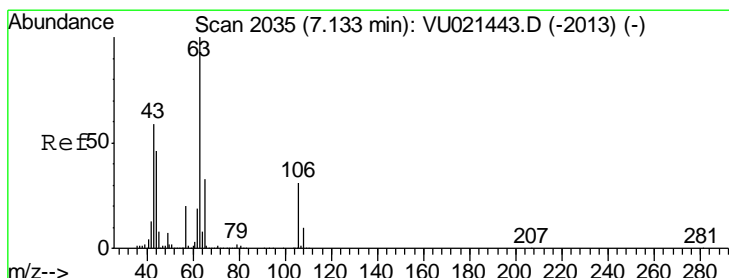
Manual Integrations
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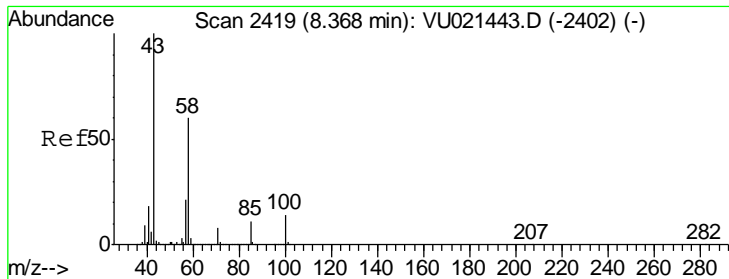
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#58
 2-Chloroethyl Vinyl ether
 Concen: 115.73 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
63	765175		
63	100		
106	30.0	21.8	32.8





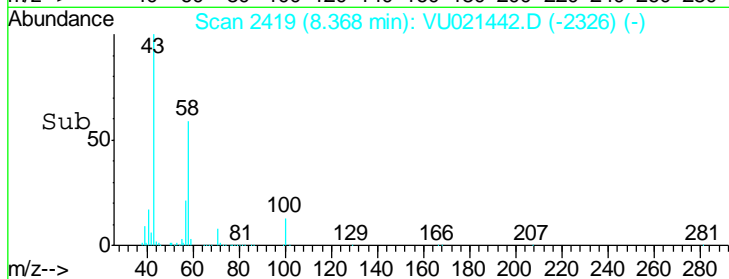
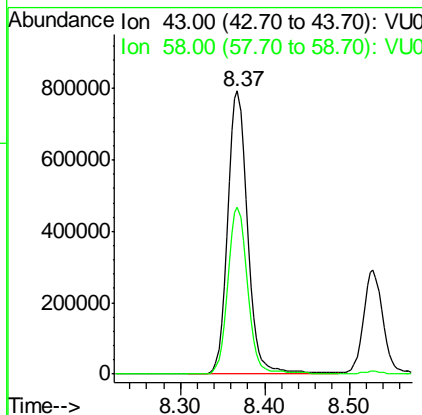
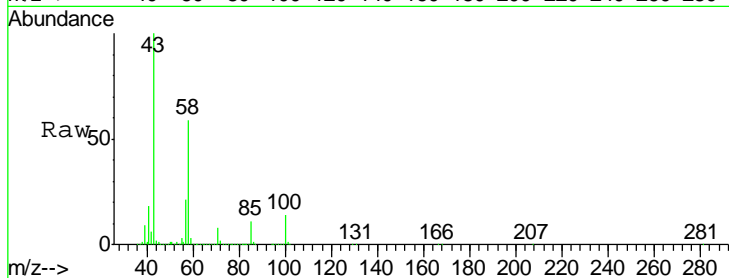
#59
 2-Hexanone
 Concen: 103.78 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	59.1	27.9	83.7

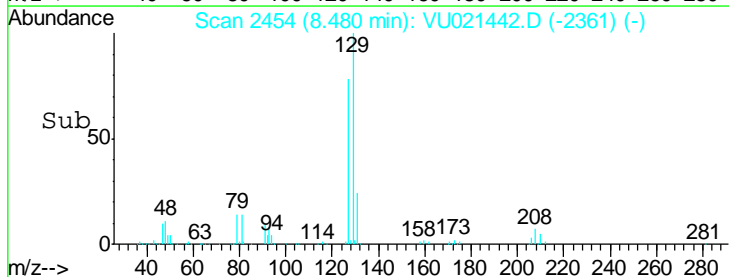
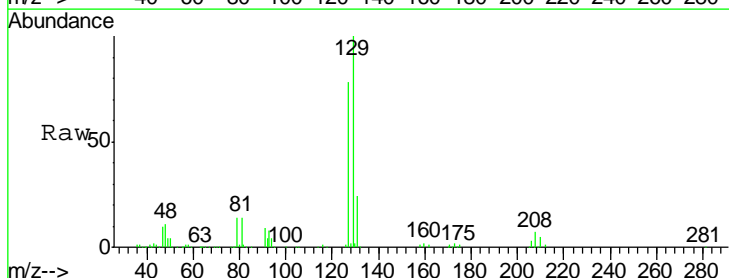
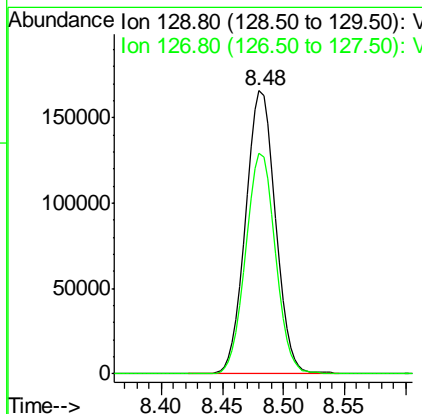
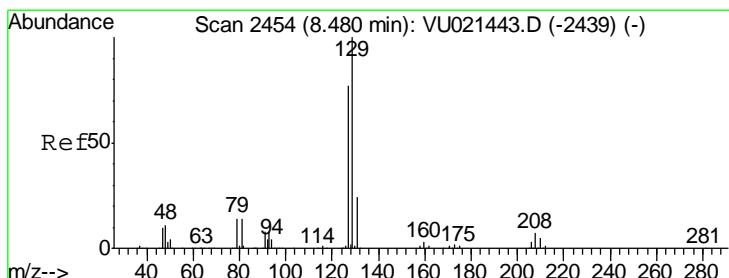
Manual Integrations
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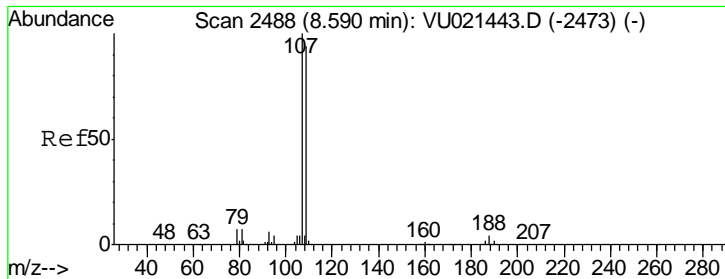
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#60
 Dibromochloromethane
 Concen: 16.62 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.8	38.2	114.6





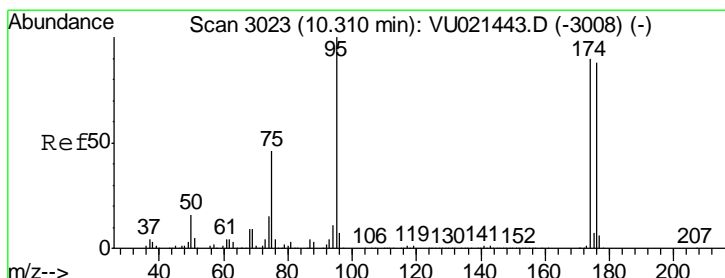
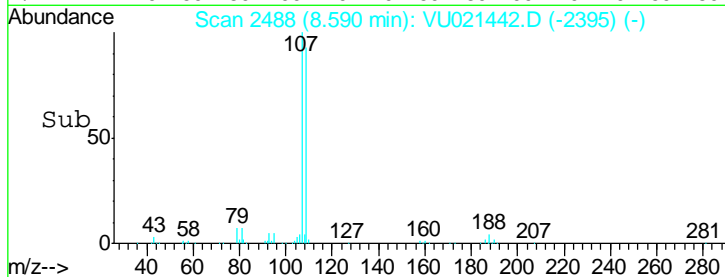
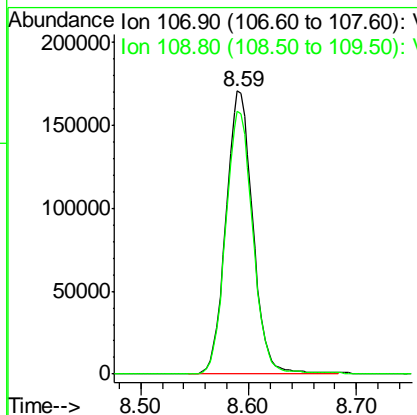
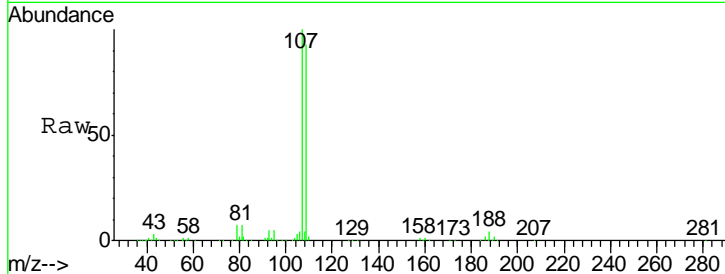
#61
 1,2-Dibromoethane
 Concen: 18.89 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
107	296695		
109	94.3	76.0	114.0

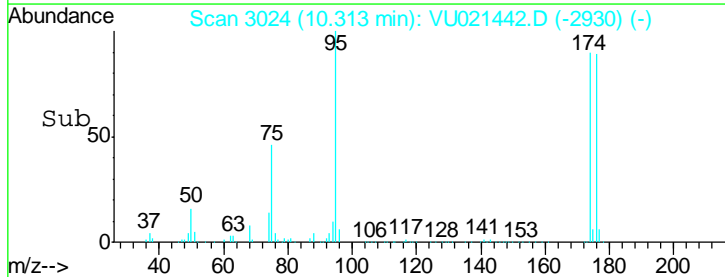
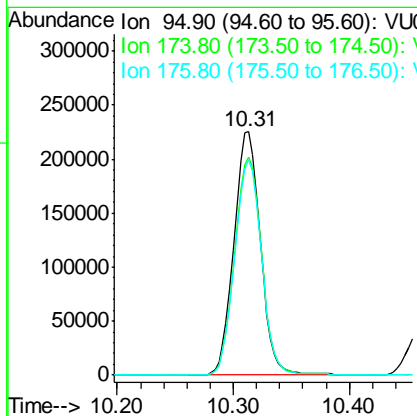
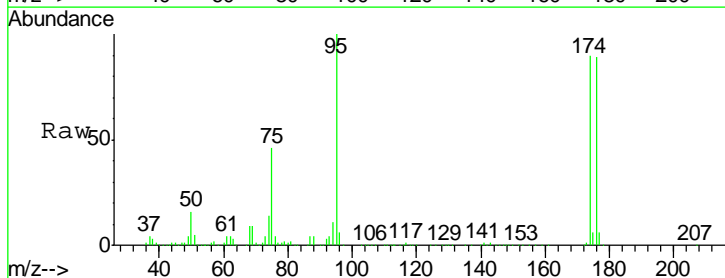
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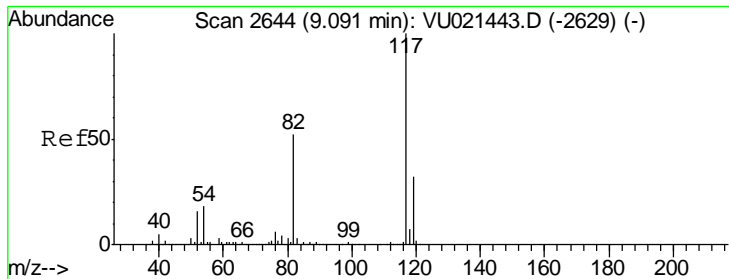
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#62
 4-Bromofluorobenzene
 Concen: 18.83 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

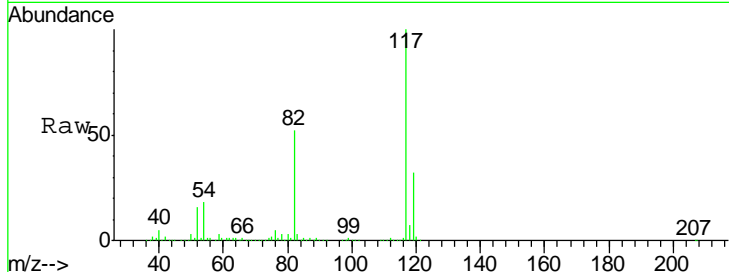
Tgt Ion	Resp	Lower	Upper
95	355331		
174	91.7	0.0	185.4
176	89.8	0.0	178.4





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

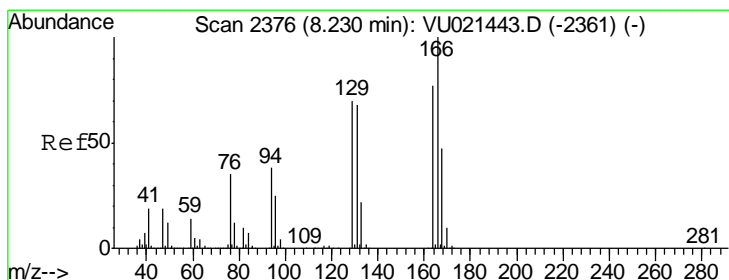
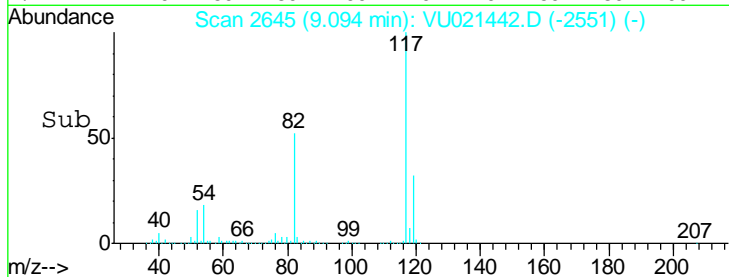
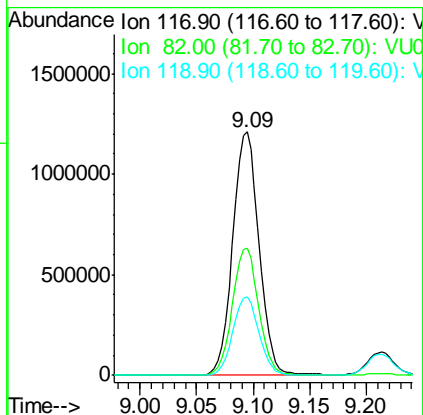


Tgt Ion: 117 Resp: 1961140

Ion	Ratio	Lower	Upper
117	100		
82	52.3	43.0	64.4
119	32.2	25.6	38.4

Manual Integrations
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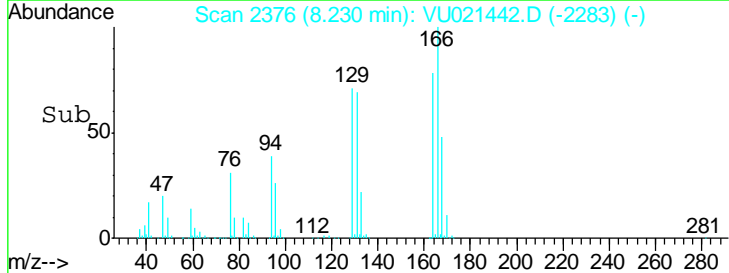
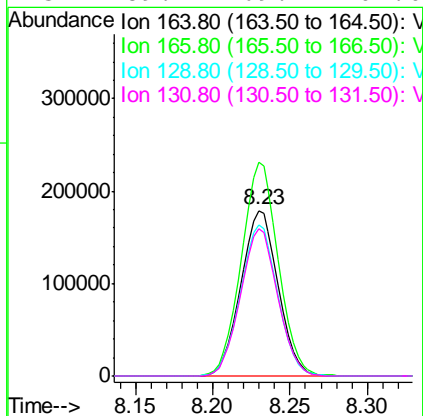
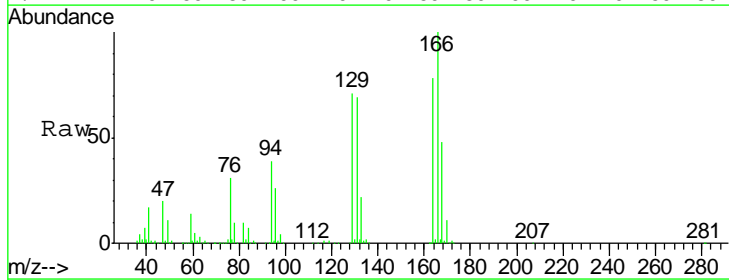
1/4/2018 11:18:46 AM

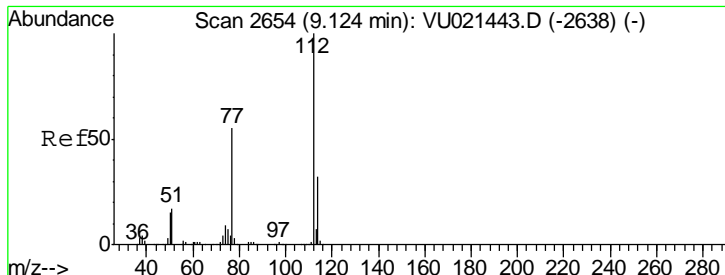


#64
 Tetrachloroethene
 Concen: 17.96 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion: 164 Resp: 299215

Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.3	153.5
129	91.4	71.4	107.2
131	89.1	69.4	104.0





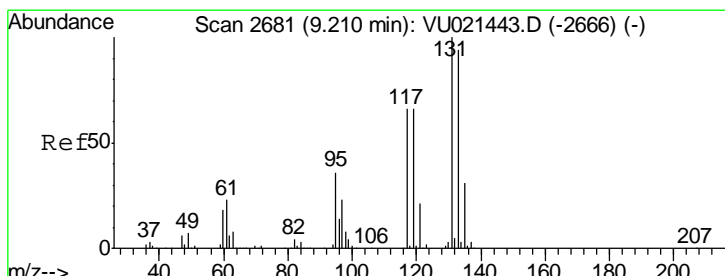
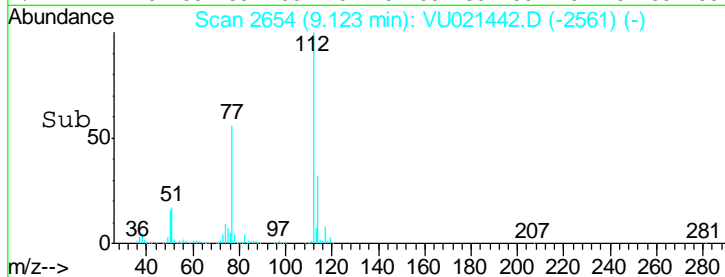
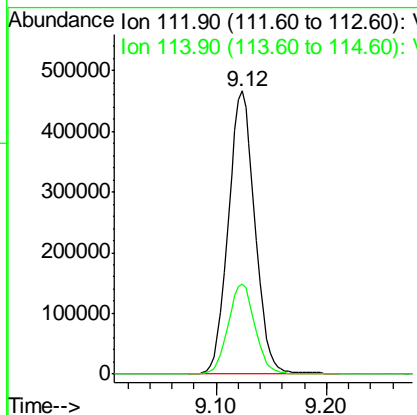
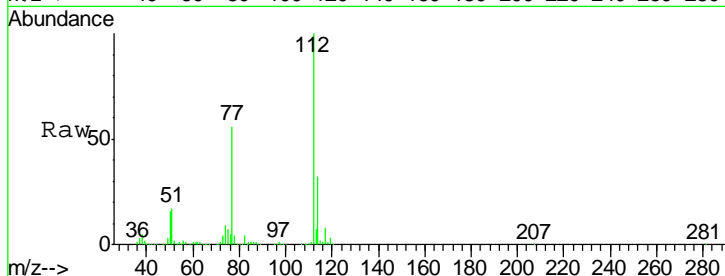
#65
 Chlorobenzene
 Concen: 19.17 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
112	778663		
114	32.0	25.6	38.4

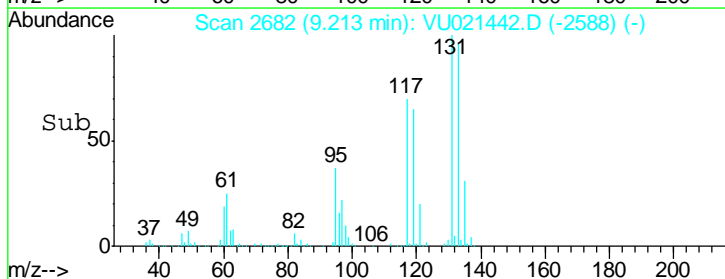
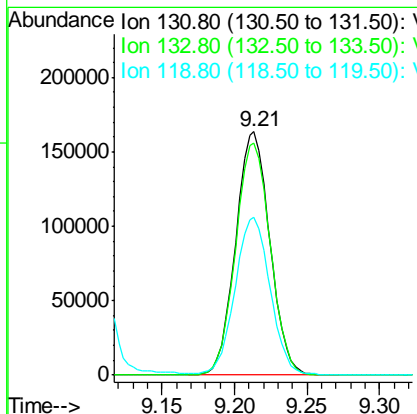
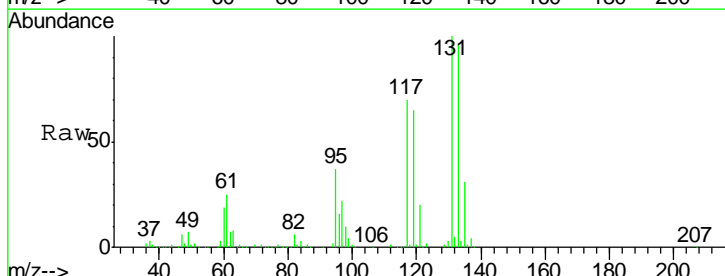
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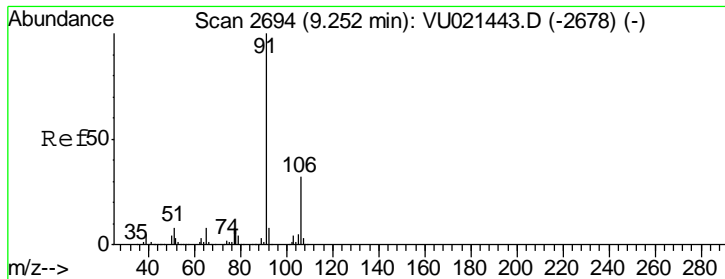
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 17.69 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
131	267811		
133	96.9	47.2	141.6
119	66.1	32.1	96.5





#67
 Ethyl Benzene
 Concen: 19.52 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

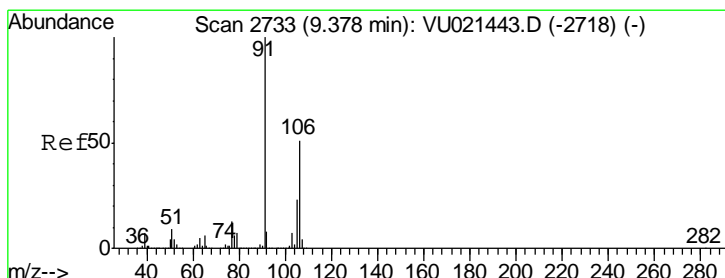
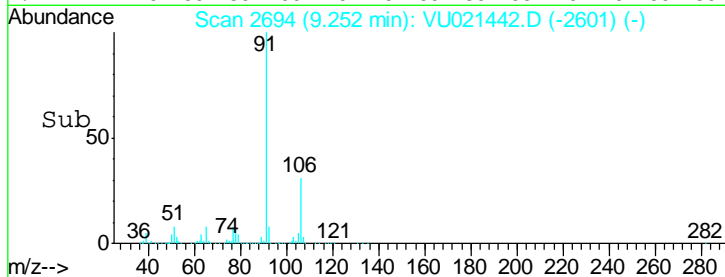
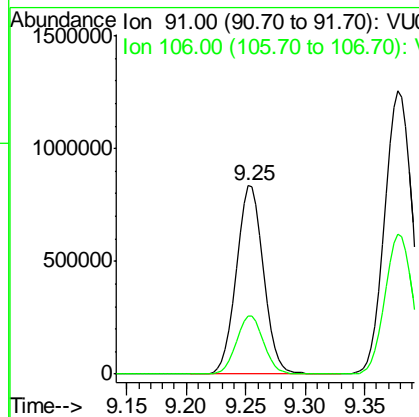
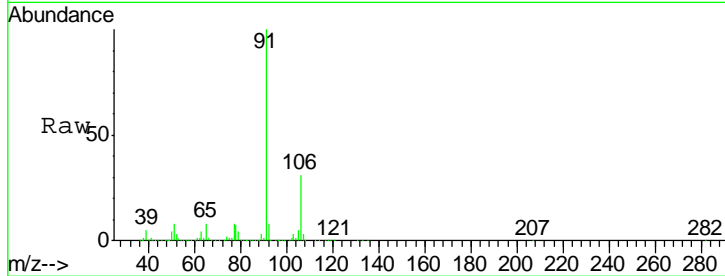
Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion: 91 Resp: 1326338

Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.0	37.4

Manual Integrations
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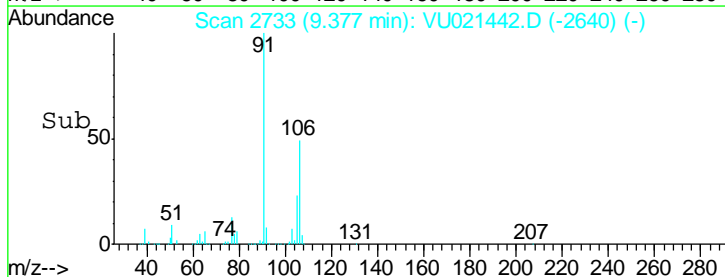
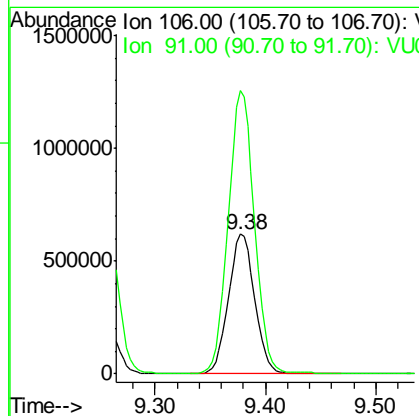
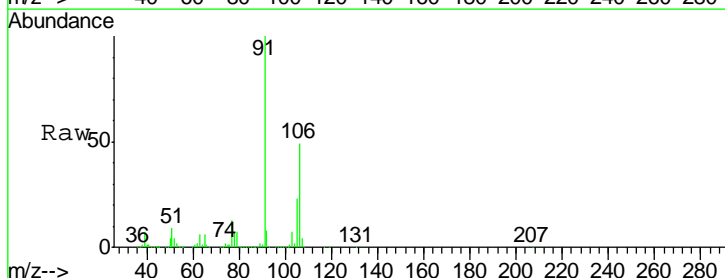
1/4/2018 11:18:46 AM

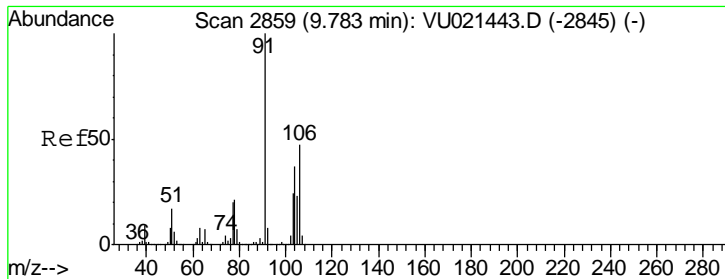


#68
 m/p-Xylenes
 Concen: 38.07 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion: 106 Resp: 1021243

Ion	Ratio	Lower	Upper
106	100		
91	202.5	160.2	240.4





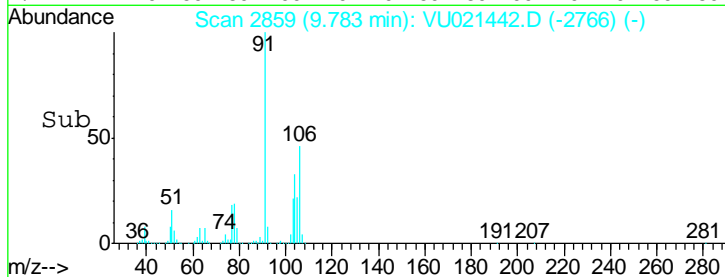
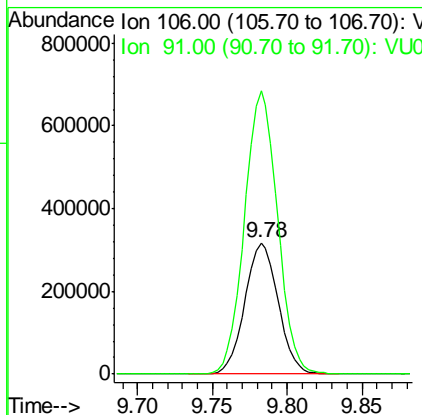
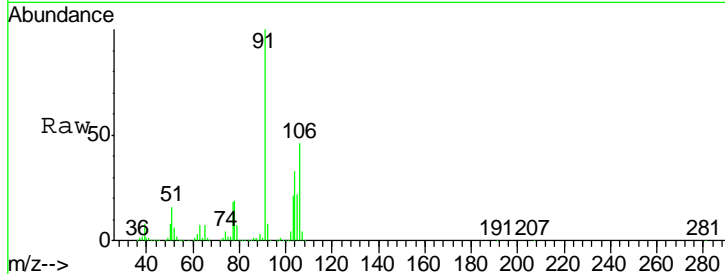
#69
 o-Xylene
 Concen: 18.72 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
106	493501		
106	100		
91	214.0	106.7	320.1

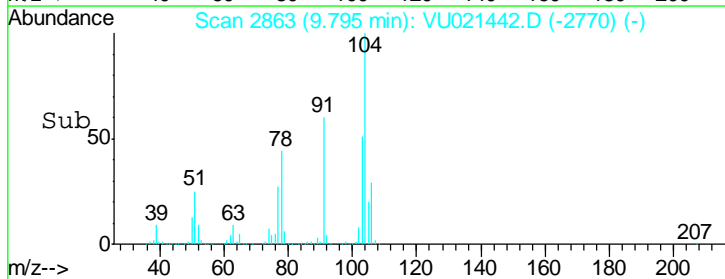
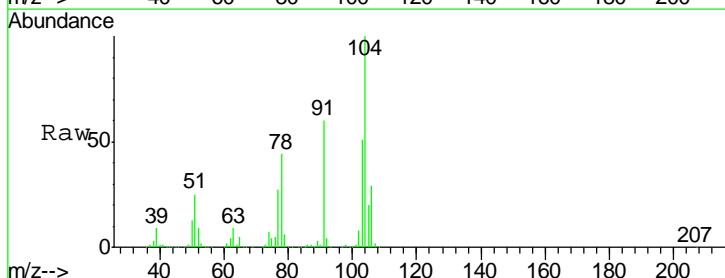
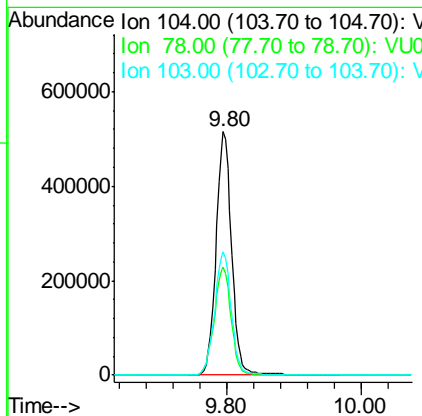
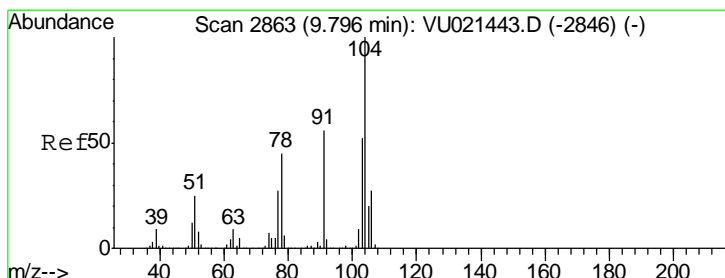
Manual Integrations
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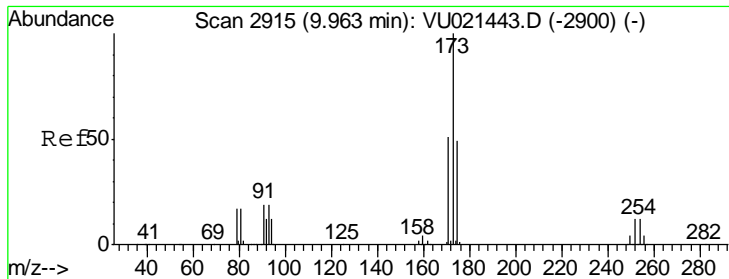
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#70
 Styrene
 Concen: 19.38 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

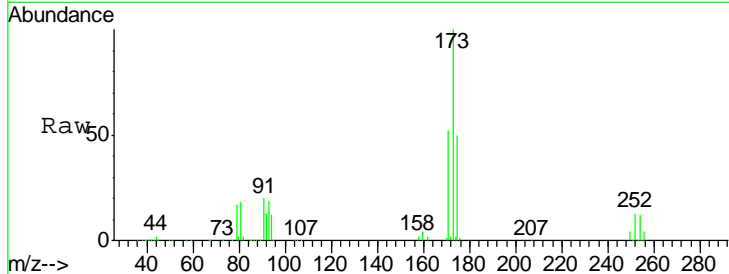
Tgt Ion	Resp	Lower	Upper
104	834141		
104	100		
78	48.0	38.4	57.6
103	54.1	44.0	66.0





#71
 Bromoform
 Concen: 15.70 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

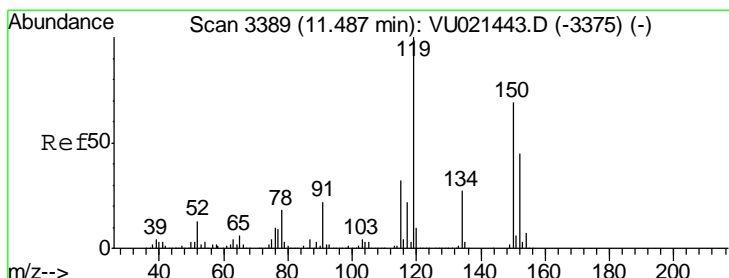
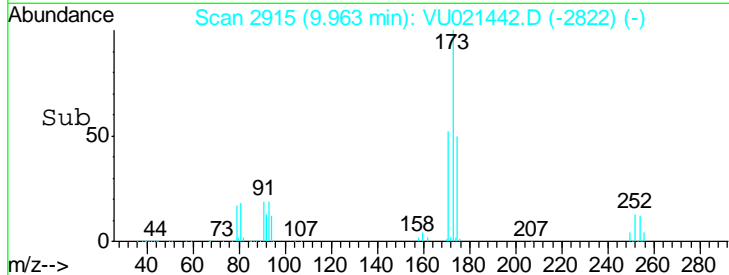
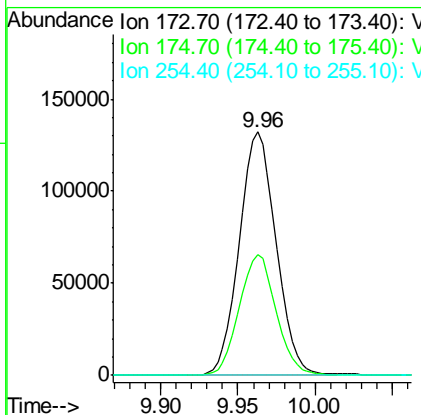
Instrument : MSVOA_U
 ClientSampled : VSTDIC020



Tgt Ion	Resp	Lower	Upper
173	100		
175	49.8	24.6	73.6
254	0.1	0.1	0.1

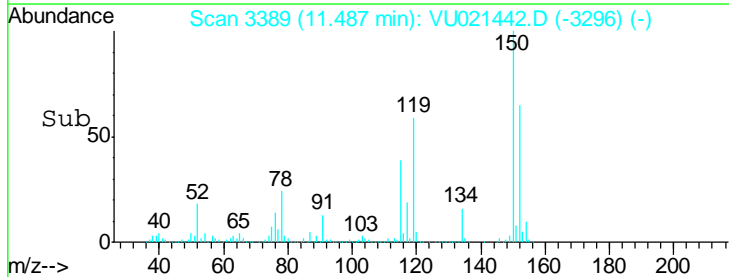
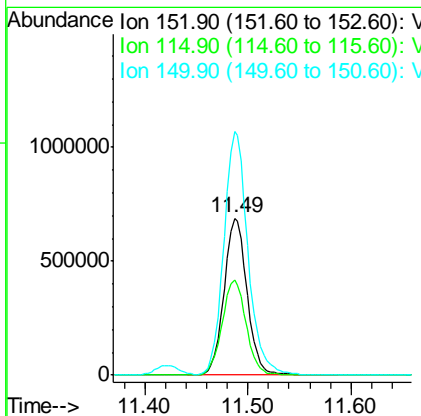
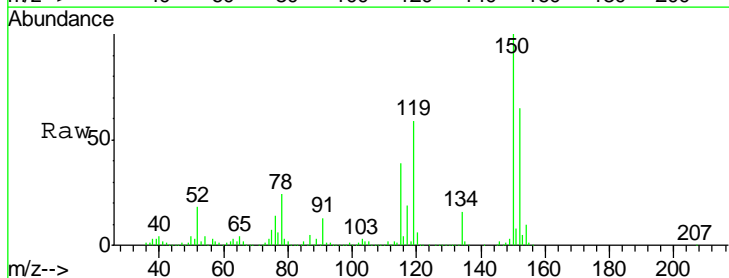
Manual Integrations
 APPROVED

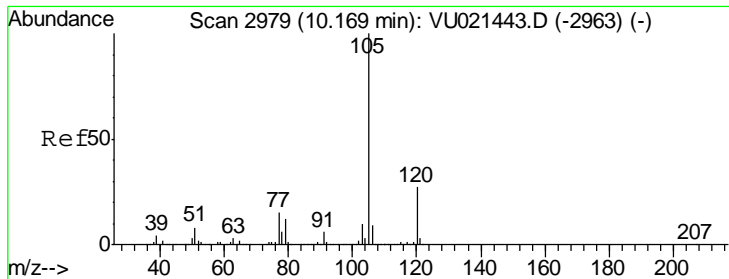
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
152	100		
115	63.3	38.2	114.6
150	162.7	0.0	346.2





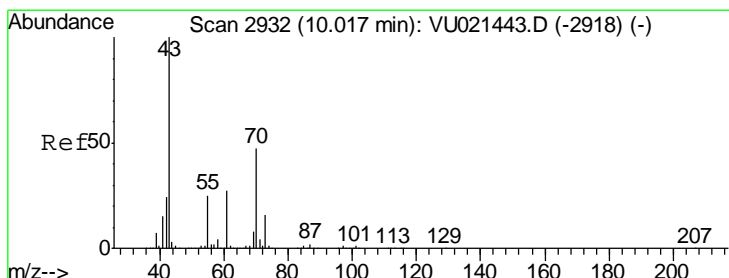
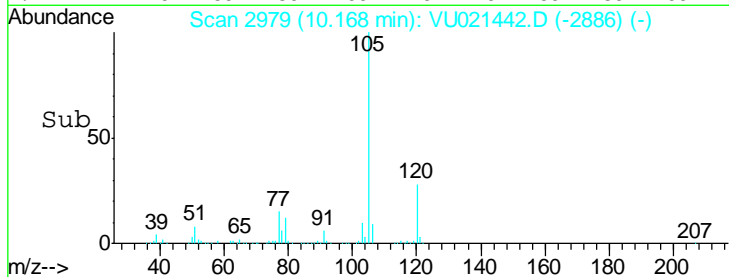
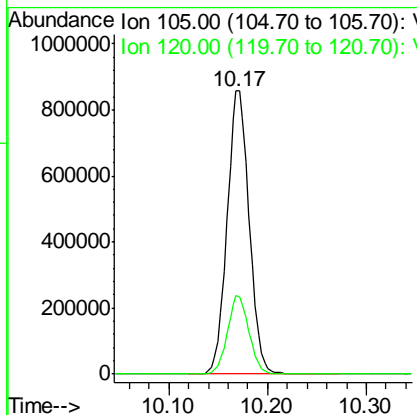
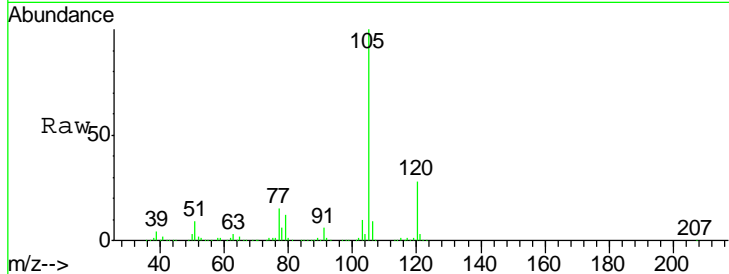
#73
 Isopropylbenzene
 Concen: 19.63 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	1346745		
105	100		
120	27.1	13.3	39.9

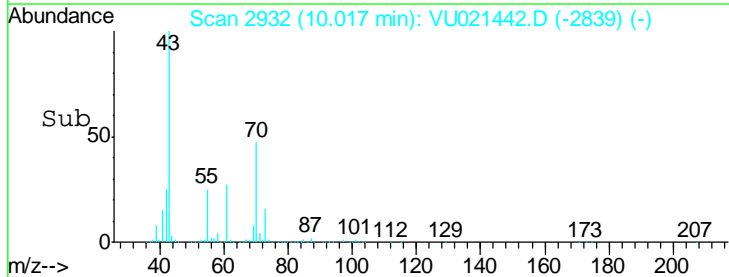
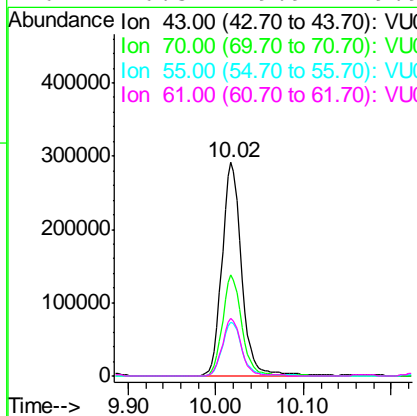
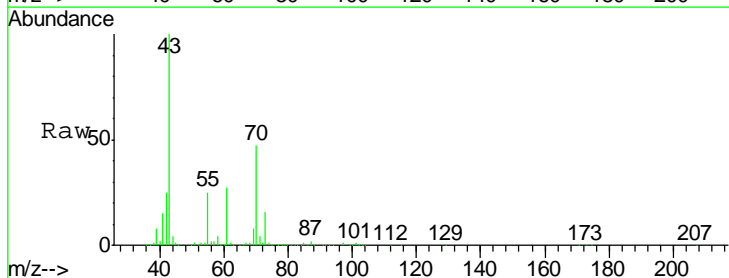
Manual Integrations
 APPROVED

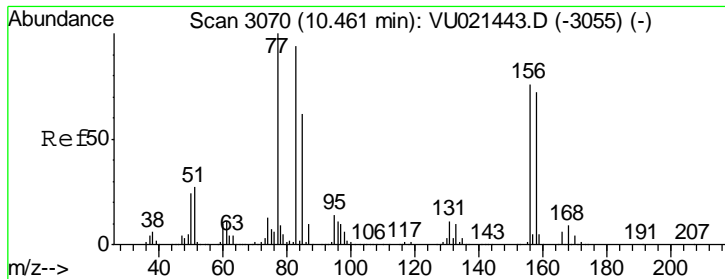
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#74
 N-amyl acetate
 Concen: 21.83 ug/l
 RT: 10.02 min Scan# 2932
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
43	451205		
43	100		
70	47.1	35.6	53.4
55	25.1	21.8	32.6
61	26.5	19.9	29.9





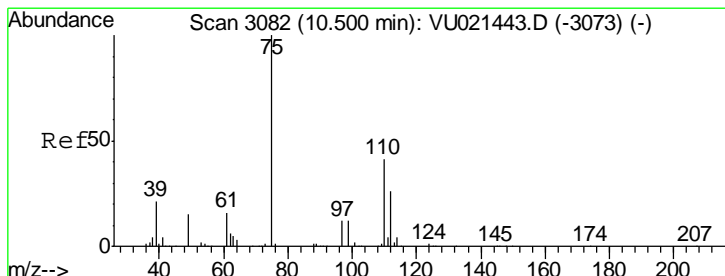
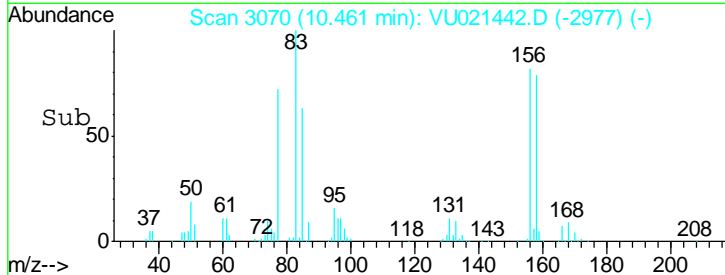
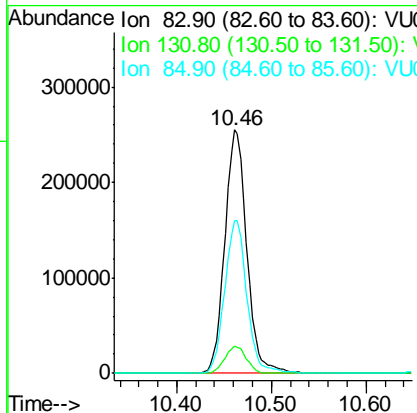
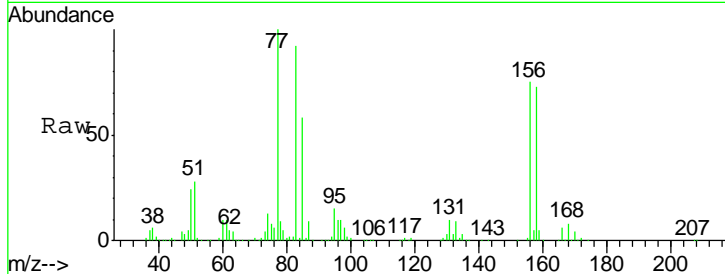
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.18 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	100		
131	11.0	4.9	14.7
85	63.4	32.2	96.6

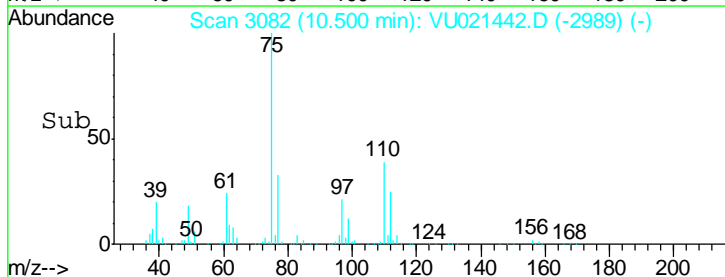
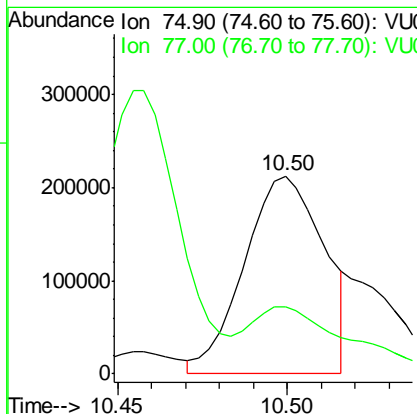
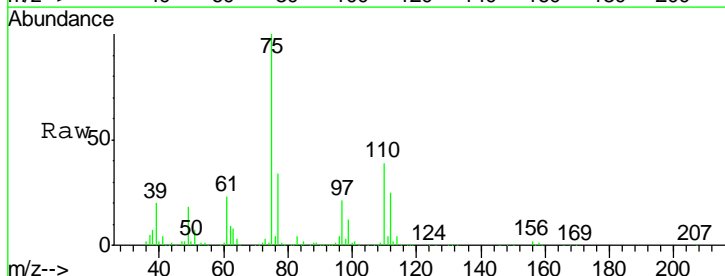
Manual Integrations
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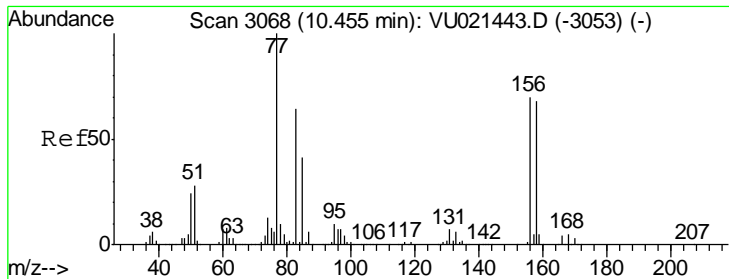
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#76
 1,2,3-Trichloropropane
 Concen: 20.75 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
75	100		
77	43.6	21.3	63.7





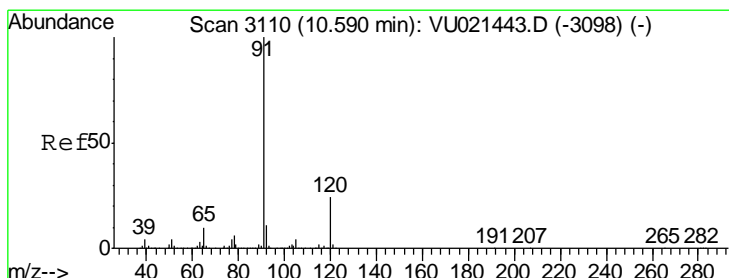
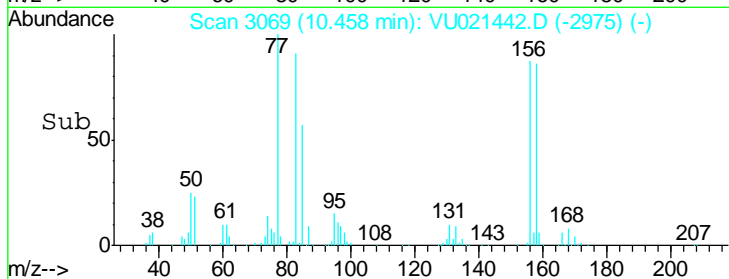
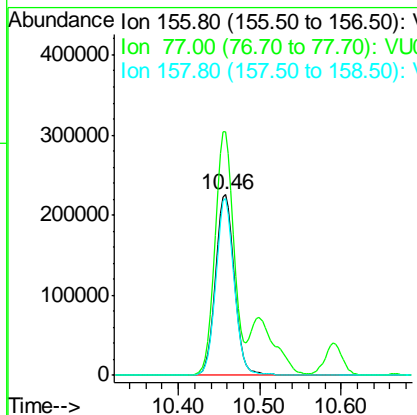
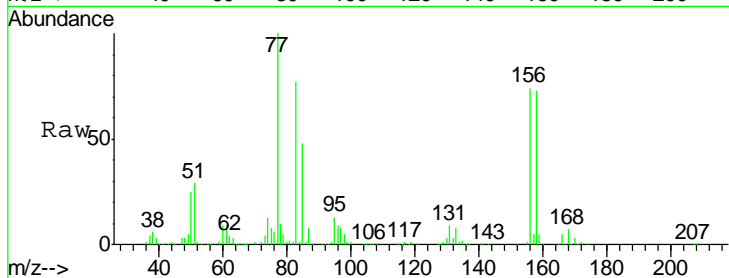
#77
 Bromobenzene
 Concen: 19.31 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
156	370918		
77	135.1	71.4	214.1
158	94.8	48.5	145.6

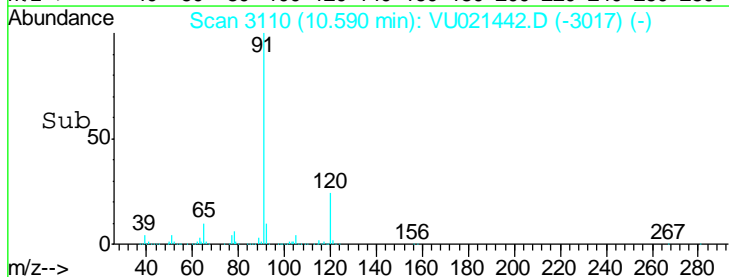
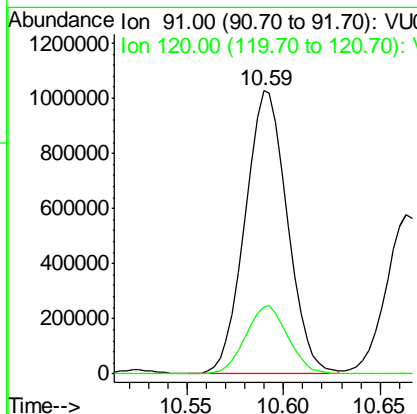
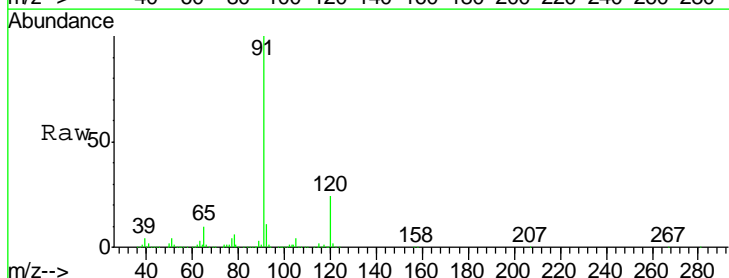
Manual Integrations
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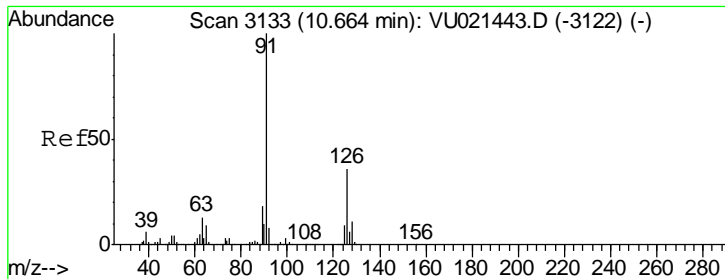
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#78
 n-propylbenzene
 Concen: 20.76 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
91	1561420		
120	24.2	11.8	35.4





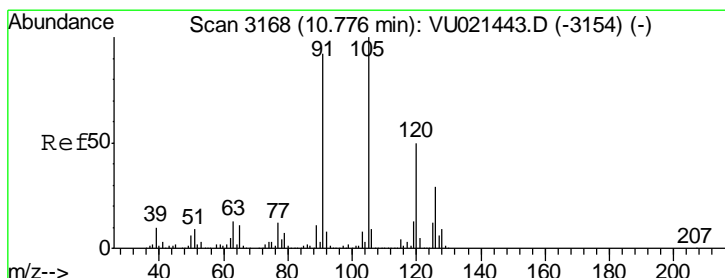
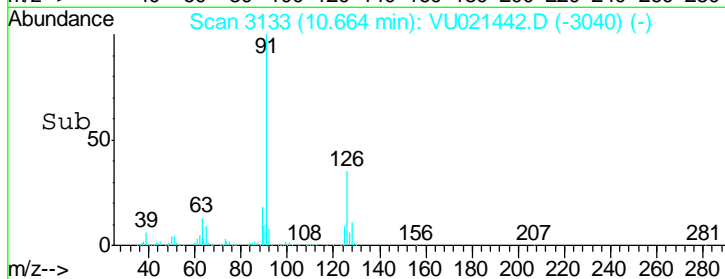
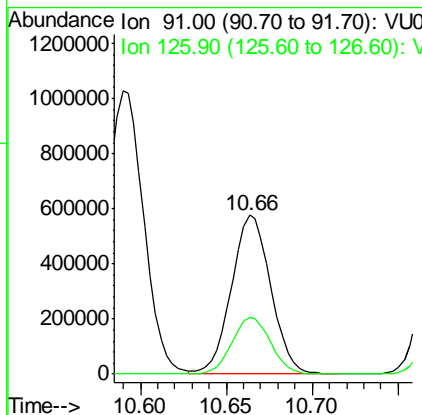
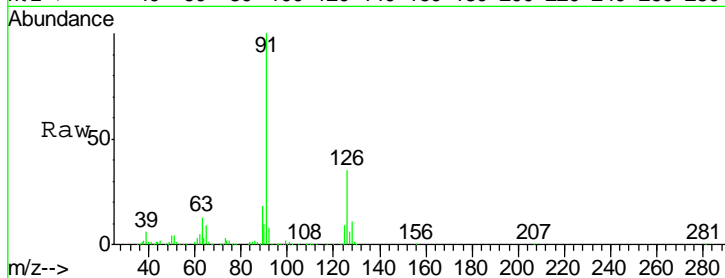
#79
 2-Chlorotoluene
 Concen: 20.10 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.6	17.6	52.9

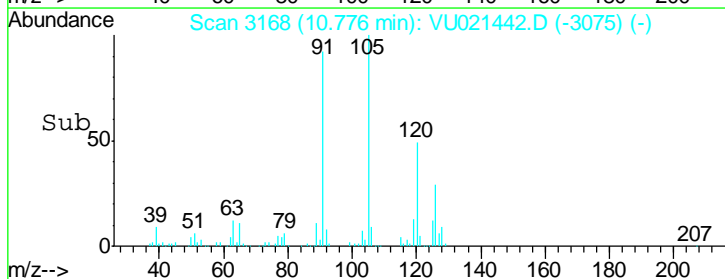
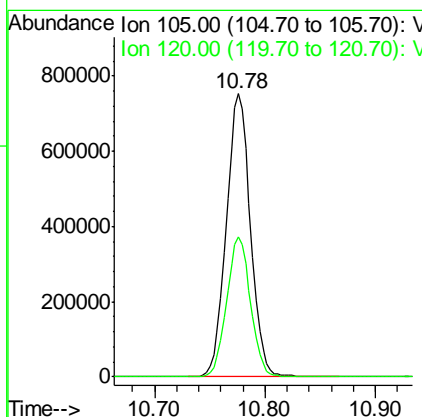
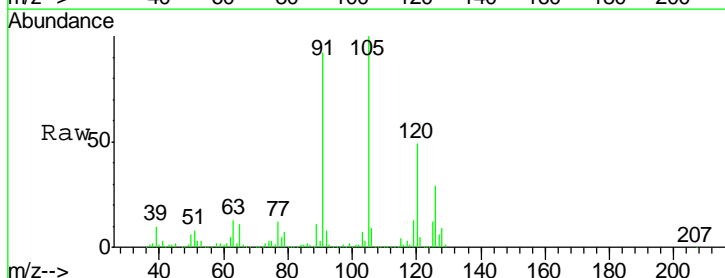
Manual Integrations
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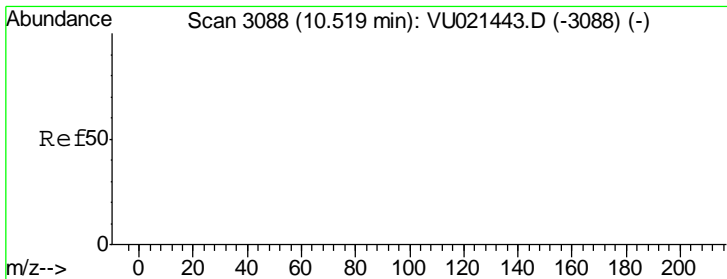
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.86 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.1	24.6	74.0





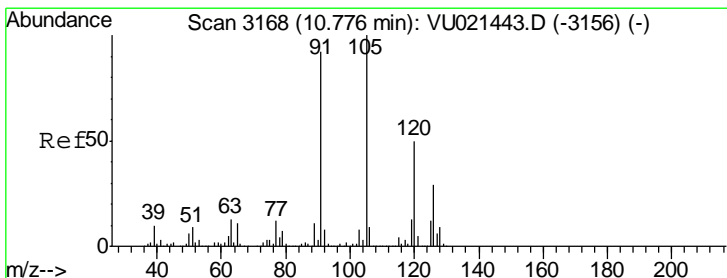
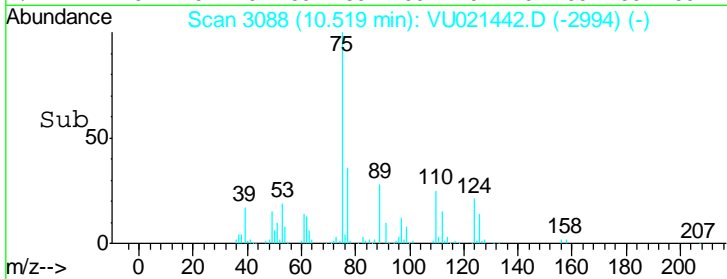
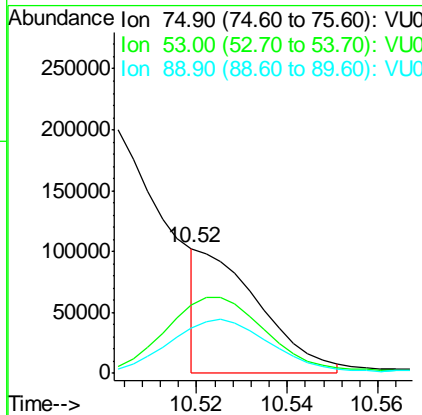
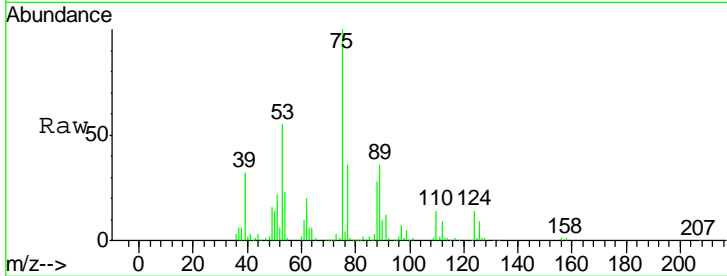
#81
 trans-1,4-Dichloro-2-butene
 Concen: 15.86 ug/l m
 RT: 10.52 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

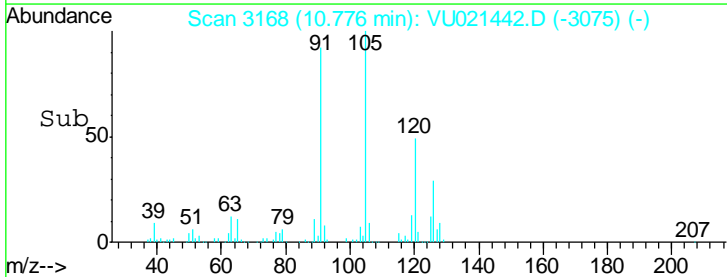
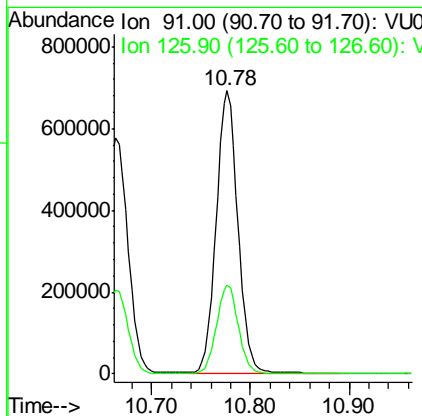
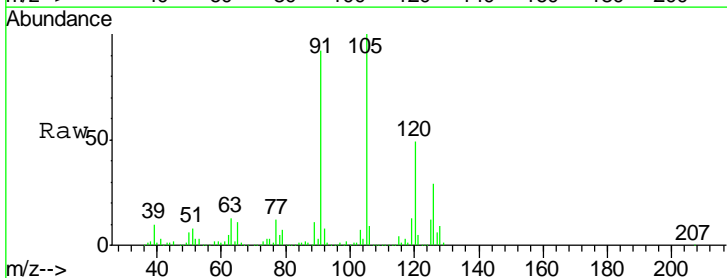
Manual Integrations
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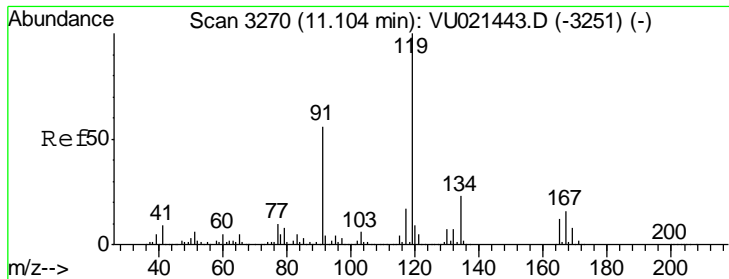
1/4/2018 11:18:46 AM



#82
 4-Chlorotoluene
 Concen: 20.46 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

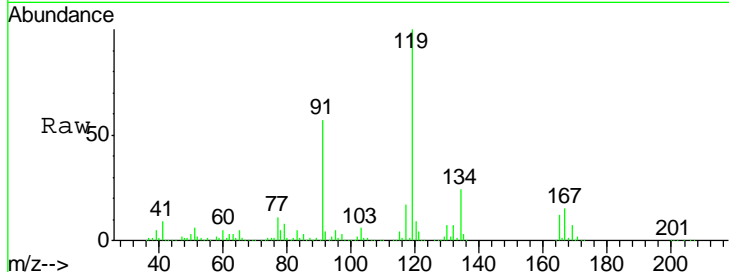
Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.2	45.6





#83
 tert-Butylbenzene
 Concen: 19.10 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

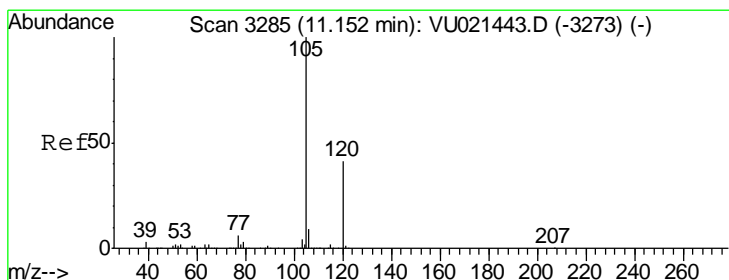
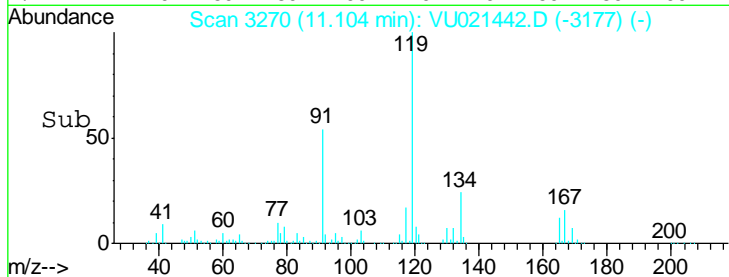
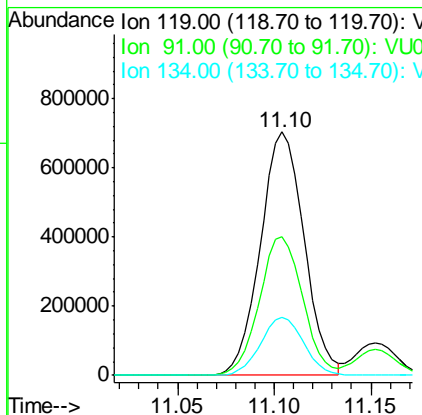


Tgt Ion: 119 Resp: 1101841

Ion	Ratio	Lower	Upper
119	100		
91	56.6	28.7	86.3
134	23.7	11.8	35.3

Manual Integrations
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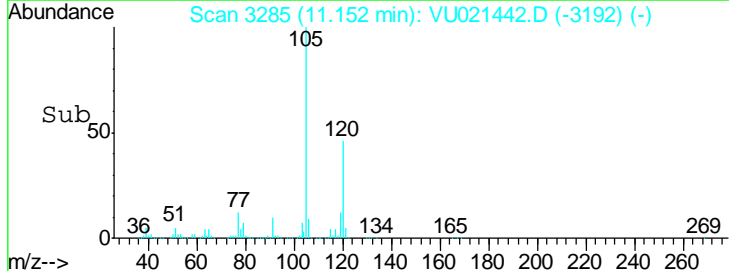
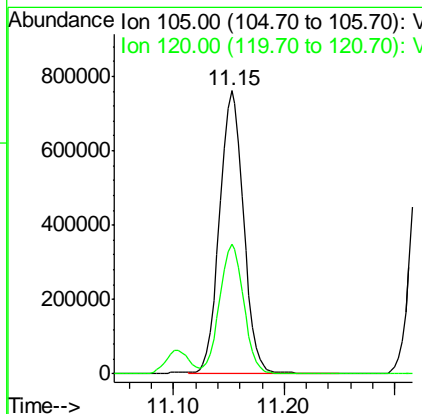
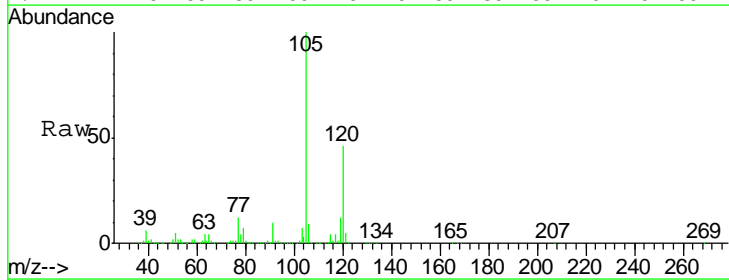
1/4/2018 11:18:46 AM

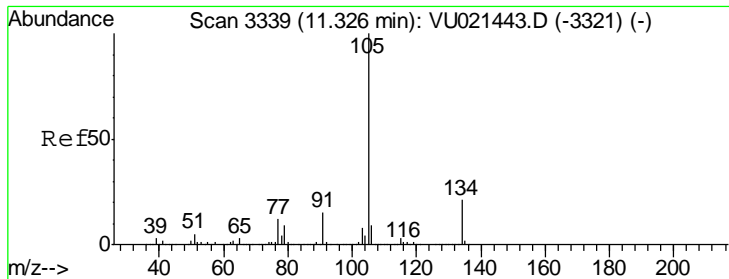


#84
 1,2,4-Trimethylbenzene
 Concen: 19.99 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion: 105 Resp: 1148518

Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.9	68.5





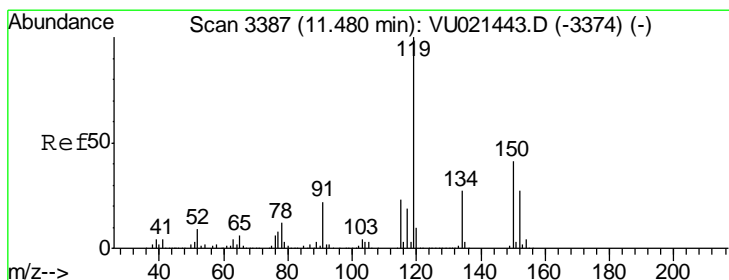
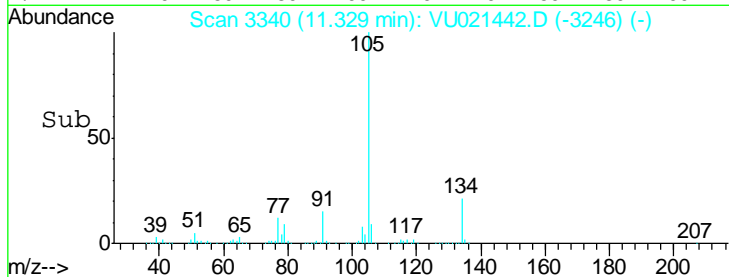
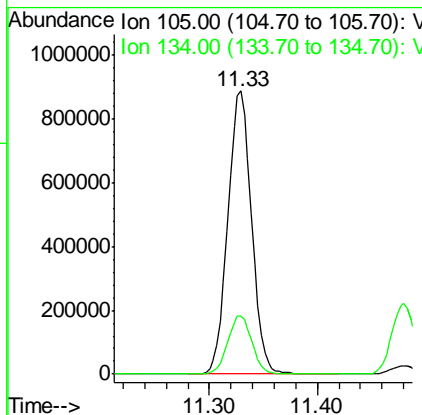
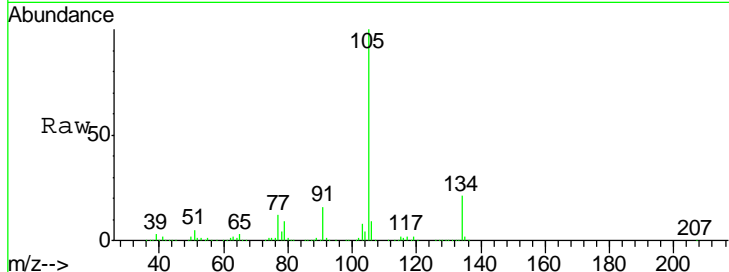
#85
 sec-Butylbenzene
 Concen: 19.73 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	1362047		
105	100		
134	20.9	10.1	30.3

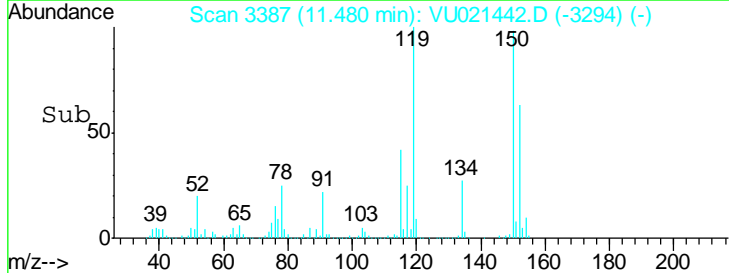
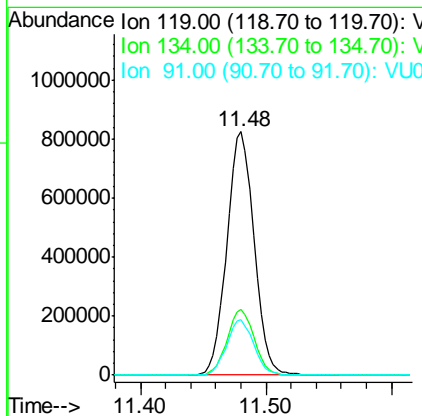
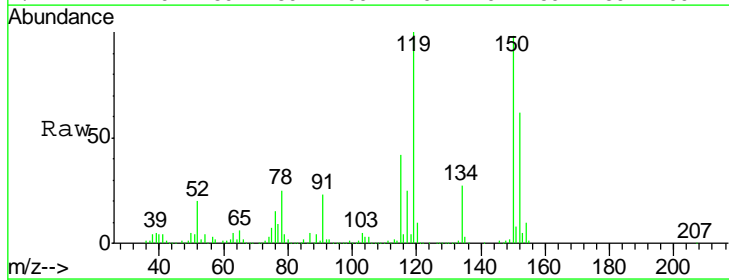
Manual Integrations
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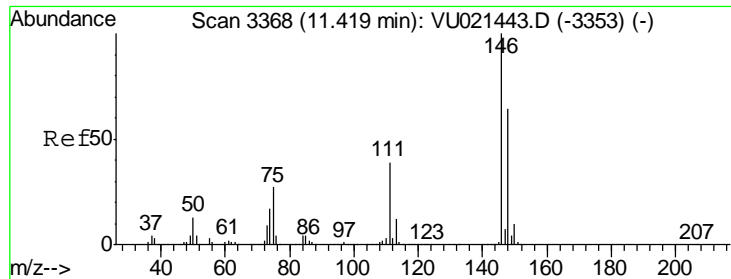
sam
 1/4/2018 11:18:46 AM



#86
 p-Isopropyltoluene
 Concen: 19.59 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
119	1236915		
119	100		
134	26.9	13.6	40.8
91	22.7	11.5	34.5





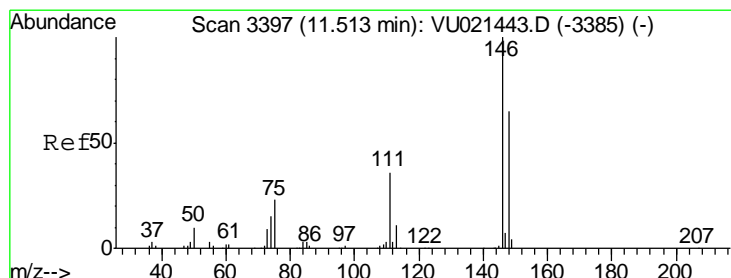
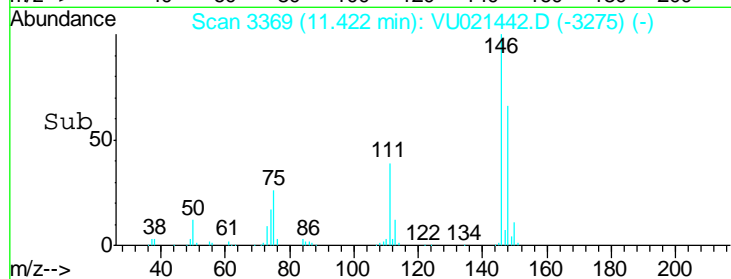
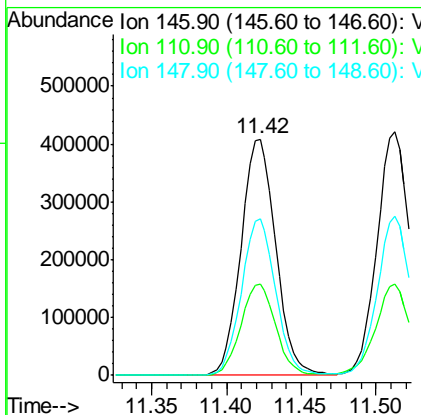
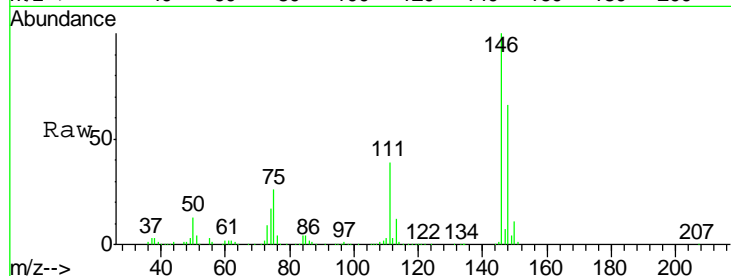
#87
 1,3-Dichlorobenzene
 Concen: 18.78 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	662290		
111	38.6	18.8	56.3
148	65.2	32.0	96.2

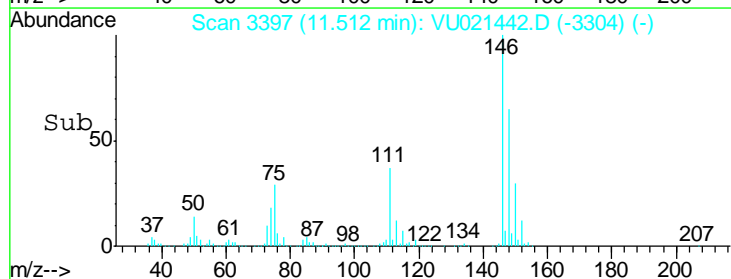
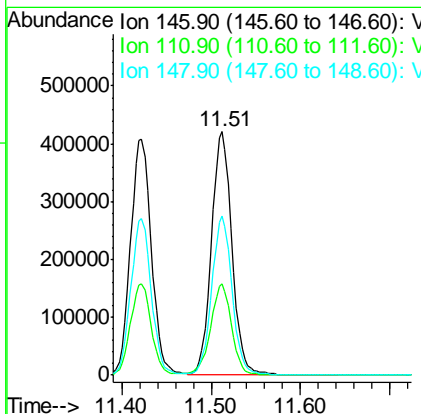
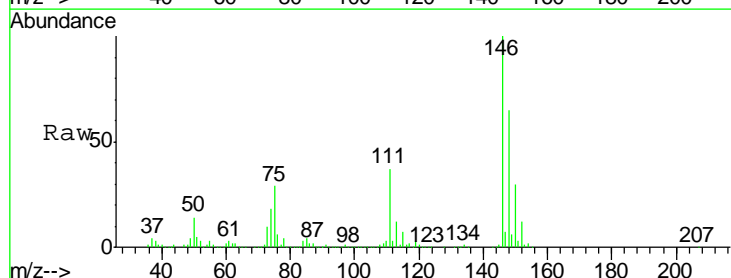
Manual Integrations
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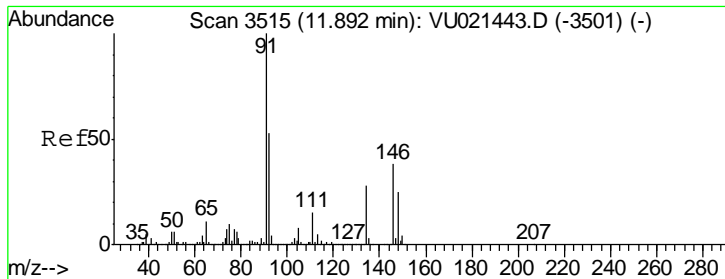
sam
 1/4/2018 11:18:46 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.49 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
146	668313		
111	38.6	18.4	55.2
148	65.0	31.9	95.9





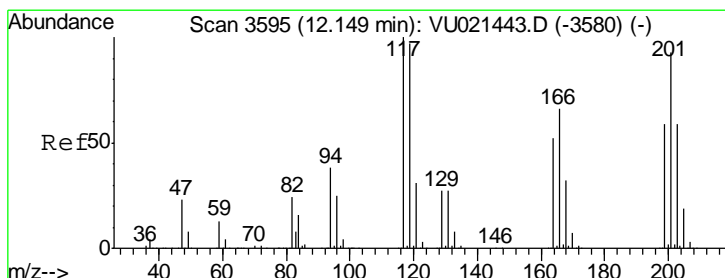
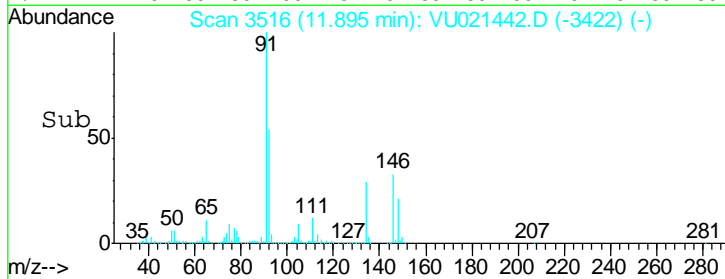
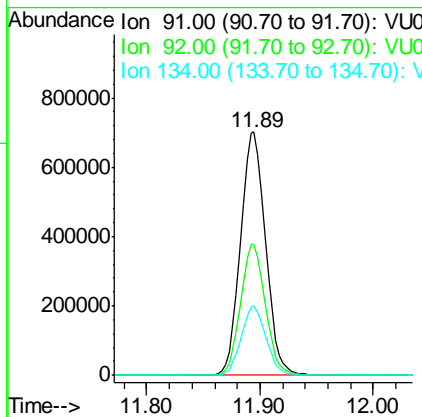
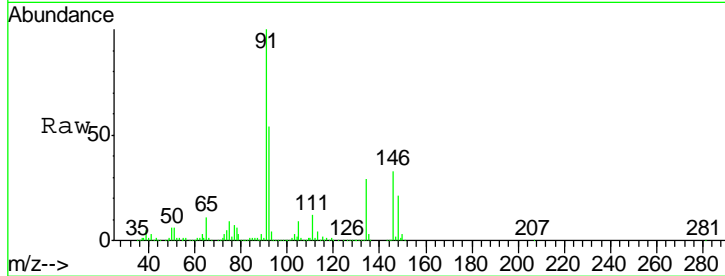
#89
 n-Butylbenzene
 Concen: 20.88 ug/l
 RT: 11.89 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
92	53.2	26.2	78.5
134	28.2	13.0	38.9

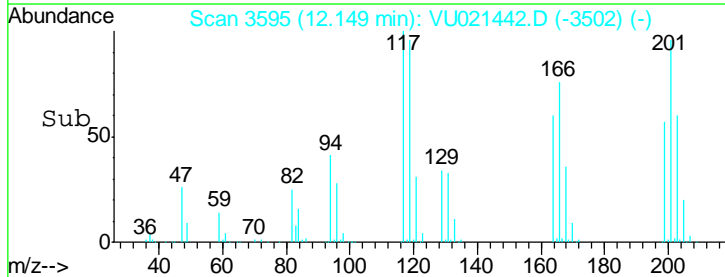
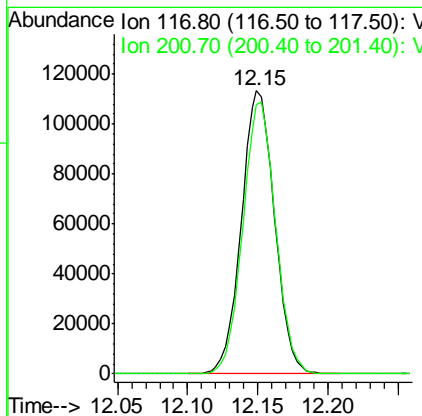
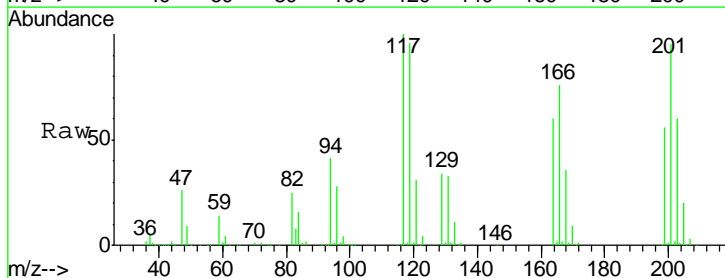
Manual Integrations
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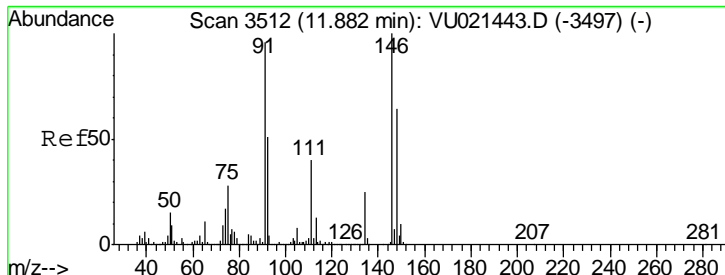
1/4/2018 11:18:46 AM



#90
 Hexachloroethane
 Concen: 16.77 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

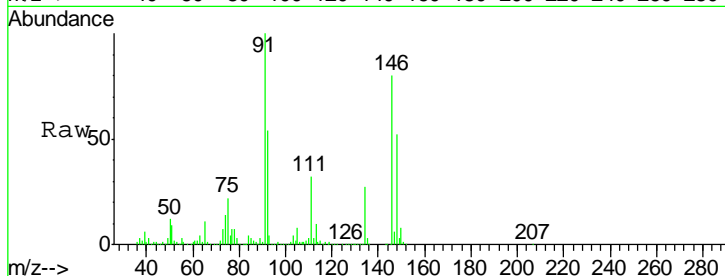
Tgt Ion	Resp	Lower	Upper
117	100		
201	94.9	44.5	133.7





#91
 1,2-Dichlorobenzene
 Concen: 18.47 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

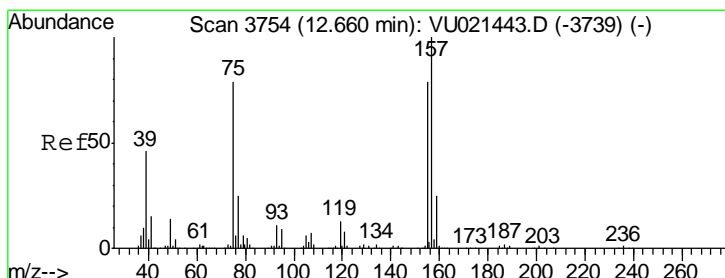
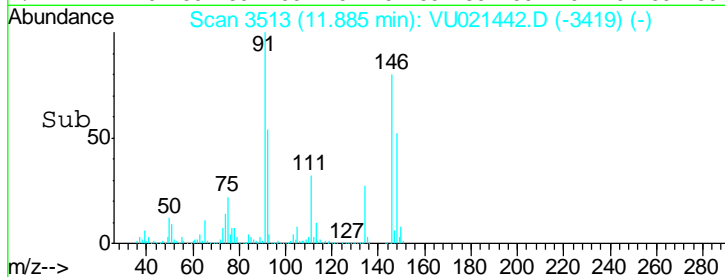
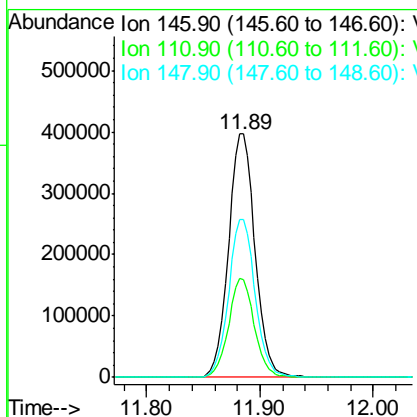
Instrument : MSVOA_U
 Client Sampled : VSTDIC020



Tgt Ion	Resp	Lower	Upper
146	645508		
146	100		
111	39.6	19.4	58.1
148	64.9	32.0	96.2

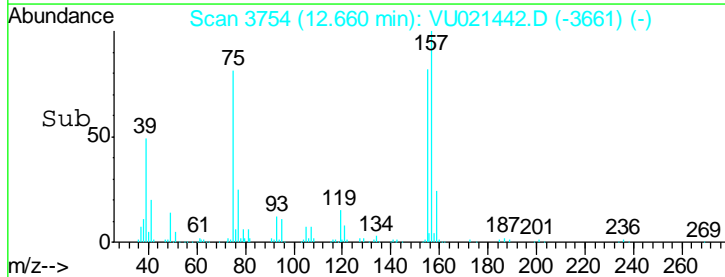
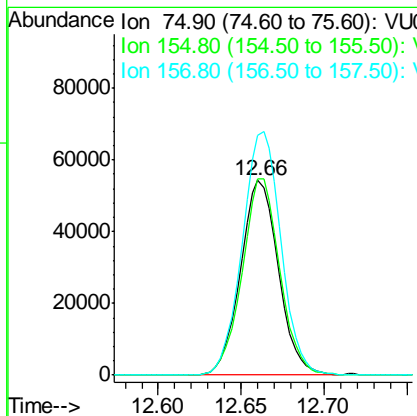
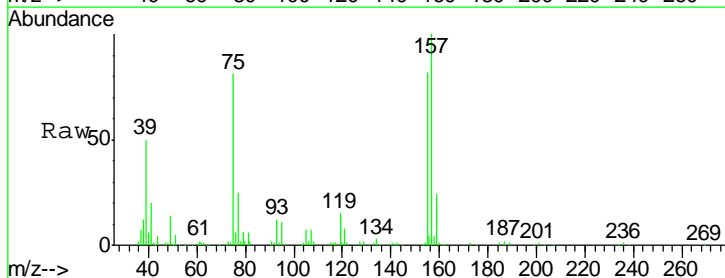
Manual Integrations
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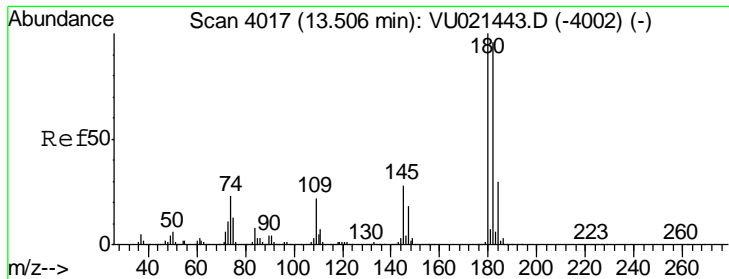
1/4/2018 11:18:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.02 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Tgt Ion	Resp	Lower	Upper
75	86593		
75	100		
155	99.8	47.9	143.7
157	127.4	60.9	182.6





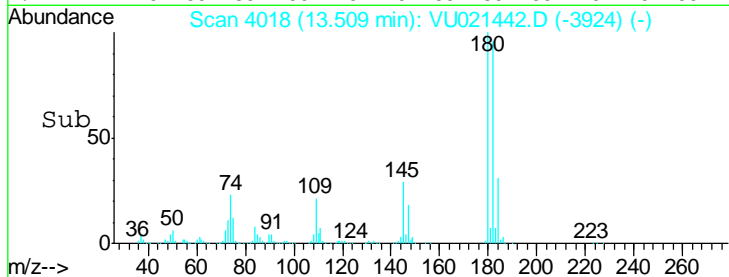
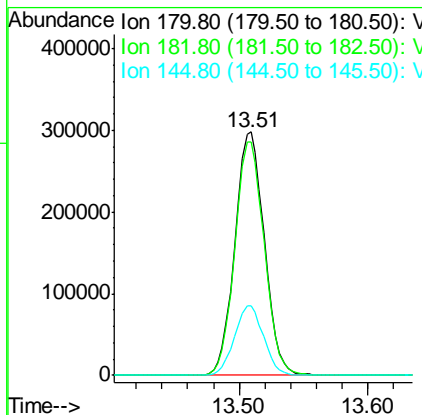
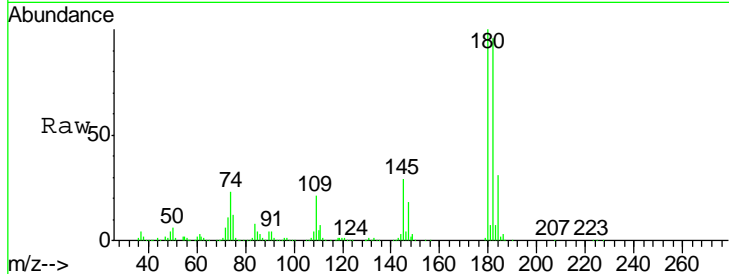
#93
 1,2,4-Trichlorobenzene
 Concen: 20.43 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
180	471665		
182	96.2	48.3	144.8
145	28.5	14.2	42.6

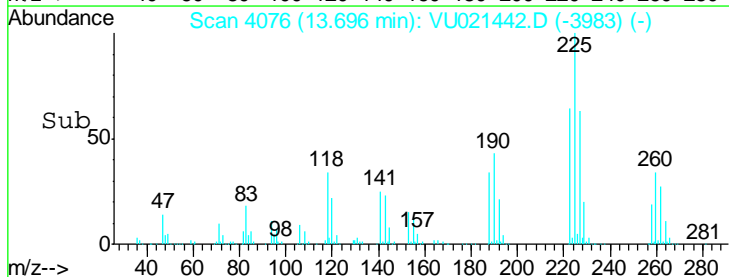
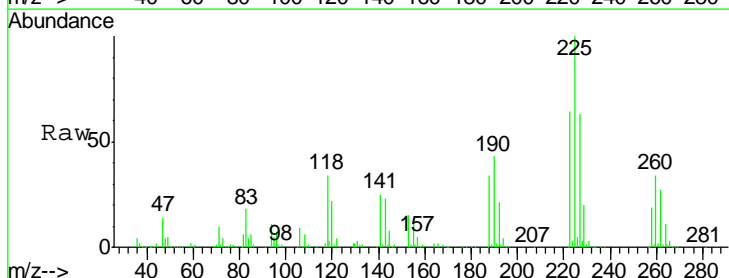
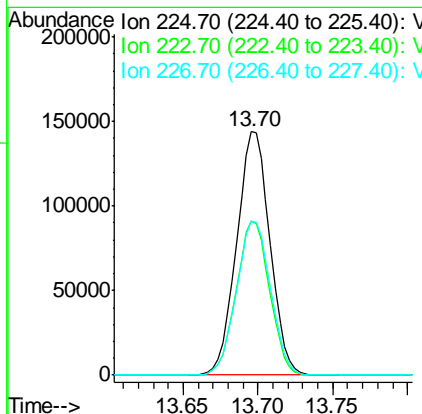
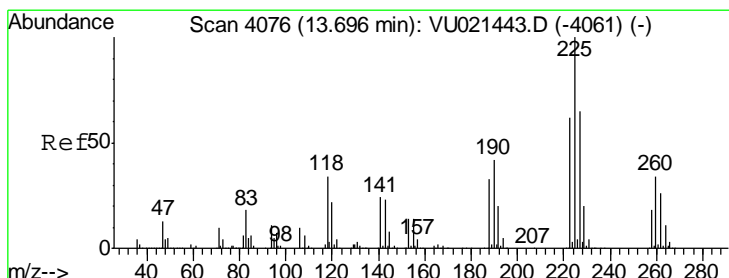
Manual Integrations
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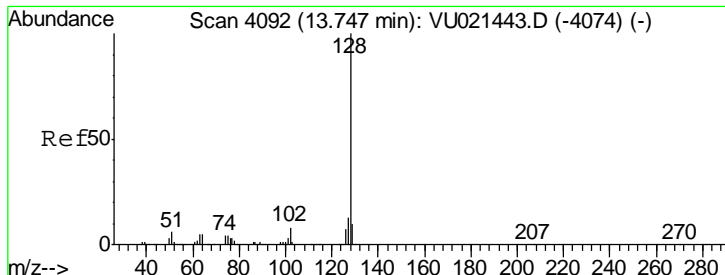
1/4/2018 11:18:46 AM



#94
 Hexachlorobutadiene
 Concen: 17.47 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

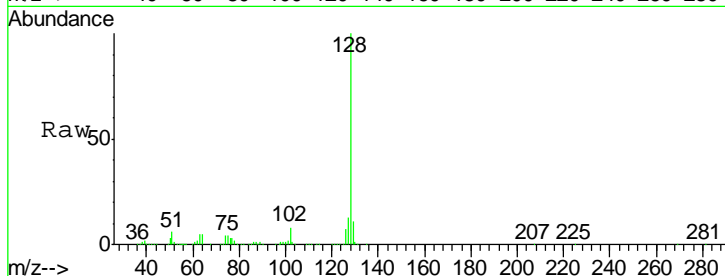
Tgt Ion	Resp	Lower	Upper
225	222899		
223	63.4	31.9	95.7
227	64.9	32.4	97.2





#95
 Naphthalene
 Concen: 22.47 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49

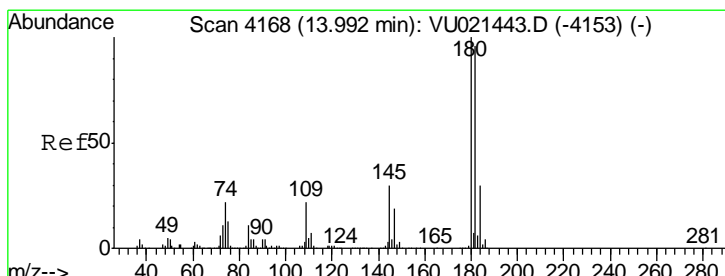
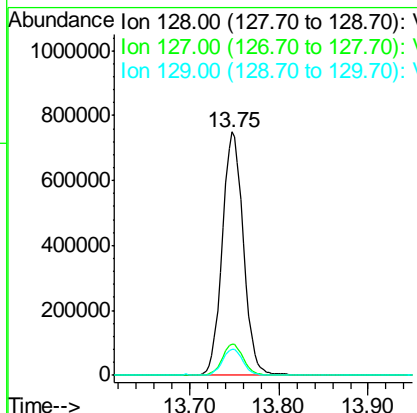
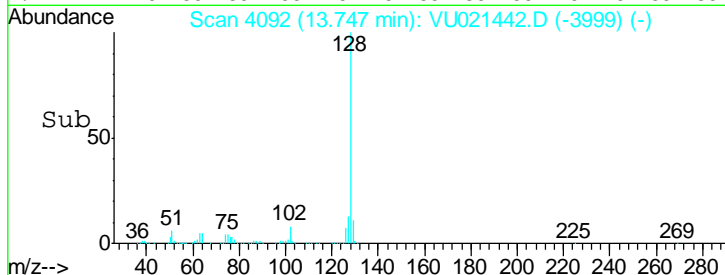
Instrument : MSVOA_U
 Client Sampled : VSTDIC020



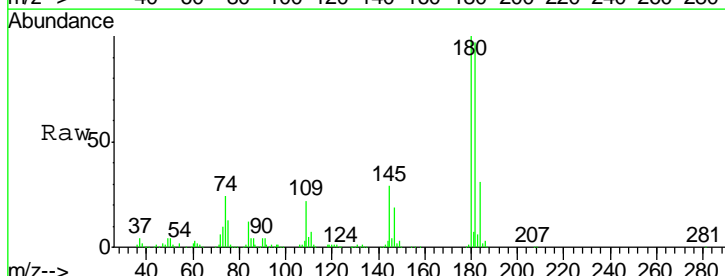
Tgt Ion:128 Resp: 1227495

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.6	8.9	13.3

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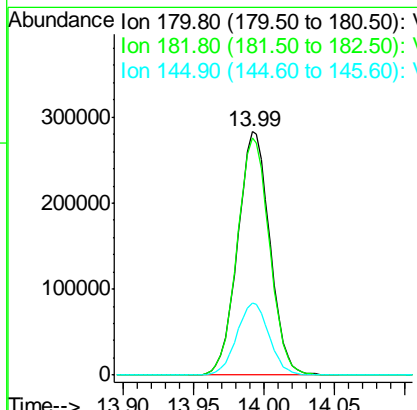
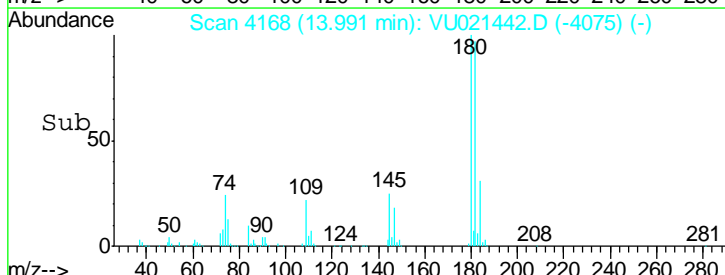


#96
 1,2,3-Trichlorobenzene
 Concen: 20.20 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU021442.D
 Acq: 03 Jan 2018 13:49



Tgt Ion:180 Resp: 453262

Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.8	143.4
145	29.8	14.9	44.7



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021443.D
 Acq On : 03 Jan 2018 14:15
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC050

Manual Integrations
 APPROVED

sam
 1/4/2018 11:19:33 AM

Quant Time: Jan 03 15:26:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1429381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	2103434	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1933075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	1059372	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	612988	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	4.89	113	564804	43.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.90%	
50) Toluene-d8	7.57	98	1953703	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
62) 4-Bromofluorobenzene	10.31	95	820713	44.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	559135	47.09	ug/l	99
3) Chloromethane	1.33	50	665286	48.03	ug/l	97
4) Vinyl Chloride	1.40	62	699959	49.96	ug/l	99
5) Bromomethane	1.62	94	457449	35.40	ug/l	99
6) Chloroethane	1.70	64	429038	49.14	ug/l	99
7) Trichlorofluoromethane	1.89	101	986692	42.58	ug/l	99
8) Diethyl Ether	2.10	74	414018	48.10	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	629104	44.27	ug/l	97
10) Methyl Iodide	2.41	142	878528	56.25	ug/l	96
11) Tert butyl alcohol	2.83	59	728412	225.68	ug/l	98
12) 1,1-Dichloroethene	2.28	96	594310	43.25	ug/l	95
13) Acrolein	2.19	56	518011	212.25	ug/l	98
14) Allyl chloride	2.59	41	894676	50.02	ug/l	95
15) Acrylonitrile	2.94	53	1740779	261.51	ug/l	98
16) Acetone	2.32	43	1838042	250.17	ug/l	98
17) Carbon Disulfide	2.48	76	1685171	42.75	ug/l	99
18) Methyl Acetate	2.62	43	781630	53.51	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	1993888	45.81	ug/l	100
20) Methylene Chloride	2.70	84	655367	46.06	ug/l	92
21) trans-1,2-Dichloroethene	2.98	96	639809	44.83	ug/l	94
22) Diisopropyl ether	3.58	45	1796572	54.82	ug/l	# 95
23) Vinyl Acetate	3.53	43	7229165	271.67	ug/l	# 94
24) 1,1-Dichloroethane	3.45	63	1107367	53.13	ug/l	99
25) 2-Butanone	4.27	43	2331830	295.49	ug/l	94
26) 2,2-Dichloropropane	4.23	77	969842	49.29	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	739332	51.76	ug/l	99
28) Bromochloromethane	4.55	49	448995	49.46	ug/l	87
29) Tetrahydrofuran	4.65	42	1314680	278.26	ug/l	90
30) Chloroform	4.68	83	1161047	51.11	ug/l	96
31) Cyclohexane	5.00	56	985264	42.68	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	1015741	48.48	ug/l	98
36) 1,1-Dichloropropene	5.14	75	881420	49.66	ug/l	98
37) Ethyl Acetate	4.39	43	792660	54.88	ug/l	97
38) Carbon Tetrachloride	5.14	117	882378	44.51	ug/l	100

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021443.D
 Acq On : 03 Jan 2018 14:15
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VSTDICCC050

Manual Integrations
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Sam
 1/4/2018 11:19:33 AM

Quant Time: Jan 03 15:26:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	1104416	47.03	ug/l	95
40) Benzene	5.39	78	2587915	49.00	ug/l	100
41) Methacrylonitrile	4.55	41	438541	53.06	ug/l	93
42) 1,2-Dichloroethane	5.41	62	888610	49.59	ug/l	98
43) Isopropyl Acetate	5.56	43	1326750	51.23	ug/l	96
44) Trichloroethene	6.19	130	775074	46.36	ug/l	96
45) 1,2-Dichloropropane	6.44	63	662202	50.38	ug/l	97
46) Dibromomethane	6.56	93	468601	47.84	ug/l	95
47) Bromodichloromethane	6.76	83	872835	47.39	ug/l	99
48) Methyl methacrylate	6.63	41	665875	53.50	ug/l	93
49) 1,4-Dioxane	6.62	88	320180	1019.56	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	4129082	265.06	ug/l	96
52) Toluene	7.64	92	1678340	48.06	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	998222	48.50	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	1085238	49.55	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	674324	48.05	ug/l	96
56) Ethyl methacrylate	8.02	69	1030491	52.88	ug/l	96
57) 1,3-Dichloropropane	8.25	76	1115000	50.75	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	1953225	302.65	ug/l	94
59) 2-Hexanone	8.37	43	3261160	266.42	ug/l	95
60) Dibromochloromethane	8.48	129	742360	45.20	ug/l	100
61) 1,2-Dibromoethane	8.59	107	754250	49.19	ug/l	98
64) Tetrachloroethene	8.23	164	734097	44.69	ug/l	98
65) Chlorobenzene	9.12	112	1944732	48.56	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	690856	46.30	ug/l	98
67) Ethyl Benzene	9.25	91	3280263	48.97	ug/l	99
68) m/p-Xylenes	9.38	106	2556306	96.68	ug/l	99
69) o-Xylene	9.78	106	1231966	47.42	ug/l	99
70) Styrene	9.80	104	2066474	48.70	ug/l	99
71) Bromoform	9.96	173	597793	43.43	ug/l #	99
73) Isopropylbenzene	10.17	105	3343440	49.24	ug/l	99
74) N-amyl acetate	10.02	43	1186601	58.01	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	1025060	50.68	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	823601m	50.05	ug/l	
77) Bromobenzene	10.45	156	902414	47.48	ug/l	98
78) n-propylbenzene	10.59	91	3846620	51.69	ug/l	99
79) 2-Chlorotoluene	10.66	91	2231111	50.09	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	2795095	49.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	250032m	42.51	ug/l	
82) 4-Chlorotoluene	10.78	91	2652632	51.32	ug/l	97
83) tert-Butylbenzene	11.10	119	2777705	48.66	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	2860976	50.33	ug/l	99
85) sec-Butylbenzene	11.33	105	3393382	49.68	ug/l	98
86) p-Isopropyltoluene	11.48	119	3072469	49.18	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	1656682	47.48	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	1655312	46.28	ug/l	99
89) n-Butylbenzene	11.89	91	2750576	53.53	ug/l	98
90) Hexachloroethane	12.15	117	495968	45.00	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	1623746	46.96	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	232119	54.24	ug/l	93

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021443.D
 Acq On : 03 Jan 2018 14:15
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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sam
 1/4/2018 11:19:33 AM

Quant Time: Jan 03 15:26:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	1235990	54.10	ug/l	100
94) Hexachlorobutadiene	13.70	225	557046	44.12	ug/l	99
95) Naphthalene	13.75	128	3322699	61.47	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	1174434	52.88	ug/l	99

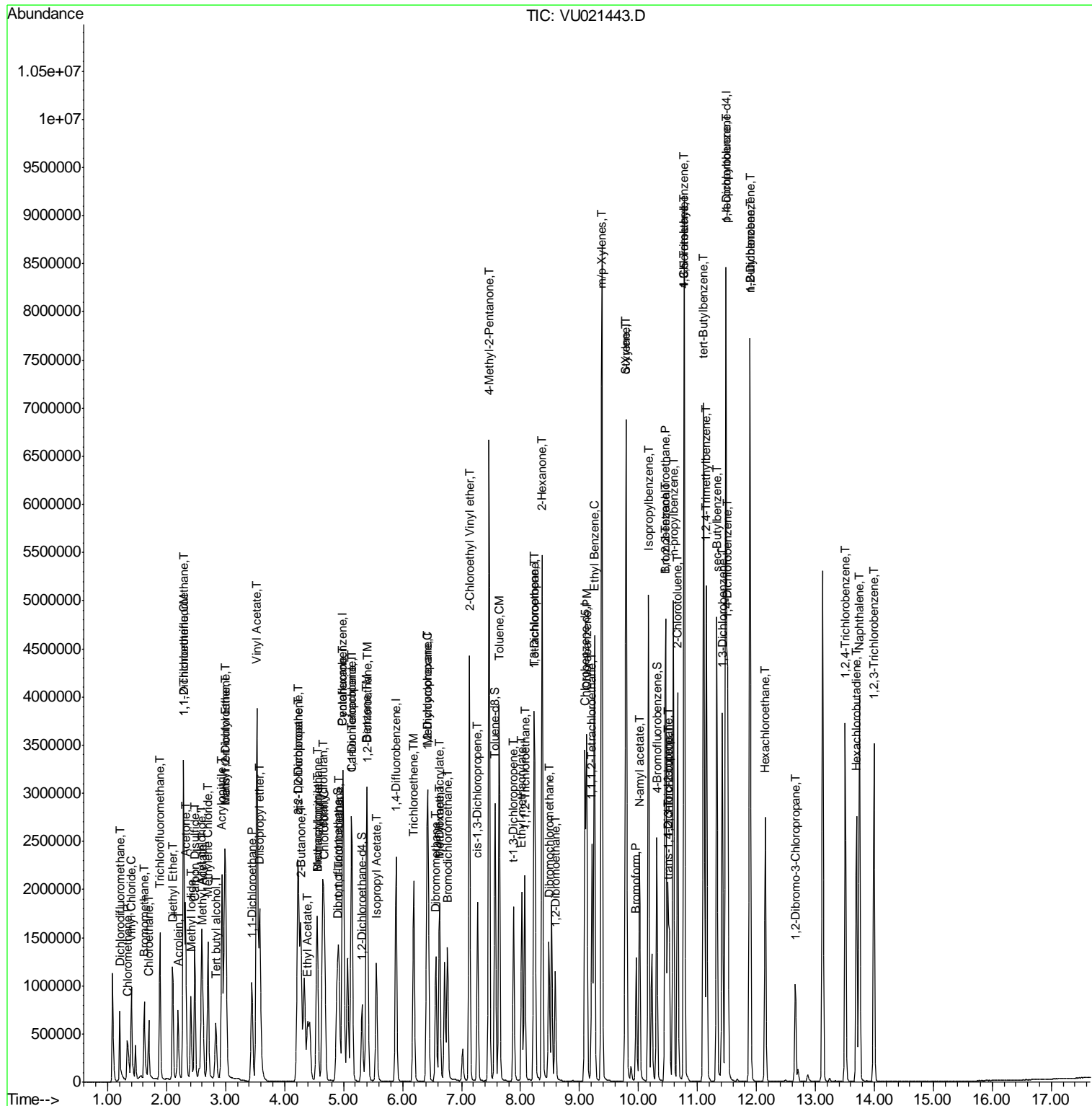
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 Data File : VU021443.D
 Acq On : 03 Jan 2018 14:15
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

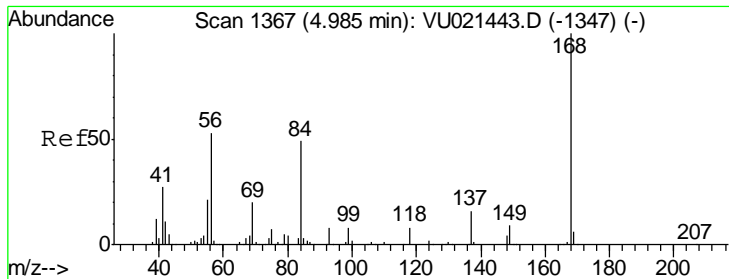
Instrument :
 MSVOA_U
 Client Sampled :
 VSTDICCC050

Manual Integrations
 APPROVED
 sam
 1/4/2018 11:19:33 AM

Quant Time: Jan 03 15:26:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration



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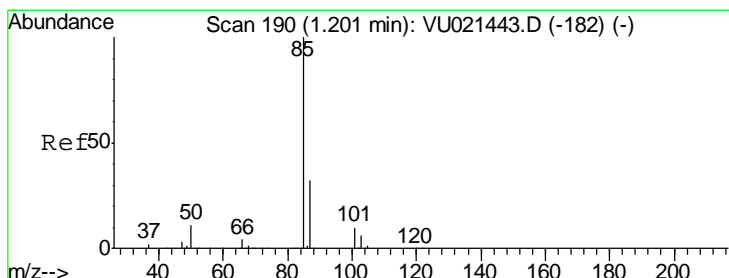
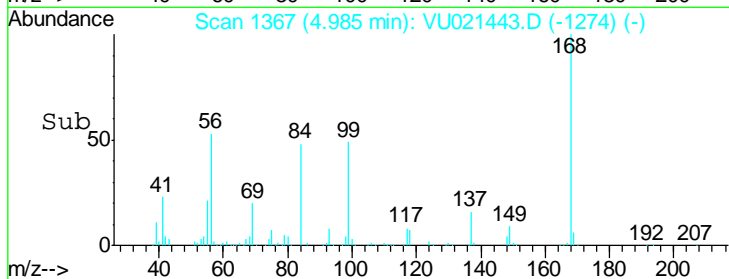
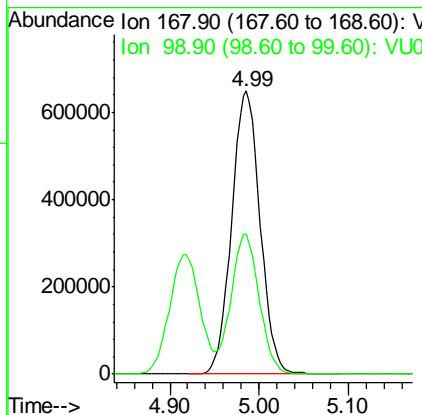
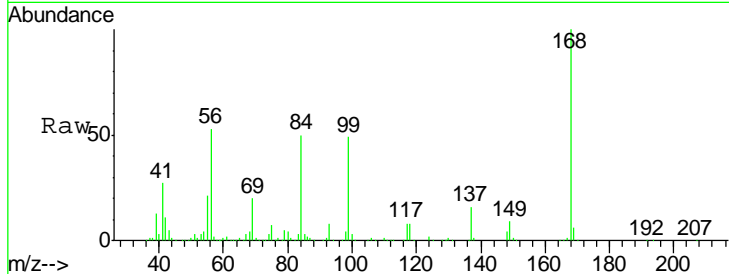
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
168	100		
99	49.3	40.2	60.2

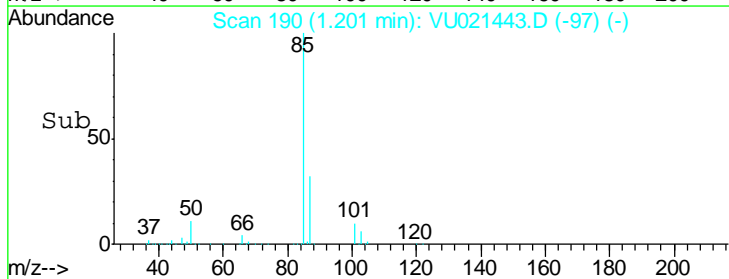
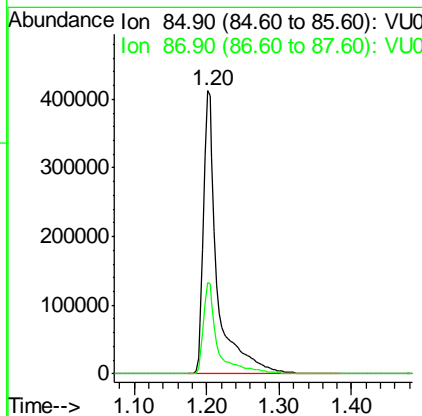
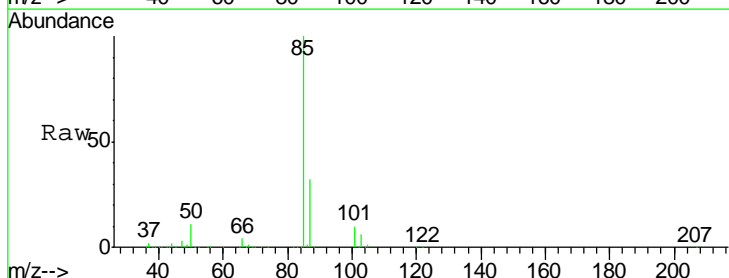
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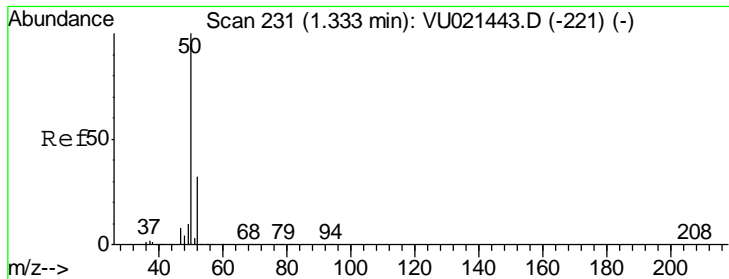
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#2
 Dichlorodifluoromethane
 Concen: 47.09 ug/l
 RT: 1.20 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.2	16.3	48.8



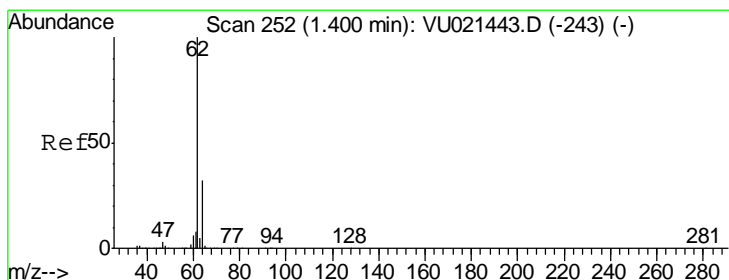
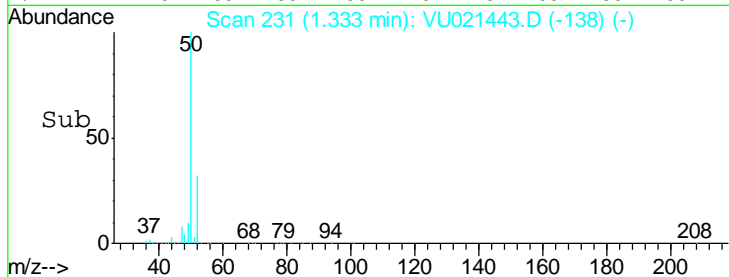
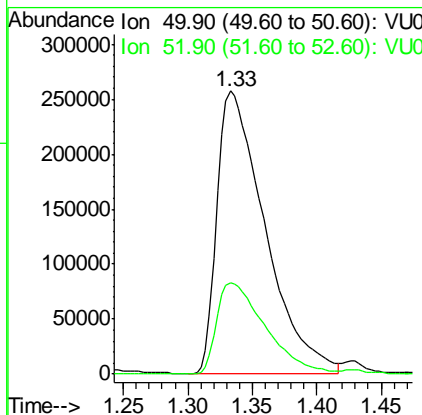
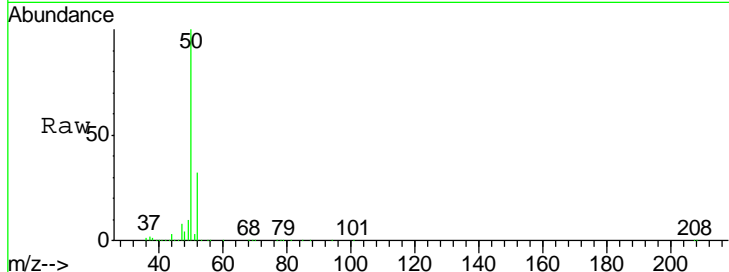


#3
 Chloromethane
 Concen: 48.03 ug/l
 RT: 1.33 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.4	27.1	40.7

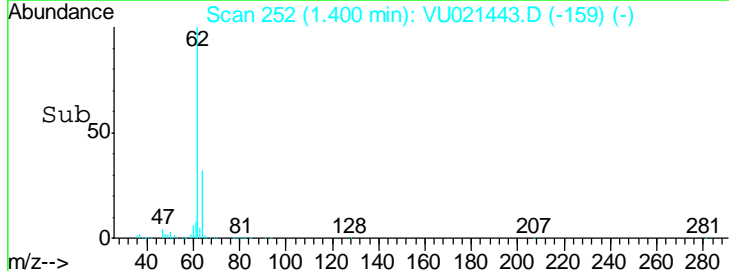
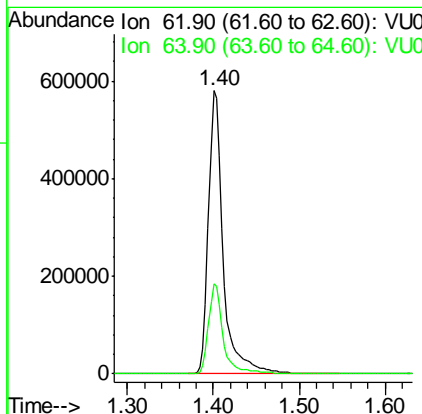
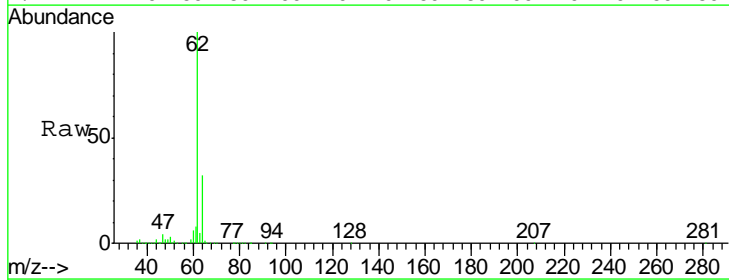
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

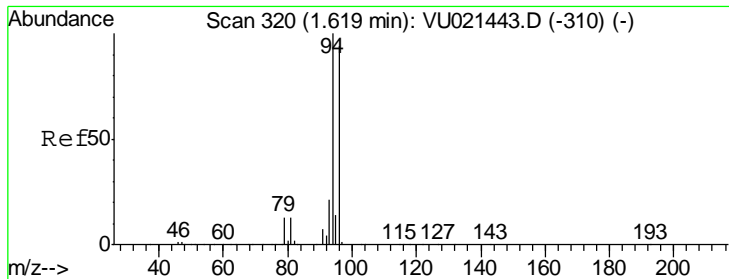
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#4
 Vinyl Chloride
 Concen: 49.96 ug/l
 RT: 1.40 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.7	25.9	38.9



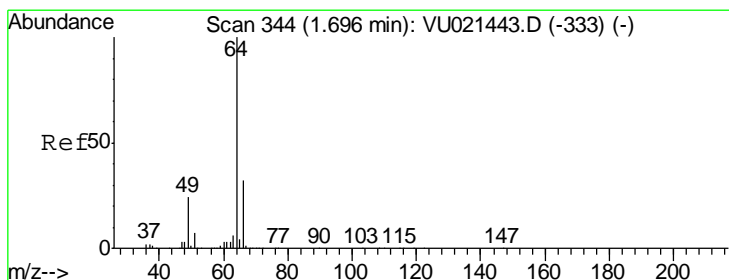
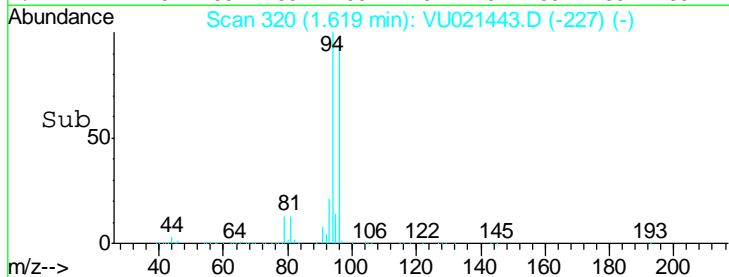
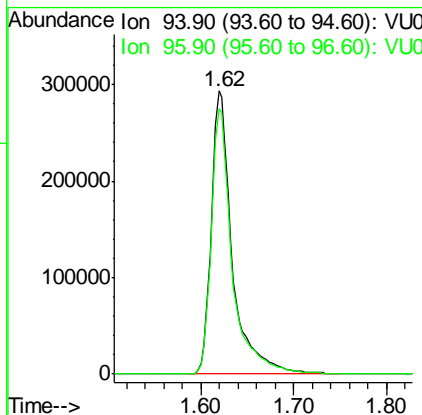
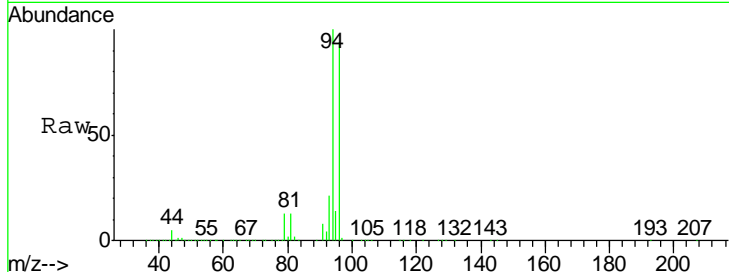


#5
 Bromomethane
 Concen: 35.40 ug/l
 RT: 1.62 min Scan# 320
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
94	100		
96	94.0	74.4	111.6

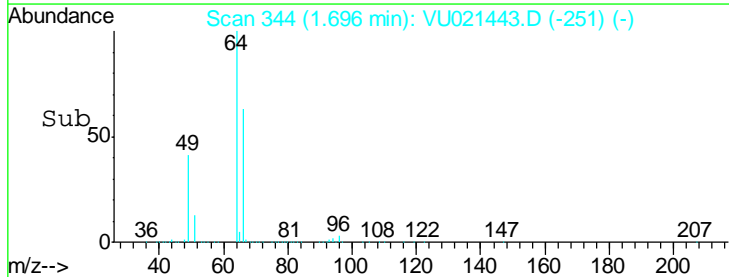
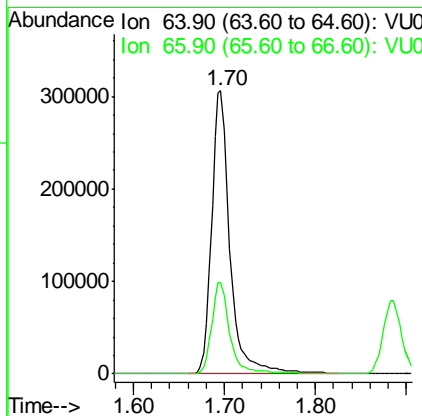
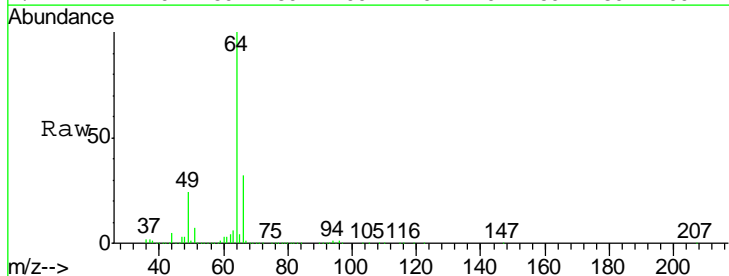
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

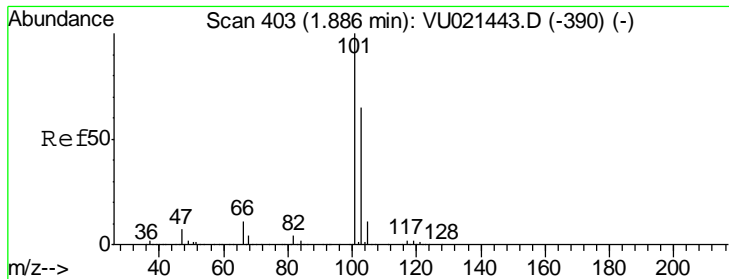
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 49.14 ug/l
 RT: 1.70 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.3	25.6	38.4





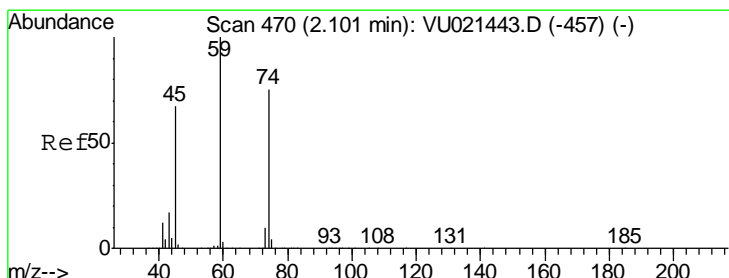
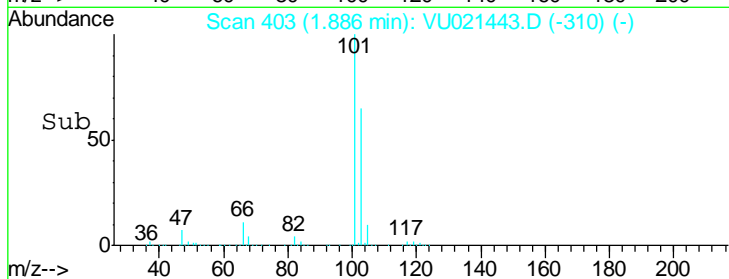
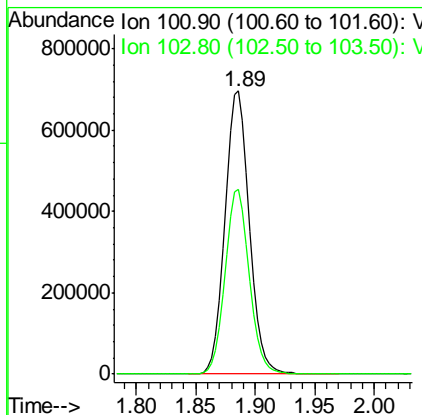
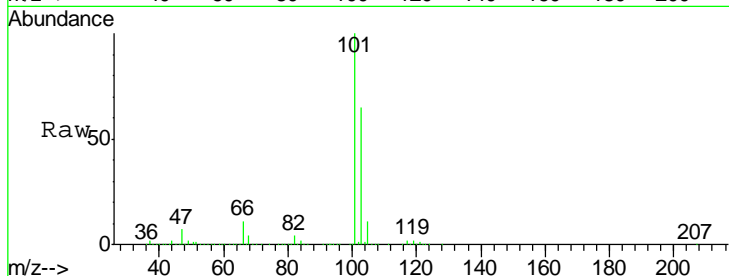
#7
 Trichlorofluoromethane
 Concen: 42.58 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
101	986692		
103	65.2	51.8	77.8

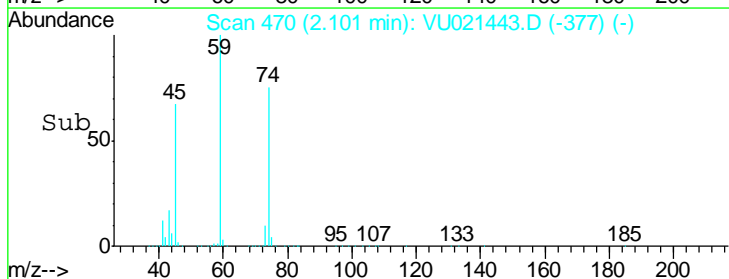
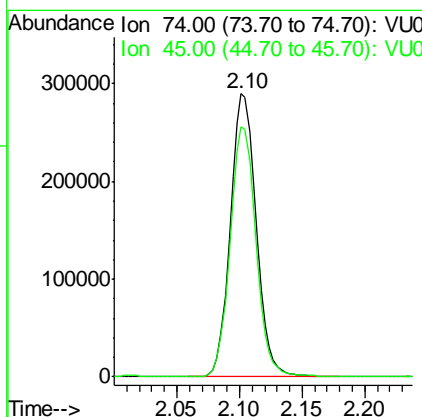
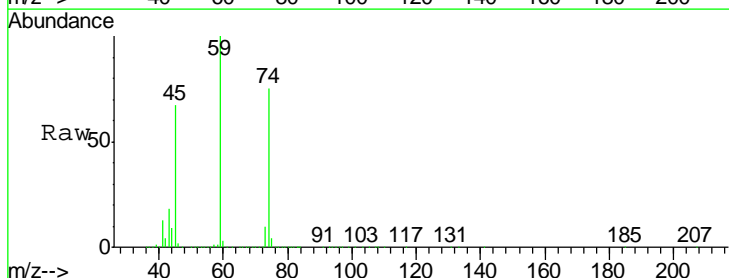
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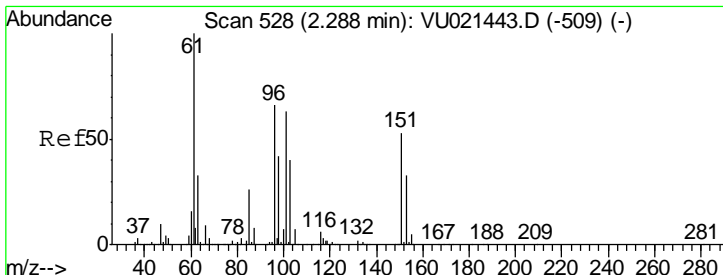
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#8
 Diethyl Ether
 Concen: 48.10 ug/l
 RT: 2.10 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

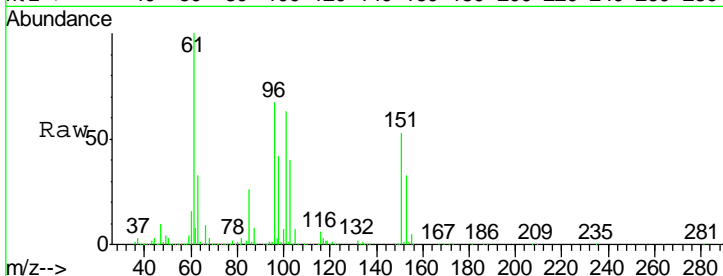
Tgt Ion	Resp	Lower	Upper
74	414018		
45	88.0	50.5	151.6





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.27 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

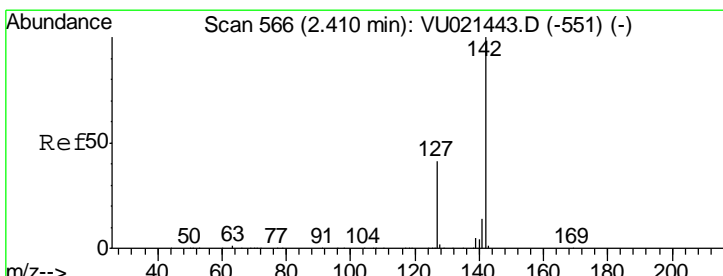
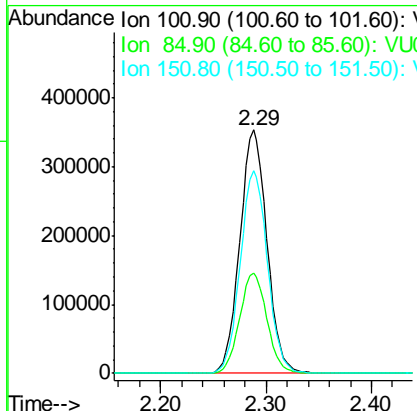
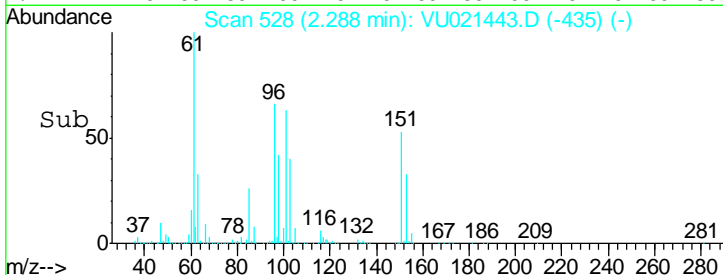
Instrument : MSVOA_U
 Client Sampled : VSTDICCC050



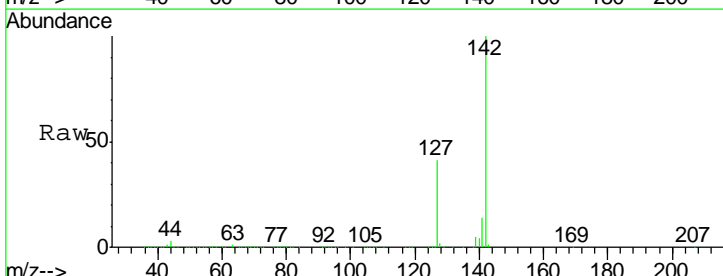
Tgt Ion	Resp	Lower	Upper
101	629104		
101	100		
85	41.5	34.8	52.2
151	83.9	64.8	97.2

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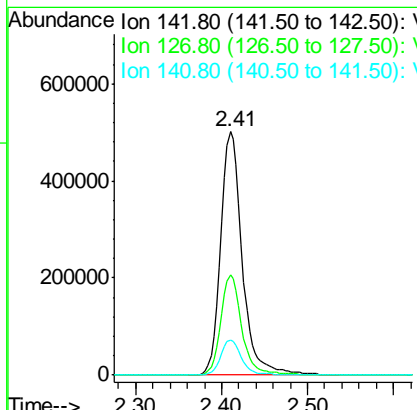
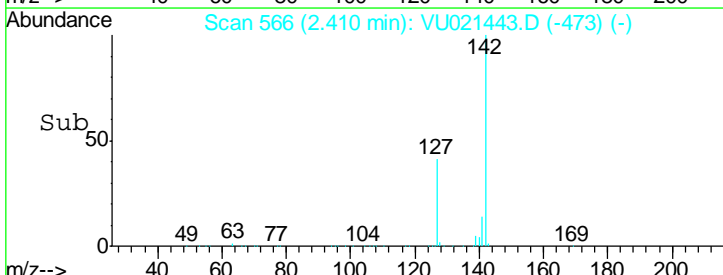
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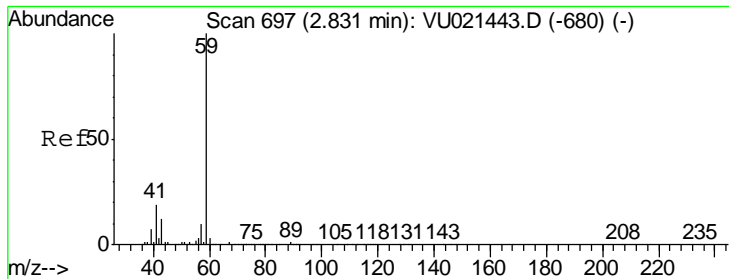


#10
 Methyl Iodide
 Concen: 56.25 ug/l
 RT: 2.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15



Tgt Ion	Resp	Lower	Upper
142	878528		
142	100		
127	40.3	34.9	52.3
141	14.1	11.4	17.0





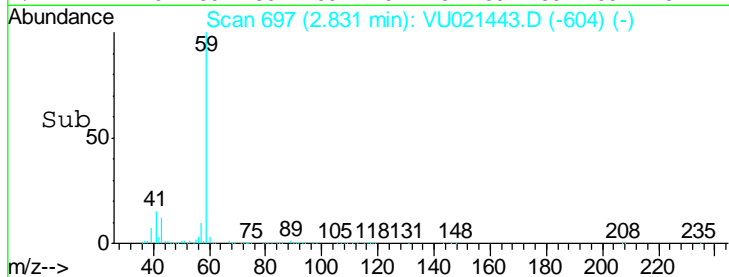
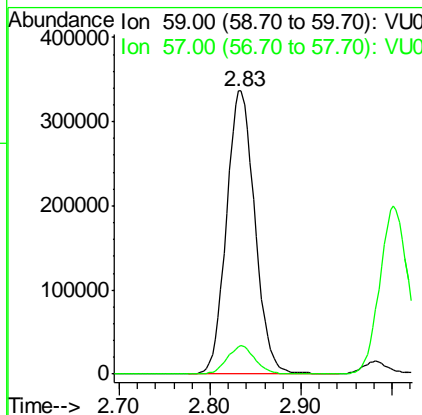
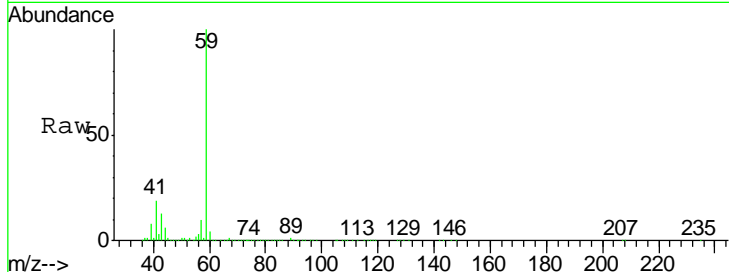
#11
 Tert butyl alcohol
 Concen: 225.68 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.6	8.2	12.4

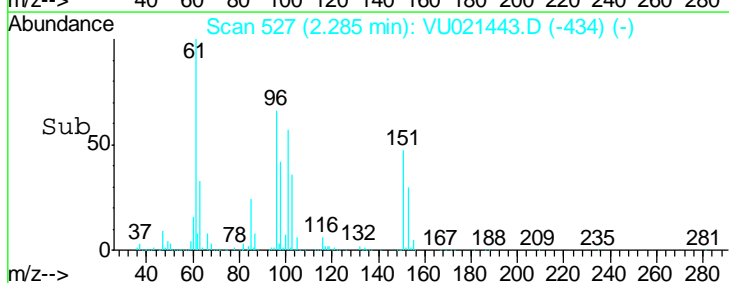
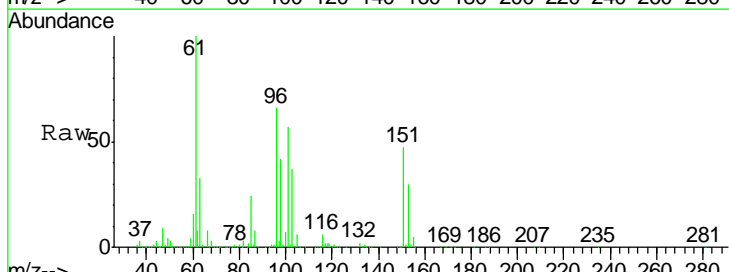
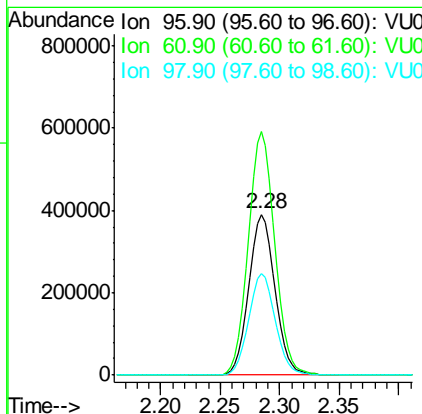
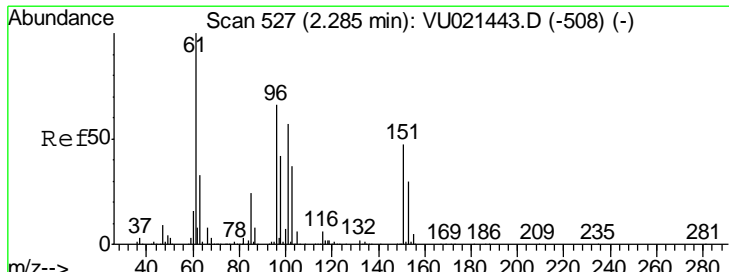
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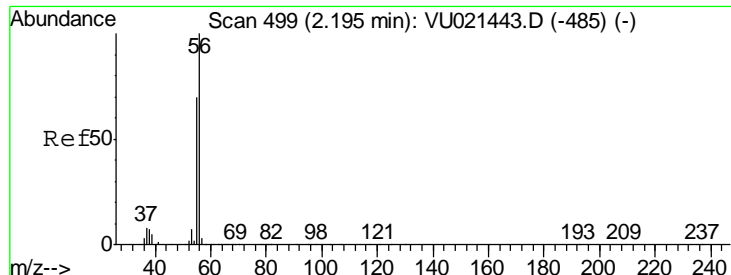
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#12
 1,1-Dichloroethene
 Concen: 43.25 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
96	100		
61	151.9	129.1	193.7
98	63.6	51.2	76.8





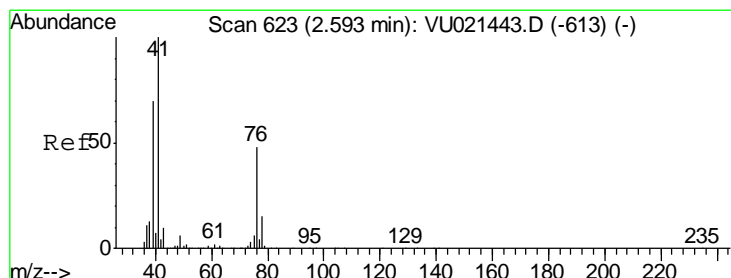
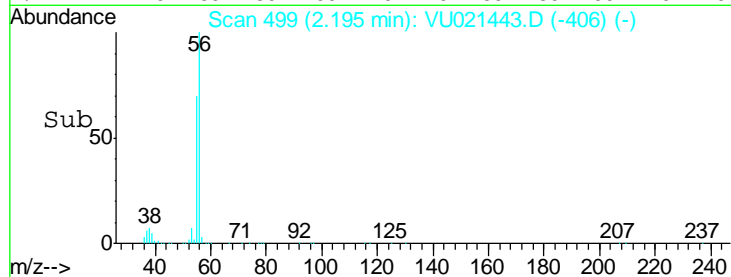
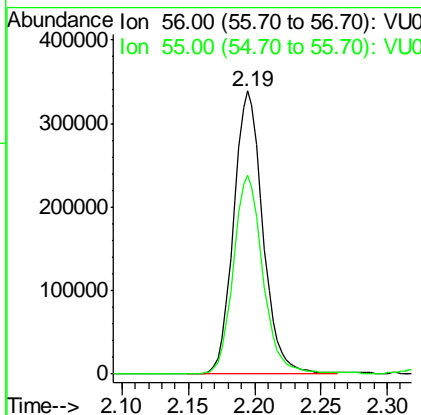
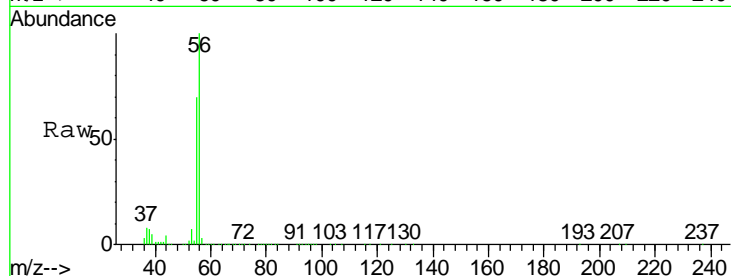
#13
 Acrolein
 Concen: 212.25 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	518011		
55	70.6	58.0	87.0

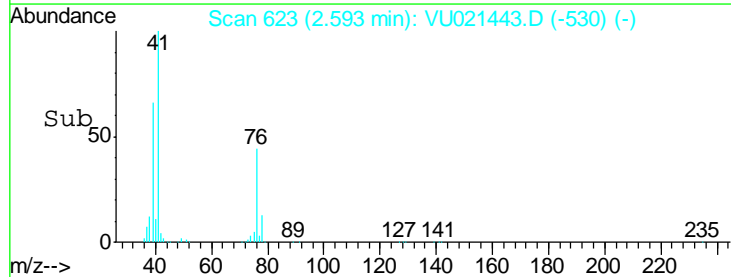
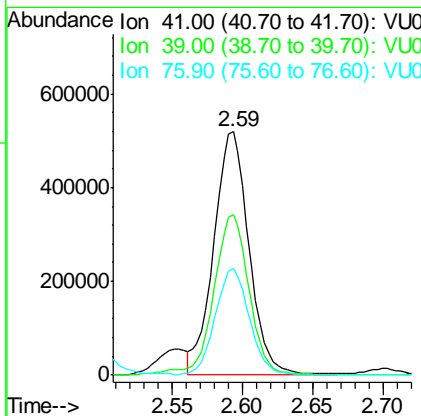
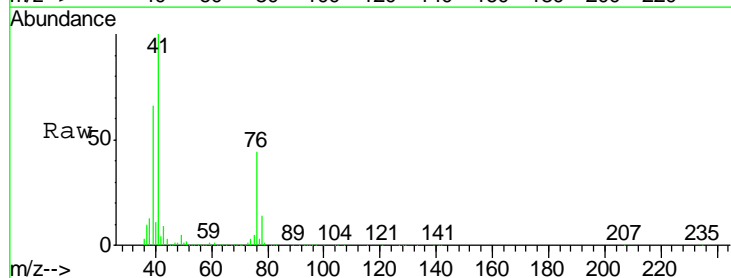
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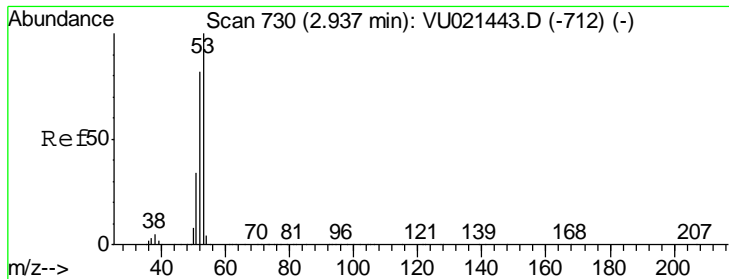
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#14
 Allyl chloride
 Concen: 50.02 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

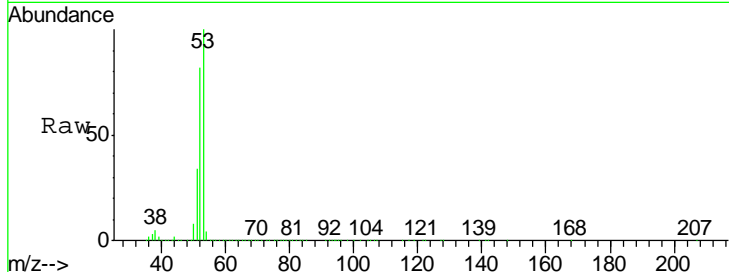
Tgt Ion	Resp	Lower	Upper
41	894676		
39	65.9	54.2	81.4
76	42.5	29.1	43.7





#15
 Acrylonitrile
 Concen: 261.51 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

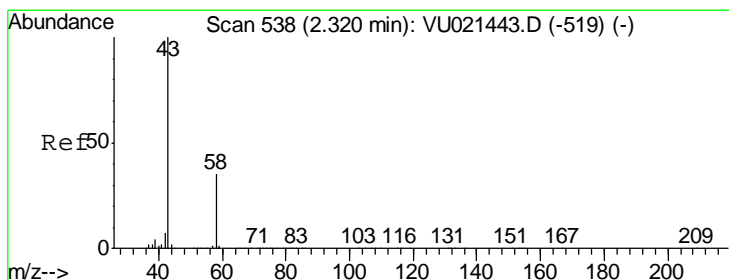
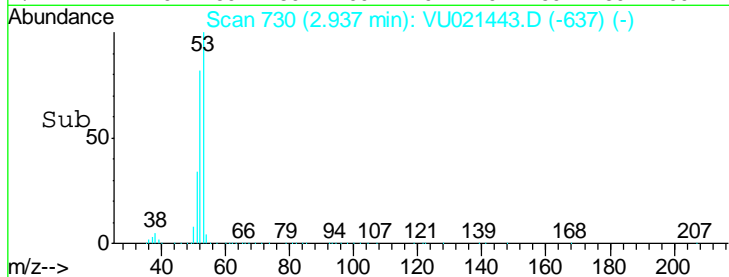
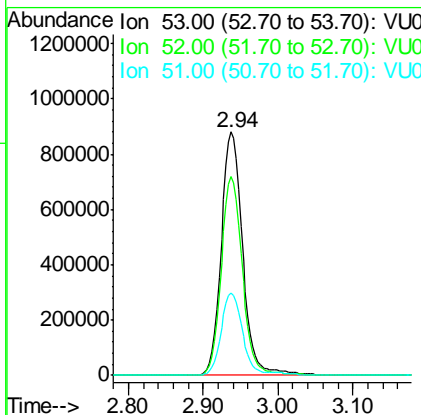


Tgt Ion: 53 Resp: 1740779

Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.8	100.2
51	33.7	27.3	40.9

Manual Integrations
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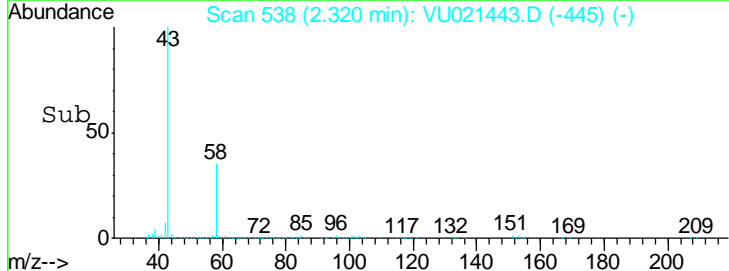
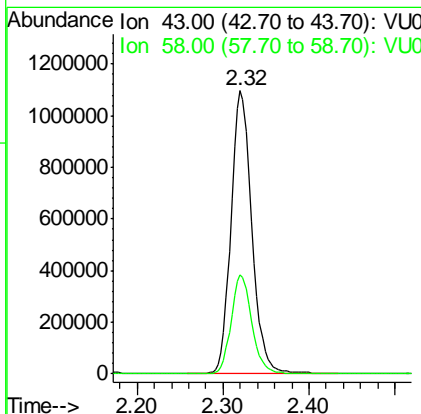
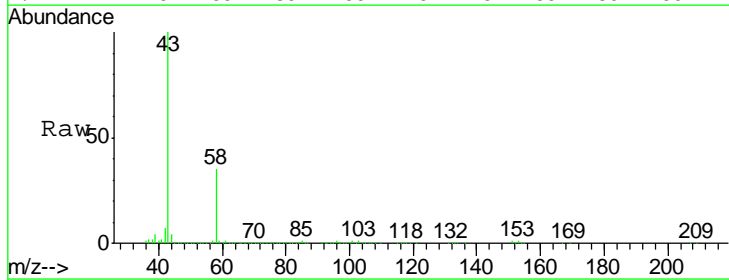
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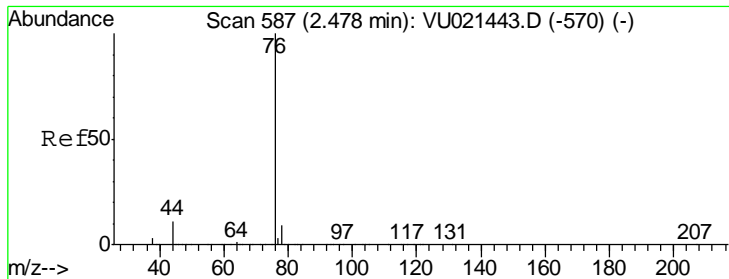


#16
 Acetone
 Concen: 250.17 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion: 43 Resp: 1838042

Ion	Ratio	Lower	Upper
43	100		
58	34.8	26.7	40.1





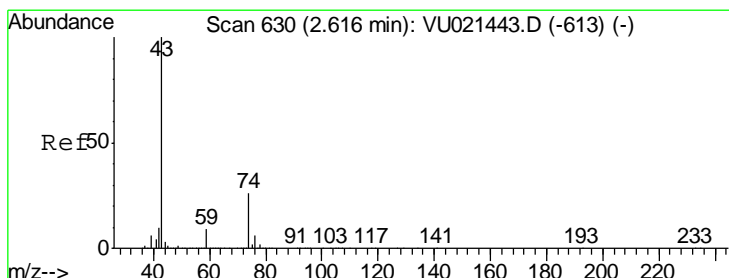
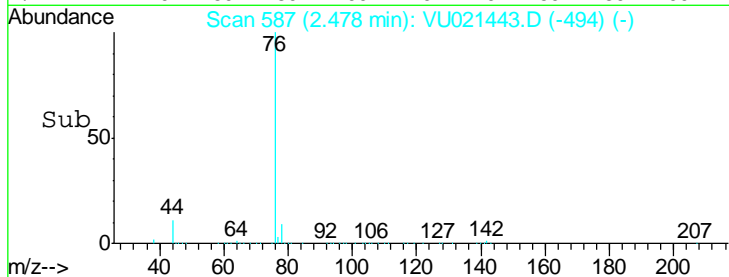
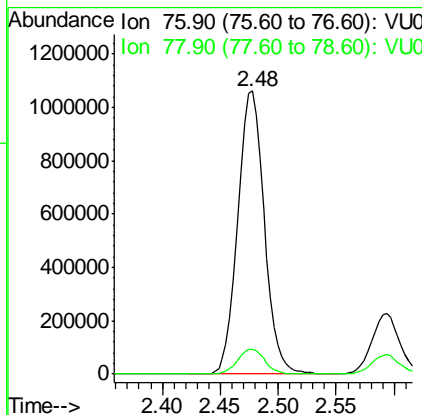
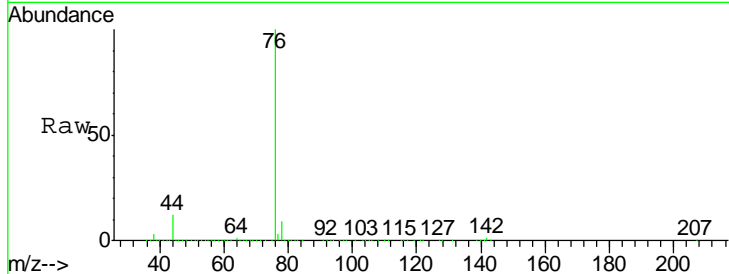
#17
 Carbon Disulfide
 Concen: 42.75 ug/l
 RT: 2.48 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	1685171		
76	100		
78	8.9	7.4	11.0

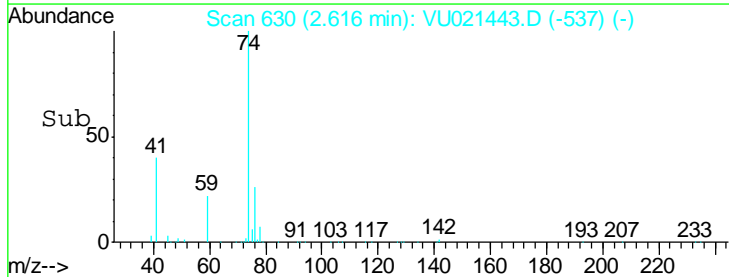
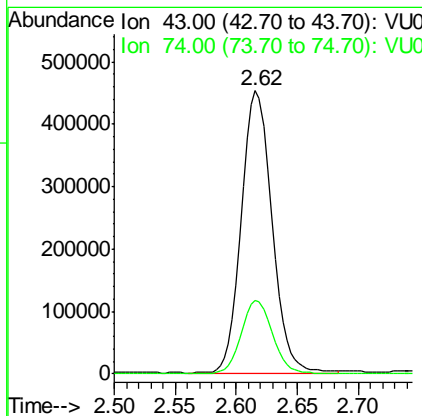
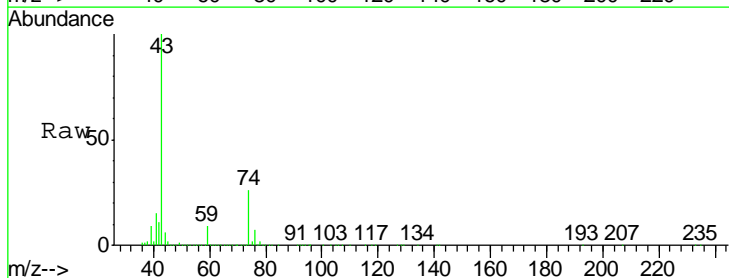
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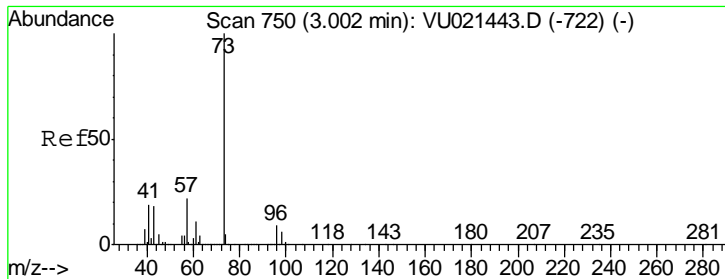
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#18
 Methyl Acetate
 Concen: 53.51 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
43	781630		
43	100		
74	26.6	18.6	27.8





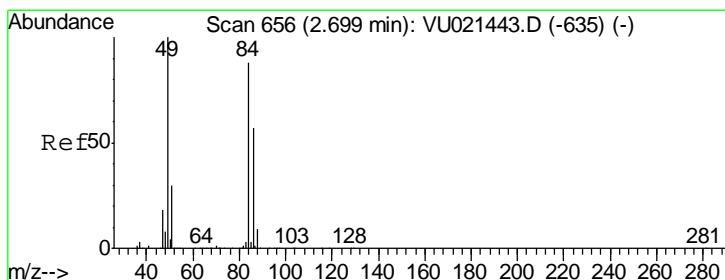
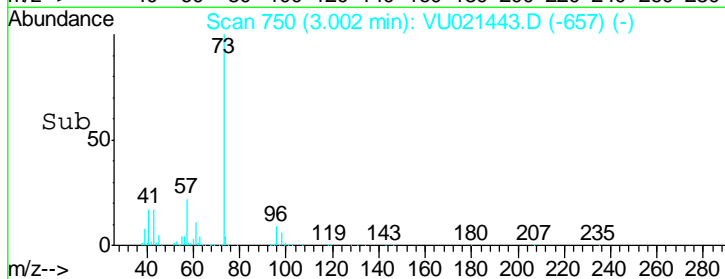
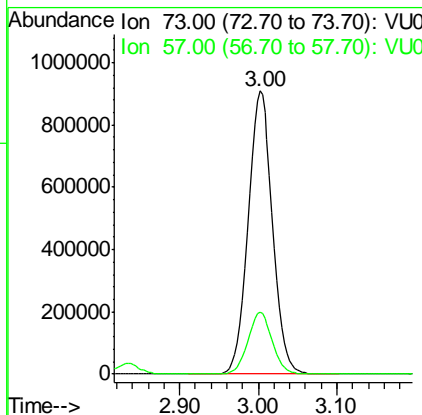
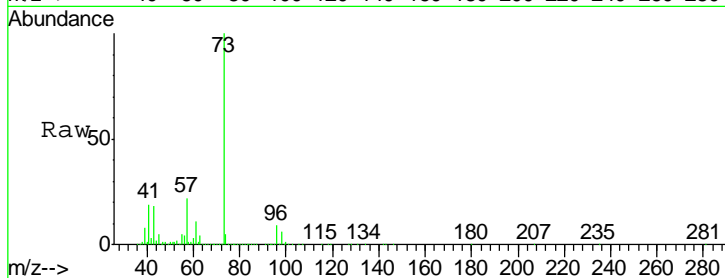
#19
 Methyl tert-butyl Ether
 Concen: 45.81 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.0	17.6	26.4

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

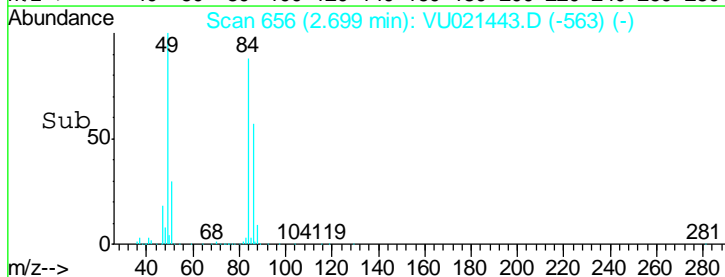
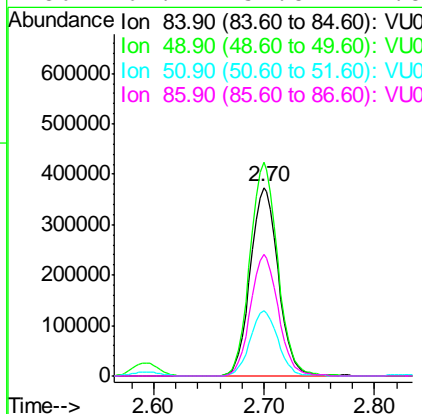
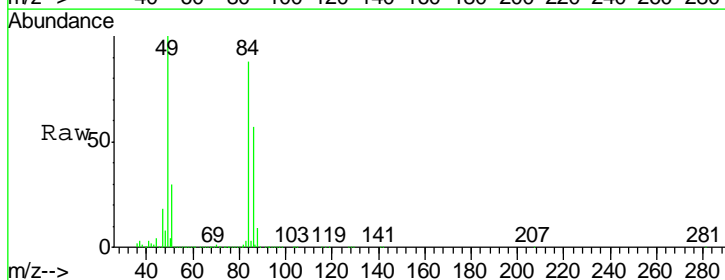
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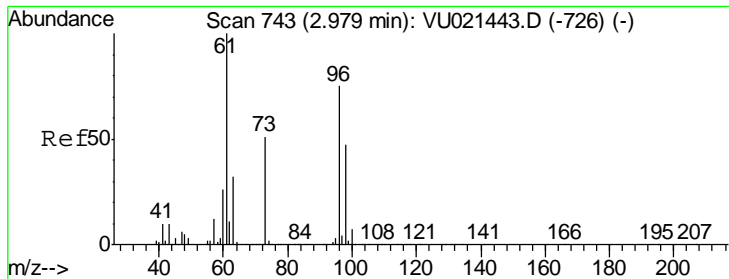
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#20
 Methylene Chloride
 Concen: 46.06 ug/l
 RT: 2.70 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

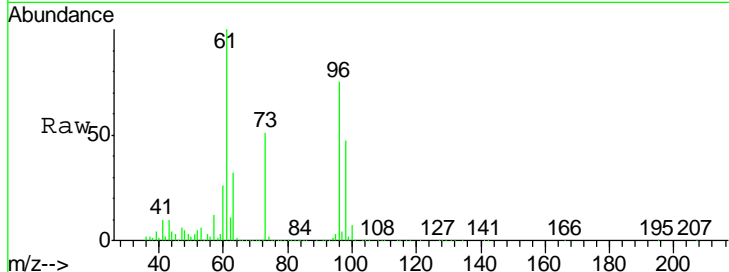
Tgt Ion	Resp	Lower	Upper
84	100		
49	113.0	100.3	150.5
51	34.3	32.2	48.2
86	64.4	51.8	77.8





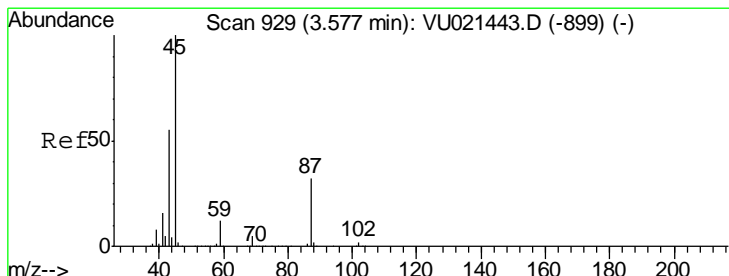
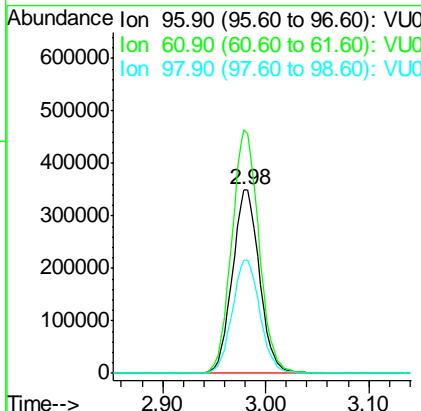
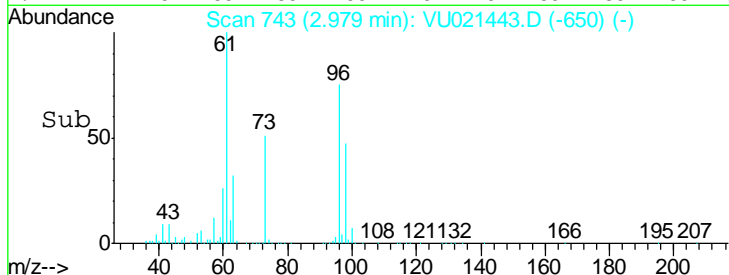
#21
 trans-1,2-Dichloroethene
 Concen: 44.83 ug/l
 RT: 2.98 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

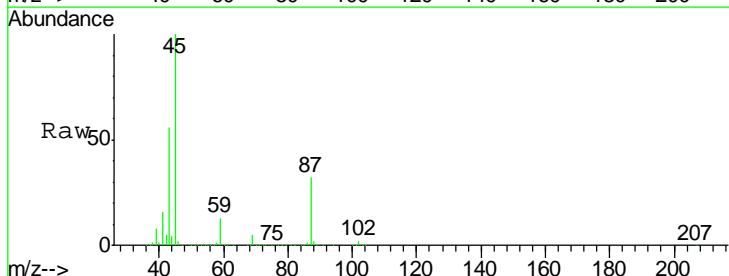


Tgt Ion	Resp	Lower	Upper
96	639809		
96	100		
61	132.8	113.6	170.4
98	62.0	51.0	76.6

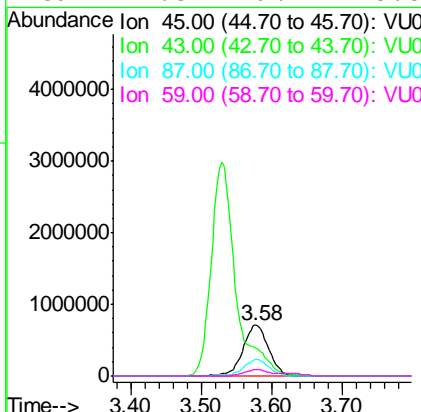
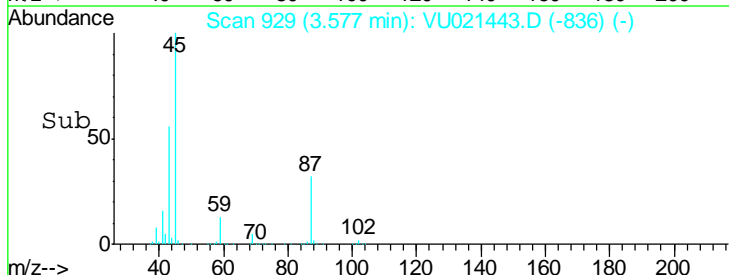
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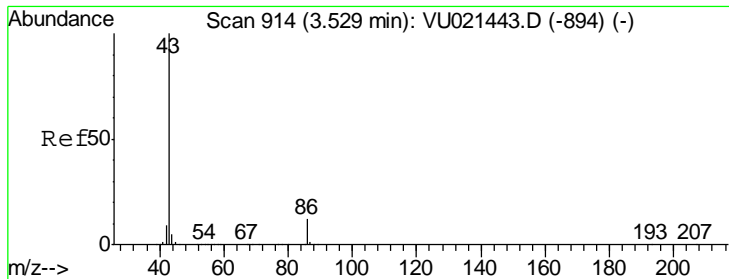


#22
 Diisopropyl ether
 Concen: 54.82 ug/l
 RT: 3.58 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15



Tgt Ion	Resp	Lower	Upper
45	1796572		
45	100		
43	55.2	42.6	63.8
87	32.2	21.0	31.6#
59	12.5	9.2	13.8





#23
 Vinyl Acetate
 Concen: 271.67 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

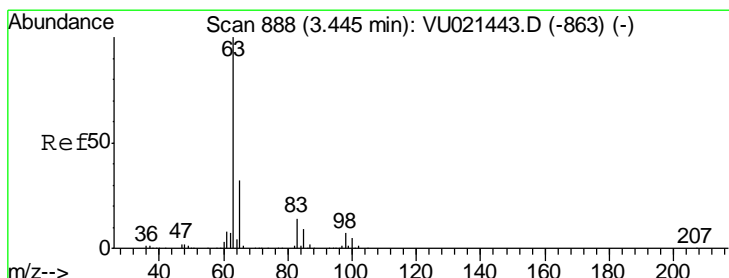
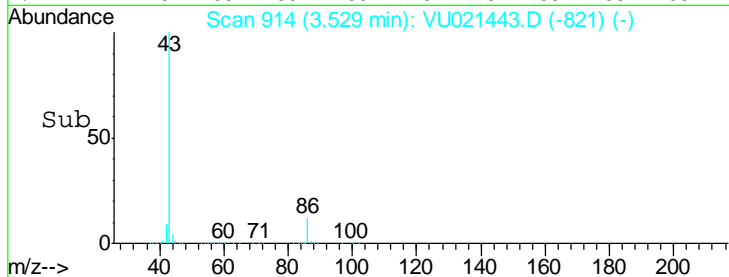
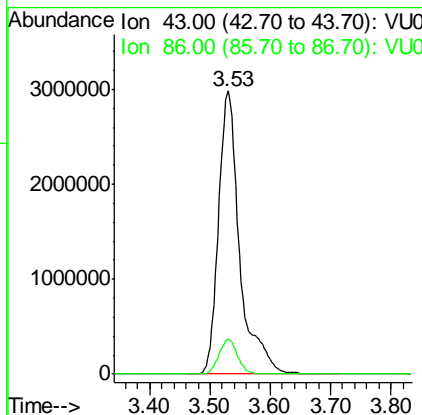
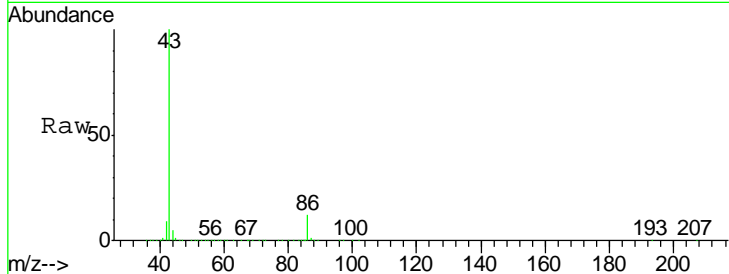
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion: 43 Resp: 7229165

Ion	Ratio	Lower	Upper
43	100		
86	12.2	8.0	12.0#

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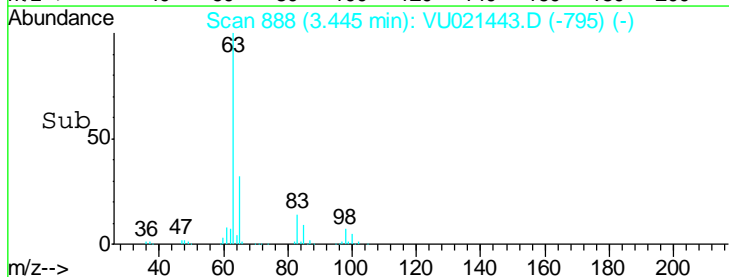
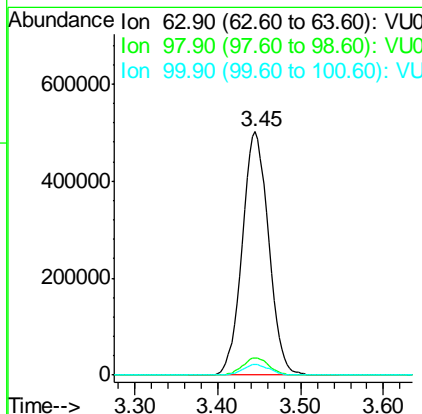
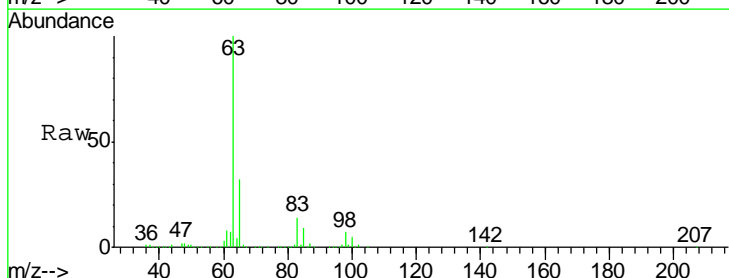
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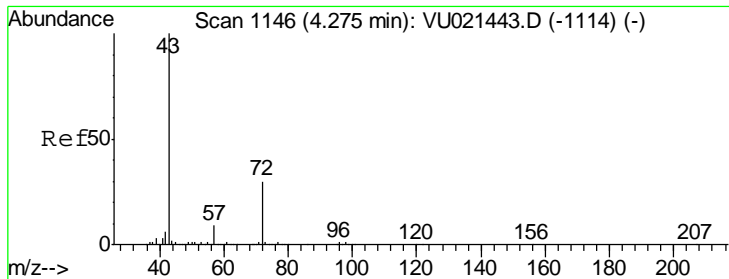


#24
 1,1-Dichloroethane
 Concen: 53.13 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion: 63 Resp: 1107367

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.5	10.4
100	4.6	2.0	5.8





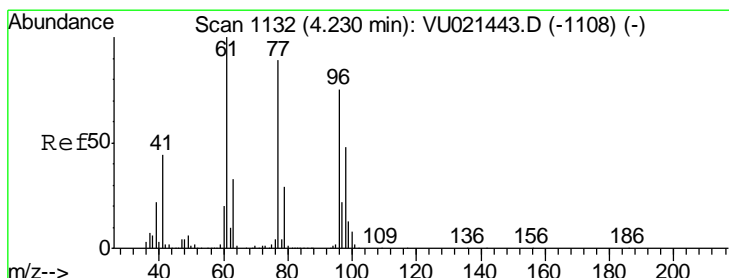
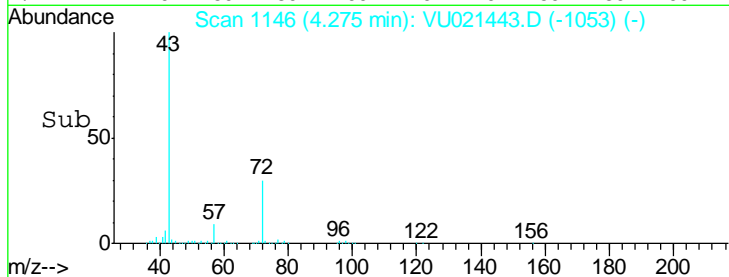
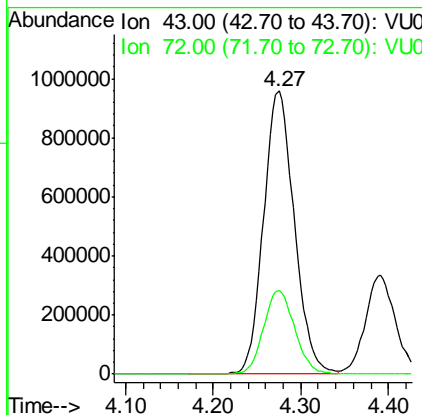
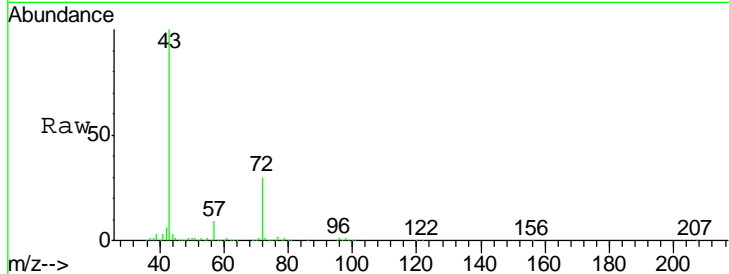
#25
 2-Butanone
 Concen: 295.49 ug/l
 RT: 4.27 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
72	29.6	21.4	32.0

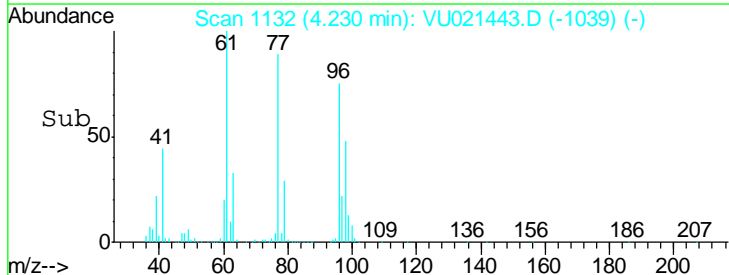
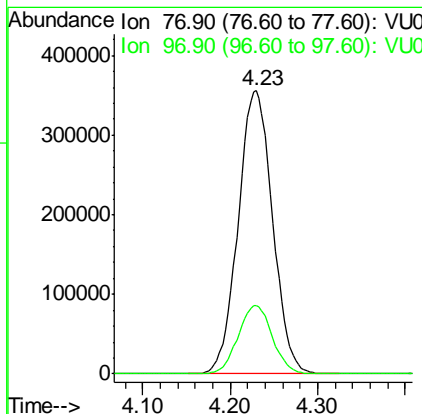
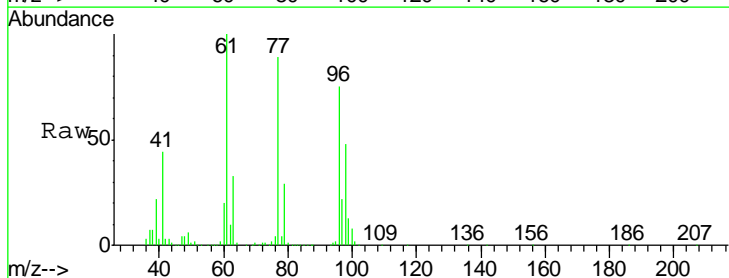
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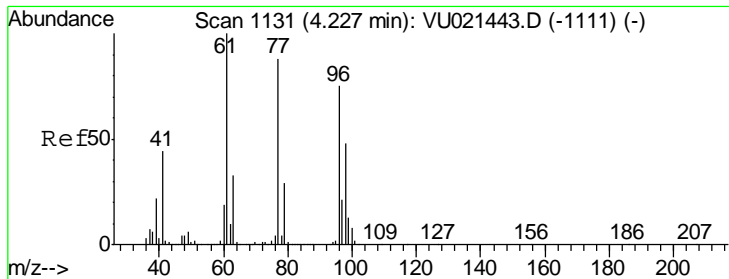
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#26
 2,2-Dichloropropane
 Concen: 49.29 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.1	11.9	35.9





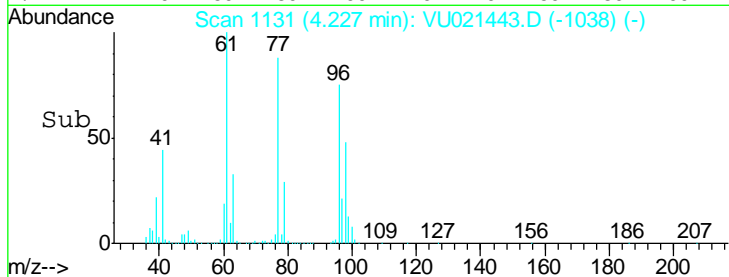
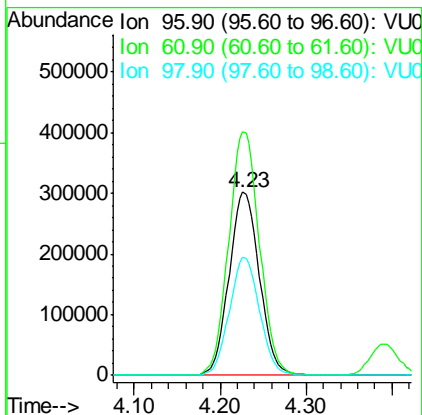
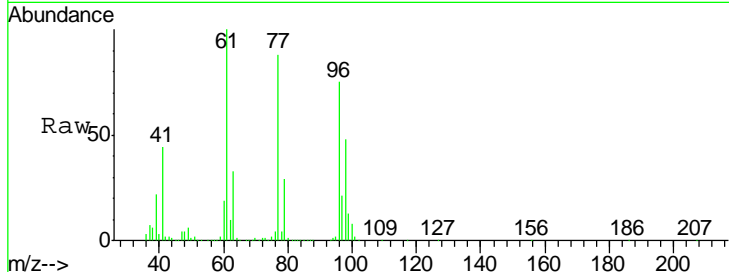
#27
 cis-1,2-Dichloroethene
 Concen: 51.76 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	739332		
96	100		
61	135.1	0.0	273.2
98	64.1	0.0	128.6

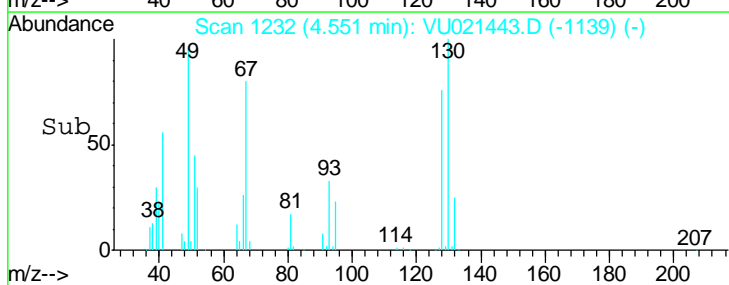
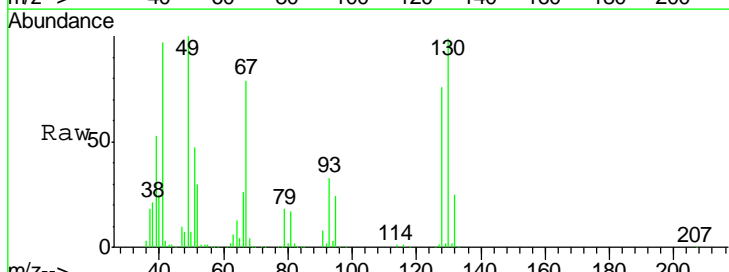
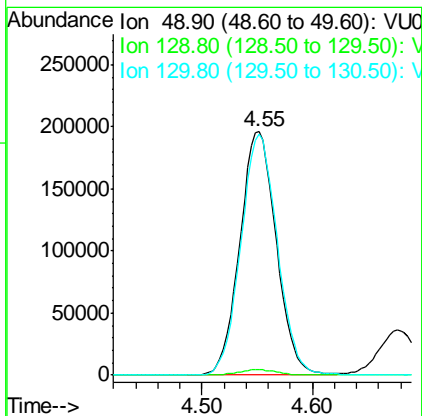
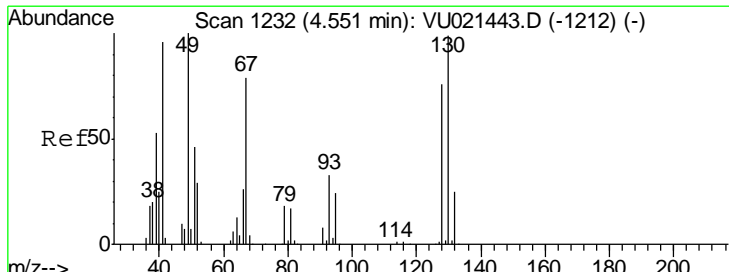
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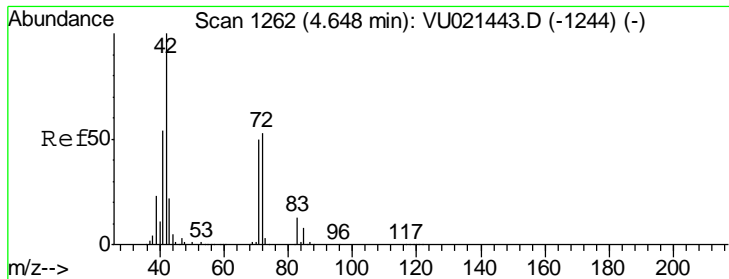
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#28
 Bromochloromethane
 Concen: 49.46 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
49	448995		
49	100		
129	2.4	0.0	4.2
130	98.9	69.0	103.4





#29
 Tetrahydrofuran
 Concen: 278.26 ug/l
 RT: 4.65 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

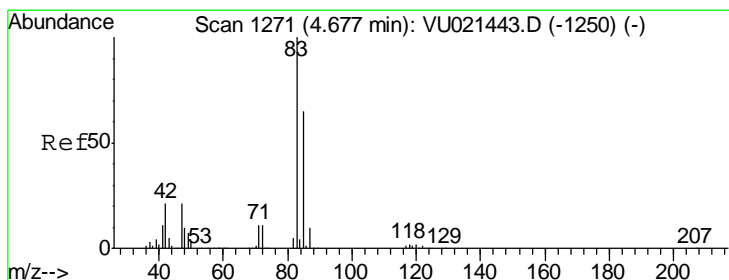
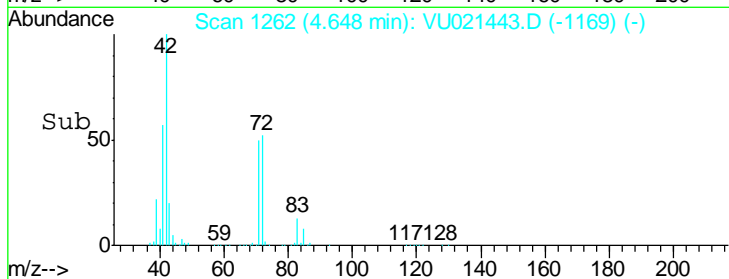
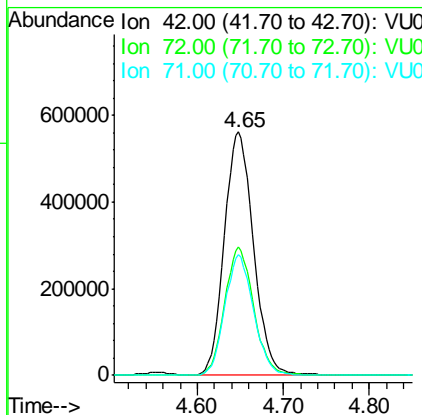
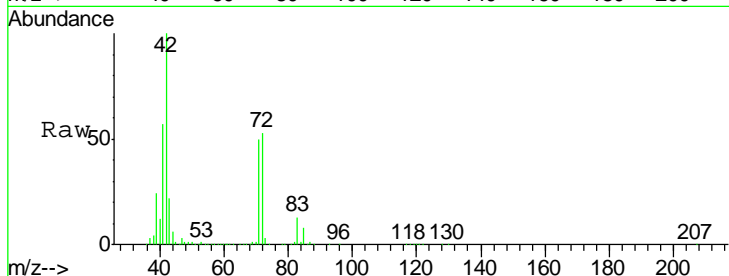
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion: 42 Resp: 1314680

Ion	Ratio	Lower	Upper
42	100		
72	52.5	36.9	55.3
71	49.3	34.5	51.7

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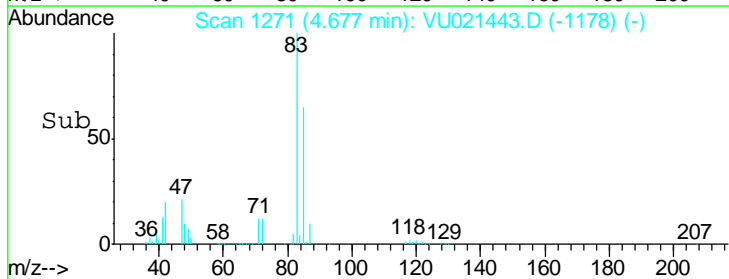
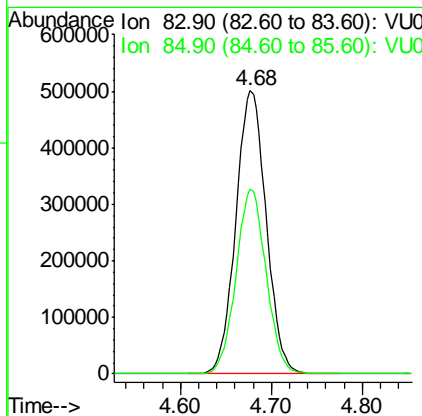
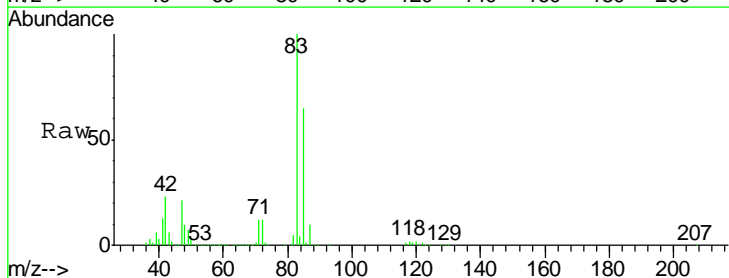
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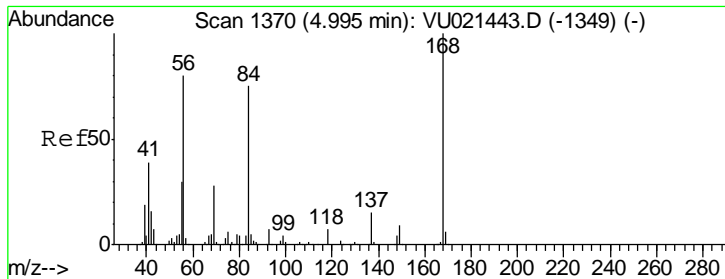


#30
 Chloroform
 Concen: 51.11 ug/l
 RT: 4.68 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion: 83 Resp: 1161047

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.9	74.9





#31
 Cyclohexane
 Concen: 42.68 ug/l
 RT: 5.00 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

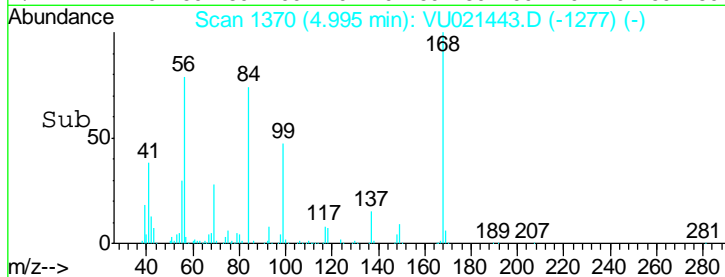
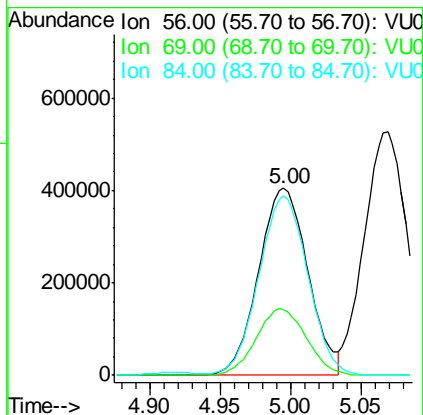
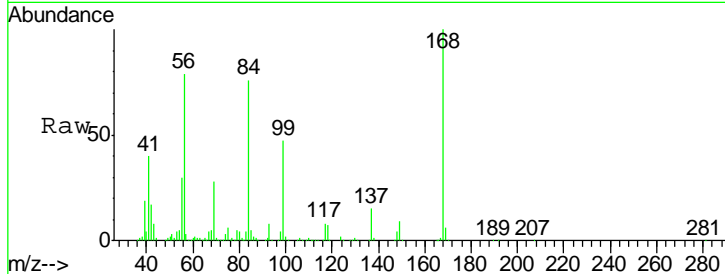
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion: 56 Resp: 985264

Ion	Ratio	Lower	Upper
56	100		
69	35.4	26.5	39.7
84	94.5	70.6	105.8

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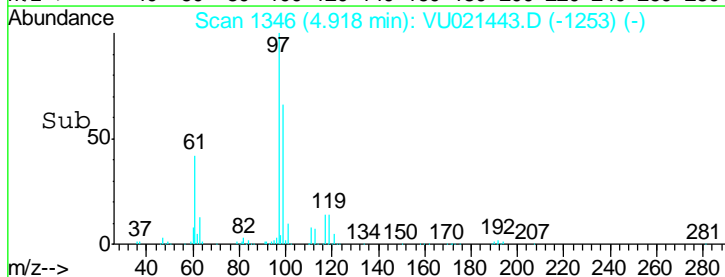
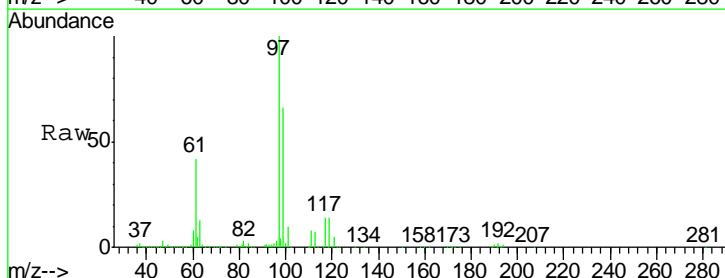
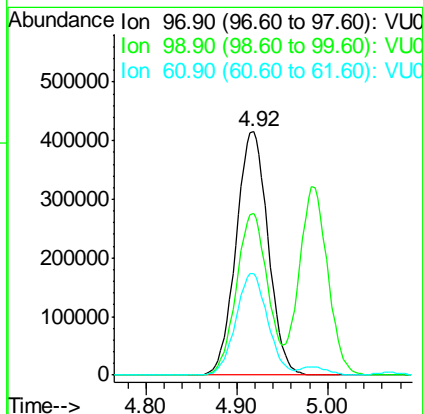
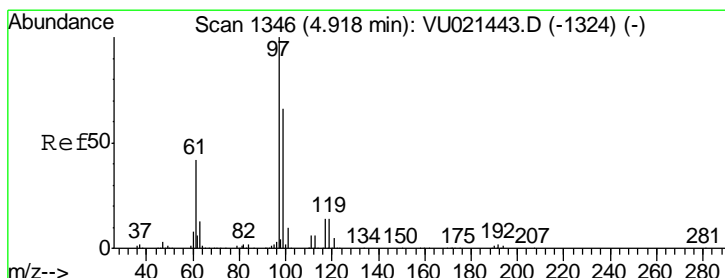
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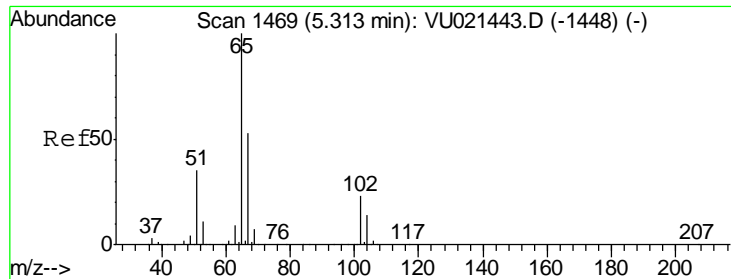


#32
 1,1,1-Trichloroethane
 Concen: 48.48 ug/l
 RT: 4.92 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion: 97 Resp: 1015741

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	41.4	35.0	52.6





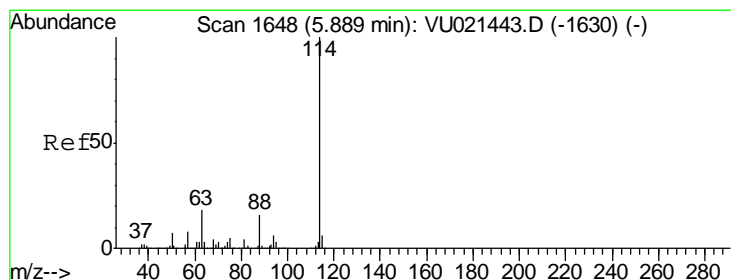
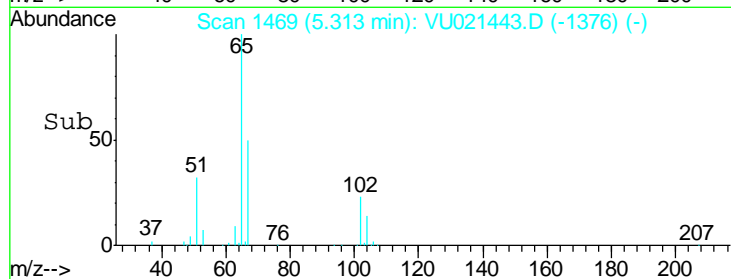
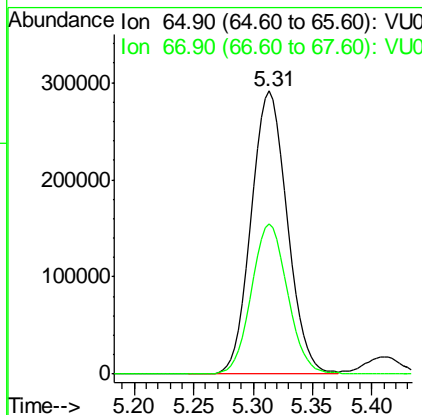
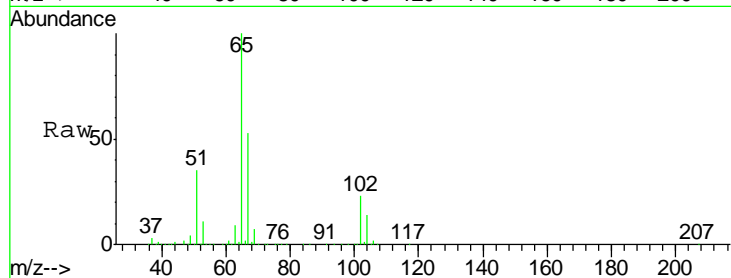
#33
 1,2-Dichloroethane-d4
 Concen: 47.81 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.3	0.0	109.2

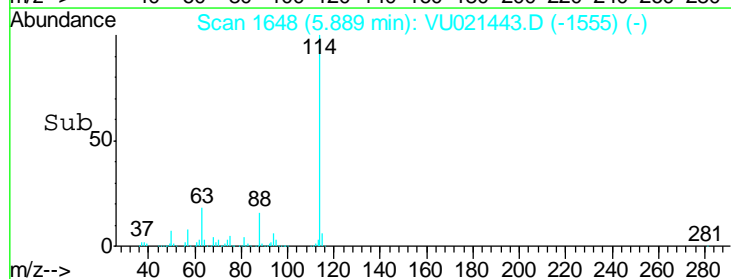
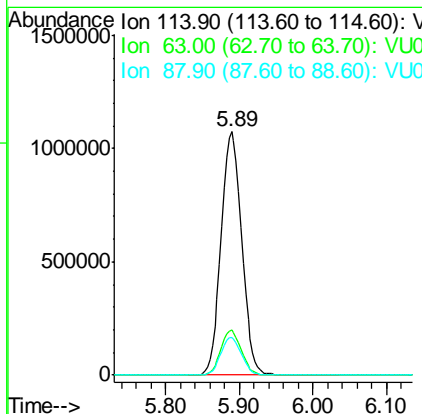
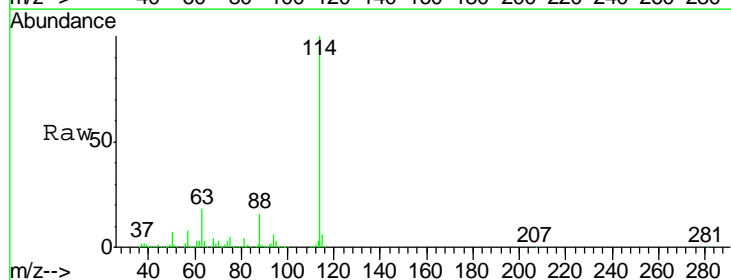
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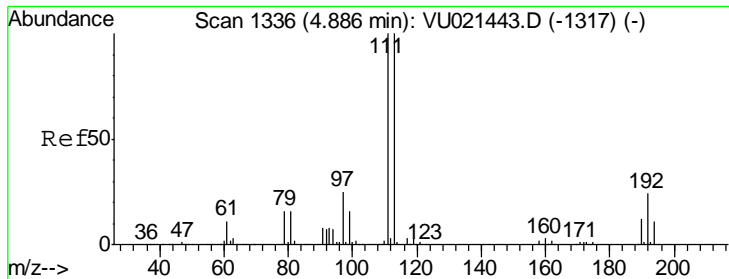
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

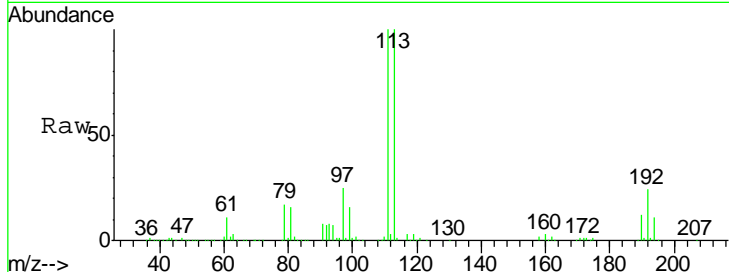
Tgt Ion	Resp	Lower	Upper
114	100		
63	18.3	0.0	38.6
88	15.6	0.0	29.8





#35
 Dibromofluoromethane
 Concen: 43.95 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

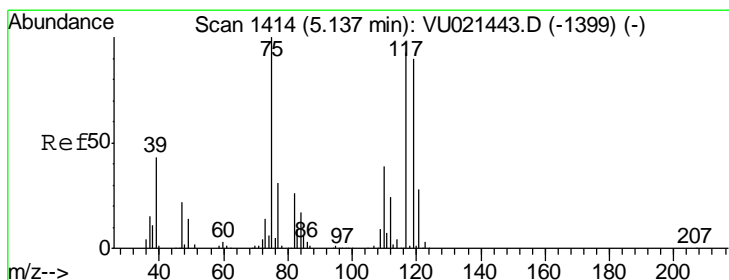
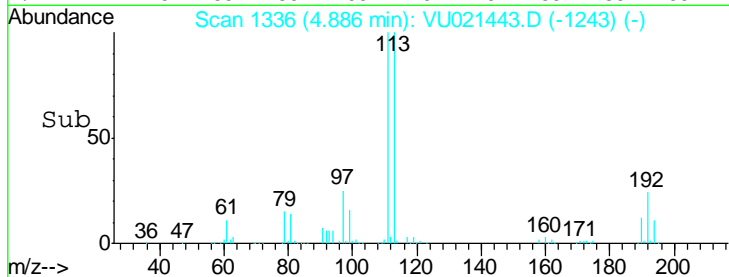
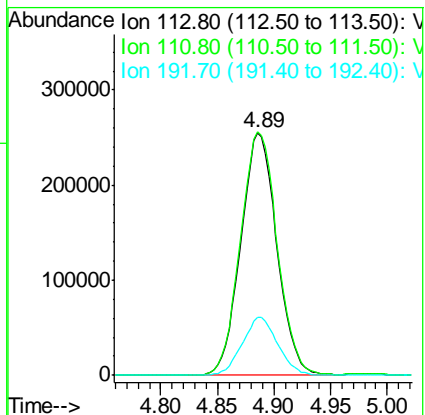


Tgt Ion: 113 Resp: 564804

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.2	121.8
192	23.7	18.2	27.2

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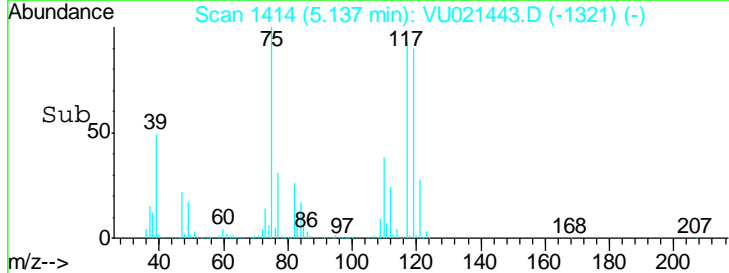
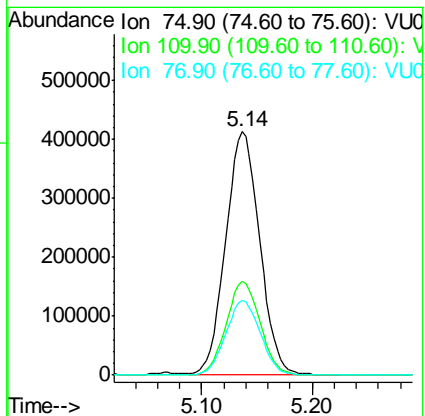
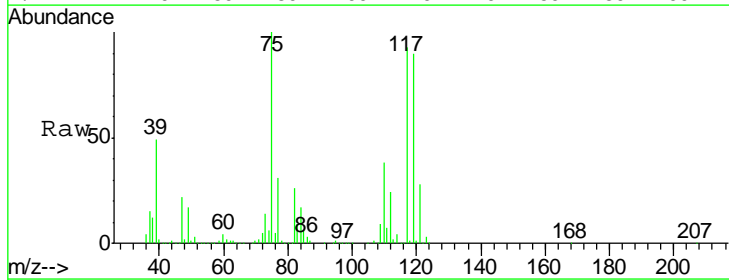
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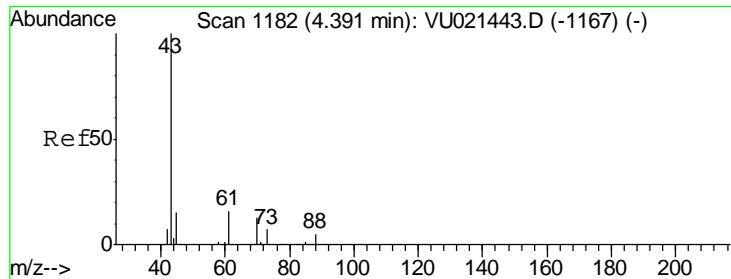


#36
 1,1-Dichloropropene
 Concen: 49.66 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion: 75 Resp: 881420

Ion	Ratio	Lower	Upper
75	100		
110	38.6	18.5	55.5
77	31.1	25.0	37.6





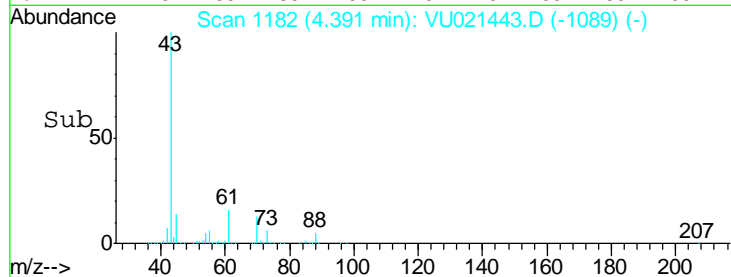
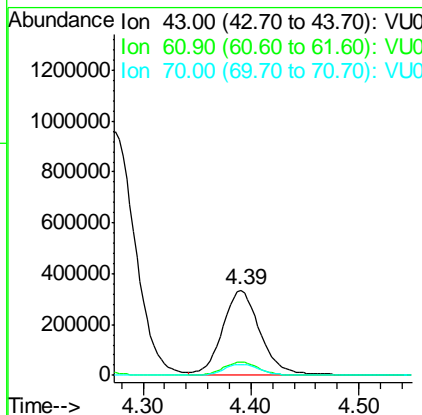
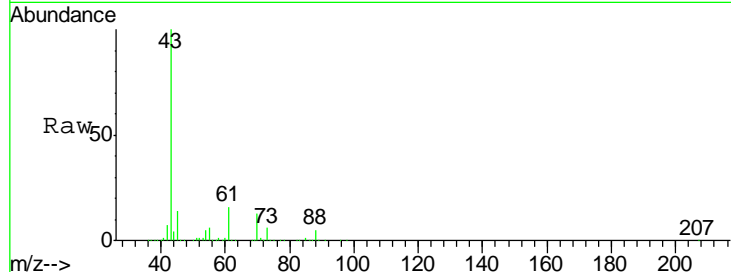
#37
 Ethyl Acetate
 Concen: 54.88 ug/l
 RT: 4.39 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	15.2	11.8	17.8
70	12.8	8.6	12.8

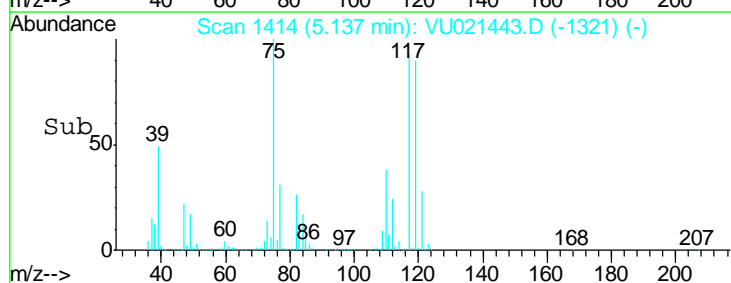
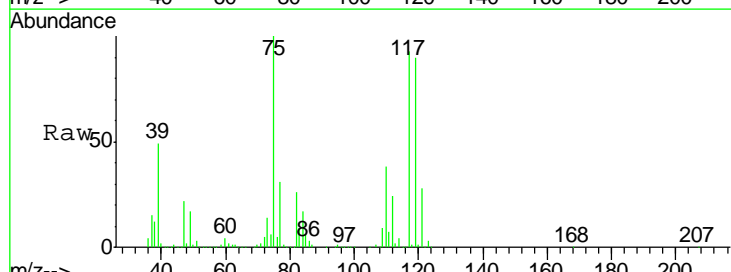
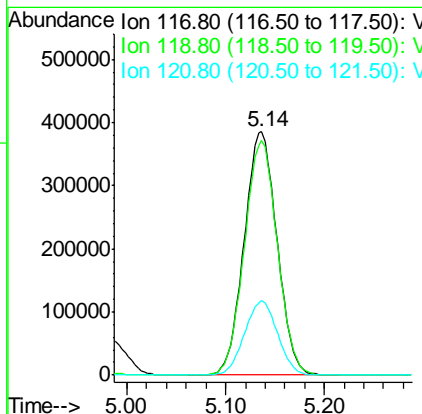
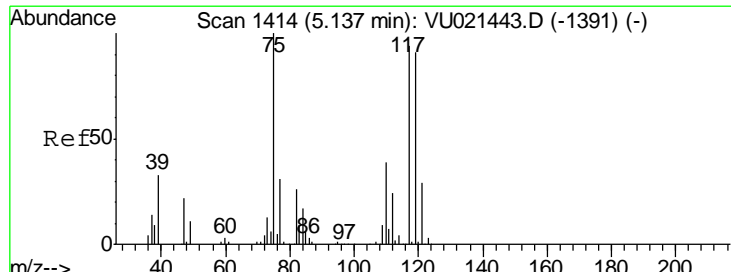
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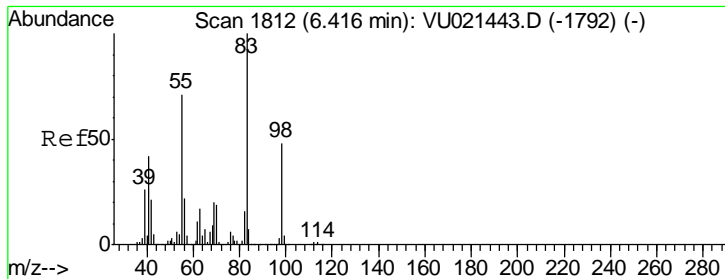
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#38
 Carbon Tetrachloride
 Concen: 44.51 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
117	100		
119	96.4	77.3	115.9
121	30.5	24.9	37.3





#39
 Methylcyclohexane
 Concen: 47.03 ug/l
 RT: 6.42 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

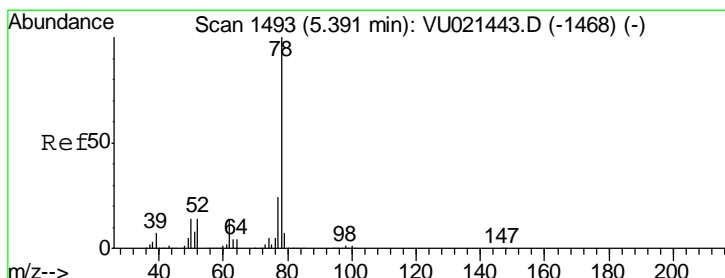
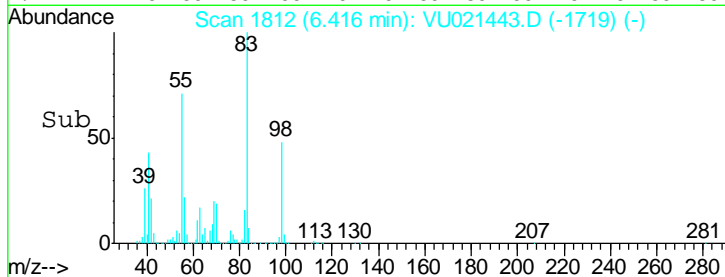
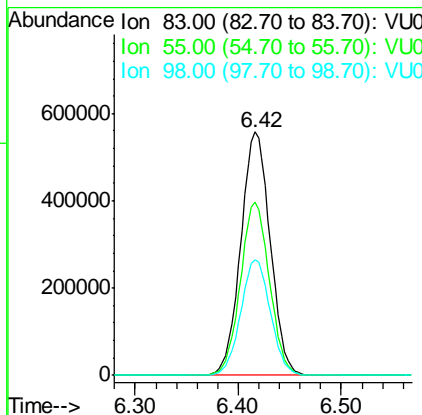
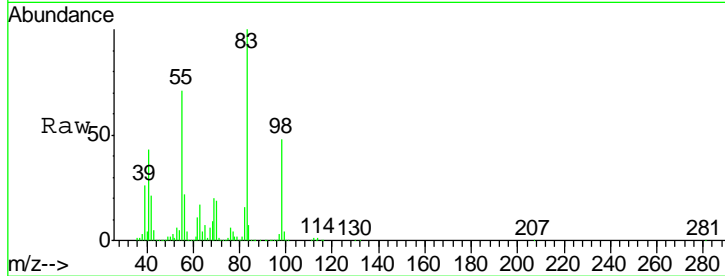
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion: 83 Resp: 1104416

Ion	Ratio	Lower	Upper
83	100		
55	71.0	61.6	92.4
98	47.6	37.4	56.2

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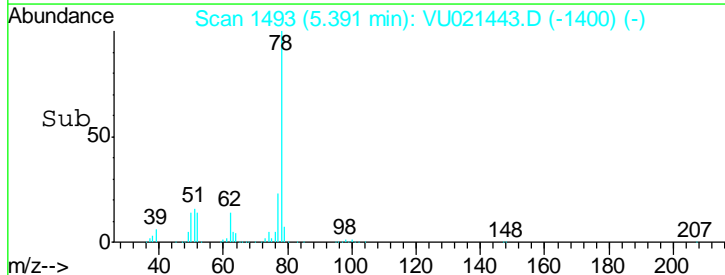
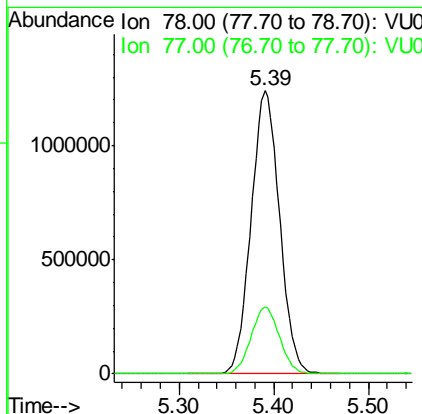
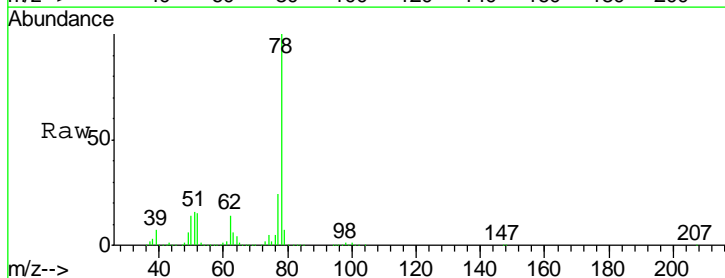
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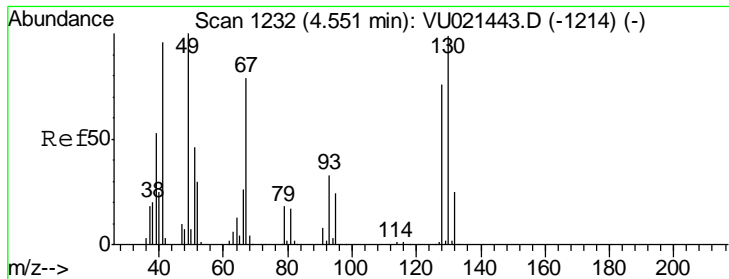


#40
 Benzene
 Concen: 49.00 ug/l
 RT: 5.39 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion: 78 Resp: 2587915

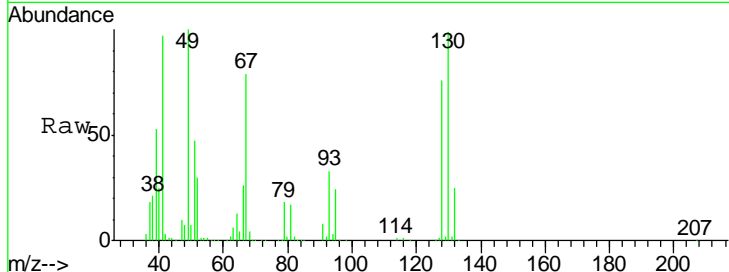
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





#41
 Methacrylonitrile
 Concen: 53.06 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

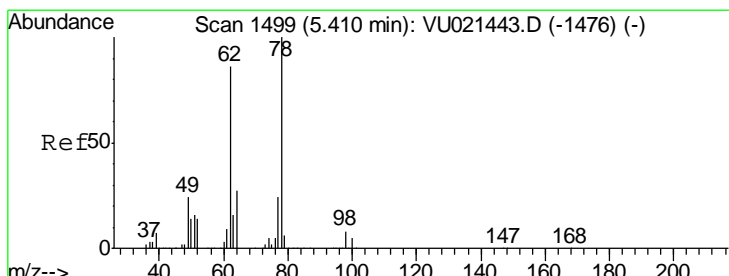
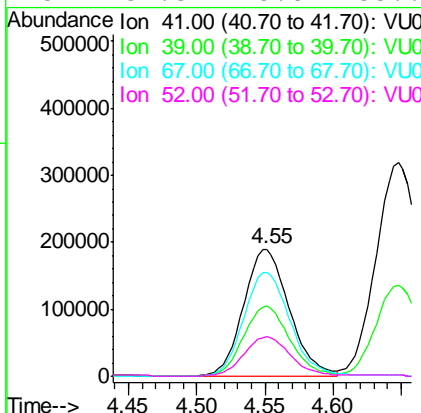
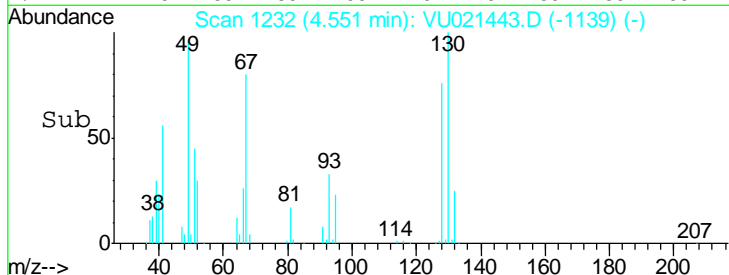
Instrument : MSVOA_U
 Client Sampled : VSTDICCC050



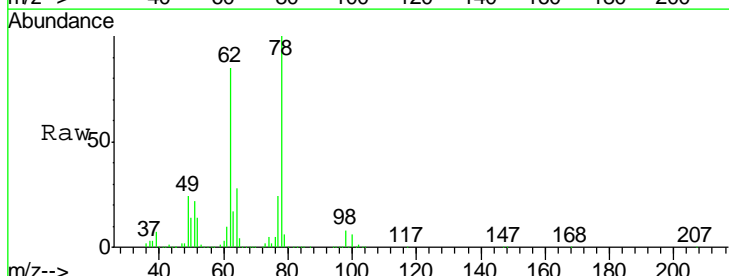
Tgt Ion: 41 Resp: 438541

Ion	Ratio	Lower	Upper
41	100		
39	55.4	41.5	62.3
67	84.0	61.0	91.6
52	31.3	23.8	35.6

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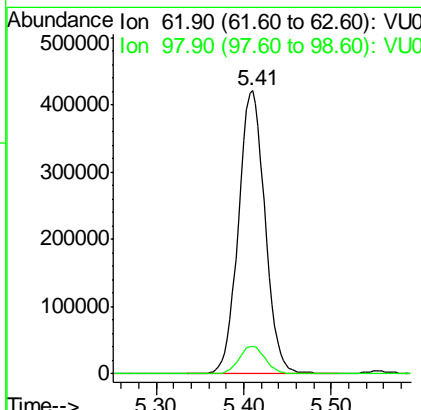
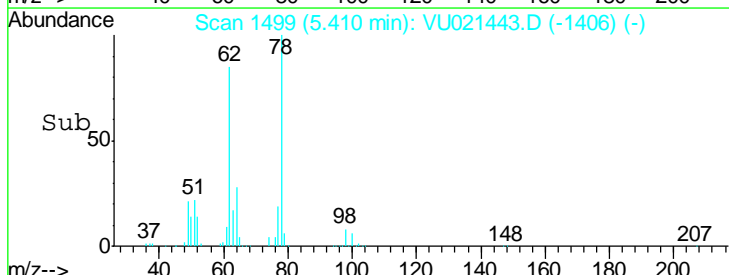


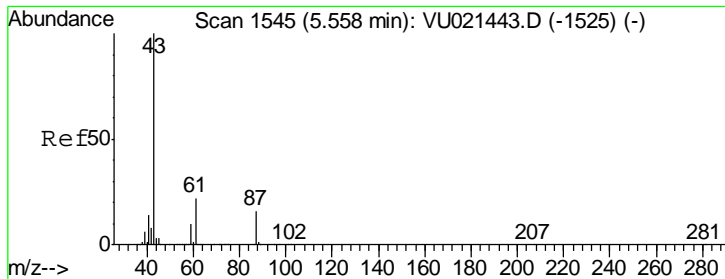
#42
 1,2-Dichloroethane
 Concen: 49.59 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15



Tgt Ion: 62 Resp: 888610

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4





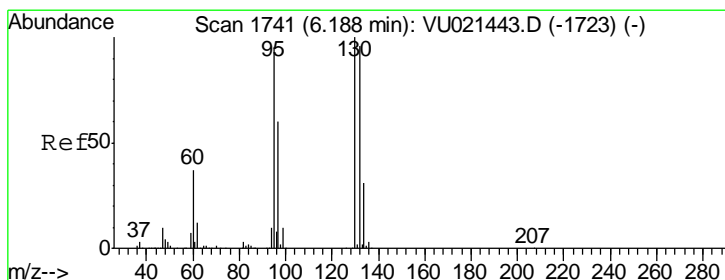
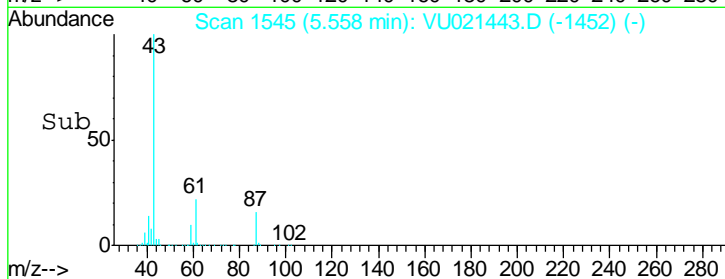
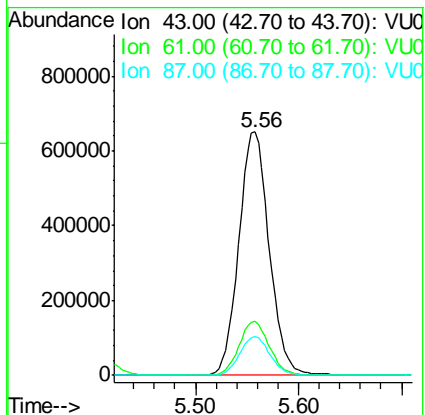
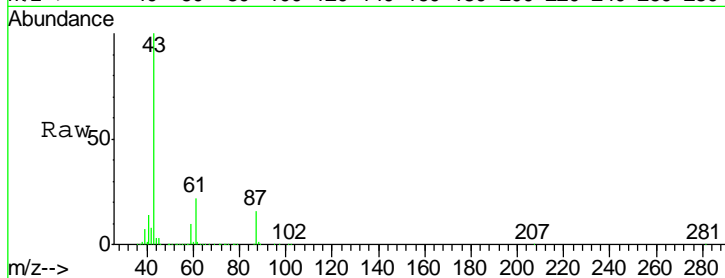
#43
 Isopropyl Acetate
 Concen: 51.23 ug/l
 RT: 5.56 min Scan# 1545
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	22.2	16.5	24.7
87	16.0	11.4	17.0

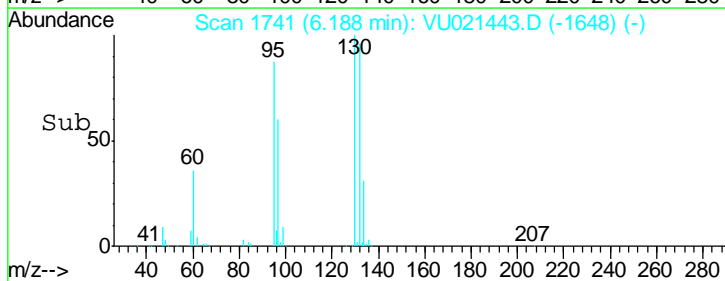
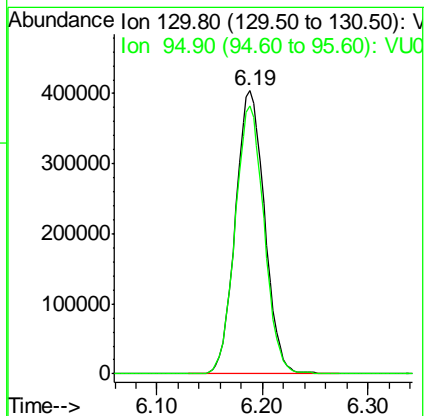
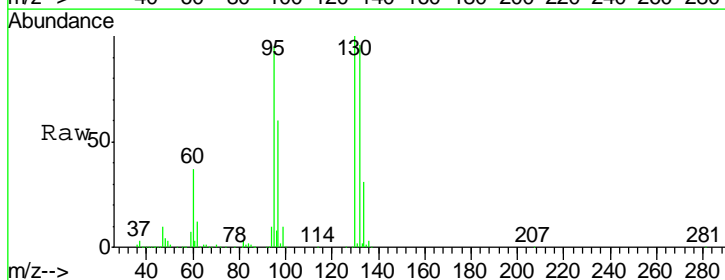
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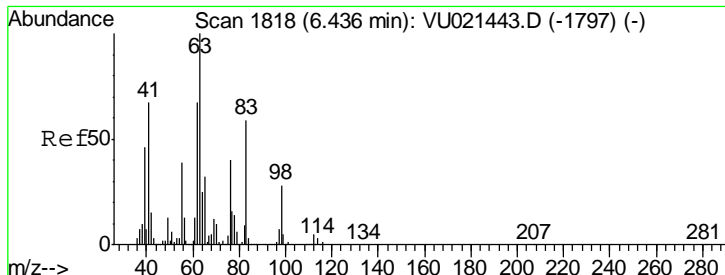
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#44
 Trichloroethene
 Concen: 46.36 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
130	100		
95	94.8	0.0	197.8





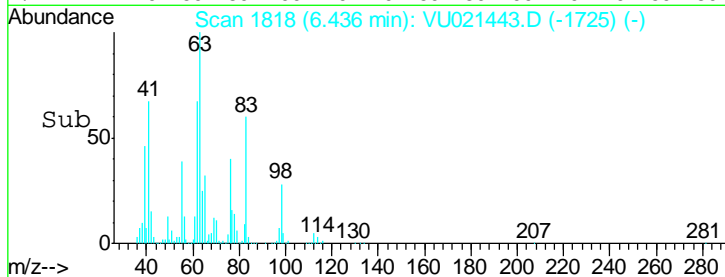
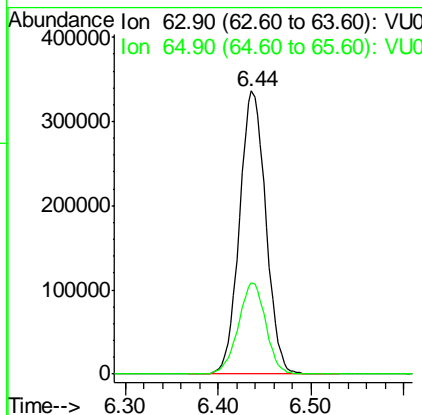
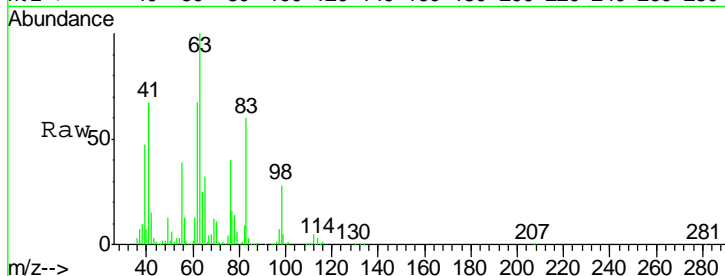
#45
 1,2-Dichloropropane
 Concen: 50.38 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
63	100		
65	32.2	24.6	37.0

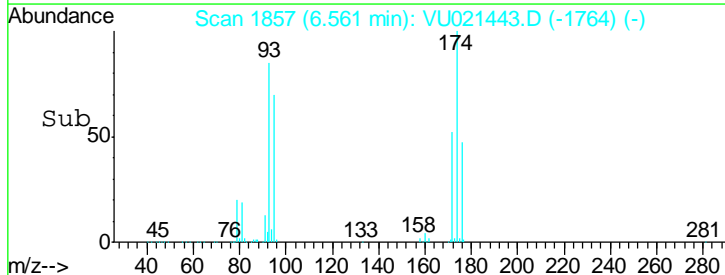
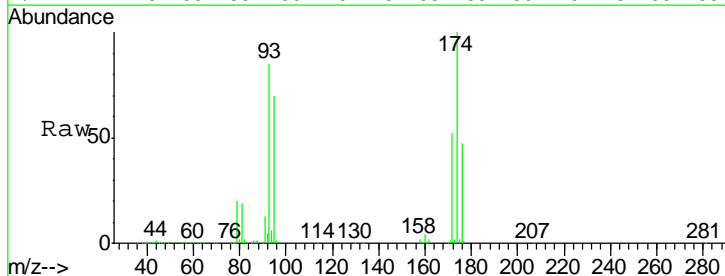
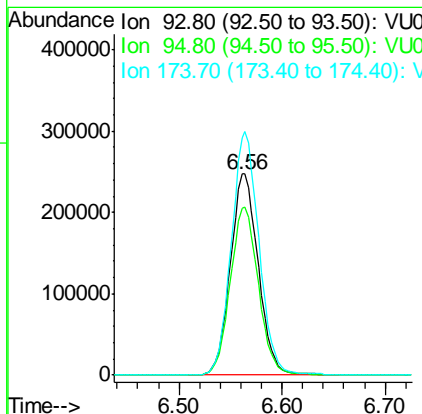
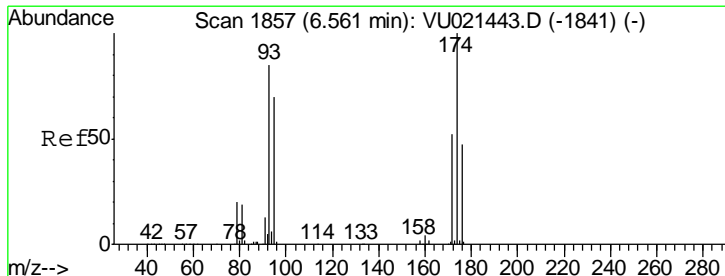
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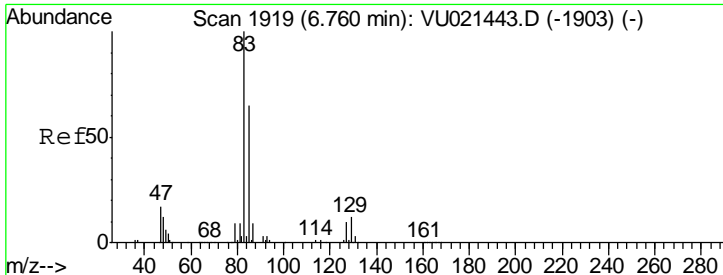
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#46
 Dibromomethane
 Concen: 47.84 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

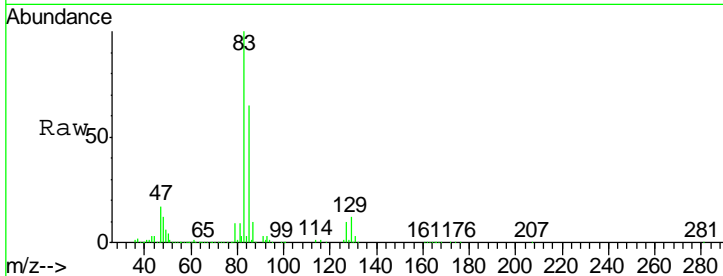
Tgt Ion	Resp	Lower	Upper
93	100		
95	83.5	66.1	99.1
174	119.5	88.5	132.7





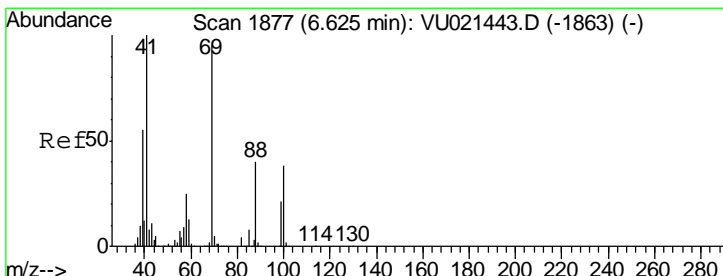
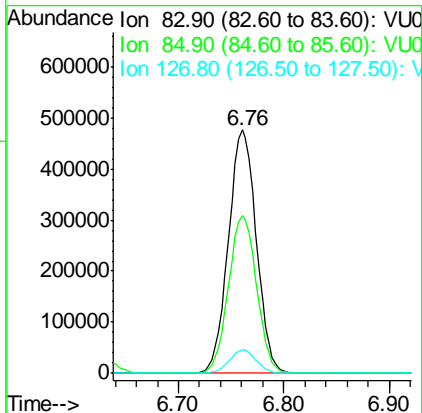
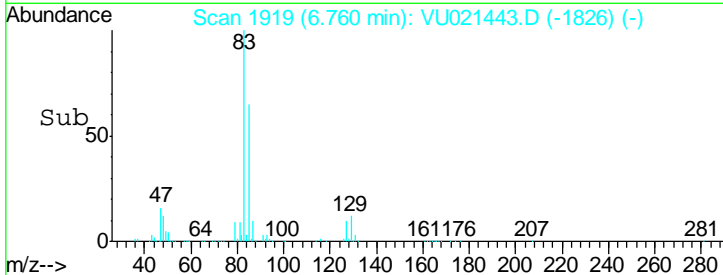
#47
 Bromodichloromethane
 Concen: 47.39 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

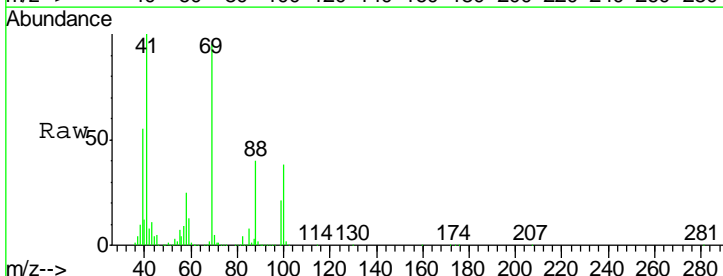


Tgt Ion	Resp	Lower	Upper
83	100		
85	64.9	51.4	77.0
127	9.6	7.0	10.6

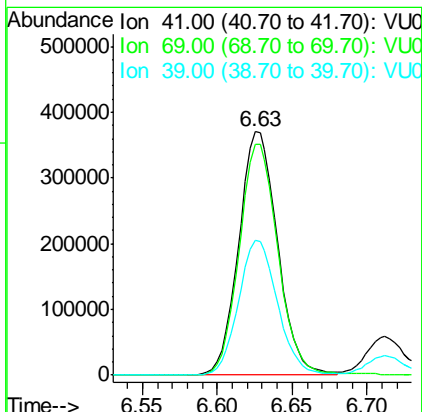
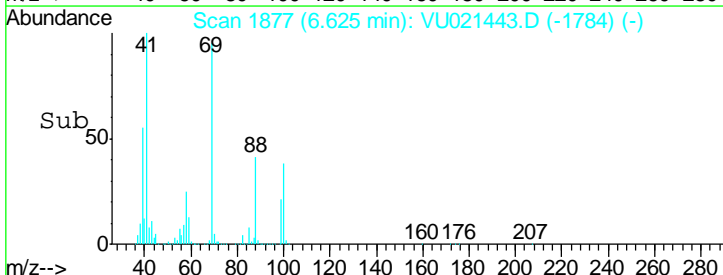
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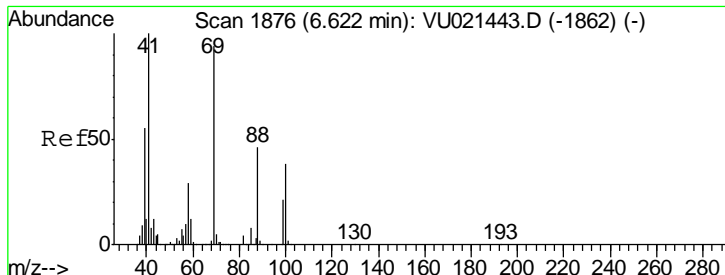


#48
 Methyl methacrylate
 Concen: 53.50 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15



Tgt Ion	Resp	Lower	Upper
41	100		
69	95.6	70.6	105.8
39	55.5	41.6	62.4





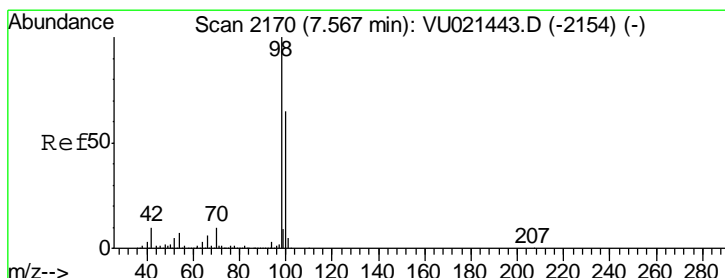
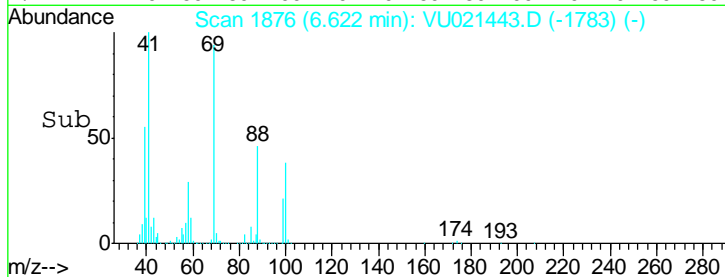
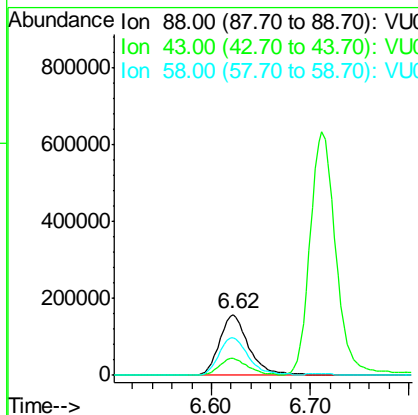
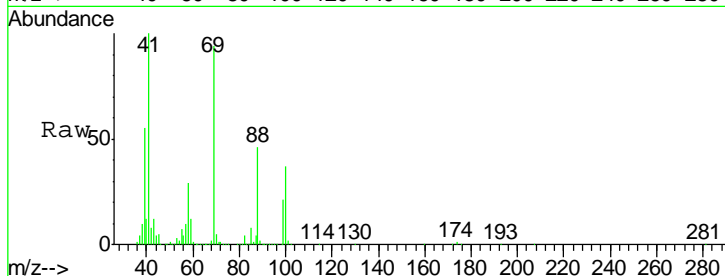
#49
 1,4-Dioxane
 Concen: 1019.56 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
88	320180		
88	100		
43	27.4	23.7	35.5
58	64.9	57.4	86.0

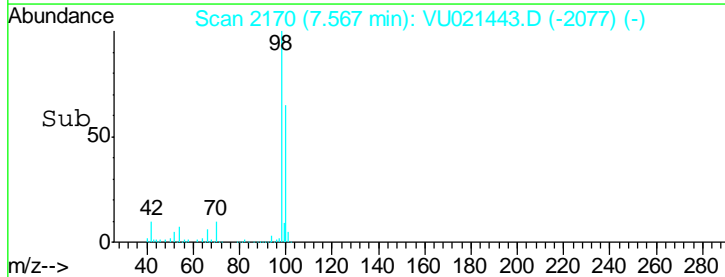
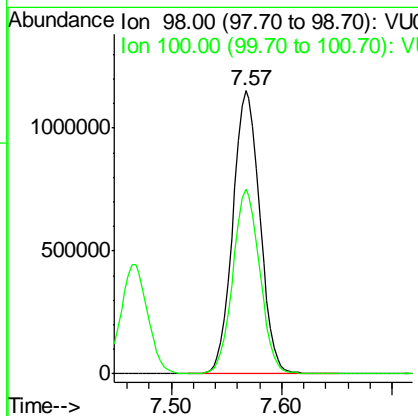
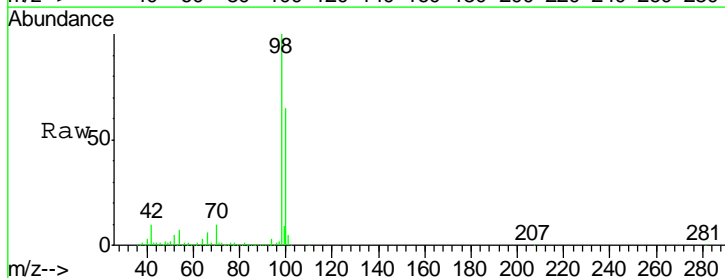
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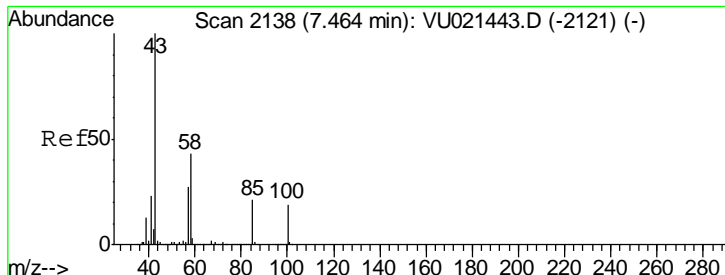
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#50
 Toluene-d8
 Concen: 45.37 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
98	1953703		
98	100		
100	64.8	50.5	75.7





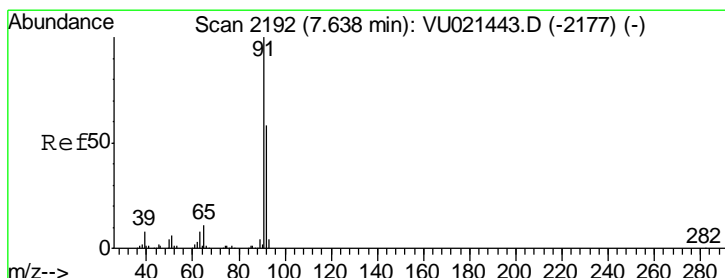
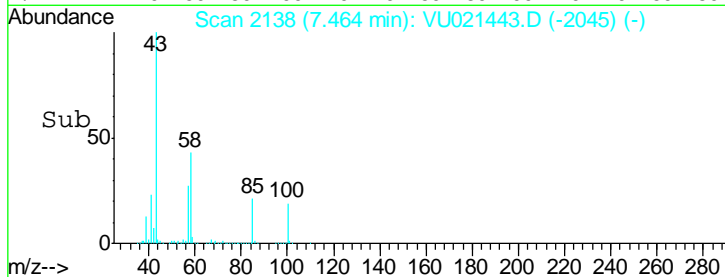
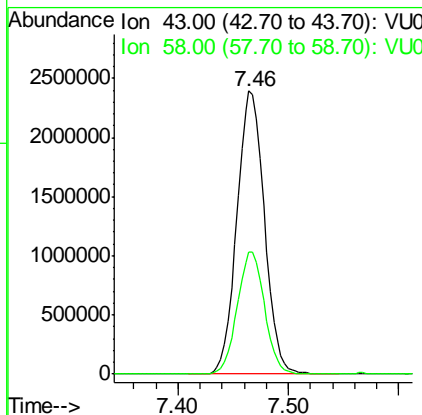
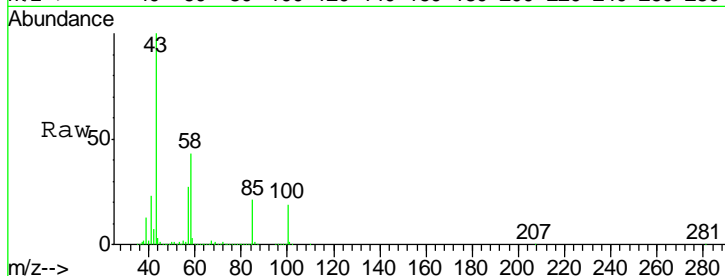
#51
 4-Methyl-2-Pentanone
 Concen: 265.06 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	43.0	32.4	48.6

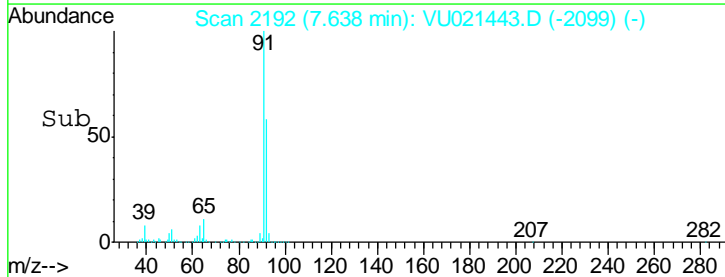
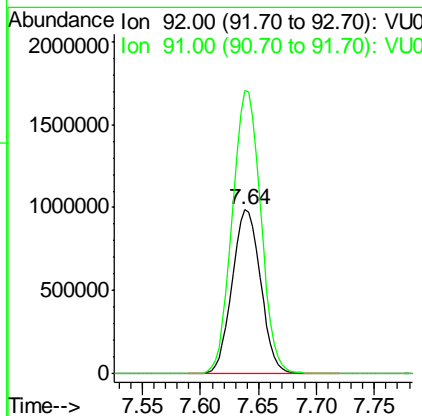
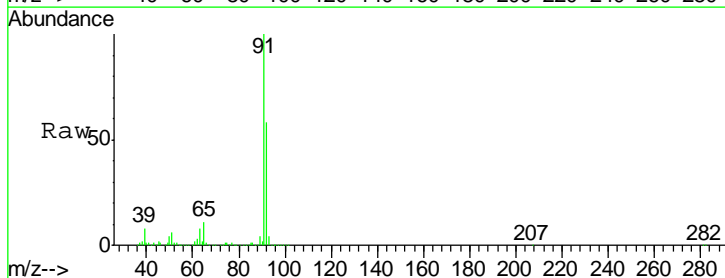
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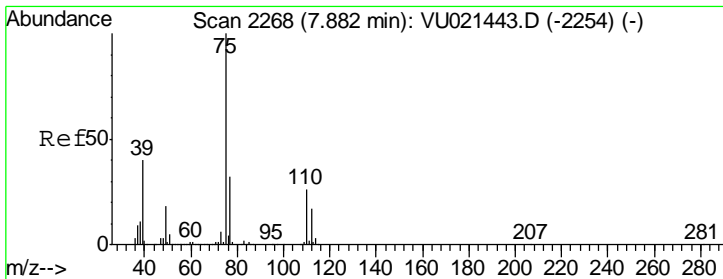
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#52
 Toluene
 Concen: 48.06 ug/l
 RT: 7.64 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
92	100		
91	172.9	139.7	209.5





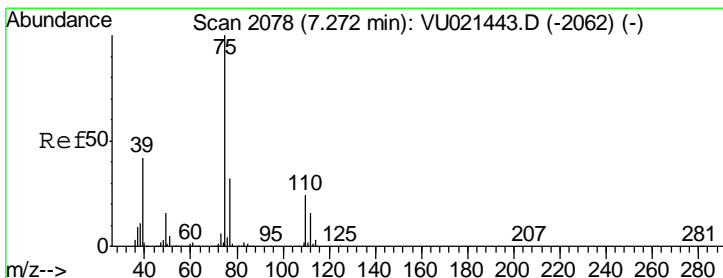
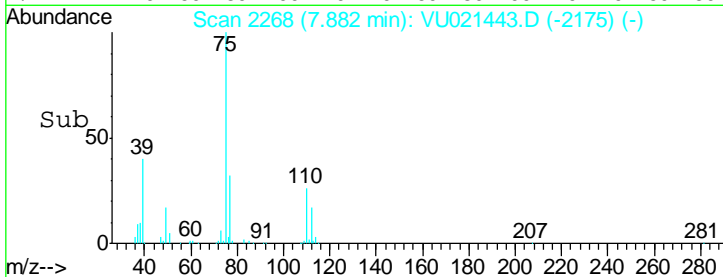
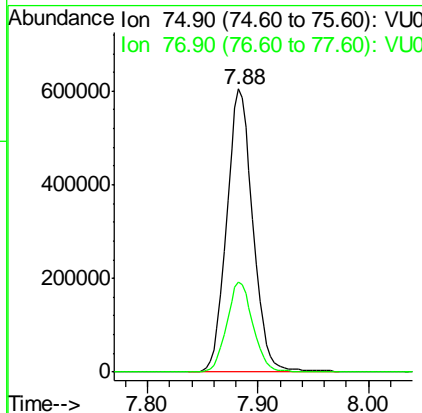
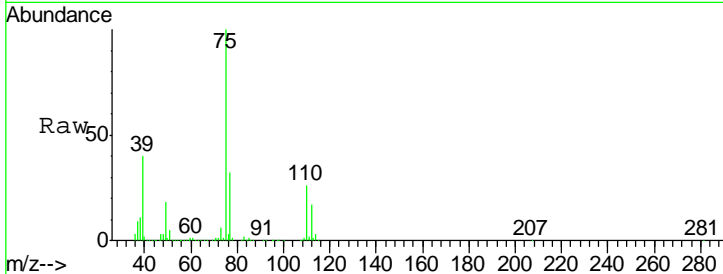
#53
 t-1,3-Dichloropropene
 Concen: 48.50 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	100		
77	32.0	24.9	37.3

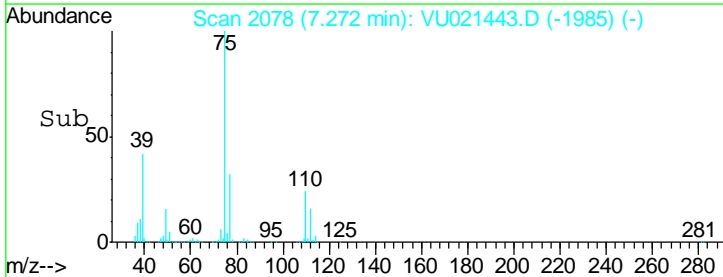
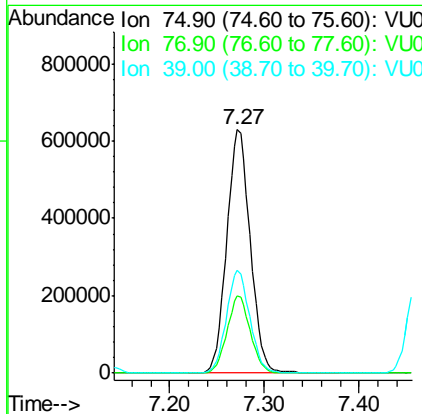
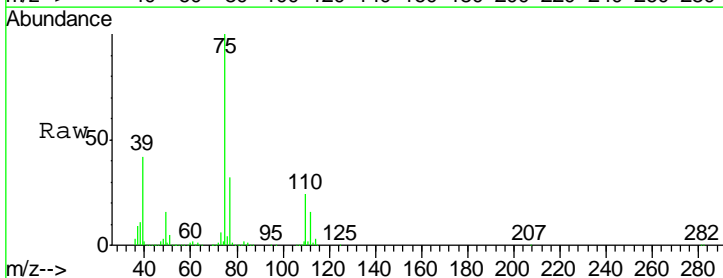
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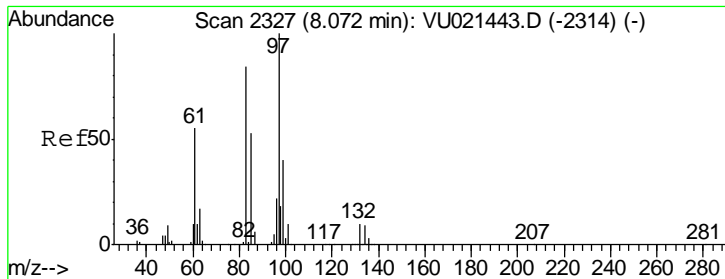
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#54
 cis-1,3-Dichloropropene
 Concen: 49.55 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

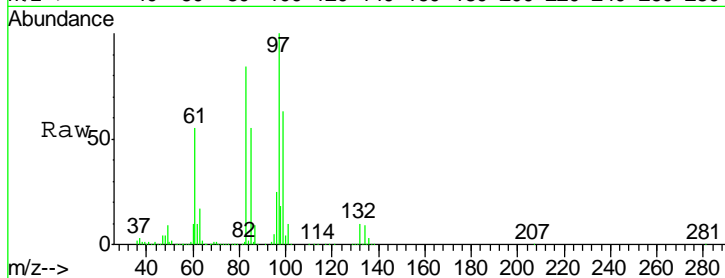
Tgt Ion	Resp	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	42.2	34.2	51.4





#55
 1,1,2-Trichloroethane
 Concen: 48.05 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

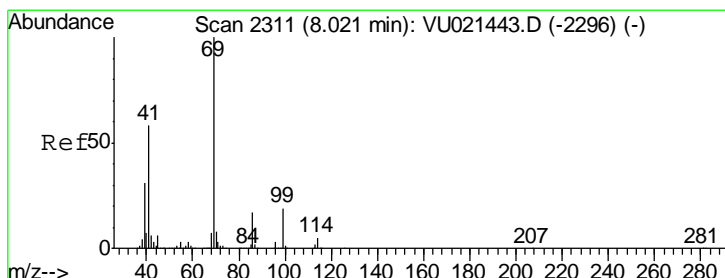
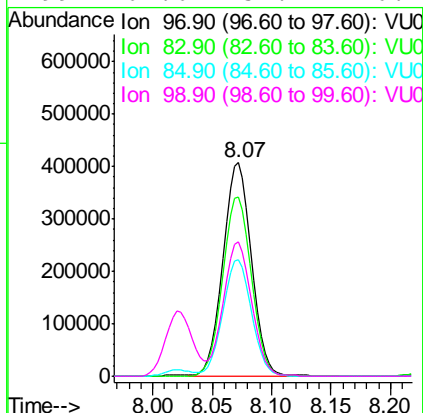
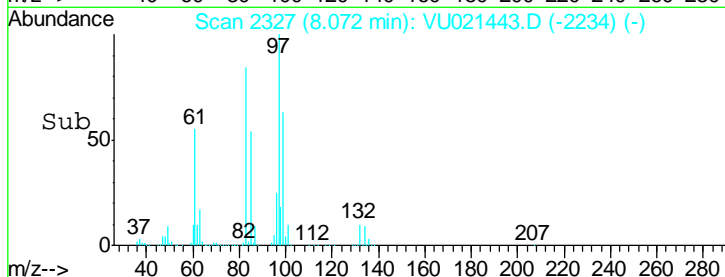


Tgt Ion: 97 Resp: 674324

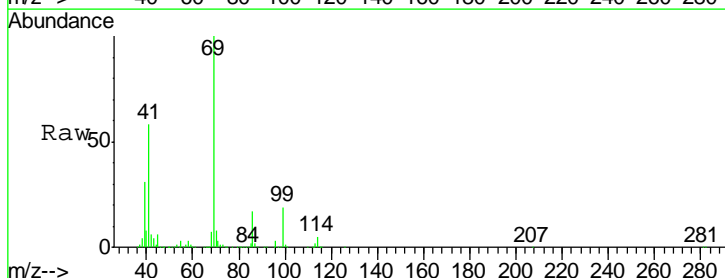
Ion	Ratio	Lower	Upper
97	100		
83	83.9	70.6	106.0
85	54.5	46.8	70.2
99	62.6	51.1	76.7

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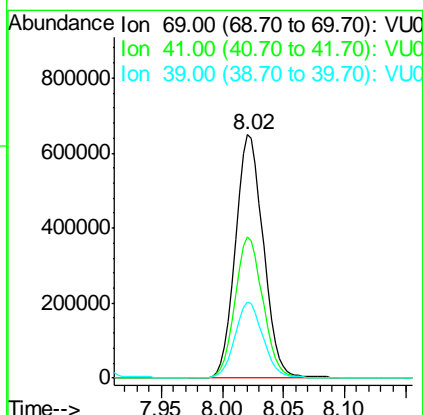
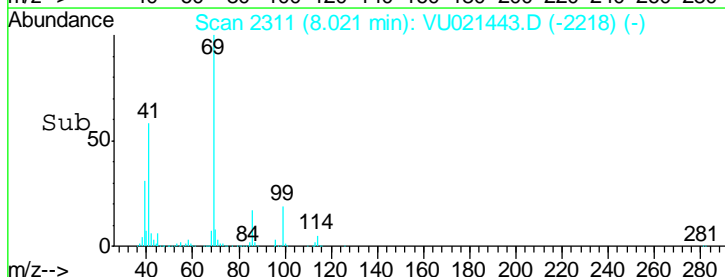


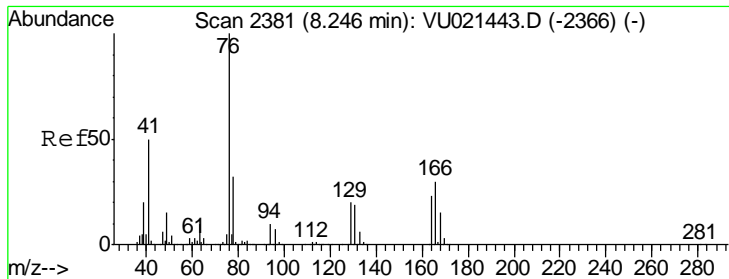
#56
 Ethyl methacrylate
 Concen: 52.88 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15



Tgt Ion: 69 Resp: 1030491

Ion	Ratio	Lower	Upper
69	100		
41	58.0	50.1	75.1
39	30.9	25.2	37.8





#57
 1,3-Dichloropropane
 Concen: 50.75 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

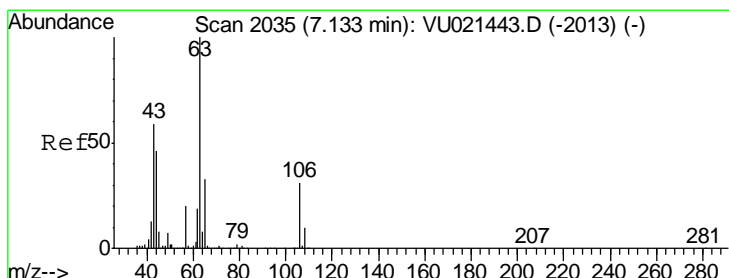
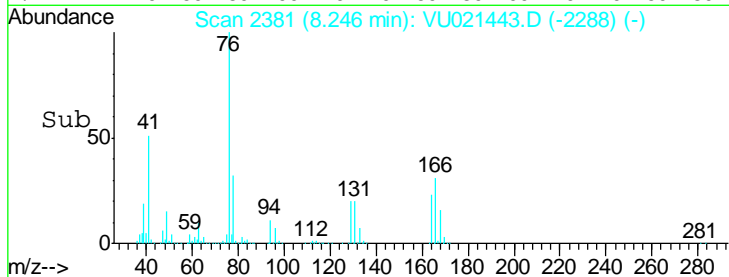
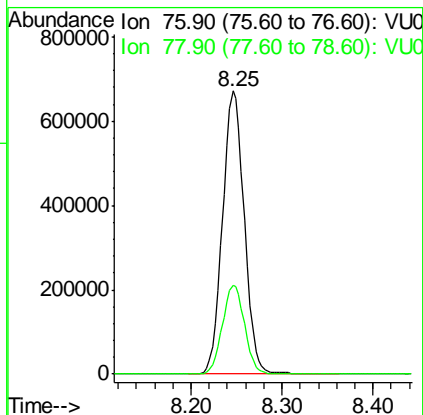
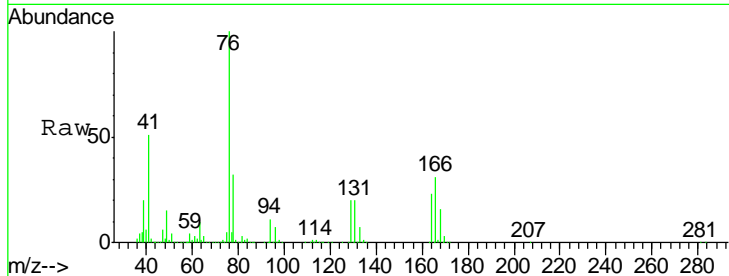
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion: 76 Resp: 1115000

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.7	38.5

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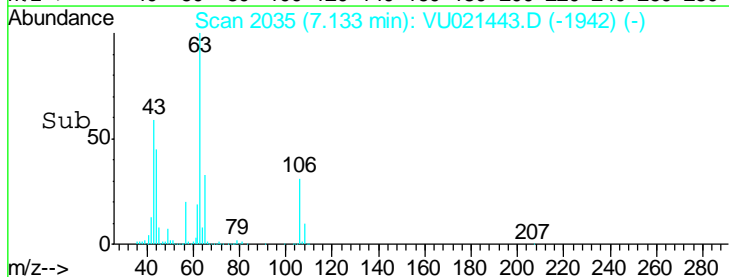
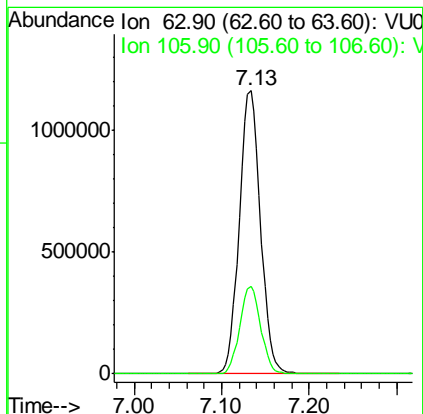
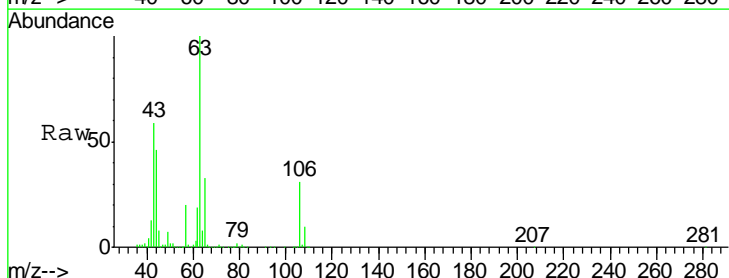
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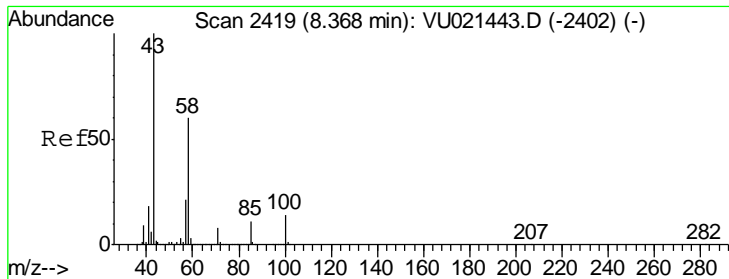


#58
 2-Chloroethyl Vinyl ether
 Concen: 302.65 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion: 63 Resp: 1953225

Ion	Ratio	Lower	Upper
63	100		
106	30.7	21.8	32.8





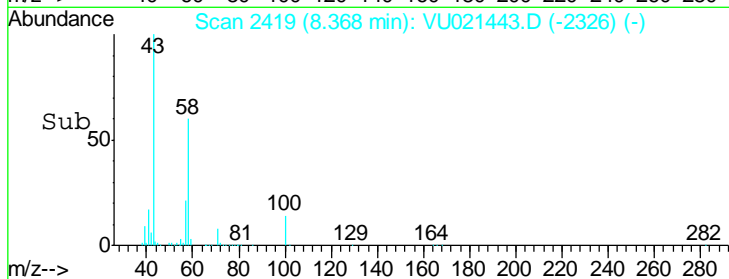
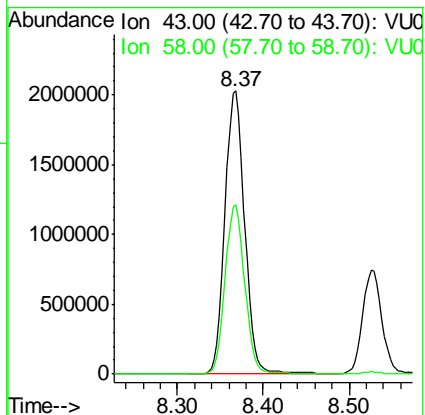
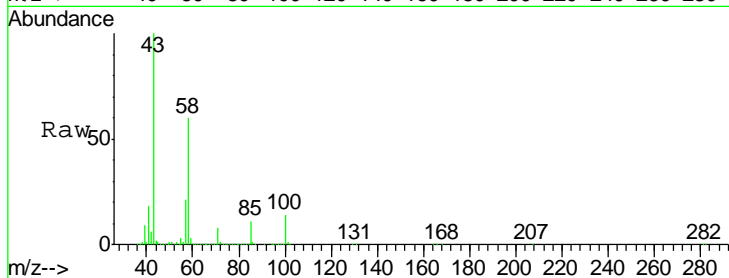
#59
 2-Hexanone
 Concen: 266.42 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	59.6	27.9	83.7

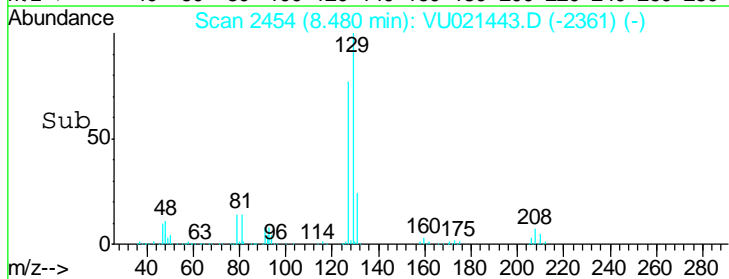
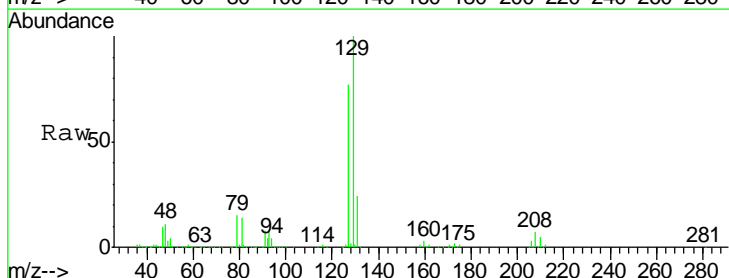
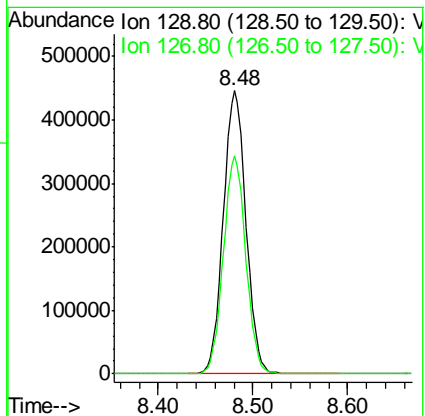
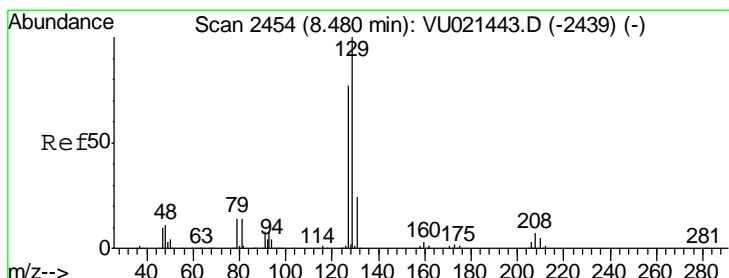
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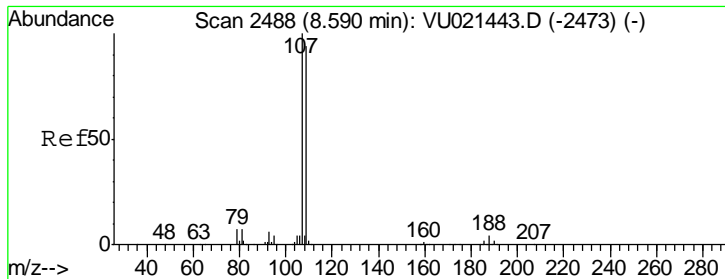
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#60
 Dibromochloromethane
 Concen: 45.20 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

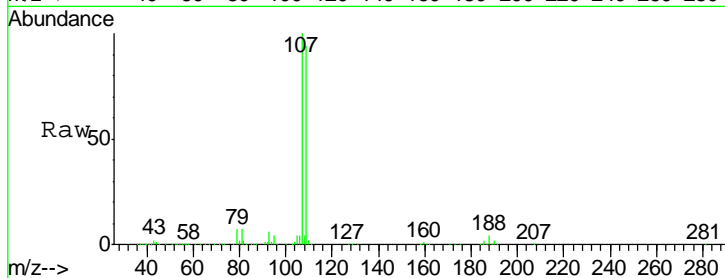
Tgt Ion	Resp	Lower	Upper
129	100		
127	76.4	38.2	114.6





#61
 1,2-Dibromoethane
 Concen: 49.19 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

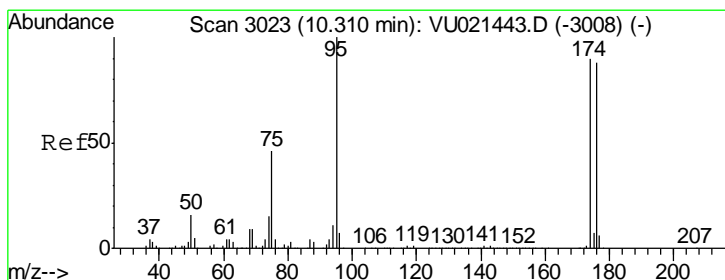
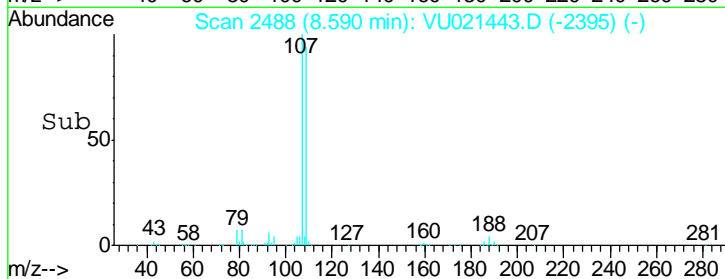
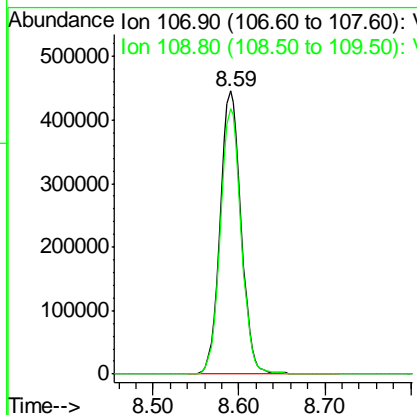


Tgt Ion: 107 Resp: 754250

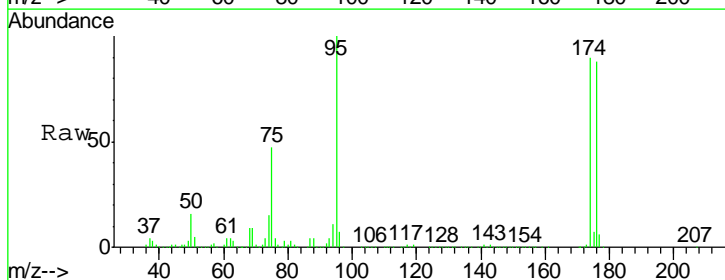
Ion	Ratio	Lower	Upper
107	100		
109	93.4	76.0	114.0

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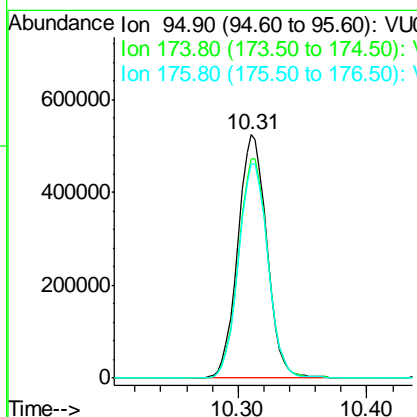
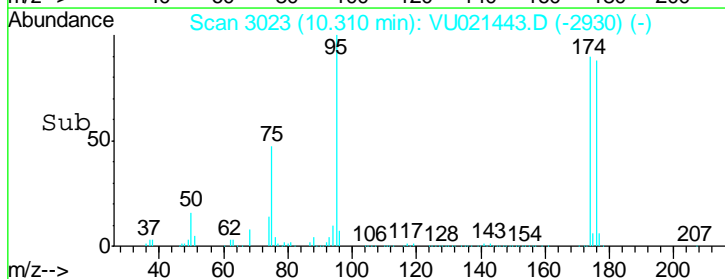


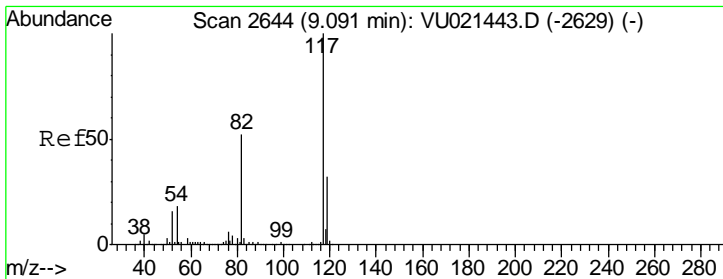
#62
 4-Bromofluorobenzene
 Concen: 44.55 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15



Tgt Ion: 95 Resp: 820713

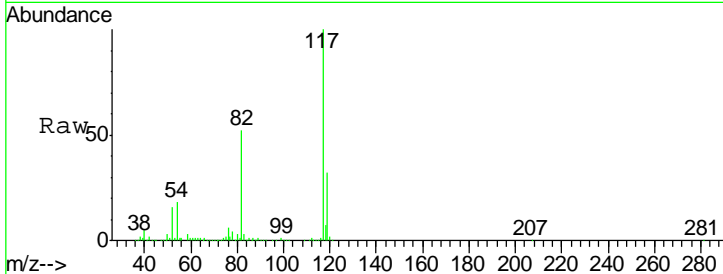
Ion	Ratio	Lower	Upper
95	100		
174	91.3	0.0	185.4
176	89.4	0.0	178.4





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

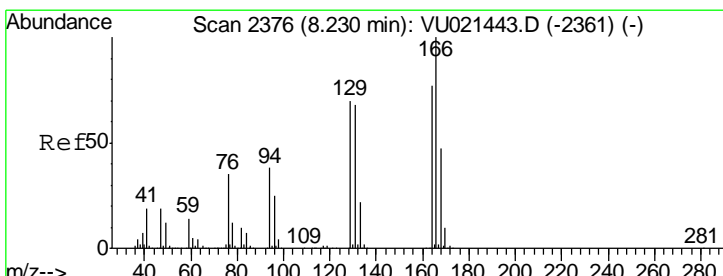
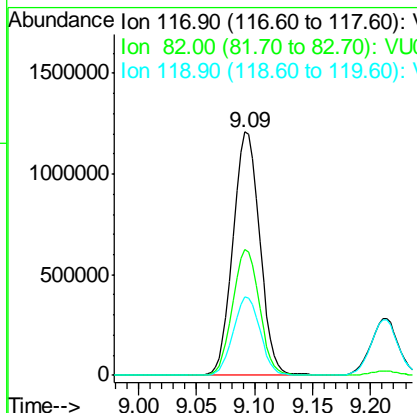
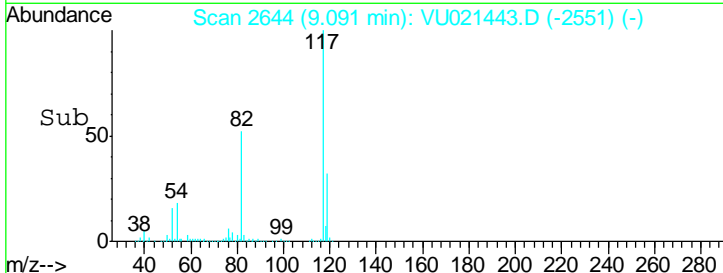


Tgt Ion: 117 Resp: 1933075

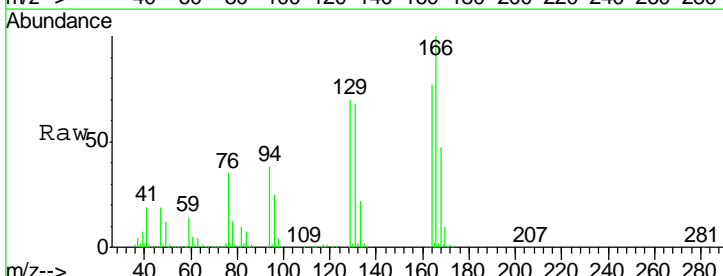
Ion	Ratio	Lower	Upper
117	100		
82	51.7	43.0	64.4
119	32.1	25.6	38.4

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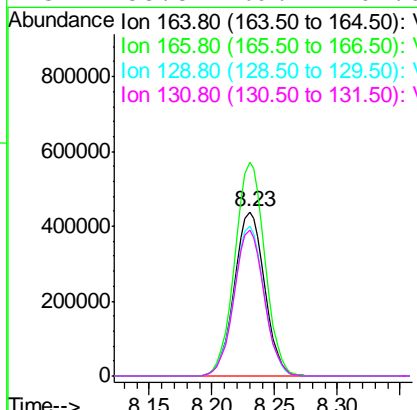
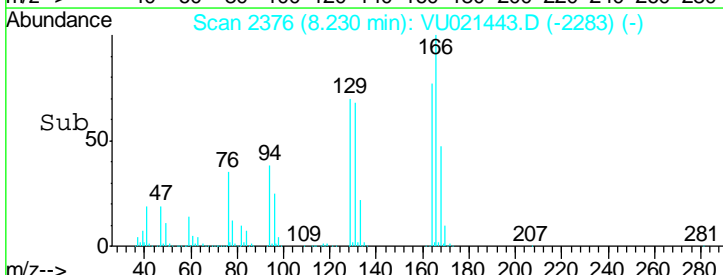


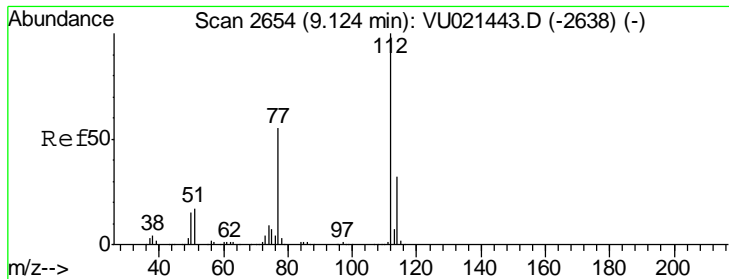
#64
 Tetrachloroethene
 Concen: 44.69 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15



Tgt Ion: 164 Resp: 734097

Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.3	153.5
129	91.5	71.4	107.2
131	88.8	69.4	104.0





#65
 Chlorobenzene
 Concen: 48.56 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

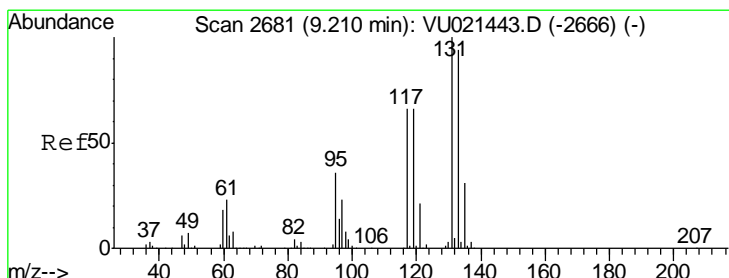
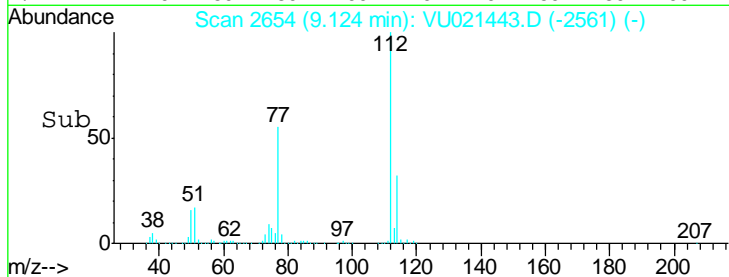
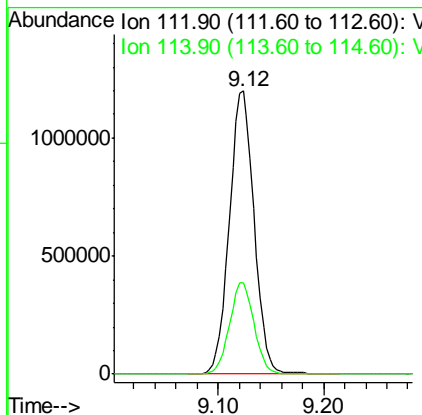
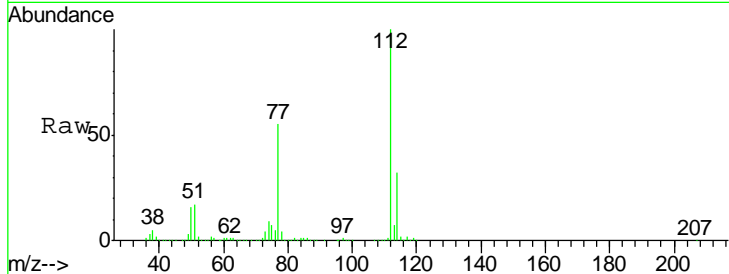
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion: 112 Resp: 1944732

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4

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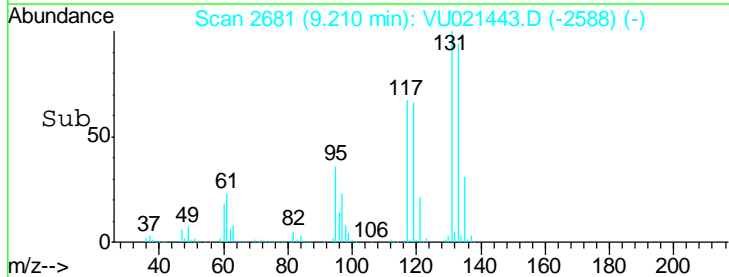
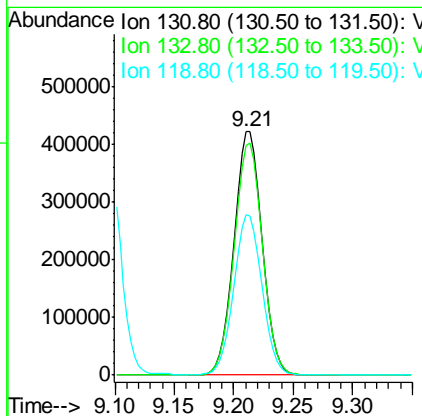
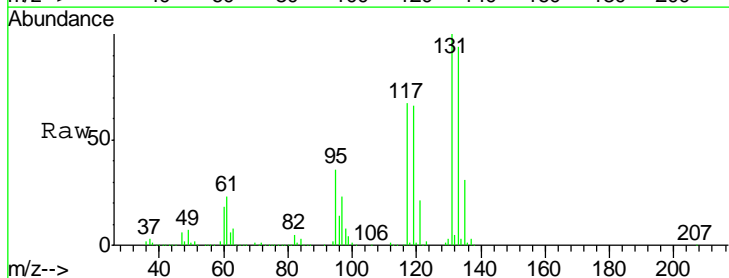
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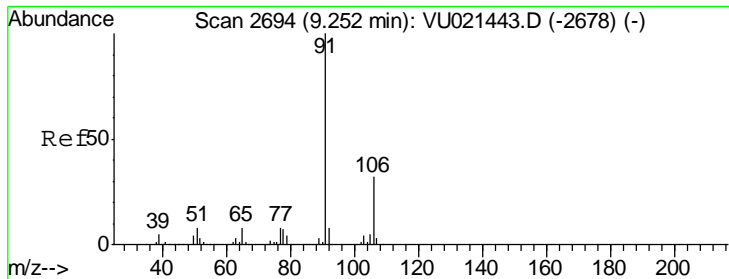


#66
 1,1,1,2-Tetrachloroethane
 Concen: 46.30 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion: 131 Resp: 690856

Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.2	141.6
119	65.9	32.1	96.5





#67
 Ethyl Benzene
 Concen: 48.97 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

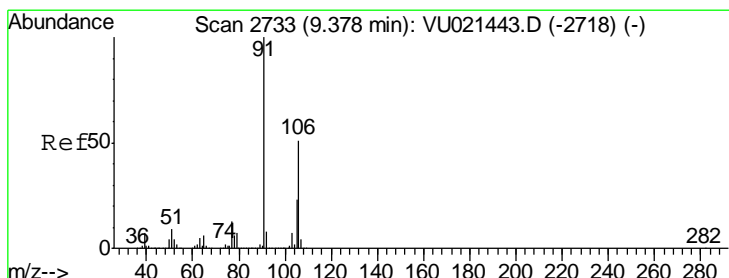
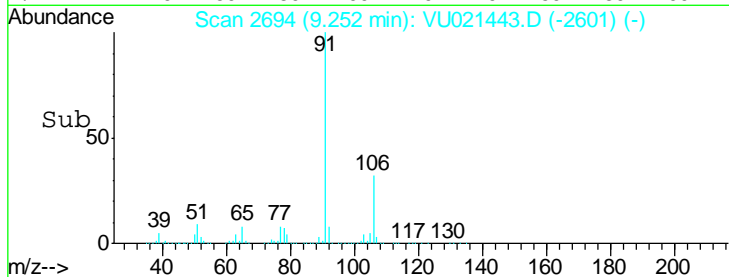
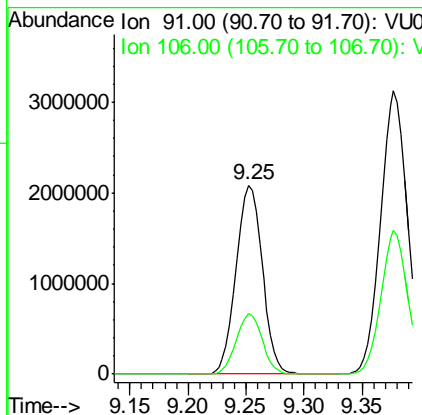
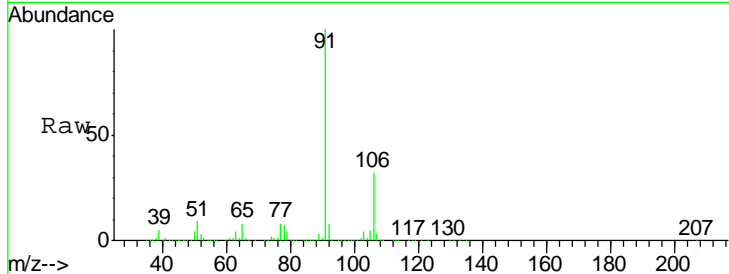
Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion: 91 Resp: 3280263

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.0	37.4

Manual Integrations
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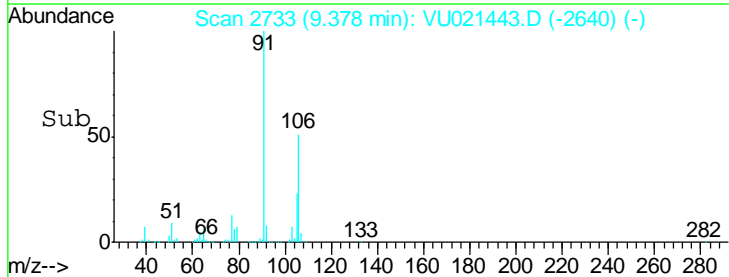
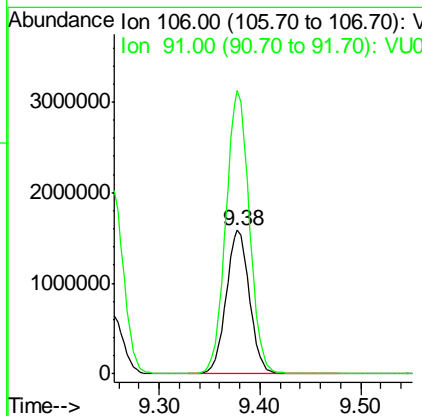
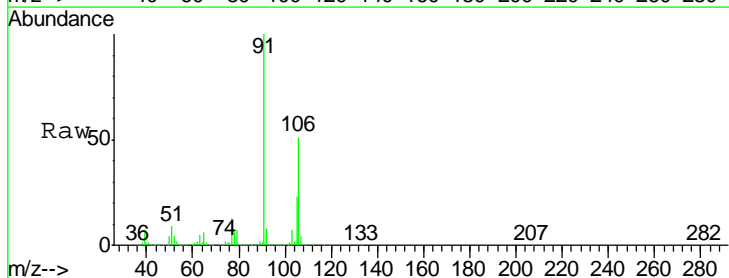
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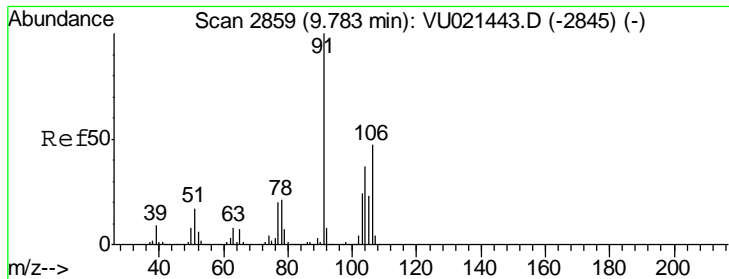


#68
 m/p-Xylenes
 Concen: 96.68 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion: 106 Resp: 2556306

Ion	Ratio	Lower	Upper
106	100		
91	199.2	160.2	240.4





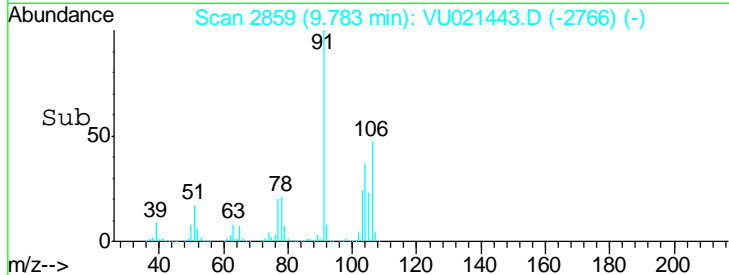
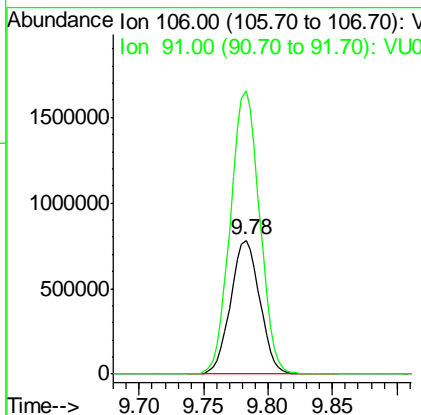
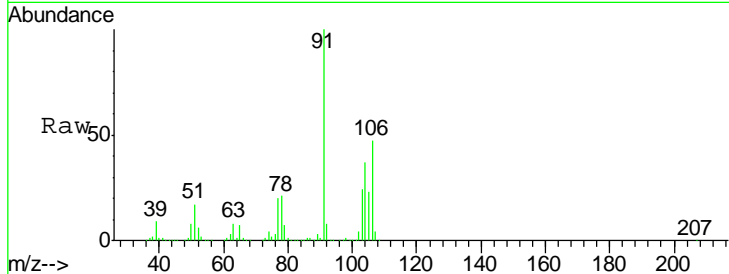
#69
 o-Xylene
 Concen: 47.42 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
106	1231966		
106	100		
91	212.4	106.7	320.1

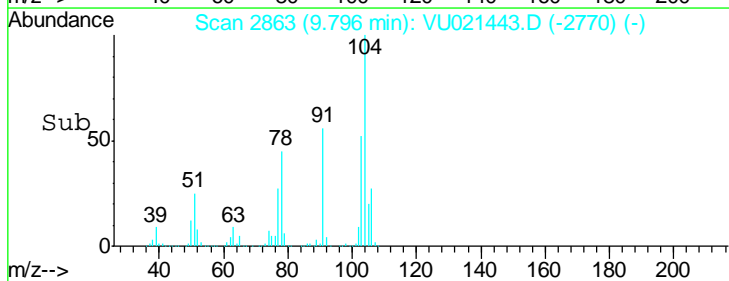
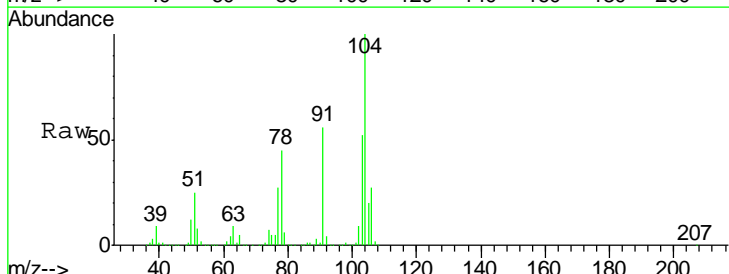
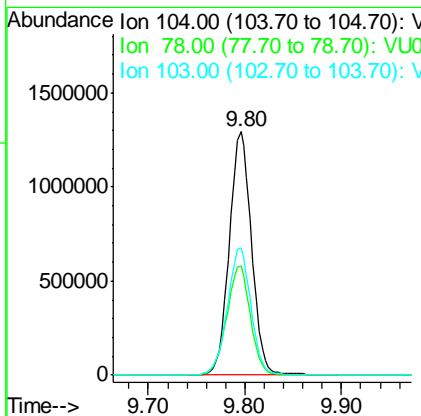
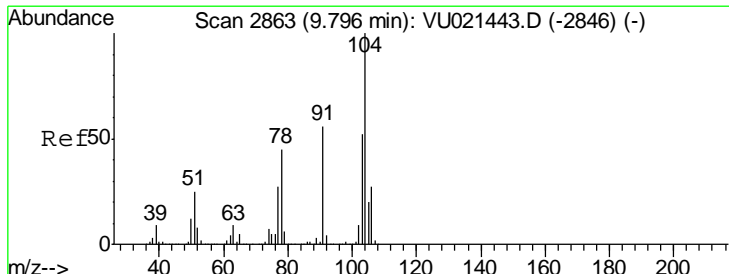
Manual Integrations
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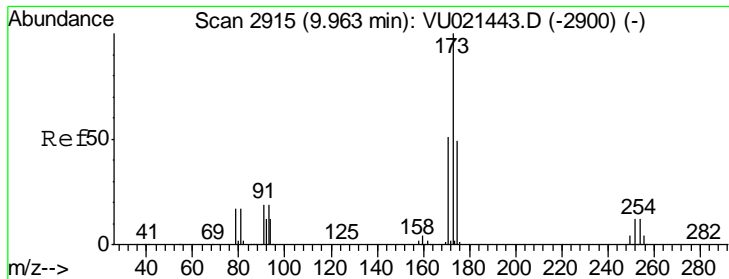
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#70
 Styrene
 Concen: 48.70 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

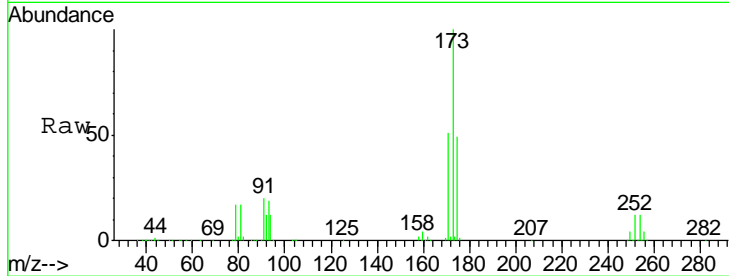
Tgt Ion	Resp	Lower	Upper
104	2066474		
104	100		
78	47.7	38.4	57.6
103	55.7	44.0	66.0





#71
 Bromoform
 Concen: 43.43 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

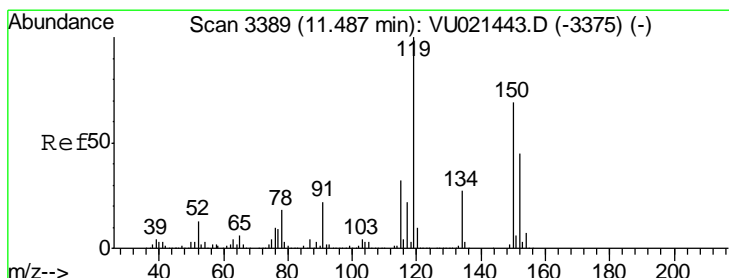
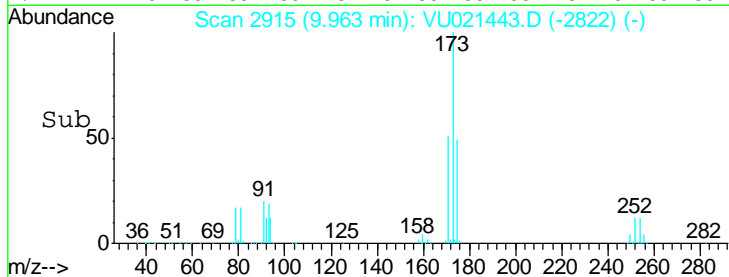
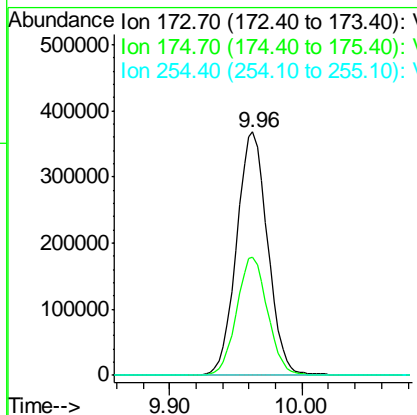
Instrument : MSVOA_U
 Client Sampled : VSTDICCC050



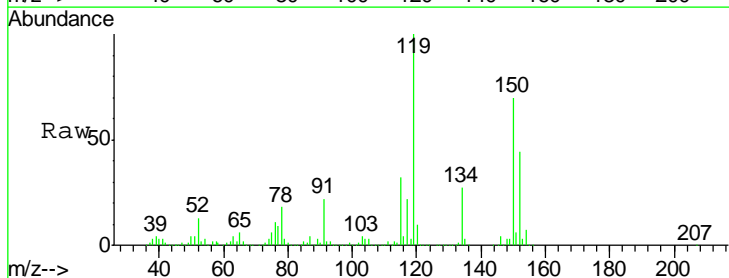
Tgt Ion	Resp	Lower	Upper
173	100		
175	48.5	24.6	73.6
254	0.1	0.1	0.1#

Manual Integrations
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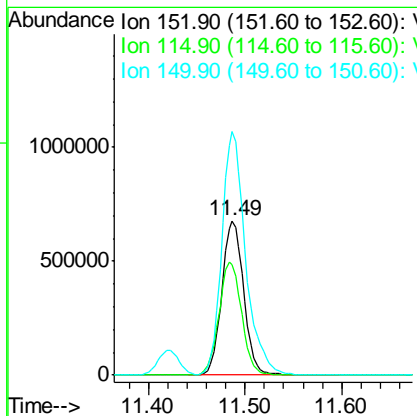
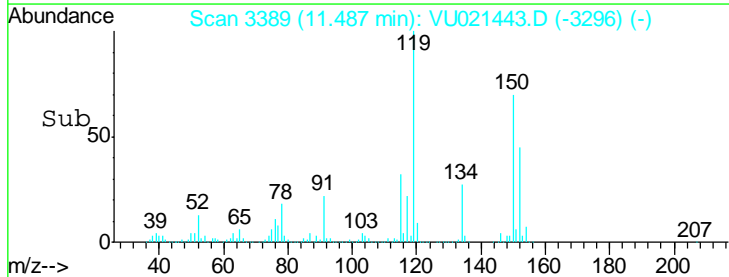
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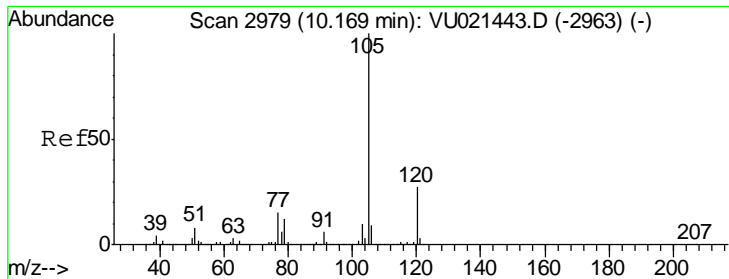


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15



Tgt Ion	Resp	Lower	Upper
152	100		
115	76.1	38.2	114.6
150	171.6	0.0	346.2





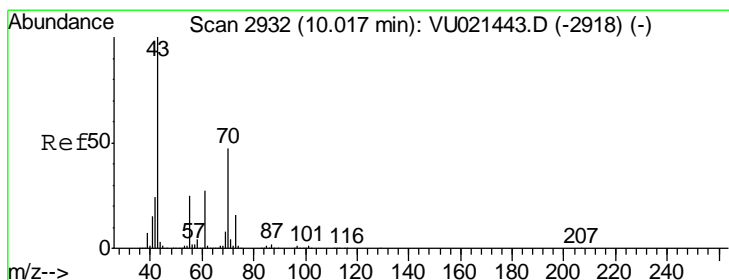
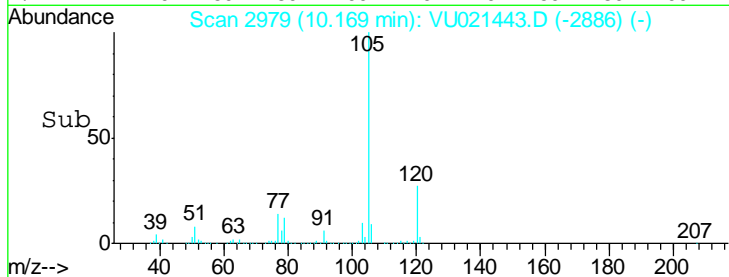
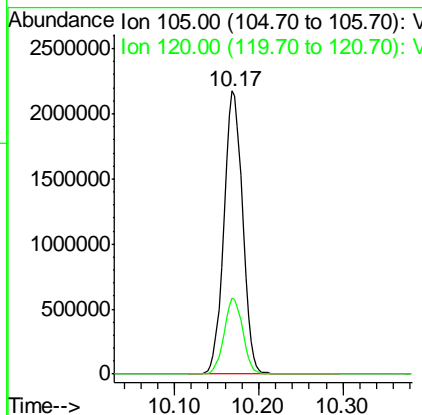
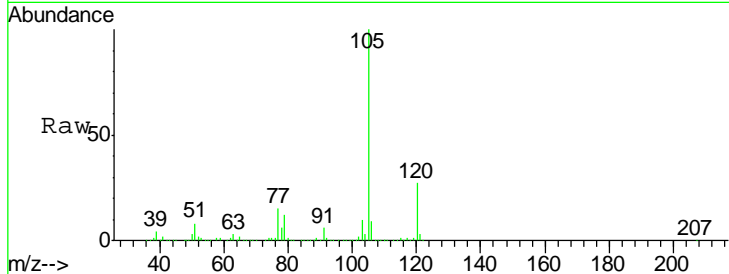
#73
 Isopropylbenzene
 Concen: 49.24 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	100		
120	27.0	13.3	39.9

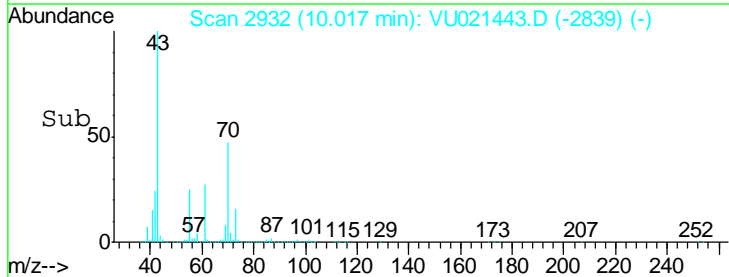
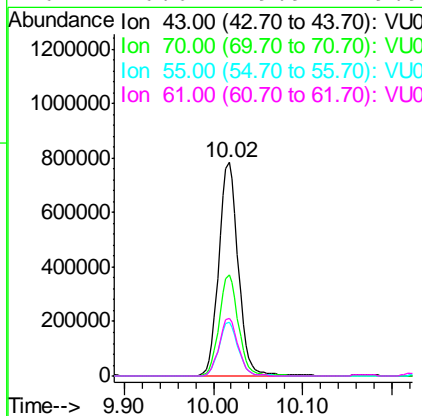
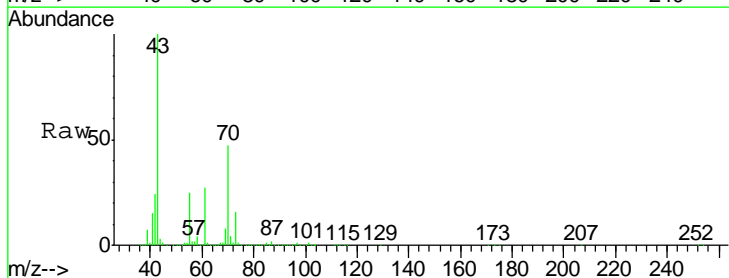
Manual Integrations
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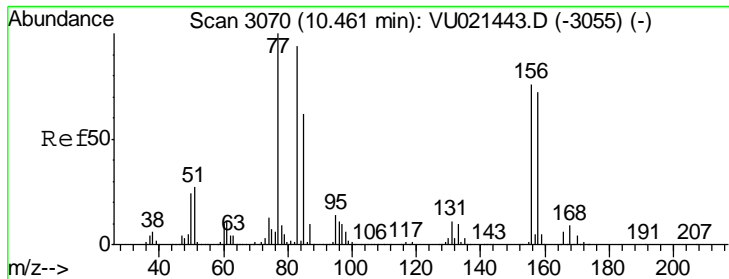
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#74
 N-aryl acetate
 Concen: 58.01 ug/l
 RT: 10.02 min Scan# 2932
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
43	100		
70	46.8	35.6	53.4
55	25.1	21.8	32.6
61	26.6	19.9	29.9





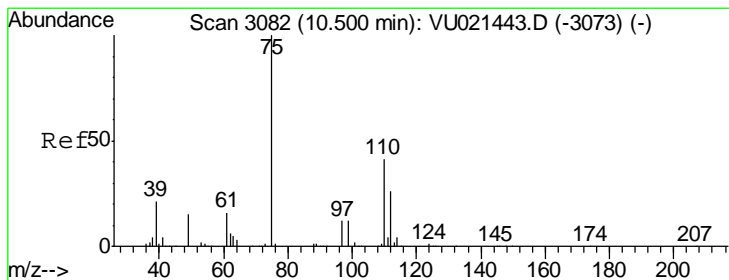
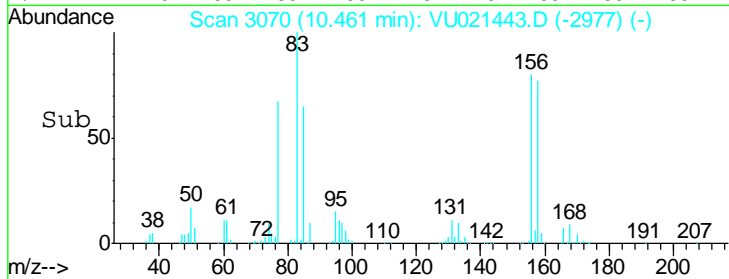
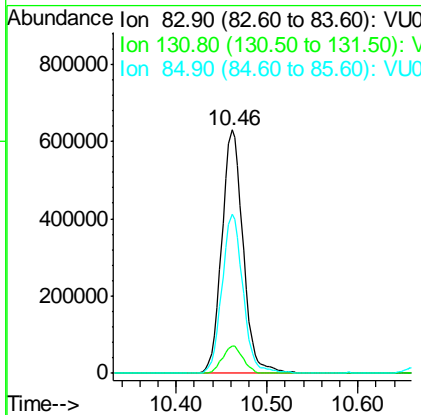
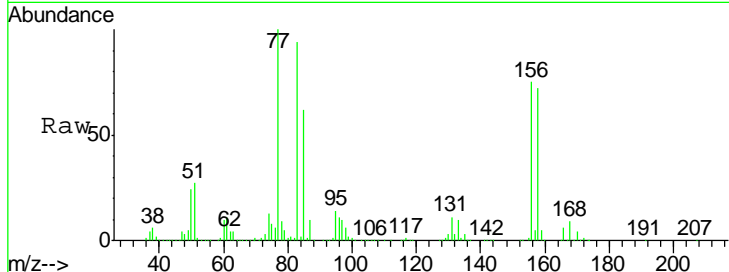
#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.68 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion: 83 Resp: 1025060

Ion	Ratio	Lower	Upper
83	100		
131	11.0	4.9	14.7
85	64.6	32.2	96.6

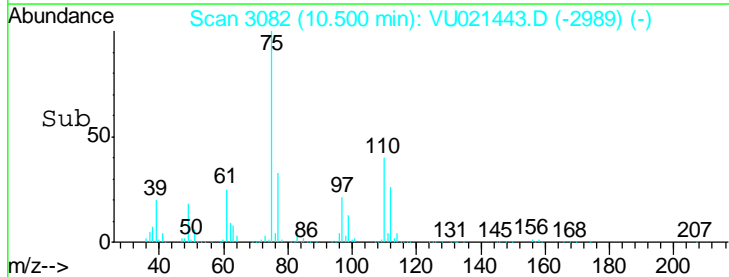
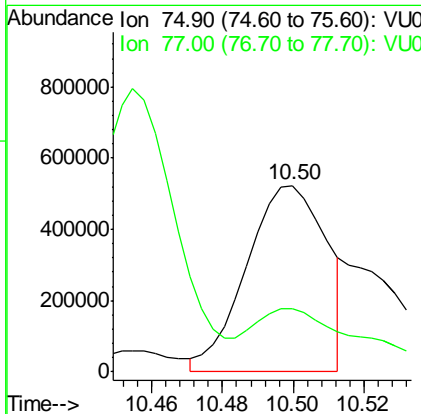
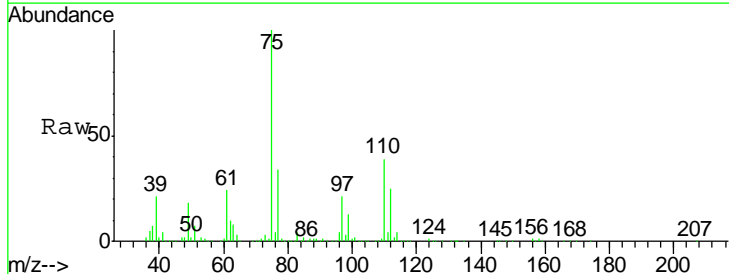
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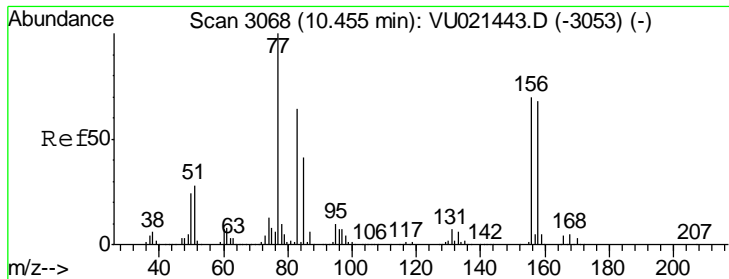


#76
 1,2,3-Trichloropropane
 Concen: 50.05 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion: 75 Resp: 823601

Ion	Ratio	Lower	Upper
75	100		
77	45.9	21.3	63.7





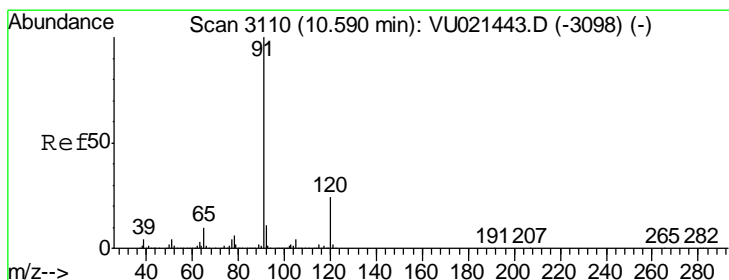
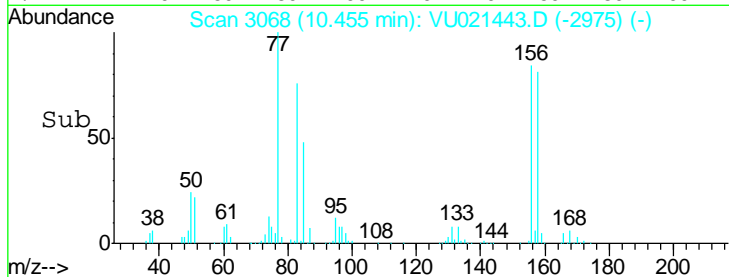
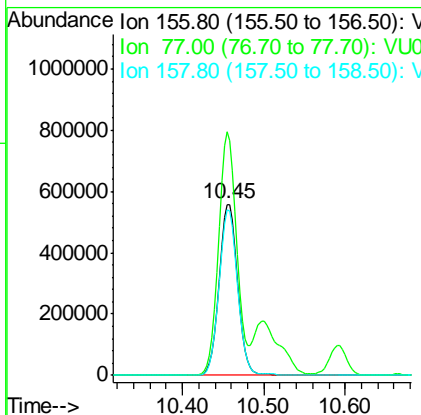
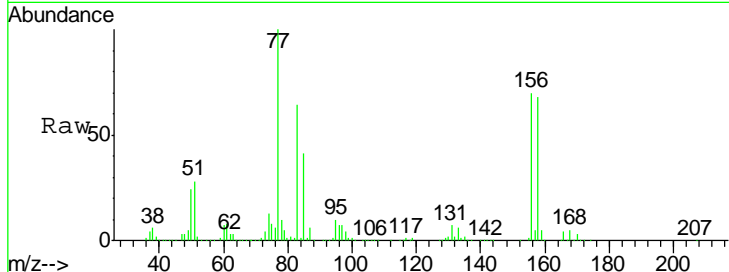
#77
 Bromobenzene
 Concen: 47.48 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
156	902414		
77	138.5	71.4	214.1
158	97.0	48.5	145.6

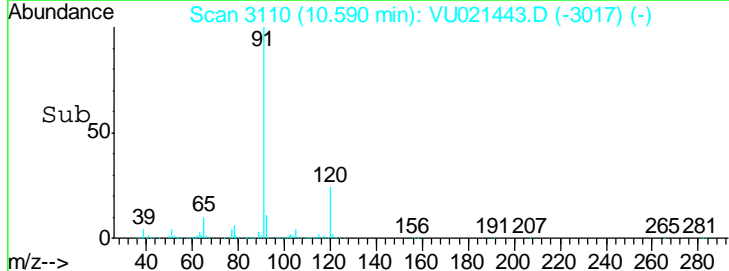
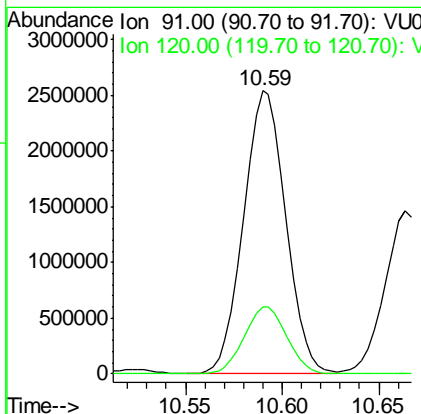
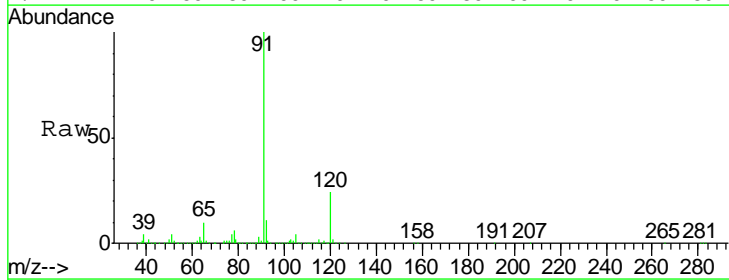
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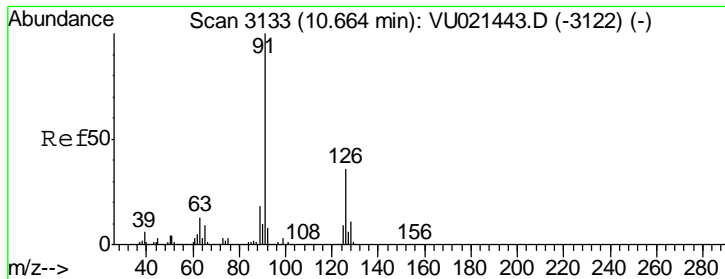
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#78
 n-propylbenzene
 Concen: 51.69 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
91	3846620		
120	24.1	11.8	35.4





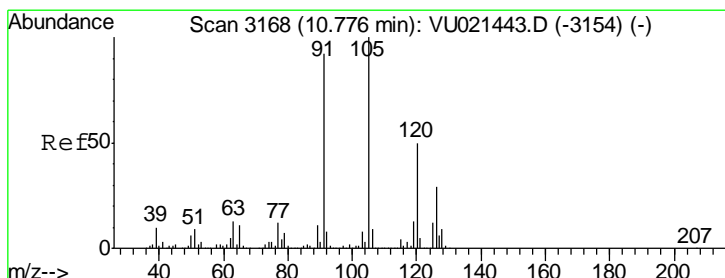
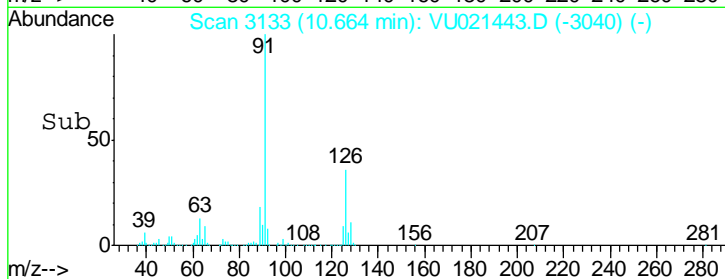
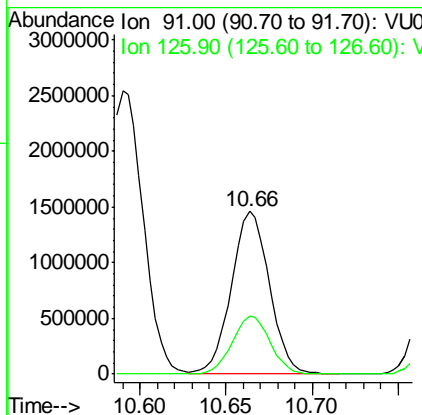
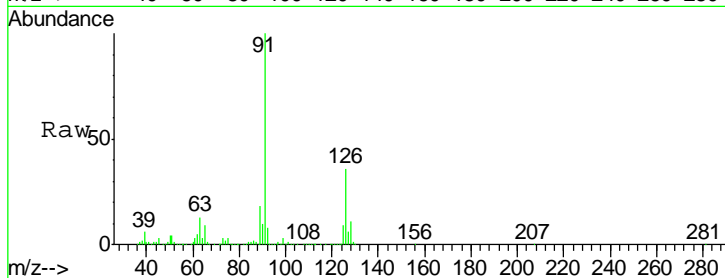
#79
 2-Chlorotoluene
 Concen: 50.09 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
126	36.0	17.6	52.9

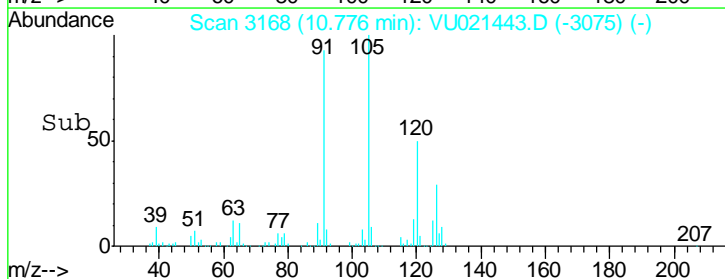
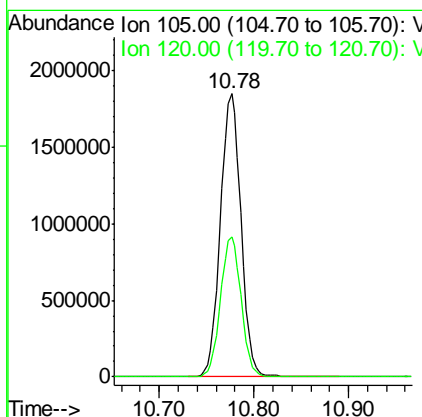
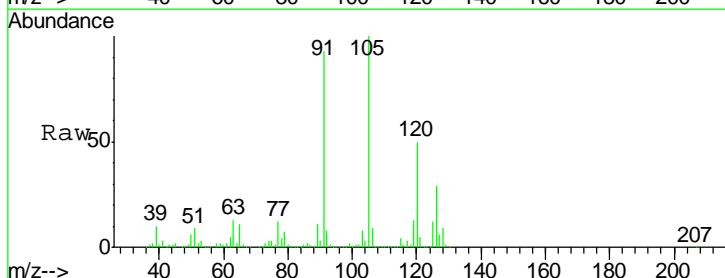
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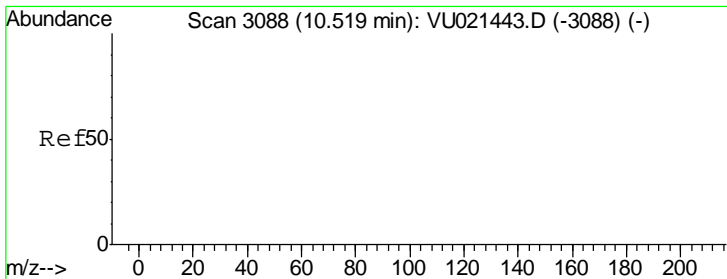
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.26 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.7	24.6	74.0





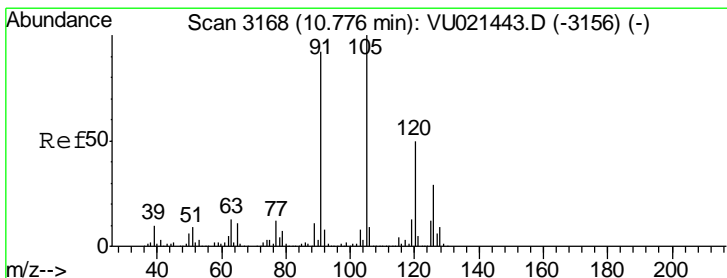
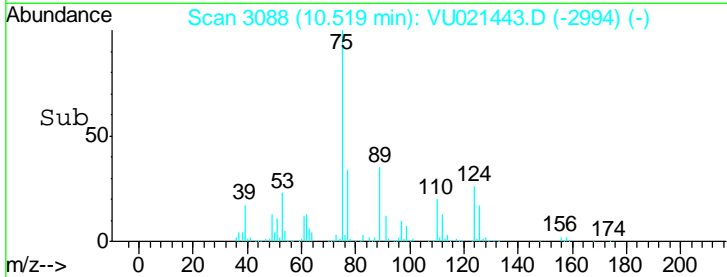
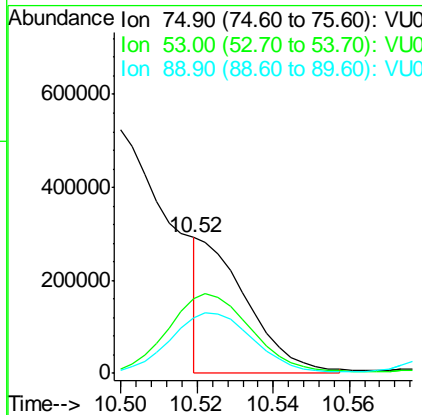
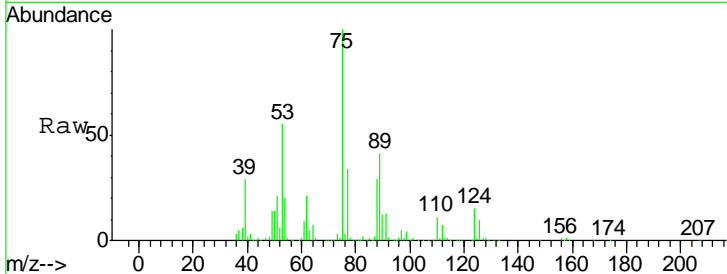
#81
 trans-1,4-Dichloro-2-butene
 Concen: 42.51 ug/l m
 RT: 10.52 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

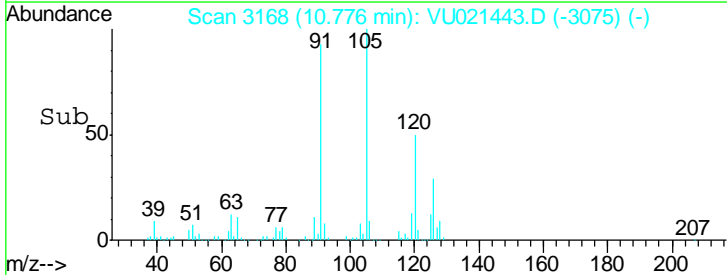
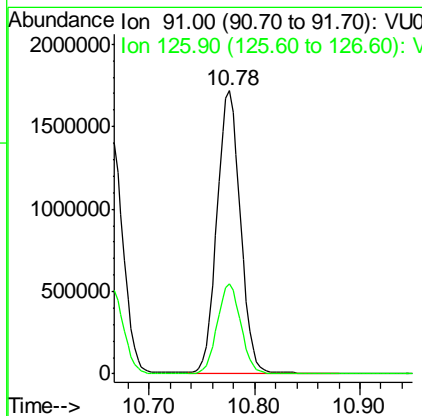
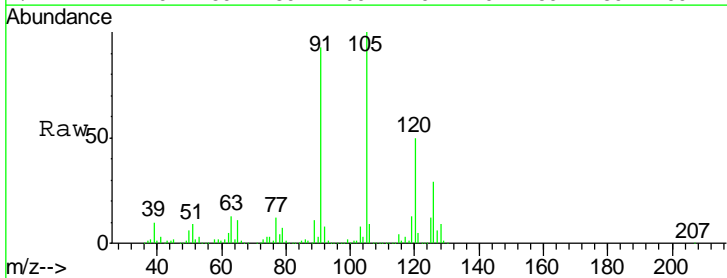
Manual Integrations
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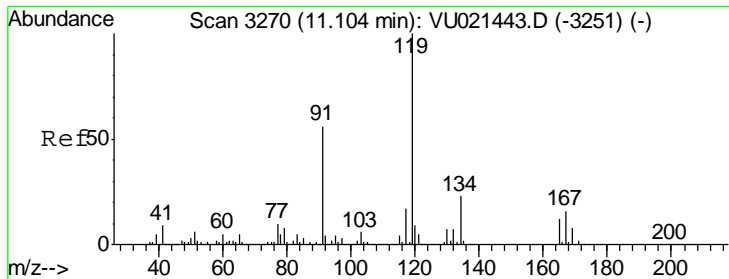
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#82
 4-Chlorotoluene
 Concen: 51.32 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.2	45.6





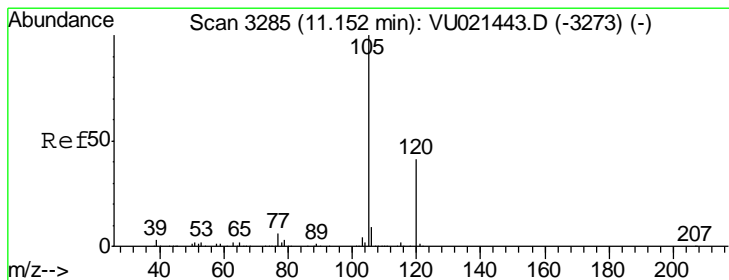
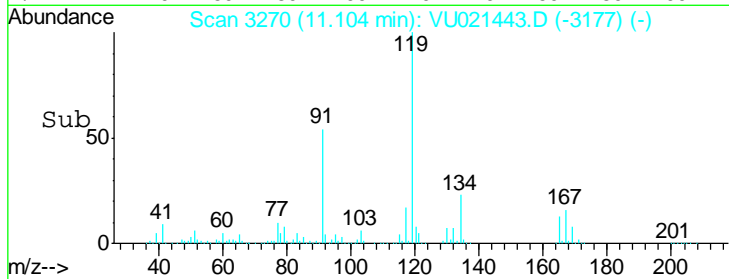
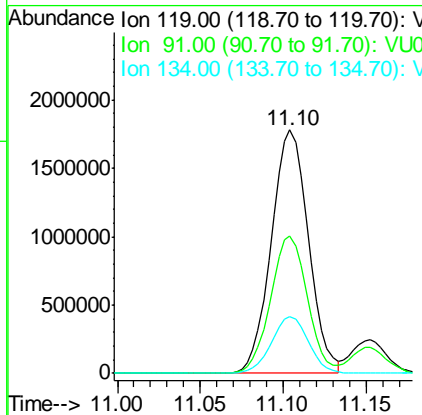
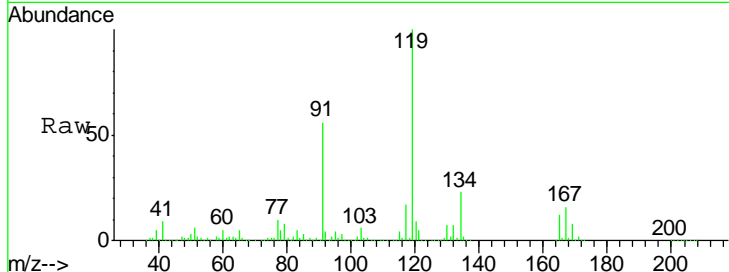
#83
 tert-Butylbenzene
 Concen: 48.66 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion: 119 Resp: 2777705

Ion	Ratio	Lower	Upper
119	100		
91	56.0	28.7	86.3
134	23.4	11.8	35.3

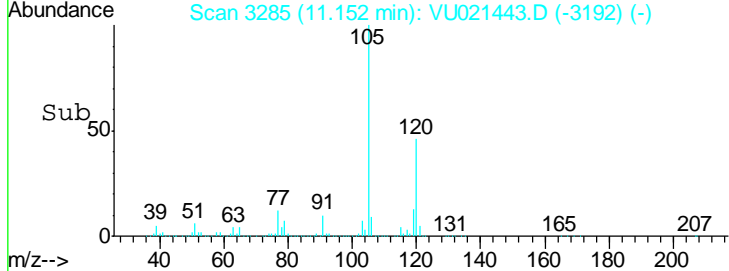
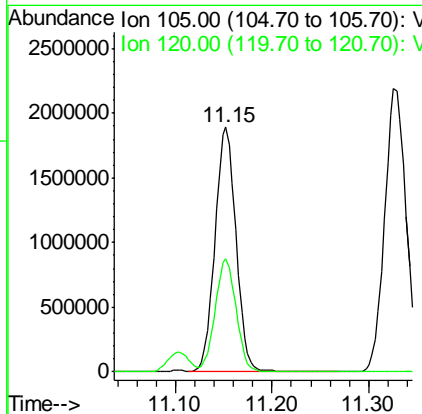
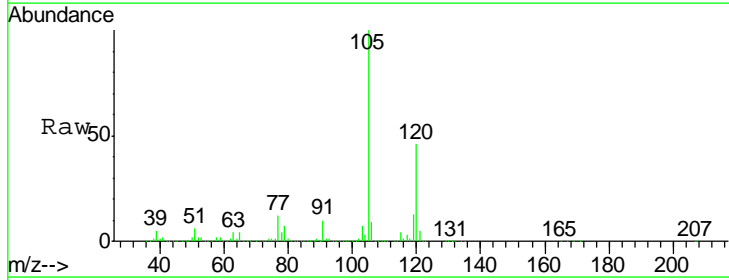
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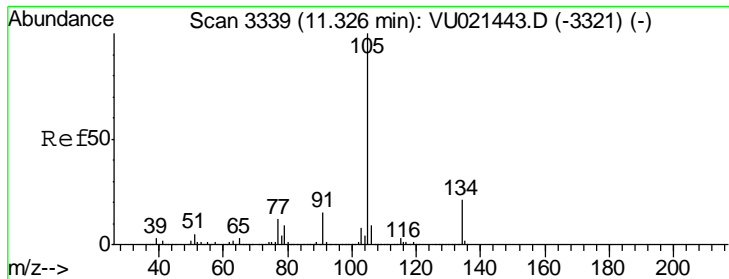


#84
 1,2,4-Trimethylbenzene
 Concen: 50.33 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion: 105 Resp: 2860976

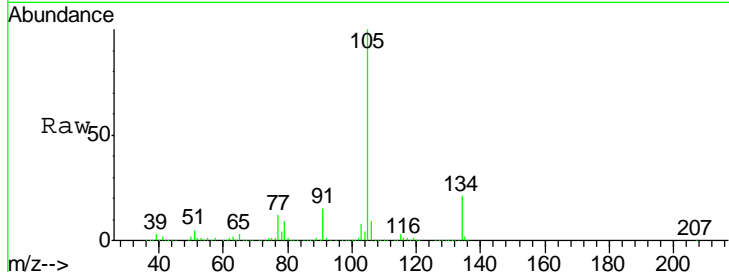
Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.5





#85
 sec-Butylbenzene
 Concen: 49.68 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

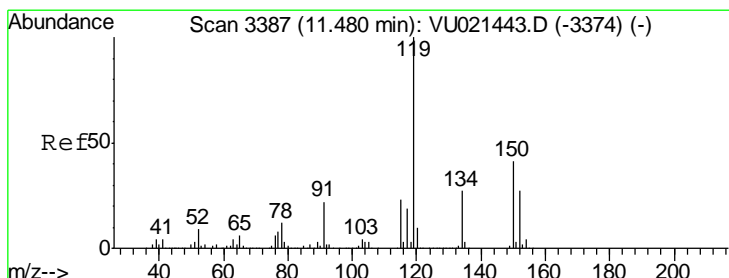
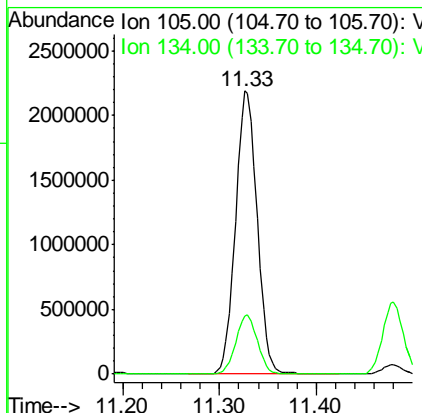
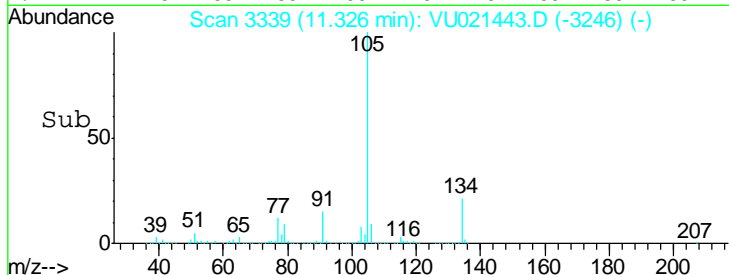
Instrument : MSVOA_U
 Client Sampled : VSTDICCC050



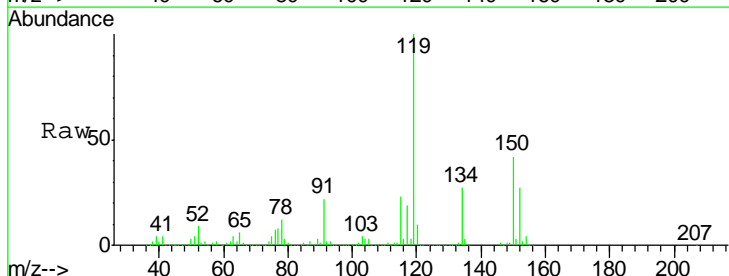
Tgt Ion: 105 Resp: 3393382
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.1 30.3

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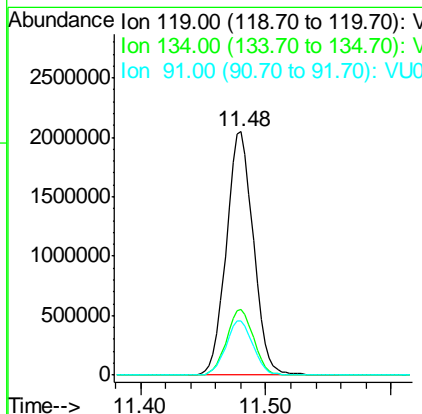
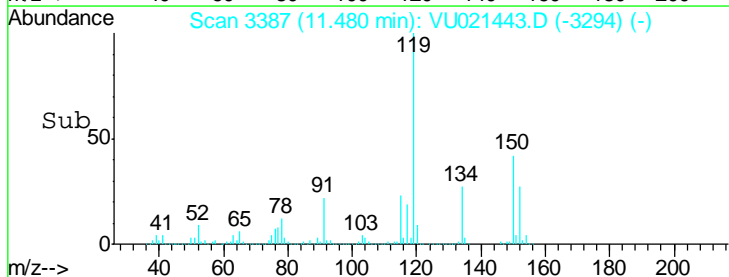
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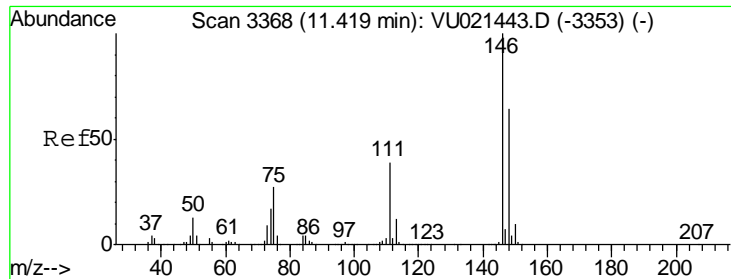


#86
 p-Isopropyltoluene
 Concen: 49.18 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15



Tgt Ion: 119 Resp: 3072469
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.6 40.8
 91 22.4 11.5 34.5





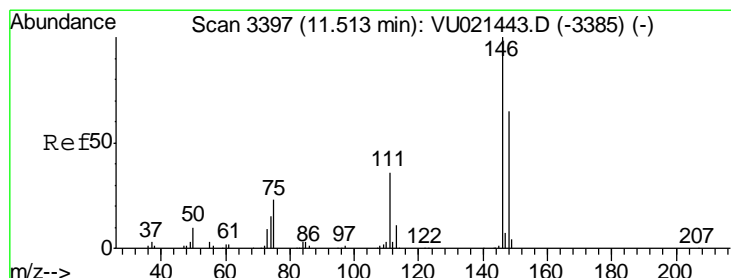
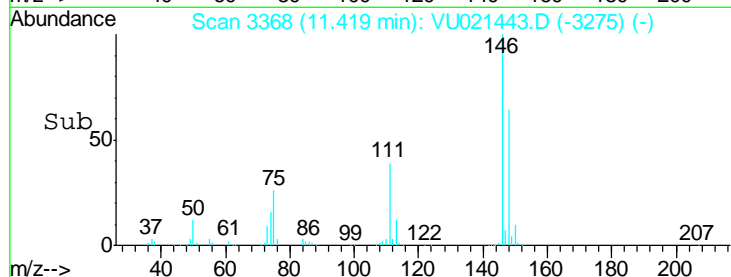
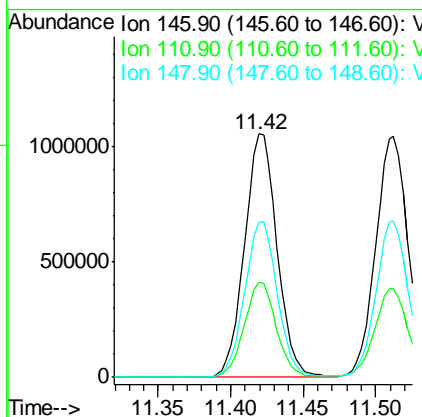
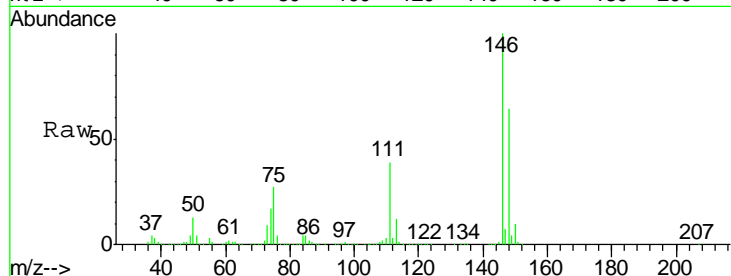
#87
 1,3-Dichlorobenzene
 Concen: 47.48 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.3	18.8	56.3
148	64.0	32.0	96.2

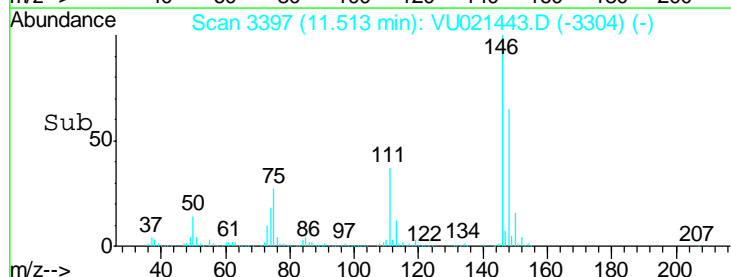
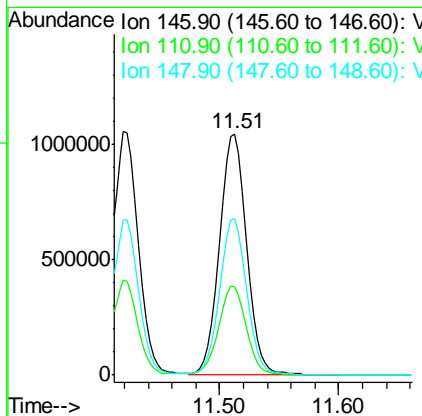
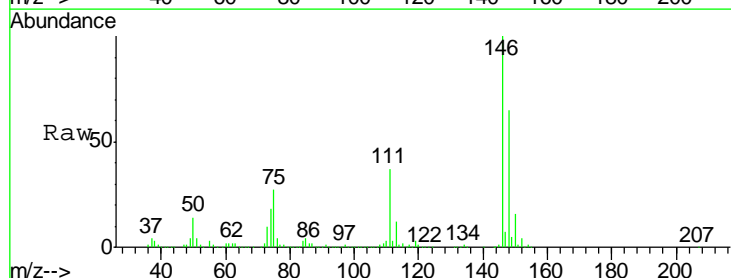
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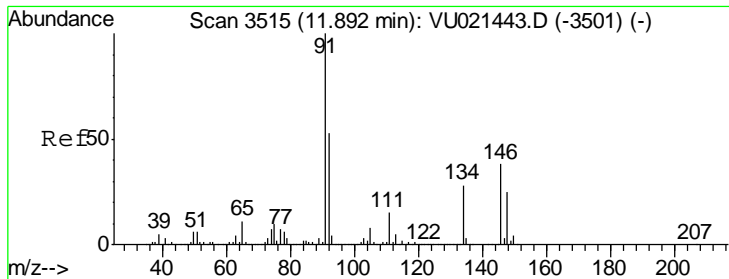
1/4/2018 11:19:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.28 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
146	100		
111	37.5	18.4	55.2
148	64.8	31.9	95.9



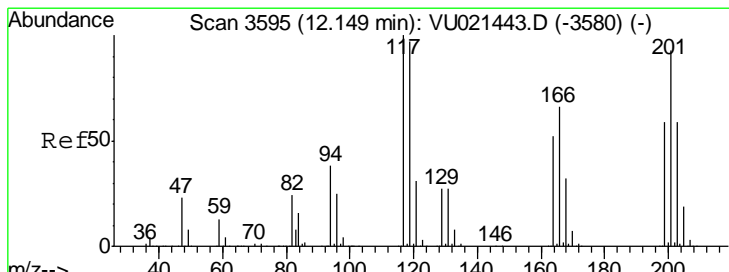
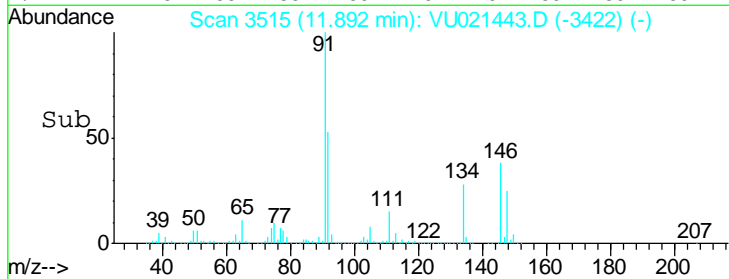
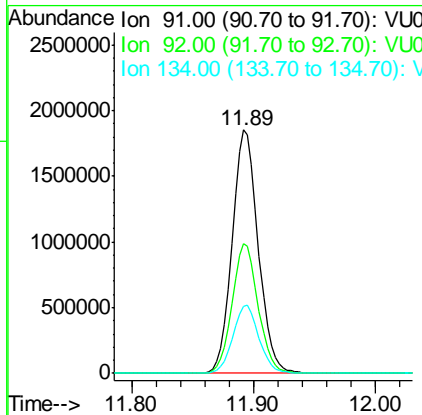
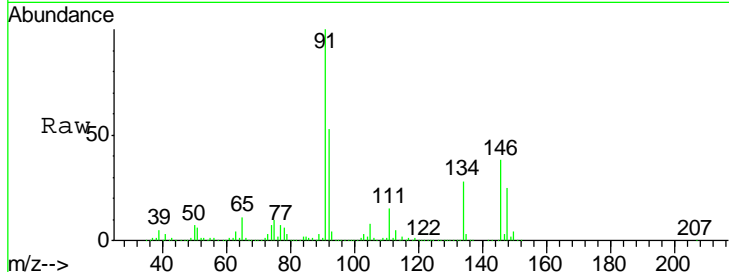


#89
 n-Butylbenzene
 Concen: 53.53 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

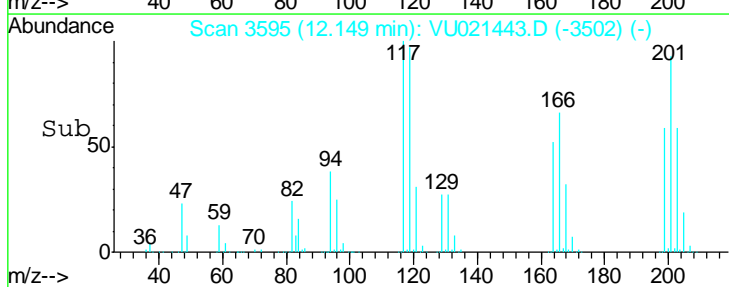
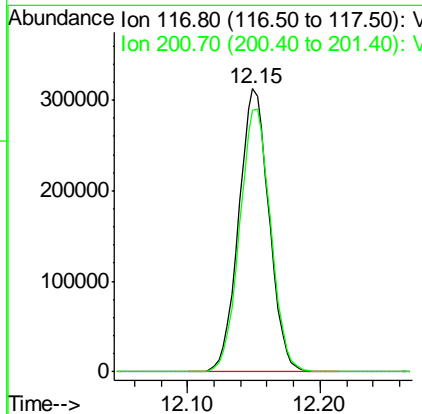
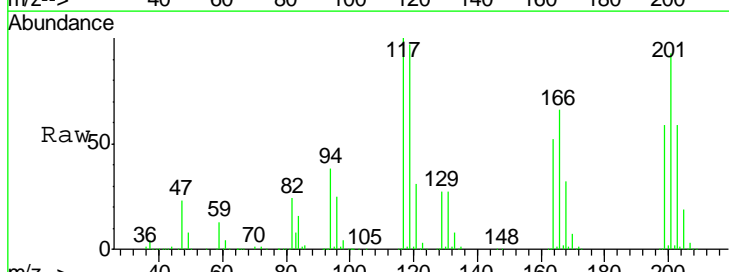
Tgt Ion	Resp	Lower	Upper
91	100		
92	53.0	26.2	78.5
134	28.0	13.0	38.9

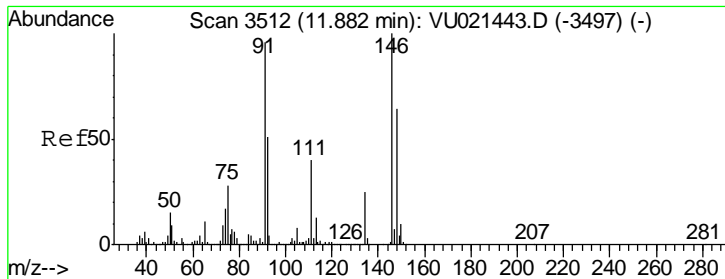
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#90
 Hexachloroethane
 Concen: 45.00 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

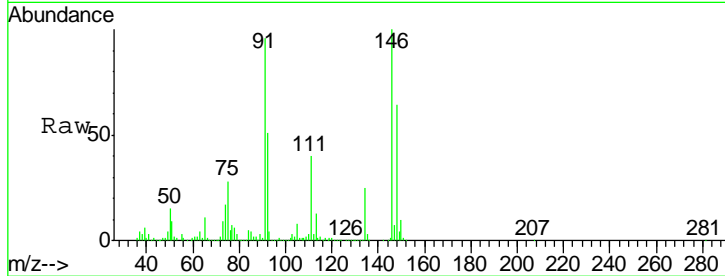
Tgt Ion	Resp	Lower	Upper
117	100		
201	94.9	44.5	133.7





#91
 1,2-Dichlorobenzene
 Concen: 46.96 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

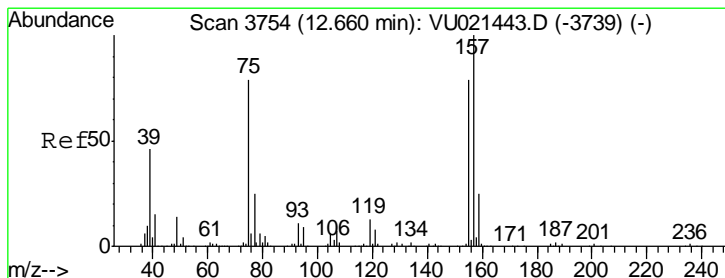
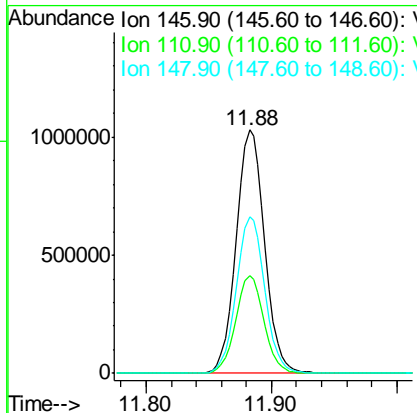
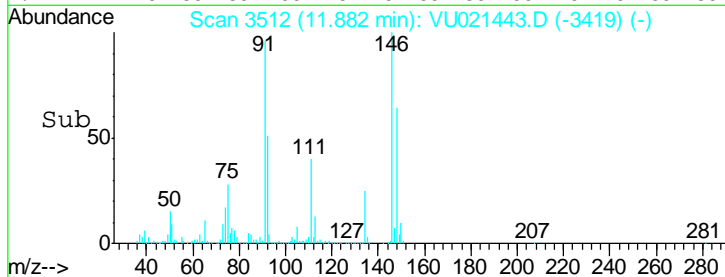


Tgt Ion: 146 Resp: 1623746

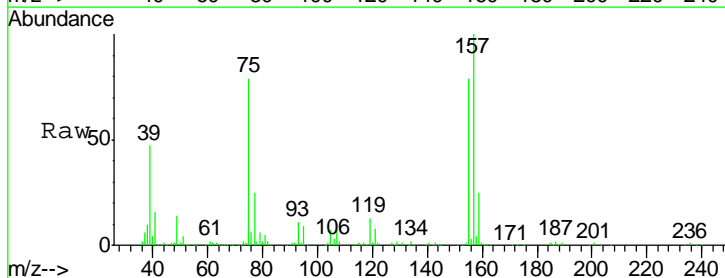
Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.1
148	64.2	32.0	96.2

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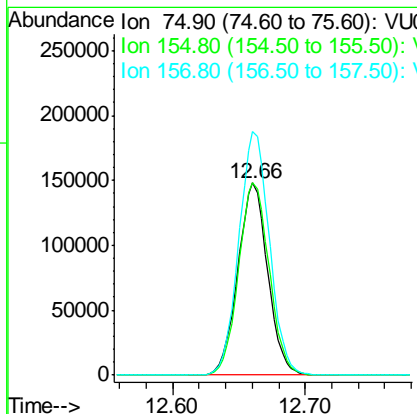
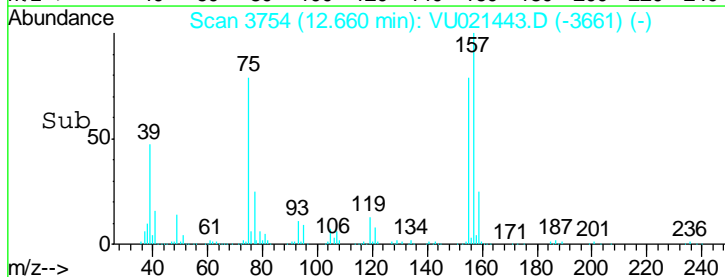


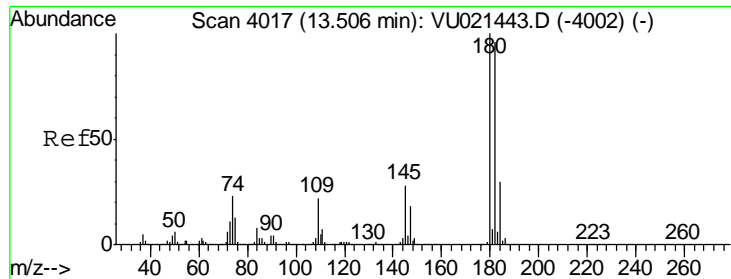
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.24 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15



Tgt Ion: 75 Resp: 232119

Ion	Ratio	Lower	Upper
75	100		
155	102.1	47.9	143.7
157	129.1	60.9	182.6





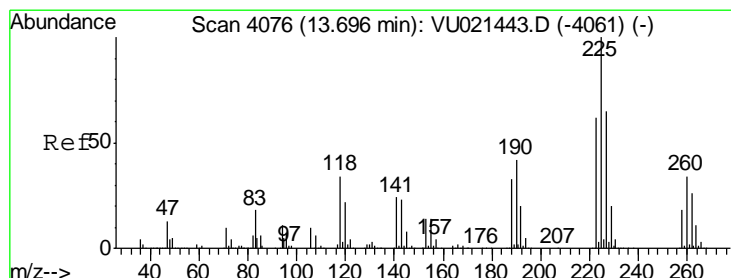
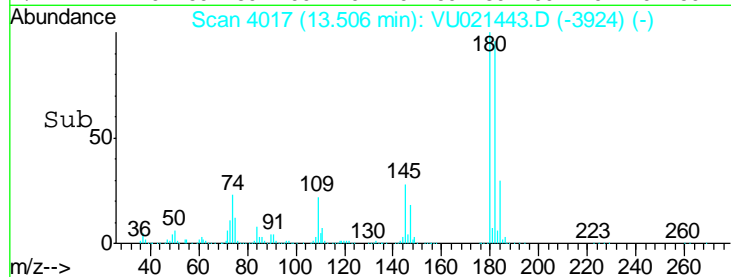
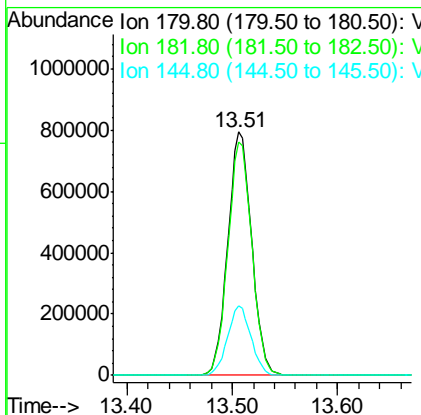
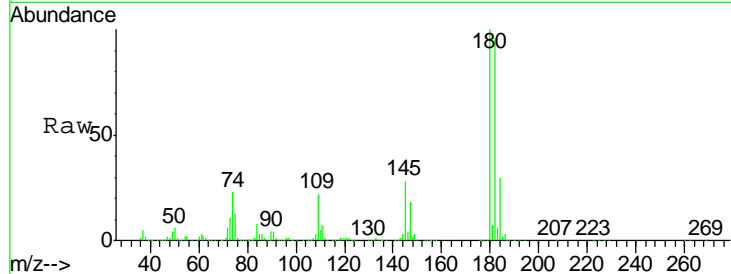
#93
 1,2,4-Trichlorobenzene
 Concen: 54.10 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
180	1235990		
180	100		
182	96.4	48.3	144.8
145	28.0	14.2	42.6

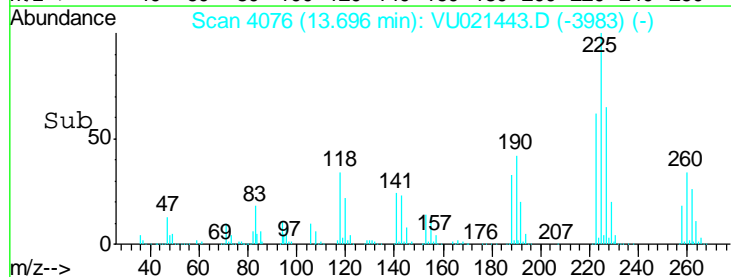
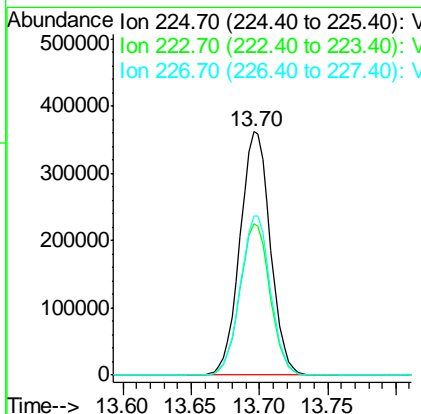
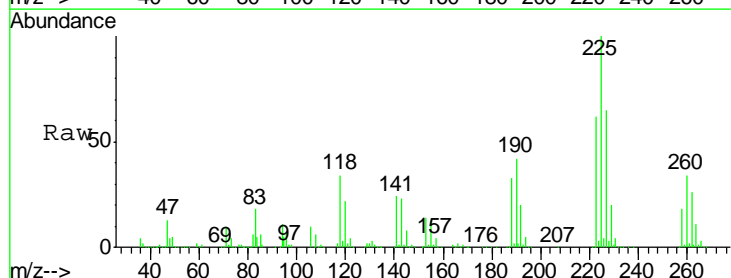
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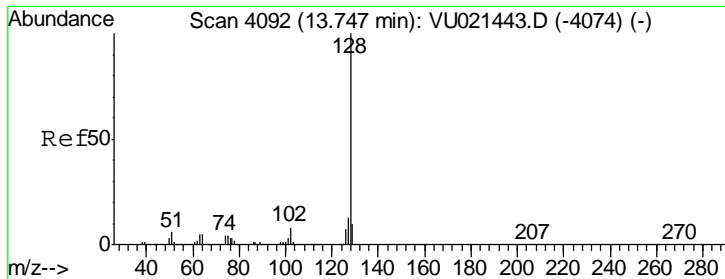
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#94
 Hexachlorobutadiene
 Concen: 44.12 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
225	557046		
225	100		
223	61.8	31.9	95.7
227	65.1	32.4	97.2





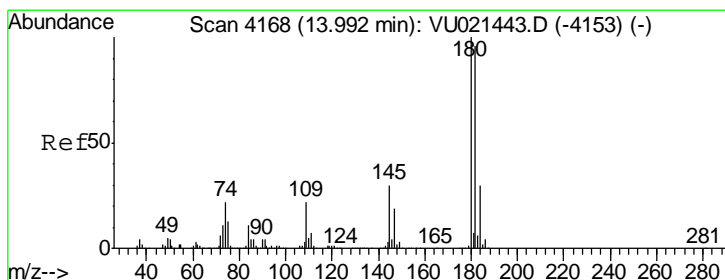
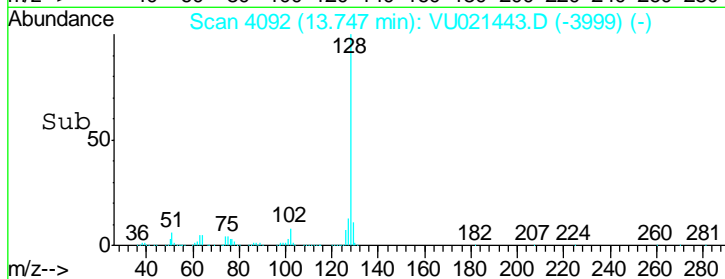
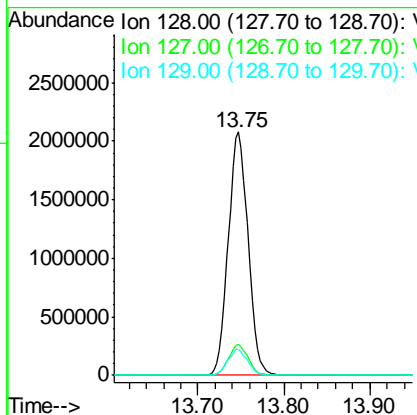
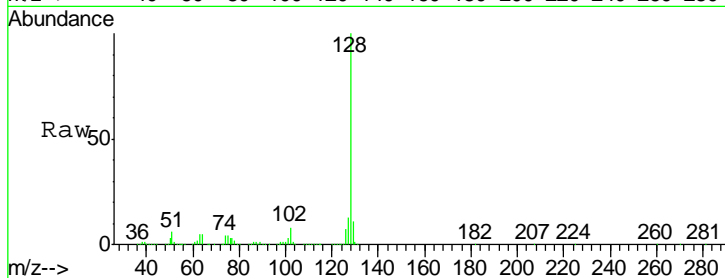
#95
 Naphthalene
 Concen: 61.47 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
128	3322699		
127	12.6	10.5	15.7
129	10.7	8.9	13.3

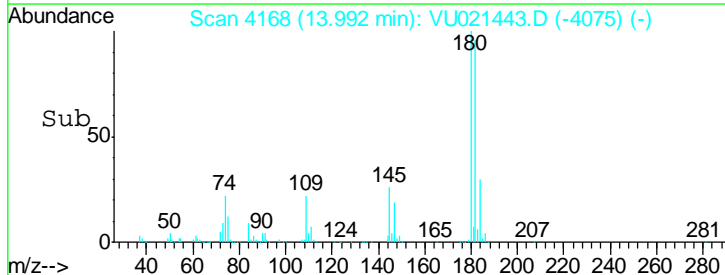
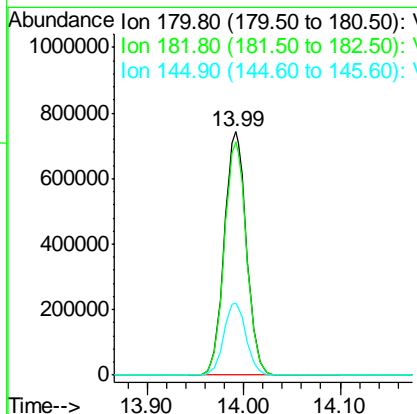
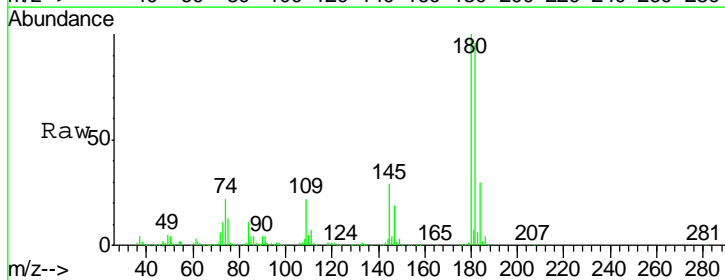
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#96
 1,2,3-Trichlorobenzene
 Concen: 52.88 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU021443.D
 Acq: 03 Jan 2018 14:15

Tgt Ion	Resp	Lower	Upper
180	1174434		
182	96.2	47.8	143.4
145	29.9	14.9	44.7



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021444.D
 Acq On : 03 Jan 2018 14:42
 Operator : MD/SY
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC100

Manual Integrations
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Quant Time: Jan 03 15:27:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1419789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	2084932	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1934705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	1090537	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	1262535	99.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.28%	
35) Dibromofluoromethane	4.89	113	1183862	92.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.90%	
50) Toluene-d8	7.57	98	4044749	94.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.52%	
62) 4-Bromofluorobenzene	10.31	95	1725341	94.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.98%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1126405	95.51	ug/l	99
3) Chloromethane	1.34	50	1339598	97.36	ug/l	99
4) Vinyl Chloride	1.40	62	1407640	101.15	ug/l	99
5) Bromomethane	1.61	94	852291m	66.41	ug/l	
6) Chloroethane	1.69	64	853156	98.39	ug/l	99
7) Trichlorofluoromethane	1.88	101	1964718	85.36	ug/l	100
8) Diethyl Ether	2.10	74	829456	97.01	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.28	101	1244174	88.15	ug/l	96
10) Methyl Iodide	2.41	142	1868145	120.42	ug/l	96
11) Tert butyl alcohol	2.84	59	1505031	469.44	ug/l	99
12) 1,1-Dichloroethene	2.28	96	1189154	87.13	ug/l	95
13) Acrolein	2.19	56	1050703	433.42	ug/l	98
14) Allyl chloride	2.59	41	1975487	111.19	ug/l	93
15) Acrylonitrile	2.94	53	3562464	538.79	ug/l	98
16) Acetone	2.32	43	3693213	506.07	ug/l	98
17) Carbon Disulfide	2.47	76	3448585	88.07	ug/l	100
18) Methyl Acetate	2.62	43	1604478	110.59	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	3998493	92.49	ug/l	99
20) Methylene Chloride	2.70	84	1309639	92.67	ug/l	92
21) trans-1,2-Dichloroethene	2.98	96	1276508	90.04	ug/l	96
22) Diisopropyl ether	3.58	45	3610114	110.91	ug/l #	96
23) Vinyl Acetate	3.53	43	14975517	566.58	ug/l #	94
24) 1,1-Dichloroethane	3.45	63	2234322	107.92	ug/l	99
25) 2-Butanone	4.27	43	4833319	616.62	ug/l	94
26) 2,2-Dichloropropane	4.23	77	1986998	101.67	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	1491161	105.09	ug/l	99
28) Bromochloromethane	4.55	49	941359	104.39	ug/l	87
29) Tetrahydrofuran	4.65	42	2709637	577.38	ug/l	90
30) Chloroform	4.68	83	2318176	102.73	ug/l	96
31) Cyclohexane	4.99	56	1976517	86.19	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	2063523	99.15	ug/l	98
36) 1,1-Dichloropropene	5.14	75	1783387	101.36	ug/l	99
37) Ethyl Acetate	4.39	43	1631995	113.99	ug/l	97
38) Carbon Tetrachloride	5.13	117	1836046	93.43	ug/l	99

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021444.D
 Acq On : 03 Jan 2018 14:42
 Operator : MD/SY
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC100

Manual Integrations
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Quant Time: Jan 03 15:27:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	2264951	97.30	ug/l	94
40) Benzene	5.39	78	5246610	100.21	ug/l	100
41) Methacrylonitrile	4.55	41	921464	112.48	ug/l	95
42) 1,2-Dichloroethane	5.41	62	1778683	100.15	ug/l	99
43) Isopropyl Acetate	5.56	43	2737381	106.63	ug/l	96
44) Trichloroethene	6.19	130	1558634	94.05	ug/l	96
45) 1,2-Dichloropropane	6.44	63	1322105	101.47	ug/l	99
46) Dibromomethane	6.56	93	960688	98.95	ug/l	95
47) Bromodichloromethane	6.76	83	1813666	99.35	ug/l	100
48) Methyl methacrylate	6.63	41	1383496	112.15	ug/l	93
49) 1,4-Dioxane	6.62	88	686515	2205.50	ug/l	93
51) 4-Methyl-2-Pentanone	7.47	43	8465098	548.22	ug/l	95
52) Toluene	7.64	92	3393553	98.05	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	2105816	103.23	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	2231294	102.78	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	1362358	97.93	ug/l	97
56) Ethyl methacrylate	8.02	69	2137667	110.66	ug/l	95
57) 1,3-Dichloropropane	8.25	76	2249023	103.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	4231068	661.41	ug/l	94
59) 2-Hexanone	8.37	43	6813891	561.61	ug/l	94
60) Dibromochloromethane	8.48	129	1551934	95.33	ug/l	99
61) 1,2-Dibromoethane	8.59	107	1532493	100.83	ug/l	100
64) Tetrachloroethene	8.23	164	1470351	89.44	ug/l	98
65) Chlorobenzene	9.12	112	3960064	98.80	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	1417782	94.93	ug/l	98
67) Ethyl Benzene	9.25	91	6615662	98.68	ug/l	99
68) m/p-Xylenes	9.38	106	5141729	194.29	ug/l	99
69) o-Xylene	9.78	106	2512601	96.63	ug/l	99
70) Styrene	9.80	104	4242998	99.91	ug/l	100
71) Bromoform	9.96	173	1313210	95.33	ug/l #	99
73) Isopropylbenzene	10.17	105	6764453	96.78	ug/l	99
74) N-amyl acetate	10.02	43	2561353	121.64	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	2156100	103.56	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	1701910m	100.46	ug/l	
77) Bromobenzene	10.46	156	1852756	94.70	ug/l	99
78) n-propylbenzene	10.59	91	7859340	102.60	ug/l	99
79) 2-Chlorotoluene	10.66	91	4564816	99.55	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	5767627	98.74	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.52	75	730038m	120.57	ug/l	
82) 4-Chlorotoluene	10.78	91	5433204	102.11	ug/l	98
83) tert-Butylbenzene	11.10	119	5727829	97.47	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	5903702	100.89	ug/l	99
85) sec-Butylbenzene	11.33	105	7038197	100.09	ug/l	98
86) p-Isopropyltoluene	11.48	119	6416006	99.76	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	3443625	95.88	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	3484574	94.63	ug/l	100
89) n-Butylbenzene	11.90	91	5833125	110.29	ug/l	97
90) Hexachloroethane	12.15	117	1099053	96.88	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	3437974	96.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	528632	119.99	ug/l	93

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021444.D
 Acq On : 03 Jan 2018 14:42
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
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Quant Time: Jan 03 15:27:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	2648477	112.62	ug/l	99
94) Hexachlorobutadiene	13.70	225	1211058	93.17	ug/l	98
95) Naphthalene	13.75	128	7191909	129.24	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	2513984	109.97	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

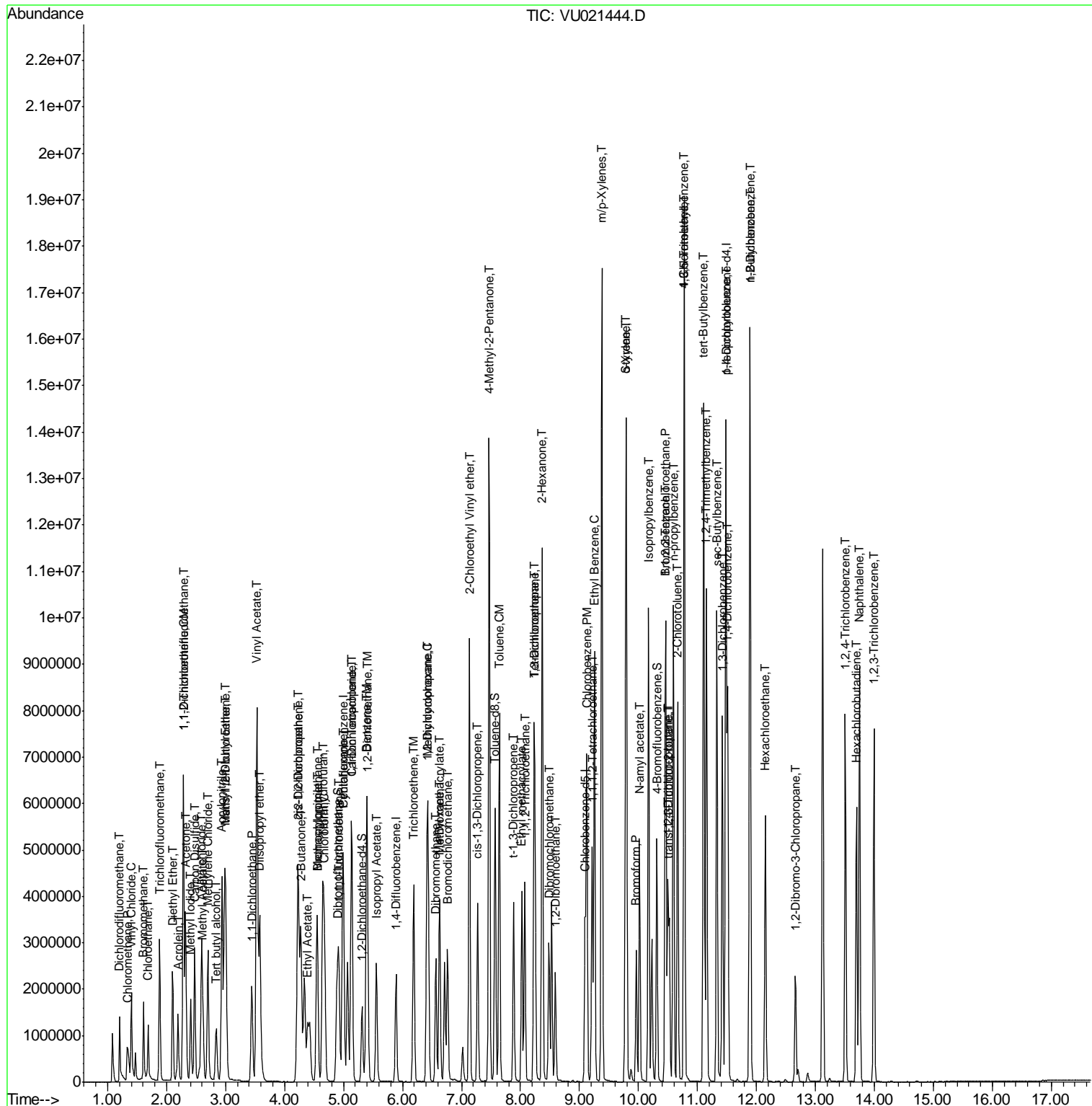
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 Data File : VU021444.D
 Acq On : 03 Jan 2018 14:42
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VSTDICC100

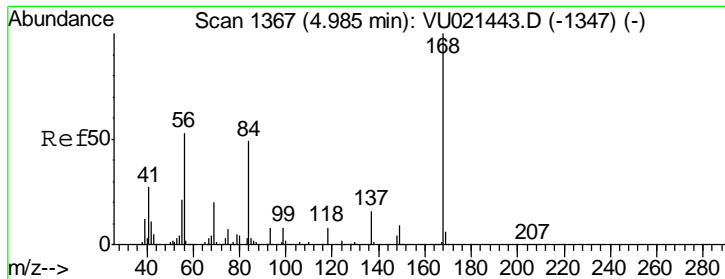
Manual Integrations
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Quant Time: Jan 03 15:27:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration



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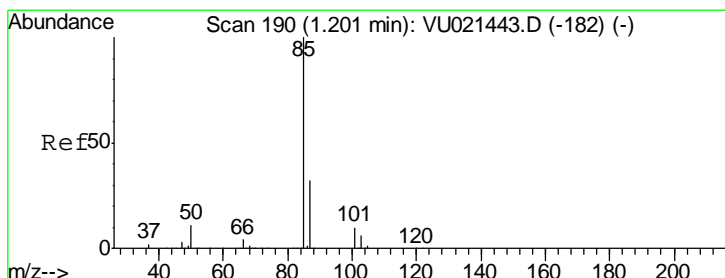
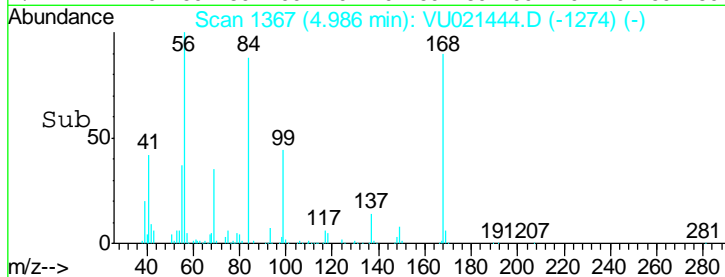
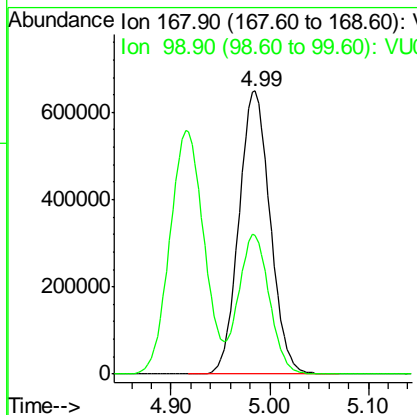
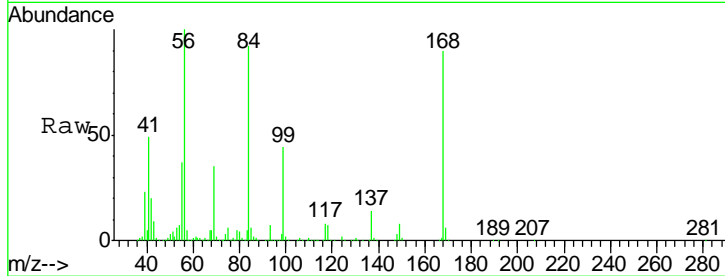
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDICC100

Tgt Ion	Resp	Lower	Upper
168	1419789		
99	49.0	40.2	60.2

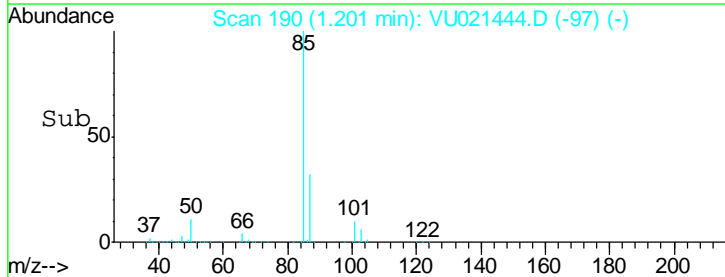
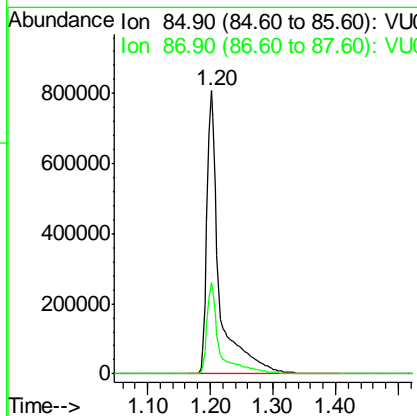
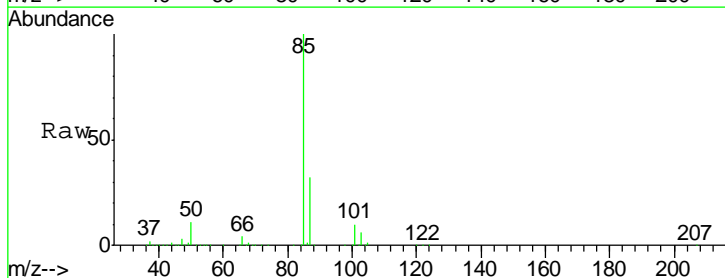
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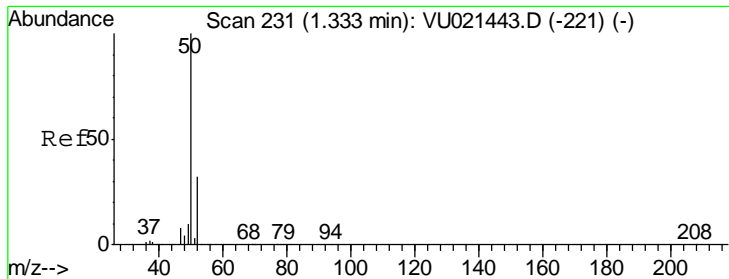
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#2
 Dichlorodifluoromethane
 Concen: 95.51 ug/l
 RT: 1.20 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
85	1126405		
87	32.2	16.3	48.8





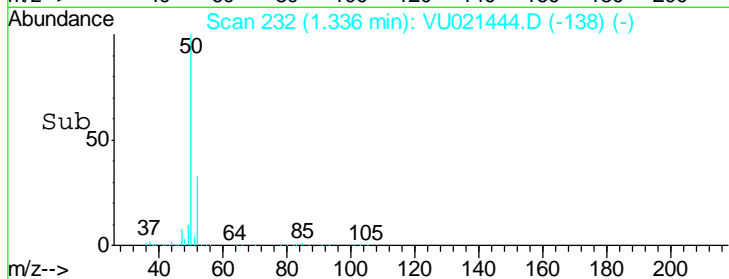
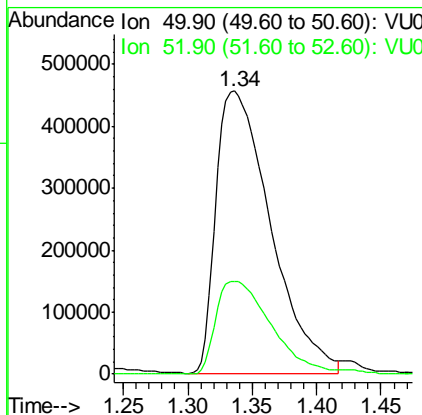
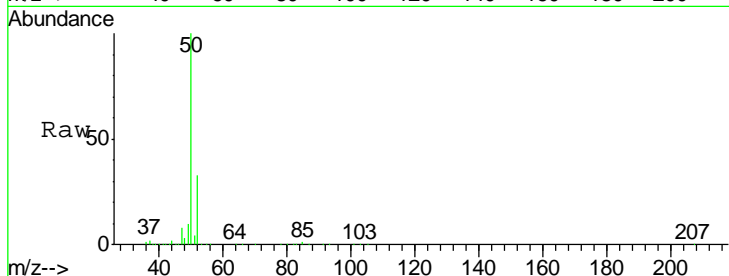
#3
 Chloromethane
 Concen: 97.36 ug/l
 RT: 1.34 min Scan# 232
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
50	1339598		
52	33.1	27.1	40.7

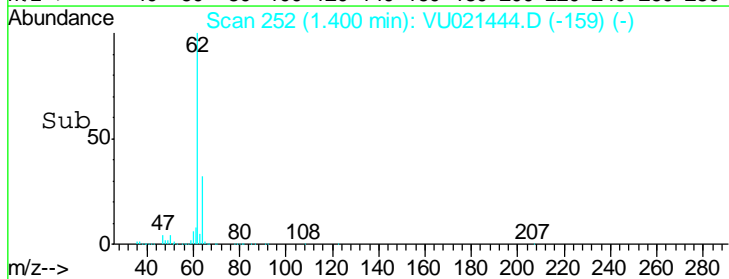
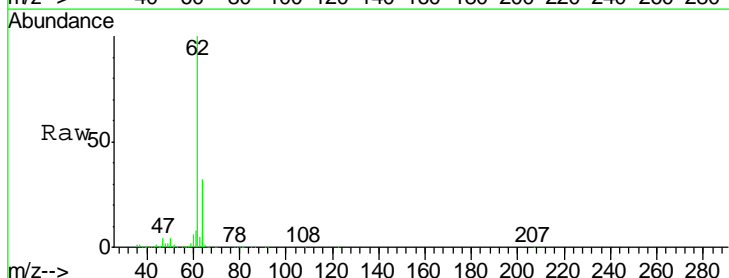
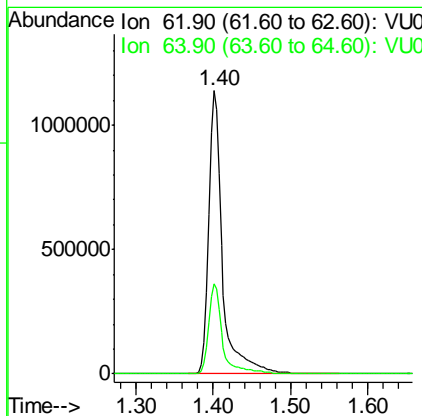
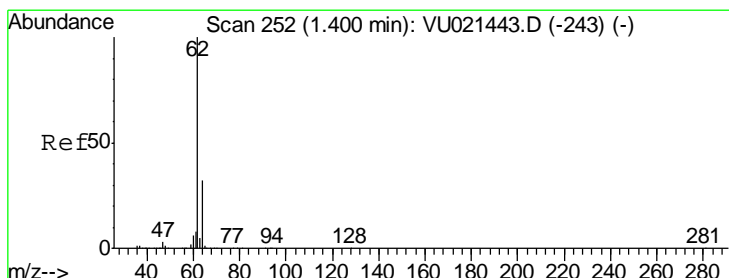
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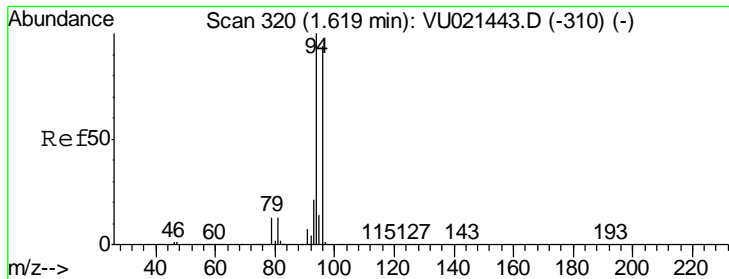
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#4
 Vinyl Chloride
 Concen: 101.15 ug/l
 RT: 1.40 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
62	1407640		
64	31.9	25.9	38.9





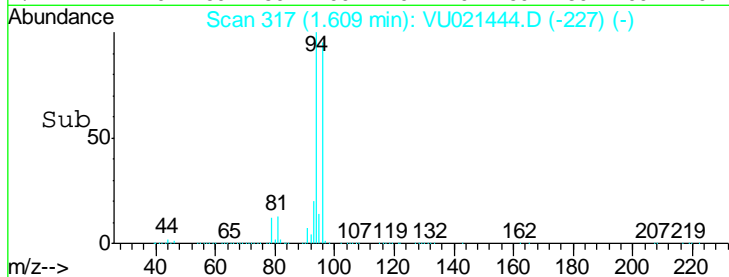
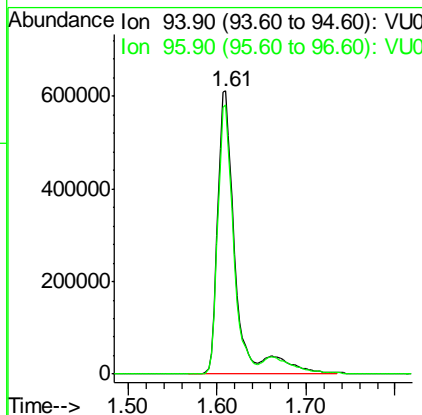
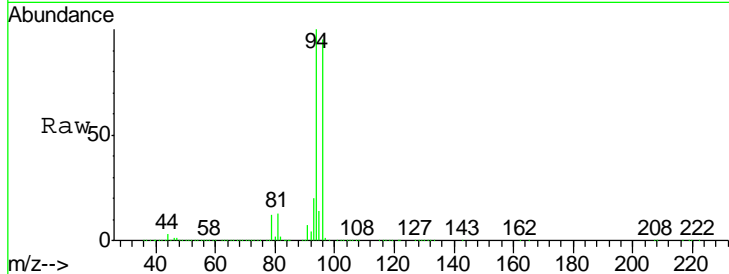
#5
 Bromomethane
 Concen: 66.41 ug/l m
 RT: 1.61 min Scan# 317
 Delta R.T. -0.01 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
94	100		
96	95.3	74.4	111.6

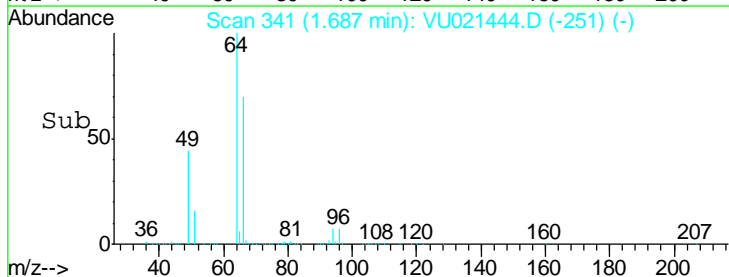
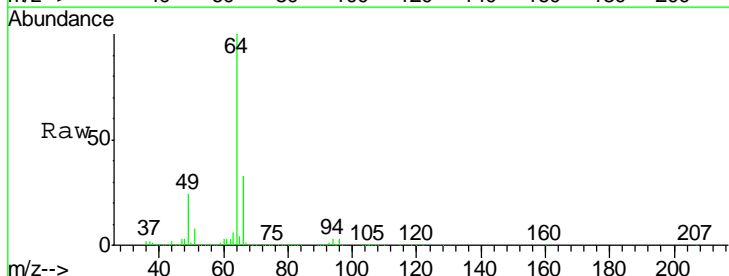
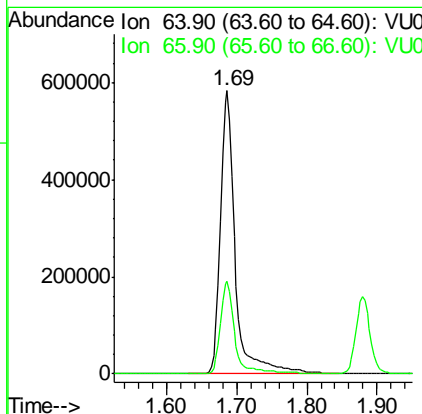
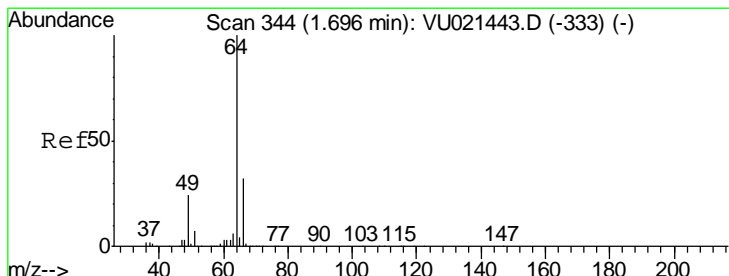
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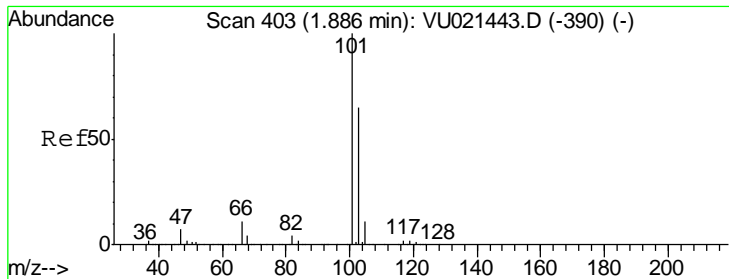
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#6
 Chloroethane
 Concen: 98.39 ug/l
 RT: 1.69 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.8	25.6	38.4





#7
 Trichlorofluoromethane
 Concen: 85.36 ug/l
 RT: 1.88 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

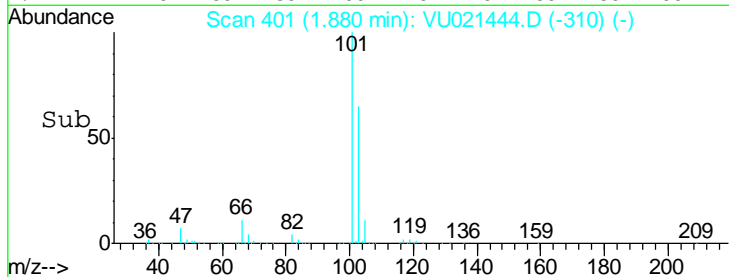
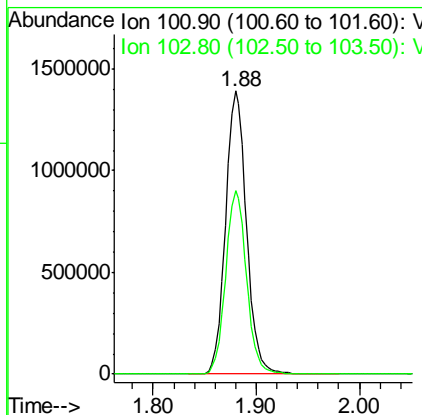
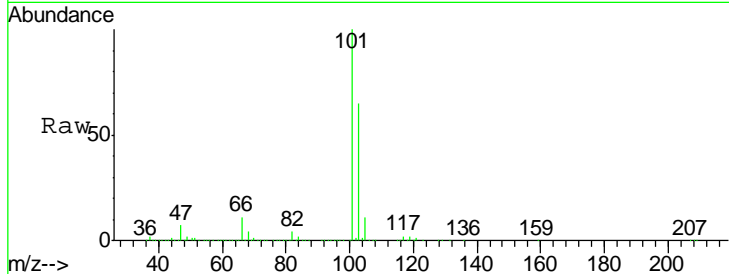
Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion: 101 Resp: 1964718

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.8	77.8

Manual Integrations
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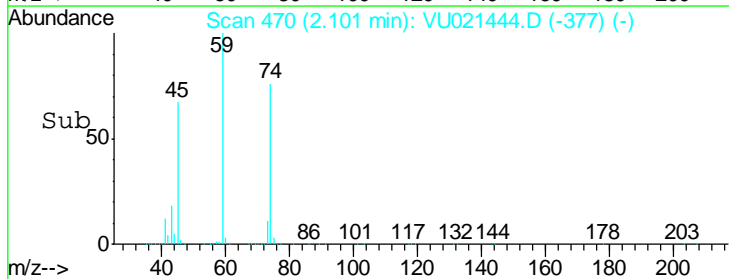
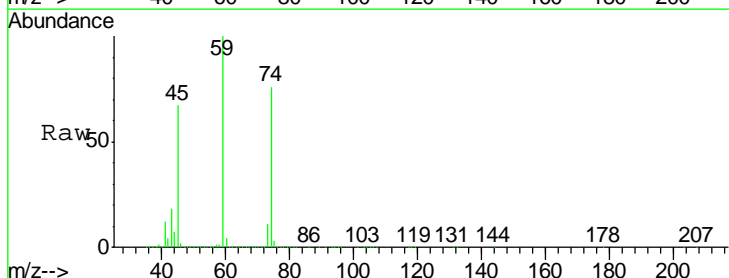
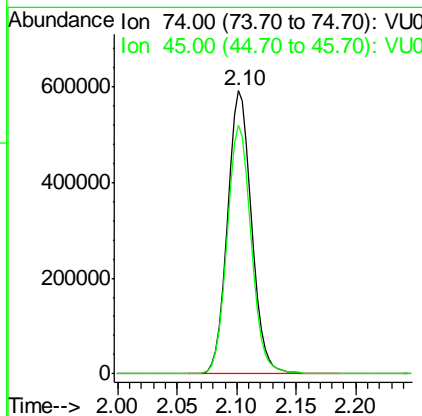
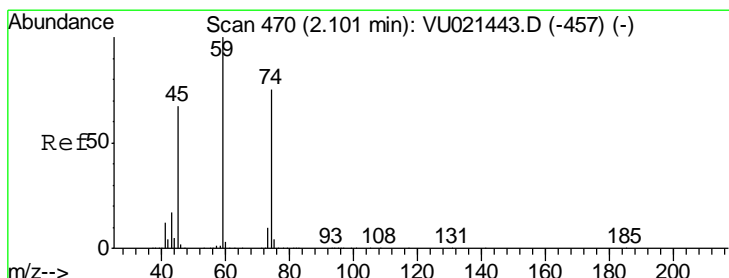
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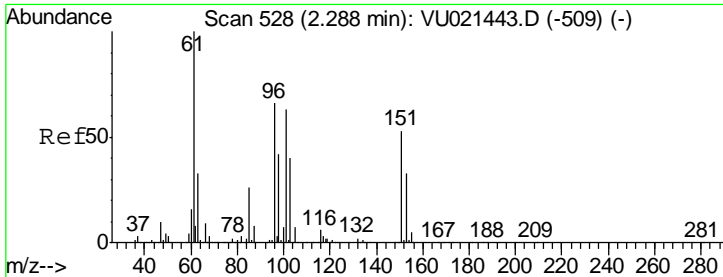


#8
 Diethyl Ether
 Concen: 97.01 ug/l
 RT: 2.10 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion: 74 Resp: 829456

Ion	Ratio	Lower	Upper
74	100		
45	87.9	50.5	151.6





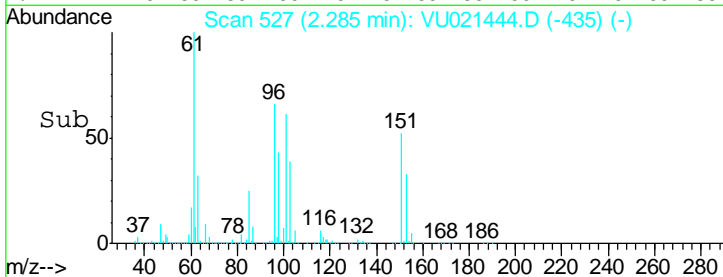
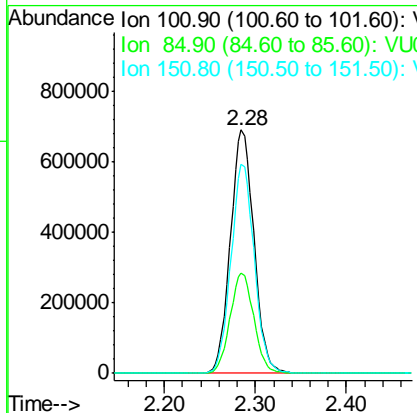
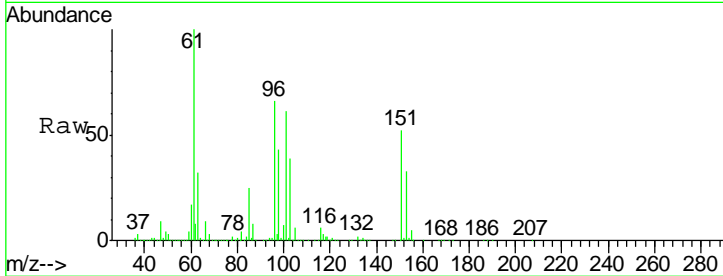
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 88.15 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VU021444.D
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	1244174		
101	100		
85	41.5	34.8	52.2
151	85.4	64.8	97.2

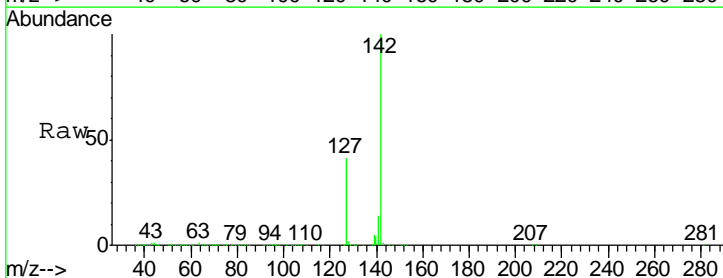
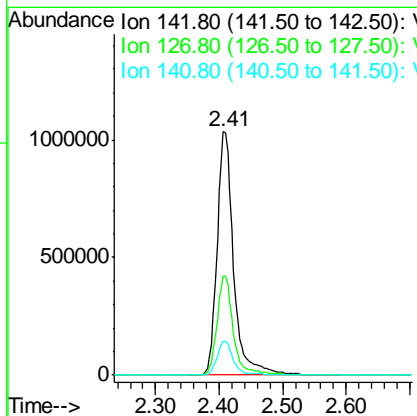
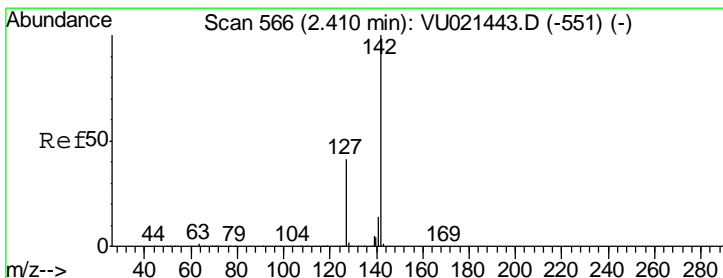
Manual Integrations
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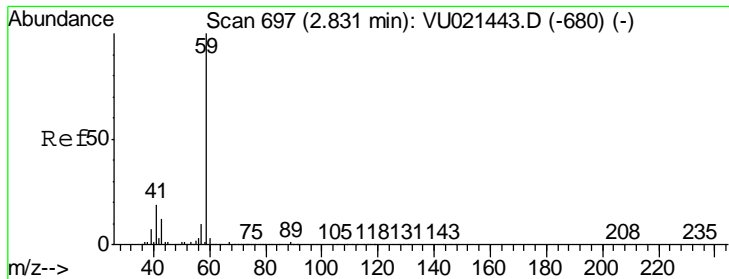
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#10
 Methyl Iodide
 Concen: 120.42 ug/l
 RT: 2.41 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
142	1868145		
142	100		
127	40.3	34.9	52.3
141	14.0	11.4	17.0





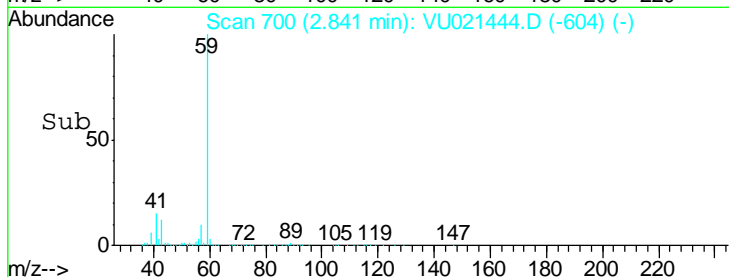
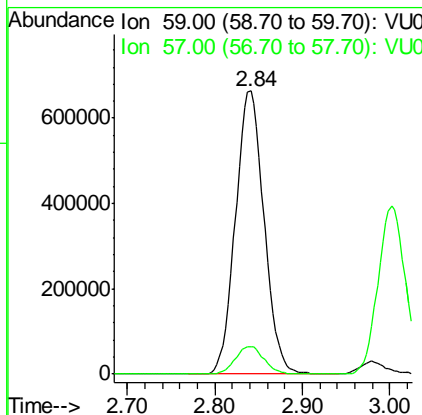
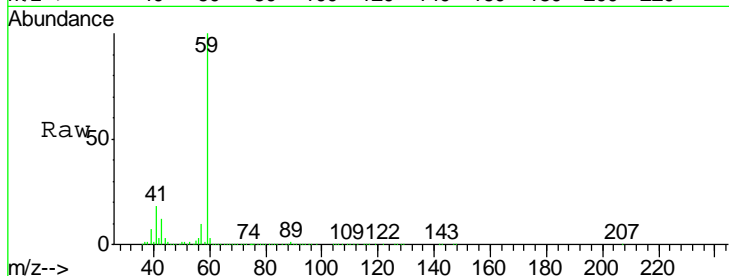
#11
 Tert butyl alcohol
 Concen: 469.44 ug/l
 RT: 2.84 min Scan# 700
 Delta R.T. 0.01 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.8	8.2	12.4

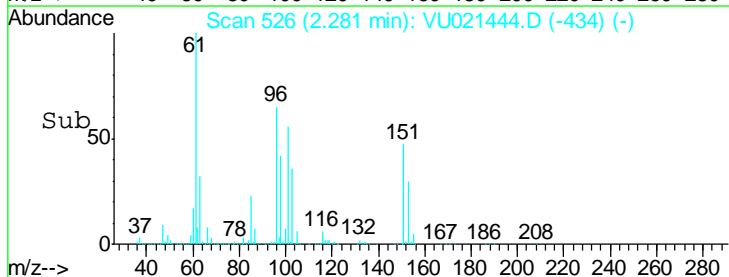
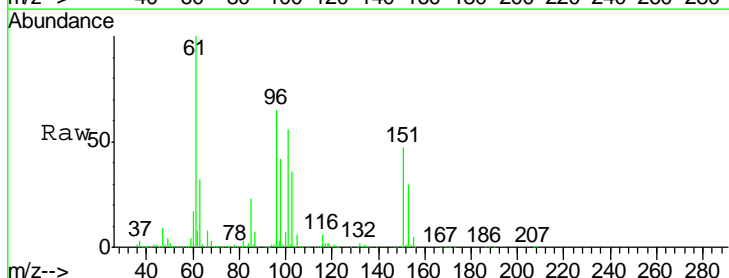
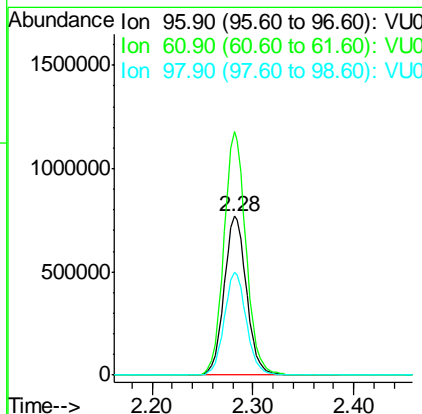
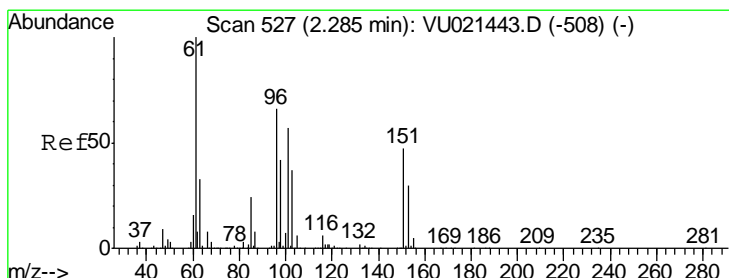
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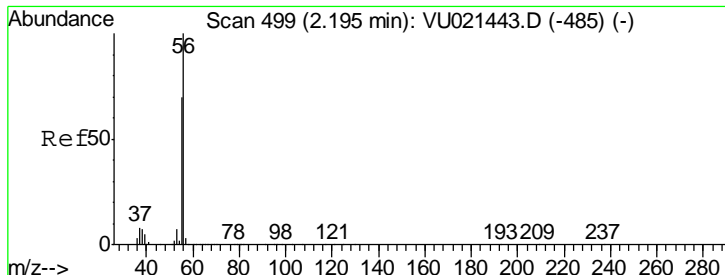
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#12
 1,1-Dichloroethene
 Concen: 87.13 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
96	100		
61	153.2	129.1	193.7
98	64.7	51.2	76.8





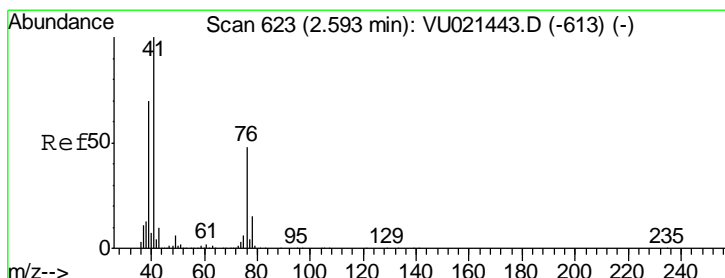
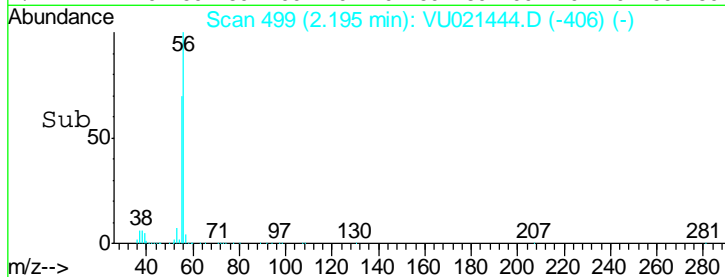
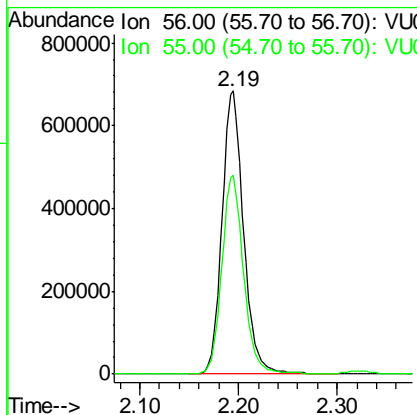
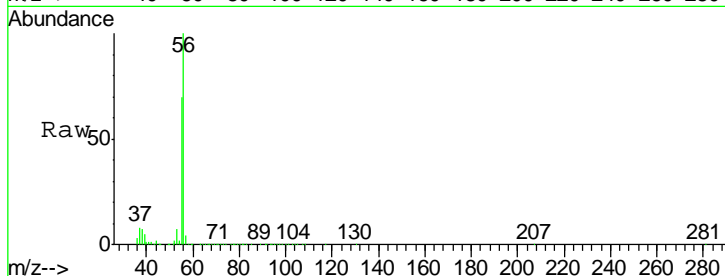
#13
 Acrolein
 Concen: 433.42 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	1050703		
55	70.7	58.0	87.0

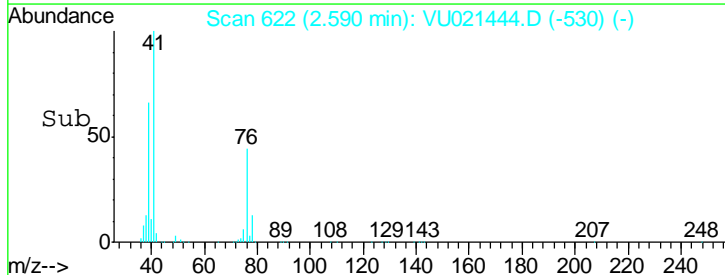
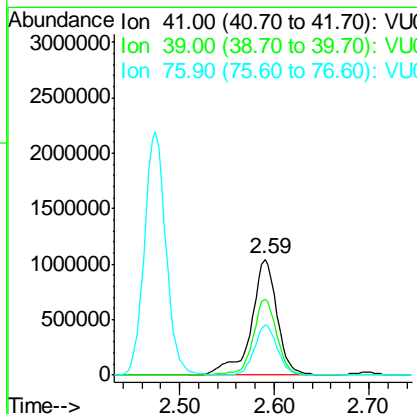
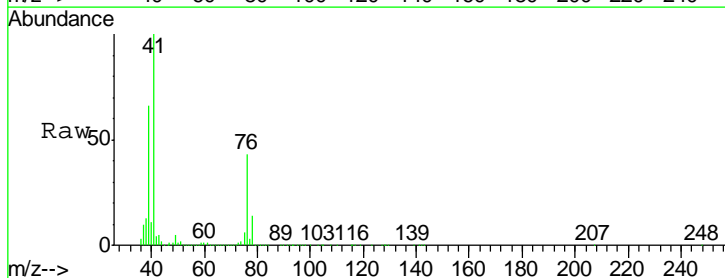
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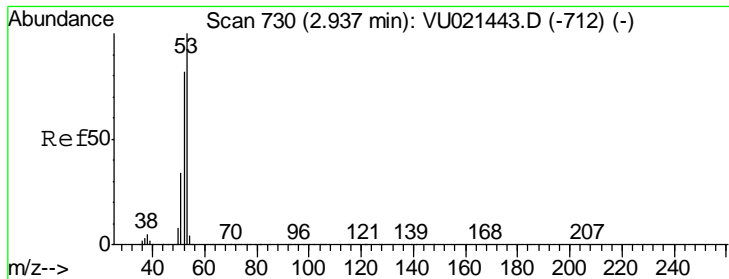
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#14
 Allyl chloride
 Concen: 111.19 ug/l
 RT: 2.59 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
41	1975487		
39	59.9	54.2	81.4
76	38.1	29.1	43.7





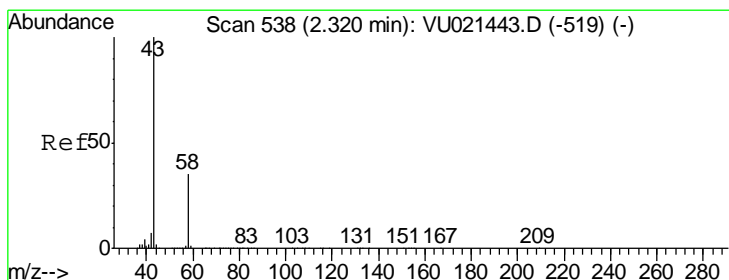
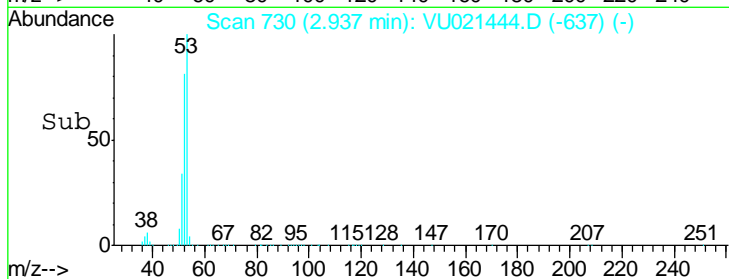
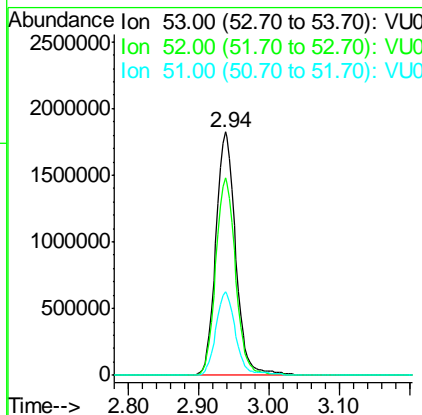
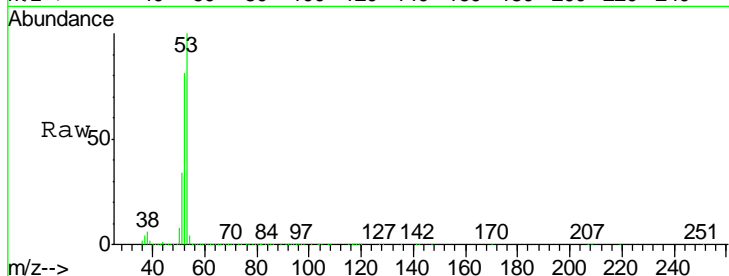
#15
 Acrylonitrile
 Concen: 538.79 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.1	66.8	100.2
51	34.5	27.3	40.9

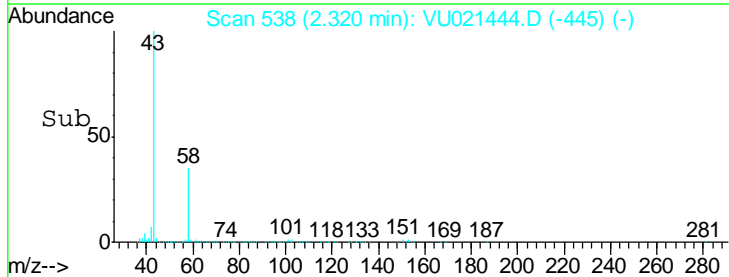
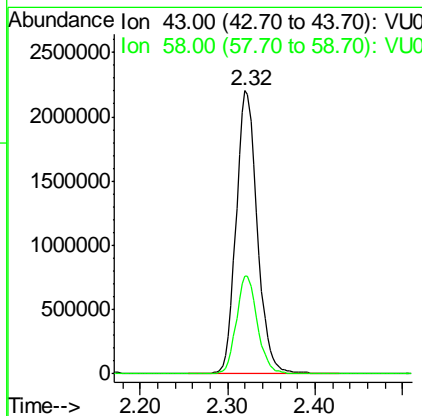
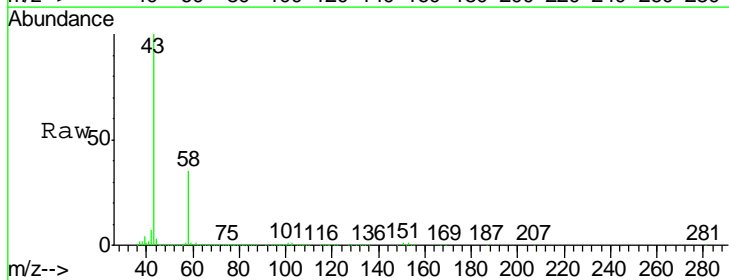
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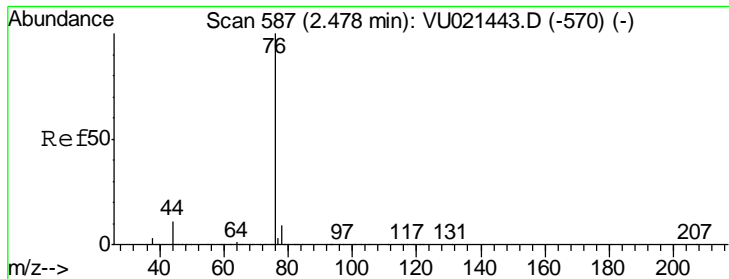
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#16
 Acetone
 Concen: 506.07 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
43	100		
58	34.6	26.7	40.1





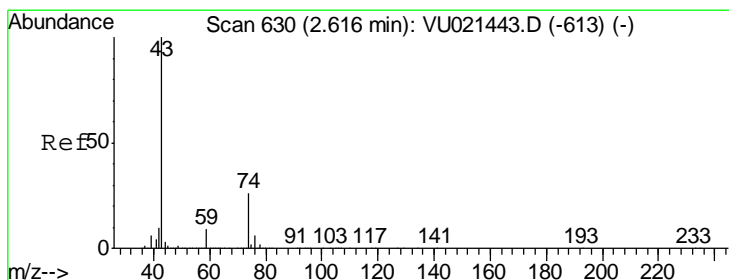
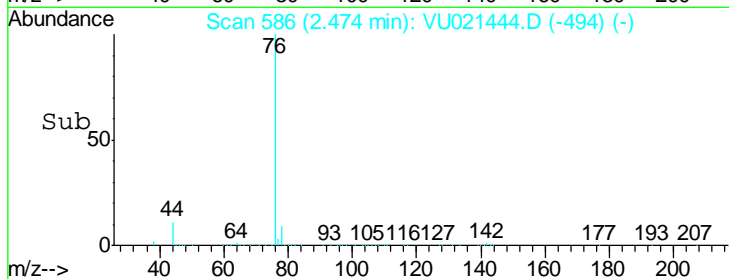
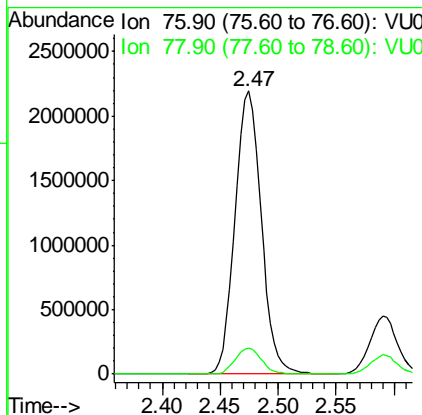
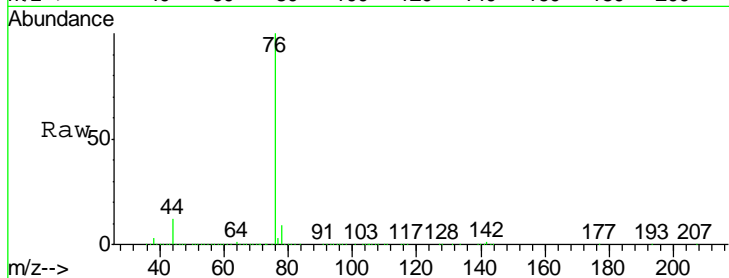
#17
 Carbon Disulfide
 Concen: 88.07 ug/l
 RT: 2.47 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.2	7.4	11.0

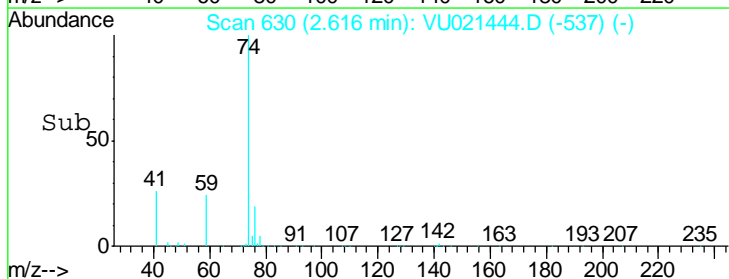
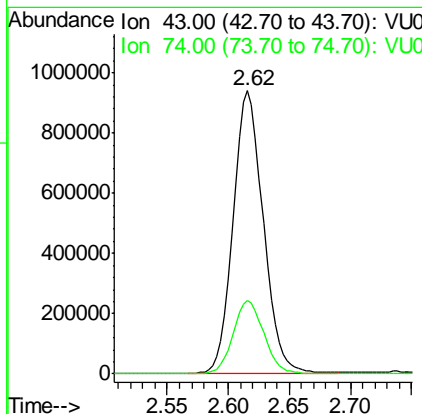
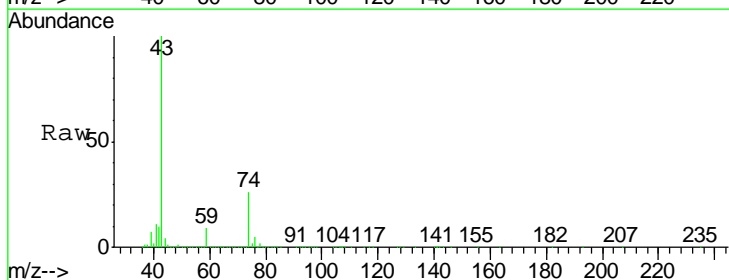
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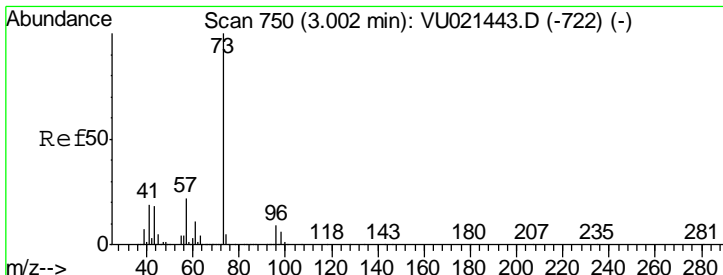
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#18
 Methyl Acetate
 Concen: 110.59 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
43	100		
74	26.7	18.6	27.8





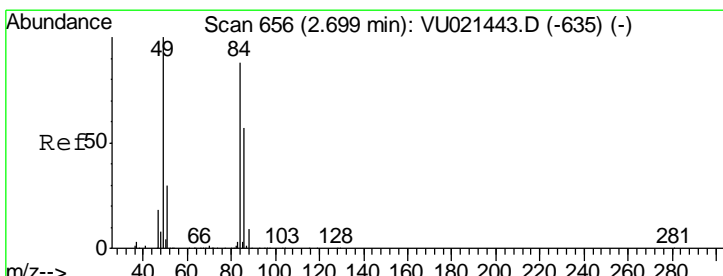
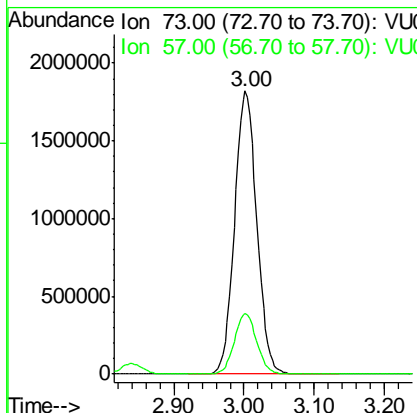
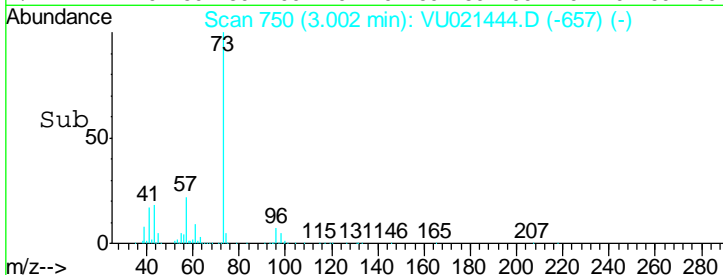
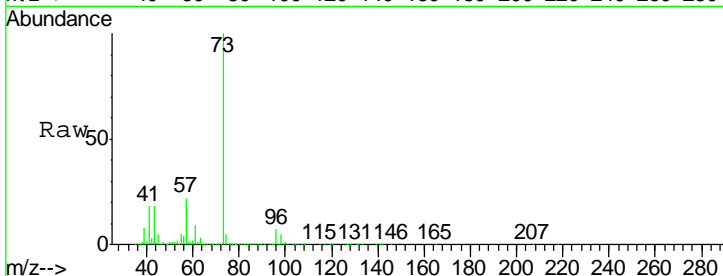
#19
 Methyl tert-butyl Ether
 Concen: 92.49 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
73	3998493		
57	21.6	17.6	26.4

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

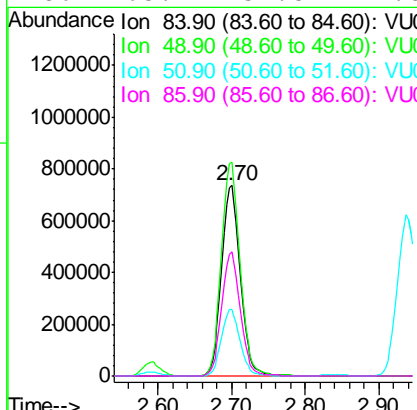
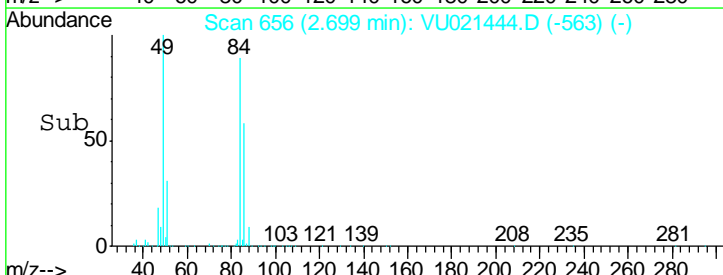
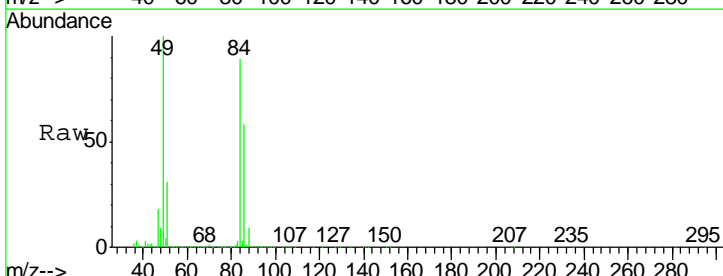
Manual Integrations APPROVED

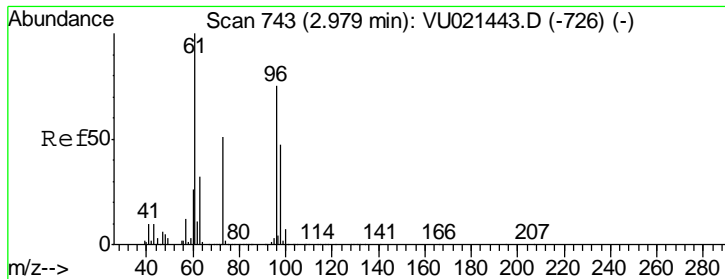
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#20
 Methylene Chloride
 Concen: 92.67 ug/l
 RT: 2.70 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

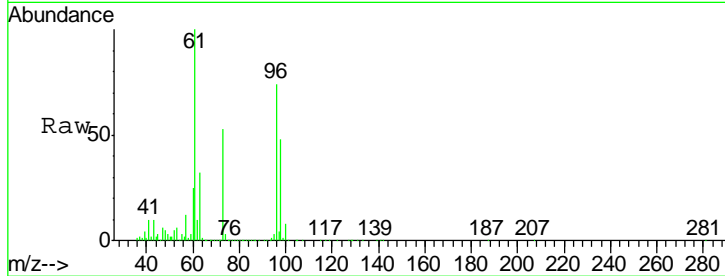
Tgt Ion	Resp	Lower	Upper
84	1309639		
49	112.3	100.3	150.5
51	35.2	32.2	48.2
86	65.1	51.8	77.8





#21
 trans-1,2-Dichloroethene
 Concen: 90.04 ug/l
 RT: 2.98 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

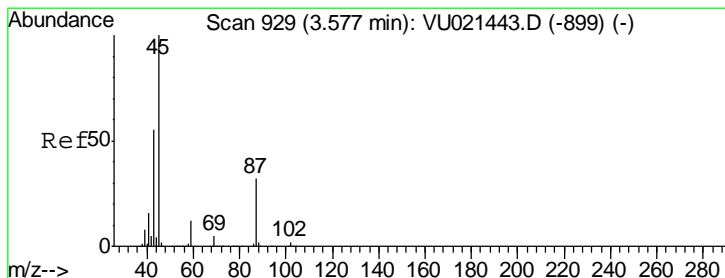
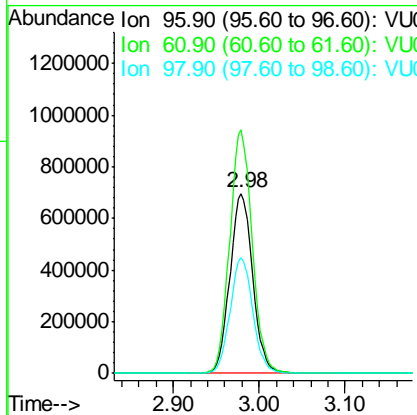
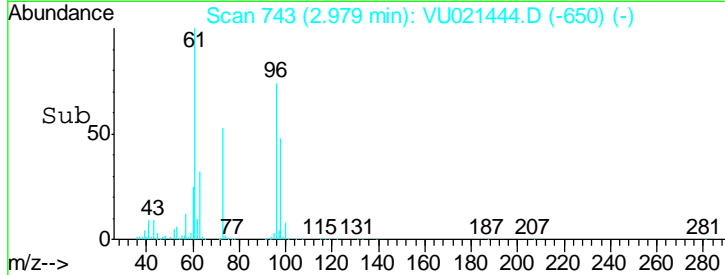
Instrument : MSVOA_U
 ClientSampled : VSTDIC100



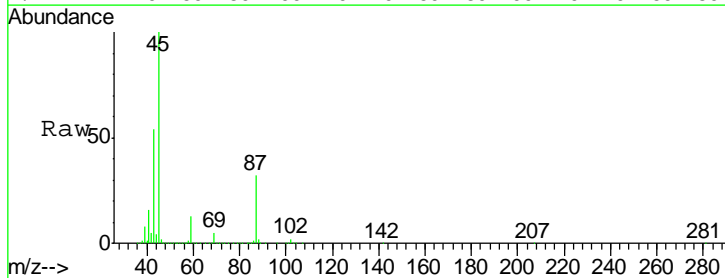
Tgt Ion: 96 Resp: 1276508

Ion	Ratio	Lower	Upper
96	100		
61	135.6	113.6	170.4
98	64.6	51.0	76.6

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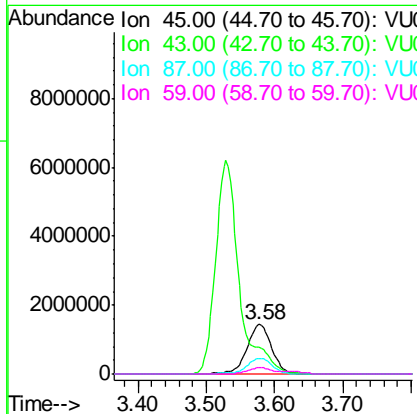
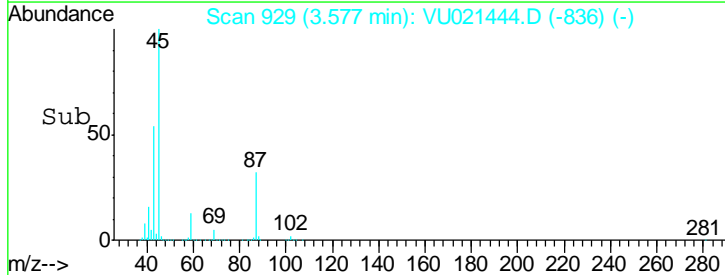


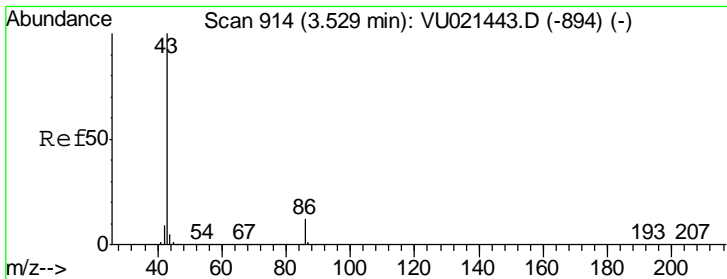
#22
 Diisopropyl ether
 Concen: 110.91 ug/l
 RT: 3.58 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42



Tgt Ion: 45 Resp: 3610114

Ion	Ratio	Lower	Upper
45	100		
43	53.9	42.6	63.8
87	32.3	21.0	31.6#
59	12.5	9.2	13.8





#23
 Vinyl Acetate
 Concen: 566.58 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

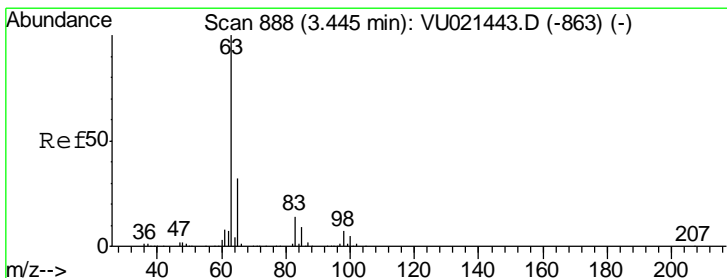
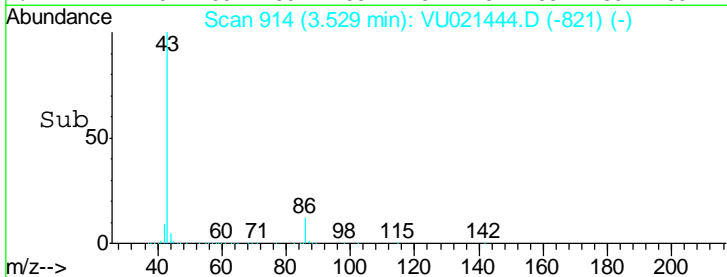
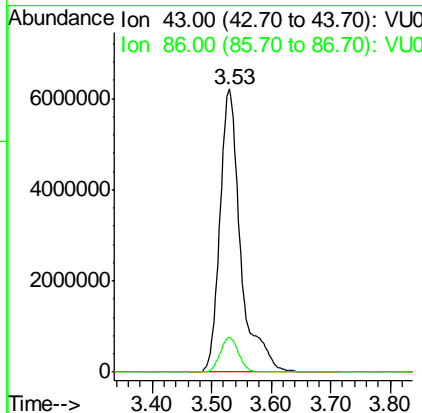
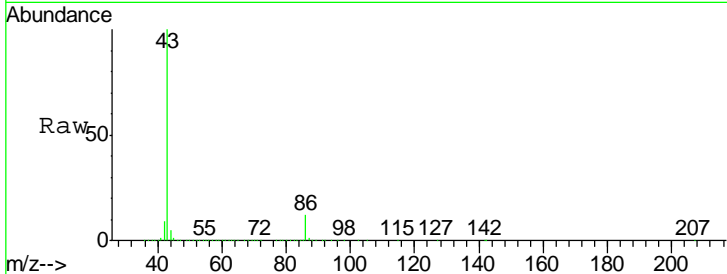
Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion: 43 Resp: 14975517

Ion	Ratio	Lower	Upper
43	100		
86	12.3	8.0	12.0#

Manual Integrations
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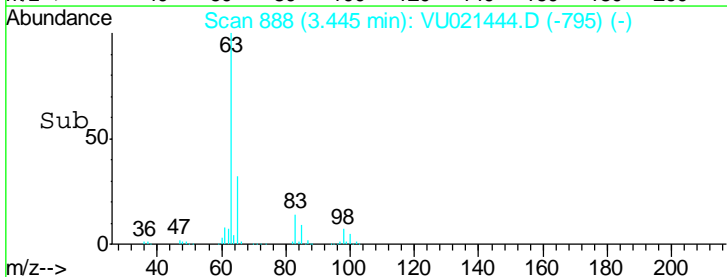
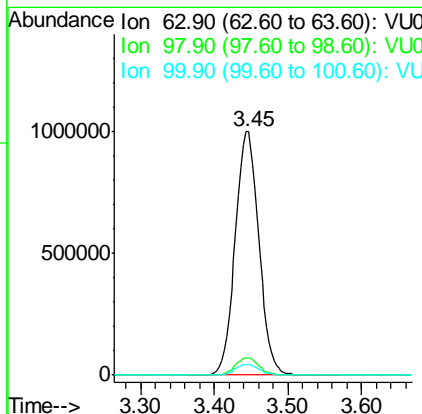
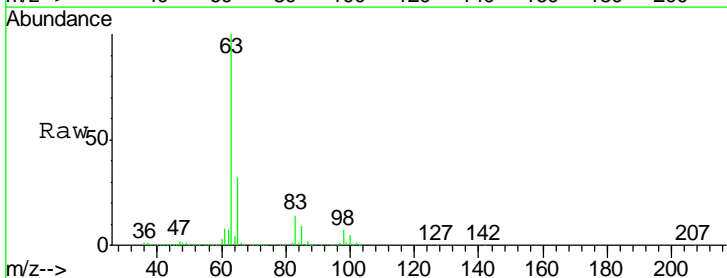
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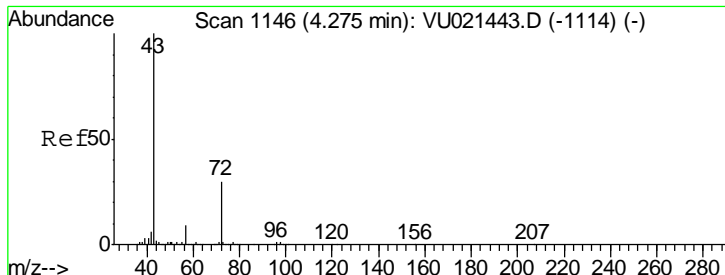


#24
 1,1-Dichloroethane
 Concen: 107.92 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion: 63 Resp: 2234322

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.4
100	4.6	2.0	5.8





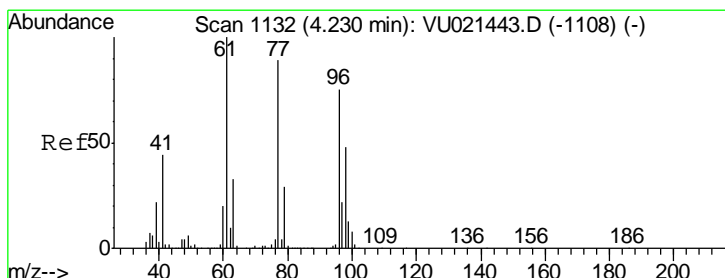
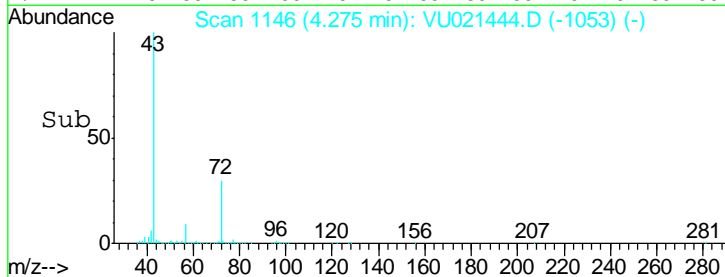
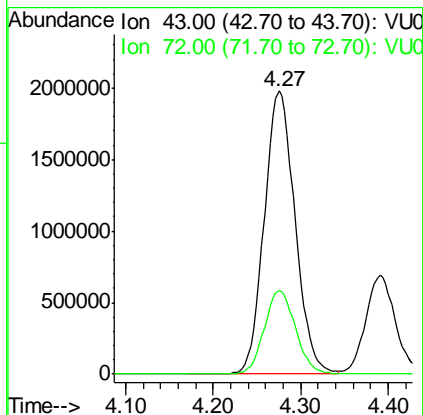
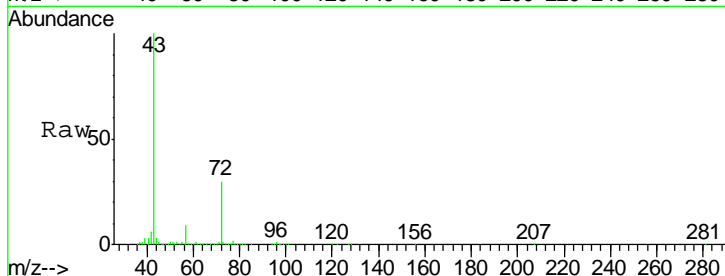
#25
 2-Butanone
 Concen: 616.62 ug/l
 RT: 4.27 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
72	29.6	21.4	32.0

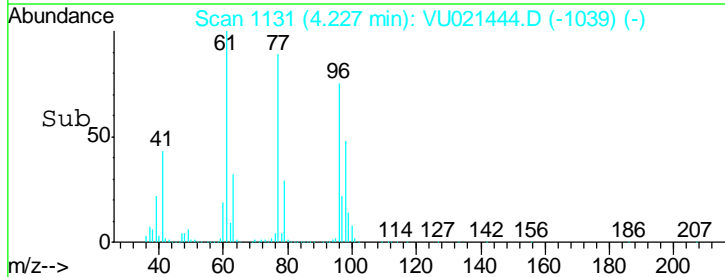
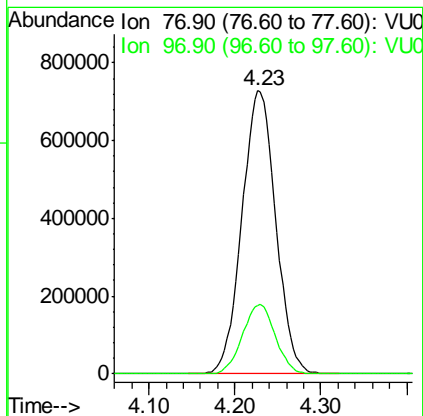
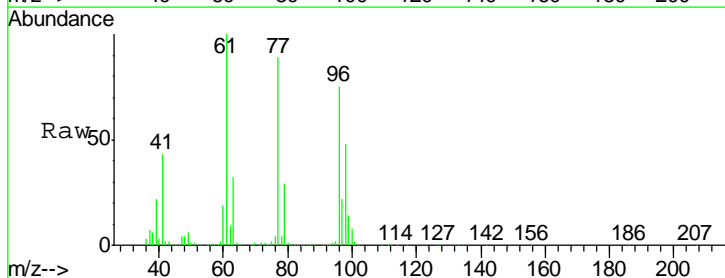
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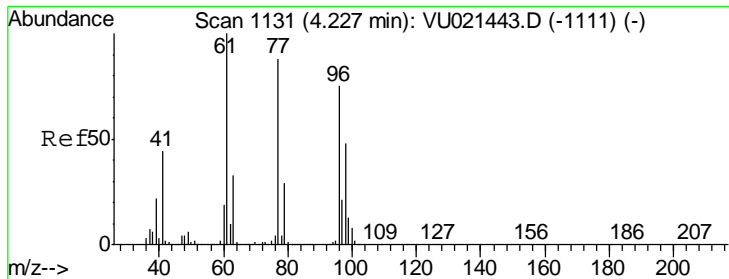
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#26
 2,2-Dichloropropane
 Concen: 101.67 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.9	11.9	35.9





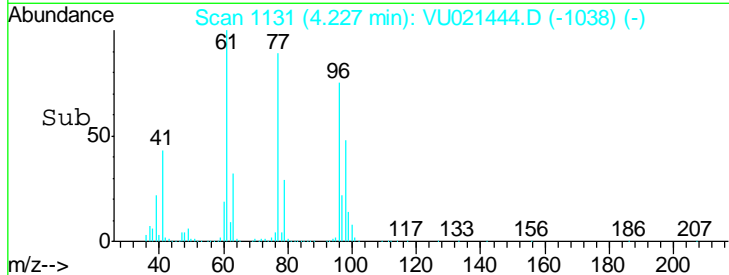
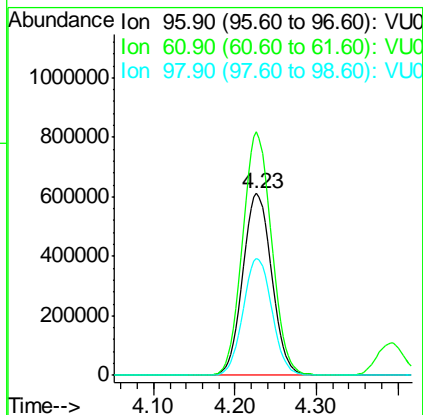
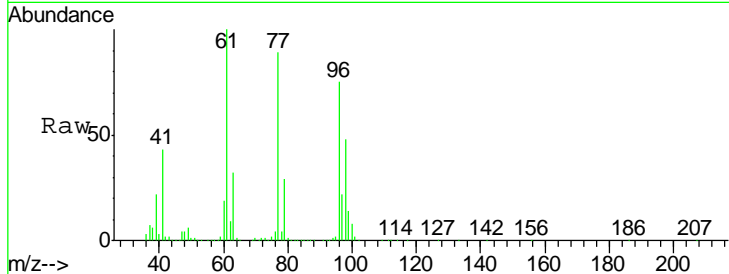
#27
 cis-1,2-Dichloroethene
 Concen: 105.09 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	1491161		
61	134.6	0.0	273.2
98	64.1	0.0	128.6

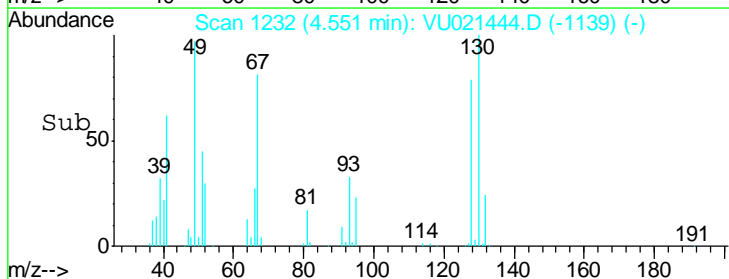
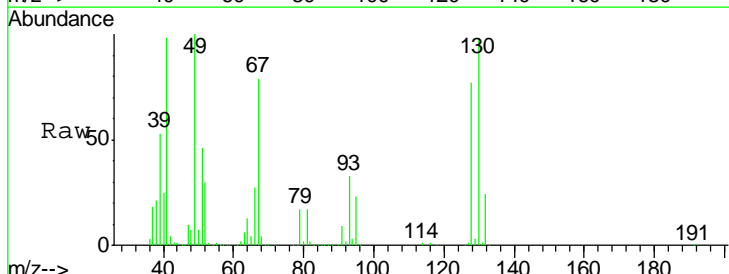
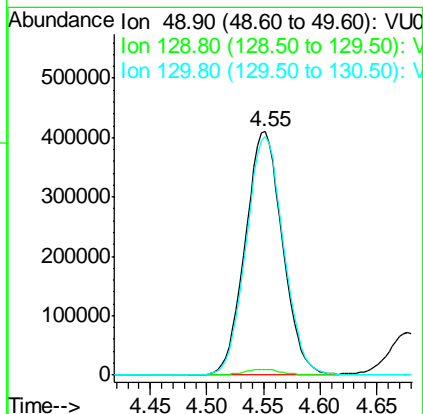
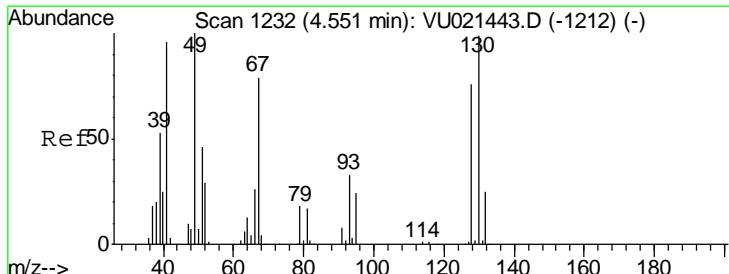
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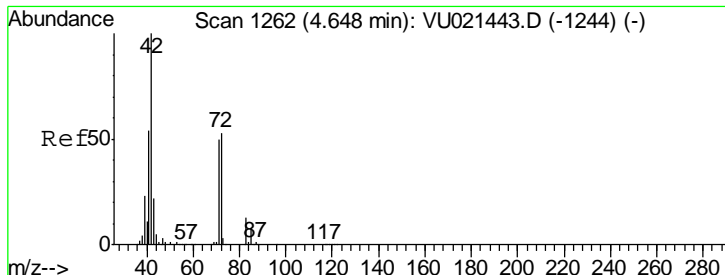
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#28
 Bromochloromethane
 Concen: 104.39 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
49	941359		
129	2.4	0.0	4.2
130	98.7	69.0	103.4





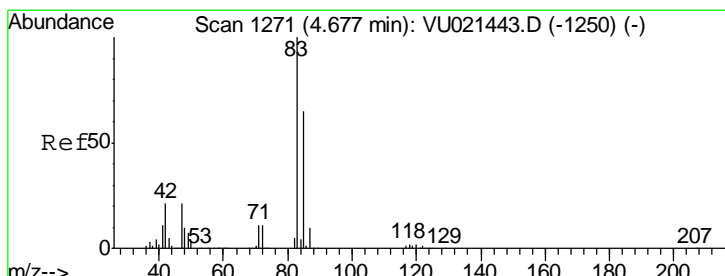
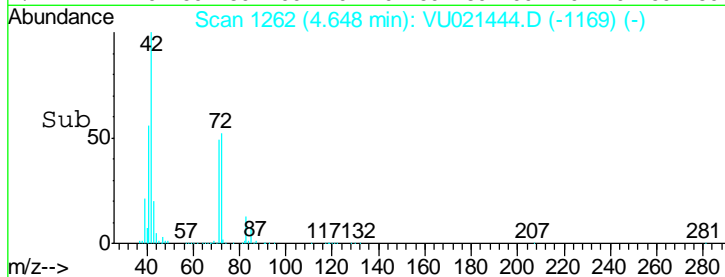
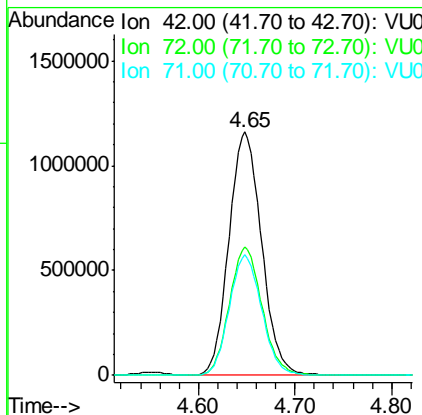
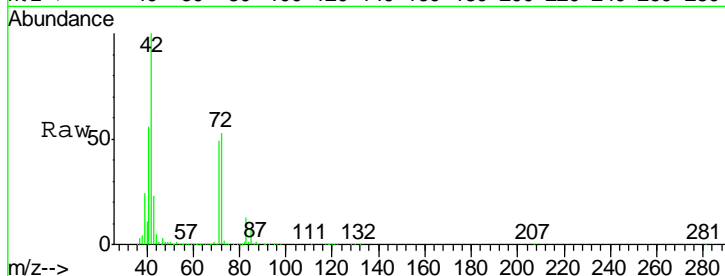
#29
 Tetrahydrofuran
 Concen: 577.38 ug/l
 RT: 4.65 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
42	100		
72	52.8	36.9	55.3
71	49.5	34.5	51.7

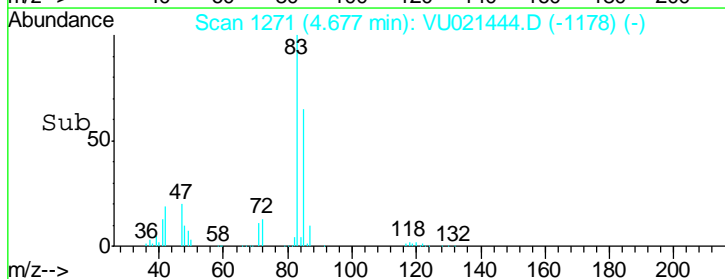
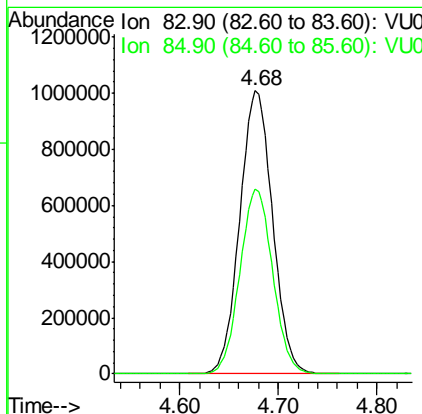
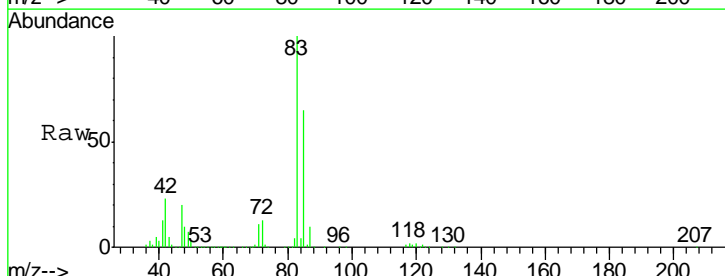
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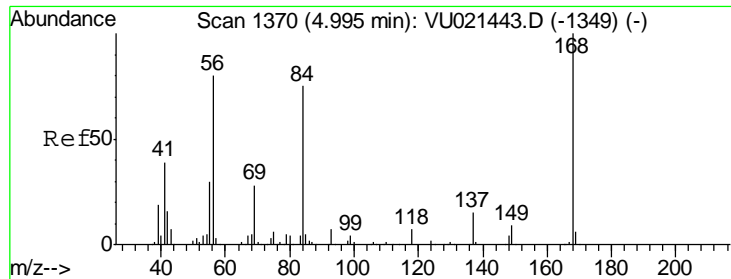
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#30
 Chloroform
 Concen: 102.73 ug/l
 RT: 4.68 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.2	49.9	74.9





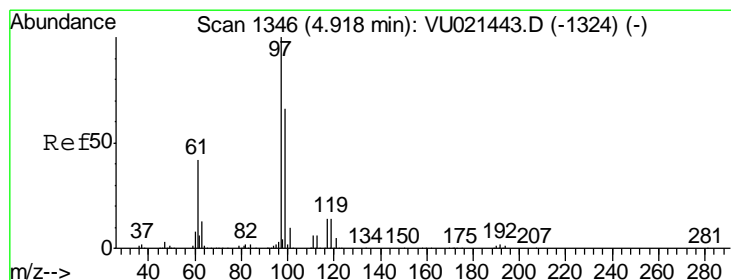
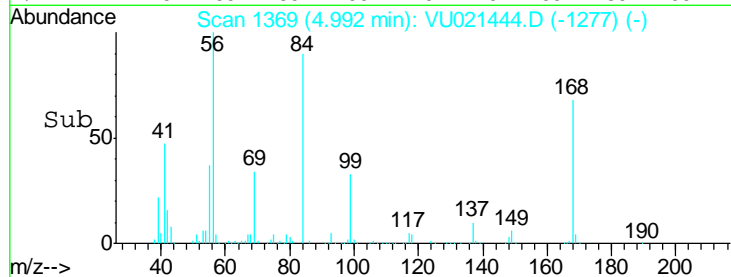
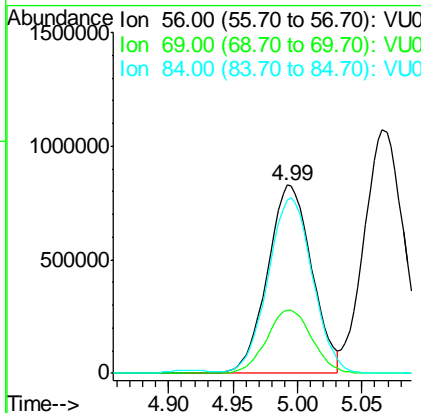
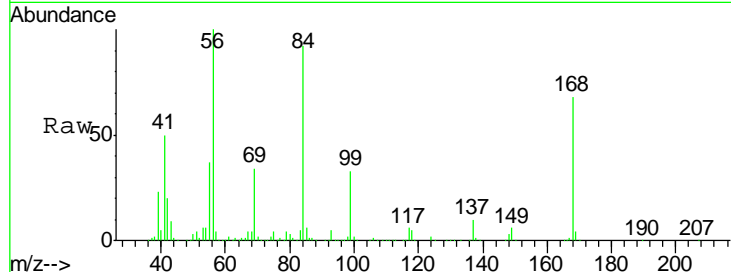
#31
 Cyclohexane
 Concen: 86.19 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion: 56 Resp: 1976517

Ion	Ratio	Lower	Upper
56	100		
69	33.7	26.5	39.7
84	90.7	70.6	105.8

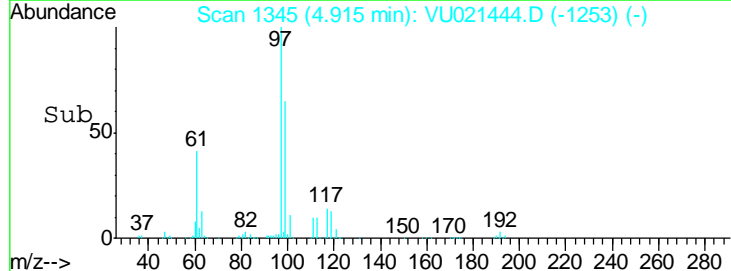
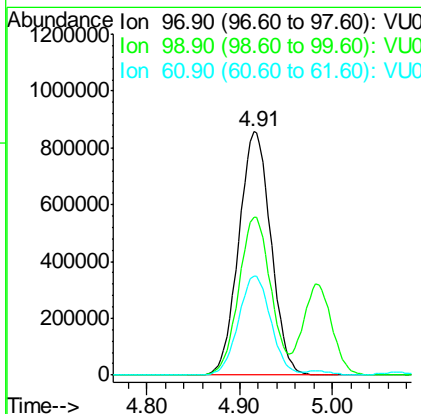
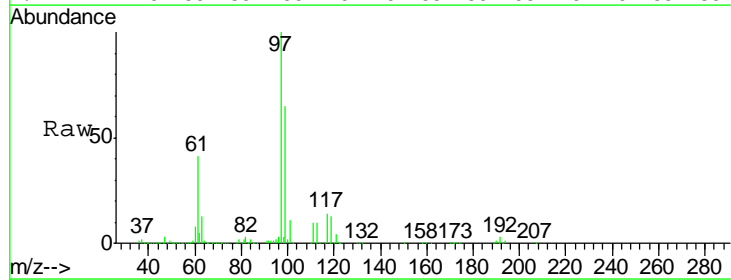
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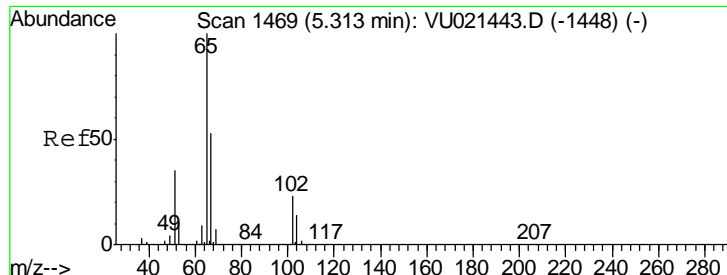


#32
 1,1,1-Trichloroethane
 Concen: 99.15 ug/l
 RT: 4.91 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion: 97 Resp: 2063523

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	41.0	35.0	52.6





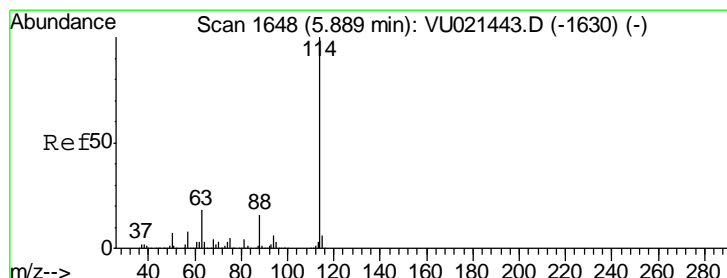
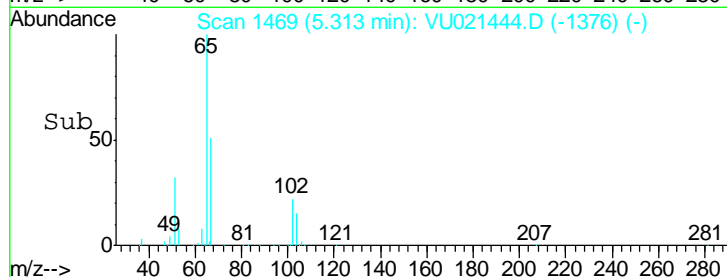
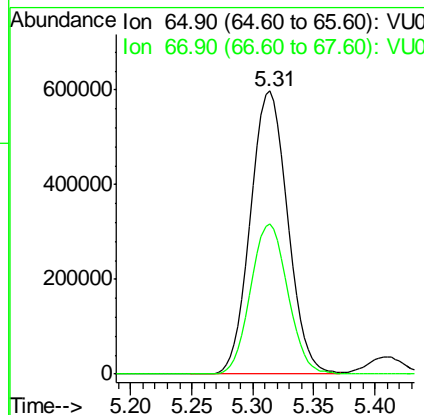
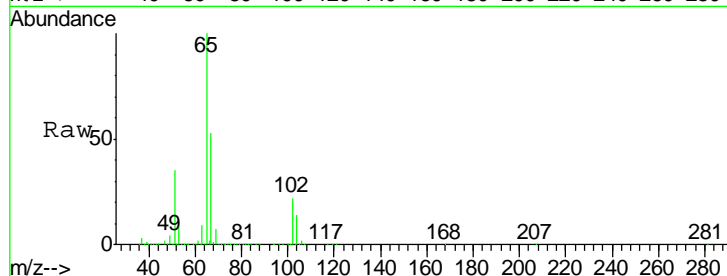
#33
 1,2-Dichloroethane-d4
 Concen: 99.14 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
65	1262535		
65	100		
67	53.1	0.0	109.2

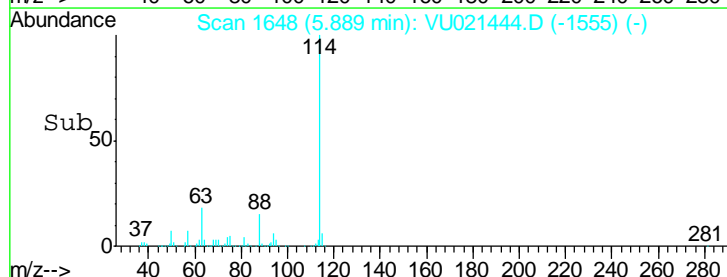
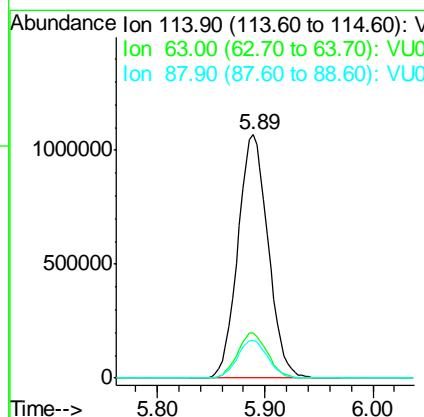
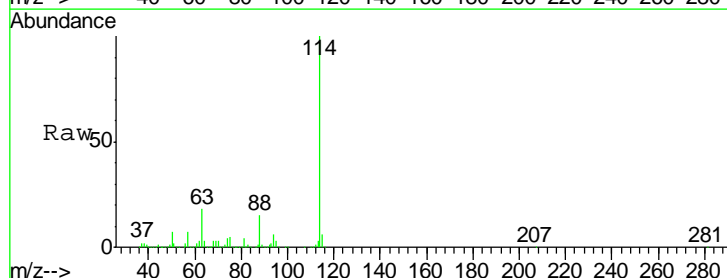
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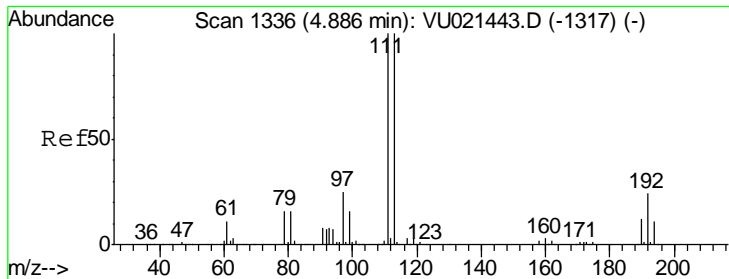
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

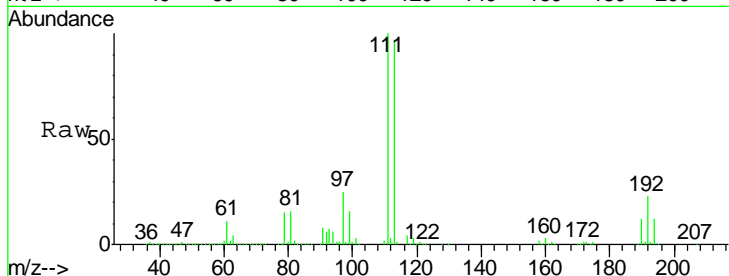
Tgt Ion	Resp	Lower	Upper
114	2084932		
114	100		
63	18.4	0.0	38.6
88	15.5	0.0	29.8





#35
 Dibromofluoromethane
 Concen: 92.95 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

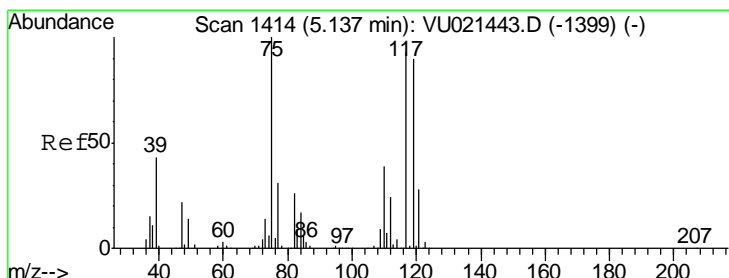
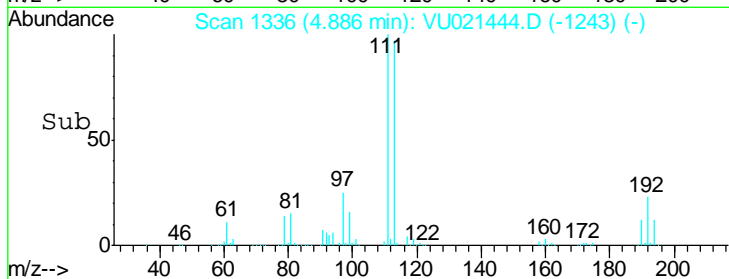
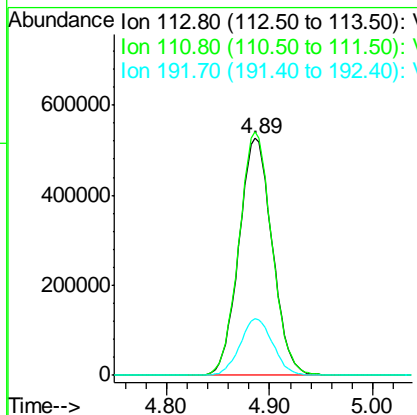


Tgt Ion: 113 Resp: 1183862

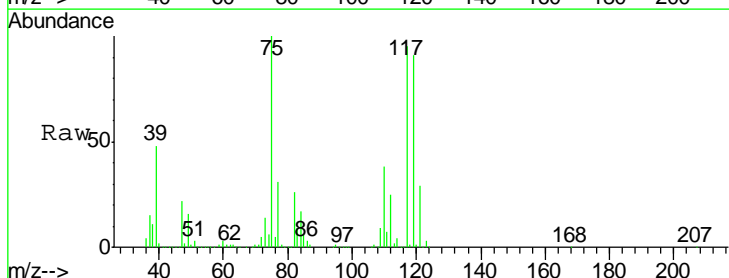
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.2	121.8
192	23.5	18.2	27.2

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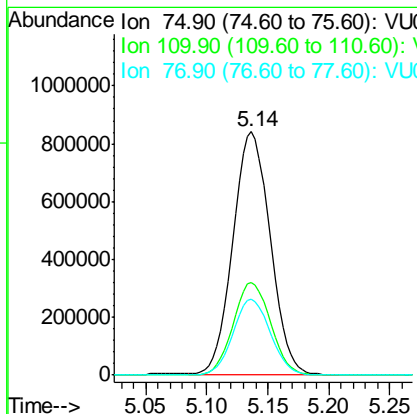
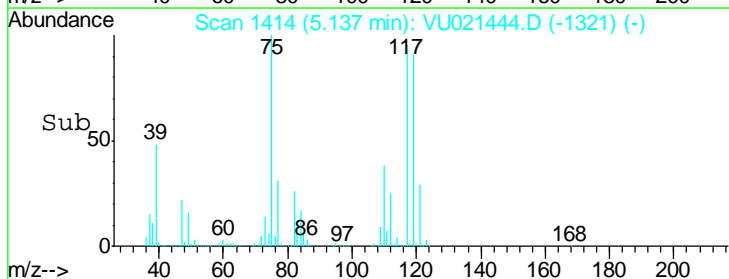


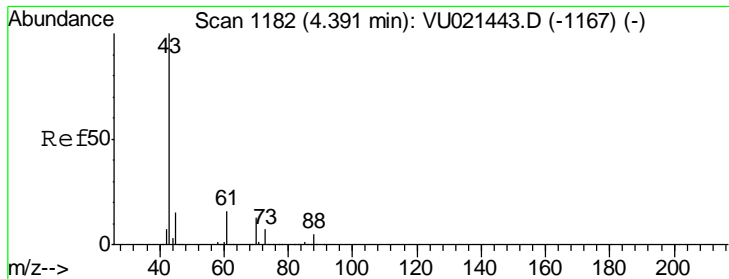
#36
 1,1-Dichloropropene
 Concen: 101.36 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42



Tgt Ion: 75 Resp: 1783387

Ion	Ratio	Lower	Upper
75	100		
110	38.3	18.5	55.5
77	31.2	25.0	37.6





#37
 Ethyl Acetate
 Concen: 113.99 ug/l
 RT: 4.39 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

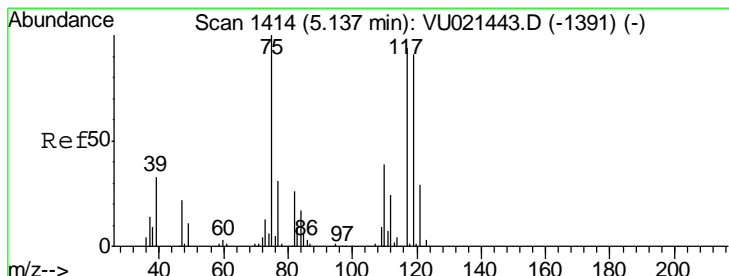
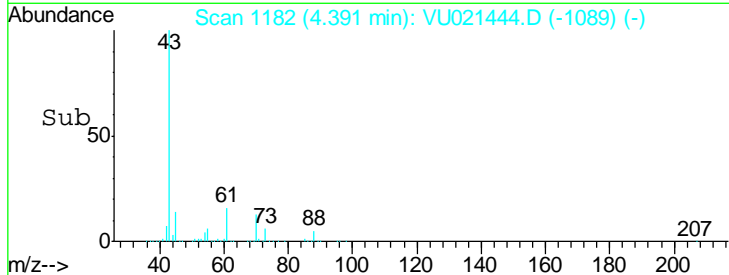
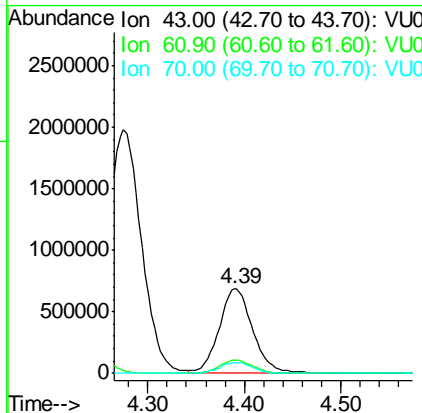
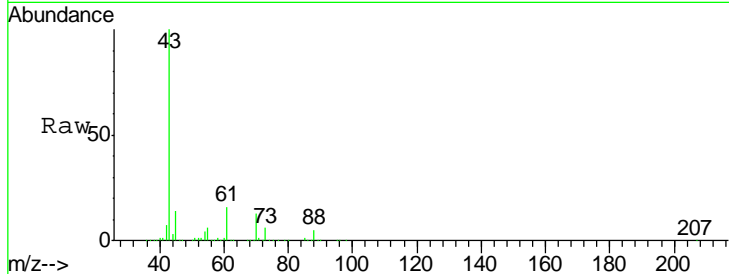
Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion: 43 Resp: 1631995

Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.8
70	12.7	8.6	12.8

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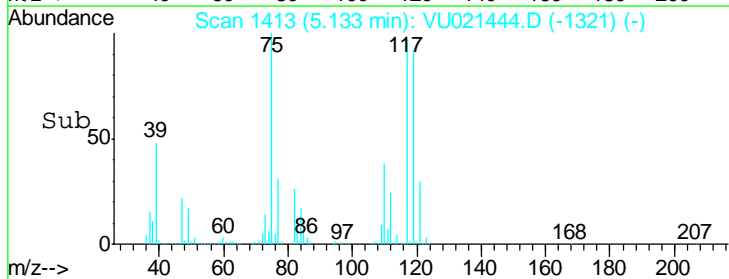
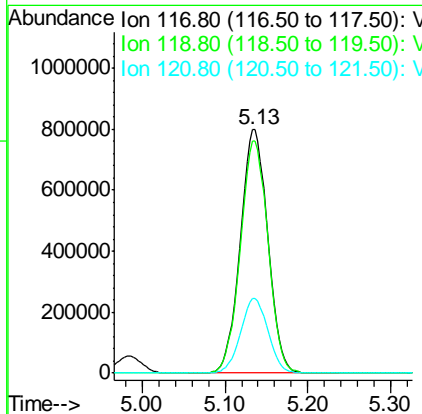
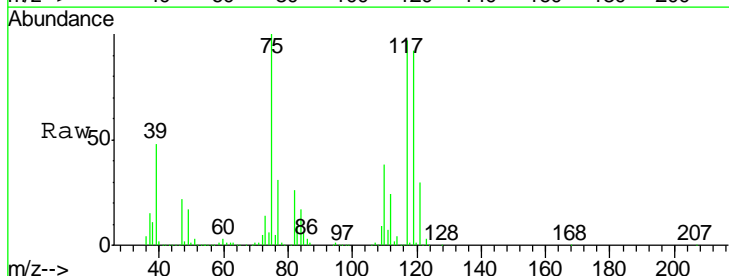
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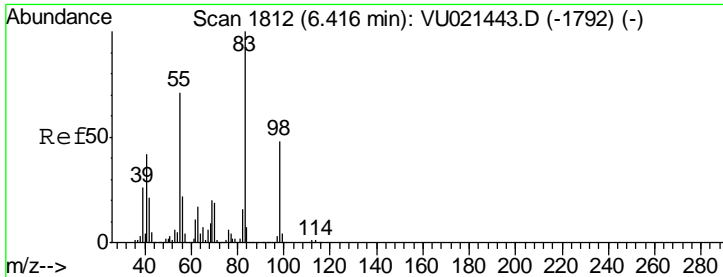


#38
 Carbon Tetrachloride
 Concen: 93.43 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion: 117 Resp: 1836046

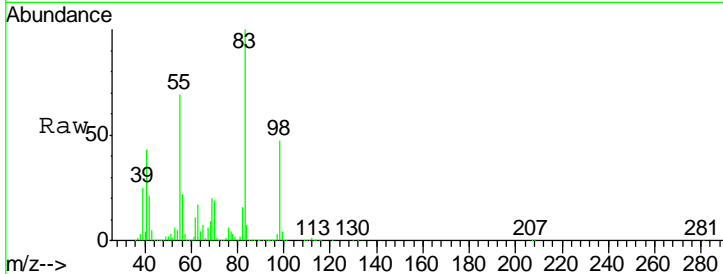
Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.3	115.9
121	30.8	24.9	37.3





#39
 Methylcyclohexane
 Concen: 97.30 ug/l
 RT: 6.42 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

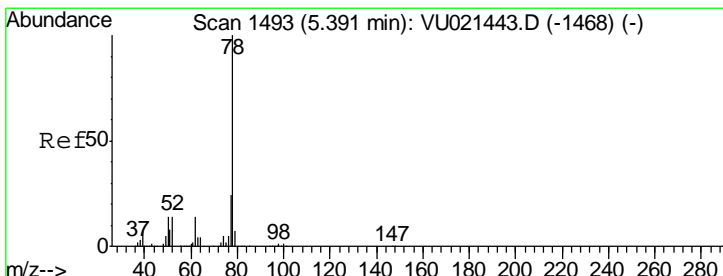
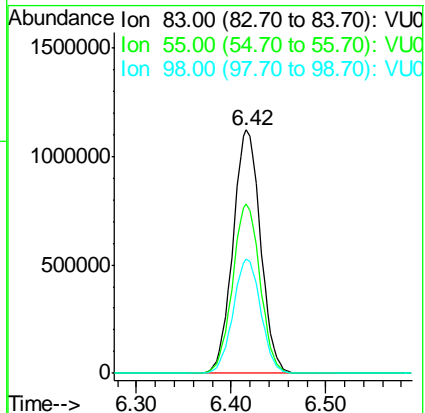
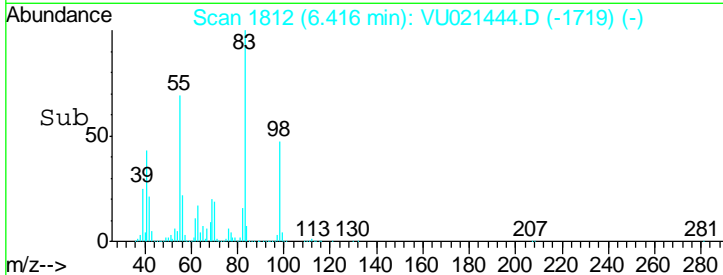
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



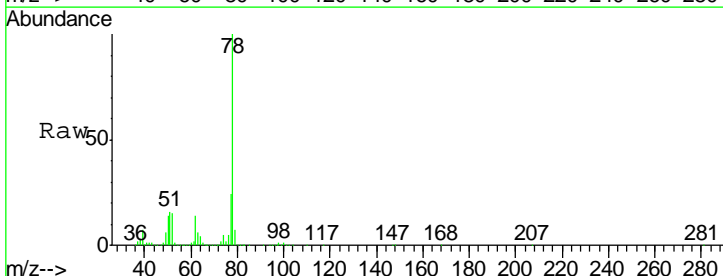
Tgt Ion: 83 Resp: 2264951

Ion	Ratio	Lower	Upper
83	100		
55	69.4	61.6	92.4
98	47.1	37.4	56.2

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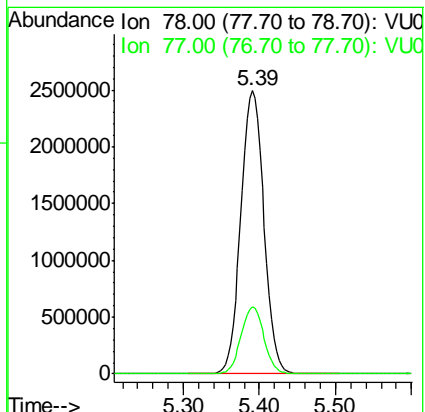
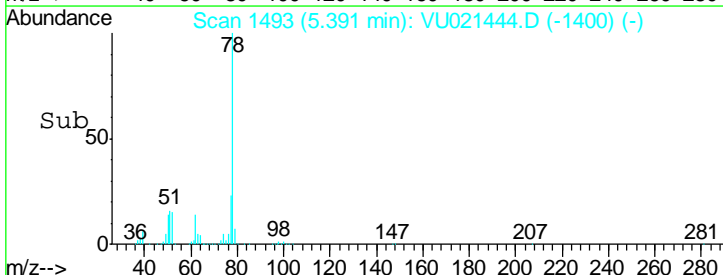


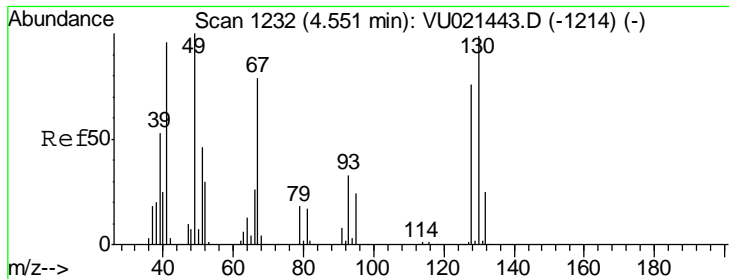
#40
 Benzene
 Concen: 100.21 ug/l
 RT: 5.39 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42



Tgt Ion: 78 Resp: 5246610

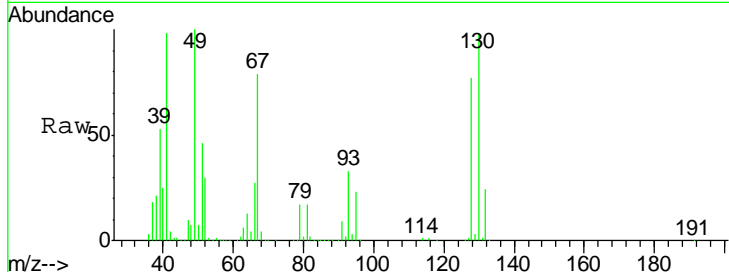
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





#41
 Methacrylonitrile
 Concen: 112.48 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

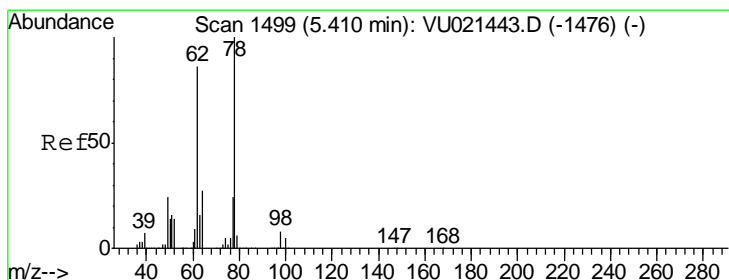
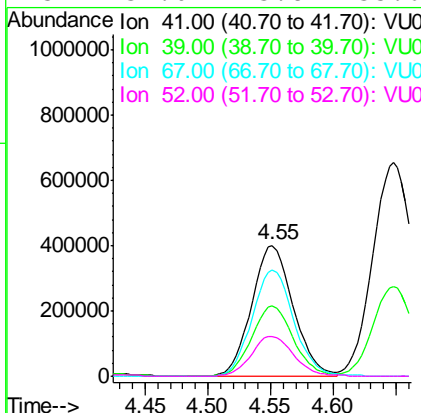
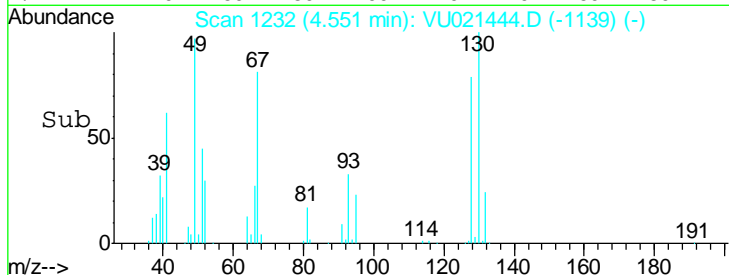
Instrument : MSVOA_U
 ClientSampled : VSTDIC100



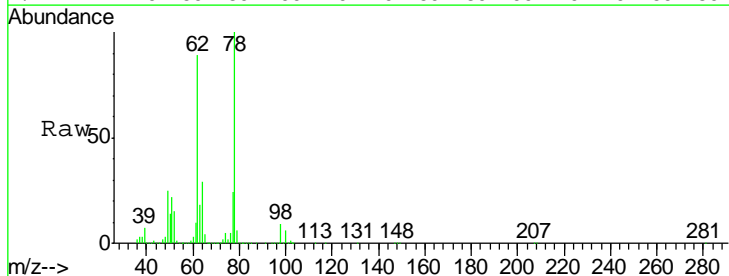
Tgt Ion: 41 Resp: 921464

Ion	Ratio	Lower	Upper
41	100		
39	53.9	41.5	62.3
67	82.3	61.0	91.6
52	31.0	23.8	35.6

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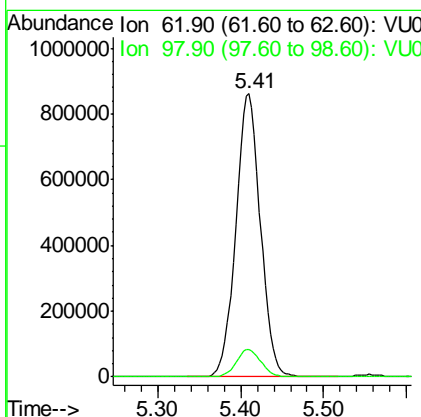
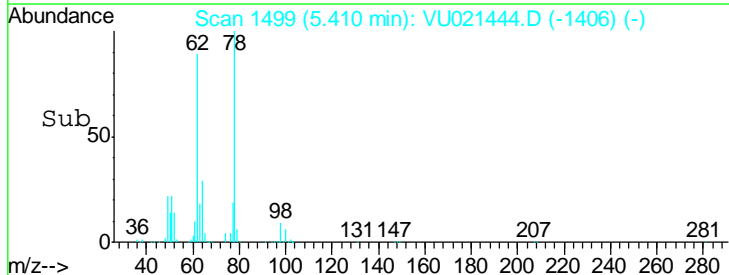


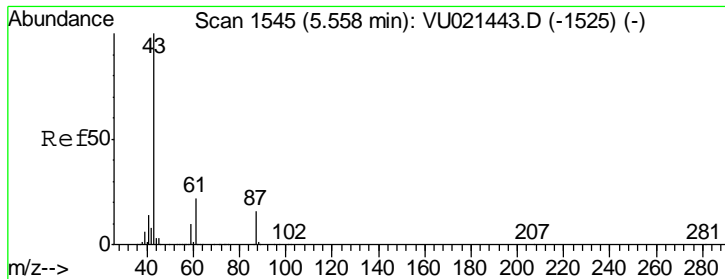
#42
 1,2-Dichloroethane
 Concen: 100.15 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42



Tgt Ion: 62 Resp: 1778683

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4





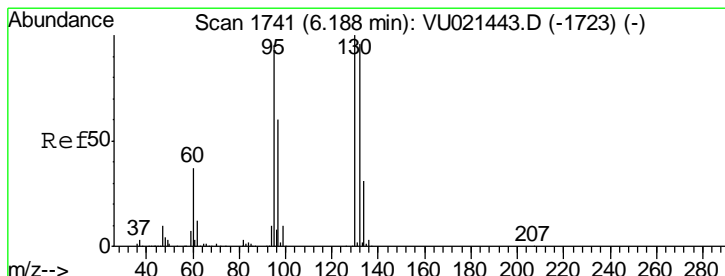
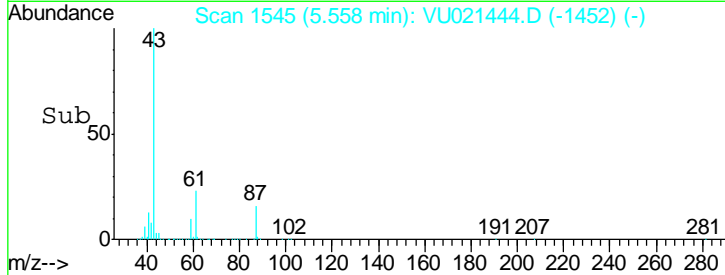
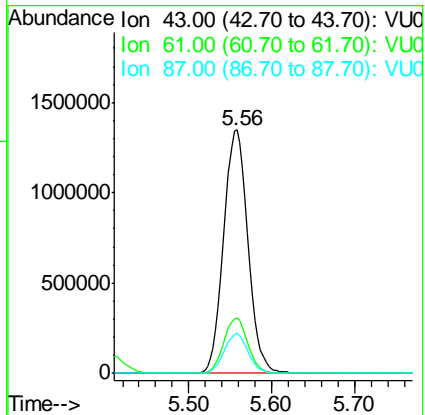
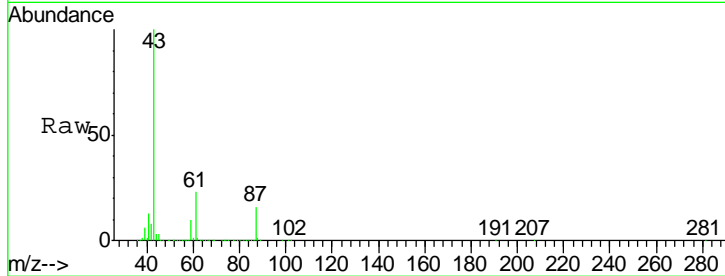
#43
 Isopropyl Acetate
 Concen: 106.63 ug/l
 RT: 5.56 min Scan# 1545
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion: 43 Resp: 2737381

Ion	Ratio	Lower	Upper
43	100		
61	22.4	16.5	24.7
87	16.0	11.4	17.0

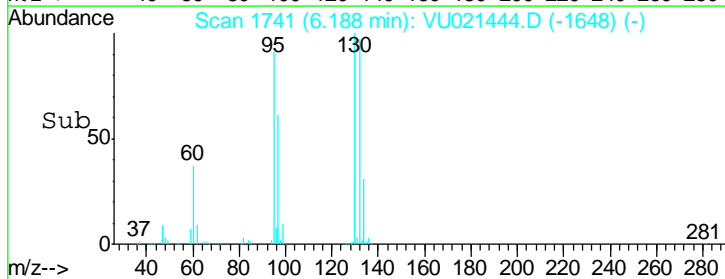
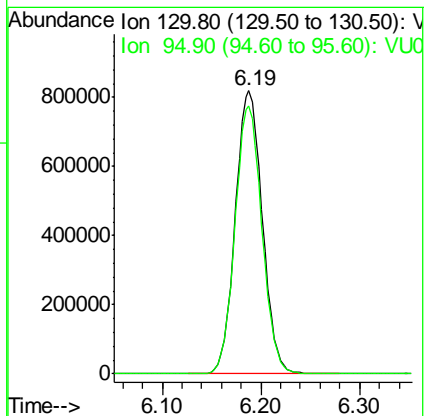
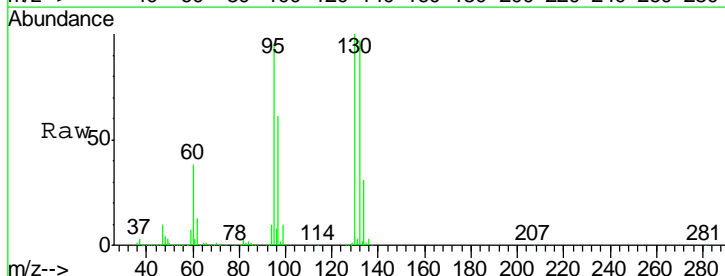
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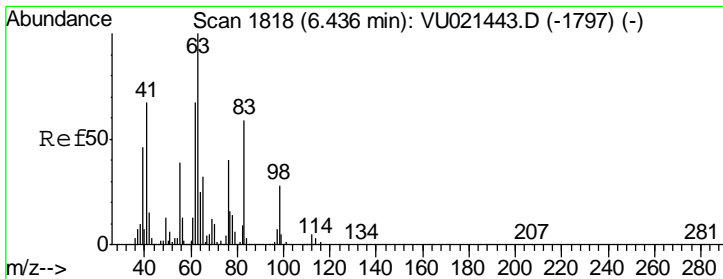


#44
 Trichloroethene
 Concen: 94.05 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion: 130 Resp: 1558634

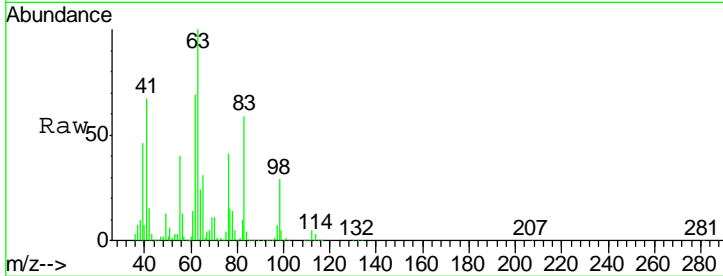
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	197.8





#45
 1,2-Dichloropropane
 Concen: 101.47 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

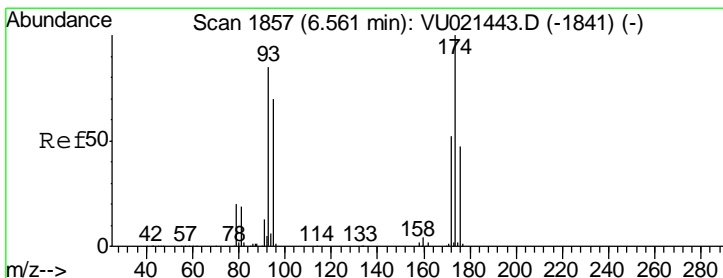
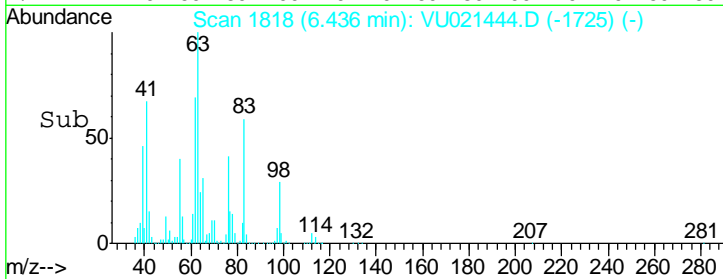
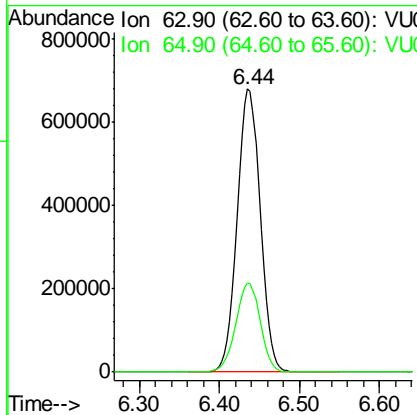
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



Tgt Ion: 63 Resp: 1322105
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 37.0

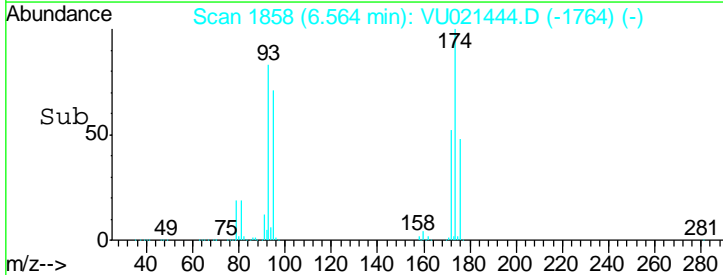
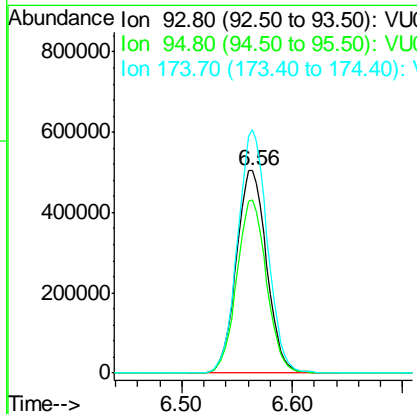
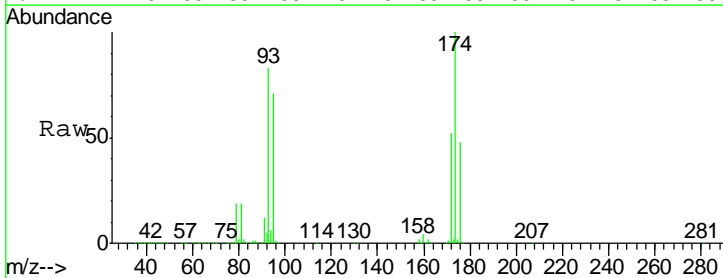
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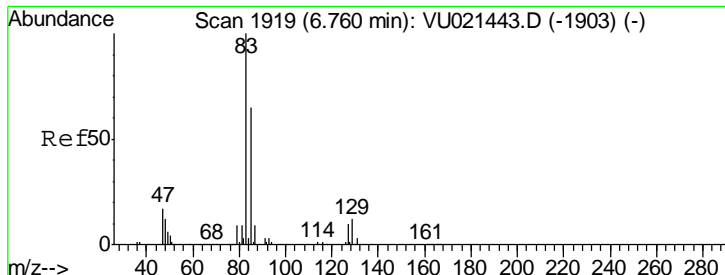
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#46
 Dibromomethane
 Concen: 98.95 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion: 93 Resp: 960688
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.1 99.1
 174 118.2 88.5 132.7





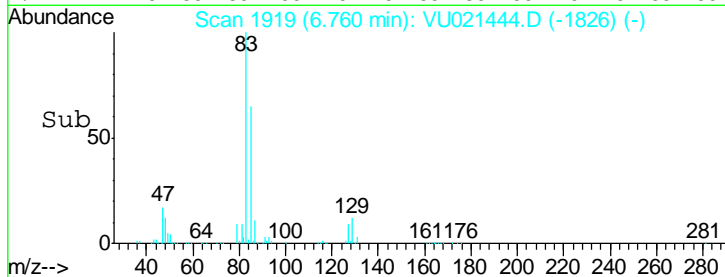
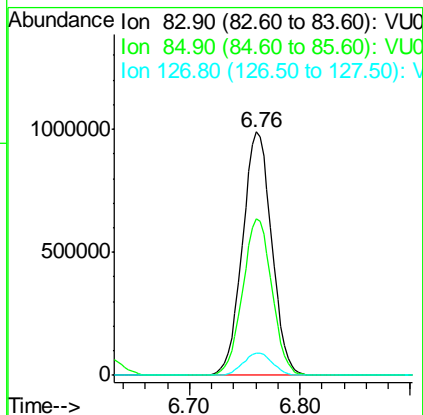
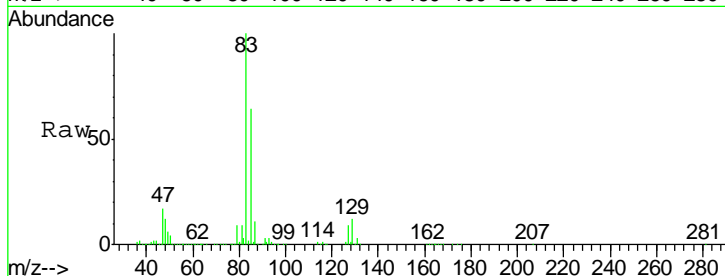
#47
 Bromodichloromethane
 Concen: 99.35 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	1813666		
85	64.3	51.4	77.0
127	9.1	7.0	10.6

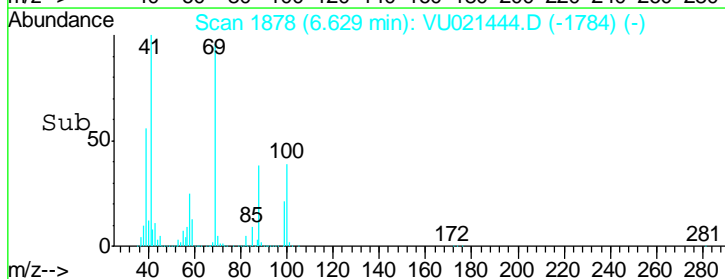
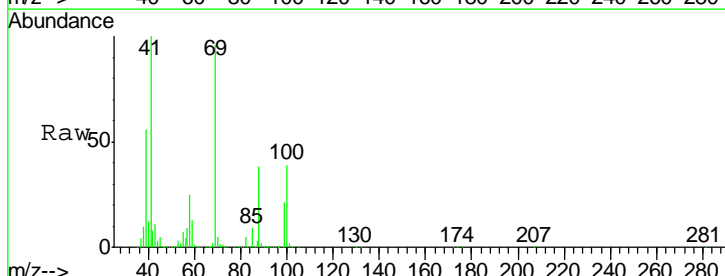
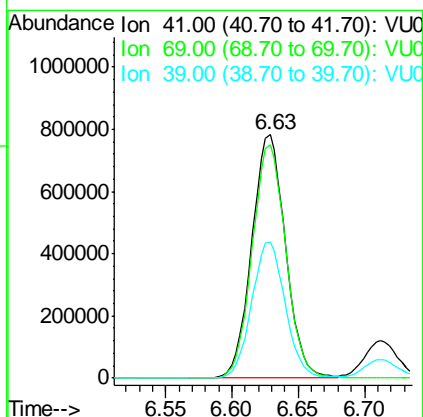
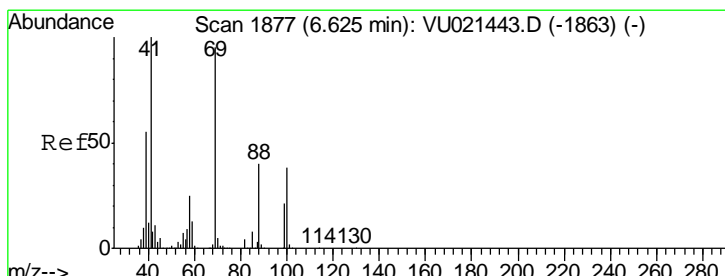
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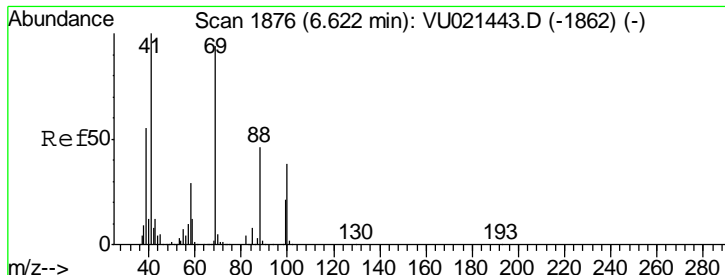
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#48
 Methyl methacrylate
 Concen: 112.15 ug/l
 RT: 6.63 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
41	1383496		
69	96.4	70.6	105.8
39	55.5	41.6	62.4





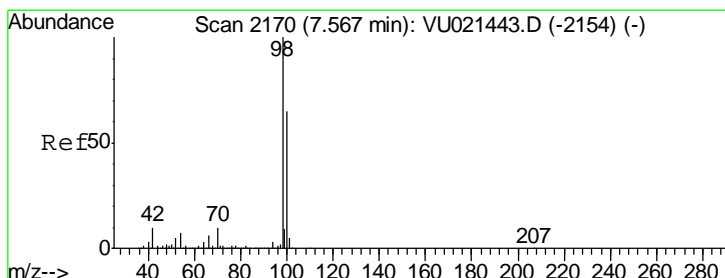
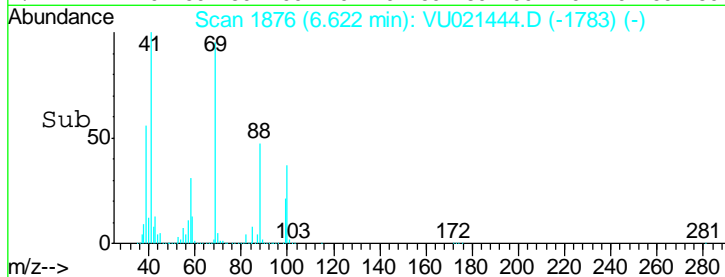
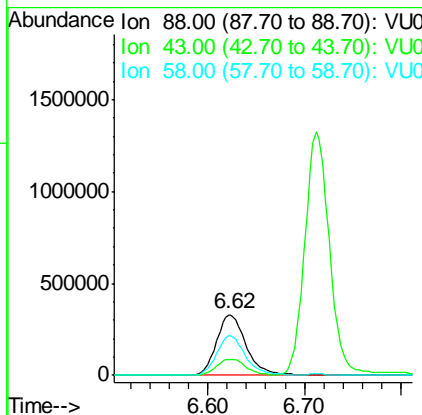
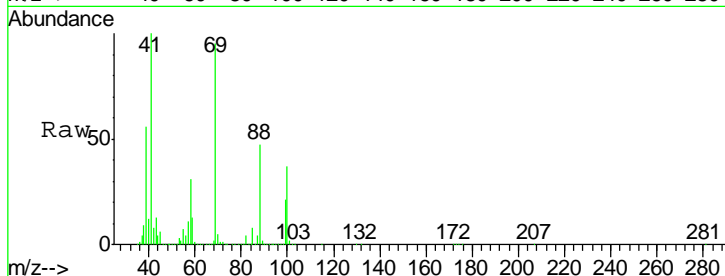
#49
 1,4-Dioxane
 Concen: 2205.50 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
88	686515		
88	100		
43	26.9	23.7	35.5
58	65.1	57.4	86.0

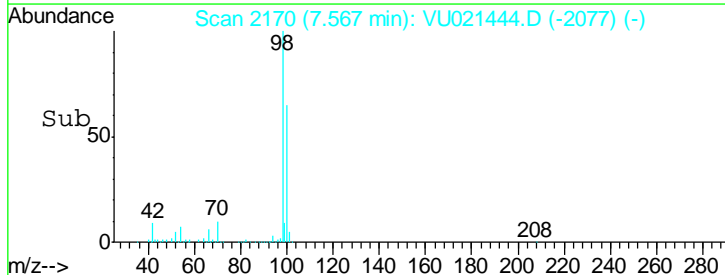
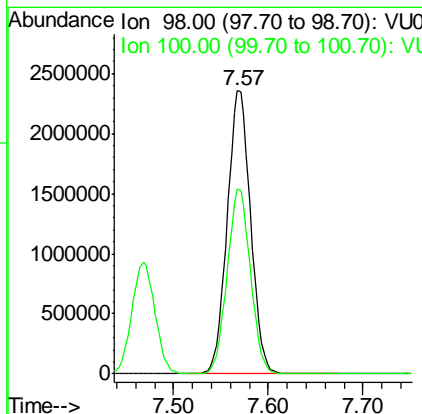
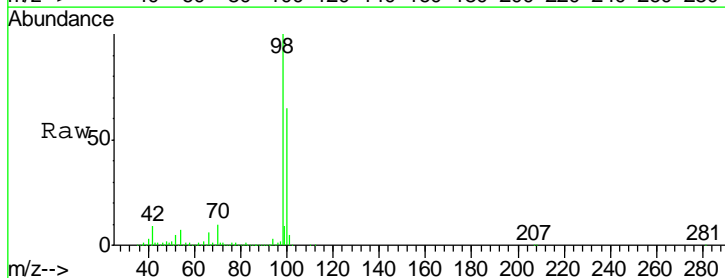
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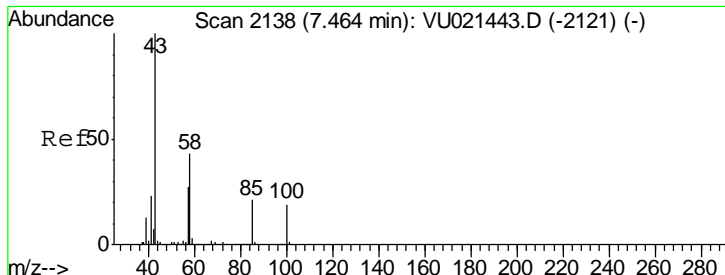
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#50
 Toluene-d8
 Concen: 94.76 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

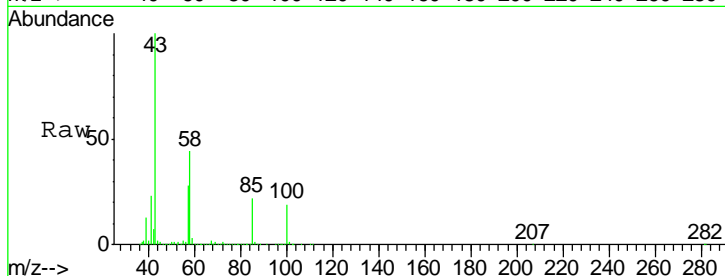
Tgt Ion	Resp	Lower	Upper
98	4044749		
98	100		
100	65.0	50.5	75.7





#51
 4-Methyl-2-Pentanone
 Concen: 548.22 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

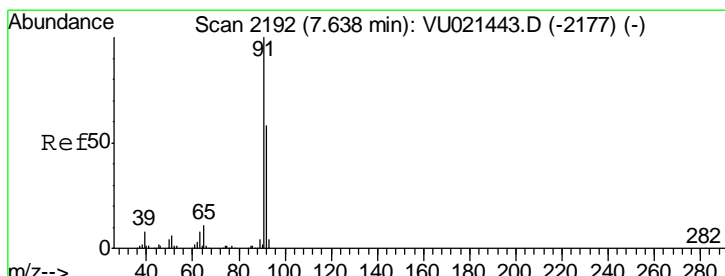
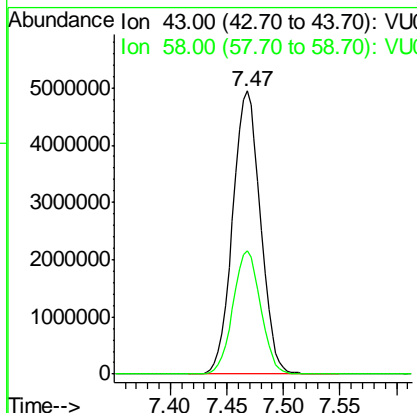
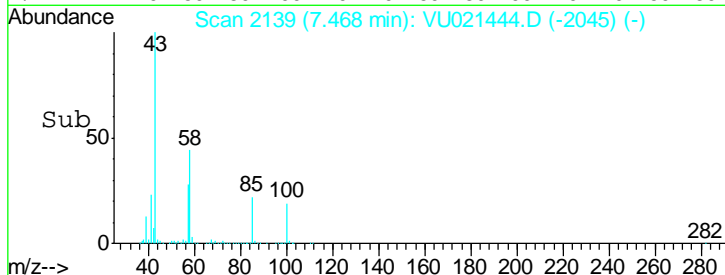
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



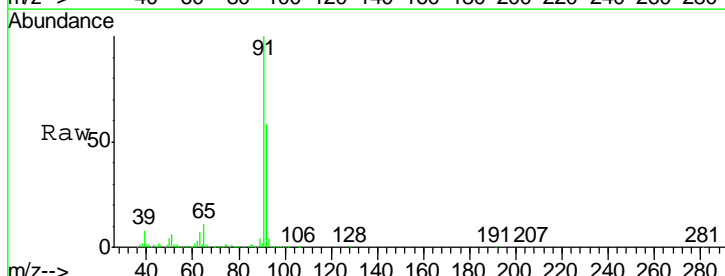
Tgt Ion: 43 Resp: 8465098
 Ion Ratio Lower Upper
 43 100
 58 43.3 32.4 48.6

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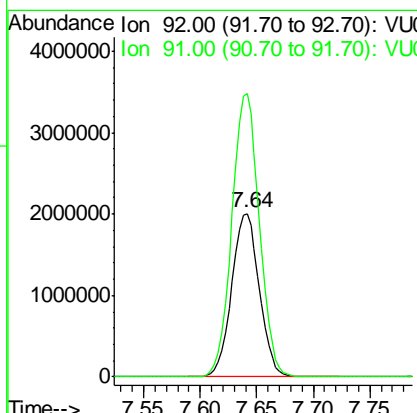
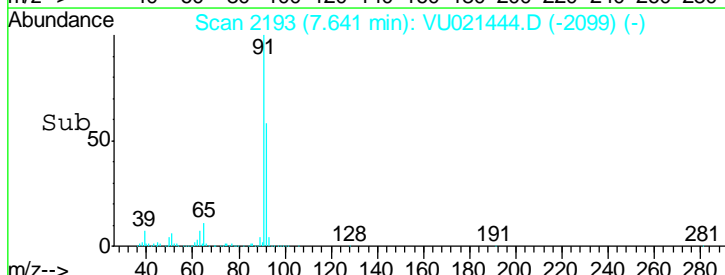
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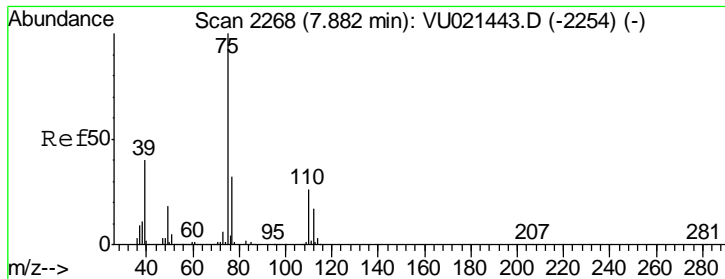


#52
 Toluene
 Concen: 98.05 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42



Tgt Ion: 92 Resp: 3393553
 Ion Ratio Lower Upper
 92 100
 91 173.2 139.7 209.5





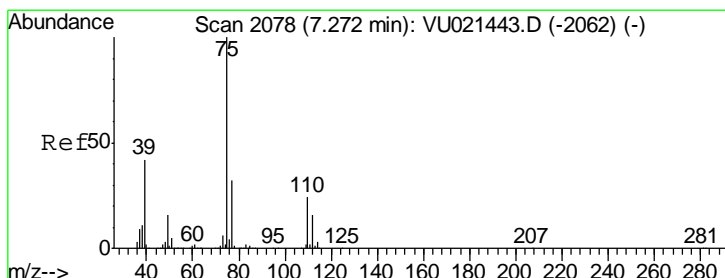
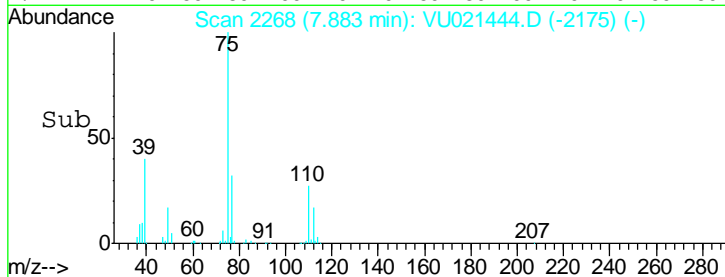
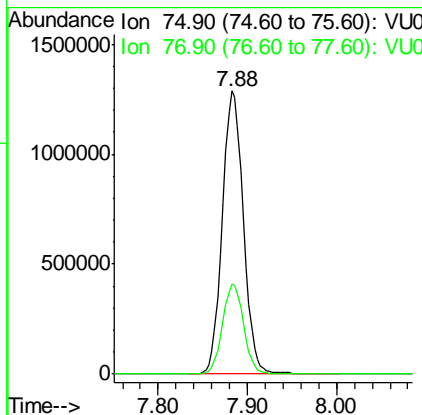
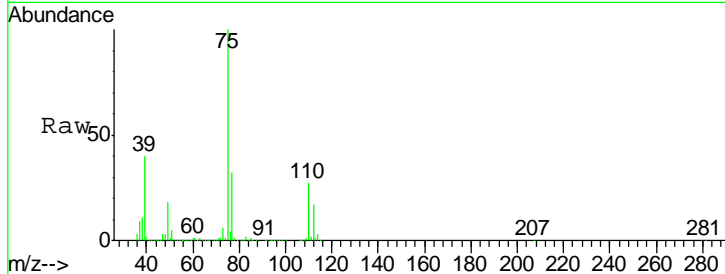
#53
 t-1,3-Dichloropropene
 Concen: 103.23 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.9	24.9	37.3

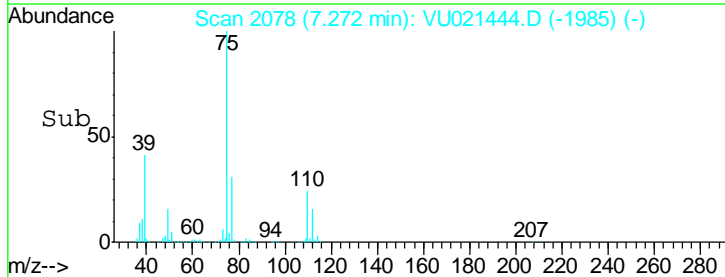
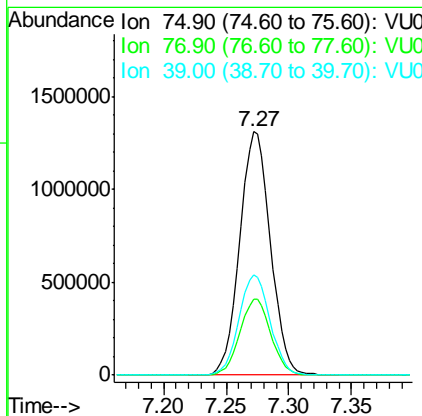
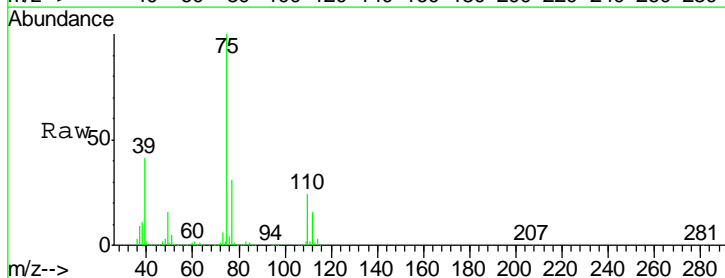
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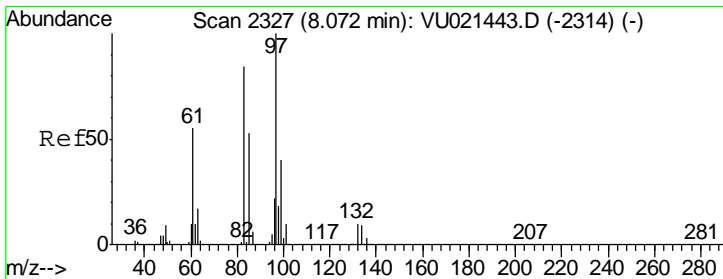
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#54
 cis-1,3-Dichloropropene
 Concen: 102.78 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

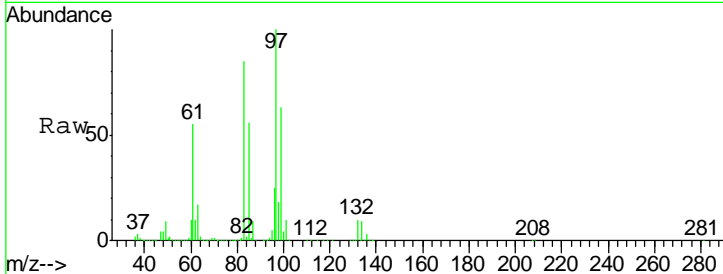
Tgt Ion	Resp	Lower	Upper
75	100		
77	31.2	25.5	38.3
39	41.3	34.2	51.4





#55
 1,1,2-Trichloroethane
 Concen: 97.93 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

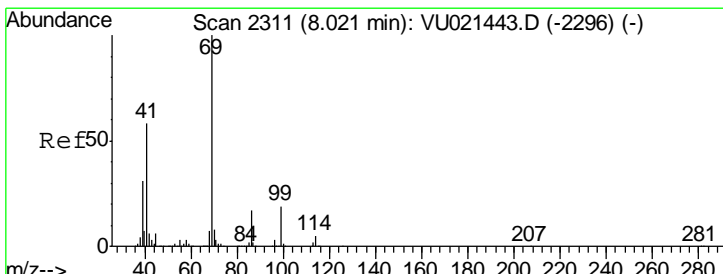
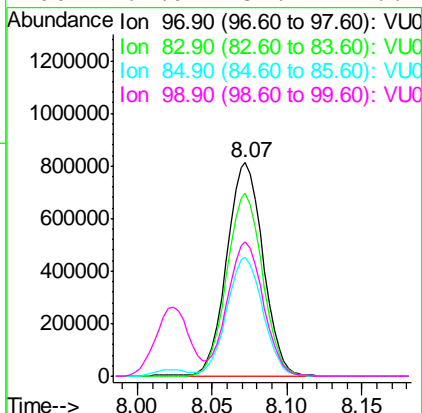
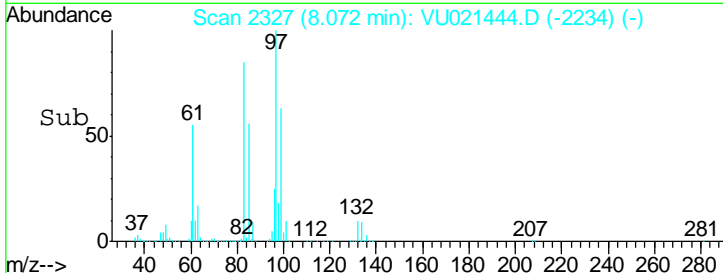
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



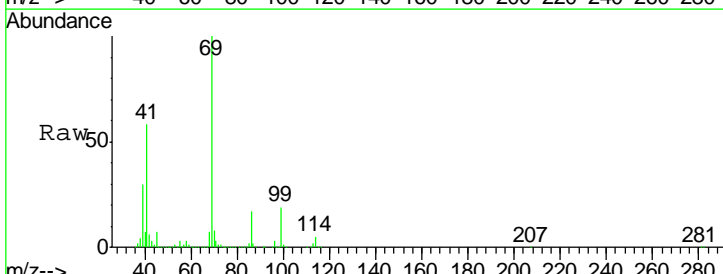
Tgt Ion: 97 Resp: 1362358

Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.6	106.0
85	55.6	46.8	70.2
99	62.9	51.1	76.7

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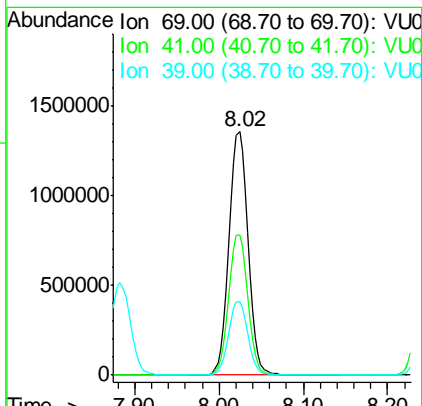
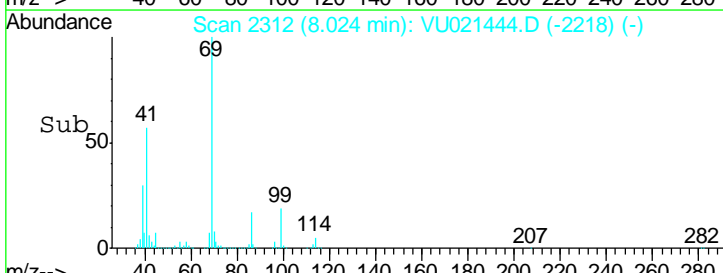


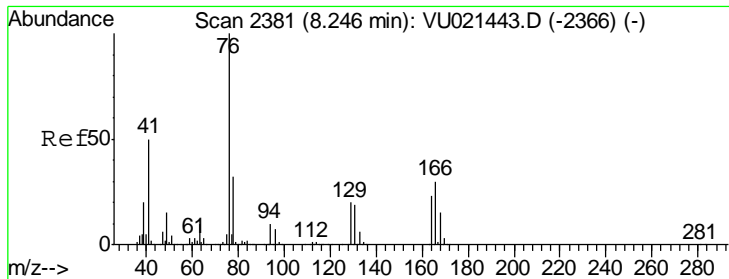
#56
 Ethyl methacrylate
 Concen: 110.66 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42



Tgt Ion: 69 Resp: 2137667

Ion	Ratio	Lower	Upper
69	100		
41	57.6	50.1	75.1
39	30.2	25.2	37.8





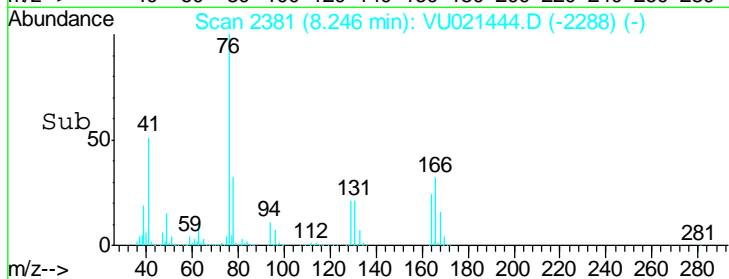
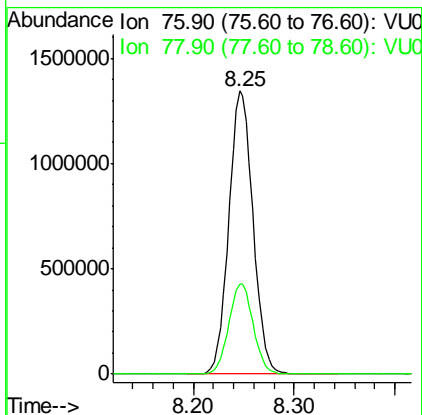
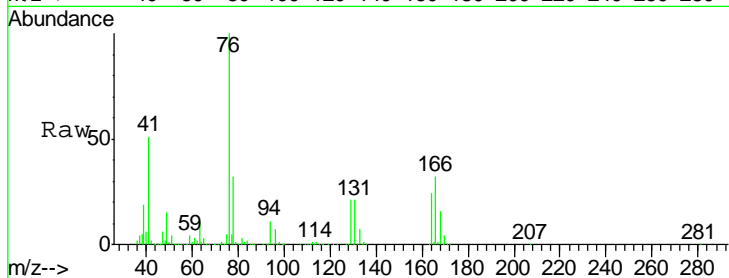
#57
 1,3-Dichloropropane
 Concen: 103.27 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion: 76 Resp: 2249023

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

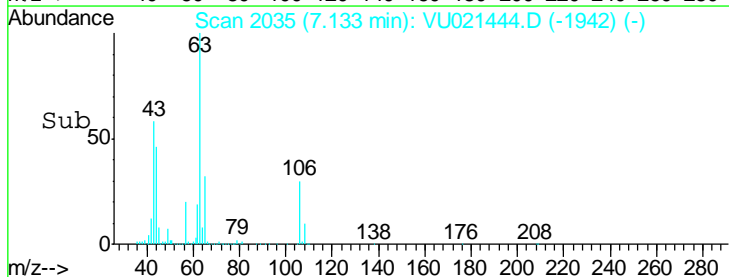
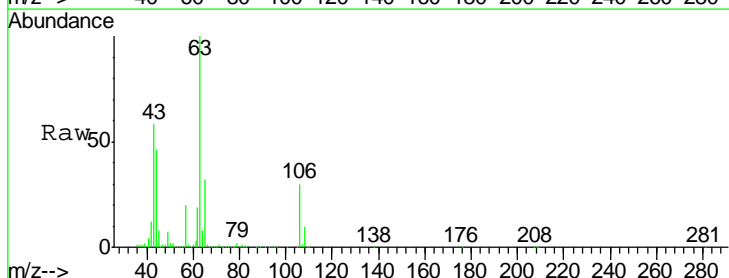
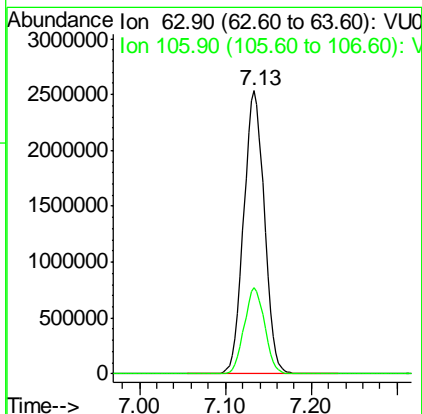
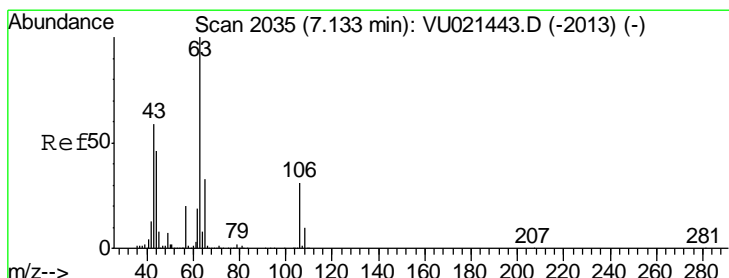
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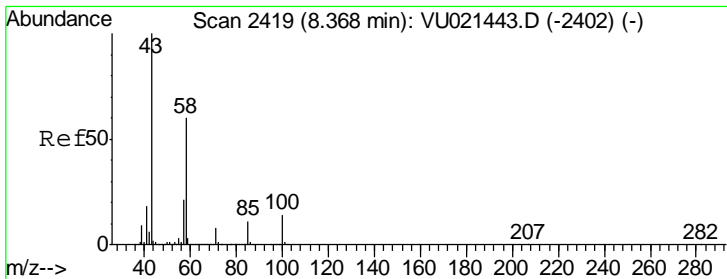


#58
 2-Chloroethyl Vinyl ether
 Concen: 661.41 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion: 63 Resp: 4231068

Ion	Ratio	Lower	Upper
63	100		
106	30.3	21.8	32.8





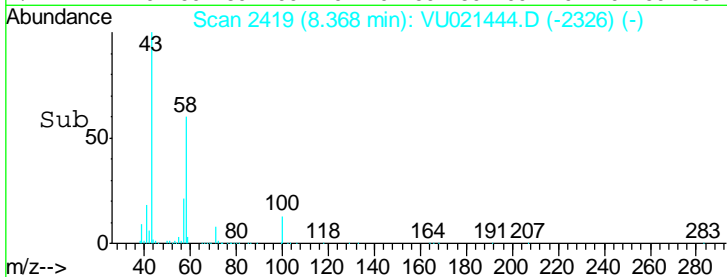
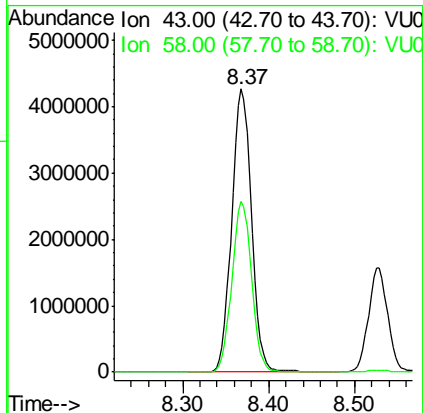
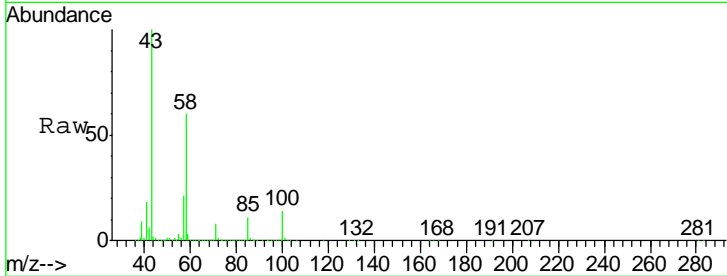
#59
 2-Hexanone
 Concen: 561.61 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	60.2	27.9	83.7

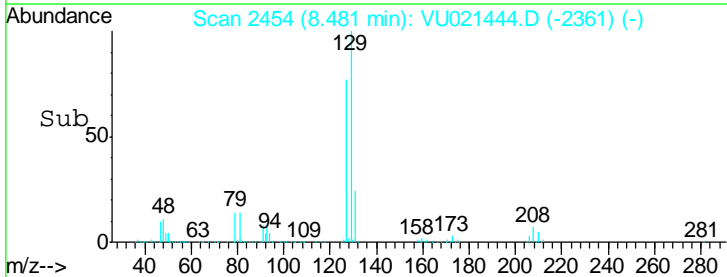
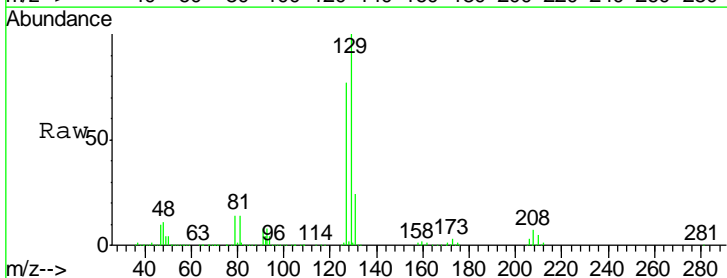
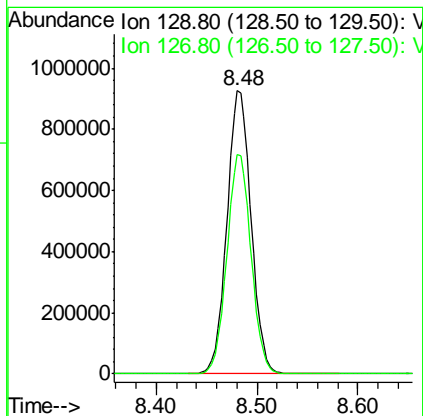
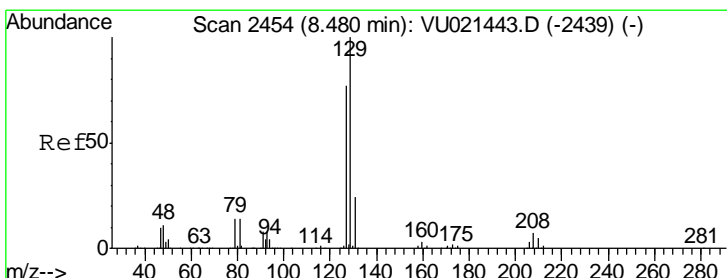
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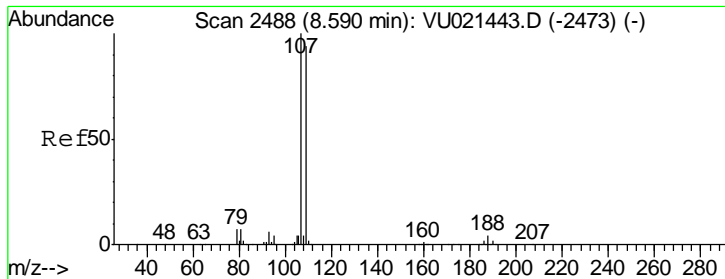
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#60
 Dibromochloromethane
 Concen: 95.33 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.5	38.2	114.6





#61
 1,2-Dibromoethane
 Concen: 100.83 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

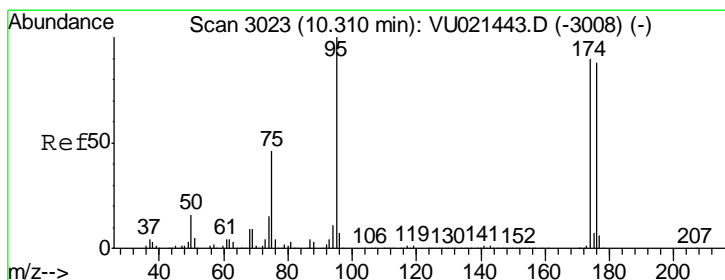
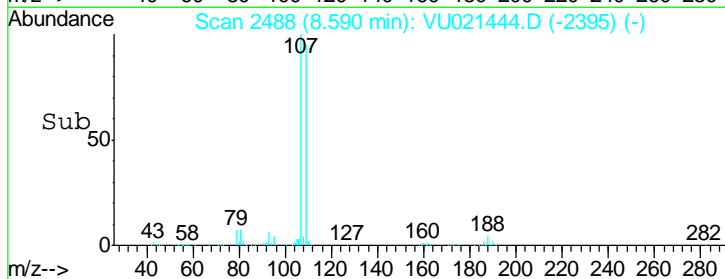
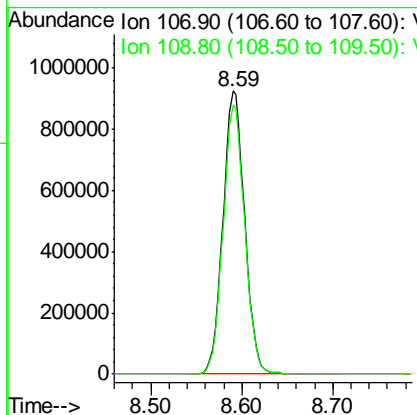
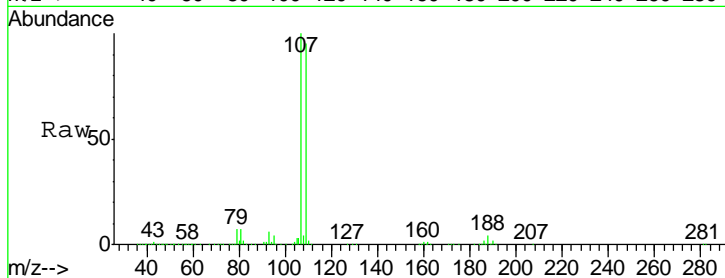
Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion: 107 Resp: 1532493

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.0	114.0

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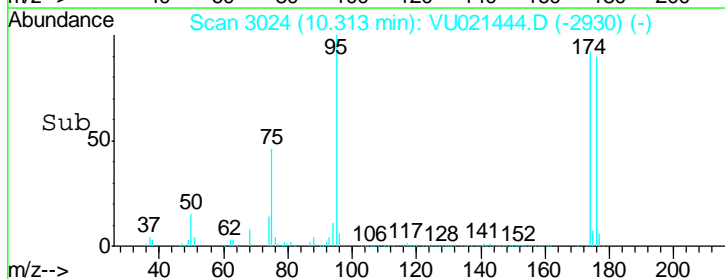
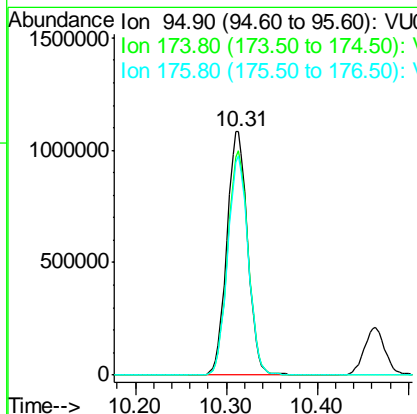
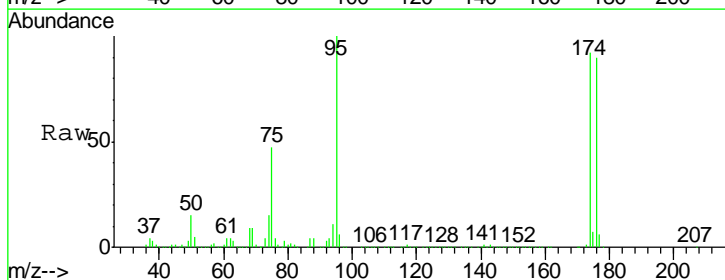
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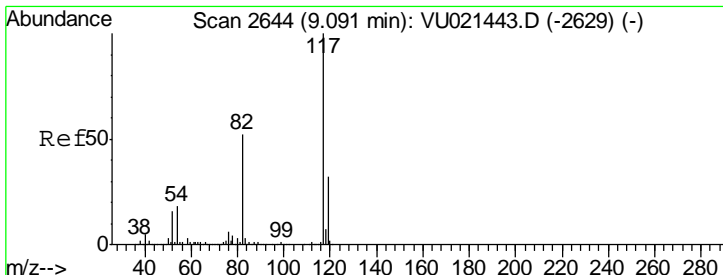


#62
 4-Bromofluorobenzene
 Concen: 94.49 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion: 95 Resp: 1725341

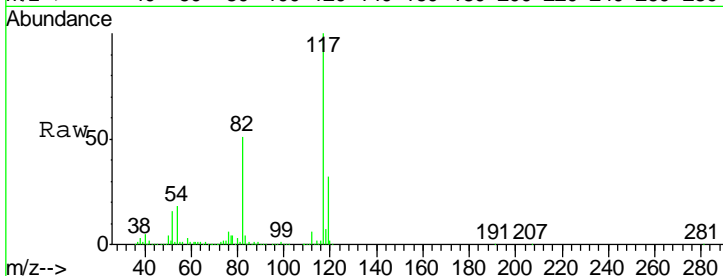
Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	185.4
176	89.1	0.0	178.4





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

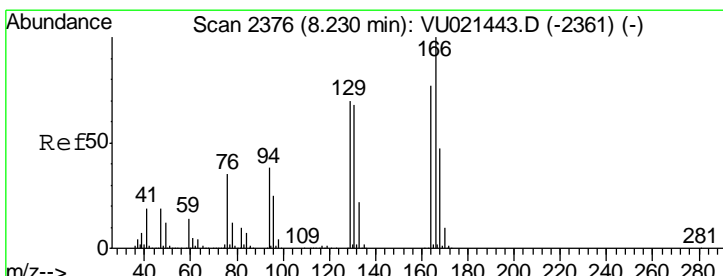
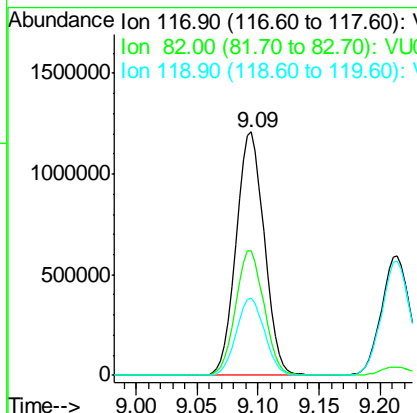
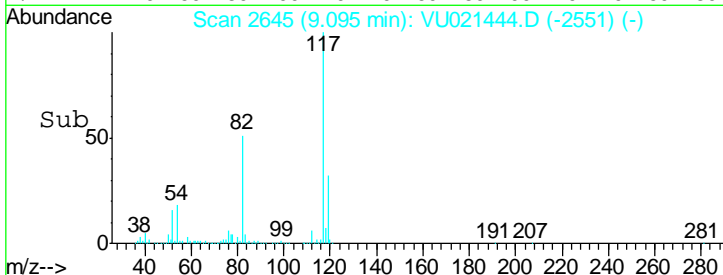
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



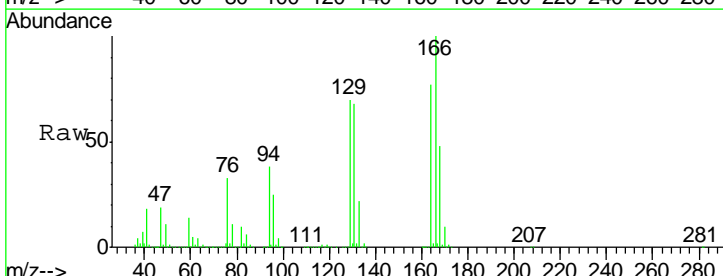
Tgt Ion: 117 Resp: 1934705

Ion	Ratio	Lower	Upper
117	100		
82	51.1	43.0	64.4
119	31.6	25.6	38.4

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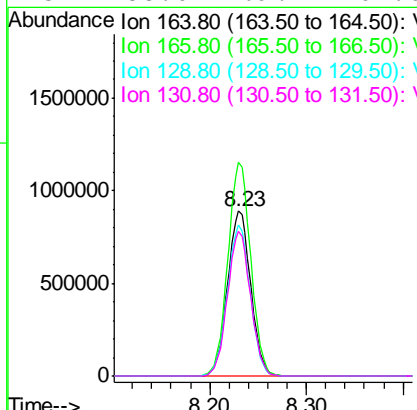
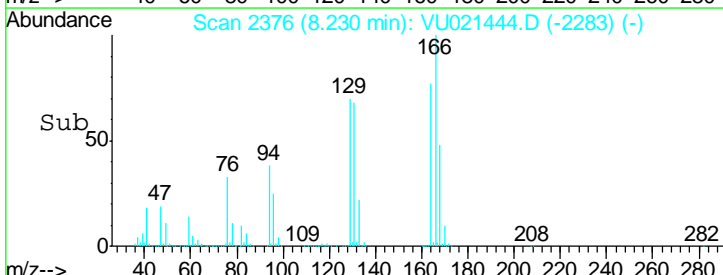


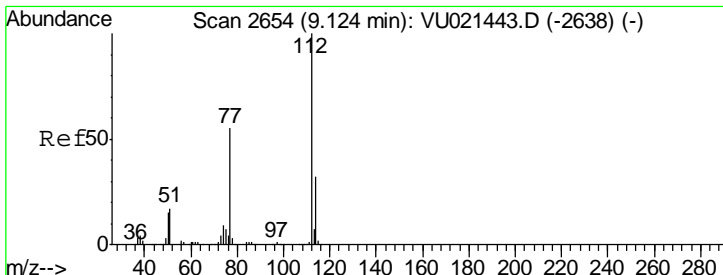
#64
 Tetrachloroethene
 Concen: 89.44 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42



Tgt Ion: 164 Resp: 1470351

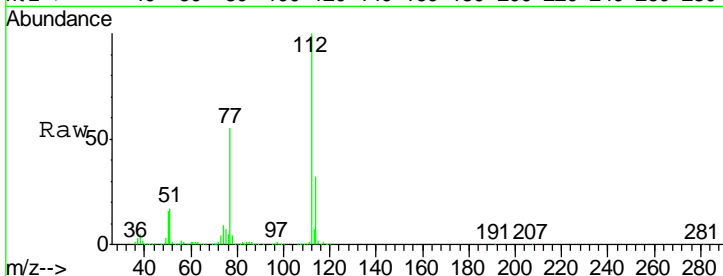
Ion	Ratio	Lower	Upper
164	100		
166	129.7	102.3	153.5
129	91.4	71.4	107.2
131	88.0	69.4	104.0





#65
 Chlorobenzene
 Concen: 98.80 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

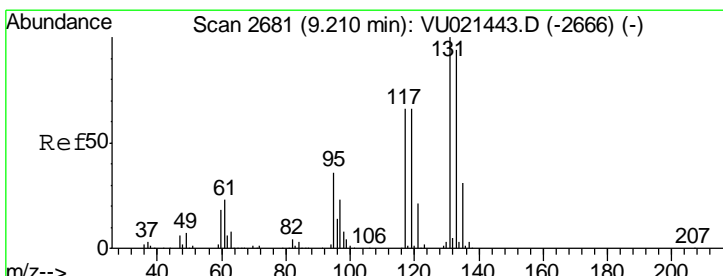
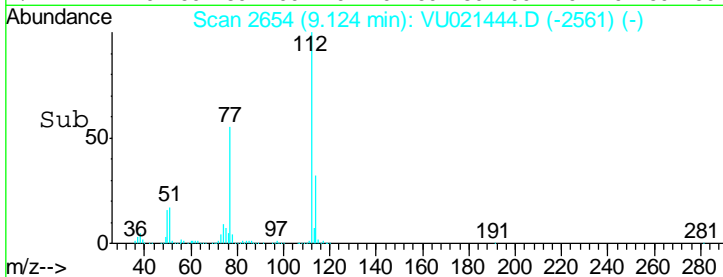
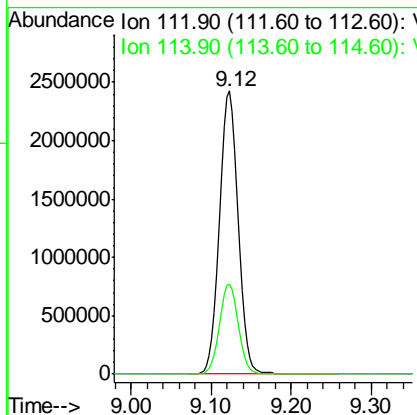


Tgt Ion: 112 Resp: 3960064

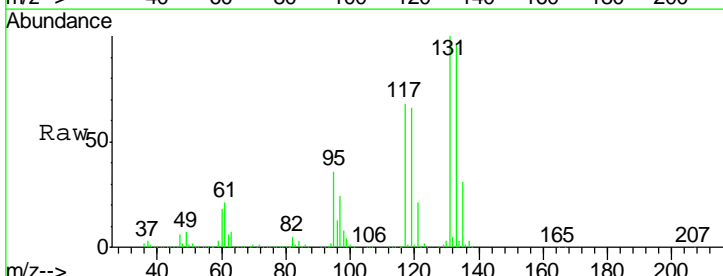
Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.6	38.4

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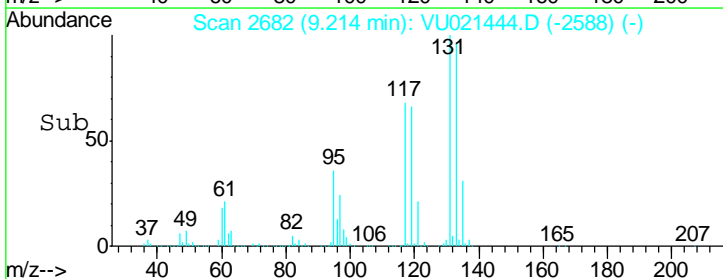
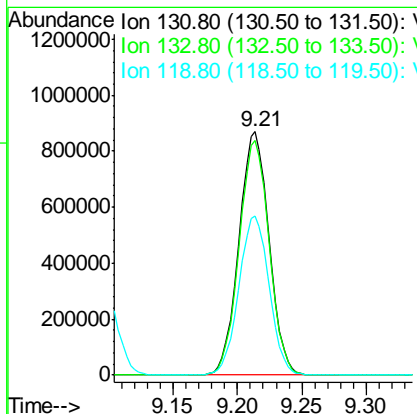


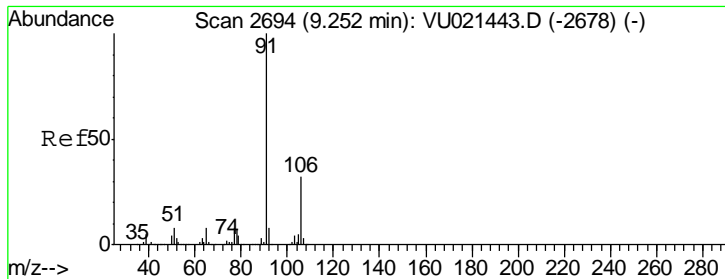
#66
 1,1,1,2-Tetrachloroethane
 Concen: 94.93 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42



Tgt Ion: 131 Resp: 1417782

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.2	141.6
119	65.4	32.1	96.5





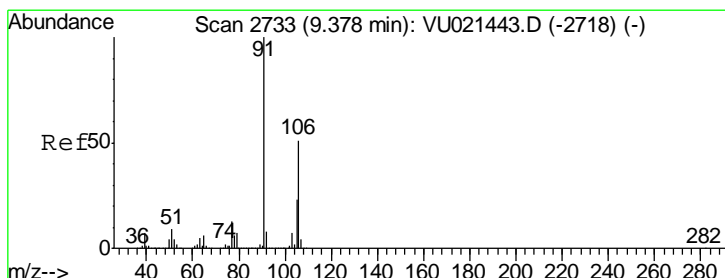
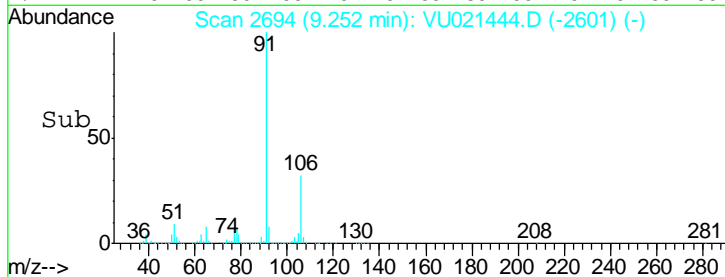
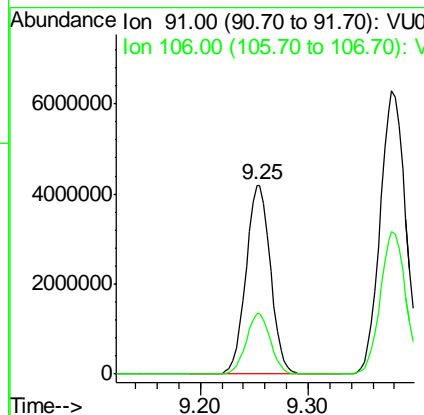
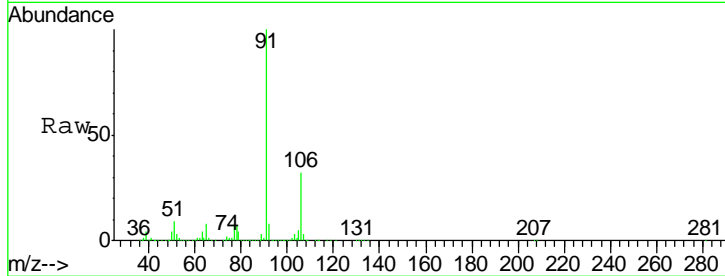
#67
 Ethyl Benzene
 Concen: 98.68 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
106	32.0	25.0	37.4

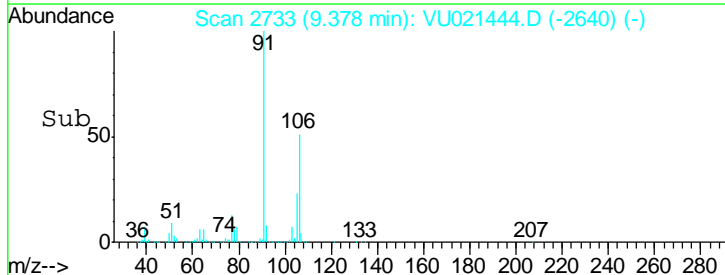
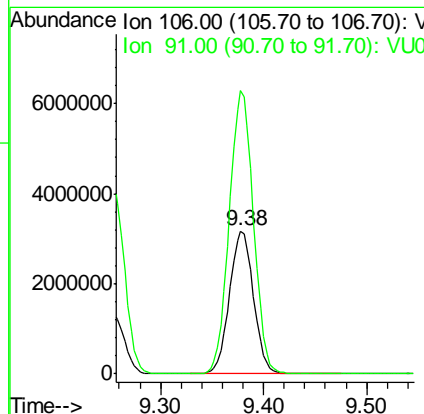
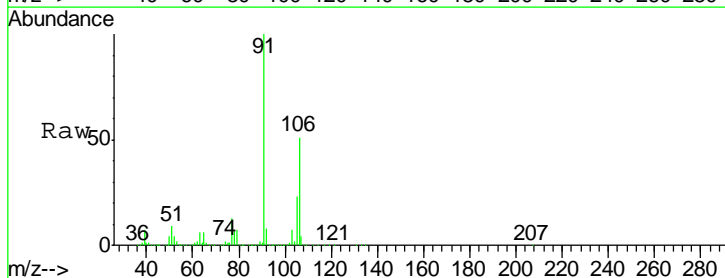
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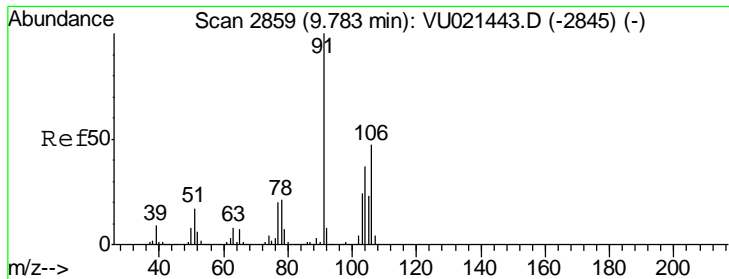
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#68
 m/p-Xylenes
 Concen: 194.29 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
106	100		
91	199.5	160.2	240.4





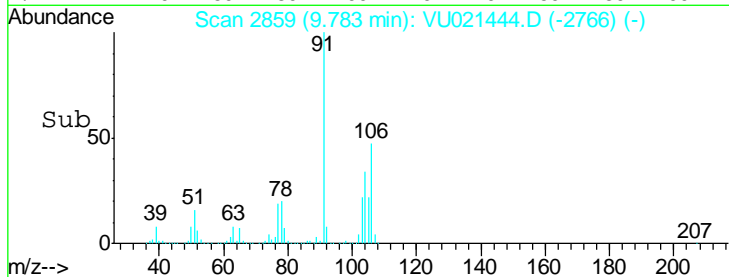
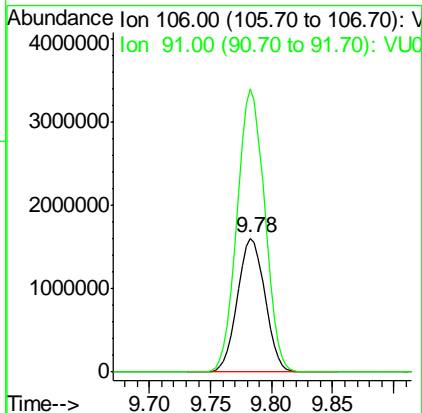
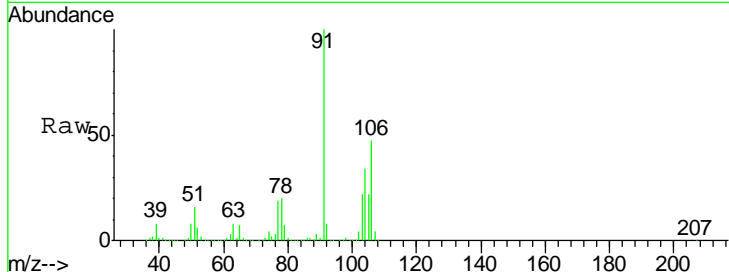
#69
 o-Xylene
 Concen: 96.63 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
106	2512601		
106	100		
91	211.9	106.7	320.1

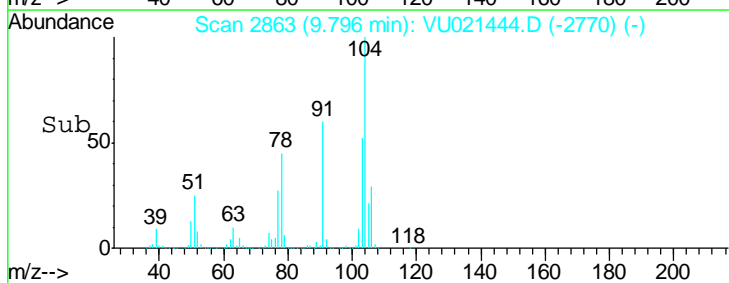
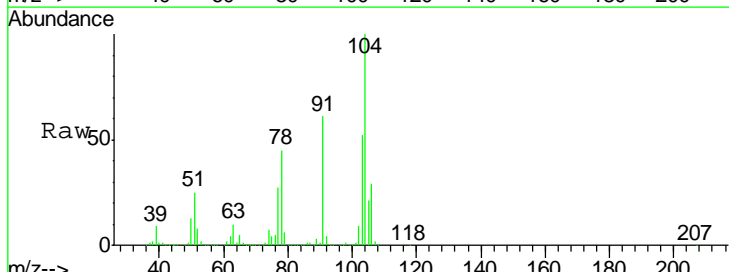
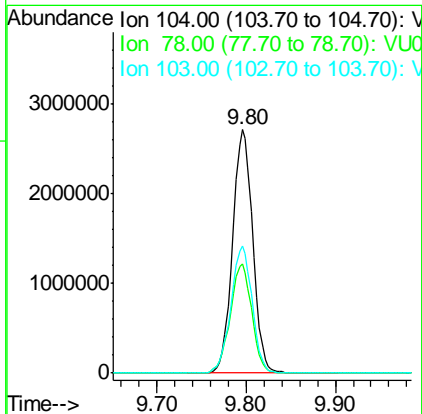
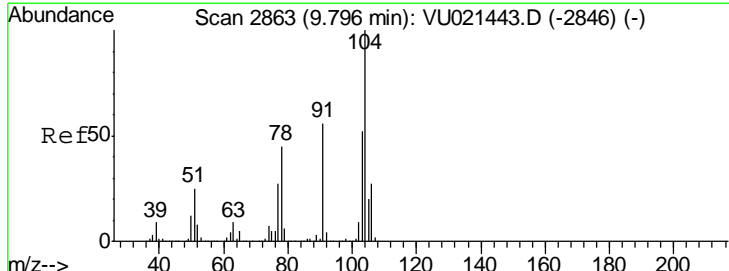
Manual Integrations
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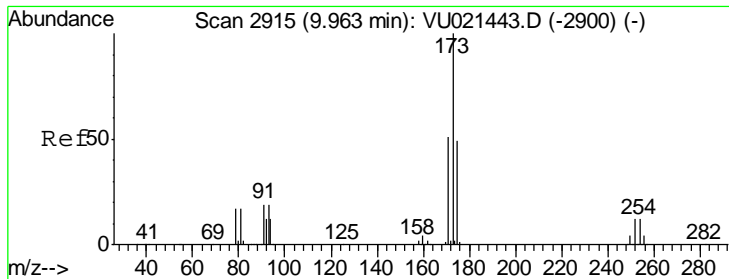
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#70
 Styrene
 Concen: 99.91 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

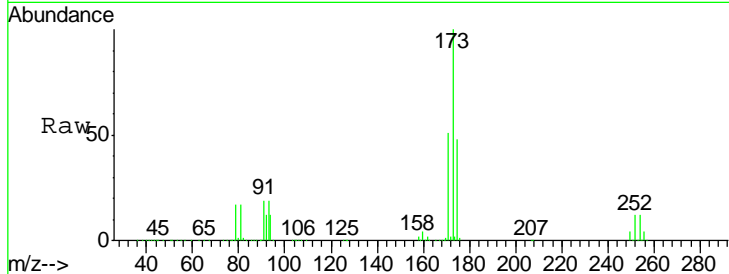
Tgt Ion	Resp	Lower	Upper
104	4242998		
104	100		
78	48.0	38.4	57.6
103	55.1	44.0	66.0





#71
 Bromoform
 Concen: 95.33 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

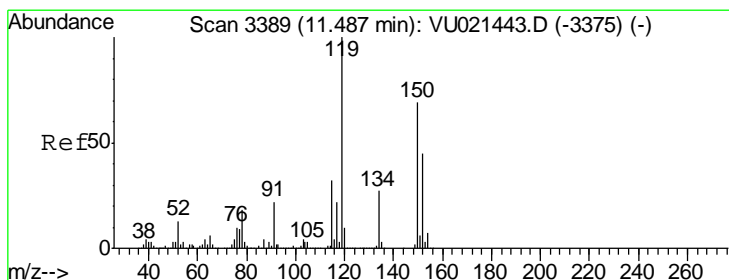
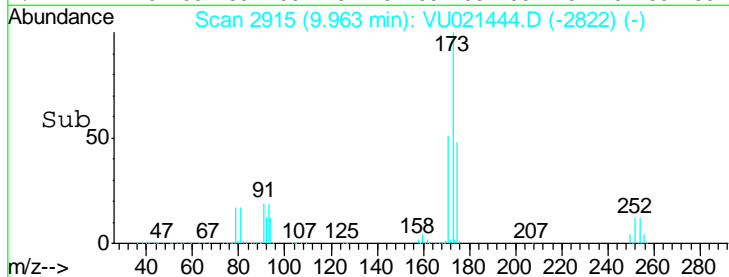
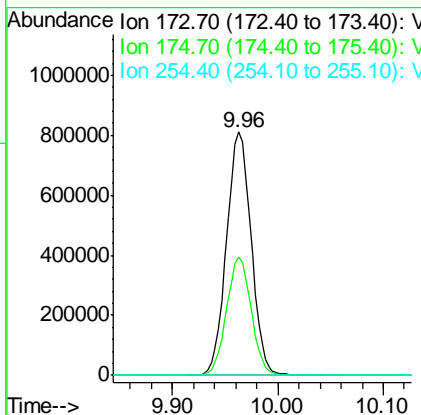


Tgt Ion: 173 Resp: 1313210

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.6
254	0.2	0.1	0.1#

Manual Integrations
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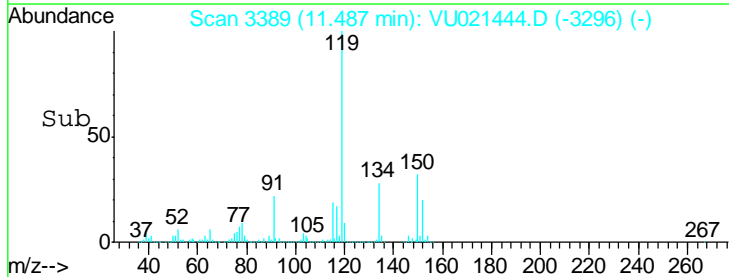
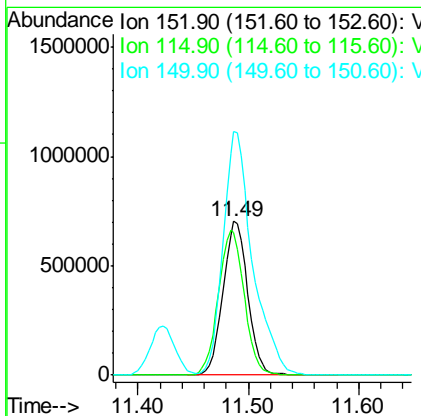
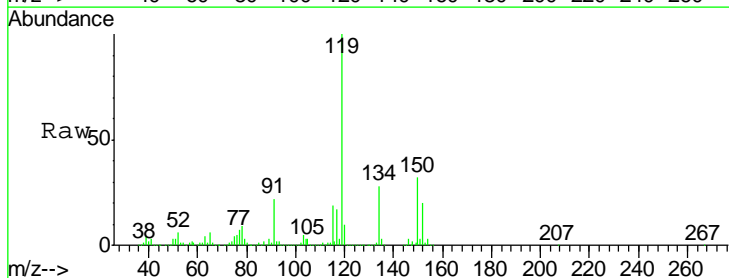
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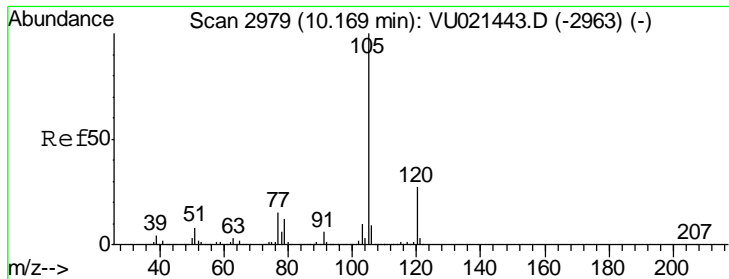


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion: 152 Resp: 1090537

Ion	Ratio	Lower	Upper
152	100		
115	98.3	38.2	114.6
150	189.0	0.0	346.2





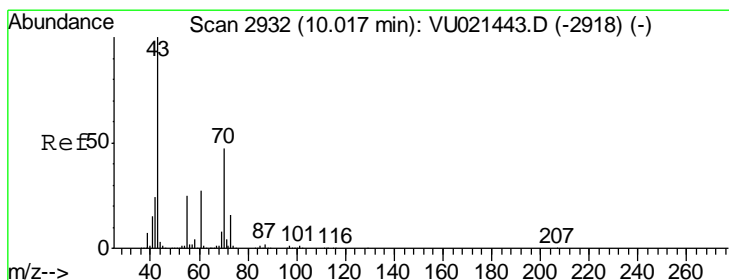
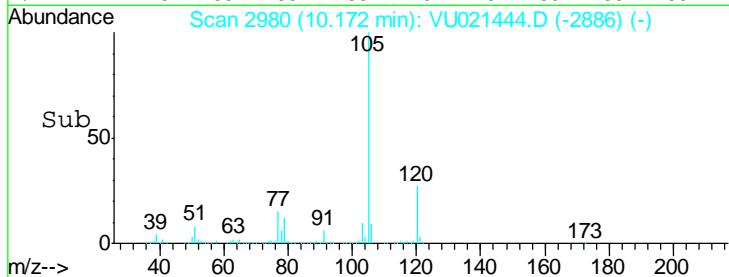
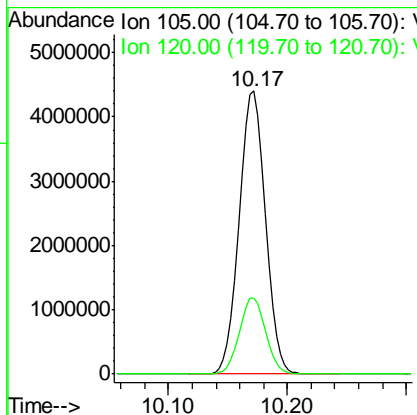
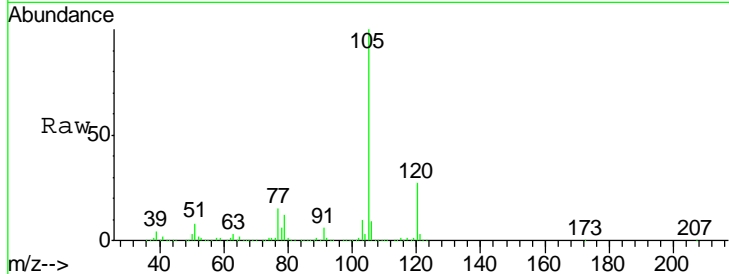
#73
 Isopropylbenzene
 Concen: 96.78 ug/l
 RT: 10.17 min Scan# 2980
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.9	13.3	39.9

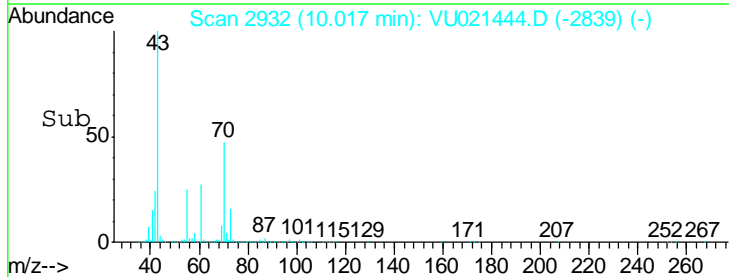
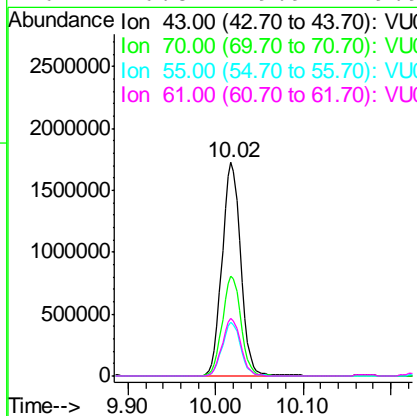
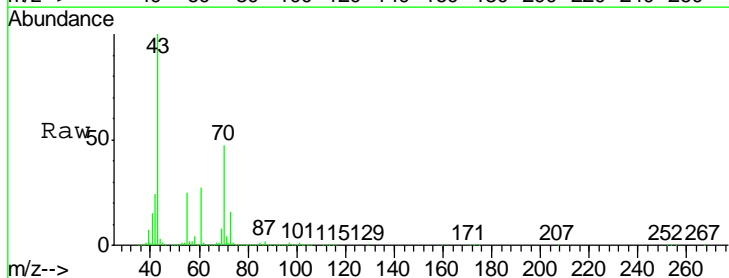
Manual Integrations
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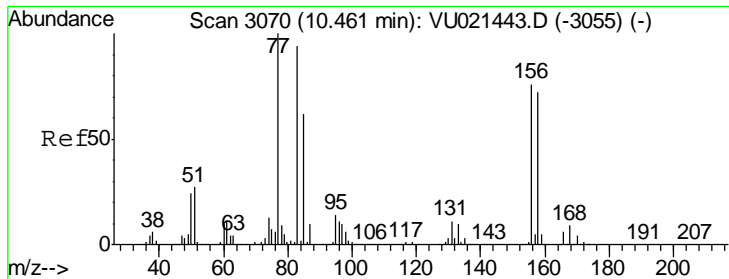
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#74
 N-aryl acetate
 Concen: 121.64 ug/l
 RT: 10.02 min Scan# 2932
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
43	100		
70	47.0	35.6	53.4
55	24.9	21.8	32.6
61	26.8	19.9	29.9





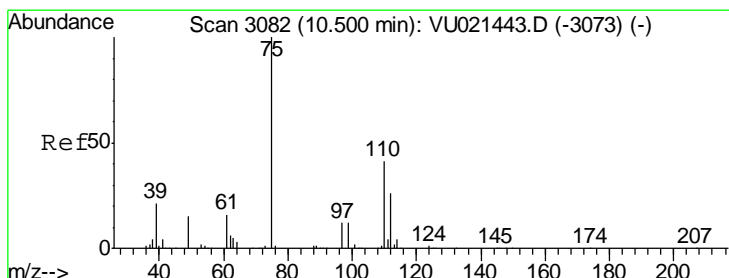
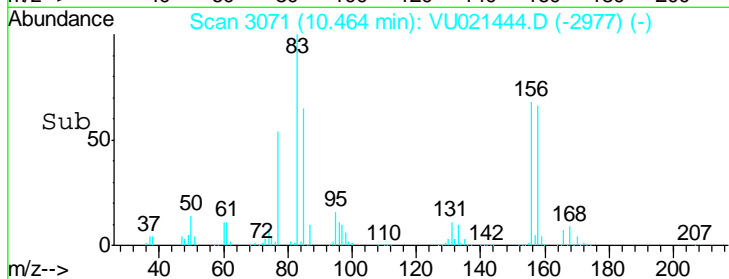
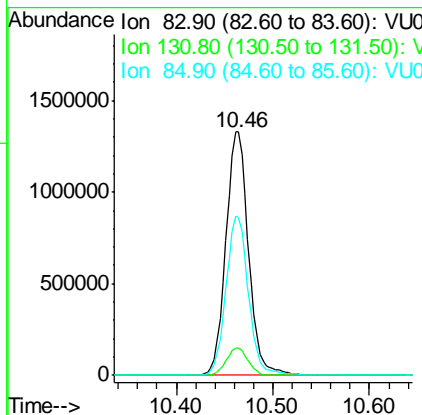
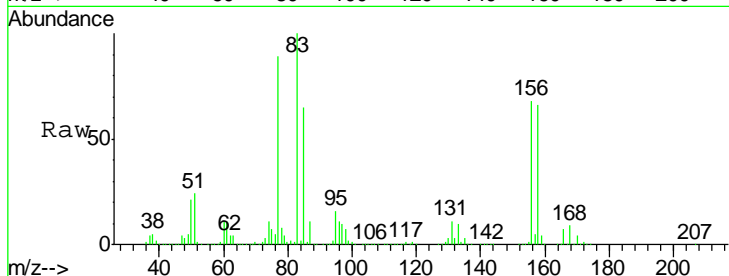
#75
 1,1,2,2-Tetrachloroethane
 Concen: 103.56 ug/l
 RT: 10.46 min Scan# 3071
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.8	4.9	14.7
85	65.2	32.2	96.6

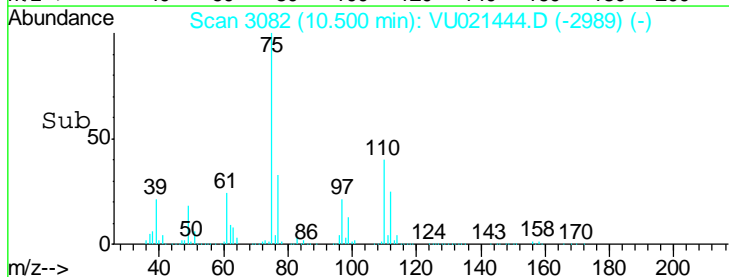
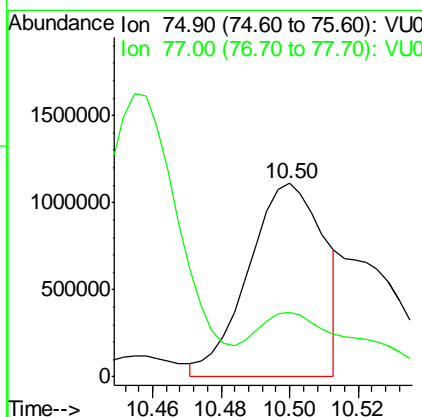
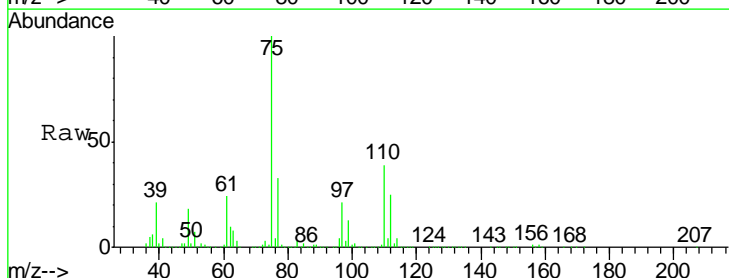
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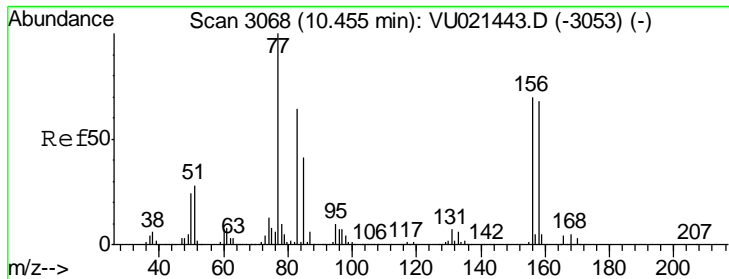
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#76
 1,2,3-Trichloropropane
 Concen: 100.46 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
75	100		
77	47.5	21.3	63.7





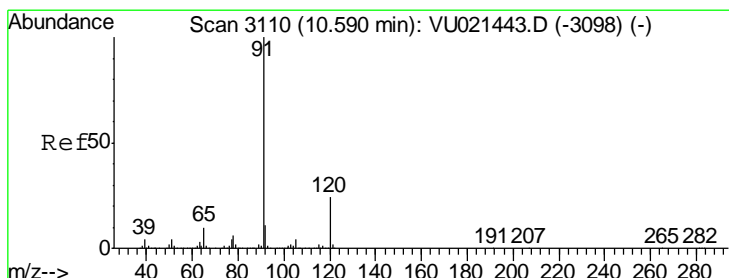
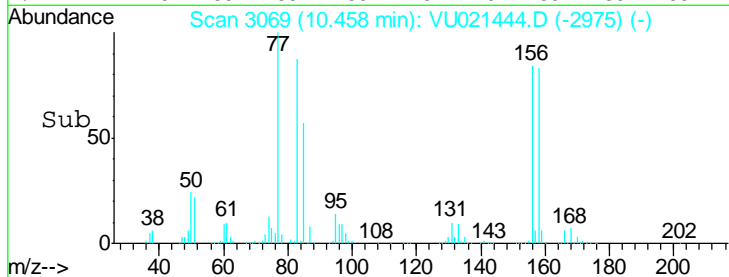
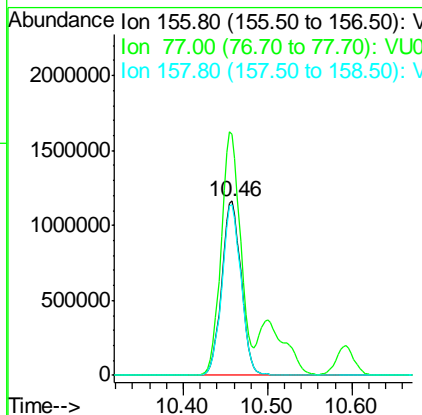
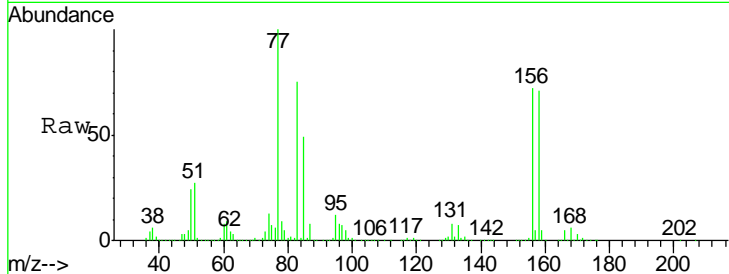
#77
 Bromobenzene
 Concen: 94.70 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
156	1852756		
77	140.5	71.4	214.1
158	97.3	48.5	145.6

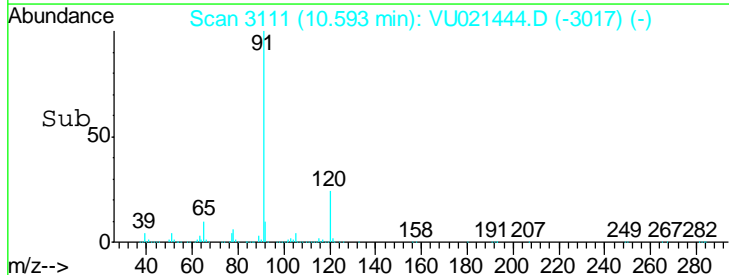
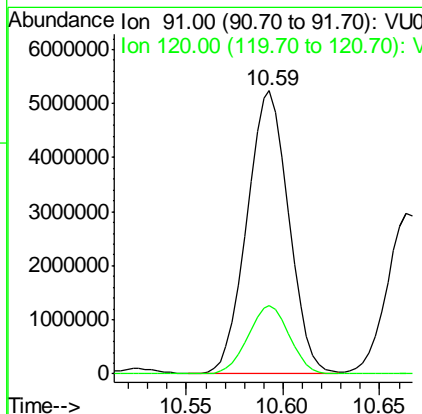
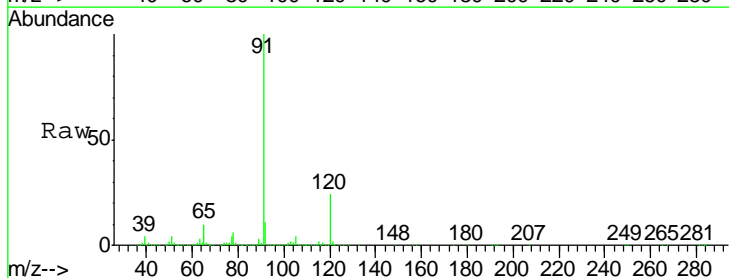
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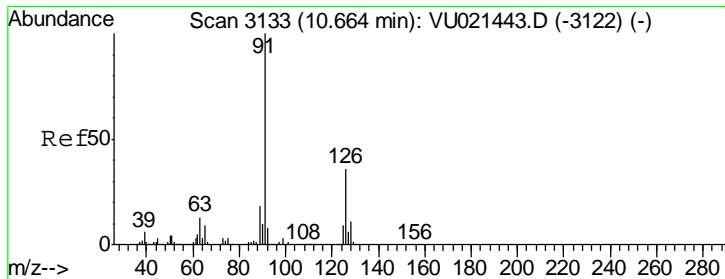
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#78
 n-propylbenzene
 Concen: 102.60 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Resp	Lower	Upper
91	7859340		
120	24.2	11.8	35.4





#79
 2-Chlorotoluene
 Concen: 99.55 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

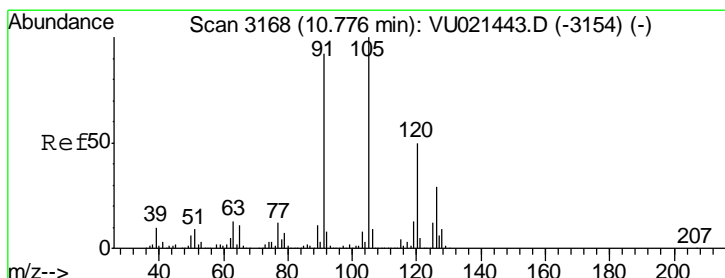
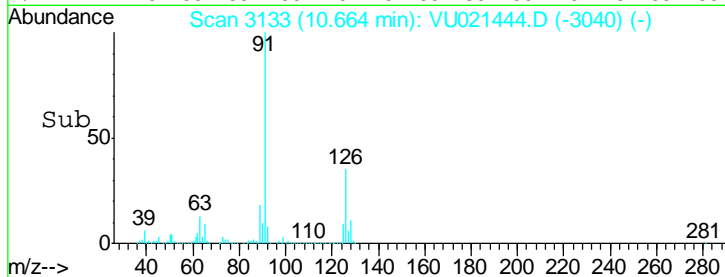
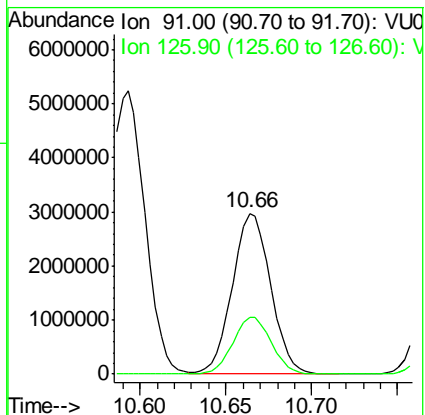
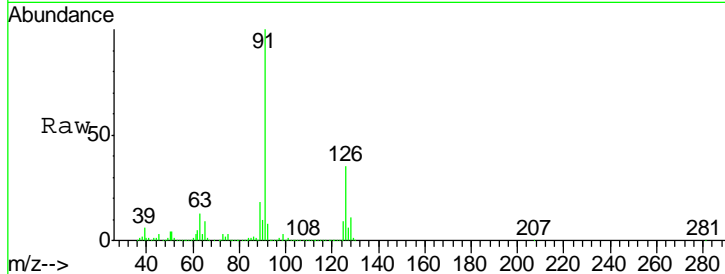
Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion: 91 Resp: 4564816

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.6	52.9

Manual Integrations
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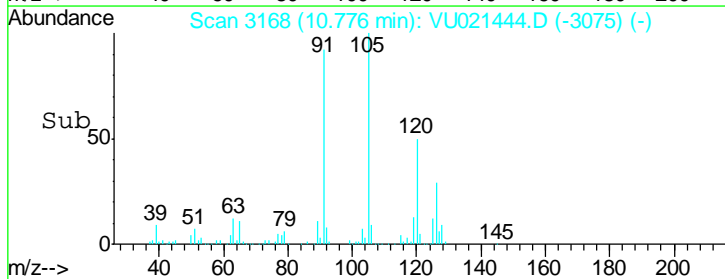
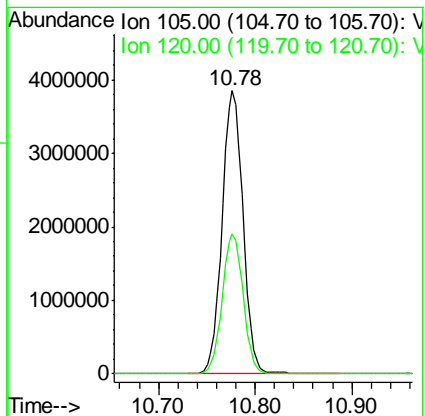
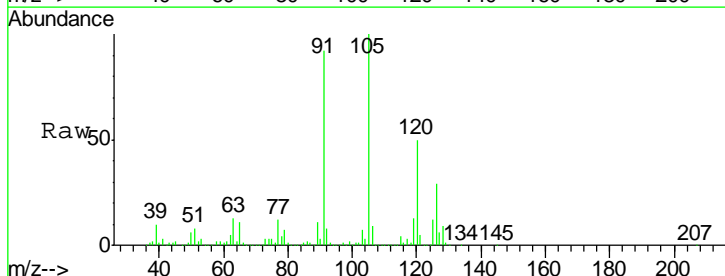
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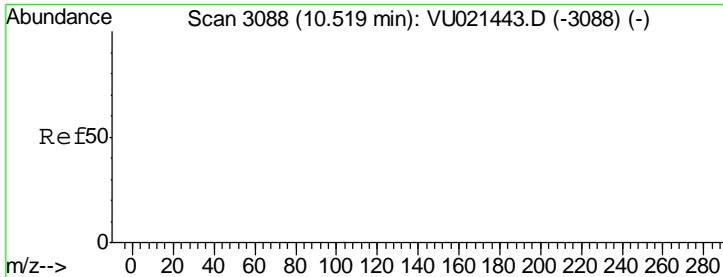


#80
 1,3,5-Trimethylbenzene
 Concen: 98.74 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion: 105 Resp: 5767627

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.6	74.0



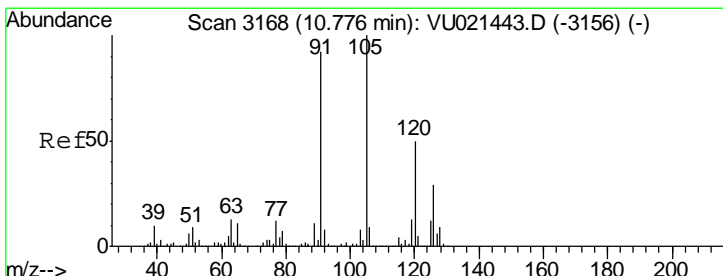
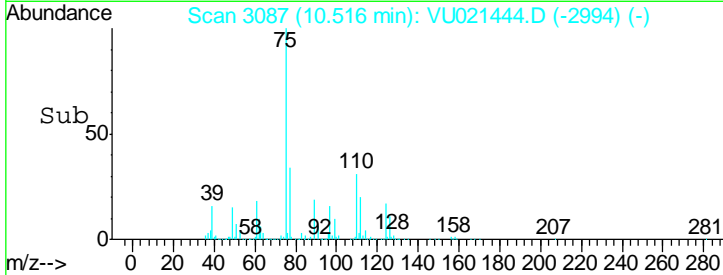
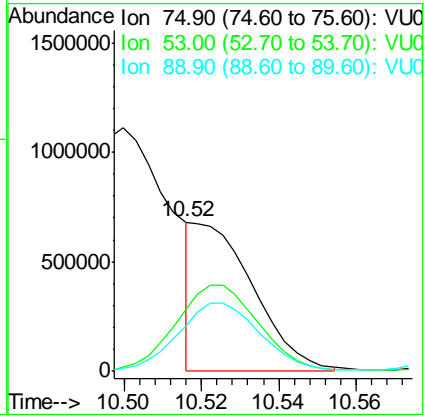
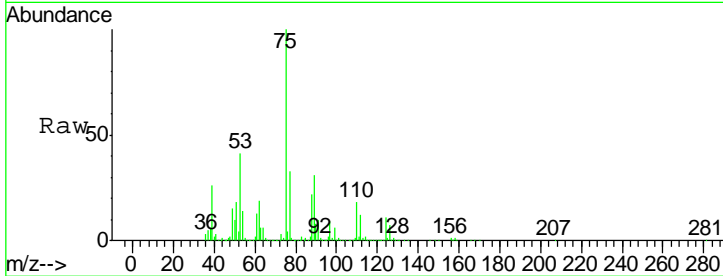


#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.57 ug/l m
 RT: 10.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

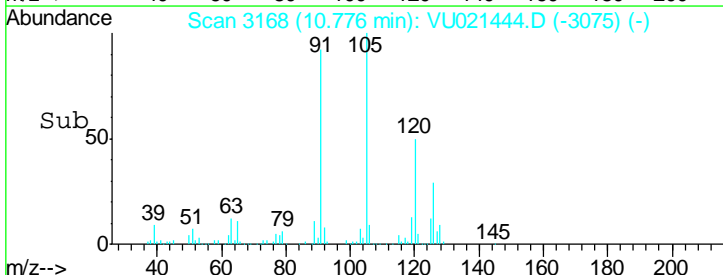
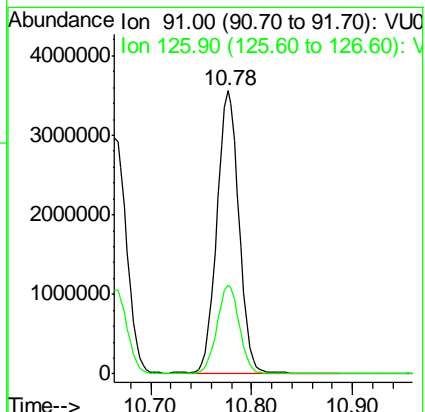
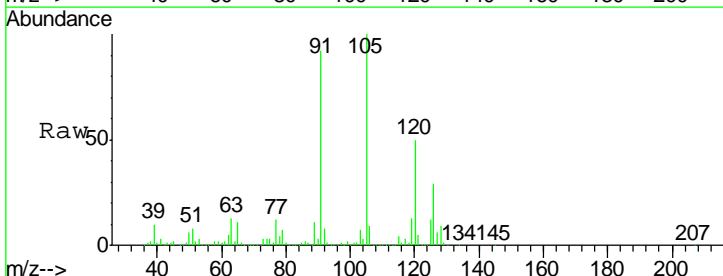
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

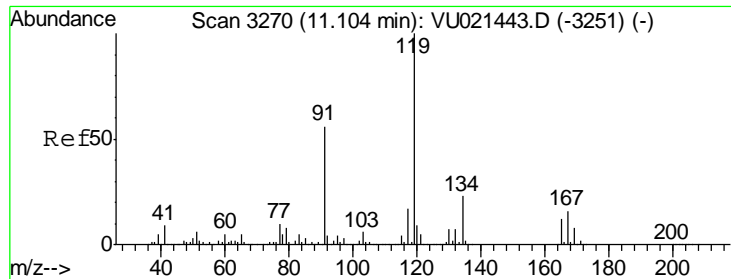
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#82
 4-Chlorotoluene
 Concen: 102.11 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.2	45.6





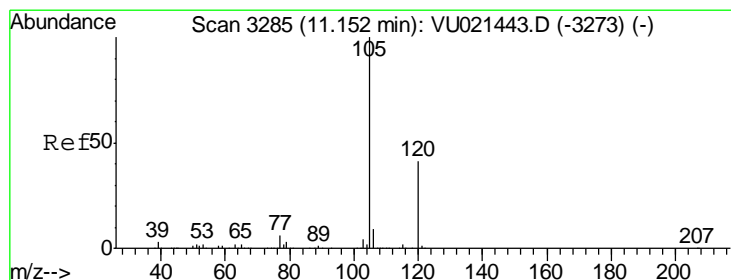
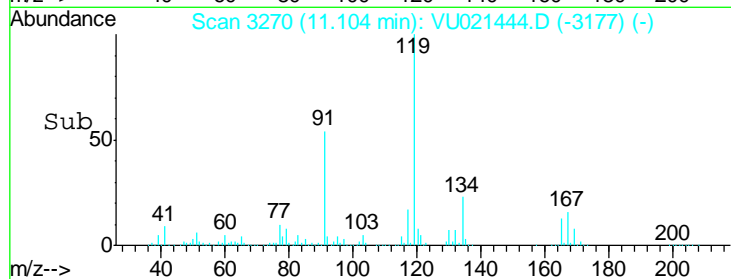
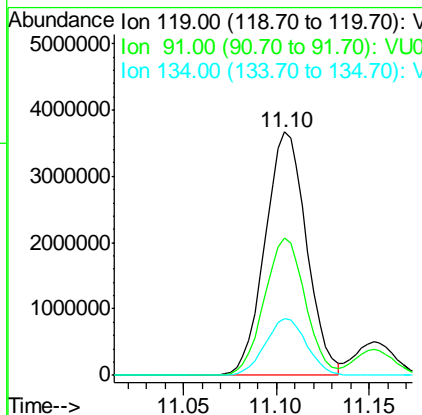
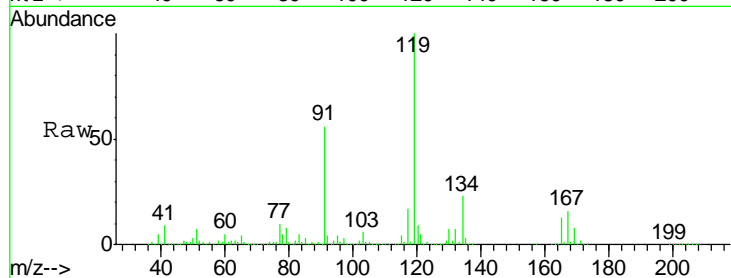
#83
 tert-Butylbenzene
 Concen: 97.47 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
119	5727829		
91	55.8	28.7	86.3
134	23.3	11.8	35.3

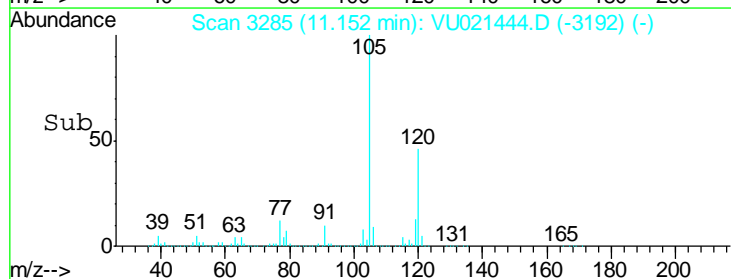
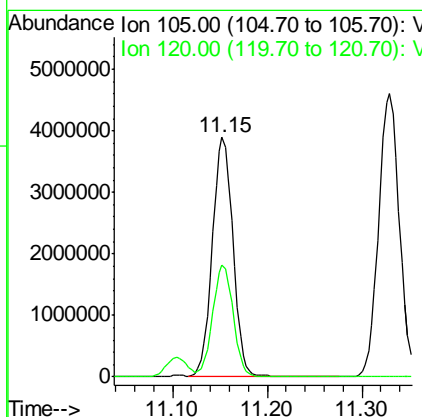
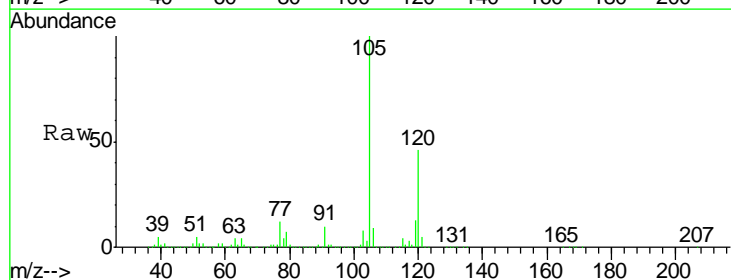
Manual Integrations
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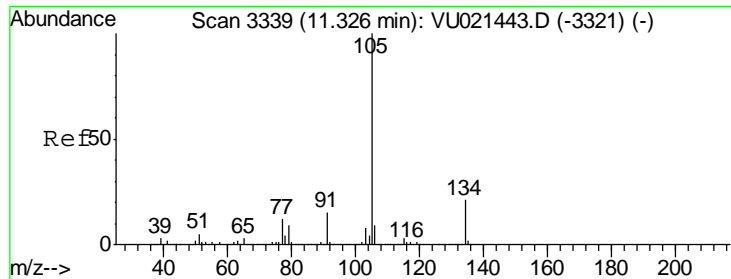
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#84
 1,2,4-Trimethylbenzene
 Concen: 100.89 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

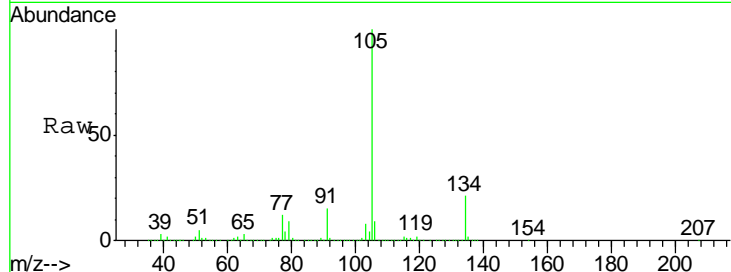
Tgt Ion	Resp	Lower	Upper
105	5903702		
120	46.6	22.9	68.5





#85
 sec-Butylbenzene
 Concen: 100.09 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

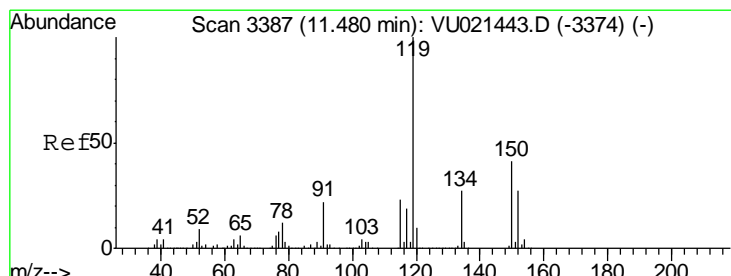
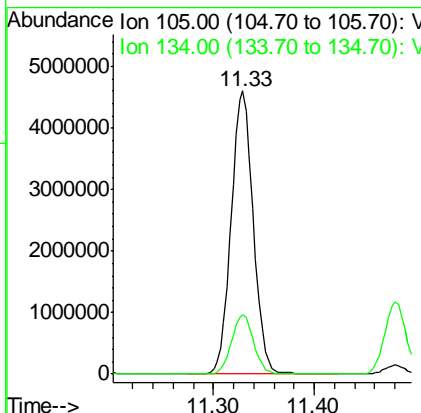
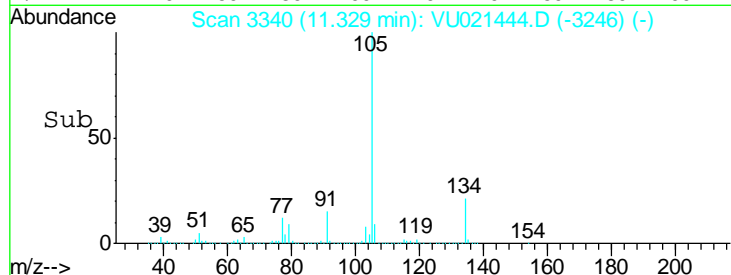
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



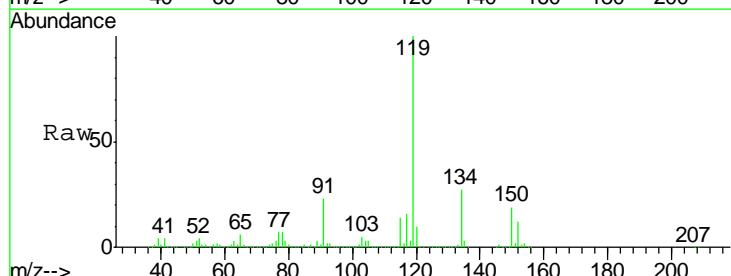
Tgt Ion: 105 Resp: 7038197
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.1 30.3

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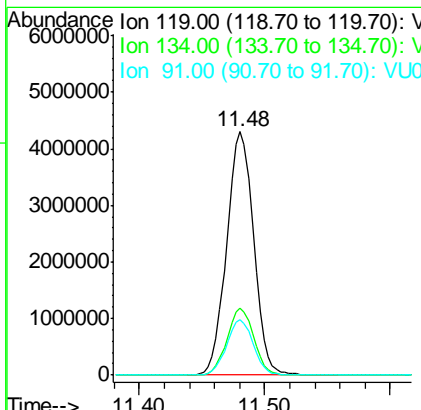
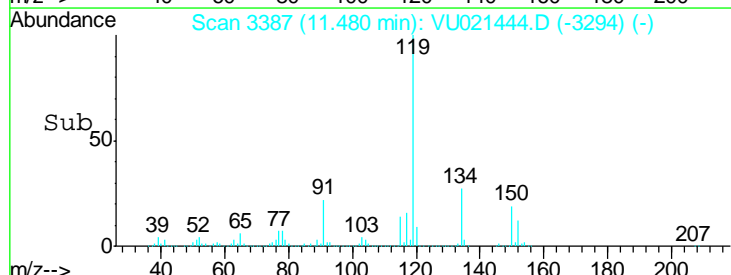
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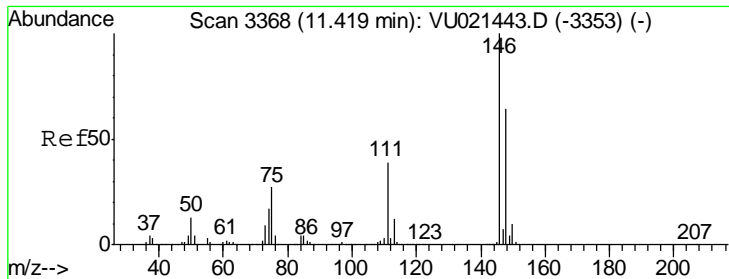


#86
 p-Isopropyltoluene
 Concen: 99.76 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42



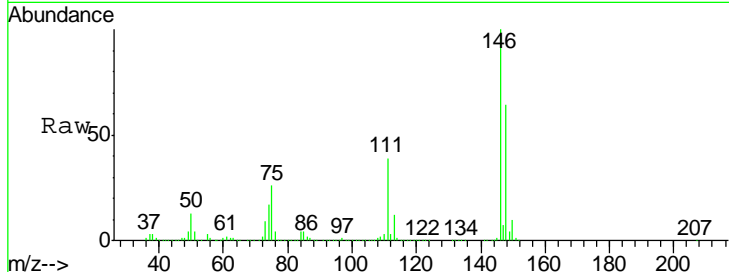
Tgt Ion: 119 Resp: 6416006
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.8
 91 22.4 11.5 34.5





#87
 1,3-Dichlorobenzene
 Concen: 95.88 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

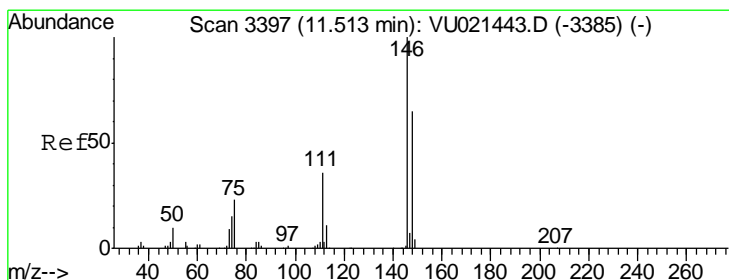
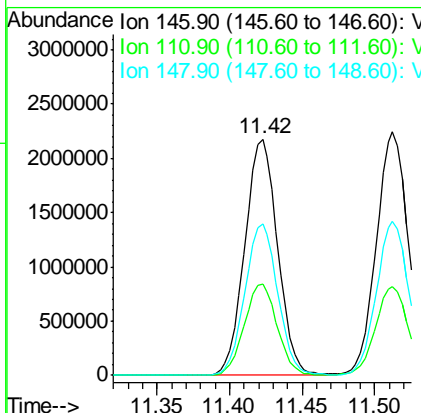
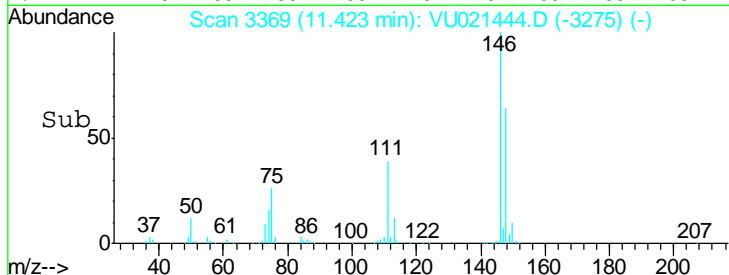
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



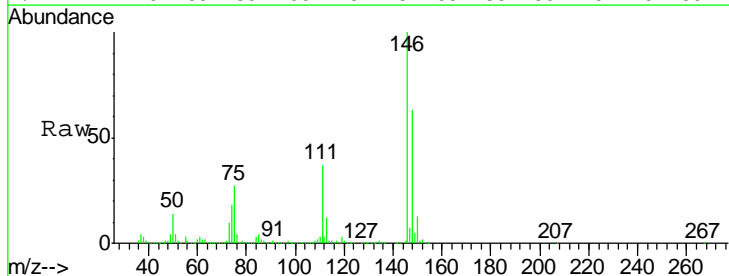
Tgt Ion: 146 Resp: 3443625

Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.8	56.3
148	64.2	32.0	96.2

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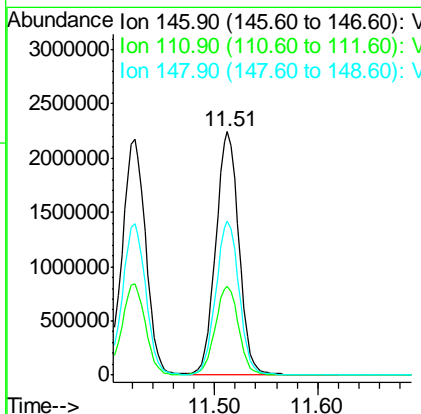
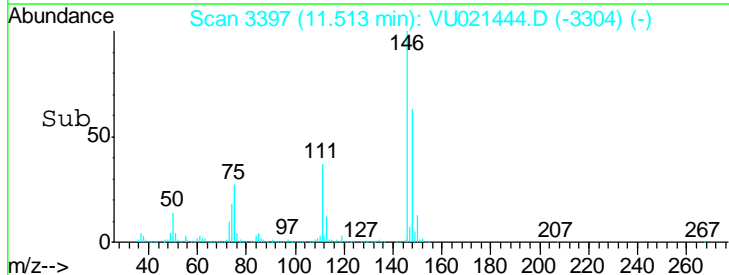


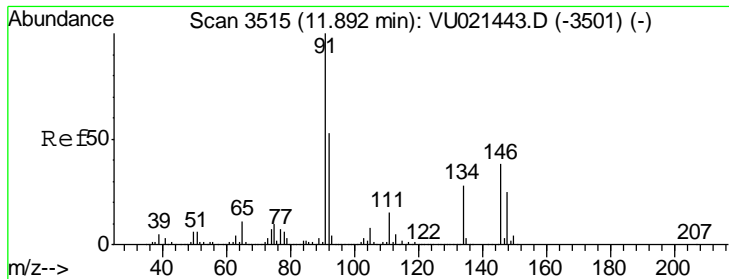
#88
 1,4-Dichlorobenzene
 Concen: 94.63 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42



Tgt Ion: 146 Resp: 3484574

Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.2
148	64.0	31.9	95.9





#89
 n-Butylbenzene
 Concen: 110.29 ug/l
 RT: 11.90 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

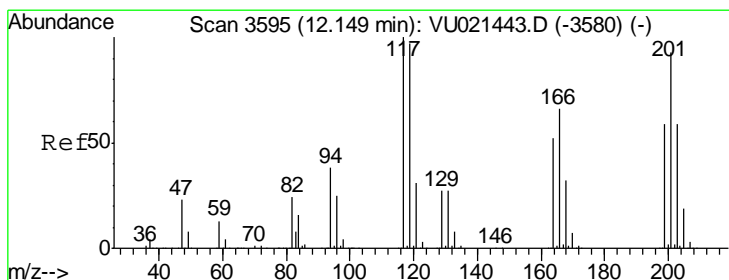
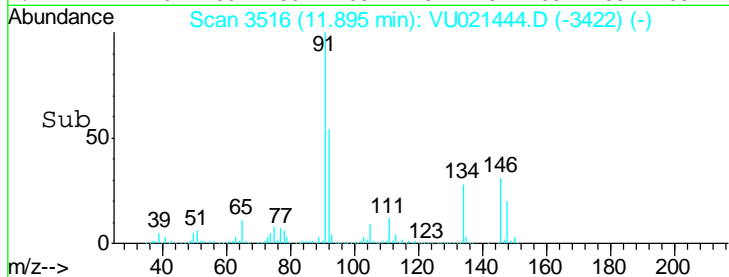
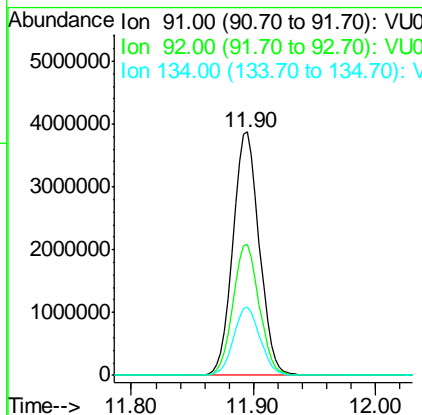
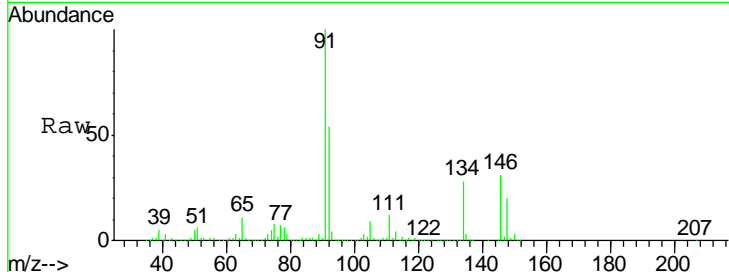
Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion: 91 Resp: 5833125

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.2	78.5
134	28.1	13.0	38.9

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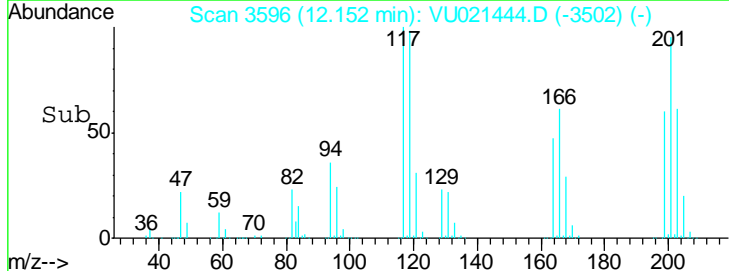
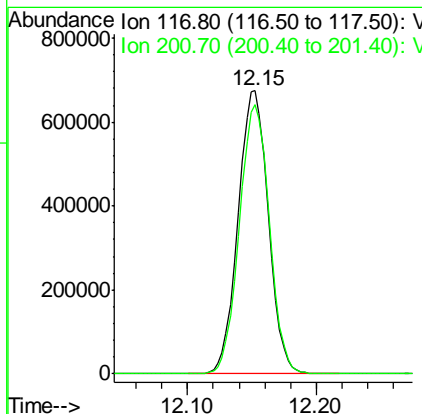
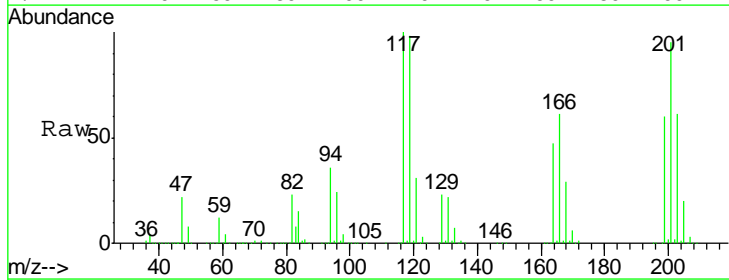
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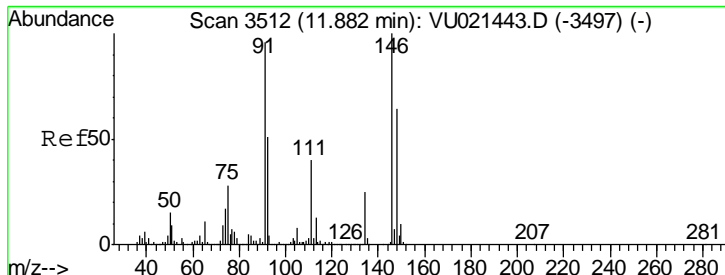


#90
 Hexachloroethane
 Concen: 96.88 ug/l
 RT: 12.15 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion: 117 Resp: 1099053

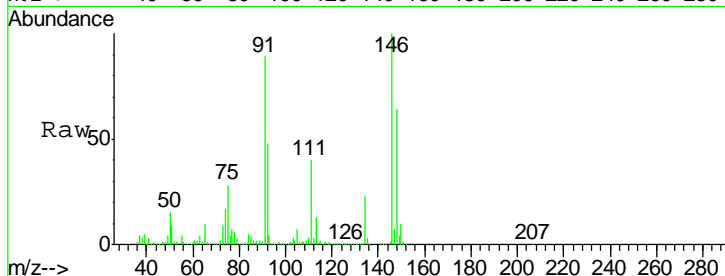
Ion	Ratio	Lower	Upper
117	100		
201	94.6	44.5	133.7





#91
 1,2-Dichlorobenzene
 Concen: 96.59 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

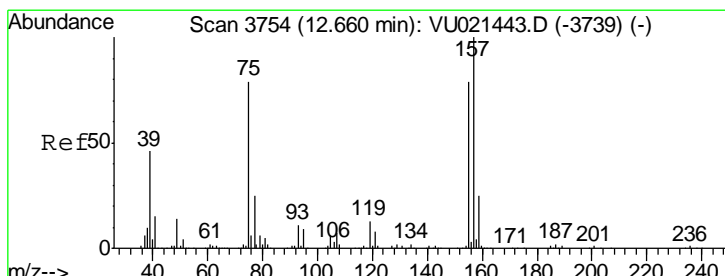
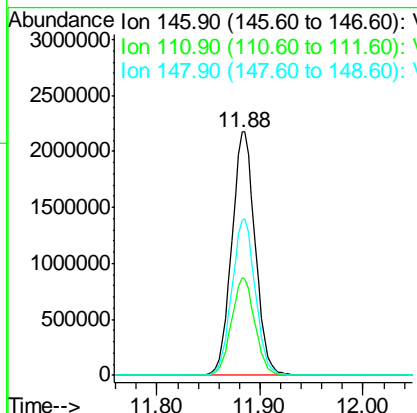
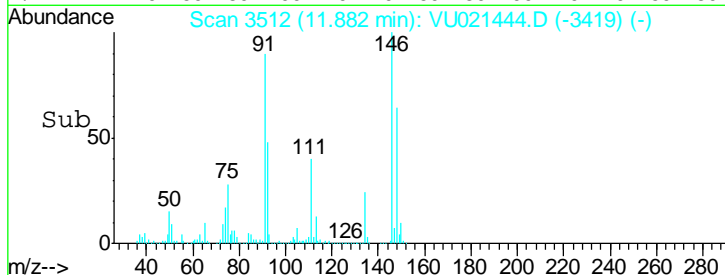


Tgt Ion: 146 Resp: 3437974

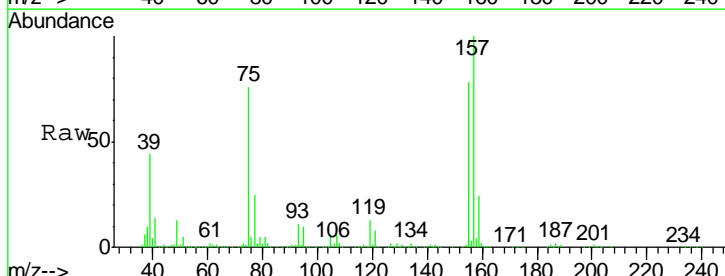
Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.4	58.1
148	64.4	32.0	96.2

Manual Integrations
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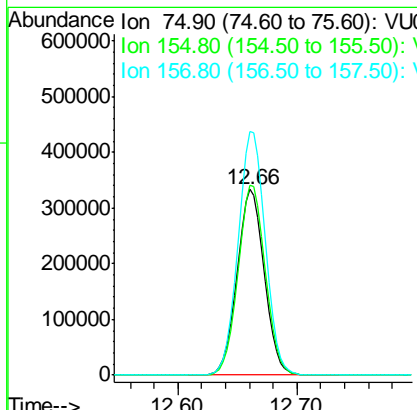
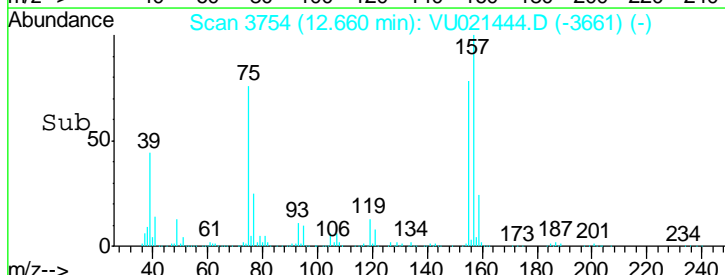


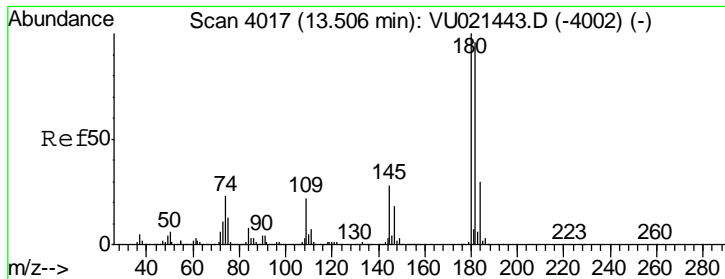
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 119.99 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42



Tgt Ion: 75 Resp: 528632

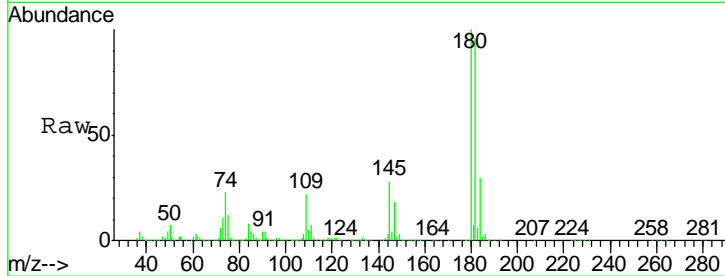
Ion	Ratio	Lower	Upper
75	100		
155	101.8	47.9	143.7
157	130.8	60.9	182.6





#93
 1,2,4-Trichlorobenzene
 Concen: 112.62 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

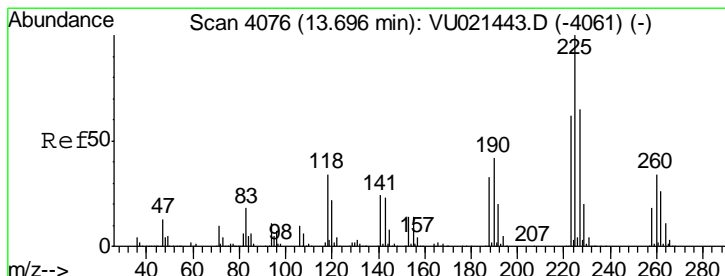
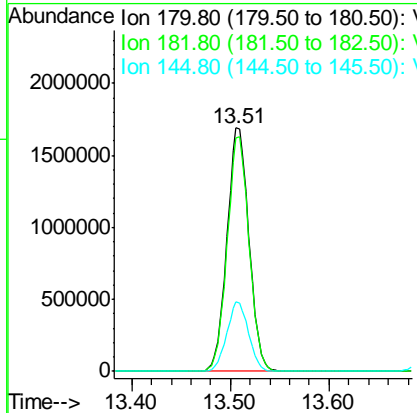
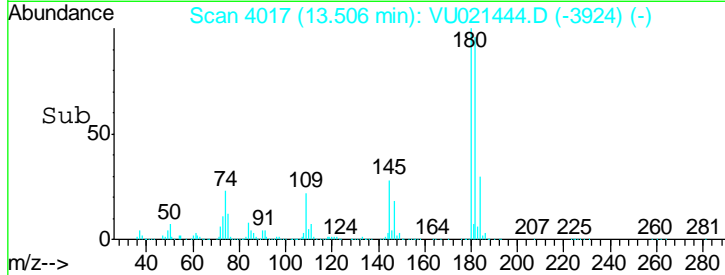
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



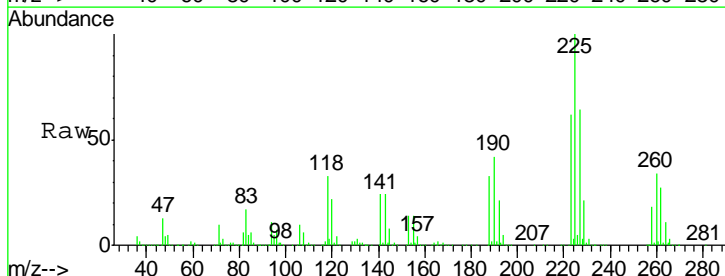
Tgt Ion:180 Resp: 2648477

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.8
145	28.2	14.2	42.6

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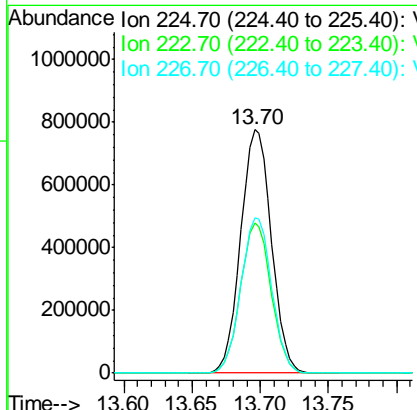
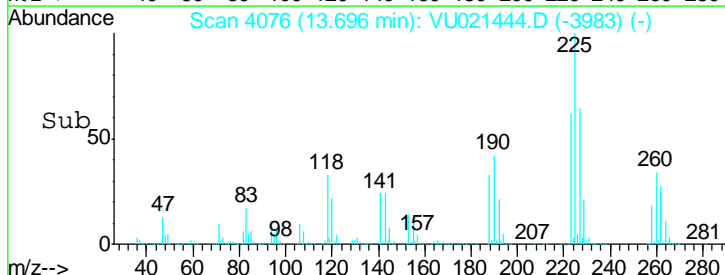


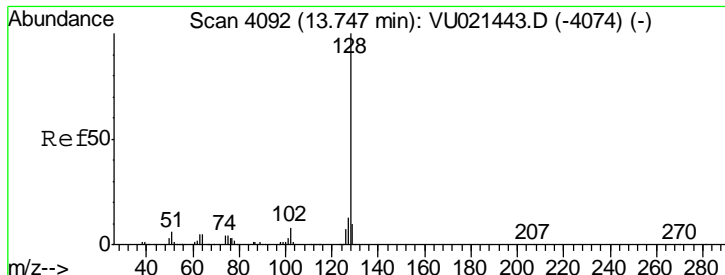
#94
 Hexachlorobutadiene
 Concen: 93.17 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42



Tgt Ion:225 Resp: 1211058

Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.9	95.7
227	64.0	32.4	97.2





#95
 Naphthalene
 Concen: 129.24 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

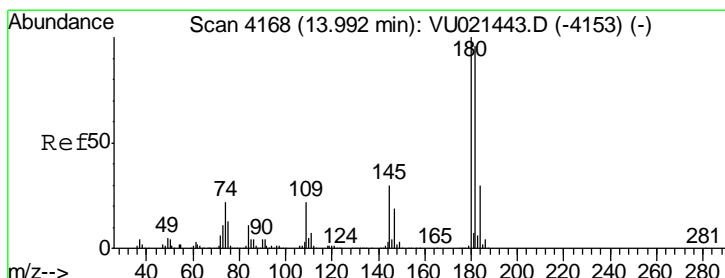
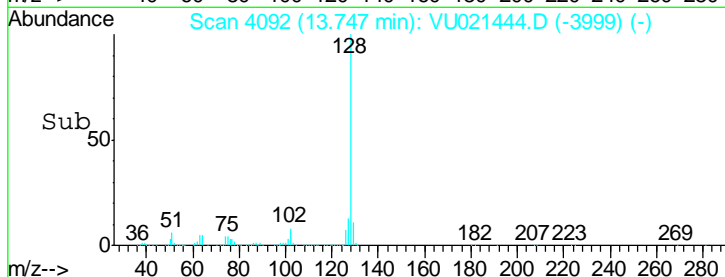
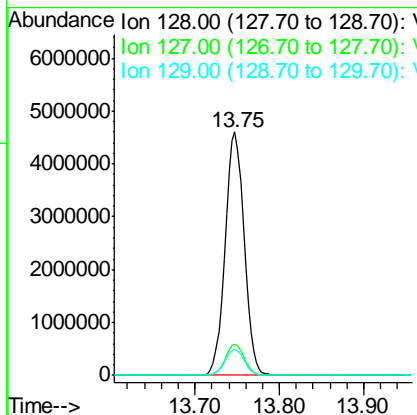
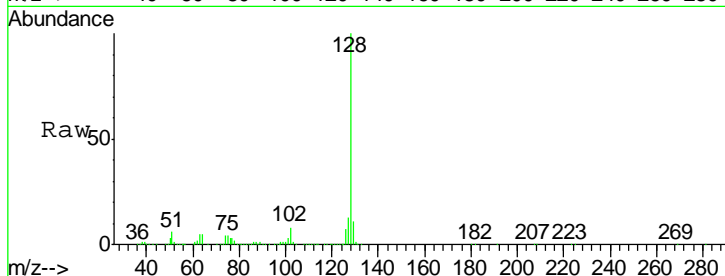
Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion:128 Resp: 7191909

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	8.9	13.3

Manual Integrations
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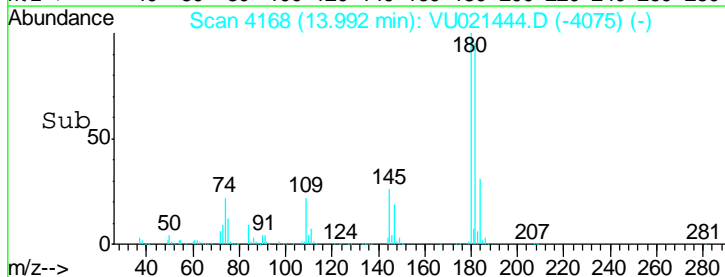
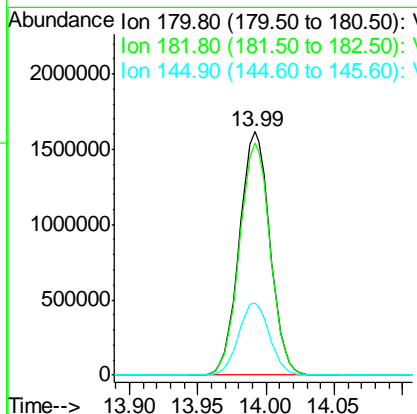
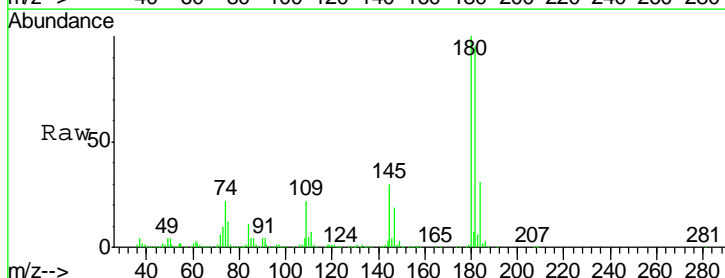
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#96
 1,2,3-Trichlorobenzene
 Concen: 109.97 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU021444.D
 Acq: 03 Jan 2018 14:42

Tgt Ion:180 Resp: 2513984

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	29.9	14.9	44.7



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021445.D
 Acq On : 03 Jan 2018 15:08
 Operator : MD/SY
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150

Manual Integrations
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 1/4/2018 11:18:52 AM

Quant Time: Jan 03 15:38:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	1423684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	2116935	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1960664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	1153050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	1845491	144.52	ug/l	0.00
Spiked Amount			50.000			
			Recovery			= 289.04%
35) Dibromofluoromethane	4.89	113	1731708	133.90	ug/l	0.00
Spiked Amount			50.000			
			Recovery			= 267.80%
50) Toluene-d8	7.57	98	5914854	136.48	ug/l	0.00
Spiked Amount			50.000			
			Recovery			= 272.96%
62) 4-Bromofluorobenzene	10.31	95	2568544	138.55	ug/l	0.00
Spiked Amount			50.000			
			Recovery			= 277.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1641650	138.81	ug/l	99
3) Chloromethane	1.34	50	2034060	147.43	ug/l	99
4) Vinyl Chloride	1.40	62	2084014	149.34	ug/l	98
6) Chloroethane	1.68	64	1113302	128.03	ug/l	99
7) Trichlorofluoromethane	1.88	101	2868558	124.29	ug/l	99
8) Diethyl Ether	2.10	74	1203730	140.40	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.28	101	1801510	127.29	ug/l	96
10) Methyl Iodide	2.41	142	2762004	177.54	ug/l	96
11) Tert butyl alcohol	2.85	59	2257463	702.20	ug/l	99
12) 1,1-Dichloroethene	2.28	96	1734947	126.78	ug/l	94
13) Acrolein	2.19	56	1505204	619.20	ug/l	99
14) Allyl chloride	2.59	41	2852189	160.09	ug/l	92
15) Acrylonitrile	2.94	53	5132161	774.07	ug/l	98
16) Acetone	2.32	43	5245588	716.82	ug/l	97
17) Carbon Disulfide	2.47	76	5105602	130.03	ug/l	100
18) Methyl Acetate	2.62	43	2349013	161.46	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	5795870	133.70	ug/l	99
20) Methylene Chloride	2.70	84	1910523	134.82	ug/l	92
21) trans-1,2-Dichloroethene	2.98	96	1856395	130.59	ug/l	95
22) Diisopropyl ether	3.58	45	5286664	161.97	ug/l #	96
23) Vinyl Acetate	3.53	43	21482672	810.55	ug/l #	92
24) 1,1-Dichloroethane	3.44	63	3282507	158.12	ug/l	99
25) 2-Butanone	4.28	43	6978326	887.83	ug/l	93
26) 2,2-Dichloropropane	4.23	77	2894469	147.70	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	2178813	153.14	ug/l	99
28) Bromochloromethane	4.55	49	1385860	153.26	ug/l	86
29) Tetrahydrofuran	4.65	42	3949406	839.26	ug/l	90
30) Chloroform	4.68	83	3401992	150.35	ug/l	96
31) Cyclohexane	4.99	56	2855006	124.16	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	3044005	145.86	ug/l	98
36) 1,1-Dichloropropene	5.14	75	2622701	146.81	ug/l	99
37) Ethyl Acetate	4.39	43	2383574	163.97	ug/l	97
38) Carbon Tetrachloride	5.13	117	2704323	135.53	ug/l	100
39) Methylcyclohexane	6.42	83	3296944	139.49	ug/l	95

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021445.D
 Acq On : 03 Jan 2018 15:08
 Operator : MD/SY
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC150

Manual Integrations
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Quant Time: Jan 03 15:38:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	5.39	78	7709100	145.02	ug/l	100
41) Methacrylonitrile	4.55	41	1344435	161.63	ug/l	95
42) 1,2-Dichloroethane	5.41	62	2606285	144.52	ug/l	98
43) Isopropyl Acetate	5.56	43	4055459	155.59	ug/l	96
44) Trichloroethene	6.19	130	2287881	135.97	ug/l	94
45) 1,2-Dichloropropane	6.44	63	1944957	147.02	ug/l	99
46) Dibromomethane	6.56	93	1409118	142.95	ug/l	95
47) Bromodichloromethane	6.76	83	2665844	143.82	ug/l	99
48) Methyl methacrylate	6.63	41	2029174	162.00	ug/l	93
49) 1,4-Dioxane	6.63	88	1017686	3220.00	ug/l	92
51) 4-Methyl-2-Pentanone	7.47	43	12431848	792.95	ug/l	95
52) Toluene	7.64	92	4965655	141.30	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	3148132	151.99	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	3286072	149.07	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	2007173	142.11	ug/l	97
56) Ethyl methacrylate	8.02	69	3160894	161.16	ug/l	95
57) 1,3-Dichloropropane	8.25	76	3301950	149.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	6370924	980.86	ug/l	94
59) 2-Hexanone	8.37	43	10201679	828.12	ug/l	94
60) Dibromochloromethane	8.48	129	2334031	141.21	ug/l	99
61) 1,2-Dibromoethane	8.59	107	2262487	146.61	ug/l	99
64) Tetrachloroethene	8.23	164	2150759	129.09	ug/l	99
65) Chlorobenzene	9.12	112	5792282	142.60	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	2116931	139.87	ug/l	98
67) Ethyl Benzene	9.25	91	9663149	142.23	ug/l	99
68) m/p-Xylenes	9.38	106	7543201	281.26	ug/l	96
69) o-Xylene	9.78	106	3694125	140.19	ug/l	99
70) Styrene	9.80	104	6303045	146.46	ug/l	100
71) Bromoform	9.96	173	2036303	145.87	ug/l #	100
73) Isopropylbenzene	10.17	105	9893173	133.88	ug/l	98
74) N-amyl acetate	10.02	43	3981897	178.84	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	3362284	152.73	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	2795811m	156.09	ug/l	
77) Bromobenzene	10.46	156	2773172	134.06	ug/l	99
78) n-propylbenzene	10.59	91	11548908	142.59	ug/l	98
79) 2-Chlorotoluene	10.67	91	6750694	139.24	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	8520938	137.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	1186669m	185.36	ug/l	
82) 4-Chlorotoluene	10.78	91	8088071	143.77	ug/l	97
83) tert-Butylbenzene	11.10	119	8574397	138.00	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	8769257	141.73	ug/l	98
85) sec-Butylbenzene	11.33	105	10442570	140.45	ug/l	98
86) p-Isopropyltoluene	11.48	119	9631588	141.63	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	5256001	138.41	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	5311617	136.43	ug/l	99
89) n-Butylbenzene	11.90	91	8832145	157.93	ug/l	97
90) Hexachloroethane	12.15	117	1713008	142.81	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	5267307	139.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	767890	164.85	ug/l	93
93) 1,2,4-Trichlorobenzene	13.51	180	3937590	158.36	ug/l	99

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021445.D
 Acq On : 03 Jan 2018 15:08
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
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 sam
 1/4/2018 11:18:52 AM

Quant Time: Jan 03 15:38:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	1770614	128.84	ug/l	99
95) Naphthalene	13.75	128	10751842	182.74	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	3793241	156.93	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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- 15
- 16

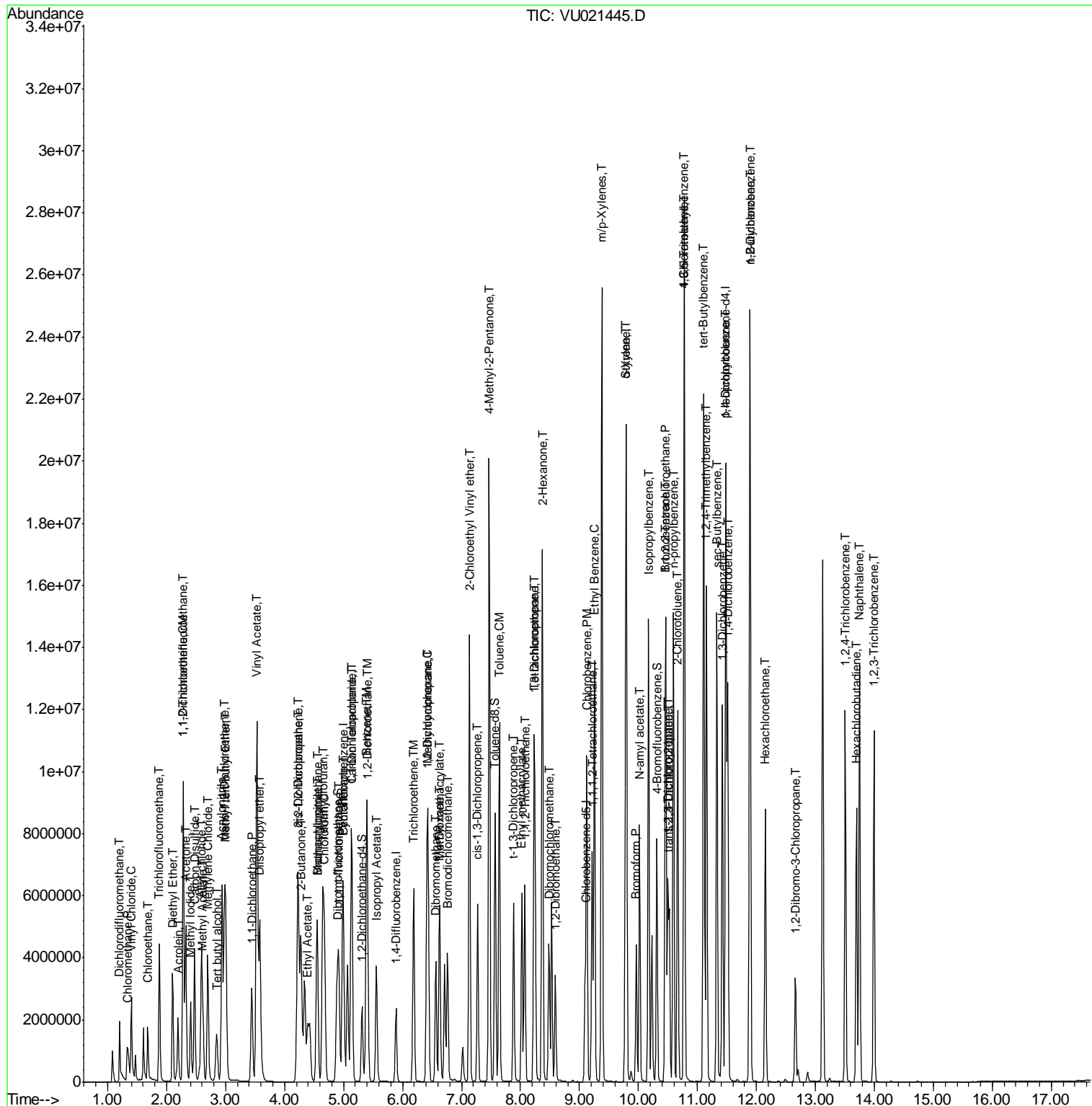
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 Data File : VU021445.D
 Acq On : 03 Jan 2018 15:08
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
 Client Sampled : VSTDICC150

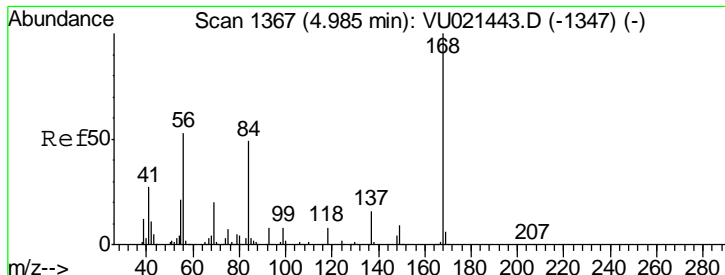
Manual Integrations APPROVED

sam
 1/4/2018 11:18:52 AM

Quant Time: Jan 03 15:38:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 14:44:05 2018
 Response via : Initial Calibration



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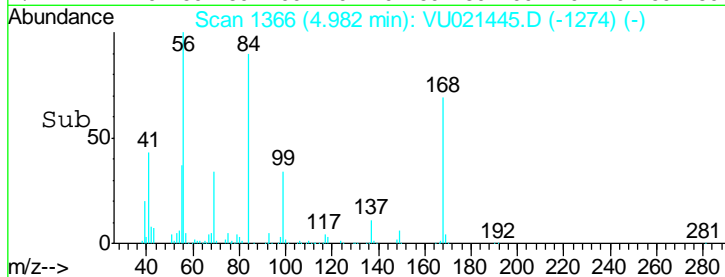
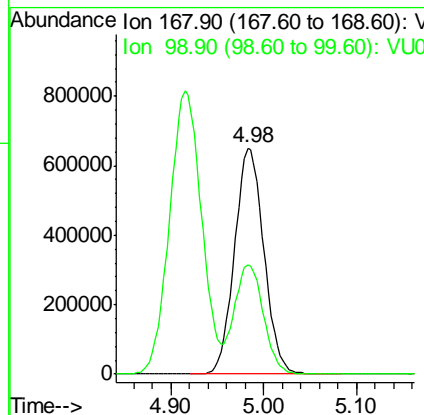
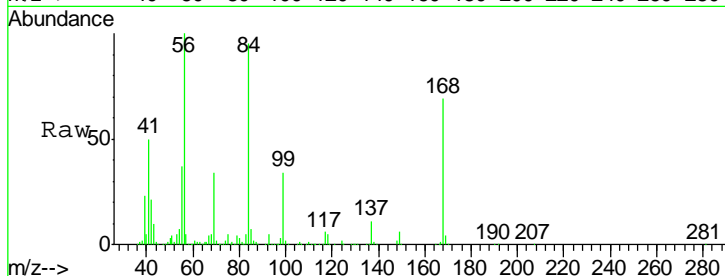
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
168	1423684		
99	48.6	40.2	60.2

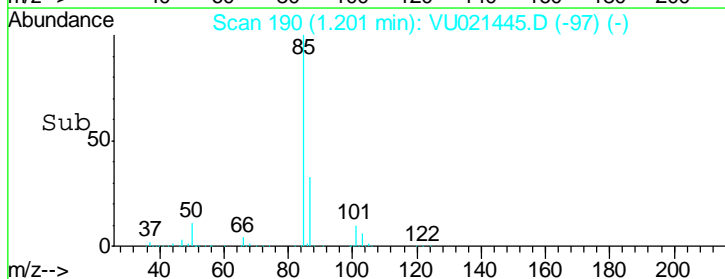
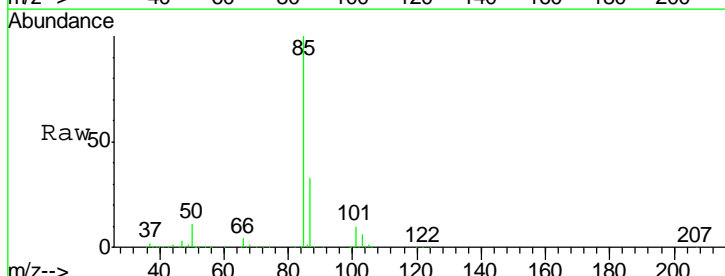
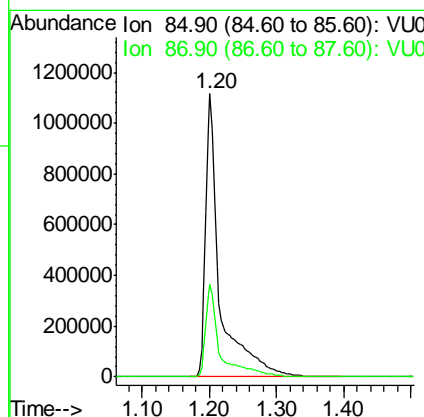
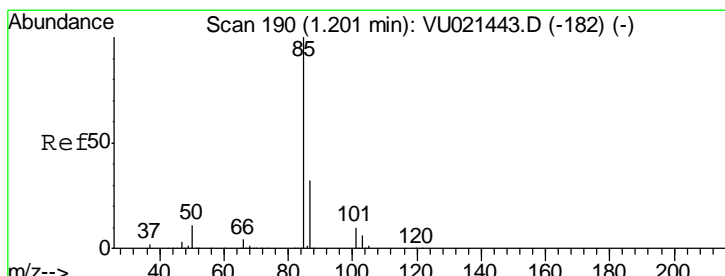
Manual Integrations
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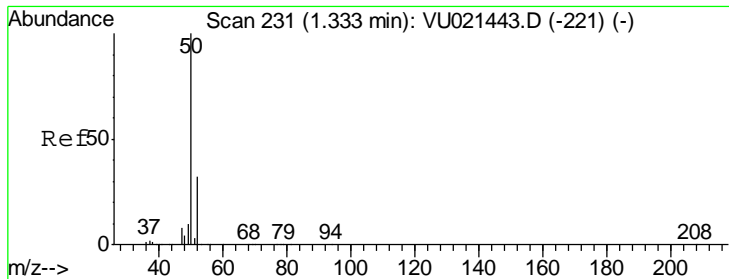
1/4/2018 11:18:52 AM



#2
 Dichlorodifluoromethane
 Concen: 138.81 ug/l
 RT: 1.20 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
85	1641650		
87	32.9	16.3	48.8





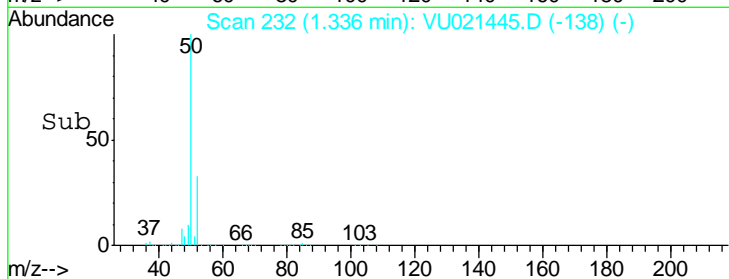
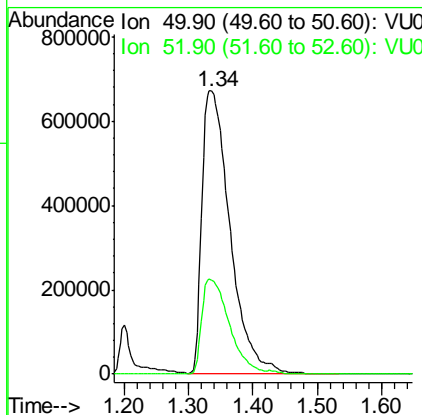
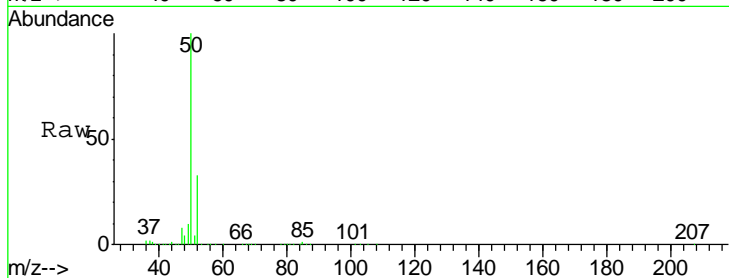
#3
 Chloromethane
 Concen: 147.43 ug/l
 RT: 1.34 min Scan# 232
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.4	27.1	40.7

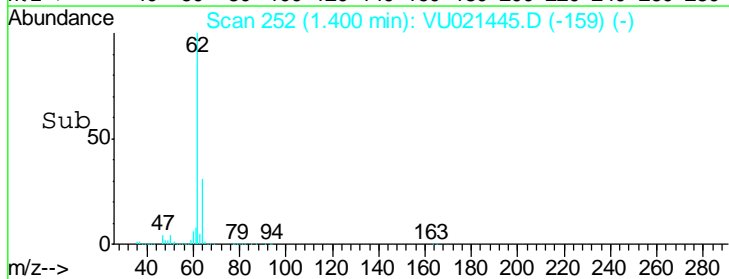
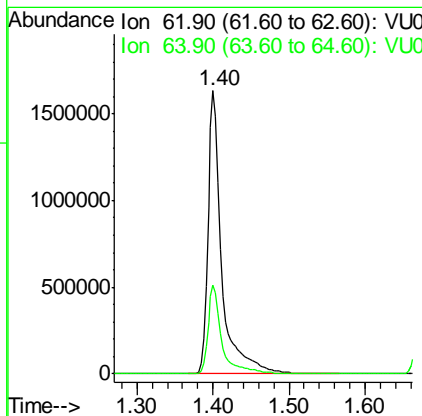
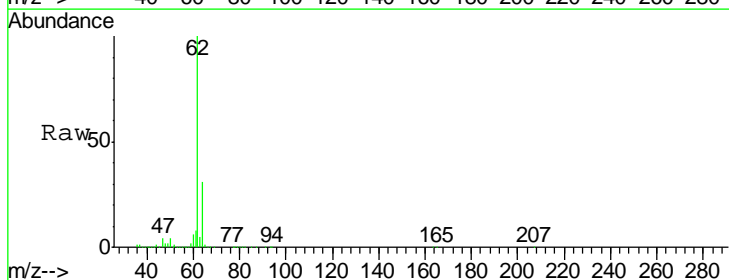
Manual Integrations
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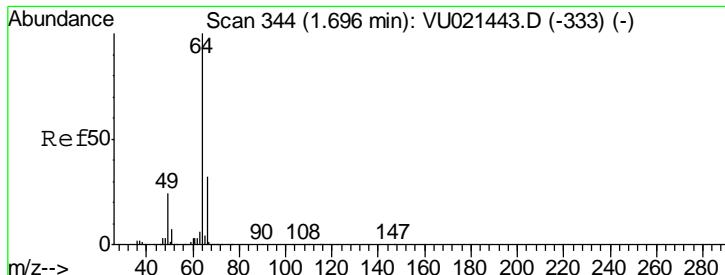
1/4/2018 11:18:52 AM



#4
 Vinyl Chloride
 Concen: 149.34 ug/l
 RT: 1.40 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.4	25.9	38.9





#6
 Chloroethane
 Concen: 128.03 ug/l
 RT: 1.68 min Scan# 339
 Delta R.T. -0.02 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

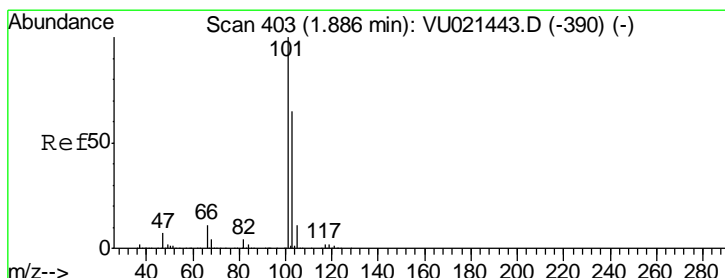
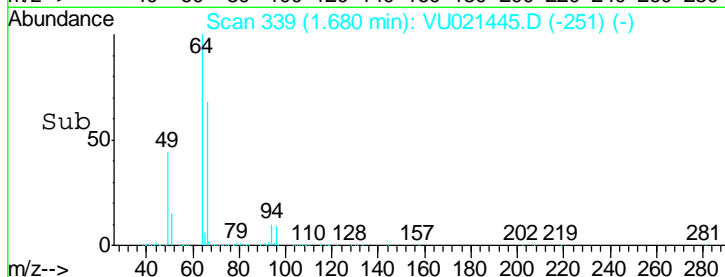
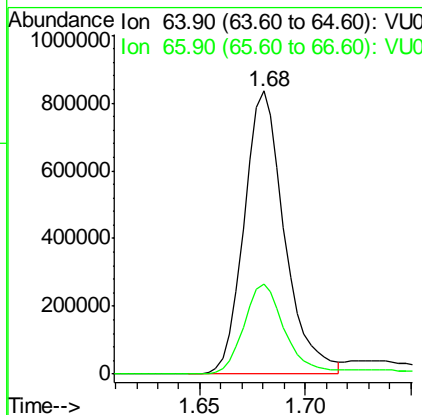
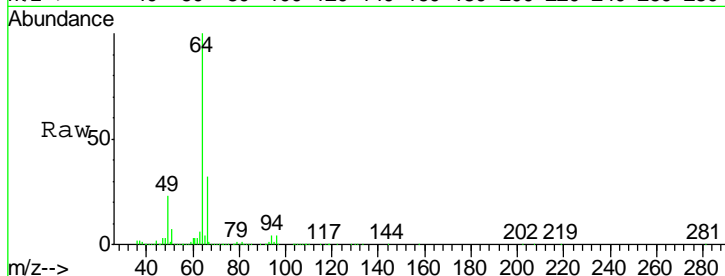
Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion: 64 Resp: 1113302

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.6	38.4

Manual Integrations
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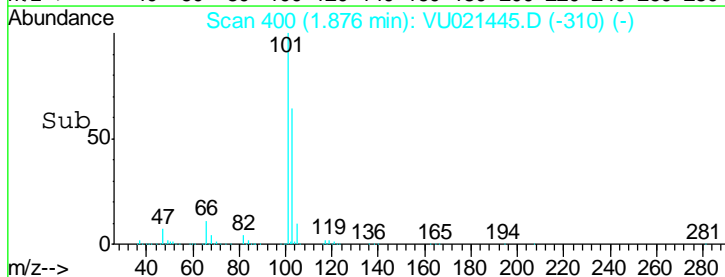
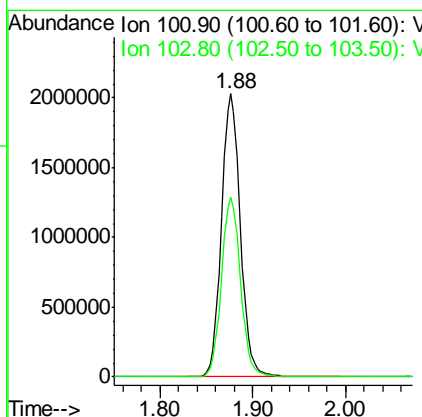
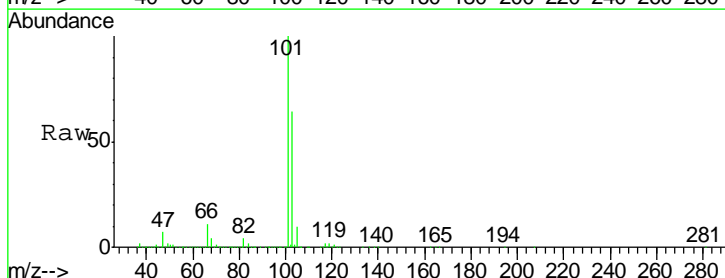
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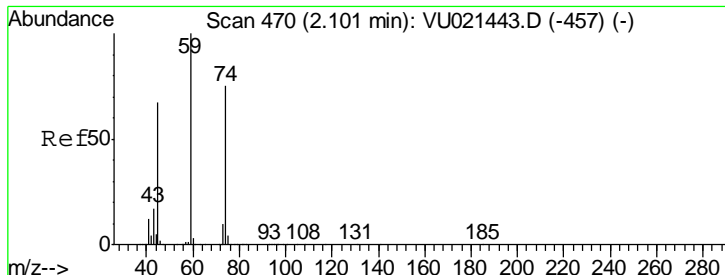


#7
 Trichlorofluoromethane
 Concen: 124.29 ug/l
 RT: 1.88 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 101 Resp: 2868558

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.8	77.8





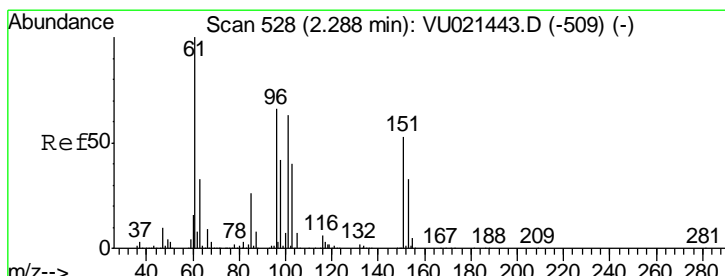
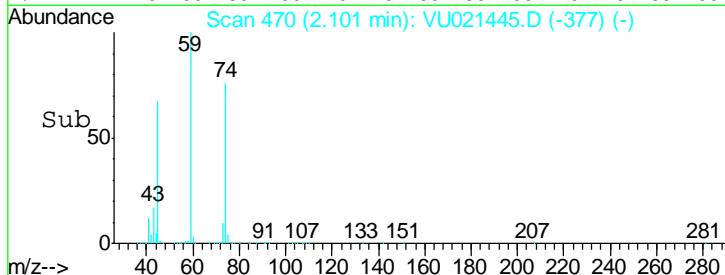
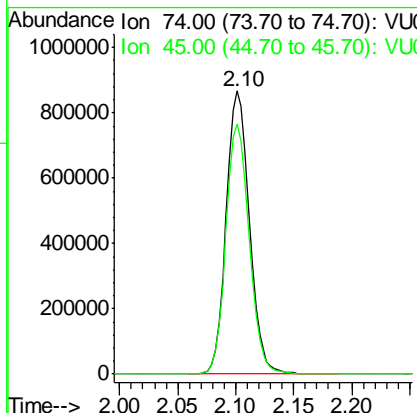
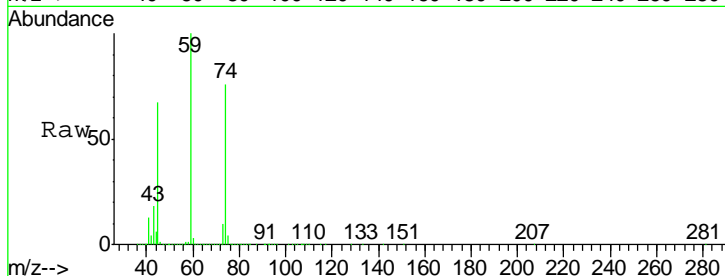
#8
 Diethyl Ether
 Concen: 140.40 ug/l
 RT: 2.10 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
74	100		
45	89.0	50.5	151.6

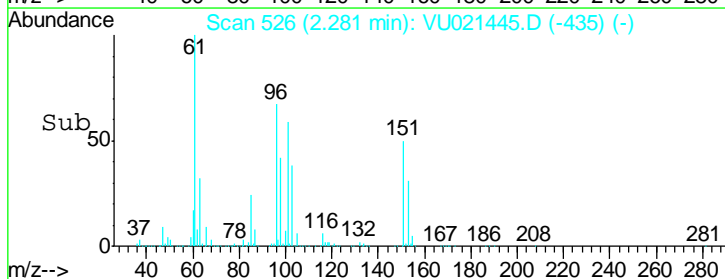
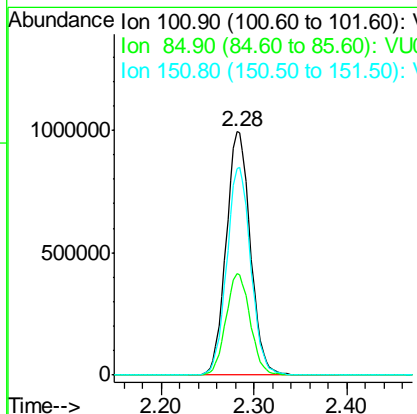
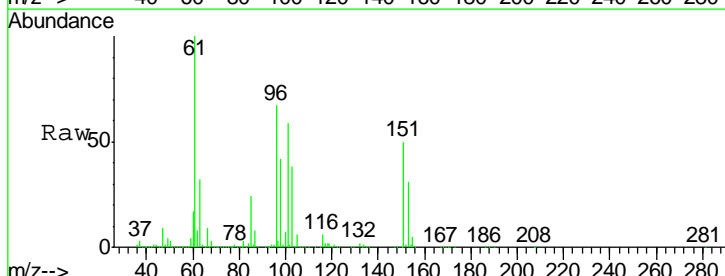
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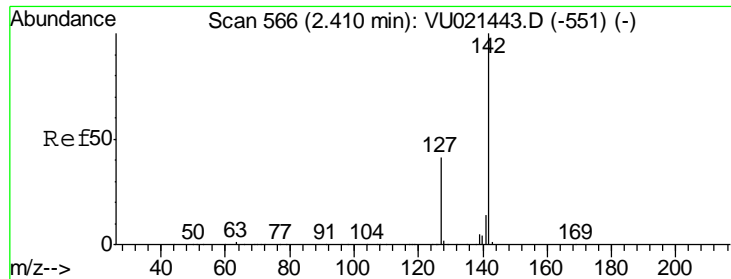
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#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 127.29 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
101	100		
85	41.5	34.8	52.2
151	84.8	64.8	97.2





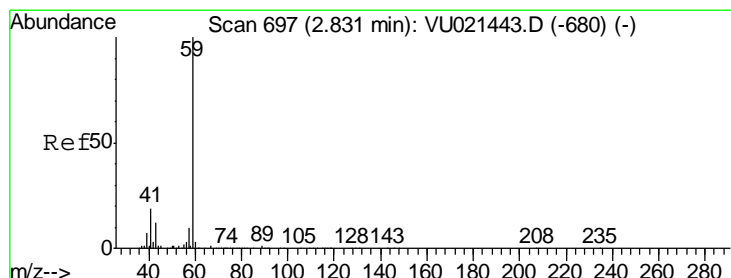
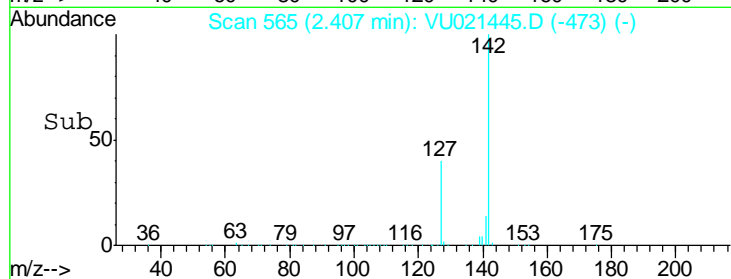
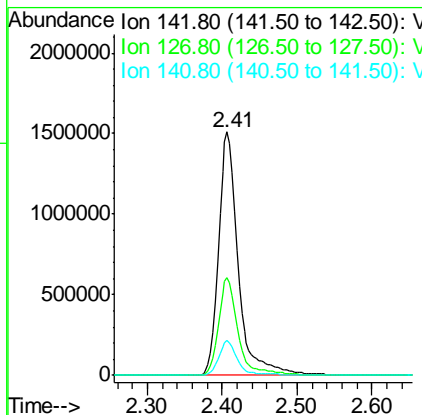
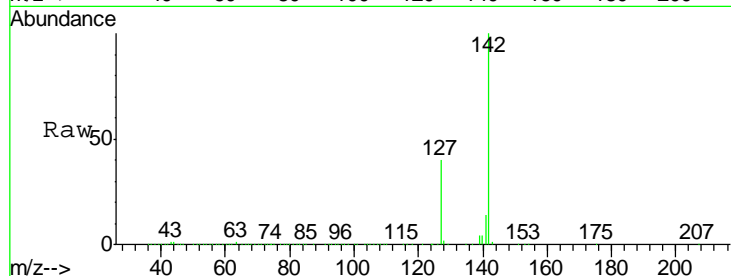
#10
Methyl Iodide
Concen: 177.54 ug/l
RT: 2.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VU021445.D
Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
142	2762004		
127	40.0	34.9	52.3
141	13.9	11.4	17.0

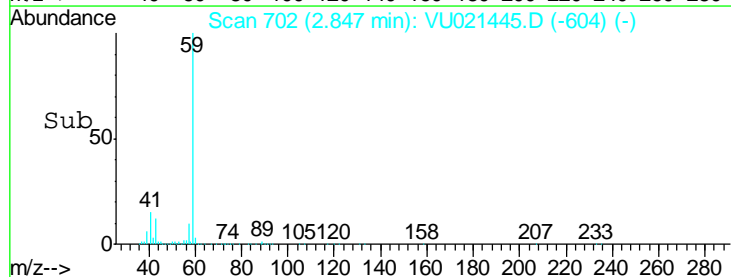
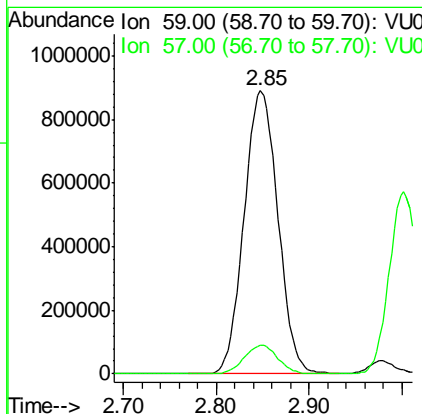
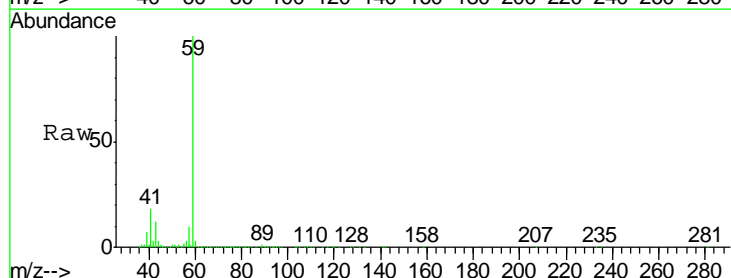
Manual Integrations
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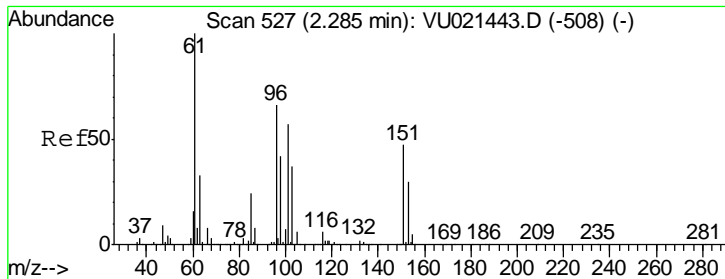
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#11
Tert butyl alcohol
Concen: 702.20 ug/l
RT: 2.85 min Scan# 702
Delta R.T. 0.02 min
Lab File: VU021445.D
Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
59	2257463		
57	10.0	8.2	12.4





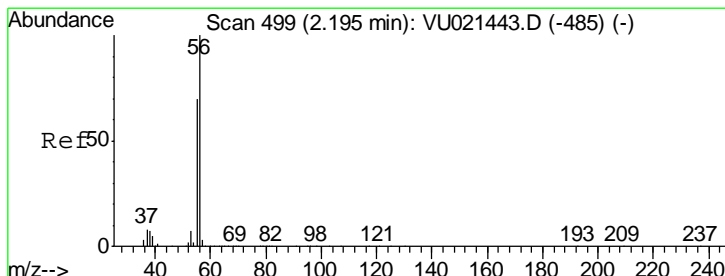
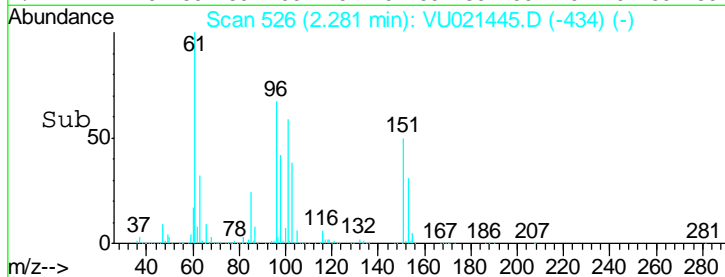
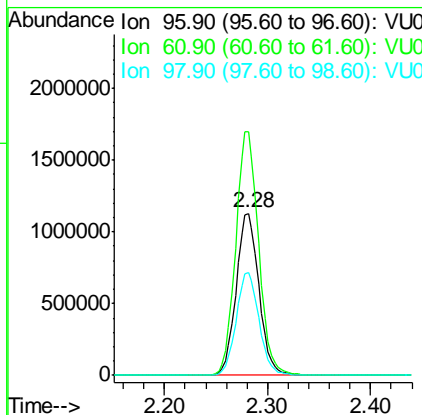
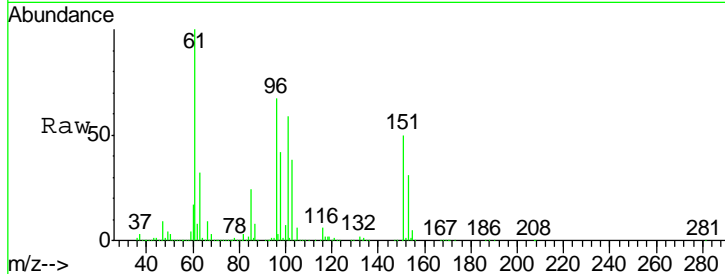
#12
 1,1-Dichloroethene
 Concen: 126.78 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	1734947		
96	100		
61	149.9	129.1	193.7
98	63.7	51.2	76.8

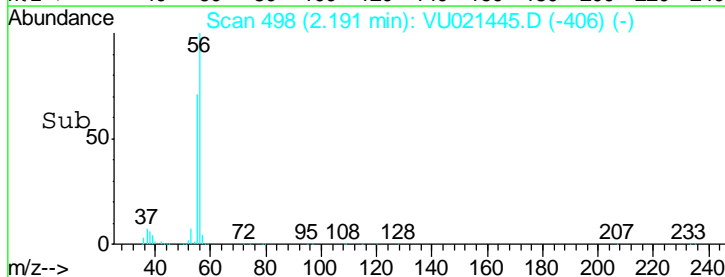
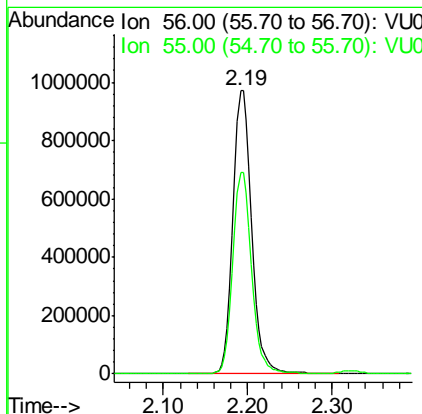
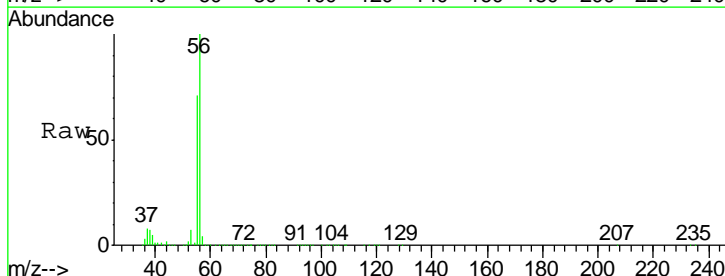
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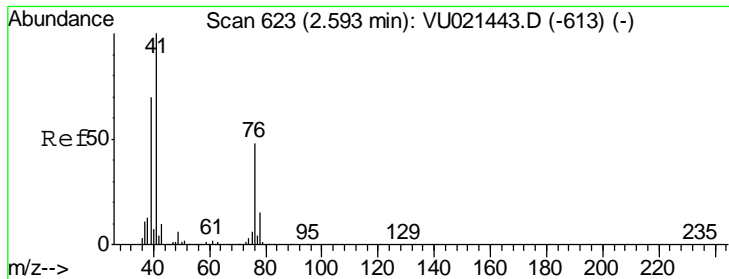
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#13
 Acrolein
 Concen: 619.20 ug/l
 RT: 2.19 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
56	1505204		
56	100		
55	71.3	58.0	87.0





#14
 Allyl chloride
 Concen: 160.09 ug/l
 RT: 2.59 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

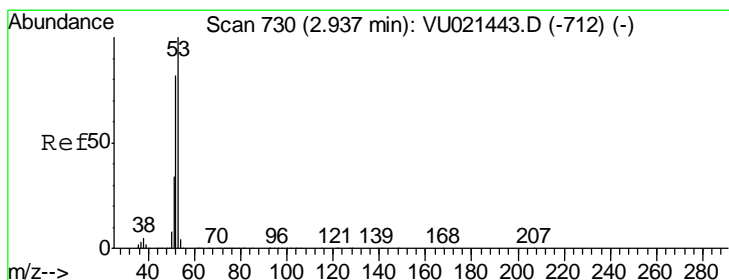
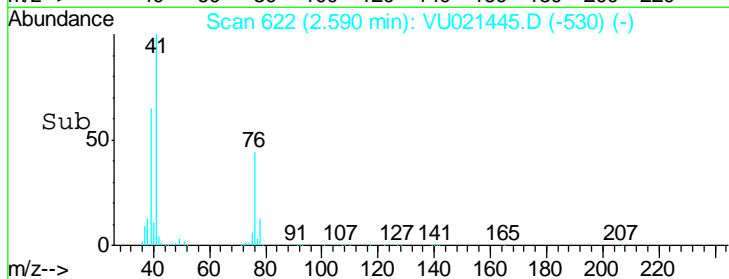
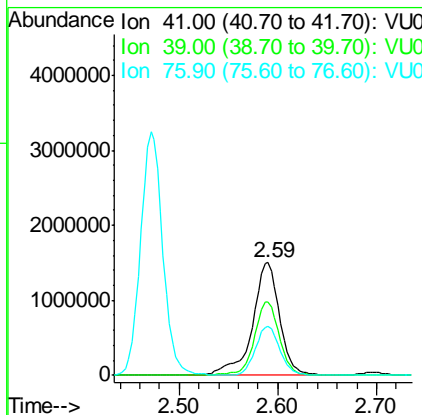
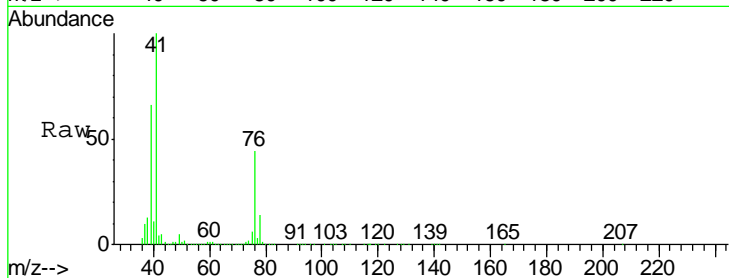
Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion: 41 Resp: 2852189

Ion	Ratio	Lower	Upper
41	100		
39	59.9	54.2	81.4
76	38.7	29.1	43.7

Manual Integrations
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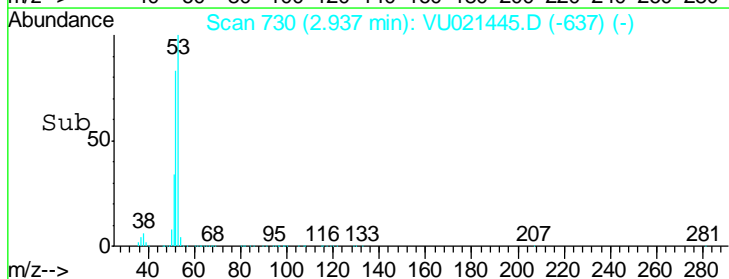
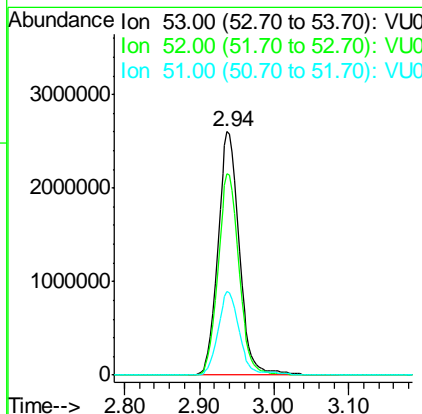
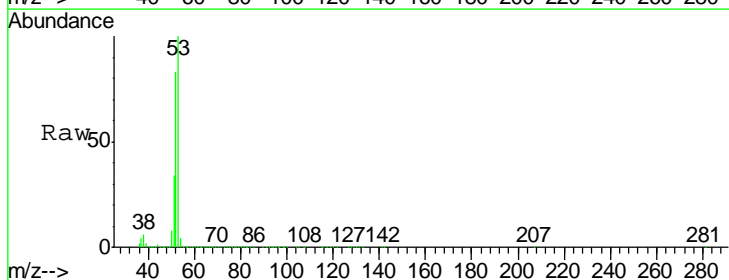
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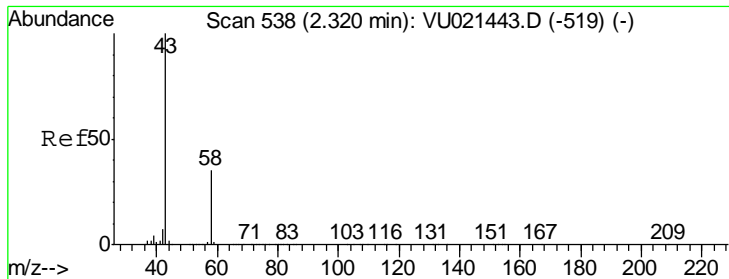


#15
 Acrylonitrile
 Concen: 774.07 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 53 Resp: 5132161

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.8	100.2
51	34.6	27.3	40.9





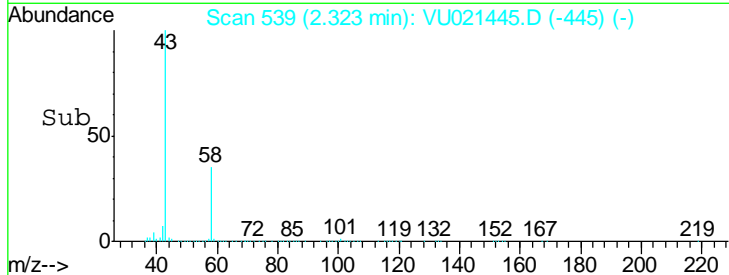
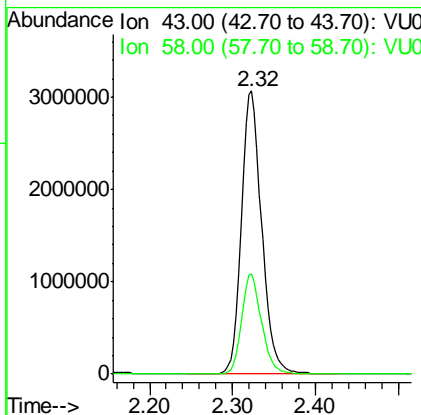
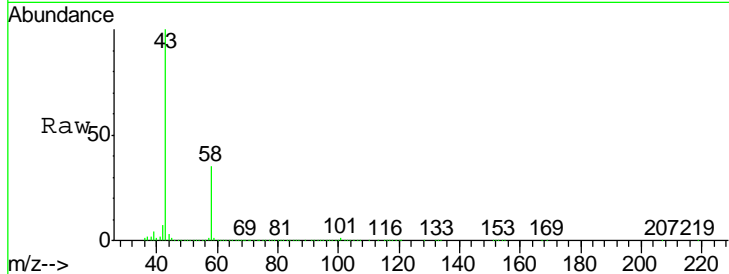
#16
 Acetone
 Concen: 716.82 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
58	35.3	26.7	40.1

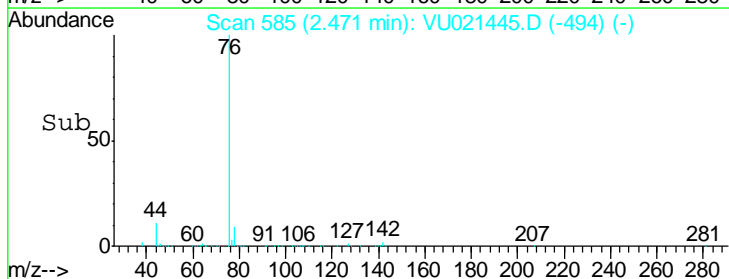
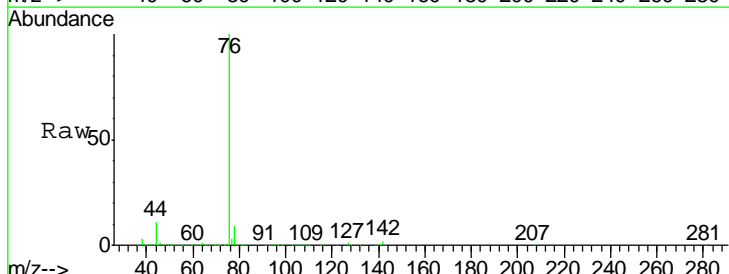
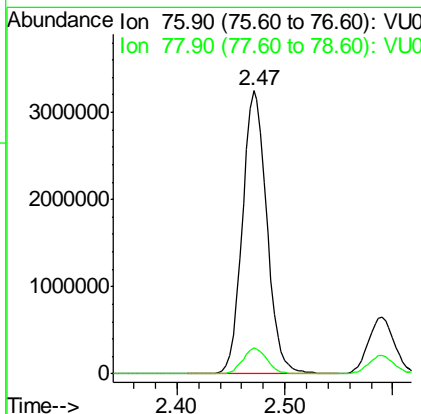
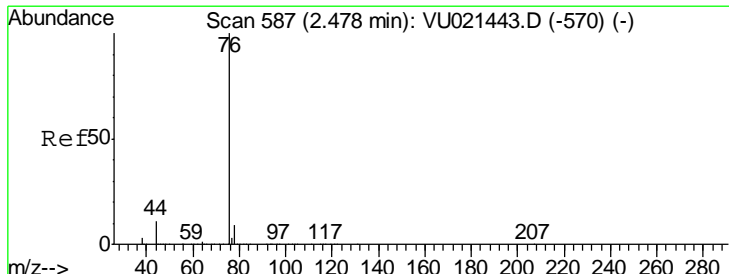
Manual Integrations
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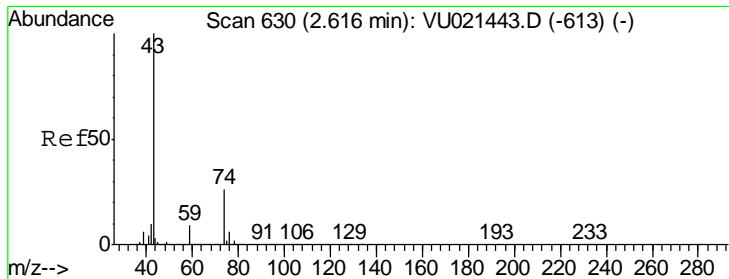
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#17
 Carbon Disulfide
 Concen: 130.03 ug/l
 RT: 2.47 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.1	7.4	11.0



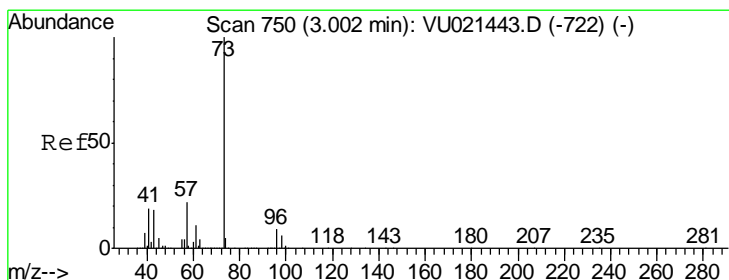
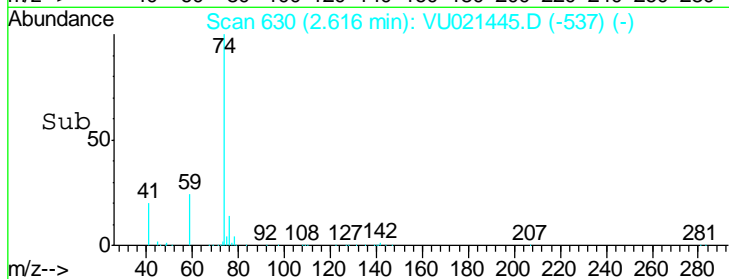
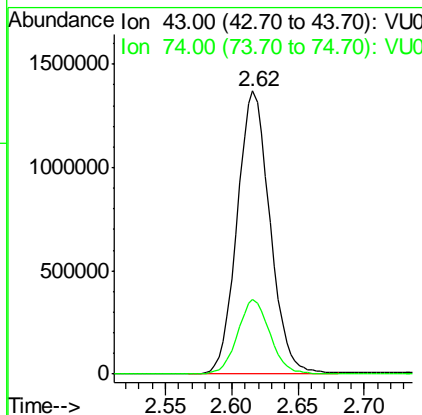
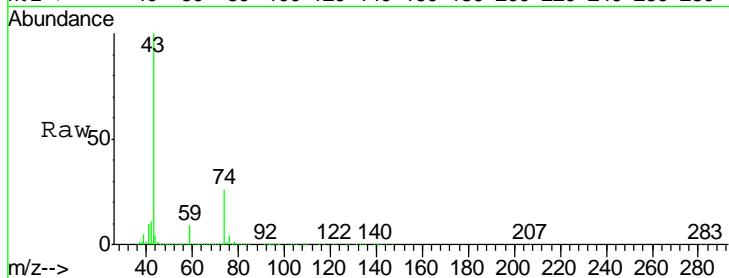


#18
 Methyl Acetate
 Concen: 161.46 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
43	100		
74	26.4	18.6	27.8

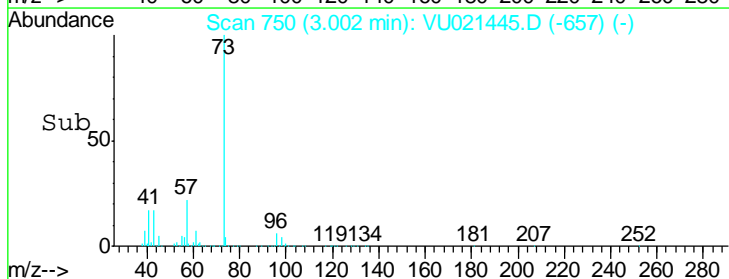
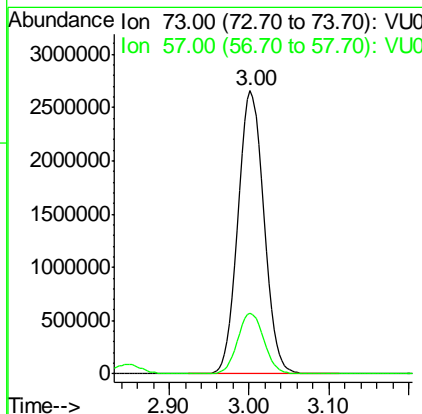
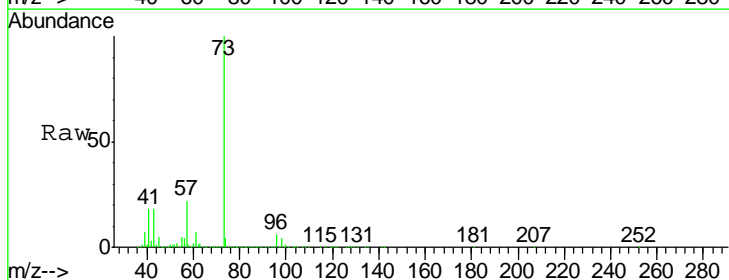
Instrument : MSVOA_U
 Client Sampled : VSTDIC150

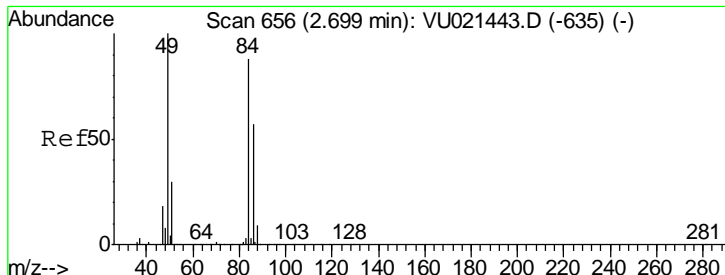
Manual Integrations APPROVED
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#19
 Methyl tert-butyl Ether
 Concen: 133.70 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
73	100		
57	21.5	17.6	26.4





#20
 Methylene Chloride
 Concen: 134.82 ug/l
 RT: 2.70 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

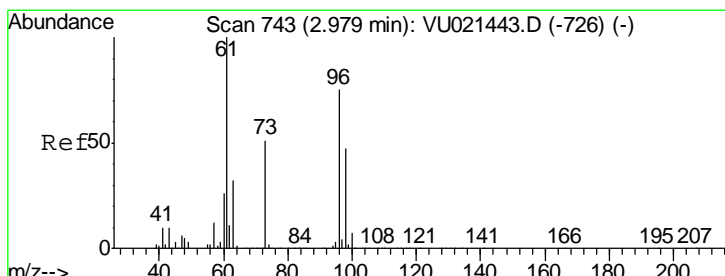
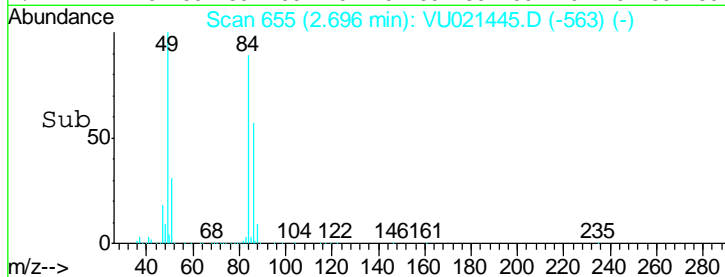
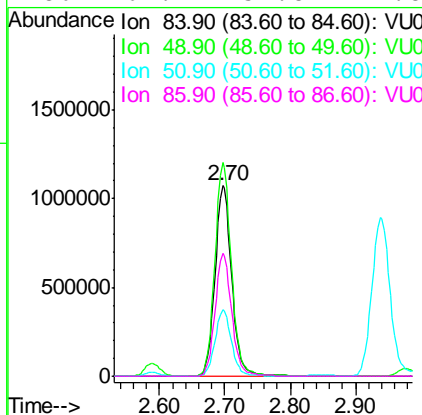
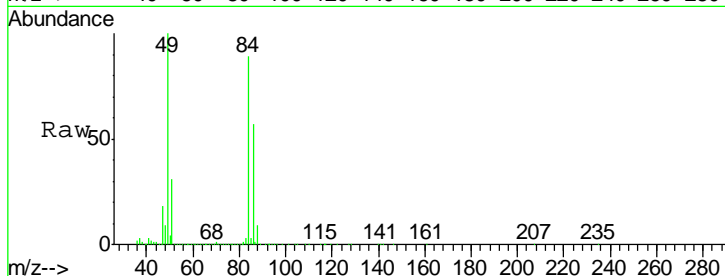
Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion: 84 Resp: 1910523

Ion	Ratio	Lower	Upper
84	100		
49	112.1	100.3	150.5
51	34.9	32.2	48.2
86	64.4	51.8	77.8

Manual Integrations
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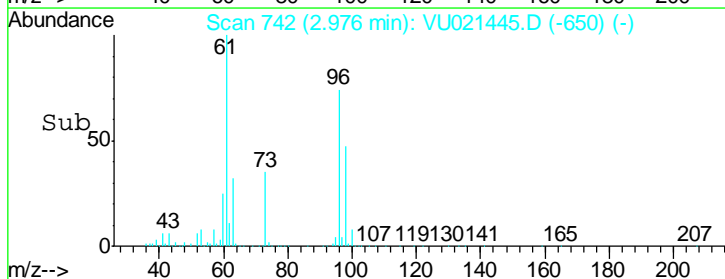
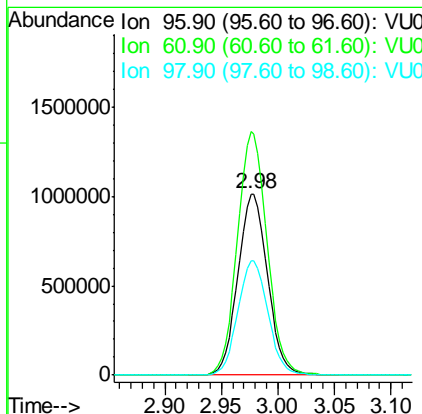
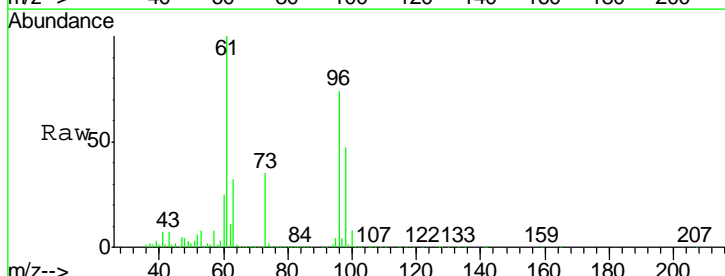
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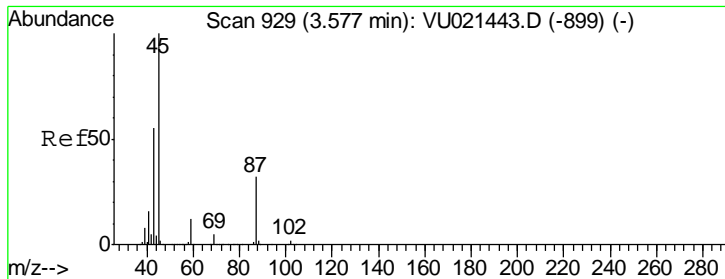


#21
 trans-1,2-Dichloroethene
 Concen: 130.59 ug/l
 RT: 2.98 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 96 Resp: 1856395

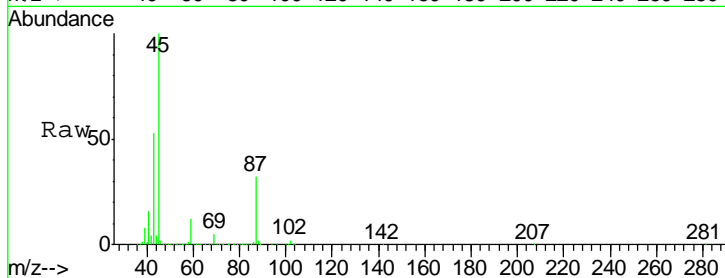
Ion	Ratio	Lower	Upper
96	100		
61	134.4	113.6	170.4
98	63.1	51.0	76.6





#22
 Diisopropyl ether
 Concen: 161.97 ug/l
 RT: 3.58 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

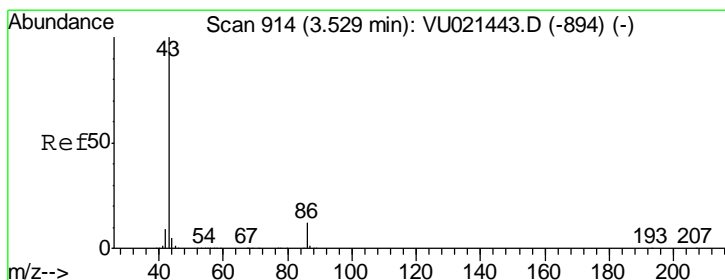
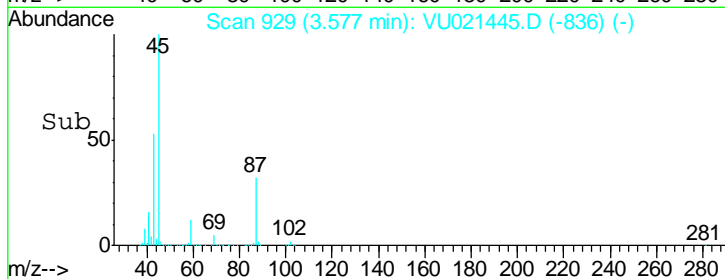
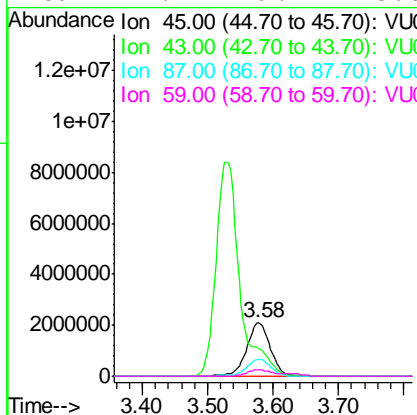


Tgt Ion: 45 Resp: 5286664

Ion	Ratio	Lower	Upper
45	100		
43	53.0	42.6	63.8
87	32.2	21.0	31.6#
59	12.4	9.2	13.8

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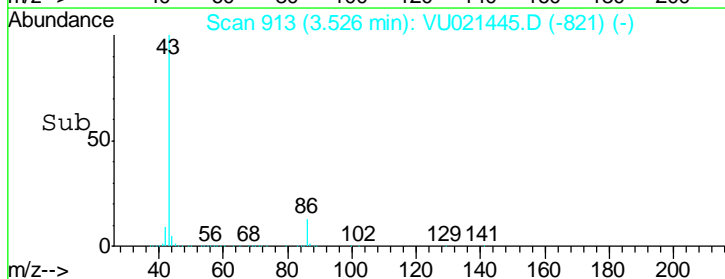
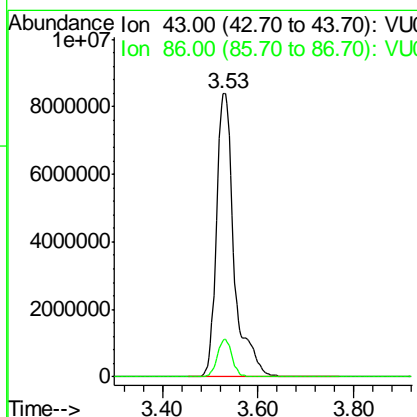
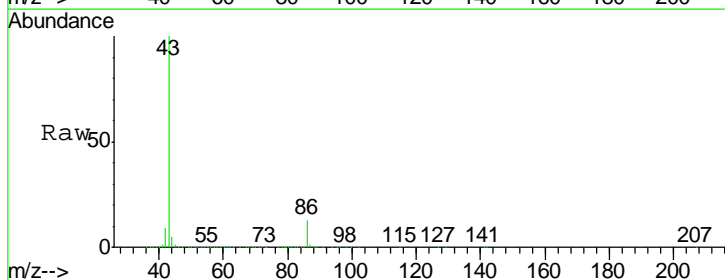
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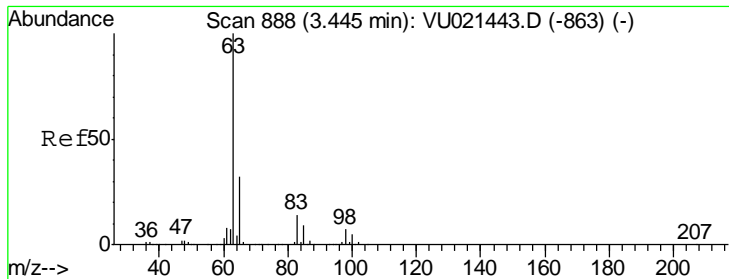


#23
 Vinyl Acetate
 Concen: 810.55 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 43 Resp: 21482672

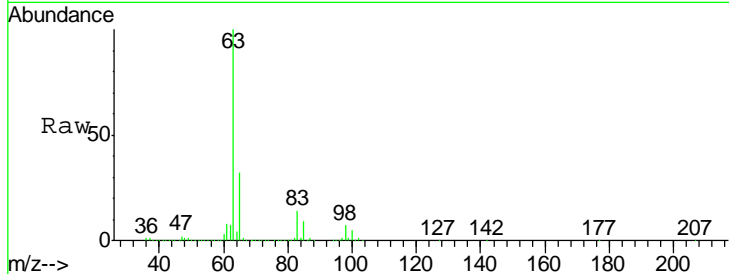
Ion	Ratio	Lower	Upper
43	100		
86	12.8	8.0	12.0#





#24
 1,1-Dichloroethane
 Concen: 158.12 ug/l
 RT: 3.44 min Scan# 887
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

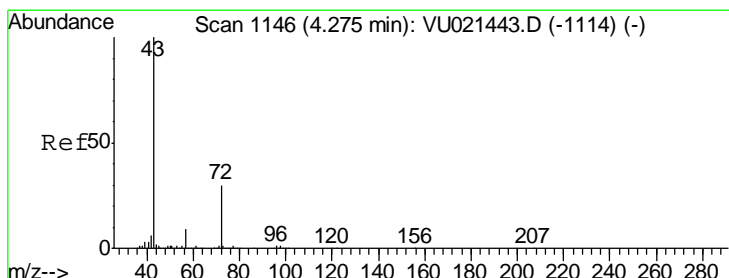
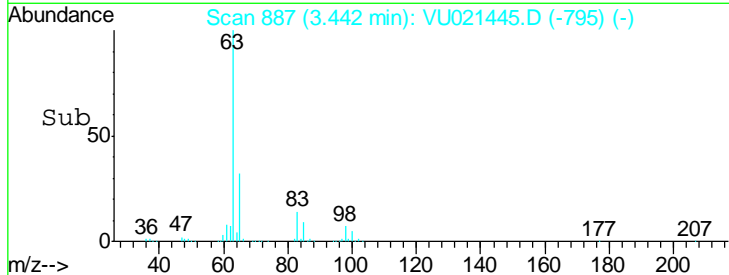
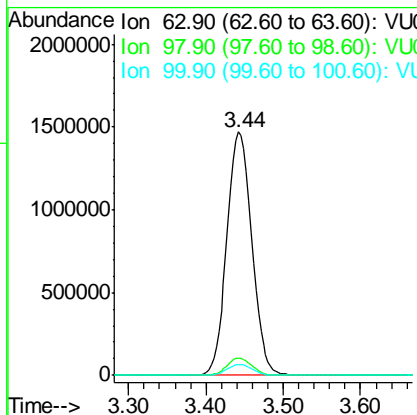


Tgt Ion: 63 Resp: 3282507

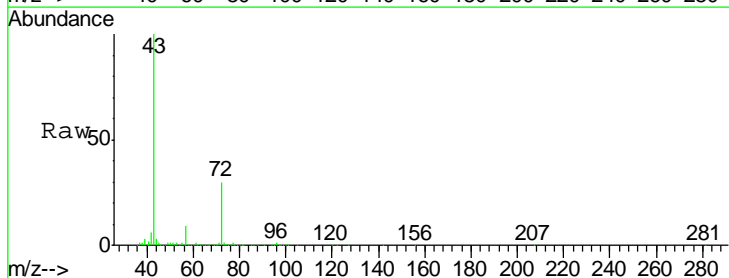
Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.4
100	4.5	2.0	5.8

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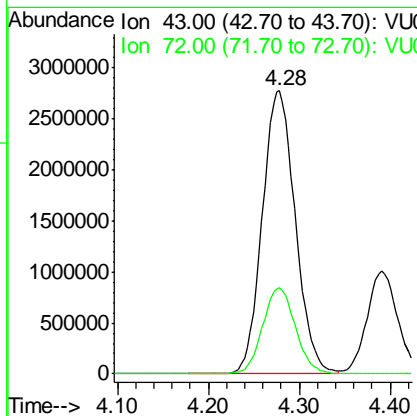
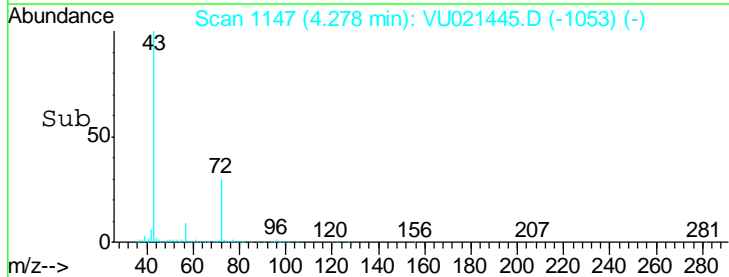


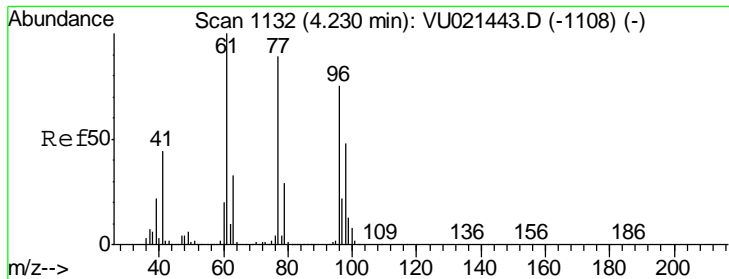
#25
 2-Butanone
 Concen: 887.83 ug/l
 RT: 4.28 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08



Tgt Ion: 43 Resp: 6978326

Ion	Ratio	Lower	Upper
43	100		
72	30.5	21.4	32.0





#26
 2,2-Dichloropropane
 Concen: 147.70 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

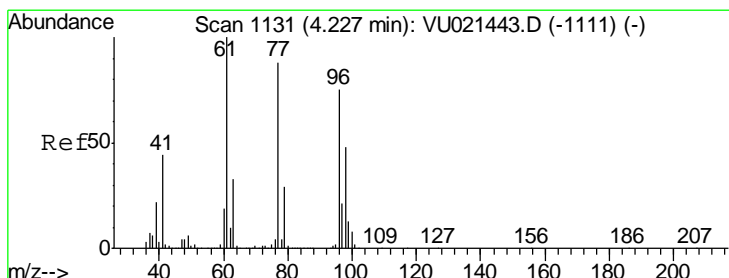
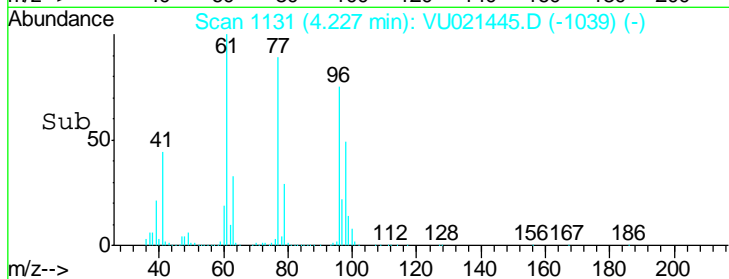
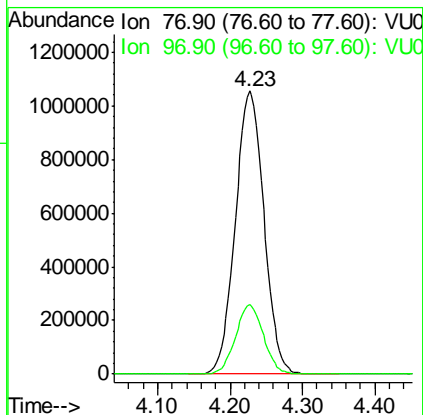
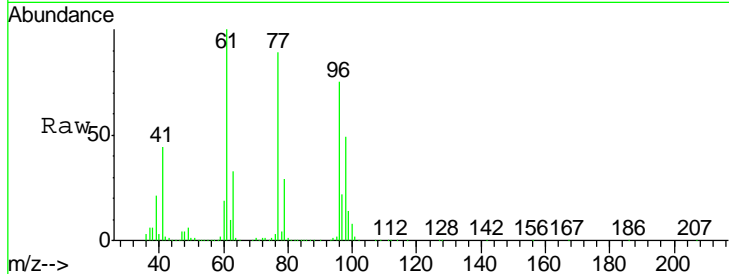
Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion: 77 Resp: 2894469

Ion	Ratio	Lower	Upper
77	100		
97	24.0	11.9	35.9

Manual Integrations
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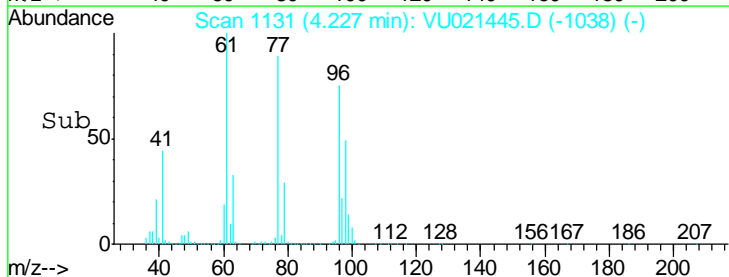
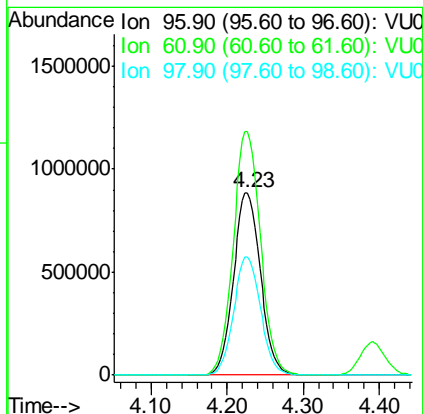
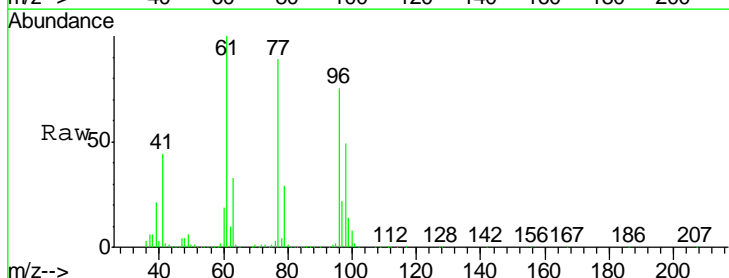
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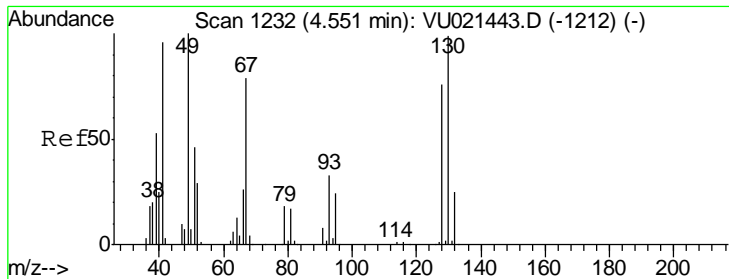


#27
 cis-1,2-Dichloroethene
 Concen: 153.14 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 96 Resp: 2178813

Ion	Ratio	Lower	Upper
96	100		
61	135.4	0.0	273.2
98	64.8	0.0	128.6





#28
 Bromochloromethane
 Concen: 153.26 ug/l
 RT: 4.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

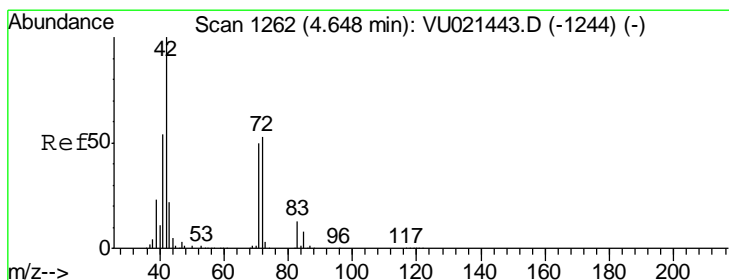
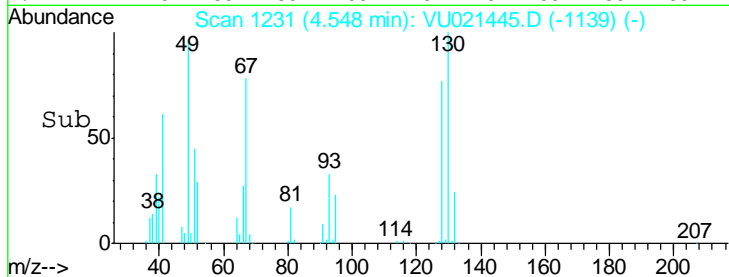
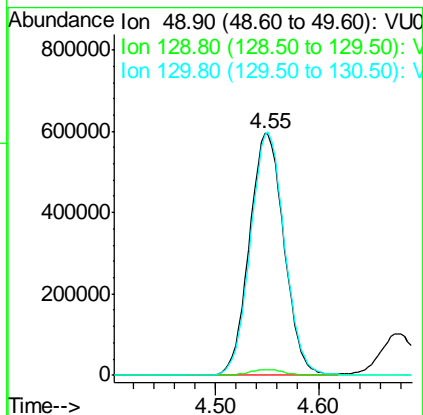
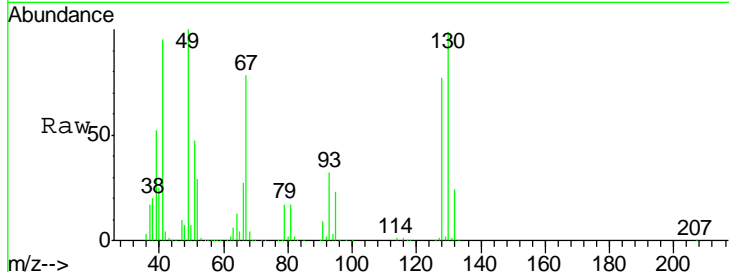
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150

Tgt Ion: 49 Resp: 1385860

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	99.1	69.0	103.4

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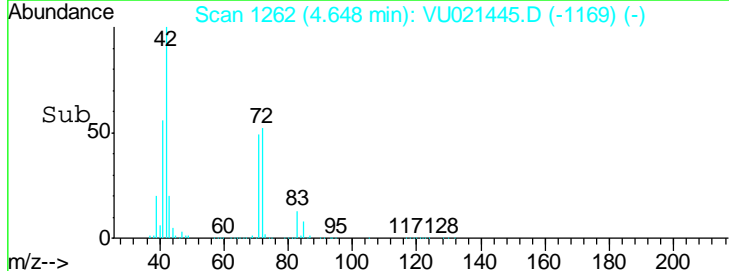
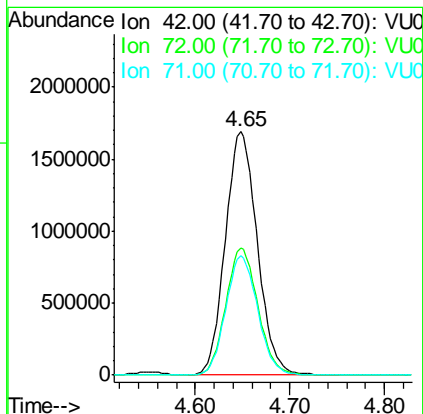
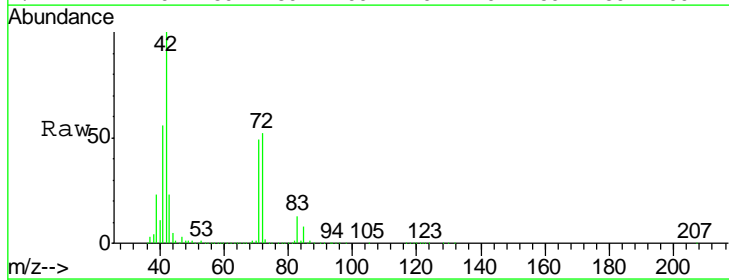
1/4/2018 11:18:52 AM

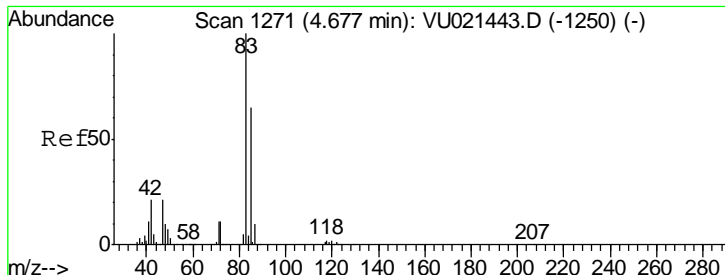


#29
 Tetrahydrofuran
 Concen: 839.26 ug/l
 RT: 4.65 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 42 Resp: 3949406

Ion	Ratio	Lower	Upper
42	100		
72	52.8	36.9	55.3
71	49.2	34.5	51.7





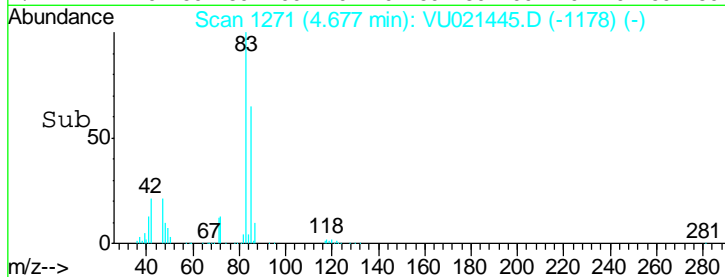
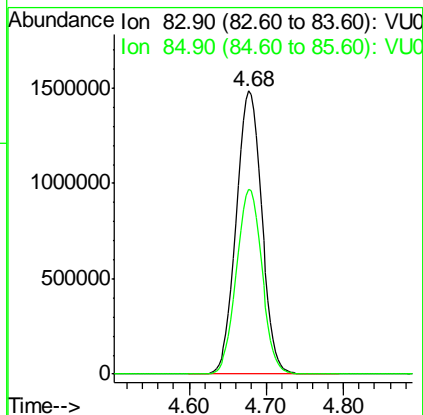
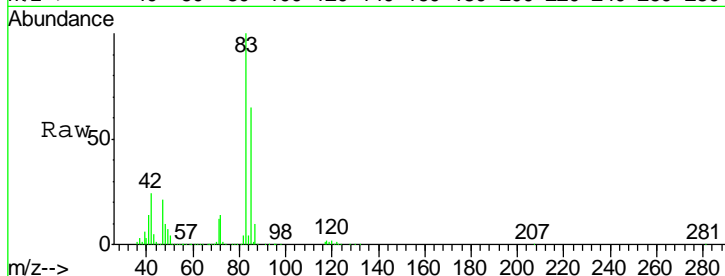
#30
 Chloroform
 Concen: 150.35 ug/l
 RT: 4.68 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	3401992		
83	100		
85	65.3	49.9	74.9

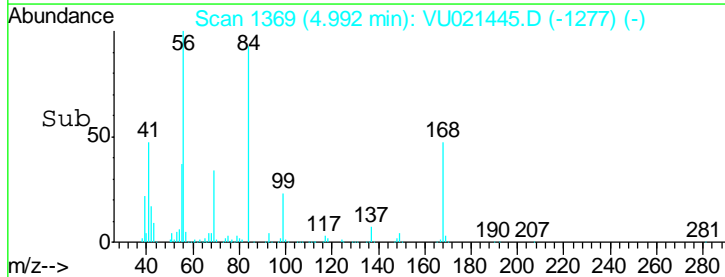
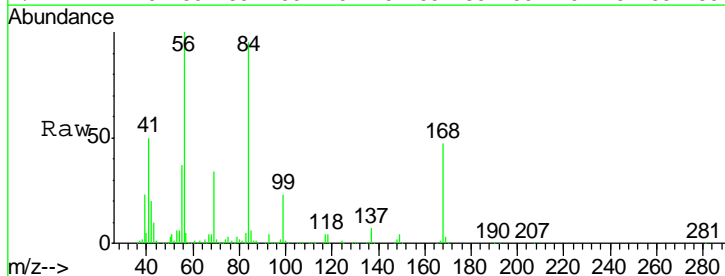
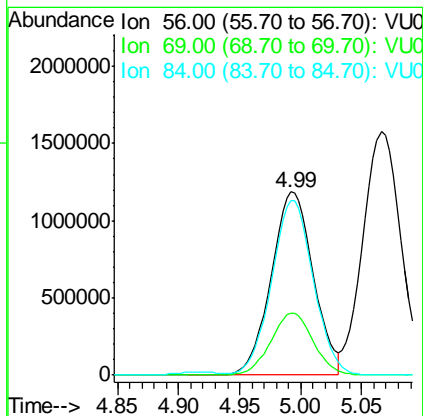
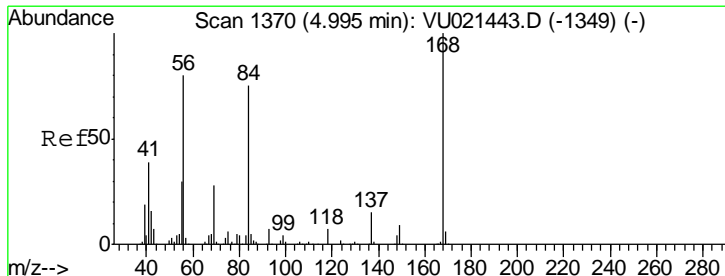
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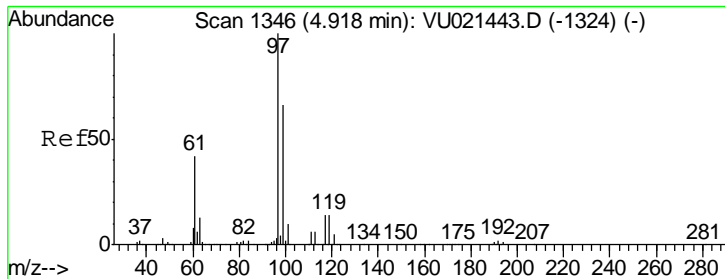
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#31
 Cyclohexane
 Concen: 124.16 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
56	2855006		
56	100		
69	33.9	26.5	39.7
84	93.6	70.6	105.8





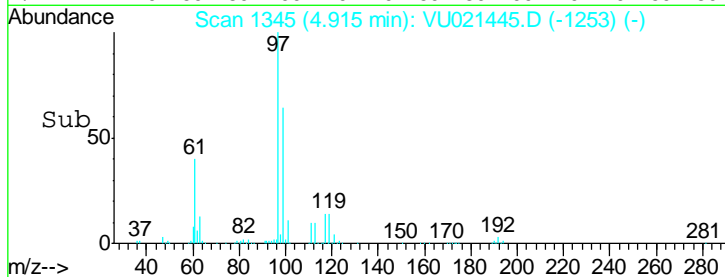
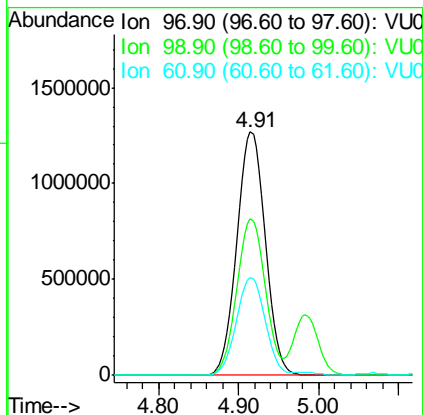
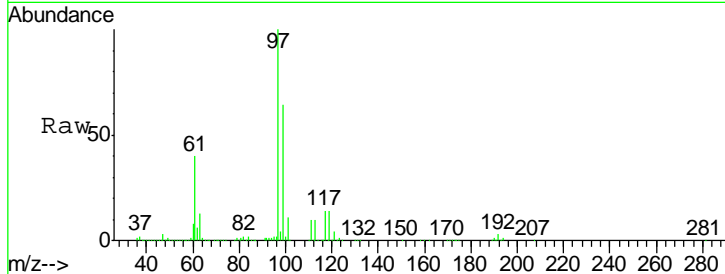
#32
 1,1,1-Trichloroethane
 Concen: 145.86 ug/l
 RT: 4.91 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	40.7	35.0	52.6

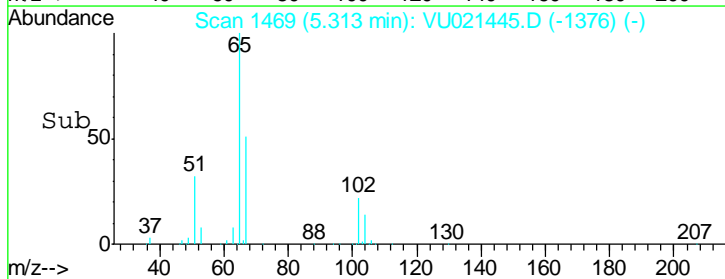
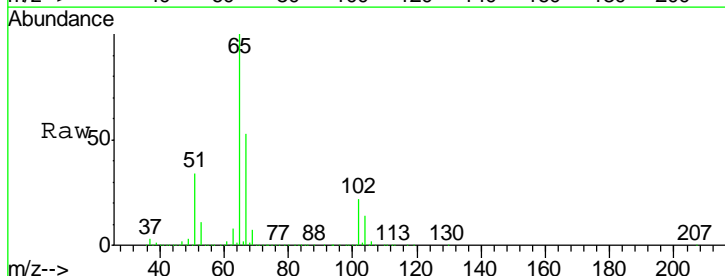
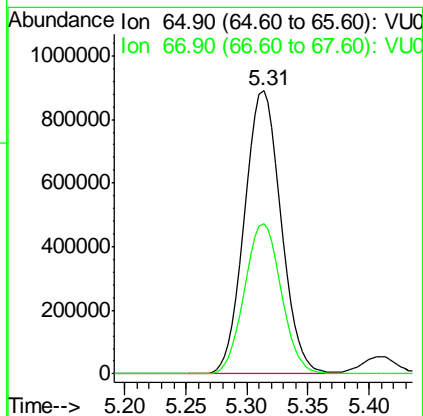
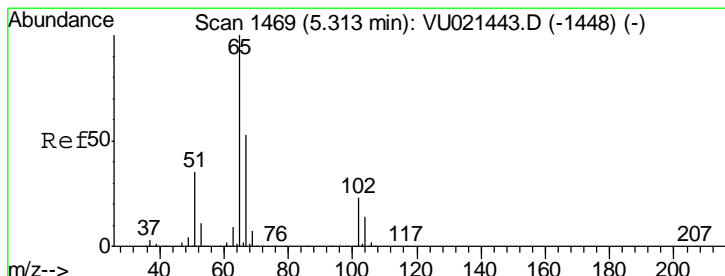
Manual Integrations
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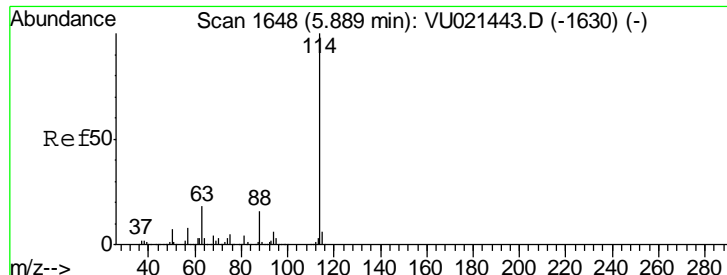
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#33
 1,2-Dichloroethane-d4
 Concen: 144.52 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

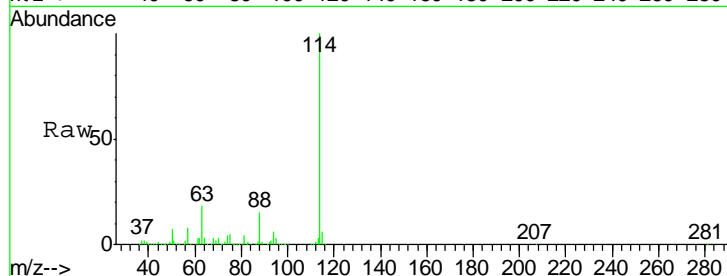
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.5	0.0	109.2





#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

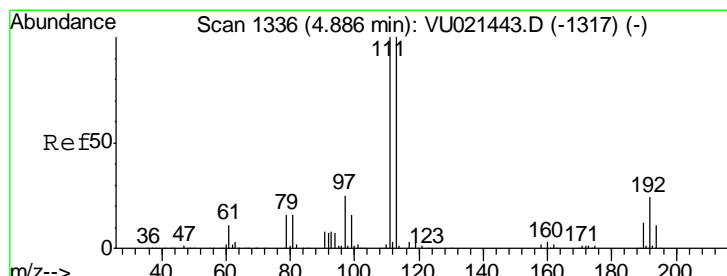
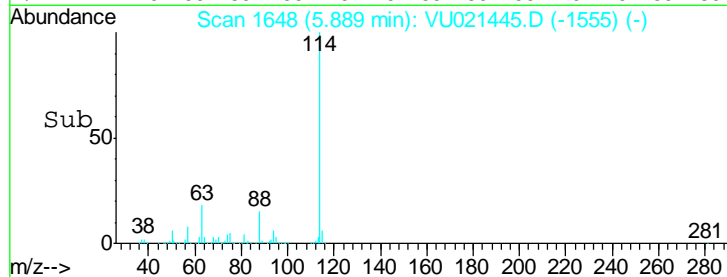
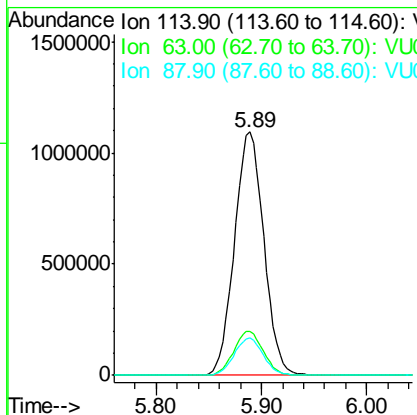


Tgt Ion: 114 Resp: 2116935

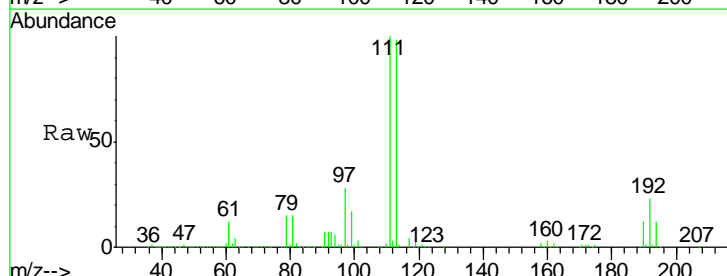
Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.6
88	15.2	0.0	29.8

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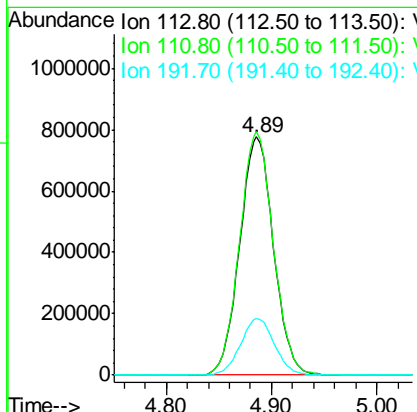
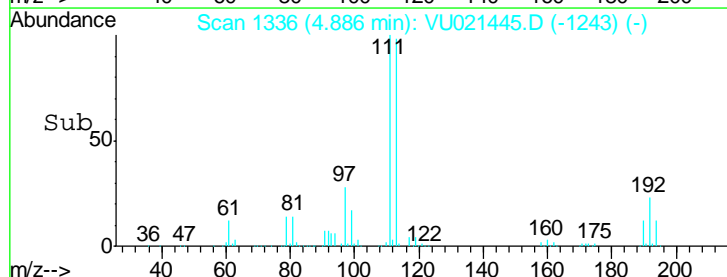


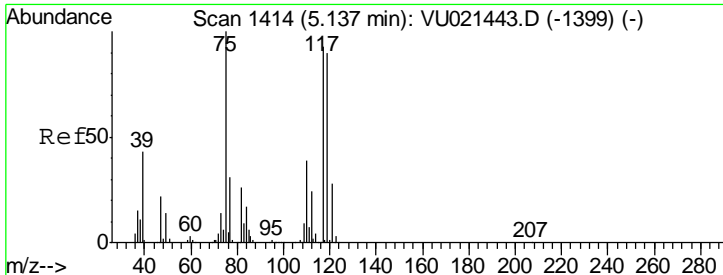
#35
 Dibromofluoromethane
 Concen: 133.90 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08



Tgt Ion: 113 Resp: 1731708

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.2	121.8
192	23.9	18.2	27.2





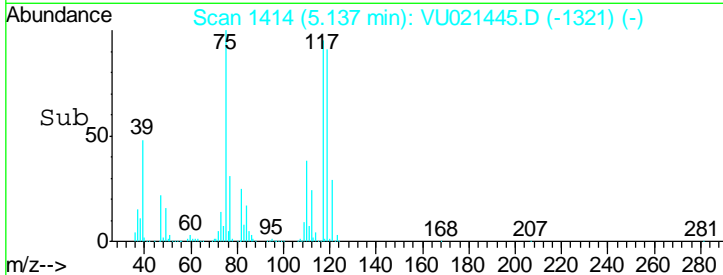
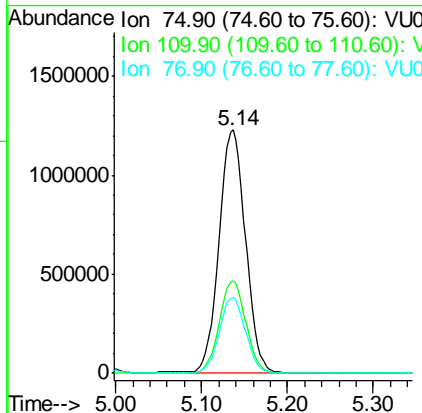
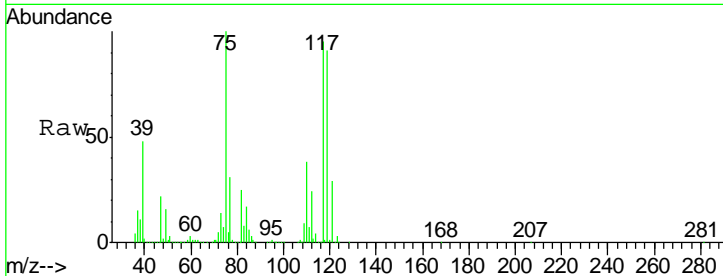
#36
 1,1-Dichloropropene
 Concen: 146.81 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	100		
110	38.2	18.5	55.5
77	30.9	25.0	37.6

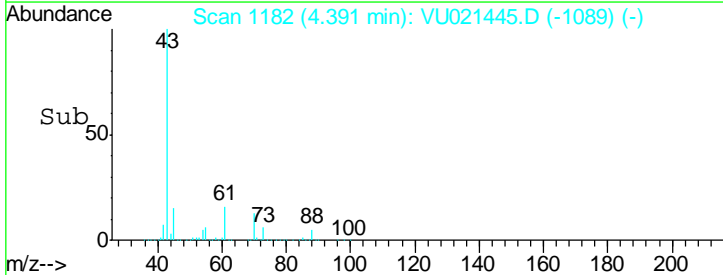
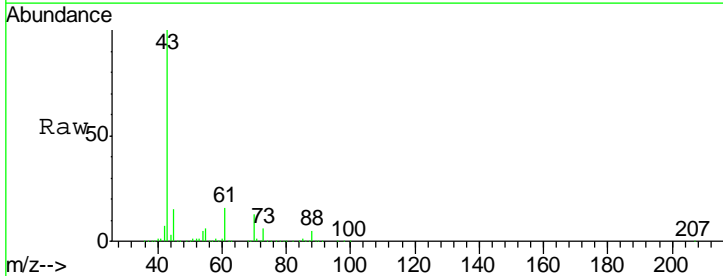
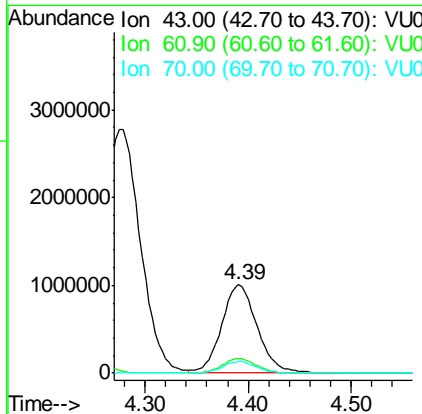
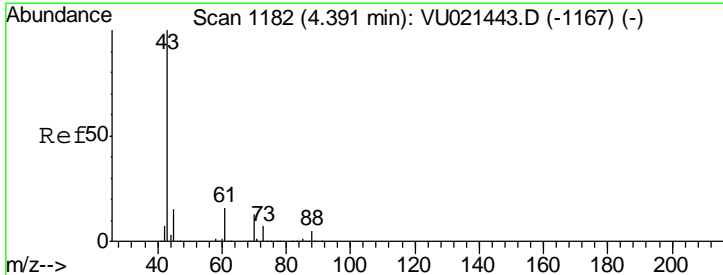
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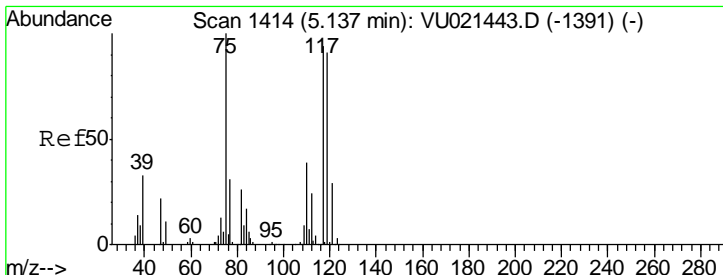
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#37
 Ethyl Acetate
 Concen: 163.97 ug/l
 RT: 4.39 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

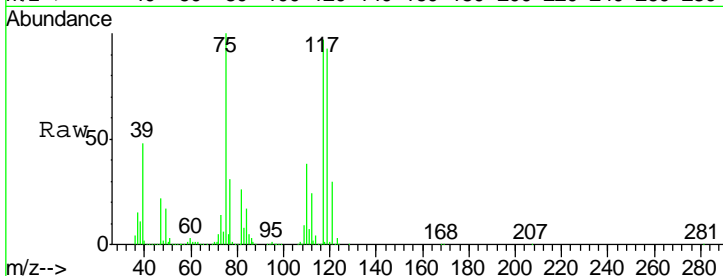
Tgt Ion	Resp	Lower	Upper
43	100		
61	15.8	11.8	17.8
70	12.6	8.6	12.8





#38
 Carbon Tetrachloride
 Concen: 135.53 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

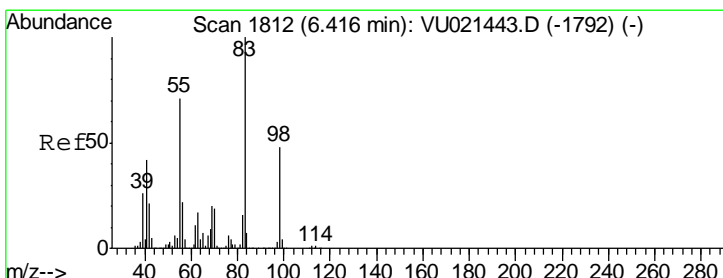
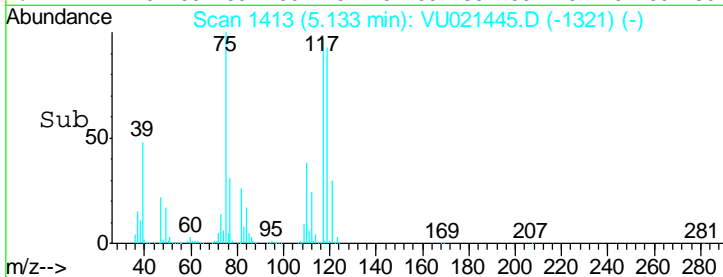
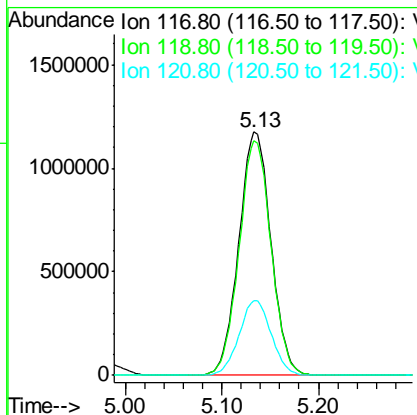


Tgt Ion: 117 Resp: 2704323

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.3	115.9
121	30.8	24.9	37.3

Manual Integrations
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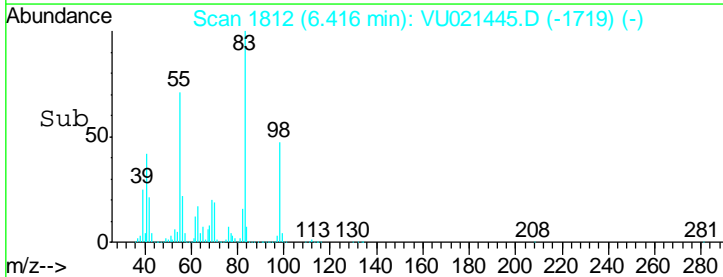
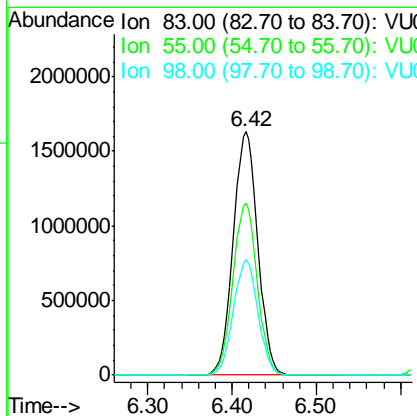
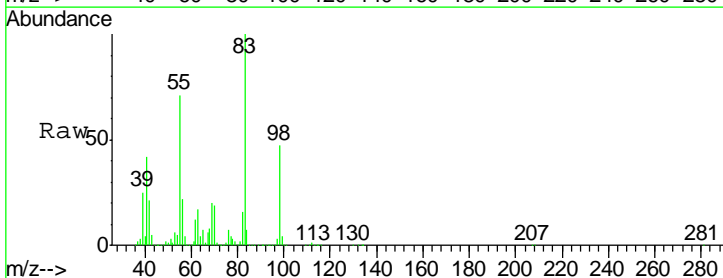
1/4/2018 11:18:52 AM

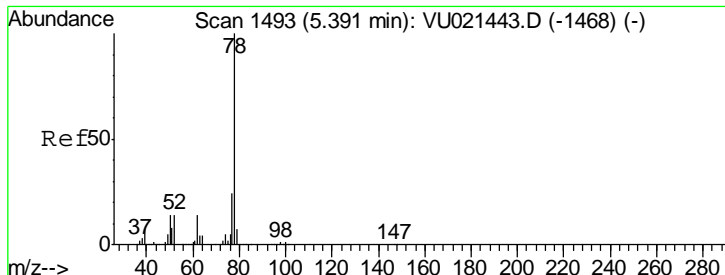


#39
 Methylcyclohexane
 Concen: 139.49 ug/l
 RT: 6.42 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 83 Resp: 3296944

Ion	Ratio	Lower	Upper
83	100		
55	70.7	61.6	92.4
98	47.3	37.4	56.2





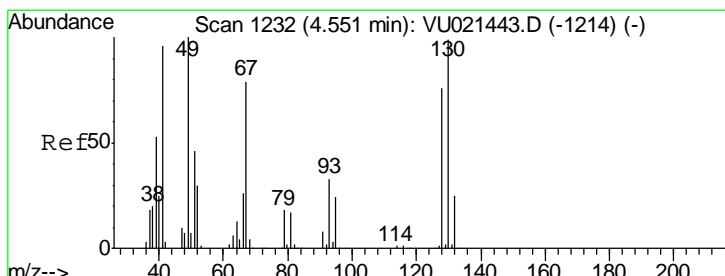
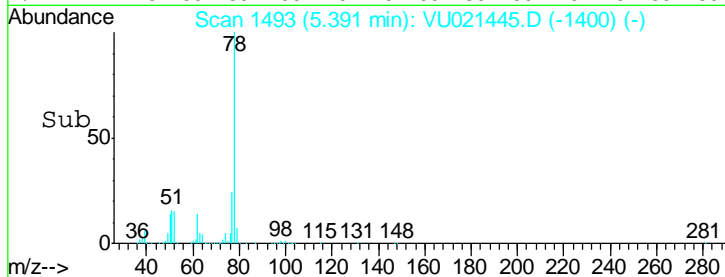
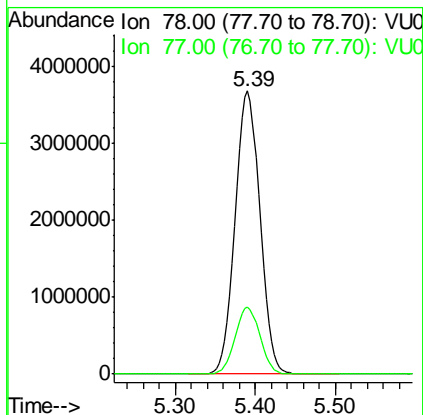
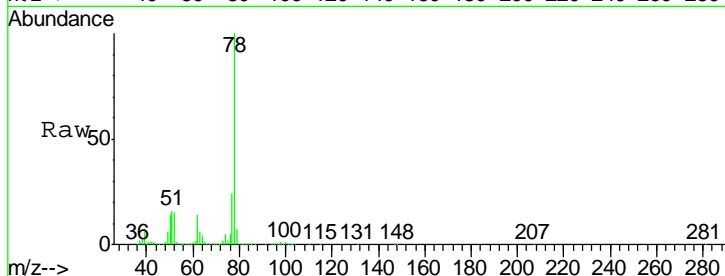
#40
Benzene
Concen: 145.02 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VU021445.D
Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.7	18.9	28.3

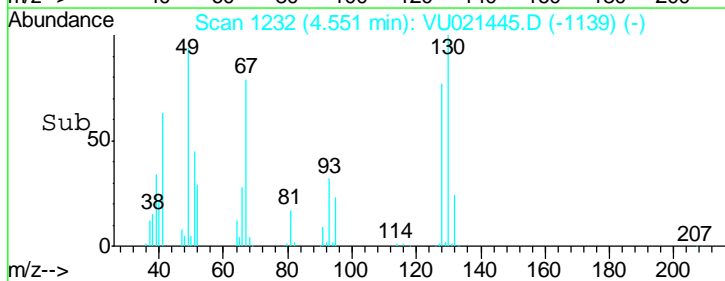
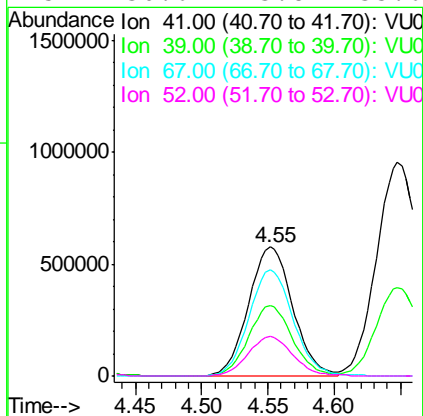
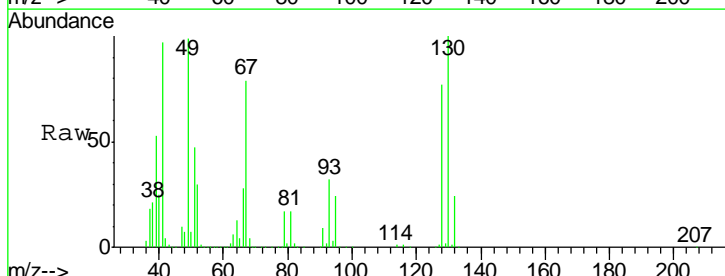
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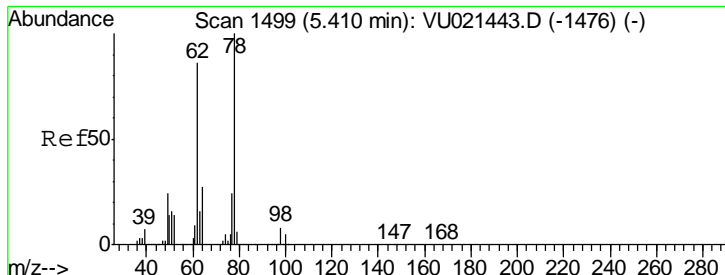
sam
1/4/2018 11:18:52 AM



#41
Methacrylonitrile
Concen: 161.63 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU021445.D
Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
41	100		
39	53.9	41.5	62.3
67	82.8	61.0	91.6
52	30.6	23.8	35.6





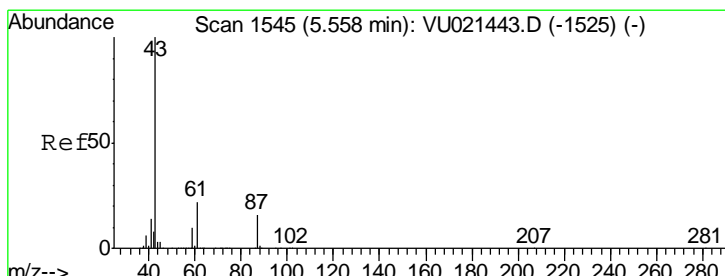
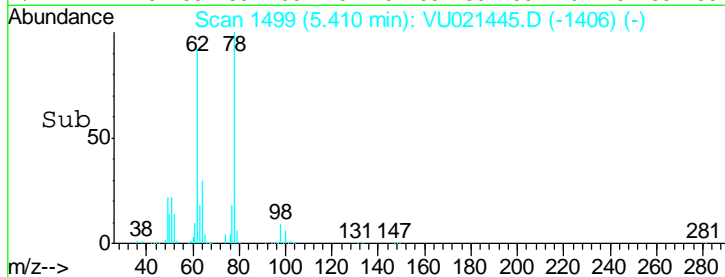
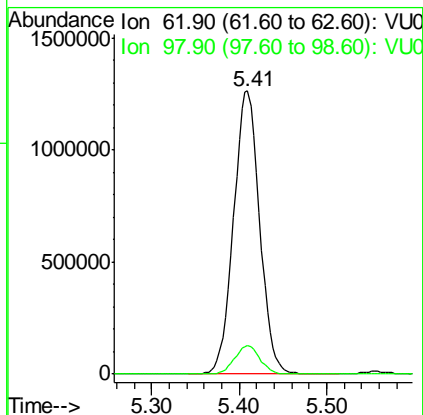
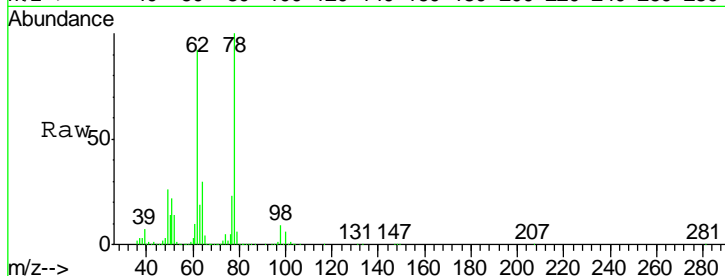
#42
 1,2-Dichloroethane
 Concen: 144.52 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.8	0.0	18.4

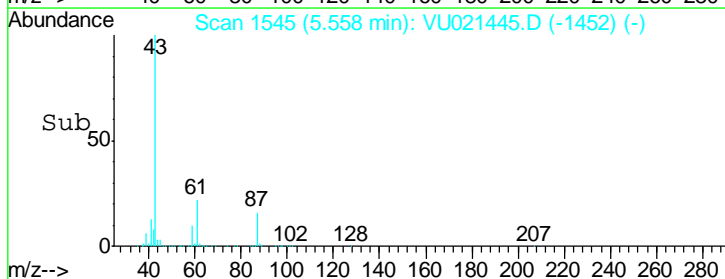
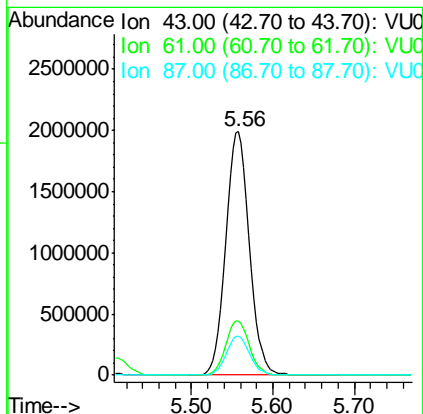
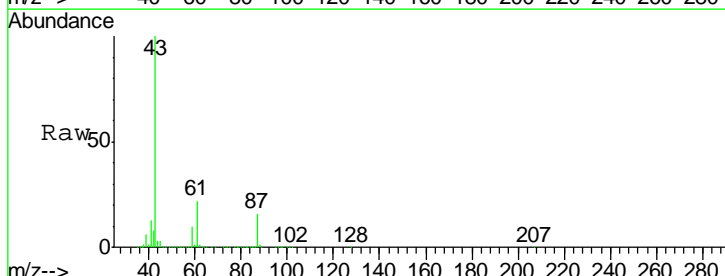
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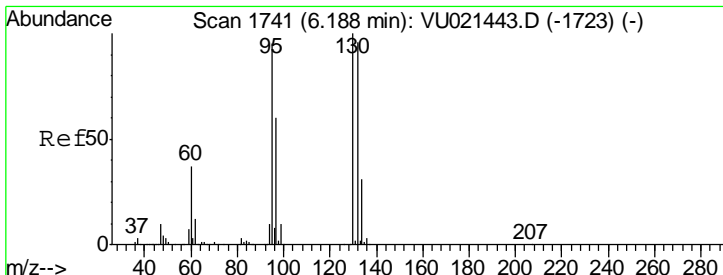
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#43
 Isopropyl Acetate
 Concen: 155.59 ug/l
 RT: 5.56 min Scan# 1545
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

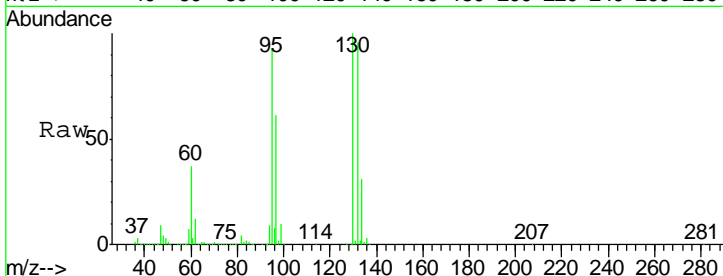
Tgt Ion	Resp	Lower	Upper
43	100		
61	22.5	16.5	24.7
87	15.9	11.4	17.0





#44
 Trichloroethene
 Concen: 135.97 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

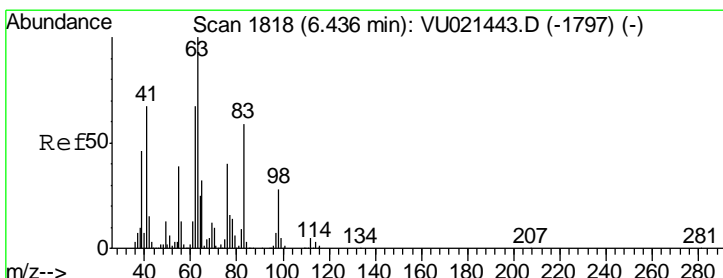
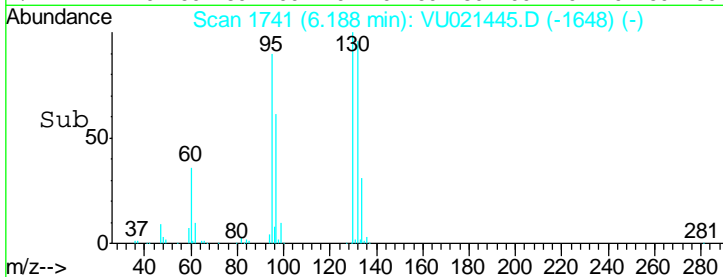
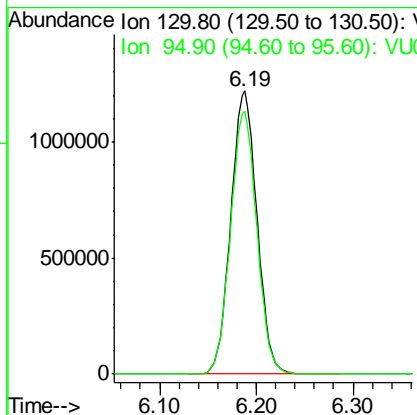


Tgt Ion: 130 Resp: 2287881

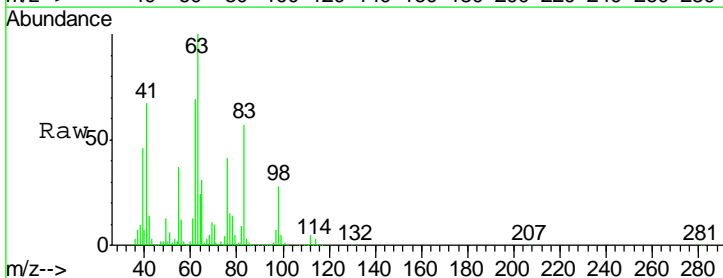
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	197.8

Manual Integrations
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1/4/2018 11:18:52 AM

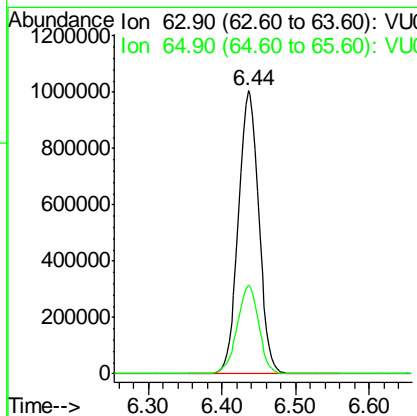
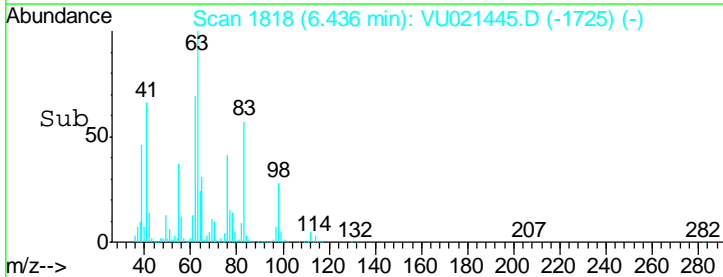


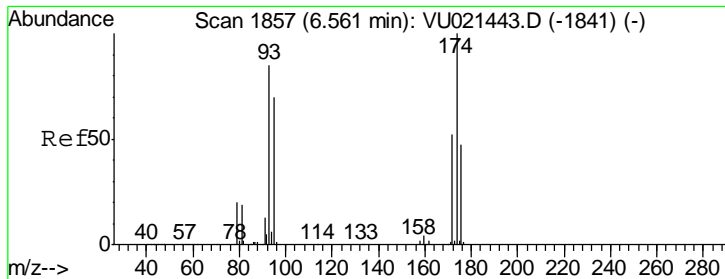
#45
 1,2-Dichloropropane
 Concen: 147.02 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08



Tgt Ion: 63 Resp: 1944957

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	37.0





#46
 Dibromomethane
 Concen: 142.95 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

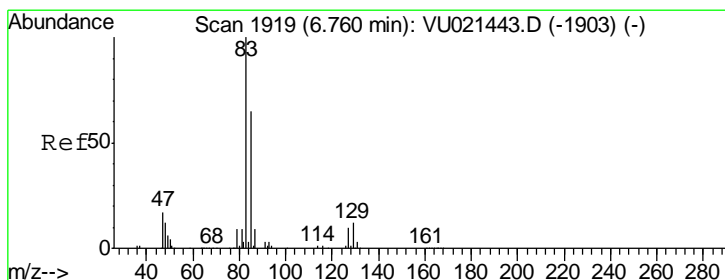
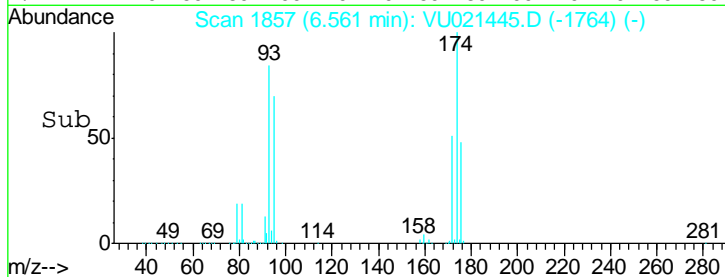
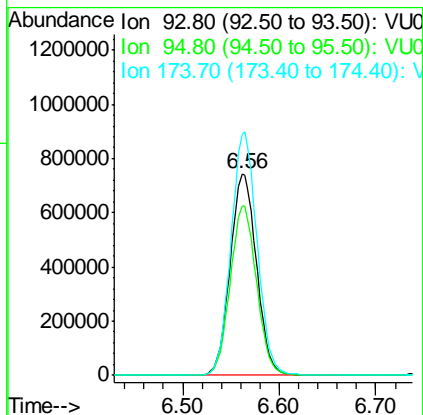
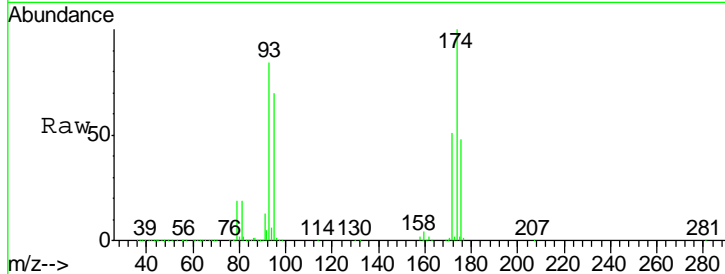
Instrument : MSVOA_U
 ClientSampleId : VSTDIC150

Tgt Ion: 93 Resp: 1409118

Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.1	99.1
174	119.1	88.5	132.7

Manual Integrations
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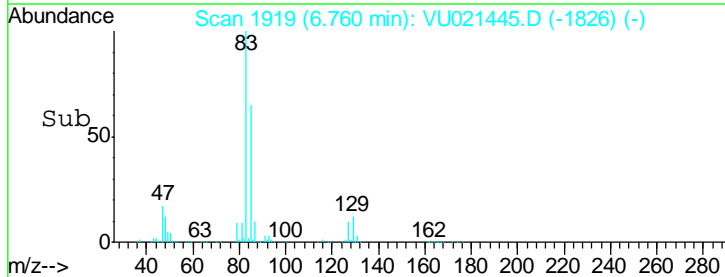
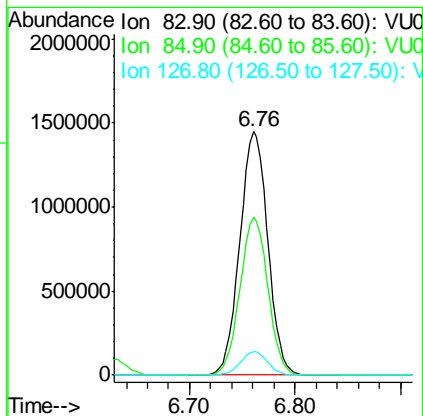
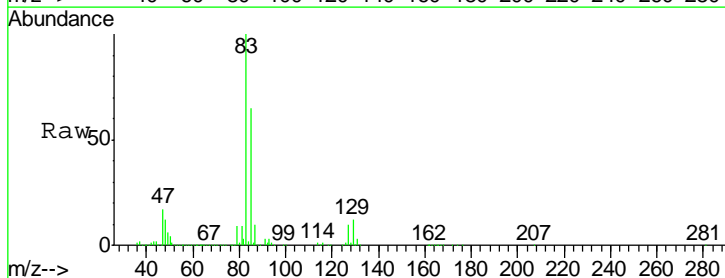
1/4/2018 11:18:52 AM

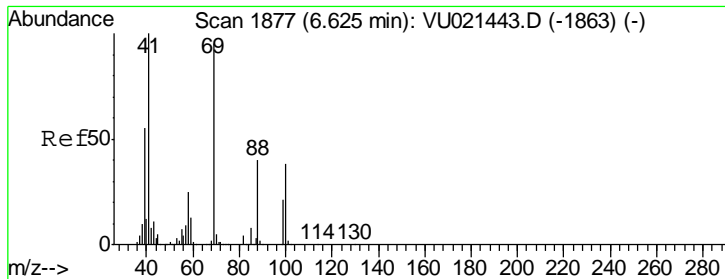


#47
 Bromodichloromethane
 Concen: 143.82 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 83 Resp: 2665844

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.0
127	9.5	7.0	10.6





#48
 Methyl methacrylate
 Concen: 162.00 ug/l
 RT: 6.63 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

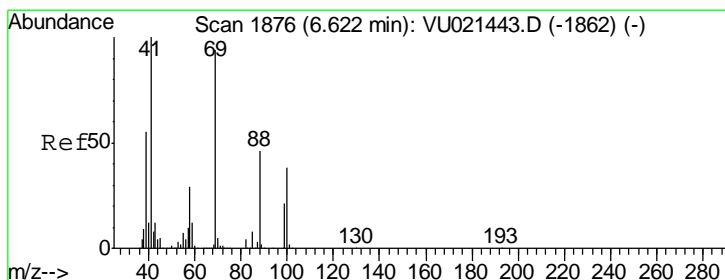
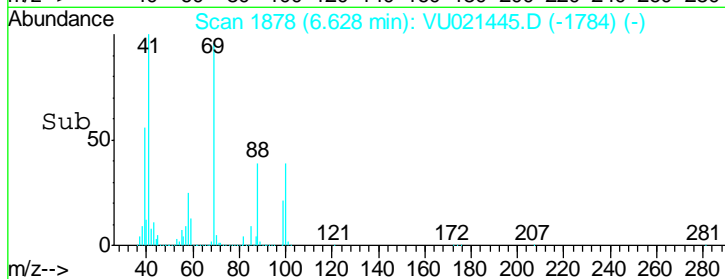
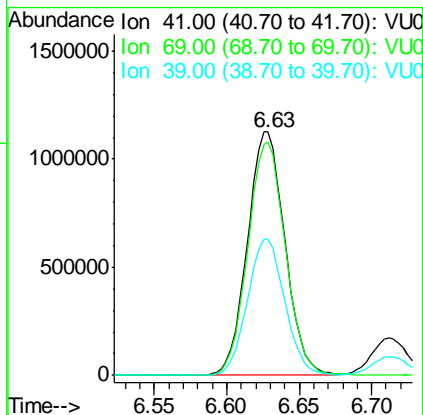
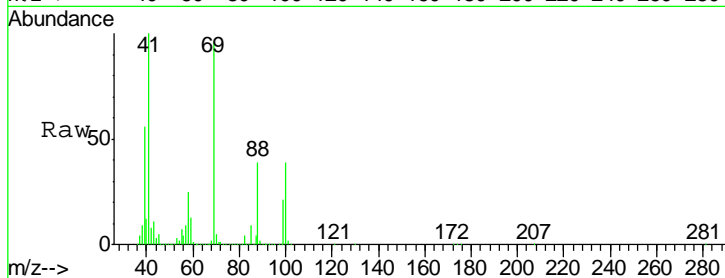
Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion: 41 Resp: 2029174

Ion	Ratio	Lower	Upper
41	100		
69	96.1	70.6	105.8
39	55.6	41.6	62.4

Manual Integrations
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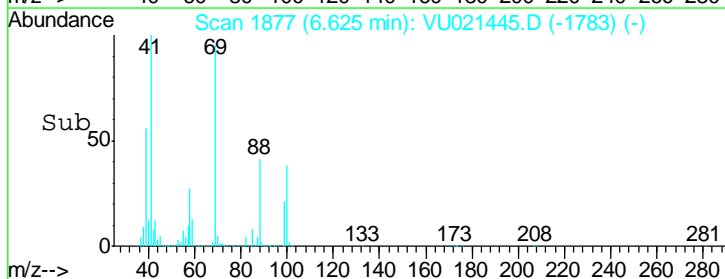
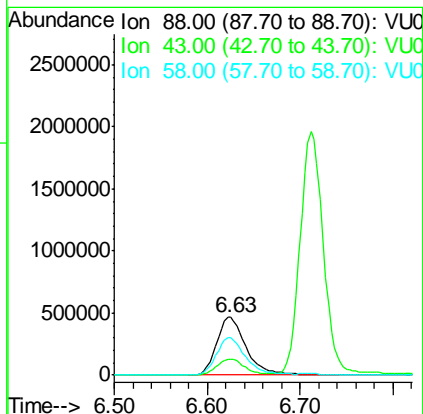
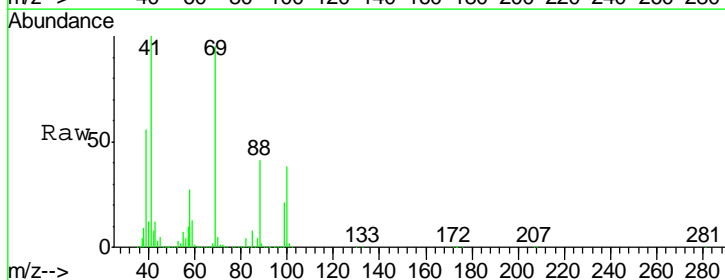
1/4/2018 11:18:52 AM

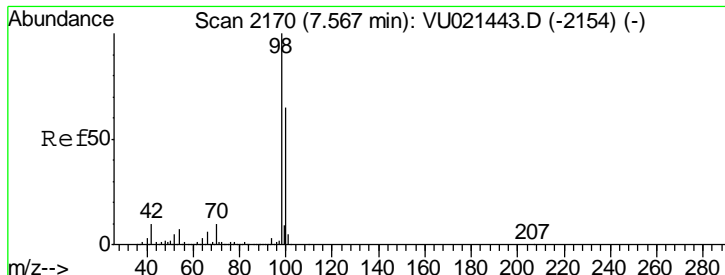


#49
 1,4-Dioxane
 Concen: 3220.00 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 88 Resp: 1017686

Ion	Ratio	Lower	Upper
88	100		
43	26.5	23.7	35.5
58	64.6	57.4	86.0





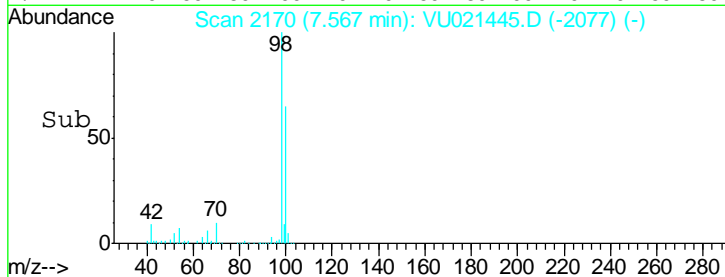
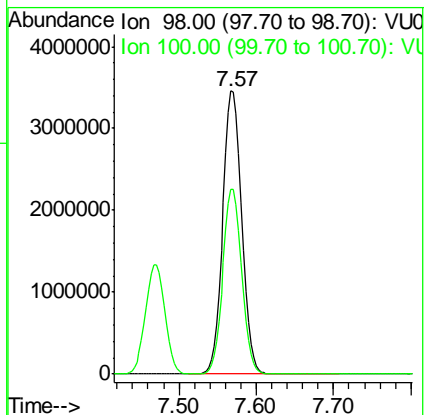
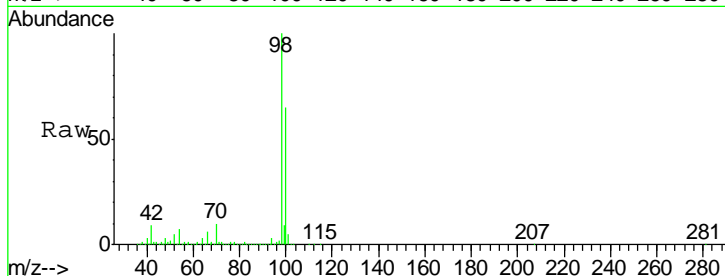
#50
 Toluene-d8
 Concen: 136.48 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
98	100		
100	65.0	50.5	75.7

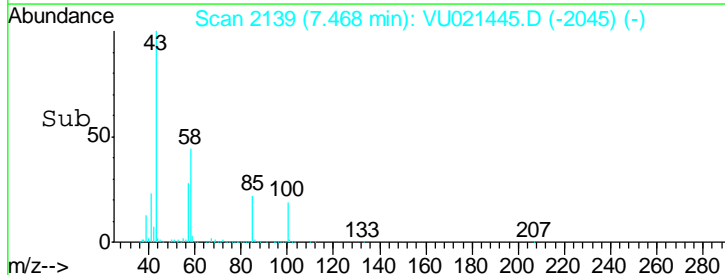
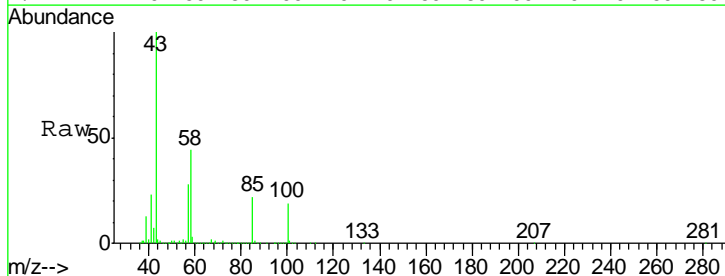
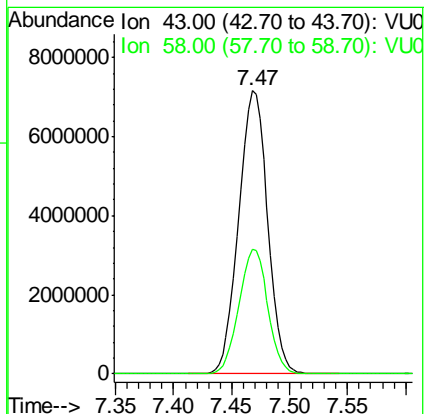
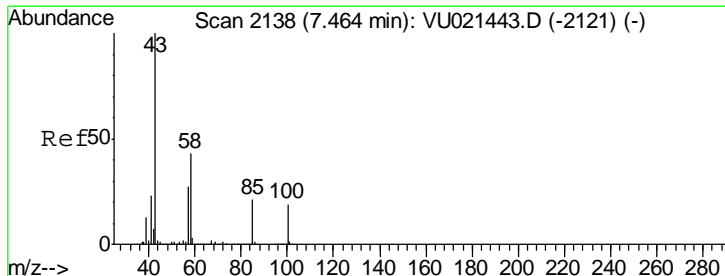
Manual Integrations
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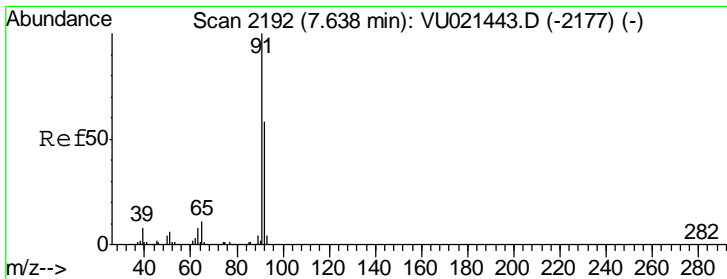
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#51
 4-Methyl-2-Pentanone
 Concen: 792.95 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
43	100		
58	43.7	32.4	48.6





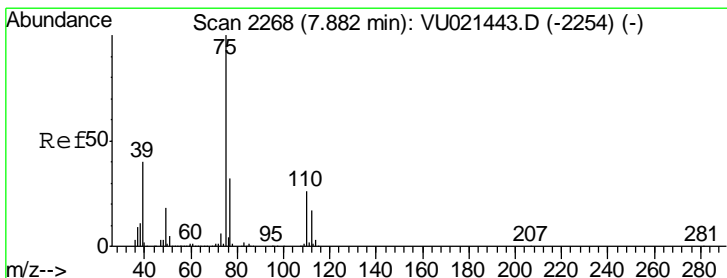
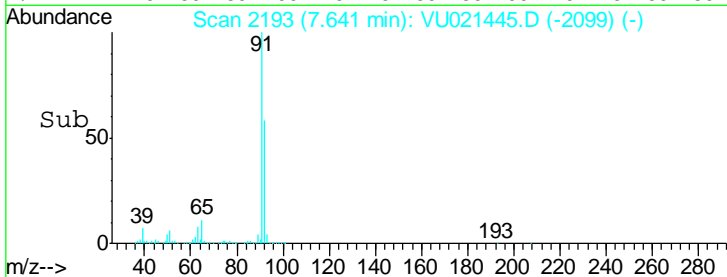
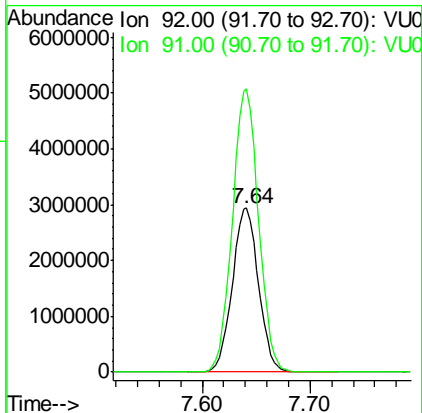
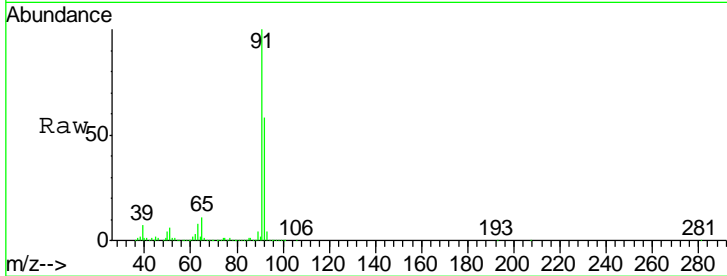
#52
 Toluene
 Concen: 141.30 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
92	4965655		
92	100		
91	172.8	139.7	209.5

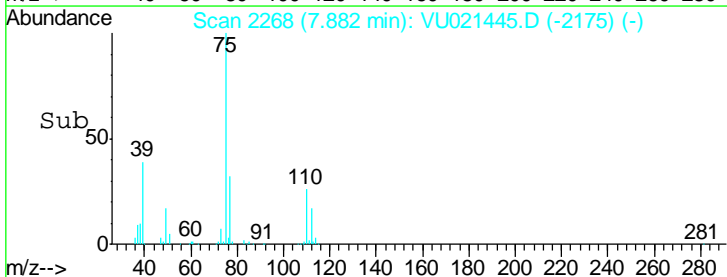
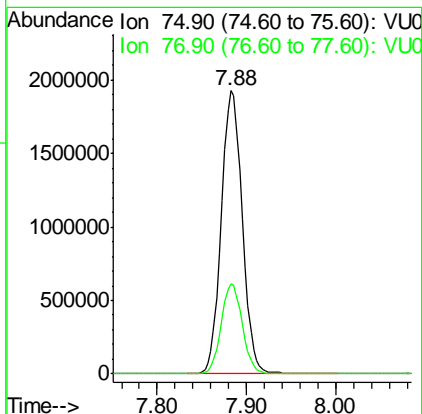
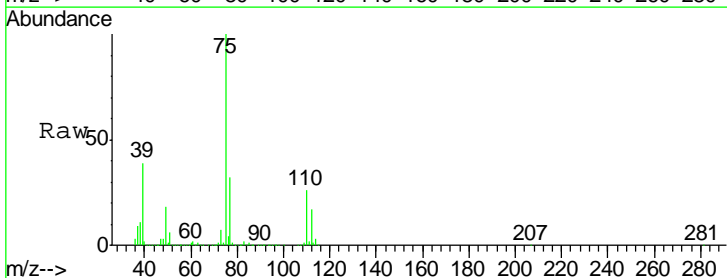
Manual Integrations
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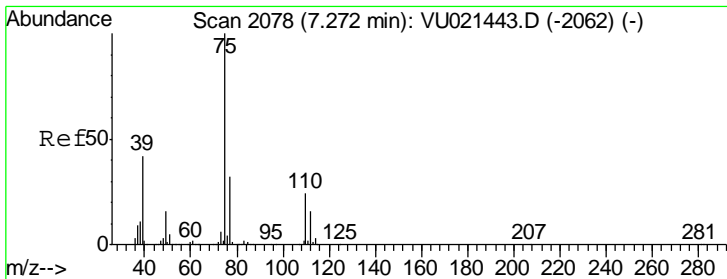
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#53
 t-1,3-Dichloropropene
 Concen: 151.99 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

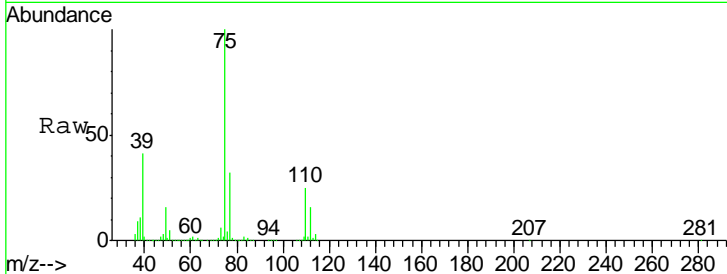
Tgt Ion	Resp	Lower	Upper
75	3148132		
75	100		
77	32.0	24.9	37.3





#54
 cis-1,3-Dichloropropene
 Concen: 149.07 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

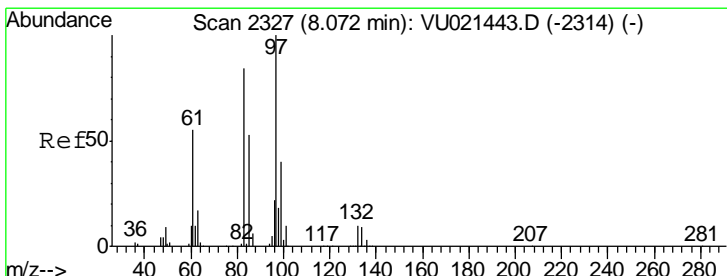
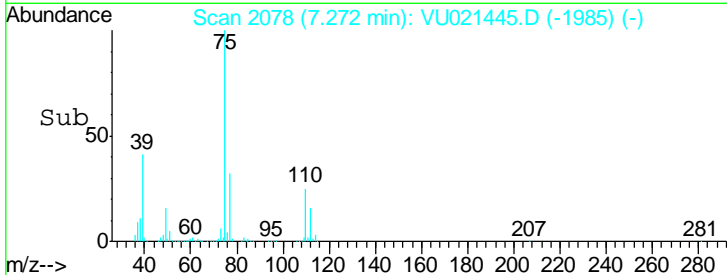
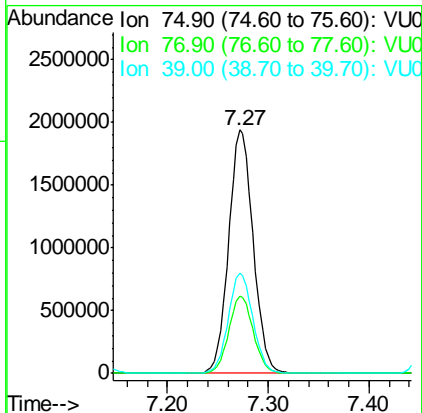


Tgt Ion: 75 Resp: 3286072

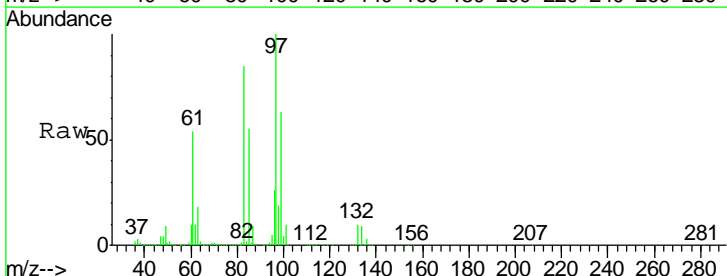
Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	41.2	34.2	51.4

Manual Integrations
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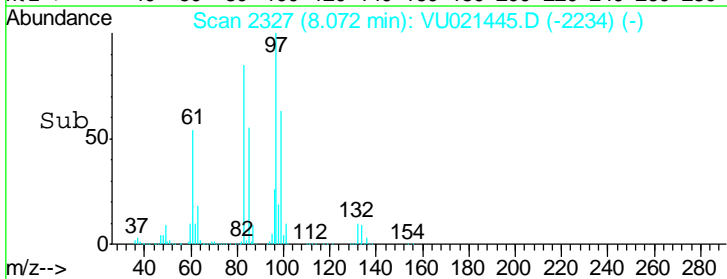
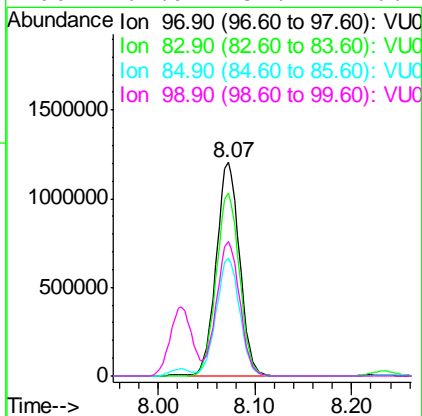


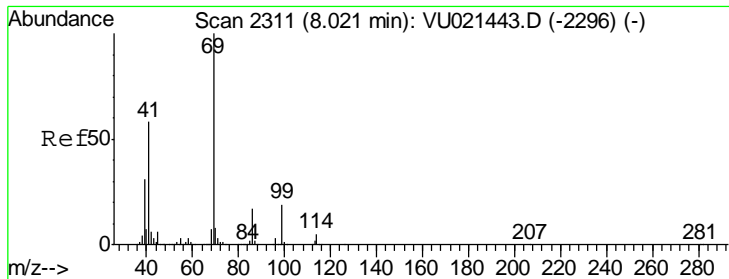
#55
 1,1,2-Trichloroethane
 Concen: 142.11 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08



Tgt Ion: 97 Resp: 2007173

Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.6	106.0
85	55.3	46.8	70.2
99	62.9	51.1	76.7





#56
 Ethyl methacrylate
 Concen: 161.16 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

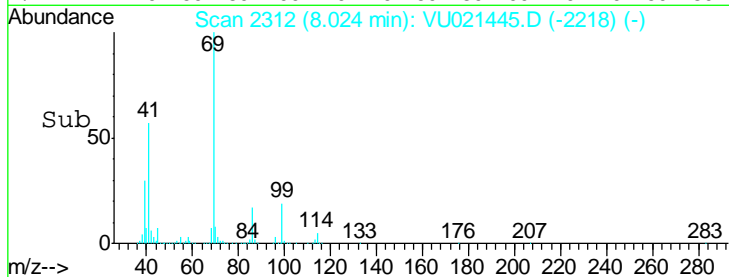
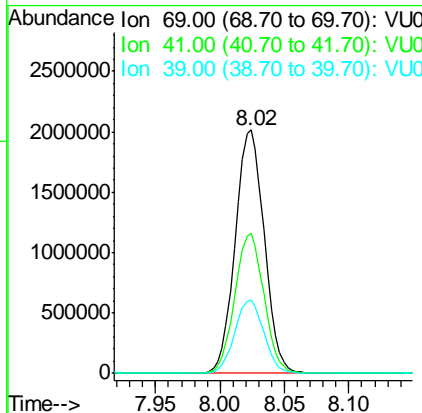
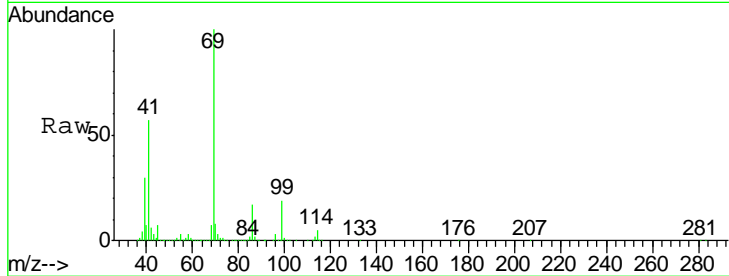
Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion: 69 Resp: 3160894

Ion	Ratio	Lower	Upper
69	100		
41	57.6	50.1	75.1
39	30.2	25.2	37.8

Manual Integrations
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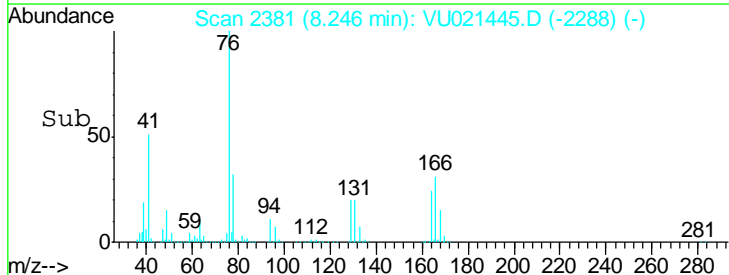
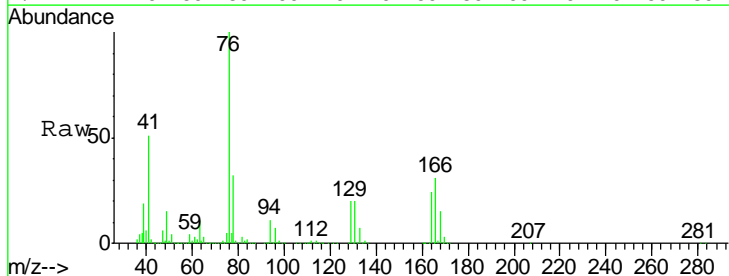
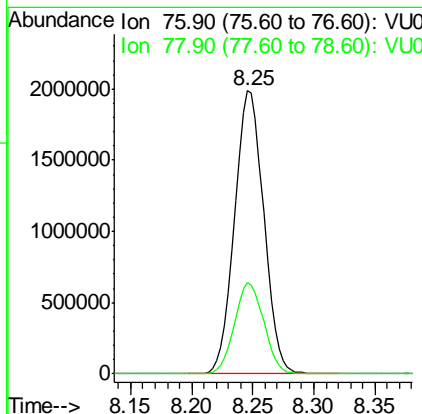
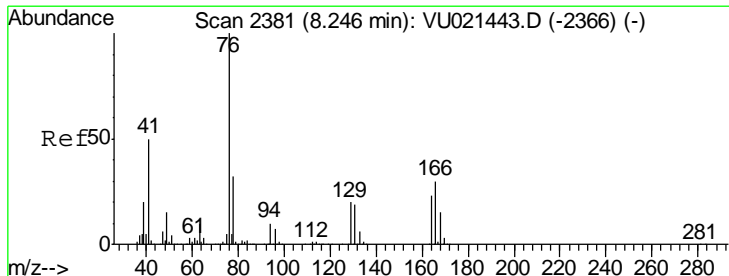
sam
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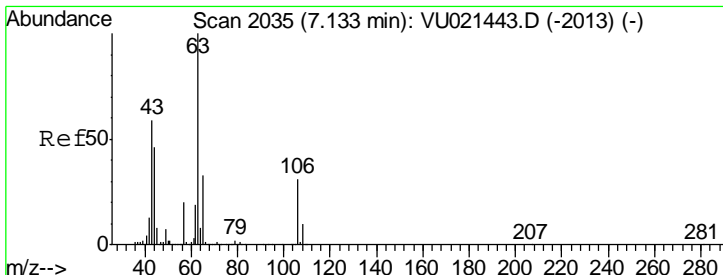


#57
 1,3-Dichloropropane
 Concen: 149.32 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 76 Resp: 3301950

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.7	38.5





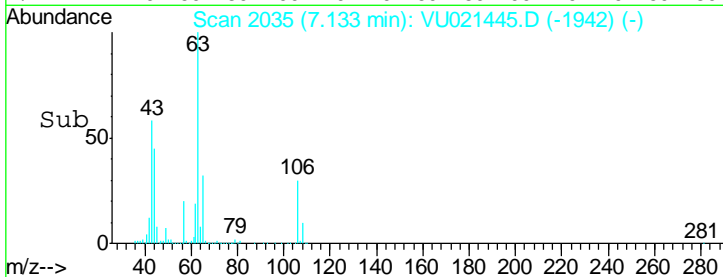
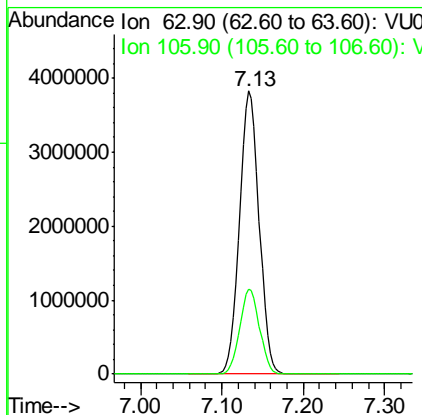
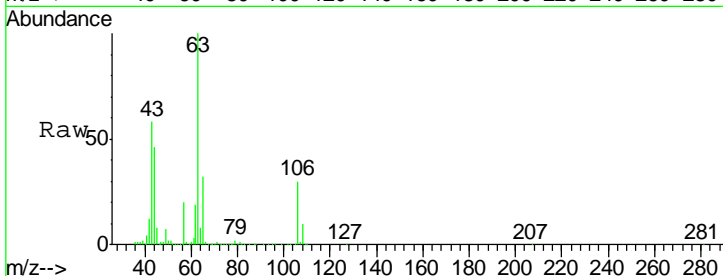
#58
 2-Chloroethyl Vinyl ether
 Concen: 980.86 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion: 63 Resp: 6370924
 Ion Ratio Lower Upper
 63 100
 106 30.3 21.8 32.8

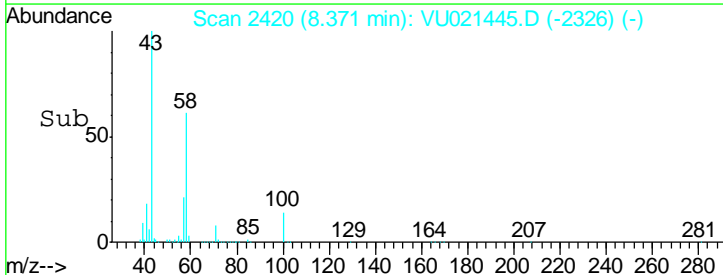
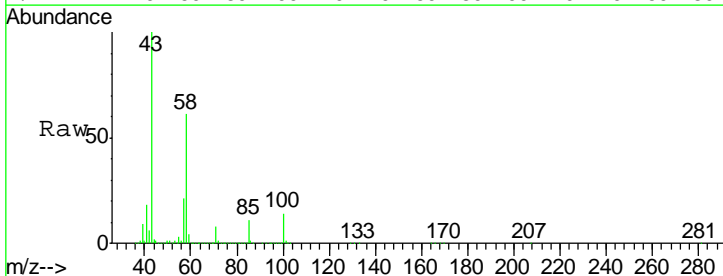
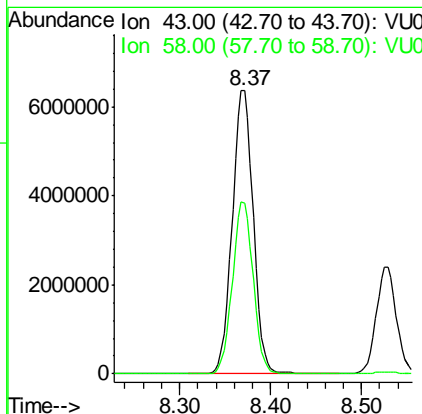
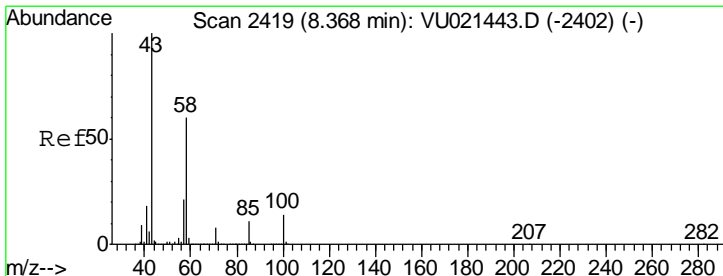
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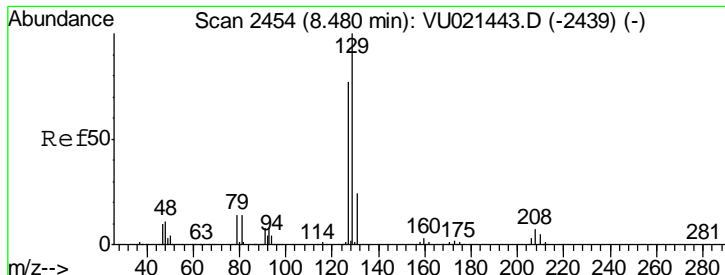
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#59
 2-Hexanone
 Concen: 828.12 ug/l
 RT: 8.37 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 43 Resp: 10201679
 Ion Ratio Lower Upper
 43 100
 58 60.2 27.9 83.7





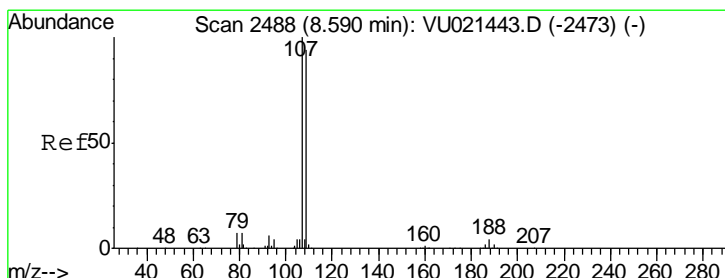
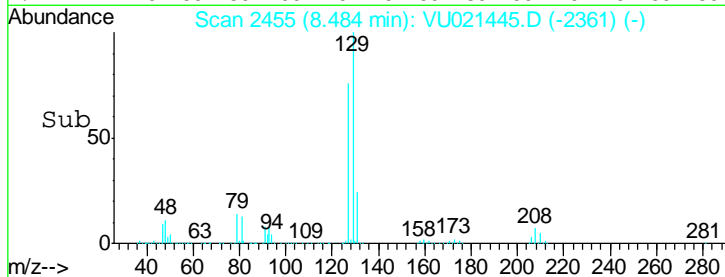
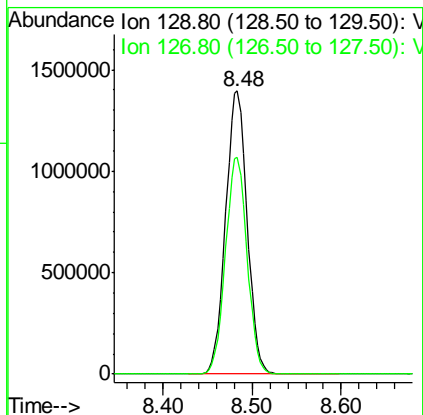
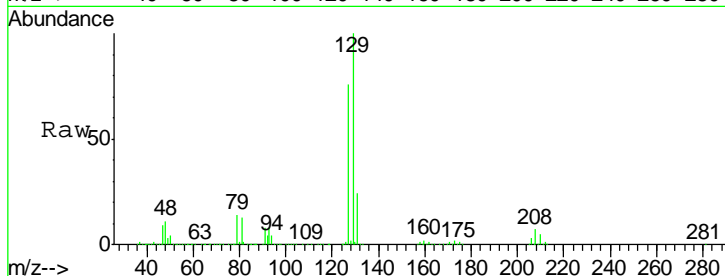
#60
 Dibromochloromethane
 Concen: 141.21 ug/l
 RT: 8.48 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.0	38.2	114.6

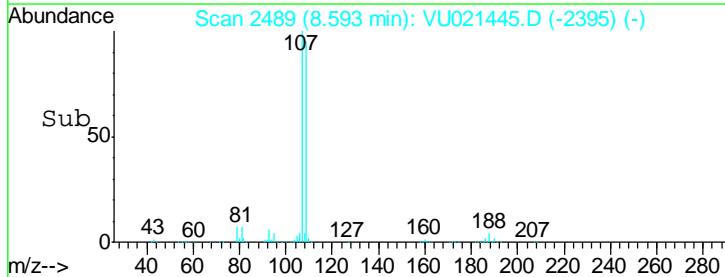
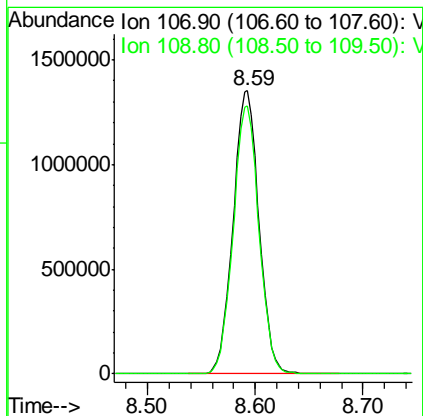
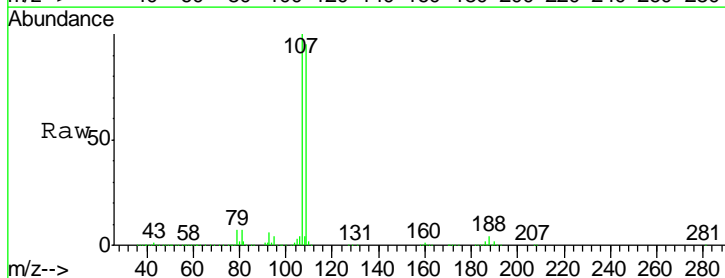
Manual Integrations
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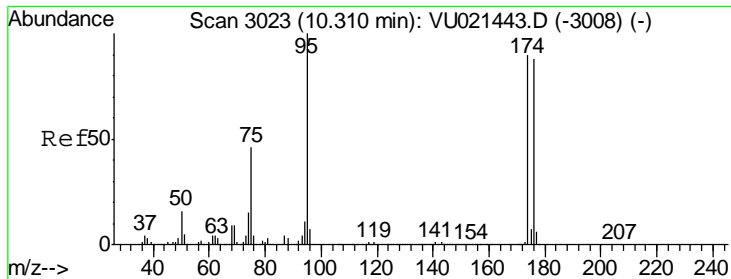
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#61
 1,2-Dibromoethane
 Concen: 146.61 ug/l
 RT: 8.59 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.5	76.0	114.0





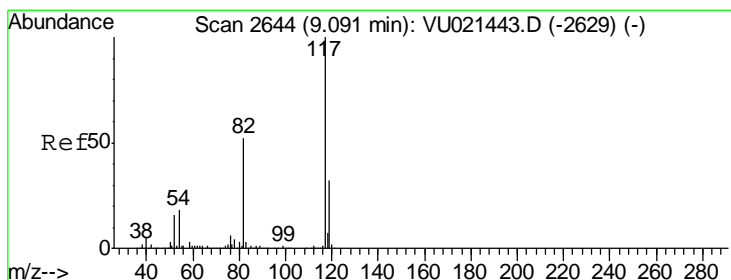
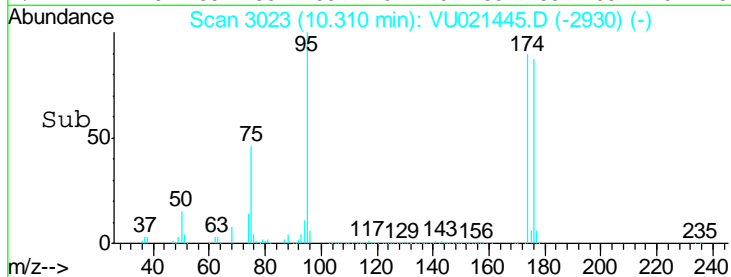
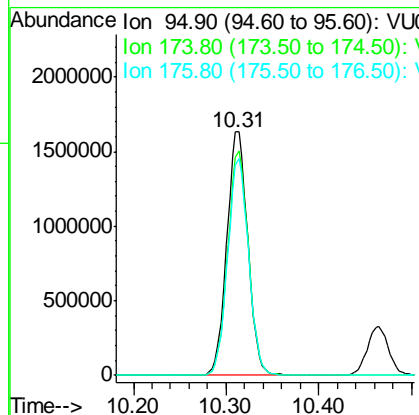
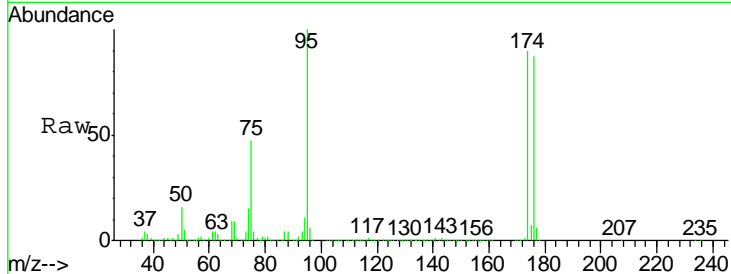
#62
 4-Bromofluorobenzene
 Concen: 138.55 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
95	100		
174	91.2	0.0	185.4
176	88.6	0.0	178.4

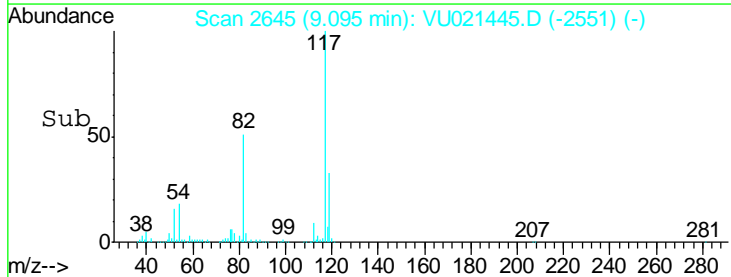
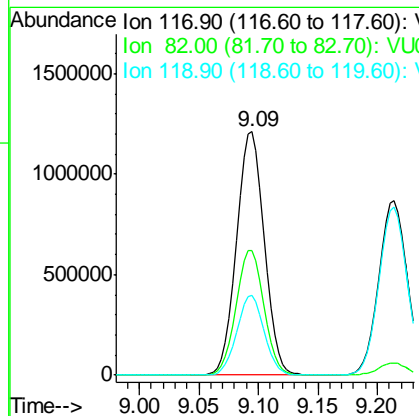
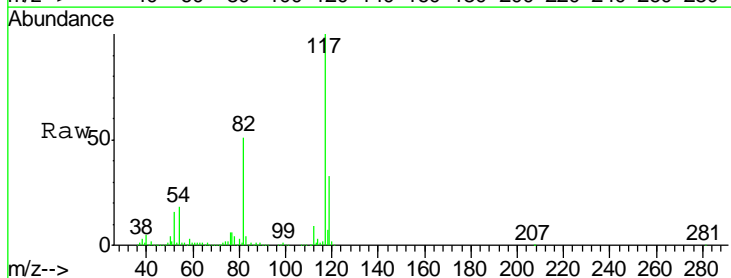
Manual Integrations
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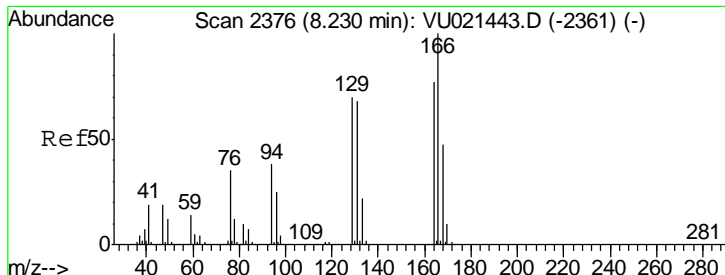
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#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

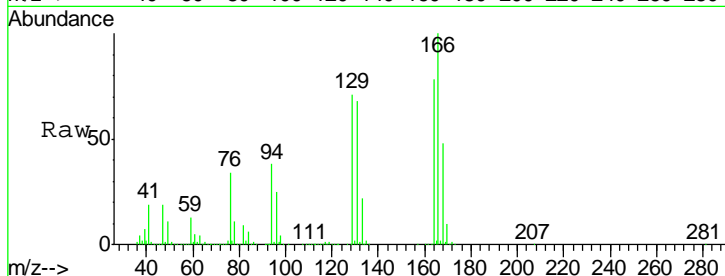
Tgt Ion	Resp	Lower	Upper
117	100		
82	51.4	43.0	64.4
119	32.6	25.6	38.4





#64
 Tetrachloroethene
 Concen: 129.09 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

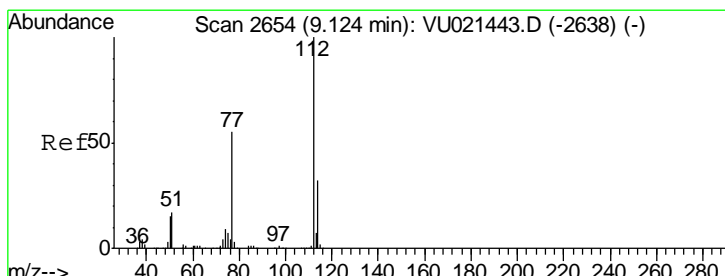
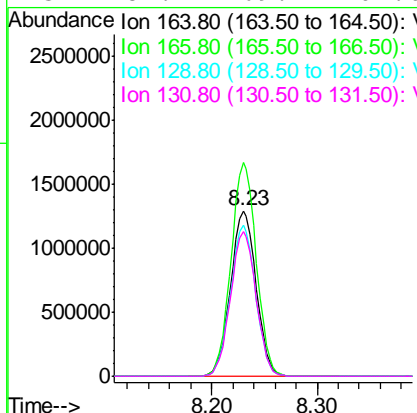
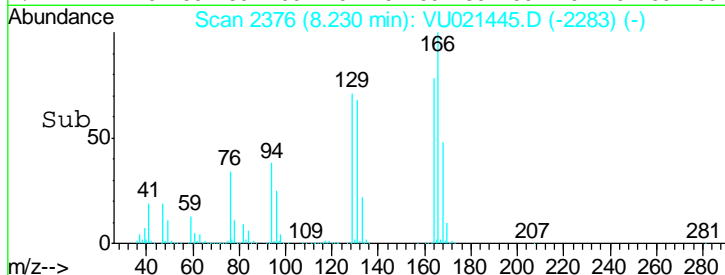
Instrument : MSVOA_U
 ClientSampled : VSTDIC150



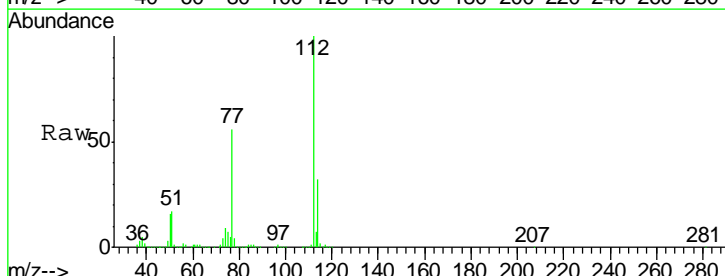
Tgt Ion: 164 Resp: 2150759

Ion	Ratio	Lower	Upper
164	100		
166	129.0	102.3	153.5
129	91.4	71.4	107.2
131	87.4	69.4	104.0

Manual Integrations
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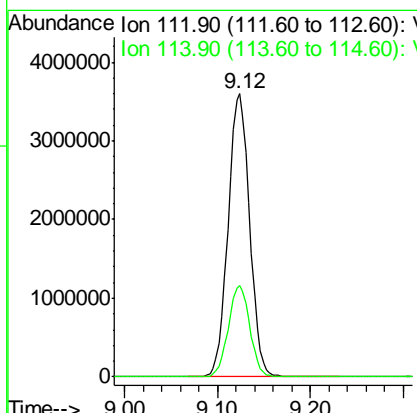
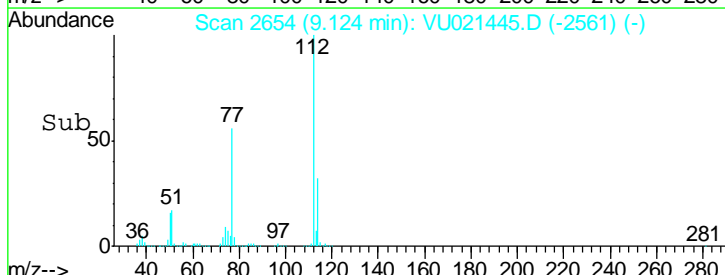


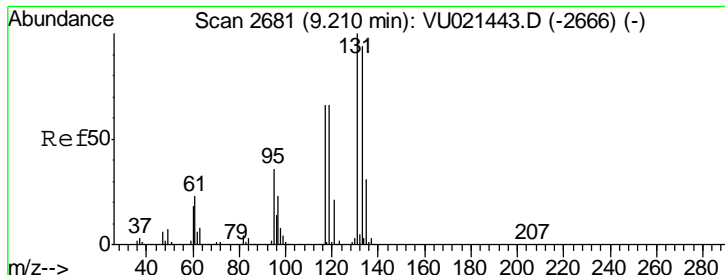
#65
 Chlorobenzene
 Concen: 142.60 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08



Tgt Ion: 112 Resp: 5792282

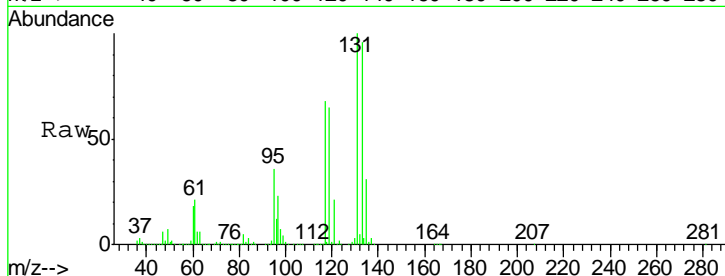
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4





#66
 1,1,1,2-Tetrachloroethane
 Concen: 139.87 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

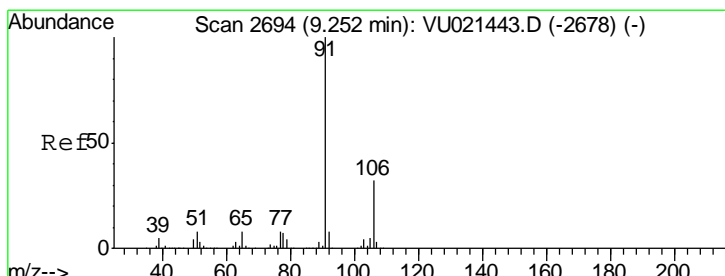
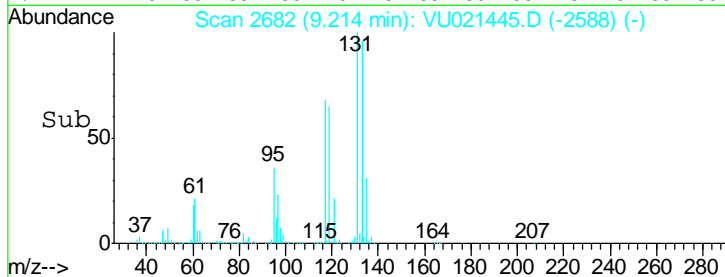
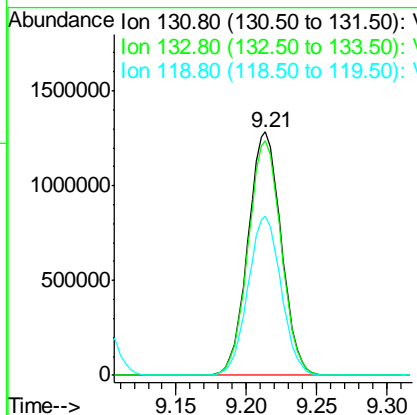


Tgt Ion: 131 Resp: 2116931

Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.2	141.6
119	65.2	32.1	96.5

Manual Integrations
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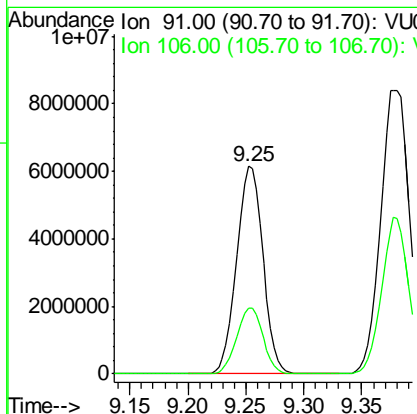
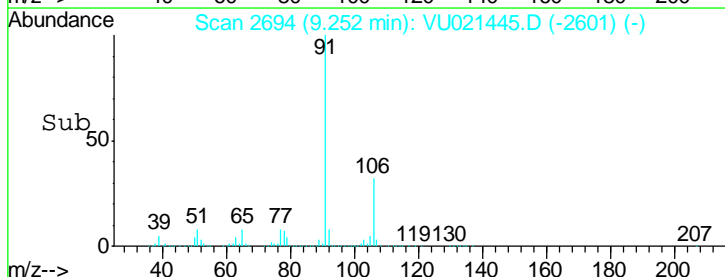
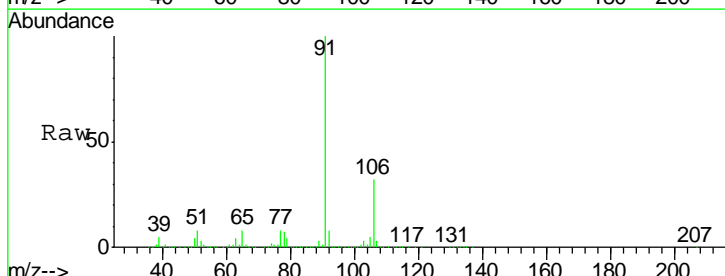
1/4/2018 11:18:52 AM

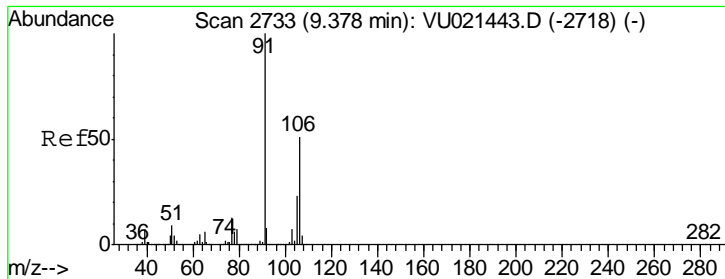


#67
 Ethyl Benzene
 Concen: 142.23 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 91 Resp: 9663149

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.0	37.4





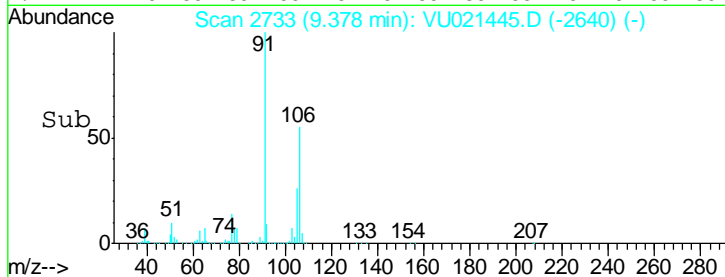
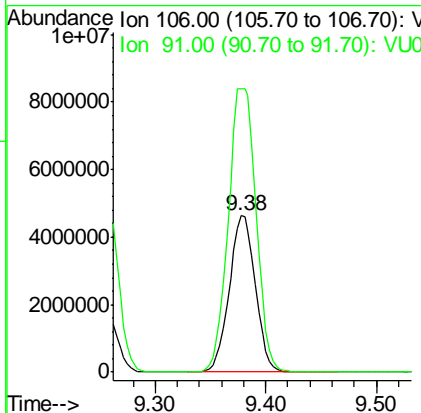
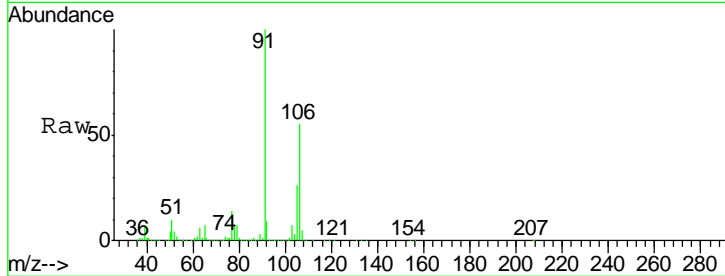
#68
 m/p-Xylenes
 Concen: 281.26 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
106	7543201		
106	100		
91	194.2	160.2	240.4

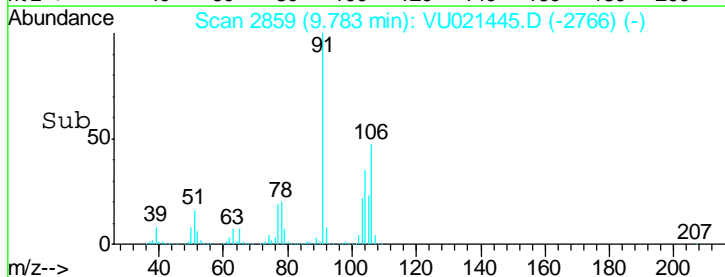
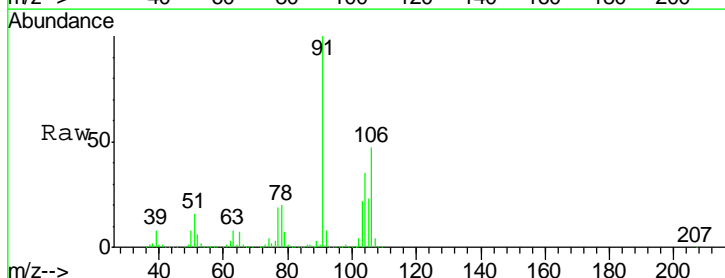
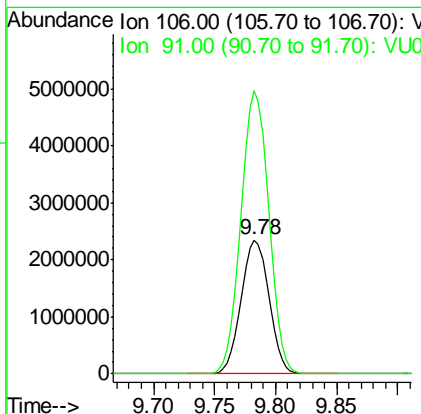
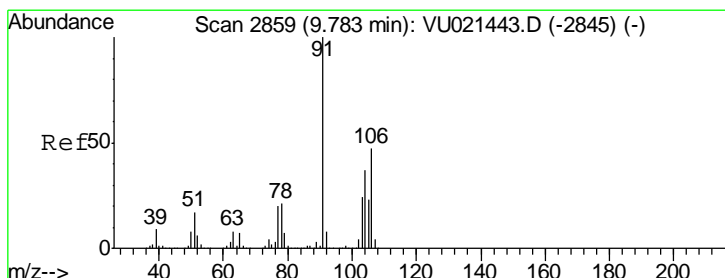
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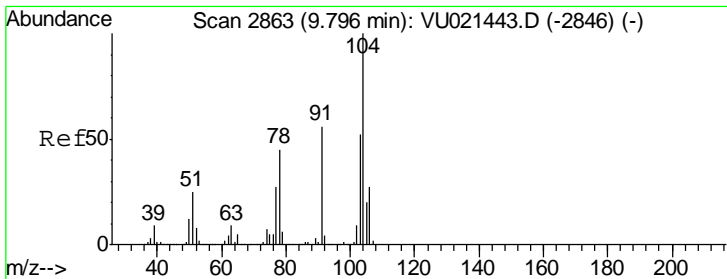
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#69
 o-Xylene
 Concen: 140.19 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

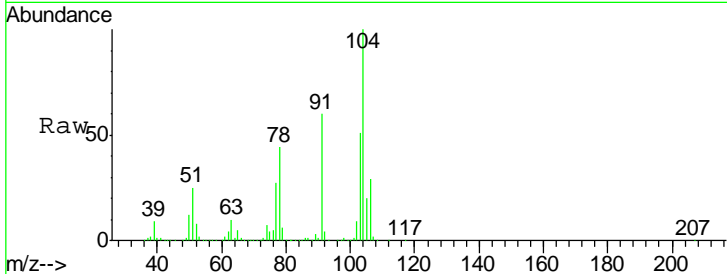
Tgt Ion	Resp	Lower	Upper
106	3694125		
106	100		
91	211.6	106.7	320.1





#70
 Styrene
 Concen: 146.46 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

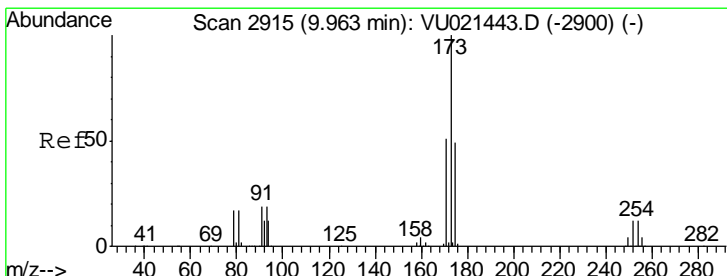
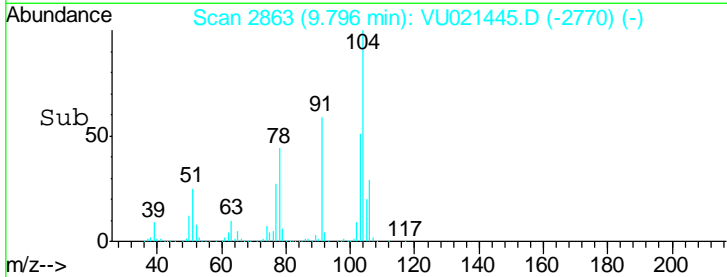
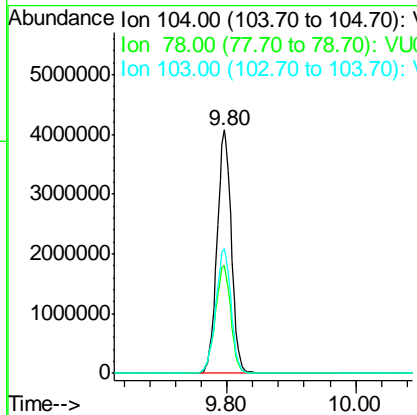
Instrument : MSVOA_U
 ClientSampled : VSTDIC150



Tgt Ion: 104 Resp: 6303045

Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.4	57.6
103	54.8	44.0	66.0

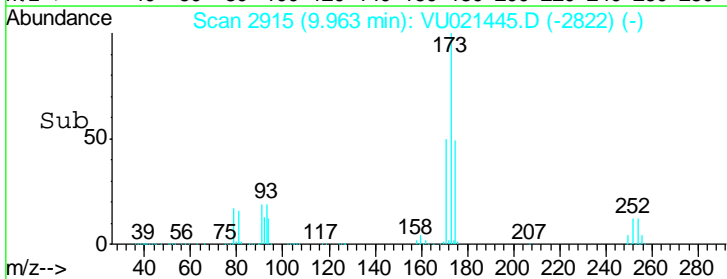
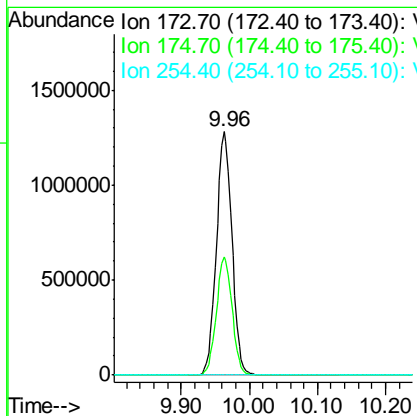
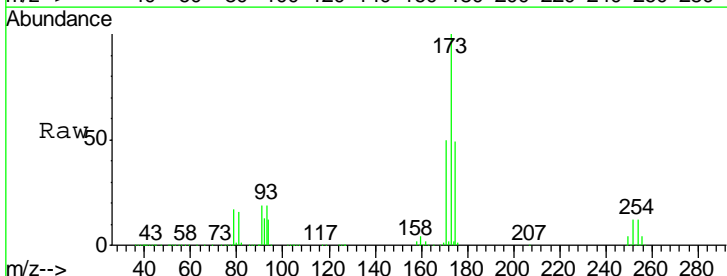
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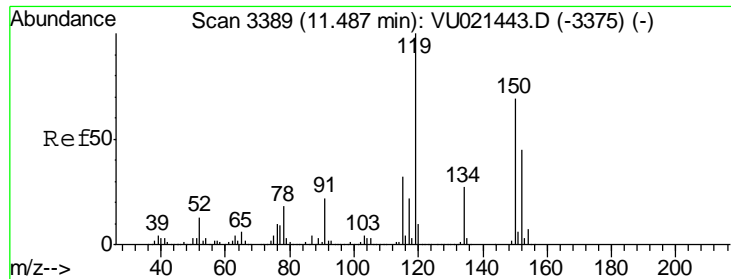


#71
 Bromoform
 Concen: 145.87 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 173 Resp: 2036303

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.6
254	0.1	0.1	0.1#





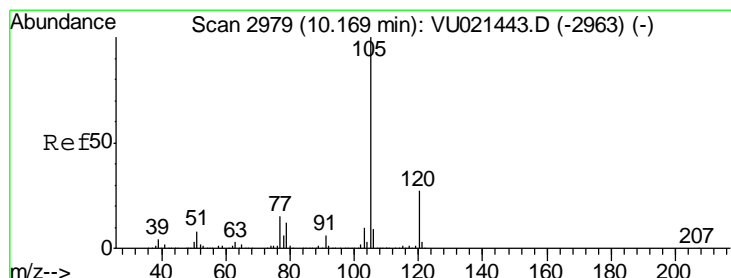
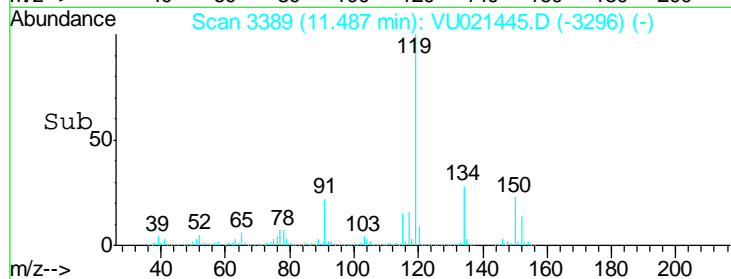
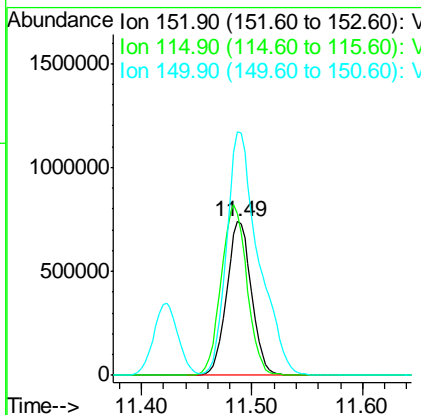
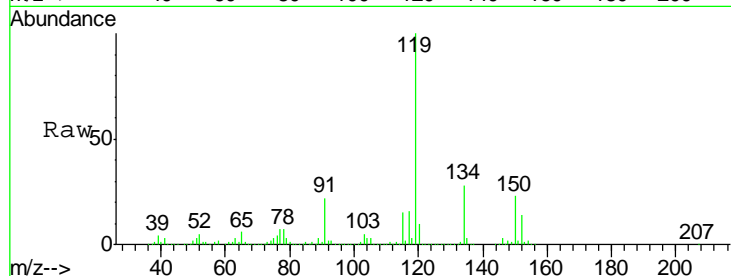
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
152	1153050		
152	100		
115	115.3	38.2	114.6#
150	203.4	0.0	346.2

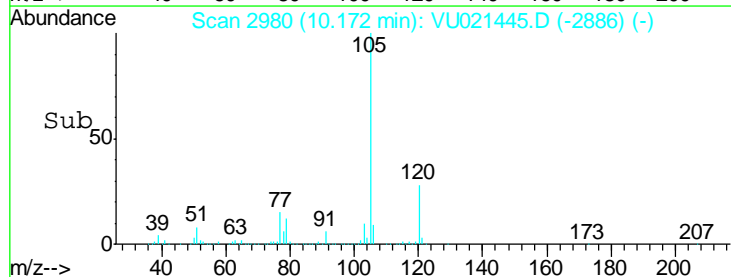
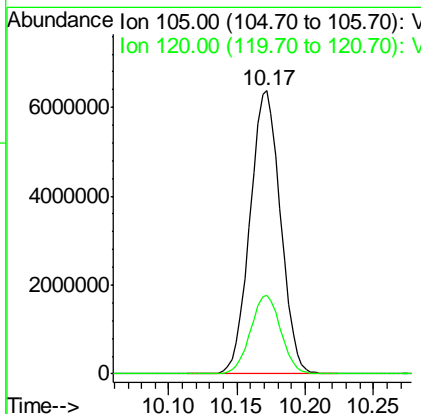
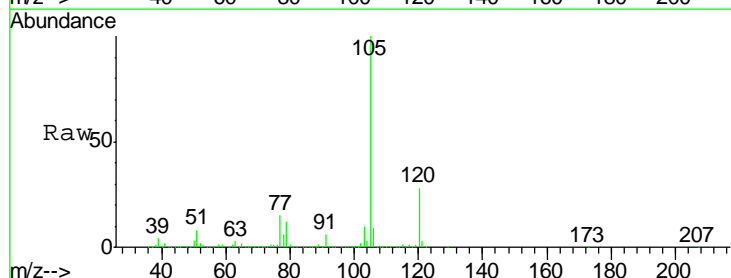
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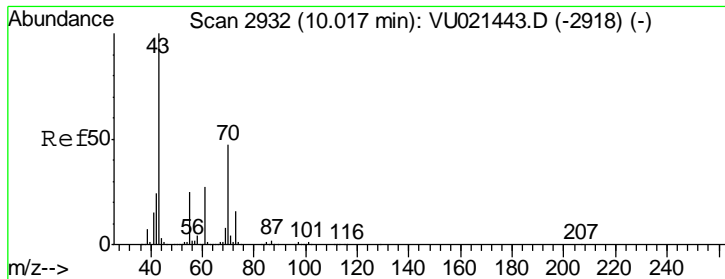
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#73
 Isopropylbenzene
 Concen: 133.88 ug/l
 RT: 10.17 min Scan# 2980
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

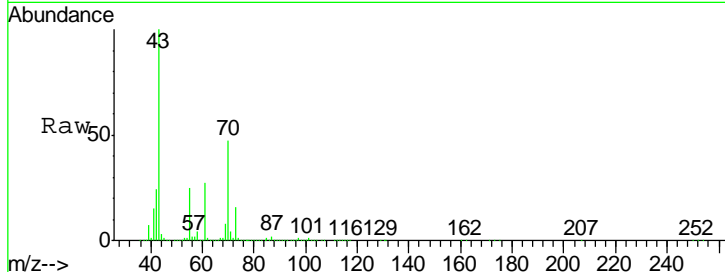
Tgt Ion	Resp	Lower	Upper
105	9893173		
105	100		
120	27.6	13.3	39.9





#74
 N-amyl acetate
 Concen: 178.84 ug/l
 RT: 10.02 min Scan# 2932
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

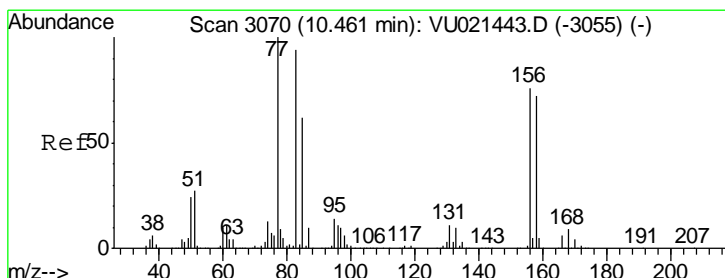
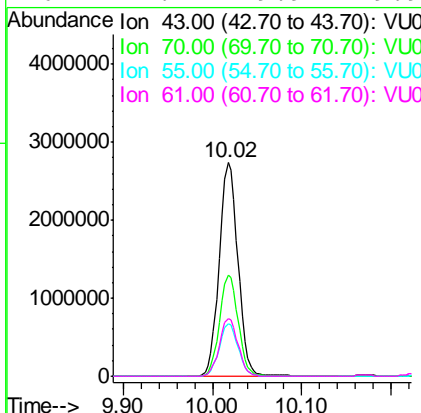
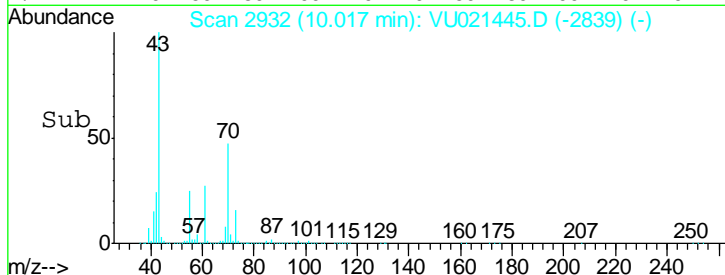
Instrument : MSVOA_U
 Client Sampled : VSTDIC150



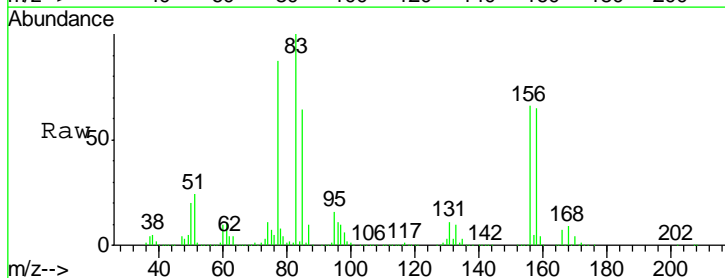
Tgt Ion: 43 Resp: 3981897

Ion	Ratio	Lower	Upper
43	100		
70	47.5	35.6	53.4
55	24.9	21.8	32.6
61	27.1	19.9	29.9

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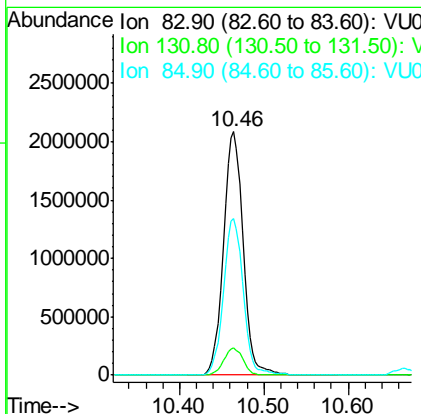
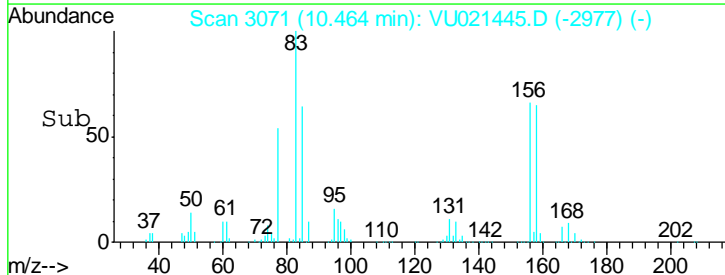


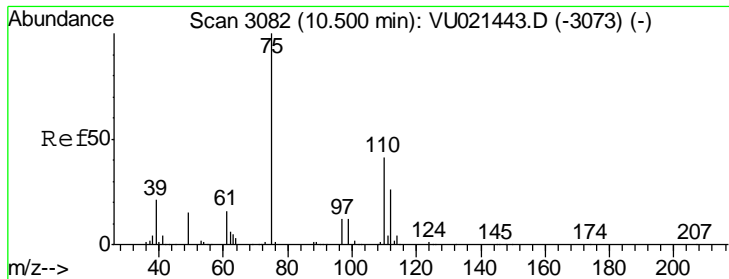
#75
 1,1,2,2-Tetrachloroethane
 Concen: 152.73 ug/l
 RT: 10.46 min Scan# 3071
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08



Tgt Ion: 83 Resp: 3362284

Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.9	14.7
85	64.8	32.2	96.6





#76
 1,2,3-Trichloropropane
 Concen: 156.09 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

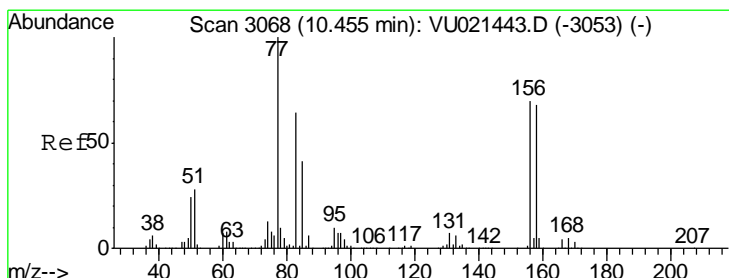
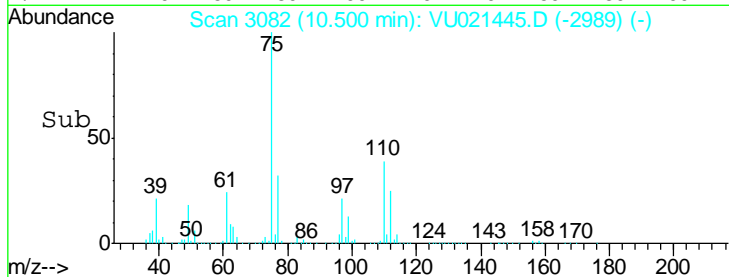
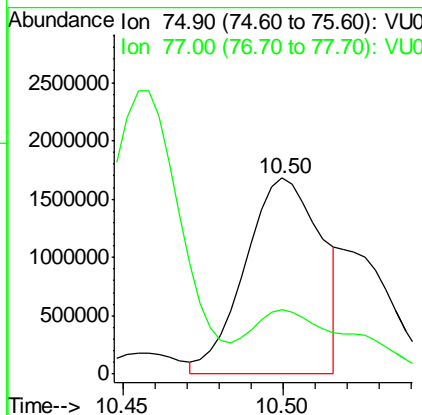
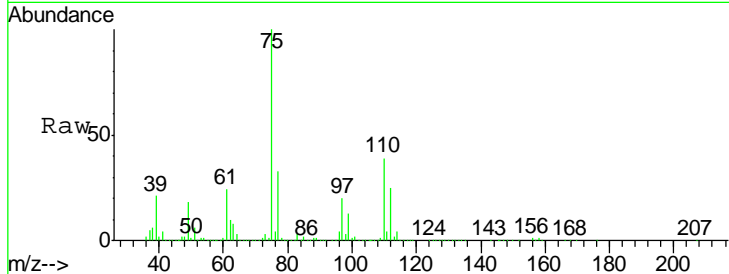
Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion: 75 Resp: 2795811

Ion	Ratio	Lower	Upper
75	100		
77	44.6	21.3	63.7

Manual Integrations
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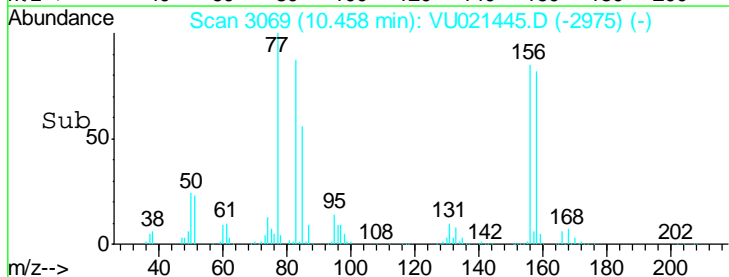
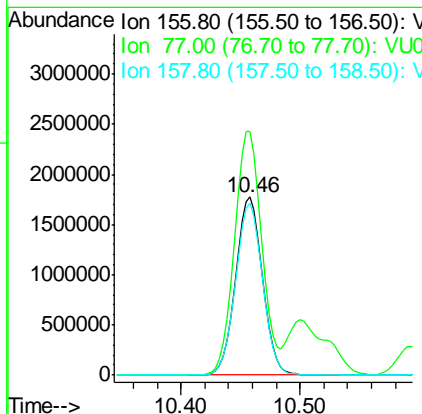
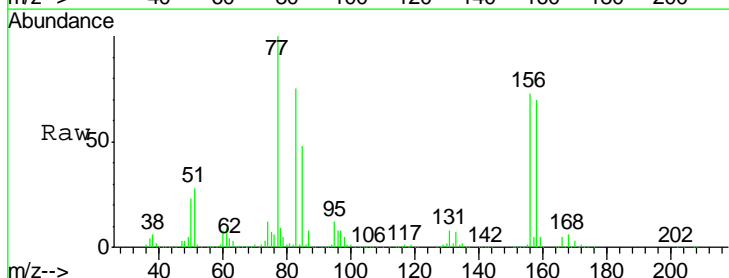
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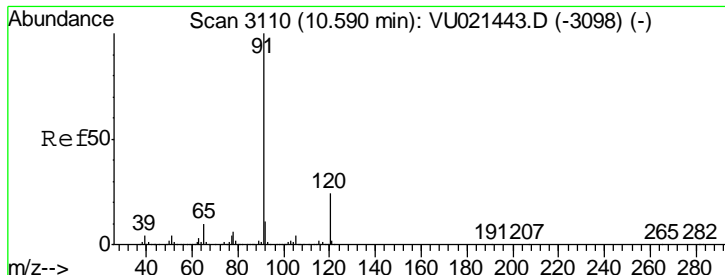


#77
 Bromobenzene
 Concen: 134.06 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 156 Resp: 2773172

Ion	Ratio	Lower	Upper
156	100		
77	139.9	71.4	214.1
158	97.3	48.5	145.6





#78
 n-propylbenzene
 Concen: 142.59 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

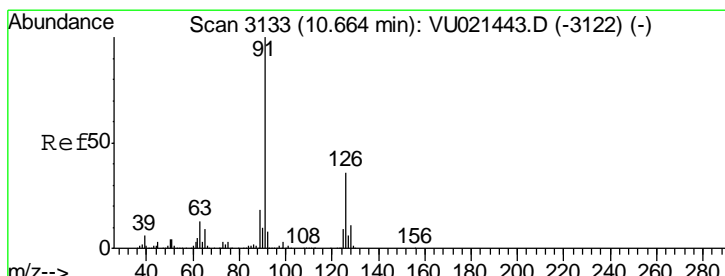
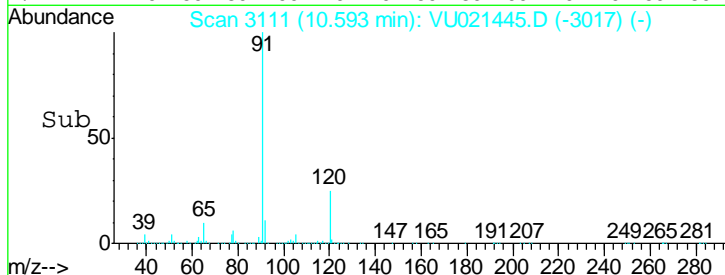
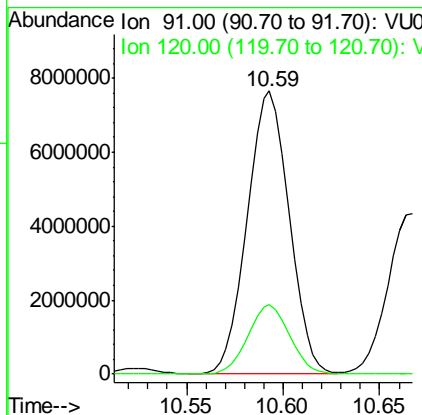
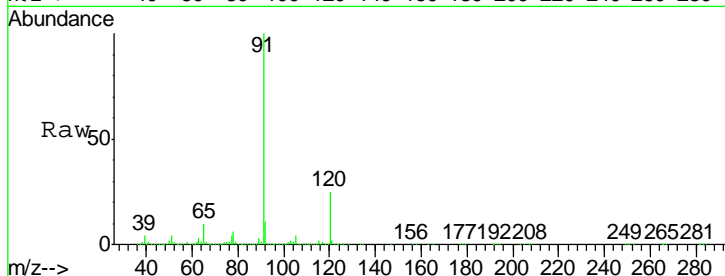
Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion: 91 Resp: 11548908

Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.8	35.4

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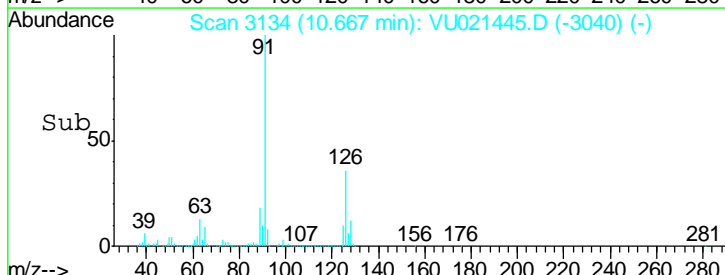
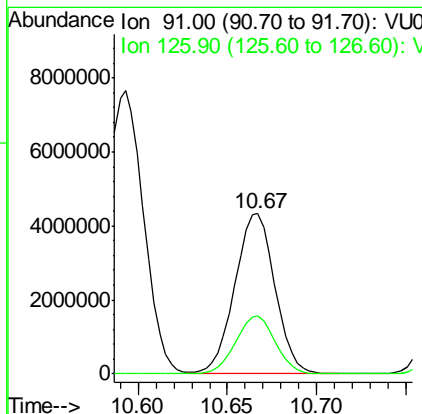
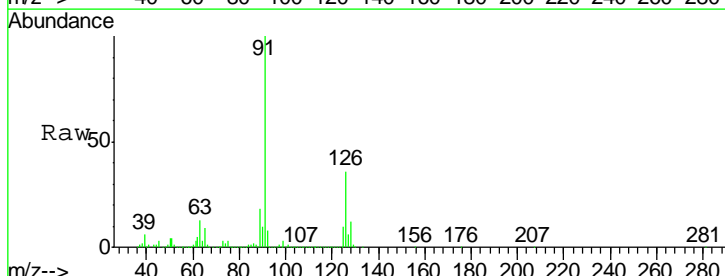
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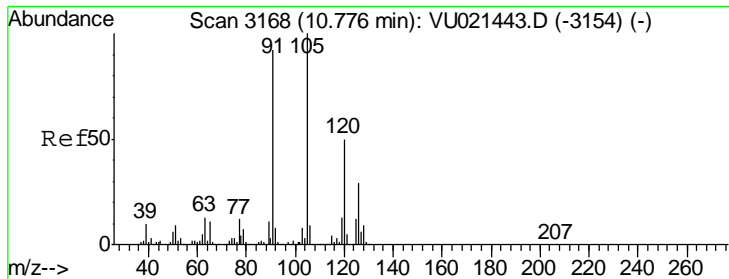


#79
 2-Chlorotoluene
 Concen: 139.24 ug/l
 RT: 10.67 min Scan# 3134
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 91 Resp: 6750694

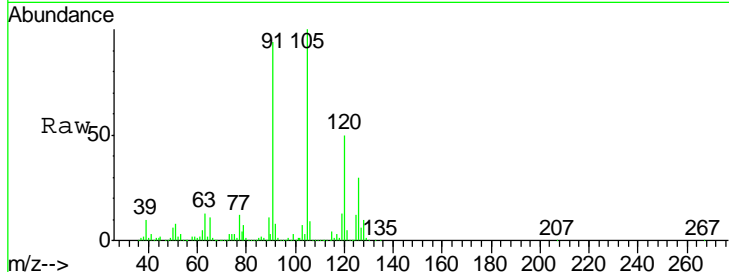
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.6	52.9





#80
 1,3,5-Trimethylbenzene
 Concen: 137.96 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

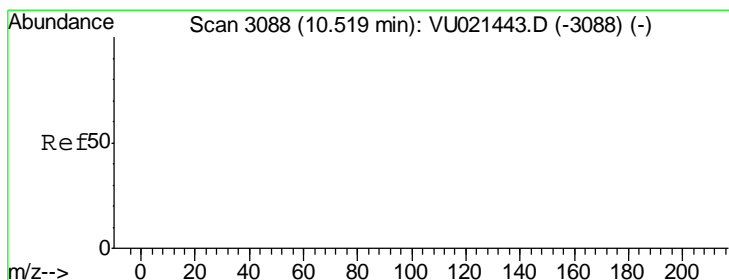
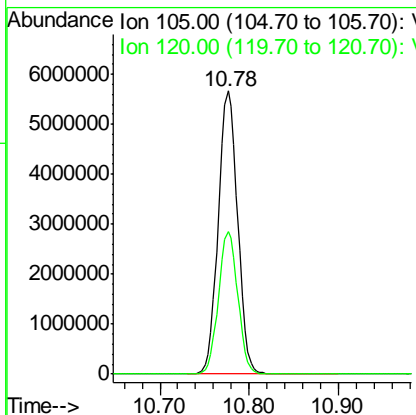
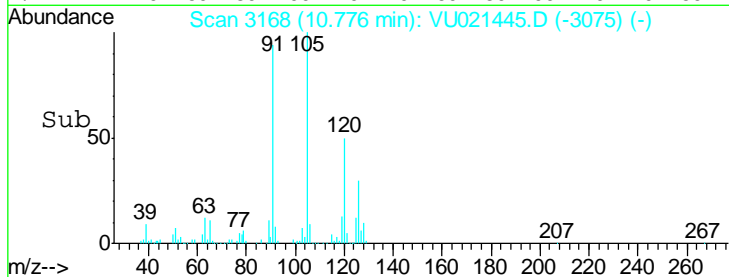
Instrument : MSVOA_U
 Client Sampled : VSTDIC150



Tgt Ion: 105 Resp: 8520938

Ion	Ratio	Lower	Upper
105	100		
120	50.1	24.6	74.0

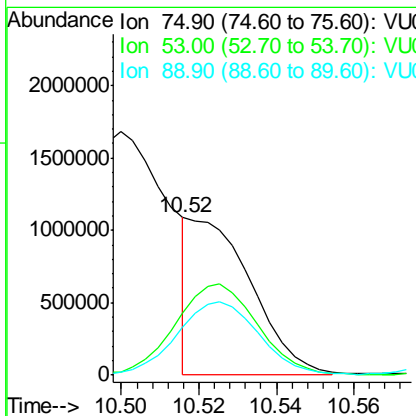
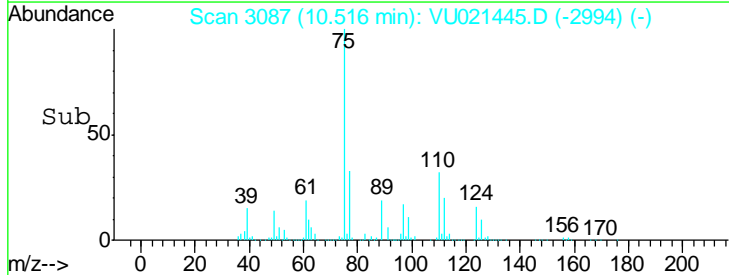
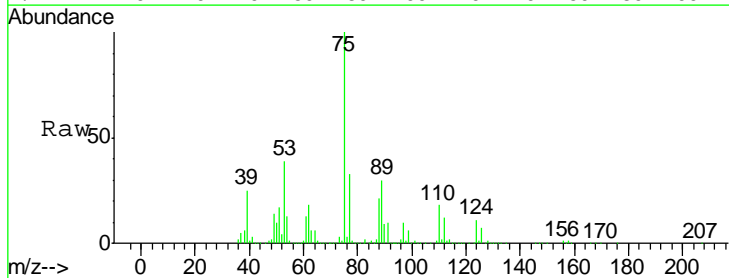
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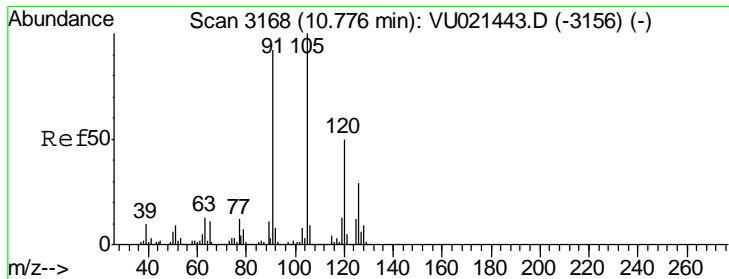


#81
 trans-1,4-Dichloro-2-butene
 Concen: 185.36 ug/l m
 RT: 10.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 75 Resp: 1186669

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0





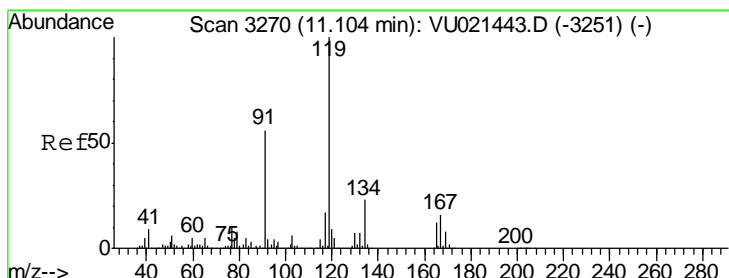
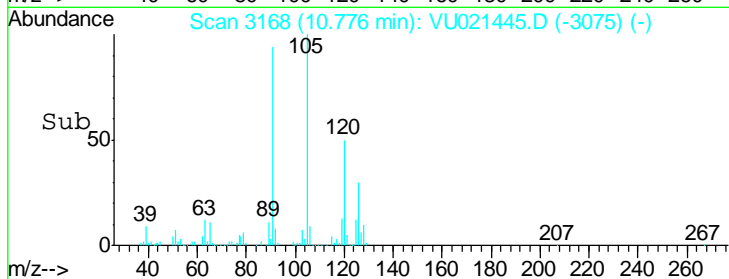
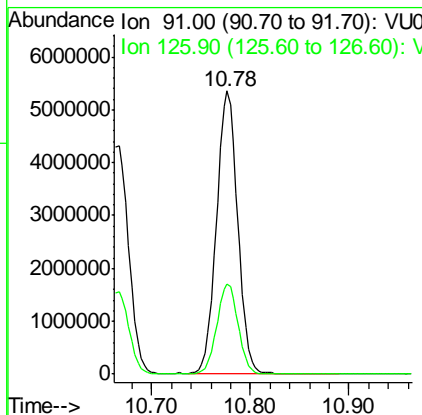
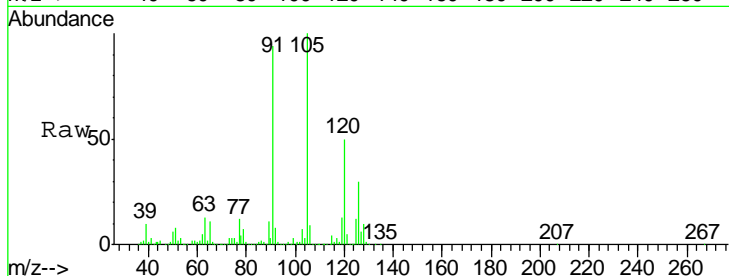
#82
 4-Chlorotoluene
 Concen: 143.77 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	100		
126	32.1	15.2	45.6

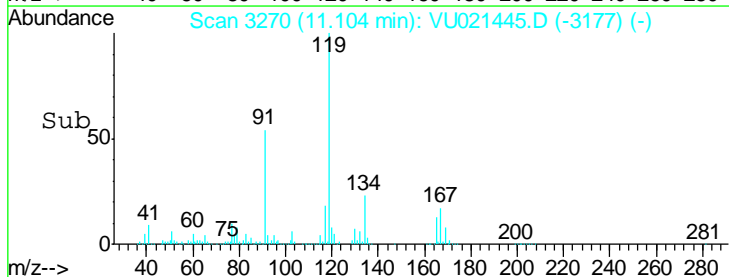
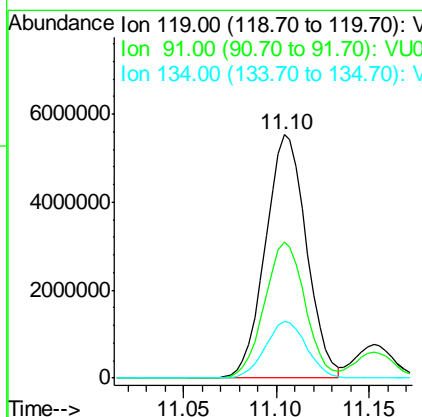
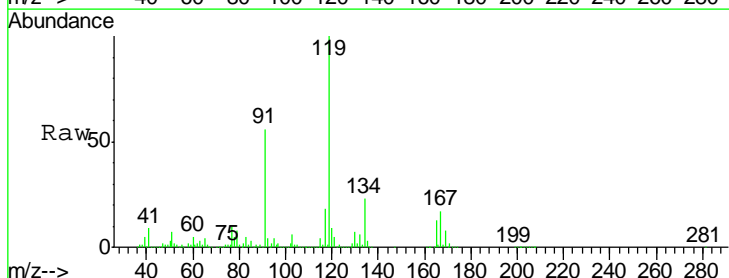
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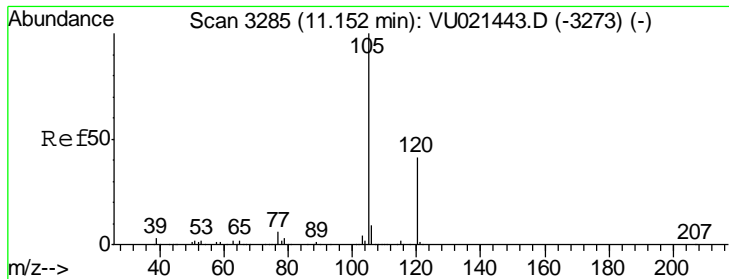
1/4/2018 11:18:52 AM



#83
 tert-Butylbenzene
 Concen: 138.00 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
119	100		
91	55.4	28.7	86.3
134	23.4	11.8	35.3





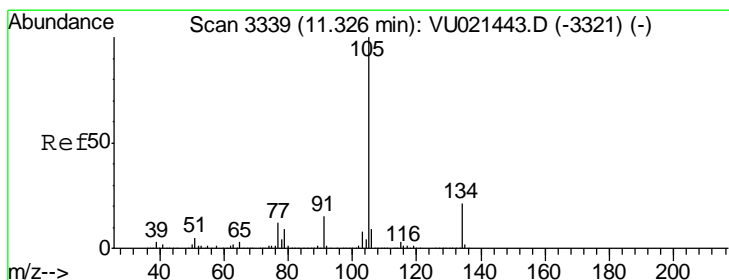
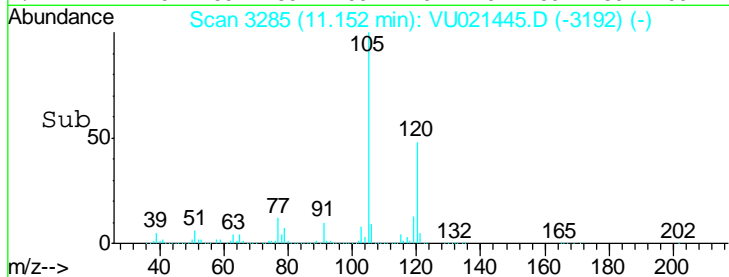
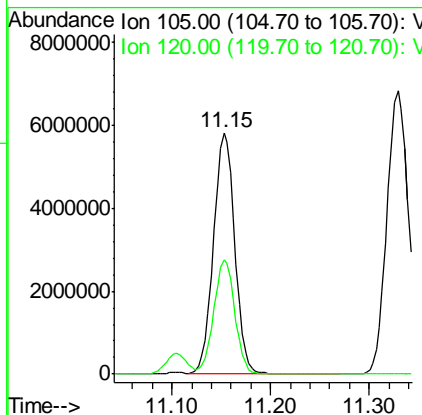
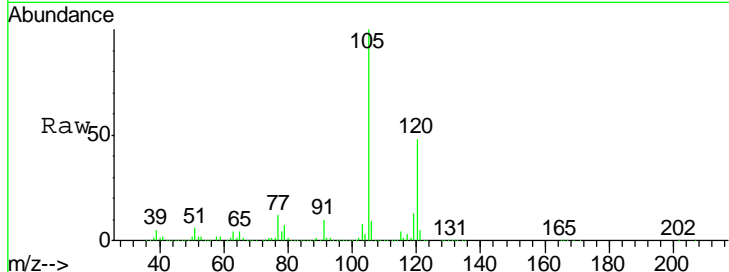
#84
 1,2,4-Trimethylbenzene
 Concen: 141.73 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
105	100		
120	47.1	22.9	68.5

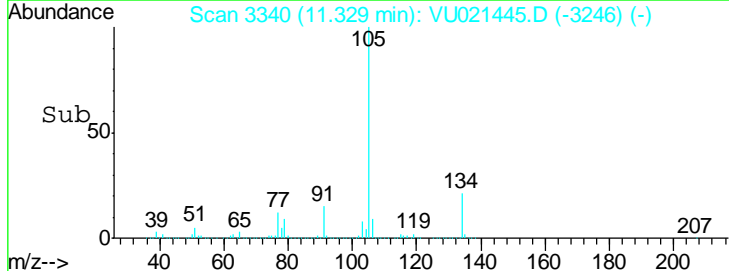
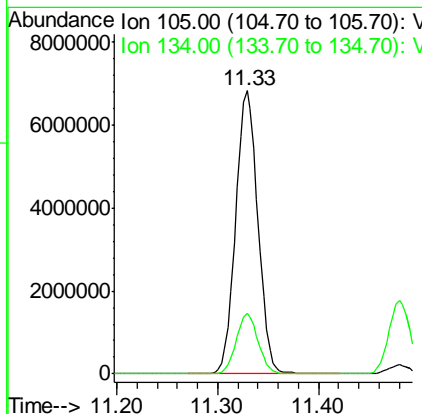
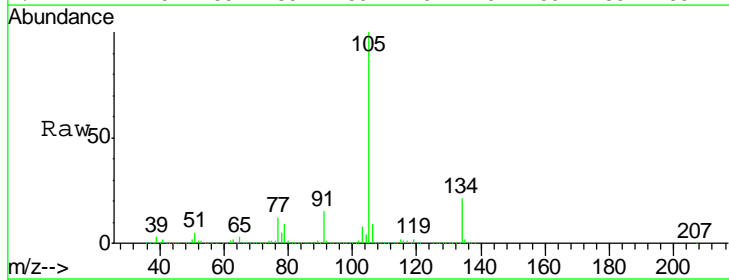
Manual Integrations
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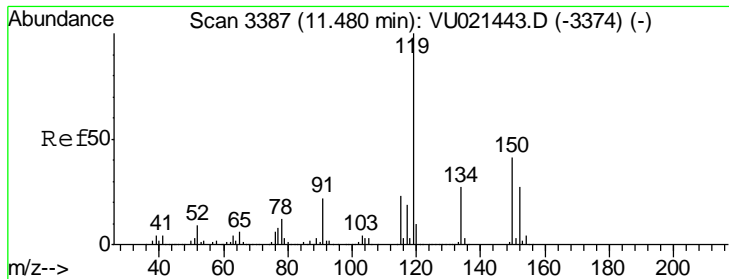
1/4/2018 11:18:52 AM



#85
 sec-Butylbenzene
 Concen: 140.45 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
105	100		
134	21.1	10.1	30.3





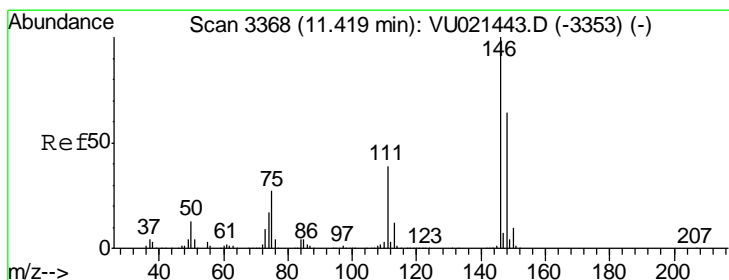
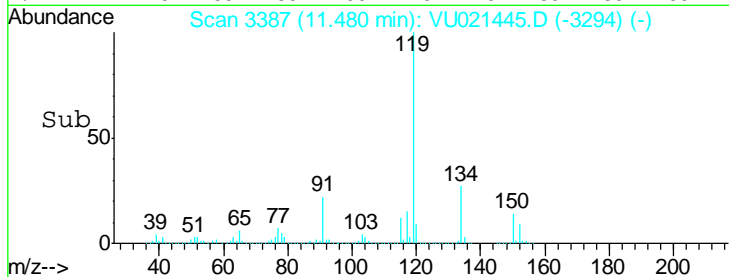
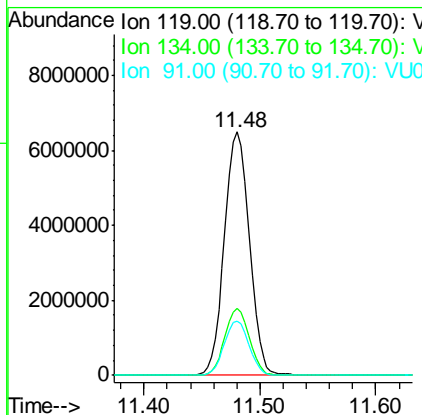
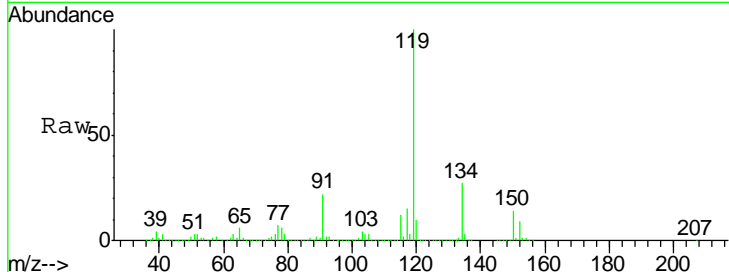
#86
 p-Isopropyltoluene
 Concen: 141.63 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
119	100		
134	27.1	13.6	40.8
91	22.4	11.5	34.5

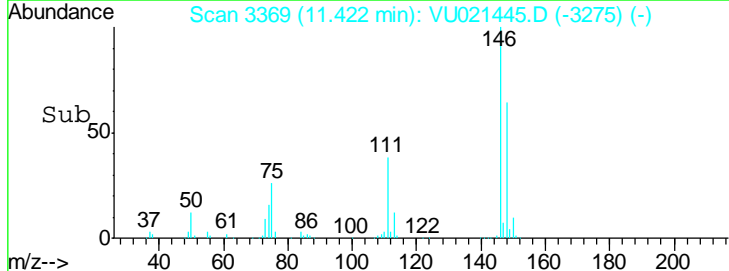
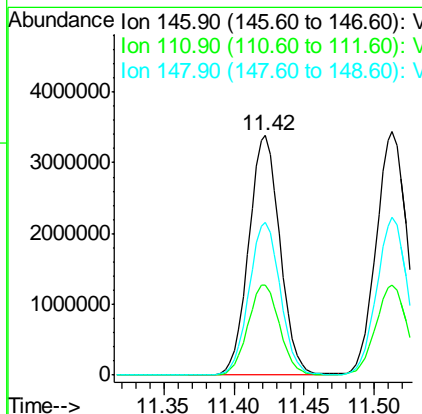
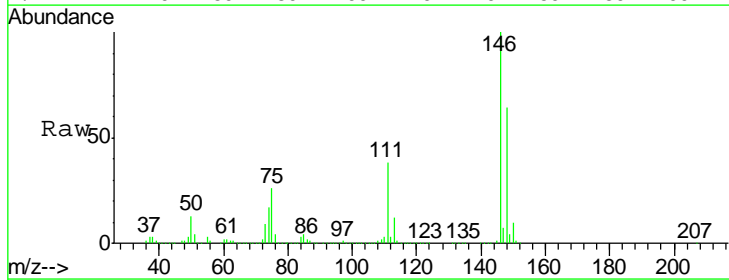
Manual Integrations
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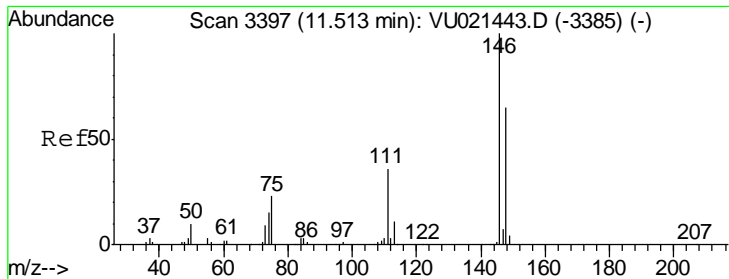
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#87
 1,3-Dichlorobenzene
 Concen: 138.41 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

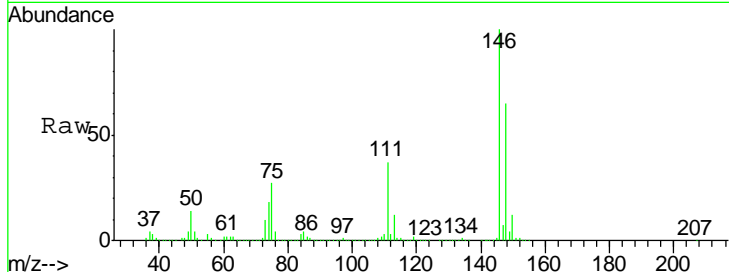
Tgt Ion	Resp	Lower	Upper
146	100		
111	38.1	18.8	56.3
148	64.1	32.0	96.2





#88
 1,4-Dichlorobenzene
 Concen: 136.43 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

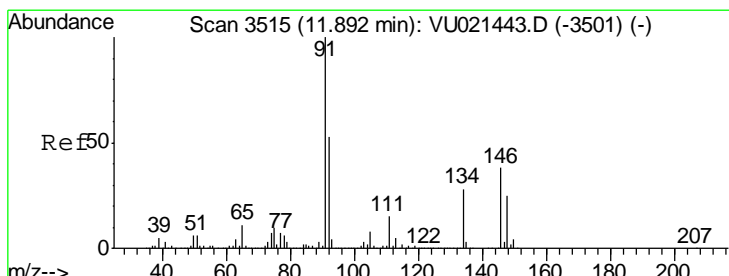
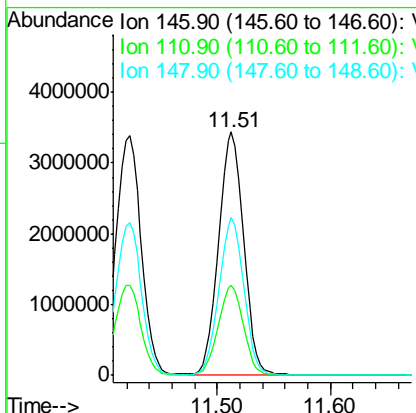
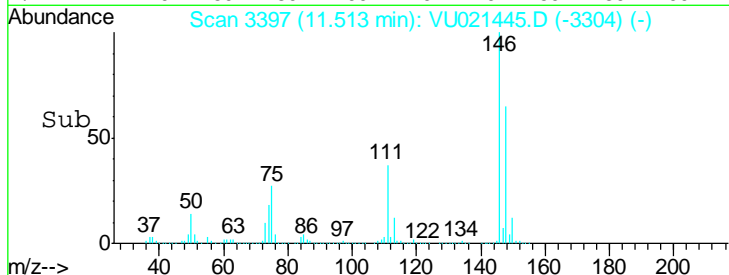
Instrument : MSVOA_U
 Client Sampled : VSTDIC150



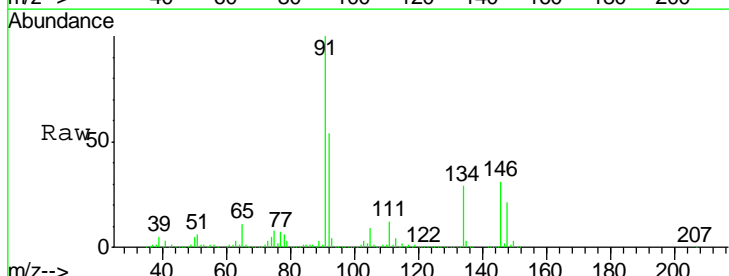
Tgt Ion: 146 Resp: 5311617

Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.2
148	64.4	31.9	95.9

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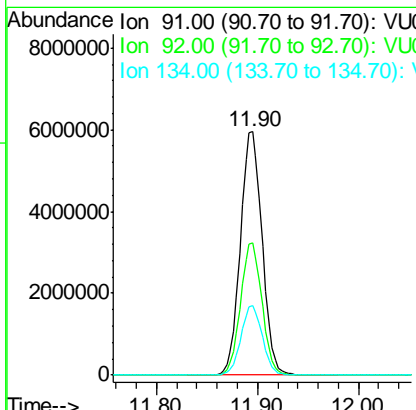
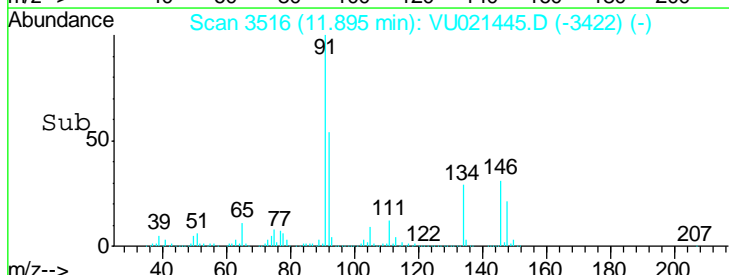


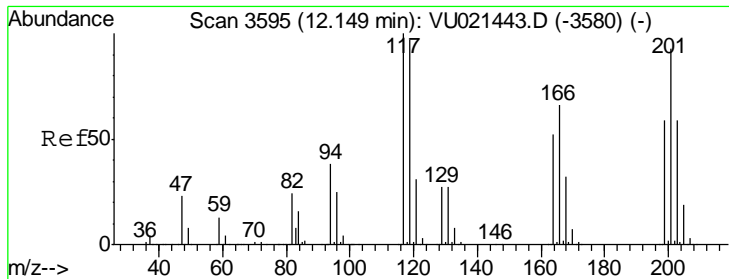
#89
 n-Butylbenzene
 Concen: 157.93 ug/l
 RT: 11.90 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08



Tgt Ion: 91 Resp: 8832145

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.2	78.5
134	28.2	13.0	38.9





#90
 Hexachloroethane
 Concen: 142.81 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

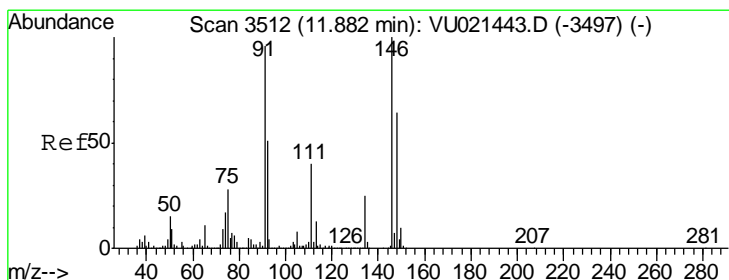
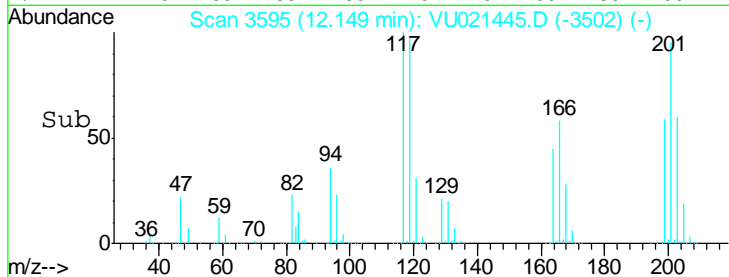
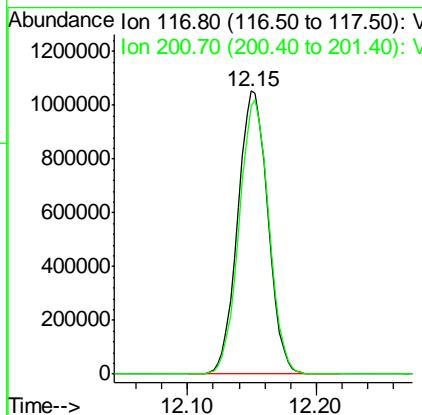
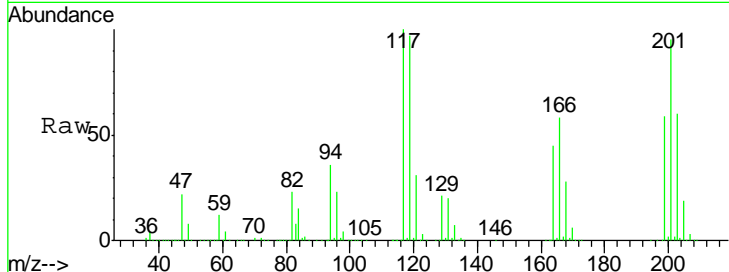
Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion: 117 Resp: 1713008

Ion	Ratio	Lower	Upper
117	100		
201	95.4	44.5	133.7

Manual Integrations
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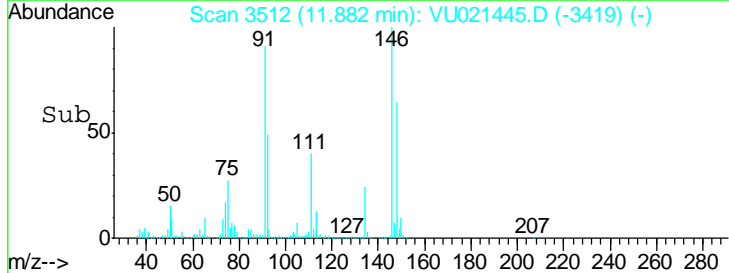
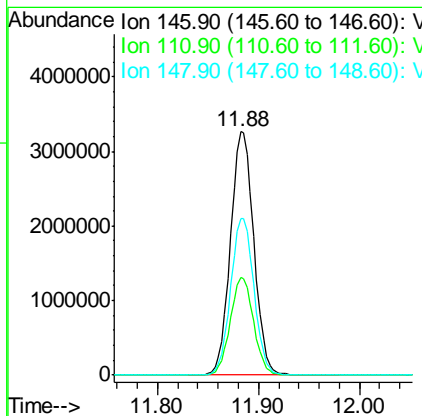
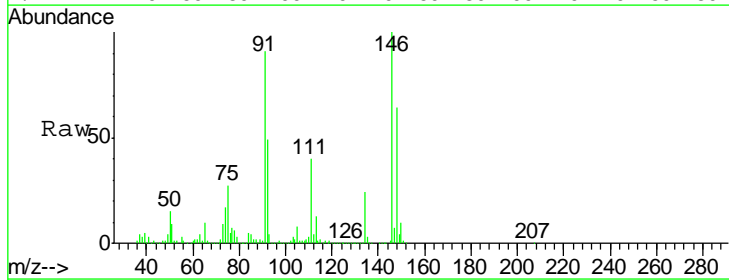
1/4/2018 11:18:52 AM

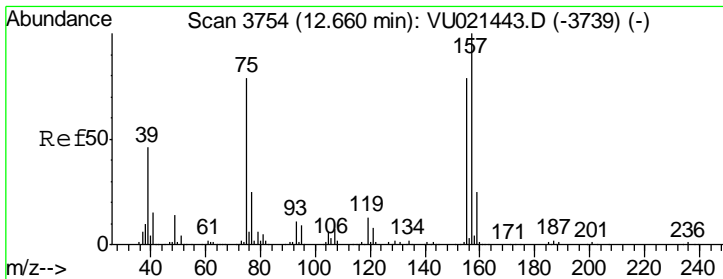


#91
 1,2-Dichlorobenzene
 Concen: 139.97 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion: 146 Resp: 5267307

Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.4	58.1
148	64.7	32.0	96.2





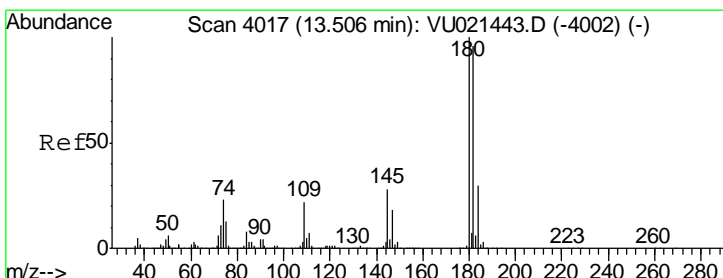
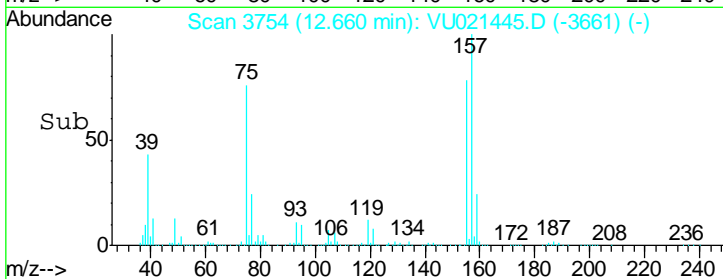
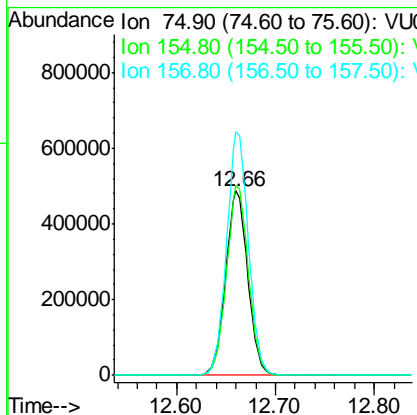
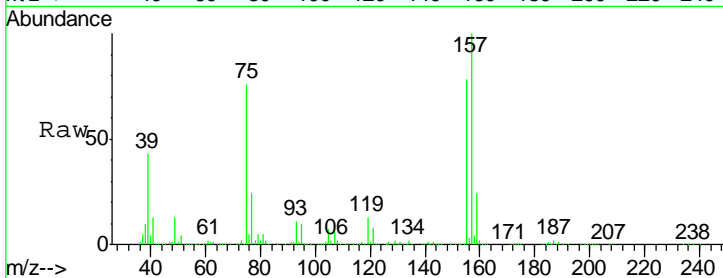
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 164.85 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	767890		
75	100		
155	101.8	47.9	143.7
157	130.5	60.9	182.6

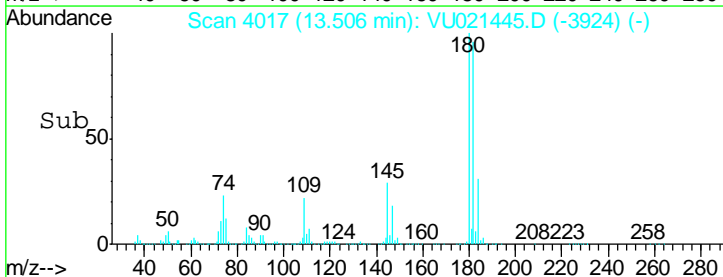
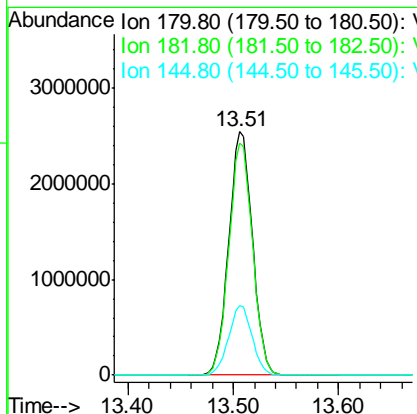
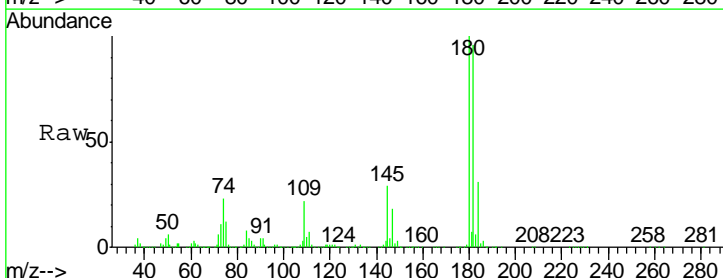
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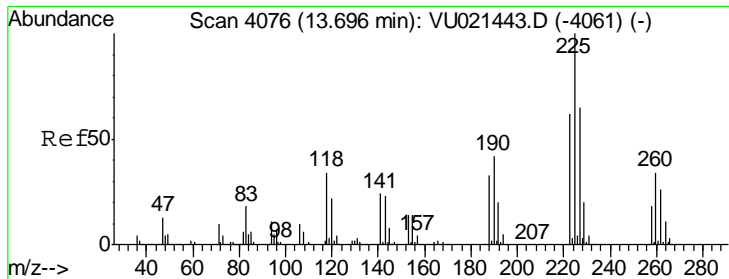
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#93
 1,2,4-Trichlorobenzene
 Concen: 158.36 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Tgt Ion	Resp	Lower	Upper
180	3937590		
180	100		
182	95.6	48.3	144.8
145	28.4	14.2	42.6





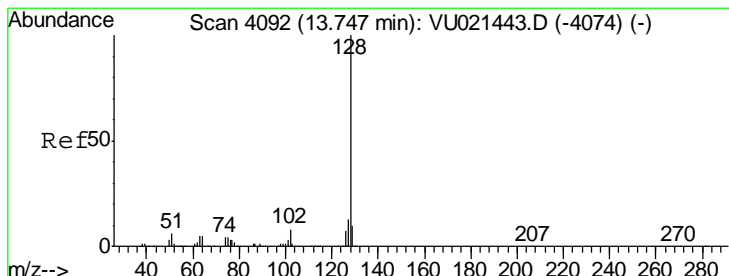
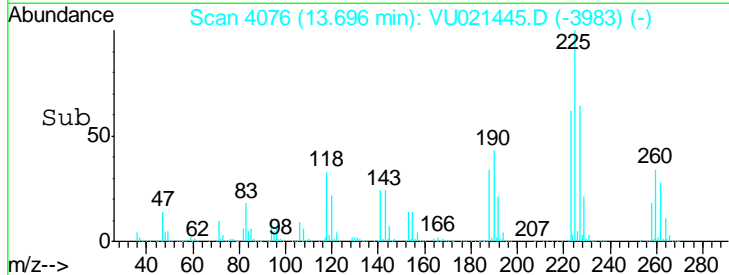
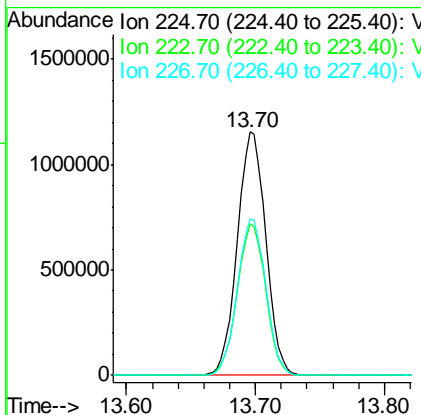
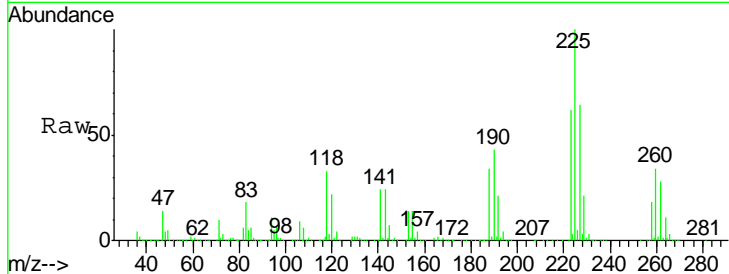
#94
 Hexachlorobutadiene
 Concen: 128.84 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.2	31.9	95.7
227	64.7	32.4	97.2

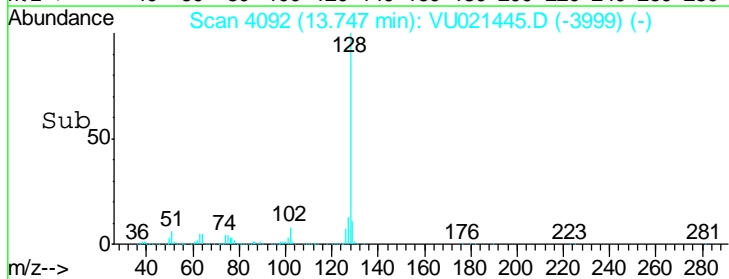
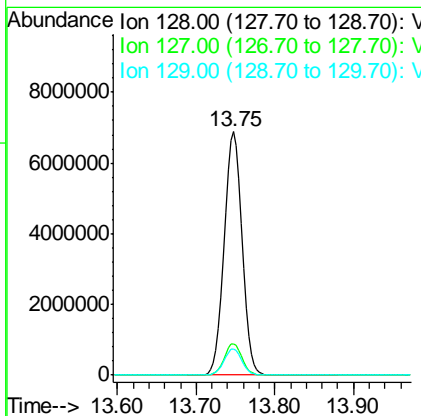
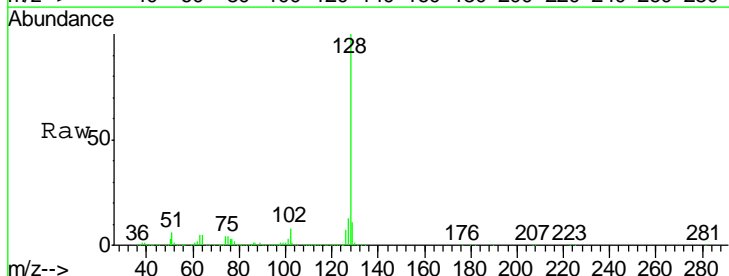
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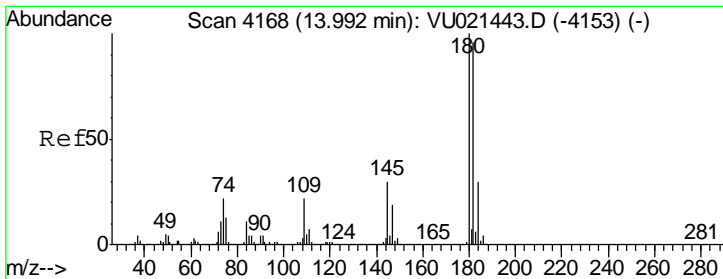
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#95
 Naphthalene
 Concen: 182.74 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

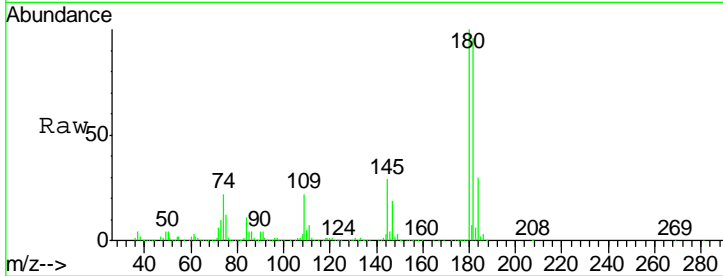
Tgt Ion	Resp	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.9	13.3





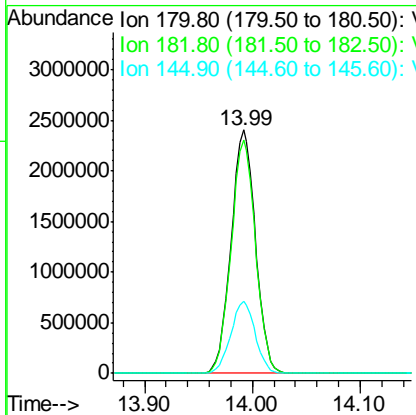
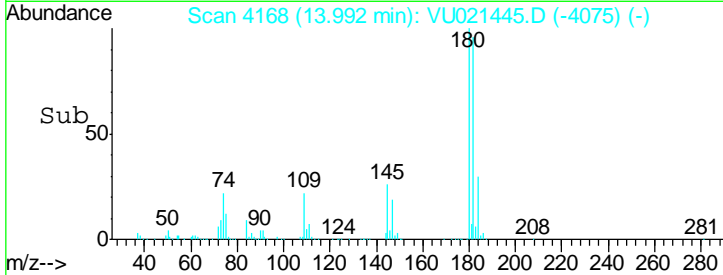
#96
 1,2,3-Trichlorobenzene
 Concen: 156.93 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU021445.D
 Acq: 03 Jan 2018 15:08

Instrument : MSVOA_U
 ClientSampled : VSTDIC150



Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.4
145	29.6	14.9	44.7

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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021446.D
 Acq On : 03 Jan 2018 15:35
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 ICVVU010318

Manual Integrations
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1/4/2018 11:18:57 AM

Quant Time: Jan 04 05:44:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1469683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	2162917	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1992698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	1072662	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	636946	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	= 101.60%		
35) Dibromofluoromethane	4.89	113	593576	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	= 99.14%		
50) Toluene-d8	7.57	98	2043023	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	= 107.06%		
62) 4-Bromofluorobenzene	10.31	95	861670	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	= 96.90%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	576576	48.10	ug/l	99
3) Chloromethane	1.33	50	690808	47.86	ug/l	97
4) Vinyl Chloride	1.40	62	724324	49.71	ug/l	99
5) Bromomethane	1.62	94	496115	48.55	ug/l	99
6) Chloroethane	1.69	64	445969	51.29	ug/l	99
7) Trichlorofluoromethane	1.89	101	1022720	49.52	ug/l	99
8) Diethyl Ether	2.10	74	430414	50.22	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	644306	48.67	ug/l	99
10) Methyl Iodide	2.41	142	905850	49.26	ug/l	99
11) Tert butyl alcohol	2.83	59	796901	255.71	ug/l	100
12) 1,1-Dichloroethene	2.28	96	624260	50.57	ug/l	99
13) Acrolein	2.19	56	538981	240.68	ug/l	100
14) Allyl chloride	2.59	41	929332	48.90	ug/l	99
15) Acrylonitrile	2.94	53	1846595	257.49	ug/l	100
16) Acetone	2.32	43	1921895	257.97	ug/l	100
17) Carbon Disulfide	2.48	76	1812399	51.31	ug/l	99
18) Methyl Acetate	2.62	43	828017	52.08	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	2065831	49.68	ug/l	98
20) Methylene Chloride	2.70	84	683254	48.97	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	662982	50.14	ug/l	97
22) Diisopropyl ether	3.58	45	1874032	50.38	ug/l	99
23) Vinyl Acetate	3.53	43	7612854	256.90	ug/l	100
24) 1,1-Dichloroethane	3.45	63	1153800	49.91	ug/l	100
25) 2-Butanone	4.28	43	2507957	265.05	ug/l	100
26) 2,2-Dichloropropane	4.23	77	990247	50.00	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	766420	49.88	ug/l	99
28) Bromochloromethane	4.55	49	480305	49.84	ug/l	100
29) Tetrahydrofuran	4.65	42	1420664	257.34	ug/l	100
30) Chloroform	4.68	83	1197706	50.38	ug/l	99
31) Cyclohexane	5.00	56	1036430	51.28	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	1057106	50.67	ug/l	99
36) 1,1-Dichloropropene	5.14	75	921181	49.81	ug/l	100
37) Ethyl Acetate	4.39	43	846485	51.69	ug/l	100
38) Carbon Tetrachloride	5.14	117	927797	51.15	ug/l	99

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021446.D
 Acq On : 03 Jan 2018 15:35
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010318

Manual Integrations
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 1/4/2018 11:18:57 AM

Quant Time: Jan 04 05:44:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	1156329	50.05	ug/l	99
40) Benzene	5.39	78	2701632	49.86	ug/l	100
41) Methacrylonitrile	4.55	41	476463	53.06	ug/l	98
42) 1,2-Dichloroethane	5.41	62	915769	49.59	ug/l	99
43) Isopropyl Acetate	5.55	43	1404278	51.31	ug/l	100
44) Trichloroethene	6.19	130	806828	49.19	ug/l	98
45) 1,2-Dichloropropane	6.44	63	677630	49.20	ug/l	98
46) Dibromomethane	6.56	93	489578	50.97	ug/l	100
47) Bromodichloromethane	6.76	83	903989	51.34	ug/l	100
48) Methyl methacrylate	6.63	41	705096	51.89	ug/l	98
49) 1,4-Dioxane	6.62	88	350893	1035.13	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	4408951	263.17	ug/l	100
52) Toluene	7.64	92	1743766	50.16	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	1040549	52.90	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	1116849	52.35	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	693161	50.30	ug/l	99
56) Ethyl methacrylate	8.02	69	1070757	51.69	ug/l	100
57) 1,3-Dichloropropane	8.25	76	1157695	50.75	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	2046752	264.27	ug/l	99
59) 2-Hexanone	8.37	43	3508927	266.30	ug/l	100
60) Dibromochloromethane	8.48	129	777341	53.42	ug/l	99
61) 1,2-Dibromoethane	8.59	107	774993	51.20	ug/l	98
64) Tetrachloroethene	8.23	164	772652	49.31	ug/l	99
65) Chlorobenzene	9.12	112	2015892	49.17	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	717426	51.17	ug/l	99
67) Ethyl Benzene	9.25	91	3399504	50.01	ug/l	99
68) m/p-Xylenes	9.38	106	2635991	99.78	ug/l	99
69) o-Xylene	9.78	106	1280021	50.53	ug/l	99
70) Styrene	9.80	104	2158390	51.15	ug/l	99
71) Bromoform	9.96	173	634952	53.39	ug/l #	100
73) Isopropylbenzene	10.17	105	3465693	51.21	ug/l	100
74) N-amyl acetate	10.02	43	1239272	54.03	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	1079276	51.49	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	876635m	50.33	ug/l	
77) Bromobenzene	10.46	156	942022	50.71	ug/l	99
78) n-propylbenzene	10.59	91	3993613	51.53	ug/l	100
79) 2-Chlorotoluene	10.66	91	2310060	50.74	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	2891238	50.80	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.52	75	328127m	54.70	ug/l	
82) 4-Chlorotoluene	10.78	91	2750942	51.34	ug/l	100
83) tert-Butylbenzene	11.10	119	2844668	50.58	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	2973627	51.35	ug/l	100
85) sec-Butylbenzene	11.33	105	3531436	51.41	ug/l	100
86) p-Isopropyltoluene	11.48	119	3196930	51.33	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	1722520	50.97	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	1725617	49.84	ug/l	100
89) n-Butylbenzene	11.89	91	2842334	51.74	ug/l	100
90) Hexachloroethane	12.15	117	516824	53.17	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	1683402	50.08	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	248762	55.01	ug/l	99

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021446.D
 Acq On : 03 Jan 2018 15:35
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010318

Manual Integrations
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Quant Time: Jan 04 05:44:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	1309764	54.56	ug/l	99
94) Hexachlorobutadiene	13.70	225	621615	54.36	ug/l	99
95) Naphthalene	13.75	128	3617674	57.97	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	1254615	53.82	ug/l	100

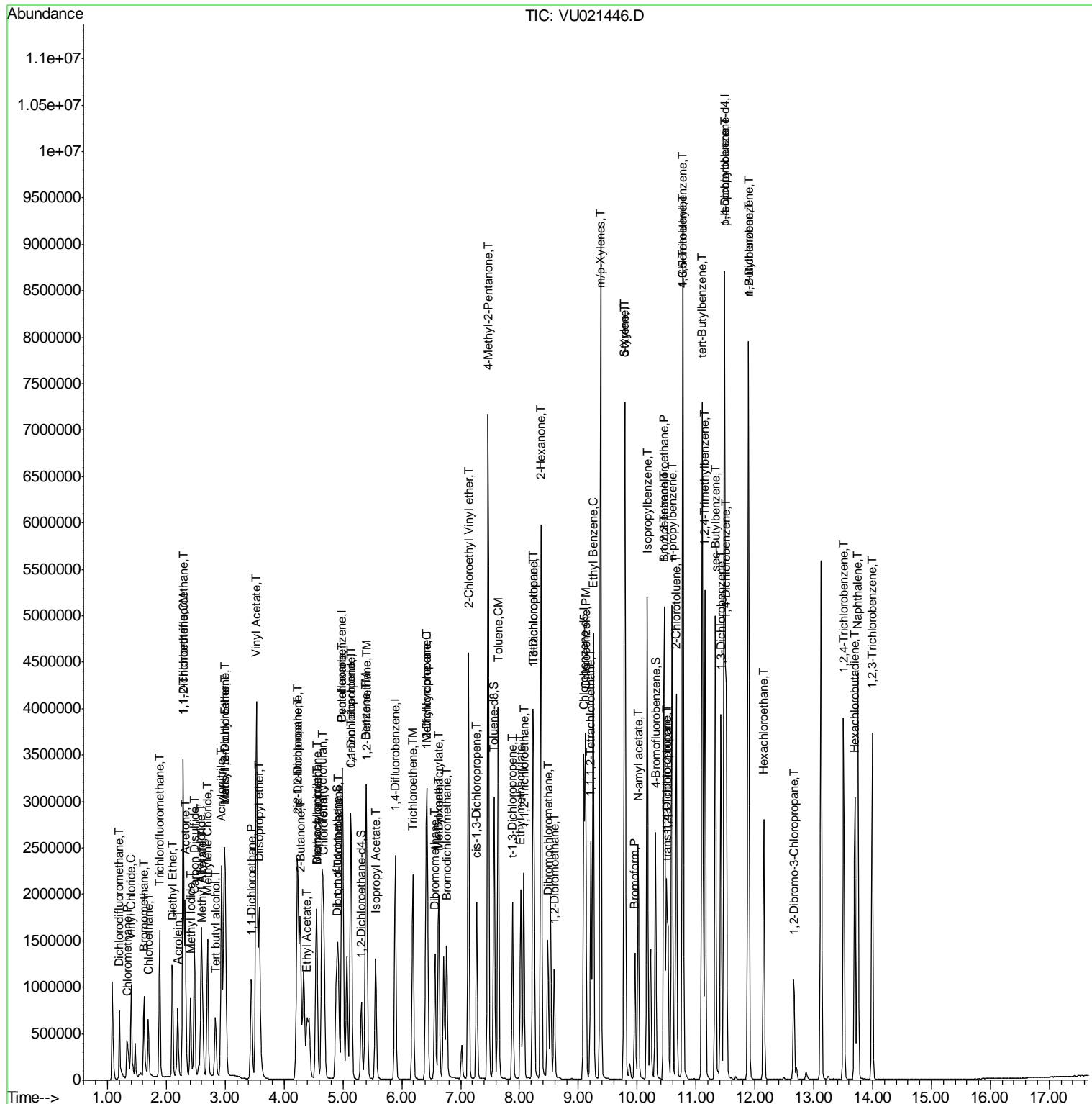
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
Data File : VU021446.D
Acq On : 03 Jan 2018 15:35
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

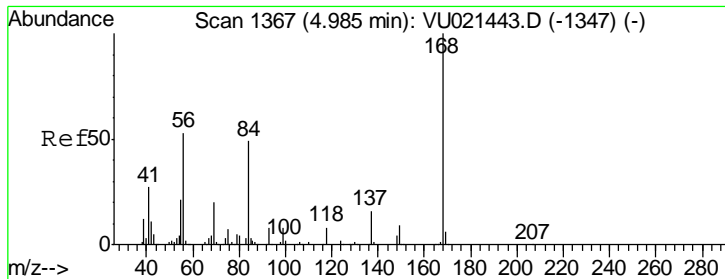
Instrument : MSVOA_U
Client Sampled : ICVVU010318

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Quant Time: Jan 04 05:44:23 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration



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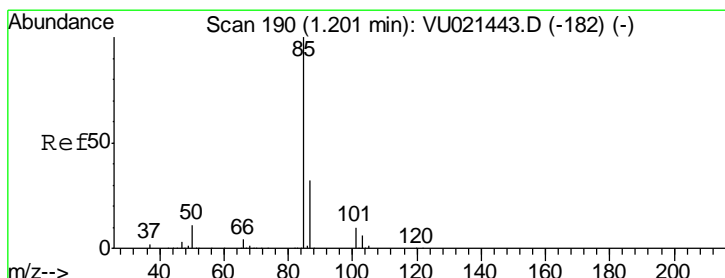
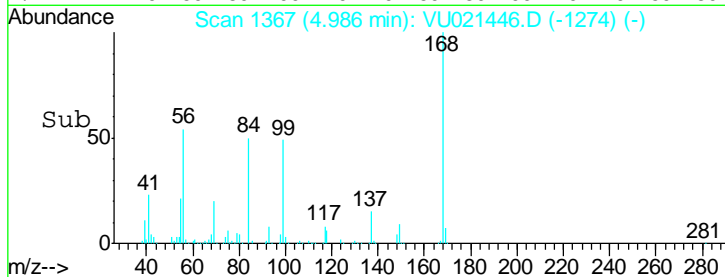
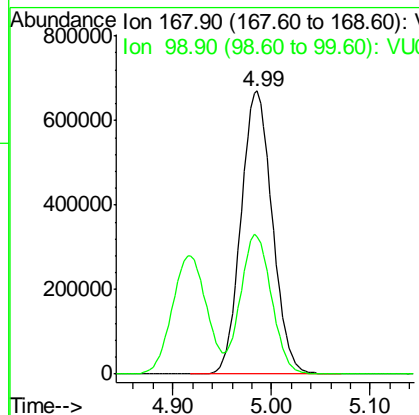
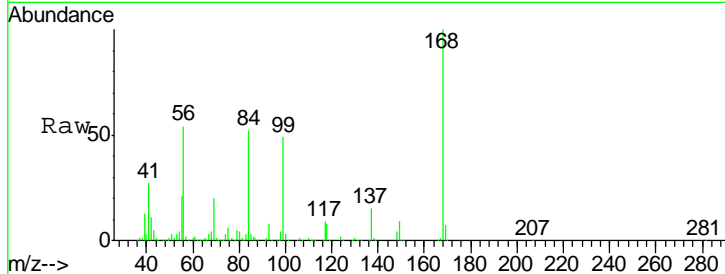
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 ClientSampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
168	100		
99	48.6	39.4	59.2

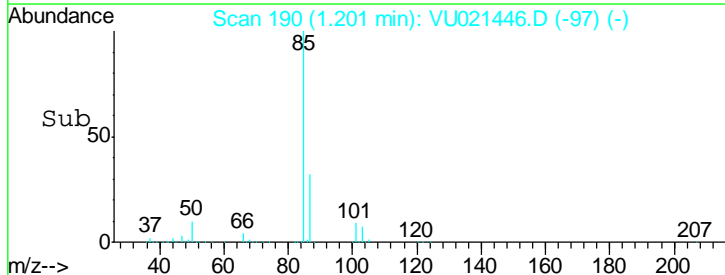
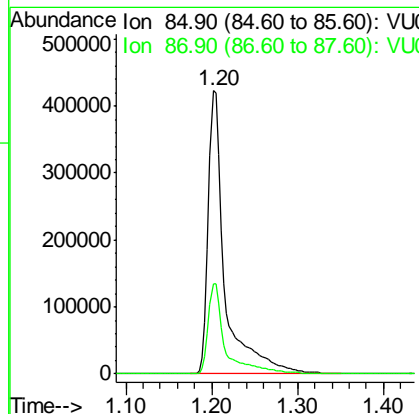
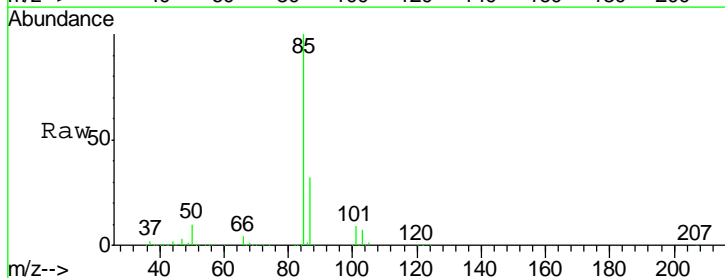
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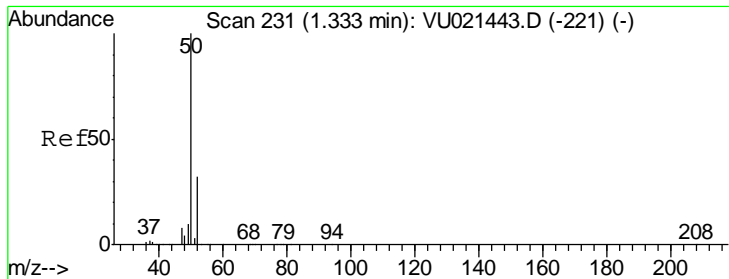
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#2
 Dichlorodifluoromethane
 Concen: 48.10 ug/l
 RT: 1.20 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.8	16.1	48.3





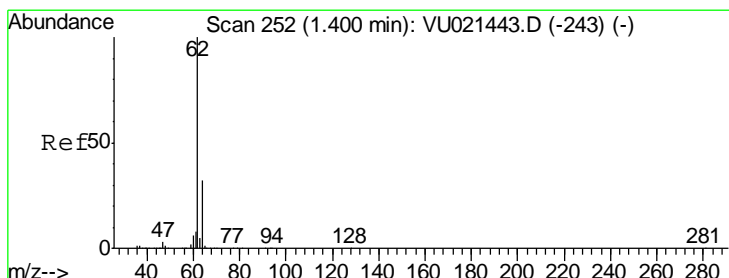
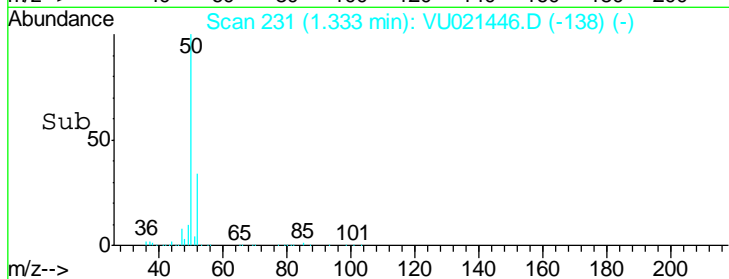
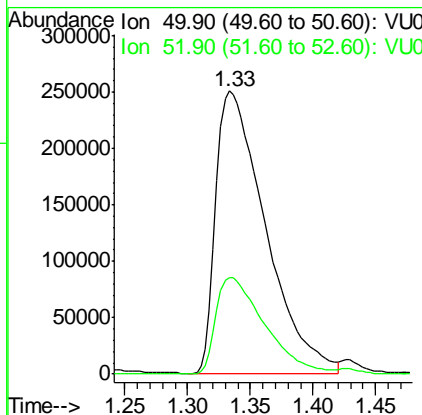
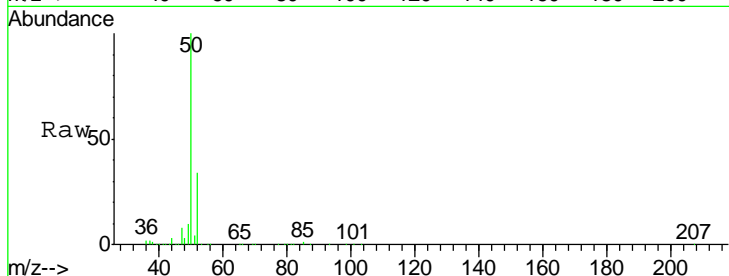
#3
 Chloromethane
 Concen: 47.86 ug/l
 RT: 1.33 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
50	690808		
52	34.4	25.9	38.9

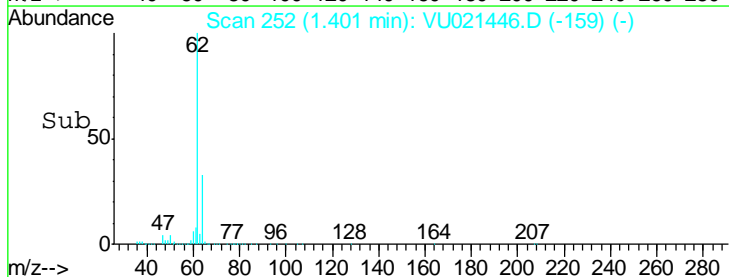
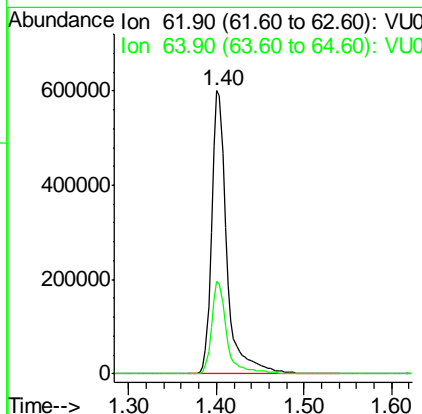
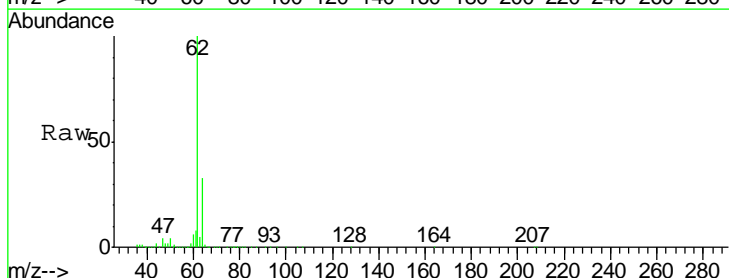
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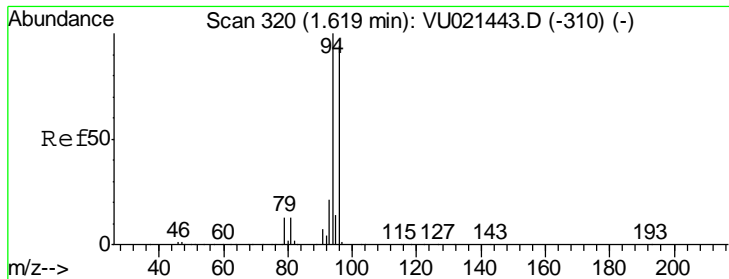
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#4
 Vinyl Chloride
 Concen: 49.71 ug/l
 RT: 1.40 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
62	724324		
64	32.5	25.4	38.0



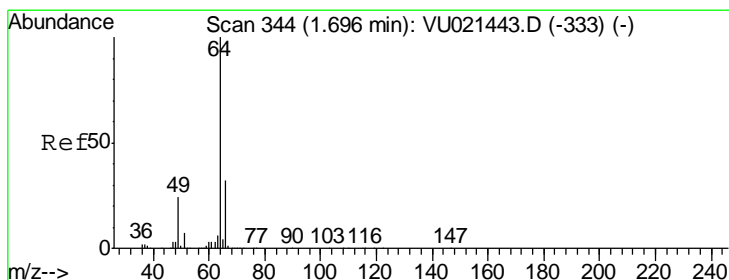
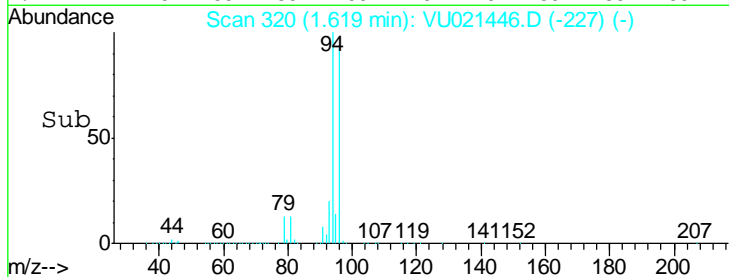
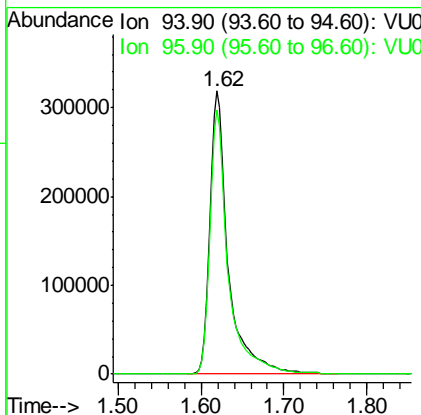
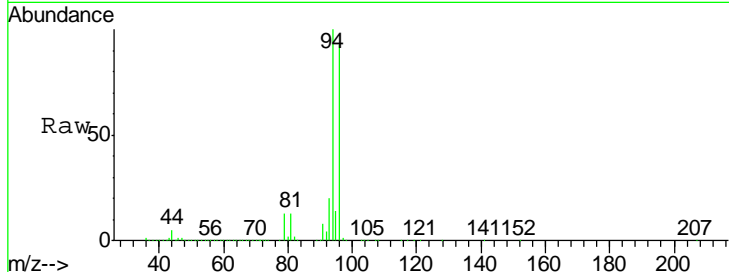


#5
 Bromomethane
 Concen: 48.55 ug/l
 RT: 1.62 min Scan# 320
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.2	75.2	112.8

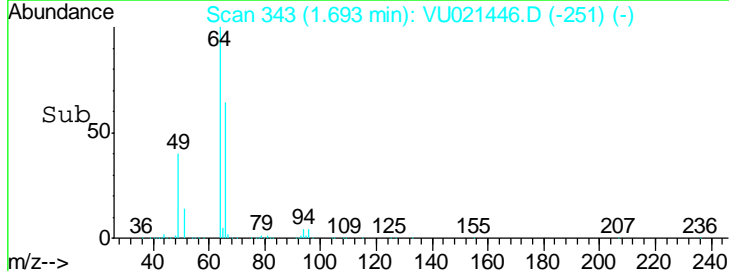
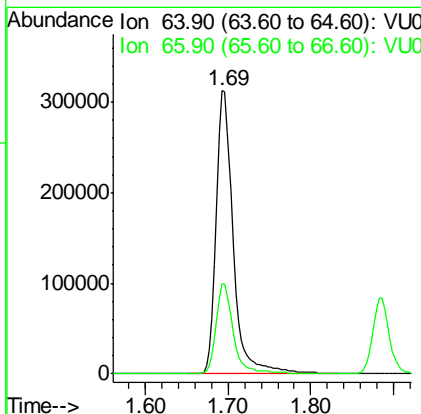
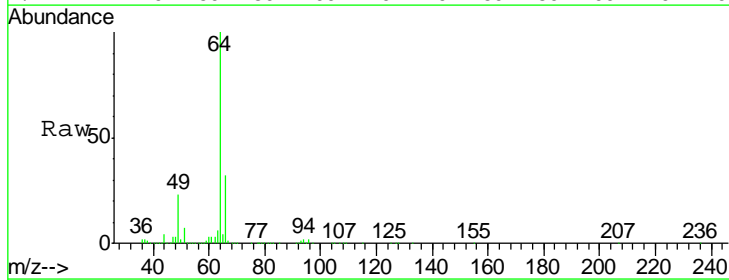
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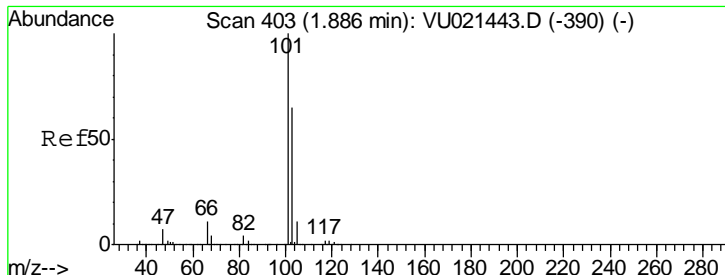
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#6
 Chloroethane
 Concen: 51.29 ug/l
 RT: 1.69 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.7	25.8	38.8



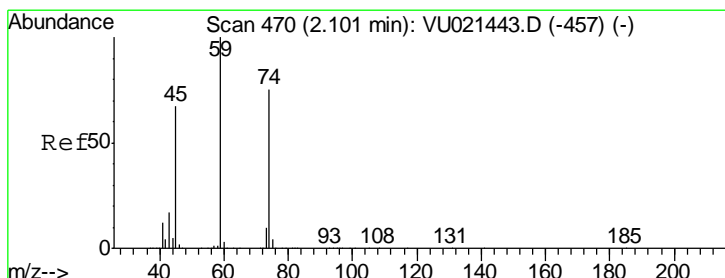
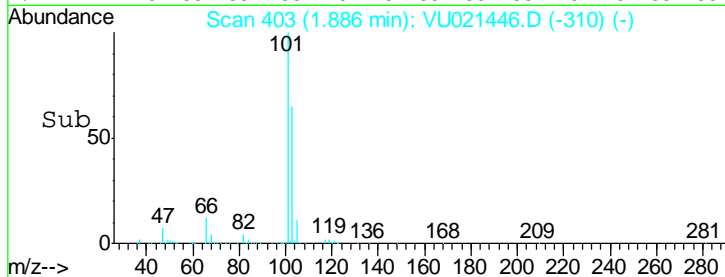
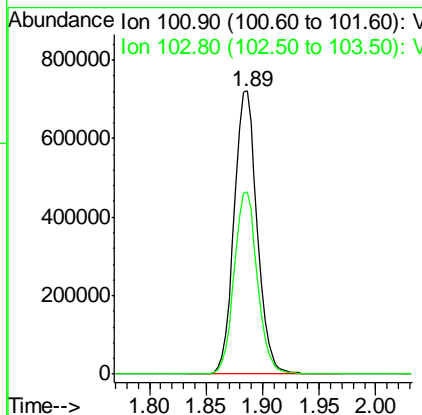
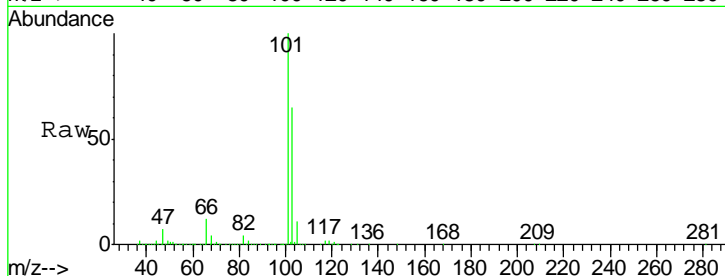


#7
 Trichlorofluoromethane
 Concen: 49.52 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
101	100		
103	64.6	52.2	78.2

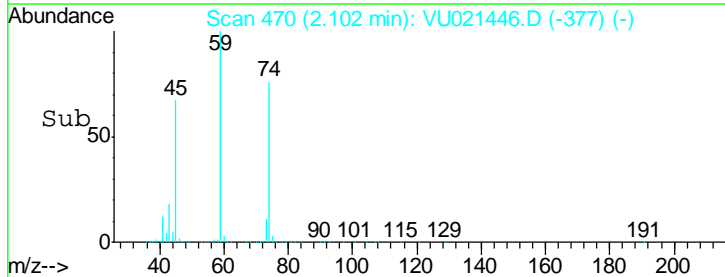
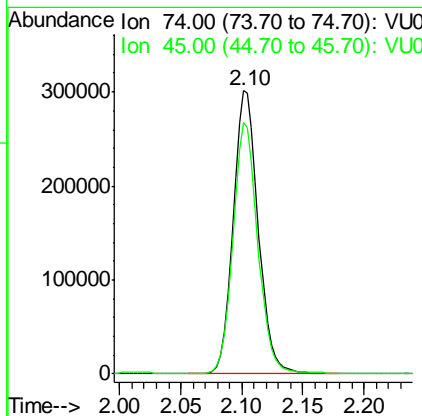
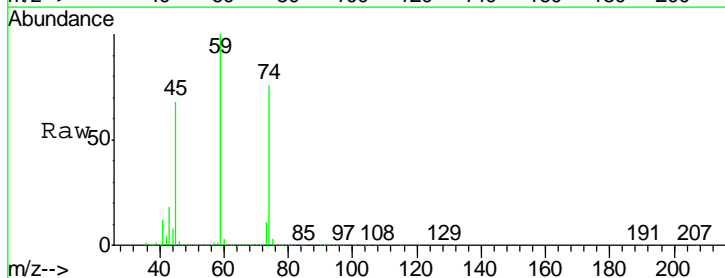
Instrument : MSVOA_U
 ClientSampled : ICVVU010318

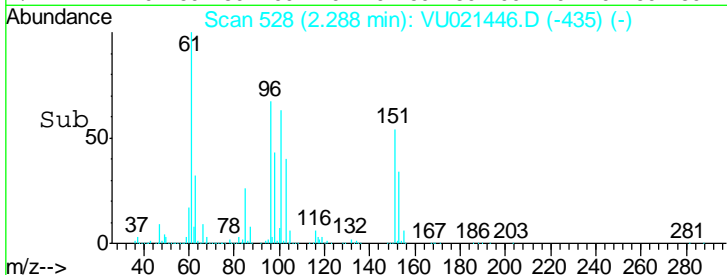
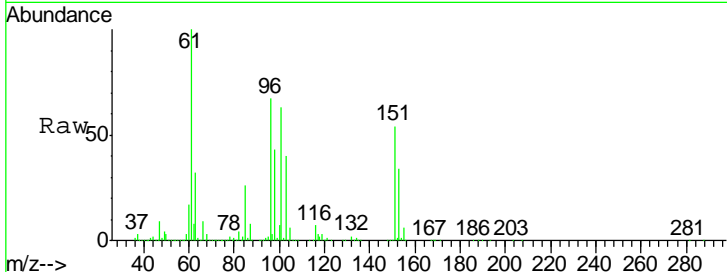
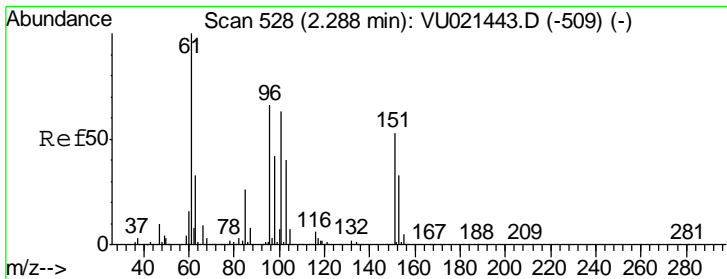
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#8
 Diethyl Ether
 Concen: 50.22 ug/l
 RT: 2.10 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
74	100		
45	87.2	44.0	132.0



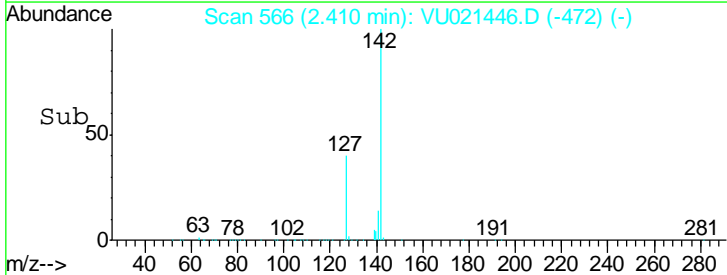
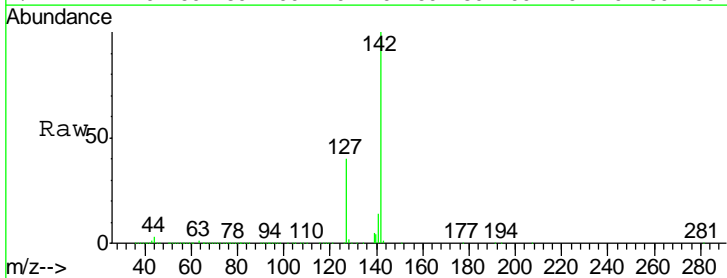
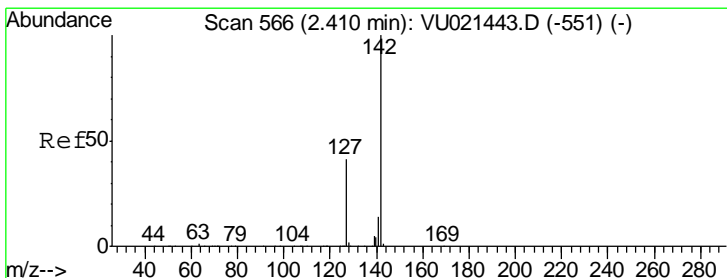
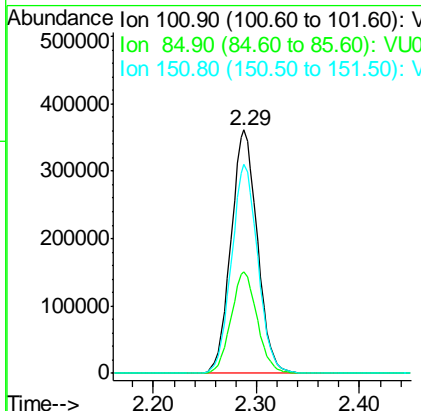


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.67 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
101	644306		
101	100		
85	41.4	33.2	49.8
151	85.7	67.1	100.7

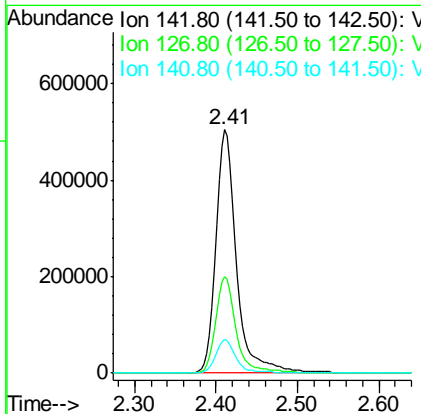
Instrument : MSVOA_U
 Client Sampled : ICVVU010318

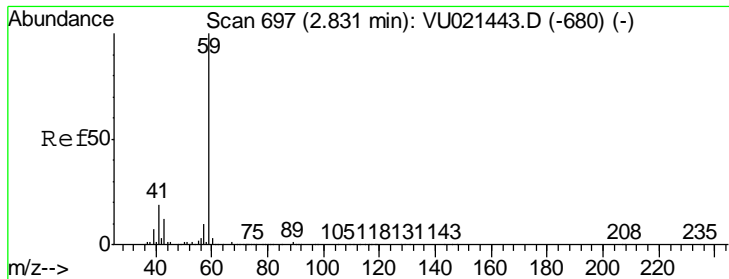
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#10
 Methyl Iodide
 Concen: 49.26 ug/l
 RT: 2.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
142	905850		
142	100		
127	39.5	32.2	48.4
141	13.7	11.3	16.9





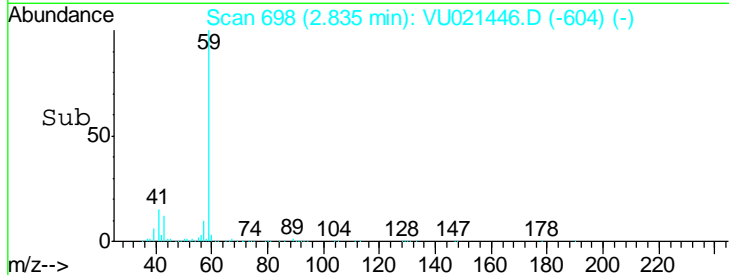
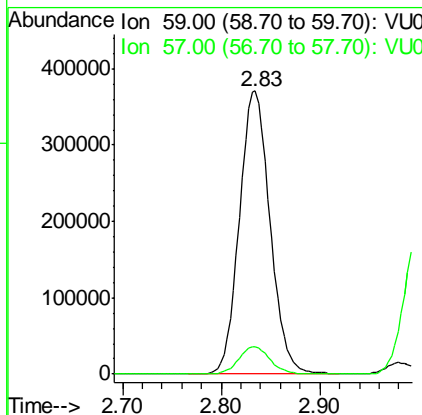
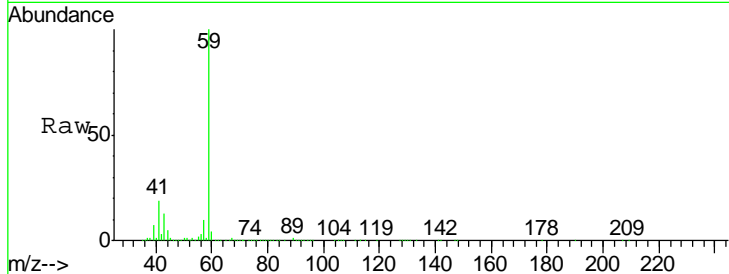
#11
 Tert butyl alcohol
 Concen: 255.71 ug/l
 RT: 2.83 min Scan# 698
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
59	796901		
57	9.7	7.7	11.5

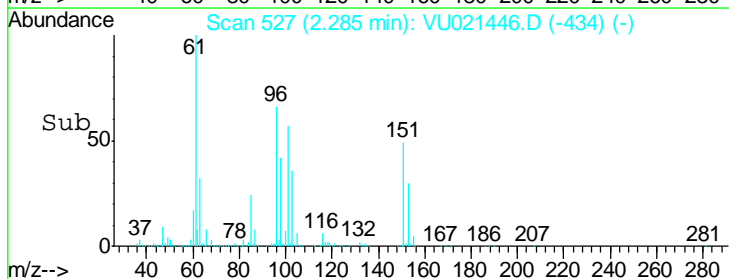
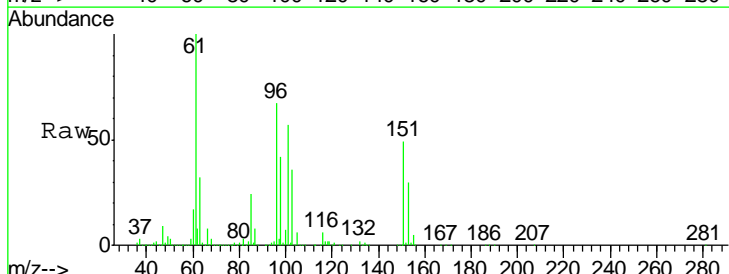
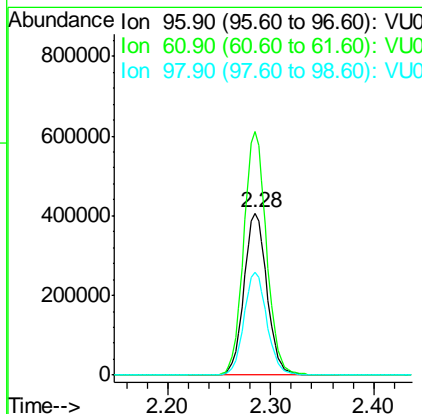
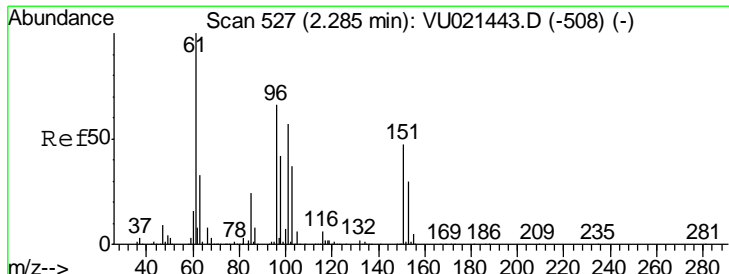
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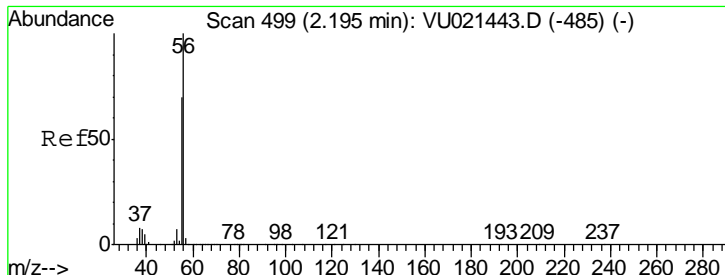
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#12
 1,1-Dichloroethene
 Concen: 50.57 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
96	624260		
61	150.4	121.5	182.3
98	63.3	50.9	76.3





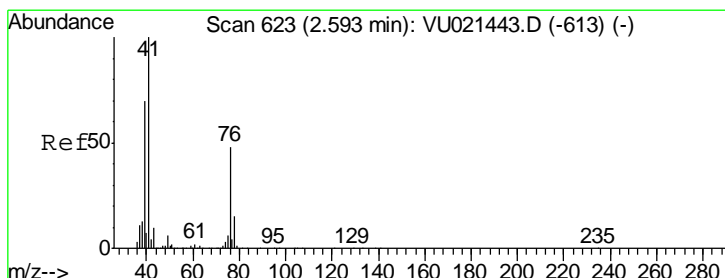
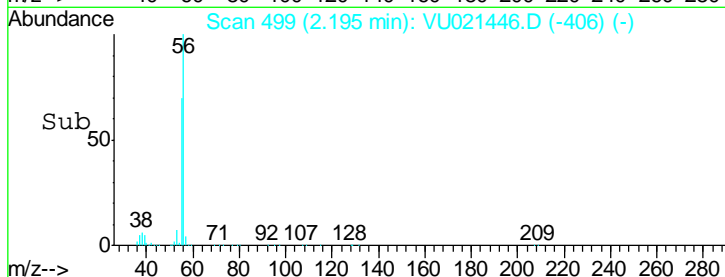
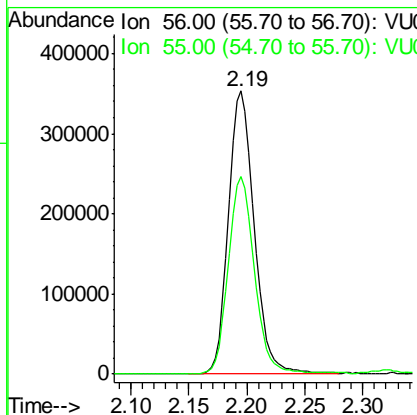
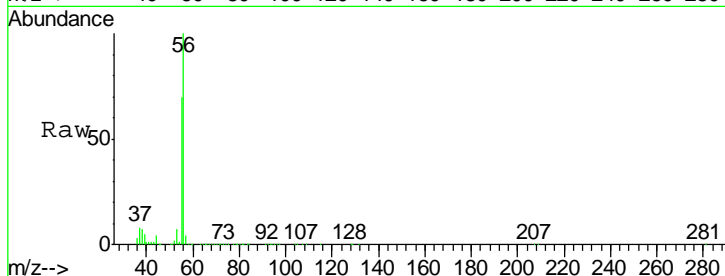
#13
 Acrolein
 Concen: 240.68 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
56	100		
55	70.3	56.5	84.7

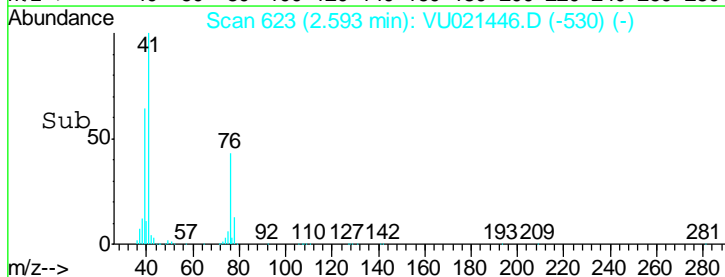
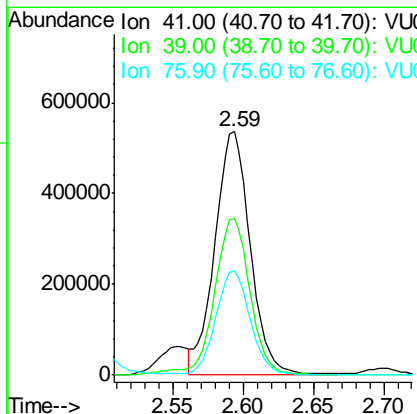
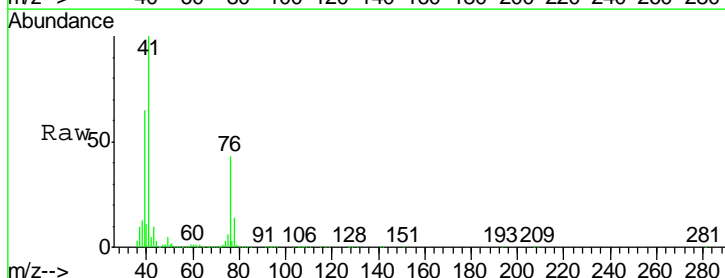
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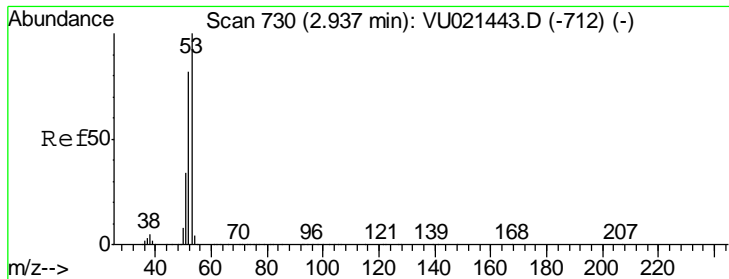
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#14
 Allyl chloride
 Concen: 48.90 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
41	100		
39	65.0	52.7	79.1
76	41.7	34.0	51.0





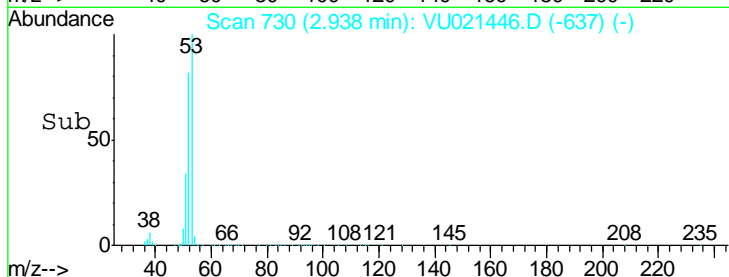
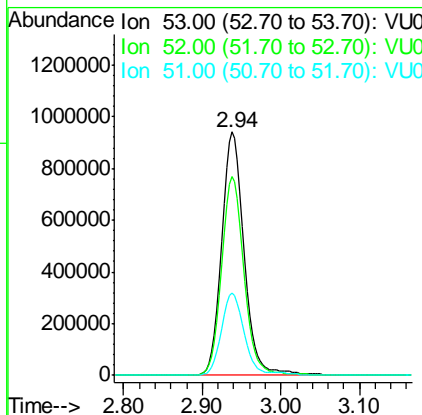
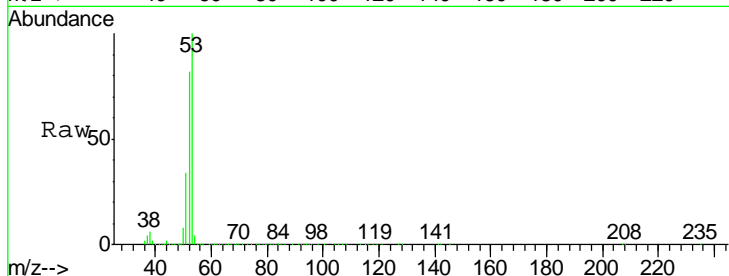
#15
 Acrylonitrile
 Concen: 257.49 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.6	64.9	97.3
51	33.8	27.0	40.4

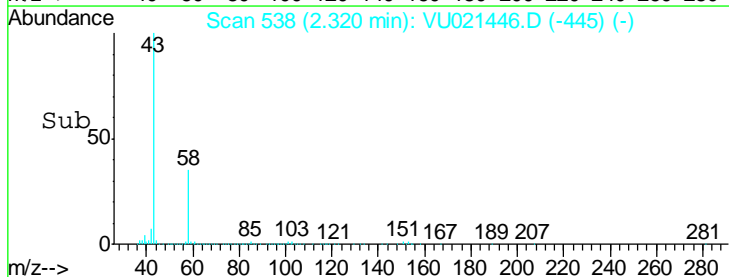
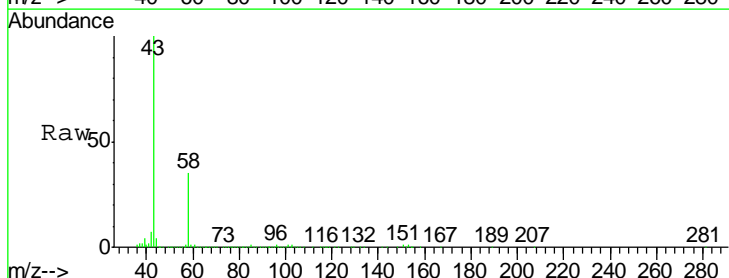
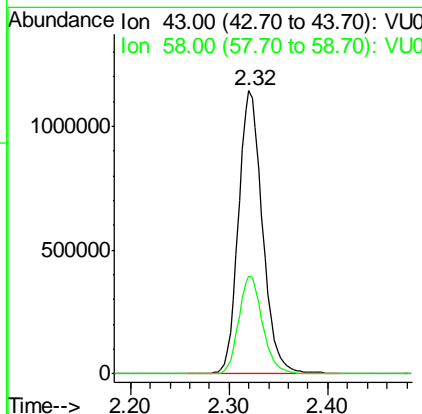
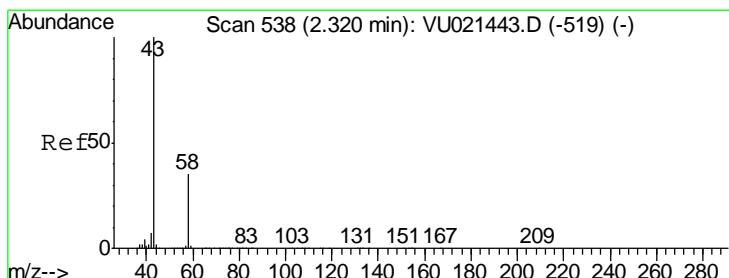
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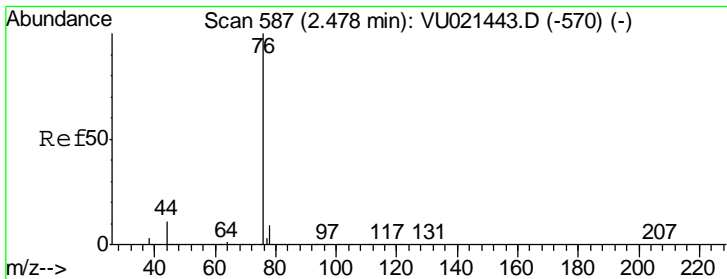
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#16
 Acetone
 Concen: 257.97 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
43	100		
58	34.7	27.8	41.8





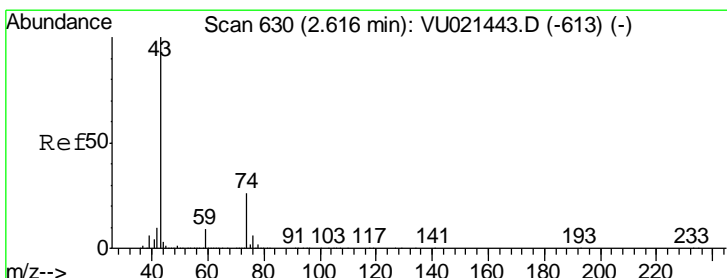
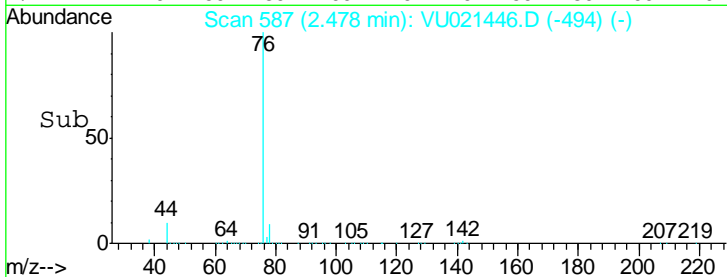
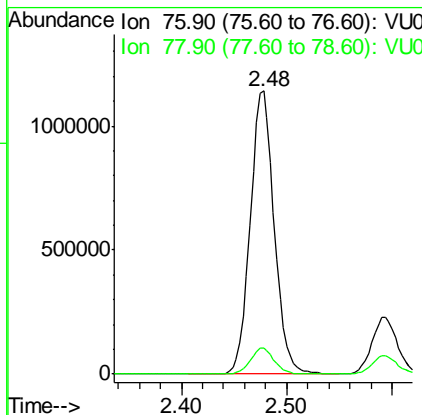
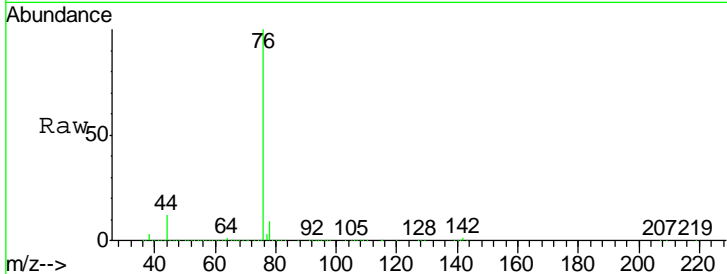
#17
 Carbon Disulfide
 Concen: 51.31 ug/l
 RT: 2.48 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
76	1812399		
76	100		
78	9.2	7.1	10.7

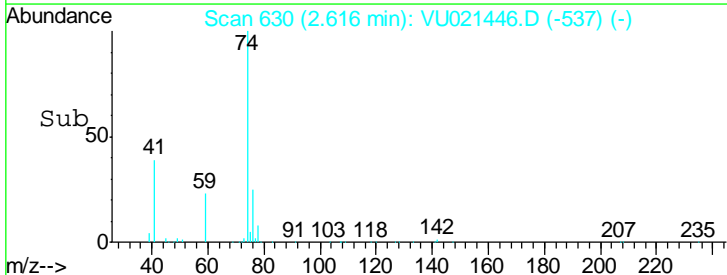
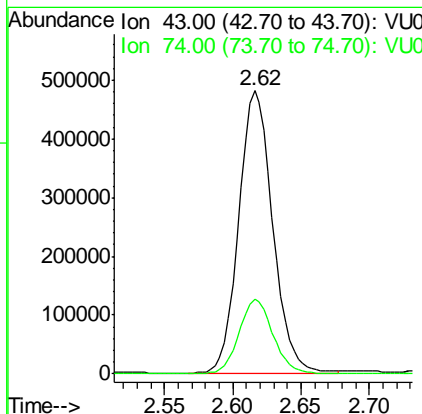
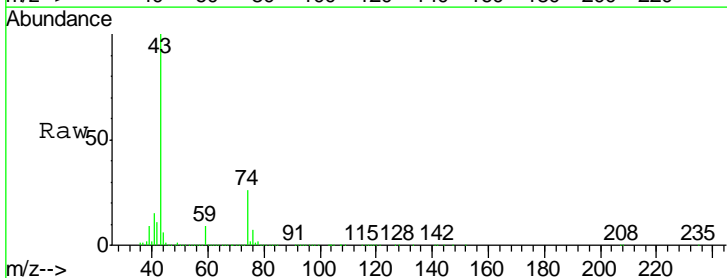
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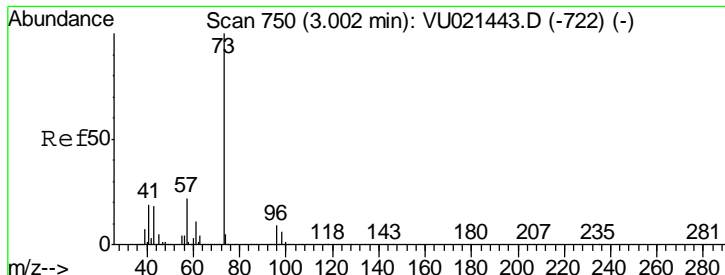
sam
 1/4/2018 11:18:57 AM



#18
 Methyl Acetate
 Concen: 52.08 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
43	828017		
43	100		
74	26.6	21.3	31.9



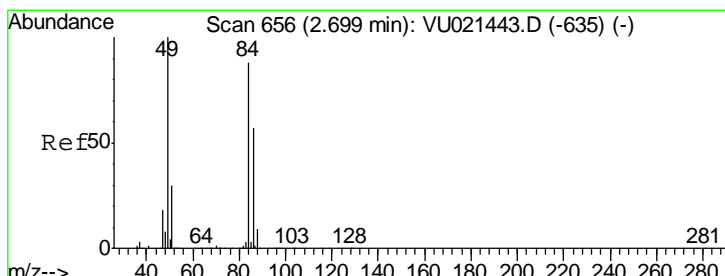
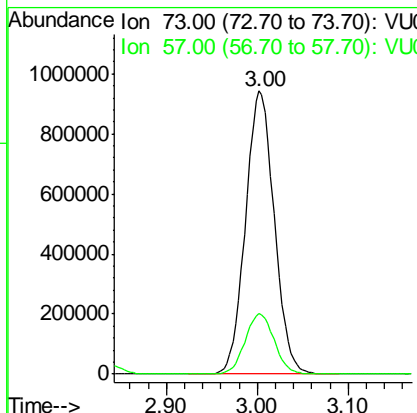
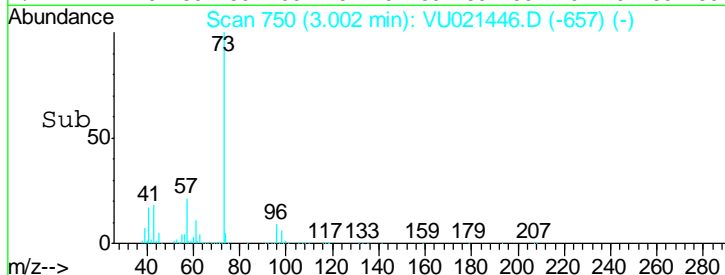
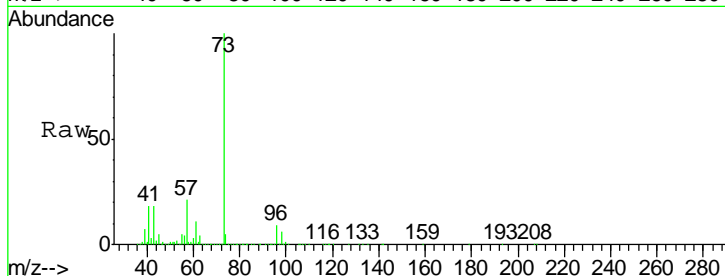


#19
 Methyl tert-butyl Ether
 Concen: 49.68 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
73	100		
57	21.3	17.6	26.4

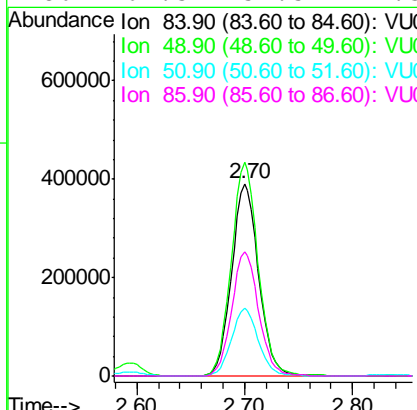
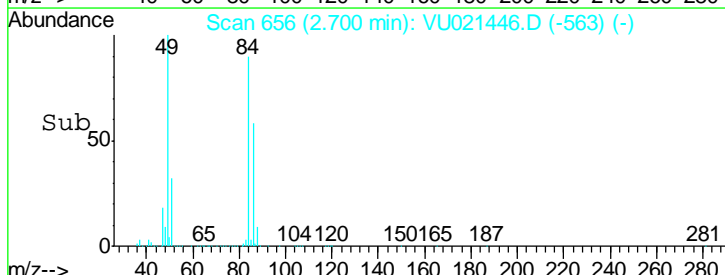
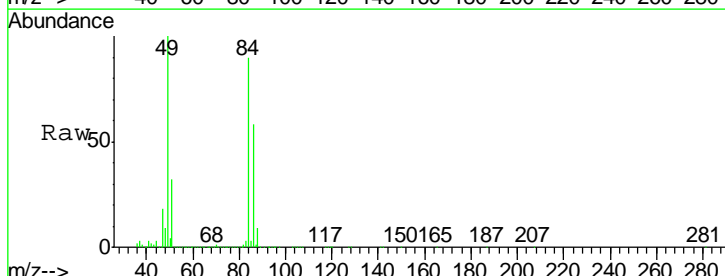
Instrument : MSVOA_U
 Client Sampled : ICVVU010318

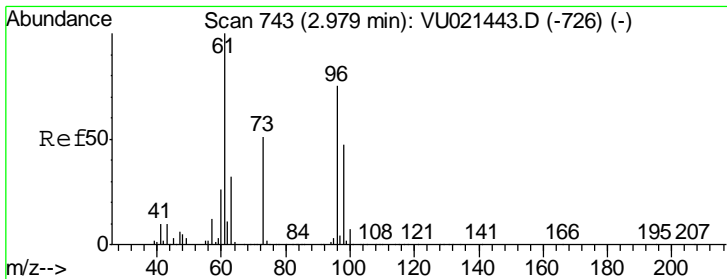
Manual Integrations APPROVED
 sam
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#20
 Methylene Chloride
 Concen: 48.97 ug/l
 RT: 2.70 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

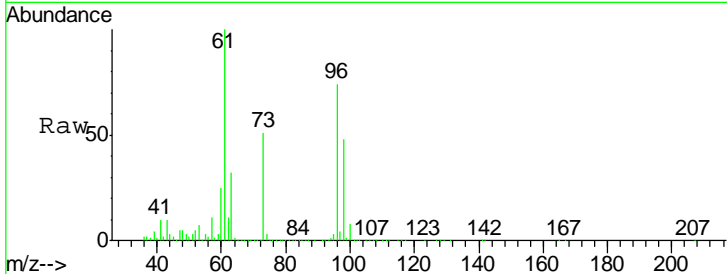
Tgt Ion	Resp	Lower	Upper
84	100		
49	111.1	90.4	135.6
51	35.1	27.4	41.2
86	64.5	51.5	77.3





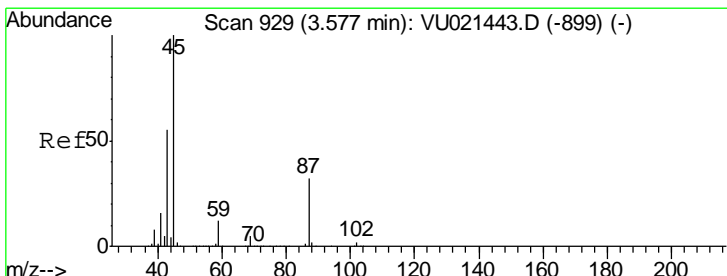
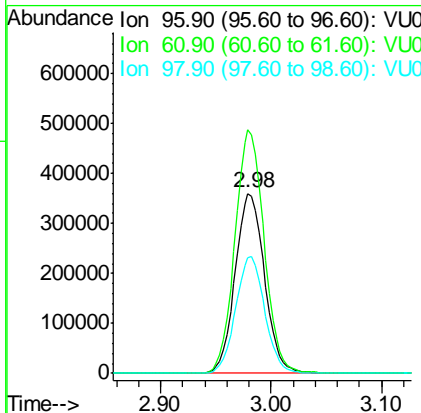
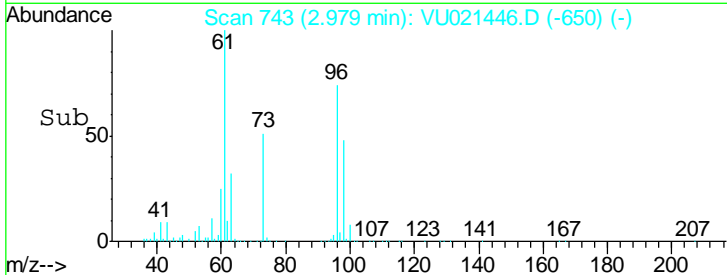
#21
 trans-1,2-Dichloroethene
 Concen: 50.14 ug/l
 RT: 2.98 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

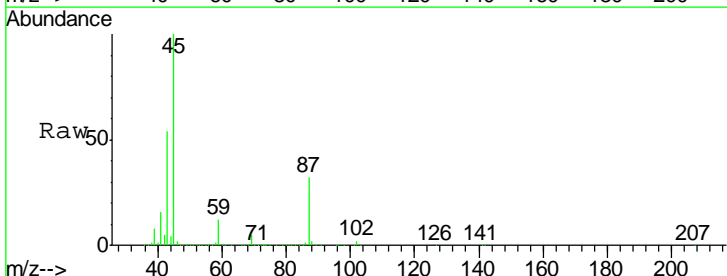


Tgt Ion	Resp	Lower	Upper
96	662982		
96	100		
61	135.5	106.2	159.4
98	64.5	49.6	74.4

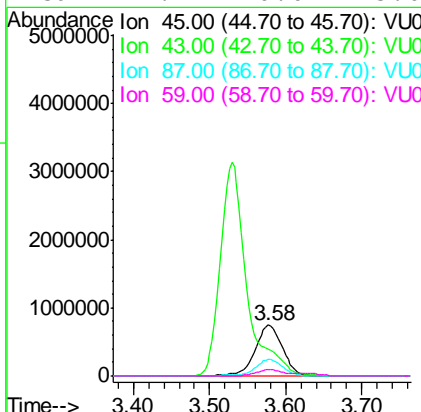
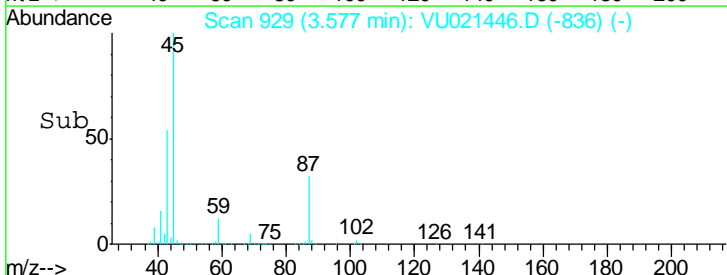
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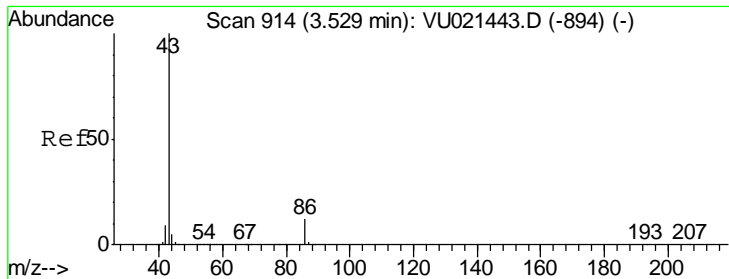


#22
 Diisopropyl ether
 Concen: 50.38 ug/l
 RT: 3.58 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35



Tgt Ion	Resp	Lower	Upper
45	1874032		
45	100		
43	53.9	44.2	66.2
87	32.1	25.8	38.6
59	12.2	10.0	15.0





#23
 Vinyl Acetate
 Concen: 256.90 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

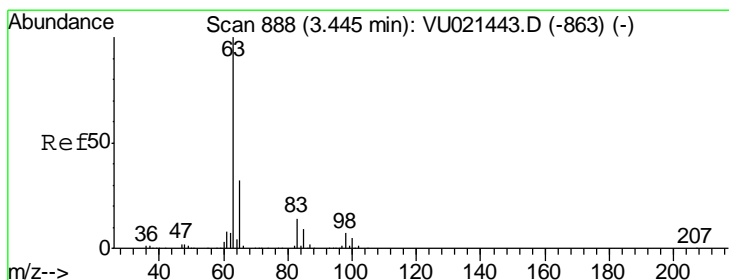
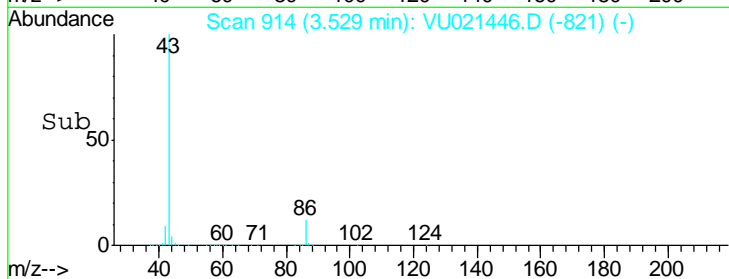
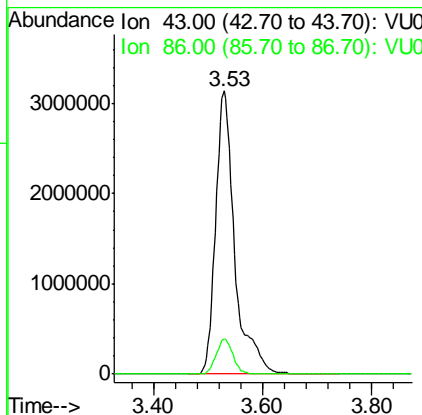
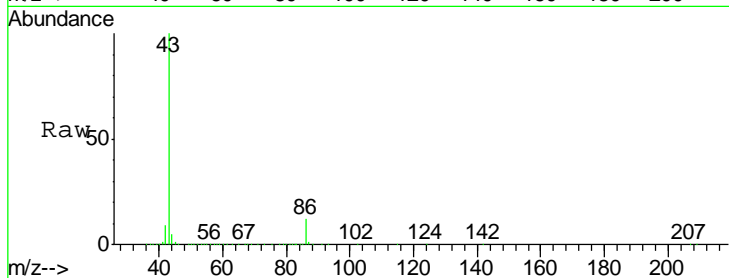
Instrument : MSVOA_U
 ClientSampled : ICVVU010318

Tgt Ion: 43 Resp: 7612854

Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.8	14.6

Manual Integrations
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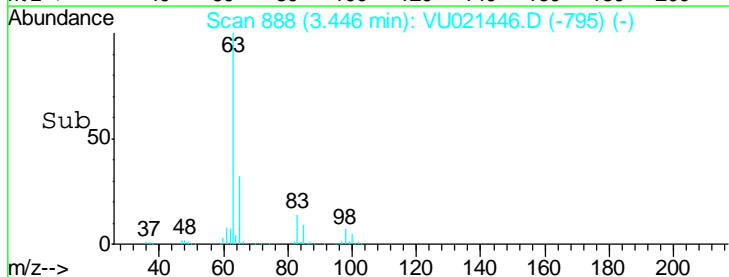
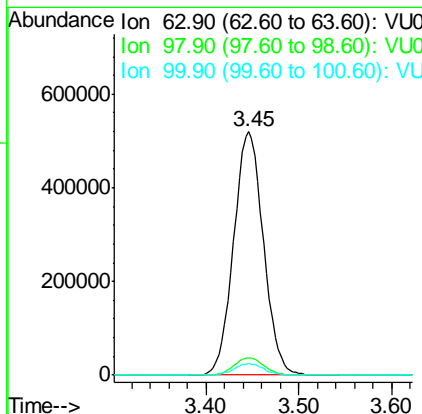
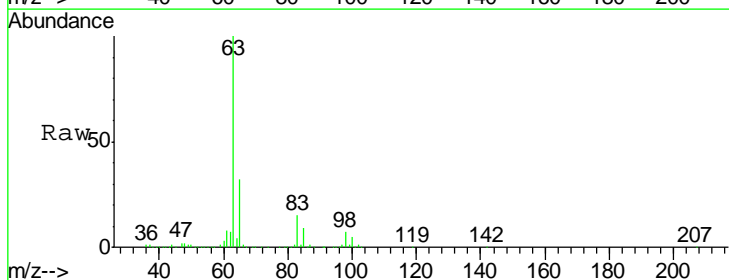
1/4/2018 11:18:57 AM

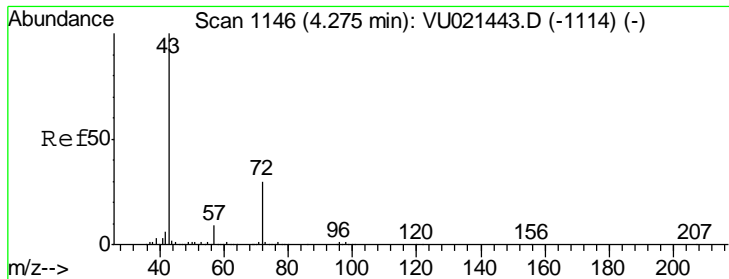


#24
 1,1-Dichloroethane
 Concen: 49.91 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion: 63 Resp: 1153800

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.6
100	4.7	2.3	6.9





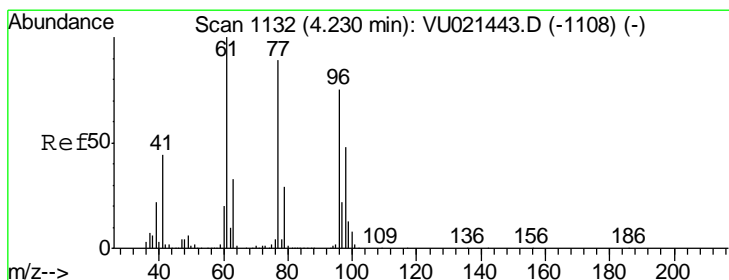
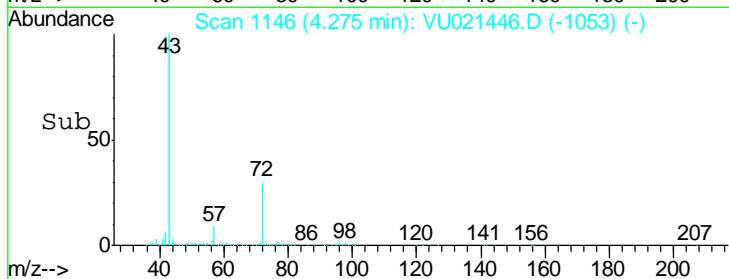
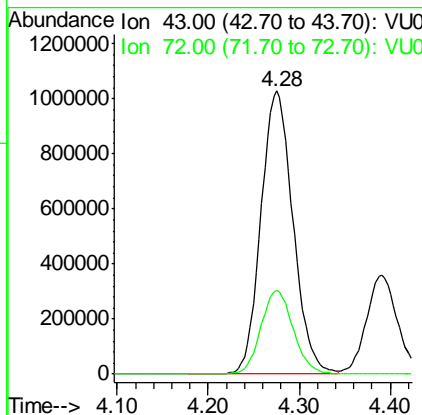
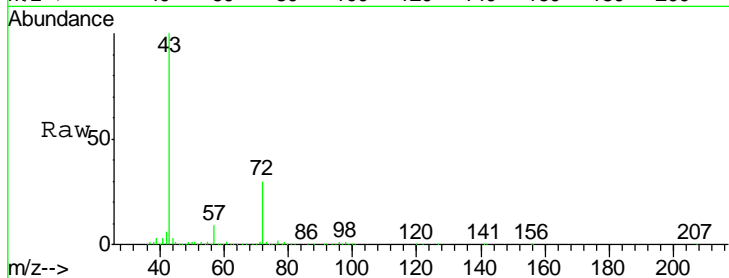
#25
 2-Butanone
 Concen: 265.05 ug/l
 RT: 4.28 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
43	100		
72	29.7	23.7	35.5

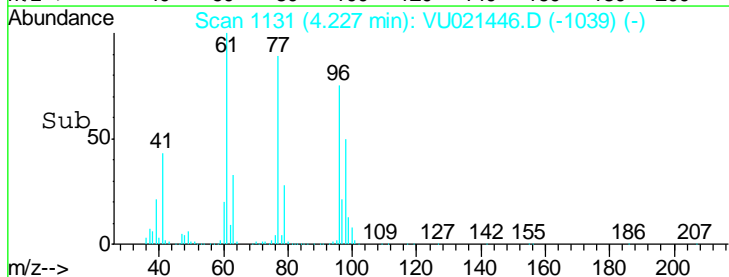
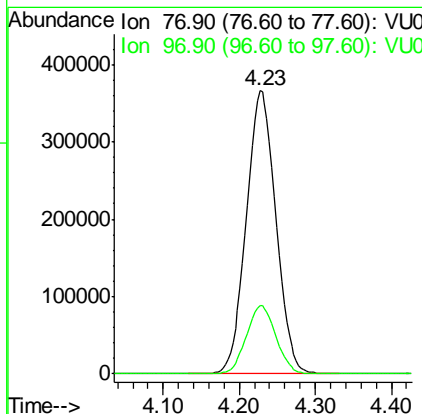
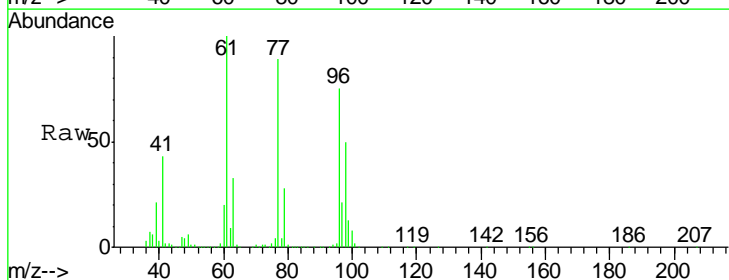
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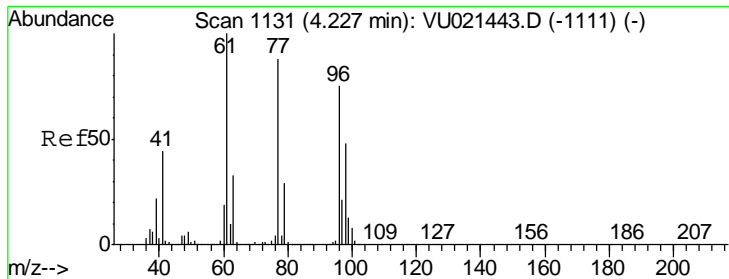
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#26
 2,2-Dichloropropane
 Concen: 50.00 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.1	12.0	36.1





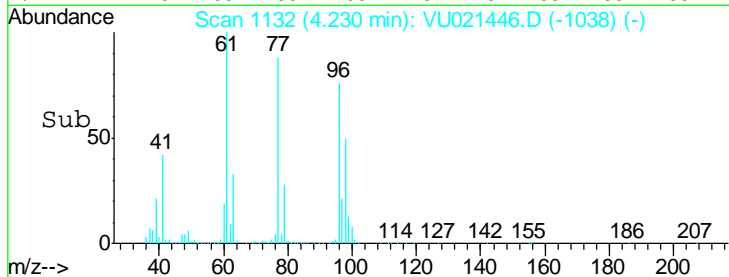
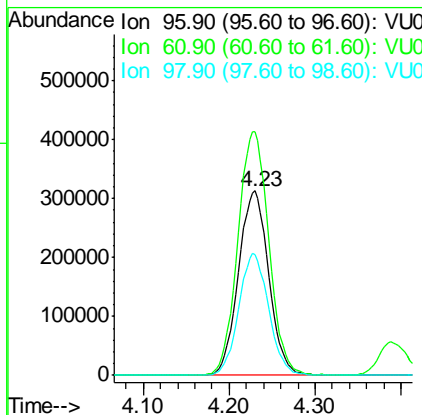
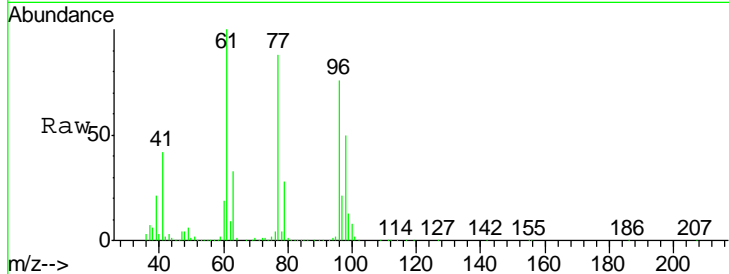
#27
 cis-1,2-Dichloroethene
 Concen: 49.88 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
96	766420		
61	134.6	0.0	270.2
98	65.4	0.0	128.2

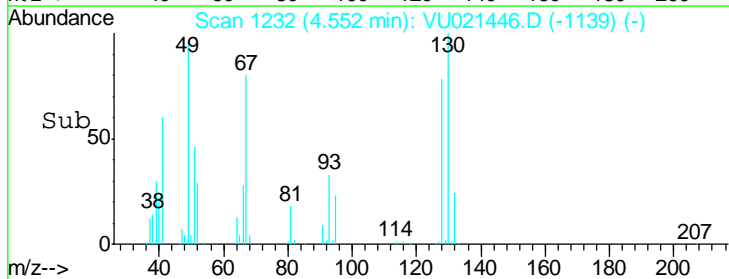
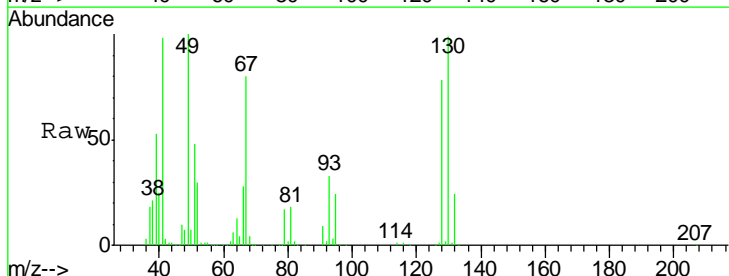
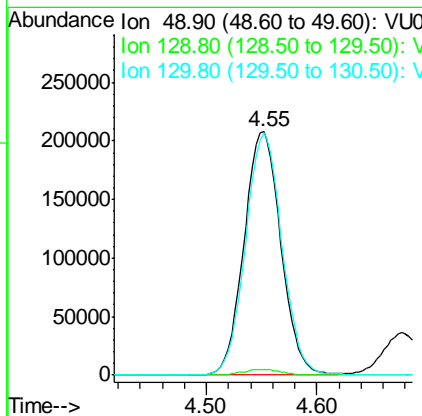
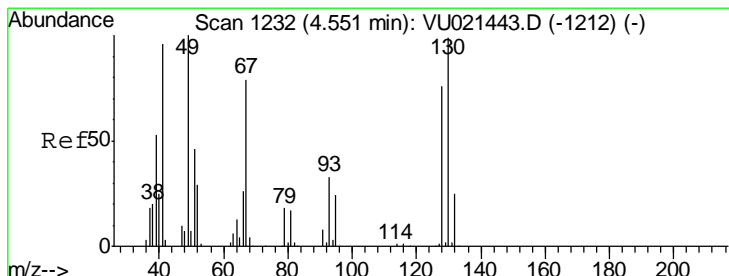
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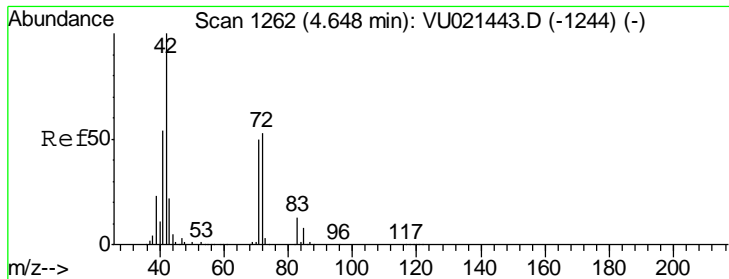
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#28
 Bromochloromethane
 Concen: 49.84 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
49	480305		
129	2.5	0.0	4.8
130	98.8	79.1	118.7





#29
 Tetrahydrofuran
 Concen: 257.34 ug/l
 RT: 4.65 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

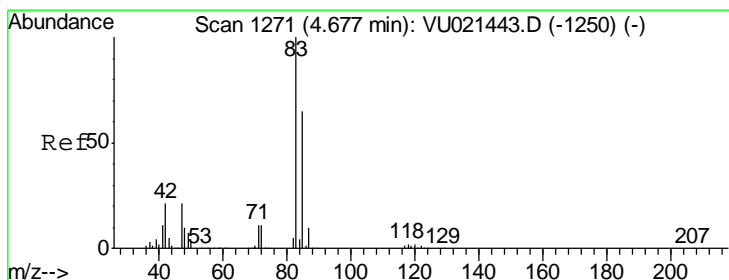
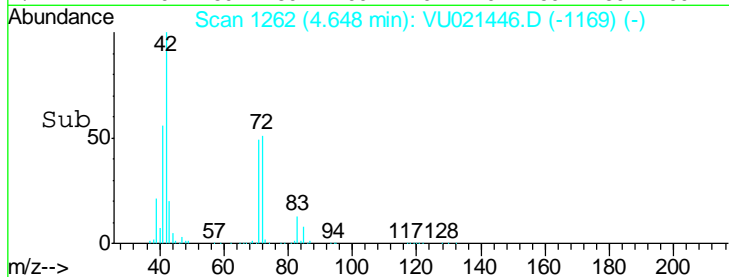
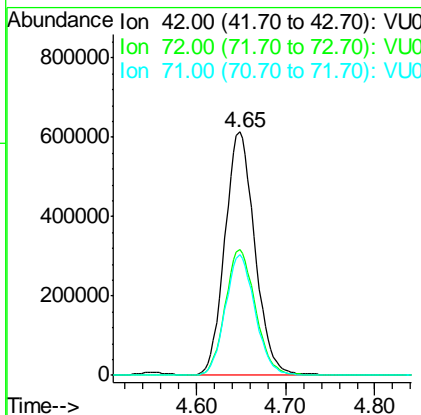
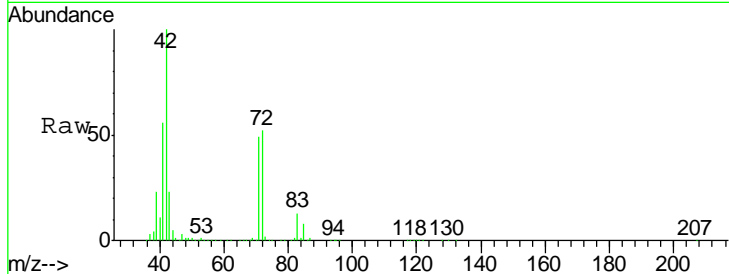
Instrument : MSVOA_U
 ClientSampled : ICVVU010318

Tgt Ion: 42 Resp: 1420664

Ion	Ratio	Lower	Upper
42	100		
72	52.4	42.0	63.0
71	49.6	39.4	59.2

Manual Integrations
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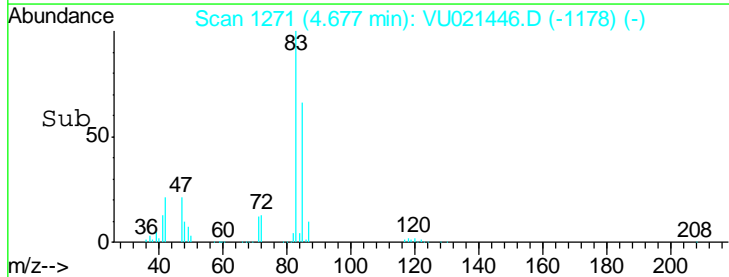
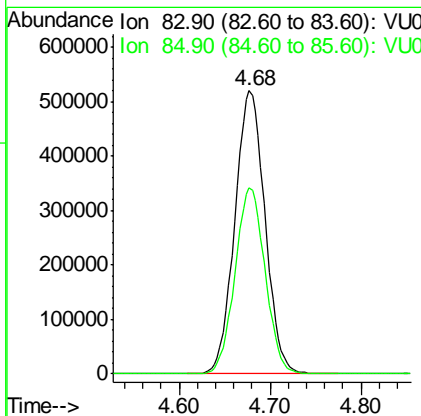
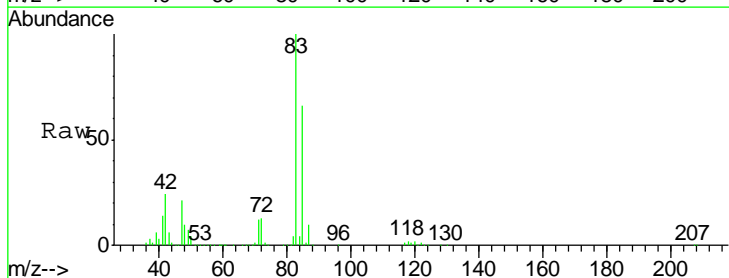
1/4/2018 11:18:57 AM

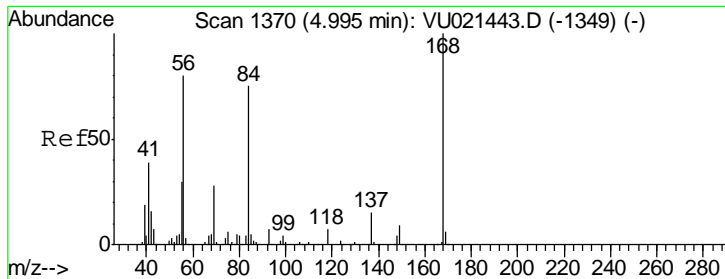


#30
 Chloroform
 Concen: 50.38 ug/l
 RT: 4.68 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion: 83 Resp: 1197706

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.1	78.1





#31
 Cyclohexane
 Concen: 51.28 ug/l
 RT: 5.00 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

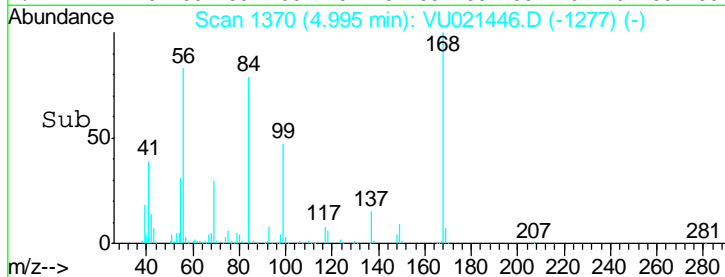
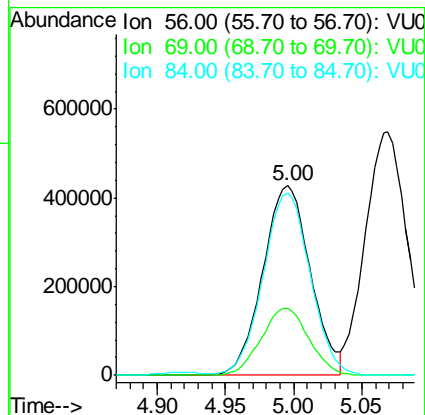
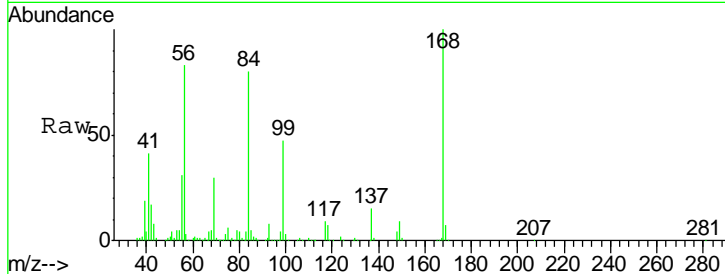
Instrument : MSVOA_U
 ClientSampled : ICVVU010318

Tgt Ion: 56 Resp: 1036430

Ion	Ratio	Lower	Upper
56	100		
69	35.5	28.3	42.5
84	95.0	75.6	113.4

Manual Integrations
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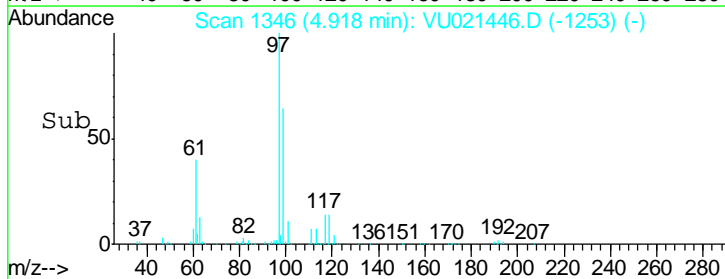
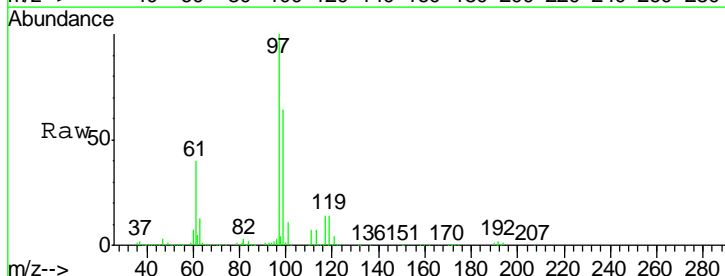
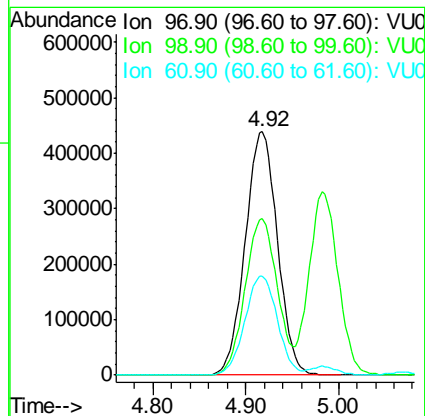
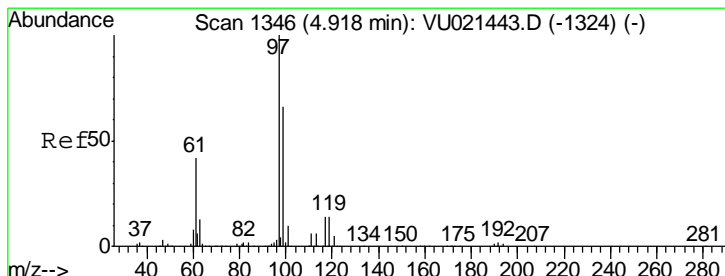
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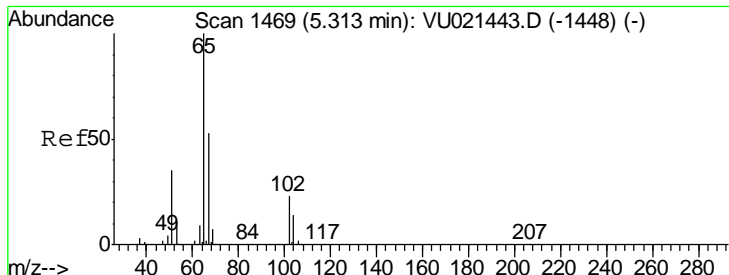


#32
 1,1,1-Trichloroethane
 Concen: 50.67 ug/l
 RT: 4.92 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion: 97 Resp: 1057106

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	41.2	33.1	49.7





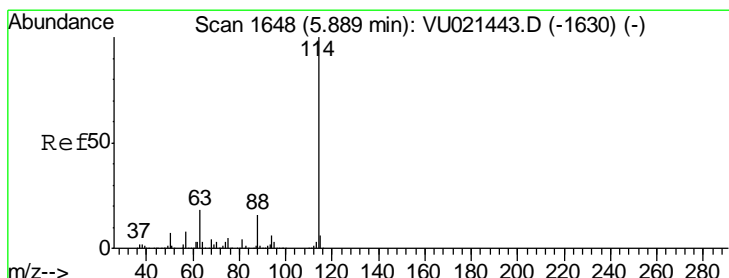
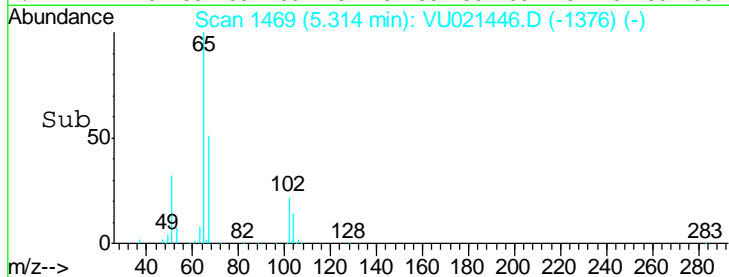
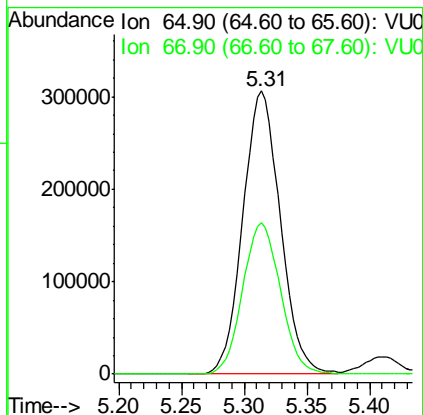
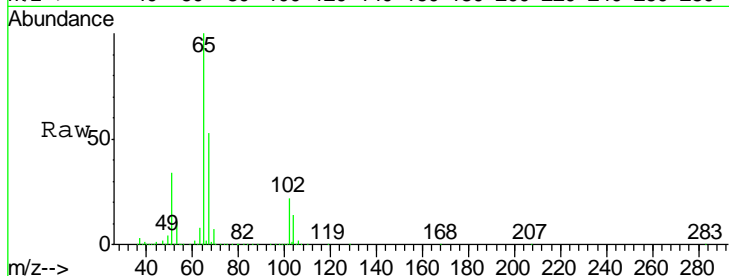
#33
 1,2-Dichloroethane-d4
 Concen: 50.80 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 ClientSampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.6	0.0	106.6

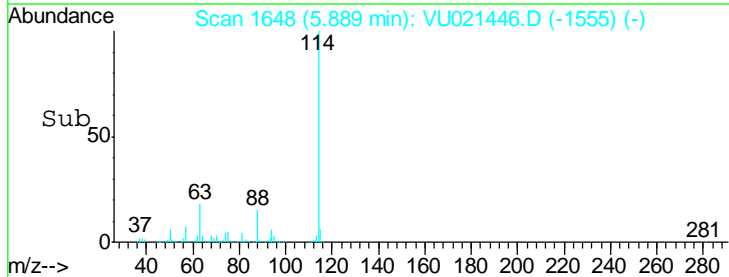
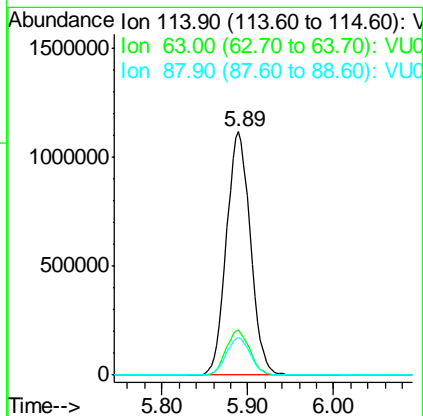
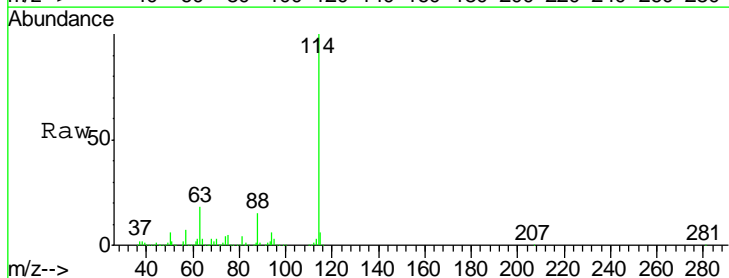
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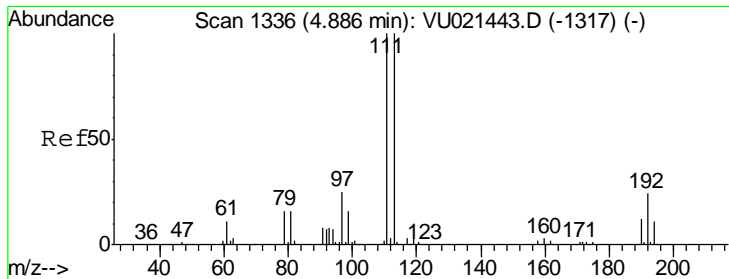
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

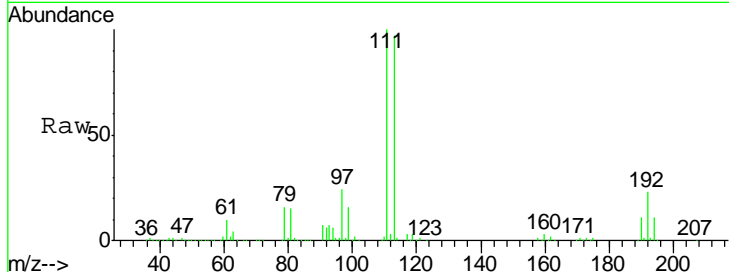
Tgt Ion	Resp	Lower	Upper
114	100		
63	18.4	0.0	36.6
88	15.4	0.0	31.2





#35
 Dibromofluoromethane
 Concen: 49.57 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

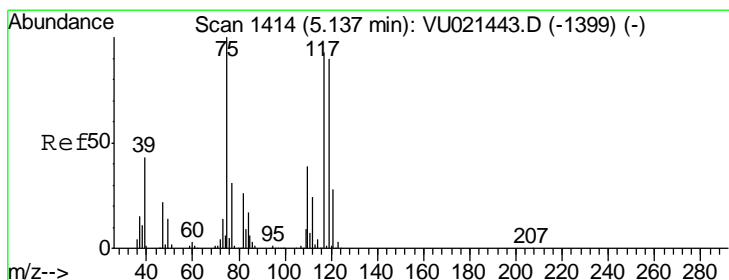
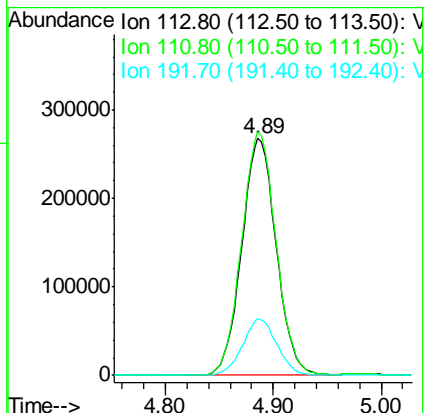
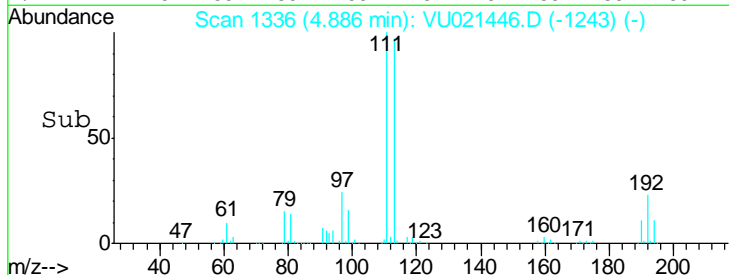
Instrument : MSVOA_U
 Client Sampled : ICVVU010318



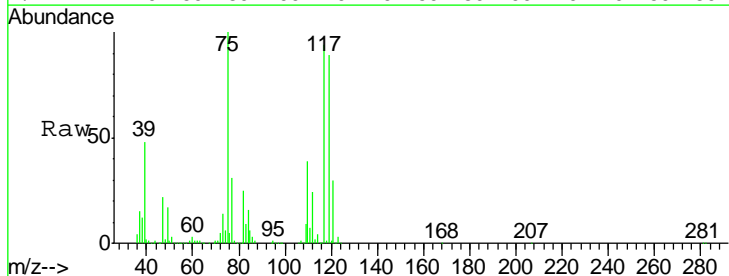
Tgt Ion: 113 Resp: 593576

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.2
192	23.9	19.0	28.4

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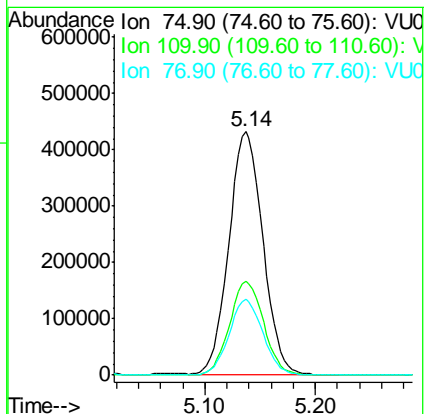
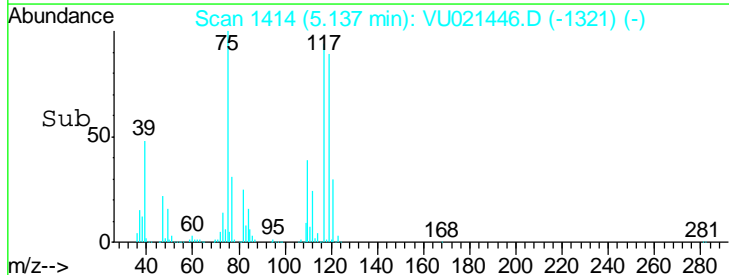


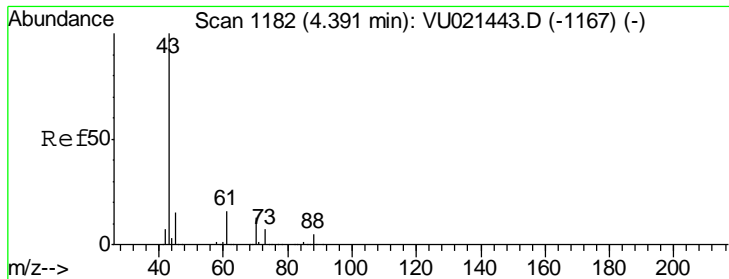
#36
 1,1-Dichloropropene
 Concen: 49.81 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35



Tgt Ion: 75 Resp: 921181

Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.3	57.9
77	31.0	24.9	37.3





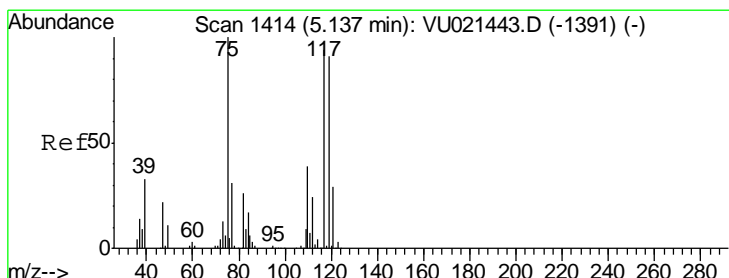
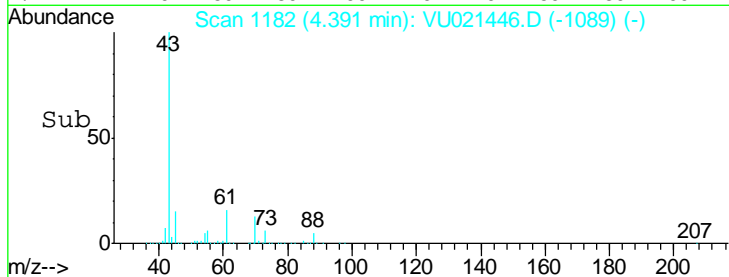
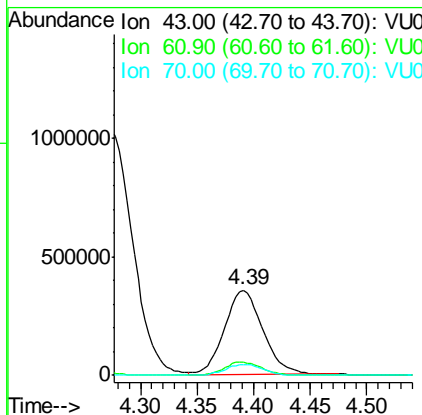
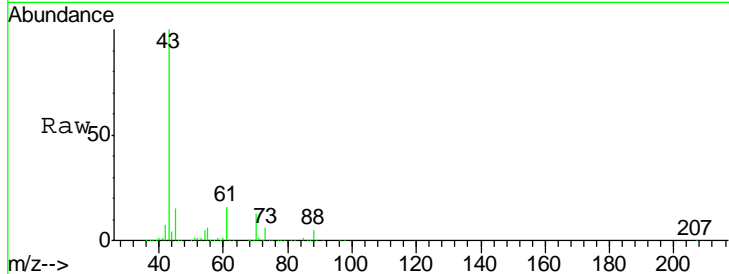
#37
 Ethyl Acetate
 Concen: 51.69 ug/l
 RT: 4.39 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
43	100		
61	15.4	12.2	18.2
70	12.8	10.2	15.4

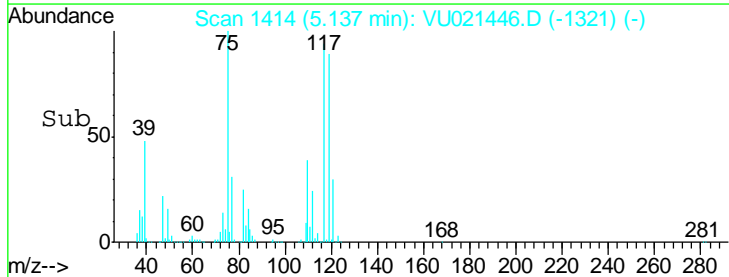
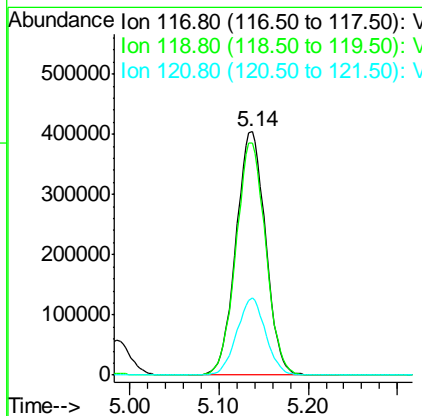
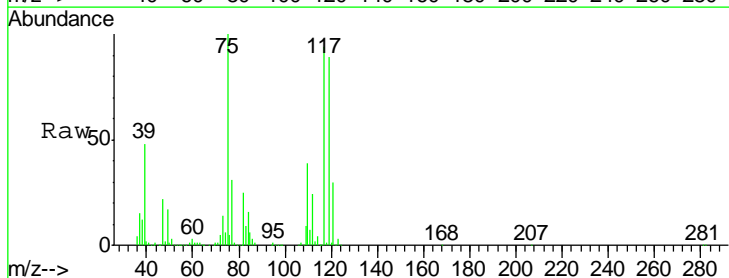
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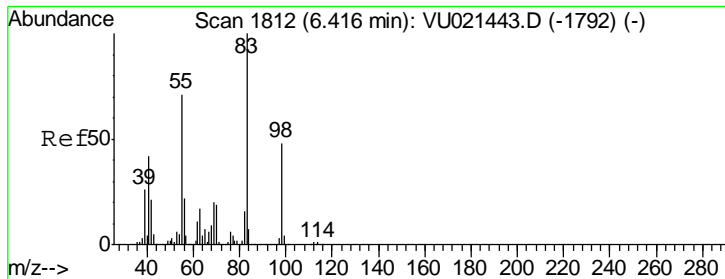
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#38
 Carbon Tetrachloride
 Concen: 51.15 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

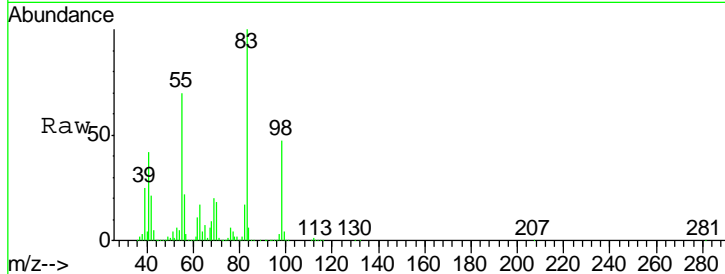
Tgt Ion	Resp	Lower	Upper
117	100		
119	95.4	77.1	115.7
121	31.6	24.4	36.6





#39
 Methylcyclohexane
 Concen: 50.05 ug/l
 RT: 6.42 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

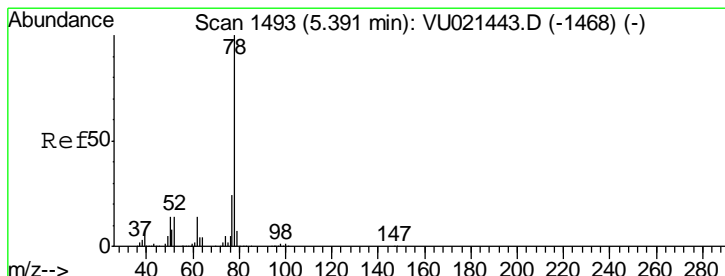
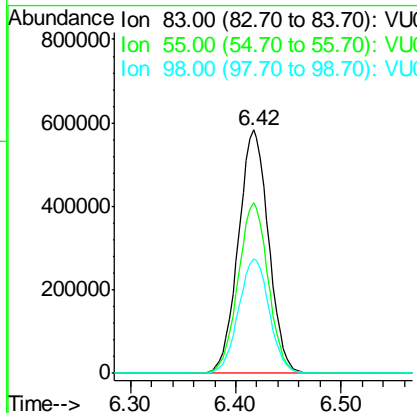
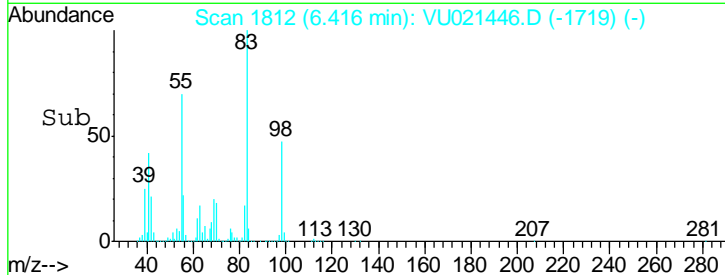
Instrument : MSVOA_U
 ClientSampled : ICVVU010318



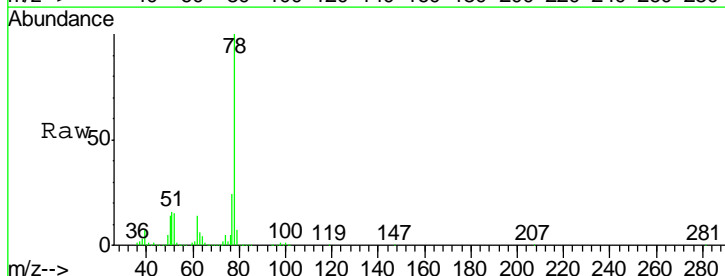
Tgt Ion: 83 Resp: 1156329

Ion	Ratio	Lower	Upper
83	100		
55	70.1	56.8	85.2
98	47.1	38.1	57.1

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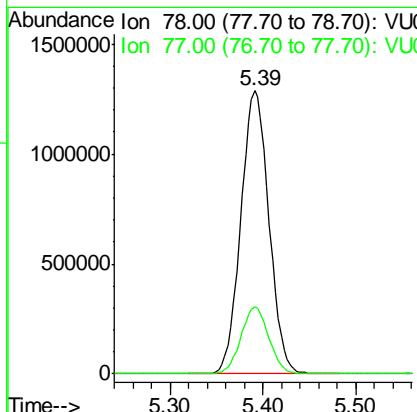
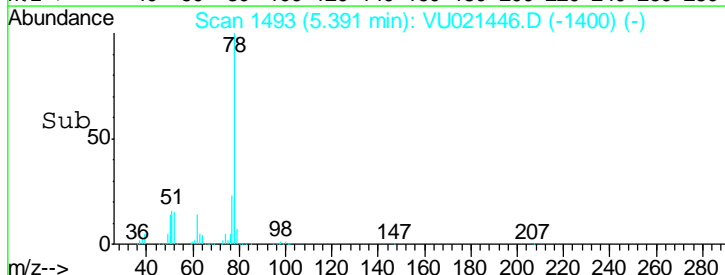


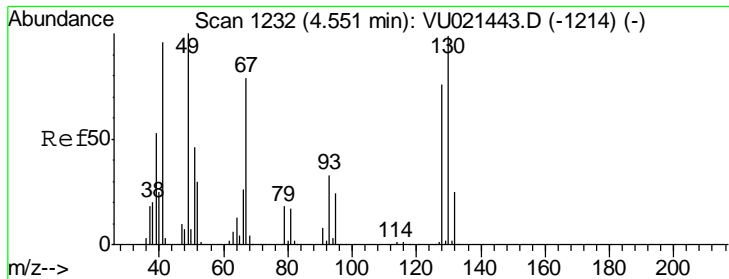
#40
 Benzene
 Concen: 49.86 ug/l
 RT: 5.39 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35



Tgt Ion: 78 Resp: 2701632

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





#41
 Methacrylonitrile
 Concen: 53.06 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

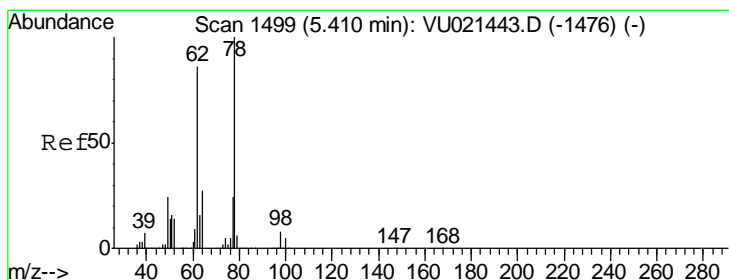
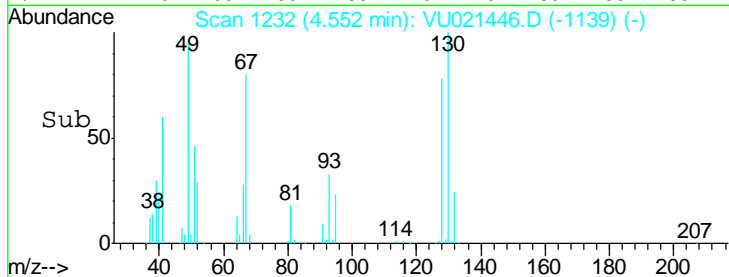
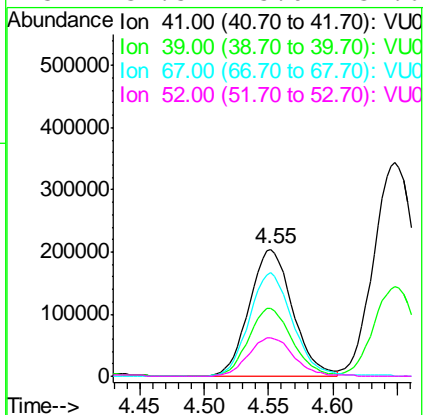
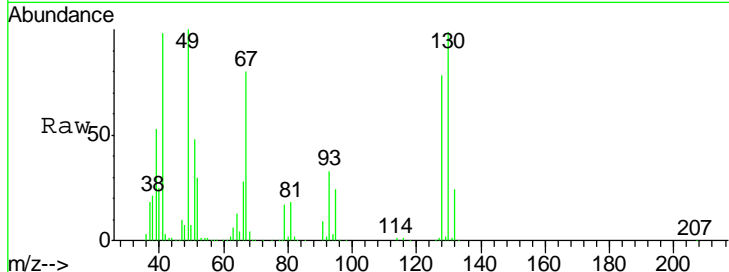
Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion: 41 Resp: 476463

Ion	Ratio	Lower	Upper
41	100		
39	53.8	44.3	66.5
67	82.5	67.2	100.8
52	31.5	25.0	37.6

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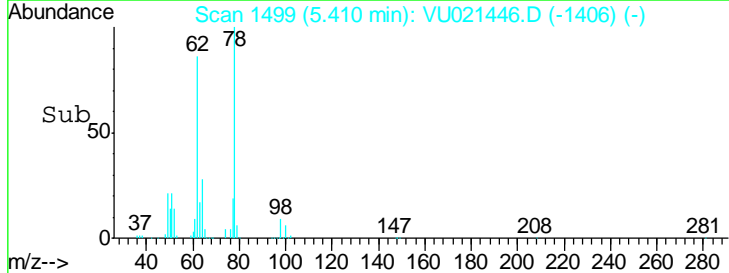
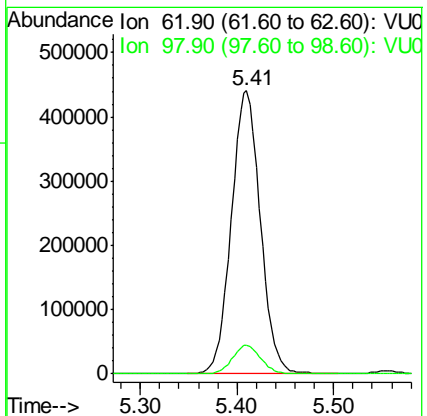
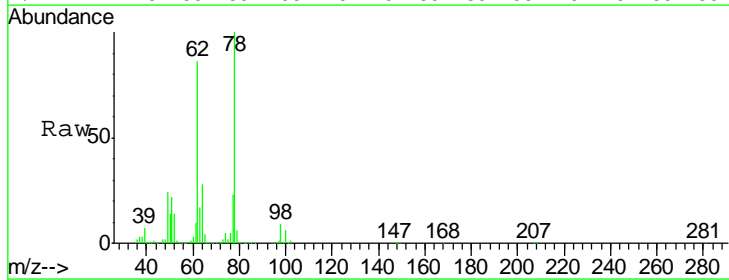
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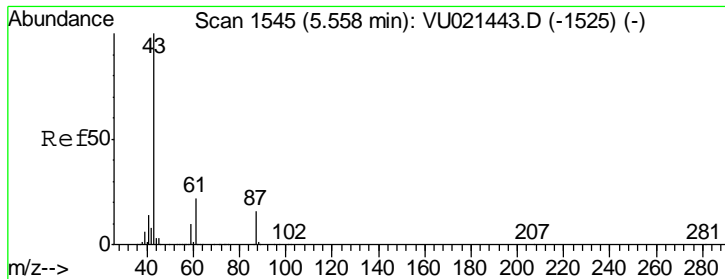


#42
 1,2-Dichloroethane
 Concen: 49.59 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion: 62 Resp: 915769

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6





#43
 Isopropyl Acetate
 Concen: 51.31 ug/l
 RT: 5.55 min Scan# 1544
 Delta R.T. -0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

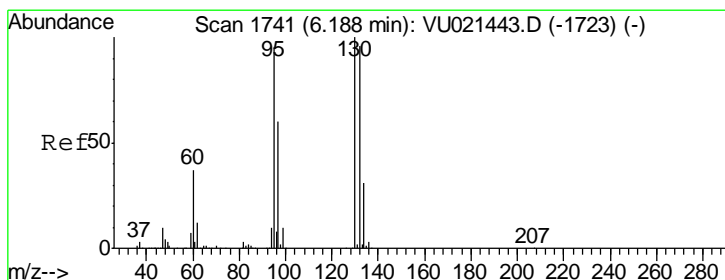
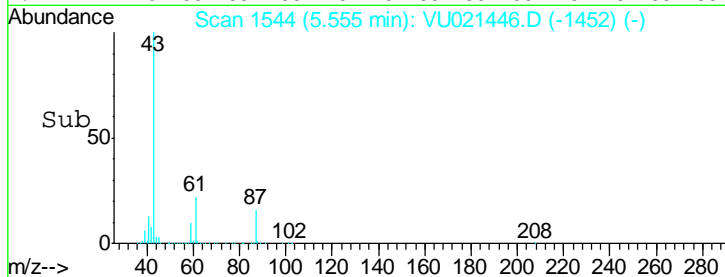
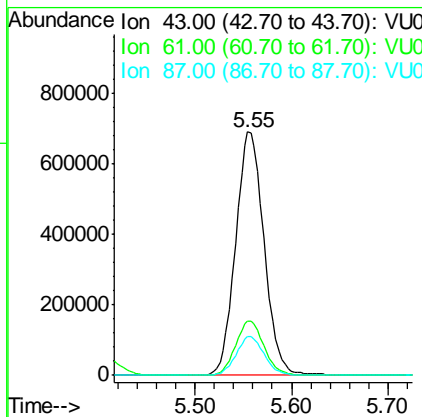
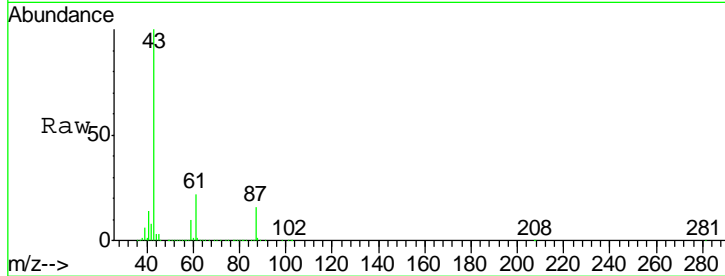
Instrument : MSVOA_U
 ClientSampled : ICVVU010318

Tgt Ion: 43 Resp: 1404278

Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.8	26.6
87	15.8	12.8	19.2

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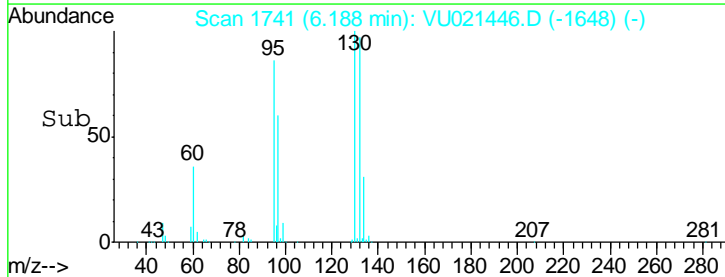
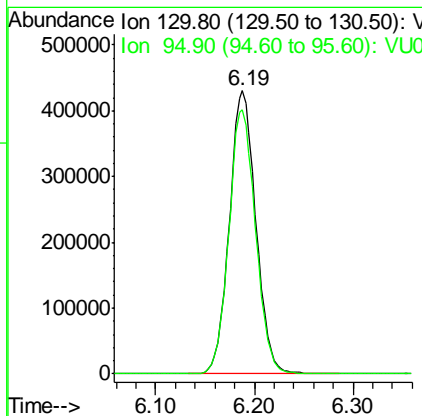
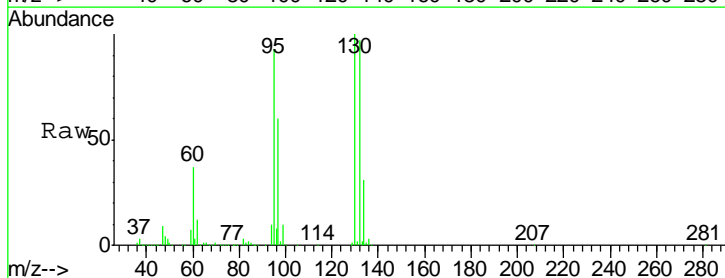
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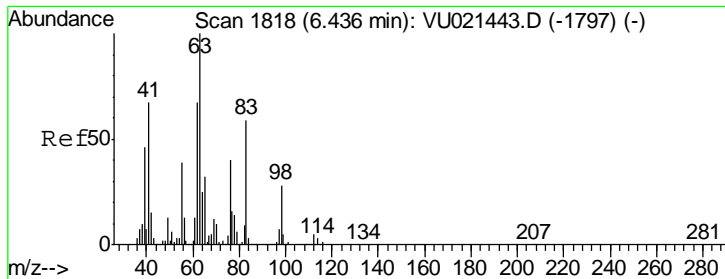


#44
 Trichloroethene
 Concen: 49.19 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion: 130 Resp: 806828

Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	189.6





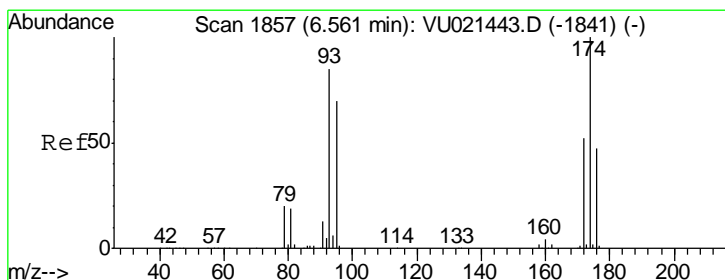
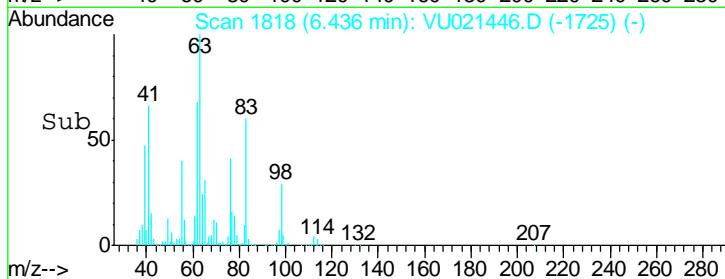
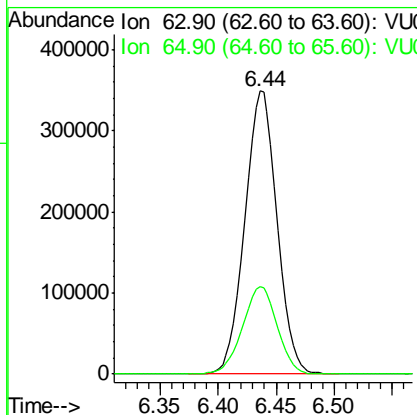
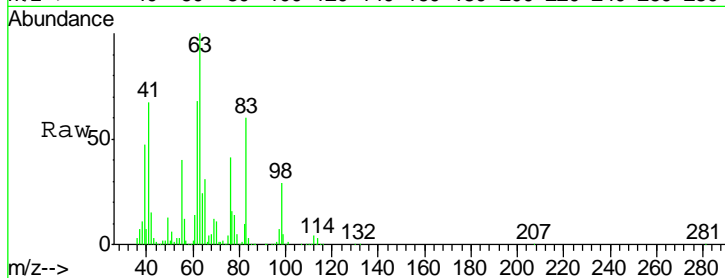
#45
 1,2-Dichloropropane
 Concen: 49.20 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 ClientSampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.1	25.8	38.6

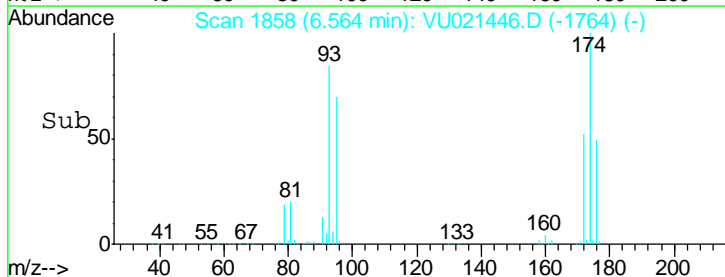
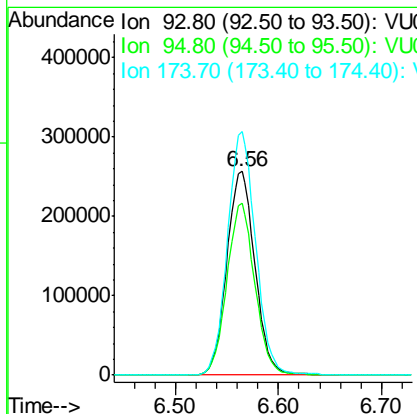
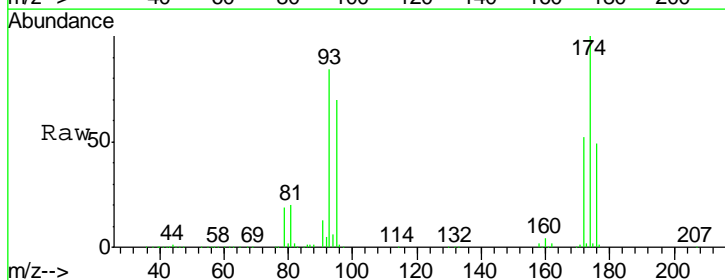
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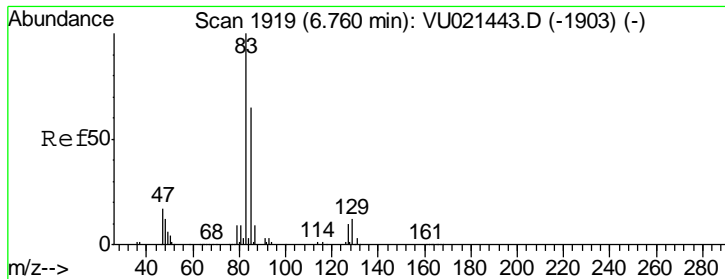
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#46
 Dibromomethane
 Concen: 50.97 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

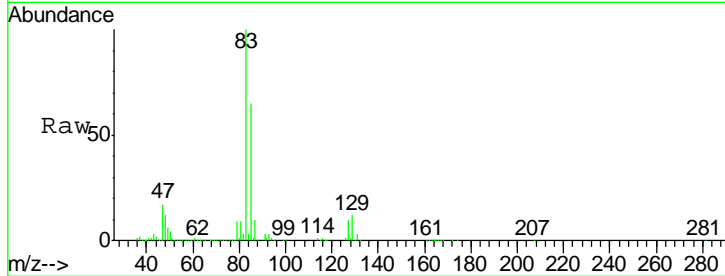
Tgt Ion	Resp	Lower	Upper
93	100		
95	83.6	66.8	100.2
174	119.4	95.6	143.4





#47
 Bromodichloromethane
 Concen: 51.34 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 ClientSampled : ICVVU010318

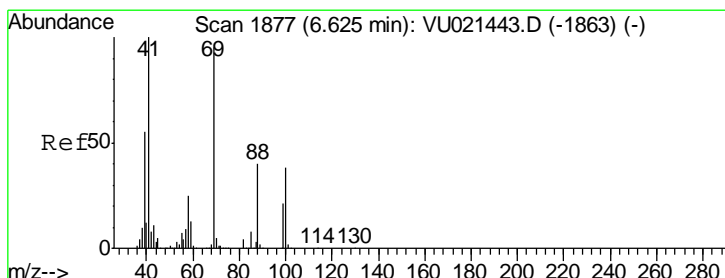
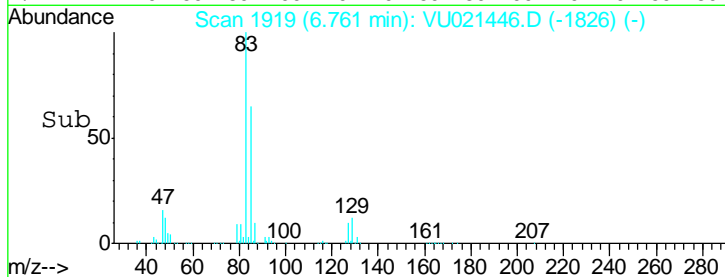
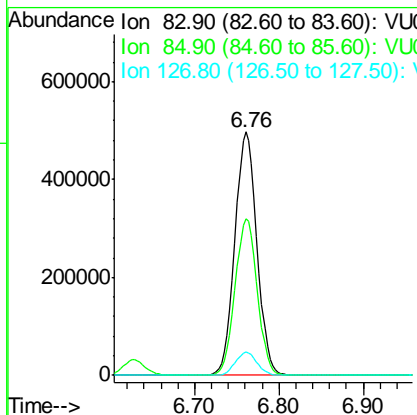


Tgt Ion: 83 Resp: 903989

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.9	77.9
127	9.6	7.7	11.5

Manual Integrations
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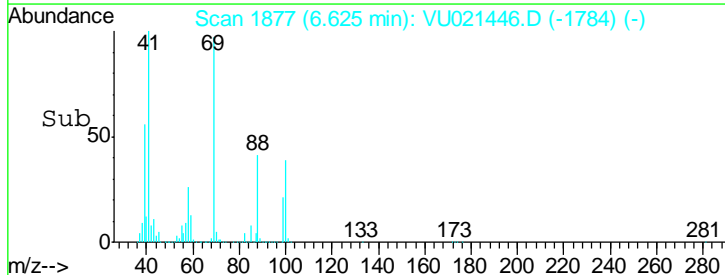
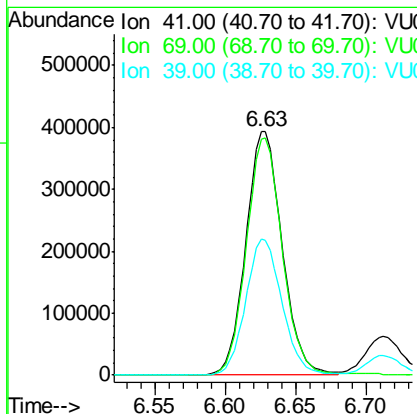
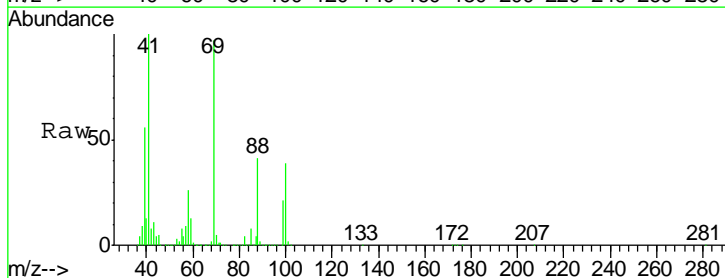
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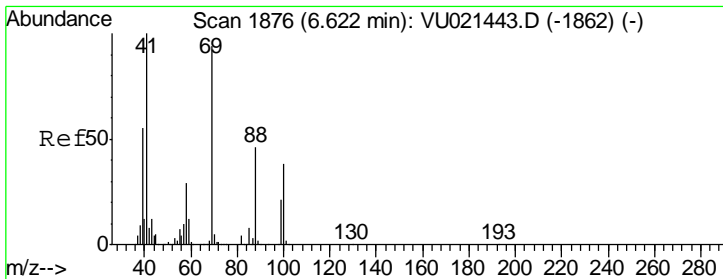


#48
 Methyl methacrylate
 Concen: 51.89 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion: 41 Resp: 705096

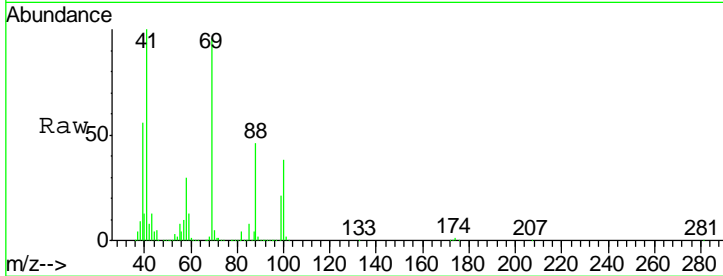
Ion	Ratio	Lower	Upper
41	100		
69	97.6	76.5	114.7
39	55.9	44.4	66.6





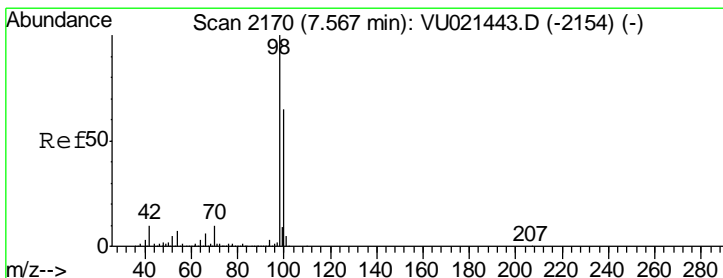
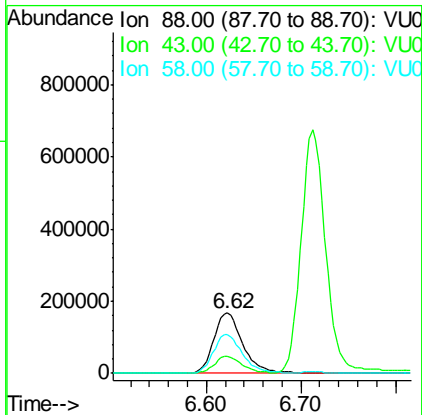
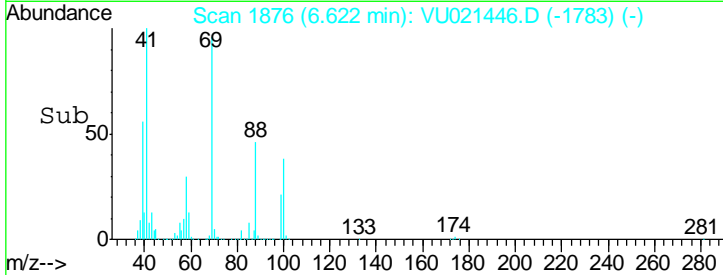
#49
 1,4-Dioxane
 Concen: 1035.13 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

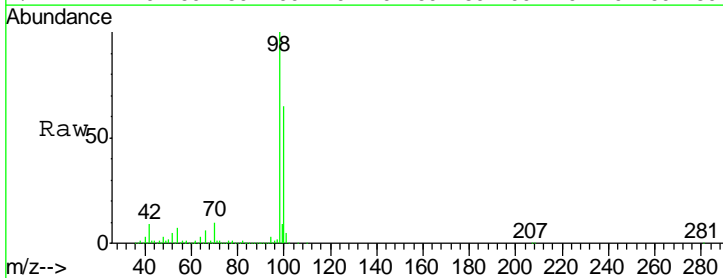


Tgt Ion	Resp	Lower	Upper
88	350893		
88	100		
43	27.2	21.9	32.9
58	65.7	51.9	77.9

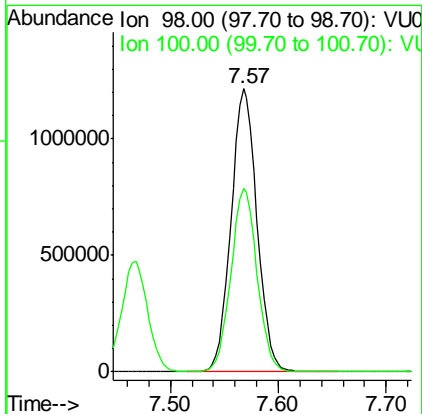
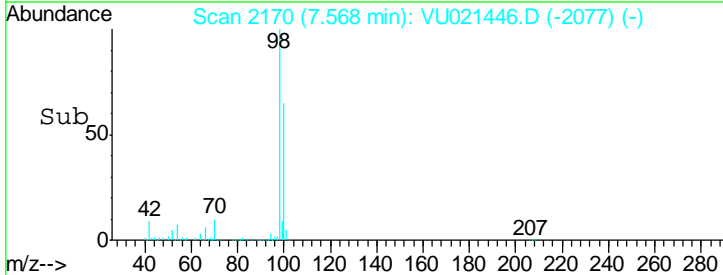
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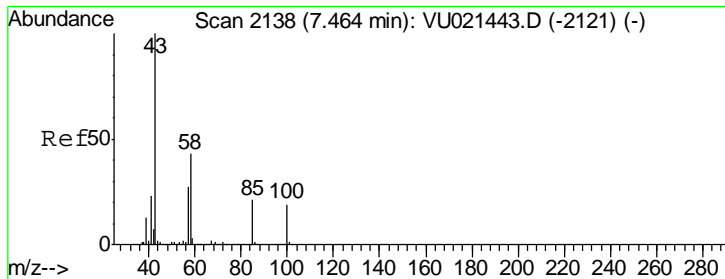


#50
 Toluene-d8
 Concen: 53.53 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35



Tgt Ion	Resp	Lower	Upper
98	2043023		
98	100		
100	64.7	51.8	77.8





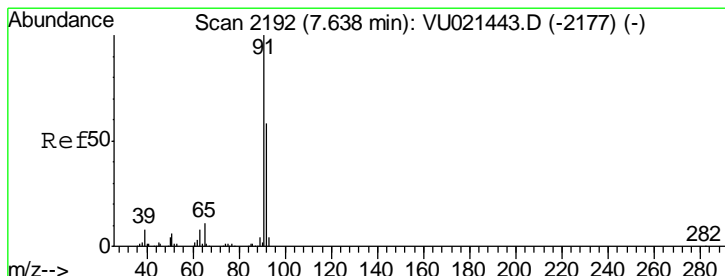
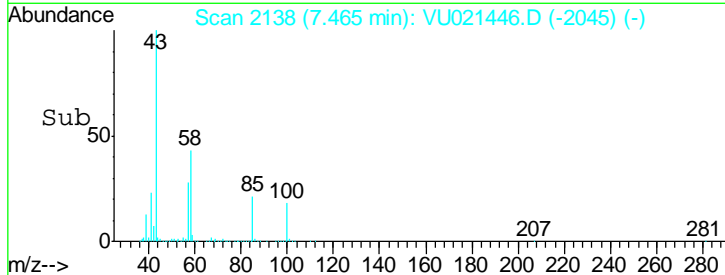
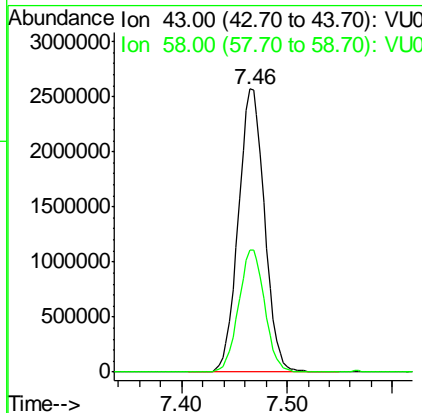
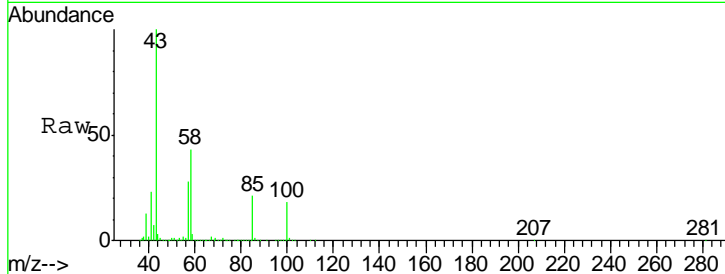
#51
 4-Methyl-2-Pentanone
 Concen: 263.17 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
43	100		
58	43.1	34.4	51.6

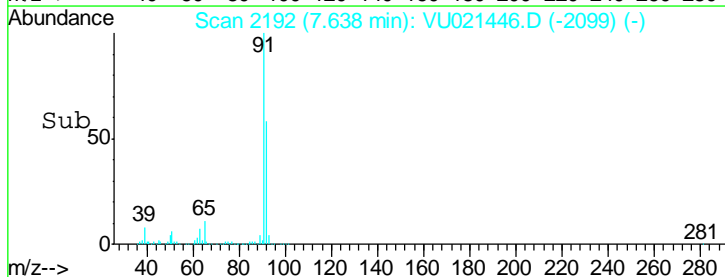
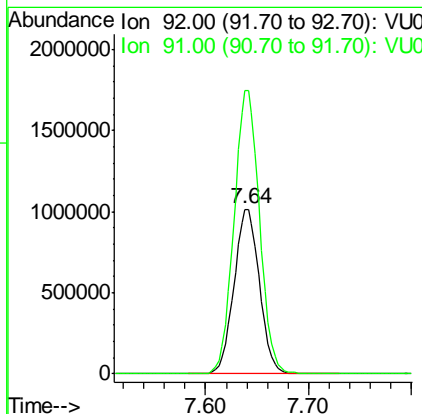
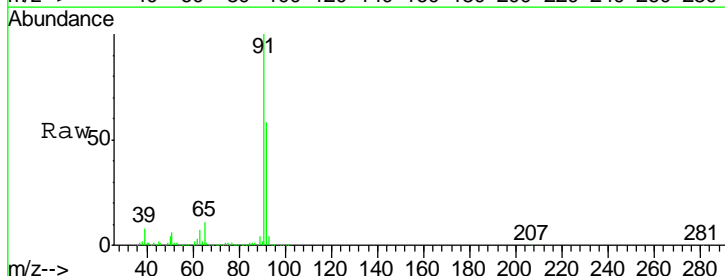
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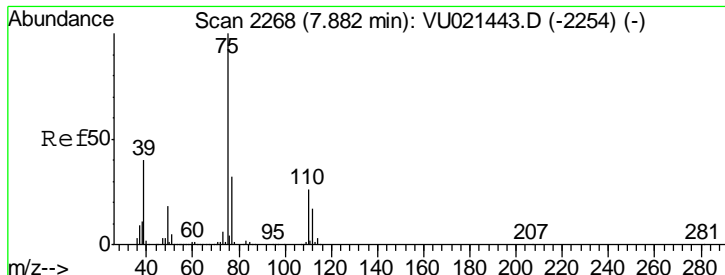
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#52
 Toluene
 Concen: 50.16 ug/l
 RT: 7.64 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
92	100		
91	172.2	138.3	207.5





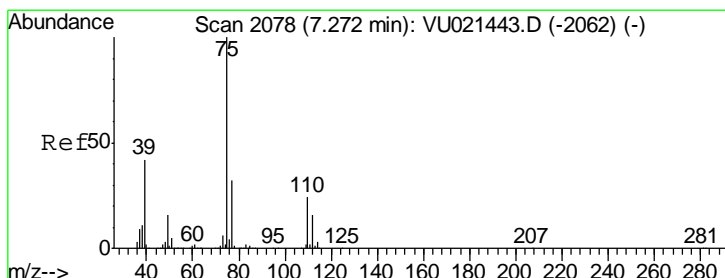
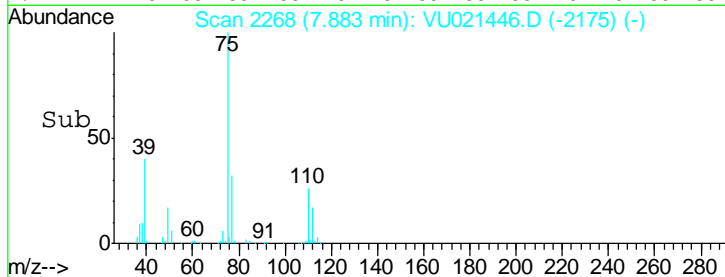
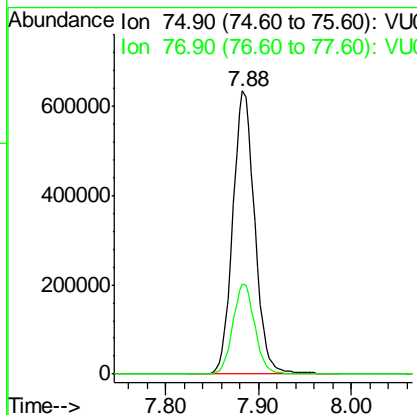
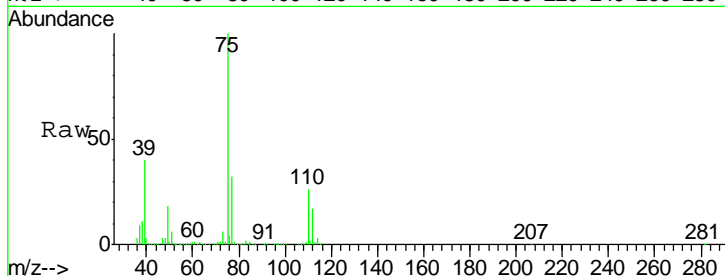
#53
 t-1,3-Dichloropropene
 Concen: 52.90 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
75	1040549		
77	31.7	25.6	38.4

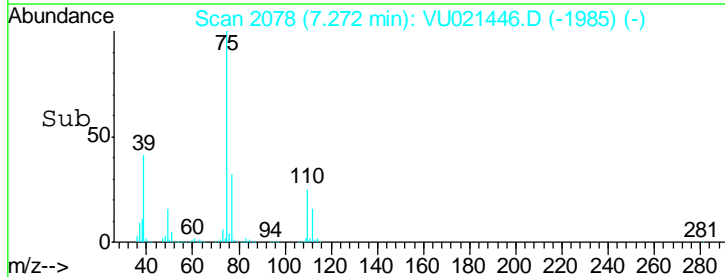
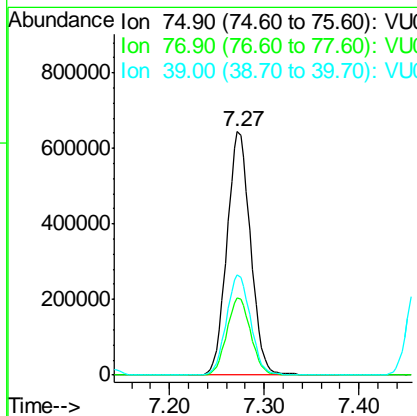
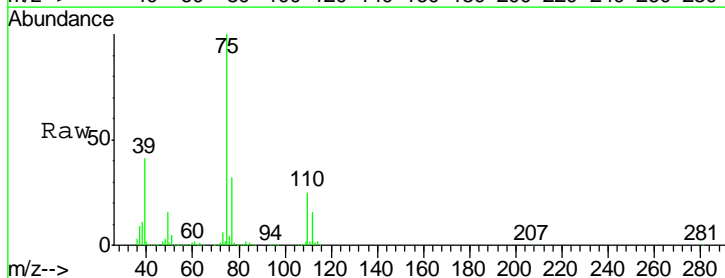
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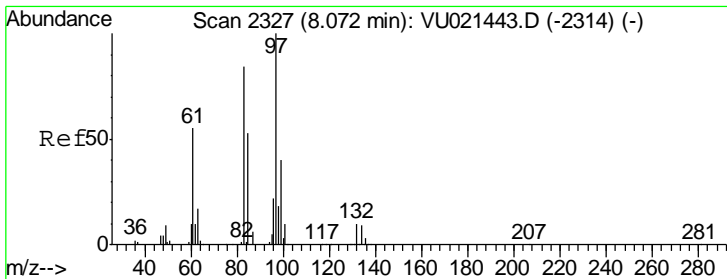
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#54
 cis-1,3-Dichloropropene
 Concen: 52.35 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

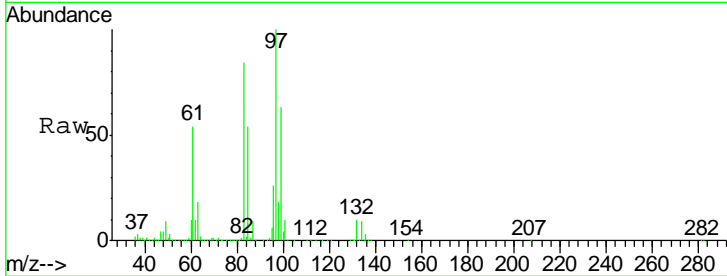
Tgt Ion	Resp	Lower	Upper
75	1116849		
77	31.6	25.5	38.3
39	41.1	33.8	50.6





#55
 1,1,2-Trichloroethane
 Concen: 50.30 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

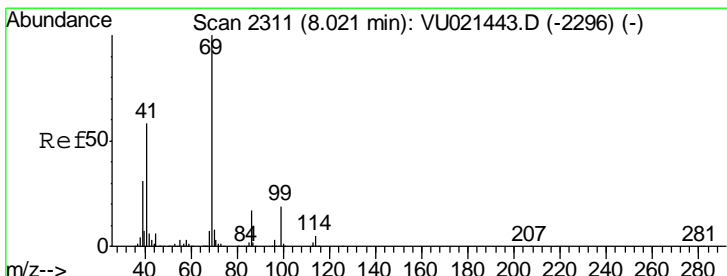
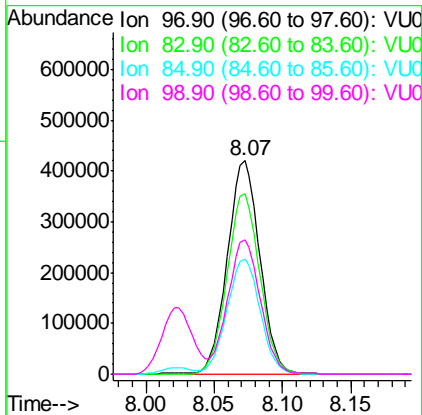
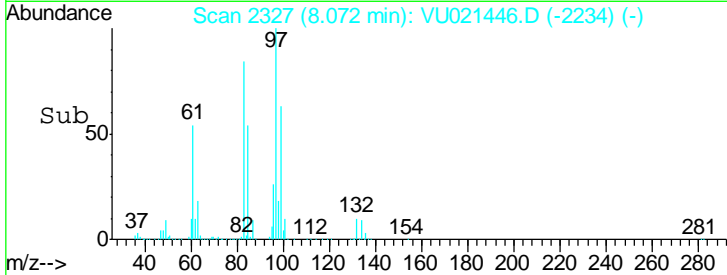
Instrument : MSVOA_U
 ClientSampled : ICVVU010318



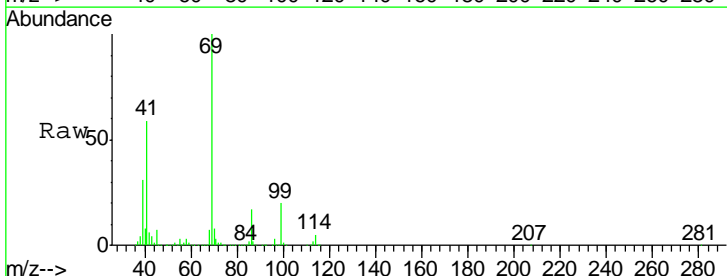
Tgt Ion: 97 Resp: 693161

Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.1	100.7
85	53.8	43.6	65.4
99	63.1	50.1	75.1

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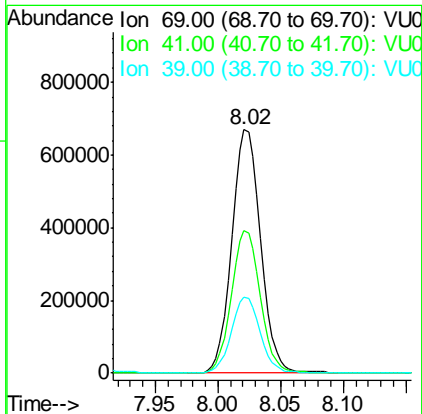
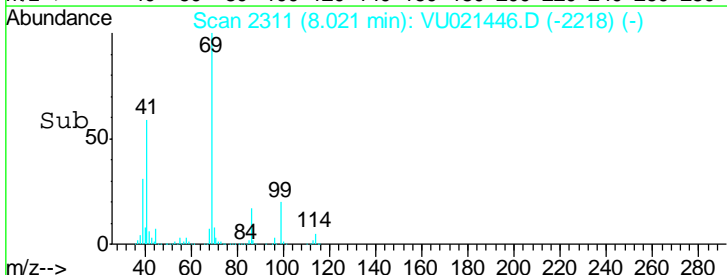


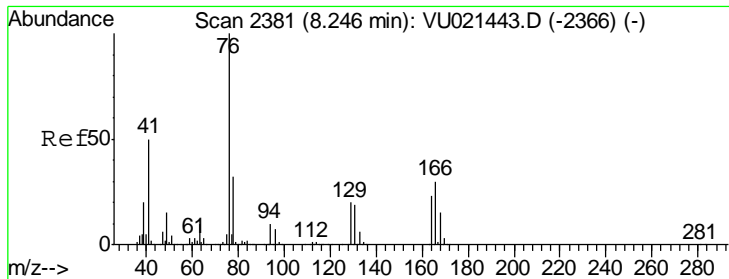
#56
 Ethyl methacrylate
 Concen: 51.69 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35



Tgt Ion: 69 Resp: 1070757

Ion	Ratio	Lower	Upper
69	100		
41	58.3	46.4	69.6
39	30.8	24.7	37.1





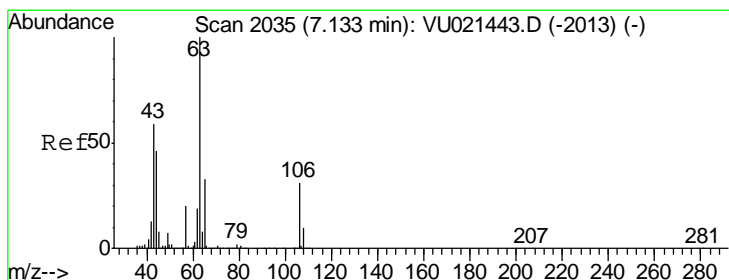
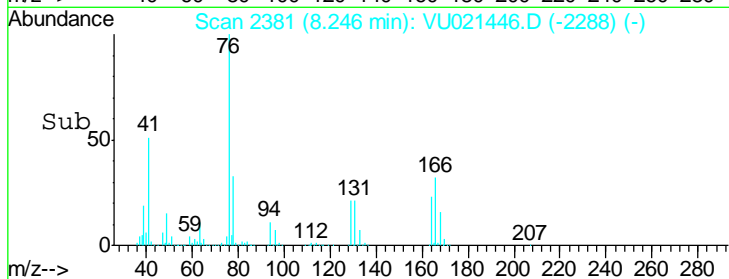
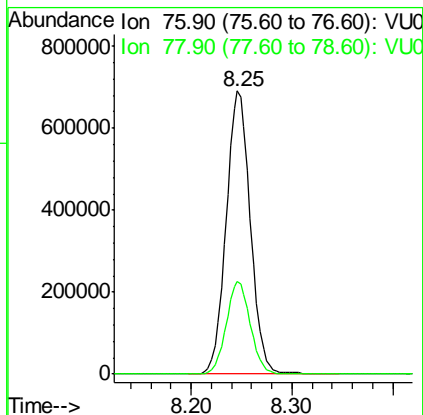
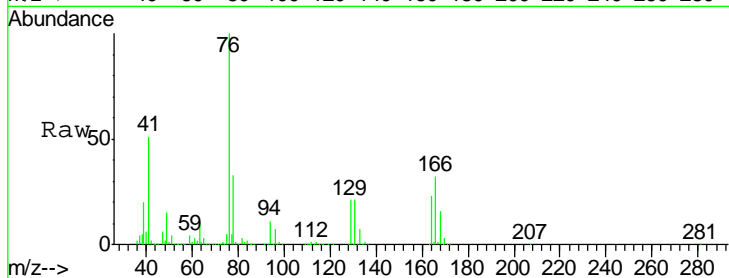
#57
 1,3-Dichloropropane
 Concen: 50.75 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 ClientSampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
76	1157695		
76	100		
78	32.4	25.6	38.4

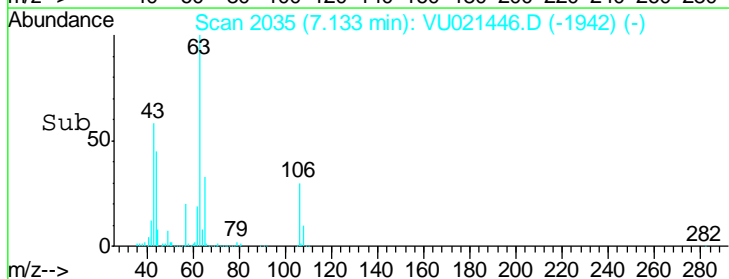
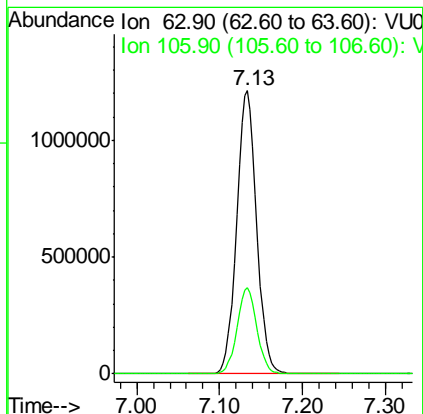
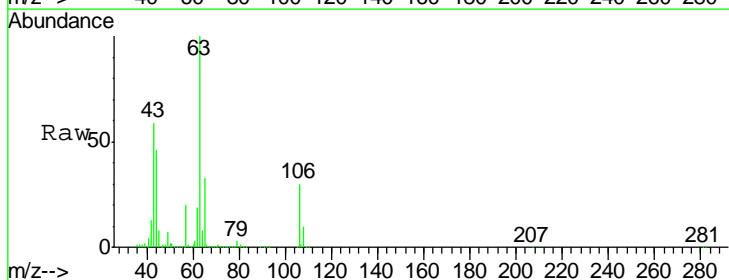
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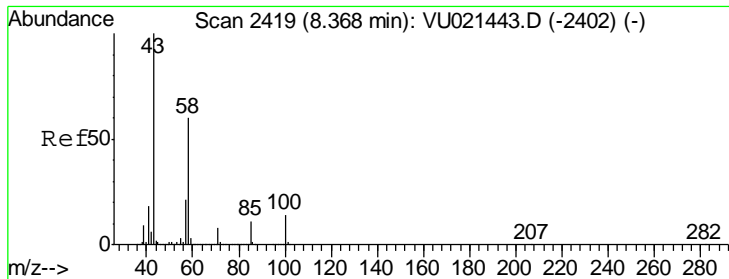
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#58
 2-Chloroethyl Vinyl ether
 Concen: 264.27 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
63	2046752		
63	100		
106	30.2	24.6	36.8





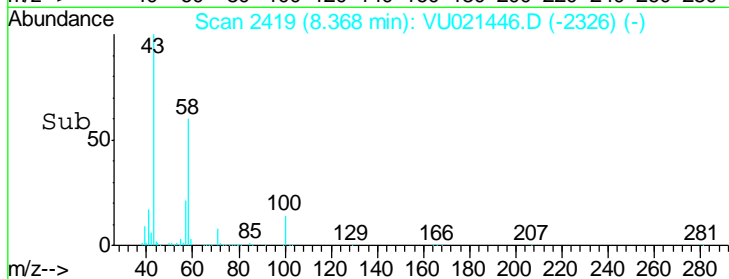
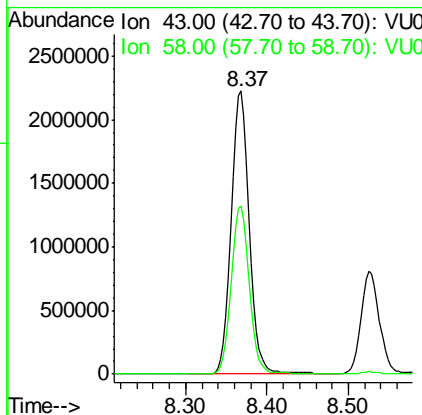
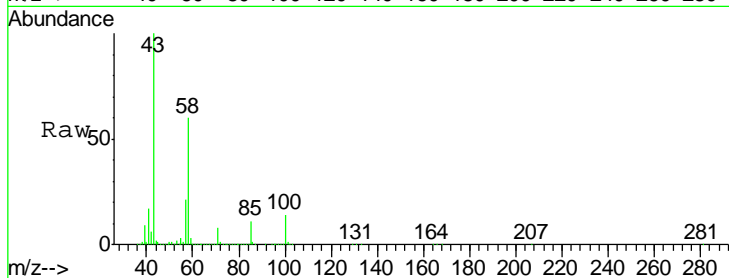
#59
 2-Hexanone
 Concen: 266.30 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 ClientSampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
43	100		
58	59.8	29.8	89.4

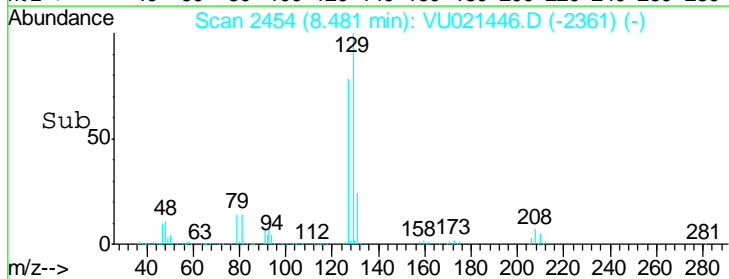
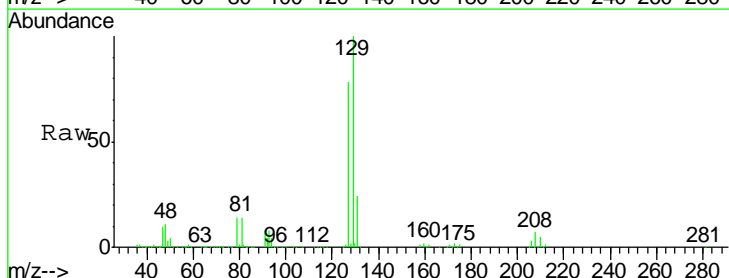
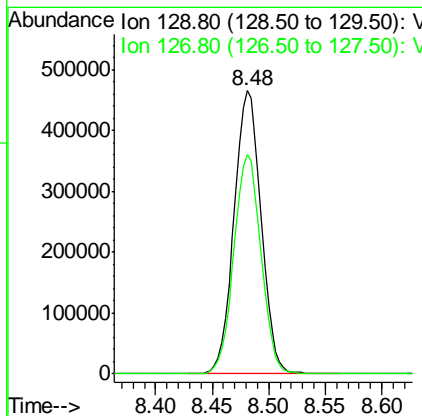
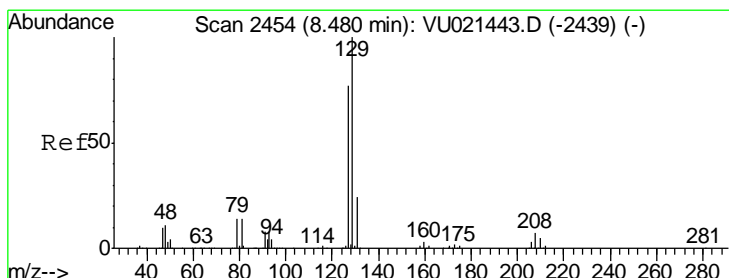
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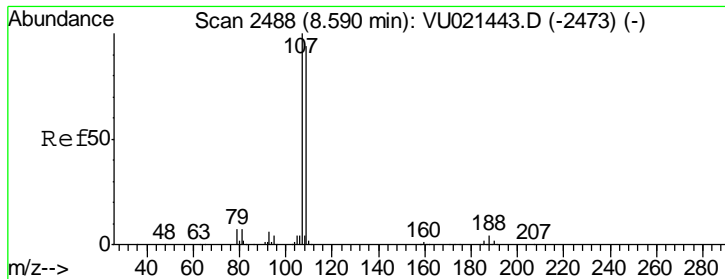
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#60
 Dibromochloromethane
 Concen: 53.42 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

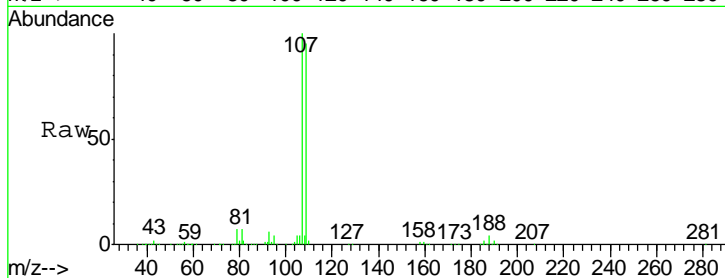
Tgt Ion	Resp	Lower	Upper
129	100		
127	77.5	38.2	114.6





#61
 1,2-Dibromoethane
 Concen: 51.20 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

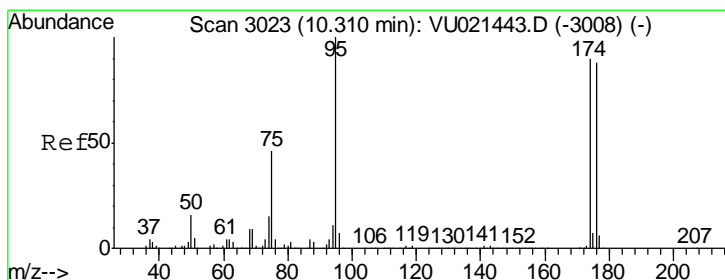
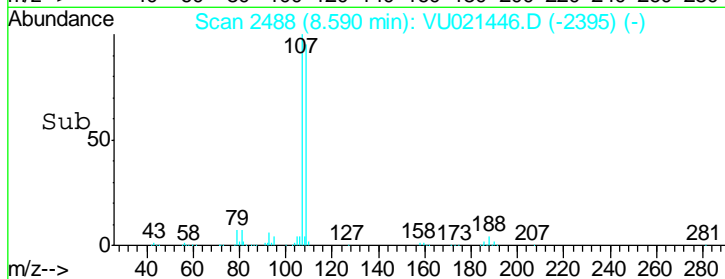
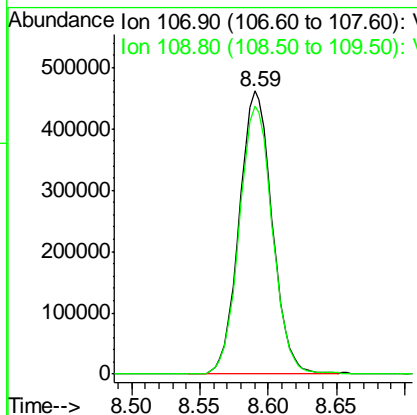


Tgt Ion: 107 Resp: 774993

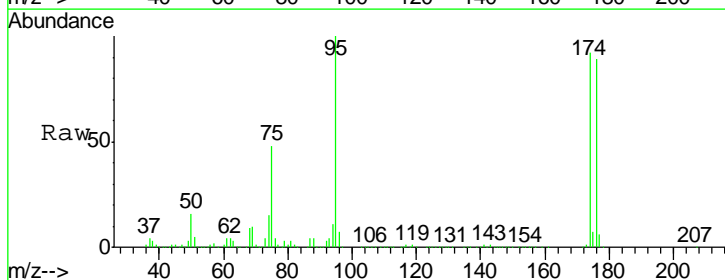
Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.7	112.1

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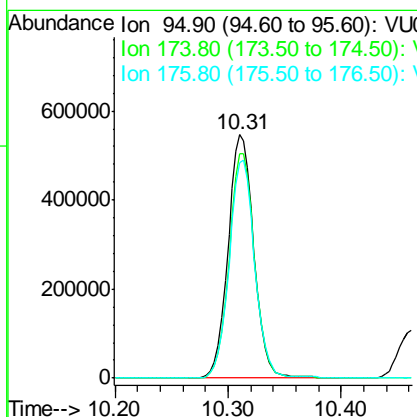
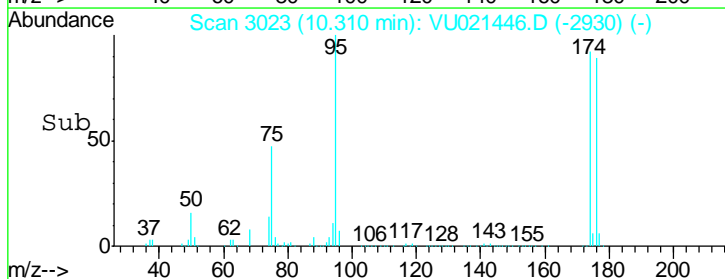


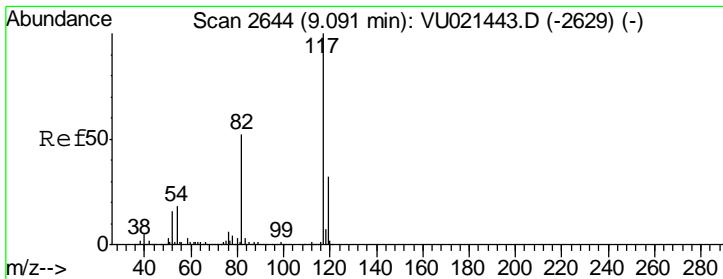
#62
 4-Bromofluorobenzene
 Concen: 48.45 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35



Tgt Ion: 95 Resp: 861670

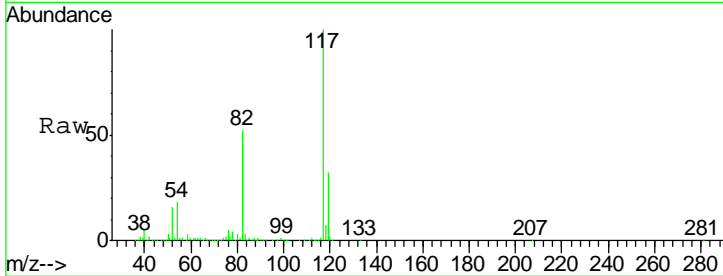
Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	182.6
176	89.1	0.0	178.8





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

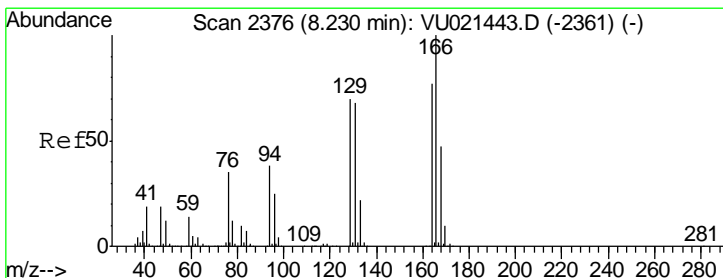
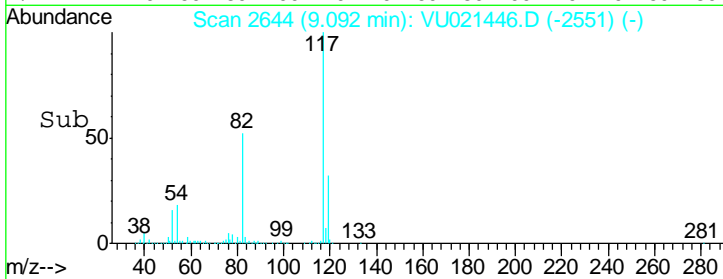
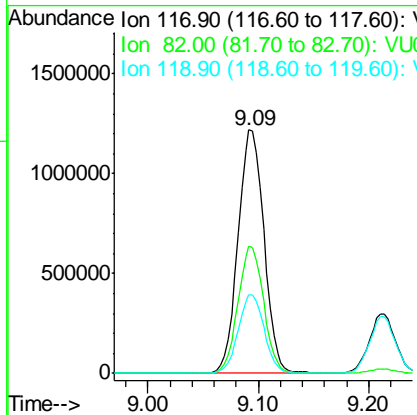


Tgt Ion: 117 Resp: 1992698

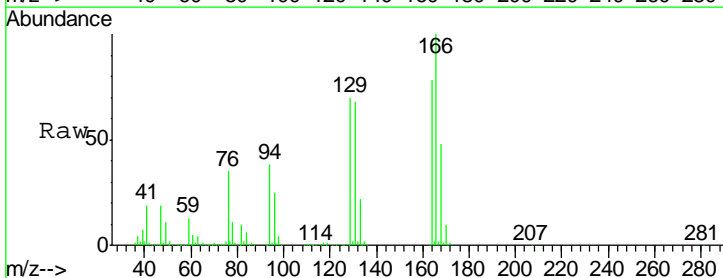
Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.4	62.0
119	32.3	25.7	38.5

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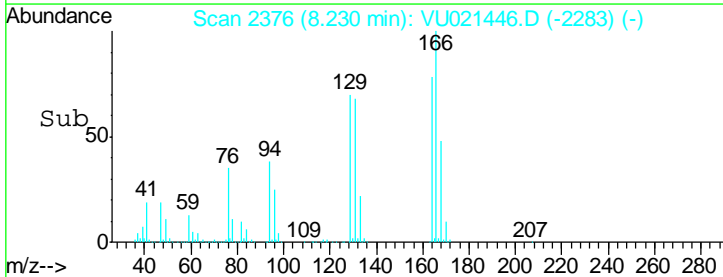
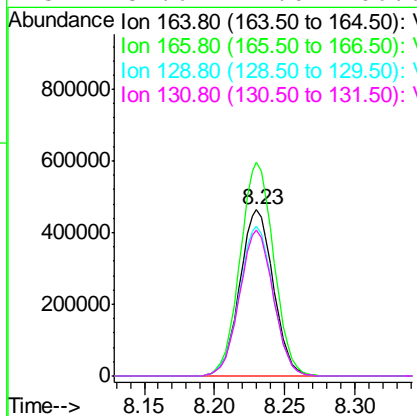


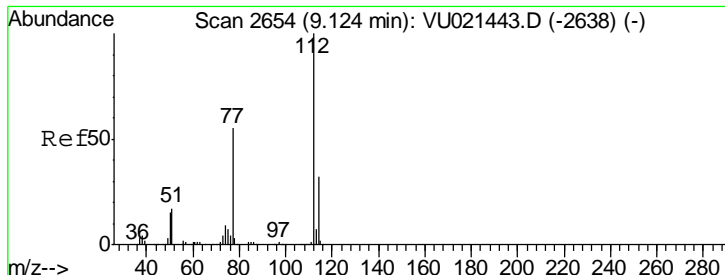
#64
 Tetrachloroethene
 Concen: 49.31 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35



Tgt Ion: 164 Resp: 772652

Ion	Ratio	Lower	Upper
164	100		
166	128.6	104.1	156.1
129	90.0	73.2	109.8
131	87.6	71.0	106.6





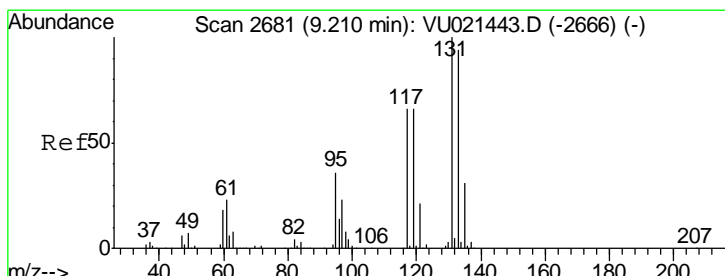
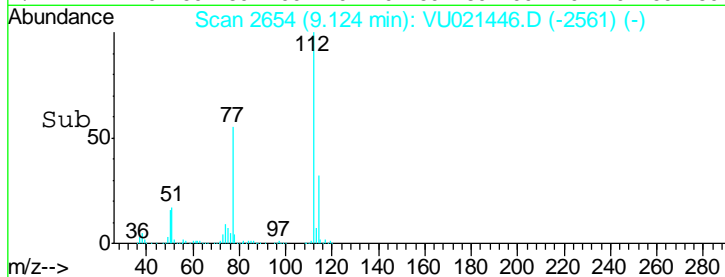
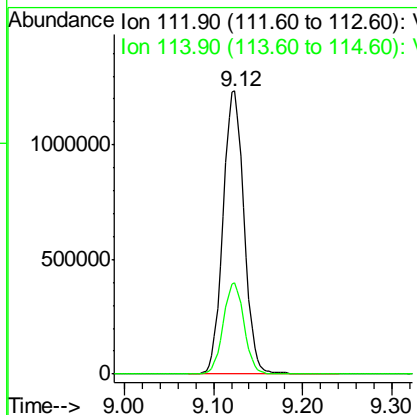
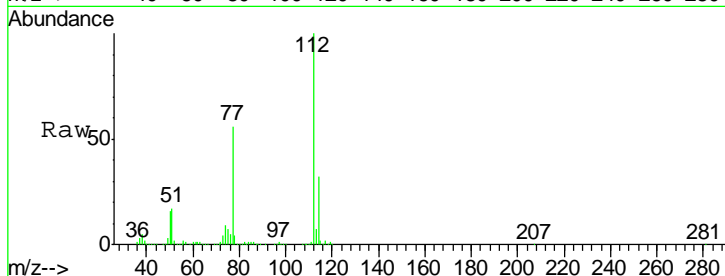
#65
 Chlorobenzene
 Concen: 49.17 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
112	2015892		
114	32.3	25.9	38.9

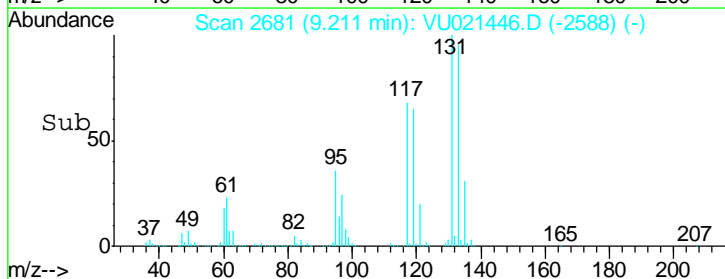
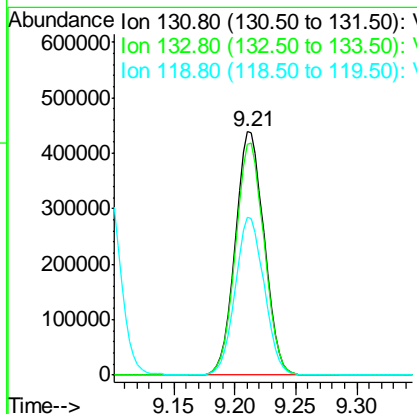
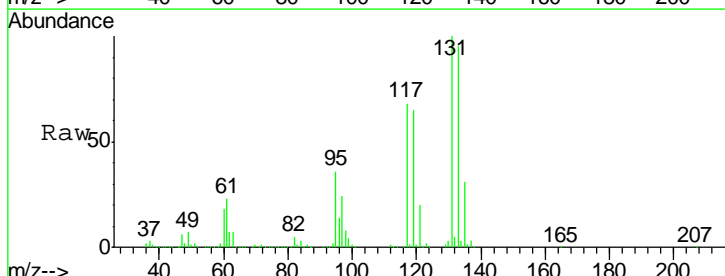
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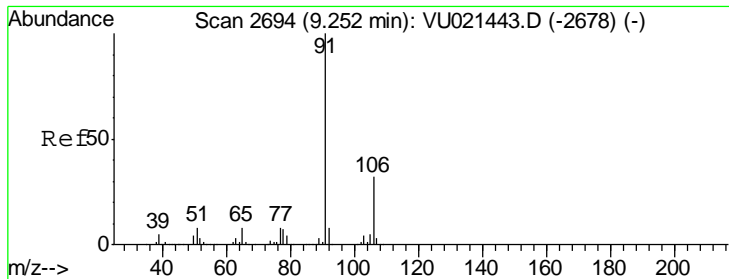
1/4/2018 11:18:57 AM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.17 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
131	717426		
133	95.0	48.1	144.3
119	64.9	33.0	98.9





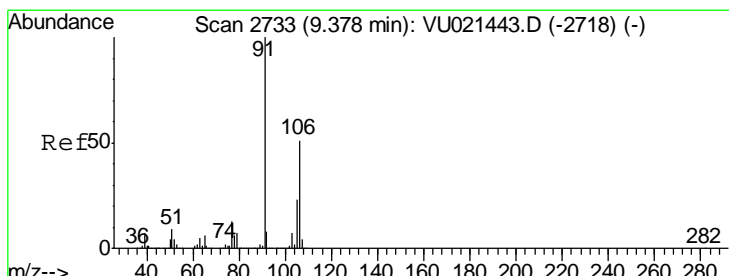
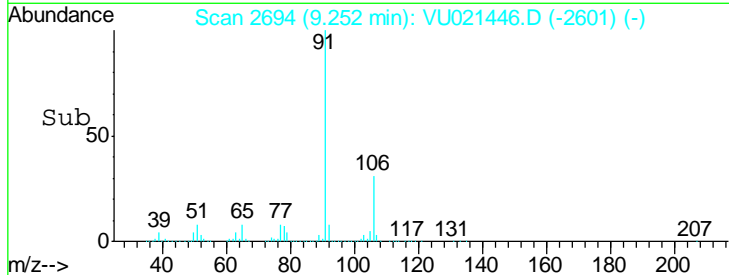
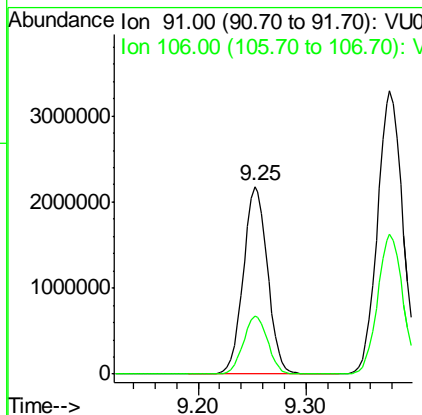
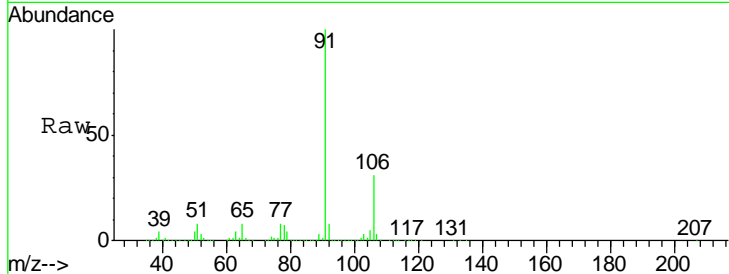
#67
 Ethyl Benzene
 Concen: 50.01 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 ClientSampled : ICVVU010318

Tgt Ion: 91 Resp: 3399504
 Ion Ratio Lower Upper
 91 100
 106 31.2 25.4 38.2

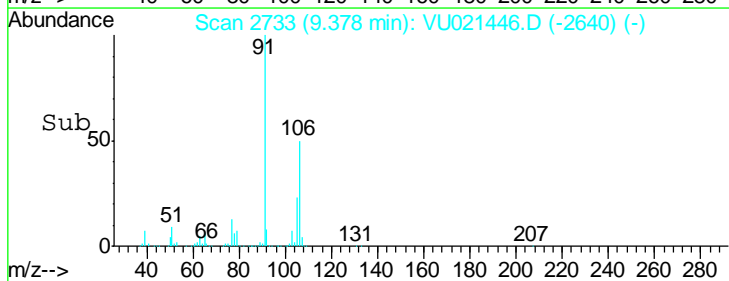
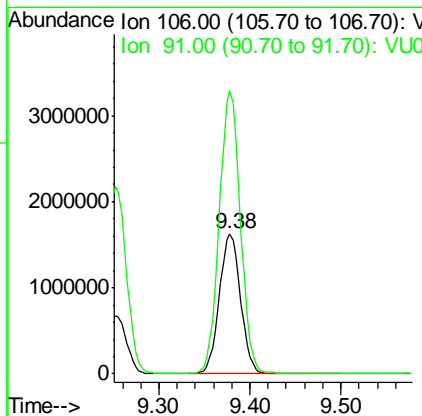
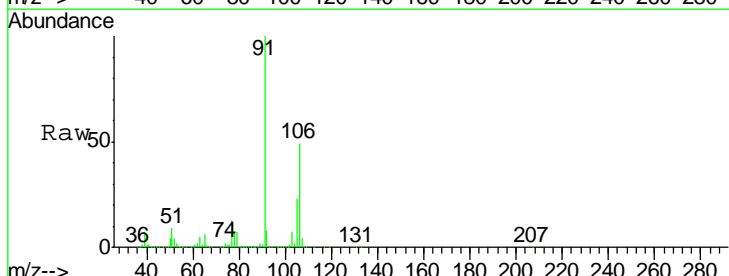
Manual Integrations
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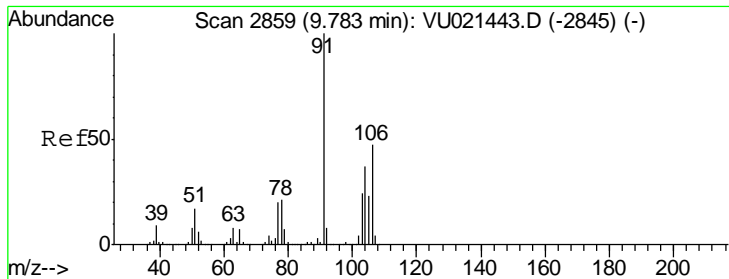
sam
 1/4/2018 11:18:57 AM



#68
 m/p-Xylenes
 Concen: 99.78 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion: 106 Resp: 2635991
 Ion Ratio Lower Upper
 106 100
 91 201.0 159.4 239.0





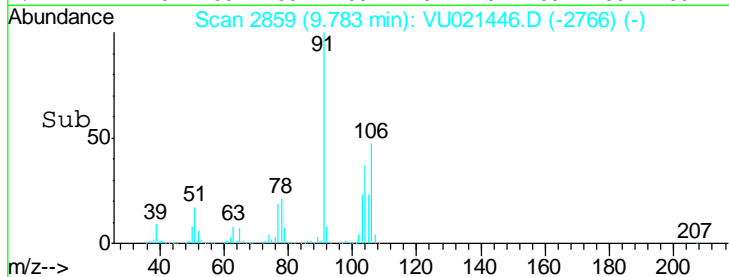
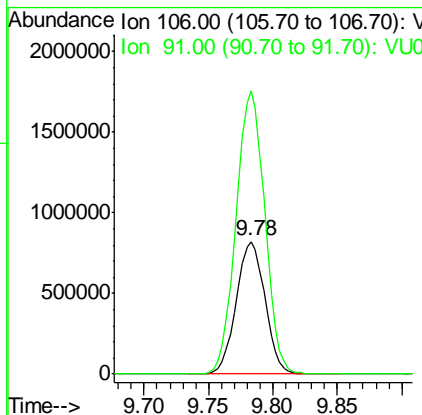
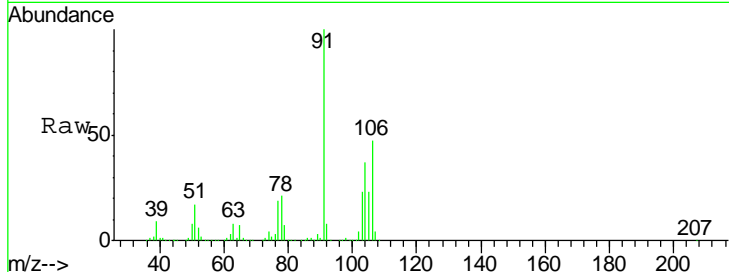
#69
 o-Xylene
 Concen: 50.53 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 ClientSampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
106	1280021		
106	100		
91	213.4	106.2	318.6

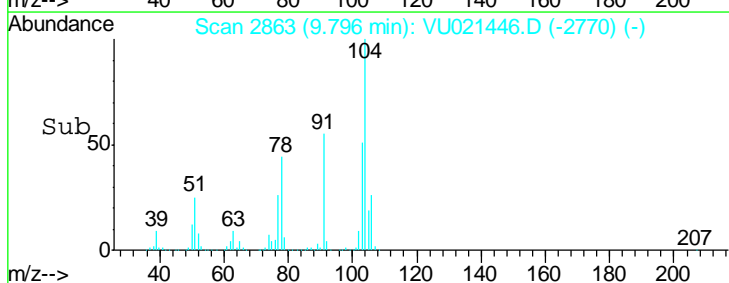
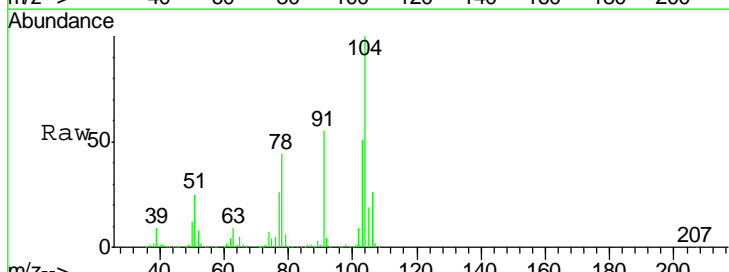
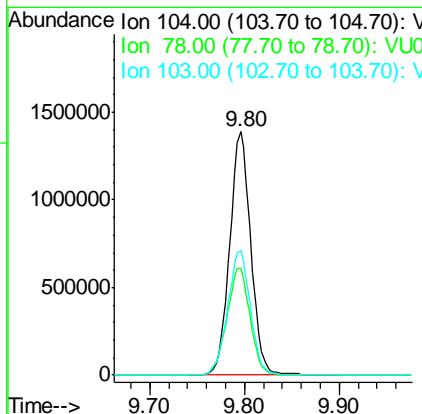
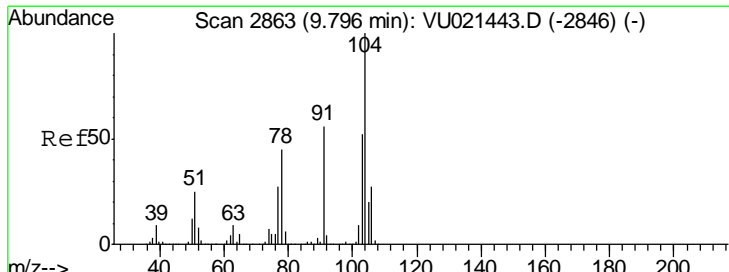
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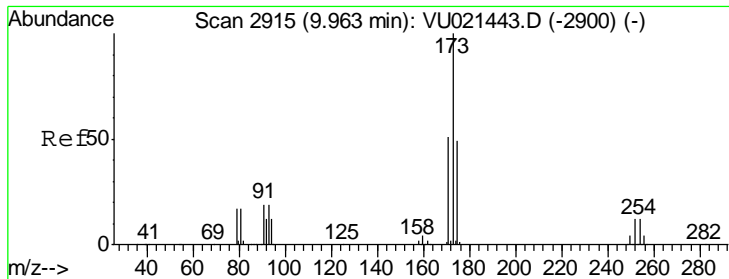
1/4/2018 11:18:57 AM



#70
 Styrene
 Concen: 51.15 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

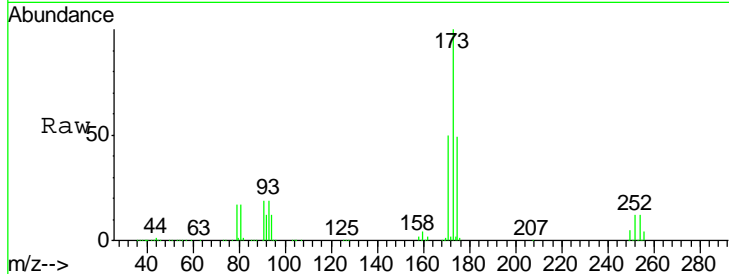
Tgt Ion	Resp	Lower	Upper
104	2158390		
104	100		
78	48.1	38.2	57.2
103	55.2	44.6	66.8





#71
 Bromoform
 Concen: 53.39 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

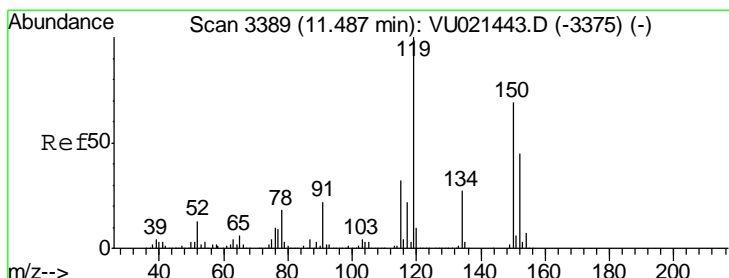
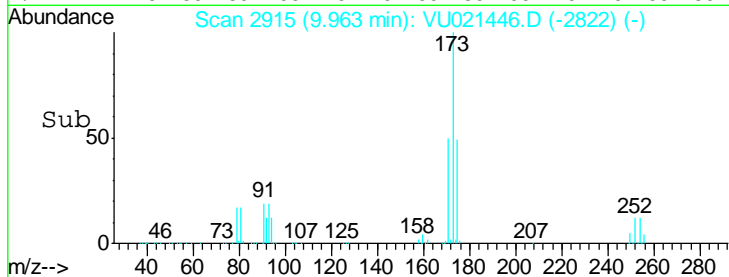
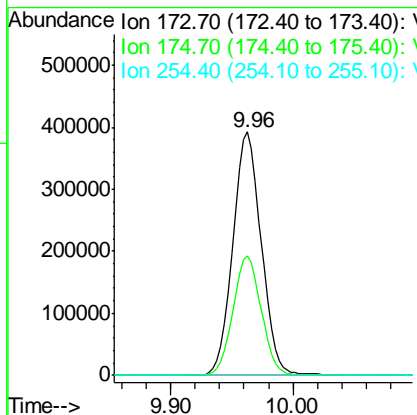
Instrument : MSVOA_U
 Client Sampled : ICVVU010318



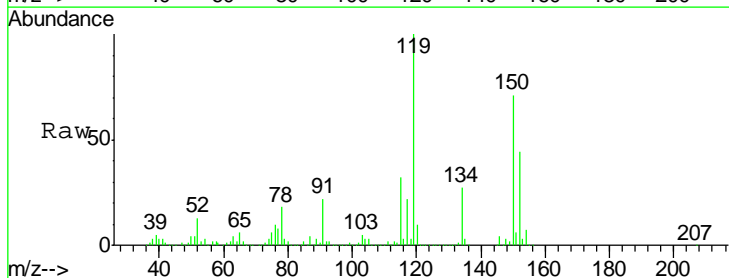
Tgt Ion	Resp	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.2	0.1	0.1

Manual Integrations
 APPROVED

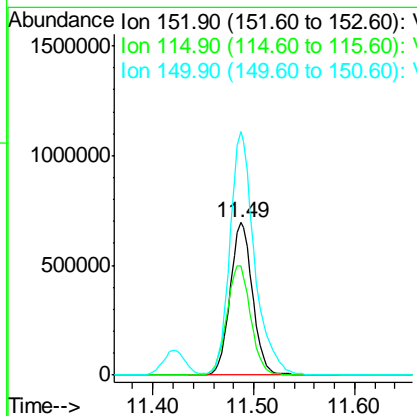
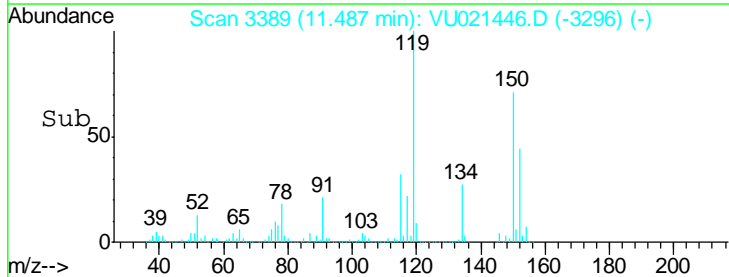
1/4/2018 11:18:57 AM

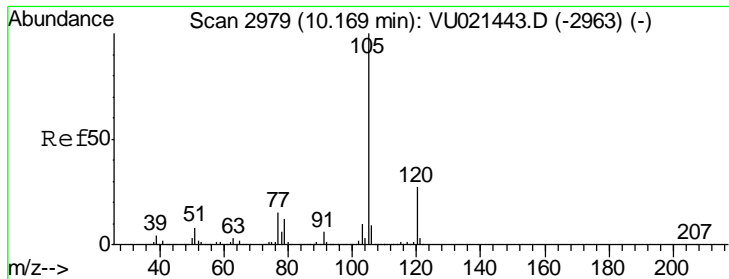


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35



Tgt Ion	Resp	Lower	Upper
152	100		
115	76.8	38.0	114.1
150	175.2	0.0	343.2





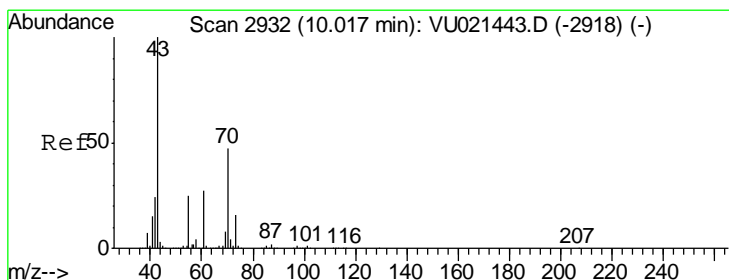
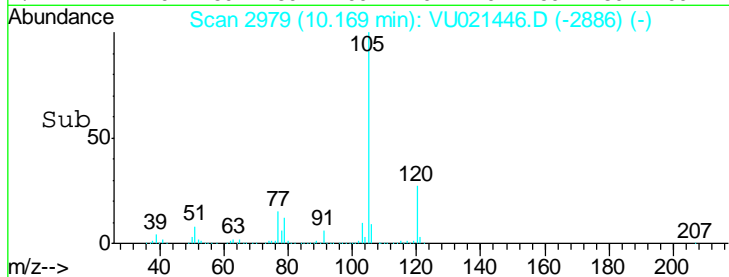
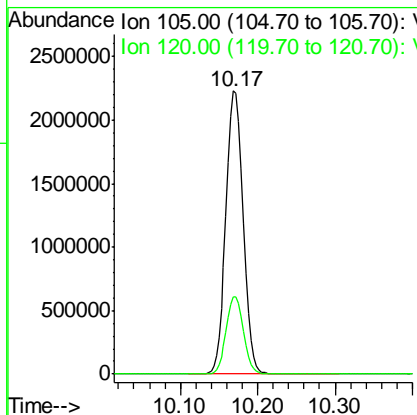
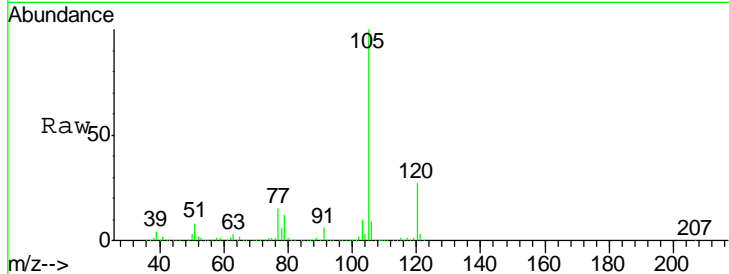
#73
 Isopropylbenzene
 Concen: 51.21 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
105	100		
120	27.2	13.5	40.5

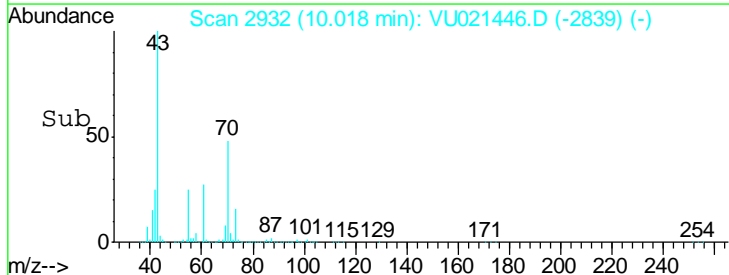
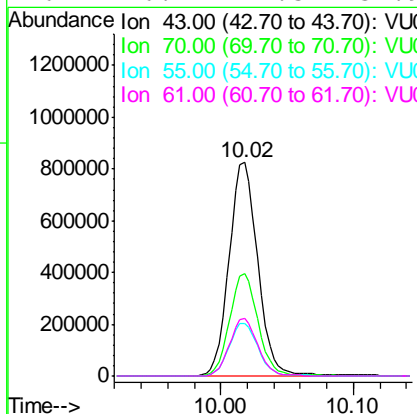
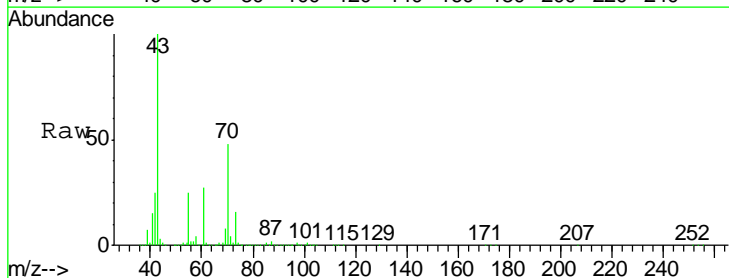
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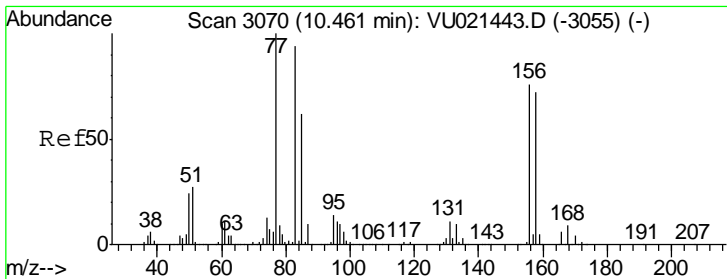
sam
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#74
 N-nyl acetate
 Concen: 54.03 ug/l
 RT: 10.02 min Scan# 2932
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
43	100		
70	47.9	37.4	56.2
55	25.3	20.1	30.1
61	26.7	21.3	31.9





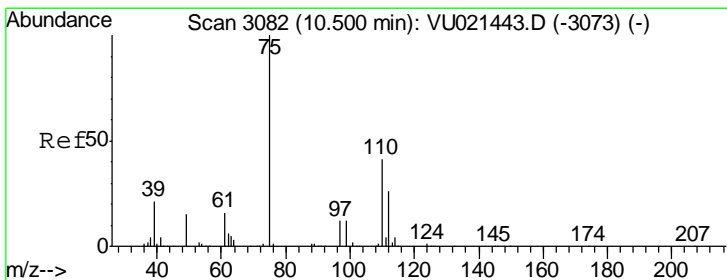
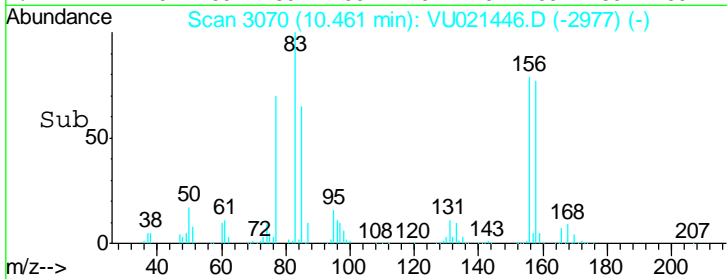
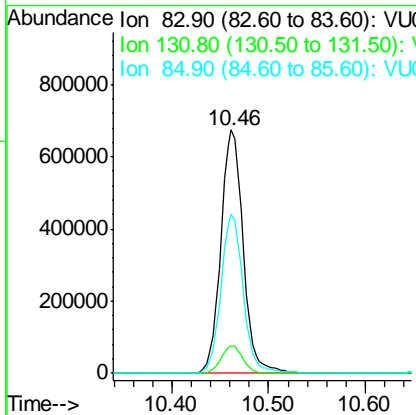
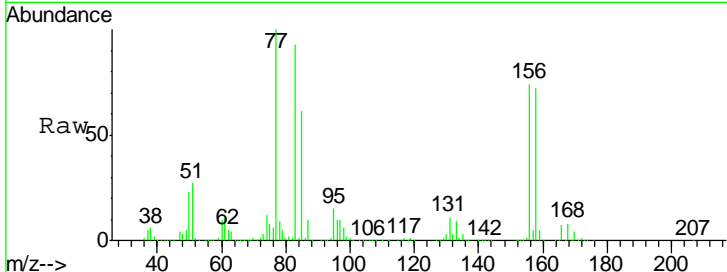
#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.49 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion: 83 Resp: 1079276

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.5
85	65.2	32.3	96.9

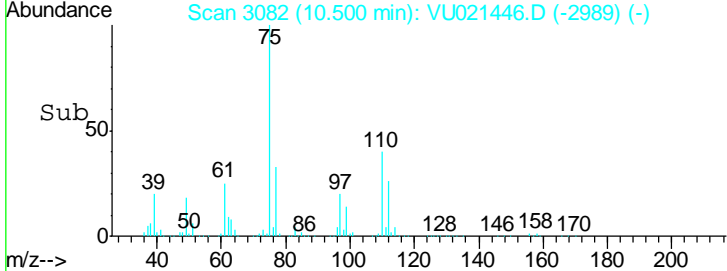
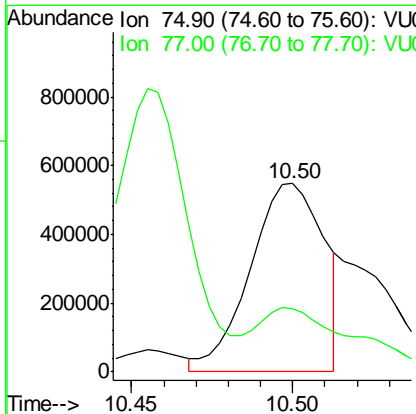
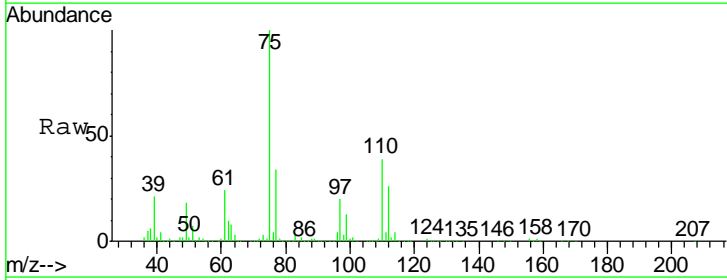
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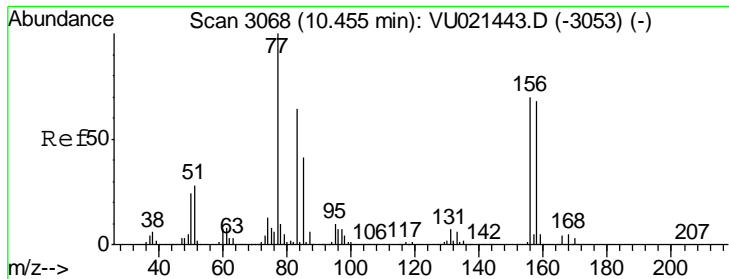


#76
 1,2,3-Trichloropropane
 Concen: 50.33 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion: 75 Resp: 876635

Ion	Ratio	Lower	Upper
75	100		
77	45.4	22.9	68.8





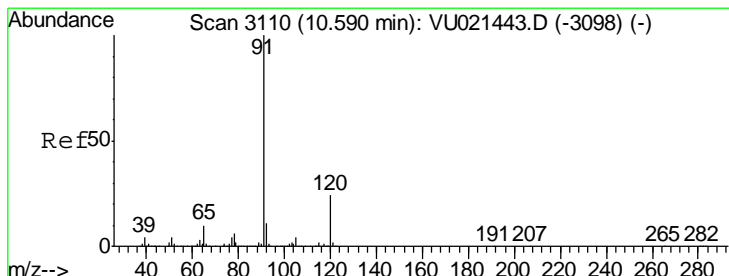
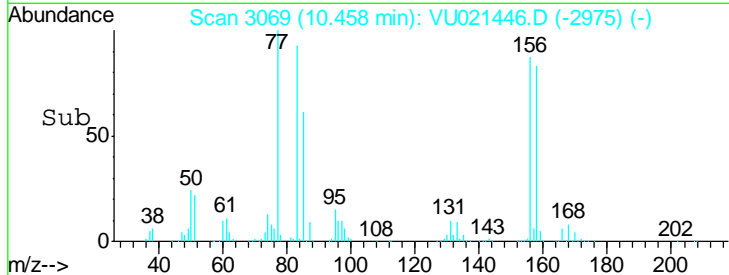
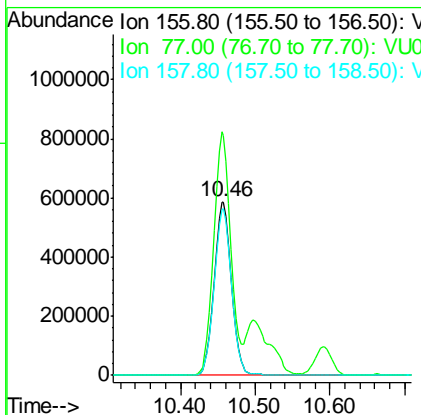
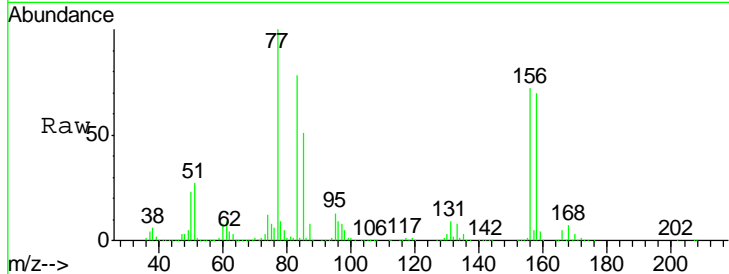
#77
 Bromobenzene
 Concen: 50.71 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
156	942022		
77	140.7	69.3	207.8
158	96.5	48.5	145.5

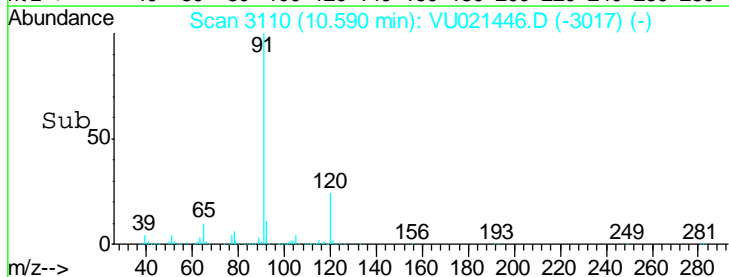
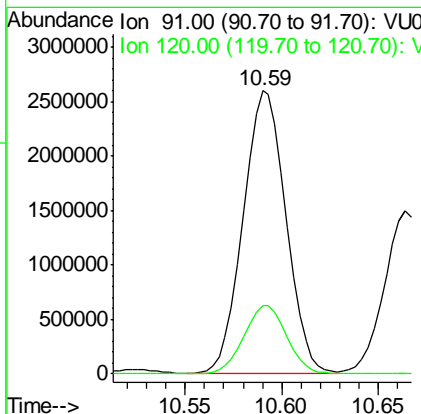
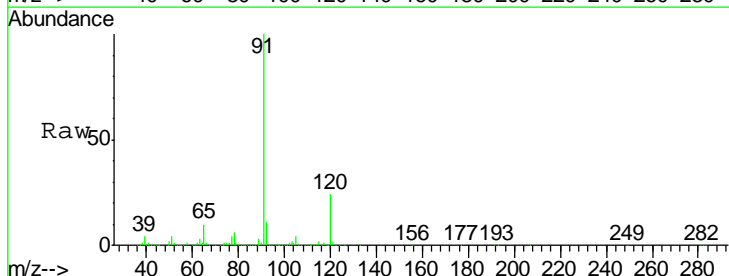
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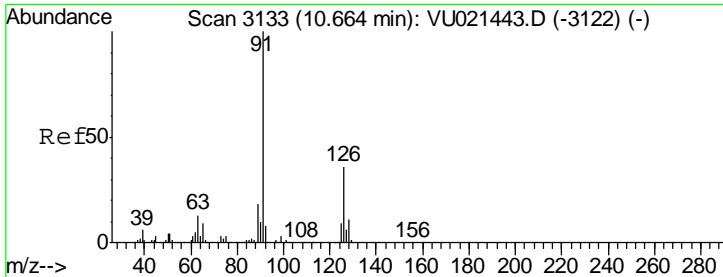
sam
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#78
 n-propylbenzene
 Concen: 51.53 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
91	3993613		
120	24.3	12.0	36.1





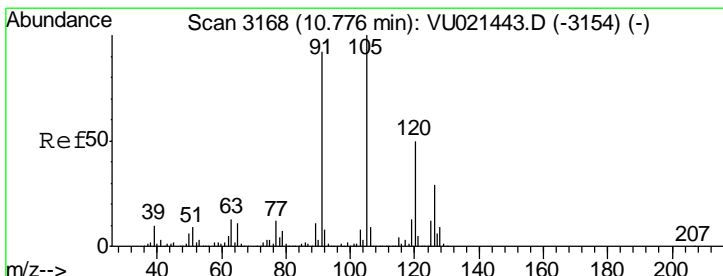
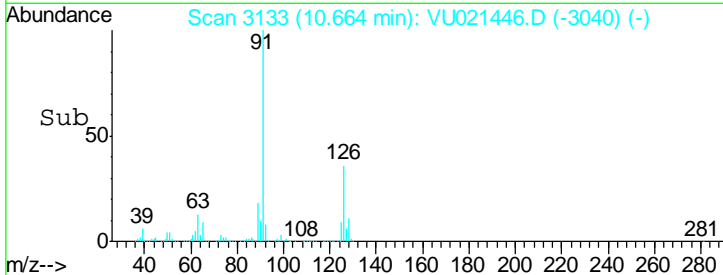
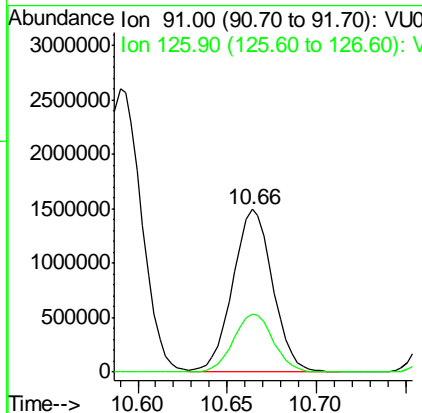
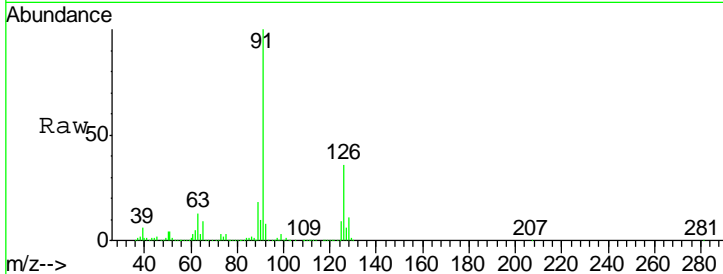
#79
 2-Chlorotoluene
 Concen: 50.74 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
91	100		
126	36.3	18.0	54.0

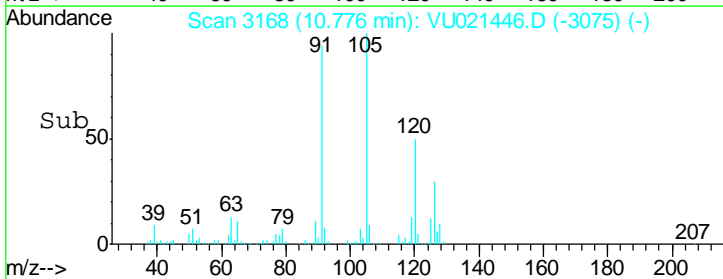
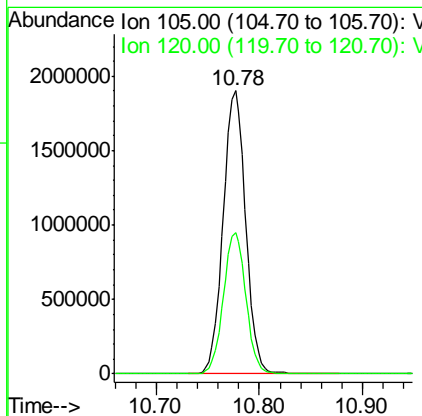
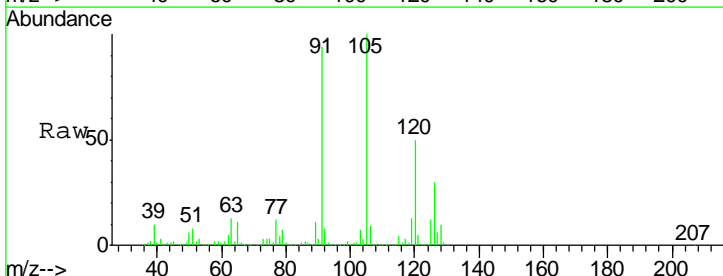
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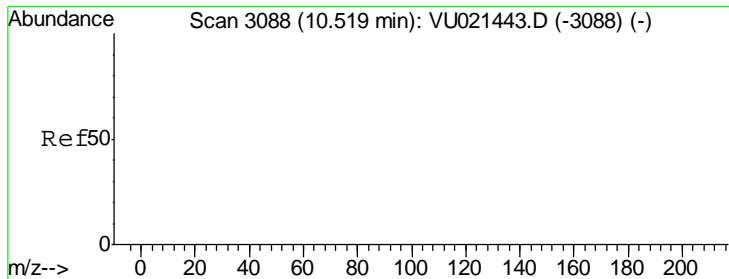
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.80 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.9	24.9	74.6





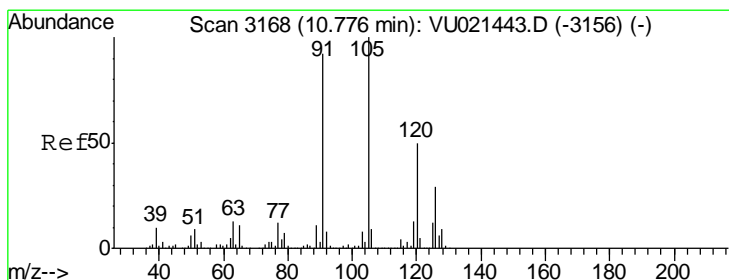
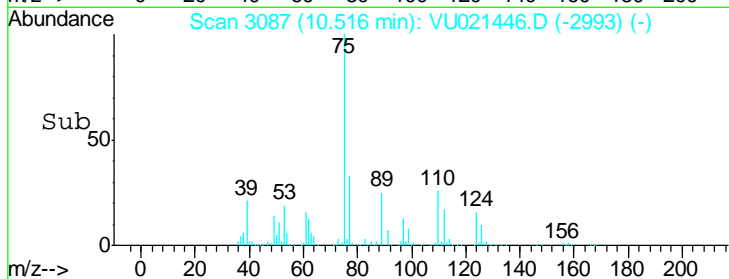
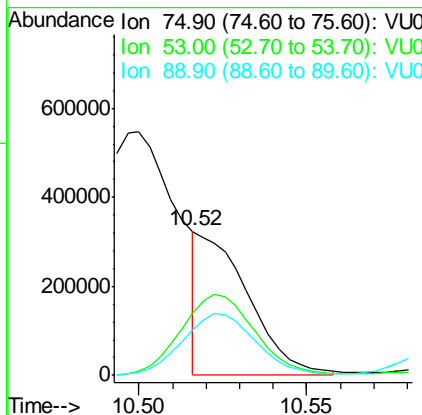
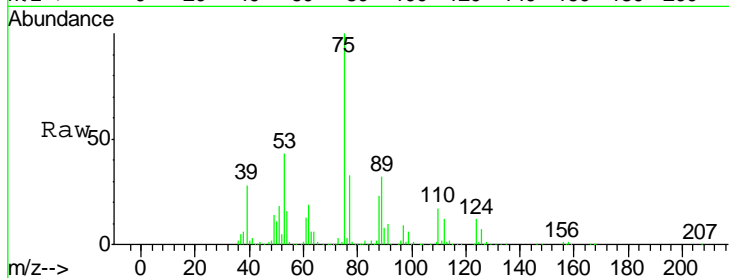
#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.70 ug/l m
 RT: 10.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 ClientSampled : ICVVU010318

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

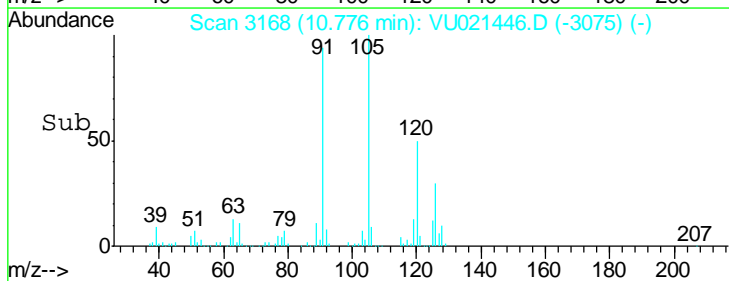
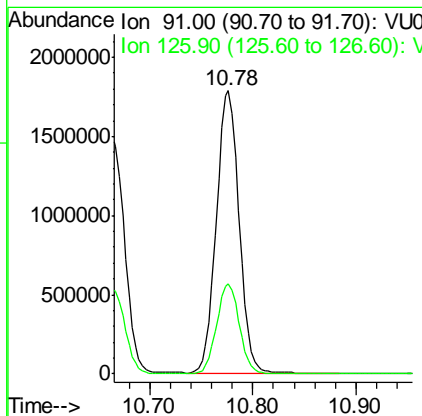
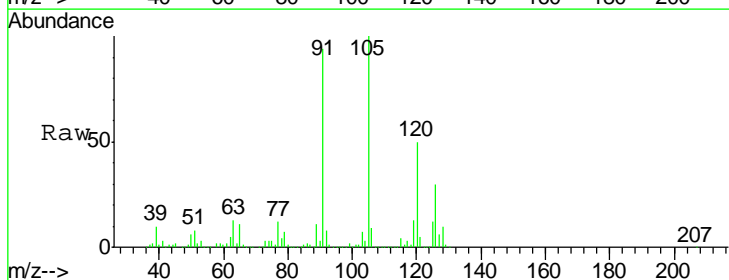
Manual Integrations
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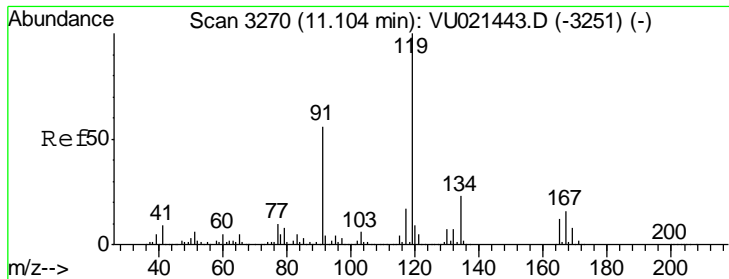
sam
 1/4/2018 11:18:57 AM



#82
 4-Chlorotoluene
 Concen: 51.34 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.7





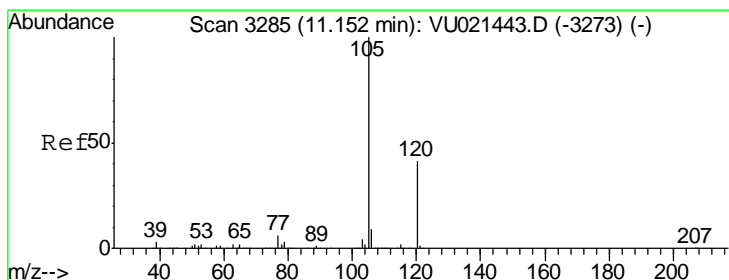
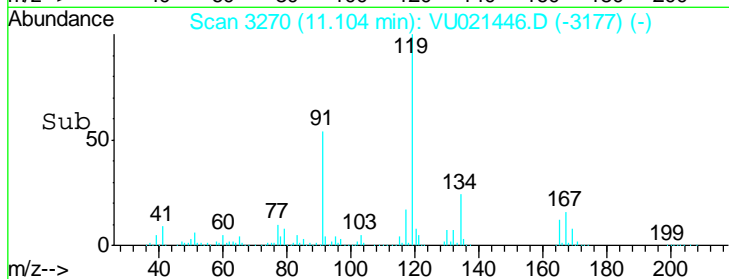
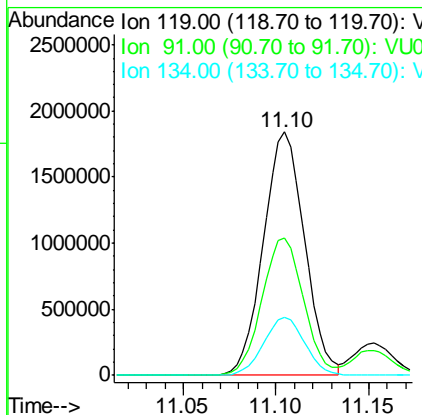
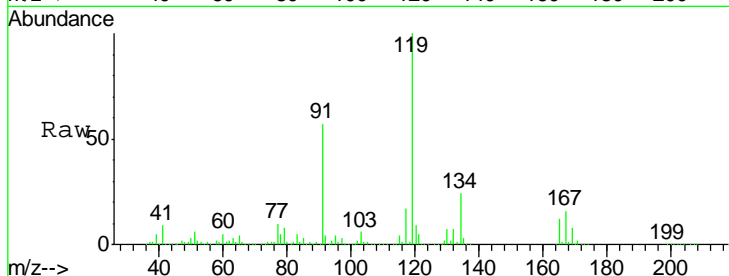
#83
 tert-Butylbenzene
 Concen: 50.58 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
119	100		
91	56.9	28.0	84.0
134	23.9	11.7	35.1

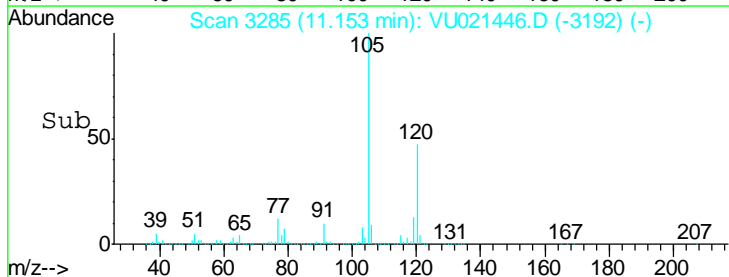
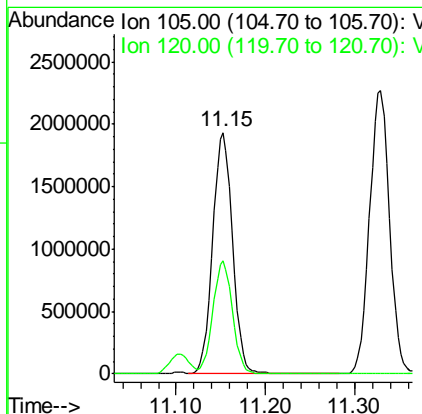
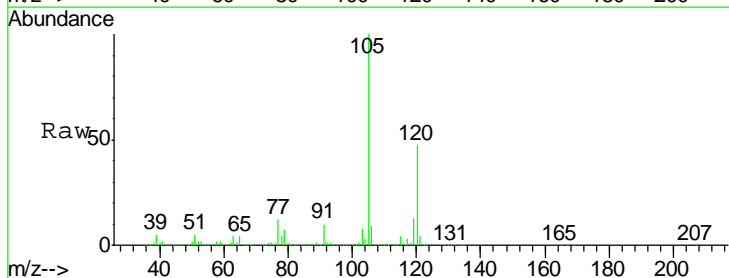
Manual Integrations
 APPROVED

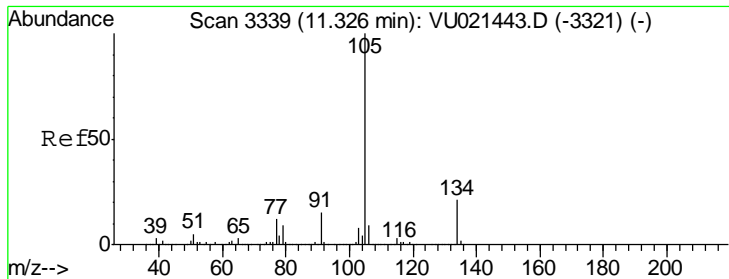
sam
 1/4/2018 11:18:57 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.35 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

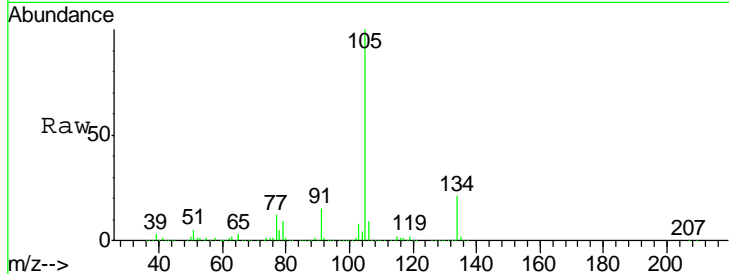
Tgt Ion	Resp	Lower	Upper
105	100		
120	46.3	23.1	69.3





#85
 sec-Butylbenzene
 Concen: 51.41 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

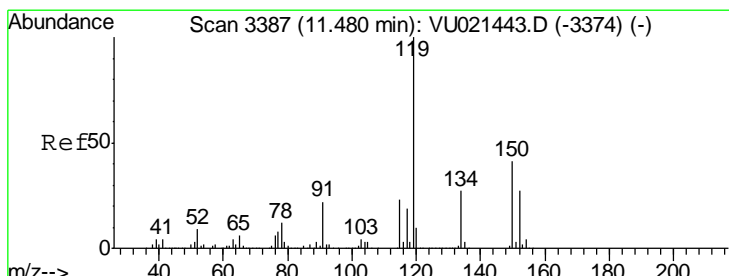
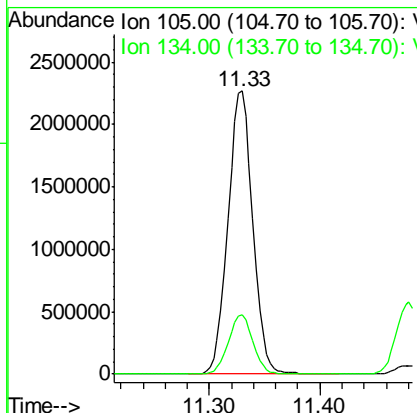
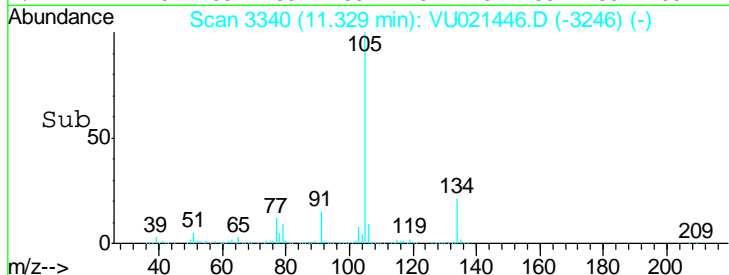
Instrument : MSVOA_U
 Client Sampled : ICVVU010318



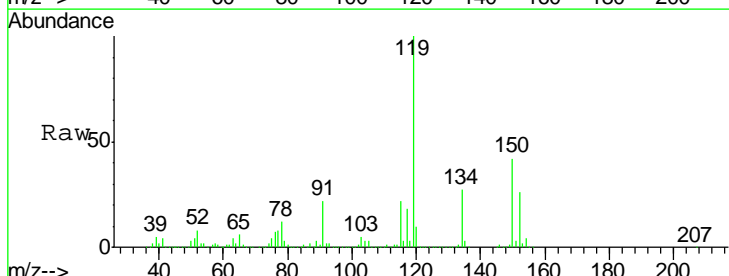
Tgt Ion: 105 Resp: 3531436
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4

Manual Integrations
 APPROVED

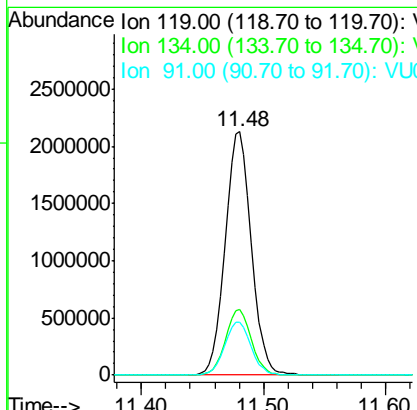
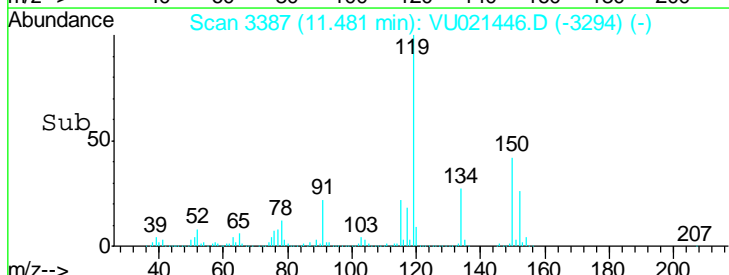
1
2
3 sam
4 1/4/2018 11:18:57 AM
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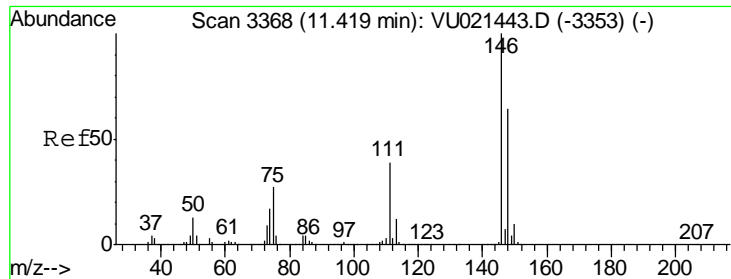


#86
 p-Isopropyltoluene
 Concen: 51.33 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35



Tgt Ion: 119 Resp: 3196930
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.6 40.7
 91 22.2 11.2 33.6





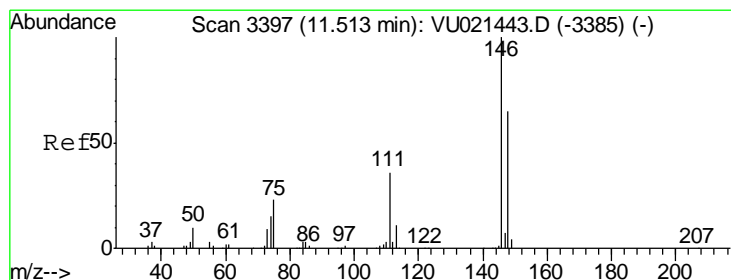
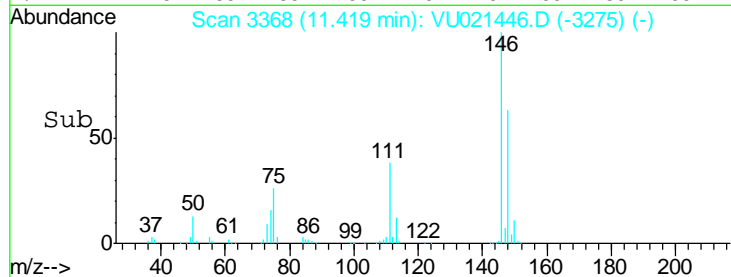
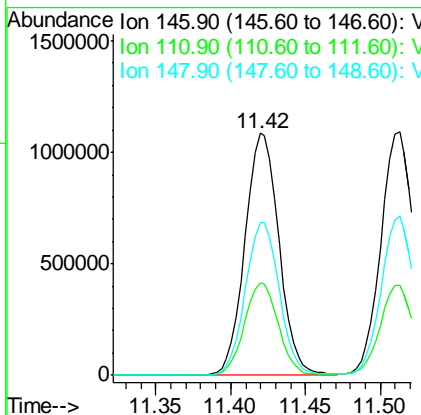
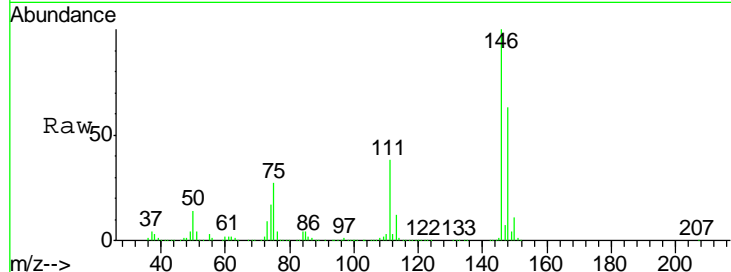
#87
 1,3-Dichlorobenzene
 Concen: 50.97 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
146	1722520		
111	38.0	19.1	57.5
148	63.3	32.0	96.0

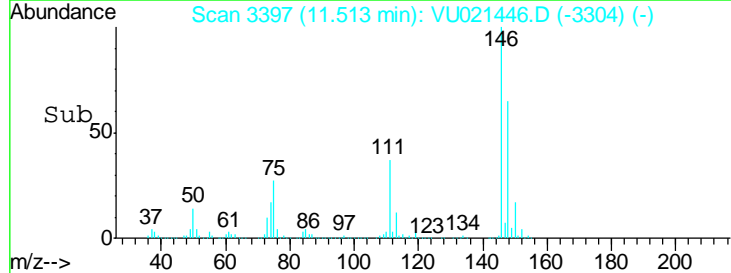
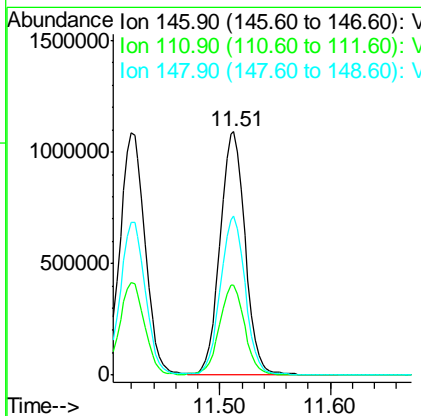
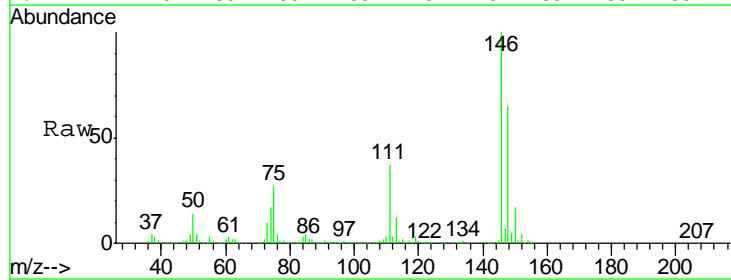
Manual Integrations
 APPROVED

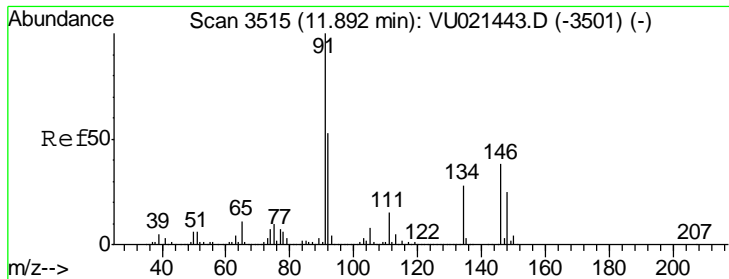
sam
 1/4/2018 11:18:57 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.84 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
146	1725617		
111	37.3	18.8	56.3
148	64.9	32.4	97.2





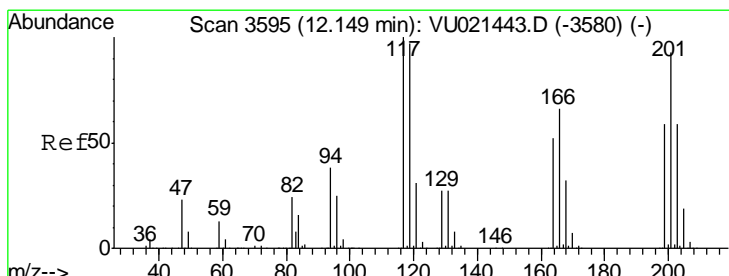
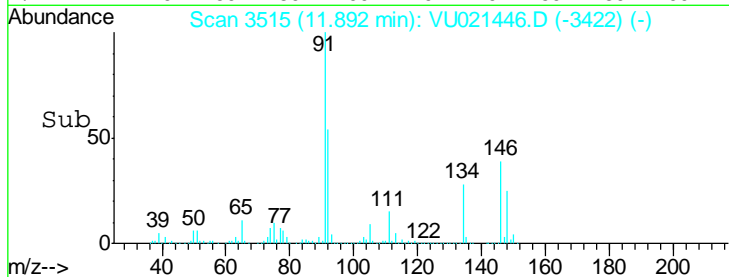
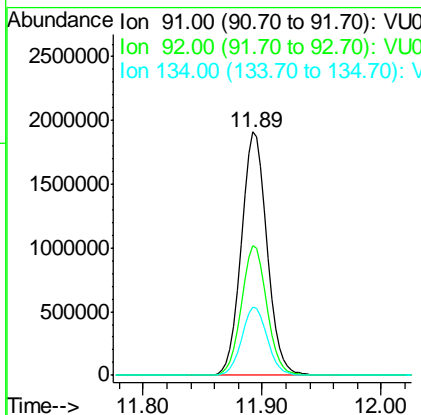
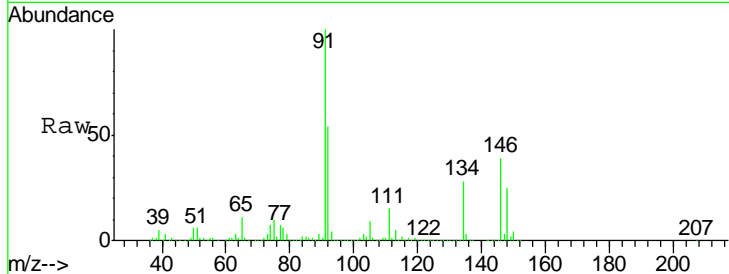
#89
 n-Butylbenzene
 Concen: 51.74 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
91	100		
92	53.1	26.5	79.5
134	28.2	14.0	42.0

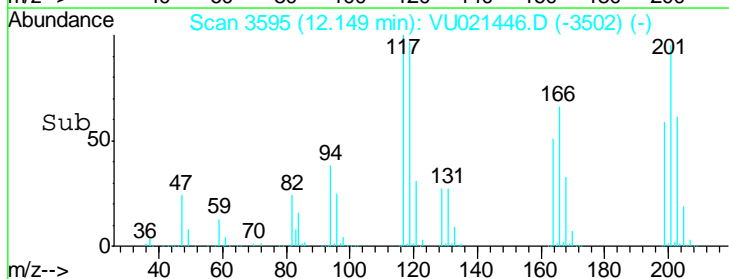
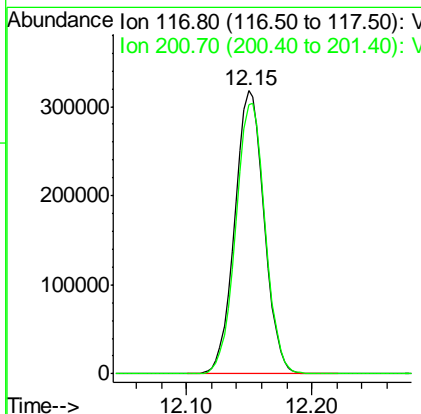
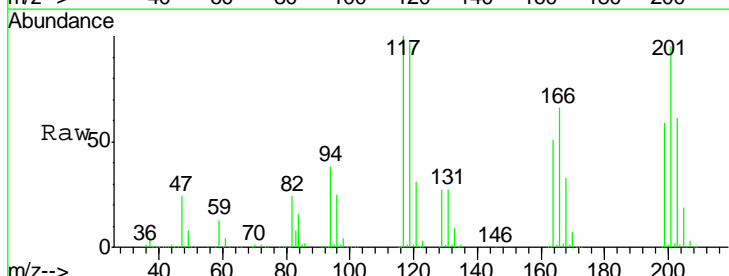
Manual Integrations
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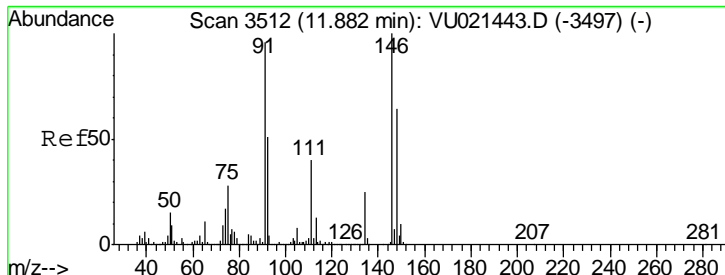
sam
 1/4/2018 11:18:57 AM



#90
 Hexachloroethane
 Concen: 53.17 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

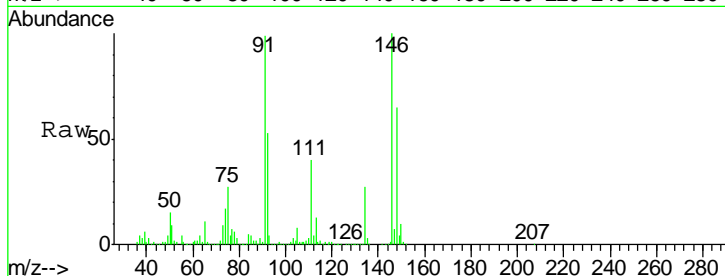
Tgt Ion	Resp	Lower	Upper
117	100		
201	95.8	47.4	142.3





#91
 1,2-Dichlorobenzene
 Concen: 50.08 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

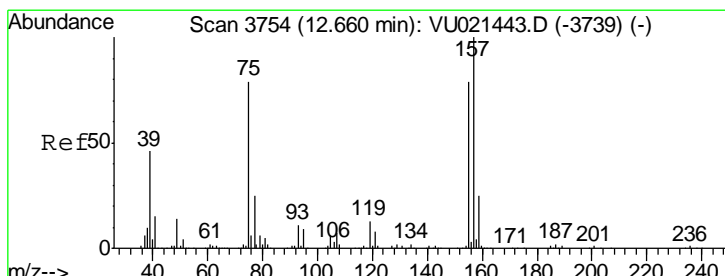
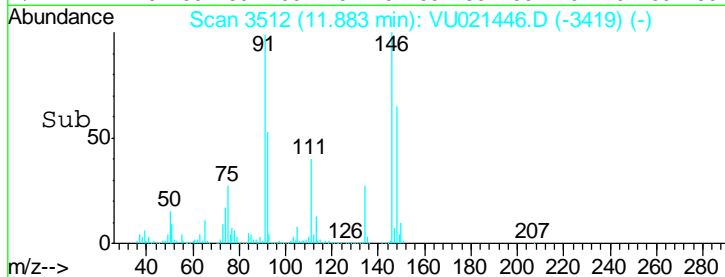
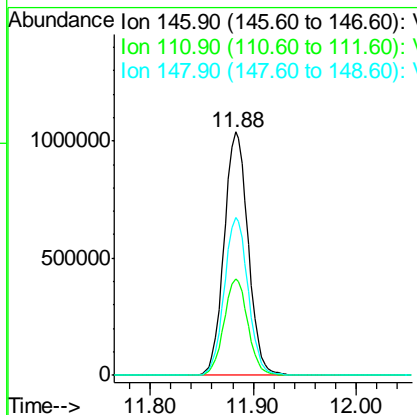
Instrument : MSVOA_U
 Client Sampled : ICVVU010318



Tgt Ion	Resp	Lower	Upper
146	1683402		
146	100		
111	39.4	19.9	59.7
148	64.5	32.1	96.3

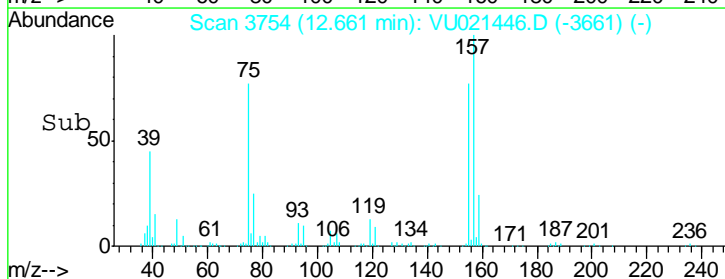
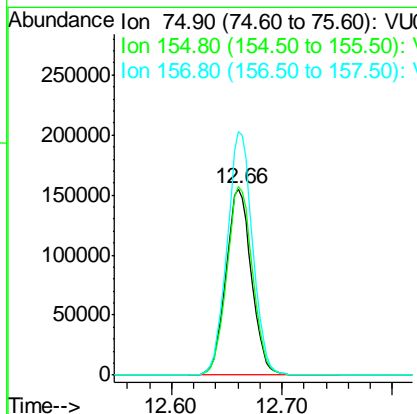
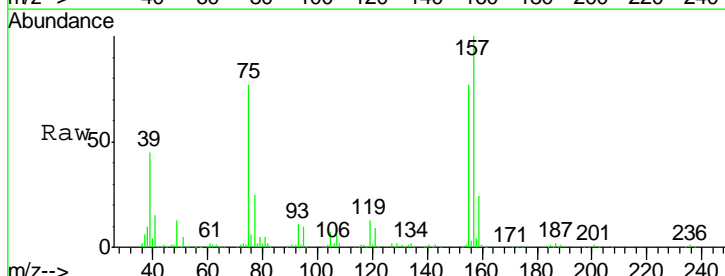
Manual Integrations
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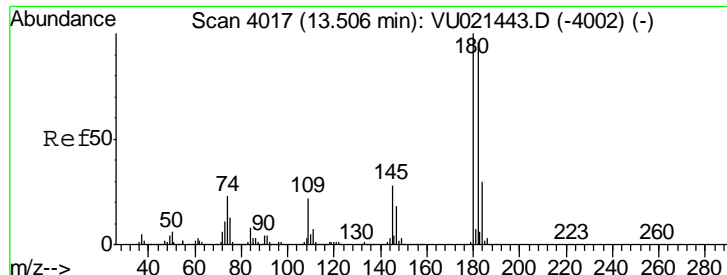
1/4/2018 11:18:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.01 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Tgt Ion	Resp	Lower	Upper
75	248762		
75	100		
155	102.6	51.0	153.1
157	130.7	64.5	193.6





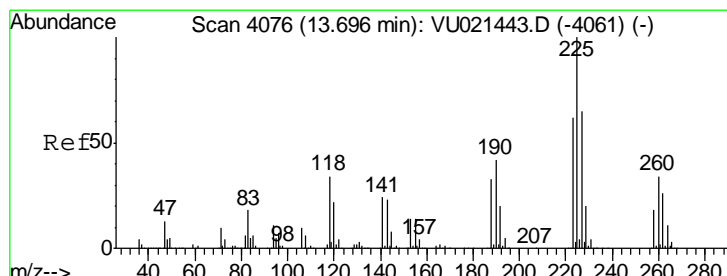
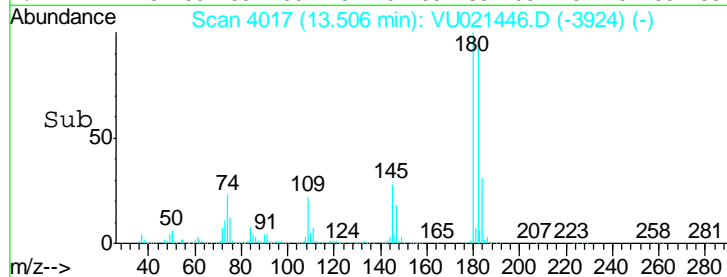
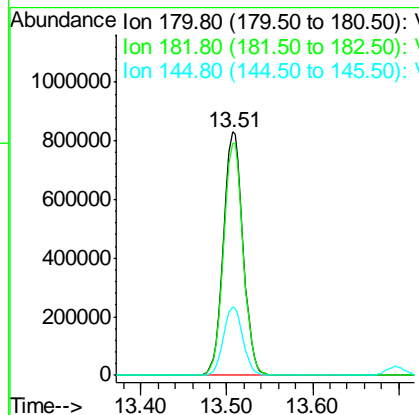
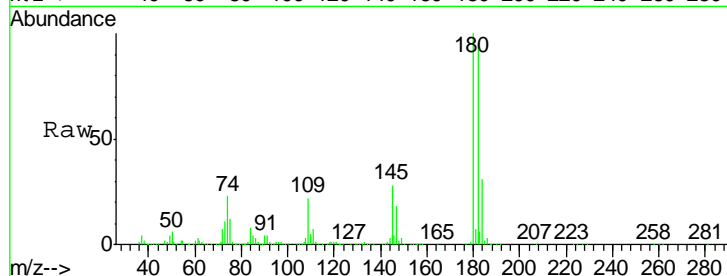
#93
 1,2,4-Trichlorobenzene
 Concen: 54.56 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

Instrument : MSVOA_U
 Client Sampled : ICVVU010318

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.8	48.2	144.6
145	28.2	14.0	42.0

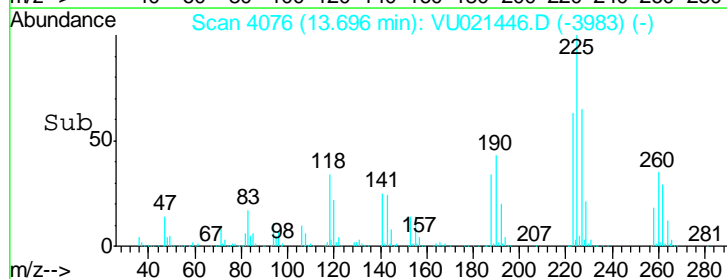
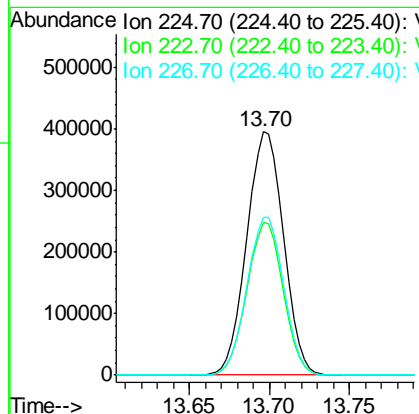
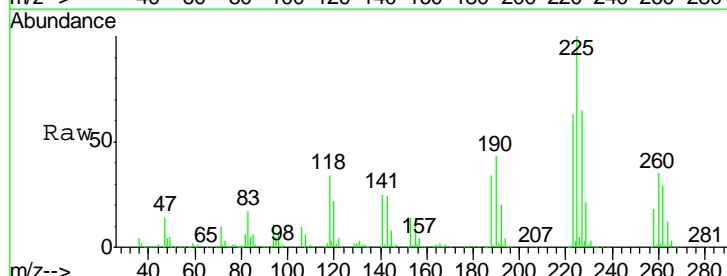
Manual Integrations
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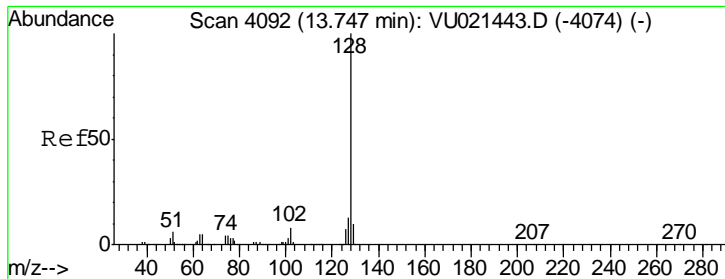
sam
 1/4/2018 11:18:57 AM



#94
 Hexachlorobutadiene
 Concen: 54.36 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

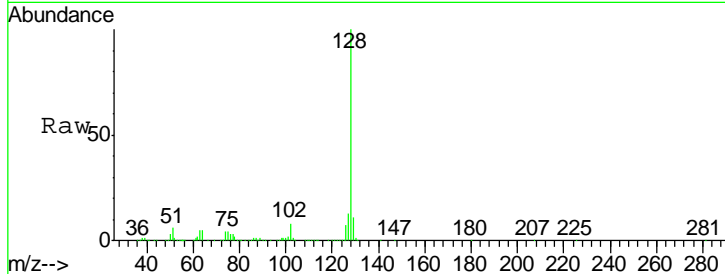
Tgt Ion	Resp	Lower	Upper
225	100		
223	61.6	30.9	92.7
227	64.5	32.6	97.7





#95
 Naphthalene
 Concen: 57.97 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35

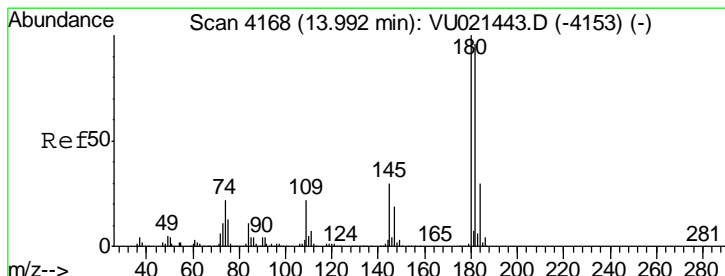
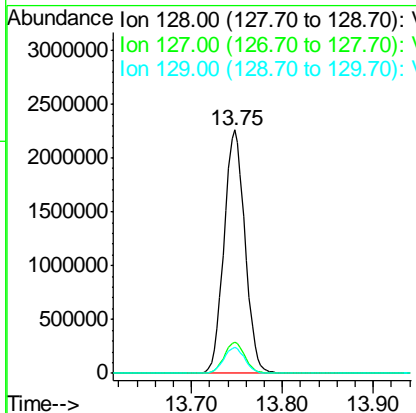
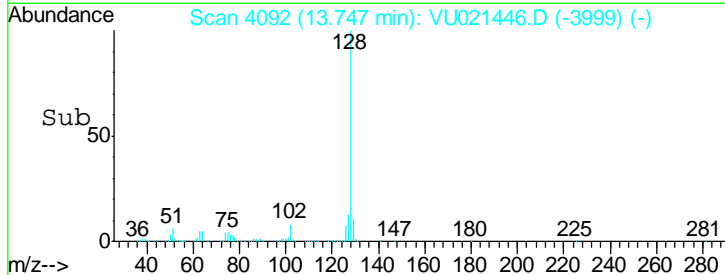
Instrument : MSVOA_U
 Client Sampled : ICVVU010318



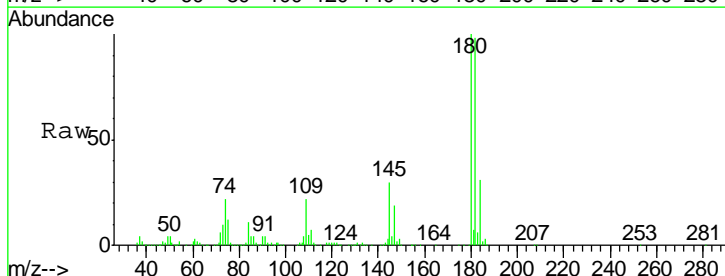
Tgt Ion: 128 Resp: 3617674

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.6	8.6	12.8

Manual Integrations APPROVED
 sam
 1/4/2018 11:18:57 AM

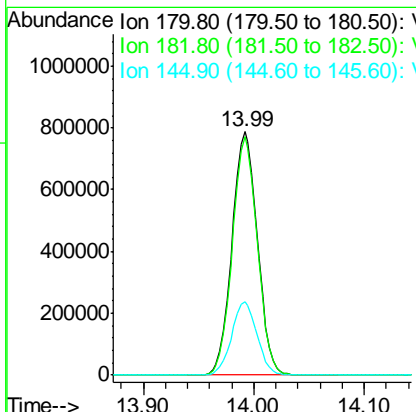
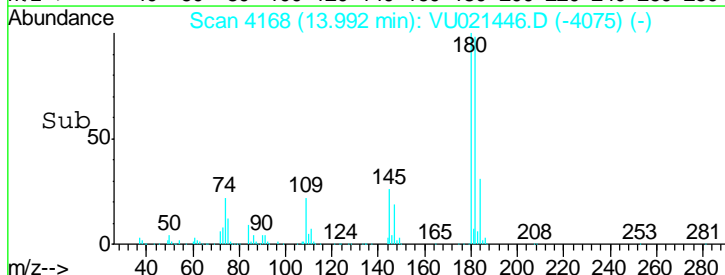


#96
 1,2,3-Trichlorobenzene
 Concen: 53.82 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU021446.D
 Acq: 03 Jan 2018 15:35



Tgt Ion: 180 Resp: 1254615

Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.1	144.3
145	30.0	14.9	44.9



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021446.D
 Acq On : 03 Jan 2018 15:35
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010318

Quant Time: Jan 04 05:44:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	103	0.00
2 T	Dichlorodifluoromethane	0.408	0.392	3.9	103	0.00
3 P	Chloromethane	0.491	0.470	4.3	104	0.00
4 C	Vinyl Chloride	0.496	0.493	0.6#	103	0.00
5 T	Bromomethane	0.348	0.338	2.9	108	0.00
6 T	Chloroethane	0.296	0.303	-2.4	104	0.00
7 T	Trichlorofluoromethane	0.703	0.696	1.0	104	0.00
8 T	Diethyl Ether	0.292	0.293	-0.3	104	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.450	0.438	2.7	102	0.00
10 T	Methyl Iodide	0.579	0.616	-6.4	103	0.00
11 T	Tert butyl alcohol	0.106	0.108	-1.9	109	0.00
12 CM	1,1-Dichloroethene	0.420	0.425	-1.2#	105	0.00
13 T	Acrolein	0.076	0.073	3.9	104	0.00
14 T	Allyl chloride	0.647	0.632	2.3	104	0.00
15 T	Acrylonitrile	0.244	0.251	-2.9	106	0.00
16 T	Acetone	0.253	0.262	-3.6	105	0.00
17 T	Carbon Disulfide	1.202	1.233	-2.6	108	0.00
18 T	Methyl Acetate	0.541	0.563	-4.1	106	0.00
19 T	Methyl tert-butyl Ether	1.415	1.406	0.6	104	0.00
20 T	Methylene Chloride	0.475	0.465	2.1	104	0.00
21 T	trans-1,2-Dichloroethene	0.450	0.451	-0.2	104	0.00
22 T	Diisopropyl ether	1.265	1.275	-0.8	104	0.00
23 T	Vinyl Acetate	1.008	1.036	-2.8	105	0.00
24 P	1,1-Dichloroethane	0.787	0.785	0.3	104	0.00
25 T	2-Butanone	0.322	0.341	-5.9	108	0.00
26 T	2,2-Dichloropropane	0.674	0.674	0.0	102	0.00
27 T	cis-1,2-Dichloroethene	0.523	0.521	0.4	104	0.00
28 T	Bromochloromethane	0.328	0.327	0.3	107	0.00
29 T	Tetrahydrofuran	0.188	0.193	-2.7	108	0.00
30 C	Chloroform	0.809	0.815	-0.7#	103	0.00
31 T	Cyclohexane	0.851	0.705	17.2	105	0.00
32 T	1,1,1-Trichloroethane	0.710	0.719	-1.3	104	0.00
33 S	1,2-Dichloroethane-d4	0.427	0.433	-1.4	104	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35 S	Dibromofluoromethane	0.277	0.274	1.1	105	0.00
36 T	1,1-Dichloropropene	0.428	0.426	0.5	105	0.00
37 T	Ethyl Acetate	0.379	0.391	-3.2	107	0.00
38 T	Carbon Tetrachloride	0.419	0.429	-2.4	105	0.00
39 T	Methylcyclohexane	0.534	0.535	-0.2	105	0.00
40 TM	Benzene	1.253	1.249	0.3	104	0.00
41 T	Methacrylonitrile	0.208	0.220	-5.8	109	0.00
42 TM	1,2-Dichloroethane	0.427	0.423	0.9	103	0.00
43 T	Isopropyl Acetate	0.633	0.649	-2.5	106	0.00
44 TM	Trichloroethene	0.379	0.373	1.6	104	0.00
45 C	1,2-Dichloropropane	0.318	0.313	1.6#	102	0.00

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021446.D
 Acq On : 03 Jan 2018 15:35
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 ICVVU010318

Quant Time: Jan 04 05:44:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.222	0.226	-1.8	104	0.00
47 T	Bromodichloromethane	0.407	0.418	-2.7	104	0.00
48 T	Methyl methacrylate	0.314	0.326	-3.8	106	0.00
49 T	1,4-Dioxane	0.008	0.008	0.0	110	0.00
50 S	Toluene-d8	0.882	0.945	-7.1	105	0.00
51 T	4-Methyl-2-Pentanone	0.387	0.408	-5.4	107	0.00
52 CM	Toluene	0.804	0.806	-0.2#	104	0.00
53 T	t-1,3-Dichloropropene	0.455	0.481	-5.7	104	0.00
54 T	cis-1,3-Dichloropropene	0.493	0.516	-4.7	103	0.00
55 T	1,1,2-Trichloroethane	0.319	0.320	-0.3	103	0.00
56 T	Ethyl methacrylate	0.479	0.495	-3.3	104	0.00
57 T	1,3-Dichloropropane	0.527	0.535	-1.5	104	0.00
58 T	2-Chloroethyl Vinyl ether	0.179	0.189	-5.6	105	0.00
59 T	2-Hexanone	0.305	0.324	-6.2	108	0.00
60 T	Dibromochloromethane	0.336	0.359	-6.8	105	0.00
61 T	1,2-Dibromoethane	0.350	0.358	-2.3	103	0.00
62 S	4-Bromofluorobenzene	0.411	0.398	3.2	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64 T	Tetrachloroethene	0.393	0.388	1.3	105	0.00
65 PM	Chlorobenzene	1.029	1.012	1.7	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.360	-2.3	104	0.00
67 C	Ethyl Benzene	1.706	1.706	0.0	104	0.00
68 T	m/p-Xylenes	0.663	0.661	0.3	103	0.00
69 T	o-Xylene	0.636	0.642	-0.9	104	0.00
70 T	Styrene	1.059	1.083	-2.3	104	0.00
71 P	Bromoform	0.298	0.319	-7.0	106	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
73 T	Isopropylbenzene	3.154	3.231	-2.4	104	0.00
74 T	N-amyl acetate	1.069	1.155	-8.0	104	0.00
75 P	1,1,2,2-Tetrachloroethane	0.977	1.006	-3.0	105	0.00
76 T	1,2,3-Trichloropropane	0.812	0.817	-0.6	106	0.00
77 T	Bromobenzene	0.866	0.878	-1.4	104	0.00
78 T	n-propylbenzene	3.612	3.723	-3.1	104	0.00
79 T	2-Chlorotoluene	2.122	2.154	-1.5	104	0.00
80 T	1,3,5-Trimethylbenzene	2.653	2.695	-1.6	103	0.00
81 T	trans-1,4-Dichloro-2-butene	0.262	0.306	-16.8	131	0.00
82 T	4-Chlorotoluene	2.498	2.565	-2.7	104	0.00
83 T	tert-Butylbenzene	2.621	2.652	-1.2	102	0.00
84 T	1,2,4-Trimethylbenzene	2.699	2.772	-2.7	104	0.00
85 T	sec-Butylbenzene	3.202	3.292	-2.8	104	0.00
86 T	p-Isopropyltoluene	2.903	2.980	-2.7	104	0.00
87 T	1,3-Dichlorobenzene	1.575	1.606	-2.0	104	0.00
88 T	1,4-Dichlorobenzene	1.614	1.609	0.3	104	0.00
89 T	n-Butylbenzene	2.561	2.650	-3.5	103	0.00

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021446.D
 Acq On : 03 Jan 2018 15:35
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010318

Quant Time: Jan 04 05:44:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.453	0.482	-6.4	104	0.00
91 T	1,2-Dichlorobenzene	1.567	1.569	-0.1	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.211	0.232	-10.0	107	0.00
93 T	1,2,4-Trichlorobenzene	1.119	1.221	-9.1	106	0.00
94 T	Hexachlorobutadiene	0.533	0.580	-8.8	112	0.00
95 T	Naphthalene	2.909	3.373	-16.0	109	0.00
96 T	1,2,3-Trichlorobenzene	1.087	1.170	-7.6	107	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 5

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021446.D
 Acq On : 03 Jan 2018 15:35
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010318

Quant Time: Jan 04 05:44:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	103	0.00
2 T	Dichlorodifluoromethane	50.000	48.099	3.8	103	0.00
3 P	Chloromethane	50.000	47.856	4.3	104	0.00
4 C	Vinyl Chloride	50.000	49.712	0.6#	103	0.00
5 T	Bromomethane	50.000	48.555	2.9	108	0.00
6 T	Chloroethane	50.000	51.289	-2.6	104	0.00
7 T	Trichlorofluoromethane	50.000	49.515	1.0	104	0.00
8 T	Diethyl Ether	50.000	50.221	-0.4	104	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.669	2.7	102	0.00
10 T	Methyl Iodide	50.000	49.259	1.5	103	0.00
11 T	Tert butyl alcohol	250.000	255.708	-2.3	109	0.00
12 CM	1,1-Dichloroethene	50.000	50.568	-1.1#	105	0.00
13 T	Acrolein	250.000	240.683	3.7	104	0.00
14 T	Allyl chloride	50.000	48.899	2.2	104	0.00
15 T	Acrylonitrile	250.000	257.486	-3.0	106	0.00
16 T	Acetone	250.000	257.973	-3.2	105	0.00
17 T	Carbon Disulfide	50.000	51.312	-2.6	108	0.00
18 T	Methyl Acetate	50.000	52.079	-4.2	106	0.00
19 T	Methyl tert-butyl Ether	50.000	49.680	0.6	104	0.00
20 T	Methylene Chloride	50.000	48.970	2.1	104	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.141	-0.3	104	0.00
22 T	Diisopropyl ether	50.000	50.384	-0.8	104	0.00
23 T	Vinyl Acetate	250.000	256.904	-2.8	105	0.00
24 P	1,1-Dichloroethane	50.000	49.907	0.2	104	0.00
25 T	2-Butanone	250.000	265.051	-6.0	108	0.00
26 T	2,2-Dichloropropane	50.000	50.003	-0.0	102	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.880	0.2	104	0.00
28 T	Bromochloromethane	50.000	49.844	0.3	107	0.00
29 T	Tetrahydrofuran	250.000	257.337	-2.9	108	0.00
30 C	Chloroform	50.000	50.381	-0.8#	103	0.00
31 T	Cyclohexane	50.000	51.277	-2.6	105	0.00
32 T	1,1,1-Trichloroethane	50.000	50.666	-1.3	104	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.797	-1.6	104	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35 S	Dibromofluoromethane	50.000	49.571	0.9	105	0.00
36 T	1,1-Dichloropropene	50.000	49.806	0.4	105	0.00
37 T	Ethyl Acetate	50.000	51.694	-3.4	107	0.00
38 T	Carbon Tetrachloride	50.000	51.152	-2.3	105	0.00
39 T	Methylcyclohexane	50.000	50.048	-0.1	105	0.00
40 TM	Benzene	50.000	49.861	0.3	104	0.00
41 T	Methacrylonitrile	50.000	53.062	-6.1	109	0.00
42 TM	1,2-Dichloroethane	50.000	49.588	0.8	103	0.00
43 T	Isopropyl Acetate	50.000	51.307	-2.6	106	0.00
44 TM	Trichloroethene	50.000	49.195	1.6	104	0.00
45 C	1,2-Dichloropropane	50.000	49.196	1.6#	102	0.00

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021446.D
 Acq On : 03 Jan 2018 15:35
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 ICVVU010318

Quant Time: Jan 04 05:44:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	50.969	-1.9	104	0.00
47 T	Bromodichloromethane	50.000	51.342	-2.7	104	0.00
48 T	Methyl methacrylate	50.000	51.894	-3.8	106	0.00
49 T	1,4-Dioxane	1000.000	1035.129	-3.5	110	0.00
50 S	Toluene-d8	50.000	53.529	-7.1	105	0.00
51 T	4-Methyl-2-Pentanone	250.000	263.165	-5.3	107	0.00
52 CM	Toluene	50.000	50.159	-0.3#	104	0.00
53 T	t-1,3-Dichloropropene	50.000	52.905	-5.8	104	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.353	-4.7	103	0.00
55 T	1,1,2-Trichloroethane	50.000	50.302	-0.6	103	0.00
56 T	Ethyl methacrylate	50.000	51.689	-3.4	104	0.00
57 T	1,3-Dichloropropane	50.000	50.754	-1.5	104	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	264.265	-5.7	105	0.00
59 T	2-Hexanone	250.000	266.299	-6.5	108	0.00
60 T	Dibromochloromethane	50.000	53.419	-6.8	105	0.00
61 T	1,2-Dibromoethane	50.000	51.197	-2.4	103	0.00
62 S	4-Bromofluorobenzene	50.000	48.449	3.1	105	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64 T	Tetrachloroethene	50.000	49.311	1.4	105	0.00
65 PM	Chlorobenzene	50.000	49.172	1.7	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.174	-2.3	104	0.00
67 C	Ethyl Benzene	50.000	50.010	-0.0#	104	0.00
68 T	m/p-Xylenes	100.000	99.778	0.2	103	0.00
69 T	o-Xylene	50.000	50.527	-1.1	104	0.00
70 T	Styrene	50.000	51.153	-2.3	104	0.00
71 P	Bromoform	50.000	53.390	-6.8	106	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
73 T	Isopropylbenzene	50.000	51.212	-2.4	104	0.00
74 T	N-amyl acetate	50.000	54.029	-8.1	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.492	-3.0	105	0.00
76 T	1,2,3-Trichloropropane	50.000	50.333	-0.7	106	0.00
77 T	Bromobenzene	50.000	50.708	-1.4	104	0.00
78 T	n-propylbenzene	50.000	51.534	-3.1	104	0.00
79 T	2-Chlorotoluene	50.000	50.739	-1.5	104	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.797	-1.6	103	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	54.696	-9.4	131	0.00
82 T	4-Chlorotoluene	50.000	51.338	-2.7	104	0.00
83 T	tert-Butylbenzene	50.000	50.584	-1.2	102	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.351	-2.7	104	0.00
85 T	sec-Butylbenzene	50.000	51.405	-2.8	104	0.00
86 T	p-Isopropyltoluene	50.000	51.332	-2.7	104	0.00
87 T	1,3-Dichlorobenzene	50.000	50.967	-1.9	104	0.00
88 T	1,4-Dichlorobenzene	50.000	49.837	0.3	104	0.00
89 T	n-Butylbenzene	50.000	51.742	-3.5	103	0.00

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021446.D
 Acq On : 03 Jan 2018 15:35
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010318

Quant Time: Jan 04 05:44:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	53.173	-6.3	104	0.00
91 T	1,2-Dichlorobenzene	50.000	50.079	-0.2	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	55.014	-10.0	107	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.557	-9.1	106	0.00
94 T	Hexachlorobutadiene	50.000	54.357	-8.7	112	0.00
95 T	Naphthalene	50.000	57.974	-15.9	109	0.00
96 T	1,2,3-Trichlorobenzene	50.000	53.821	-7.6	107	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: I7090 SAS No.: I7090 SDG No.: I7090
 Instrument ID: MSVOA_U Calibration Date/Time: 01/04/2018 10:35
 Lab File ID: VU021464.D Init. Calib. Date(s): 01/03/2018 01/03/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 12:54 15:08
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.391		-4.17	20
Chloromethane	0.491	0.450	0.1	-8.35	20
Vinyl Chloride	0.496	0.478		-3.63	20
Bromomethane	0.348	0.314		-9.77	20
Chloroethane	0.296	0.296		0	20
Trichlorofluoromethane	0.703	0.688		-2.13	20
1,1,2-Trichlorotrifluoroethane	0.450	0.443		-1.56	20
1,1-Dichloroethene	0.420	0.412		-1.9	20
Acetone	0.253	0.301		18.97	20
Carbon Disulfide	1.202	1.150		-4.33	20
Methyl tert-butyl Ether	1.415	1.375		-2.83	20
Methyl Acetate	0.541	0.543		0.37	20
Methylene Chloride	0.475	0.457		-3.79	20
trans-1,2-Dichloroethene	0.450	0.442		-1.78	20
1,1-Dichloroethane	0.787	0.764	0.1	-2.92	20
Cyclohexane	0.851	0.684		-19.62	20
2-Butanone	0.322	0.346		7.45	20
Carbon Tetrachloride	0.419	0.423		0.95	20
cis-1,2-Dichloroethene	0.523	0.508		-2.87	20
Bromochloromethane	0.328	0.324		-1.22	20
Chloroform	0.809	0.797		-1.48	20
1,1,1-Trichloroethane	0.710	0.699		-1.55	20
Methylcyclohexane	0.534	0.539		0.94	20
Benzene	1.253	1.237		-1.28	20
1,2-Dichloroethane	0.427	0.419		-1.87	20
Trichloroethene	0.379	0.369		-2.64	20
1,2-Dichloropropane	0.318	0.313		-1.57	20
Bromodichloromethane	0.407	0.418		2.7	20
4-Methyl-2-Pentanone	0.387	0.393		1.55	20
Toluene	0.804	0.808		0.5	20
t-1,3-Dichloropropene	0.455	0.484		6.37	20
cis-1,3-Dichloropropene	0.493	0.514		4.26	20
1,1,2-Trichloroethane	0.319	0.321		0.63	20
2-Hexanone	0.305	0.325		6.56	20
Dibromochloromethane	0.336	0.356		5.95	20
1,2-Dibromoethane	0.350	0.357		2	20
Tetrachloroethene	0.393	0.383		-2.55	20
Chlorobenzene	1.029	1.021	0.3	-0.78	20
Ethyl Benzene	1.706	1.714		0.47	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: I7090 SAS No.: I7090 SDG No.: I7090
 Instrument ID: MSVOA_U Calibration Date/Time: 01/04/2018 10:35
 Lab File ID: VU021464.D Init. Calib. Date(s): 01/03/2018 01/03/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 12:54 15:08
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.663	0.667		0.6	20
o-Xylene	0.636	0.643		1.1	20
Styrene	1.059	1.096		3.49	20
Bromoform	0.298	0.312	0.1	4.7	20
Isopropylbenzene	3.154	3.124		-0.95	20
1,1,2,2-Tetrachloroethane	0.977	0.970	0.3	-0.72	20
1,3-Dichlorobenzene	1.575	1.567		-0.51	20
1,4-Dichlorobenzene	1.614	1.570		-2.73	20
1,2-Dichlorobenzene	1.567	1.533		-2.17	20
1,2-Dibromo-3-Chloropropane	0.211	0.217		2.84	20
1,2,4-Trichlorobenzene	1.119	1.186		5.99	20
1,2,3-Trichlorobenzene	1.087	1.125		3.5	20
1,2-Dichloroethane-d4	0.427	0.446		4.45	20
Dibromofluoromethane	0.277	0.284		2.53	20
Toluene-d8	0.882	0.981		11.22	20
4-Bromofluorobenzene	0.411	0.416		1.22	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021464.D
 Acq On : 04 Jan 2018 10:35
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 04 13:03:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1404152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	2038971	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1860394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	1045080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	626837	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
35) Dibromofluoromethane	4.89	113	578811	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	7.57	98	1999396	55.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.14%	
62) 4-Bromofluorobenzene	10.31	95	848445	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	548328	47.88	ug/l	100
3) Chloromethane	1.33	50	631403	45.78	ug/l	97
4) Vinyl Chloride	1.40	62	671230	48.22	ug/l	99
5) Bromomethane	1.62	94	440236	45.10	ug/l	99
6) Chloroethane	1.70	64	415390	50.00	ug/l	99
7) Trichlorofluoromethane	1.89	101	965460	48.92	ug/l	100
8) Diethyl Ether	2.10	74	400601	48.92	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	622186	49.19	ug/l	100
10) Methyl Iodide	2.41	142	880147	50.05	ug/l	99
11) Tert butyl alcohol	2.83	59	693134	232.79	ug/l	99
12) 1,1-Dichloroethene	2.28	96	579194	49.11	ug/l	99
13) Acrolein	2.19	56	487230	227.73	ug/l	100
14) Allyl chloride	2.59	41	870914	47.96	ug/l	100
15) Acrylonitrile	2.94	53	1692738	247.05	ug/l	99
16) Acetone	2.32	43	2113973	297.00	ug/l	99
17) Carbon Disulfide	2.48	76	1614195	47.83	ug/l	99
18) Methyl Acetate	2.62	43	763131	50.24	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	1930413	48.59	ug/l	100
20) Methylene Chloride	2.70	84	641696	48.14	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	620629	49.13	ug/l	99
22) Diisopropyl ether	3.58	45	1732949	48.77	ug/l	99
23) Vinyl Acetate	3.53	43	7176030	253.46	ug/l	100
24) 1,1-Dichloroethane	3.45	63	1072751	48.57	ug/l	100
25) 2-Butanone	4.27	43	2427295	268.50	ug/l	99
26) 2,2-Dichloropropane	4.23	77	949241	50.17	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	713179	48.58	ug/l	99
28) Bromochloromethane	4.55	49	455010	49.42	ug/l	99
29) Tetrahydrofuran	4.65	42	1261993	239.26	ug/l	100
30) Chloroform	4.68	83	1119507	49.29	ug/l	100
31) Cyclohexane	4.99	56	961121	49.73	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	981674	49.25	ug/l	99
36) 1,1-Dichloropropene	5.14	75	856067	49.10	ug/l	99
37) Ethyl Acetate	4.39	43	772535	50.05	ug/l	99
38) Carbon Tetrachloride	5.14	117	861874	50.41	ug/l	99

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021464.D
 Acq On : 04 Jan 2018 10:35
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 04 13:03:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	1098668	50.44	ug/l	99
40) Benzene	5.39	78	2522418	49.38	ug/l	100
41) Methacrylonitrile	4.55	41	427406	50.49	ug/l	99
42) 1,2-Dichloroethane	5.41	62	855291	49.13	ug/l	100
43) Isopropyl Acetate	5.55	43	1283556	49.75	ug/l	100
44) Trichloroethene	6.19	130	752813	48.69	ug/l	99
45) 1,2-Dichloropropane	6.44	63	638756	49.19	ug/l	100
46) Dibromomethane	6.56	93	462656	51.09	ug/l	98
47) Bromodichloromethane	6.76	83	852542	51.36	ug/l	98
48) Methyl methacrylate	6.63	41	648535	50.63	ug/l	99
49) 1,4-Dioxane	6.62	88	302521	946.68	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	4009449	253.87	ug/l	100
52) Toluene	7.64	92	1646687	50.25	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	987773	53.27	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	1048668	52.14	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	654125	50.36	ug/l	100
56) Ethyl methacrylate	8.02	69	995996	51.00	ug/l	99
57) 1,3-Dichloropropane	8.25	76	1086755	50.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	2031740	278.27	ug/l	99
59) 2-Hexanone	8.37	43	3309221	266.41	ug/l	100
60) Dibromochloromethane	8.48	129	725891	52.92	ug/l	99
61) 1,2-Dibromoethane	8.59	107	727809	51.00	ug/l	99
64) Tetrachloroethene	8.23	164	713252	48.76	ug/l	98
65) Chlorobenzene	9.12	112	1898785	49.61	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	668744	51.09	ug/l	99
67) Ethyl Benzene	9.25	91	3188197	50.24	ug/l	100
68) m/p-Xylenes	9.38	106	2480245	100.56	ug/l	98
69) o-Xylene	9.78	106	1195921	50.56	ug/l	100
70) Styrene	9.80	104	2038786	51.75	ug/l	99
71) Bromoform	9.96	173	580407	52.27	ug/l #	99
73) Isopropylbenzene	10.17	105	3264325	49.51	ug/l	100
74) N-amyl acetate	10.02	43	1150346	51.48	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	1014117	49.66	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	1163429	68.56	ug/l	79
77) Bromobenzene	10.46	156	884150	48.85	ug/l	99
78) n-propylbenzene	10.59	91	3806932	50.42	ug/l	100
79) 2-Chlorotoluene	10.66	91	2199044	49.57	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	2752392	49.63	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	1167223	158.13	ug/l #	100
82) 4-Chlorotoluene	10.78	91	2617865	50.14	ug/l	100
83) tert-Butylbenzene	11.10	119	2707060	49.41	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	2827915	50.12	ug/l	100
85) sec-Butylbenzene	11.33	105	3384017	50.56	ug/l	100
86) p-Isopropyltoluene	11.48	119	3078904	50.74	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	1637515	49.73	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	1640568	48.63	ug/l	100
89) n-Butylbenzene	11.89	91	2773160	51.82	ug/l	100
90) Hexachloroethane	12.15	117	492054	51.96	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	1601764	48.91	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	226585	51.43	ug/l	99

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021464.D
 Acq On : 04 Jan 2018 10:35
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 04 13:03:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

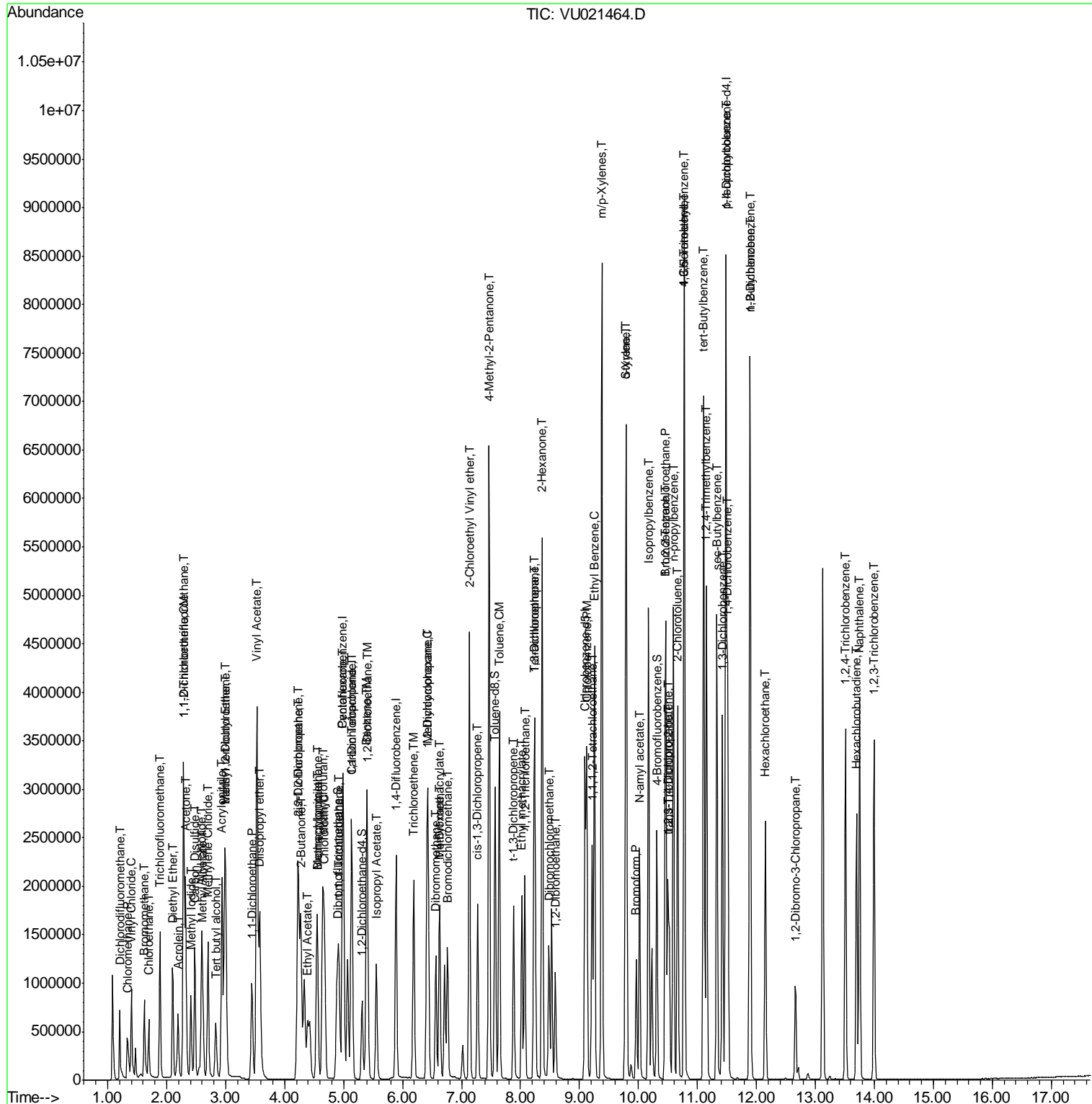
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	1239219	52.98	ug/l	99
94) Hexachlorobutadiene	13.70	225	557514	50.04	ug/l	99
95) Naphthalene	13.75	128	3258570	53.60	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	1175730	51.77	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

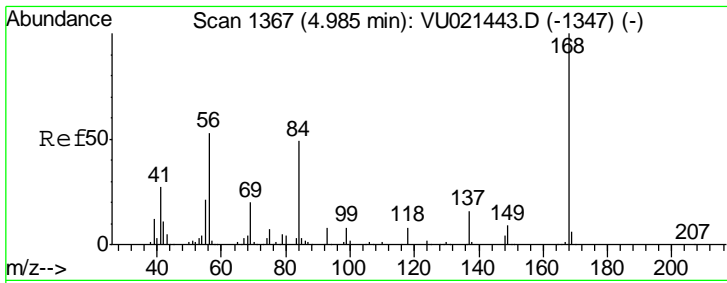
Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021464.D
 Acq On : 04 Jan 2018 10:35
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sample Id :
 VSTDCCC050

Quant Time: Jan 04 13:03:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration



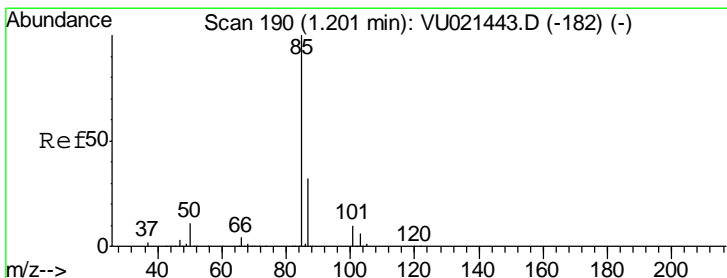
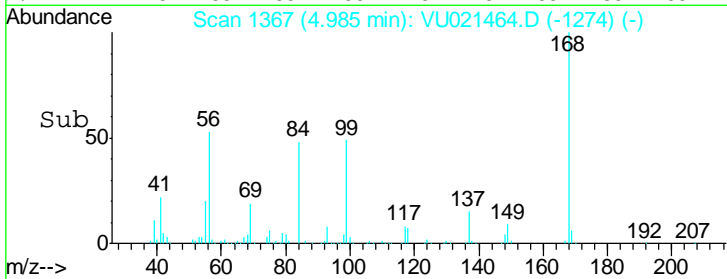
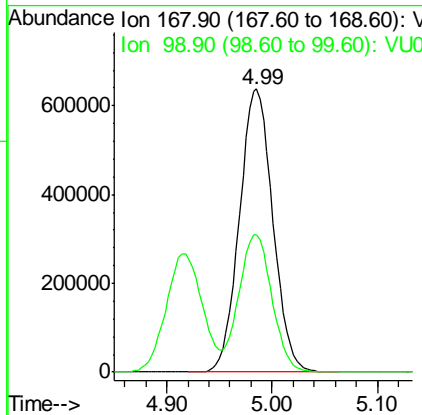
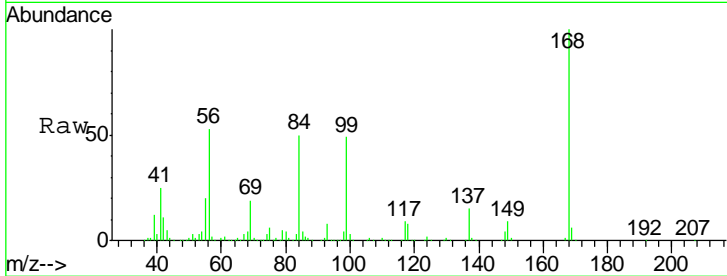
- 1
- 2
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- 8
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- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

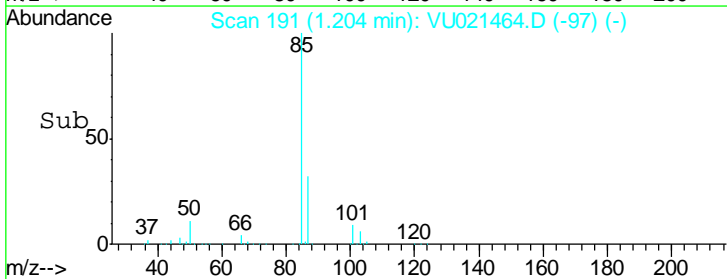
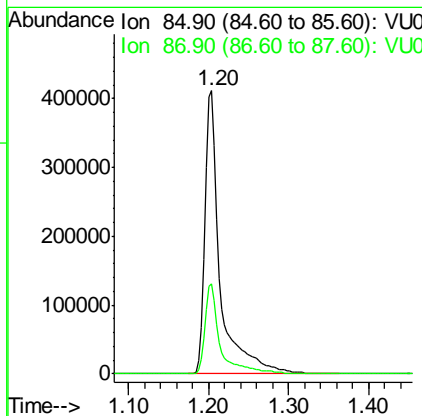
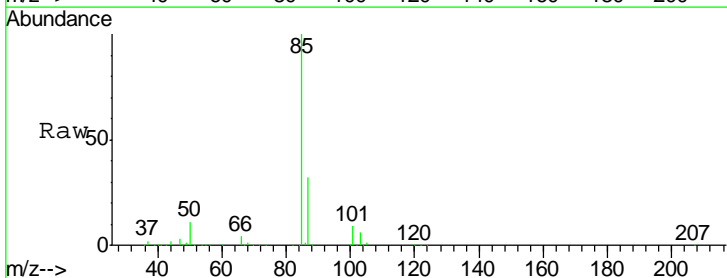
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

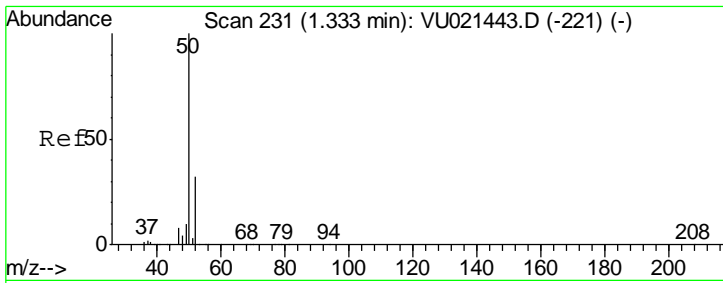
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.6	39.4	59.2



#2
 Dichlorodifluoromethane
 Concen: 47.88 ug/l
 RT: 1.20 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.0	16.1	48.3

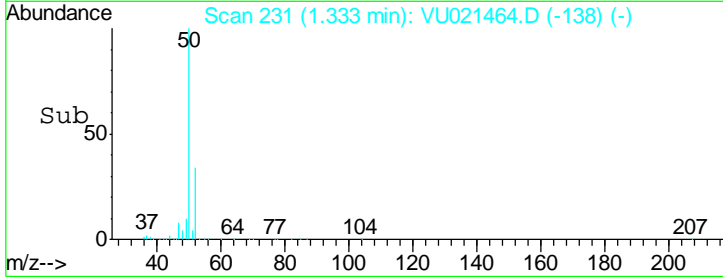
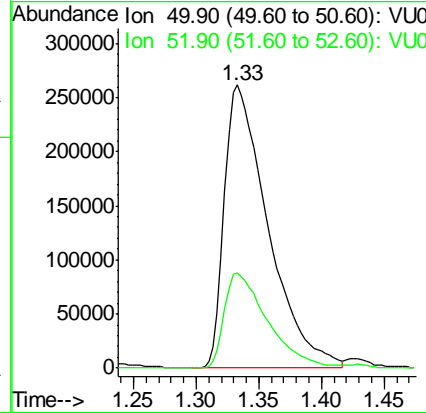
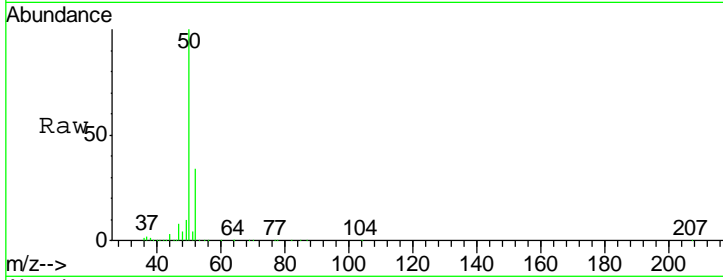




#3
 Chloromethane
 Concen: 45.78 ug/l
 RT: 1.33 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

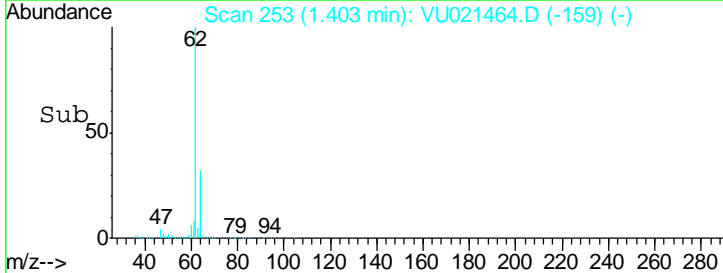
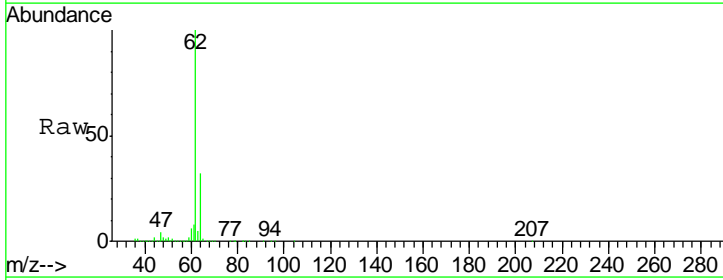
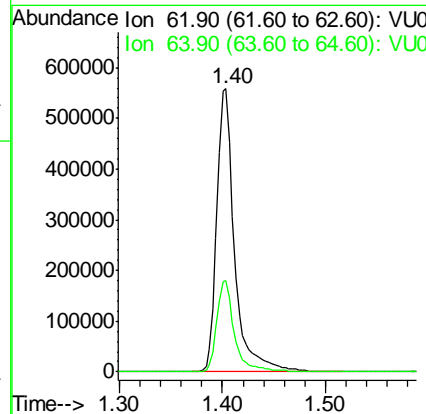
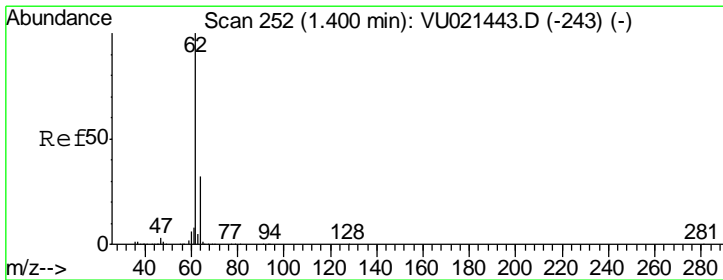
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

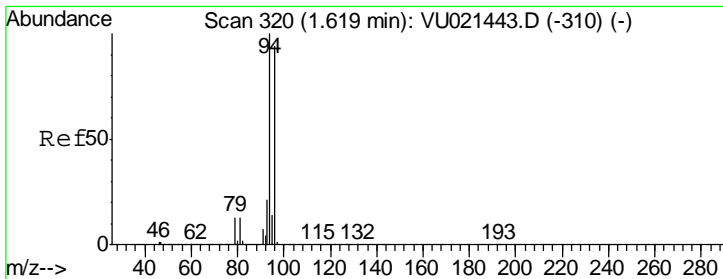
Tgt Ion	Resp	Lower	Upper
50	631403		
52	33.8	25.9	38.9



#4
 Vinyl Chloride
 Concen: 48.22 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
62	671230		
64	32.2	25.4	38.0

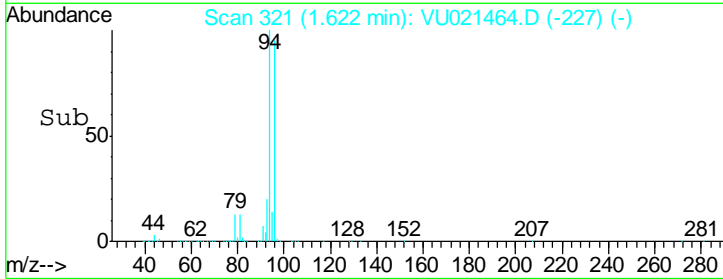
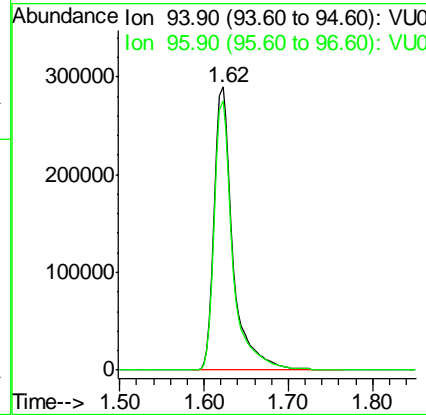
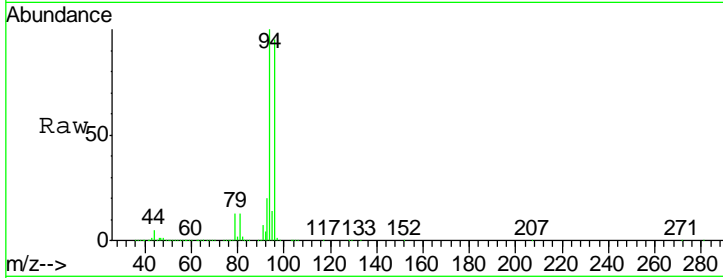




#5
 Bromomethane
 Concen: 45.10 ug/l
 RT: 1.62 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

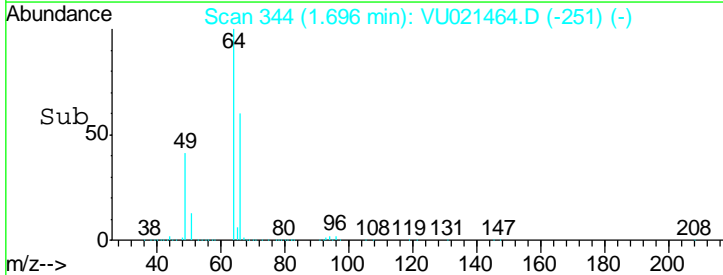
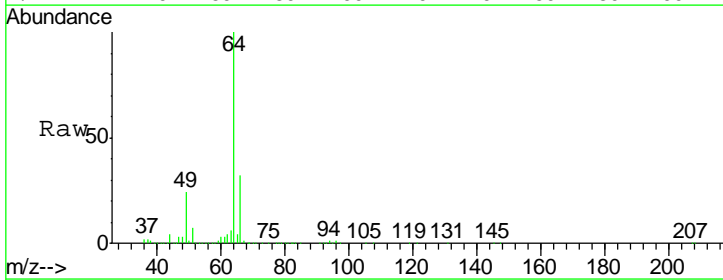
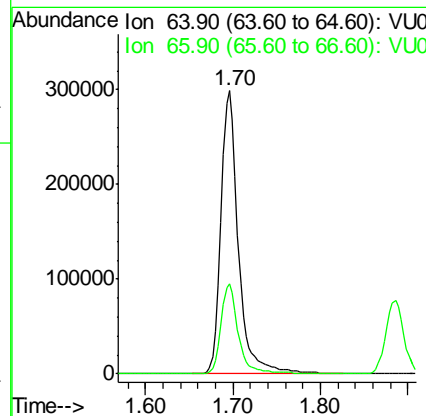
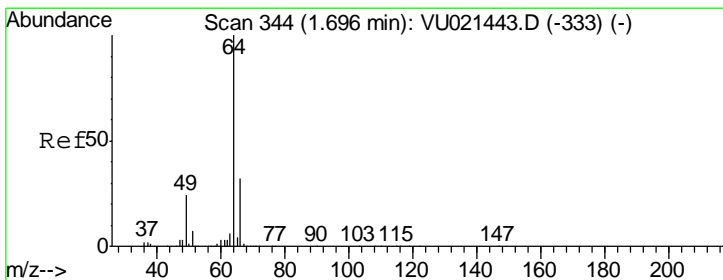
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

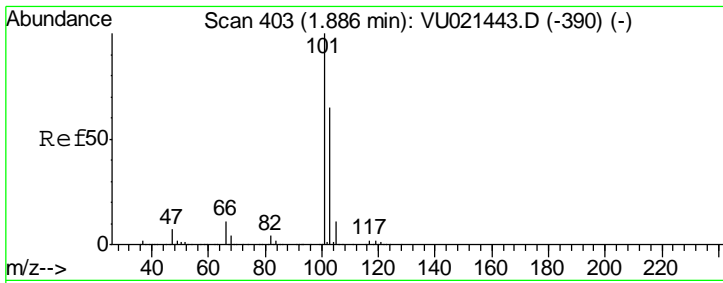
Tgt Ion	Resp	Lower	Upper
94	440236		
96	95.1	75.2	112.8



#6
 Chloroethane
 Concen: 50.00 ug/l
 RT: 1.70 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
64	415390		
66	32.0	25.8	38.8

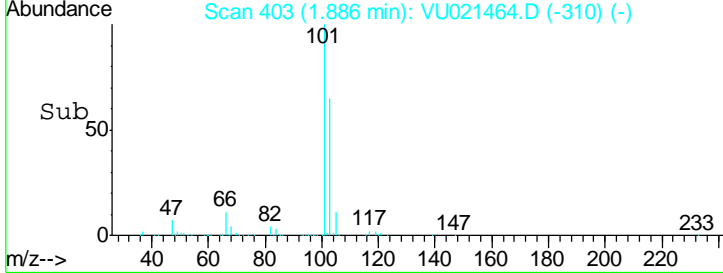
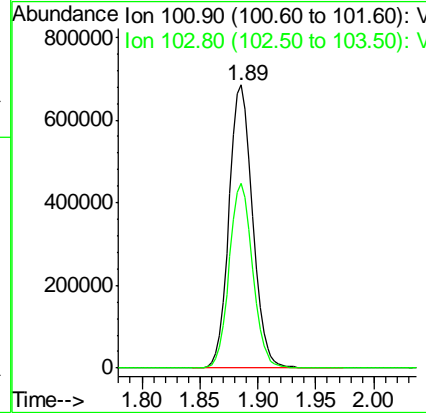
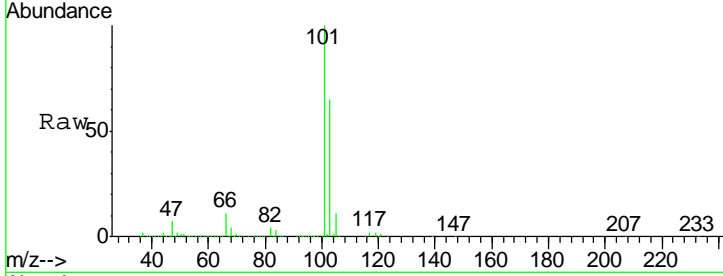




#7
 Trichlorofluoromethane
 Concen: 48.92 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

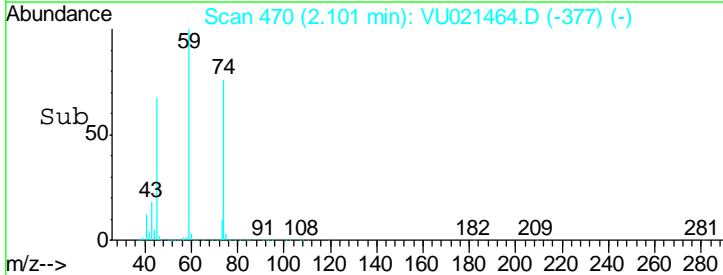
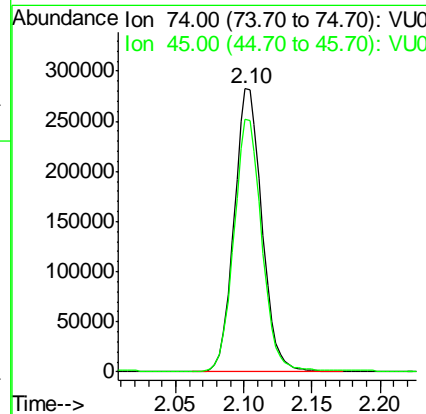
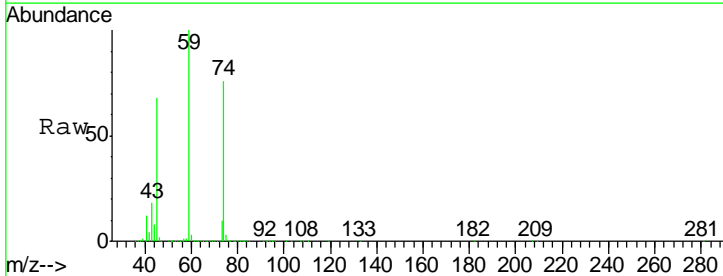
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

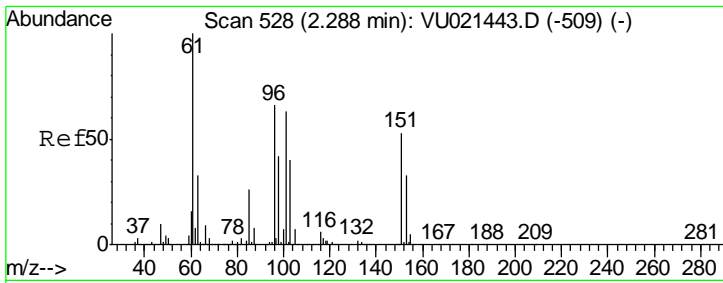
Tgt Ion	Resp	Lower	Upper
101	965460		
103	65.1	52.2	78.2



#8
 Diethyl Ether
 Concen: 48.92 ug/l
 RT: 2.10 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
74	400601		
45	88.6	44.0	132.0

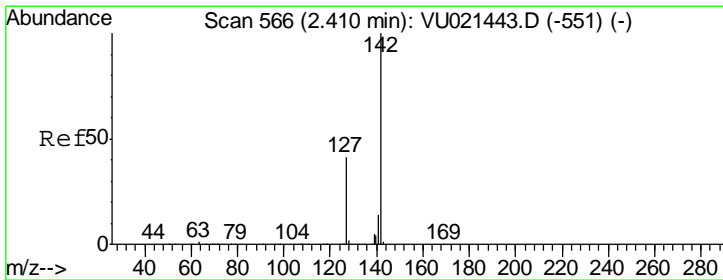
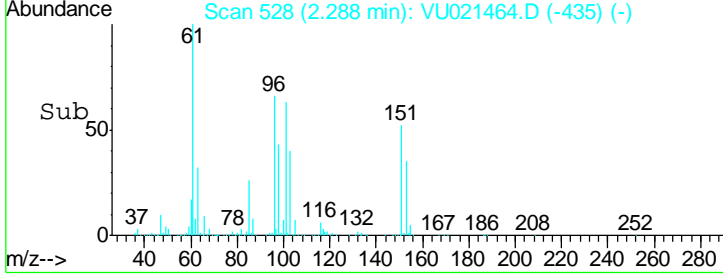
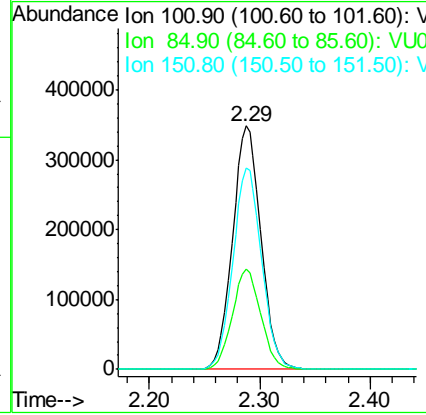
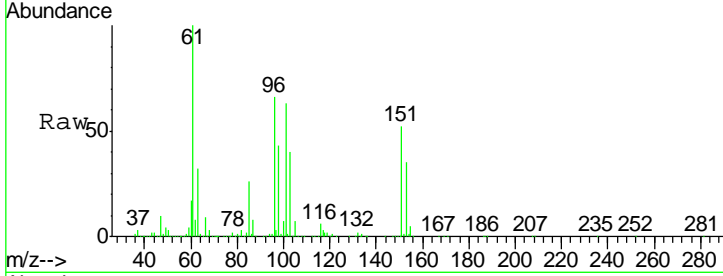




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.19 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

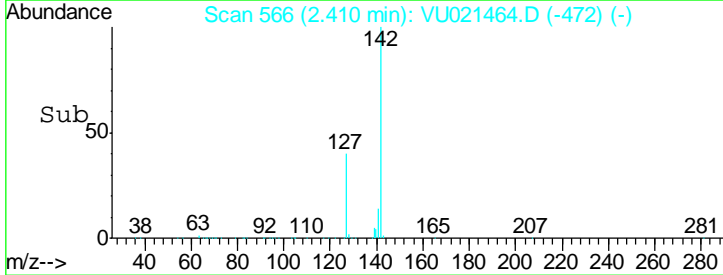
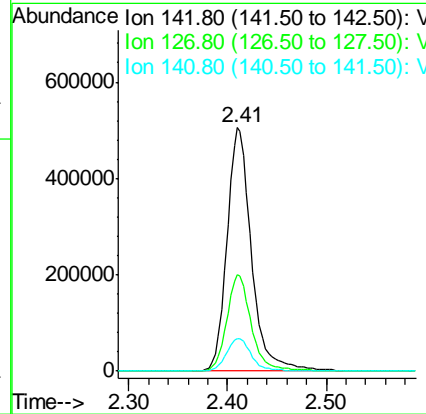
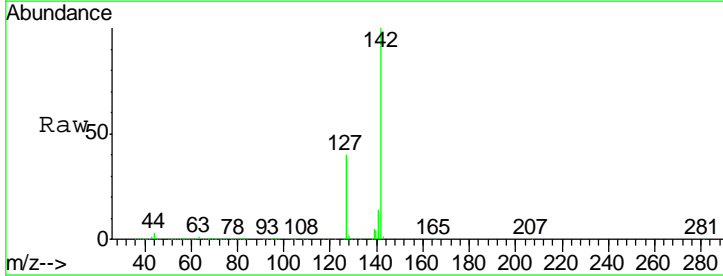
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

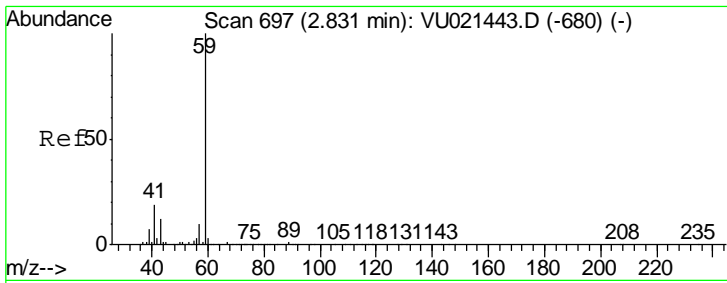
Tgt Ion	Resp	Lower	Upper
101	100		
85	41.2	33.2	49.8
151	83.7	67.1	100.7



#10
 Methyl Iodide
 Concen: 50.05 ug/l
 RT: 2.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
142	100		
127	40.0	32.2	48.4
141	13.8	11.3	16.9

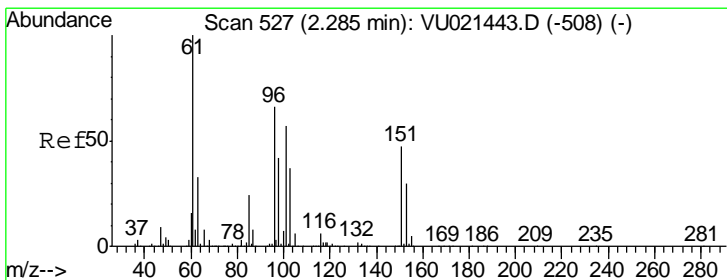
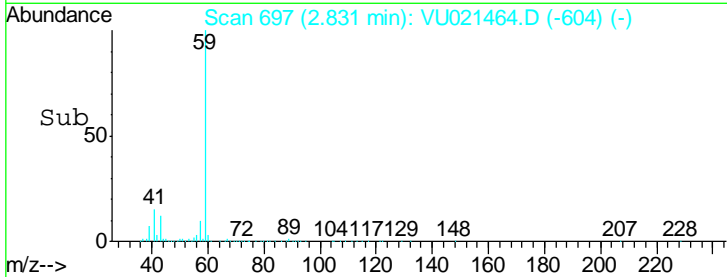
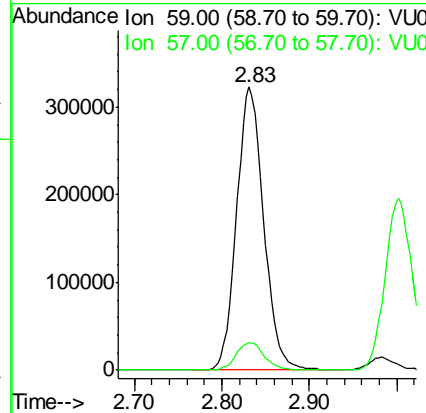
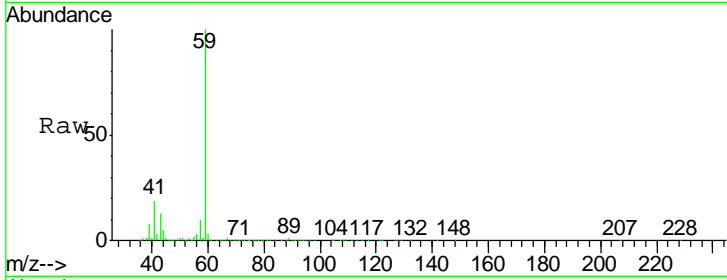




#11
 Tert butyl alcohol
 Concen: 232.79 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

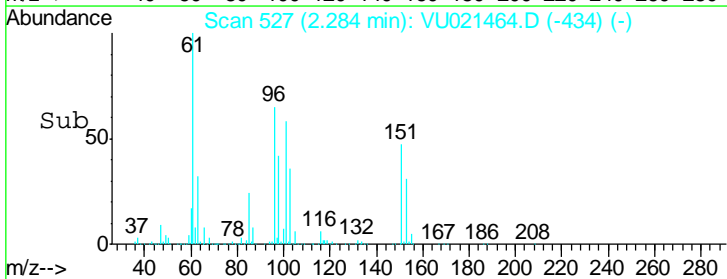
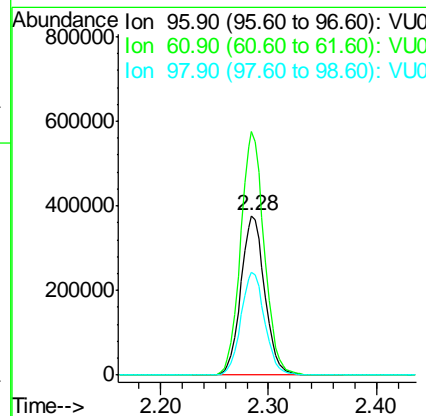
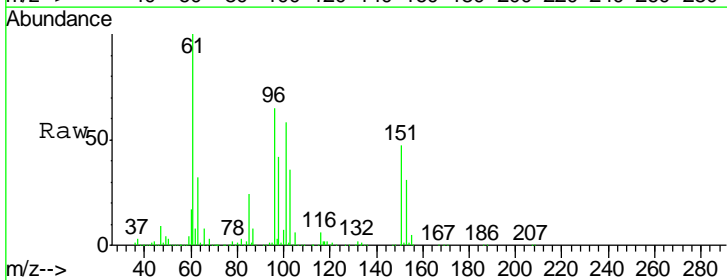
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

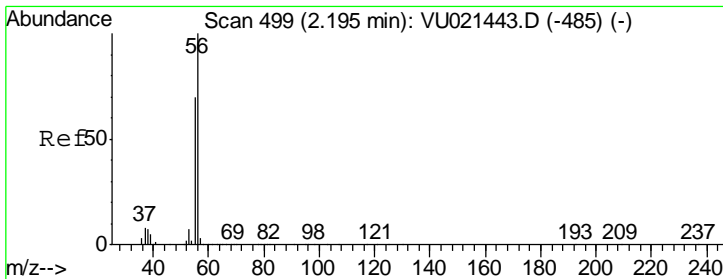
Tgt Ion	Resp	Lower	Upper
59	693134		
57	9.8	7.7	11.5



#12
 1,1-Dichloroethene
 Concen: 49.11 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
96	579194		
61	152.7	121.5	182.3
98	64.8	50.9	76.3

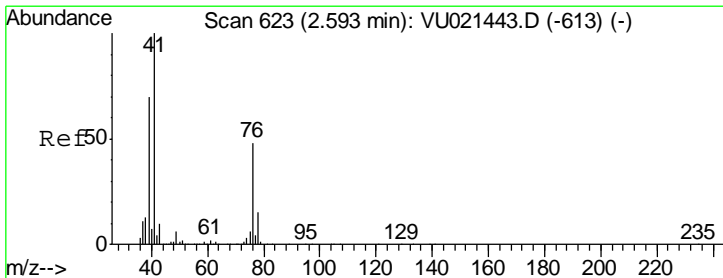
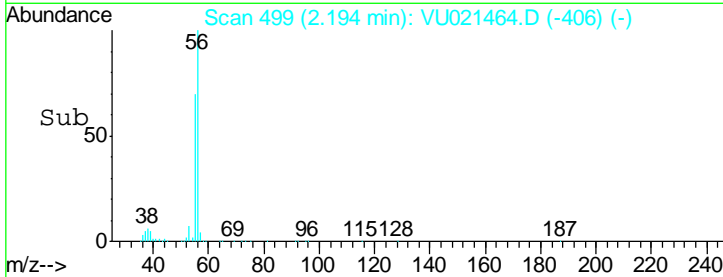
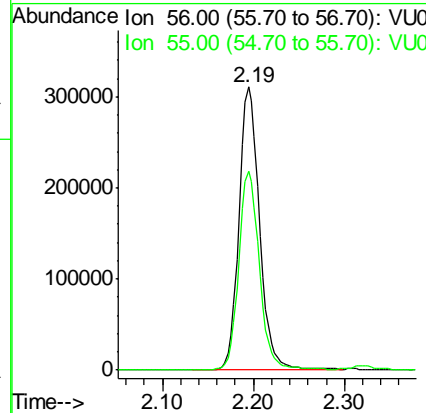
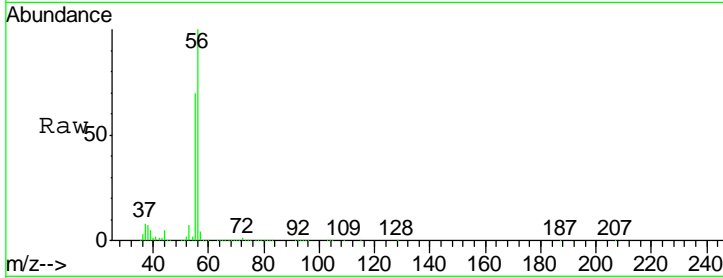




#13
 Acrolein
 Concen: 227.73 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

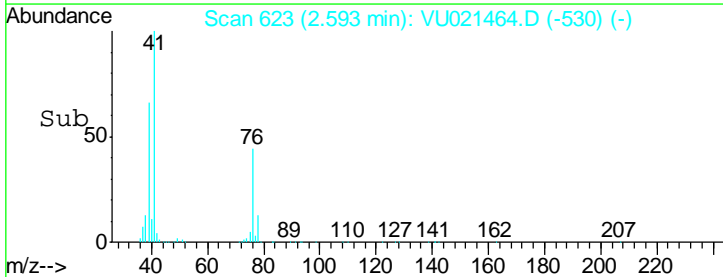
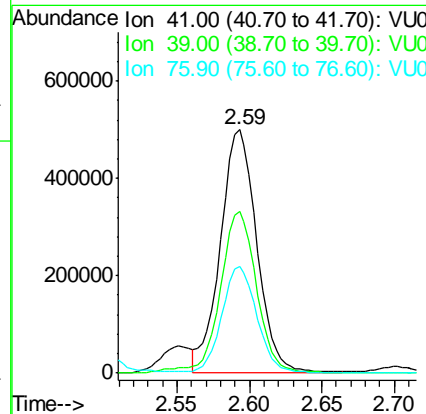
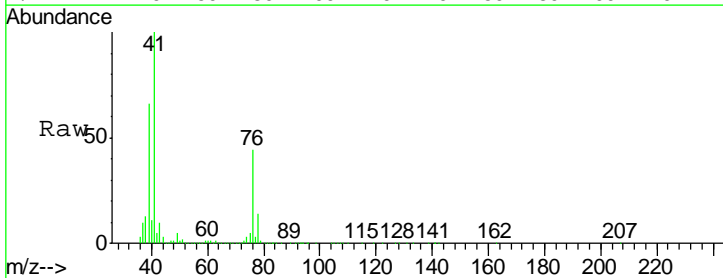
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

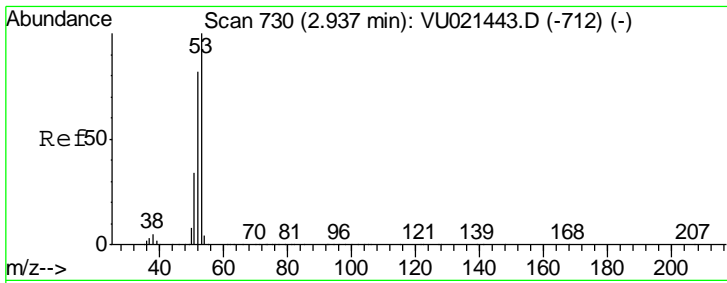
Tgt Ion	Resp	Lower	Upper
56	100		
55	70.4	56.5	84.7



#14
 Allyl chloride
 Concen: 47.96 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
41	100		
39	66.0	52.7	79.1
76	42.4	34.0	51.0

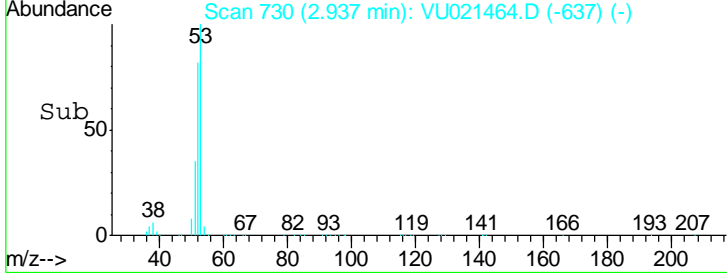
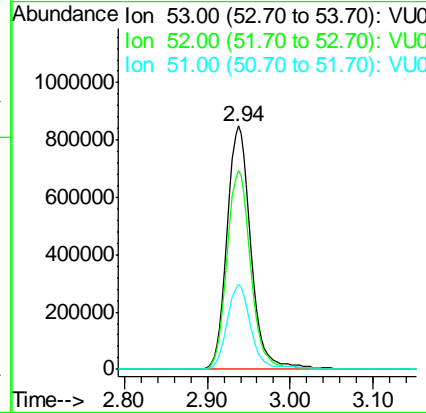
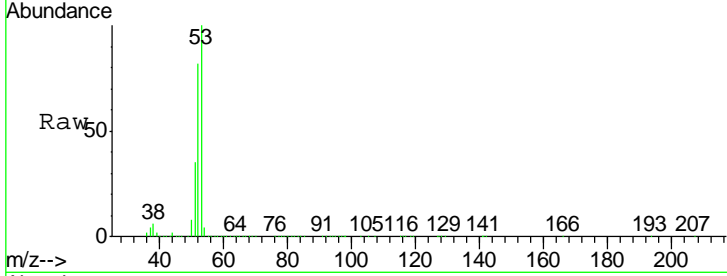




#15
 Acrylonitrile
 Concen: 247.05 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

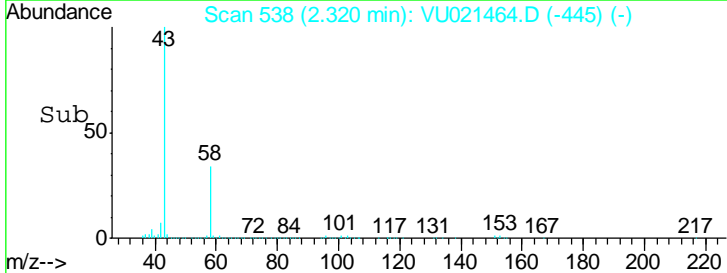
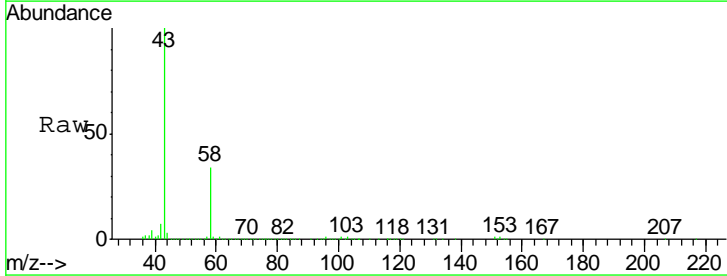
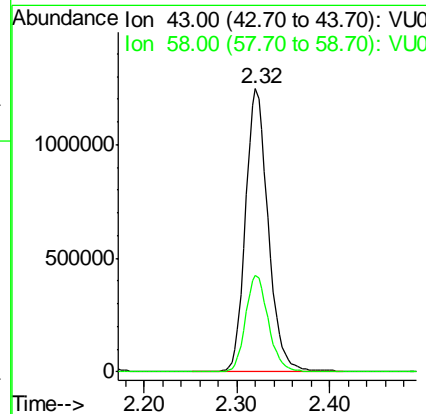
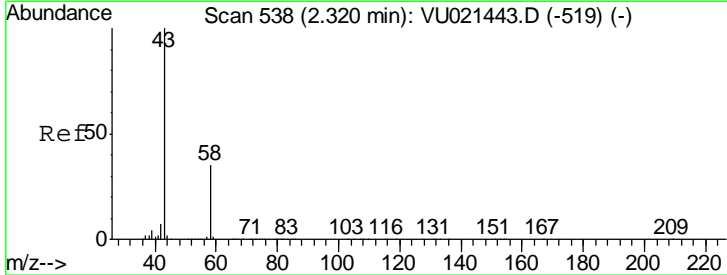
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

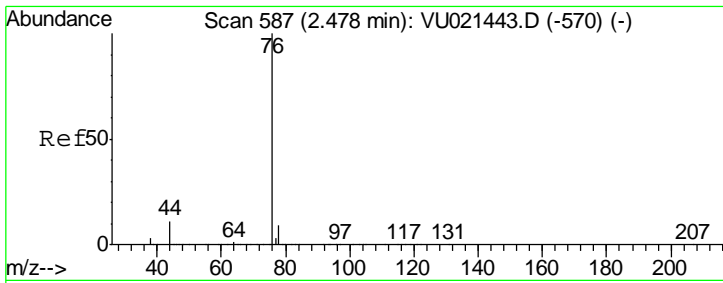
Tgt Ion	Resp	Lower	Upper
53	1692738		
52	82.0	64.9	97.3
51	35.0	27.0	40.4



#16
 Acetone
 Concen: 297.00 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
43	2113973		
58	34.2	27.8	41.8

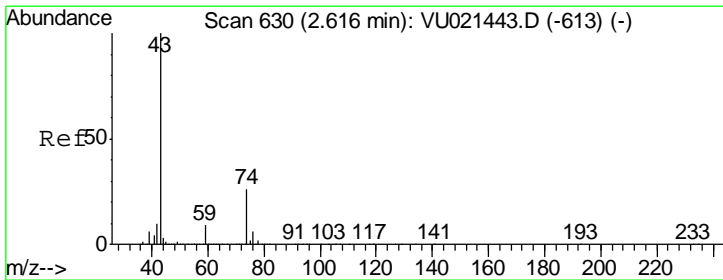
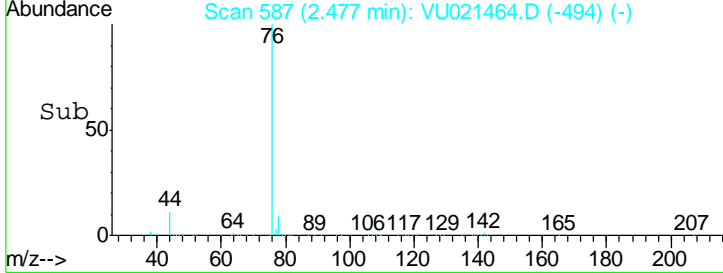
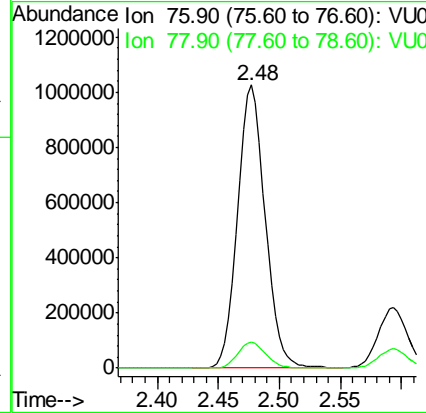
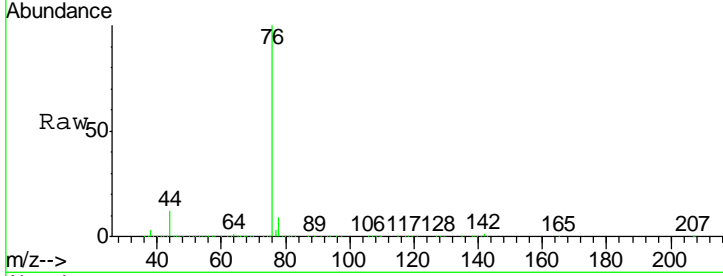




#17
 Carbon Disulfide
 Concen: 47.83 ug/l
 RT: 2.48 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

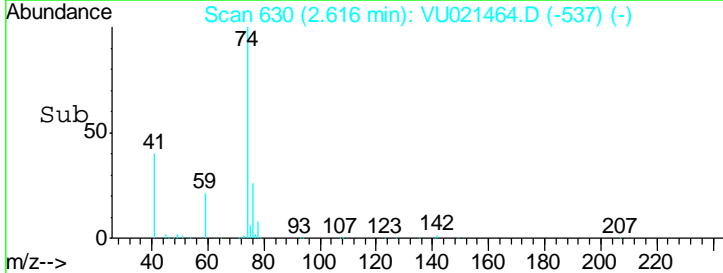
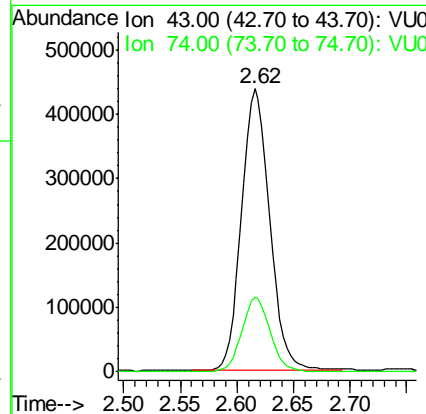
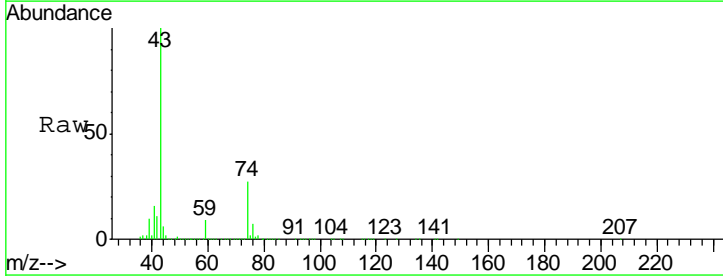
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

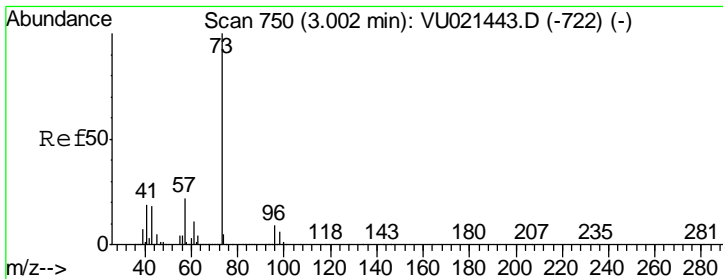
Tgt Ion	Resp	Lower	Upper
76	1614195		
78	9.2	7.1	10.7



#18
 Methyl Acetate
 Concen: 50.24 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
43	763131		
74	26.5	21.3	31.9

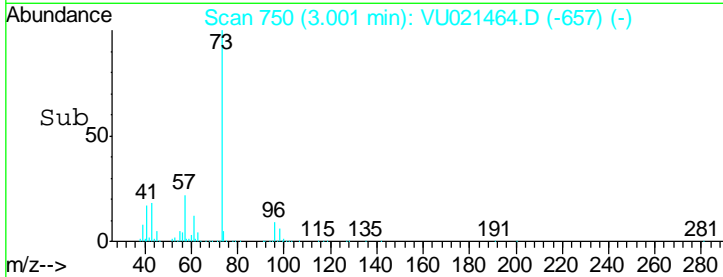
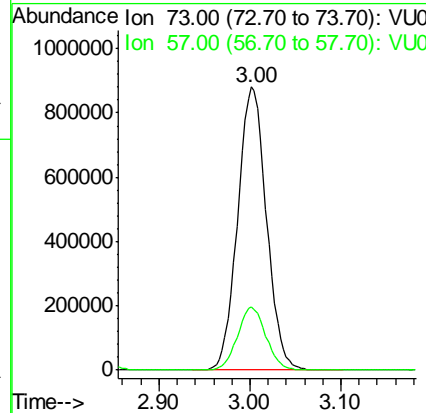
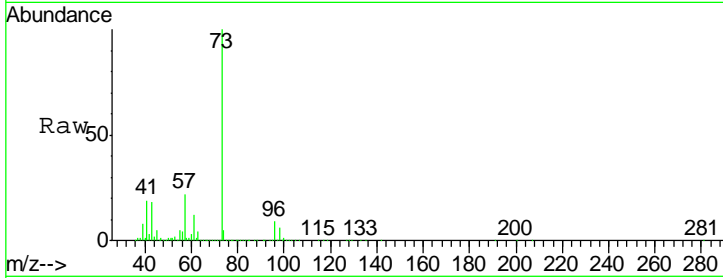




#19
 Methyl tert-butyl Ether
 Concen: 48.59 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

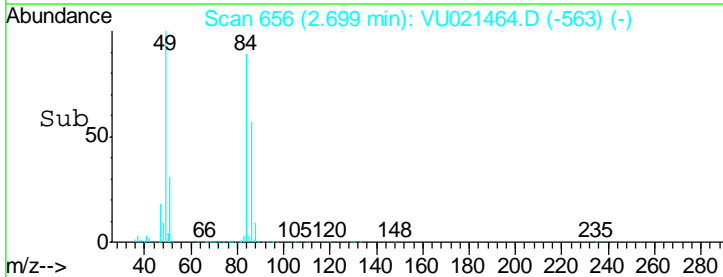
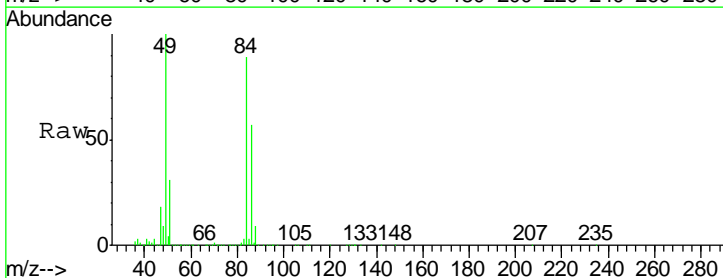
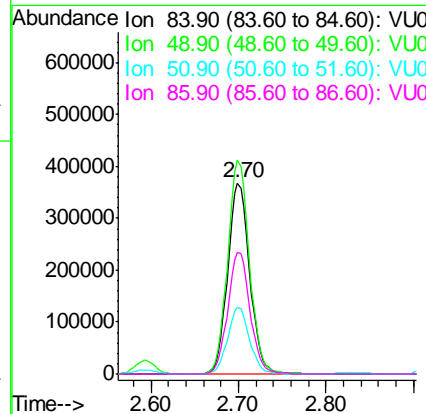
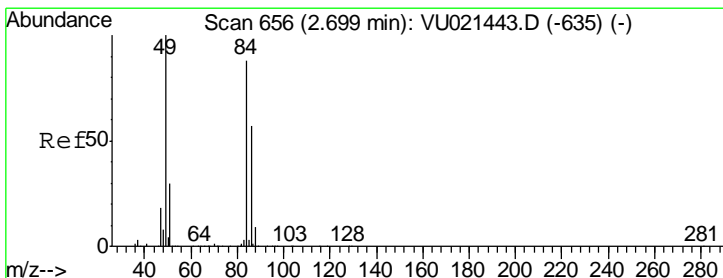
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

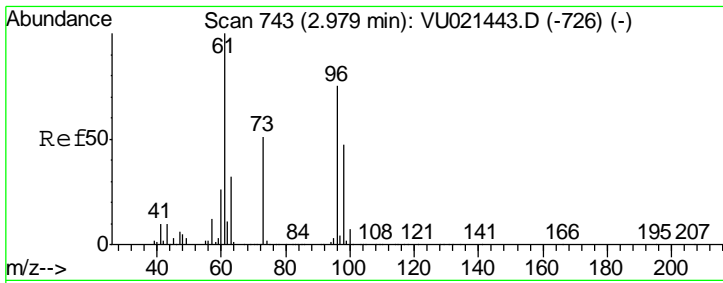
Tgt Ion	Resp	Lower	Upper
73	1930413		
57	22.2	17.6	26.4



#20
 Methylene Chloride
 Concen: 48.14 ug/l
 RT: 2.70 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
84	641696		
49	112.0	90.4	135.6
51	34.8	27.4	41.2
86	64.1	51.5	77.3

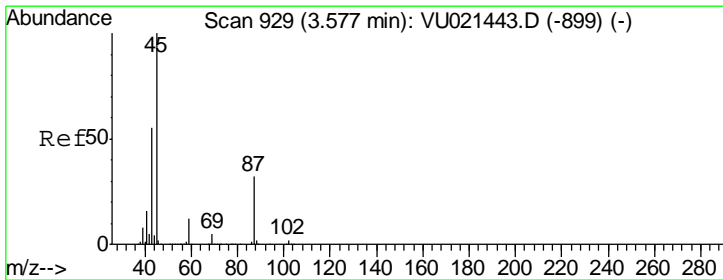
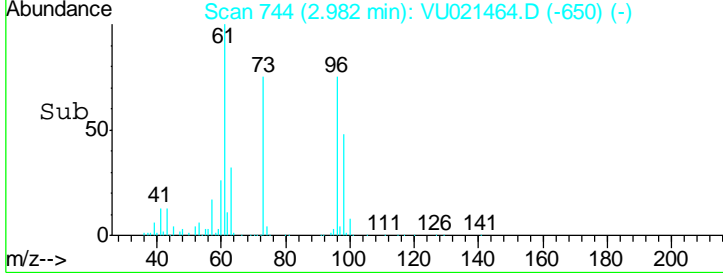
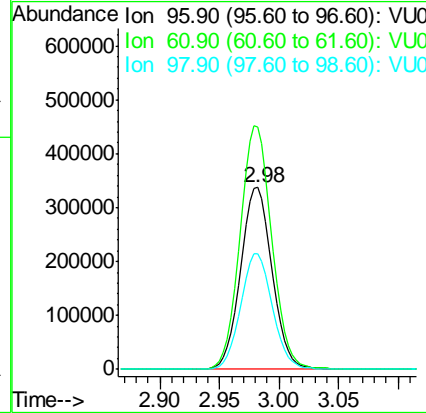
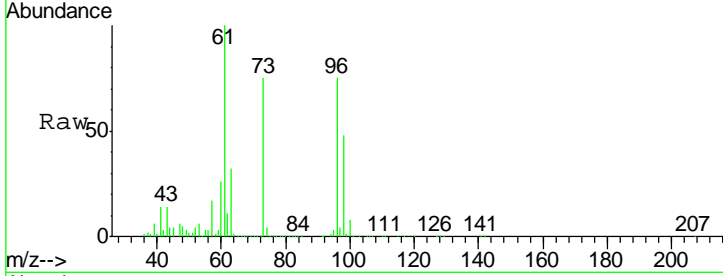




#21
 trans-1,2-Dichloroethene
 Concen: 49.13 ug/l
 RT: 2.98 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

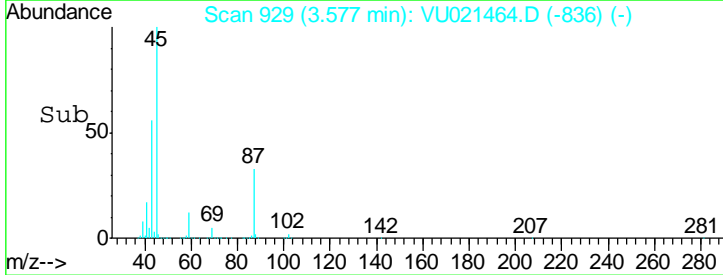
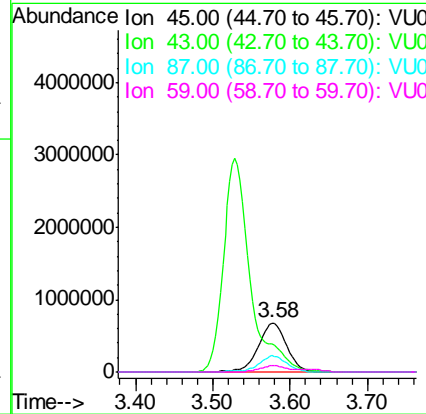
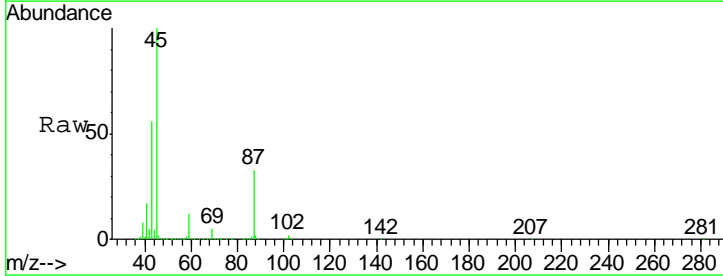
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

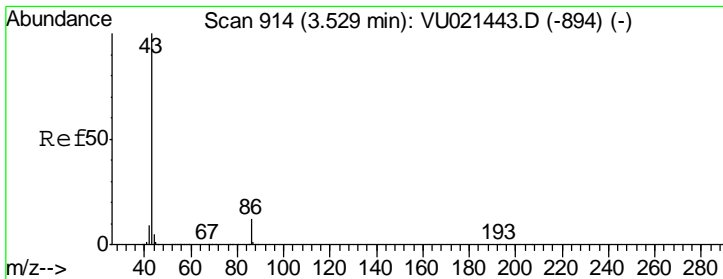
Tgt Ion	Resp	Lower	Upper
96	620629		
Ion Ratio			
96	100		
61	133.3	106.2	159.4
98	63.9	49.6	74.4



#22
 Diisopropyl ether
 Concen: 48.77 ug/l
 RT: 3.58 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
45	1732949		
Ion Ratio			
45	100		
43	56.0	44.2	66.2
87	32.5	25.8	38.6
59	12.4	10.0	15.0



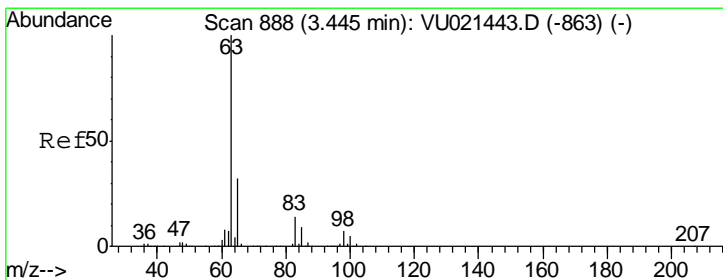
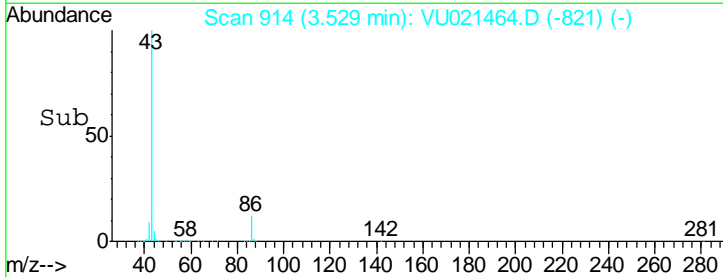
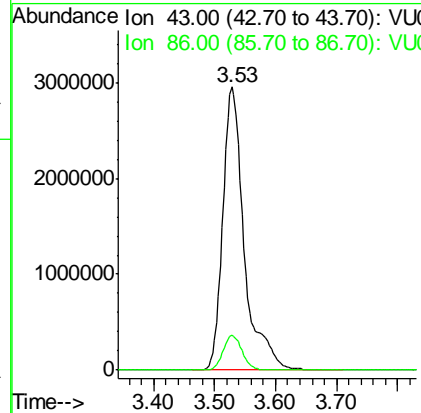
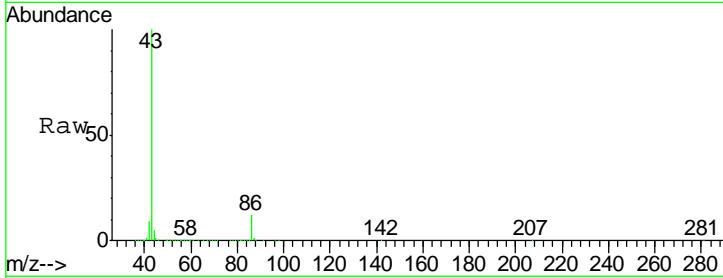


#23
 Vinyl Acetate
 Concen: 253.46 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

Tgt Ion: 43 Resp: 7176030

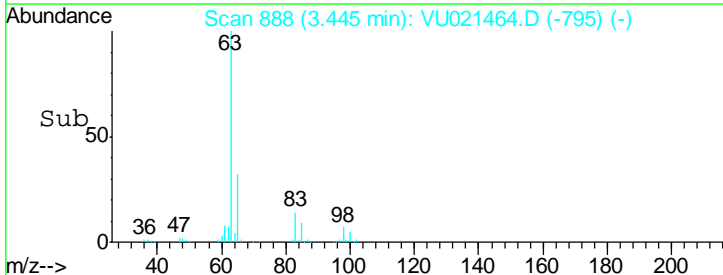
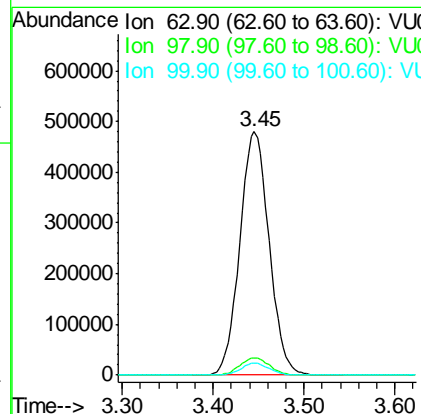
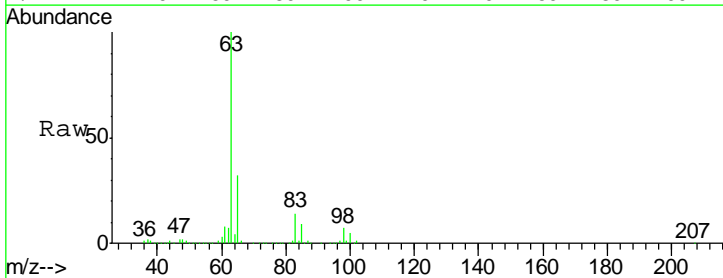
Ion	Ratio	Lower	Upper
43	100		
86	12.4	9.8	14.6

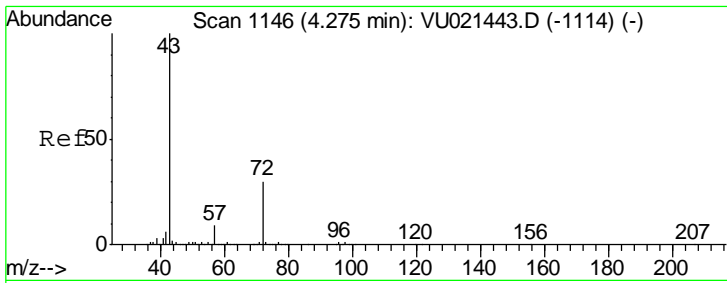


#24
 1,1-Dichloroethane
 Concen: 48.57 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion: 63 Resp: 1072751

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.6
100	4.8	2.3	6.9

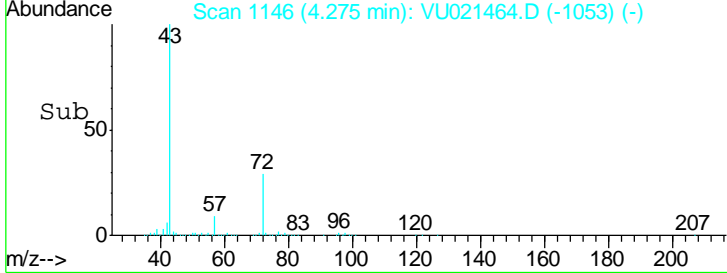
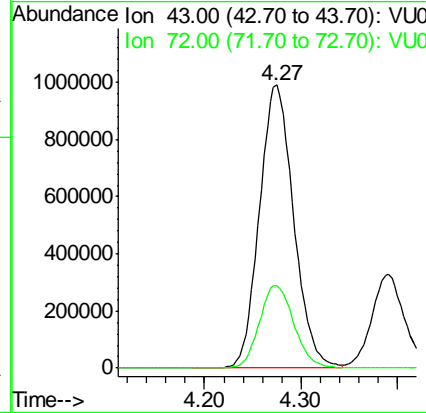
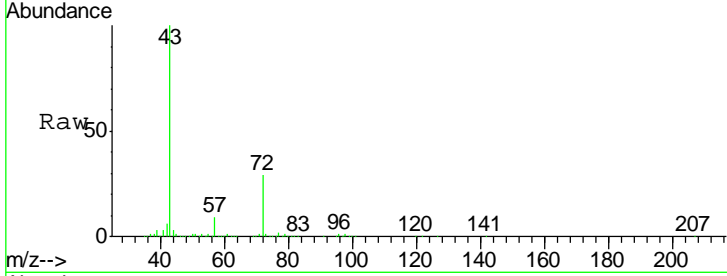




#25
 2-Butanone
 Concen: 268.50 ug/l
 RT: 4.27 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

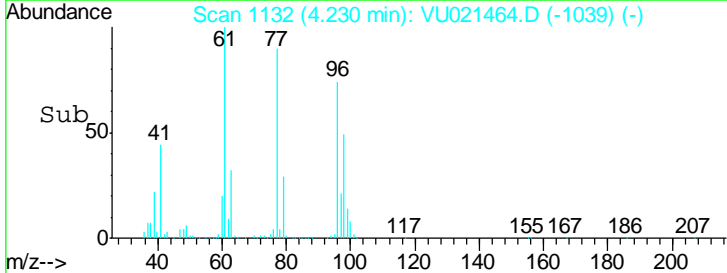
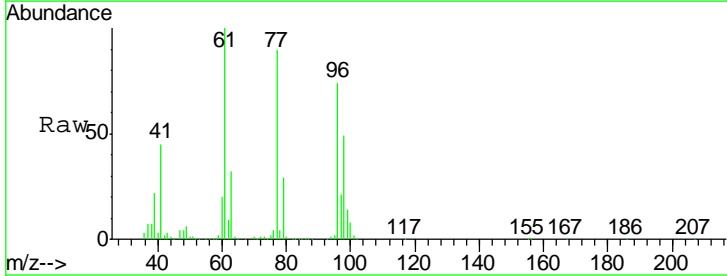
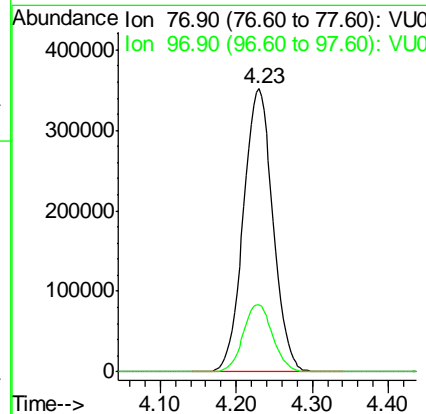
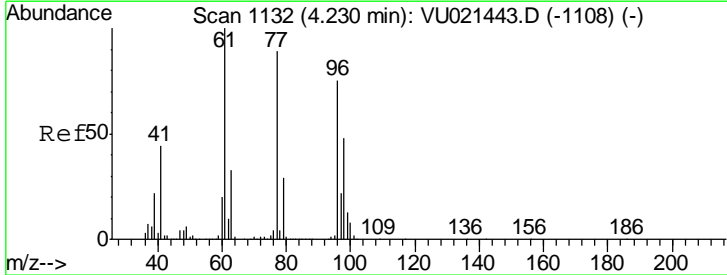
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

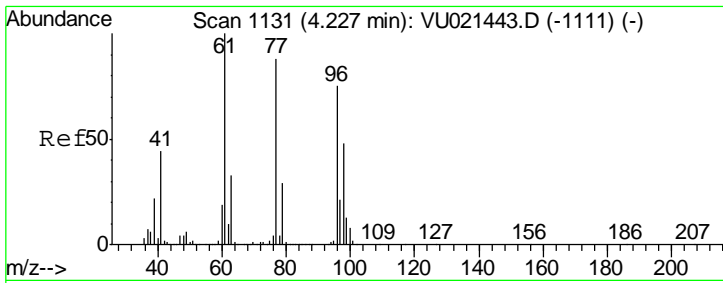
Tgt Ion	Resp	Lower	Upper
43	100		
72	29.2	23.7	35.5



#26
 2,2-Dichloropropane
 Concen: 50.17 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.7	12.0	36.1

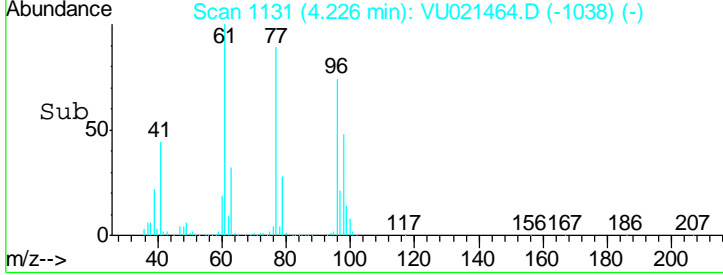
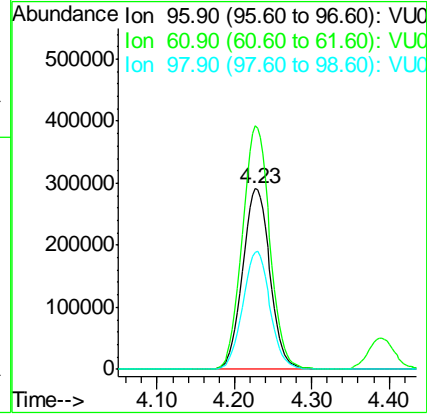
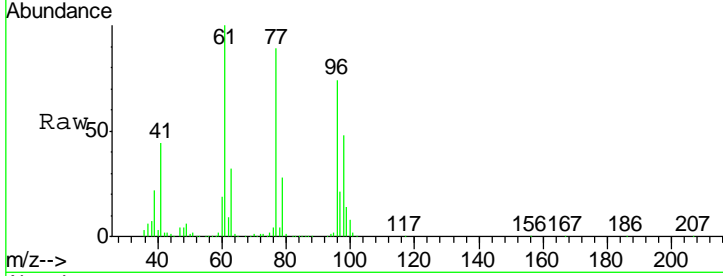




#27
 cis-1,2-Dichloroethene
 Concen: 48.58 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

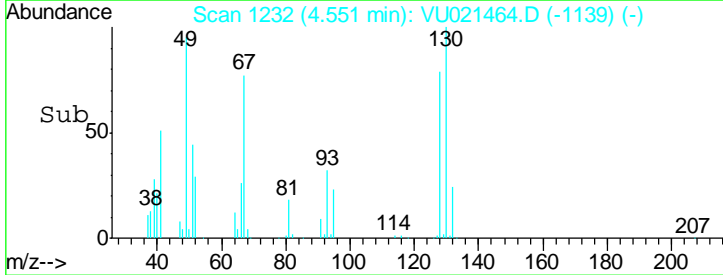
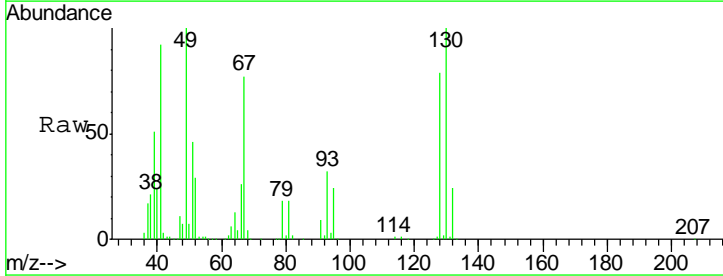
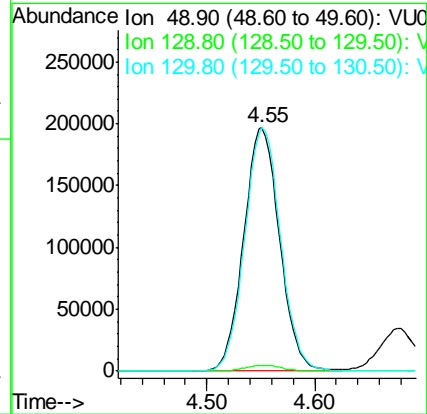
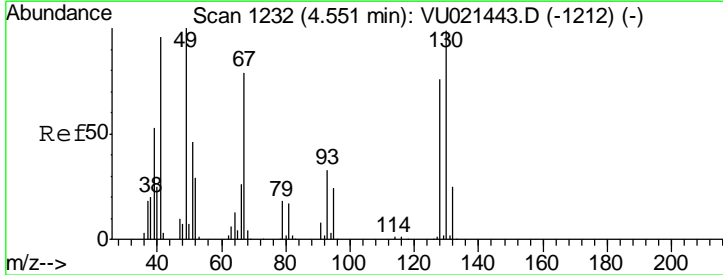
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

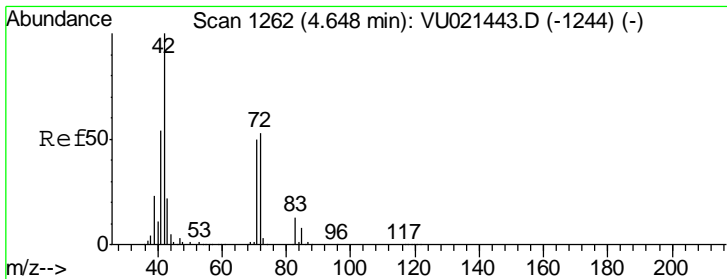
Tgt Ion	Resp	Lower	Upper
96	713179		
Ion Ratio			
96	100		
61	135.6	0.0	270.2
98	64.7	0.0	128.2



#28
 Bromochloromethane
 Concen: 49.42 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
49	455010		
Ion Ratio			
49	100		
129	2.4	0.0	4.8
130	100.0	79.1	118.7

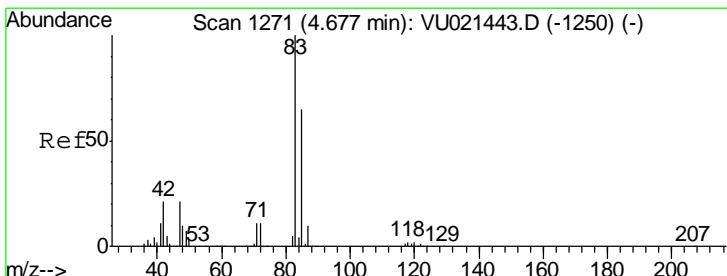
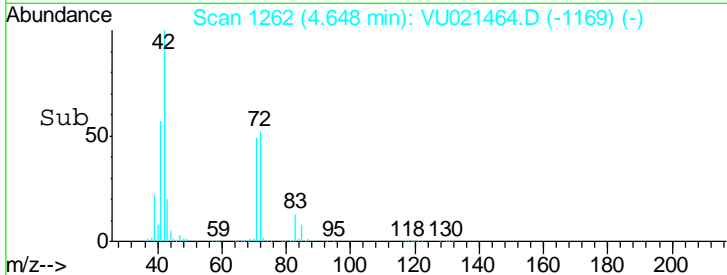
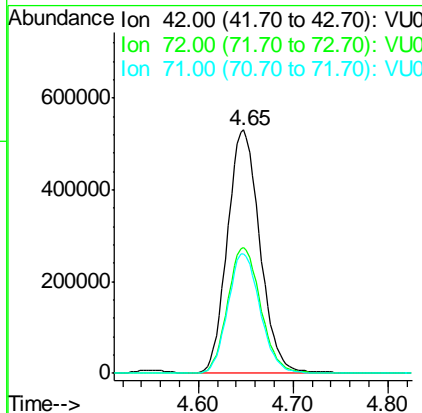
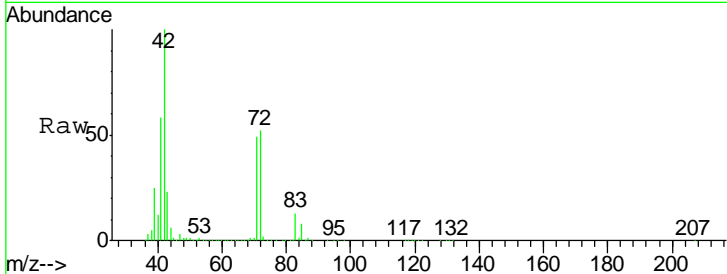




#29
 Tetrahydrofuran
 Concen: 239.26 ug/l
 RT: 4.65 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

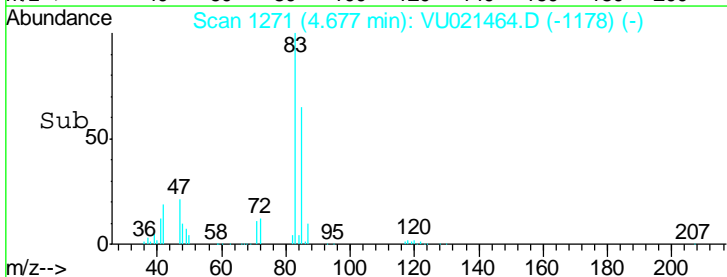
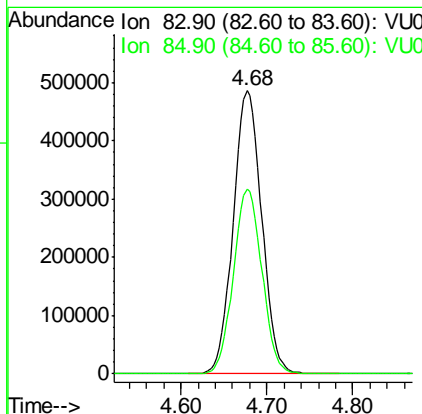
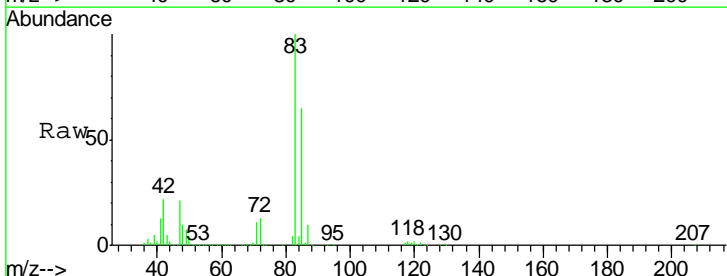
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

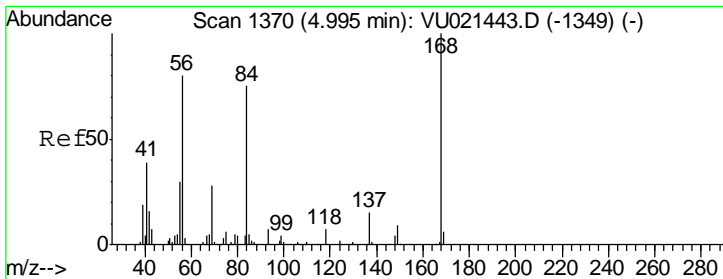
Tgt Ion	Resp	Lower	Upper
42	1261993		
72	52.5	42.0	63.0
71	49.2	39.4	59.2



#30
 Chloroform
 Concen: 49.29 ug/l
 RT: 4.68 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
83	1119507		
85	65.3	52.1	78.1

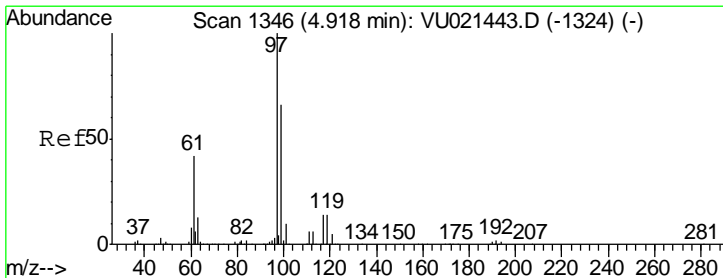
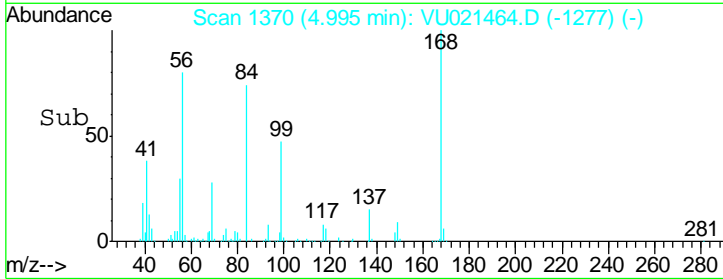
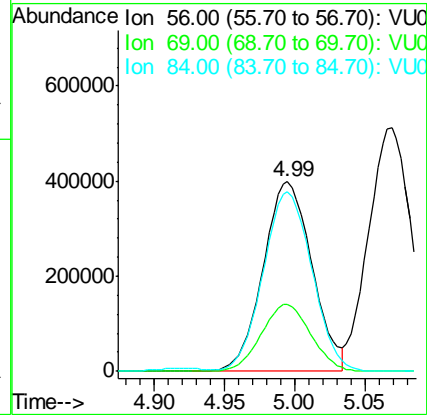
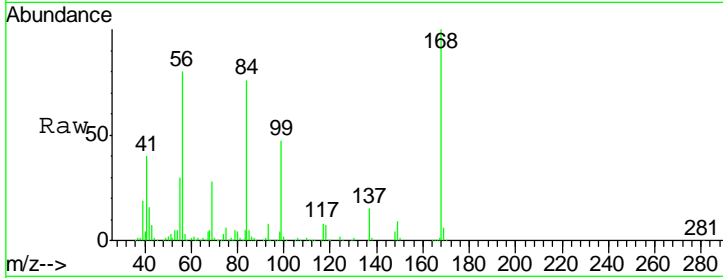




#31
 Cyclohexane
 Concen: 49.73 ug/l
 RT: 4.99 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

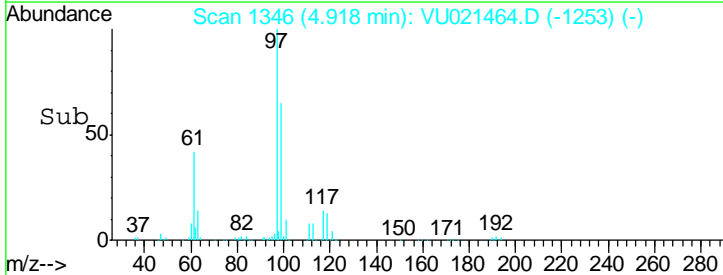
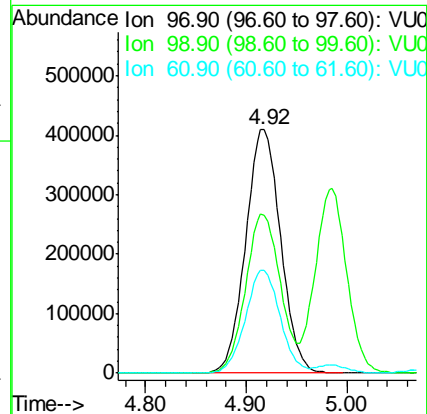
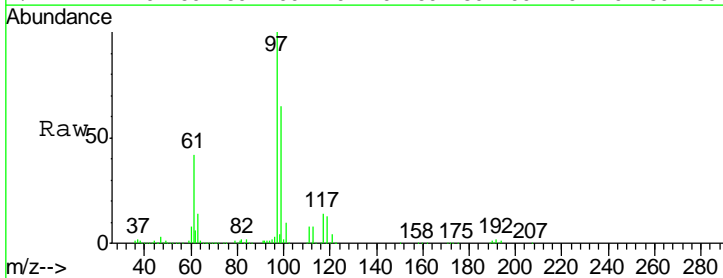
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

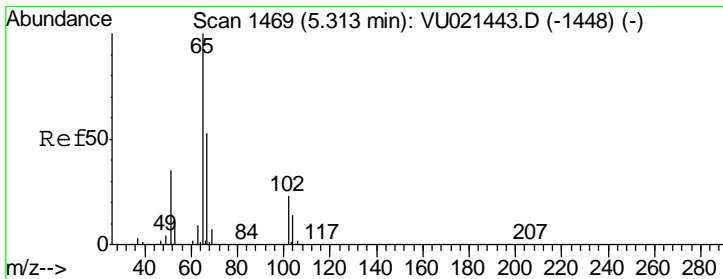
Tgt Ion	Resp	Lower	Upper
56	100		
69	35.3	28.3	42.5
84	93.3	75.6	113.4



#32
 1,1,1-Trichloroethane
 Concen: 49.25 ug/l
 RT: 4.92 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
97	100		
99	65.9	51.8	77.6
61	42.0	33.1	49.7

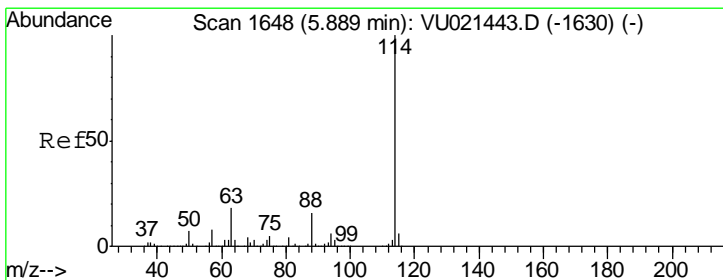
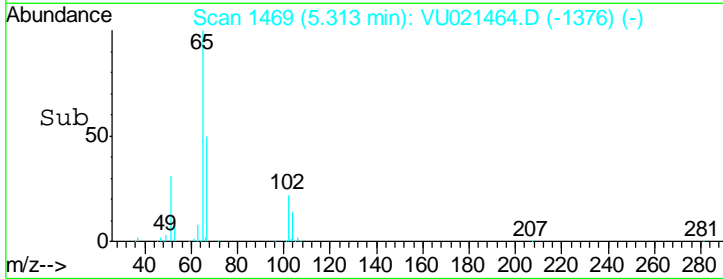
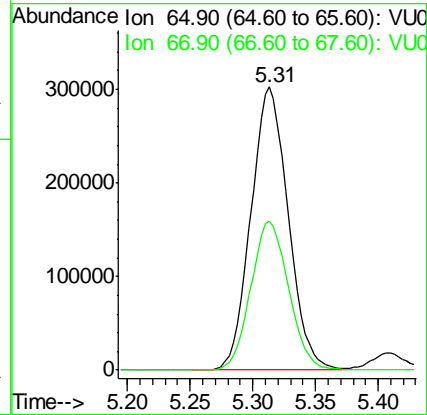
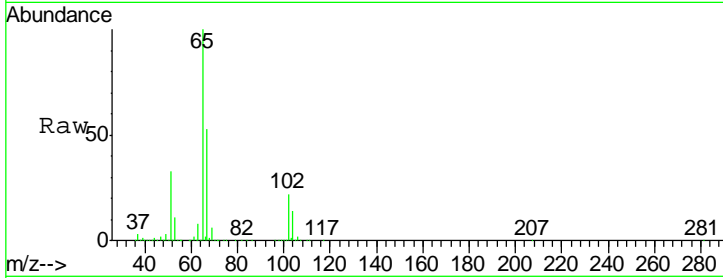




#33
 1,2-Dichloroethane-d4
 Concen: 52.32 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

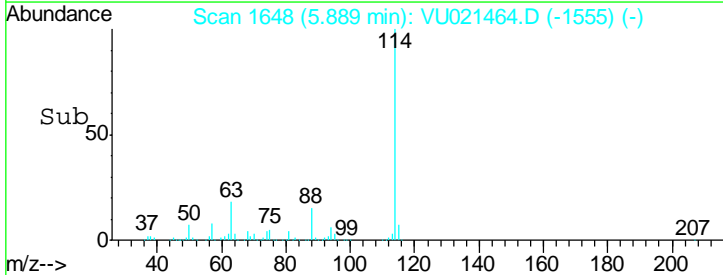
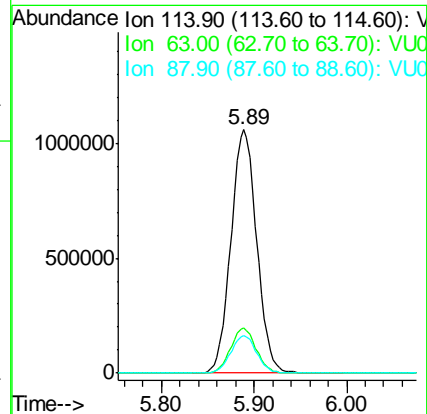
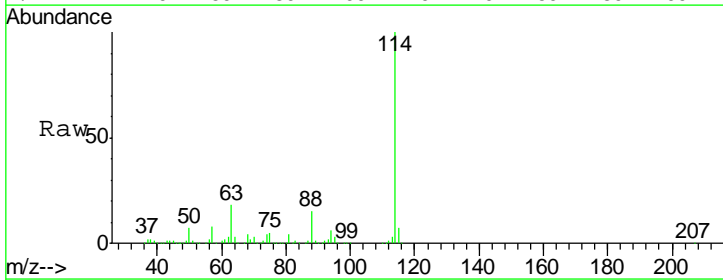
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

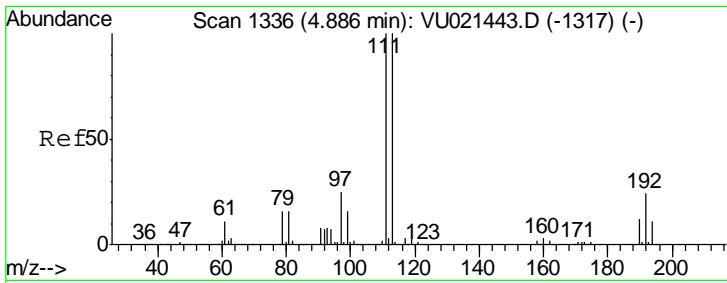
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.1	0.0	106.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.4	0.0	36.6
88	15.3	0.0	31.2

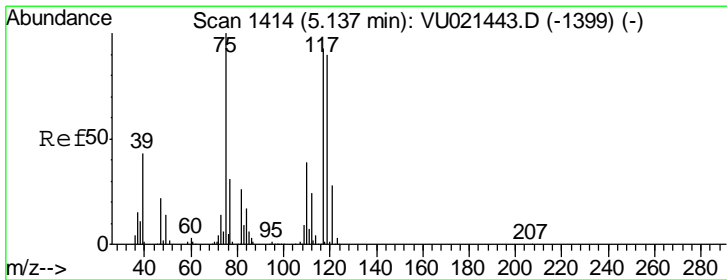
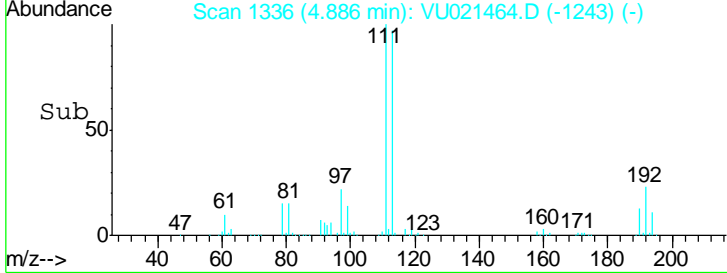
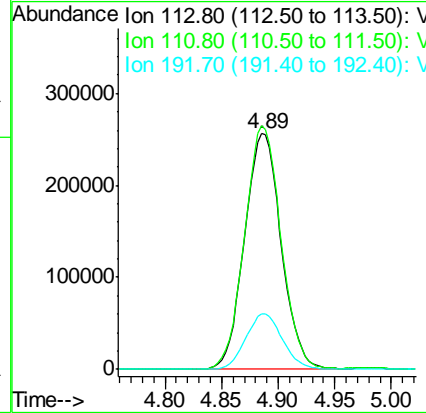
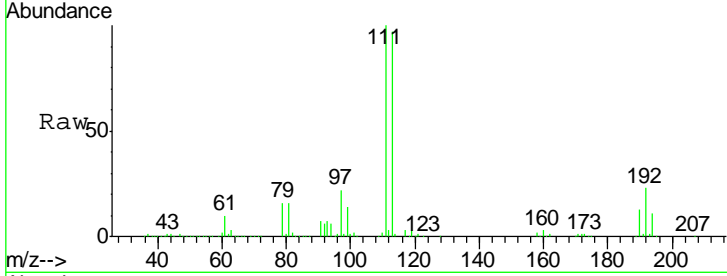




#35
 Dibromofluoromethane
 Concen: 51.28 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

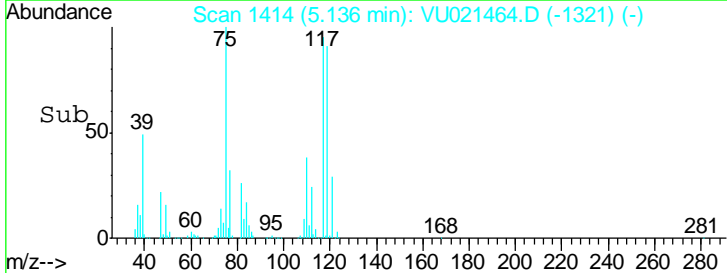
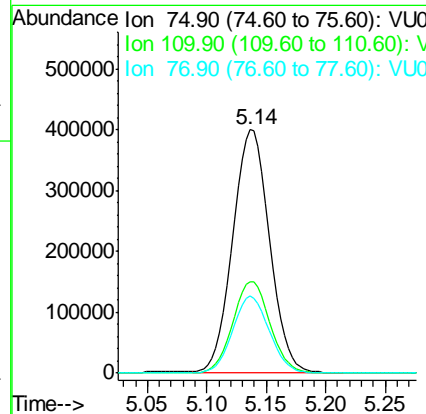
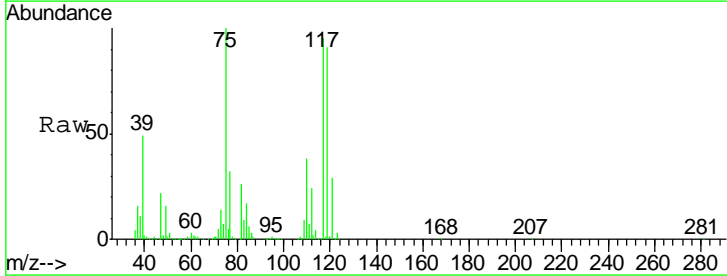
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

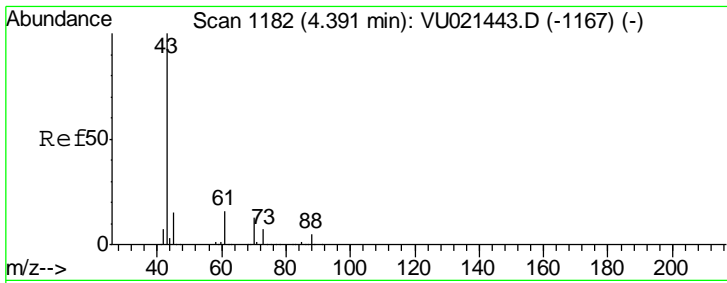
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.5	82.2	123.2
192	23.5	19.0	28.4



#36
 1,1-Dichloropropene
 Concen: 49.10 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
75	100		
110	38.2	19.3	57.9
77	31.3	24.9	37.3

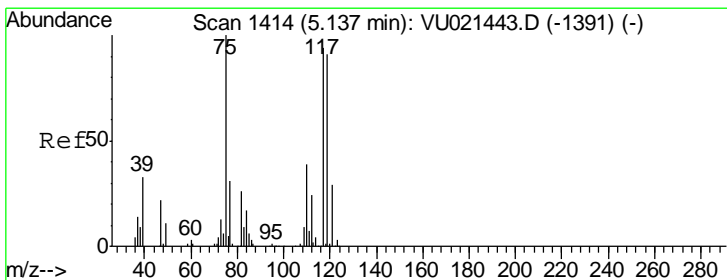
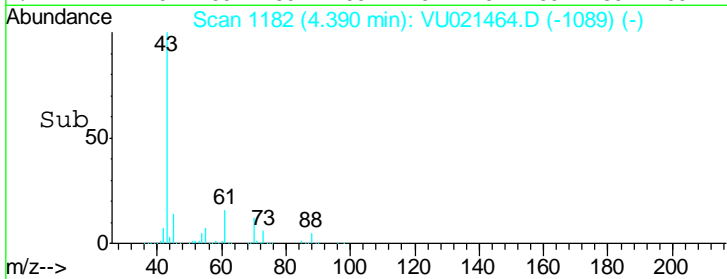
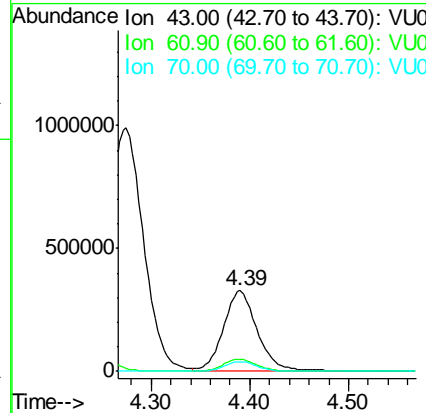
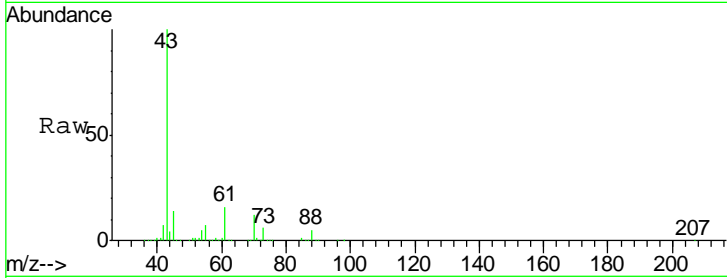




#37
 Ethyl Acetate
 Concen: 50.05 ug/l
 RT: 4.39 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

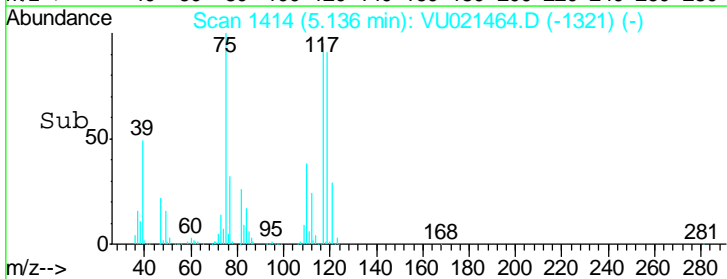
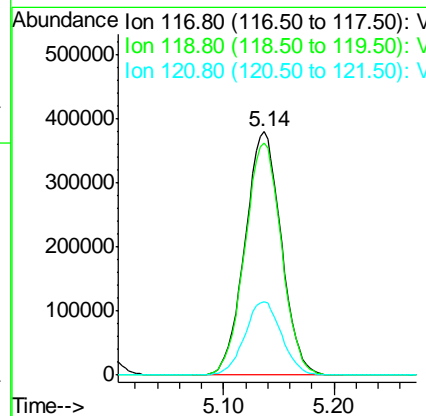
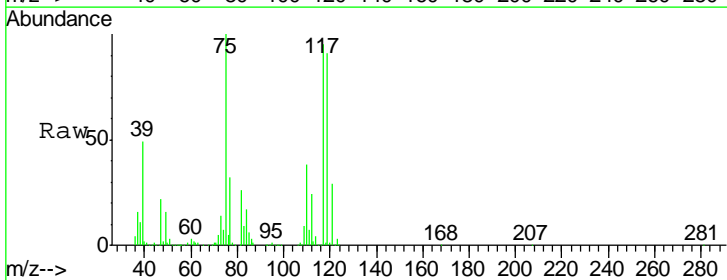
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

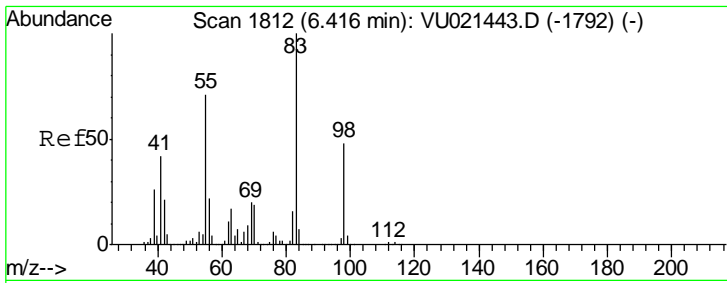
Tgt Ion	Resp	Lower	Upper
43	772535		
61	15.4	12.2	18.2
70	12.6	10.2	15.4



#38
 Carbon Tetrachloride
 Concen: 50.41 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
117	861874		
119	95.5	77.1	115.7
121	30.3	24.4	36.6

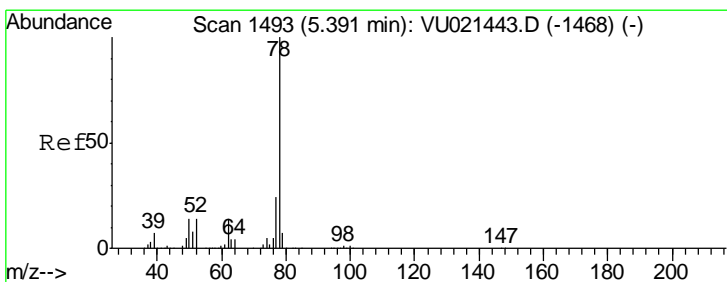
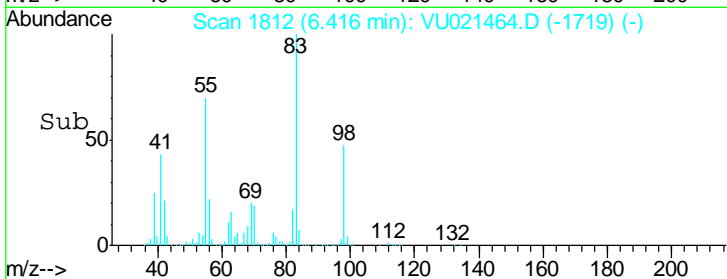
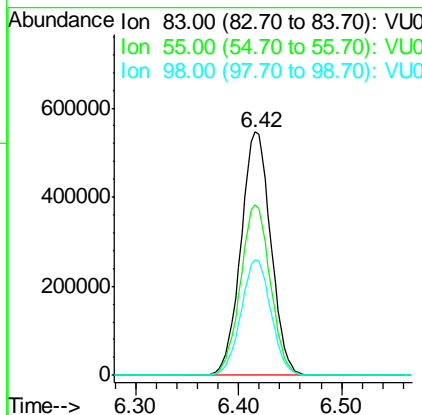
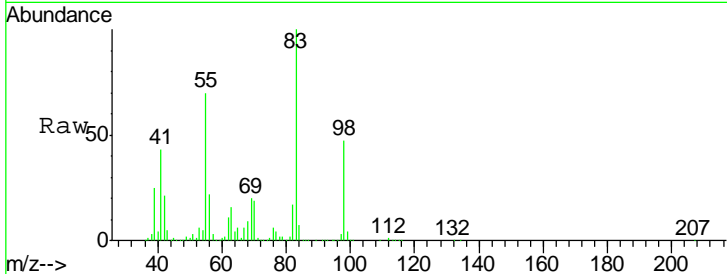




#39
 Methylcyclohexane
 Concen: 50.44 ug/l
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

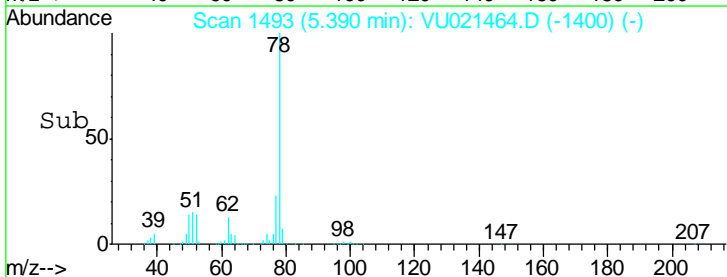
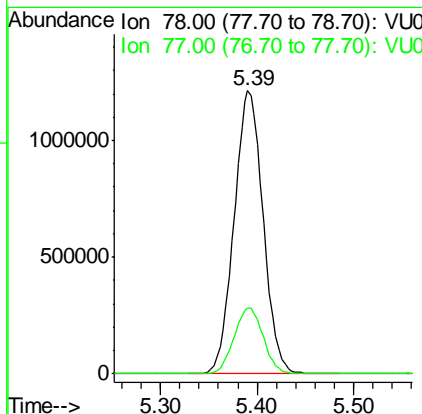
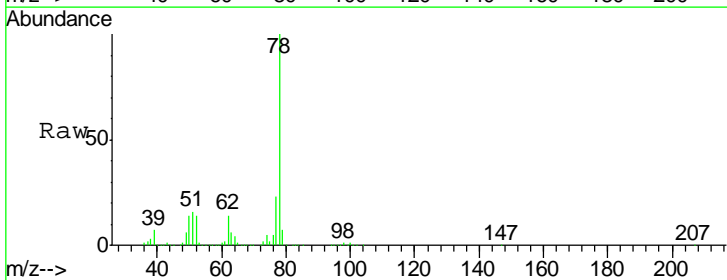
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

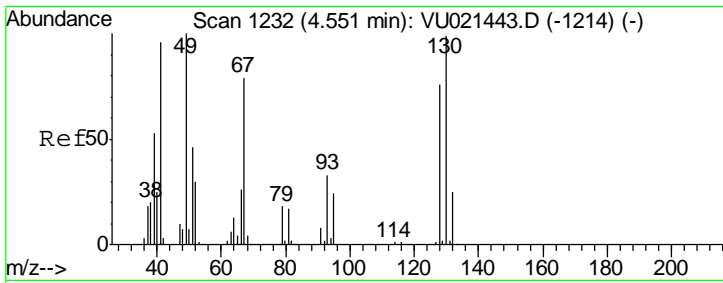
Tgt Ion	Resp	Lower	Upper
83	1098668		
55	70.2	56.8	85.2
98	47.5	38.1	57.1



#40
 Benzene
 Concen: 49.38 ug/l
 RT: 5.39 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
78	2522418		
77	23.4	18.9	28.3

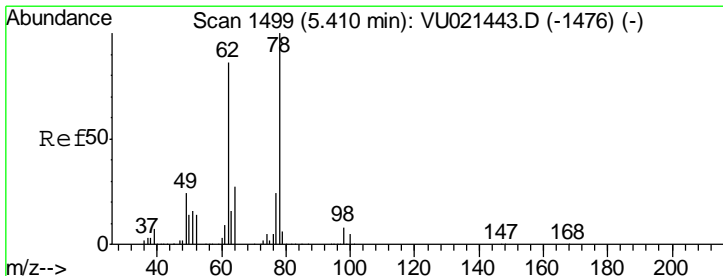
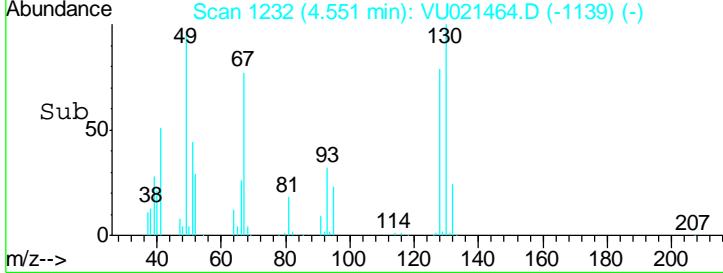
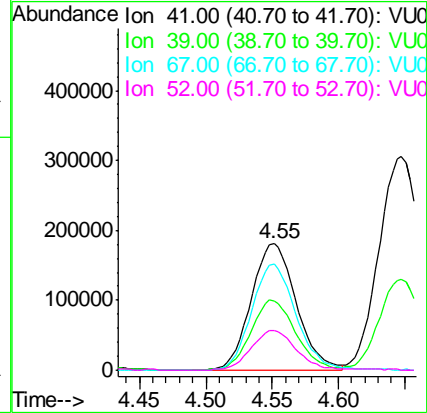
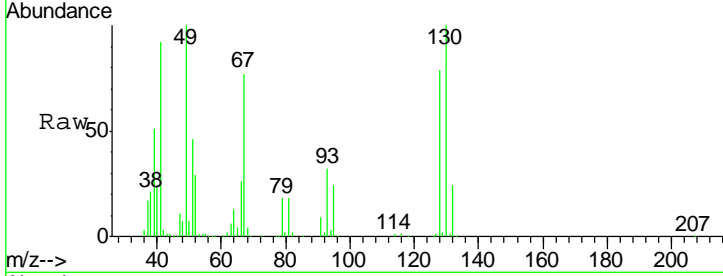




#41
 Methacrylonitrile
 Concen: 50.49 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

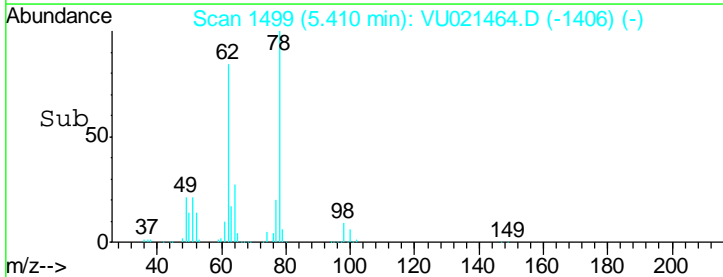
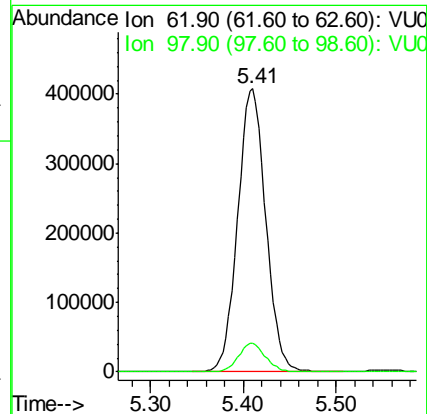
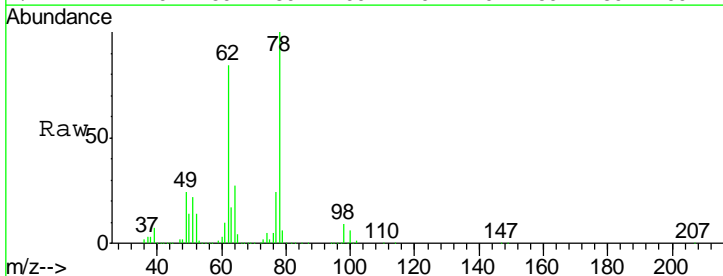
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

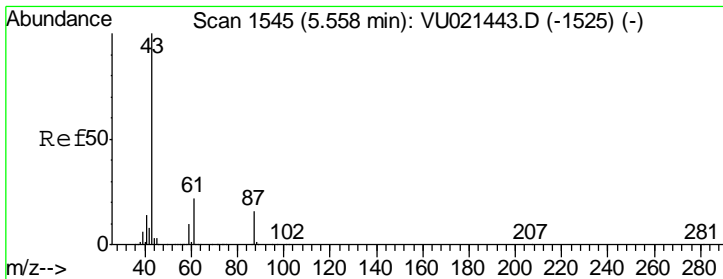
Tgt Ion	Resp	Lower	Upper
41	100		
39	54.5	44.3	66.5
67	83.6	67.2	100.8
52	31.2	25.0	37.6



#42
 1,2-Dichloroethane
 Concen: 49.13 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.9	0.0	19.6

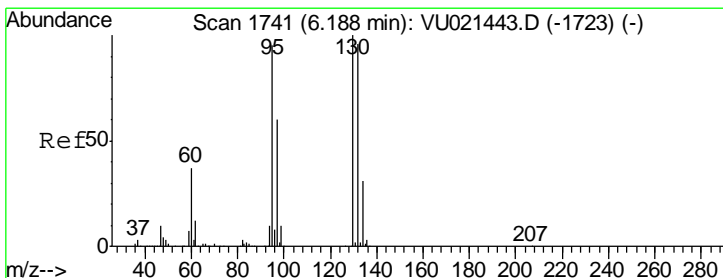
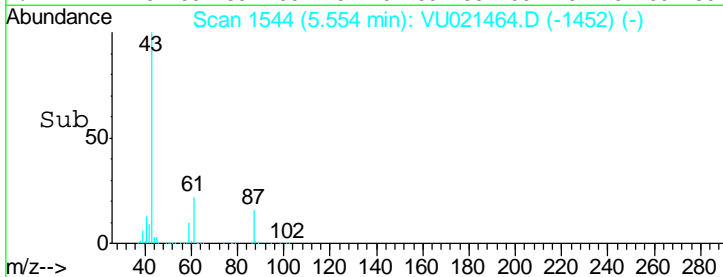
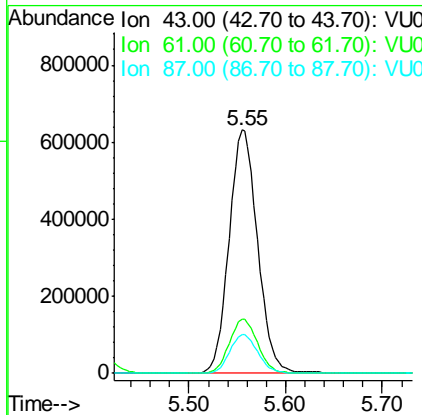
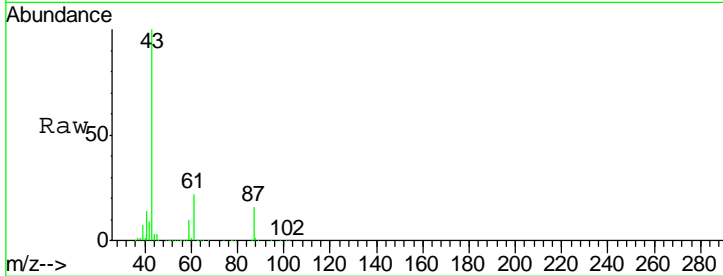




#43
 Isopropyl Acetate
 Concen: 49.75 ug/l
 RT: 5.55 min Scan# 1544
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

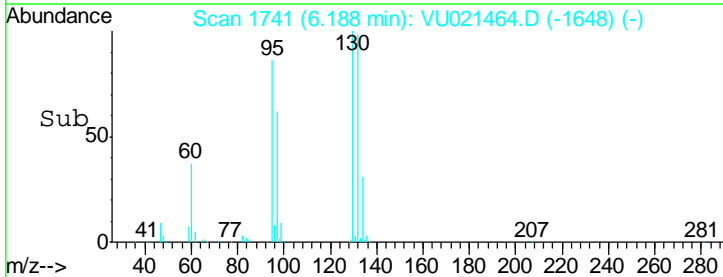
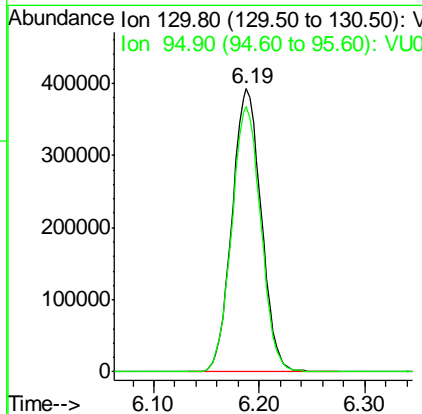
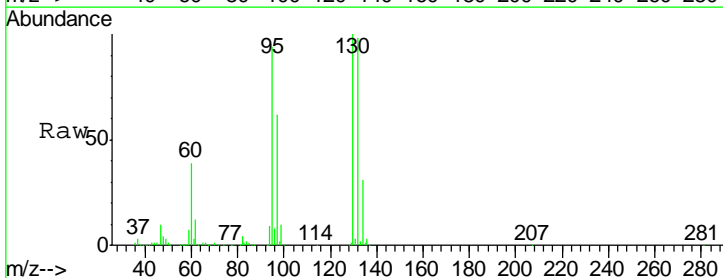
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

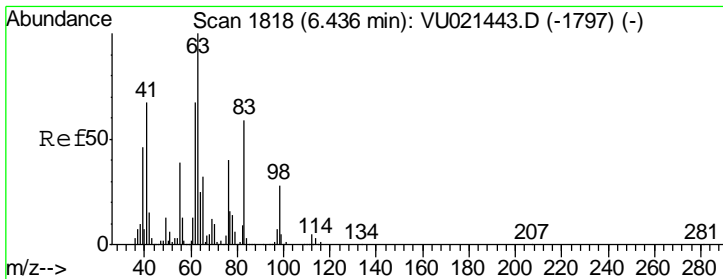
Tgt Ion	Resp	Lower	Upper
43	1283556		
61	22.3	17.8	26.6
87	15.9	12.8	19.2



#44
 Trichloroethene
 Concen: 48.69 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
130	752813		
95	93.7	0.0	189.6

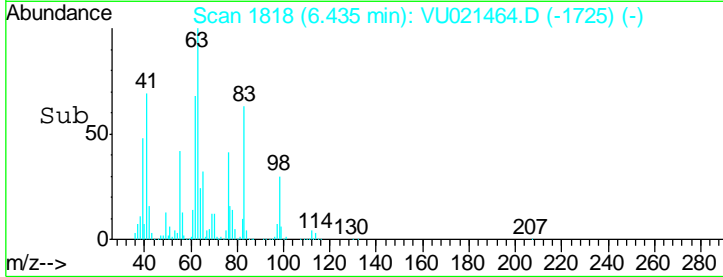
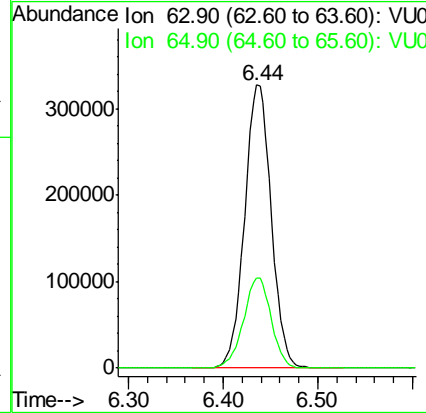
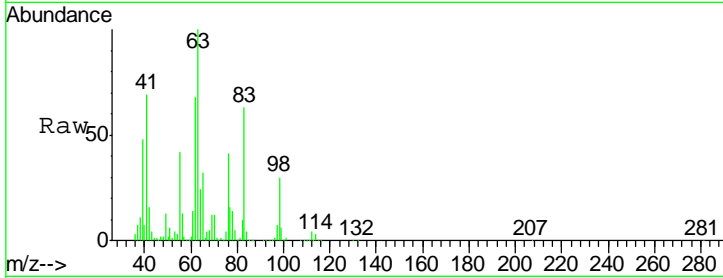




#45
 1,2-Dichloropropane
 Concen: 49.19 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

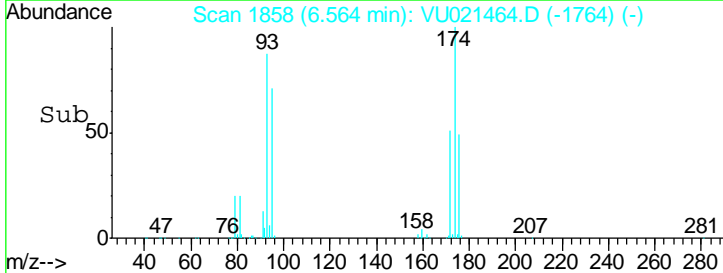
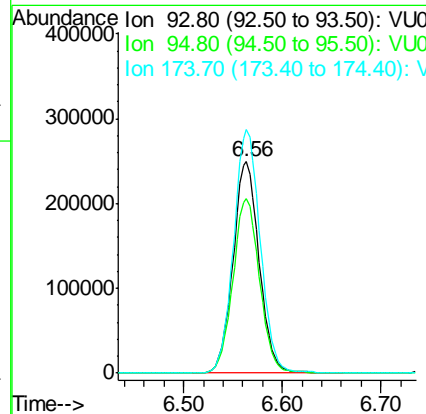
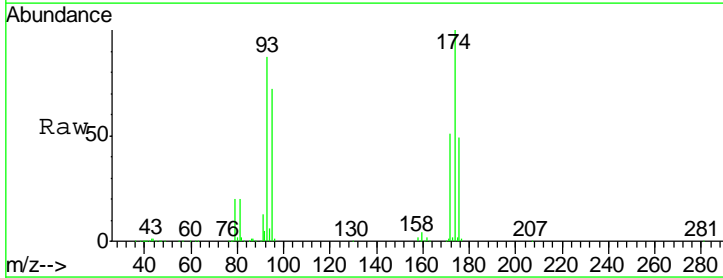
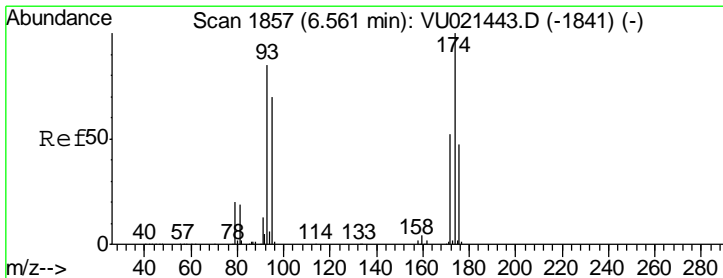
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

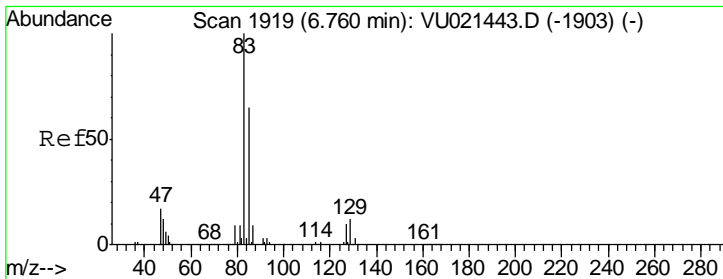
Tgt Ion	Resp	Lower	Upper
63	100		
65	31.9	25.8	38.6



#46
 Dibromomethane
 Concen: 51.09 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.8	66.8	100.2
174	116.9	95.6	143.4

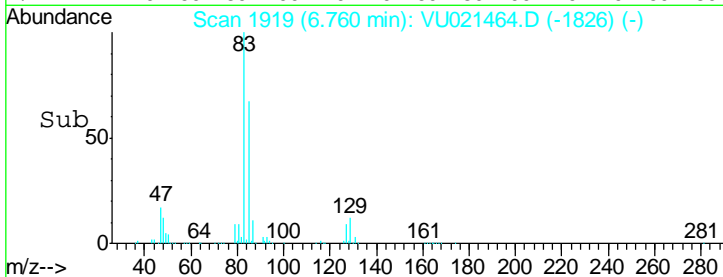
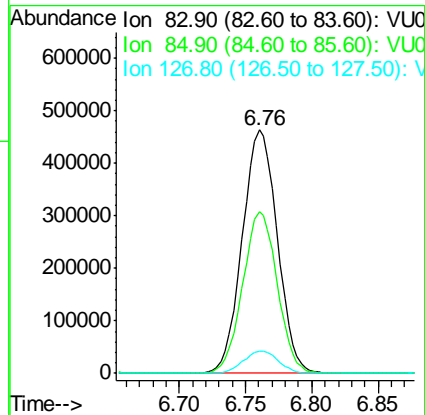
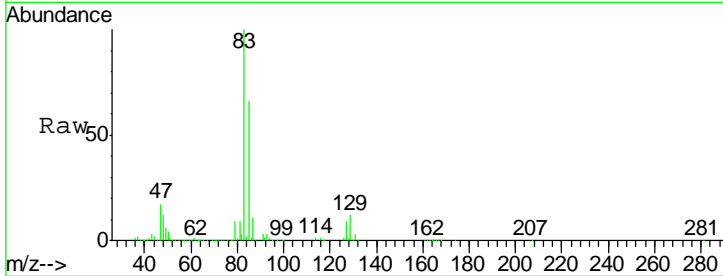




#47
 Bromodichloromethane
 Concen: 51.36 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

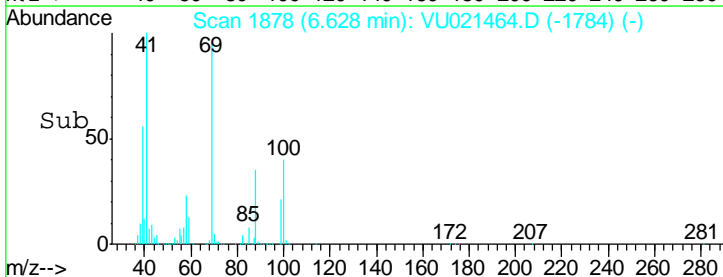
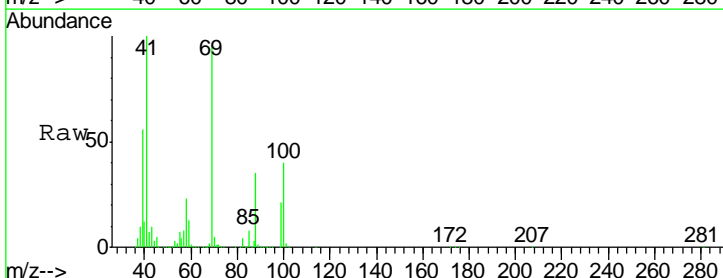
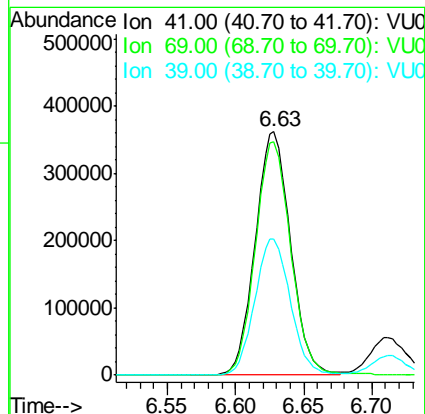
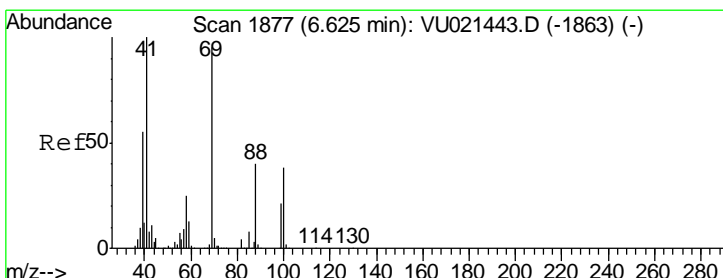
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

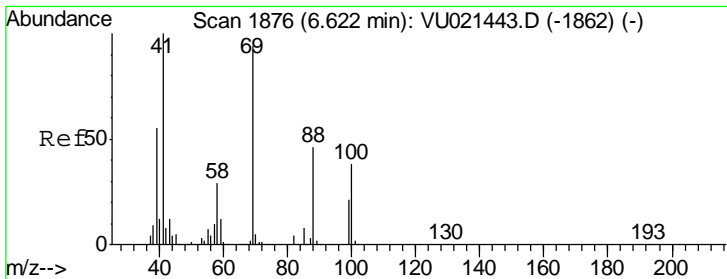
Tgt Ion	Resp	Lower	Upper
83	100		
85	66.2	51.9	77.9
127	9.3	7.7	11.5



#48
 Methyl methacrylate
 Concen: 50.63 ug/l
 RT: 6.63 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
41	100		
69	96.9	76.5	114.7
39	56.3	44.4	66.6

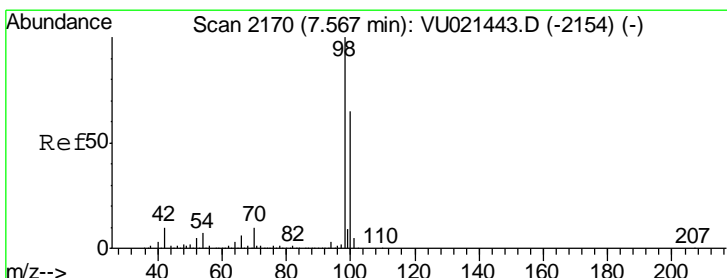
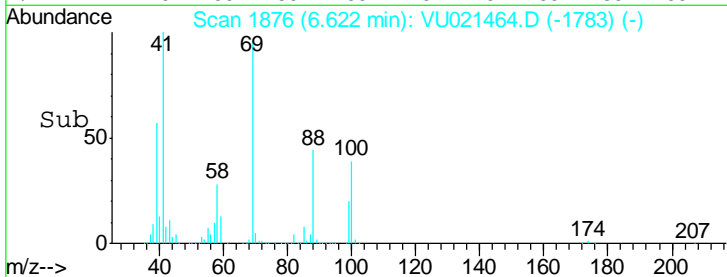
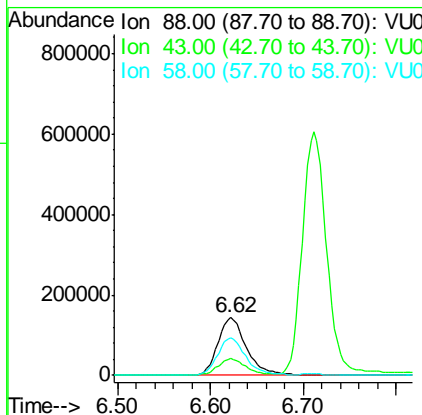
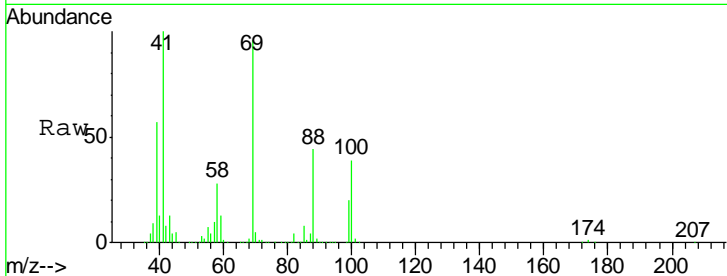




#49
 1,4-Dioxane
 Concen: 946.68 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

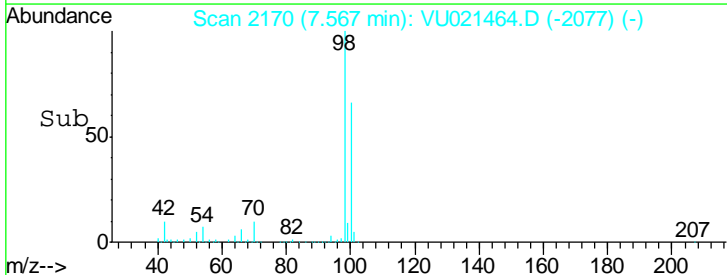
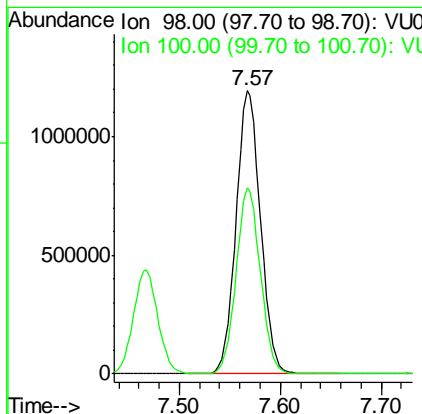
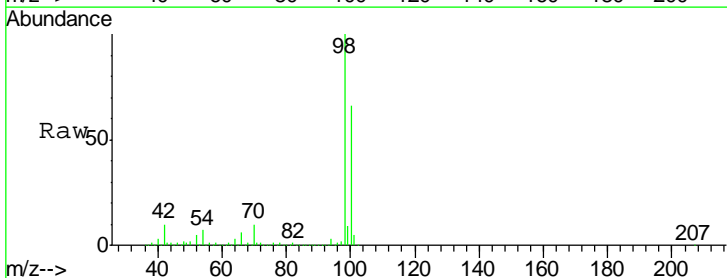
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

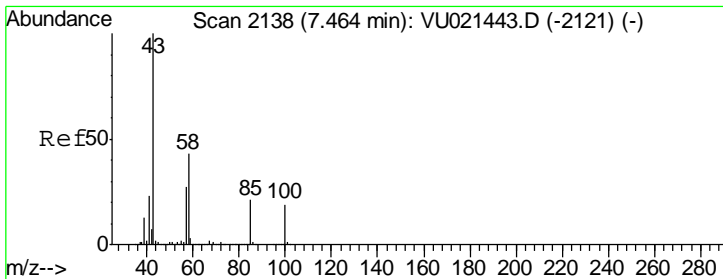
Tgt Ion	Resp	Lower	Upper
88	100		
43	27.2	21.9	32.9
58	65.2	51.9	77.9



#50
 Toluene-d8
 Concen: 55.57 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
98	100		
100	65.1	51.8	77.8



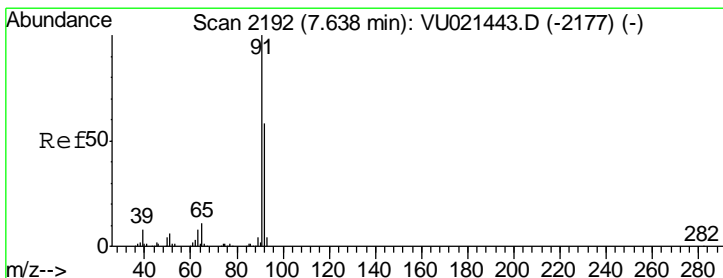
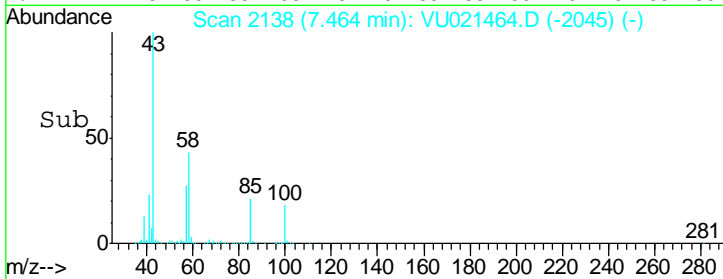
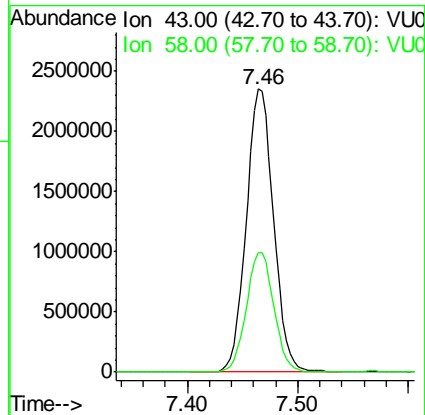
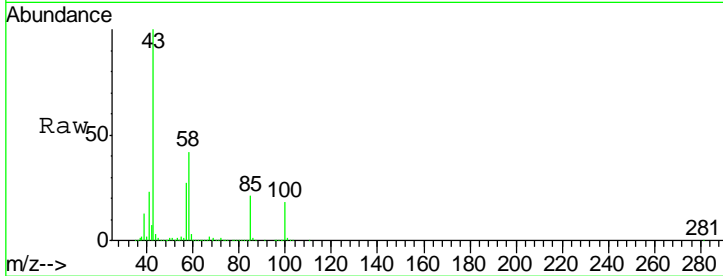


#51
 4-Methyl-2-Pentanone
 Concen: 253.87 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

Tgt Ion: 43 Resp: 4009449

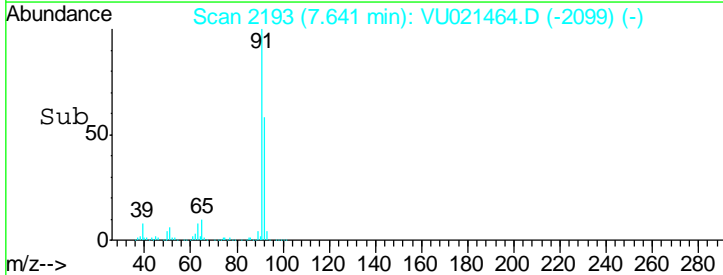
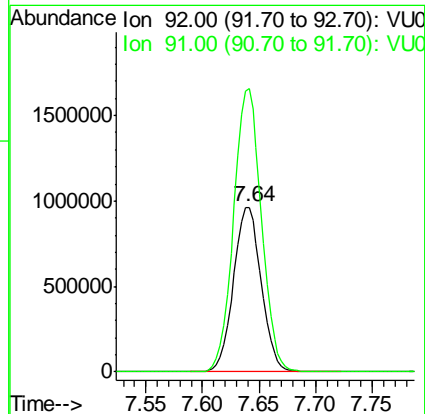
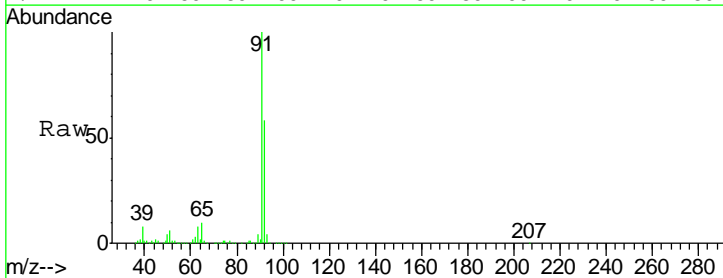
Ion	Ratio	Lower	Upper
43	100		
58	42.9	34.4	51.6

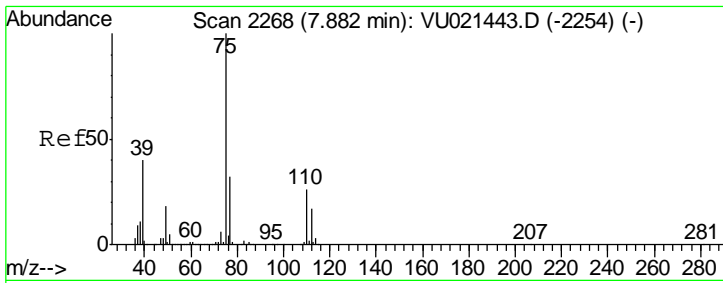


#52
 Toluene
 Concen: 50.25 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion: 92 Resp: 1646687

Ion	Ratio	Lower	Upper
92	100		
91	172.4	138.3	207.5

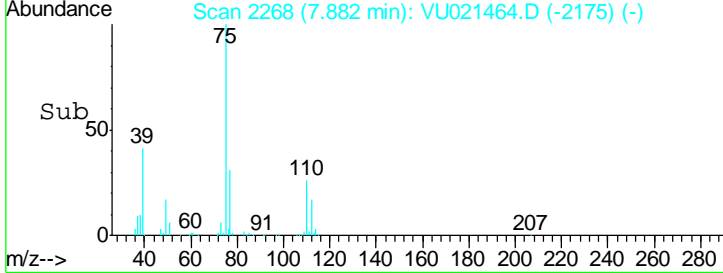
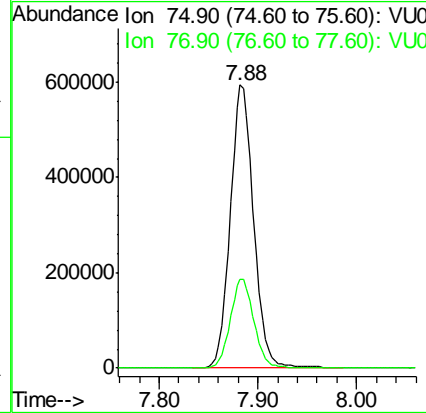
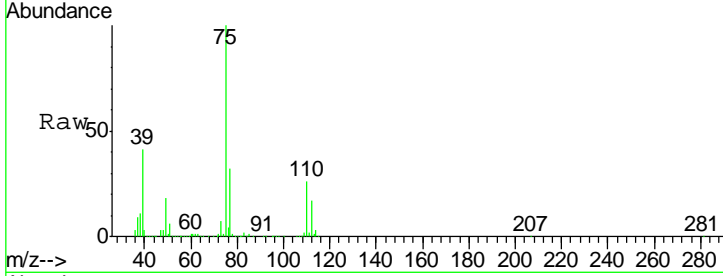




#53
 t-1,3-Dichloropropene
 Concen: 53.27 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

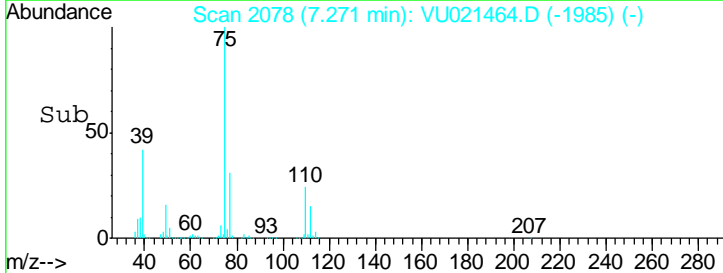
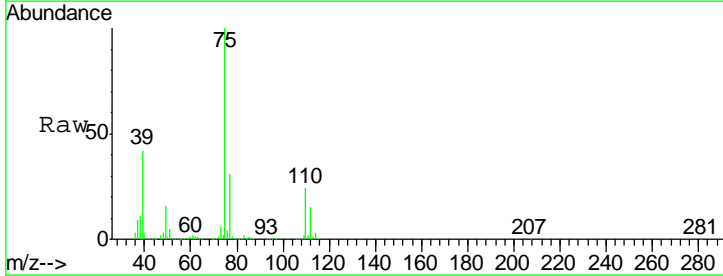
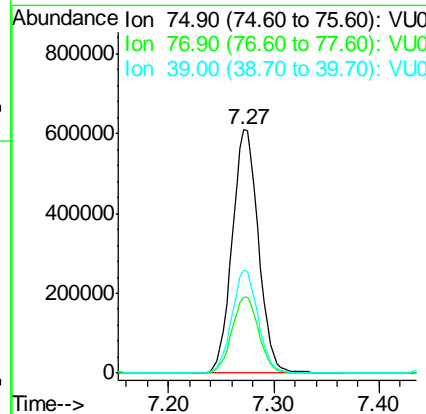
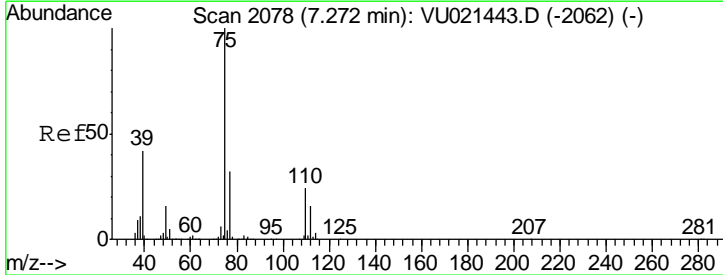
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

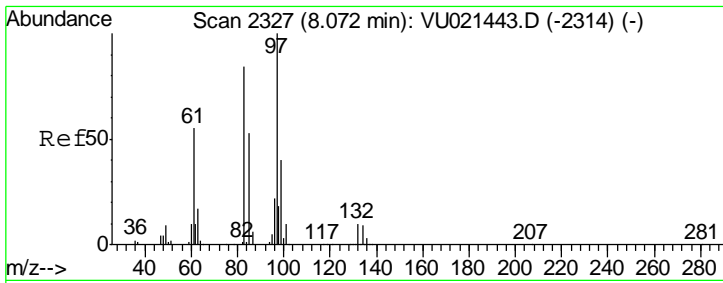
Tgt Ion	Resp	Lower	Upper
75	987773		
77	31.5	25.6	38.4



#54
 cis-1,3-Dichloropropene
 Concen: 52.14 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
75	1048668		
77	31.4	25.5	38.3
39	42.2	33.8	50.6

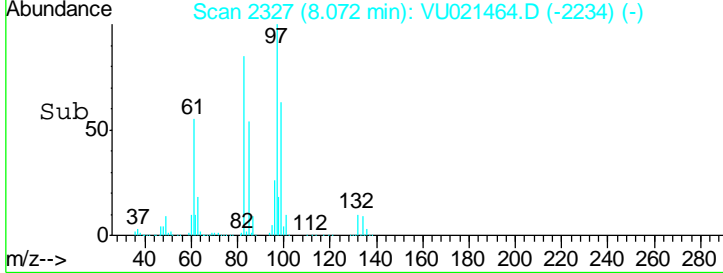
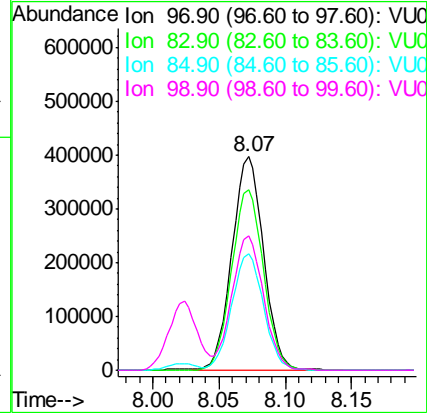
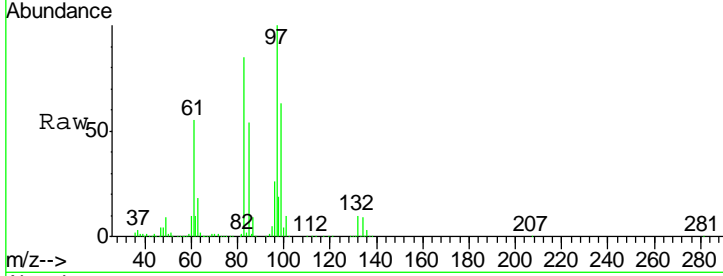




#55
 1,1,2-Trichloroethane
 Concen: 50.36 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

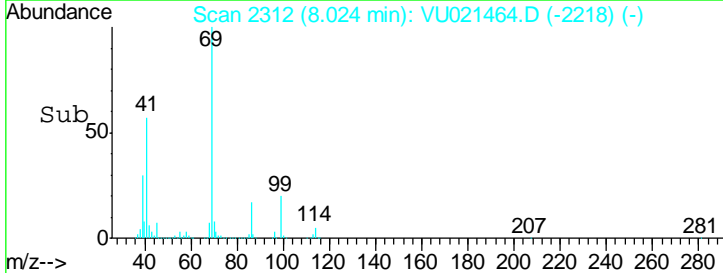
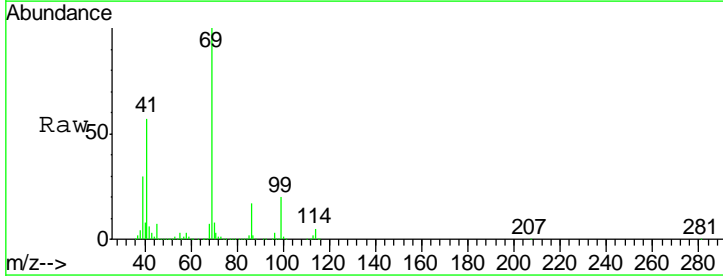
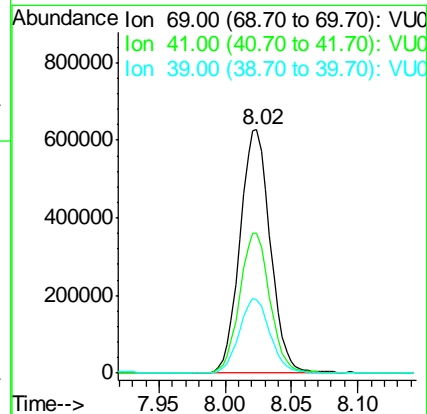
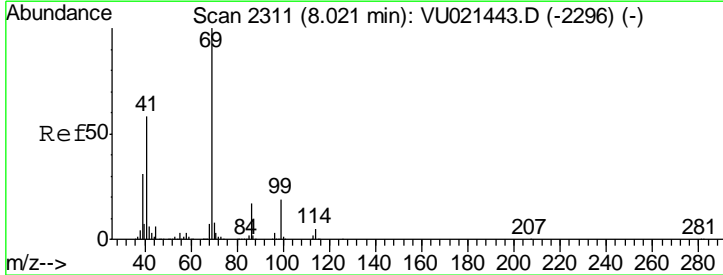
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

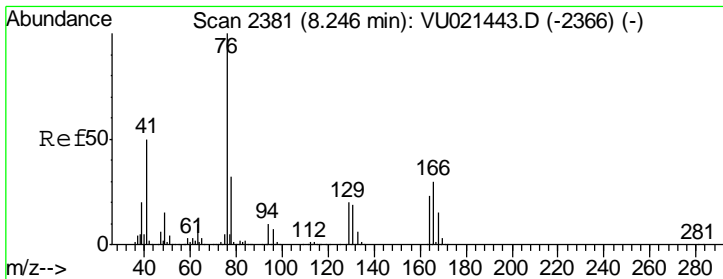
Tgt Ion	Resp	Lower	Upper
97	100		
83	84.7	67.1	100.7
85	54.4	43.6	65.4
99	62.8	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 51.00 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
69	100		
41	57.2	46.4	69.6
39	30.5	24.7	37.1

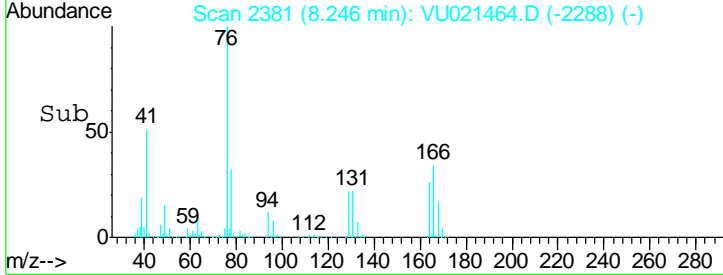
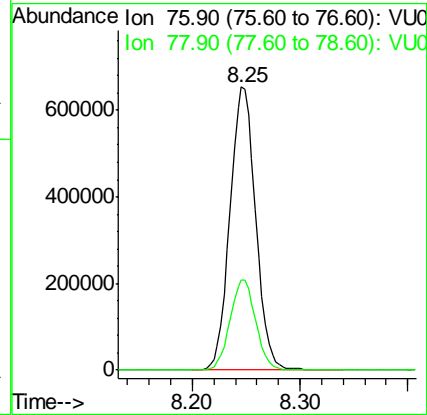
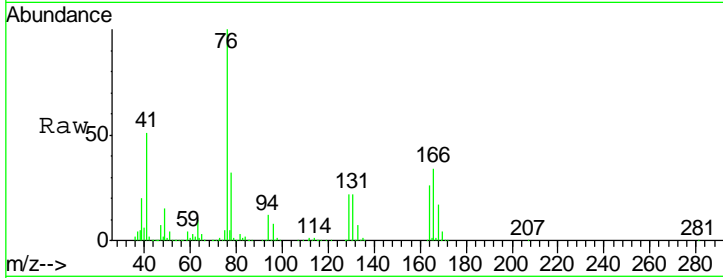




#57
 1,3-Dichloropropane
 Concen: 50.54 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

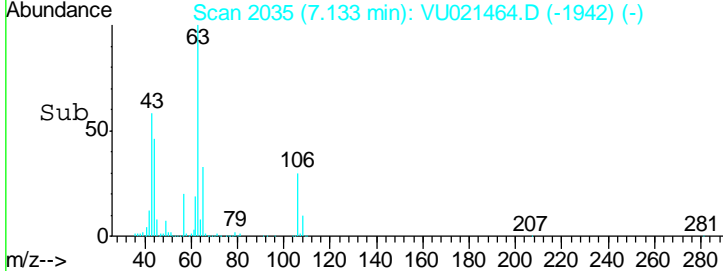
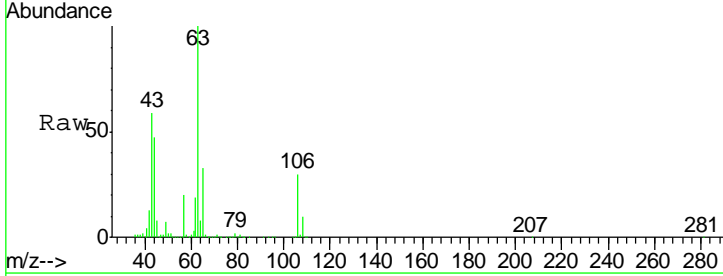
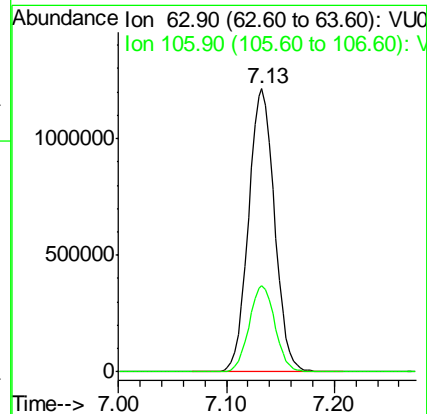
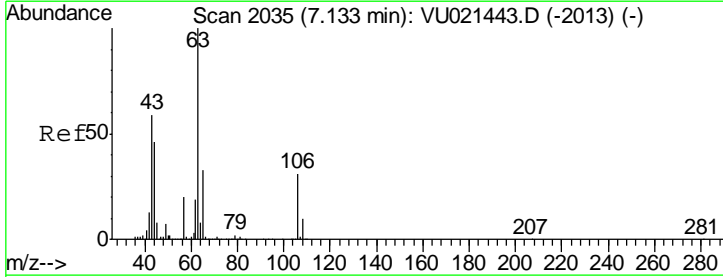
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

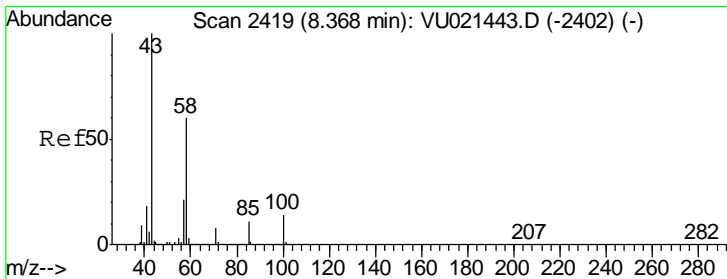
Tgt Ion	Resp	Lower	Upper
76	1086755		
78	31.9	25.6	38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.27 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
63	2031740		
106	30.4	24.6	36.8

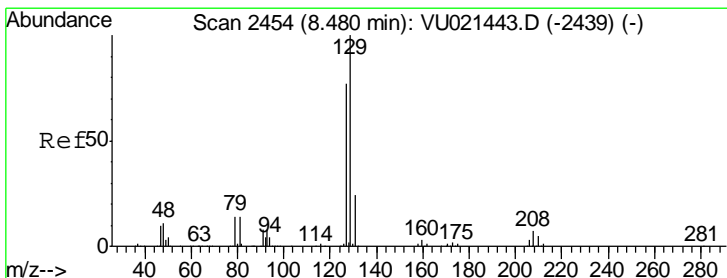
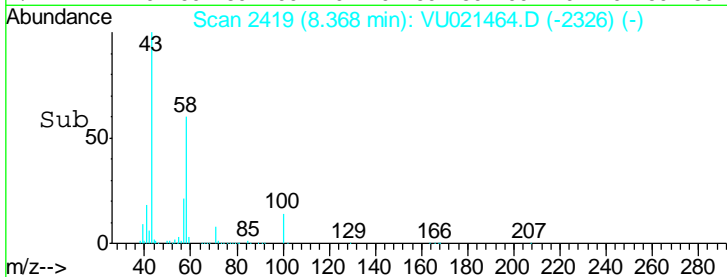
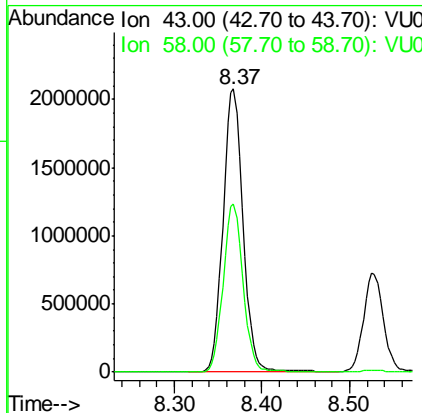
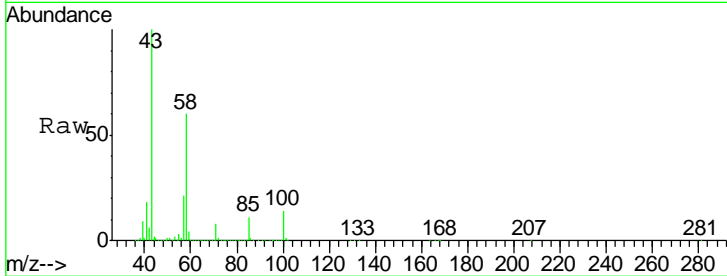




#59
 2-Hexanone
 Concen: 266.41 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

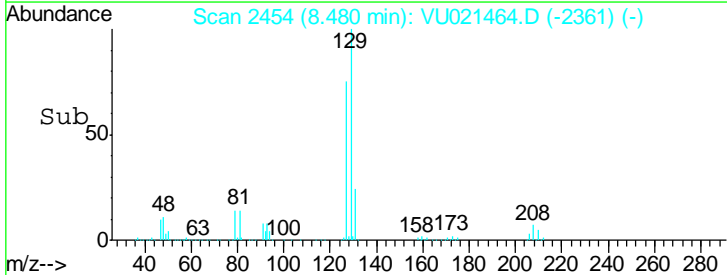
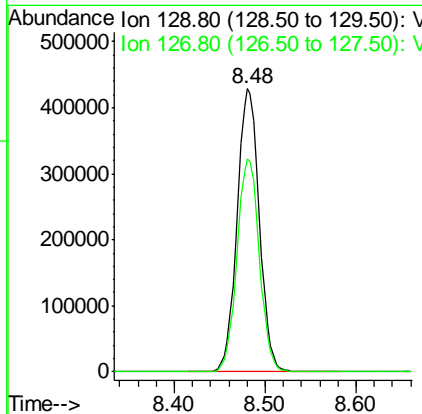
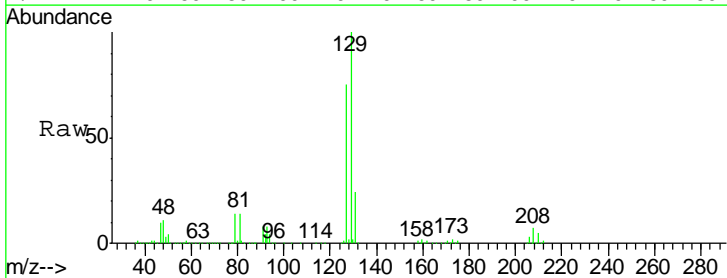
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

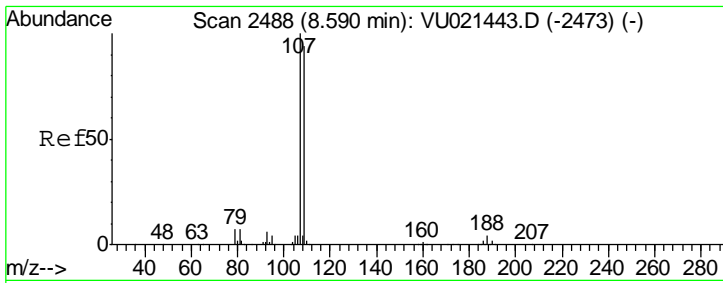
Tgt Ion: 43 Resp: 3309221
 Ion Ratio Lower Upper
 43 100
 58 59.4 29.8 89.4



#60
 Dibromochloromethane
 Concen: 52.92 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion: 129 Resp: 725891
 Ion Ratio Lower Upper
 129 100
 127 75.8 38.2 114.6

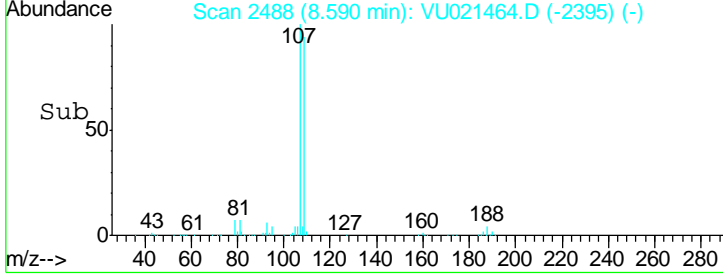
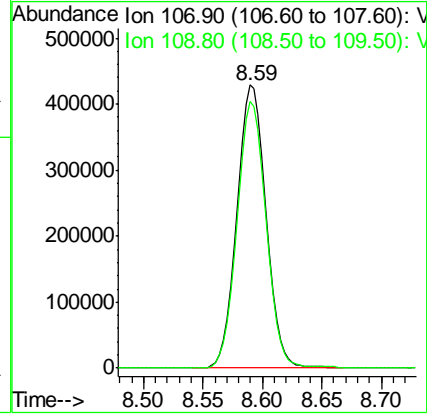
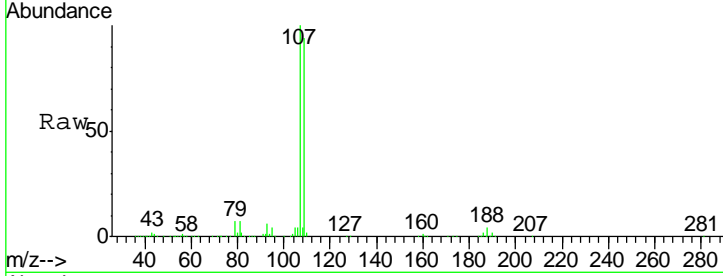




#61
 1,2-Dibromoethane
 Concen: 51.00 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

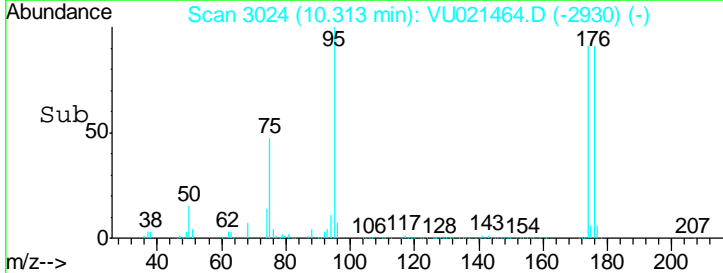
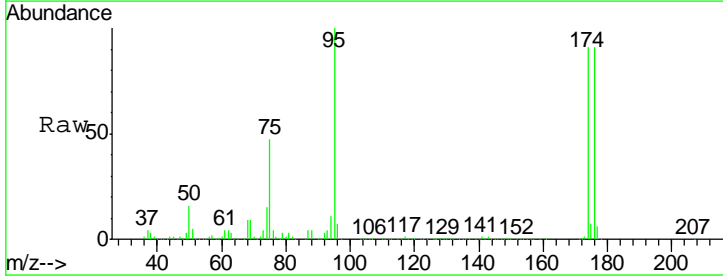
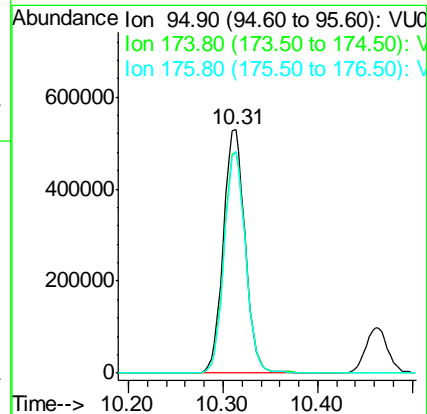
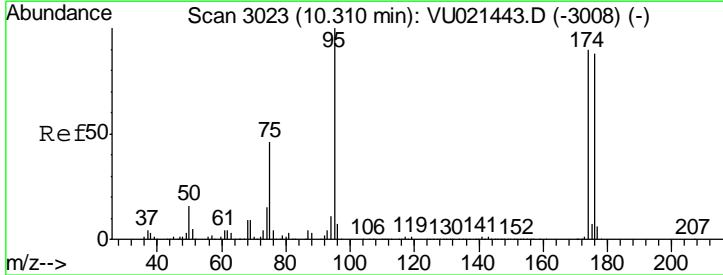
Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

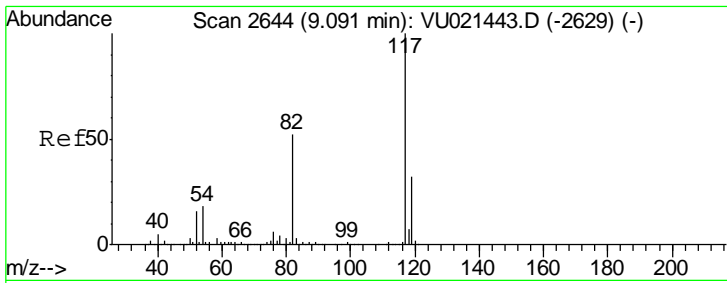
Tgt Ion	Resp	Lower	Upper
107	727809		
109	94.3	74.7	112.1



#62
 4-Bromofluorobenzene
 Concen: 50.61 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
95	848445		
174	90.5	0.0	182.6
176	88.7	0.0	178.8



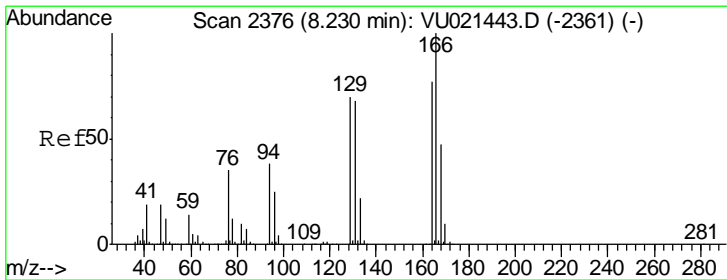
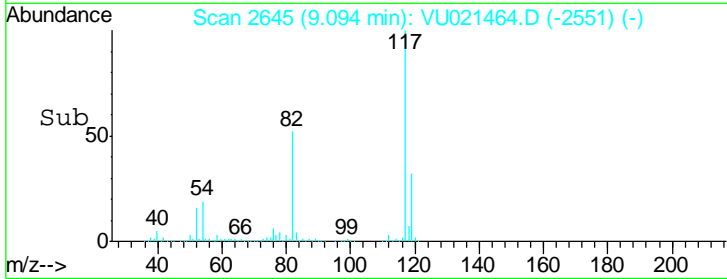
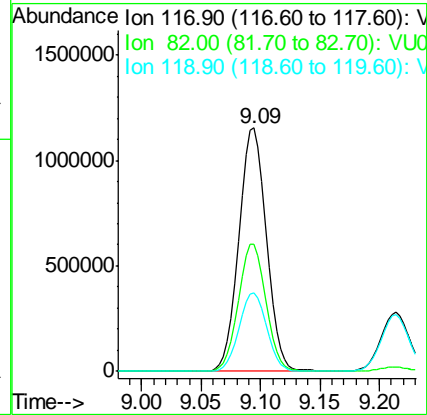
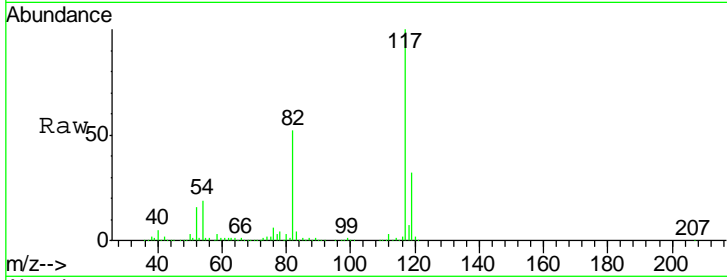


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

Tgt Ion:117 Resp: 1860394

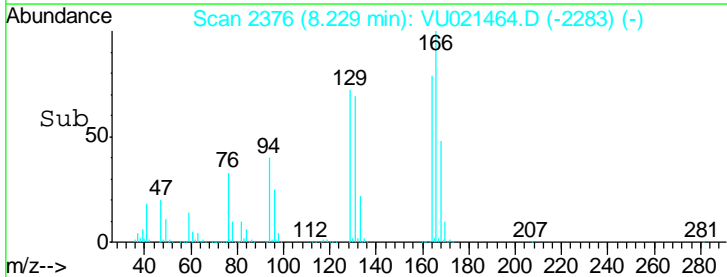
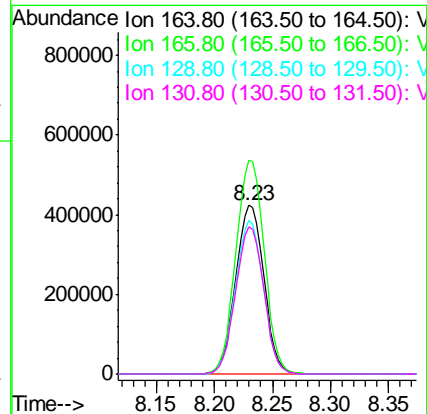
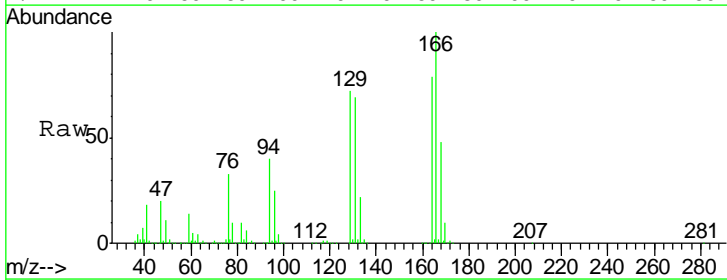
Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.4	62.0
119	32.3	25.7	38.5

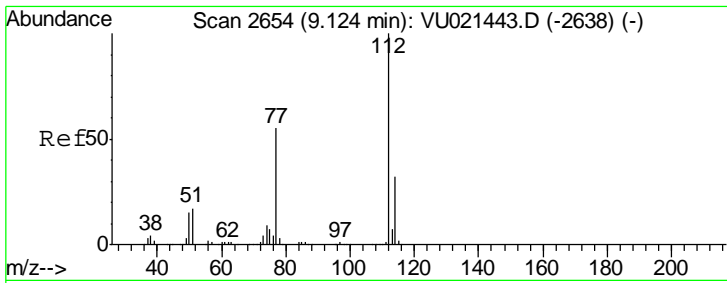


#64
 Tetrachloroethene
 Concen: 48.76 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion:164 Resp: 713252

Ion	Ratio	Lower	Upper
164	100		
166	126.6	104.1	156.1
129	90.8	73.2	109.8
131	87.4	71.0	106.6



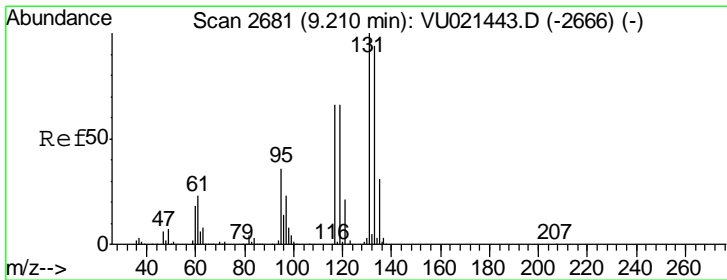
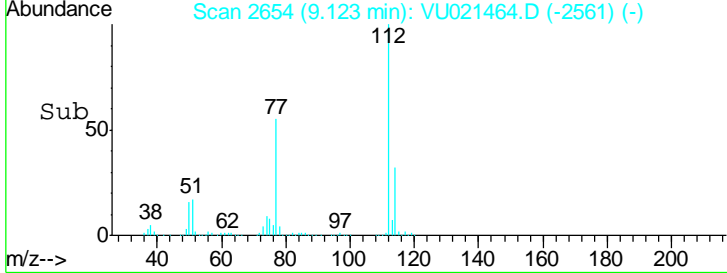
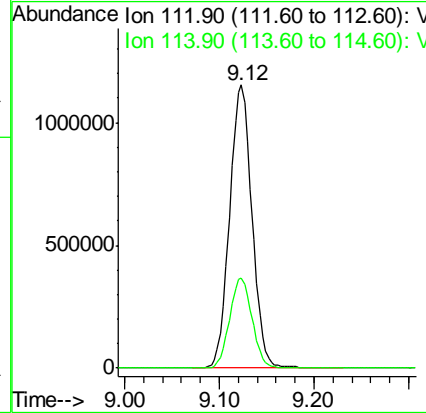
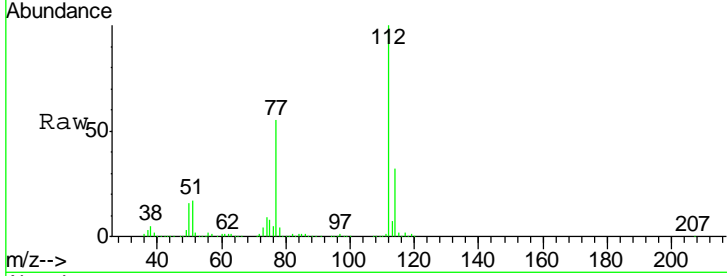


#65
 Chlorobenzene
 Concen: 49.61 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

Tgt Ion:112 Resp: 1898785

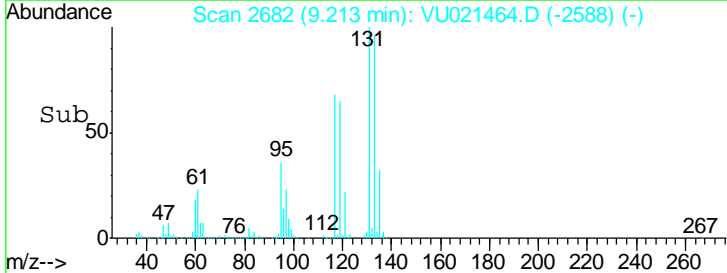
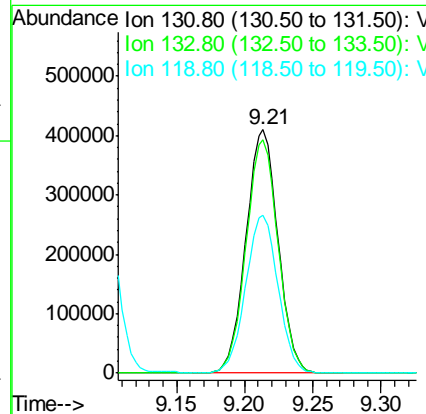
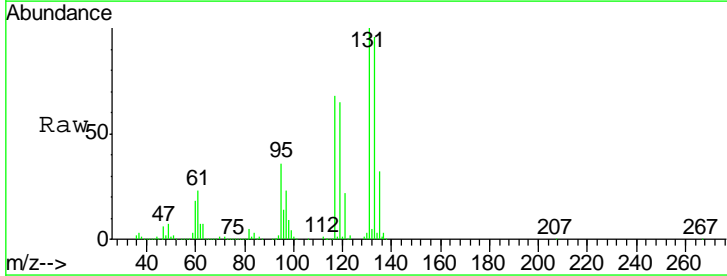
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.9	38.9

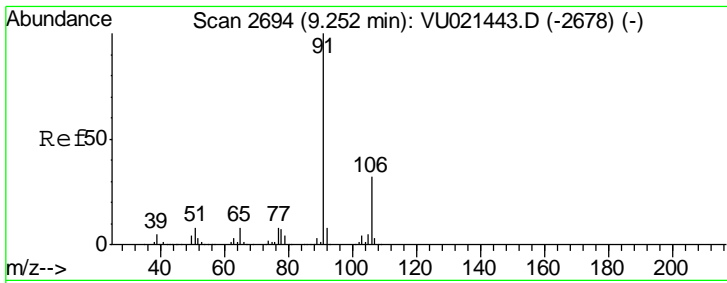


#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.09 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion:131 Resp: 668744

Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.1	144.3
119	65.5	33.0	98.9

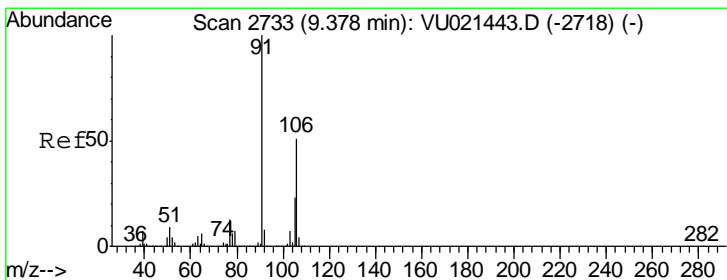
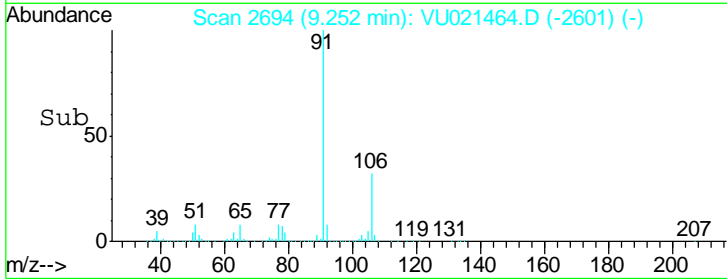
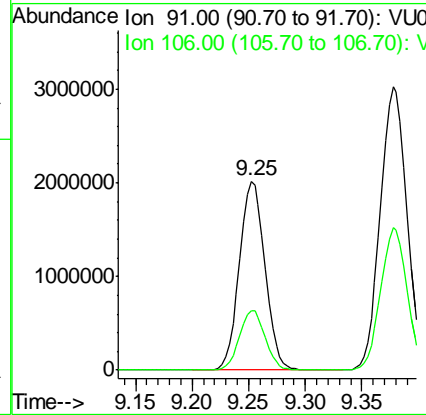
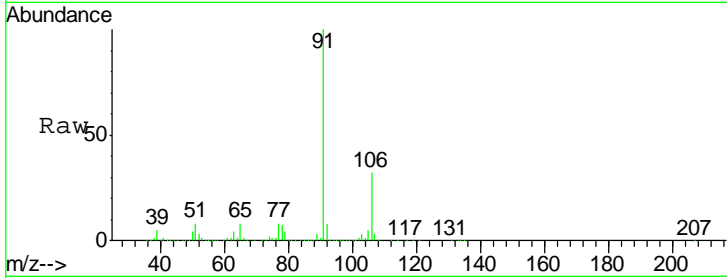




#67
Ethyl Benzene
Concen: 50.24 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU021464.D
Acq: 04 Jan 2018 10:35

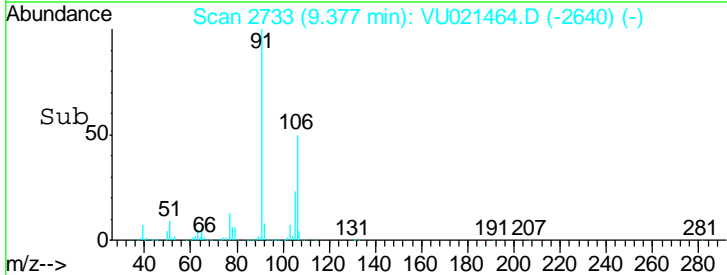
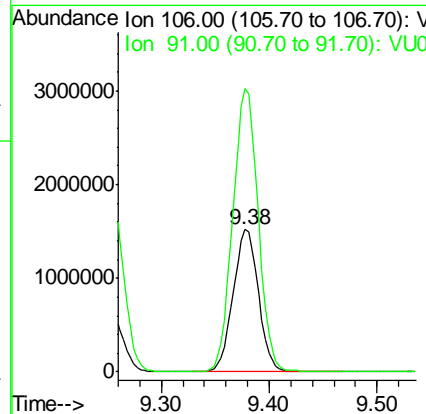
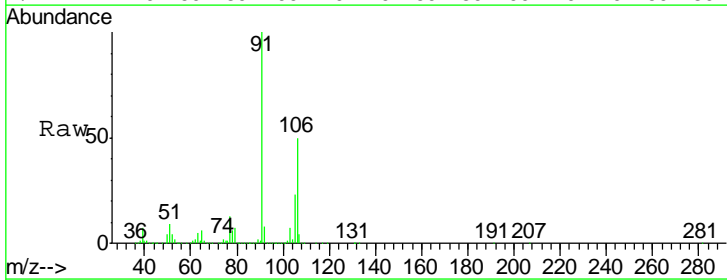
Instrument : MSVOA_U
ClientSampled : VSTDCCC050

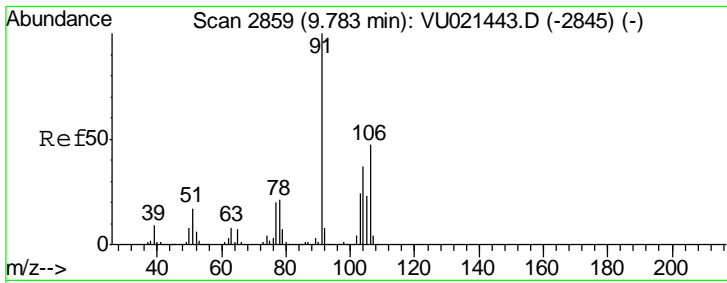
Tgt Ion	Resp	Lower	Upper
91	3188197		
106	31.7	25.4	38.2



#68
m/p-Xylenes
Concen: 100.56 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU021464.D
Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
106	2480245		
91	201.6	159.4	239.0

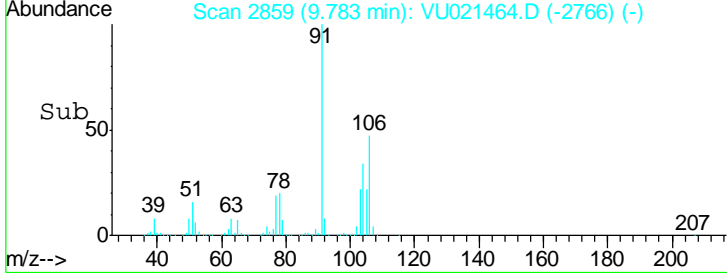
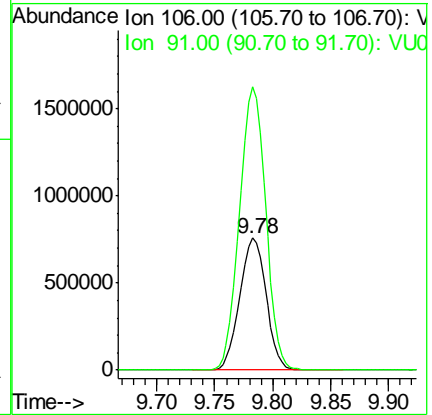
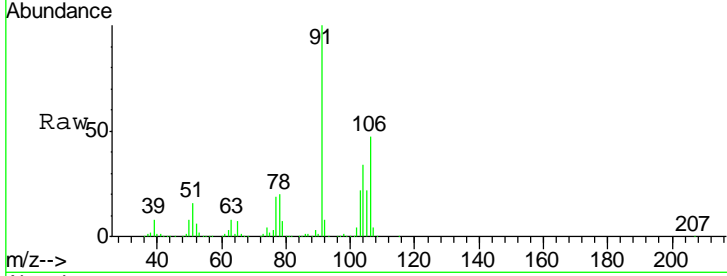




#69
 o-Xylene
 Concen: 50.56 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

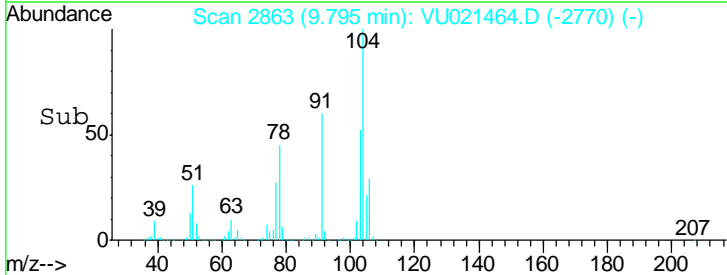
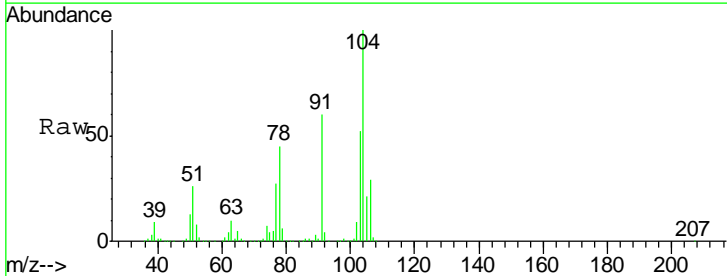
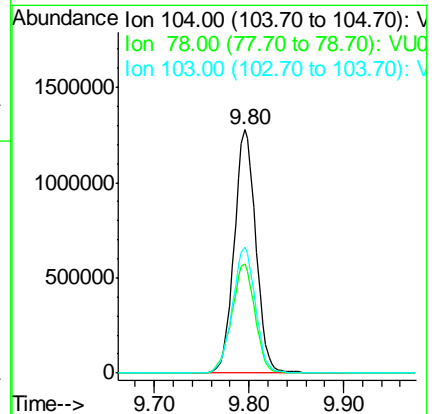
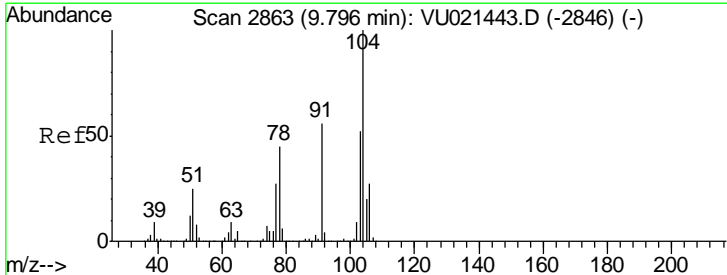
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

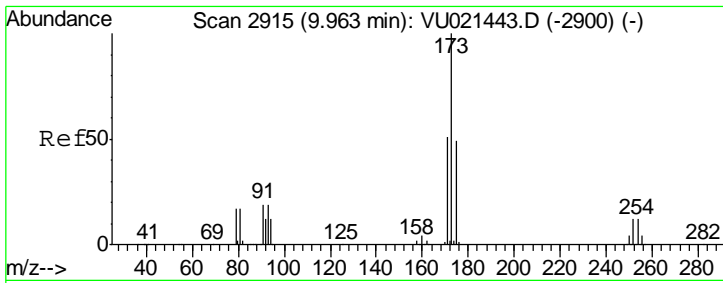
Tgt Ion:	106	Resp:	1195921
Ion Ratio	Lower	Upper	
106	100		
91	212.7	106.2	318.6



#70
 Styrene
 Concen: 51.75 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion:	104	Resp:	2038786
Ion Ratio	Lower	Upper	
104	100		
78	48.4	38.2	57.2
103	54.9	44.6	66.8

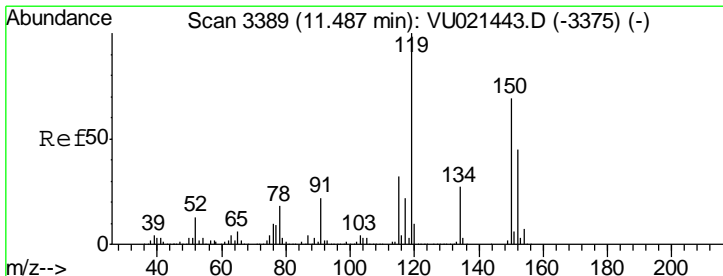
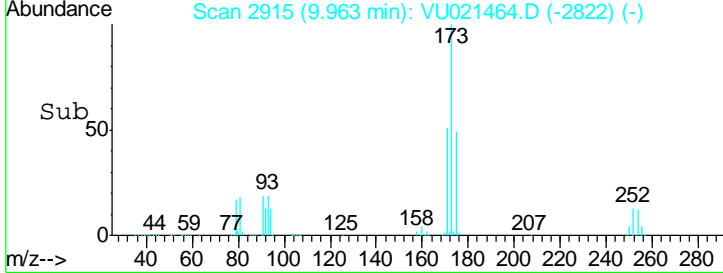
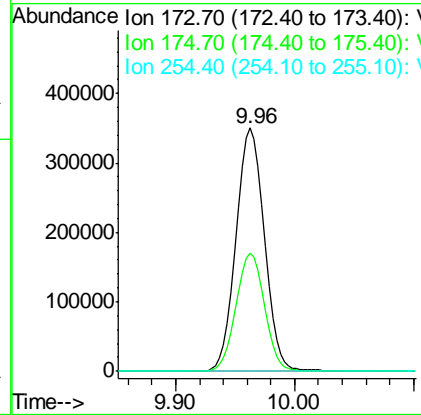
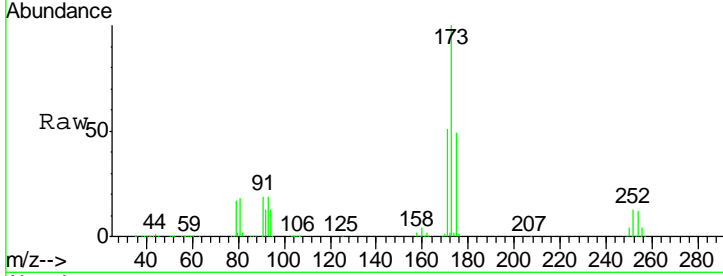




#71
 Bromoform
 Concen: 52.27 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

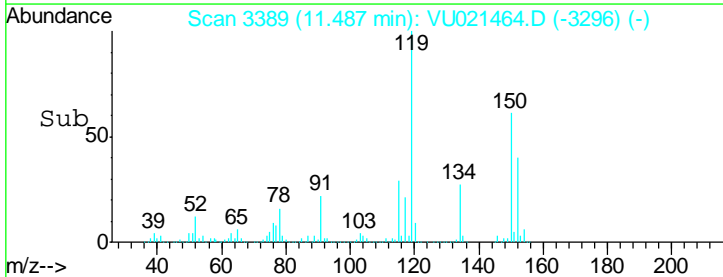
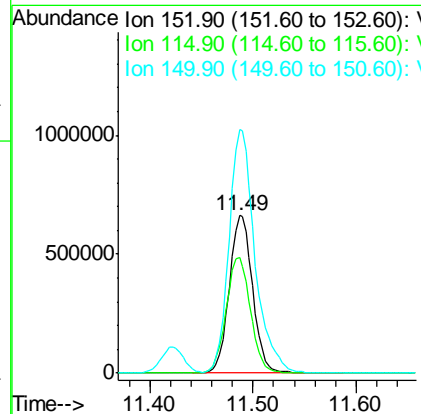
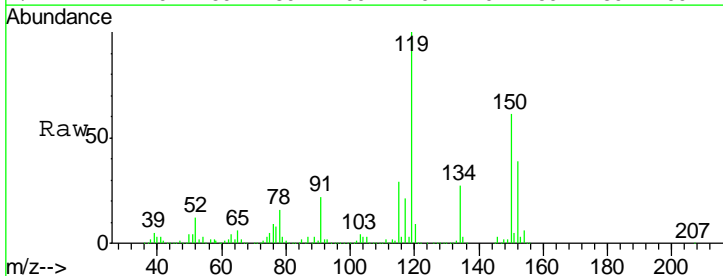
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

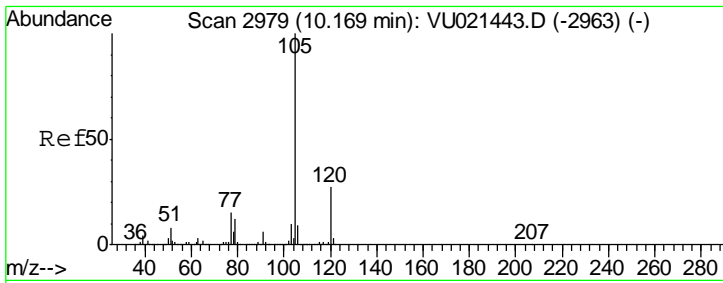
Tgt Ion	Resp	Lower	Upper
173	580407		
175	49.0	24.3	72.8
254	0.2	0.1	0.1#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
152	1045080		
115	76.2	38.0	114.1
150	170.9	0.0	343.2

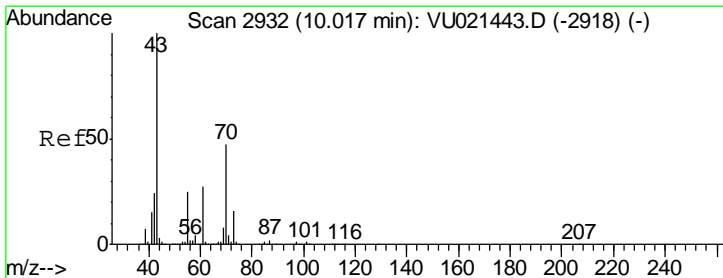
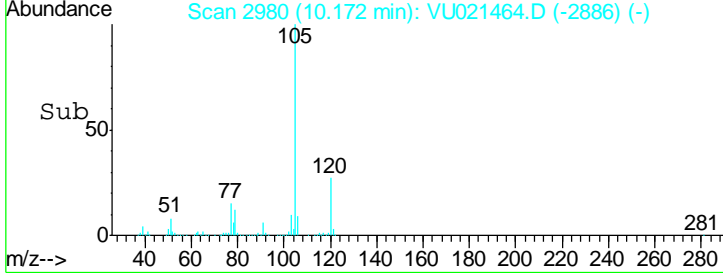
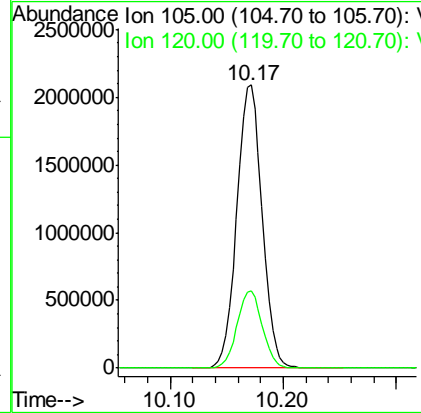
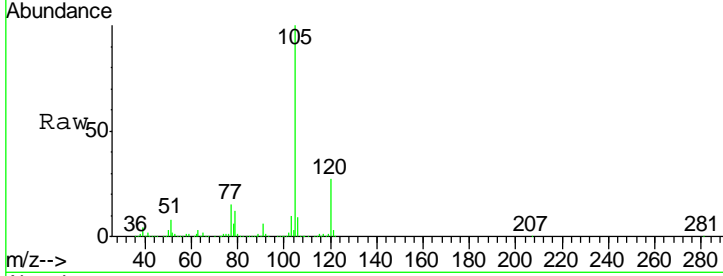




#73
 Isopropylbenzene
 Concen: 49.51 ug/l
 RT: 10.17 min Scan# 2980
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

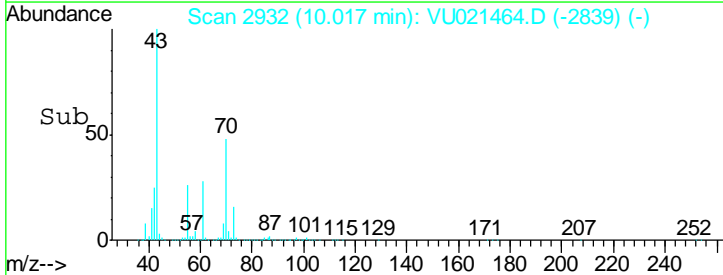
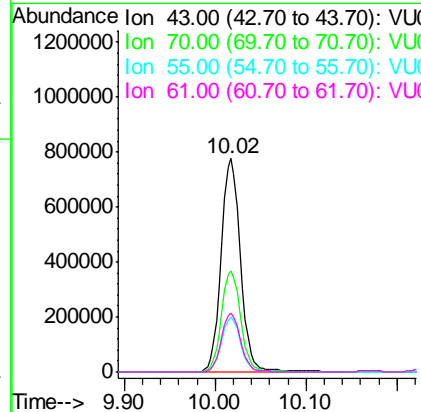
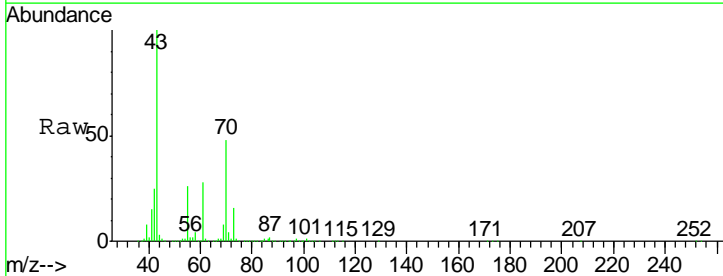
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

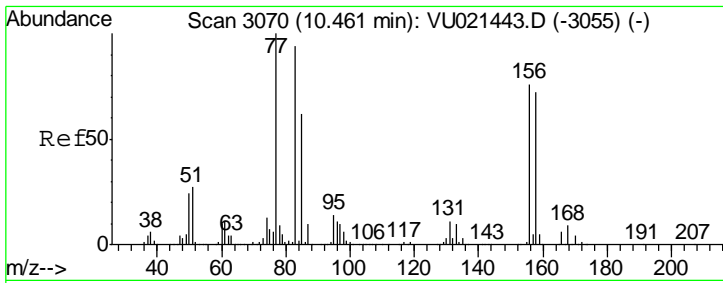
Tgt Ion	Resp	Lower	Upper
105	100		
120	27.1	13.5	40.5



#74
 N-amyl acetate
 Concen: 51.48 ug/l
 RT: 10.02 min Scan# 2932
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
43	100		
70	47.8	37.4	56.2
55	25.5	20.1	30.1
61	27.6	21.3	31.9

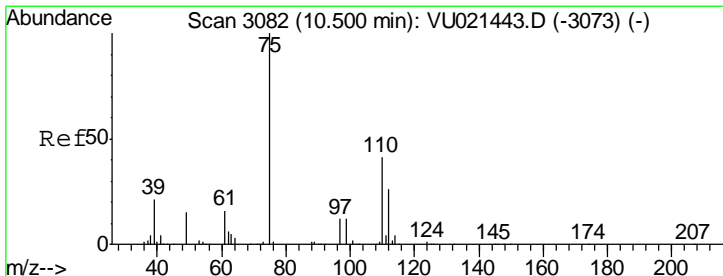
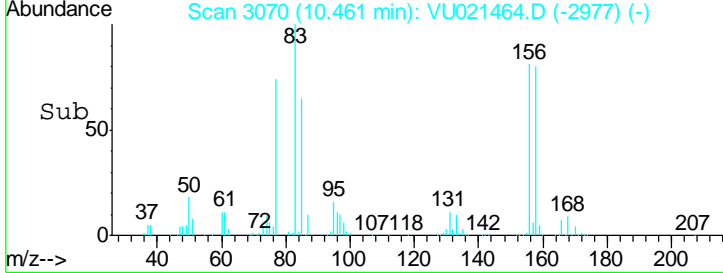
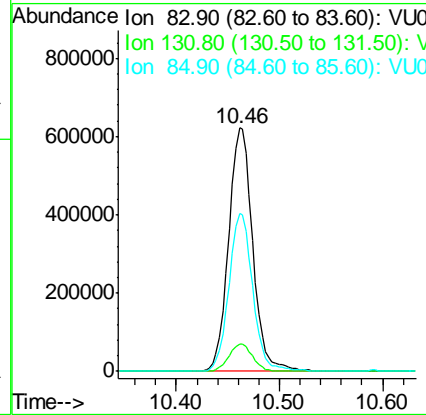
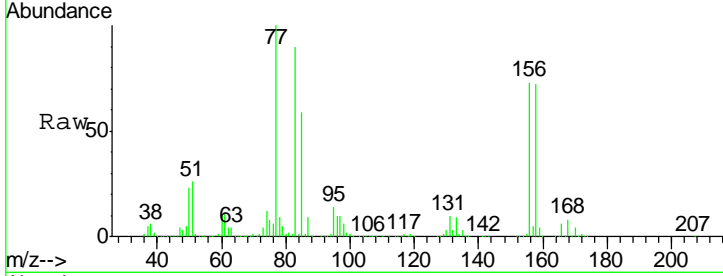




#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.66 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

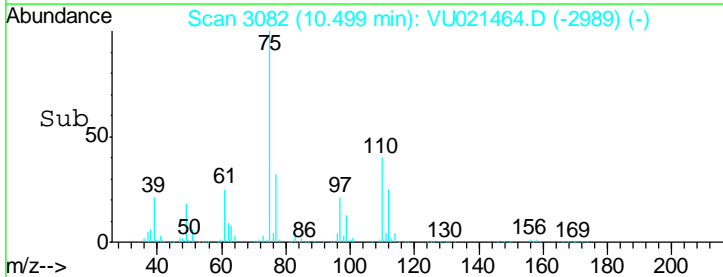
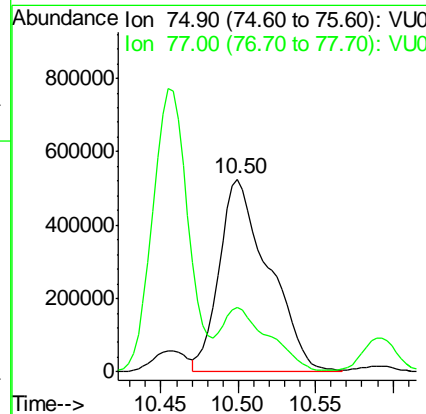
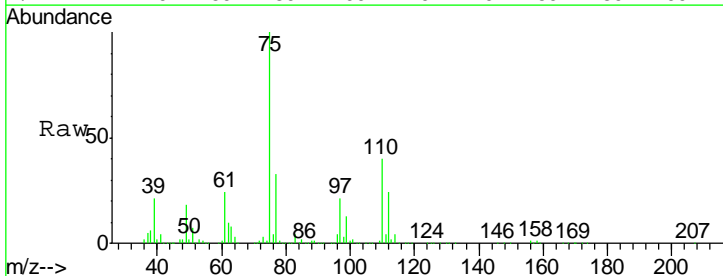
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

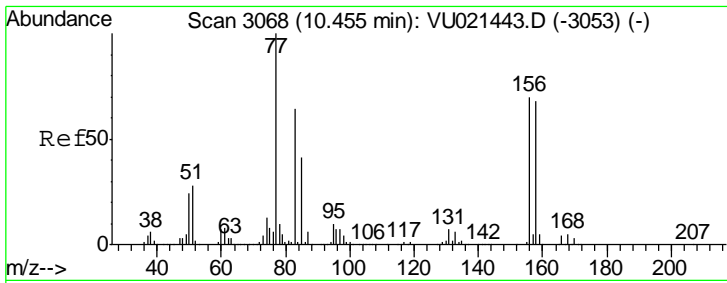
Tgt Ion	Resp	Lower	Upper
83	1014117		
83	100		
131	11.0	5.5	16.5
85	64.4	32.3	96.9



#76
 1,2,3-Trichloropropane
 Concen: 68.56 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
75	1163429		
75	100		
77	32.3	22.9	68.8

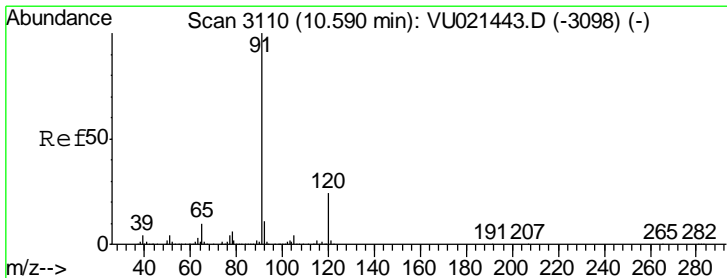
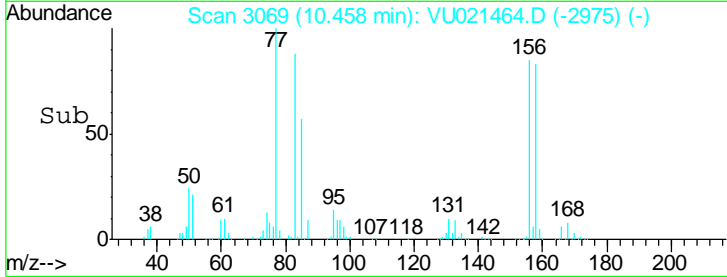
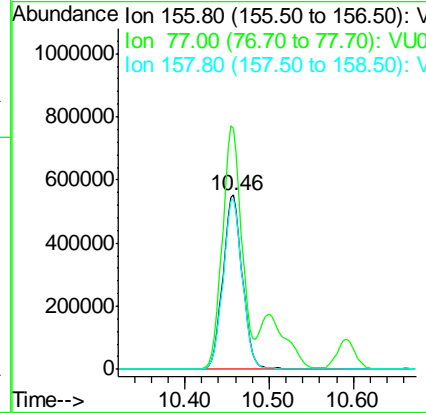
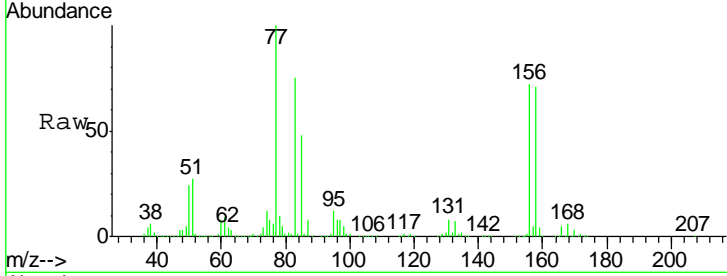




#77
 Bromobenzene
 Concen: 48.85 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

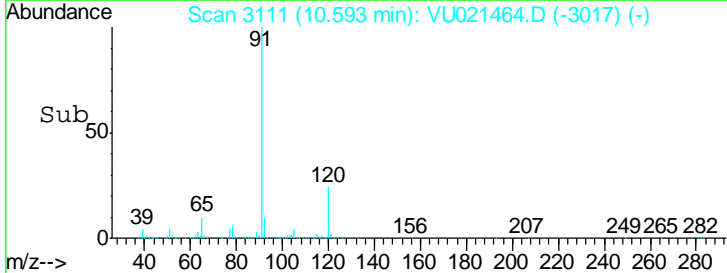
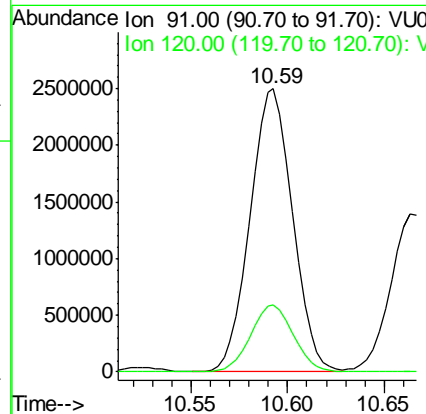
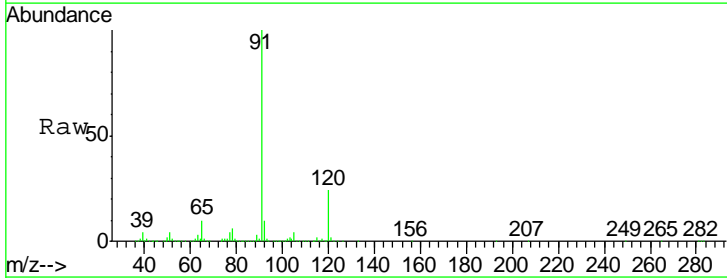
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

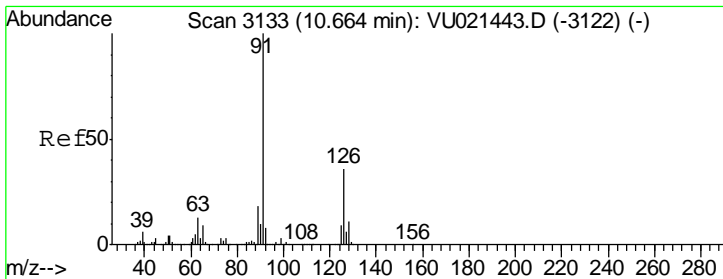
Tgt Ion	Resp	Lower	Upper
156	884150		
77	140.2	69.3	207.8
158	97.3	48.5	145.5



#78
 n-propylbenzene
 Concen: 50.42 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
91	3806932		
120	24.2	12.0	36.1



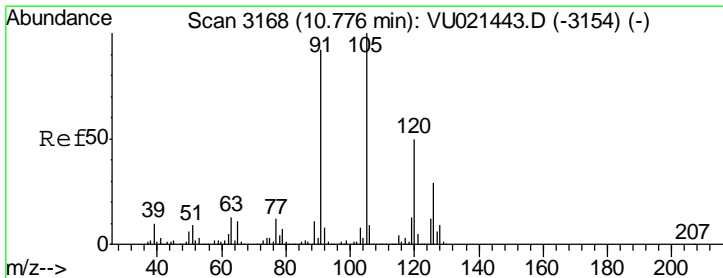
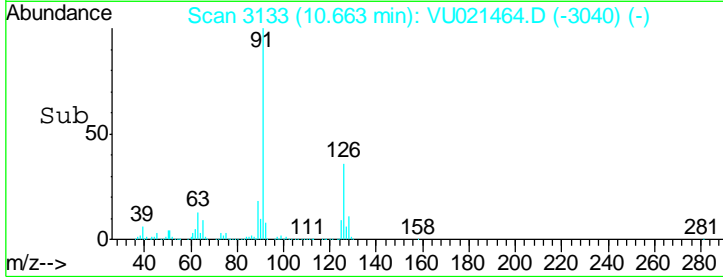
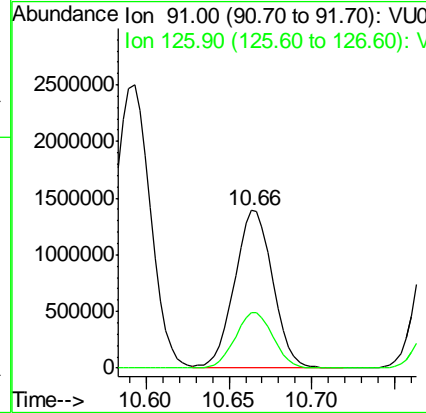
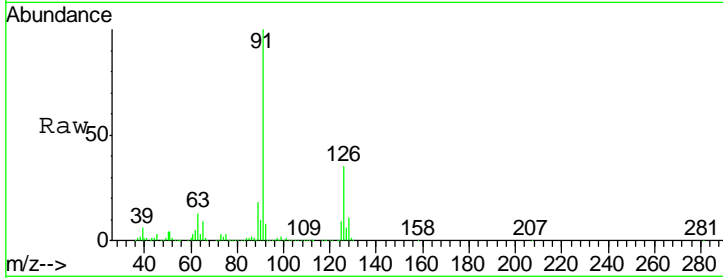


#79
 2-Chlorotoluene
 Concen: 49.57 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

Tgt Ion: 91 Resp: 2199044

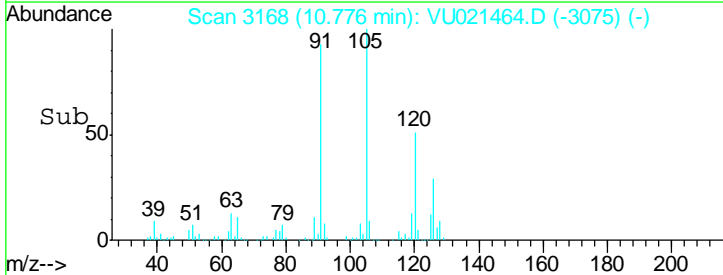
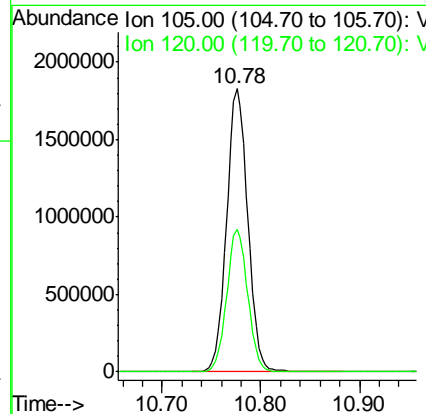
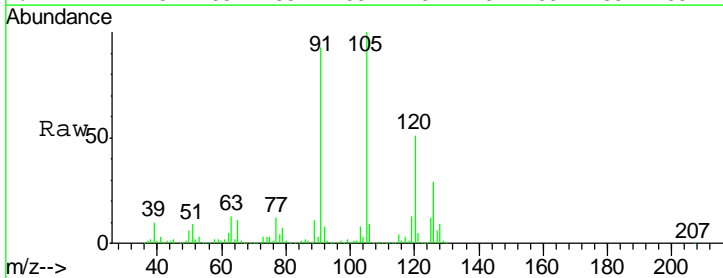
Ion	Ratio	Lower	Upper
91	100		
126	35.8	18.0	54.0

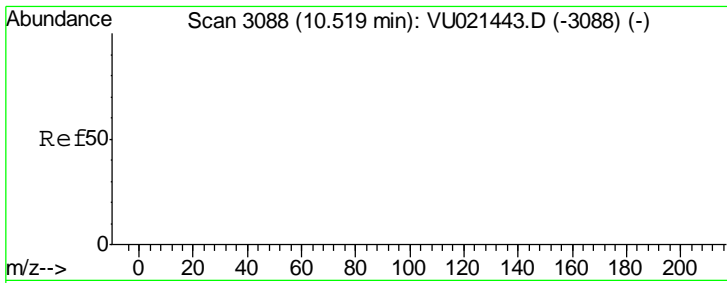


#80
 1,3,5-Trimethylbenzene
 Concen: 49.63 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion: 105 Resp: 2752392

Ion	Ratio	Lower	Upper
105	100		
120	50.1	24.9	74.6



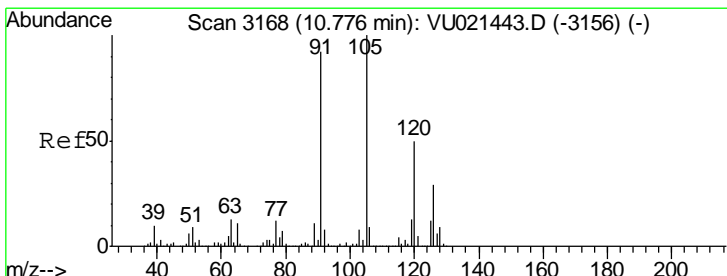
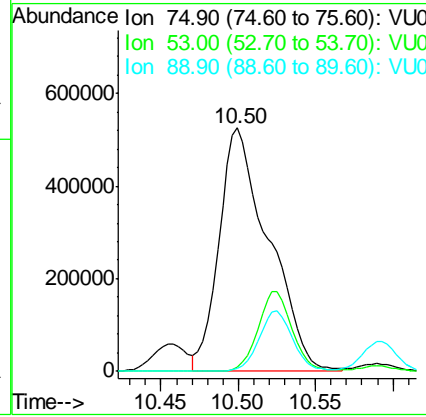
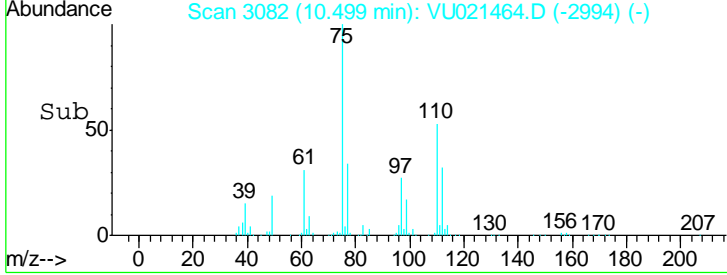
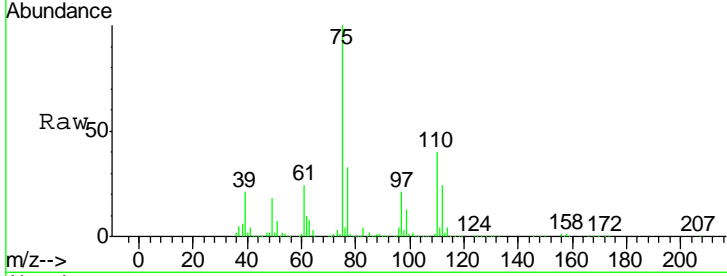


#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.13 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. -0.02 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

Tgt Ion: 75 Resp: 1167223

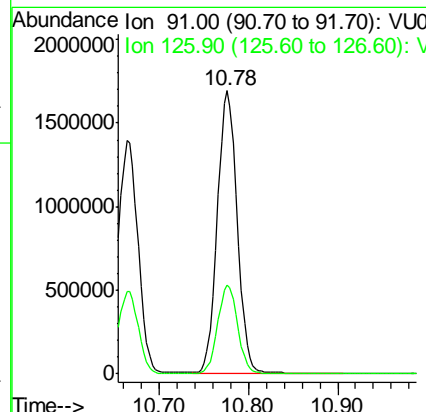
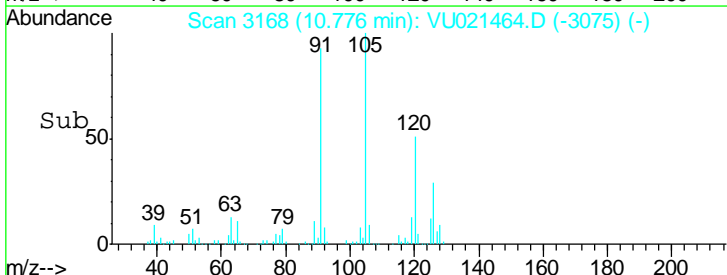
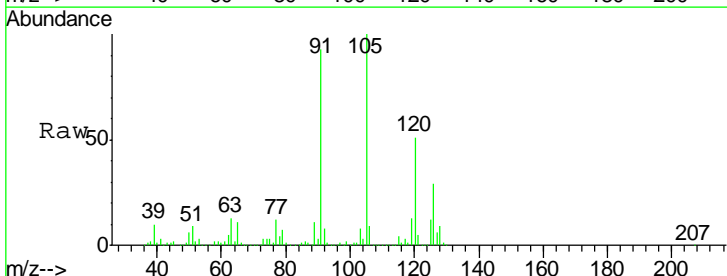
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

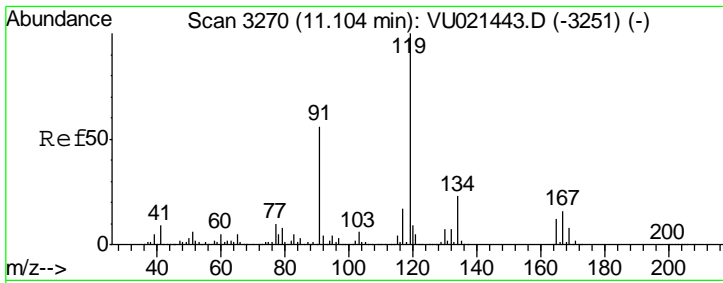


#82
 4-Chlorotoluene
 Concen: 50.14 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion: 91 Resp: 2617865

Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.9	47.7



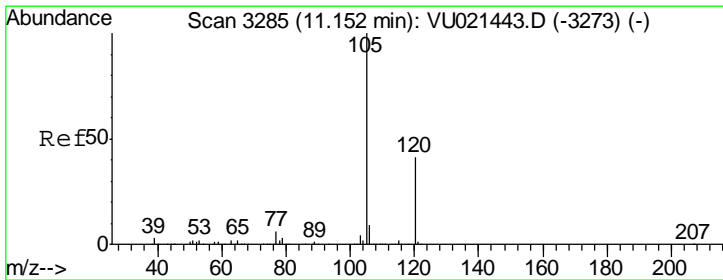
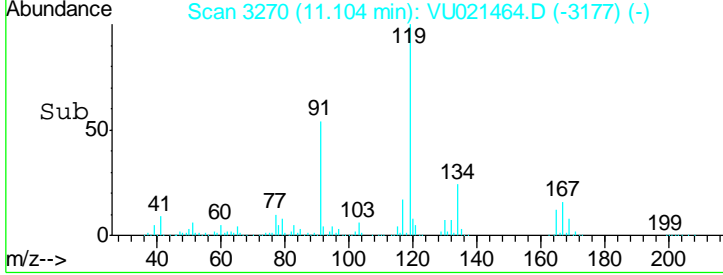
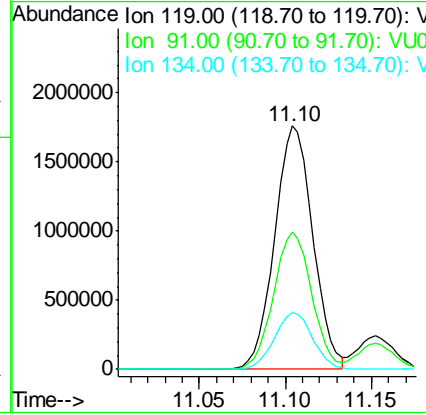
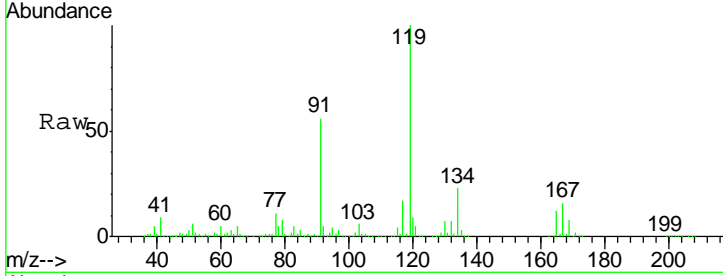


#83
 tert-Butylbenzene
 Concen: 49.41 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

Tgt Ion:119 Resp: 2707060

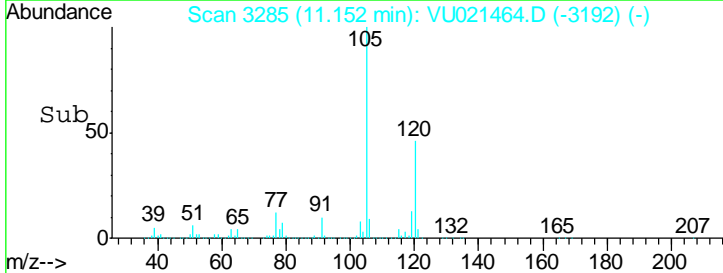
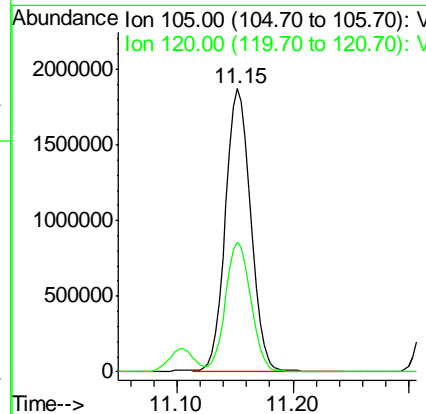
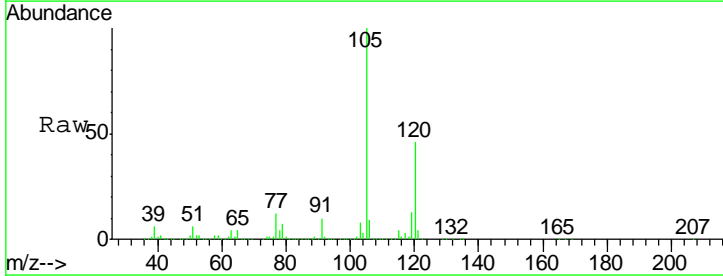
Ion	Ratio	Lower	Upper
119	100		
91	56.5	28.0	84.0
134	23.4	11.7	35.1

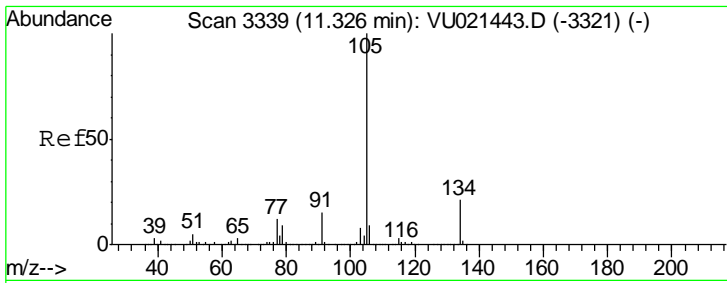


#84
 1,2,4-Trimethylbenzene
 Concen: 50.12 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion:105 Resp: 2827915

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.3



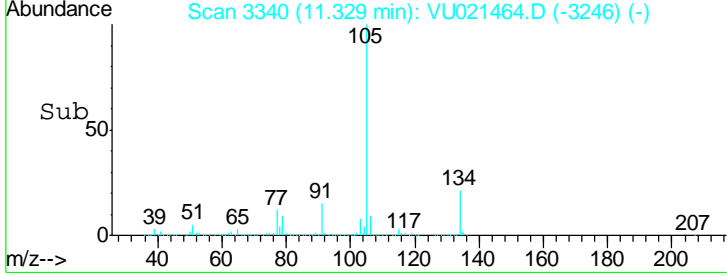
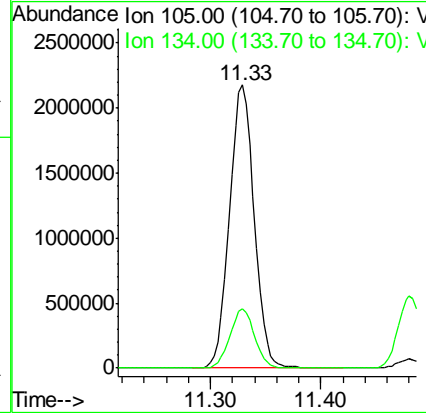
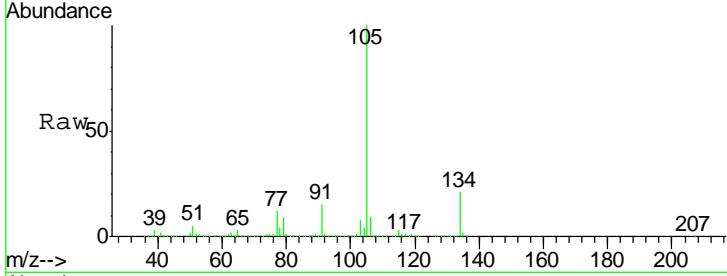


#85
 sec-Butylbenzene
 Concen: 50.56 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

Tgt Ion: 105 Resp: 3384017

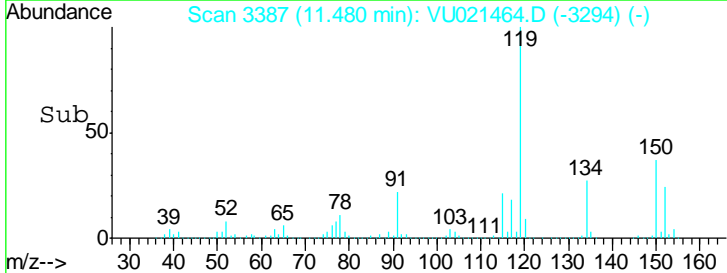
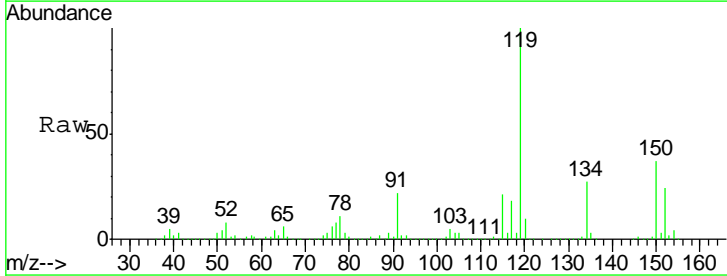
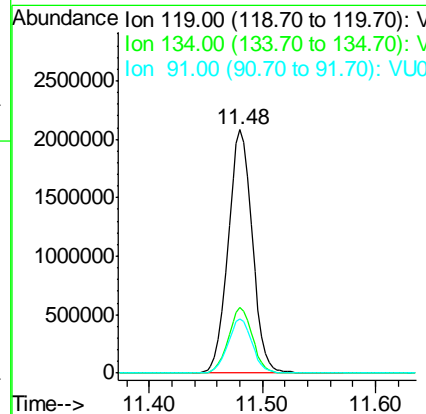
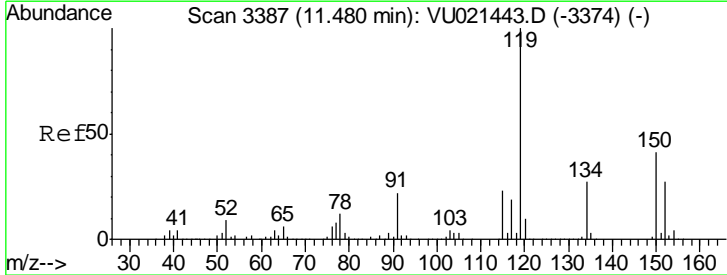
Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.4

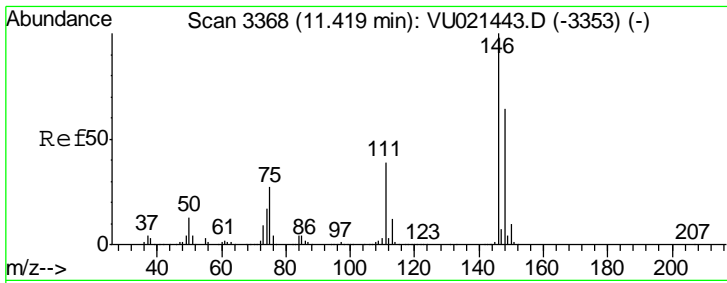


#86
 p-Isopropyltoluene
 Concen: 50.74 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion: 119 Resp: 3078904

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.6	40.7
91	22.4	11.2	33.6

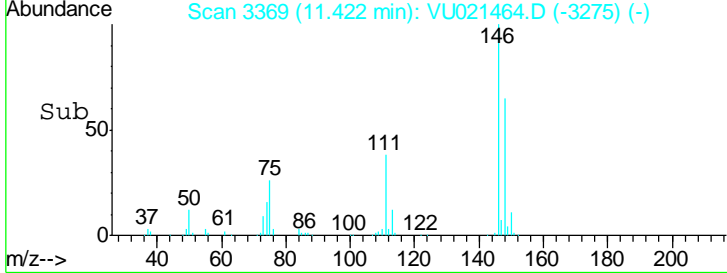
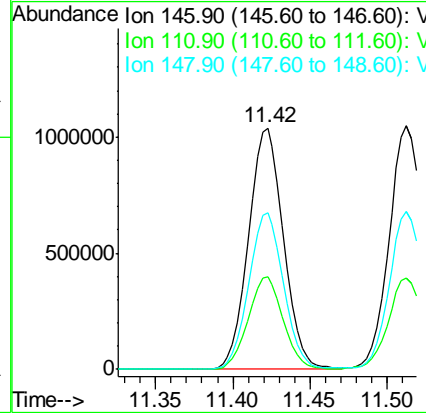
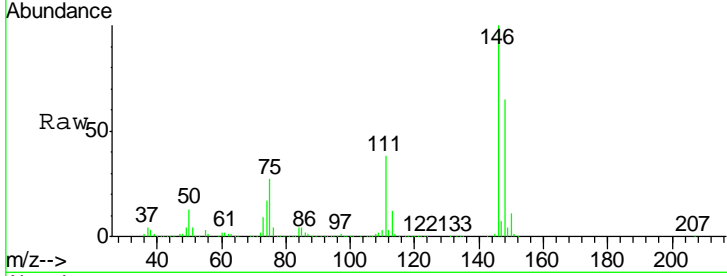




#87
 1,3-Dichlorobenzene
 Concen: 49.73 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

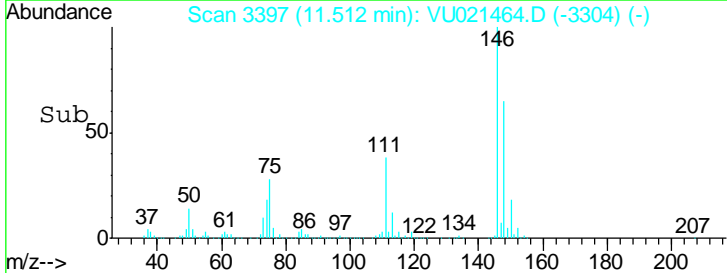
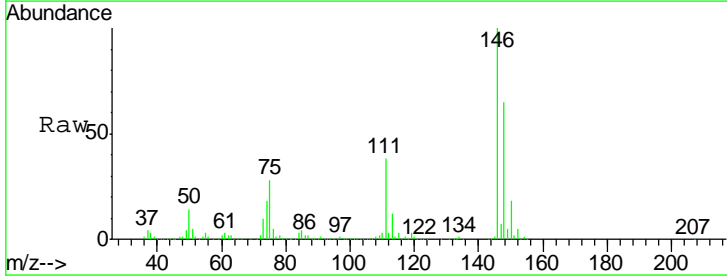
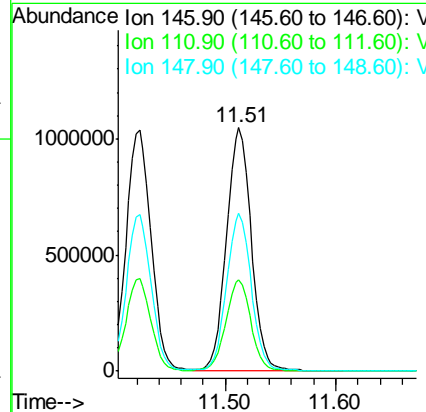
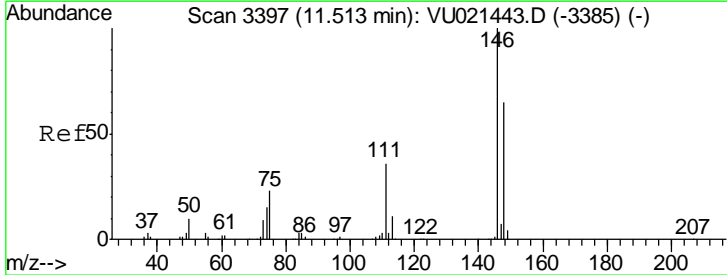
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

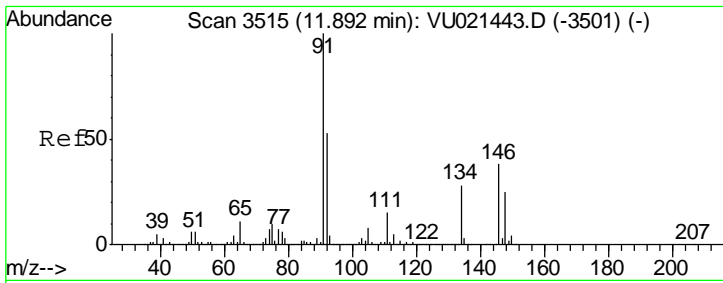
Tgt Ion	Resp	Lower	Upper
146	1637515		
111	38.1	19.1	57.5
148	64.5	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 48.63 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
146	1640568		
111	37.9	18.8	56.3
148	64.7	32.4	97.2

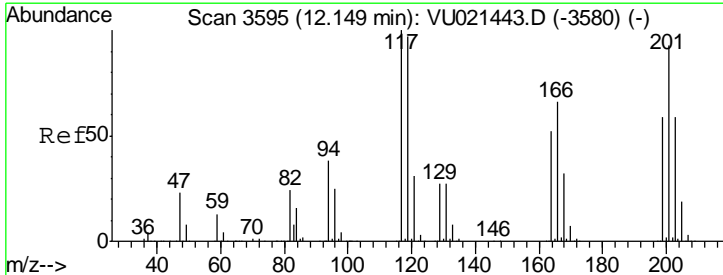
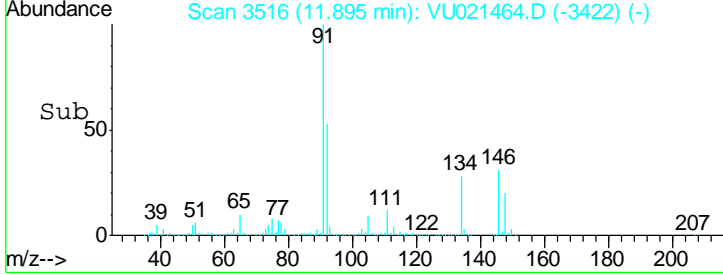
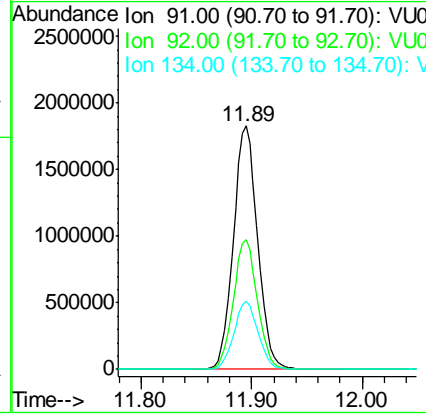
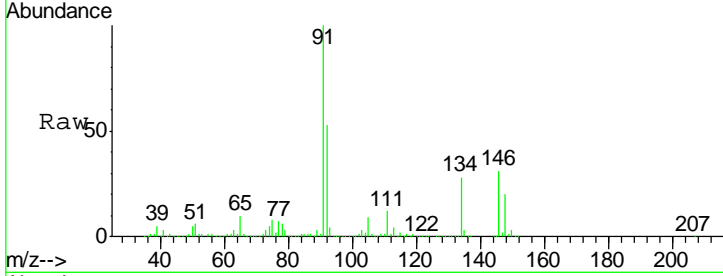




#89
 n-Butylbenzene
 Concen: 51.82 ug/l
 RT: 11.89 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

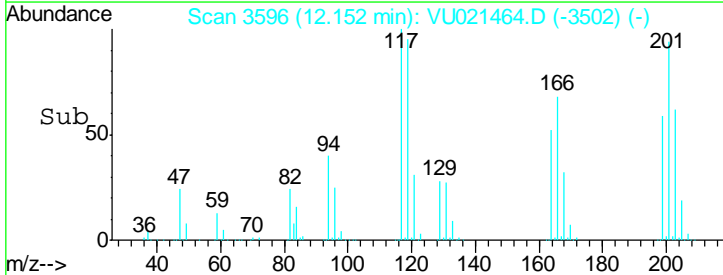
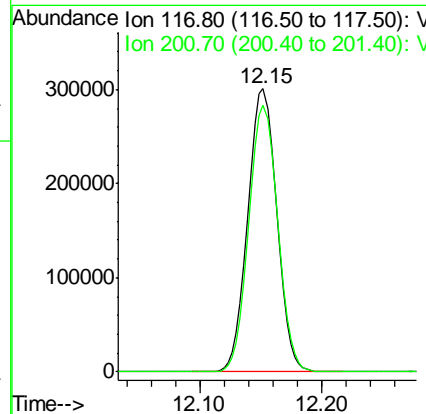
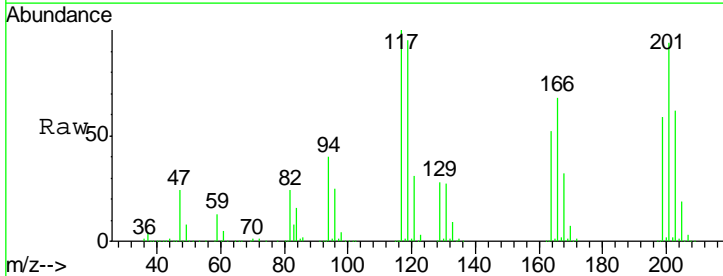
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

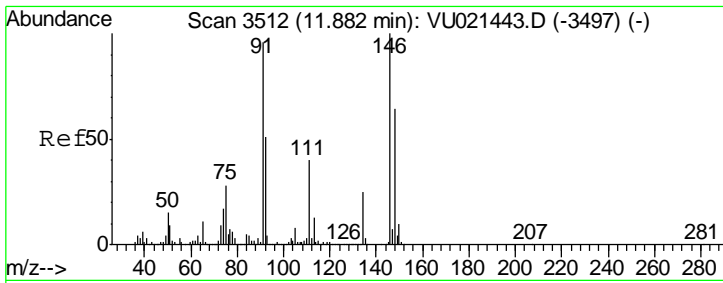
Tgt Ion	Resp	Lower	Upper
91	2773160		
92	53.0	26.5	79.5
134	27.9	14.0	42.0



#90
 Hexachloroethane
 Concen: 51.96 ug/l
 RT: 12.15 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
117	492054		
201	93.9	47.4	142.3

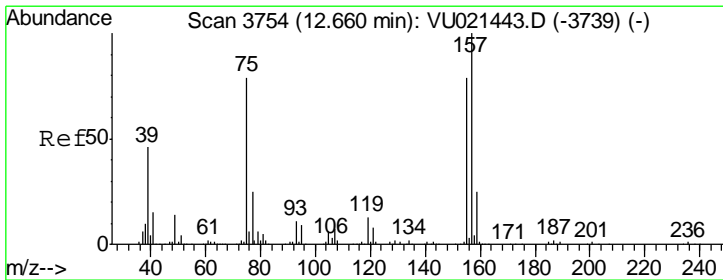
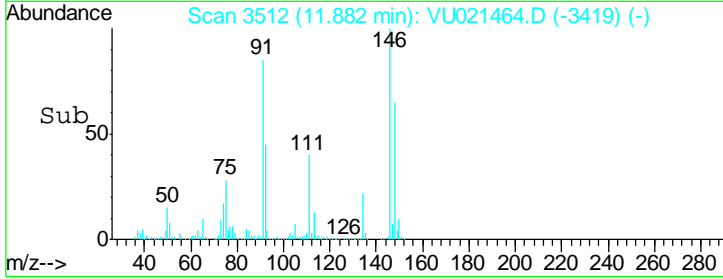
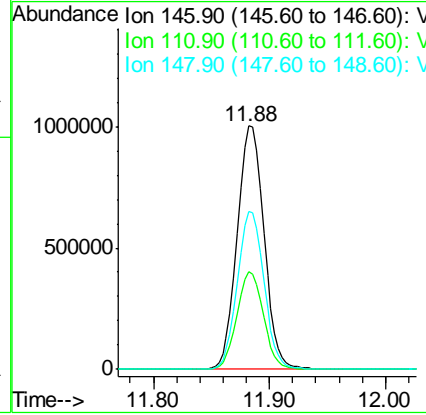
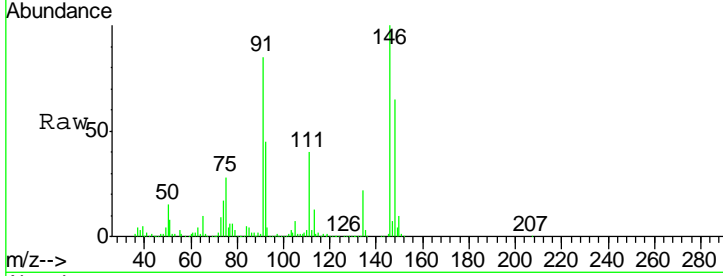




#91
 1,2-Dichlorobenzene
 Concen: 48.91 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

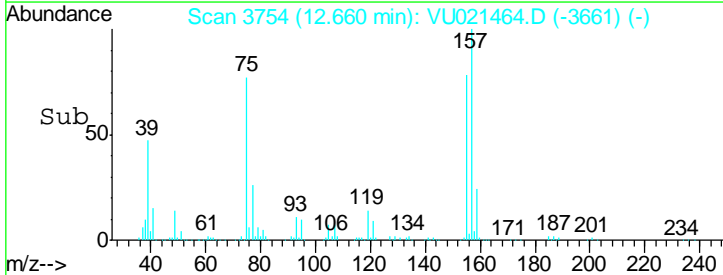
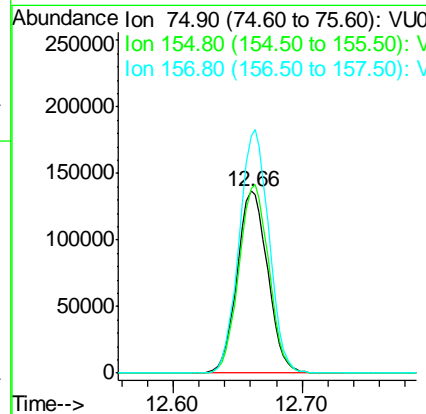
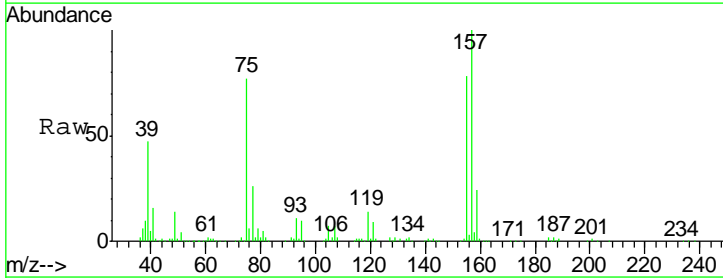
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

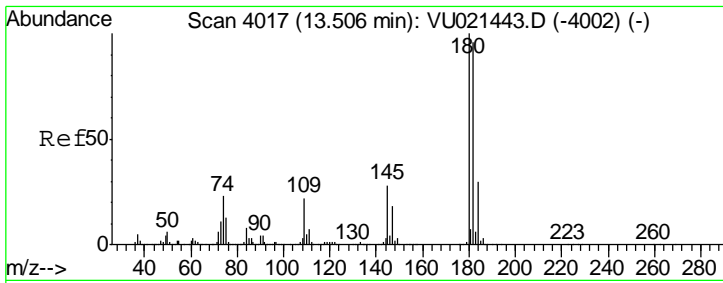
Tgt Ion	Resp	Lower	Upper
146	1601764		
146	100		
111	39.5	19.9	59.7
148	64.5	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.43 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
75	226585		
75	100		
155	101.1	51.0	153.1
157	129.9	64.5	193.6

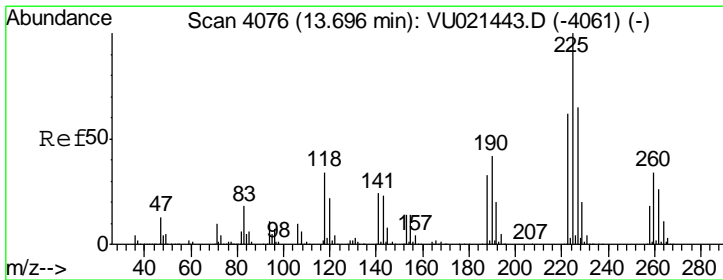
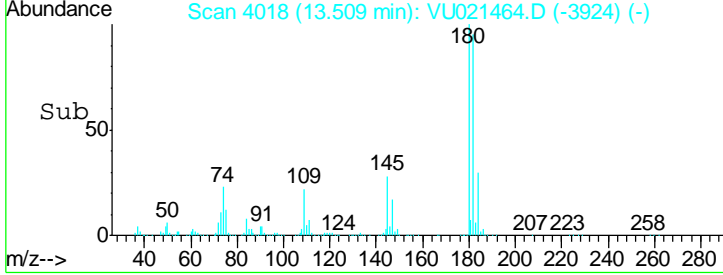
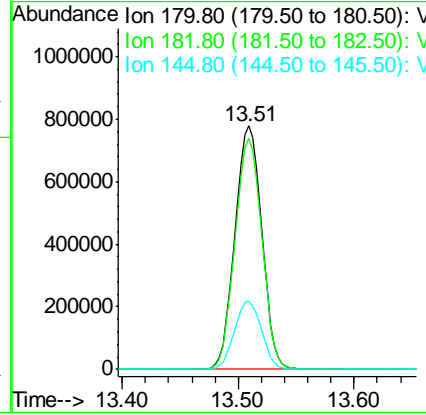
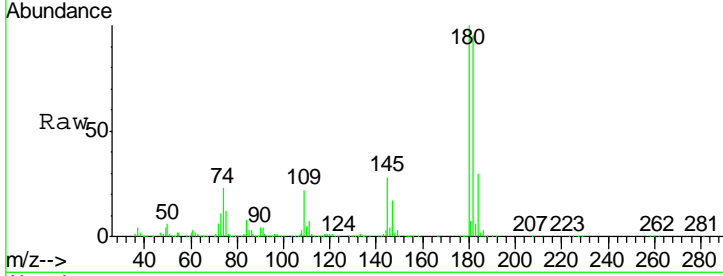




#93
 1,2,4-Trichlorobenzene
 Concen: 52.98 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

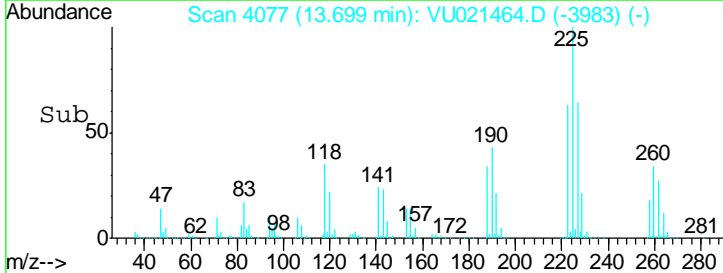
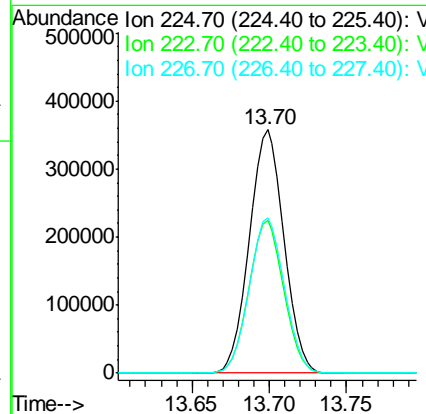
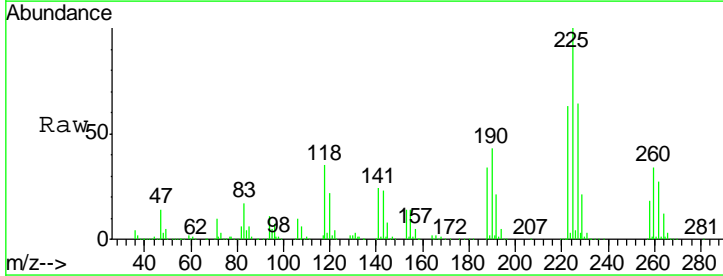
Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

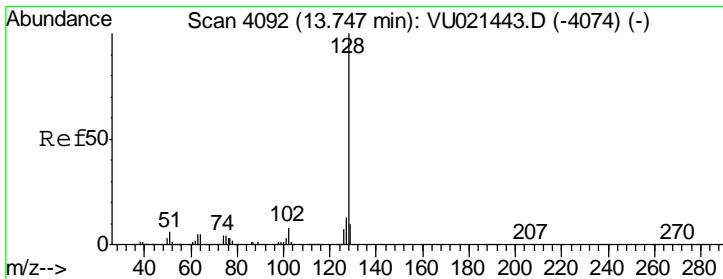
Tgt Ion	Resp	Lower	Upper
180	1239219		
182	95.1	48.2	144.6
145	28.3	14.0	42.0



#94
 Hexachlorobutadiene
 Concen: 50.04 ug/l
 RT: 13.70 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion	Resp	Lower	Upper
225	557514		
223	62.8	30.9	92.7
227	64.6	32.6	97.7



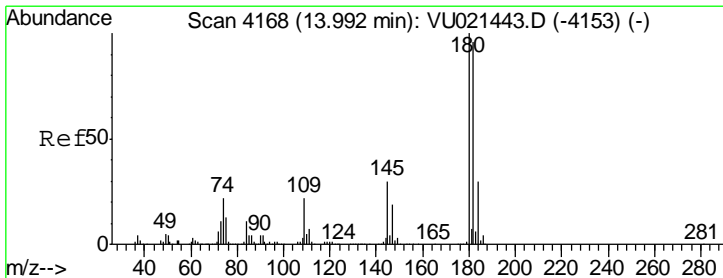
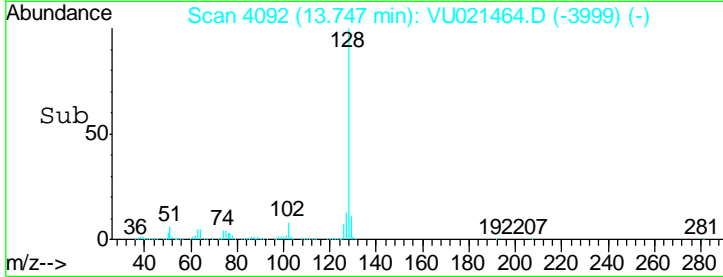
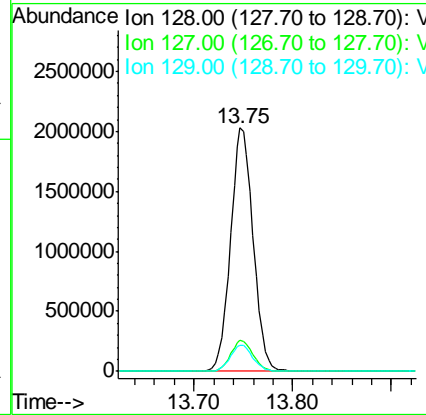
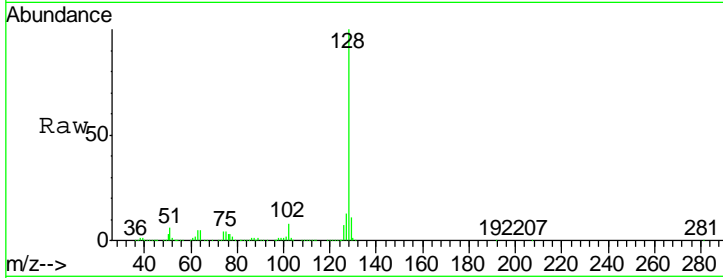


#95
 Naphthalene
 Concen: 53.60 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. -0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

Tgt Ion:128 Resp: 3258570

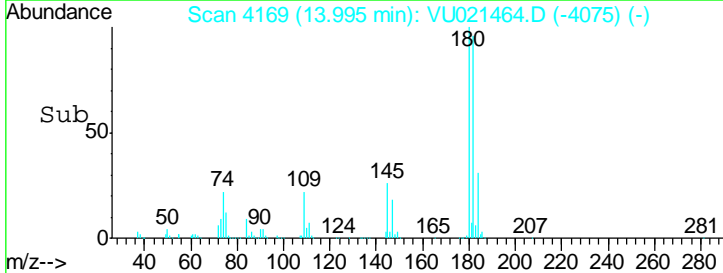
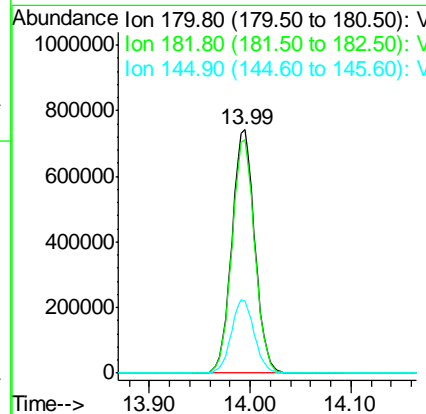
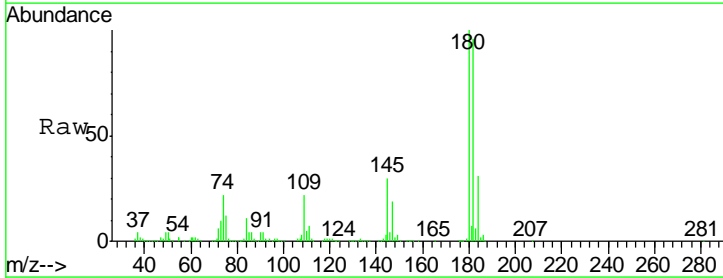
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.7	8.6	12.8



#96
 1,2,3-Trichlorobenzene
 Concen: 51.77 ug/l
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.00 min
 Lab File: VU021464.D
 Acq: 04 Jan 2018 10:35

Tgt Ion:180 Resp: 1175730

Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.1	144.3
145	30.2	14.9	44.9



Data Path : W:\HPCHEM1\MSVOA U\Data\VU010418\
 Data File : VU021464.D
 Acq On : 04 Jan 2018 10:35
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 04 13:03:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2 T	Dichlorodifluoromethane	50.000	47.877	4.2	98	0.00
3 P	Chloromethane	50.000	45.782	8.4	95	0.00
4 C	Vinyl Chloride	50.000	48.218	3.6#	96	0.00
5 T	Bromomethane	50.000	45.097	9.8	96	0.00
6 T	Chloroethane	50.000	50.002	-0.0	97	0.00
7 T	Trichlorofluoromethane	50.000	48.924	2.2	98	0.00
8 T	Diethyl Ether	50.000	48.924	2.2	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.191	1.6	99	0.00
10 T	Methyl Iodide	50.000	50.048	-0.1	100	0.00
11 T	Tert butyl alcohol	250.000	232.791	6.9	95	0.00
12 CM	1,1-Dichloroethene	50.000	49.107	1.8#	97	0.00
13 T	Acrolein	250.000	227.728	8.9	94	0.00
14 T	Allyl chloride	50.000	47.964	4.1	97	0.00
15 T	Acrylonitrile	250.000	247.048	1.2	97	0.00
16 T	Acetone	250.000	296.998	-18.8	115	0.00
17 T	Carbon Disulfide	50.000	47.833	4.3	96	0.00
18 T	Methyl Acetate	50.000	50.238	-0.5	98	0.00
19 T	Methyl tert-butyl Ether	50.000	48.590	2.8	97	0.00
20 T	Methylene Chloride	50.000	48.138	3.7	98	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.129	1.7	97	0.00
22 T	Diisopropyl ether	50.000	48.765	2.5	96	0.00
23 T	Vinyl Acetate	250.000	253.465	-1.4	99	0.00
24 P	1,1-Dichloroethane	50.000	48.567	2.9	97	0.00
25 T	2-Butanone	250.000	268.498	-7.4	104	0.00
26 T	2,2-Dichloropropane	50.000	50.169	-0.3	98	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.581	2.8	96	0.00
28 T	Bromochloromethane	50.000	49.423	1.2	101	0.00
29 T	Tetrahydrofuran	250.000	239.264	4.3	96	0.00
30 C	Chloroform	50.000	49.290	1.4#	96	0.00
31 T	Cyclohexane	50.000	49.730	0.5	98	0.00
32 T	1,1,1-Trichloroethane	50.000	49.247	1.5	97	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.324	-4.6	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35 S	Dibromofluoromethane	50.000	51.276	-2.6	102	0.00
36 T	1,1-Dichloropropene	50.000	49.099	1.8	97	0.00
37 T	Ethyl Acetate	50.000	50.045	-0.1	97	0.00
38 T	Carbon Tetrachloride	50.000	50.406	-0.8	98	0.00
39 T	Methylcyclohexane	50.000	50.443	-0.9	99	0.00
40 TM	Benzene	50.000	49.383	1.2	97	0.00
41 T	Methacrylonitrile	50.000	50.492	-1.0	97	0.00
42 TM	1,2-Dichloroethane	50.000	49.128	1.7	96	0.00
43 T	Isopropyl Acetate	50.000	49.747	0.5	97	0.00
44 TM	Trichloroethene	50.000	48.691	2.6	97	0.00
45 C	1,2-Dichloropropane	50.000	49.193	1.6#	96	0.00

Data Path : W:\HPCHEM1\MSVOA U\Data\VU010418\
 Data File : VU021464.D
 Acq On : 04 Jan 2018 10:35
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 04 13:03:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	51.094	-2.2	99	0.00
47 T	Bromodichloromethane	50.000	51.363	-2.7	98	0.00
48 T	Methyl methacrylate	50.000	50.633	-1.3	97	0.00
49 T	1,4-Dioxane	1000.000	946.682	5.3	94	0.00
50 S	Toluene-d8	50.000	55.571	-11.1	102	0.00
51 T	4-Methyl-2-Pentanone	250.000	253.868	-1.5	97	0.00
52 CM	Toluene	50.000	50.246	-0.5#	98	0.00
53 T	t-1,3-Dichloropropene	50.000	53.274	-6.5	99	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.145	-4.3	97	0.00
55 T	1,1,2-Trichloroethane	50.000	50.355	-0.7	97	0.00
56 T	Ethyl methacrylate	50.000	51.002	-2.0	97	0.00
57 T	1,3-Dichloropropane	50.000	50.540	-1.1	97	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	278.273	-11.3	104	0.00
59 T	2-Hexanone	250.000	266.410	-6.6	101	0.00
60 T	Dibromochloromethane	50.000	52.915	-5.8	98	0.00
61 T	1,2-Dibromoethane	50.000	51.002	-2.0	96	0.00
62 S	4-Bromofluorobenzene	50.000	50.605	-1.2	103	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64 T	Tetrachloroethene	50.000	48.757	2.5	97	0.00
65 PM	Chlorobenzene	50.000	49.609	0.8	98	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.094	-2.2	97	0.00
67 C	Ethyl Benzene	50.000	50.237	-0.5#	97	0.00
68 T	m/p-Xylenes	100.000	100.559	-0.6	97	0.00
69 T	o-Xylene	50.000	50.565	-1.1	97	0.00
70 T	Styrene	50.000	51.755	-3.5	99	0.00
71 P	Bromoform	50.000	52.274	-4.5	97	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73 T	Isopropylbenzene	50.000	49.510	1.0	98	0.00
74 T	N-amyl acetate	50.000	51.476	-3.0	97	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.660	0.7	99	0.00
76 T	1,2,3-Trichloropropane	50.000	68.563	-37.1#	141	0.00
77 T	Bromobenzene	50.000	48.849	2.3	98	0.00
78 T	n-propylbenzene	50.000	50.422	-0.8	99	0.00
79 T	2-Chlorotoluene	50.000	49.575	0.8	99	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.634	0.7	98	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	158.134	-216.3#	467	-0.02
82 T	4-Chlorotoluene	50.000	50.144	-0.3	99	0.00
83 T	tert-Butylbenzene	50.000	49.408	1.2	97	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.124	-0.2	99	0.00
85 T	sec-Butylbenzene	50.000	50.559	-1.1	100	0.00
86 T	p-Isopropyltoluene	50.000	50.742	-1.5	100	0.00
87 T	1,3-Dichlorobenzene	50.000	49.730	0.5	99	0.00
88 T	1,4-Dichlorobenzene	50.000	48.631	2.7	99	0.00
89 T	n-Butylbenzene	50.000	51.815	-3.6	101	0.00

Data Path : W:\HPCHEM1\MSVOA U\Data\VU010418\
 Data File : VU021464.D
 Acq On : 04 Jan 2018 10:35
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 04 13:03:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	51.961	-3.9	99	0.00
91 T	1,2-Dichlorobenzene	50.000	48.908	2.2	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.432	-2.9	98	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.981	-6.0	100	0.00
94 T	Hexachlorobutadiene	50.000	50.038	-0.1	100	0.00
95 T	Naphthalene	50.000	53.598	-7.2	98	0.00
96 T	1,2,3-Trichlorobenzene	50.000	51.768	-3.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : W:\HPCHEM1\MSVOA U\Data\VU010418\
 Data File : VU021464.D
 Acq On : 04 Jan 2018 10:35
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 04 13:03:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2 T	Dichlorodifluoromethane	0.408	0.391	4.2	98	0.00
3 P	Chloromethane	0.491	0.450	8.4	95	0.00
4 C	Vinyl Chloride	0.496	0.478	3.6#	96	0.00
5 T	Bromomethane	0.348	0.314	9.8	96	0.00
6 T	Chloroethane	0.296	0.296	0.0	97	0.00
7 T	Trichlorofluoromethane	0.703	0.688	2.1	98	0.00
8 T	Diethyl Ether	0.292	0.285	2.4	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.450	0.443	1.6	99	0.00
10 T	Methyl Iodide	0.579	0.627	-8.3	100	0.00
11 T	Tert butyl alcohol	0.106	0.099	6.6	95	0.00
12 CM	1,1-Dichloroethene	0.420	0.412	1.9#	97	0.00
13 T	Acrolein	0.076	0.069	9.2	94	0.00
14 T	Allyl chloride	0.647	0.620	4.2	97	0.00
15 T	Acrylonitrile	0.244	0.241	1.2	97	0.00
16 T	Acetone	0.253	0.301	-19.0	115	0.00
17 T	Carbon Disulfide	1.202	1.150	4.3	96	0.00
18 T	Methyl Acetate	0.541	0.543	-0.4	98	0.00
19 T	Methyl tert-butyl Ether	1.415	1.375	2.8	97	0.00
20 T	Methylene Chloride	0.475	0.457	3.8	98	0.00
21 T	trans-1,2-Dichloroethene	0.450	0.442	1.8	97	0.00
22 T	Diisopropyl ether	1.265	1.234	2.5	96	0.00
23 T	Vinyl Acetate	1.008	1.022	-1.4	99	0.00
24 P	1,1-Dichloroethane	0.787	0.764	2.9	97	0.00
25 T	2-Butanone	0.322	0.346	-7.5	104	0.00
26 T	2,2-Dichloropropane	0.674	0.676	-0.3	98	0.00
27 T	cis-1,2-Dichloroethene	0.523	0.508	2.9	96	0.00
28 T	Bromochloromethane	0.328	0.324	1.2	101	0.00
29 T	Tetrahydrofuran	0.188	0.180	4.3	96	0.00
30 C	Chloroform	0.809	0.797	1.5#	96	0.00
31 T	Cyclohexane	0.851	0.684	19.6	98	0.00
32 T	1,1,1-Trichloroethane	0.710	0.699	1.5	97	0.00
33 S	1,2-Dichloroethane-d4	0.427	0.446	-4.4	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35 S	Dibromofluoromethane	0.277	0.284	-2.5	102	0.00
36 T	1,1-Dichloropropene	0.428	0.420	1.9	97	0.00
37 T	Ethyl Acetate	0.379	0.379	0.0	97	0.00
38 T	Carbon Tetrachloride	0.419	0.423	-1.0	98	0.00
39 T	Methylcyclohexane	0.534	0.539	-0.9	99	0.00
40 TM	Benzene	1.253	1.237	1.3	97	0.00
41 T	Methacrylonitrile	0.208	0.210	-1.0	97	0.00
42 TM	1,2-Dichloroethane	0.427	0.419	1.9	96	0.00
43 T	Isopropyl Acetate	0.633	0.630	0.5	97	0.00
44 TM	Trichloroethene	0.379	0.369	2.6	97	0.00
45 C	1,2-Dichloropropane	0.318	0.313	1.6#	96	0.00

Data Path : W:\HPCHEM1\MSVOA U\Data\VU010418\
 Data File : VU021464.D
 Acq On : 04 Jan 2018 10:35
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 04 13:03:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.222	0.227	-2.3	99	0.00
47 T	Bromodichloromethane	0.407	0.418	-2.7	98	0.00
48 T	Methyl methacrylate	0.314	0.318	-1.3	97	0.00
49 T	1,4-Dioxane	0.008	0.007	12.5	94	0.00
50 S	Toluene-d8	0.882	0.981	-11.2	102	0.00
51 T	4-Methyl-2-Pentanone	0.387	0.393	-1.6	97	0.00
52 CM	Toluene	0.804	0.808	-0.5#	98	0.00
53 T	t-1,3-Dichloropropene	0.455	0.484	-6.4	99	0.00
54 T	cis-1,3-Dichloropropene	0.493	0.514	-4.3	97	0.00
55 T	1,1,2-Trichloroethane	0.319	0.321	-0.6	97	0.00
56 T	Ethyl methacrylate	0.479	0.488	-1.9	97	0.00
57 T	1,3-Dichloropropane	0.527	0.533	-1.1	97	0.00
58 T	2-Chloroethyl Vinyl ether	0.179	0.199	-11.2	104	0.00
59 T	2-Hexanone	0.305	0.325	-6.6	101	0.00
60 T	Dibromochloromethane	0.336	0.356	-6.0	98	0.00
61 T	1,2-Dibromoethane	0.350	0.357	-2.0	96	0.00
62 S	4-Bromofluorobenzene	0.411	0.416	-1.2	103	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64 T	Tetrachloroethene	0.393	0.383	2.5	97	0.00
65 PM	Chlorobenzene	1.029	1.021	0.8	98	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.359	-2.0	97	0.00
67 C	Ethyl Benzene	1.706	1.714	-0.5#	97	0.00
68 T	m/p-Xylenes	0.663	0.667	-0.6	97	0.00
69 T	o-Xylene	0.636	0.643	-1.1	97	0.00
70 T	Styrene	1.059	1.096	-3.5	99	0.00
71 P	Bromoform	0.298	0.312	-4.7	97	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73 T	Isopropylbenzene	3.154	3.124	1.0	98	0.00
74 T	N-amyl acetate	1.069	1.101	-3.0	97	0.00
75 P	1,1,2,2-Tetrachloroethane	0.977	0.970	0.7	99	0.00
76 T	1,2,3-Trichloropropane	0.812	1.113	-37.1#	141	0.00
77 T	Bromobenzene	0.866	0.846	2.3	98	0.00
78 T	n-propylbenzene	3.612	3.643	-0.9	99	0.00
79 T	2-Chlorotoluene	2.122	2.104	0.8	99	0.00
80 T	1,3,5-Trimethylbenzene	2.653	2.634	0.7	98	0.00
81 T	trans-1,4-Dichloro-2-butene	0.262	1.117	-326.3#	467#	-0.02
82 T	4-Chlorotoluene	2.498	2.505	-0.3	99	0.00
83 T	tert-Butylbenzene	2.621	2.590	1.2	97	0.00
84 T	1,2,4-Trimethylbenzene	2.699	2.706	-0.3	99	0.00
85 T	sec-Butylbenzene	3.202	3.238	-1.1	100	0.00
86 T	p-Isopropyltoluene	2.903	2.946	-1.5	100	0.00
87 T	1,3-Dichlorobenzene	1.575	1.567	0.5	99	0.00
88 T	1,4-Dichlorobenzene	1.614	1.570	2.7	99	0.00
89 T	n-Butylbenzene	2.561	2.654	-3.6	101	0.00

Data Path : W:\HPCHEM1\MSVOA U\Data\VU010418\
 Data File : VU021464.D
 Acq On : 04 Jan 2018 10:35
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC050

Quant Time: Jan 04 13:03:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.453	0.471	-4.0	99	0.00
91 T	1,2-Dichlorobenzene	1.567	1.533	2.2	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.211	0.217	-2.8	98	0.00
93 T	1,2,4-Trichlorobenzene	1.119	1.186	-6.0	100	0.00
94 T	Hexachlorobutadiene	0.533	0.533	0.0	100	0.00
95 T	Naphthalene	2.909	3.118	-7.2	98	0.00
96 T	1,2,3-Trichlorobenzene	1.087	1.125	-3.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

QC SAMPLE
DATA

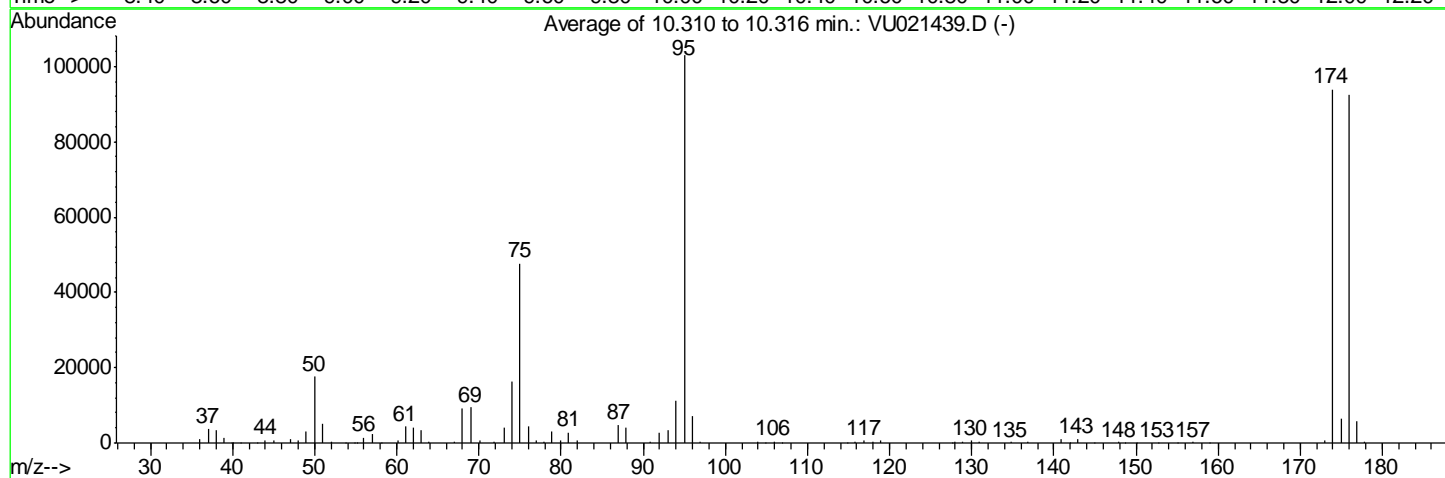
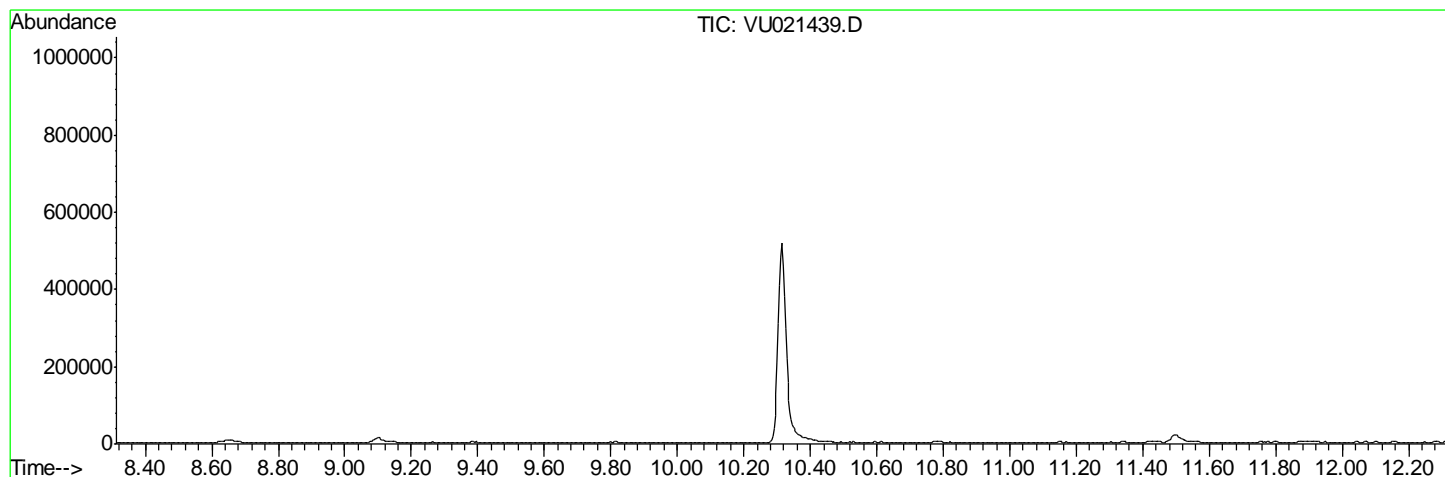
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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010318\
 Data File : VU021439.D
 Acq On : 03 Jan 2018 12:23
 Operator : MD/SY
 Sample : BFB
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260
 Last Update : Wed Jan 03 15:42:05 2018



AutoFind: Scans 3023, 3024, 3025; Background Corrected with Scan 3009

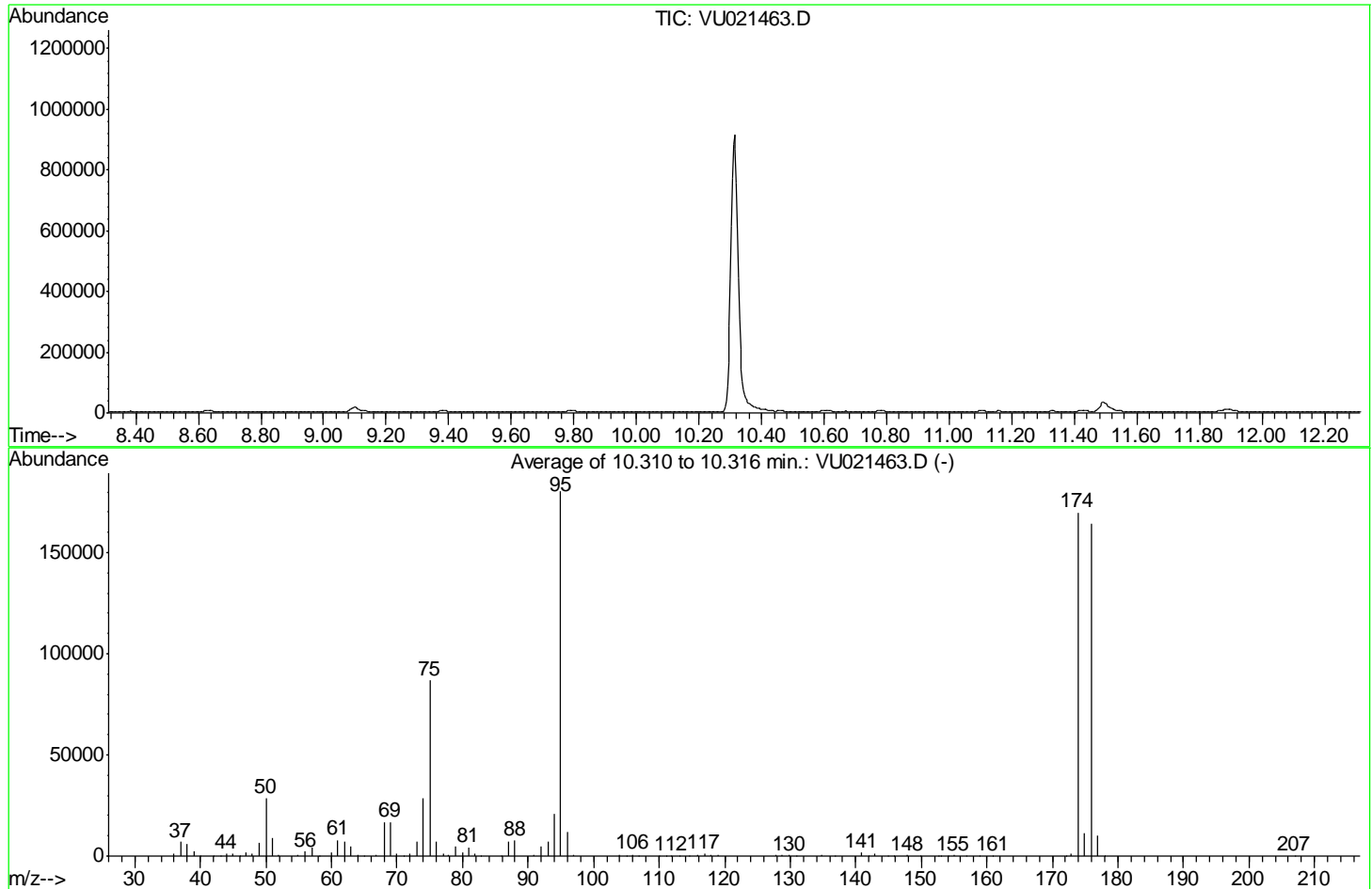
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.0	17520	PASS
75	95	30	60	46.3	47624	PASS
95	95	100	100	100.0	102941	PASS
96	95	5	9	7.1	7267	PASS
173	174	0.00	2	0.7	693	PASS
174	95	50	100	91.3	93946	PASS
175	174	5	9	6.8	6382	PASS
176	174	95	101	98.4	92453	PASS
177	176	5	9	6.2	5765	PASS

Data Path : W:\HPCHEM1\MSVOA U\Data\VU010418\
 Data File : VU021463.D
 Acq On : 04 Jan 2018 09:58
 Operator : MD/SY
 Sample : BFB
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260
 Last Update : Wed Jan 03 15:42:05 2018



AutoFind: Scans 3023, 3024, 3025; Background Corrected with Scan 3009

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.7	28301	PASS
75	95	30	60	48.2	86845	PASS
95	95	100	100	100.0	180224	PASS
96	95	5	9	6.6	11867	PASS
173	174	0.00	2	0.8	1284	PASS
174	95	50	100	94.2	169834	PASS
175	174	5	9	6.8	11523	PASS
176	174	95	101	96.8	164416	PASS
177	176	5	9	6.3	10311	PASS



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VU0104WBL01	SDG No.:	17090
Lab Sample ID:	VU0104WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021465.D	1		01/04/18 11:36	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VU0104WBL01	SDG No.:	17090
Lab Sample ID:	VU0104WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021465.D	1		01/04/18 11:36	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		61 - 141		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		69 - 133		99%	SPK: 50
2037-26-5	Toluene-d8	54		65 - 126		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		58 - 135		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1412990	4.99				
540-36-3	1,4-Difluorobenzene	2024460	5.89				
3114-55-4	Chlorobenzene-d5	1848490	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	974309	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VU0104WBL01	SDG No.:	17090
Lab Sample ID:	VU0104WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021465.D	1		01/04/18 11:36	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021465.D
 Acq On : 04 Jan 2018 11:36
 Operator : MD/SY
 Sample : VU0104WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0104WBL01

Quant Time: Jan 04 13:29:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1412991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	2024460	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1848489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	974309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	609475	50.56	ug/l	0.00
Spiked Amount						
						Recovery = 101.12%
35) Dibromofluoromethane	4.89	113	557365	49.73	ug/l	0.00
Spiked Amount						
						Recovery = 99.46%
50) Toluene-d8	7.57	98	1929986	54.03	ug/l	0.00
Spiked Amount						
						Recovery = 108.06%
62) 4-Bromofluorobenzene	10.31	95	796896	47.87	ug/l	0.00
Spiked Amount						
						Recovery = 95.74%

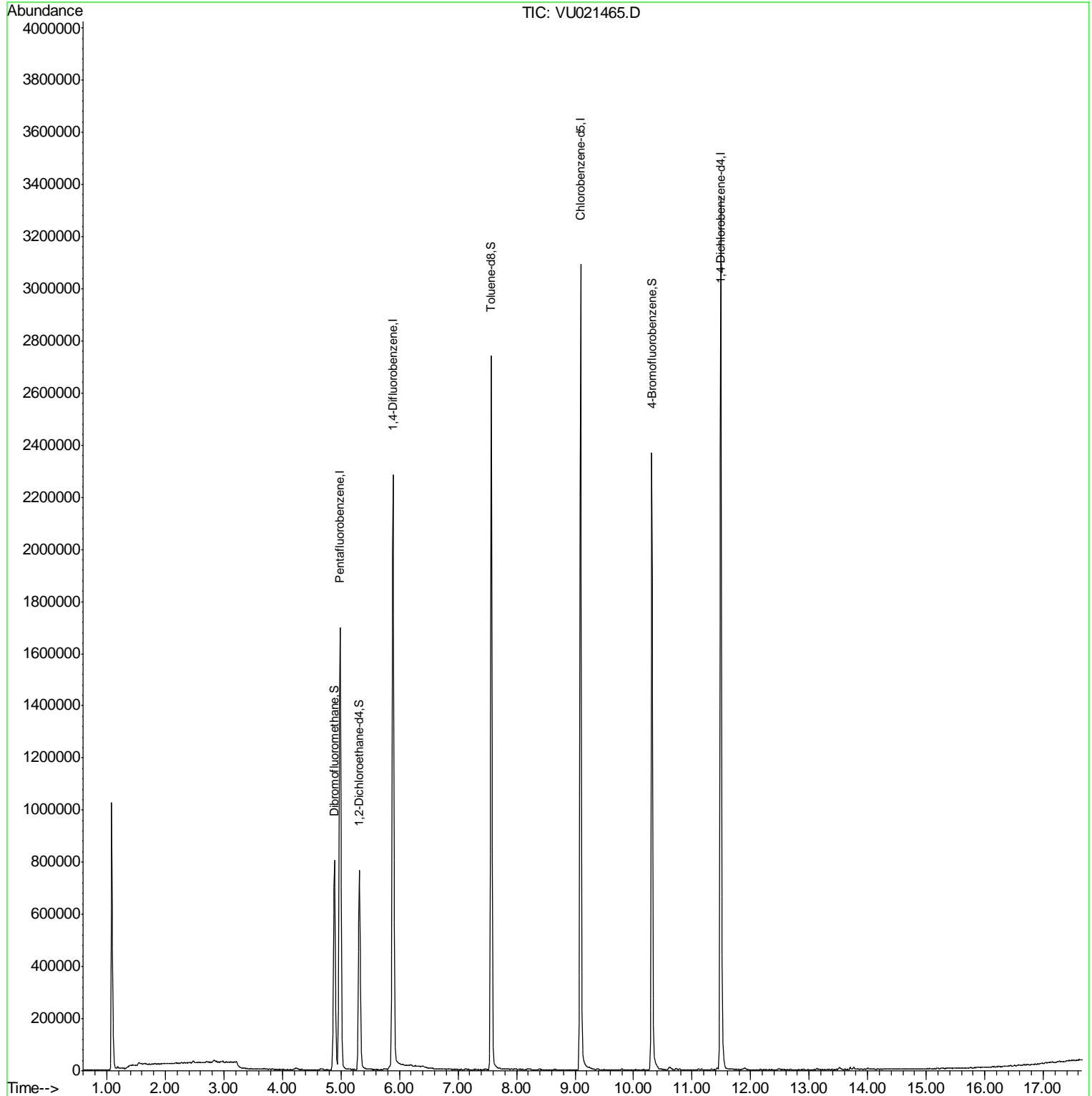
Target Compounds Qvalue

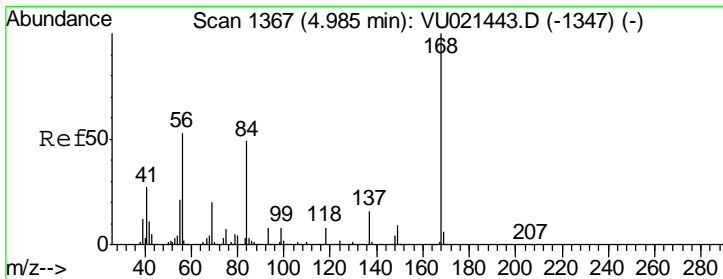
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021465.D
Acq On : 04 Jan 2018 11:36
Operator : MD/SY
Sample : VU0104WBL01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
VU0104WBL01

Quant Time: Jan 04 13:29:38 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 03 15:42:05 2018
Response via : Initial Calibration



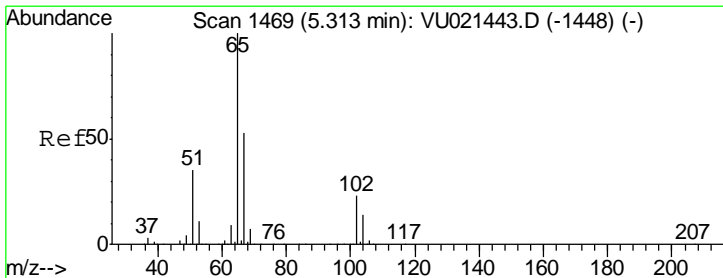
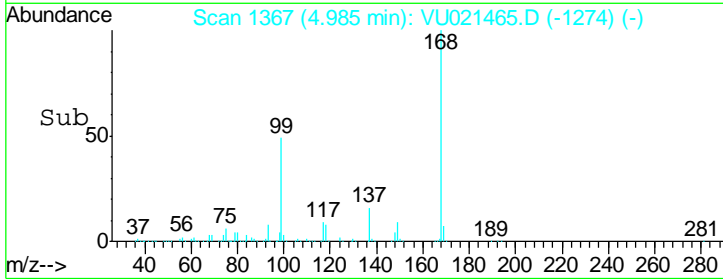
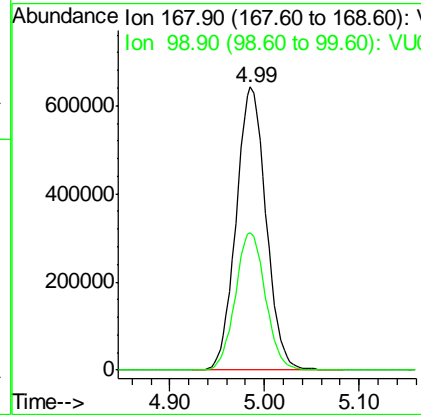
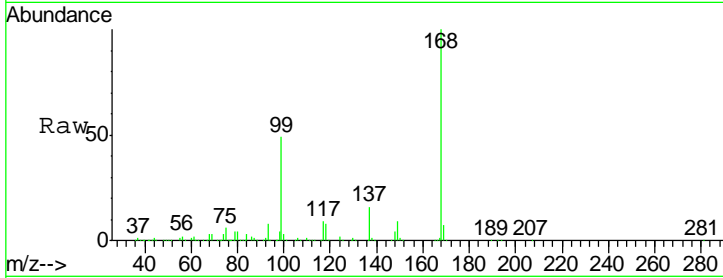


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU021465.D
 Acq: 04 Jan 2018 11:36

Instrument : MSVOA_U
 ClientSampled : VU0104WBL01

Tgt Ion: 168 Resp: 1412991

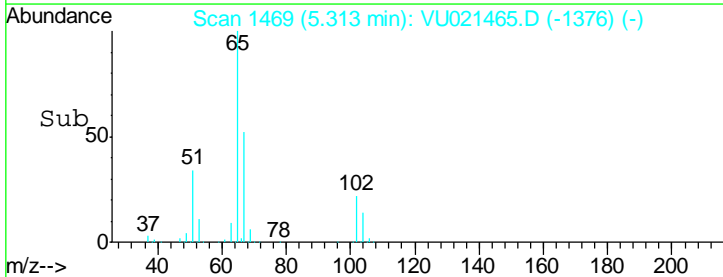
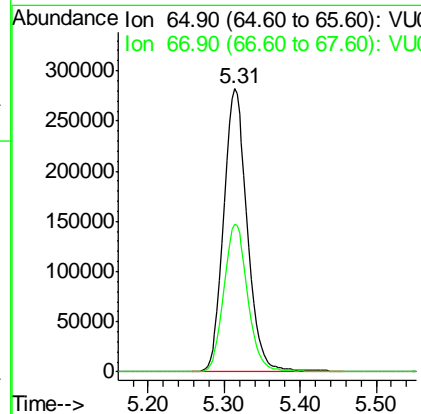
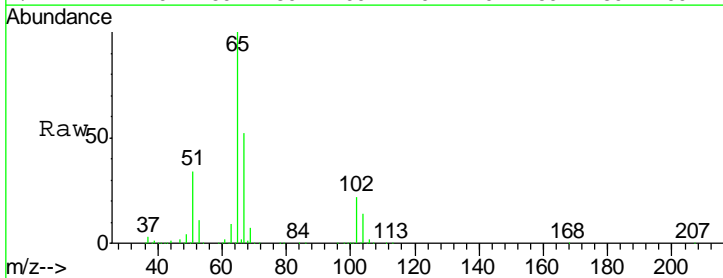
Ion	Ratio	Lower	Upper
168	100		
99	48.6	39.4	59.2

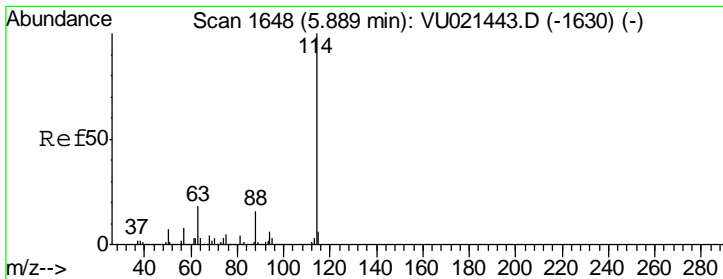


#33
 1,2-Dichloroethane-d4
 Concen: 50.56 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU021465.D
 Acq: 04 Jan 2018 11:36

Tgt Ion: 65 Resp: 609475

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.6

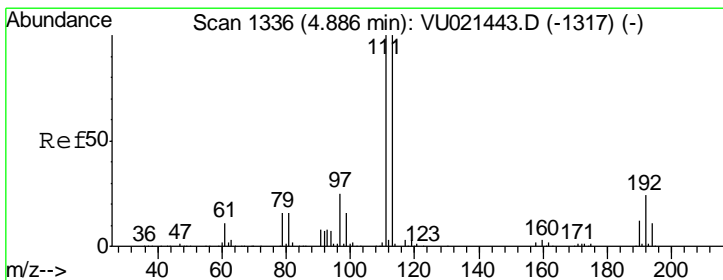
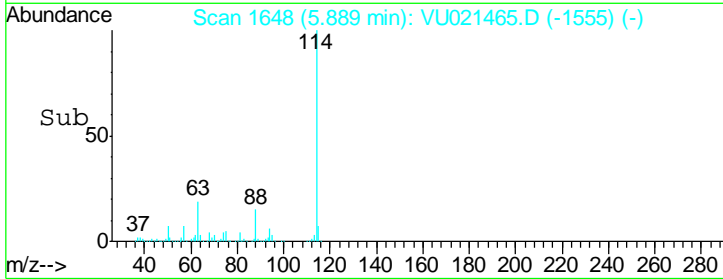
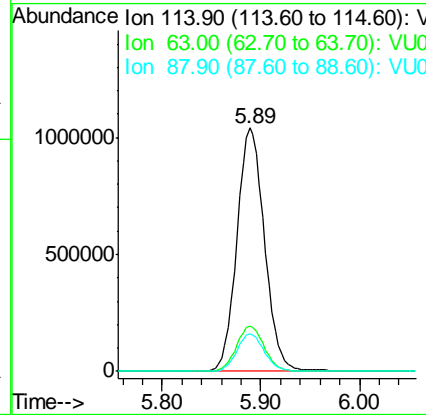
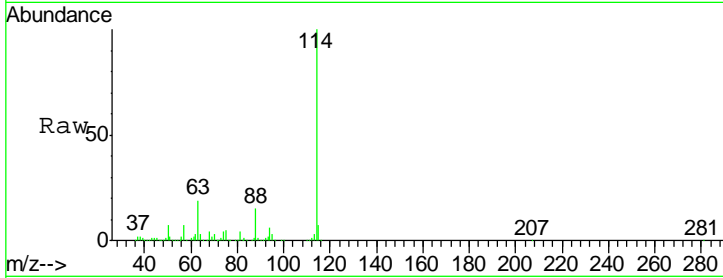




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU021465.D
 Acq: 04 Jan 2018 11:36

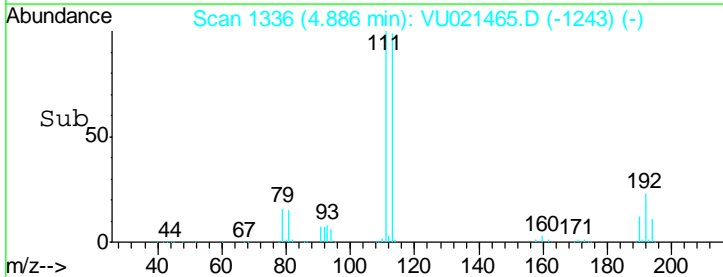
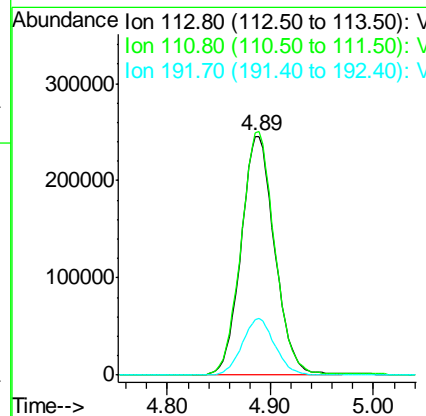
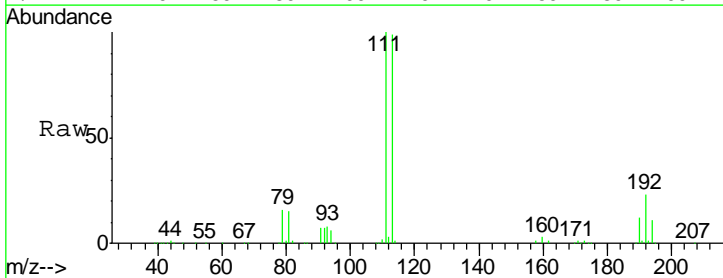
Instrument : MSVOA_U
 ClientSampled : VU0104WBL01

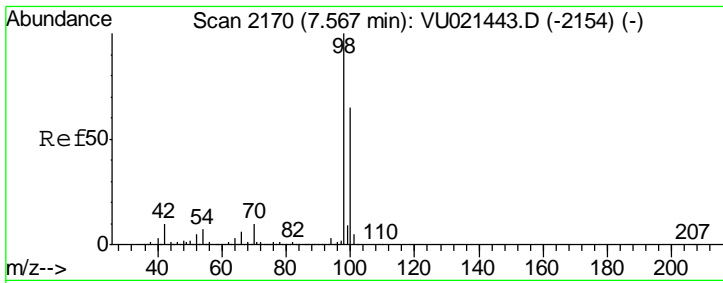
Tgt Ion	Resp	Lower	Upper
114	100		
63	18.6	0.0	36.6
88	15.5	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 49.73 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU021465.D
 Acq: 04 Jan 2018 11:36

Tgt Ion	Resp	Lower	Upper
113	100		
111	101.8	82.2	123.2
192	23.2	19.0	28.4

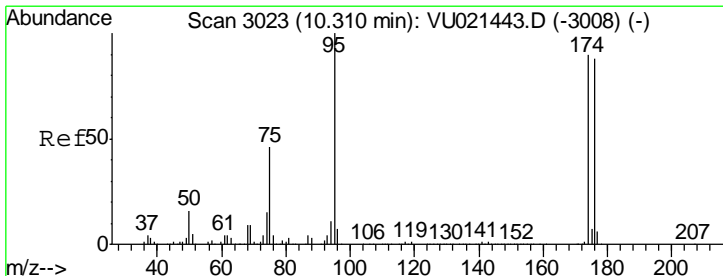
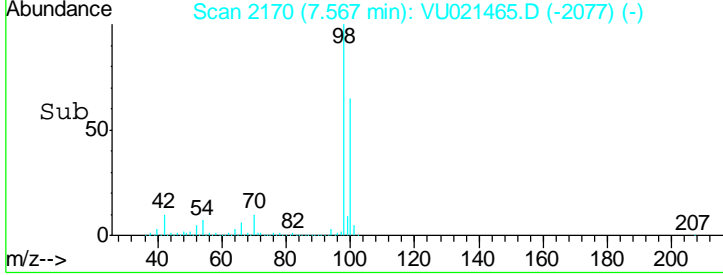
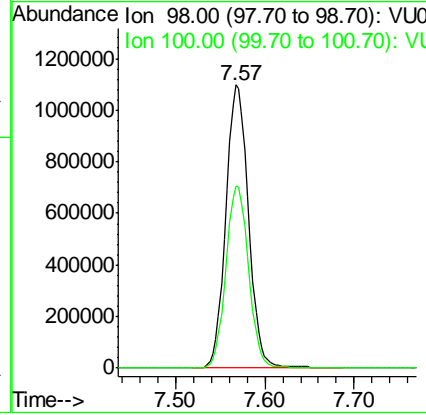
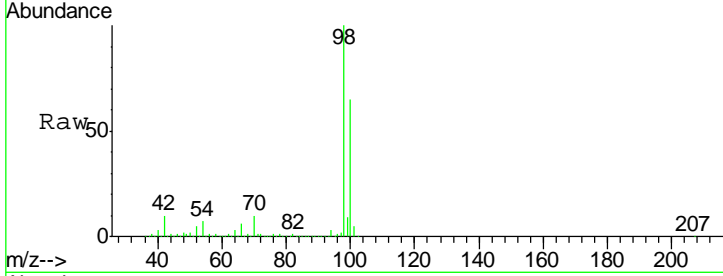




#50
 Toluene-d8
 Concen: 54.03 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU021465.D
 Acq: 04 Jan 2018 11:36

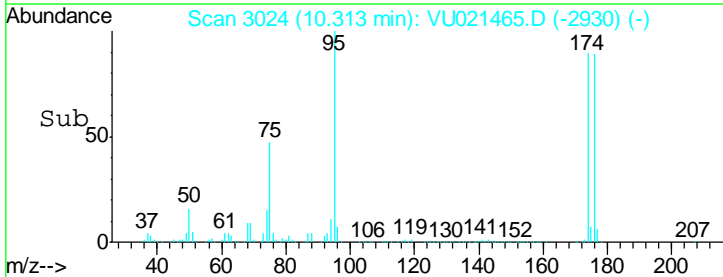
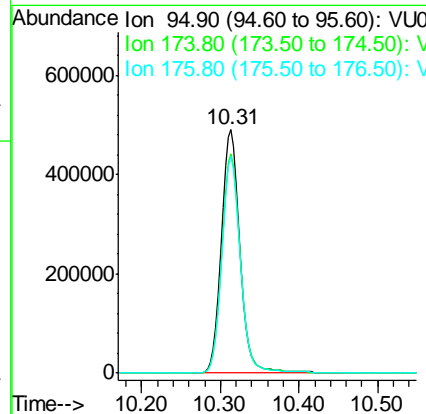
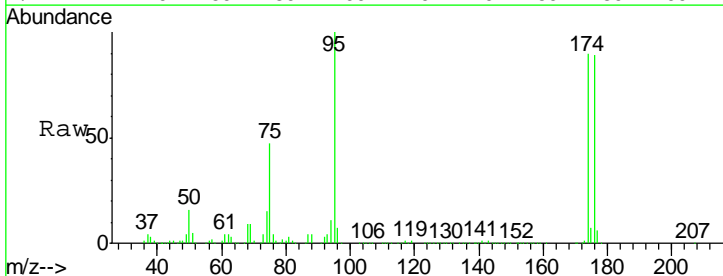
Instrument : MSVOA_U
 ClientSampled : VU0104WBL01

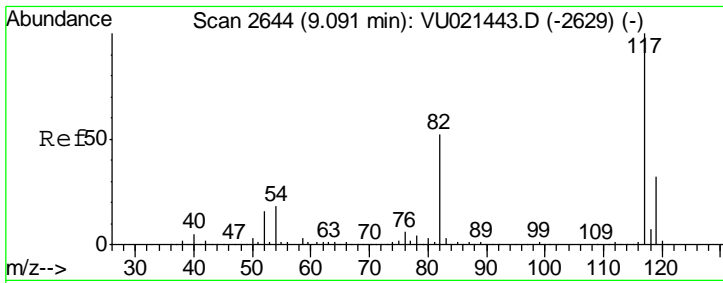
Tgt Ion	Resp	Lower	Upper
98	1929986		
98	100		
100	64.7	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 47.87 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021465.D
 Acq: 04 Jan 2018 11:36

Tgt Ion	Resp	Lower	Upper
95	796896		
95	100		
174	91.1	0.0	182.6
176	89.0	0.0	178.8

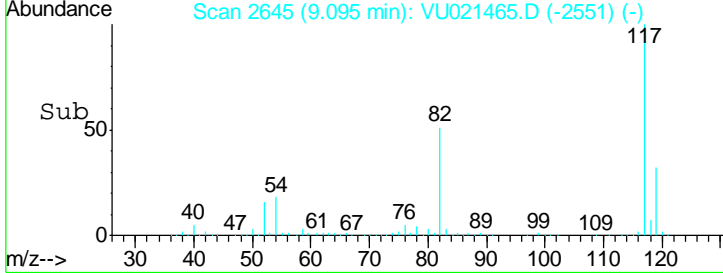
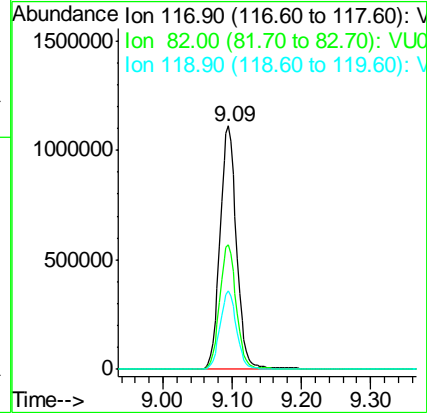
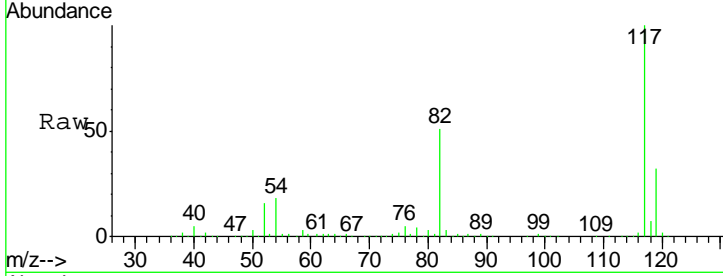




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021465.D
 Acq: 04 Jan 2018 11:36

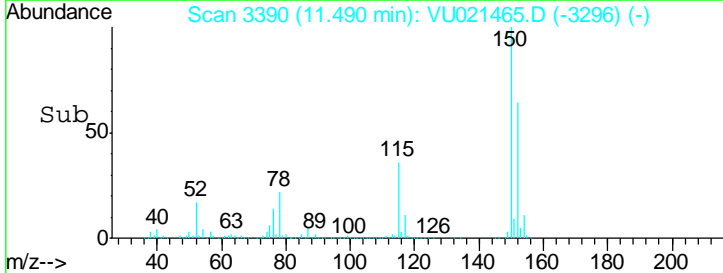
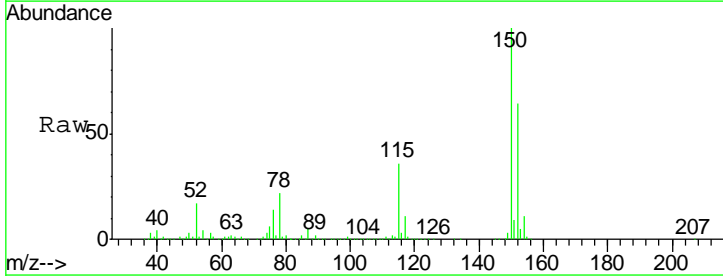
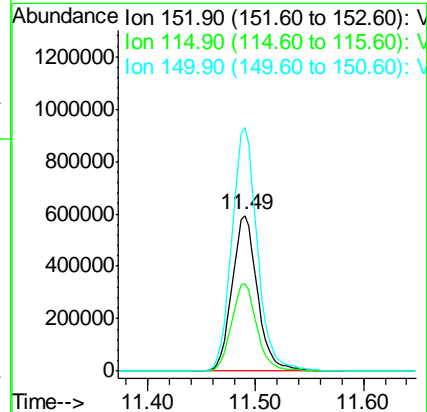
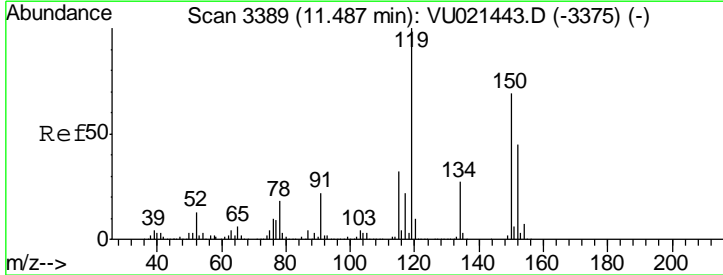
Instrument : MSVOA_U
 ClientSampled : VU0104WBL01

Tgt Ion	Resp	Lower	Upper
117	1848489		
82	51.1	41.4	62.0
119	32.0	25.7	38.5



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU021465.D
 Acq: 04 Jan 2018 11:36

Tgt Ion	Resp	Lower	Upper
152	974309		
115	56.1	38.0	114.1
150	157.2	0.0	343.2



Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021465.D
 Acq On : 04 Jan 2018 11:36
 Operator : MD/SY
 Sample : VU0104WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0104WBL01

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.082	136	153	175	rBV	1026621	1478572	26.64%	4.514%
2	4.889	1317	1337	1352	rBV	804611	1829148	32.96%	5.584%
3	4.985	1352	1367	1398	rVB	1694248	3736176	67.33%	11.407%
4	5.313	1453	1469	1496	rBV2	764170	1649706	29.73%	5.037%
5	5.889	1620	1648	1677	rBV	2281344	4573408	82.41%	13.963%
6	7.567	2153	2170	2203	rBV	2739304	4860693	87.59%	14.840%
7	9.095	2630	2645	2709	rBV	3088820	5209905	93.88%	15.906%
8	10.313	3008	3024	3064	rBV	2367051	3867185	69.69%	11.807%
9	11.490	3376	3390	3418	rBV	3348153	5549324	100.00%	16.942%

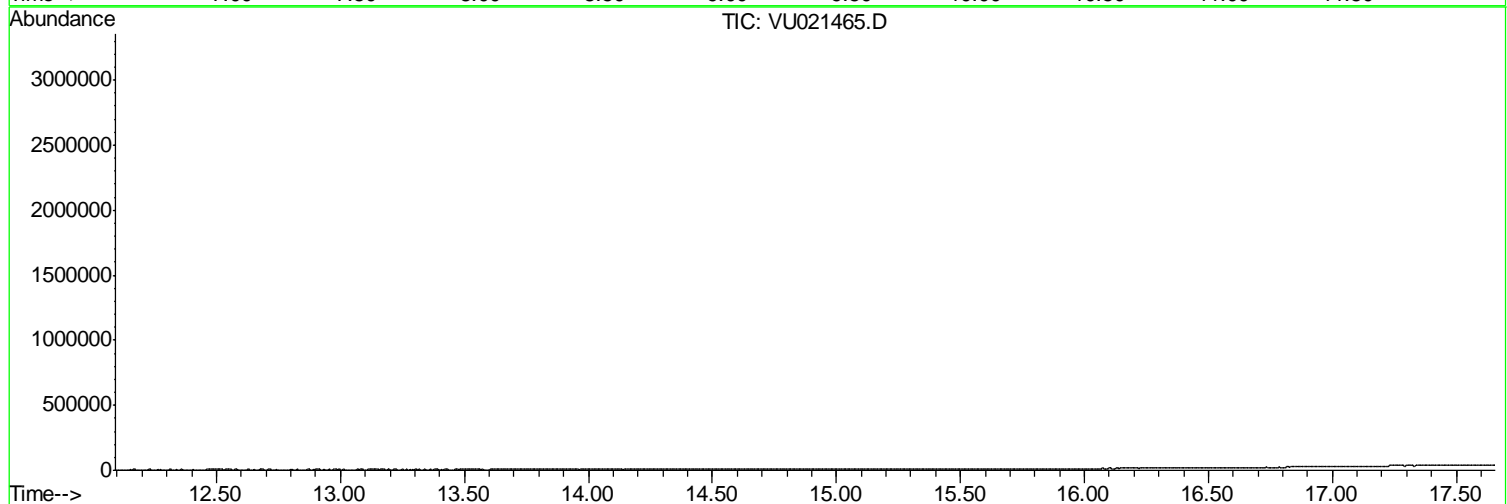
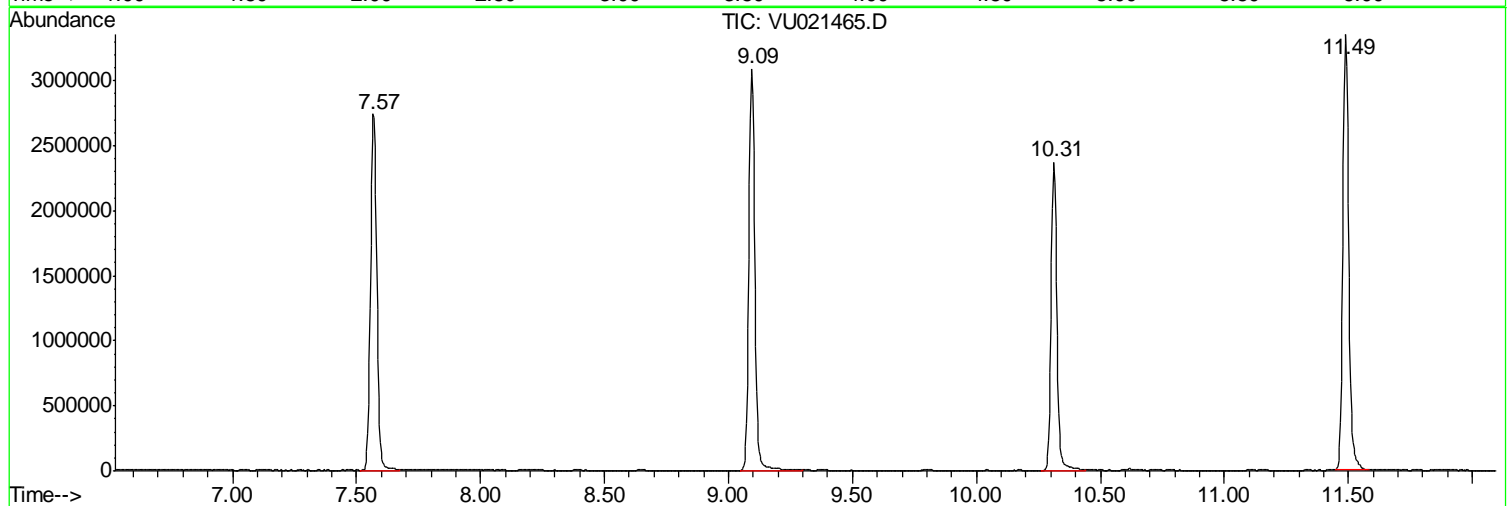
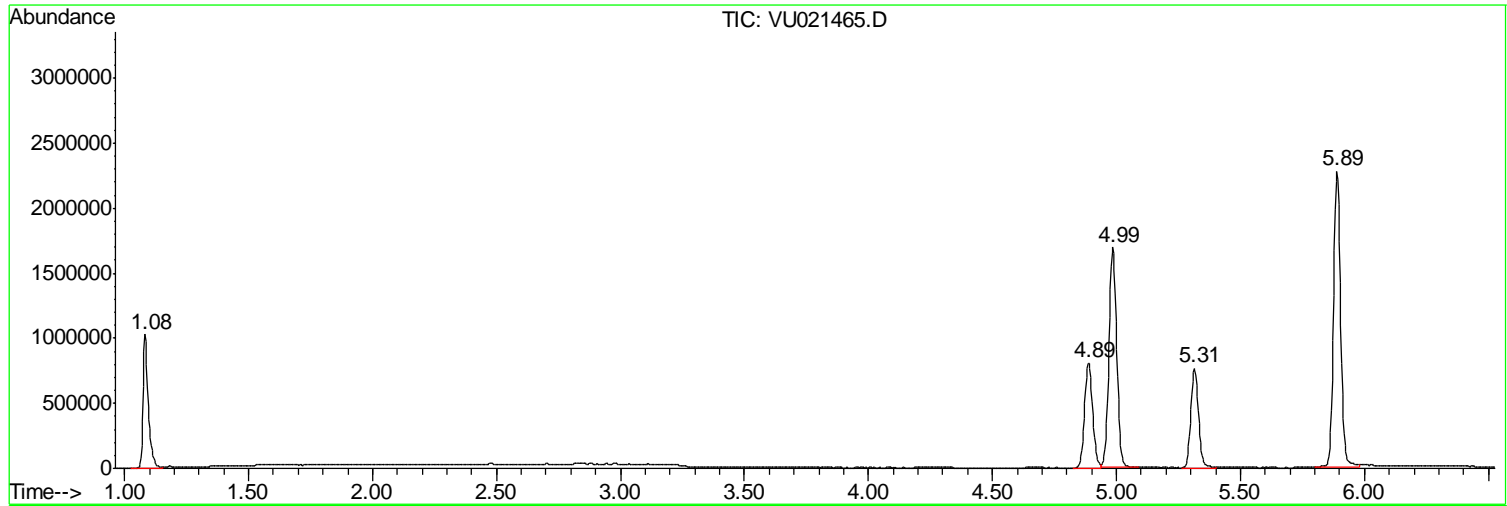
Sum of corrected areas: 32754117

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
Data File : VU021465.D
Acq On : 04 Jan 2018 11:36
Operator : MD/SY
Sample : VU0104WBL01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
VU0104WBL01

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
Data File : VU021465.D
Acq On : 04 Jan 2018 11:36
Operator : MD/SY
Sample : VU0104WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0104WBL01

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU010418\
 Data File : VU021465.D
 Acq On : 04 Jan 2018 11:36
 Operator : MD/SY
 Sample : VU0104WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0104WBL01

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

**Report of Analysis**

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VU0104WBS01	SDG No.:	17090
Lab Sample ID:	VU0104WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021466.D	1		01/04/18 12:03	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18.3		0.2	0.2	1	ug/L
74-87-3	Chloromethane	18.6		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	19		0.2	0.2	1	ug/L
74-83-9	Bromomethane	18.8		0.2	0.2	1	ug/L
75-00-3	Chloroethane	19.9		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	19		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.2	0.2	1	ug/L
67-64-1	Acetone	100		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	18.2		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	19.6		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	18.9		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	19.1		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	18.8		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	19		0.2	0.2	1	ug/L
78-93-3	2-Butanone	99.3		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	19		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	19		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	19.4		0.2	0.5	1	ug/L
67-66-3	Chloroform	19.2		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	19.8		0.2	0.2	1	ug/L
71-43-2	Benzene	19.3		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	19.4		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	19.3		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	19.5		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	99.4		1	1	5	ug/L
108-88-3	Toluene	19.5		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	19.4		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VU0104WBS01	SDG No.:	17090
Lab Sample ID:	VU0104WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021466.D	1		01/04/18 12:03	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	19.4		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	99.3		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	19.1		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	19.4		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	19.2		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	19.5		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	39.1		0.4	0.4	2	ug/L
95-47-6	o-Xylene	19.6		0.2	0.2	1	ug/L
100-42-5	Styrene	19.7		0.2	0.2	1	ug/L
75-25-2	Bromoform	18.5		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	19.6		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.6		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.4		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.6		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.4		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		69 - 133		98%	SPK: 50
2037-26-5	Toluene-d8	53.1		65 - 126		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		58 - 135		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1430120	4.99				
540-36-3	1,4-Difluorobenzene	2063890	5.89				
3114-55-4	Chlorobenzene-d5	1892160	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	1039030	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VU0104WBS01	SDG No.:	17090
Lab Sample ID:	VU0104WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021466.D	1		01/04/18 12:03	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021466.D
 Acq On : 04 Jan 2018 12:03
 Operator : MD/SY
 Sample : VU0104WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VU0104WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/5/2018 1:06:15 PM

Quant Time: Jan 04 13:38:01 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1430117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	2063890	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1892163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	1039027	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	602922	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	4.89	113	558332	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	7.57	98	1932184	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	10.31	95	812466	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	213207	18.28	ug/l	99
3) Chloromethane	1.33	50	261154m	18.59	ug/l	
4) Vinyl Chloride	1.40	62	269253	18.99	ug/l	100
5) Bromomethane	1.63	94	187264	18.83	ug/l	99
6) Chloroethane	1.70	64	168416	19.90	ug/l	99
7) Trichlorofluoromethane	1.89	101	382272	19.02	ug/l	98
8) Diethyl Ether	2.10	74	159656	19.14	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	244820	19.00	ug/l	99
10) Methyl Iodide	2.41	142	310978	19.17	ug/l	100
11) Tert butyl alcohol	2.83	59	295385	97.40	ug/l	100
12) 1,1-Dichloroethene	2.29	96	231576	19.28	ug/l	99
13) Acrolein	2.19	56	184845	84.83	ug/l	98
14) Allyl chloride	2.59	41	342802	18.54	ug/l	99
15) Acrylonitrile	2.94	53	694944	99.58	ug/l	99
16) Acetone	2.32	43	743831	102.61	ug/l	99
17) Carbon Disulfide	2.48	76	626484	18.23	ug/l	99
18) Methyl Acetate	2.62	43	303780	19.64	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	773164	19.11	ug/l	100
20) Methylene Chloride	2.70	84	256964	18.93	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	245719	19.10	ug/l	97
22) Diisopropyl ether	3.58	45	686947	18.98	ug/l	99
23) Vinyl Acetate	3.53	43	2814202	97.60	ug/l	100
24) 1,1-Dichloroethane	3.45	63	424012	18.85	ug/l	98
25) 2-Butanone	4.27	43	914484	99.32	ug/l	98
26) 2,2-Dichloropropane	4.23	77	360767	18.72	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	283657	18.97	ug/l	99
28) Bromochloromethane	4.55	49	181450	19.35	ug/l	99
29) Tetrahydrofuran	4.65	42	515152	95.90	ug/l	100
30) Chloroform	4.68	83	444527	19.22	ug/l	99
31) Cyclohexane	5.00	56	389443	18.95	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	384059	18.92	ug/l	99
36) 1,1-Dichloropropene	5.14	75	341050	19.32	ug/l	99
37) Ethyl Acetate	4.39	43	302872	19.38	ug/l	100
38) Carbon Tetrachloride	5.14	117	328912	19.00	ug/l	99

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021466.D
 Acq On : 04 Jan 2018 12:03
 Operator : MD/SY
 Sample : VU0104WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VU0104WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/5/2018 1:06:15 PM

Quant Time: Jan 04 13:38:01 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	436238	19.79	ug/l	99
40) Benzene	5.39	78	998708	19.32	ug/l	100
41) Methacrylonitrile	4.55	41	169672	19.80	ug/l	99
42) 1,2-Dichloroethane	5.41	62	341243	19.36	ug/l	100
43) Isopropyl Acetate	5.56	43	502003	19.22	ug/l	100
44) Trichloroethene	6.19	130	301788	19.28	ug/l	99
45) 1,2-Dichloropropane	6.44	63	250577	19.06	ug/l	99
46) Dibromomethane	6.56	93	178510	19.48	ug/l	99
47) Bromodichloromethane	6.76	83	328372	19.54	ug/l	100
48) Methyl methacrylate	6.63	41	252084	19.44	ug/l	99
49) 1,4-Dioxane	6.62	88	126784	391.96	ug/l	99
51) 4-Methyl-2-Pentanone	7.47	43	1589071	99.40	ug/l	100
52) Toluene	7.64	92	646841	19.50	ug/l	100
53) t-1,3-Dichloropropene	7.89	75	363529	19.37	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	400480	19.67	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	254863	19.38	ug/l	96
56) Ethyl methacrylate	8.02	69	382567	19.35	ug/l	99
57) 1,3-Dichloropropane	8.25	76	422822	19.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	738299	99.90	ug/l	99
59) 2-Hexanone	8.37	43	1247966	99.25	ug/l	100
60) Dibromochloromethane	8.48	129	264989	19.08	ug/l	99
61) 1,2-Dibromoethane	8.59	107	284082	19.67	ug/l	98
64) Tetrachloroethene	8.23	164	288644	19.40	ug/l	98
65) Chlorobenzene	9.12	112	746032	19.16	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	252649	18.98	ug/l	99
67) Ethyl Benzene	9.25	91	1256300	19.46	ug/l	100
68) m/p-Xylenes	9.38	106	981048	39.11	ug/l	99
69) o-Xylene	9.78	106	471913	19.62	ug/l	100
70) Styrene	9.80	104	787601	19.66	ug/l	99
71) Bromoform	9.96	173	208631	18.47	ug/l #	99
73) Isopropylbenzene	10.17	105	1285300	19.61	ug/l	100
74) N-amyl acetate	10.02	43	436159	19.63	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	397170	19.56	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	444746	26.36	ug/l	78
77) Bromobenzene	10.46	156	347380	19.30	ug/l	98
78) n-propylbenzene	10.59	91	1485553	19.79	ug/l	100
79) 2-Chlorotoluene	10.66	91	867184	19.66	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	1084275	19.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	444746	72.78	ug/l #	100
82) 4-Chlorotoluene	10.78	91	1020913	19.67	ug/l	100
83) tert-Butylbenzene	11.10	119	1045355	19.19	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	1095603	19.53	ug/l	100
85) sec-Butylbenzene	11.33	105	1310165	19.69	ug/l	100
86) p-Isopropyltoluene	11.48	119	1182774	19.61	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	640734	19.57	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	647354	19.30	ug/l	99
89) n-Butylbenzene	11.90	91	1046240	19.66	ug/l	100
90) Hexachloroethane	12.15	117	173334	18.41	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	632712	19.43	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	84011	19.18	ug/l	97

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021466.D
 Acq On : 04 Jan 2018 12:03
 Operator : MD/SY
 Sample : VU0104WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0104WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/5/2018 1:06:15 PM

Quant Time: Jan 04 13:38:01 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	450566	19.38	ug/l	99
94) Hexachlorobutadiene	13.70	225	218646	19.74	ug/l	99
95) Naphthalene	13.75	128	1165768	19.29	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	442998	19.62	ug/l	99

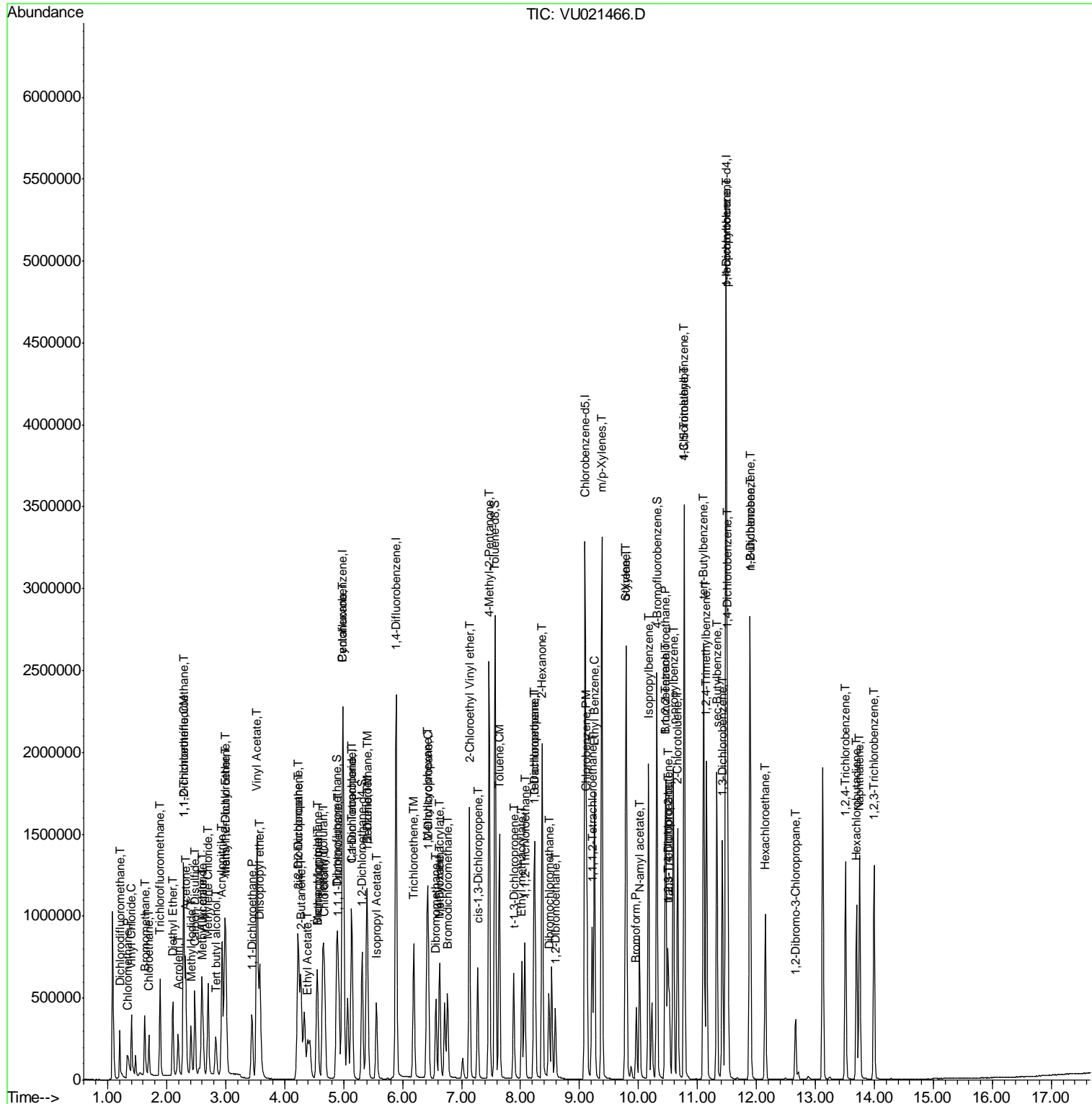
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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021466.D
 Acq On : 04 Jan 2018 12:03
 Operator : MD/SY
 Sample : VU0104WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

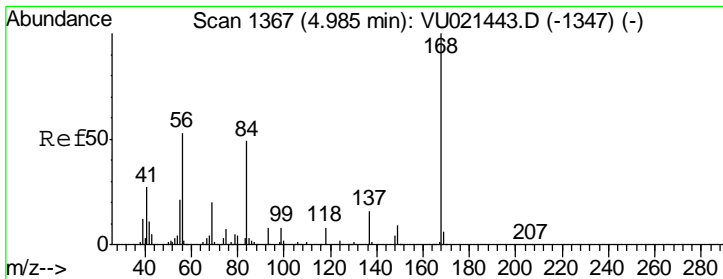
Instrument :
 MSVOA_U
 Client Sampled :
 VU0104WBS01

Manual Integrations
 APPROVED
 MMDadoda
 1/5/2018 1:06:15 PM

Quant Time: Jan 04 13:38:01 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration



- 1
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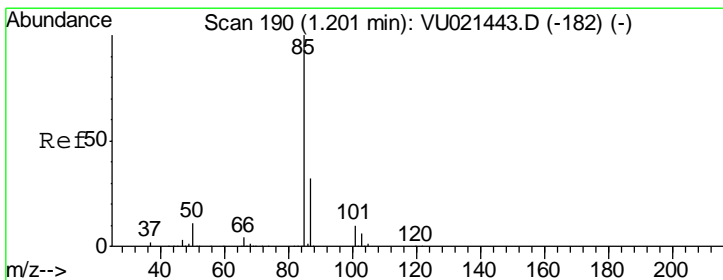
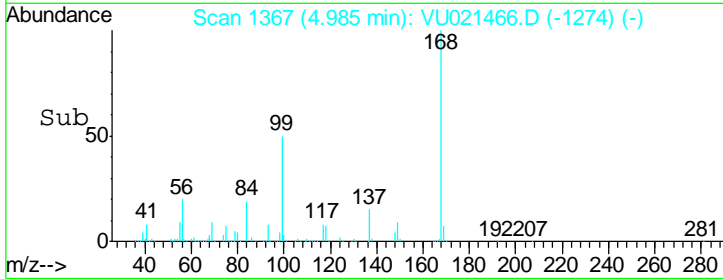
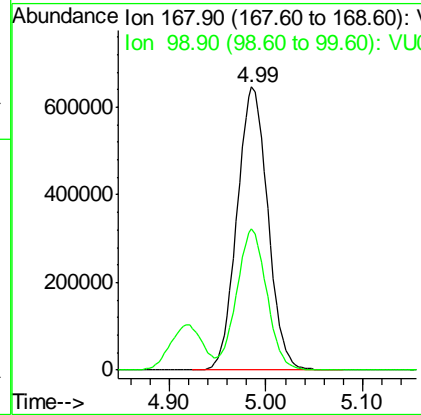
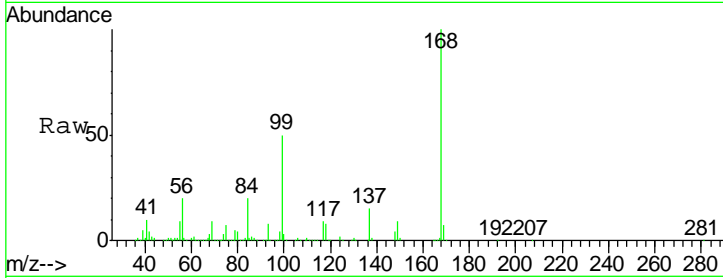
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument :
 MSVOA_U
 ClientSampled :
 VU0104WBS01

Tgt Ion: 168 Resp: 1430117

Ion	Ratio	Lower	Upper
168	100		
99	49.7	39.4	59.2

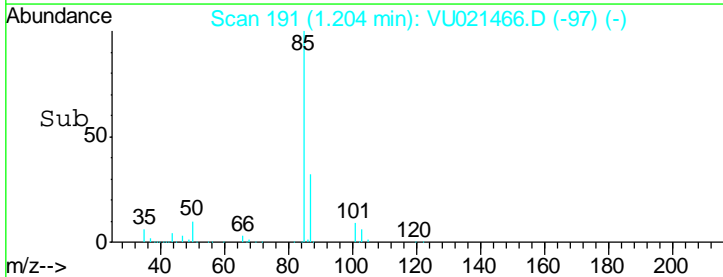
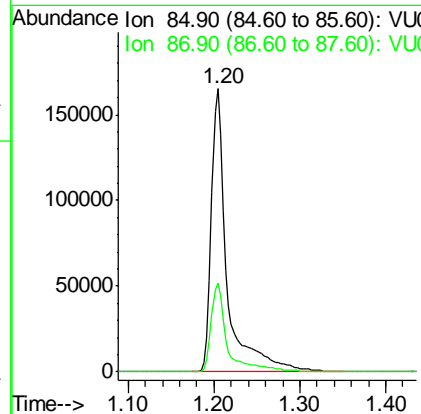
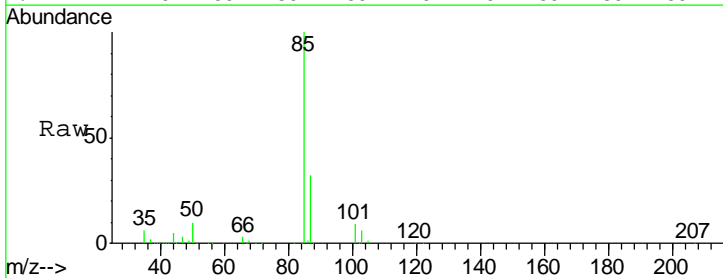
Manual Integrations
APPROVED
 MMDadoda
 1/5/2018 1:06:15 PM

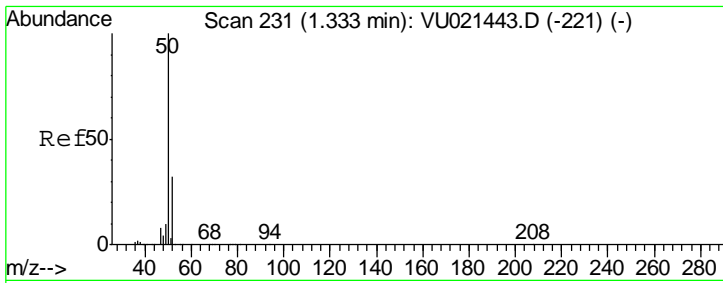


#2
 Dichlorodifluoromethane
 Concen: 18.28 ug/l
 RT: 1.20 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion: 85 Resp: 213207

Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.1	48.3



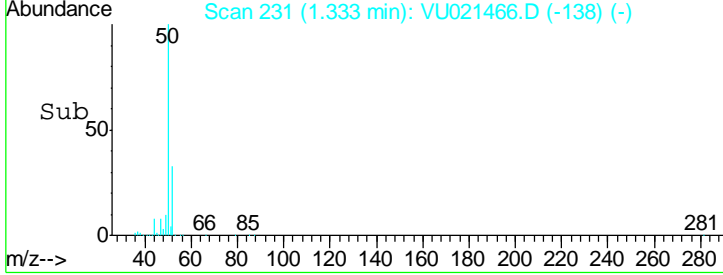
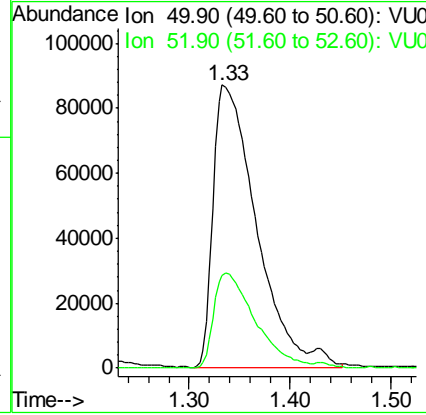
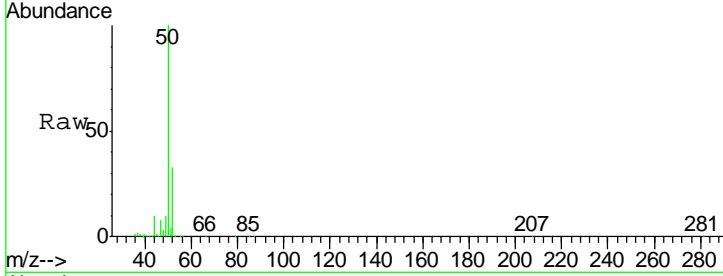


#3
 Chloromethane
 Concen: 18.59 ug/l m
 RT: 1.33 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
50	261154		
52	32.9	25.9	38.9

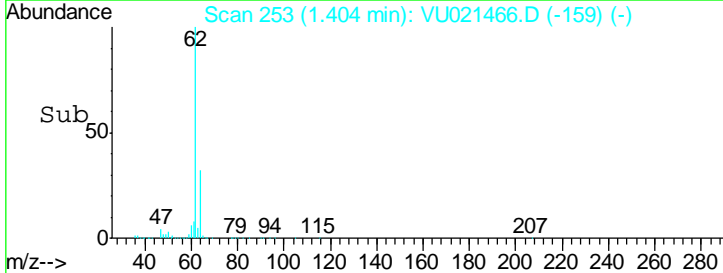
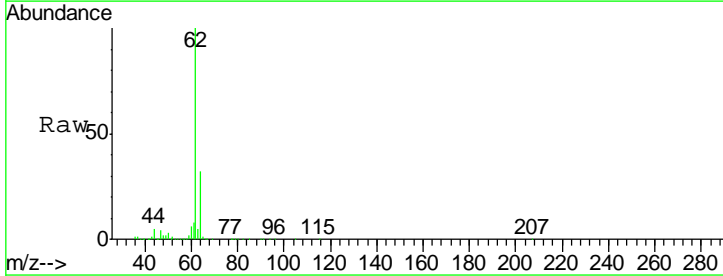
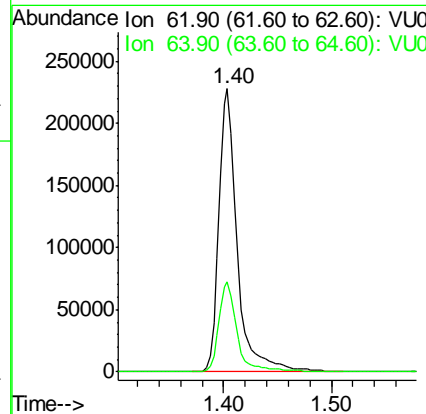
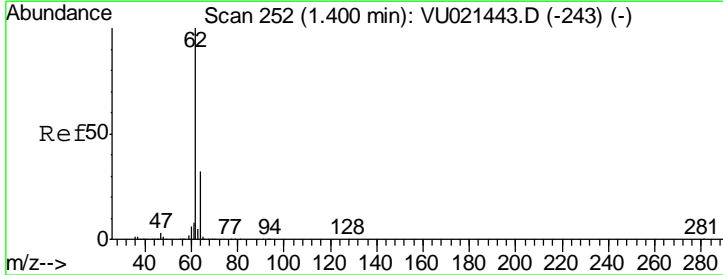
Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

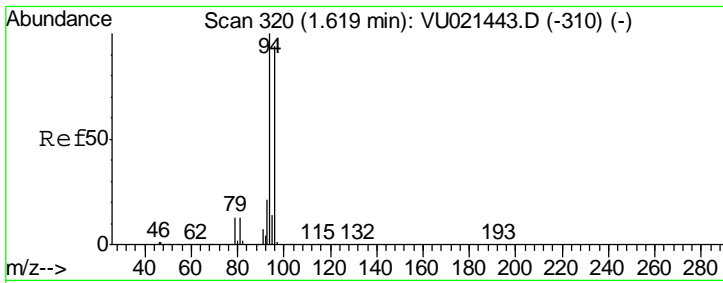
Manual Integrations APPROVED
 MMDadoda
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#4
 Vinyl Chloride
 Concen: 18.99 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
62	269253		
64	31.7	25.4	38.0



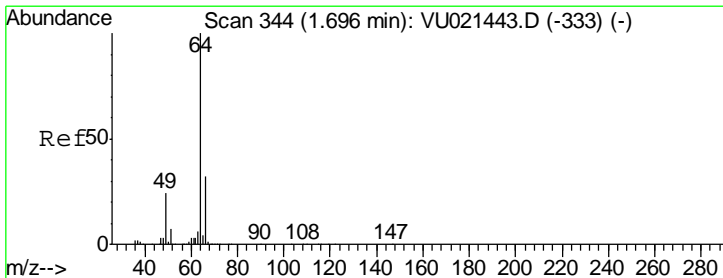
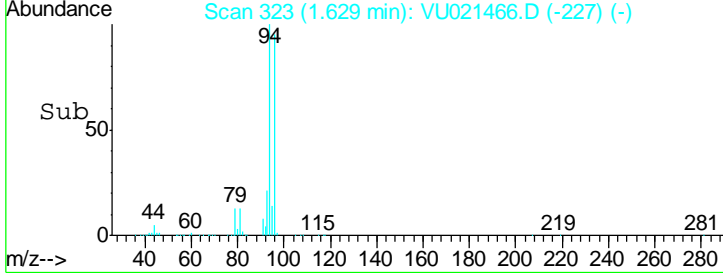
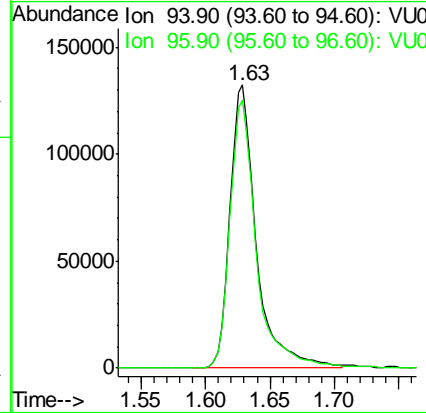
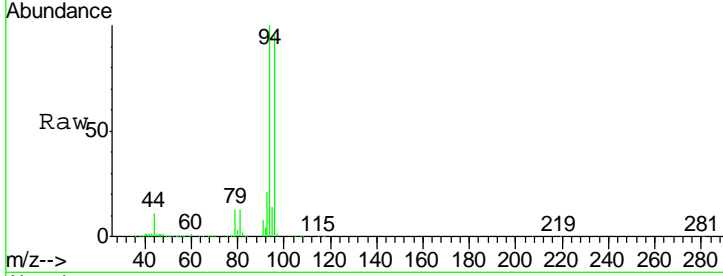


#5
 Bromomethane
 Concen: 18.83 ug/l
 RT: 1.63 min Scan# 323
 Delta R.T. 0.01 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
94	187264		
96	94.7	75.2	112.8

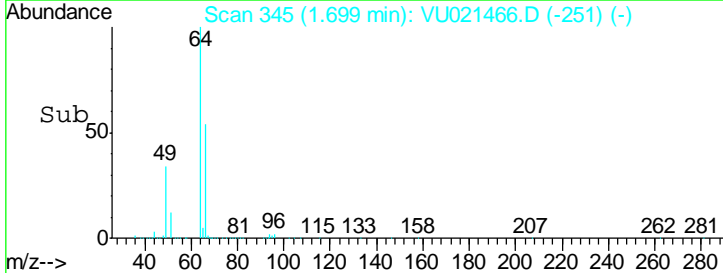
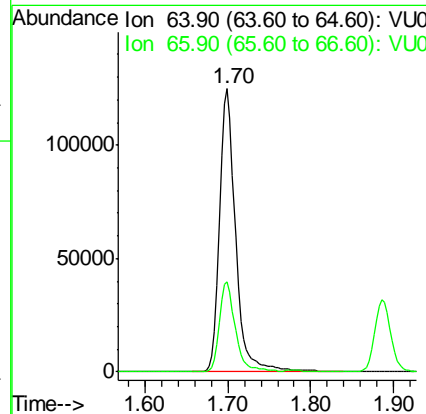
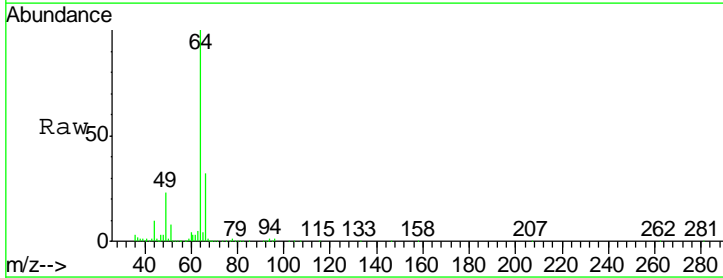
Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

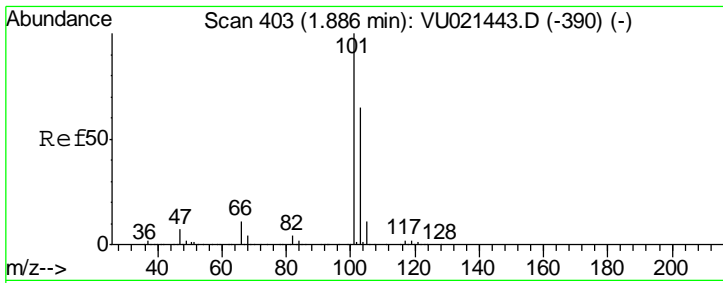
Manual Integrations APPROVED
 MMDadoda
 1/5/2018 1:06:15 PM



#6
 Chloroethane
 Concen: 19.90 ug/l
 RT: 1.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
64	168416		
66	31.8	25.8	38.8





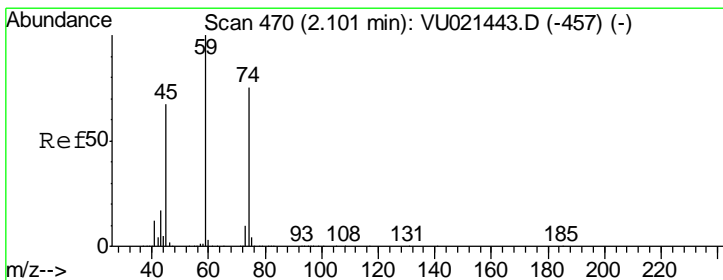
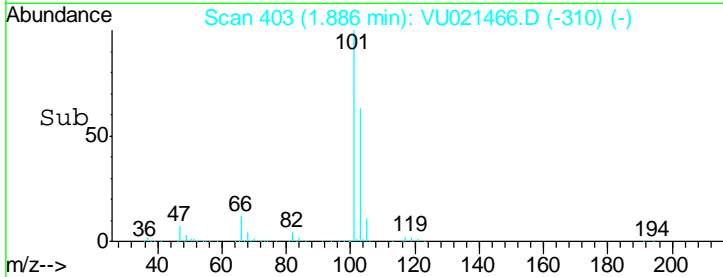
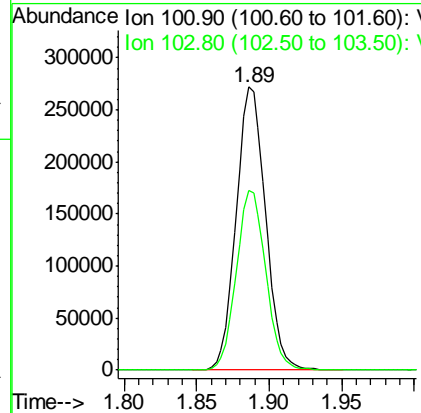
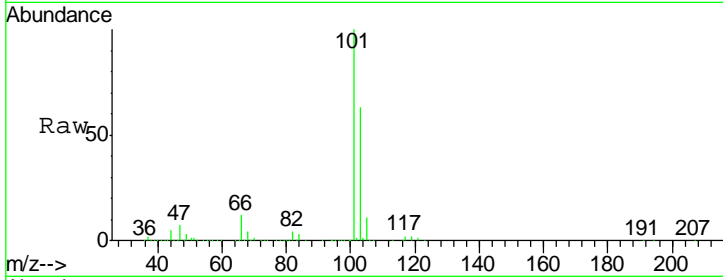
#7
 Trichlorofluoromethane
 Concen: 19.02 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

Tgt Ion	Resp	Lower	Upper
101	382272		
103	63.4	52.2	78.2

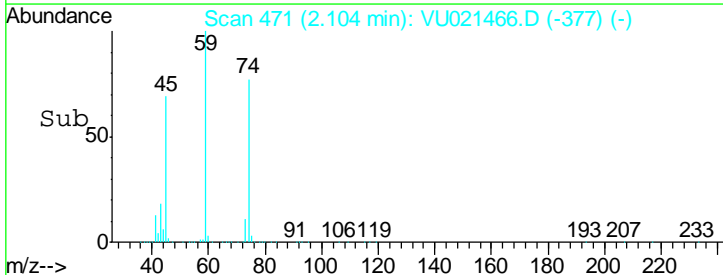
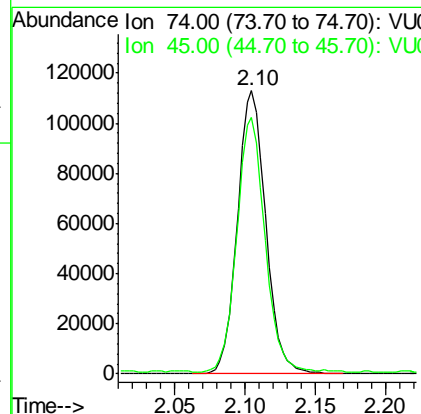
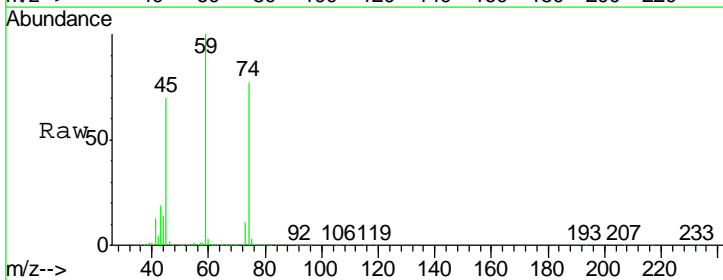
Manual Integrations
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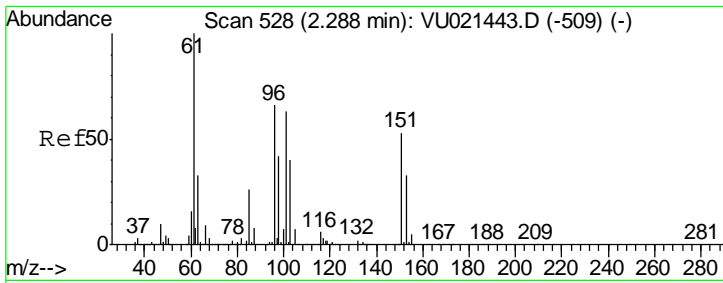
MMDadoda
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#8
 Diethyl Ether
 Concen: 19.14 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

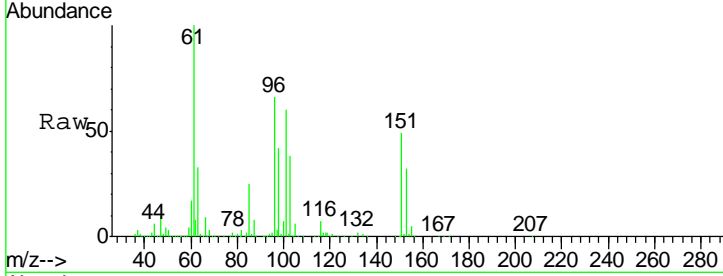
Tgt Ion	Resp	Lower	Upper
74	159656		
45	88.7	44.0	132.0





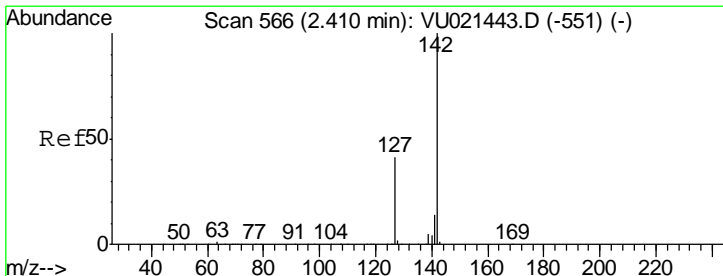
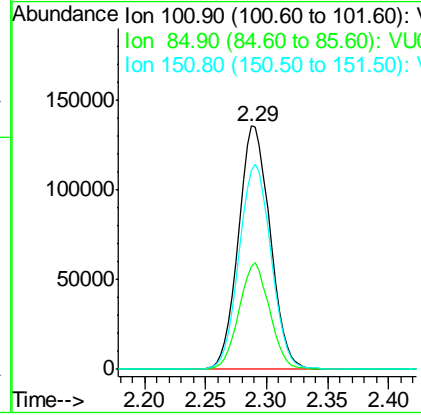
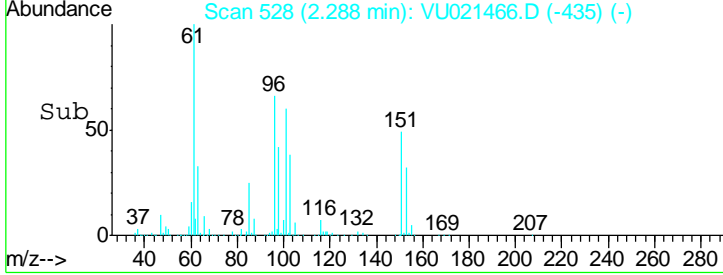
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.00 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

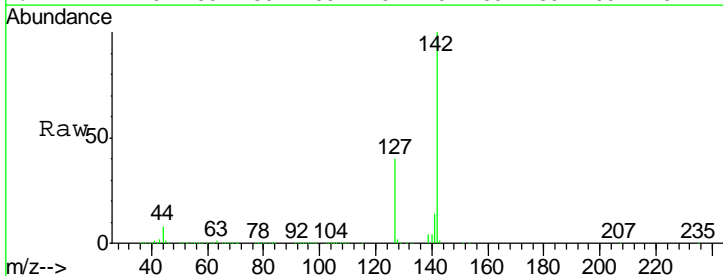


Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.3	33.2	49.8
151	85.0	67.1	100.7

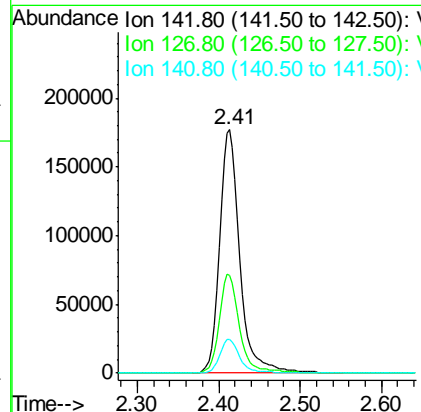
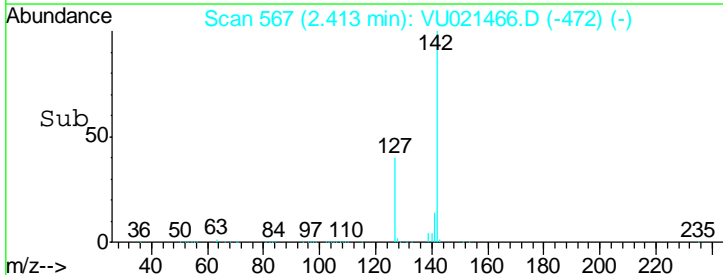
Manual Integrations APPROVED
 MMDadoda
 1/5/2018 1:06:15 PM

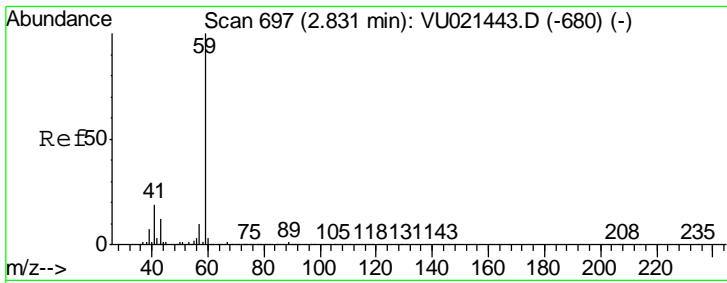


#10
 Methyl Iodide
 Concen: 19.17 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03



Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.6	32.2	48.4
141	14.1	11.3	16.9



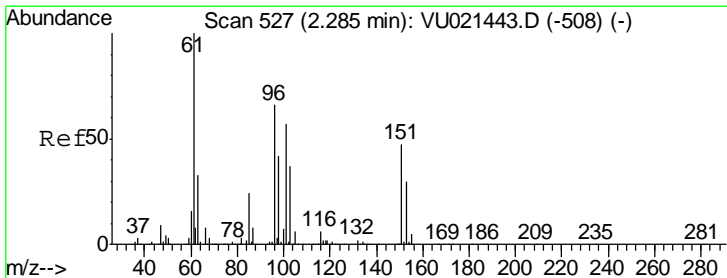
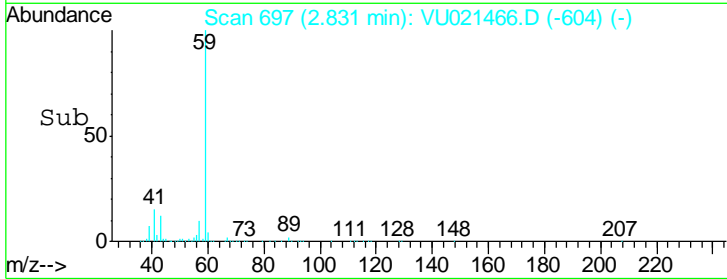
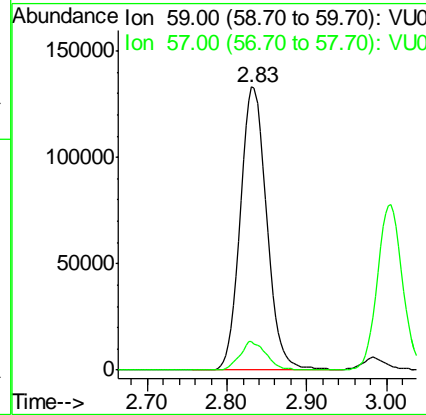
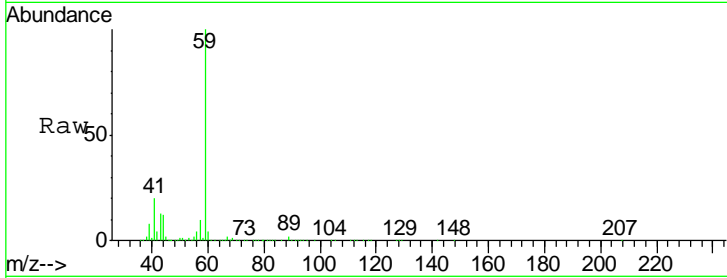


#11
 Tert butyl alcohol
 Concen: 97.40 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.6	7.7	11.5

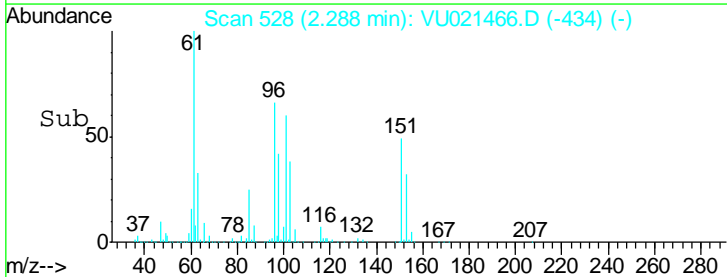
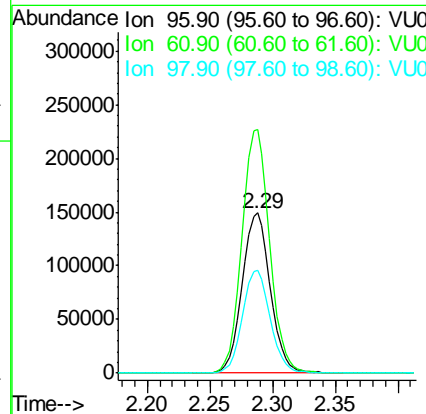
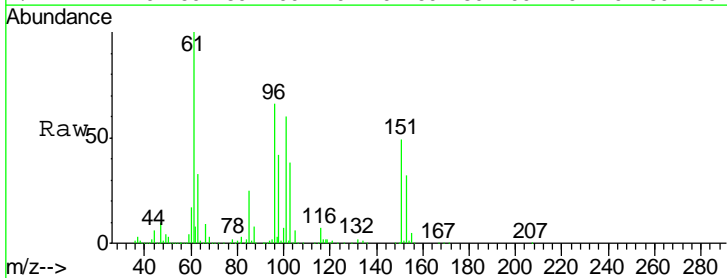
Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

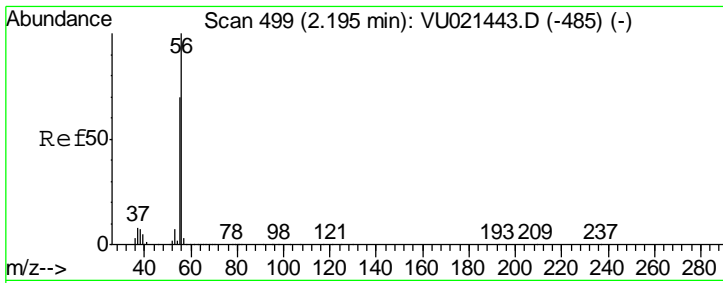
Manual Integrations APPROVED
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 1/5/2018 1:06:15 PM



#12
 1,1-Dichloroethene
 Concen: 19.28 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
96	100		
61	152.4	121.5	182.3
98	64.2	50.9	76.3





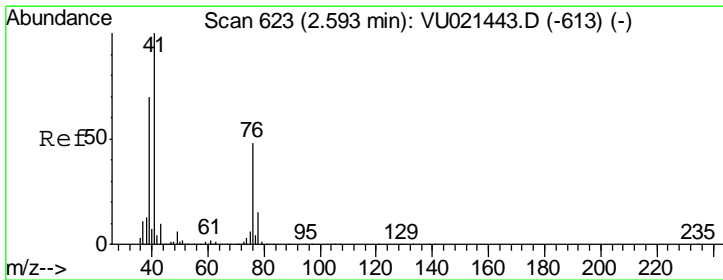
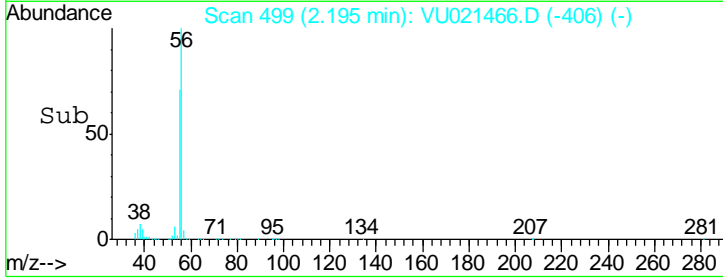
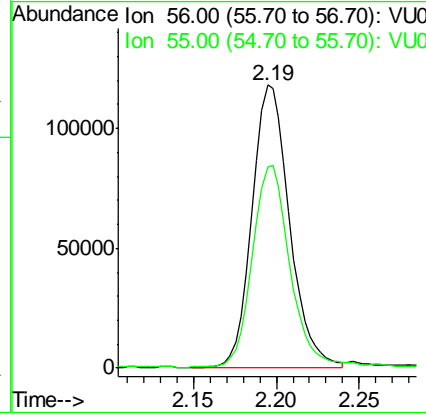
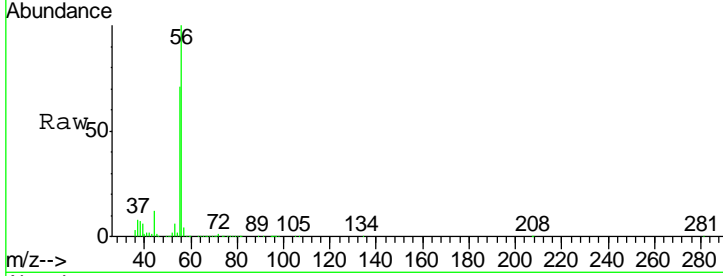
#13
 Acrolein
 Concen: 84.83 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

Tgt Ion	Resp	Lower	Upper
56	184845		
55	72.0	56.5	84.7

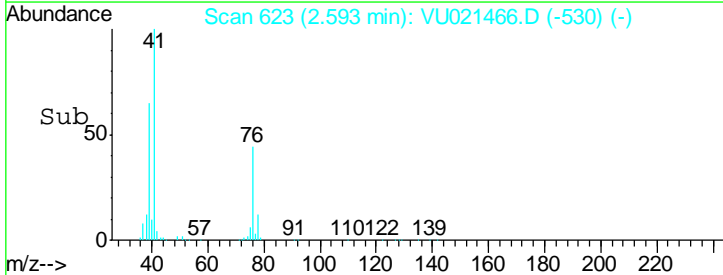
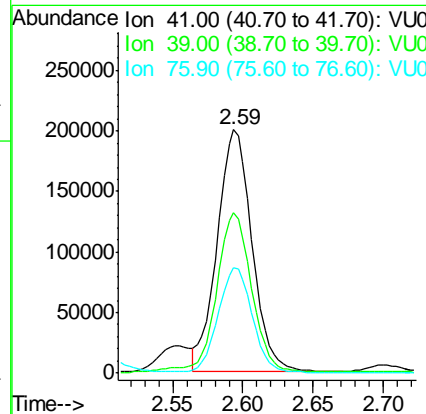
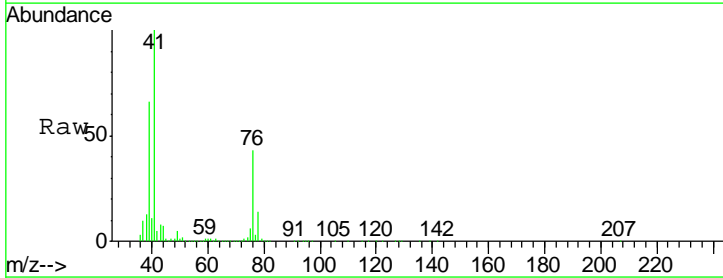
Manual Integrations APPROVED

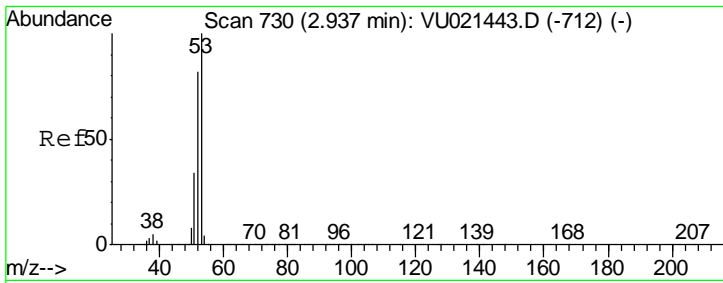
MMDadoda
 1/5/2018 1:06:15 PM



#14
 Allyl chloride
 Concen: 18.54 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
41	342802		
39	66.4	52.7	79.1
76	42.9	34.0	51.0



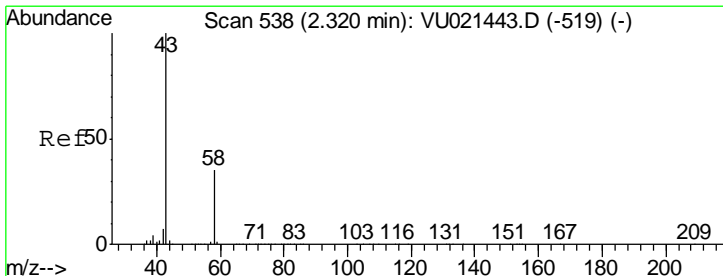
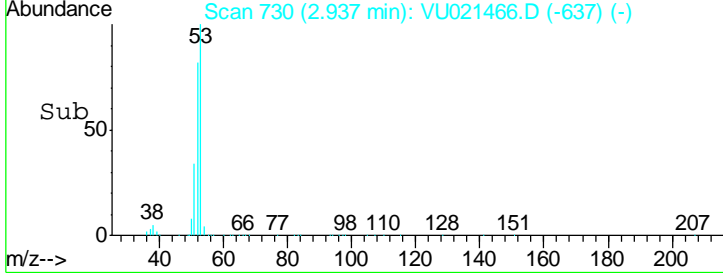
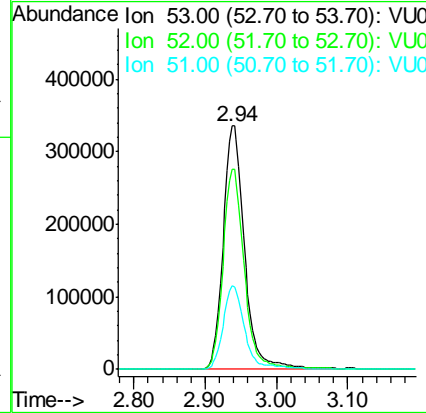
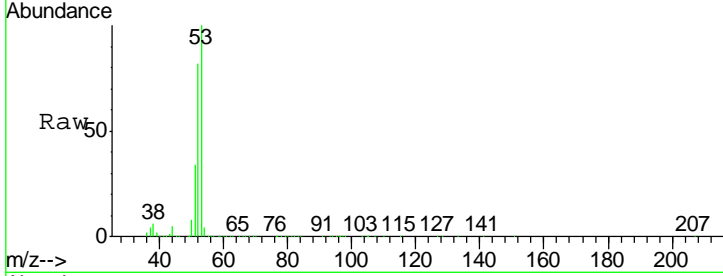


#15
 Acrylonitrile
 Concen: 99.58 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.9	64.9	97.3
51	34.6	27.0	40.4

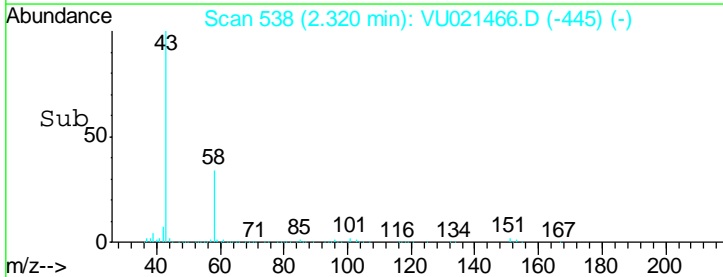
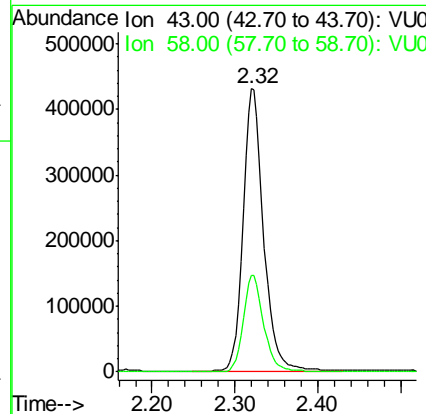
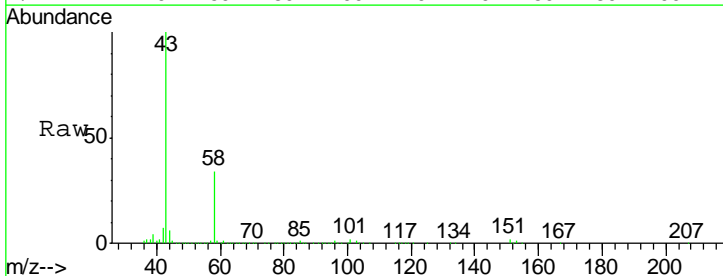
Instrument : MSVOA_U
 ClientSampleId : VU0104WBS01

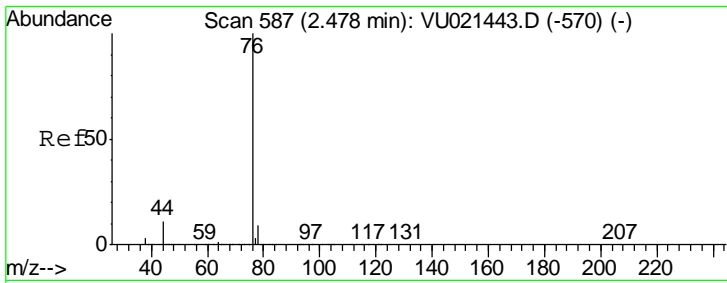
Manual Integrations APPROVED
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#16
 Acetone
 Concen: 102.61 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
43	100		
58	34.2	27.8	41.8



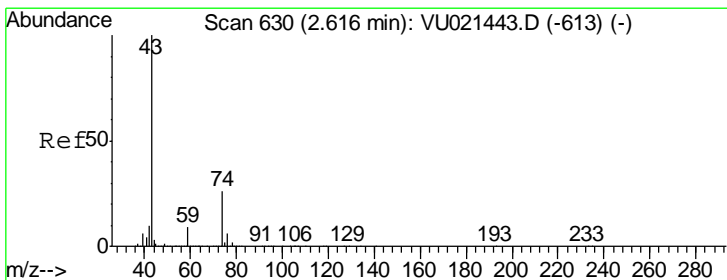
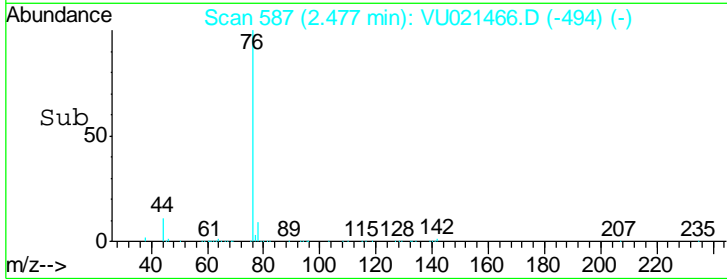
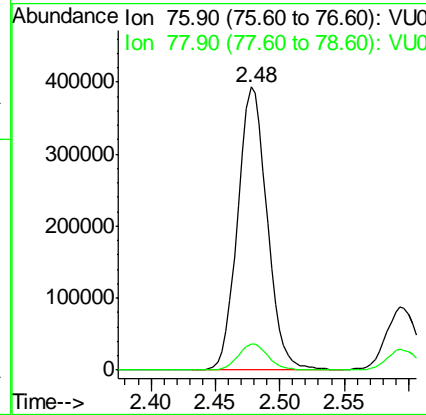
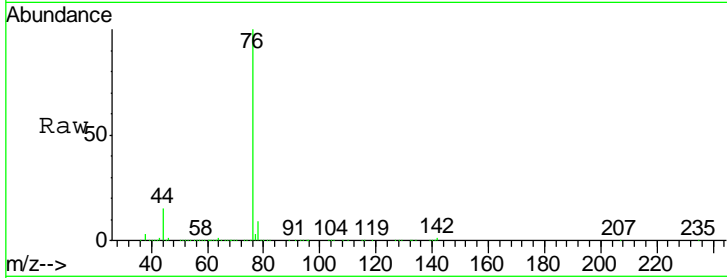


#17
 Carbon Disulfide
 Concen: 18.23 ug/l
 RT: 2.48 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.2	7.1	10.7

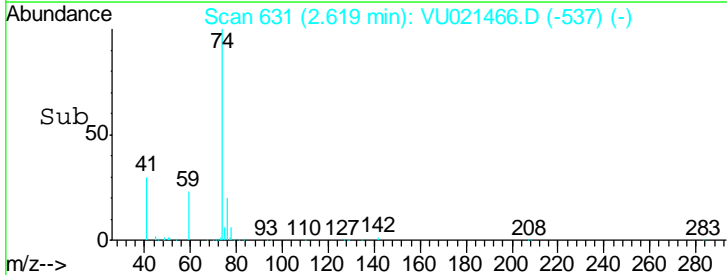
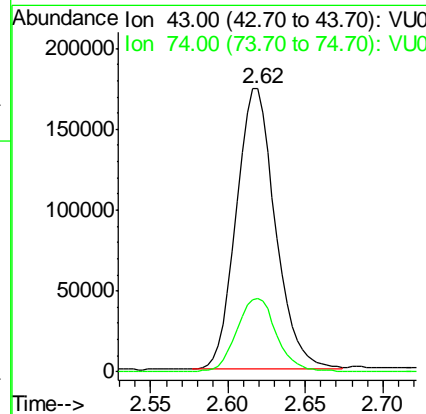
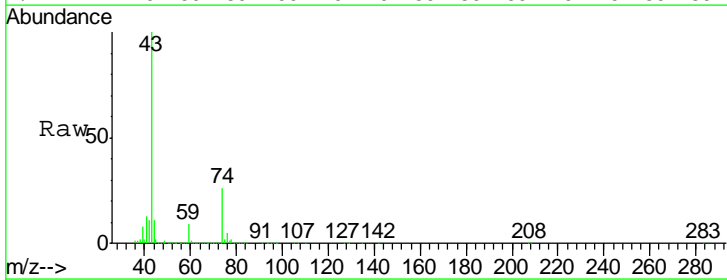
Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

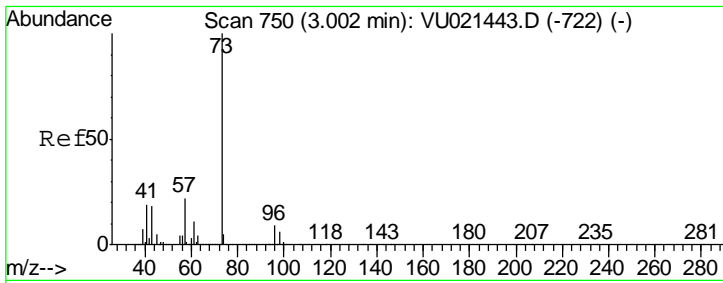
Manual Integrations APPROVED
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#18
 Methyl Acetate
 Concen: 19.64 ug/l
 RT: 2.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
43	100		
74	27.0	21.3	31.9



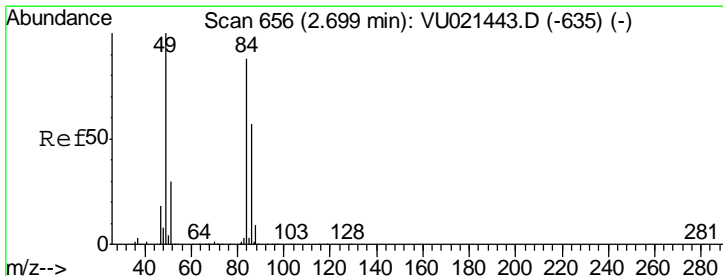
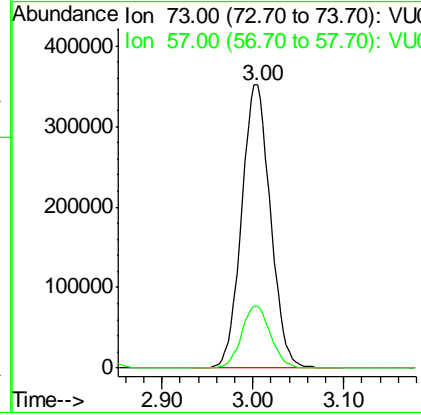
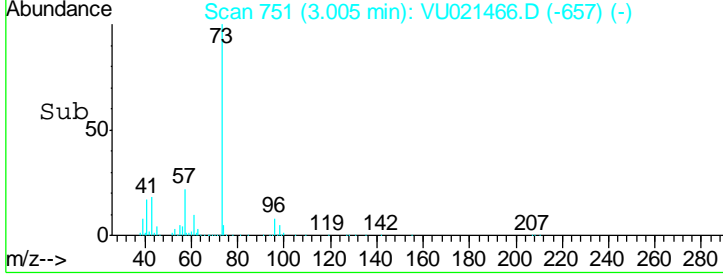
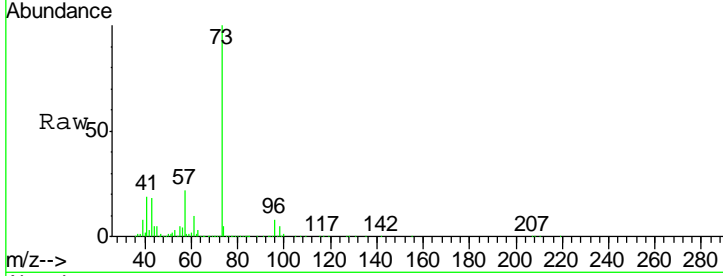


#19
 Methyl tert-butyl Ether
 Concen: 19.11 ug/l
 RT: 3.00 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.0	17.6	26.4

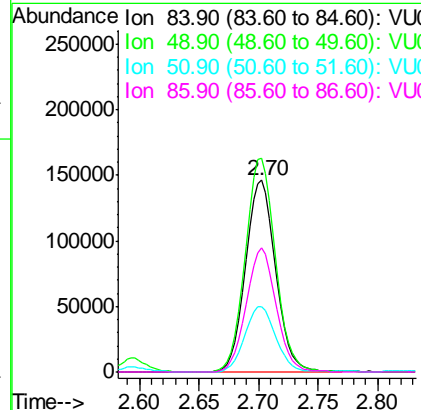
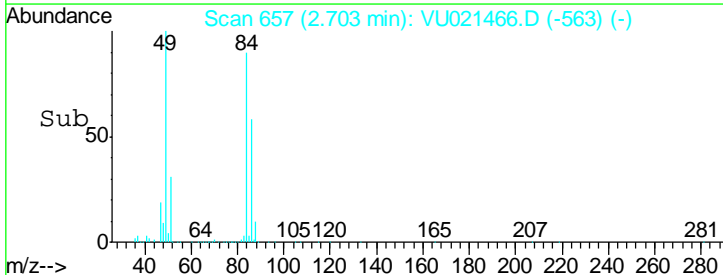
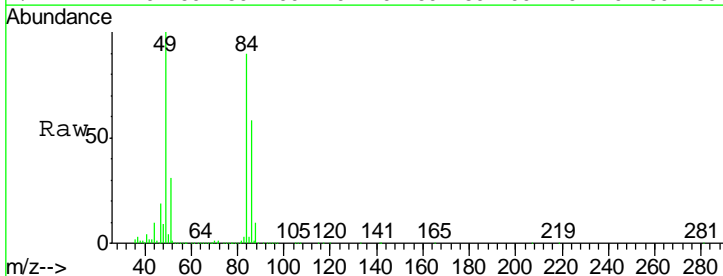
Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

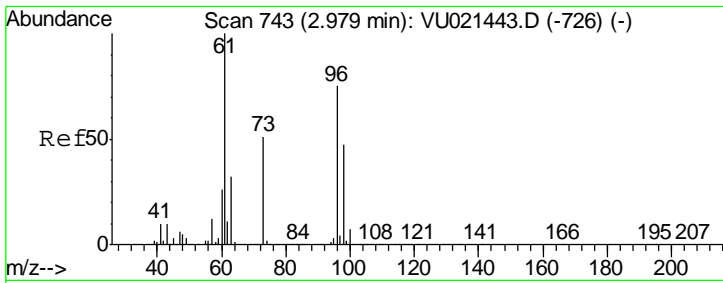
Manual Integrations APPROVED
 MMDadoda
 1/5/2018 1:06:15 PM



#20
 Methylene Chloride
 Concen: 18.93 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

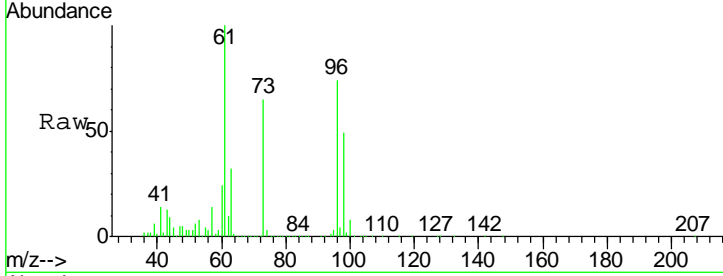
Tgt Ion	Resp	Lower	Upper
84	100		
49	111.4	90.4	135.6
51	33.9	27.4	41.2
86	64.6	51.5	77.3





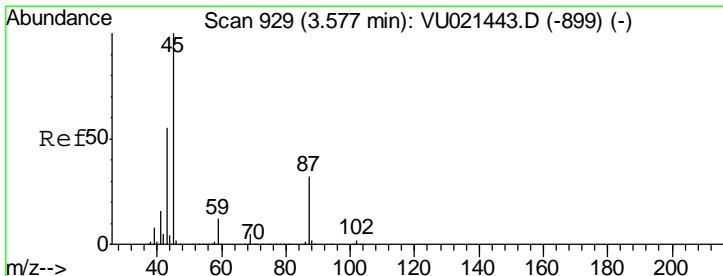
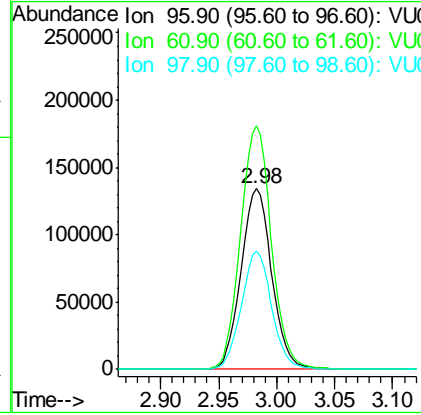
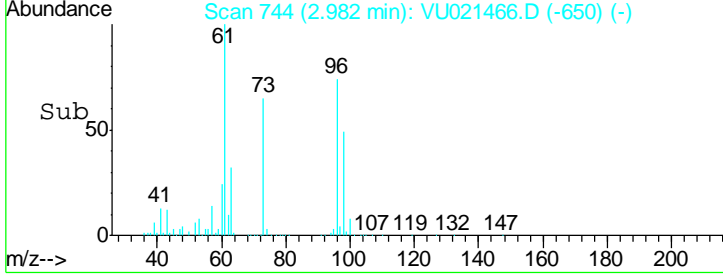
#21
 trans-1,2-Dichloroethene
 Concen: 19.10 ug/l
 RT: 2.98 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

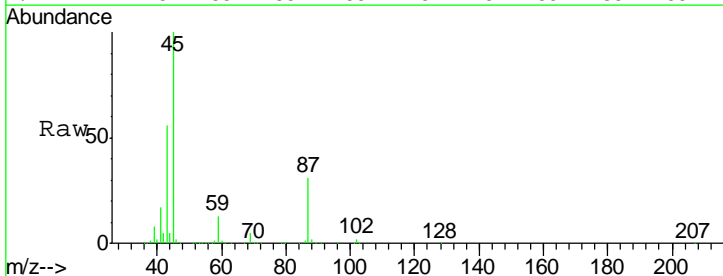


Tgt Ion	Resp	Lower	Upper
96	245719		
61	135.2	106.2	159.4
98	65.9	49.6	74.4

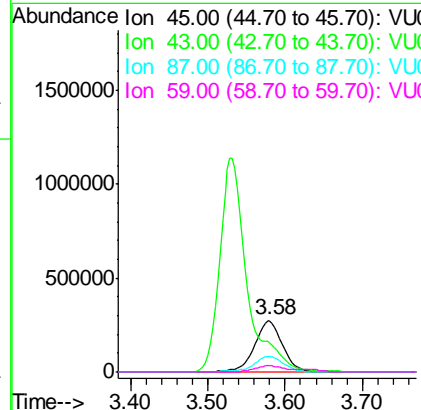
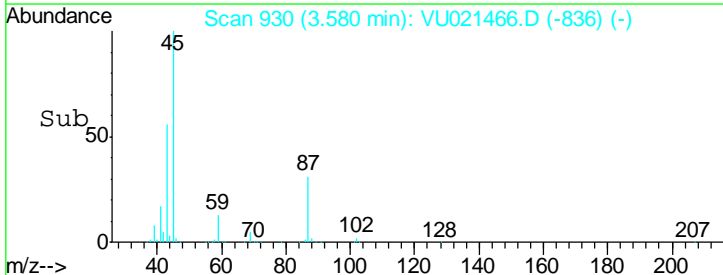
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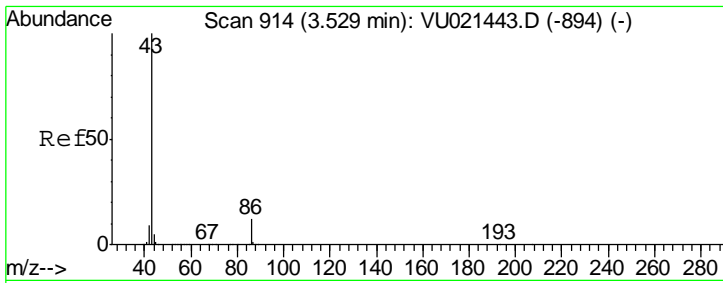


#22
 Diisopropyl ether
 Concen: 18.98 ug/l
 RT: 3.58 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03



Tgt Ion	Resp	Lower	Upper
45	686947		
43	55.8	44.2	66.2
87	31.1	25.8	38.6
59	12.7	10.0	15.0



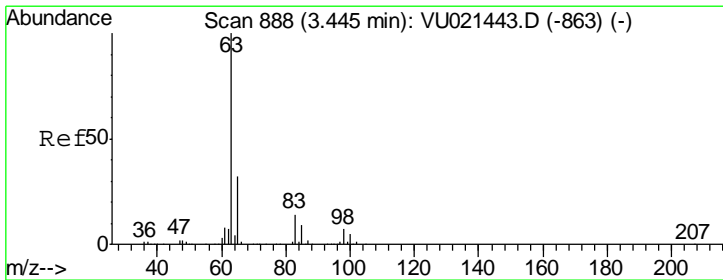
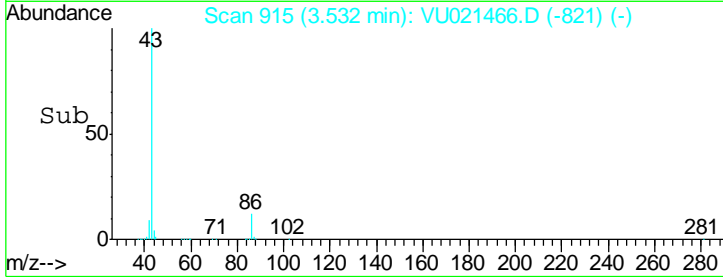
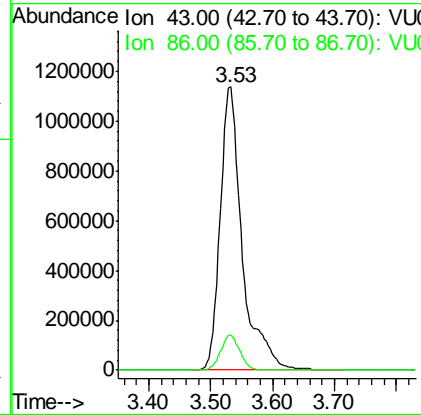
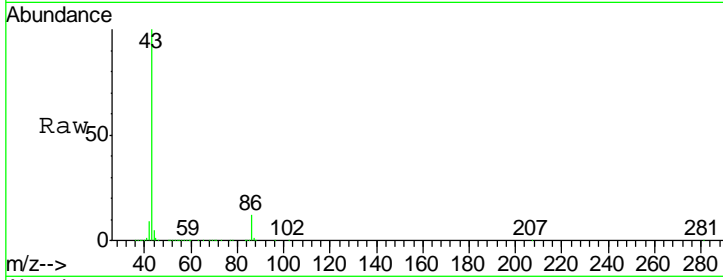


#23
 Vinyl Acetate
 Concen: 97.60 ug/l
 RT: 3.53 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
43	100		
86	12.3	9.8	14.6

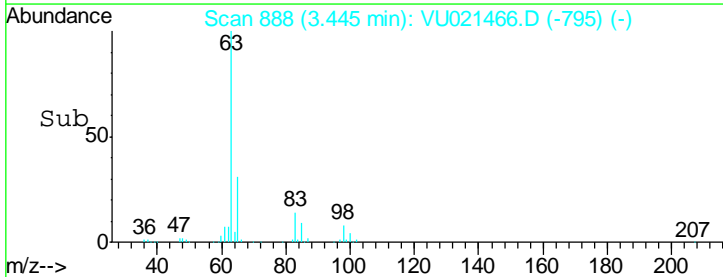
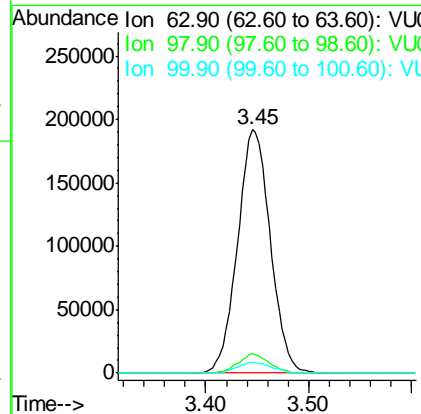
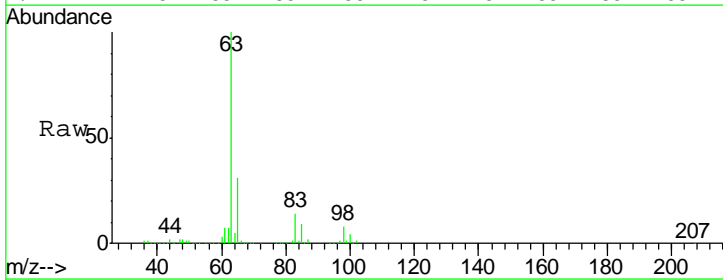
Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

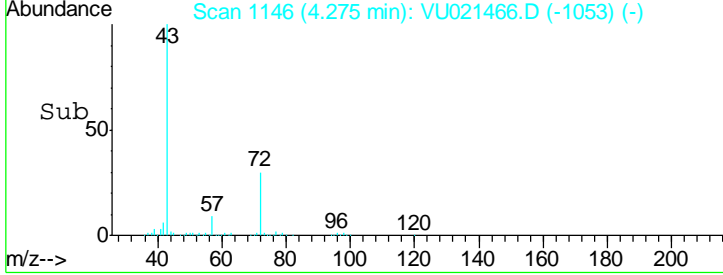
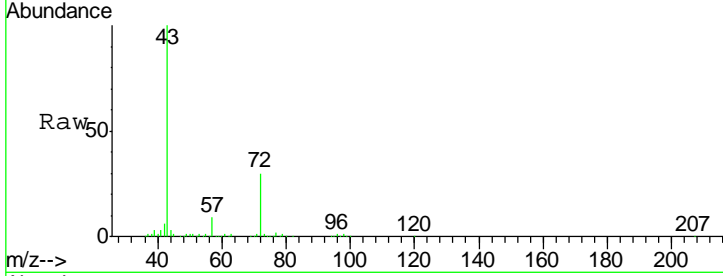
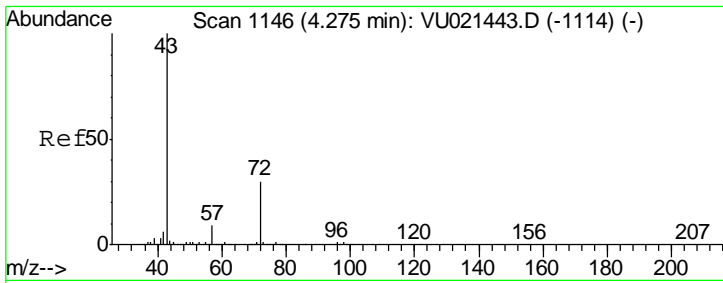
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#24
 1,1-Dichloroethane
 Concen: 18.85 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.9	3.5	10.6
100	4.3	2.3	6.9



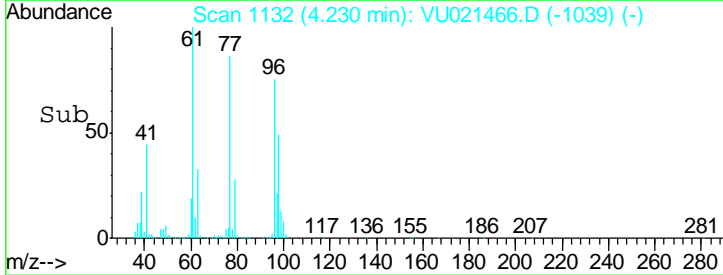
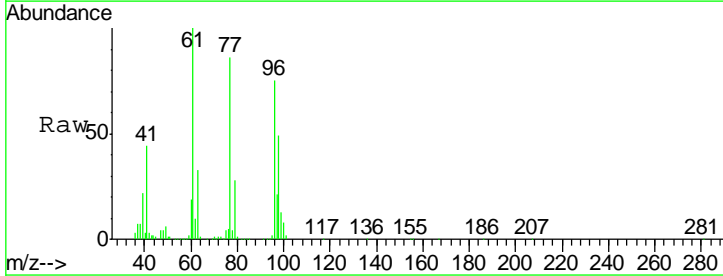
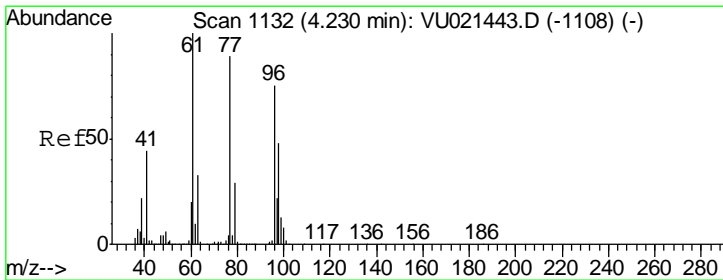
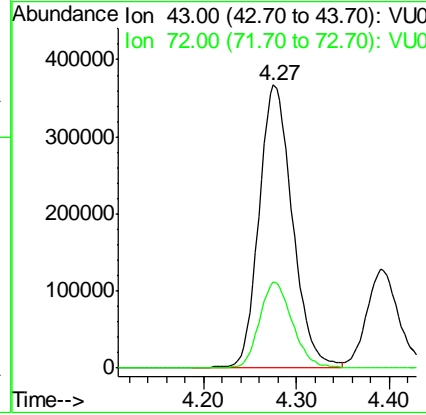


#25
 2-Butanone
 Concen: 99.32 ug/l
 RT: 4.27 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
43	100		
72	30.4	23.7	35.5

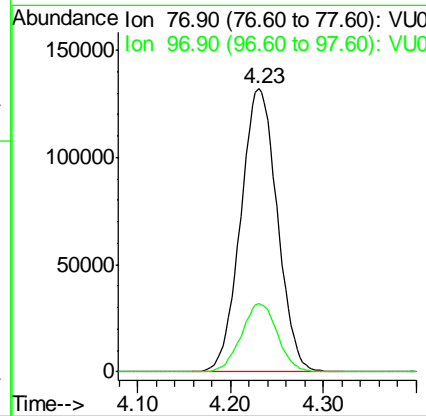
Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

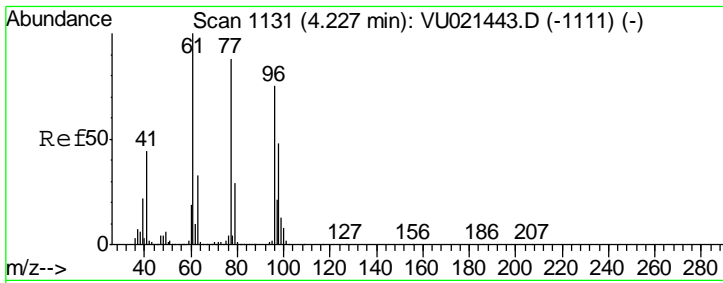
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#26
 2,2-Dichloropropane
 Concen: 18.72 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

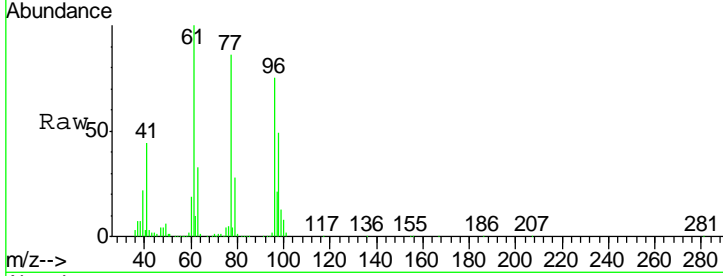
Tgt Ion	Resp	Lower	Upper
77	100		
97	23.9	12.0	36.1





#27
 cis-1,2-Dichloroethene
 Concen: 18.97 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

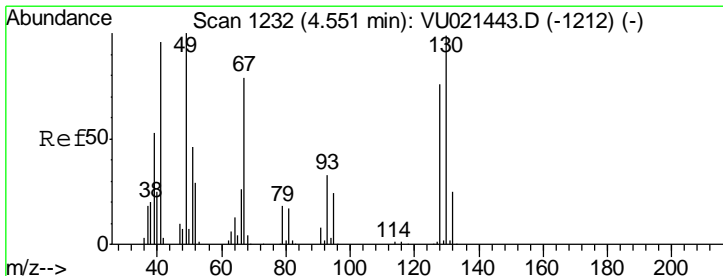
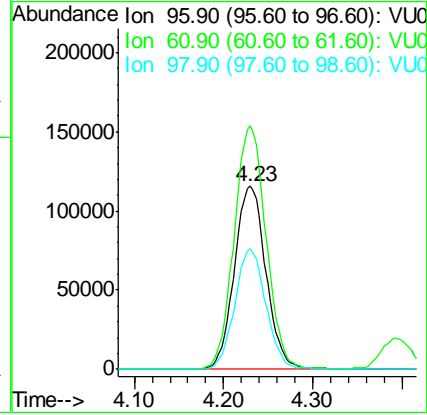
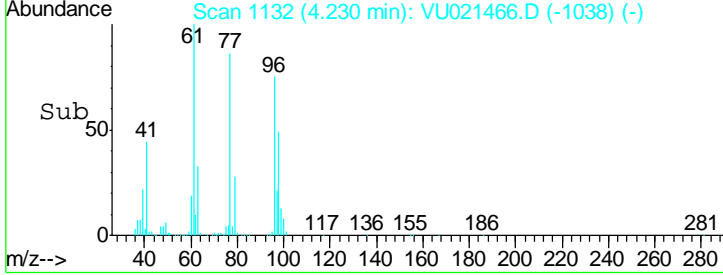
Instrument : MSVOA_U
 Client Sampled : VU0104WBS01



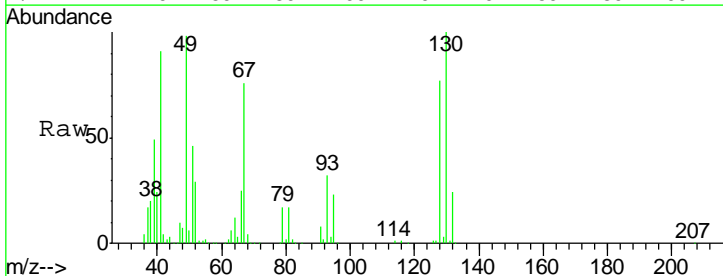
Tgt Ion: 96 Resp: 283657

Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	270.2
98	64.9	0.0	128.2

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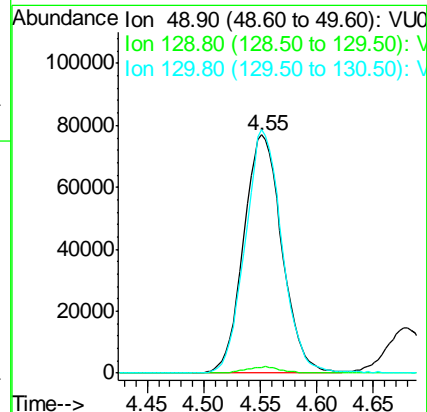
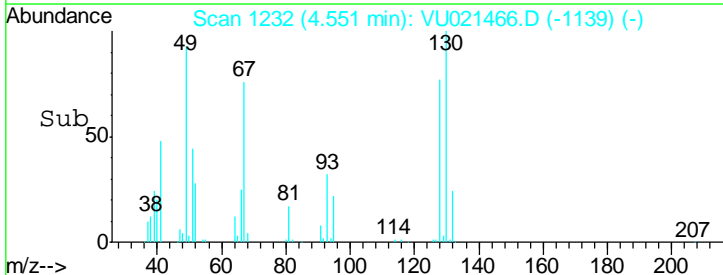


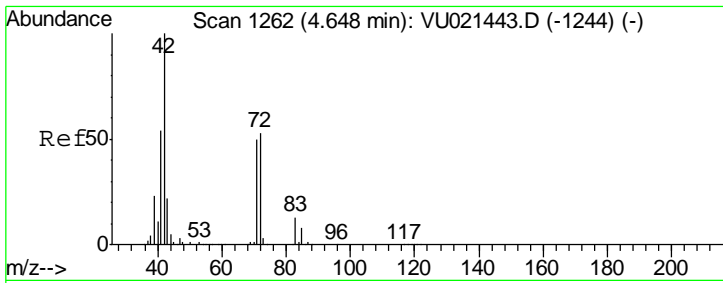
#28
 Bromochloromethane
 Concen: 19.35 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03



Tgt Ion: 49 Resp: 181450

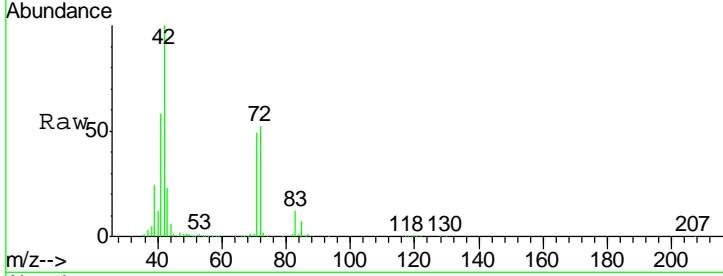
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	98.1	79.1	118.7





#29
 Tetrahydrofuran
 Concen: 95.90 ug/l
 RT: 4.65 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

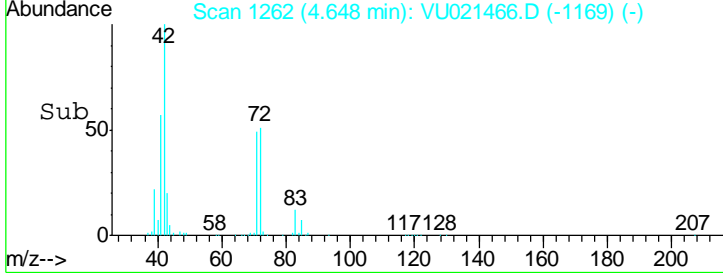
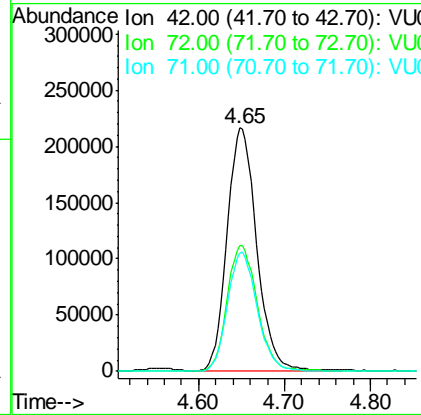
Instrument : MSVOA_U
 Client Sampled : VU0104WBS01



Tgt Ion: 42 Resp: 515152

Ion	Ratio	Lower	Upper
42	100		
72	52.9	42.0	63.0
71	49.1	39.4	59.2

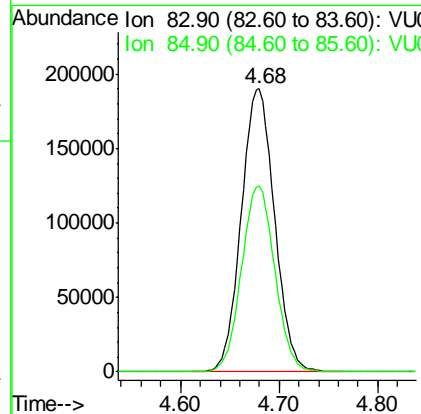
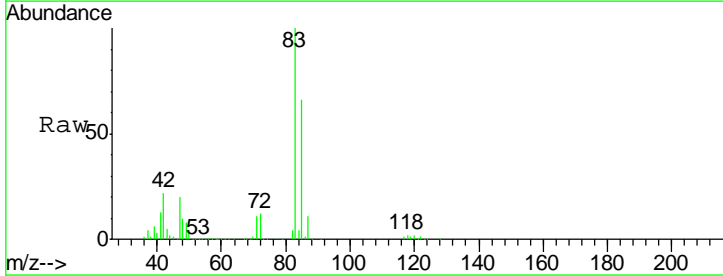
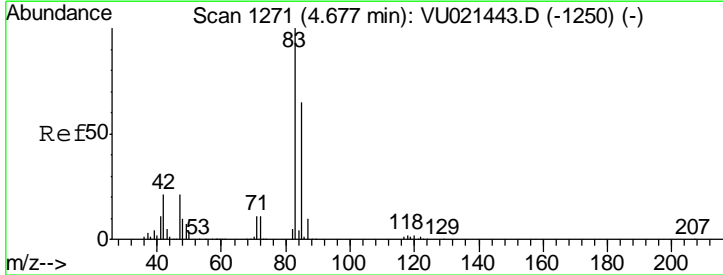
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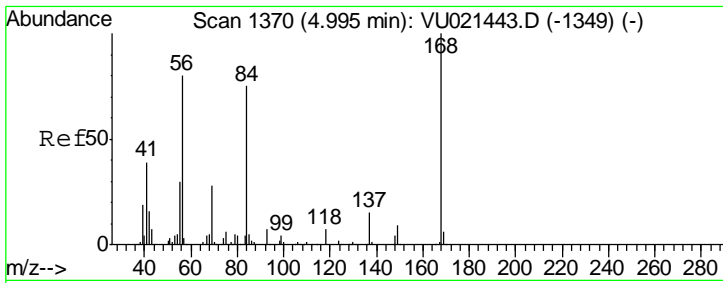


#30
 Chloroform
 Concen: 19.22 ug/l
 RT: 4.68 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion: 83 Resp: 444527

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.1	78.1



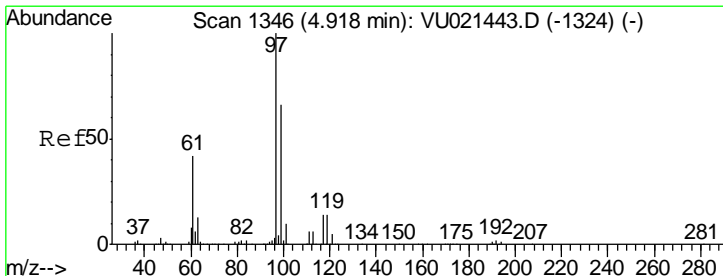
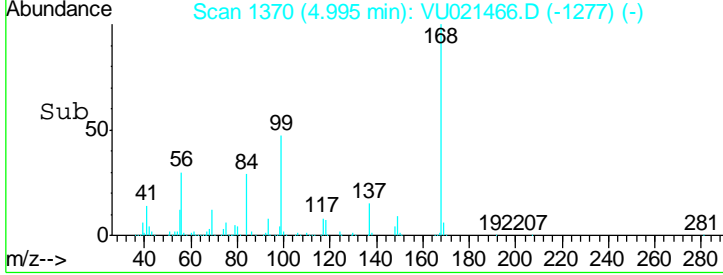
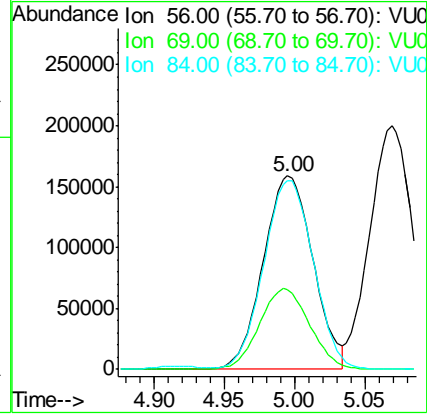
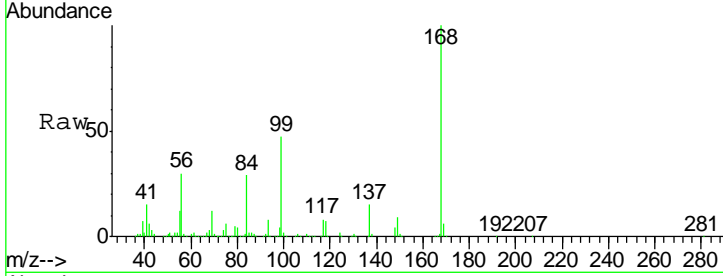


#31
 Cyclohexane
 Concen: 18.95 ug/l
 RT: 5.00 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument :
 MSVOA_U
 Client Sampled :
 VU0104WBS01

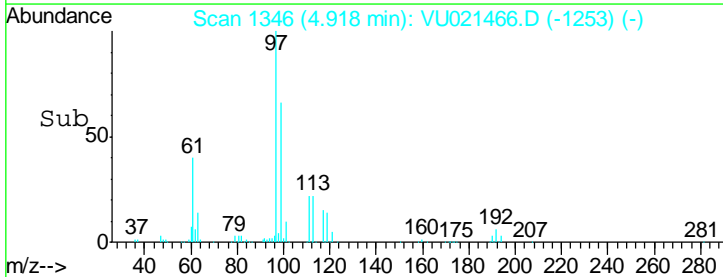
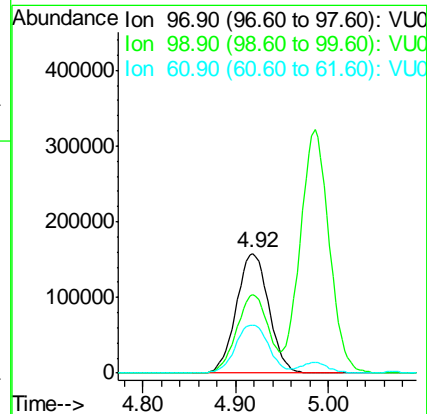
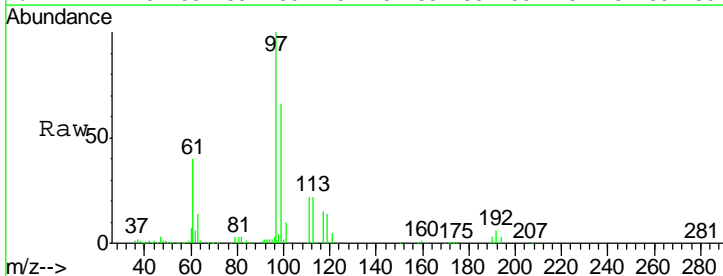
Tgt Ion	Resp	Lower	Upper
56	389443		
56	100		
69	41.4	28.3	42.5
84	96.5	75.6	113.4

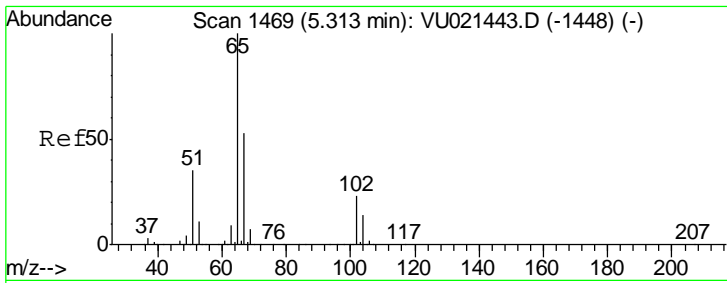
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#32
 1,1,1-Trichloroethane
 Concen: 18.92 ug/l
 RT: 4.92 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
97	384059		
97	100		
99	63.6	51.8	77.6
61	41.0	33.1	49.7





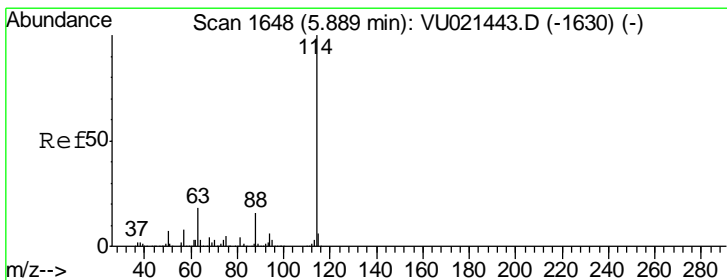
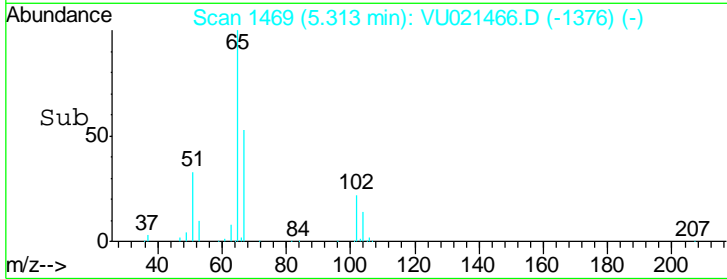
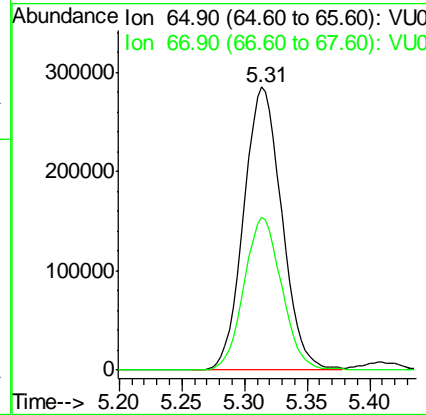
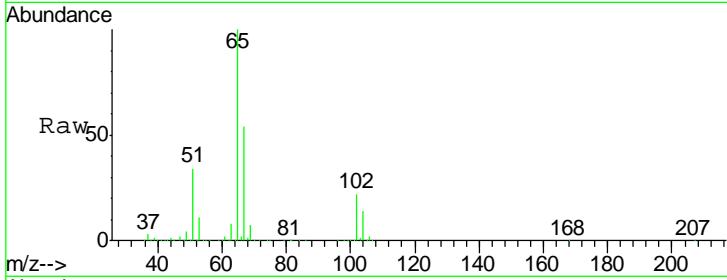
#33
 1,2-Dichloroethane-d4
 Concen: 49.41 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.5	0.0	106.6

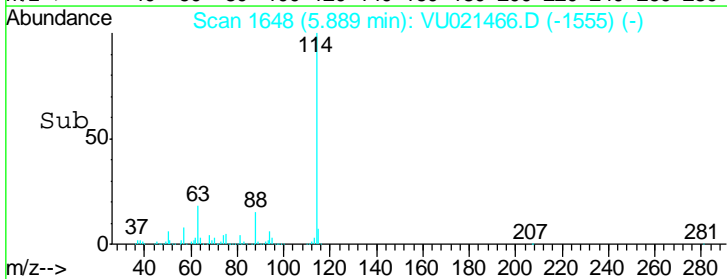
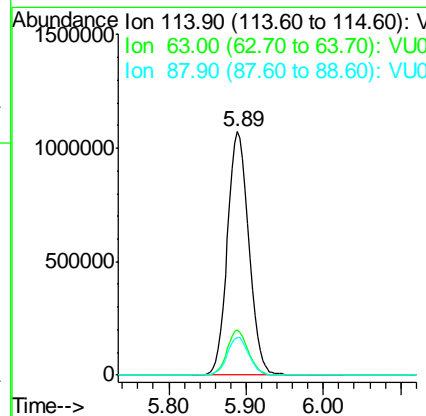
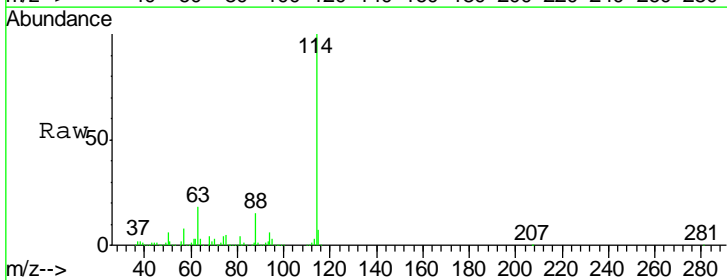
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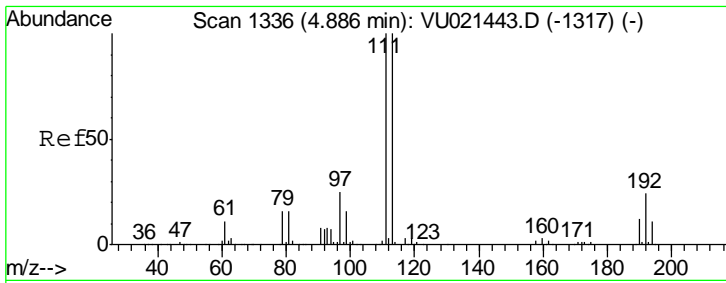
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

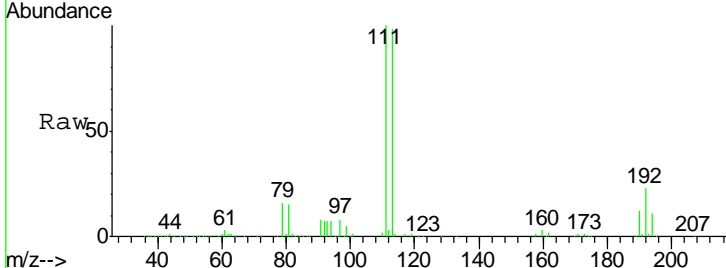
Tgt Ion	Resp	Lower	Upper
114	100		
63	18.5	0.0	36.6
88	15.5	0.0	31.2





#35
 Dibromofluoromethane
 Concen: 48.86 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

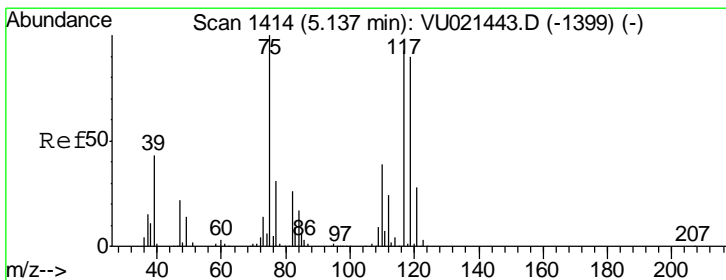
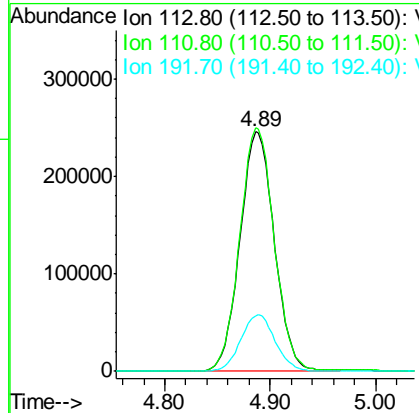
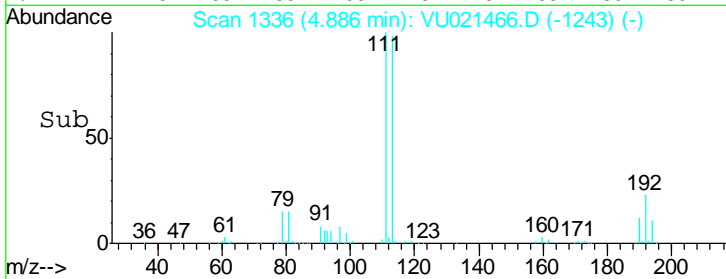
Instrument : MSVOA_U
 ClientSampled : VU0104WBS01



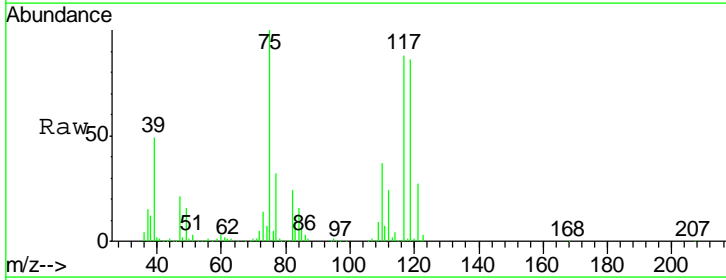
Tgt Ion: 113 Resp: 558332

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.2
192	23.6	19.0	28.4

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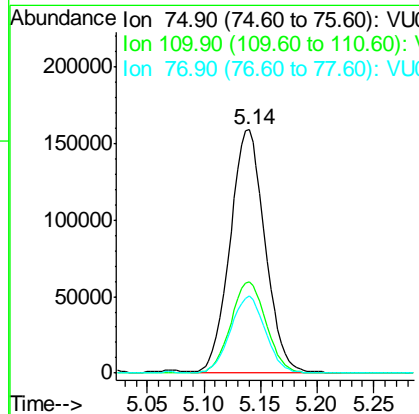
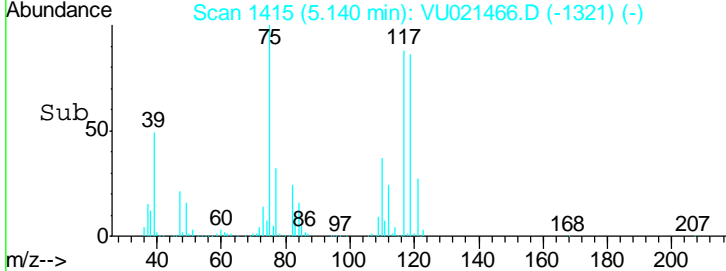


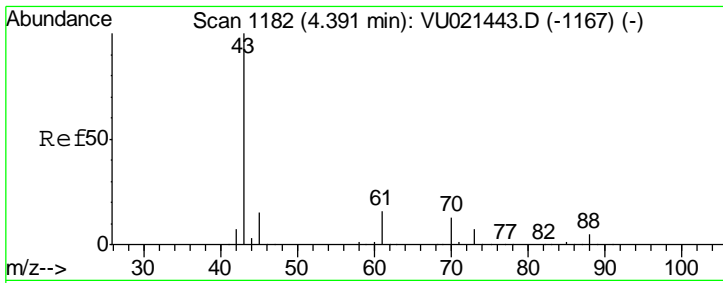
#36
 1,1-Dichloropropene
 Concen: 19.32 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03



Tgt Ion: 75 Resp: 341050

Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.3	57.9
77	31.3	24.9	37.3





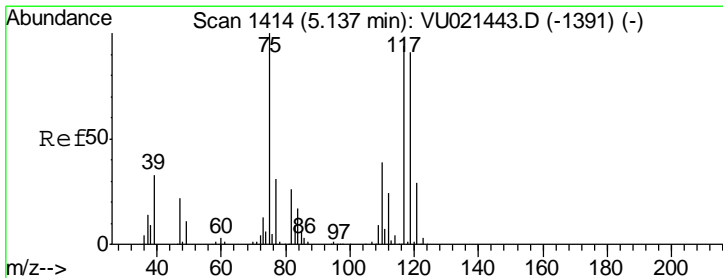
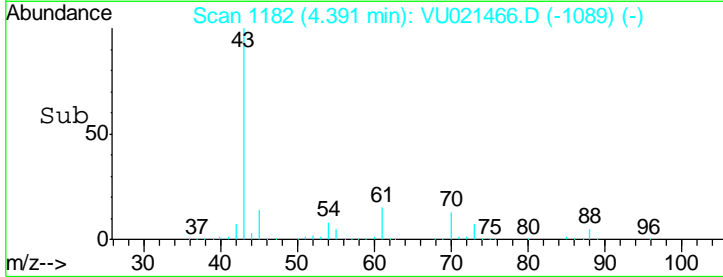
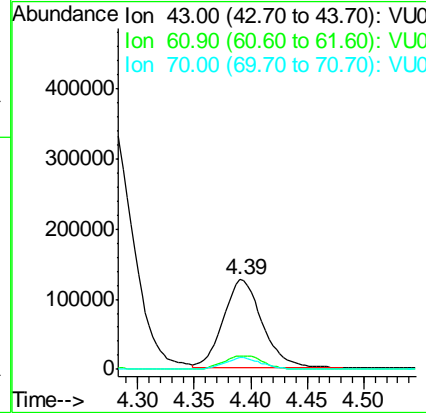
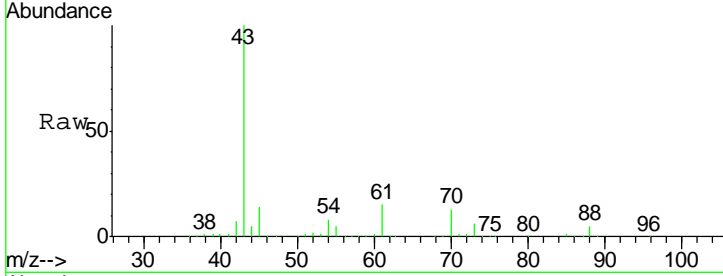
#37
Ethyl Acetate
Concen: 19.38 ug/l
RT: 4.39 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU021466.D
Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
43	100		
61	15.5	12.2	18.2
70	12.8	10.2	15.4

Instrument : MSVOA_U
ClientSampled : VU0104WBS01

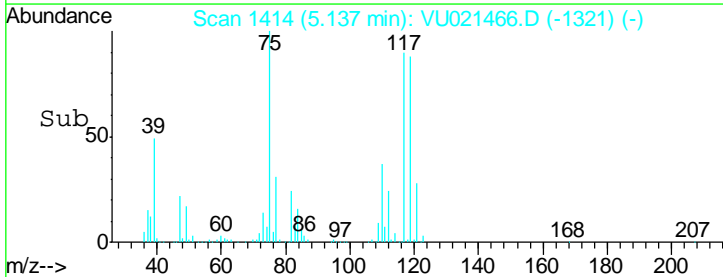
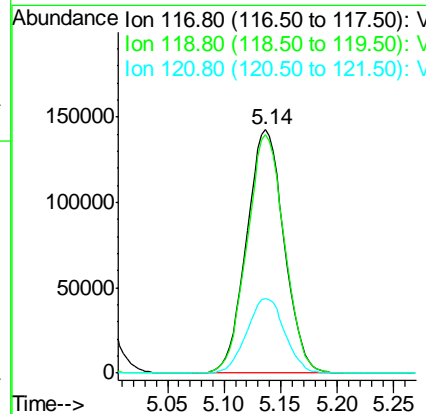
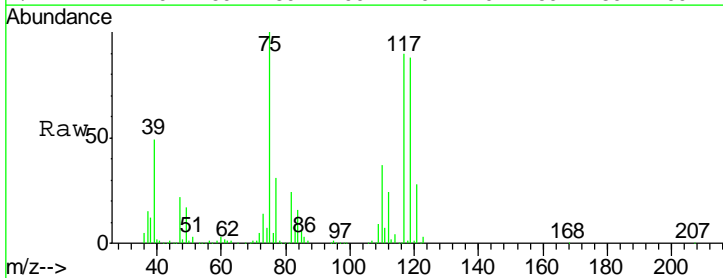
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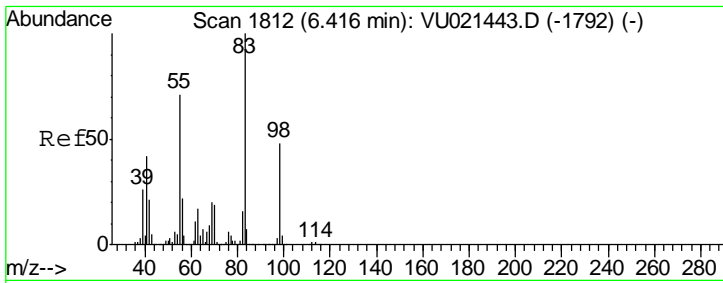
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#38
Carbon Tetrachloride
Concen: 19.00 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU021466.D
Acq: 04 Jan 2018 12:03

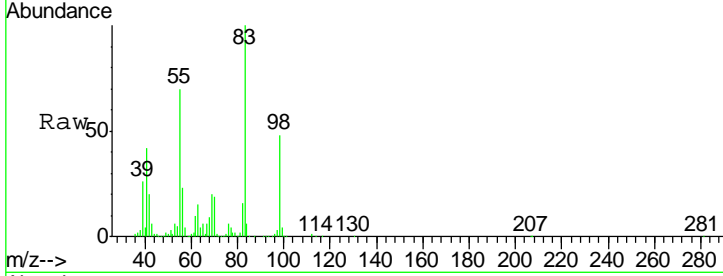
Tgt Ion	Resp	Lower	Upper
117	100		
119	97.8	77.1	115.7
121	30.5	24.4	36.6





#39
 Methylcyclohexane
 Concen: 19.79 ug/l
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

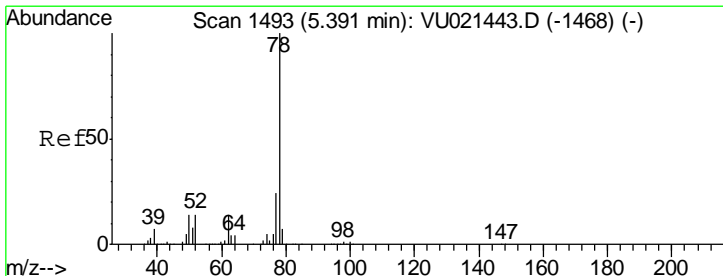
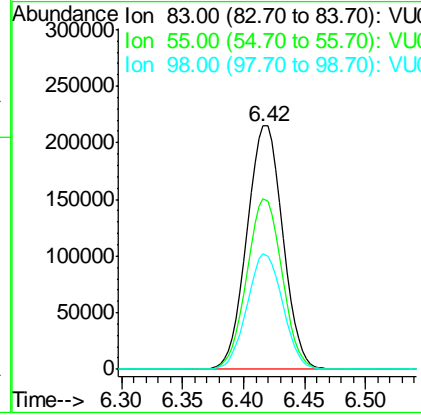
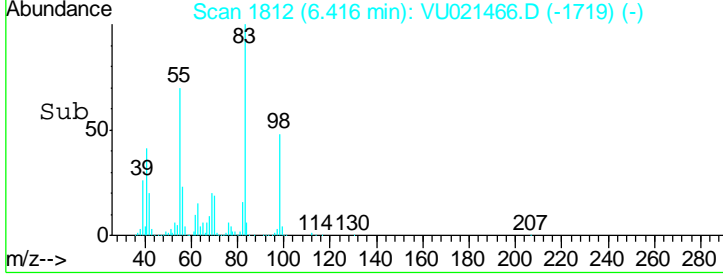
Instrument : MSVOA_U
 ClientSampled : VU0104WBS01



Tgt Ion: 83 Resp: 436238

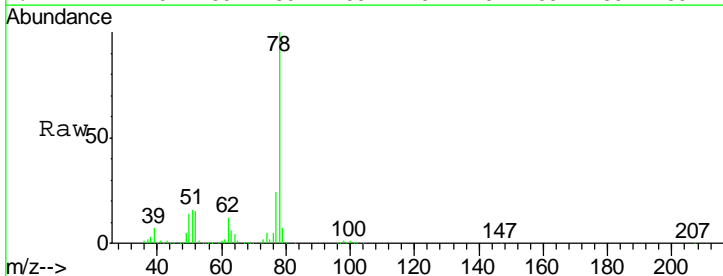
Ion	Ratio	Lower	Upper
83	100		
55	70.2	56.8	85.2
98	47.6	38.1	57.1

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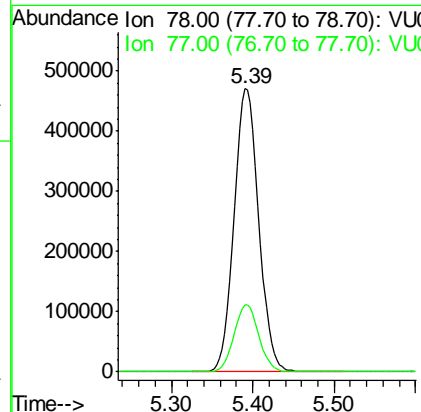
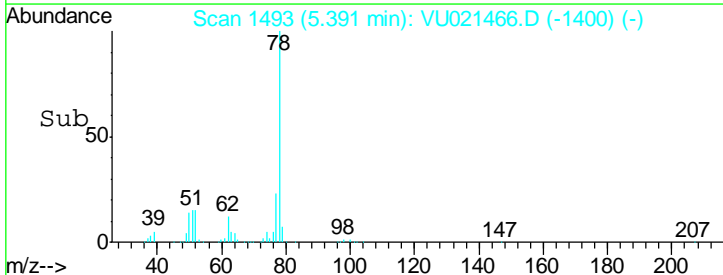
#40
 Benzene
 Concen: 19.32 ug/l
 RT: 5.39 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

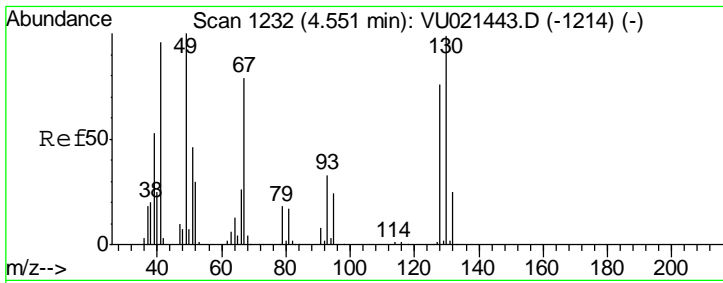
1
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16



Tgt Ion: 78 Resp: 998708

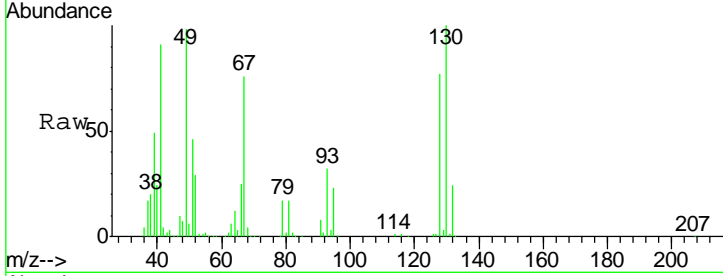
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





#41
 Methacrylonitrile
 Concen: 19.80 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

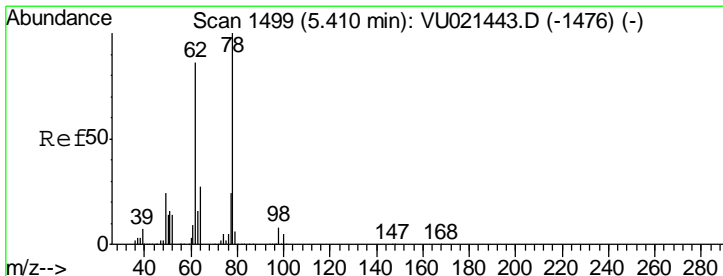
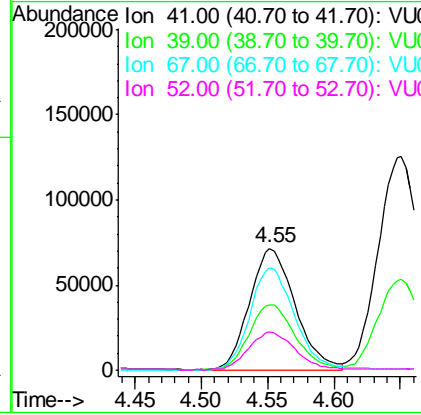
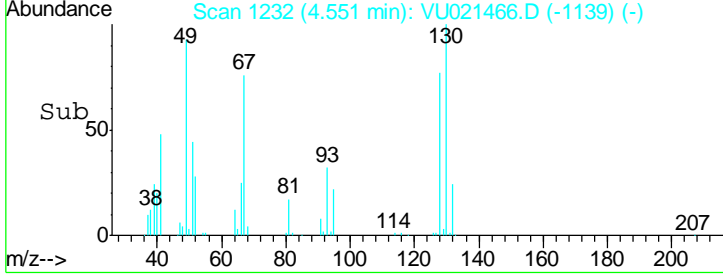
Instrument : MSVOA_U
 Client Sampled : VU0104WBS01



Tgt Ion: 41 Resp: 169672

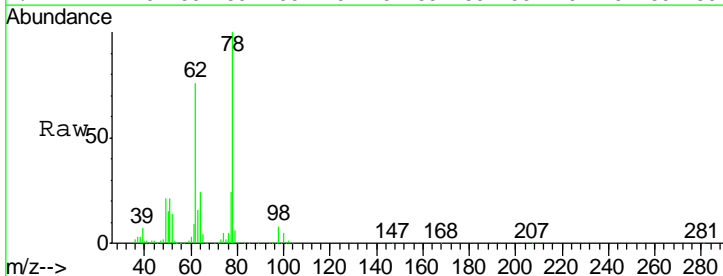
Ion	Ratio	Lower	Upper
41	100		
39	54.9	44.3	66.5
67	83.6	67.2	100.8
52	31.8	25.0	37.6

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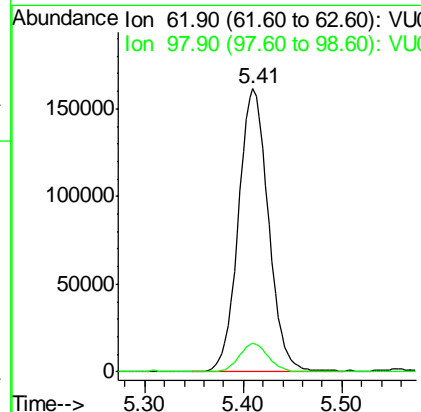
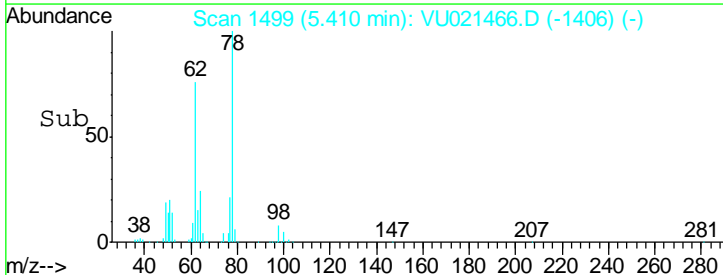
#42
 1,2-Dichloroethane
 Concen: 19.36 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

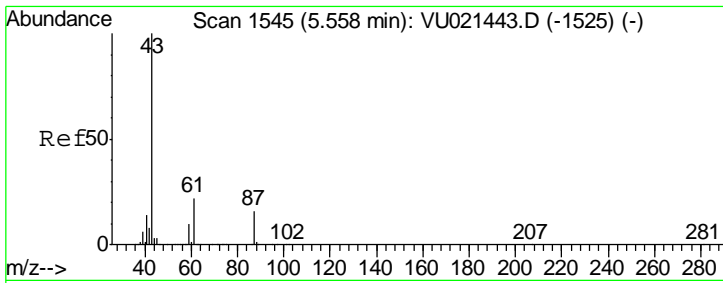
Instrument : MSVOA_U
 Client Sampled : VU0104WBS01



Tgt Ion: 62 Resp: 341243

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6





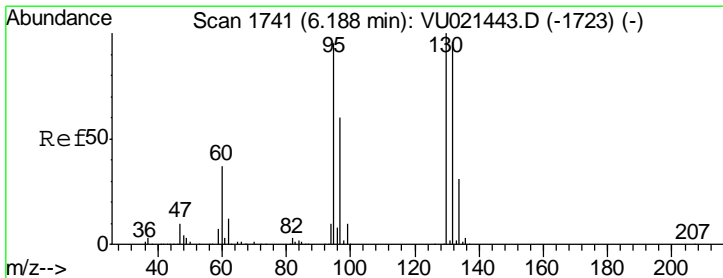
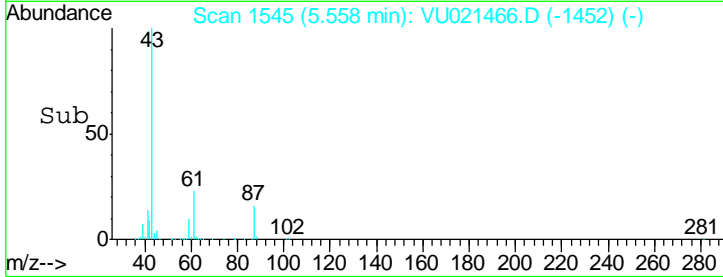
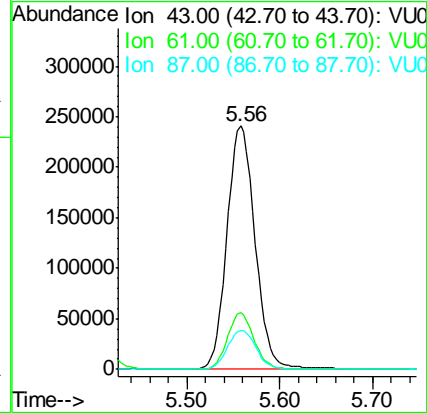
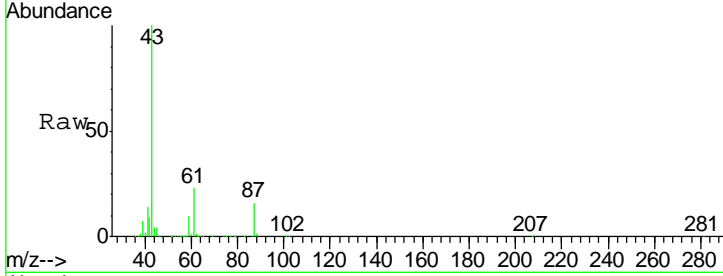
#43
 Isopropyl Acetate
 Concen: 19.22 ug/l
 RT: 5.56 min Scan# 1545
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

Tgt Ion	Resp	Lower	Upper
43	100		
61	22.2	17.8	26.6
87	16.3	12.8	19.2

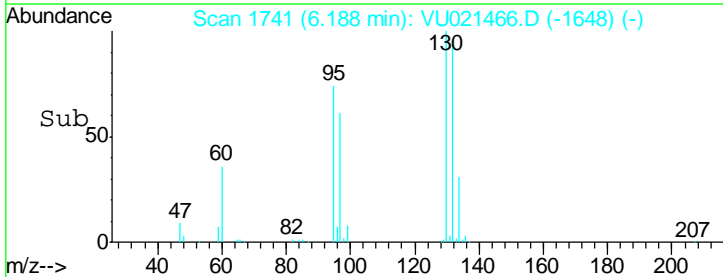
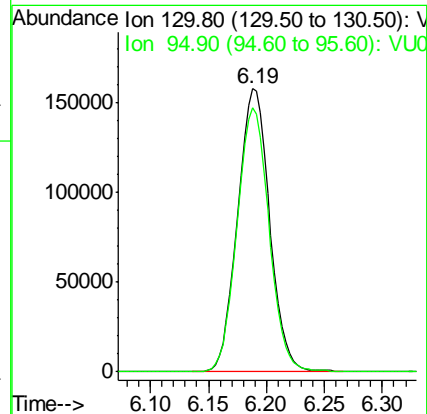
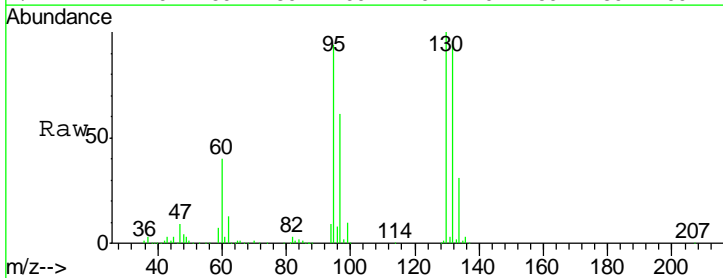
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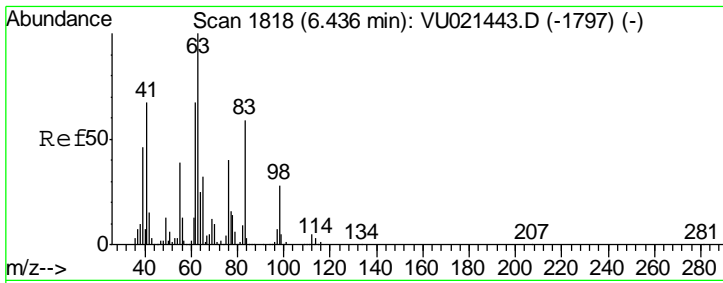
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#44
 Trichloroethene
 Concen: 19.28 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
130	100		
95	93.5	0.0	189.6



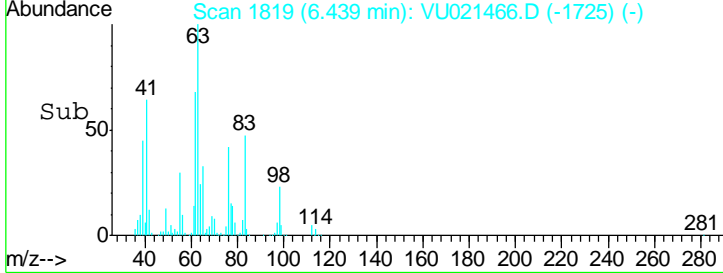
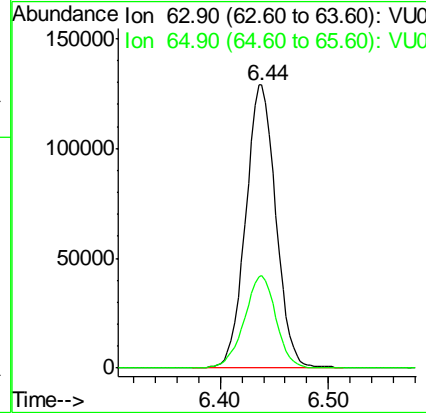
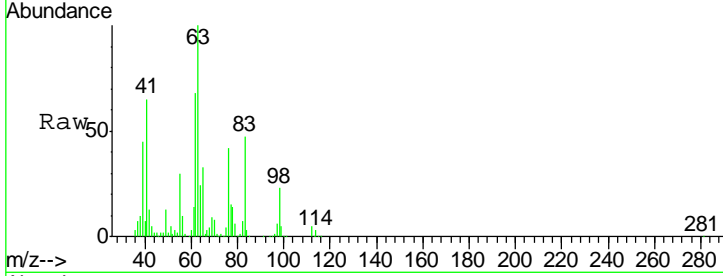


#45
 1,2-Dichloropropane
 Concen: 19.06 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

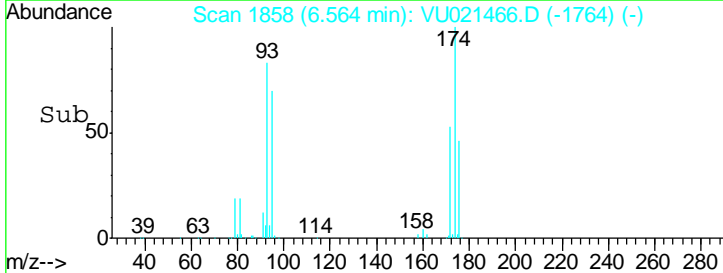
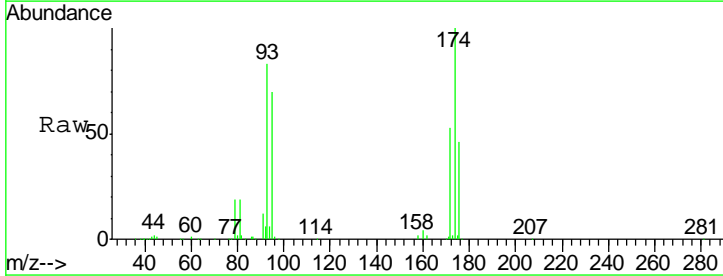
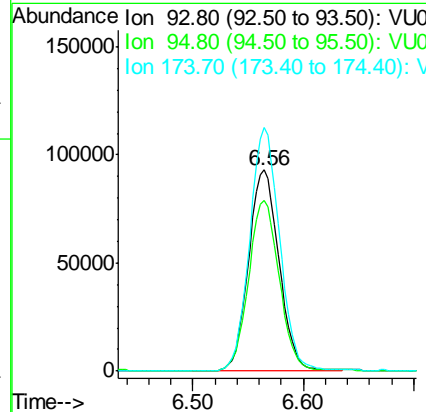
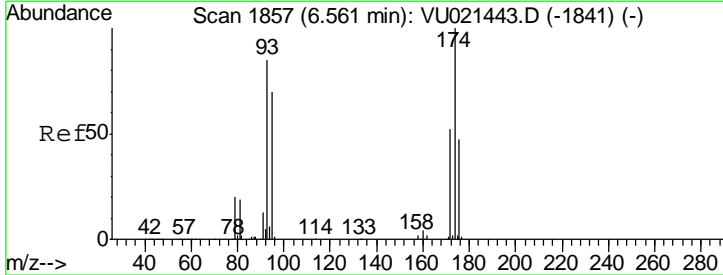
Tgt Ion	Resp	Lower	Upper
63	100		
65	32.7	25.8	38.6

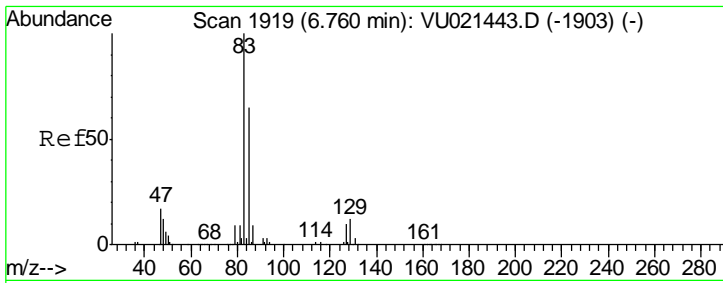
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#46
 Dibromomethane
 Concen: 19.48 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
93	100		
95	85.2	66.8	100.2
174	119.4	95.6	143.4

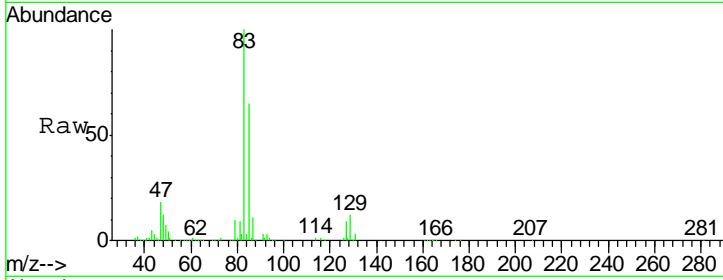




#47

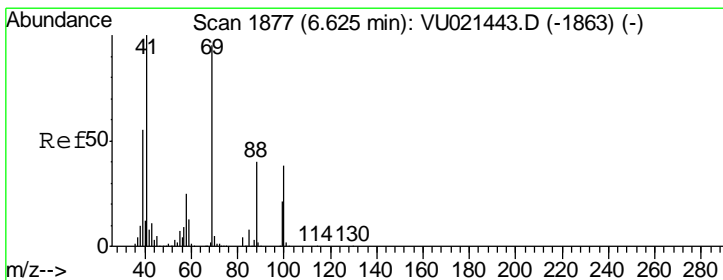
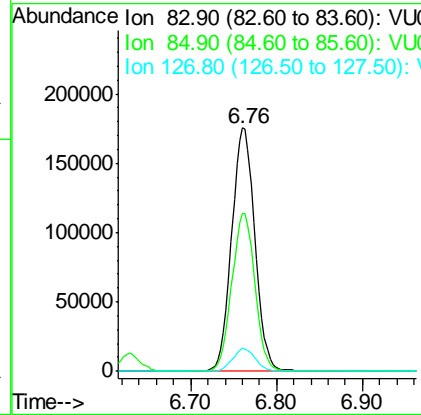
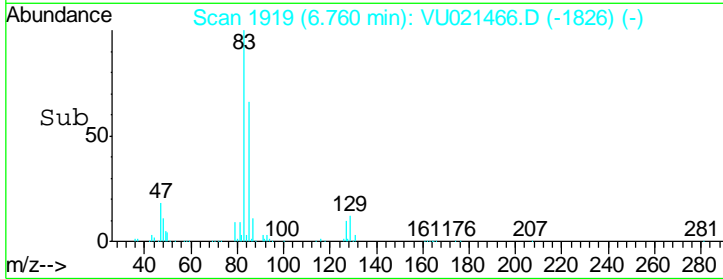
Bromodichloromethane
 Concen: 19.54 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01



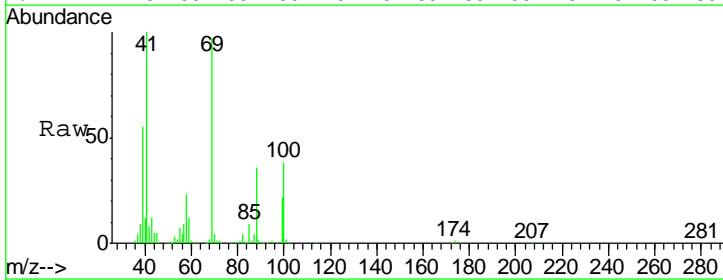
Tgt Ion	Resp	Lower	Upper
83	328372		
85	65.0	51.9	77.9
127	9.4	7.7	11.5

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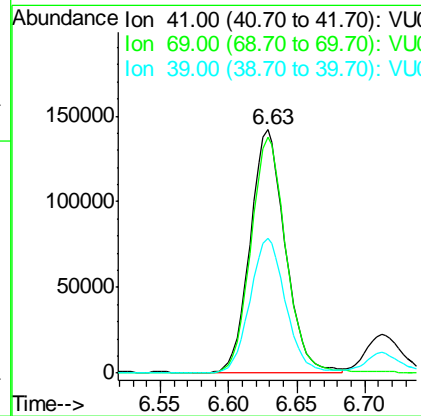
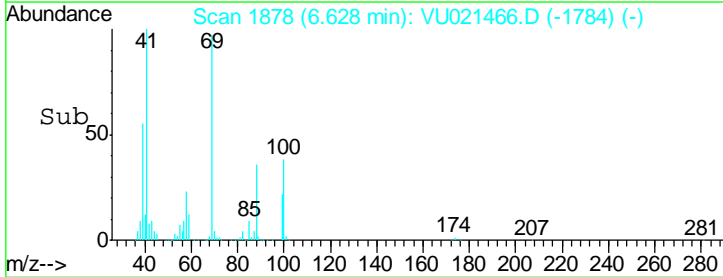


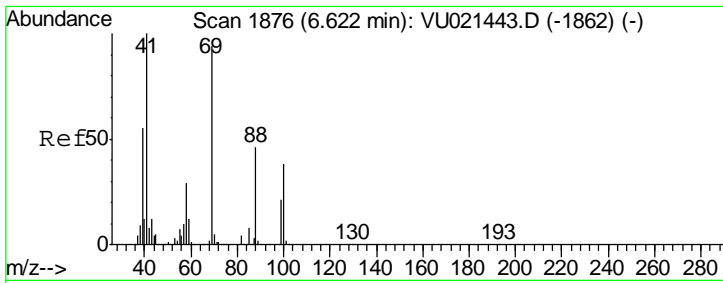
#48

Methyl methacrylate
 Concen: 19.44 ug/l
 RT: 6.63 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03



Tgt Ion	Resp	Lower	Upper
41	252084		
69	97.4	76.5	114.7
39	55.9	44.4	66.6



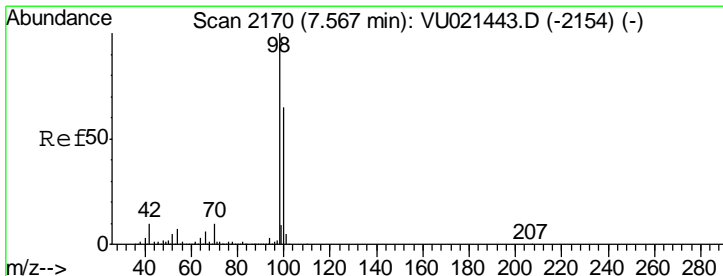
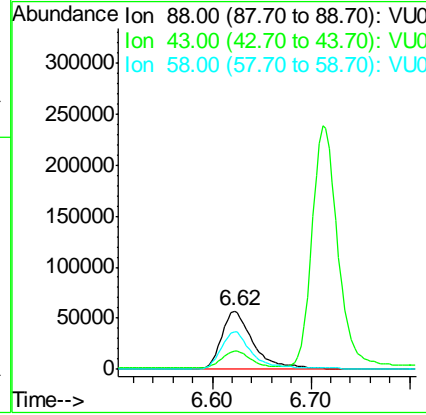
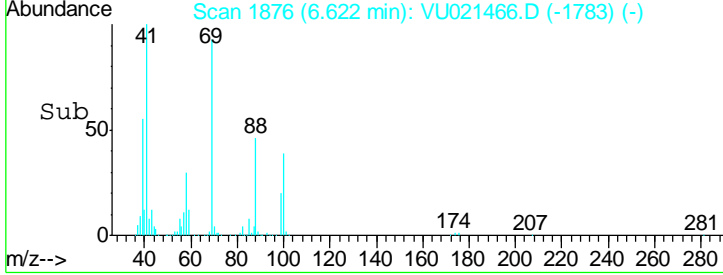
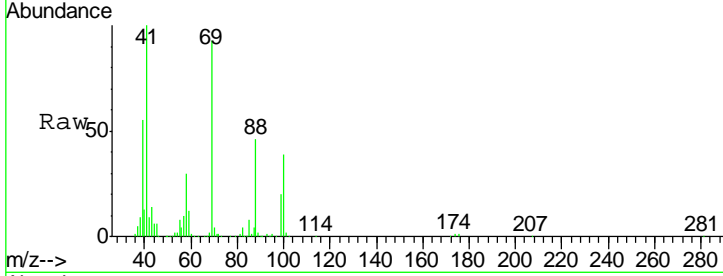


#49
 1,4-Dioxane
 Concen: 391.96 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

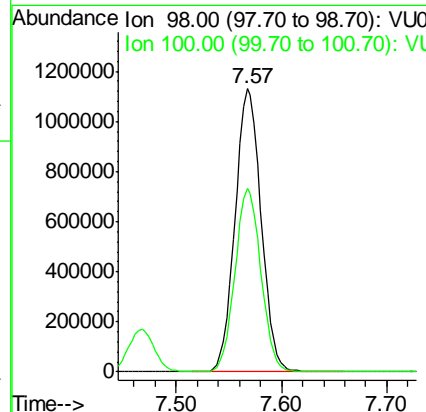
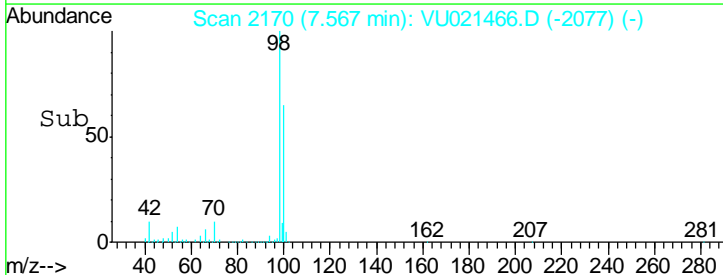
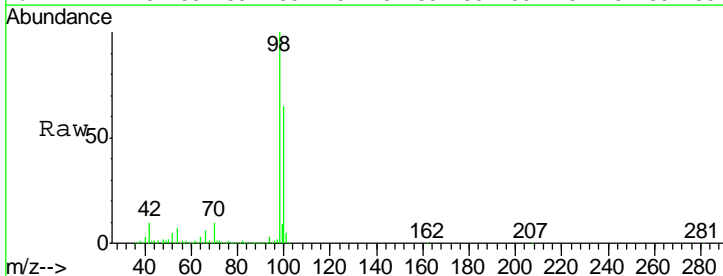
Tgt Ion	Resp	Lower	Upper
88	126784		
88	100		
43	28.7	21.9	32.9
58	64.2	51.9	77.9

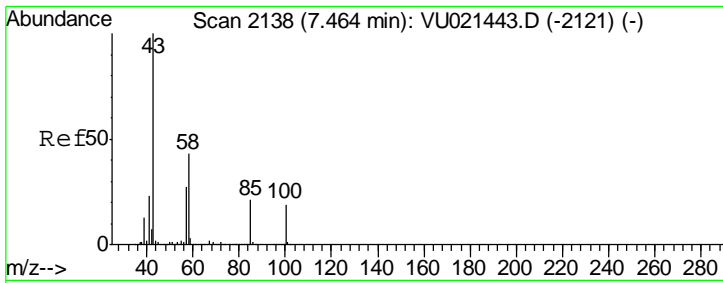
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#50
 Toluene-d8
 Concen: 53.05 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

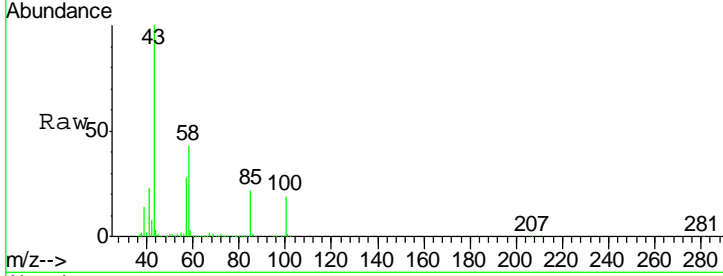
Tgt Ion	Resp	Lower	Upper
98	1932184		
98	100		
100	64.2	51.8	77.8





#51
 4-Methyl-2-Pentanone
 Concen: 99.40 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

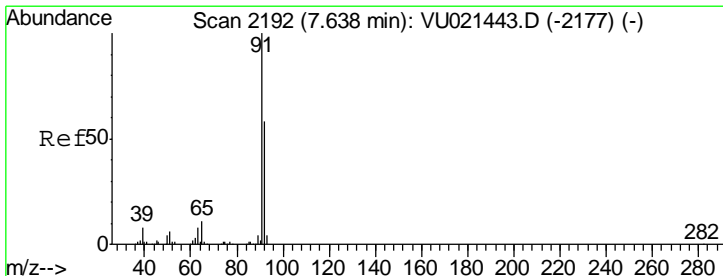
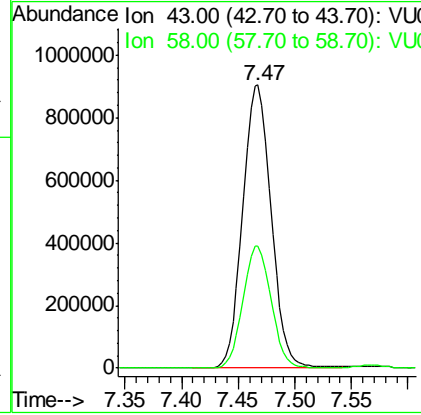
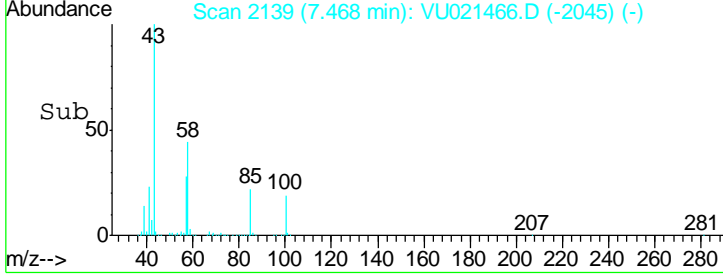
Instrument : MSVOA_U
 Client Sampled : VU0104WBS01



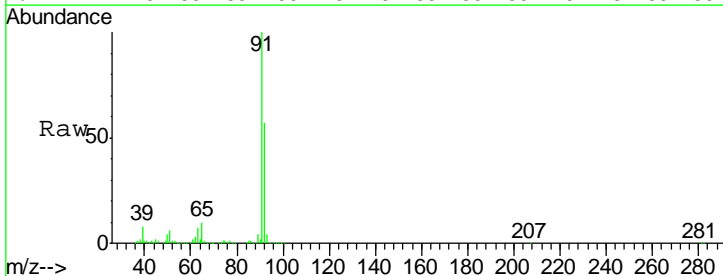
Tgt Ion: 43 Resp: 1589071

Ion	Ratio	Lower	Upper
43	100		
58	42.9	34.4	51.6

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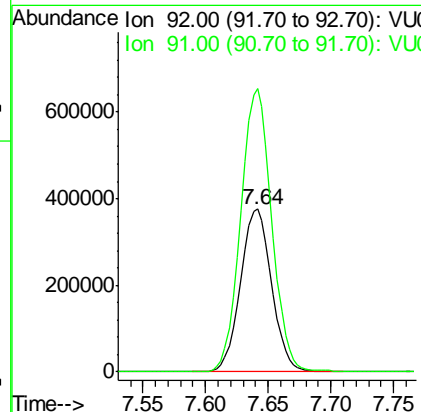
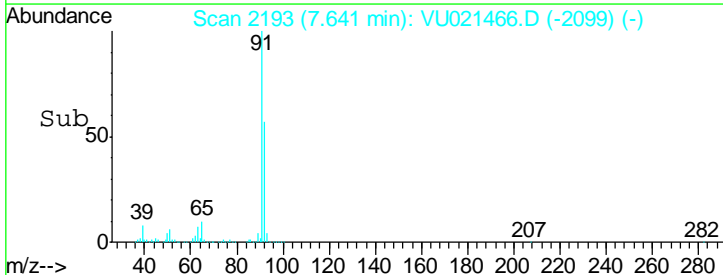


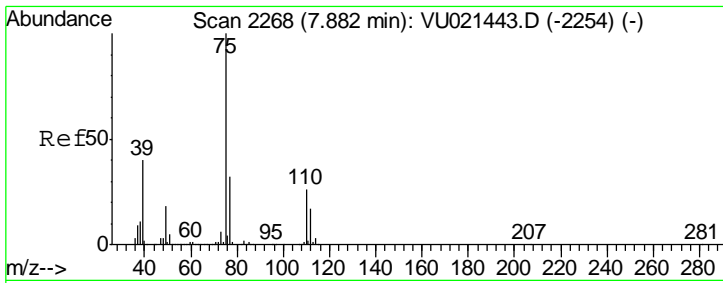
#52
 Toluene
 Concen: 19.50 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03



Tgt Ion: 92 Resp: 646841

Ion	Ratio	Lower	Upper
92	100		
91	173.4	138.3	207.5





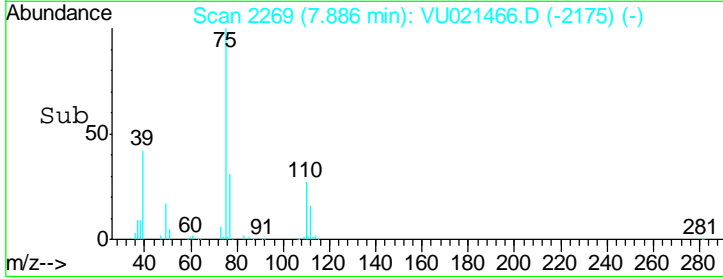
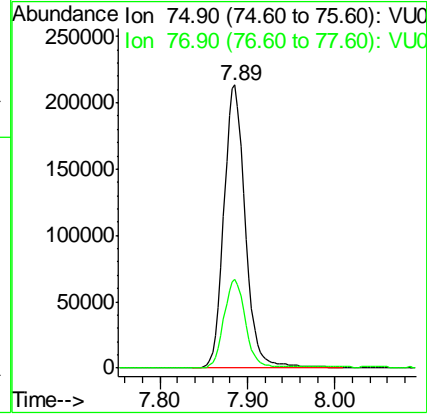
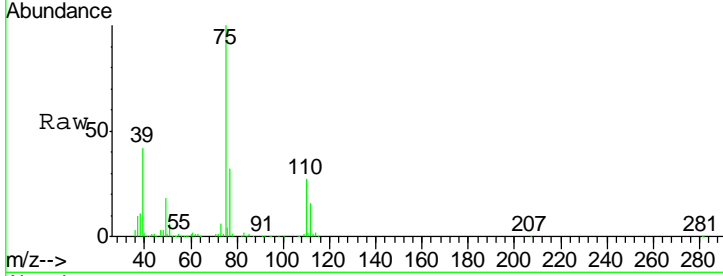
#53
 t-1,3-Dichloropropene
 Concen: 19.37 ug/l
 RT: 7.89 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.5	25.6	38.4

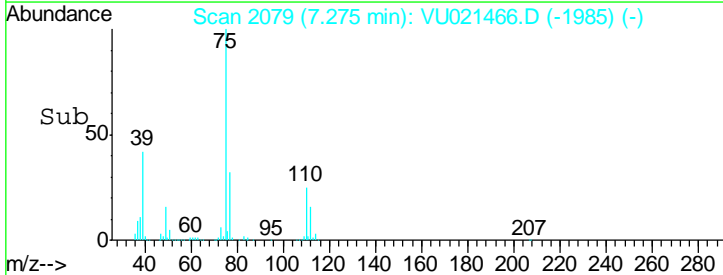
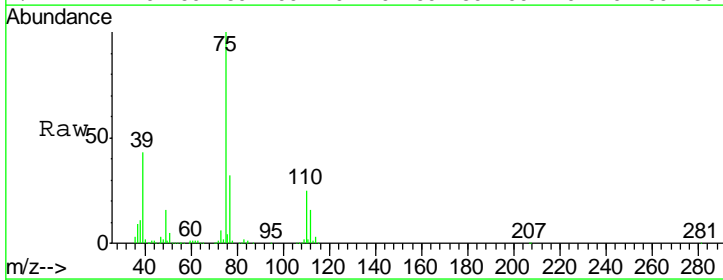
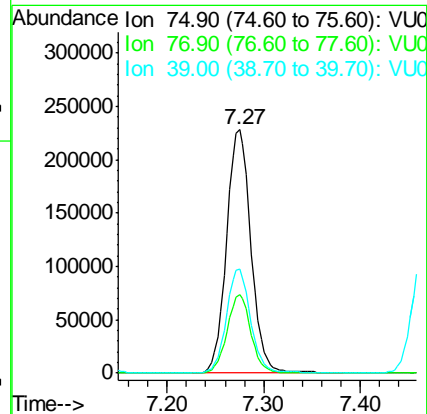
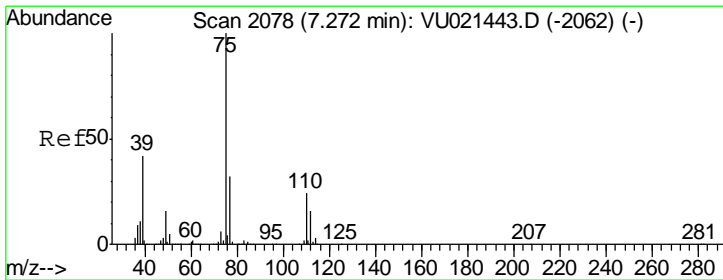
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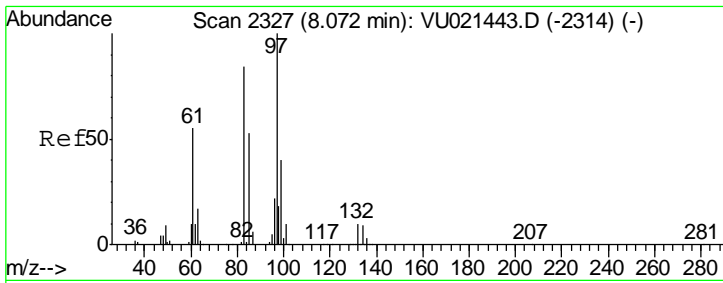
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#54
 cis-1,3-Dichloropropene
 Concen: 19.67 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

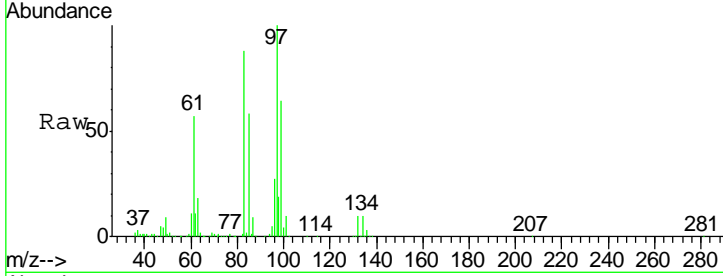
Tgt Ion	Resp	Lower	Upper
75	100		
77	32.3	25.5	38.3
39	42.4	33.8	50.6





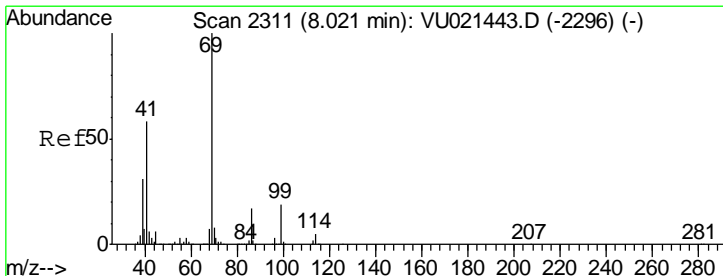
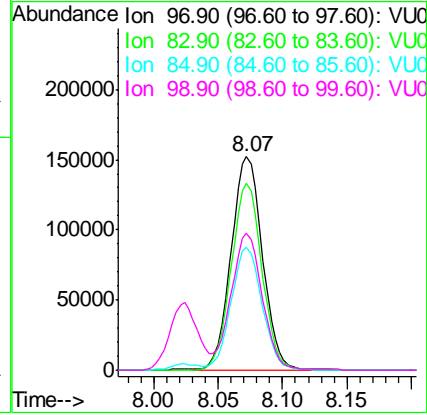
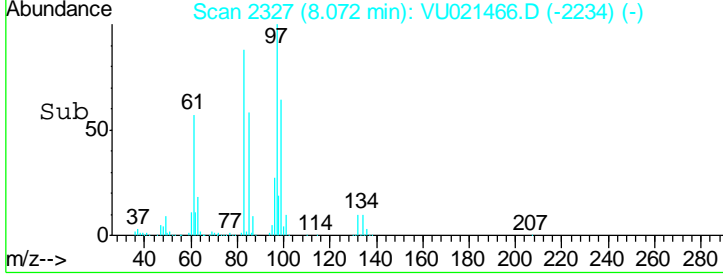
#55
 1,1,2-Trichloroethane
 Concen: 19.38 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

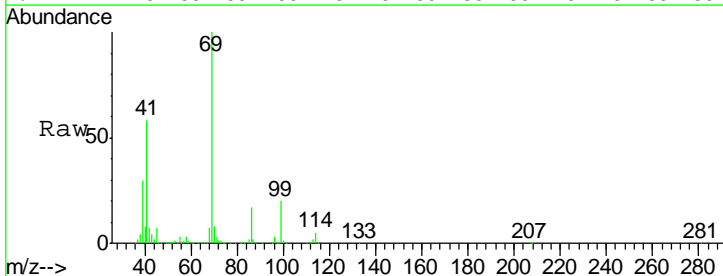


Tgt Ion	Resp	Lower	Upper
97	100		
83	87.8	67.1	100.7
85	57.6	43.6	65.4
99	64.3	50.1	75.1

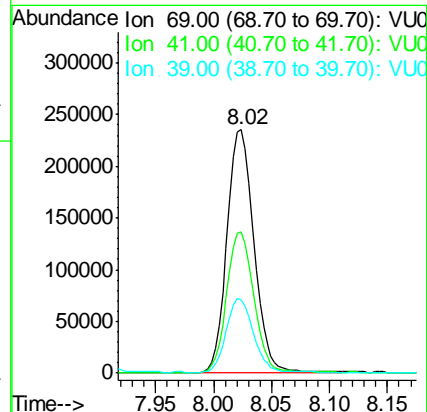
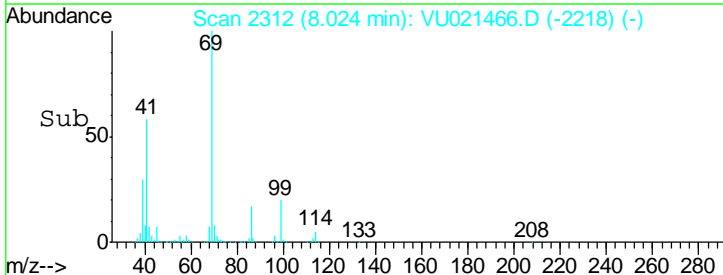
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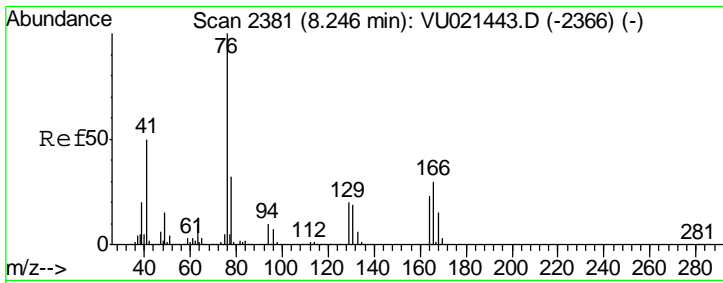


#56
 Ethyl methacrylate
 Concen: 19.35 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03



Tgt Ion	Resp	Lower	Upper
69	100		
41	57.8	46.4	69.6
39	30.0	24.7	37.1



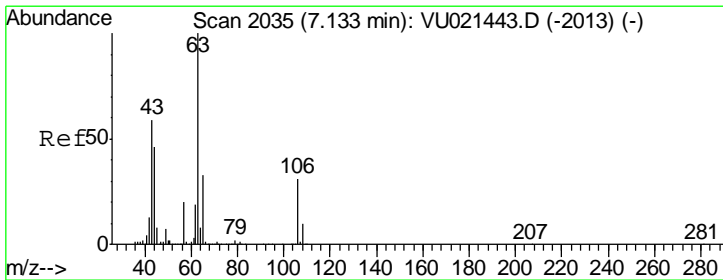
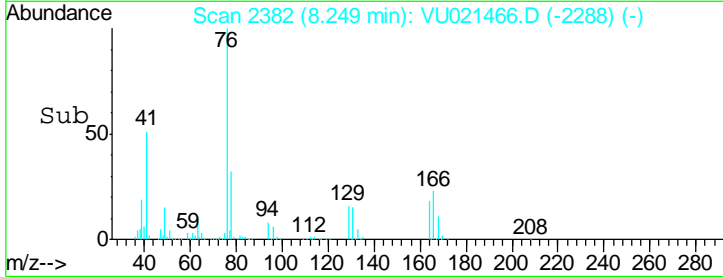
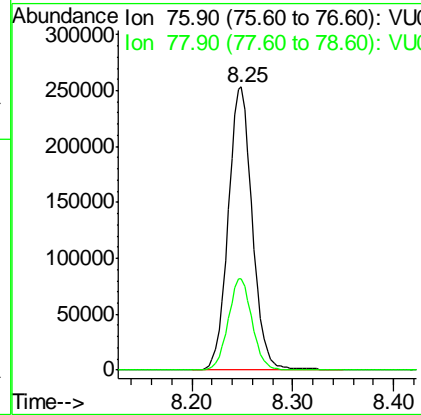
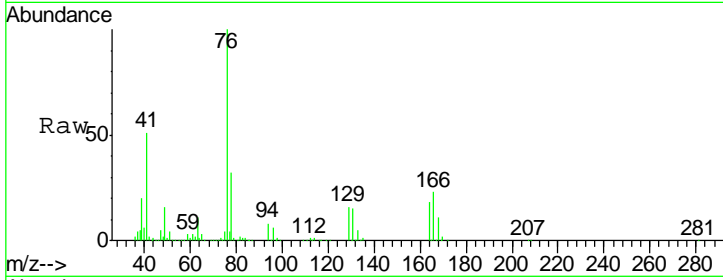


#57
 1,3-Dichloropropane
 Concen: 19.43 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
76	422822		
76	100		
78	32.0	25.6	38.4

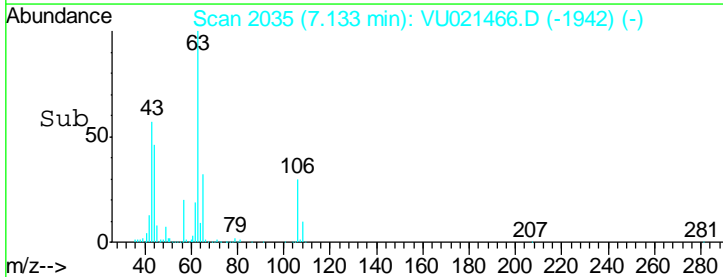
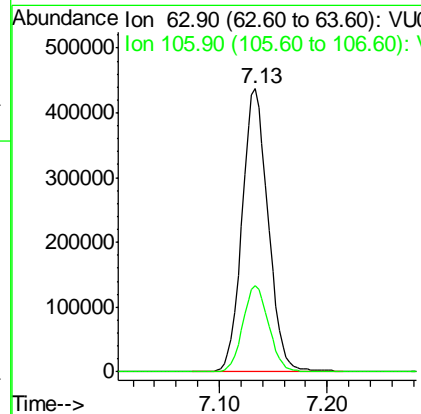
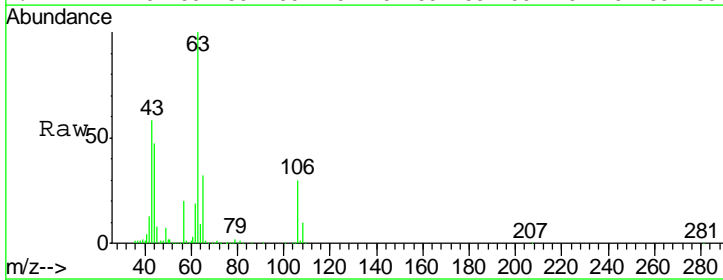
Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

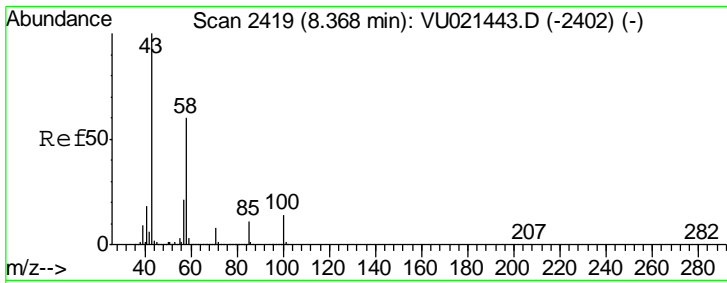
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#58
 2-Chloroethyl Vinyl ether
 Concen: 99.90 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
63	738299		
63	100		
106	30.4	24.6	36.8





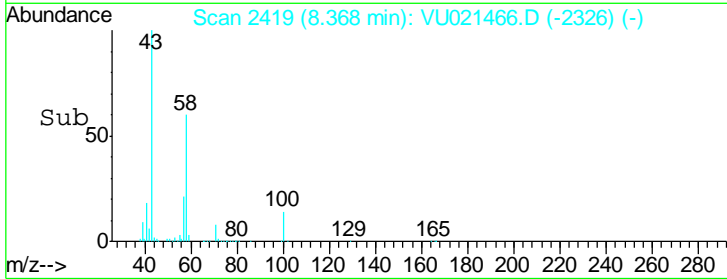
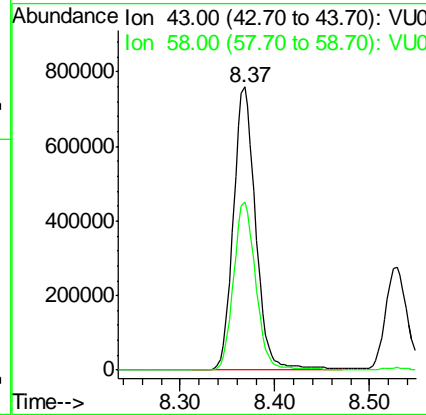
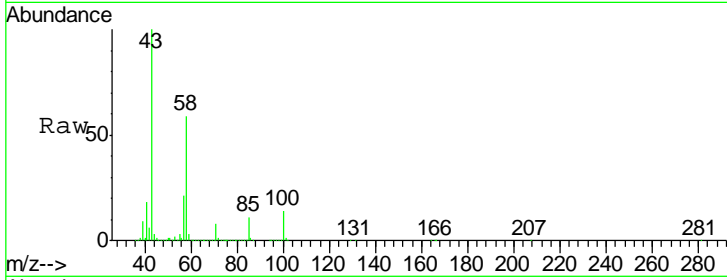
#59
 2-Hexanone
 Concen: 99.25 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

Tgt Ion	Resp	Lower	Upper
43	100		
58	59.6	29.8	89.4

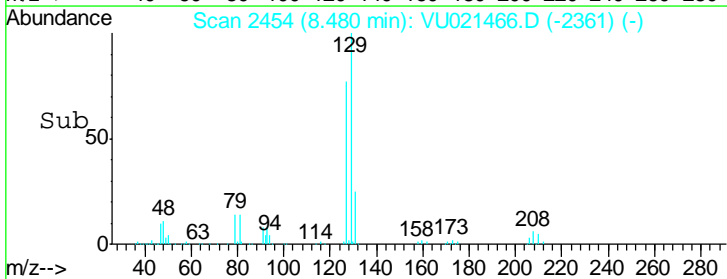
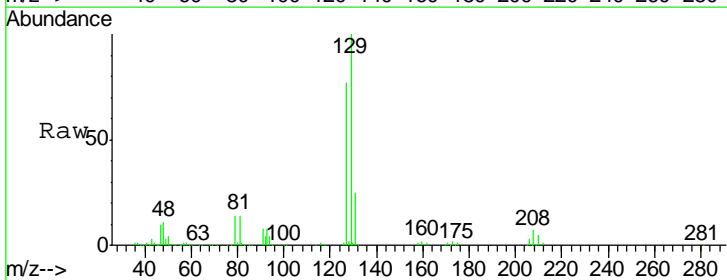
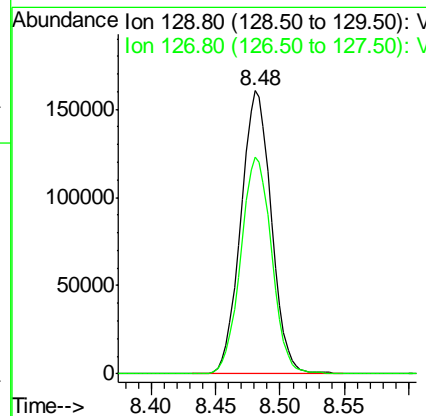
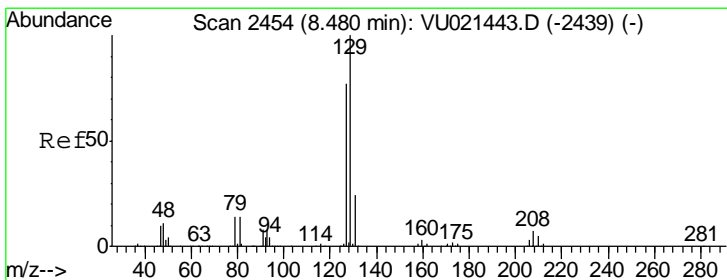
Manual Integrations
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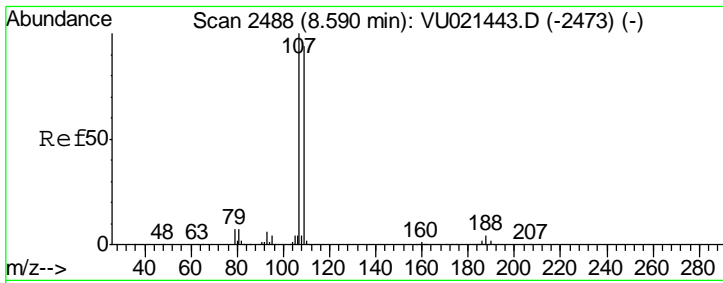
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#60
 Dibromochloromethane
 Concen: 19.08 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.4	38.2	114.6



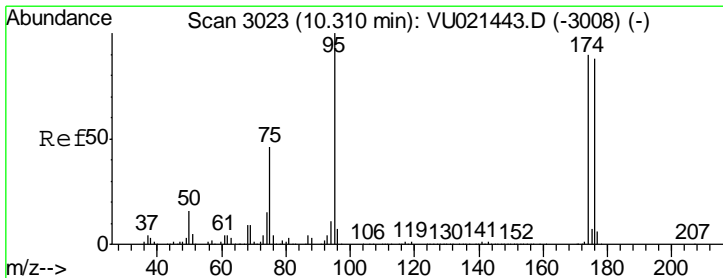
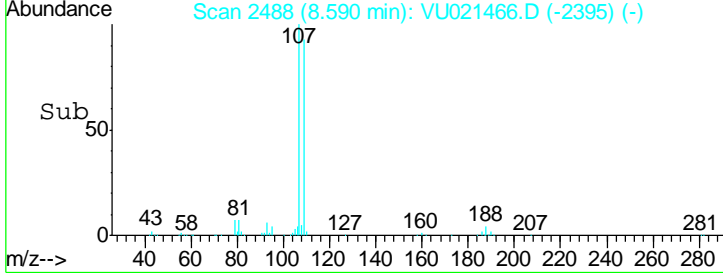
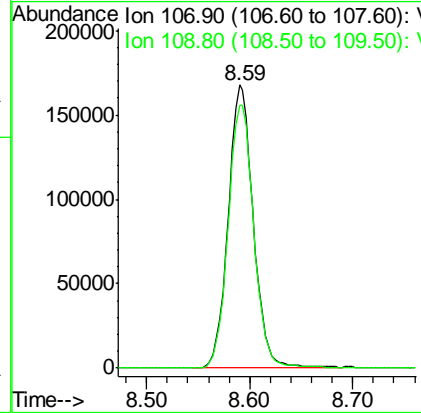
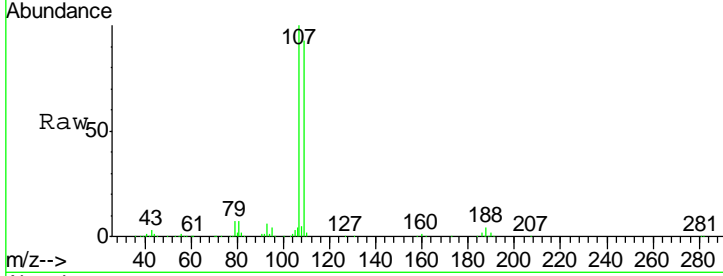


#61
 1,2-Dibromoethane
 Concen: 19.67 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
107	100		
109	95.3	74.7	112.1

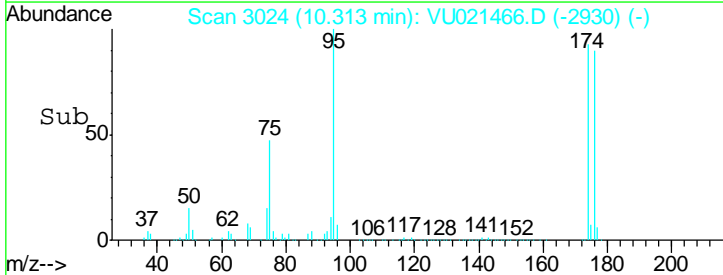
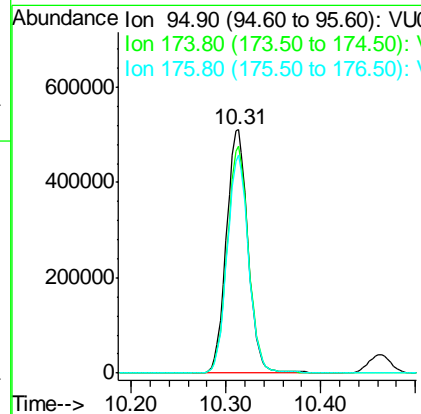
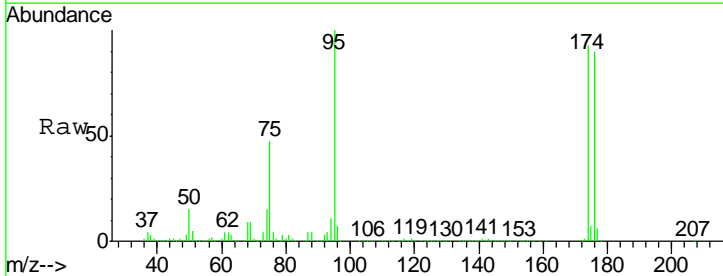
Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

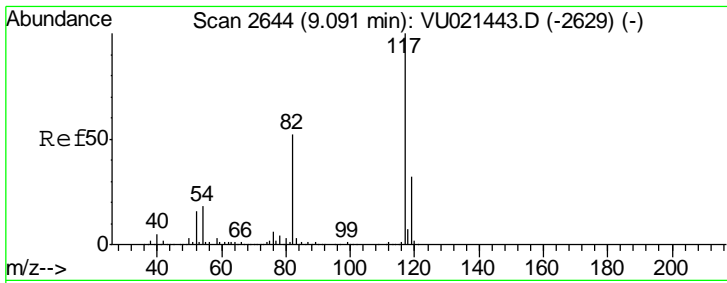
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#62
 4-Bromofluorobenzene
 Concen: 47.87 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

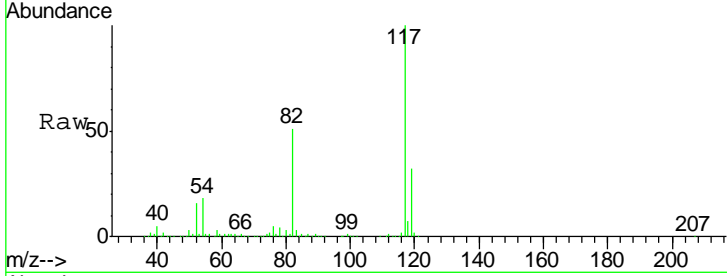
Tgt Ion	Resp	Lower	Upper
95	100		
174	92.3	0.0	182.6
176	88.8	0.0	178.8





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

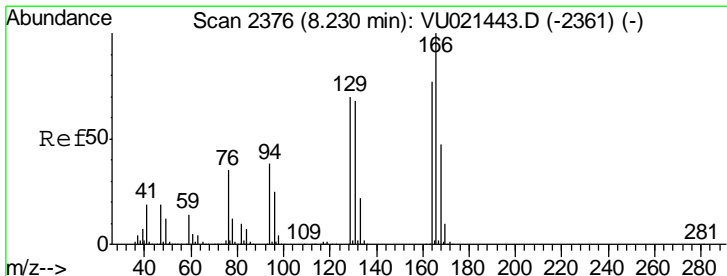
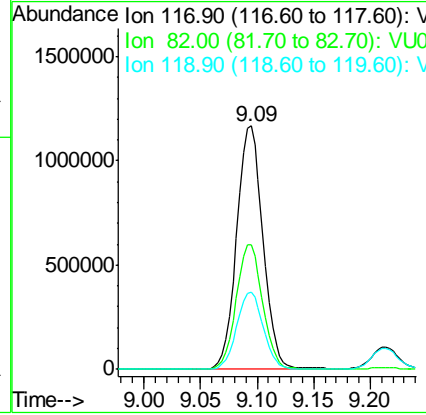
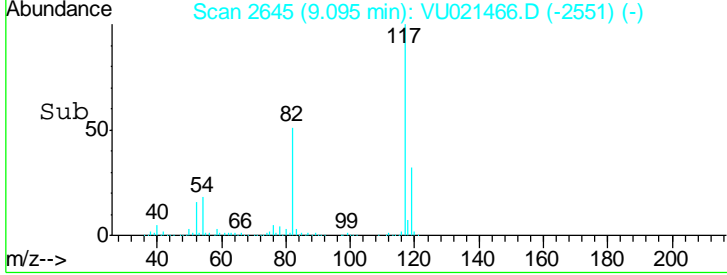
Instrument : MSVOA_U
 Client Sampled : VU0104WBS01



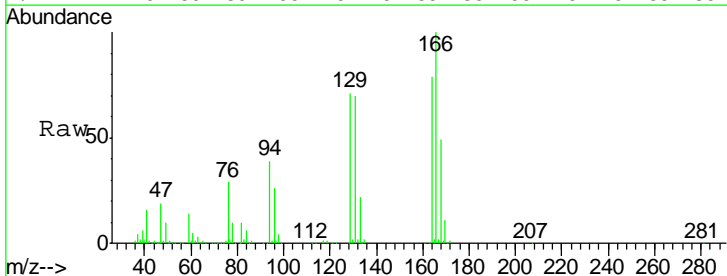
Tgt Ion: 117 Resp: 1892163

Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.4	62.0
119	32.0	25.7	38.5

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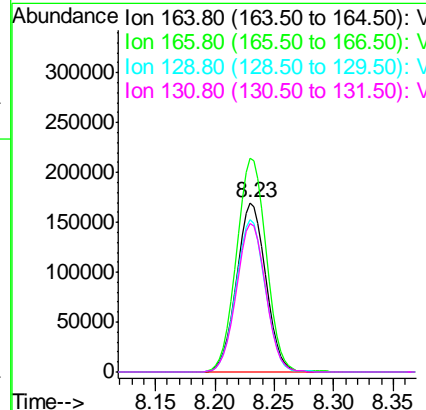
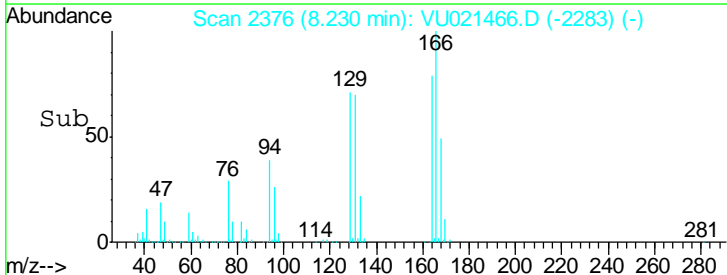


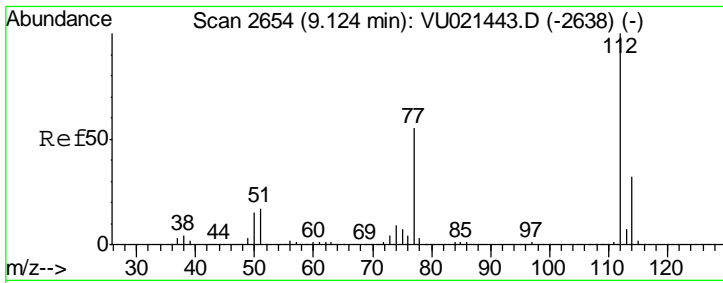
#64
 Tetrachloroethene
 Concen: 19.40 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03



Tgt Ion: 164 Resp: 288644

Ion	Ratio	Lower	Upper
164	100		
166	126.3	104.1	156.1
129	90.2	73.2	109.8
131	88.1	71.0	106.6





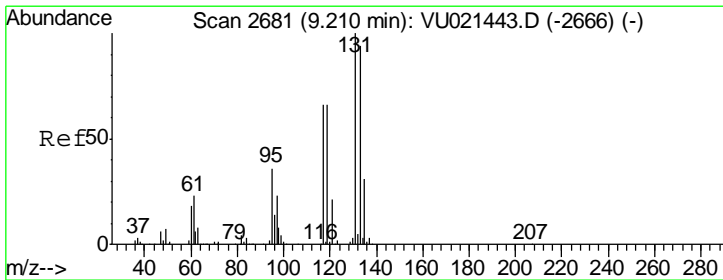
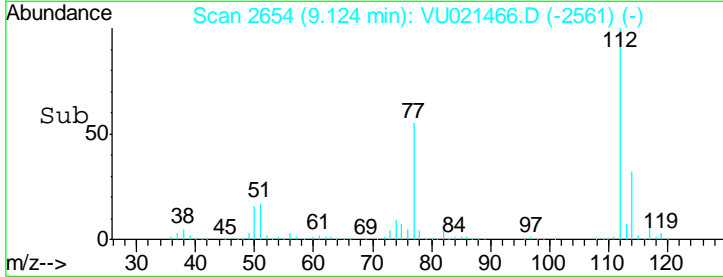
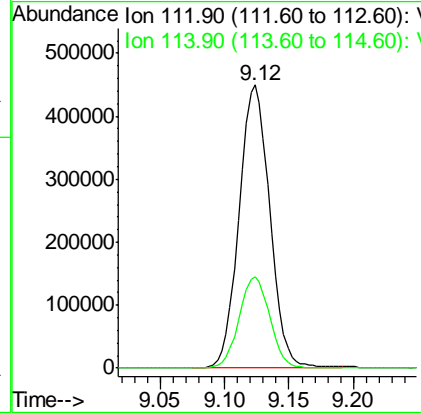
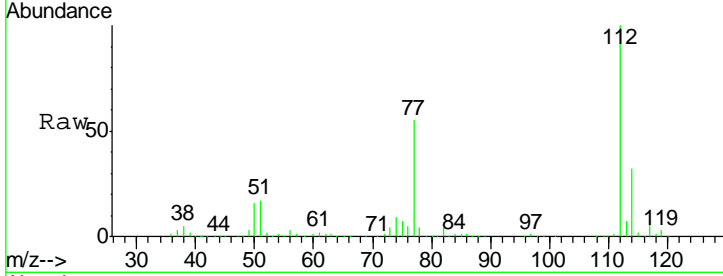
#65
 Chlorobenzene
 Concen: 19.16 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

Tgt Ion	Resp	Lower	Upper
112	746032		
114	32.3	25.9	38.9

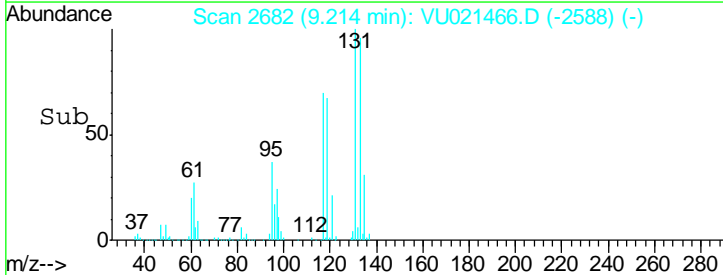
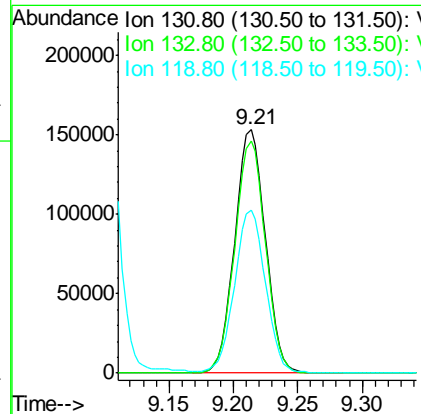
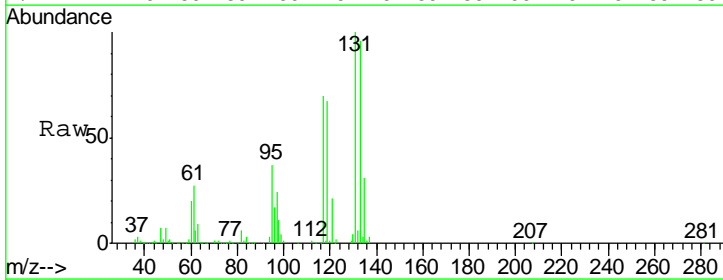
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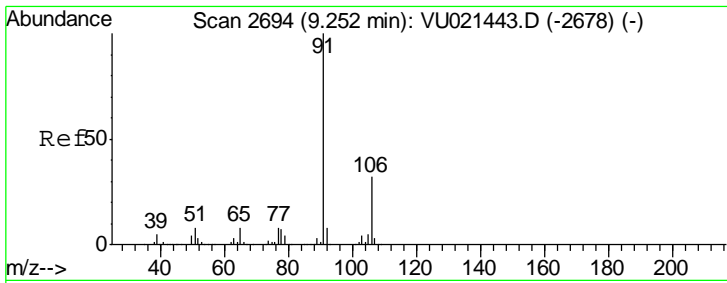
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 18.98 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
131	252649		
133	95.6	48.1	144.3
119	67.0	33.0	98.9





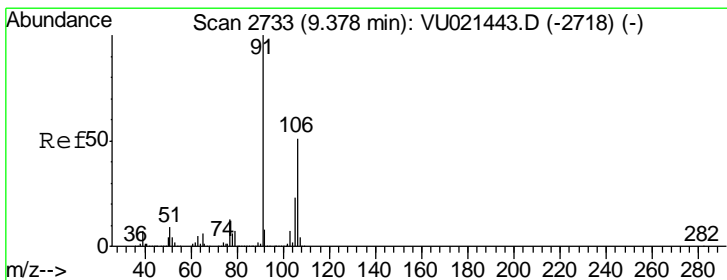
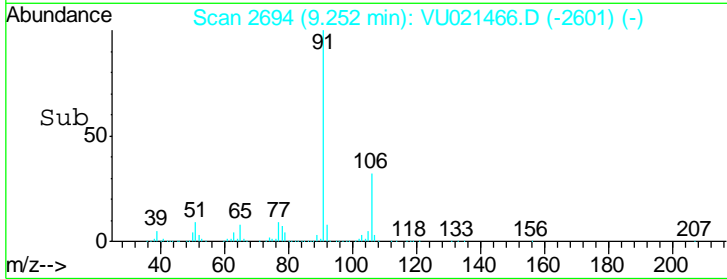
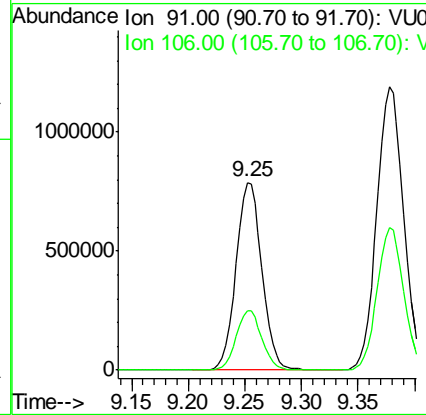
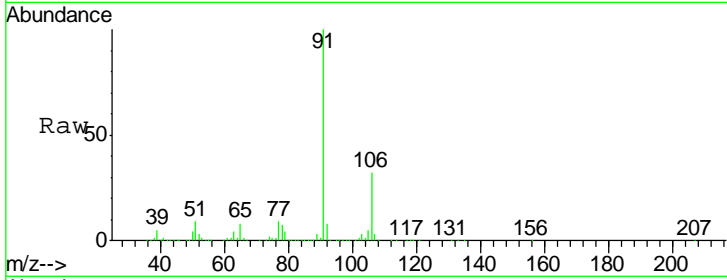
#67
 Ethyl Benzene
 Concen: 19.46 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

Tgt Ion: 91 Resp: 1256300

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.4	38.2

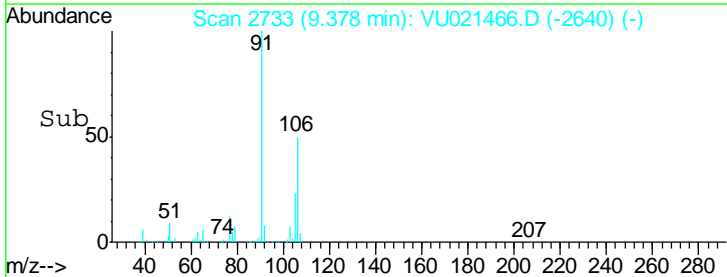
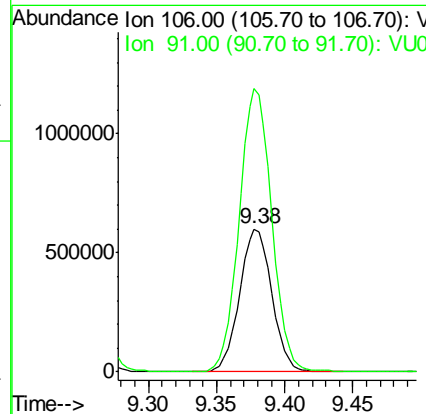
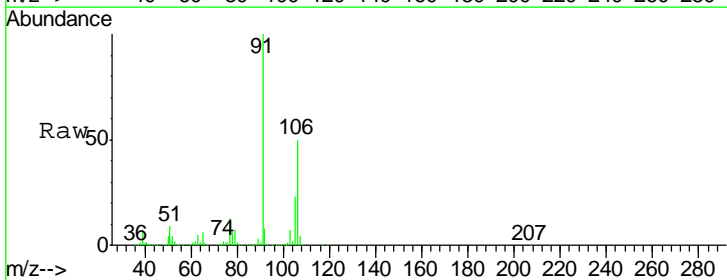
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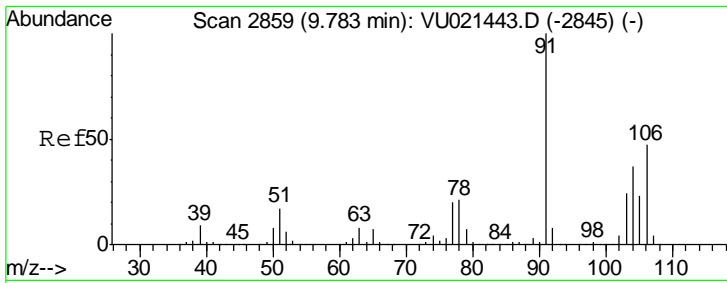


#68
 m/p-Xylenes
 Concen: 39.11 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion: 106 Resp: 981048

Ion	Ratio	Lower	Upper
106	100		
91	200.1	159.4	239.0



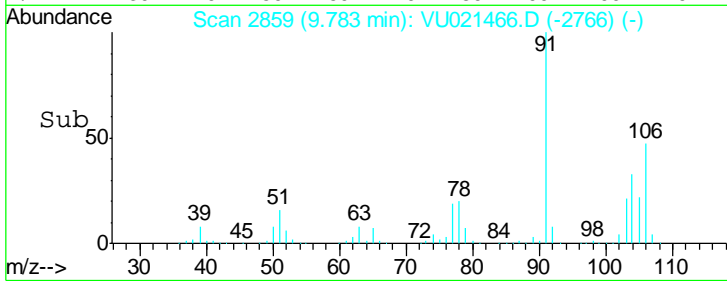
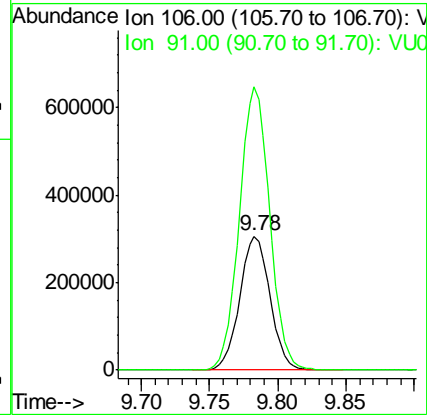
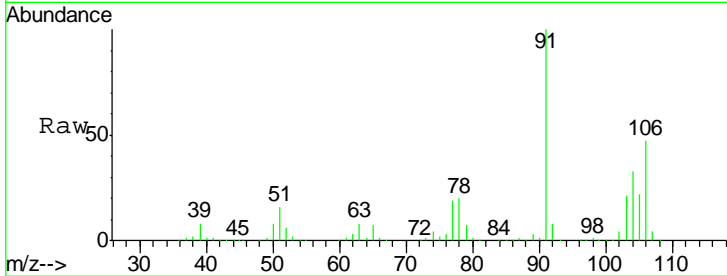


#69
 o-Xylene
 Concen: 19.62 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

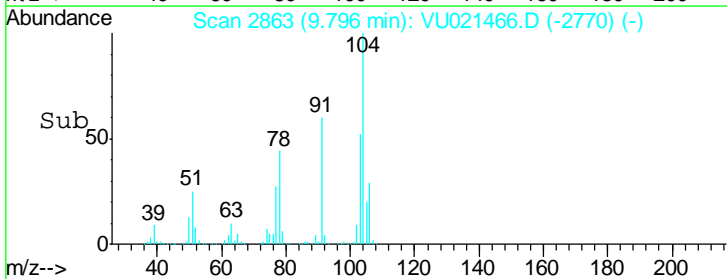
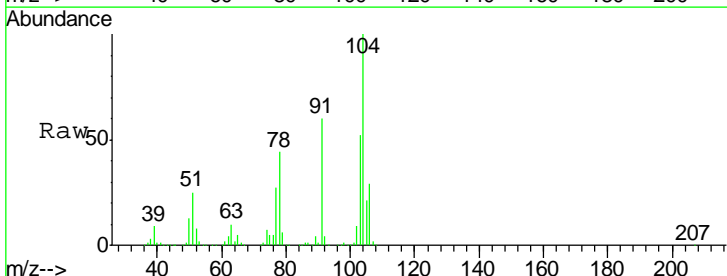
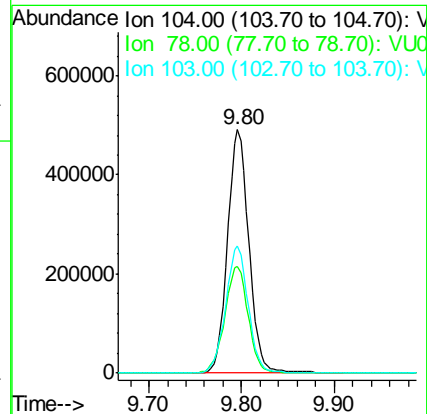
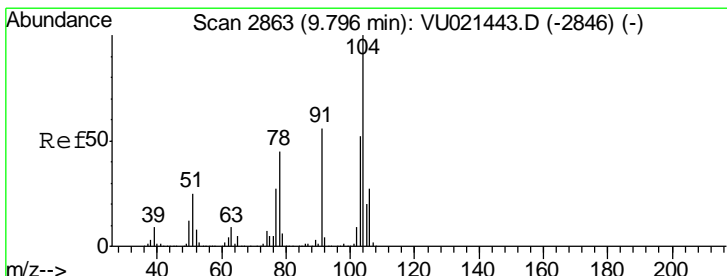
Tgt Ion	Resp	Lower	Upper
106	471913		
106	100		
91	211.8	106.2	318.6

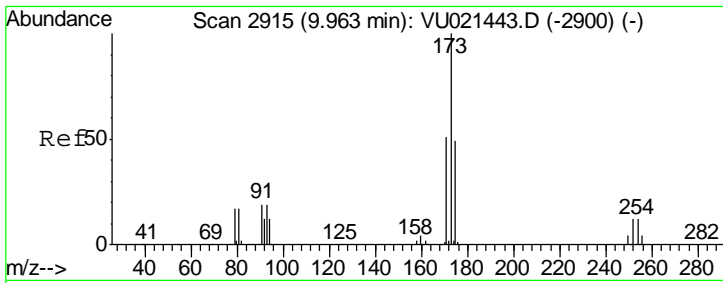
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#70
 Styrene
 Concen: 19.66 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

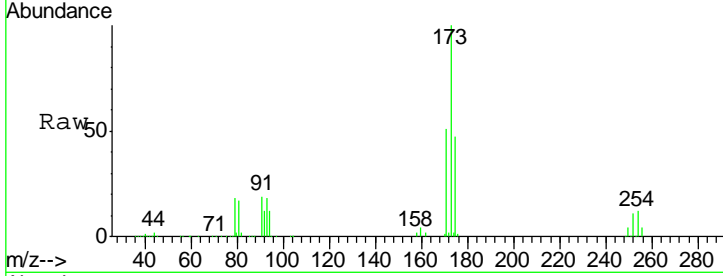
Tgt Ion	Resp	Lower	Upper
104	787601		
104	100		
78	47.9	38.2	57.2
103	55.1	44.6	66.8





#71
 Bromoform
 Concen: 18.47 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

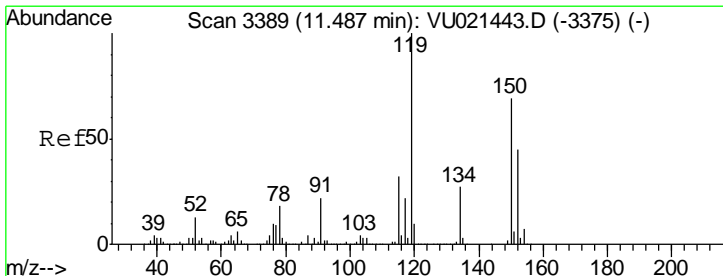
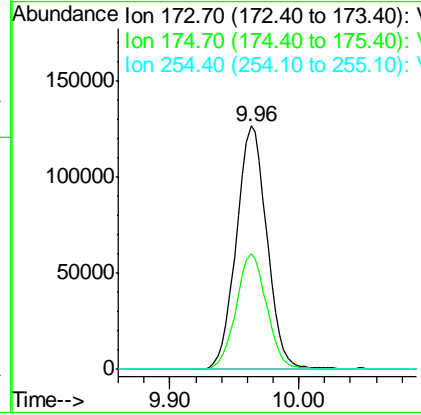
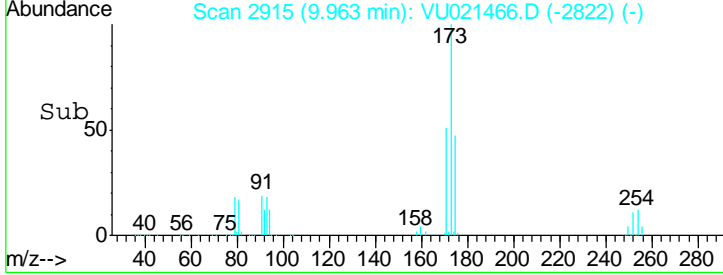
Instrument :
 MSVOA_U
 ClientSampled :
 VU0104WBS01



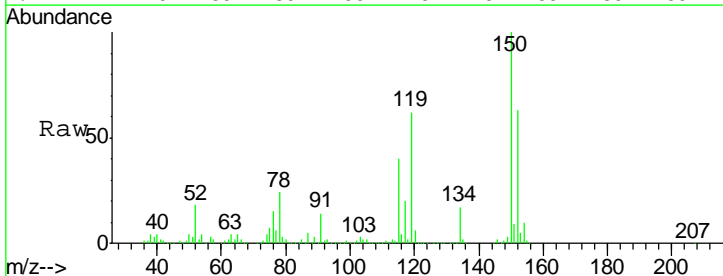
Tgt Ion: 173 Resp: 208631

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.3	72.8
254	0.1	0.1	0.1

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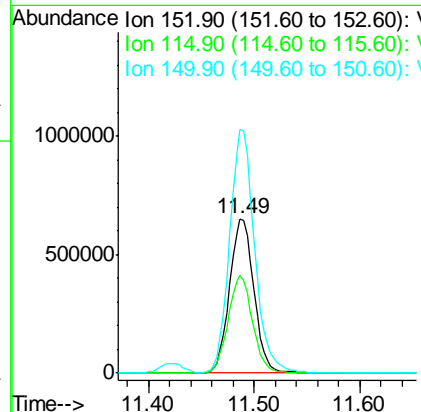
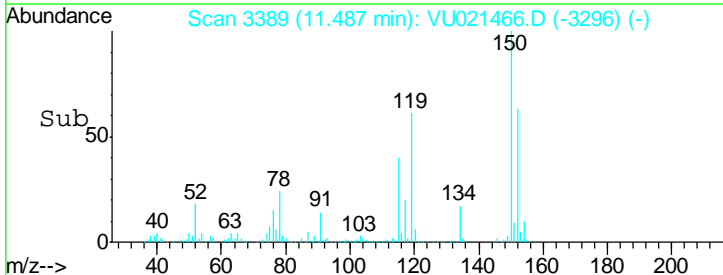


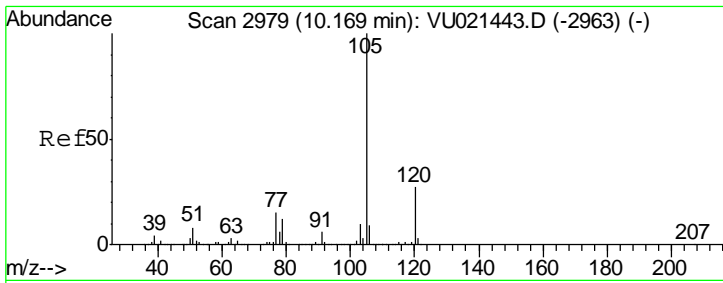
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03



Tgt Ion: 152 Resp: 1039027

Ion	Ratio	Lower	Upper
152	100		
115	63.3	38.0	114.1
150	162.2	0.0	343.2





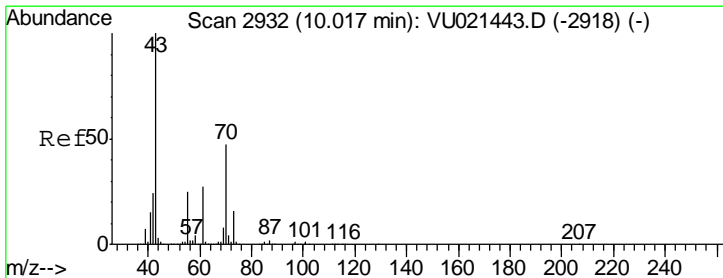
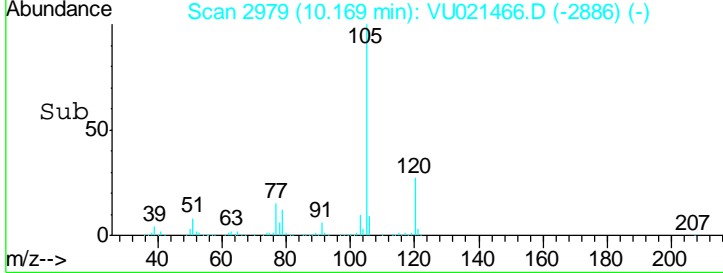
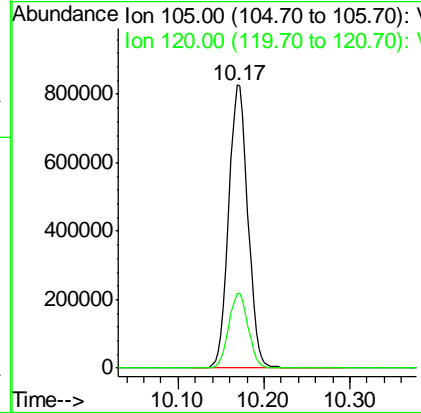
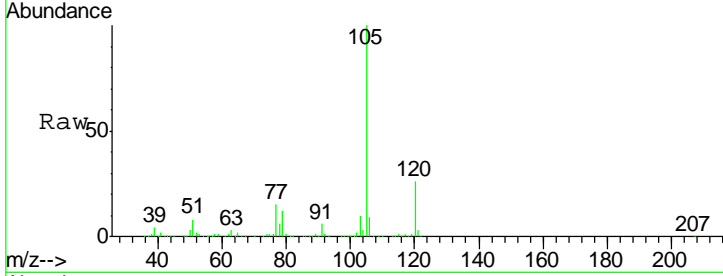
#73
 Isopropylbenzene
 Concen: 19.61 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

Tgt Ion: 105 Resp: 1285300

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.5

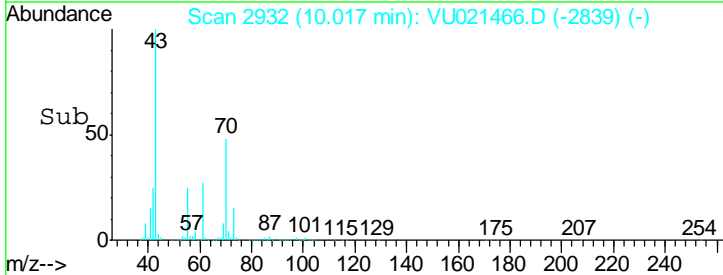
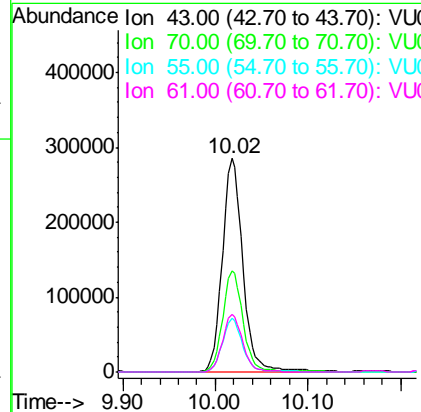
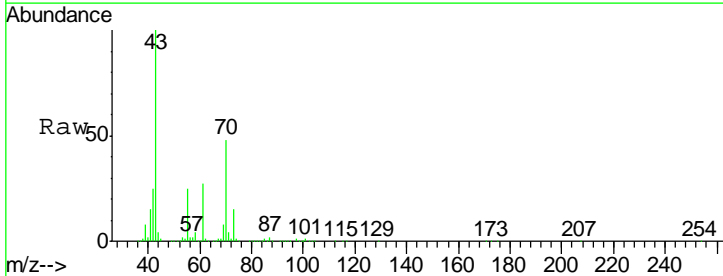
Manual Integrations APPROVED
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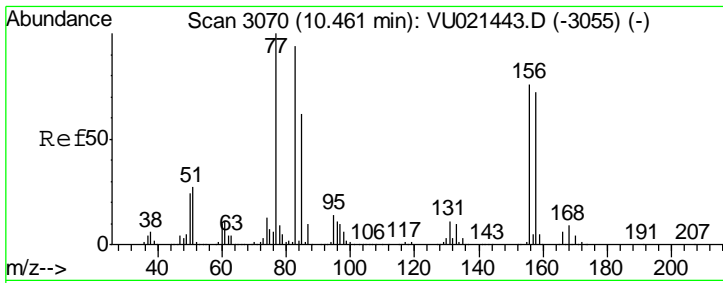


#74
 N-aryl acetate
 Concen: 19.63 ug/l
 RT: 10.02 min Scan# 2932
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion: 43 Resp: 436159

Ion	Ratio	Lower	Upper
43	100		
70	47.7	37.4	56.2
55	24.7	20.1	30.1
61	26.9	21.3	31.9



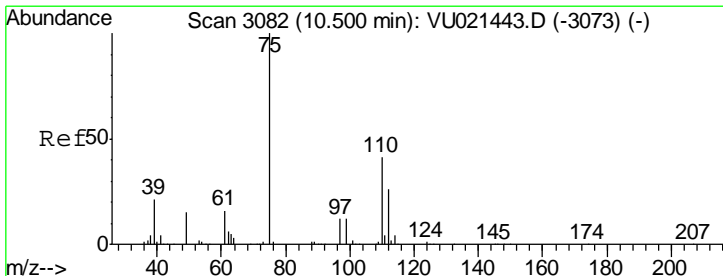
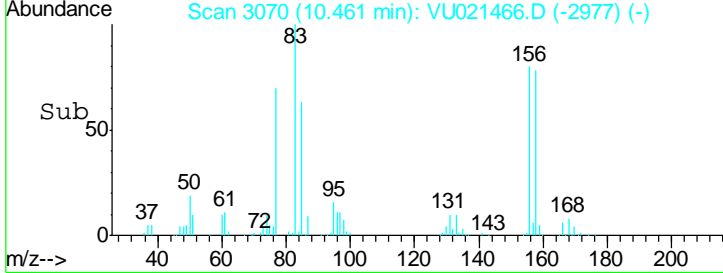
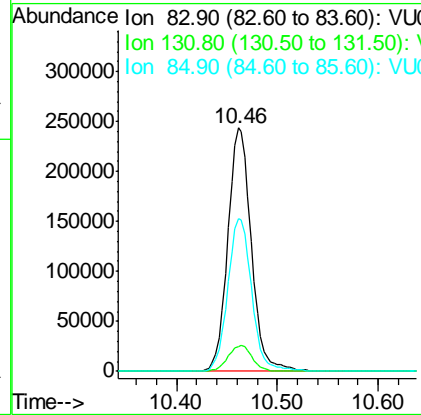
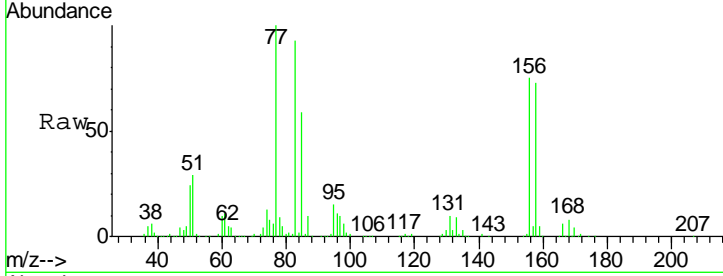


#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.56 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

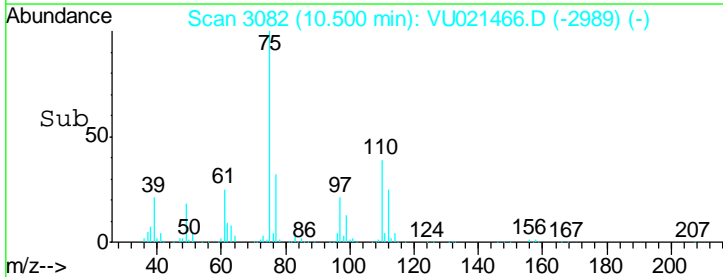
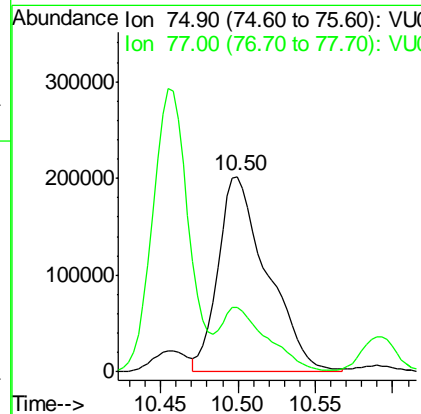
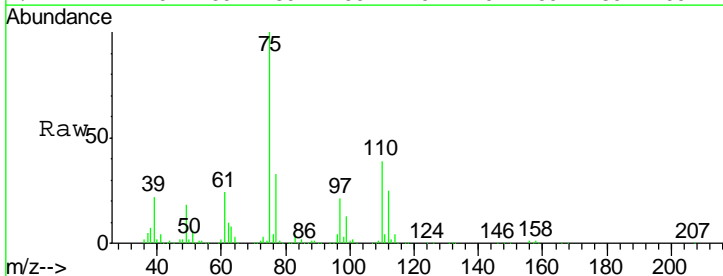
Tgt Ion	Resp	Lower	Upper
83	100		
131	10.9	5.5	16.5
85	64.2	32.3	96.9

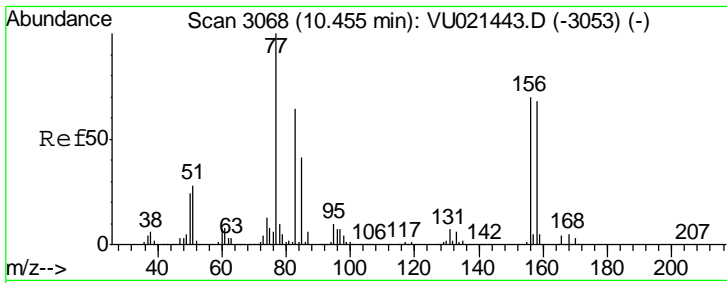
Manual Integrations
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#76
 1,2,3-Trichloropropane
 Concen: 26.36 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.4	22.9	68.8



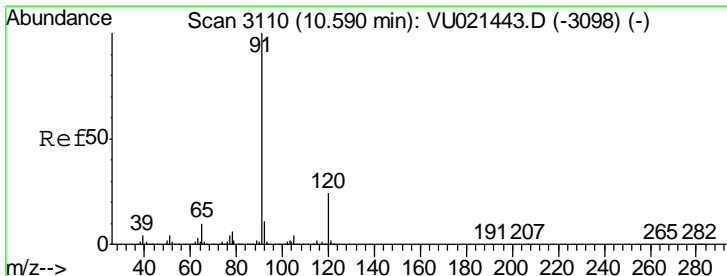
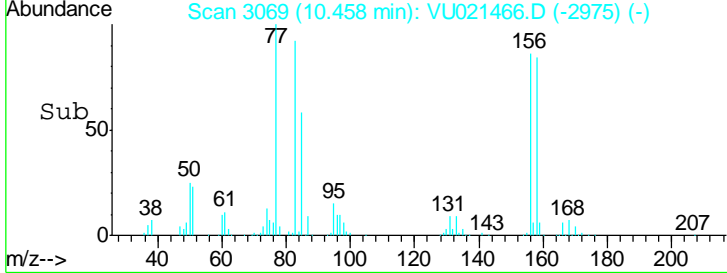
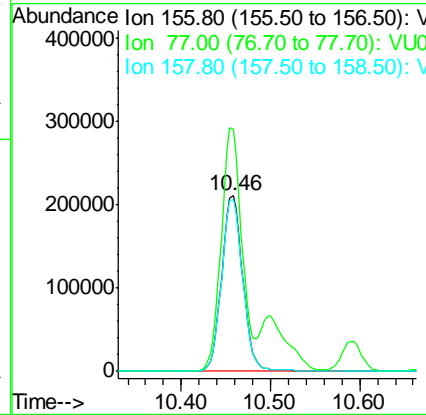
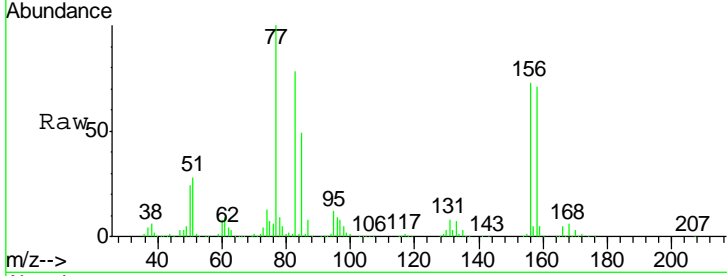


#77
 Bromobenzene
 Concen: 19.30 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

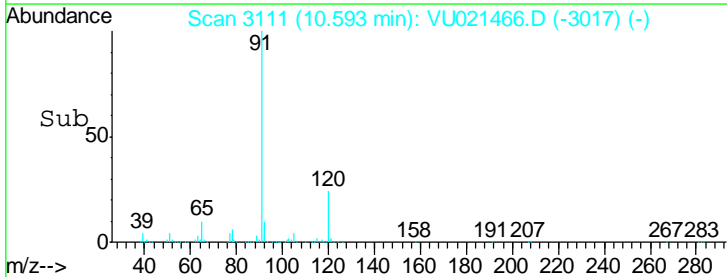
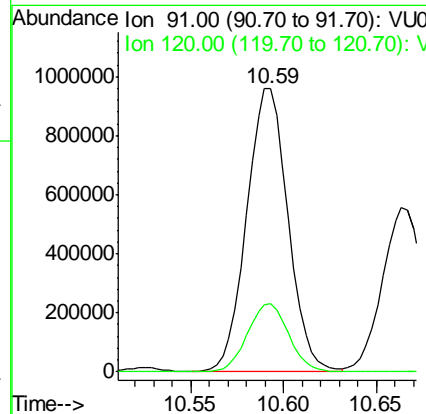
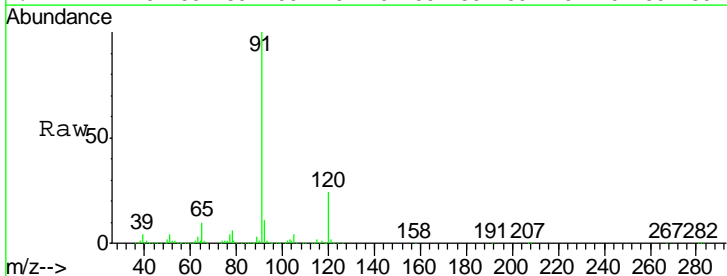
Tgt Ion	Resp	Lower	Upper
156	347380		
77	136.1	69.3	207.8
158	97.8	48.5	145.5

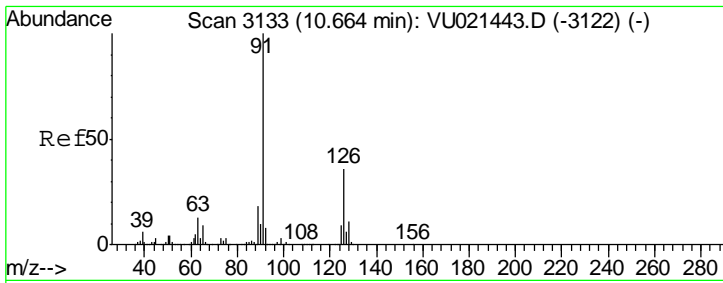
Manual Integrations APPROVED
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#78
 n-propylbenzene
 Concen: 19.79 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
91	1485553		
120	24.2	12.0	36.1



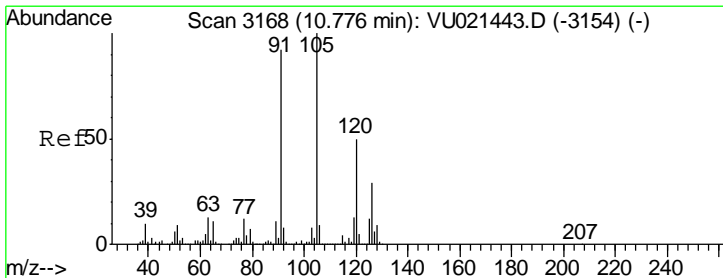
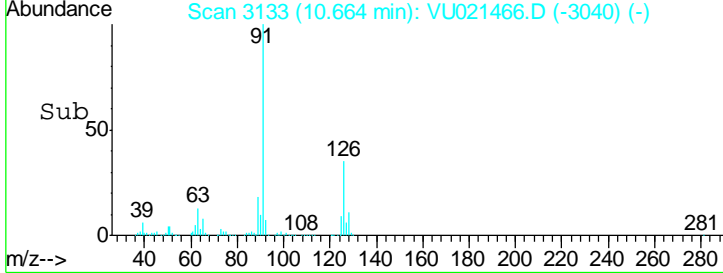
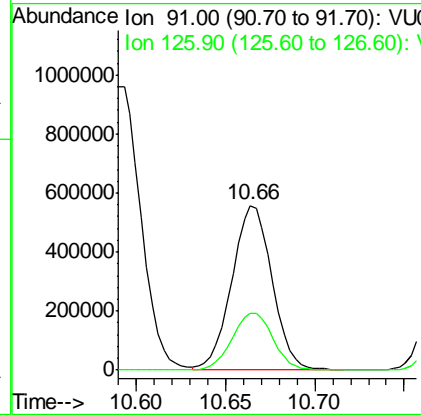
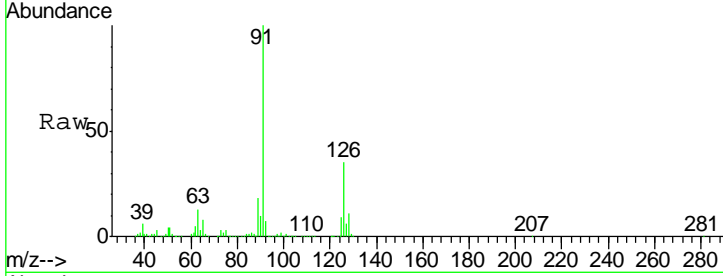


#79
 2-Chlorotoluene
 Concen: 19.66 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

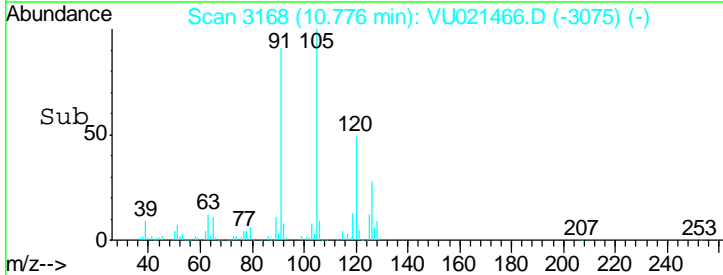
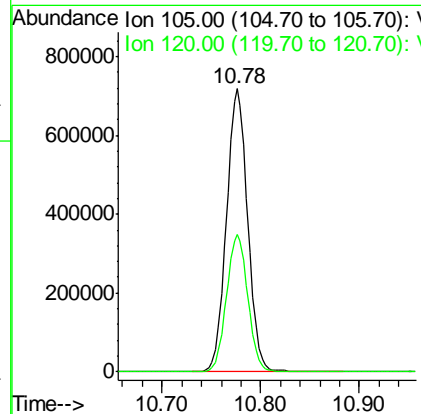
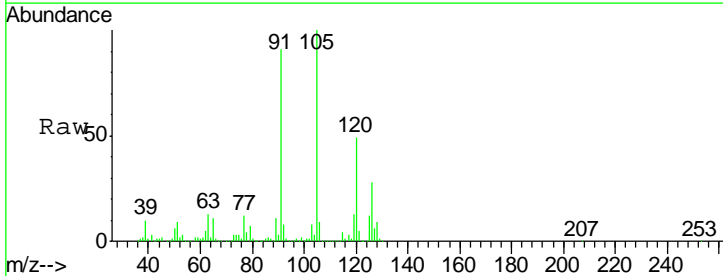
Tgt Ion	Resp	Lower	Upper
91	100		
126	35.6	18.0	54.0

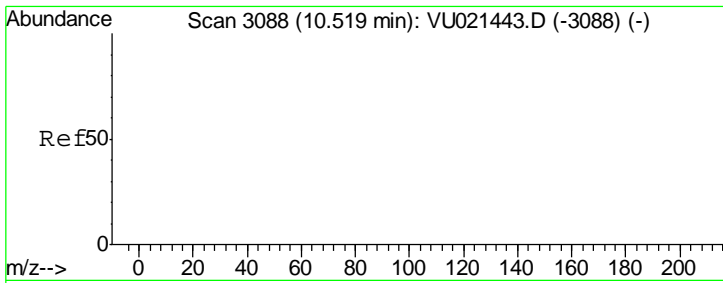
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.67 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.1	24.9	74.6



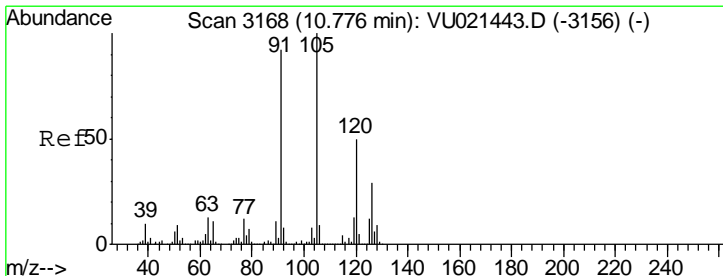
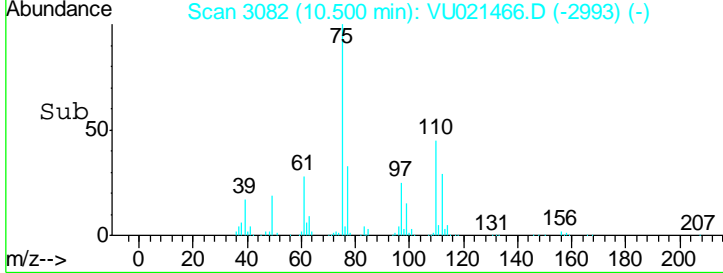
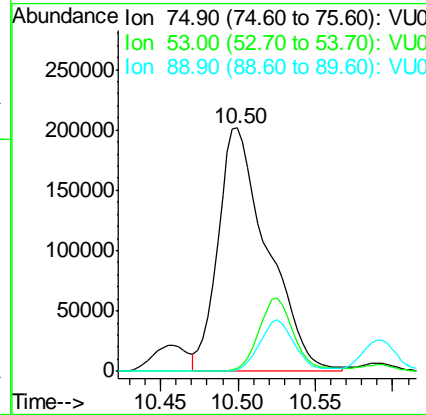
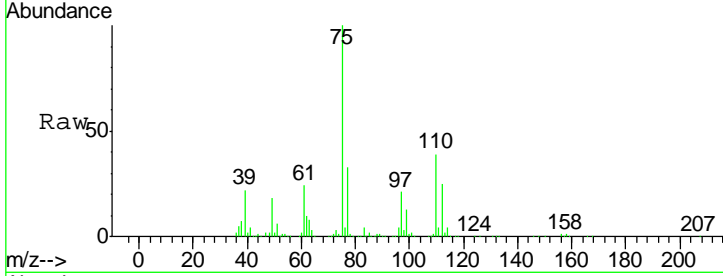


#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.78 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. -0.02 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

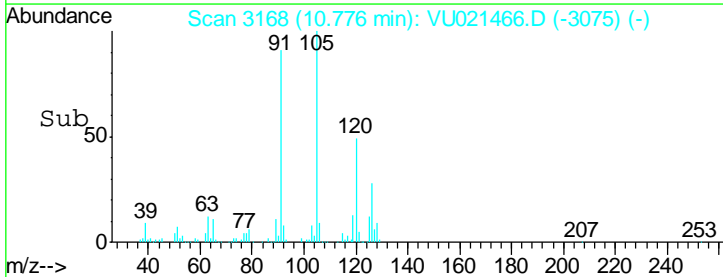
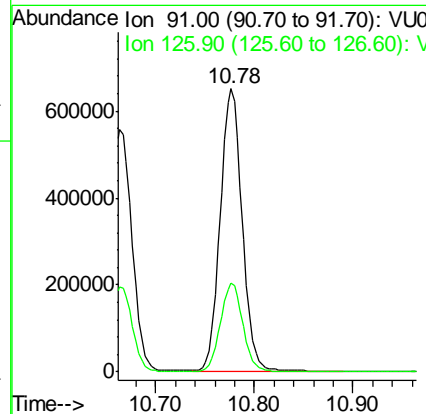
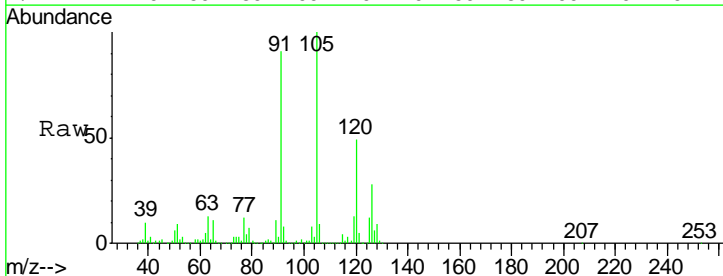
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

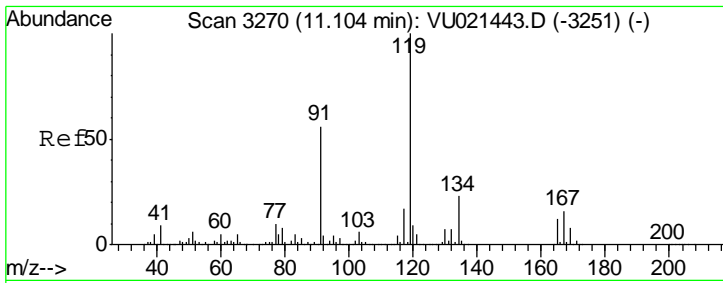
Manual Integrations APPROVED
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#82
 4-Chlorotoluene
 Concen: 19.67 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.9	47.7





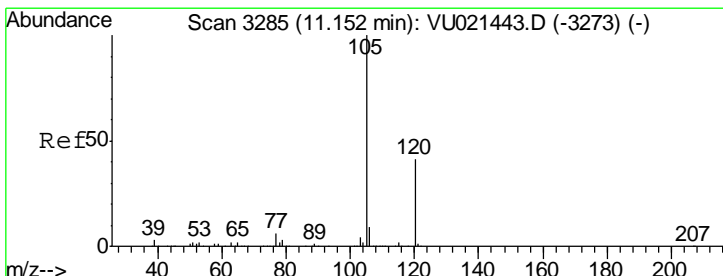
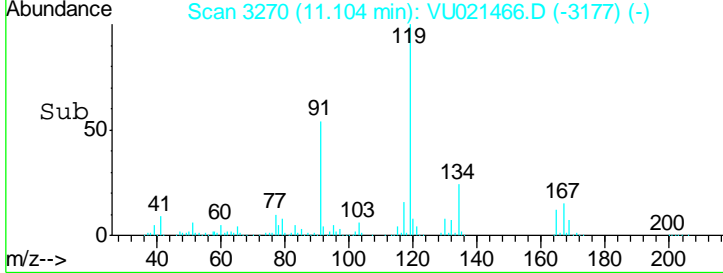
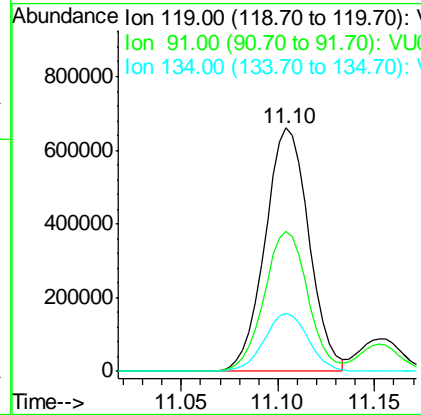
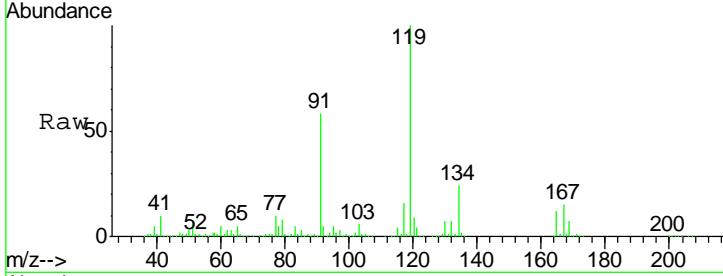
#83
 tert-Butylbenzene
 Concen: 19.19 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

Tgt Ion: 119 Resp: 1045355

Ion	Ratio	Lower	Upper
119	100		
91	57.2	28.0	84.0
134	24.0	11.7	35.1

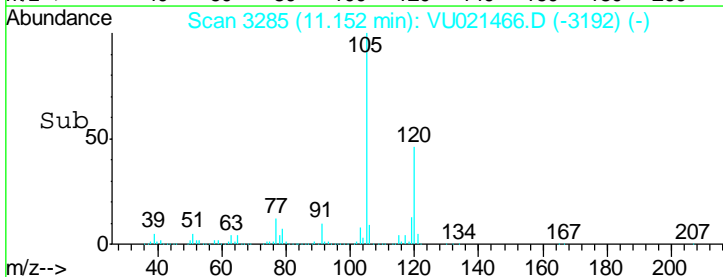
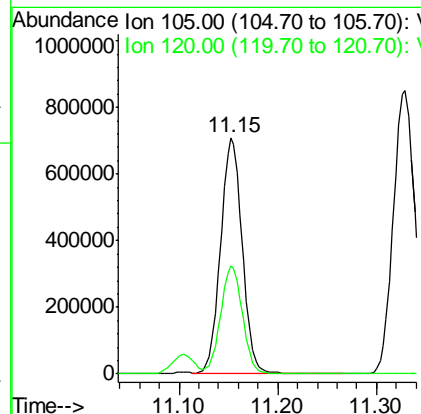
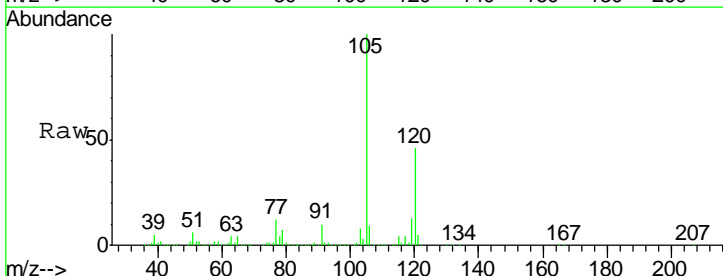
Manual Integrations
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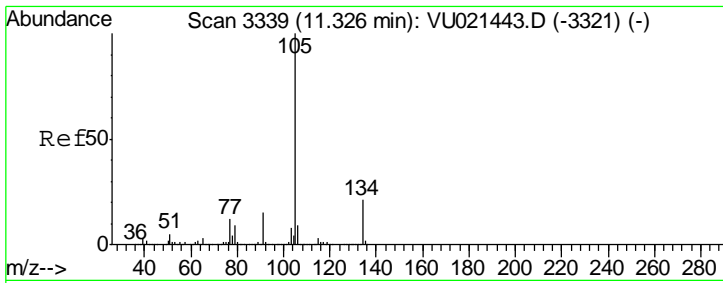


#84
 1,2,4-Trimethylbenzene
 Concen: 19.53 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion: 105 Resp: 1095603

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.3





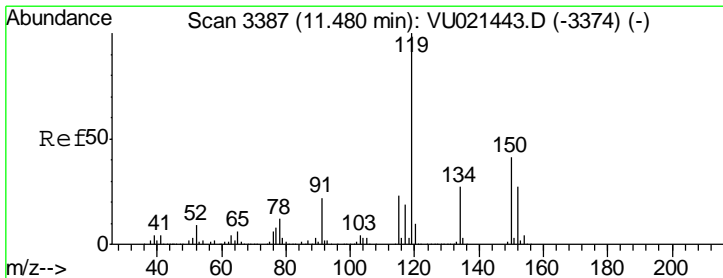
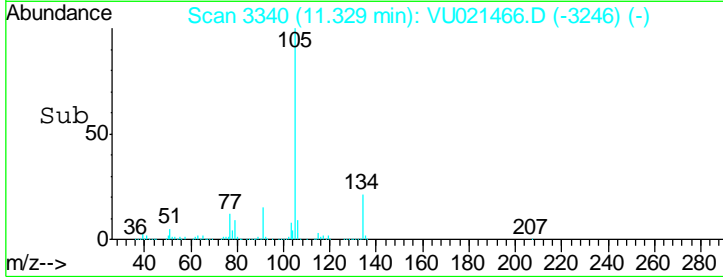
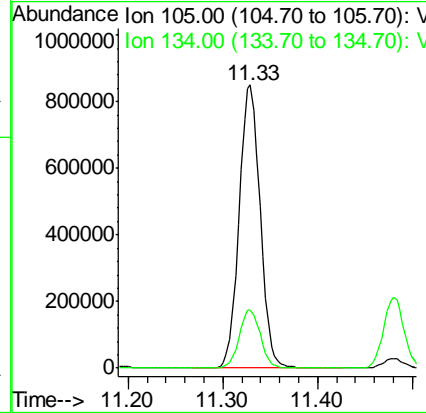
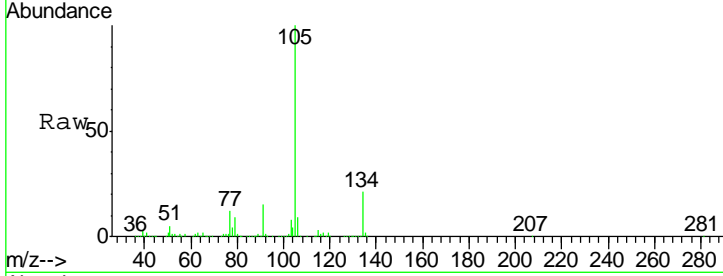
#85
 sec-Butylbenzene
 Concen: 19.69 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

Tgt Ion	Resp	Lower	Upper
105	1310165		
134	20.8	10.4	31.4

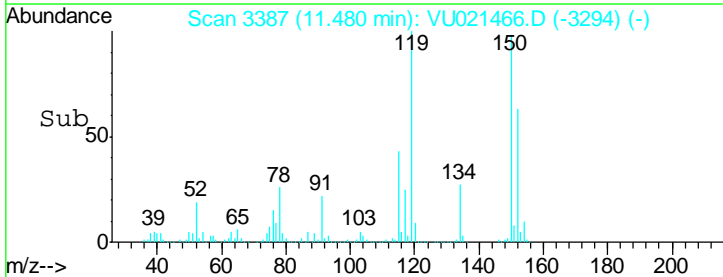
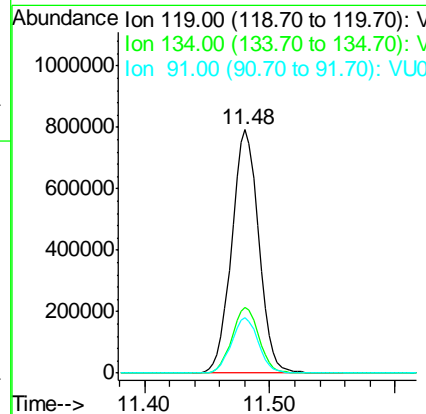
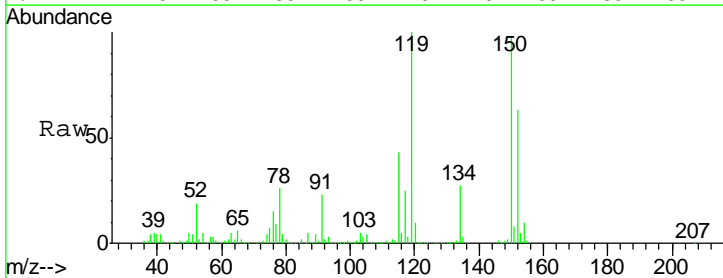
Manual Integrations
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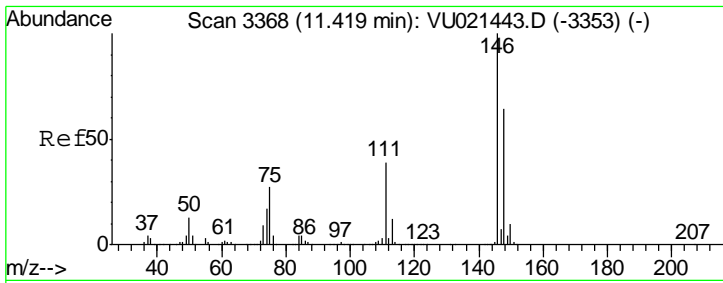
MMDadoda
 1/5/2018 1:06:15 PM



#86
 p-Isopropyltoluene
 Concen: 19.61 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

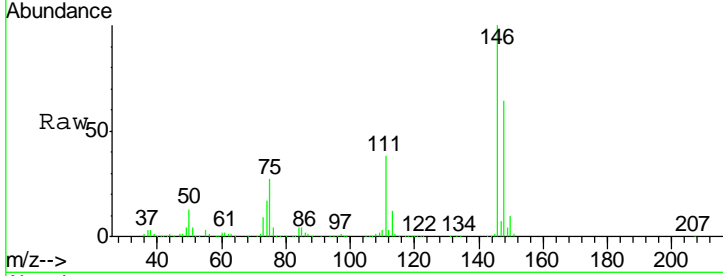
Tgt Ion	Resp	Lower	Upper
119	1182774		
134	27.2	13.6	40.7
91	22.6	11.2	33.6





#87
 1,3-Dichlorobenzene
 Concen: 19.57 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

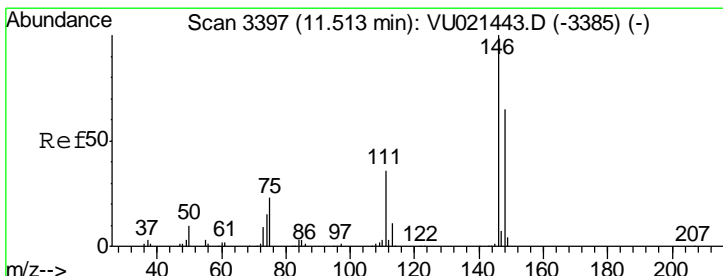
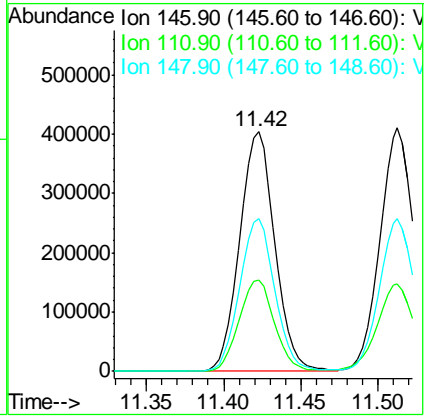
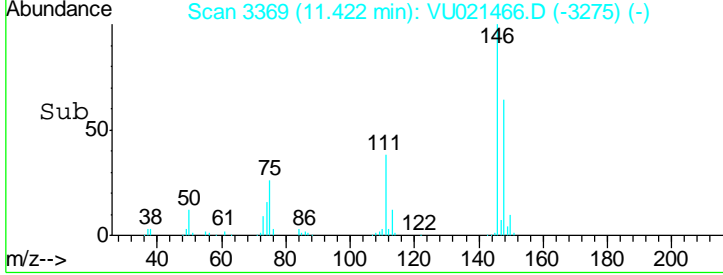
Instrument : MSVOA_U
 Client Sampled : VU0104WBS01



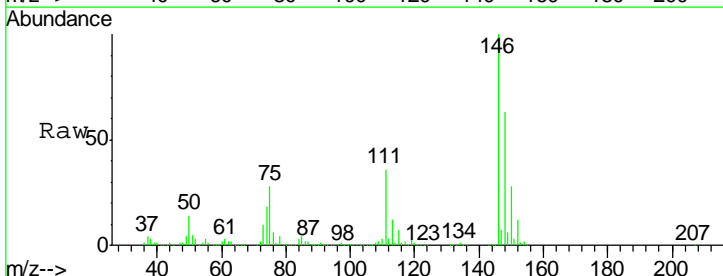
Tgt Ion:146 Resp: 640734

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	63.6	32.0	96.0

Manual Integrations APPROVED
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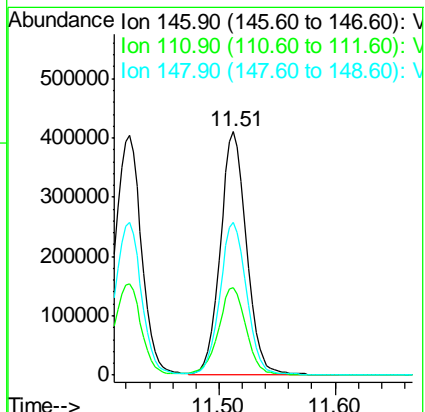
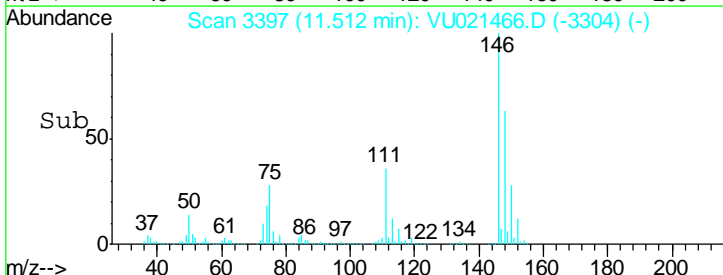


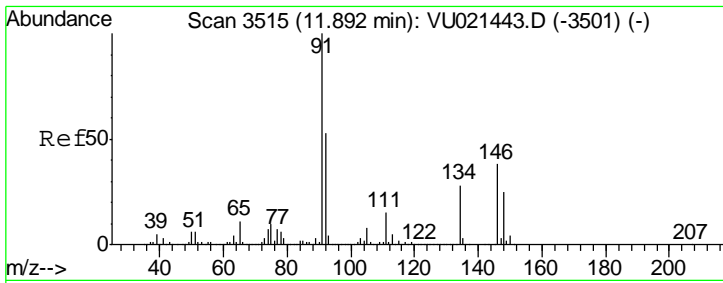
#88
 1,4-Dichlorobenzene
 Concen: 19.30 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03



Tgt Ion:146 Resp: 647354

Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.8	56.3
148	64.1	32.4	97.2





#89
 n-Butylbenzene
 Concen: 19.66 ug/l
 RT: 11.90 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

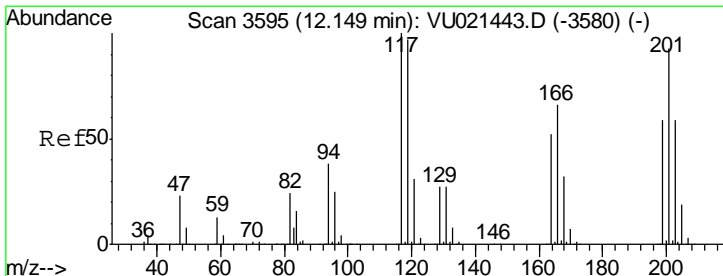
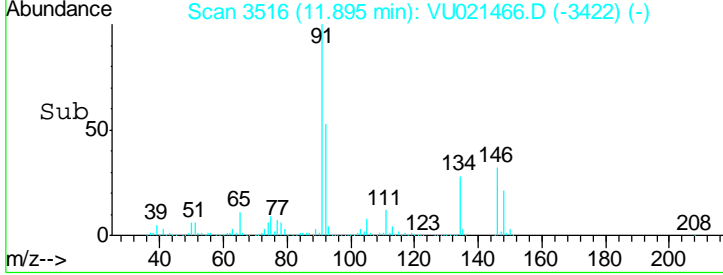
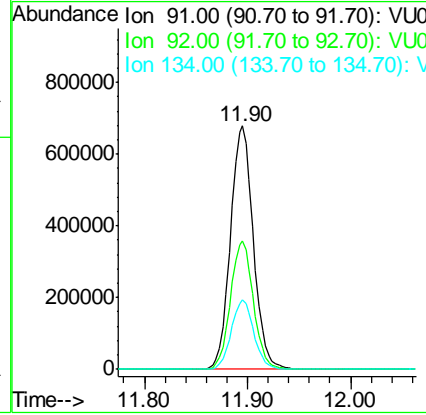
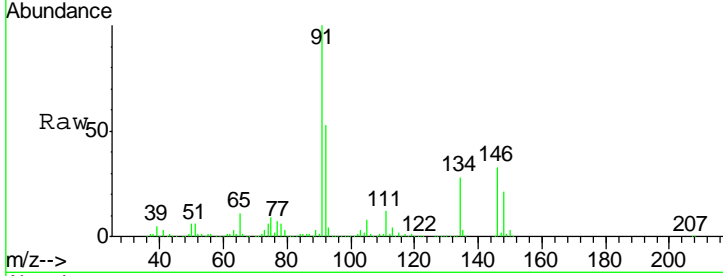
Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

Tgt Ion: 91 Resp: 1046240

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	28.3	14.0	42.0

Manual Integrations APPROVED

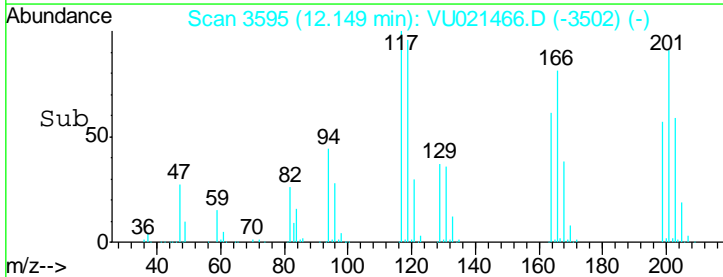
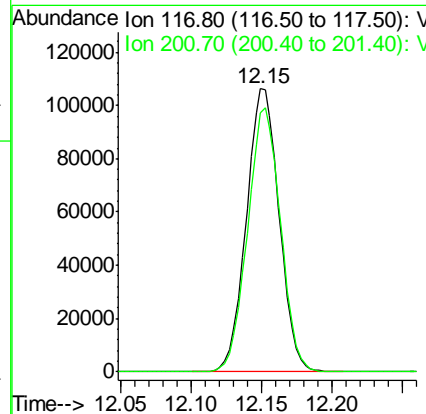
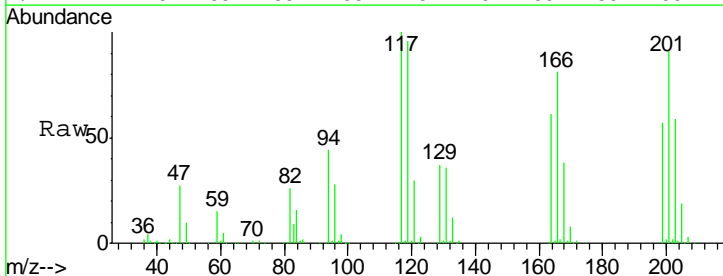
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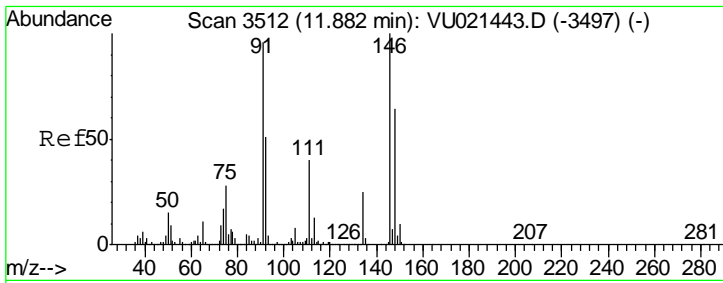


#90
 Hexachloroethane
 Concen: 18.41 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion: 117 Resp: 173334

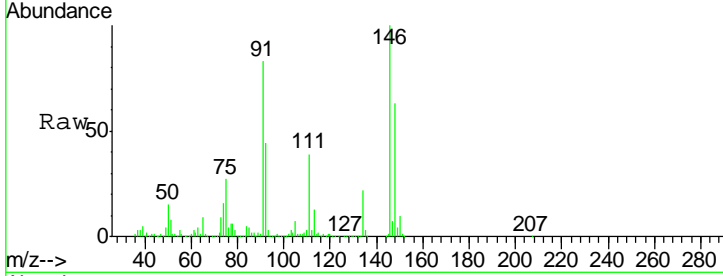
Ion	Ratio	Lower	Upper
117	100		
201	93.5	47.4	142.3





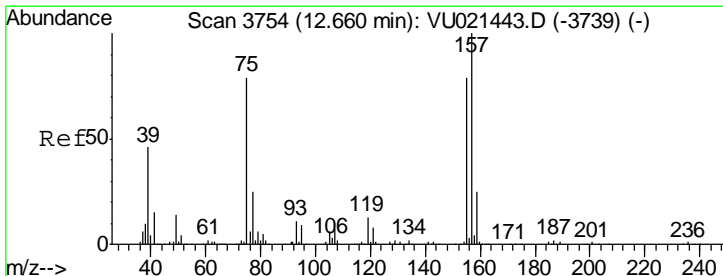
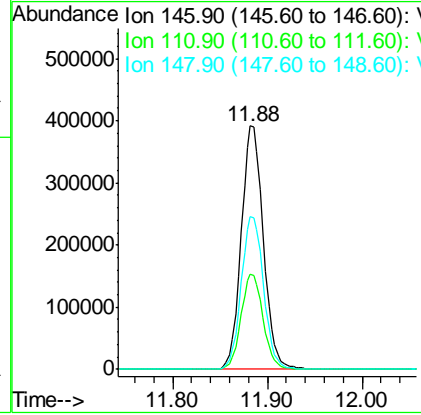
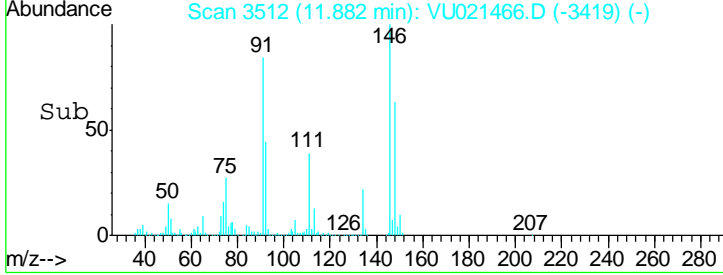
#91
 1,2-Dichlorobenzene
 Concen: 19.43 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

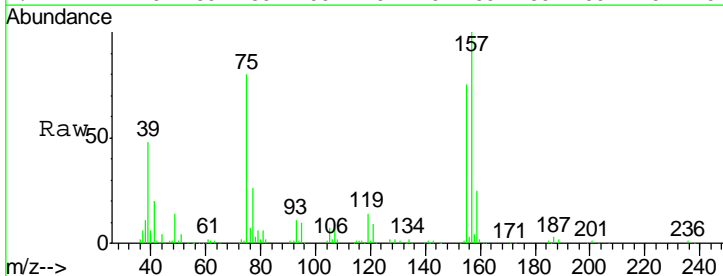


Tgt Ion	Resp	Lower	Upper
146	632712		
146	100		
111	39.2	19.9	59.7
148	63.5	32.1	96.3

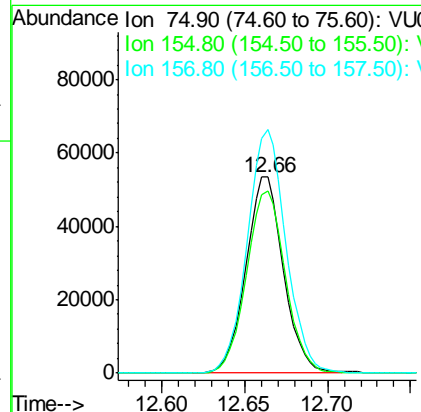
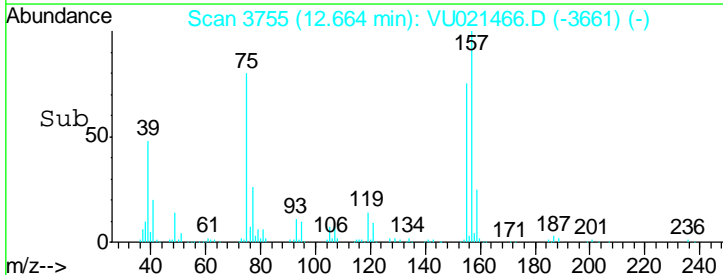
Manual Integrations
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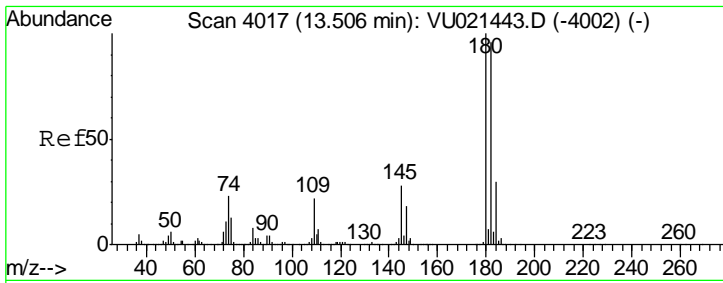


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.18 ug/l
 RT: 12.66 min Scan# 3755
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03



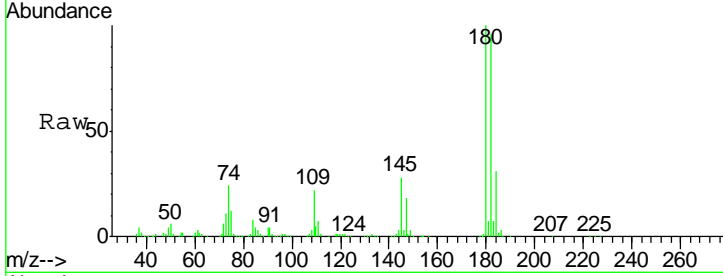
Tgt Ion	Resp	Lower	Upper
75	84011		
75	100		
155	96.3	51.0	153.1
157	128.1	64.5	193.6





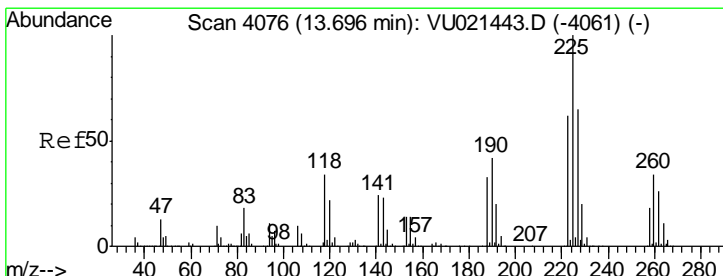
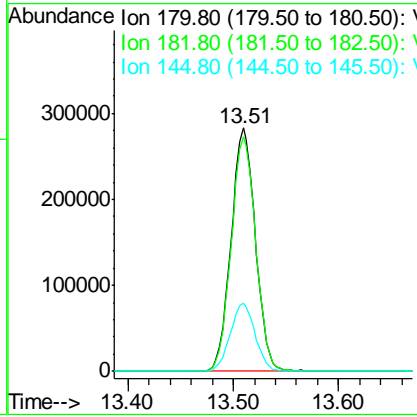
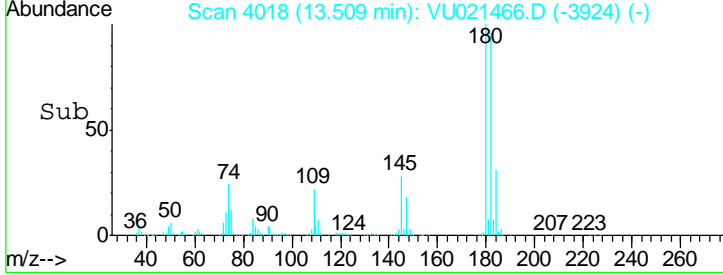
#93
 1,2,4-Trichlorobenzene
 Concen: 19.38 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 ClientSampled : VU0104WBS01

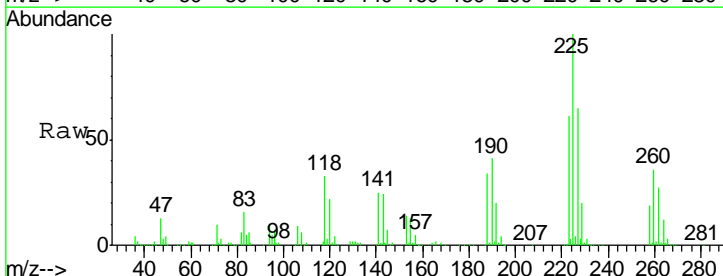


Tgt Ion	Resp	Lower	Upper
180	100		
182	97.2	48.2	144.6
145	28.5	14.0	42.0

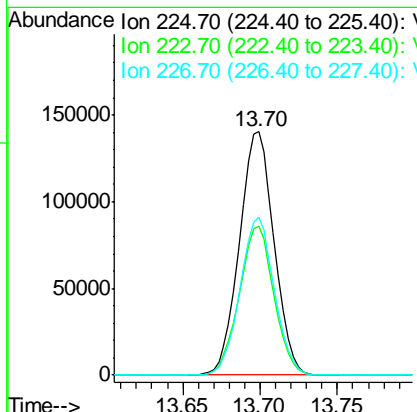
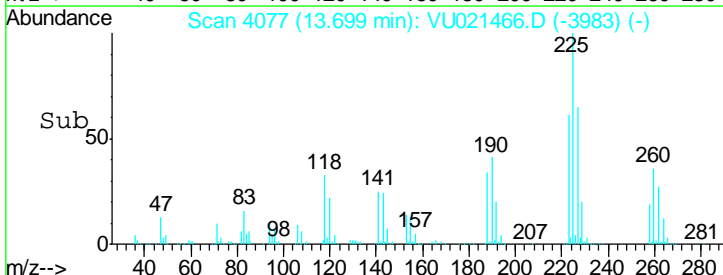
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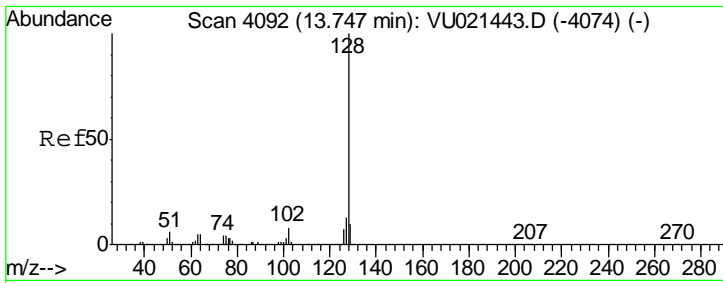


#94
 Hexachlorobutadiene
 Concen: 19.74 ug/l
 RT: 13.70 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03



Tgt Ion	Resp	Lower	Upper
225	100		
223	61.2	30.9	92.7
227	63.8	32.6	97.7



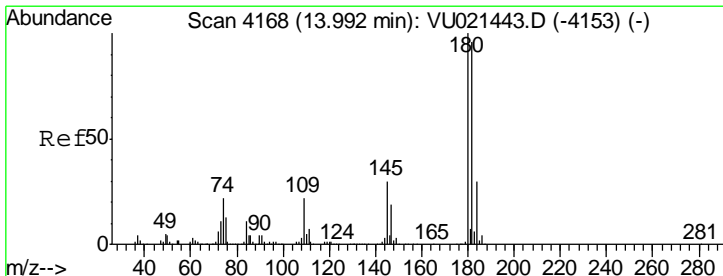
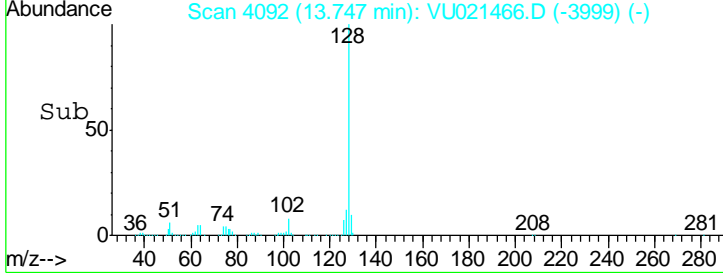
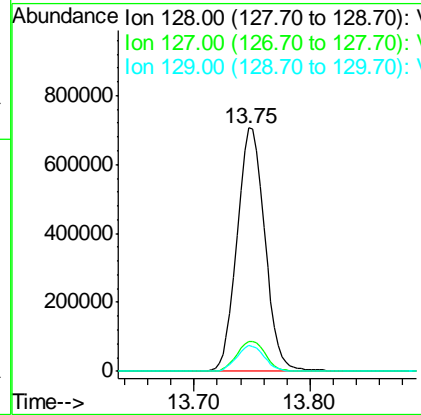
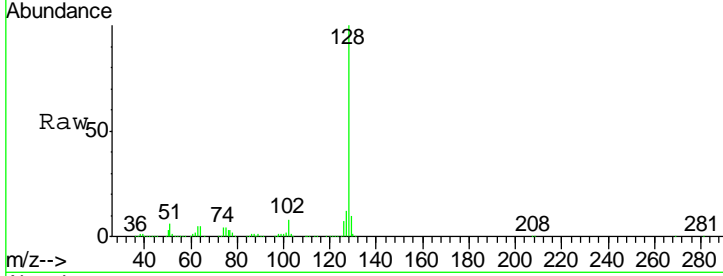


#95
 Naphthalene
 Concen: 19.29 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. -0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Instrument : MSVOA_U
 Client Sampled : VU0104WBS01

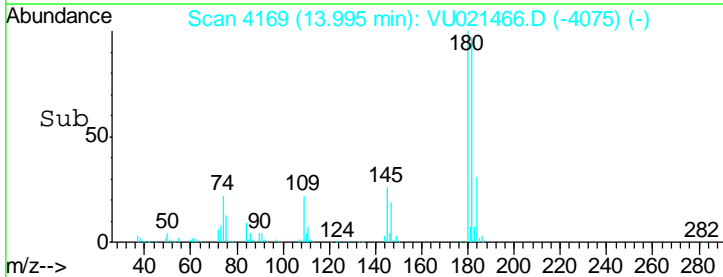
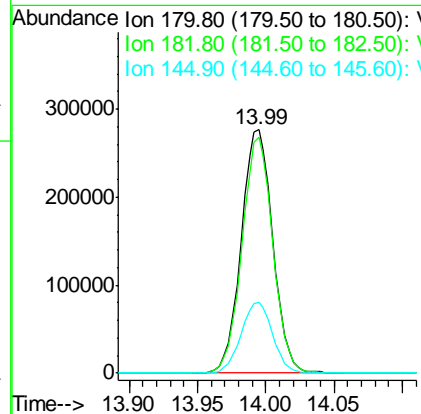
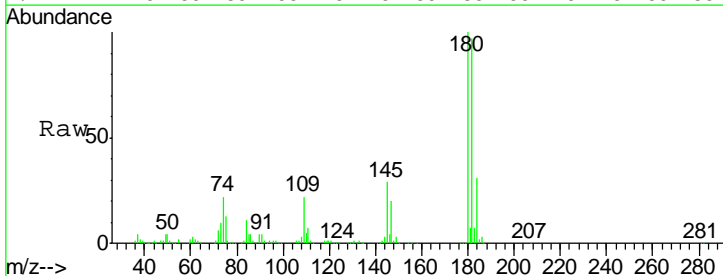
Tgt Ion	Resp	Lower	Upper
128	1165768		
127	12.9	10.1	15.1
129	10.4	8.6	12.8

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#96
 1,2,3-Trichlorobenzene
 Concen: 19.62 ug/l
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.00 min
 Lab File: VU021466.D
 Acq: 04 Jan 2018 12:03

Tgt Ion	Resp	Lower	Upper
180	442998		
182	95.2	48.1	144.3
145	29.2	14.9	44.9





Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	918-MW-07(22.5)MS	SDG No.:	17090
Lab Sample ID:	I7090-08MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021485.D	1		01/04/18 20:32	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	49.7		0.2	0.2	1	ug/L
74-87-3	Chloromethane	50.5		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	52.7		0.2	0.2	1	ug/L
74-83-9	Bromomethane	51.8		0.2	0.2	1	ug/L
75-00-3	Chloroethane	55.8		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	53.7		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	51.7		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	53.4		0.2	0.2	1	ug/L
67-64-1	Acetone	210		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	48.6		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	53.7		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	52.9		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	53.1		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	53		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	53.1		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	52.8		0.2	0.2	1	ug/L
78-93-3	2-Butanone	250		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	52.5		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	52.3		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	52.9		0.2	0.5	1	ug/L
67-66-3	Chloroform	54.5		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	53.2		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	50		0.2	0.2	1	ug/L
71-43-2	Benzene	52.2		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	52.4		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	49.9		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	52.1		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	53		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	270		1	1	5	ug/L
108-88-3	Toluene	52.3		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	51.6		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	52		0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	918-MW-07(22.5)MS	SDG No.:	17090
Lab Sample ID:	I7090-08MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021485.D	1		01/04/18 20:32	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	53.8		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	260		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	54		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	53.6		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	53.3		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	51.2		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	52.1		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	100		0.4	0.4	2	ug/L
95-47-6	o-Xylene	53.1		0.2	0.2	1	ug/L
100-42-5	Styrene	52.4		0.2	0.2	1	ug/L
75-25-2	Bromoform	52.3		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	54.3		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	56.2		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	51.3		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	50.3		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	52.8		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	55.6		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	50.3		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	51.5		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.7		61 - 141		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		69 - 133		105%	SPK: 50
2037-26-5	Toluene-d8	56.6		65 - 126		113%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		58 - 135		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1235940	4.99				
540-36-3	1,4-Difluorobenzene	1849480	5.89				
3114-55-4	Chlorobenzene-d5	1696300	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	898076	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	918-MW-07(22.5)MS	SDG No.:	17090
Lab Sample ID:	I7090-08MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021485.D	1		01/04/18 20:32	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021485.D
 Acq On : 04 Jan 2018 20:32
 Operator : MD/SY
 Sample : I7090-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 918-MW-07(22.5)MS

Manual Integrations
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 1/5/2018 1:06:16 PM

Quant Time: Jan 05 01:21:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1235937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1849476	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1696303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	898076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	586858	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	
35) Dibromofluoromethane	4.89	113	535347	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	7.57	98	1845499	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	
62) 4-Bromofluorobenzene	10.31	95	766467	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	500863	49.69	ug/l	99
3) Chloromethane	1.33	50	613094	50.50	ug/l	97
4) Vinyl Chloride	1.40	62	645198	52.66	ug/l	99
5) Bromomethane	1.63	94	445156	51.81	ug/l	100
6) Chloroethane	1.70	64	407795	55.77	ug/l	99
7) Trichlorofluoromethane	1.89	101	931796	53.65	ug/l	99
8) Diethyl Ether	2.10	74	392609	54.47	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	574992	51.65	ug/l	100
10) Methyl Iodide	2.41	142	795133	51.29	ug/l	99
11) Tert butyl alcohol	2.83	59	700220	267.18	ug/l	99
12) 1,1-Dichloroethene	2.29	96	554163	53.38	ug/l	99
13) Acrolein	2.19	56	436945	232.02	ug/l	99
14) Allyl chloride	2.59	41	808197	50.57	ug/l	97
15) Acrylonitrile	2.94	53	1664464	275.98	ug/l	99
16) Acetone	2.32	43	1317289	210.26	ug/l	100
17) Carbon Disulfide	2.48	76	1443354	48.59	ug/l	99
18) Methyl Acetate	2.62	43	707834	52.94	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	1878227	53.71	ug/l	100
20) Methylene Chloride	2.70	84	622768	53.08	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	589406	53.01	ug/l	99
22) Diisopropyl ether	3.58	45	1656904	52.97	ug/l	99
23) Vinyl Acetate	3.53	43	6436326	258.28	ug/l	100
24) 1,1-Dichloroethane	3.45	63	1032023	53.08	ug/l	100
25) 2-Butanone	4.27	43	1985189	249.48	ug/l	100
26) 2,2-Dichloropropane	4.23	77	799994	48.04	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	675397	52.27	ug/l	99
28) Bromochloromethane	4.55	49	428511	52.88	ug/l	99
29) Tetrahydrofuran	4.65	42	1240771	267.26	ug/l	100
30) Chloroform	4.68	83	1090449	54.54	ug/l	100
31) Cyclohexane	5.00	56	896798	52.80	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	933201	53.19	ug/l	99
36) 1,1-Dichloropropene	5.14	75	802106	50.72	ug/l	99
37) Ethyl Acetate	4.39	43	712790	50.91	ug/l	100
38) Carbon Tetrachloride	5.14	117	814489	52.52	ug/l	99

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021485.D
 Acq On : 04 Jan 2018 20:32
 Operator : MD/SY
 Sample : I7090-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 918-MW-07(22.5)MS

Manual Integrations
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 1/5/2018 1:06:16 PM

Quant Time: Jan 05 01:21:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	987976	50.01	ug/l	99
40) Benzene	5.39	78	2419626	52.22	ug/l	99
41) Methacrylonitrile	4.55	41	420451	54.76	ug/l	98
42) 1,2-Dichloroethane	5.41	62	826922	52.37	ug/l	100
43) Isopropyl Acetate	5.55	43	1188010	50.76	ug/l	100
44) Trichloroethene	6.19	130	699949	49.91	ug/l	99
45) 1,2-Dichloropropane	6.44	63	613942	52.13	ug/l	98
46) Dibromomethane	6.56	93	442022	53.82	ug/l	99
47) Bromodichloromethane	6.76	83	797805	52.99	ug/l	99
48) Methyl methacrylate	6.63	41	620884	53.44	ug/l	98
49) 1,4-Dioxane	6.62	88	308206	1063.29	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	3872342	270.31	ug/l	99
52) Toluene	7.64	92	1555881	52.34	ug/l	100
53) t-1,3-Dichloropropene	7.89	75	868000	51.61	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	948240	51.98	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	634199	53.82	ug/l	100
56) Ethyl methacrylate	8.02	69	951426	53.71	ug/l	99
57) 1,3-Dichloropropane	8.25	76	1043361	53.49	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.10	63	2346	0.35	ug/l #	44
59) 2-Hexanone	8.37	43	2915853	258.79	ug/l	100
60) Dibromochloromethane	8.48	129	671472	53.96	ug/l	99
61) 1,2-Dibromoethane	8.59	107	694349	53.64	ug/l	99
64) Tetrachloroethene	8.23	164	711491	53.34	ug/l	98
65) Chlorobenzene	9.12	112	1785273	51.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	635786	53.27	ug/l	99
67) Ethyl Benzene	9.25	91	3016942	52.14	ug/l	100
68) m/p-Xylenes	9.38	106	2325505	103.41	ug/l	99
69) o-Xylene	9.78	106	1145894	53.14	ug/l	99
70) Styrene	9.80	104	1882744	52.42	ug/l	99
71) Bromoform	9.96	173	529592	52.31	ug/l #	99
73) Isopropylbenzene	10.17	105	3075331	54.28	ug/l	100
74) N-amyl acetate	10.02	43	1023976	53.32	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	986836	56.23	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	825694m	56.62	ug/l	
77) Bromobenzene	10.46	156	829992	53.36	ug/l	99
78) n-propylbenzene	10.59	91	3450132	53.18	ug/l	100
79) 2-Chlorotoluene	10.66	91	2054225	53.89	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	2575388	54.04	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.52	75	271084m	54.08	ug/l	
82) 4-Chlorotoluene	10.78	91	2366475	52.75	ug/l	99
83) tert-Butylbenzene	11.10	119	2570885	54.60	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	2609772	53.83	ug/l	100
85) sec-Butylbenzene	11.33	105	3073427	53.44	ug/l	100
86) p-Isopropyltoluene	11.48	119	2759106	52.91	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	1452344	51.33	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	1456975	50.26	ug/l	100
89) n-Butylbenzene	11.89	91	2284590	49.67	ug/l	100
90) Hexachloroethane	12.15	117	437745	53.79	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	1484547	52.75	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	210608	55.63	ug/l	98

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021485.D
 Acq On : 04 Jan 2018 20:32
 Operator : MD/SY
 Sample : I7090-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 918-MW-07(22.5)MS

Manual Integrations
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Quant Time: Jan 05 01:21:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	1010608	50.28	ug/l	100
94) Hexachlorobutadiene	13.70	225	478414	49.97	ug/l	99
95) Naphthalene	13.75	128	2919543	55.88	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	1005849	51.54	ug/l	99

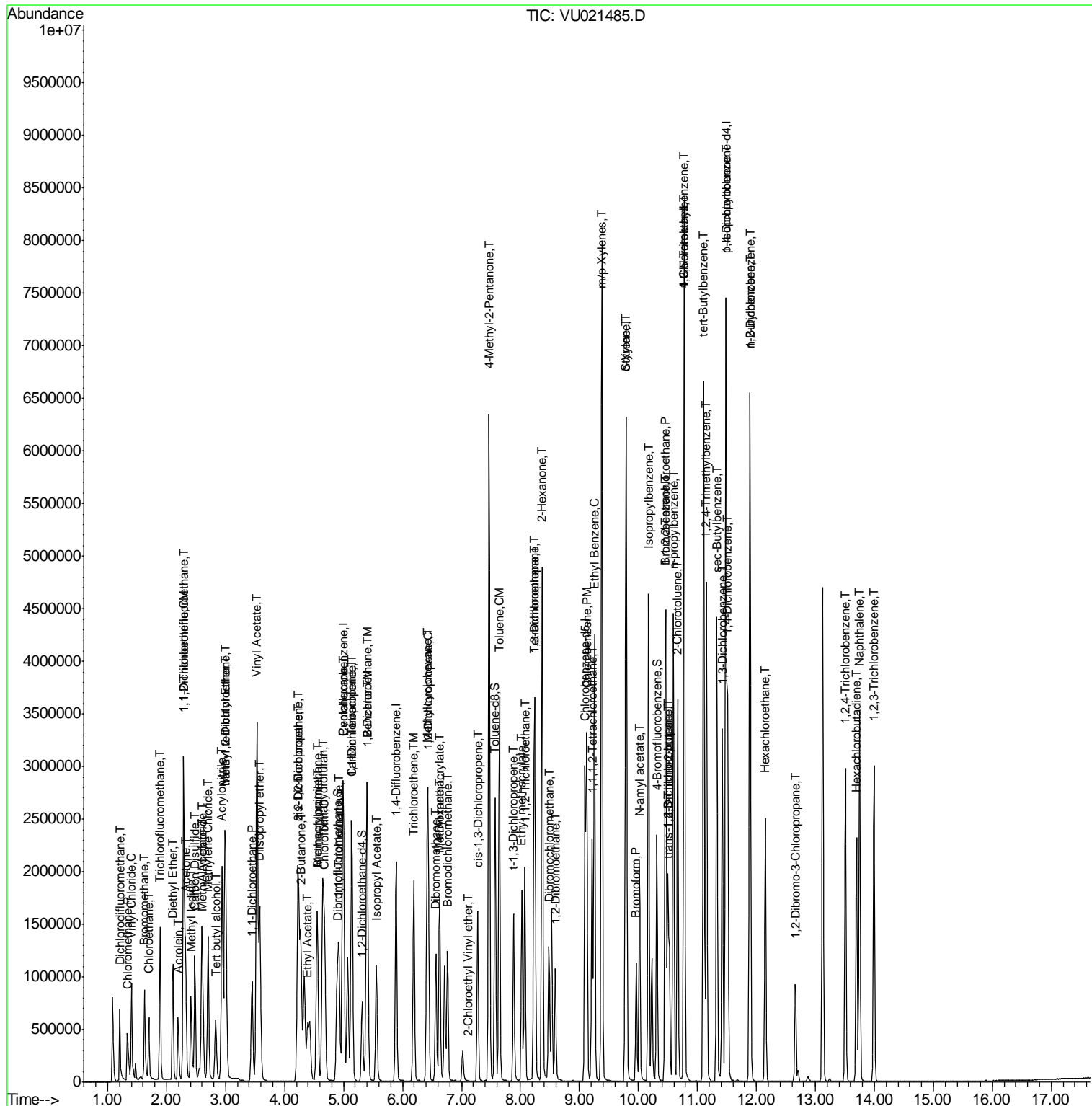
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021485.D
 Acq On : 04 Jan 2018 20:32
 Operator : MD/SY
 Sample : I7090-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

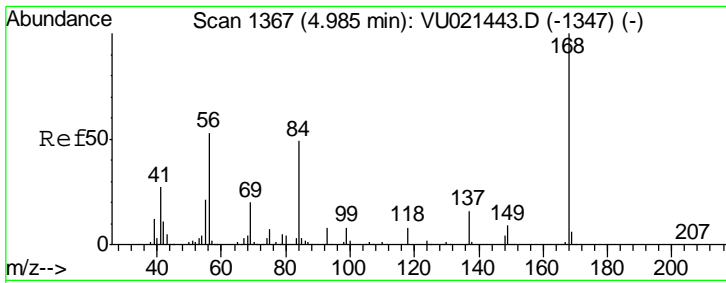
Instrument : MSVOA_U
 Client Sample Id : 918-MW-07(22.5)MS

Manual Integrations APPROVED
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Quant Time: Jan 05 01:21:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

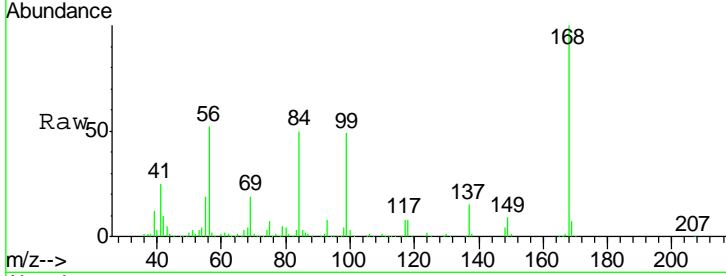


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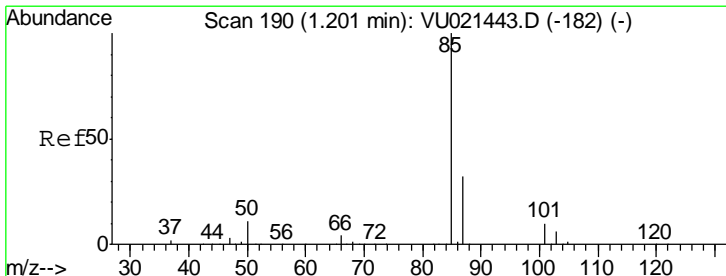
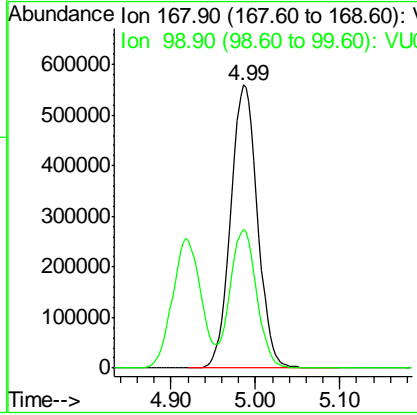
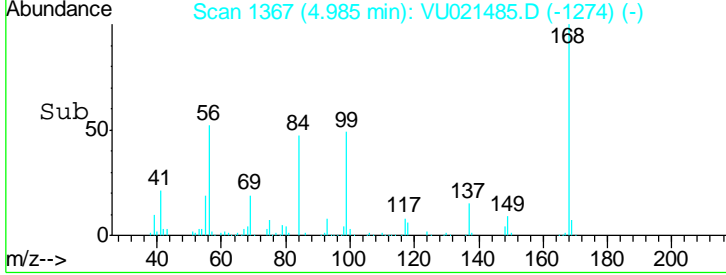
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

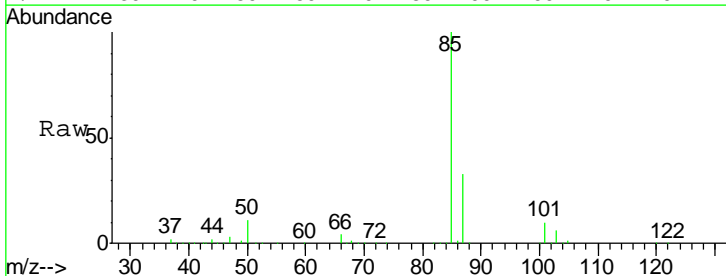


Tgt Ion: 168 Resp: 1235937
 Ion Ratio Lower Upper
 168 100
 99 48.9 39.4 59.2

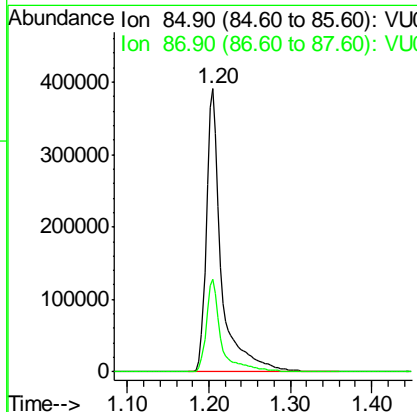
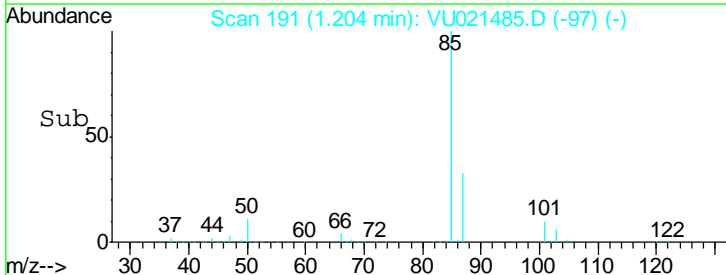
Manual Integrations APPROVED
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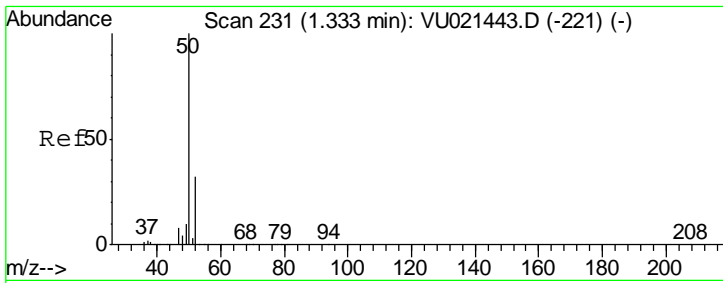


#2
 Dichlorodifluoromethane
 Concen: 49.69 ug/l
 RT: 1.20 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



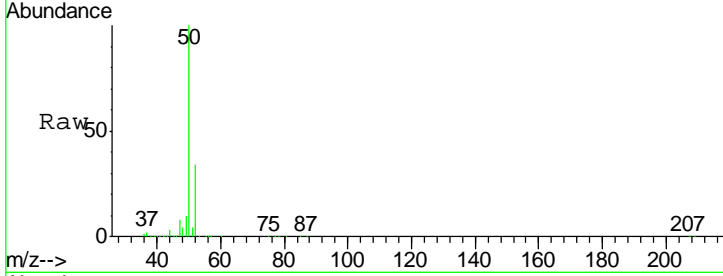
Tgt Ion: 85 Resp: 500863
 Ion Ratio Lower Upper
 85 100
 87 32.8 16.1 48.3





#3
 Chloromethane
 Concen: 50.50 ug/l
 RT: 1.33 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

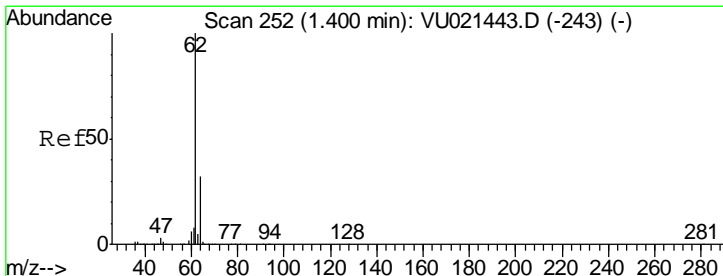
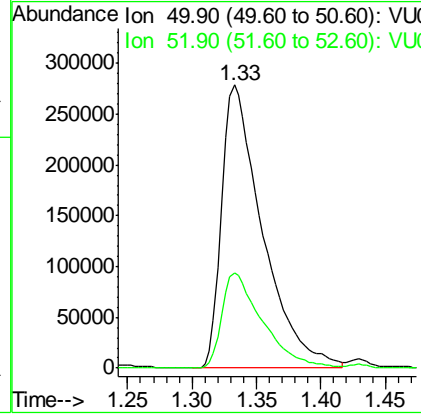
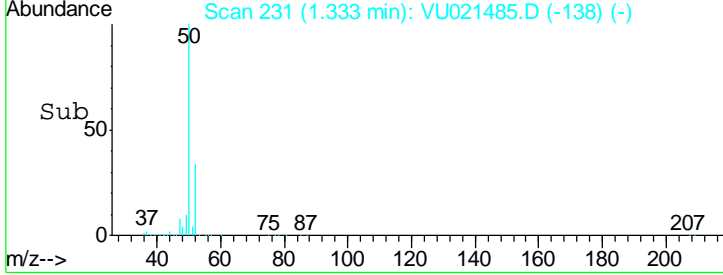
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



Tgt Ion: 50 Resp: 613094

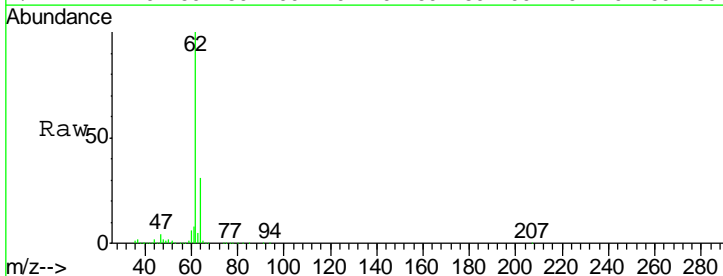
Ion	Ratio	Lower	Upper
50	100		
52	33.9	25.9	38.9

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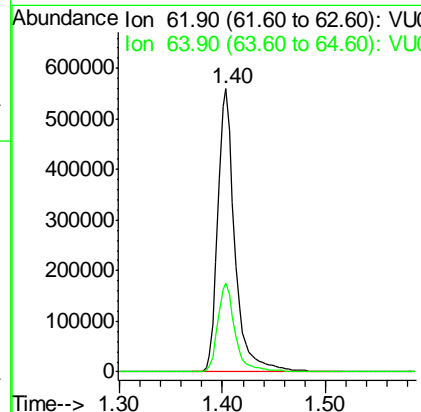
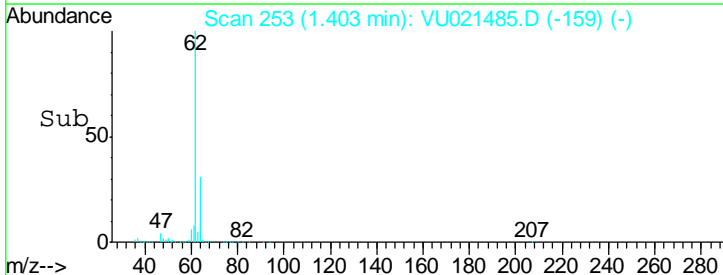
#4
 Vinyl Chloride
 Concen: 52.66 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

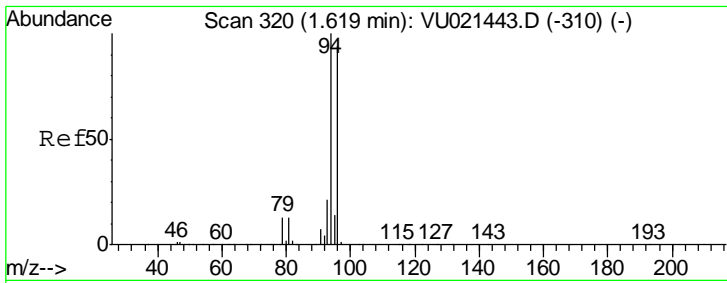
16



Tgt Ion: 62 Resp: 645198

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.4	38.0



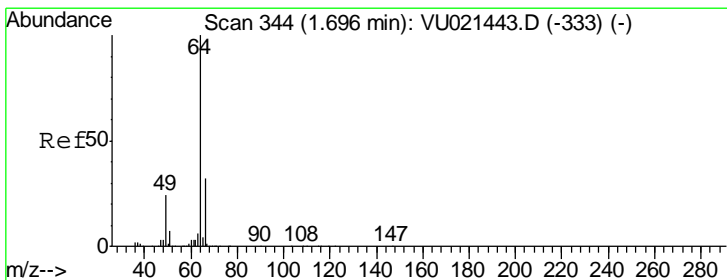
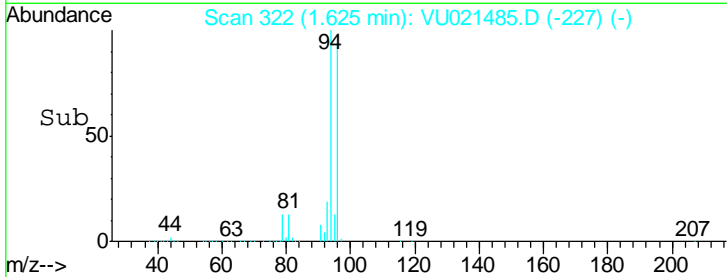
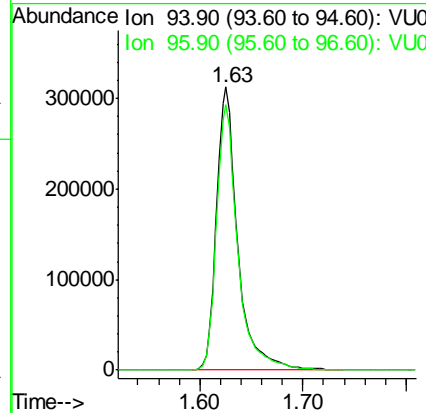
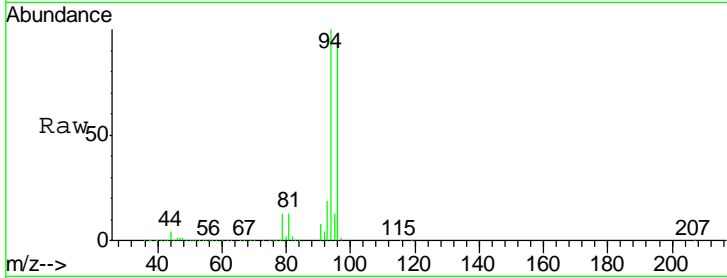


#5
 Bromomethane
 Concen: 51.81 ug/l
 RT: 1.63 min Scan# 322
 Delta R.T. 0.01 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.7	75.2	112.8

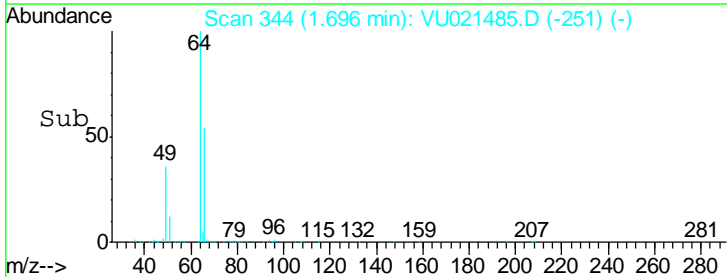
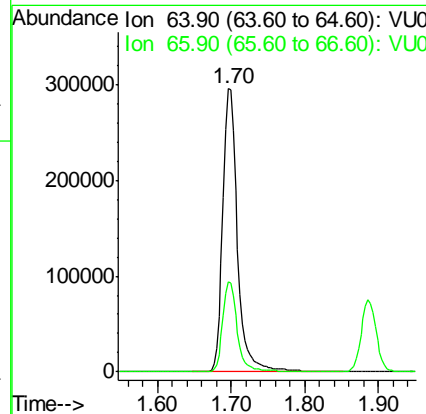
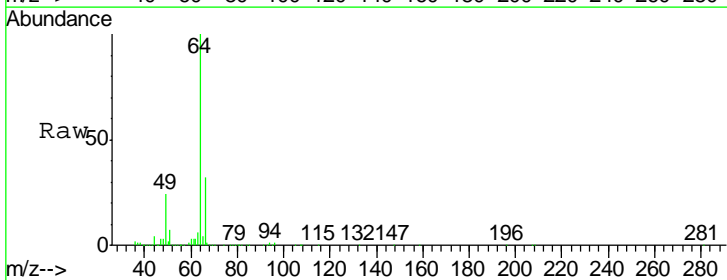
Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MS

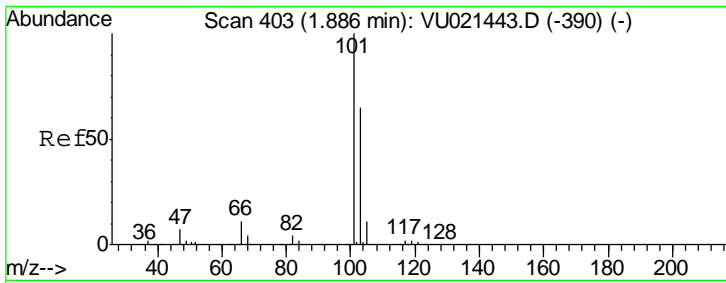
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 55.77 ug/l
 RT: 1.70 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

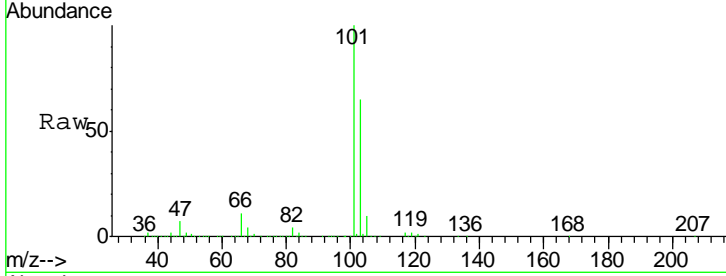
Tgt Ion	Resp	Lower	Upper
64	100		
66	32.0	25.8	38.8





#7
 Trichlorofluoromethane
 Concen: 53.65 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

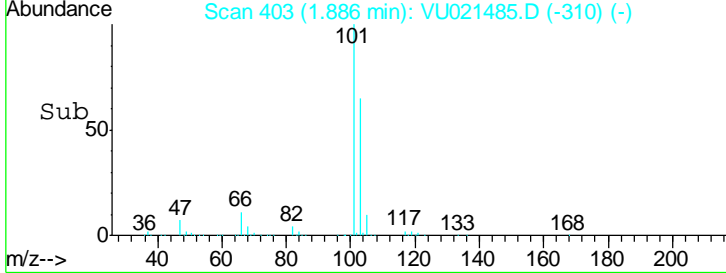
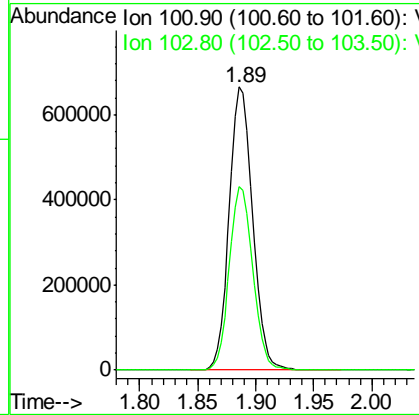
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



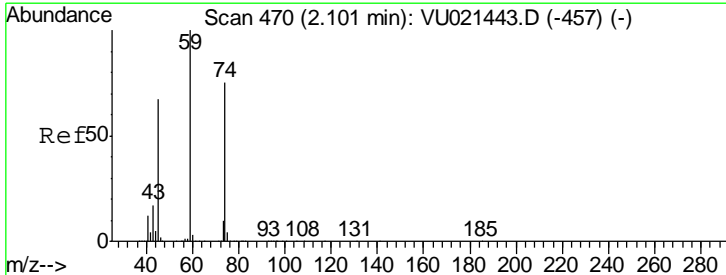
Tgt Ion: 101 Resp: 931796

Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.2	78.2

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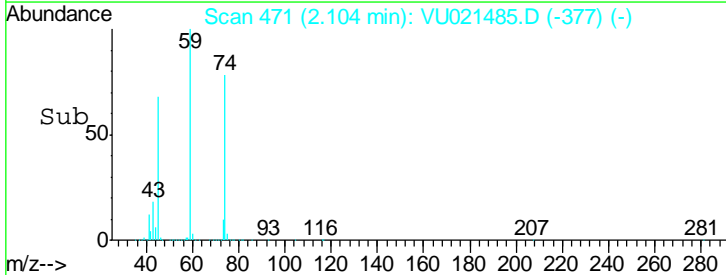
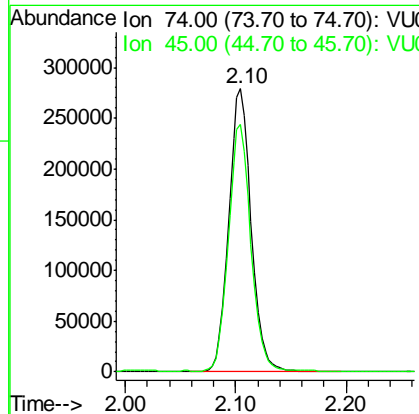


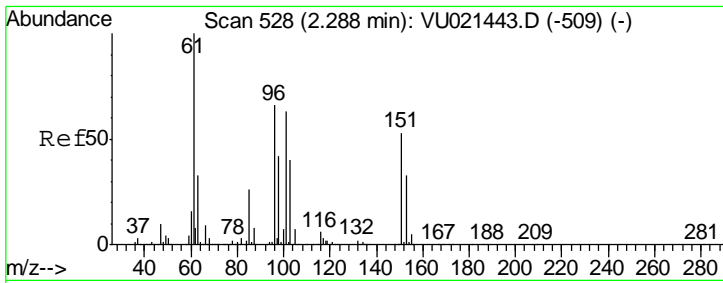
#8
 Diethyl Ether
 Concen: 54.47 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 74 Resp: 392609

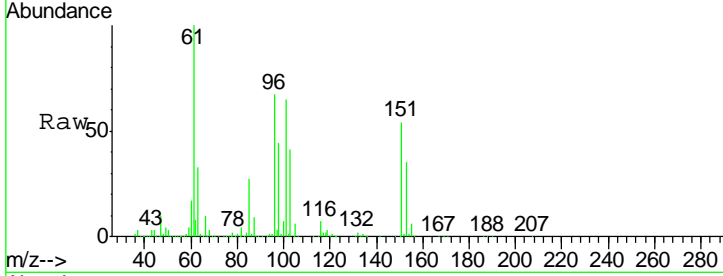
Ion	Ratio	Lower	Upper
74	100		
45	87.6	44.0	132.0





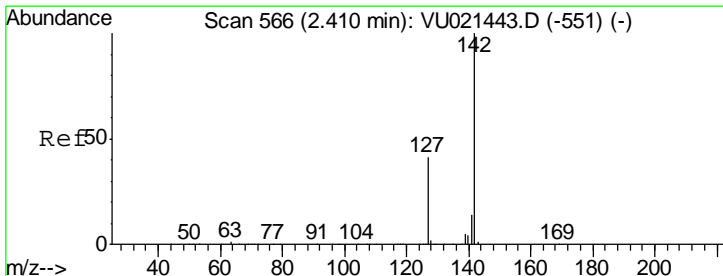
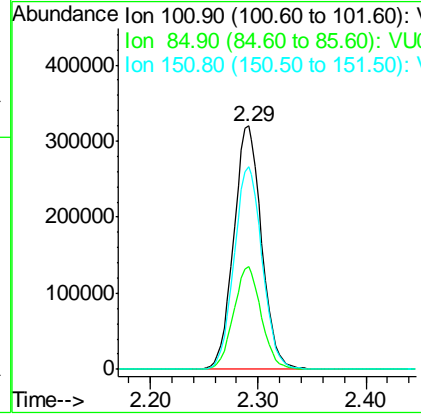
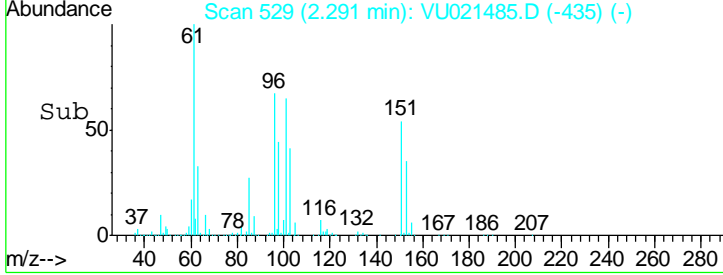
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.65 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MS

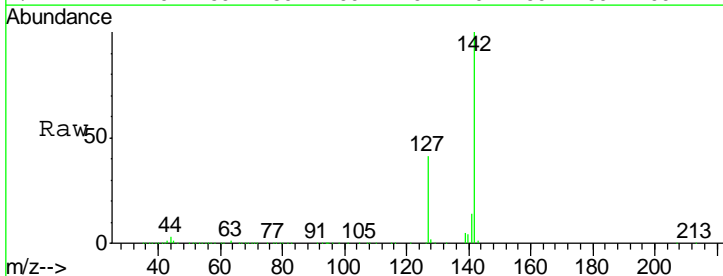


Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.0	33.2	49.8
151	84.2	67.1	100.7

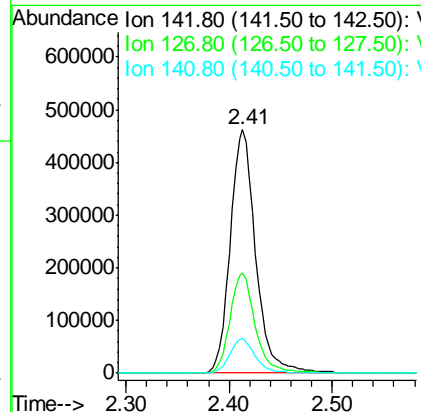
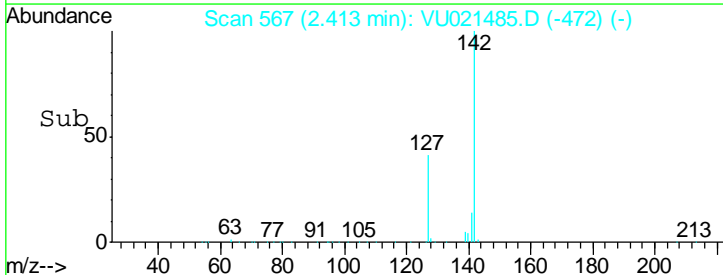
Manual Integrations
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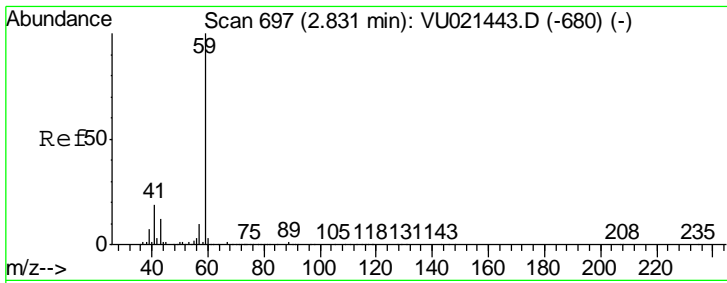


#10
 Methyl Iodide
 Concen: 51.29 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.9	32.2	48.4
141	14.2	11.3	16.9



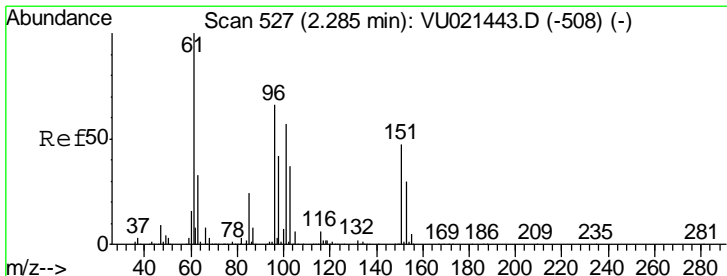
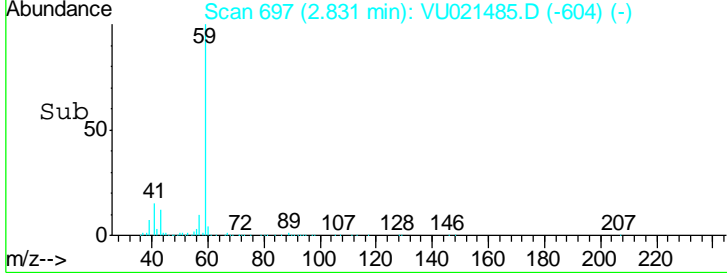
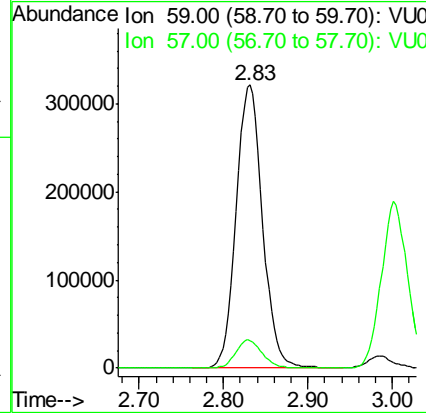
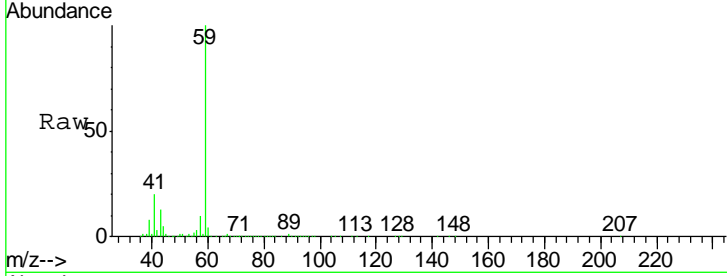


#11
 Tert butyl alcohol
 Concen: 267.18 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.8	7.7	11.5

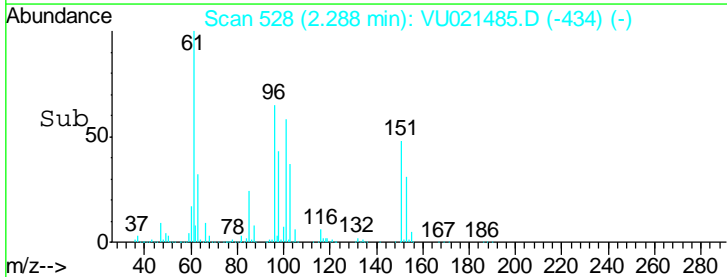
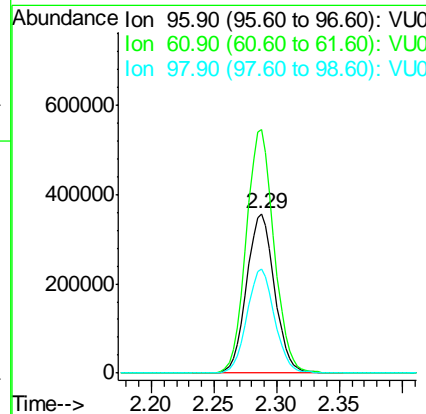
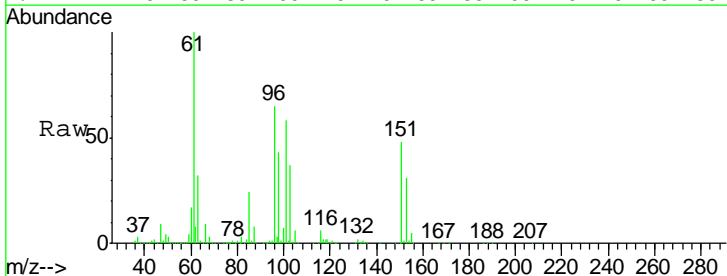
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

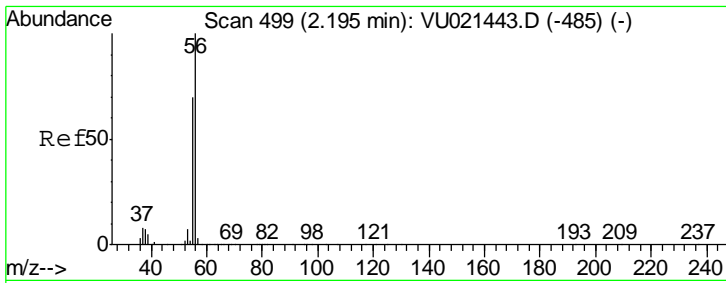
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#12
 1,1-Dichloroethene
 Concen: 53.38 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

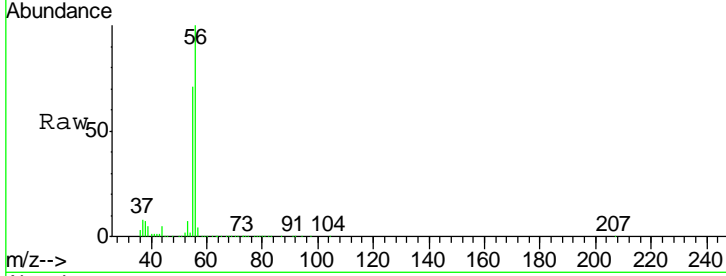
Tgt Ion	Resp	Lower	Upper
96	100		
61	152.9	121.5	182.3
98	65.3	50.9	76.3





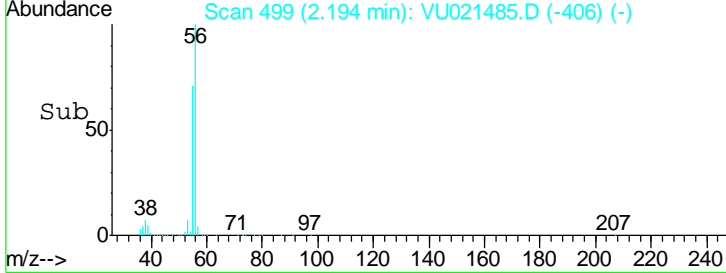
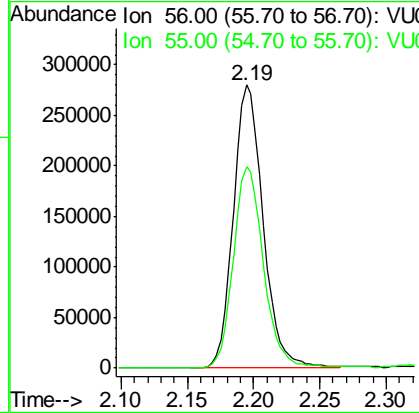
#13
 Acrolein
 Concen: 232.02 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

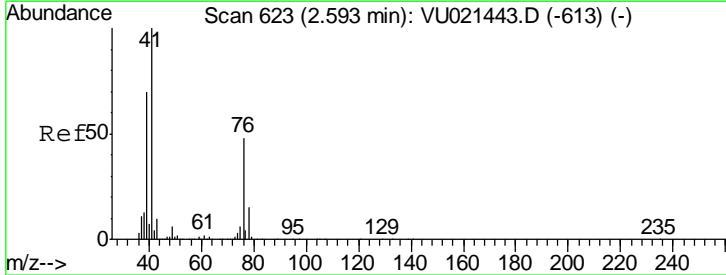


Tgt Ion: 56 Resp: 436945
 Ion Ratio Lower Upper
 56 100
 55 71.5 56.5 84.7

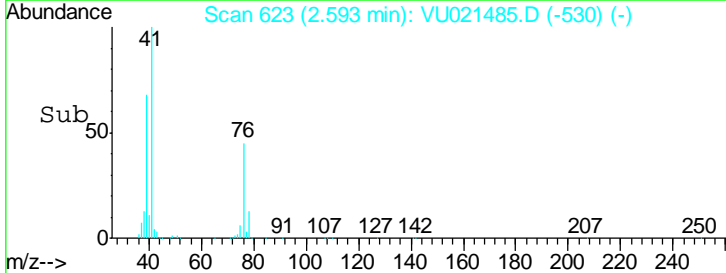
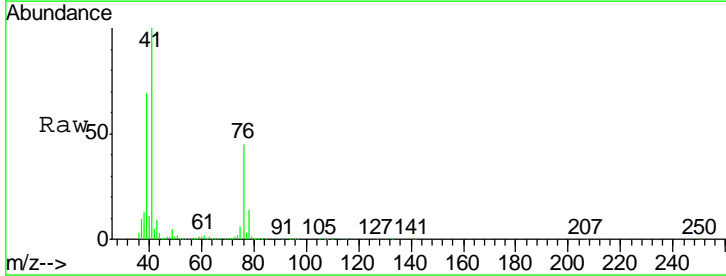
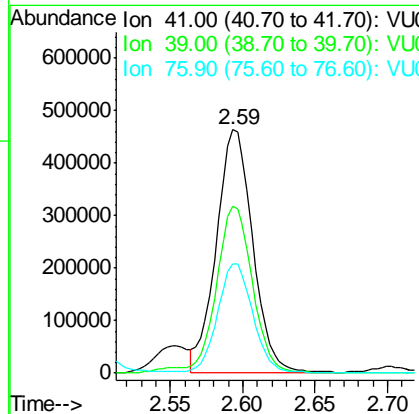
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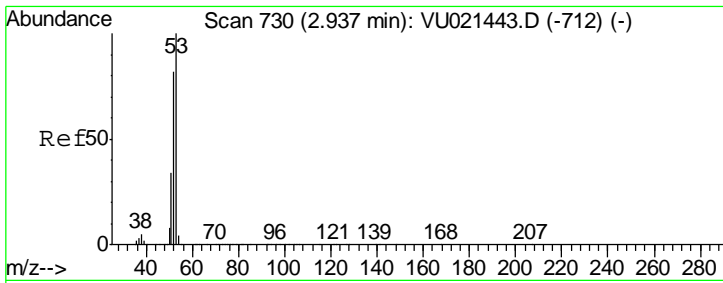


#14
 Allyl chloride
 Concen: 50.57 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 41 Resp: 808197
 Ion Ratio Lower Upper
 41 100
 39 68.9 52.7 79.1
 76 43.3 34.0 51.0



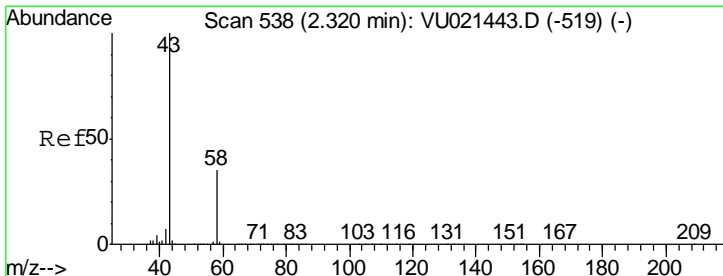
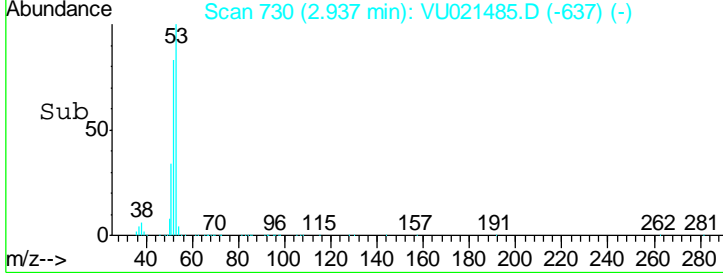
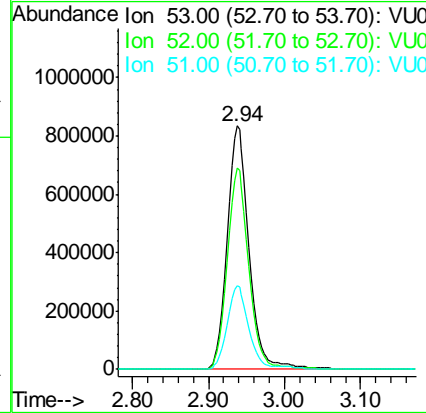
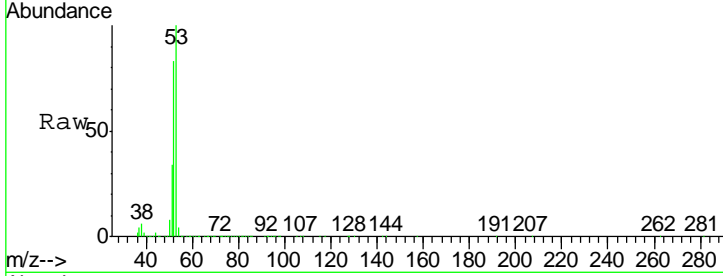


#15
 Acrylonitrile
 Concen: 275.98 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.9	64.9	97.3
51	34.8	27.0	40.4

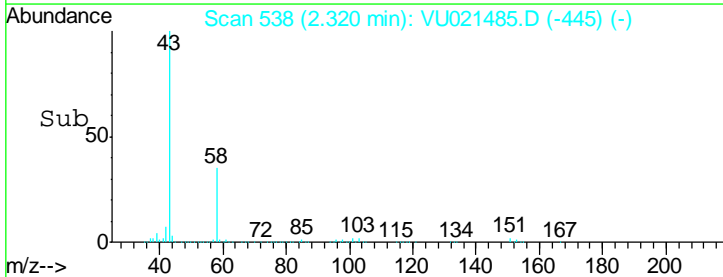
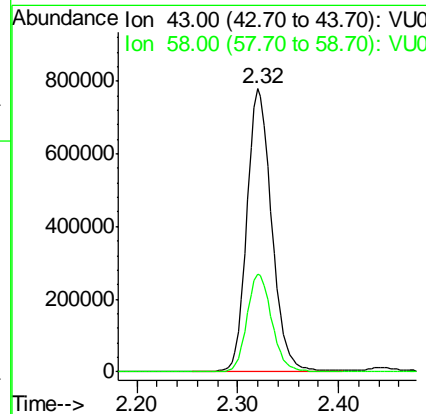
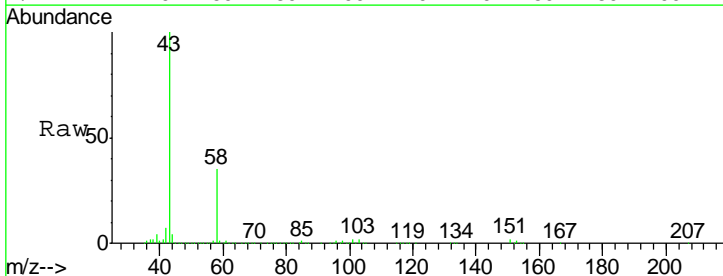
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

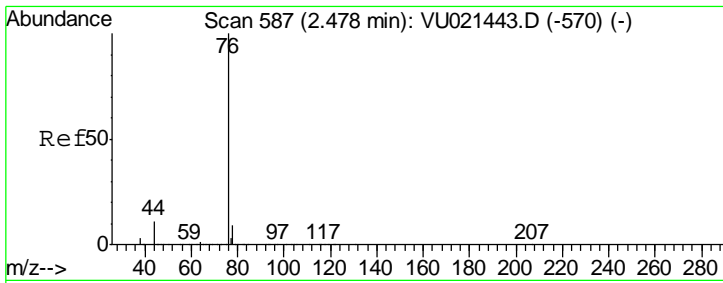
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#16
 Acetone
 Concen: 210.26 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
43	100		
58	34.6	27.8	41.8





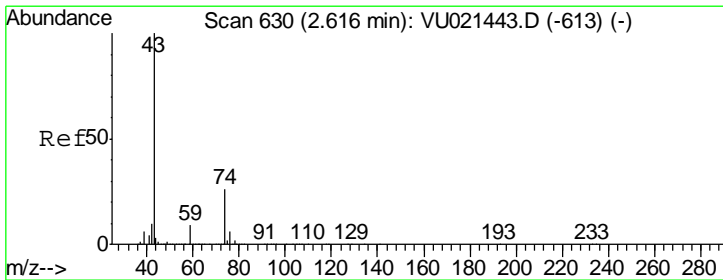
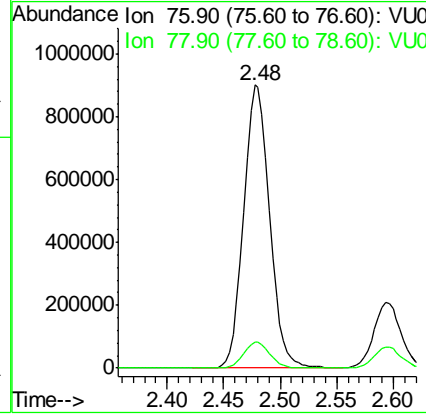
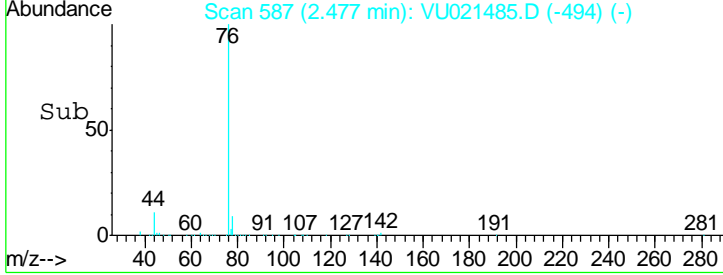
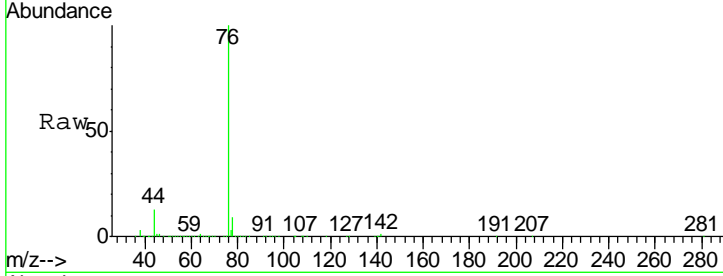
#17
 Carbon Disulfide
 Concen: 48.59 ug/l
 RT: 2.48 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion: 76 Resp: 1443354

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MS

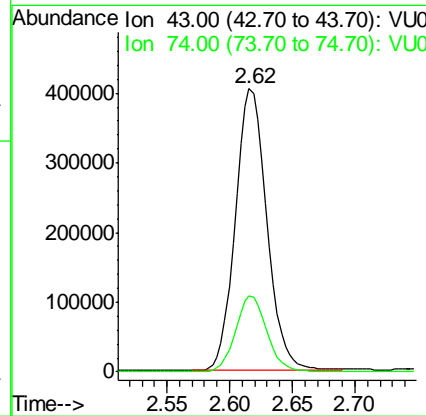
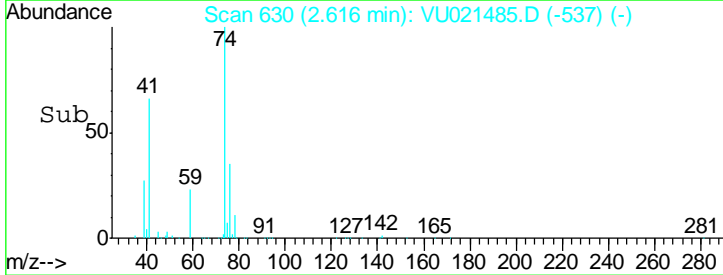
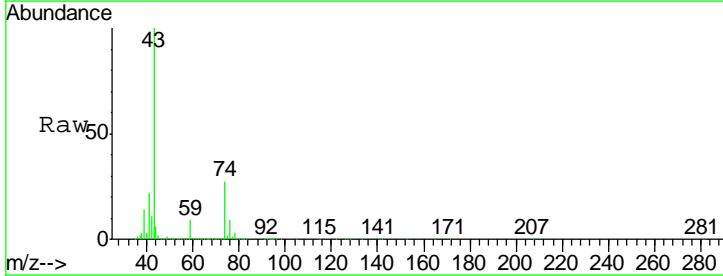
Manual Integrations APPROVED
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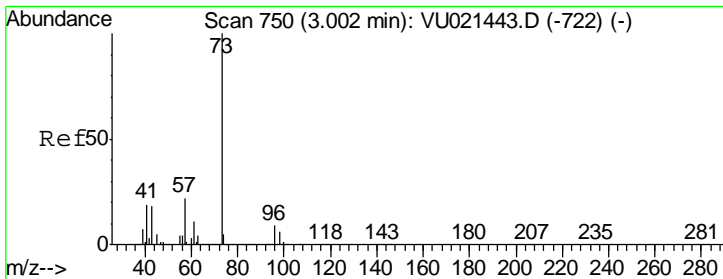


#18
 Methyl Acetate
 Concen: 52.94 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion: 43 Resp: 707834

Ion	Ratio	Lower	Upper
43	100		
74	26.8	21.3	31.9



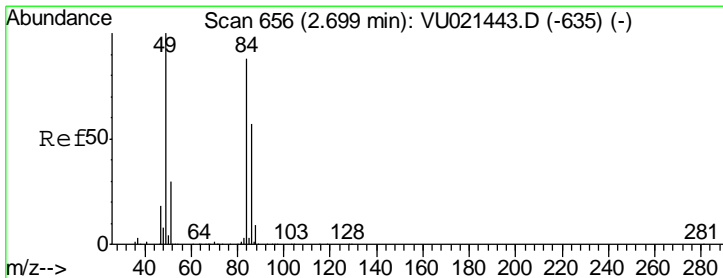
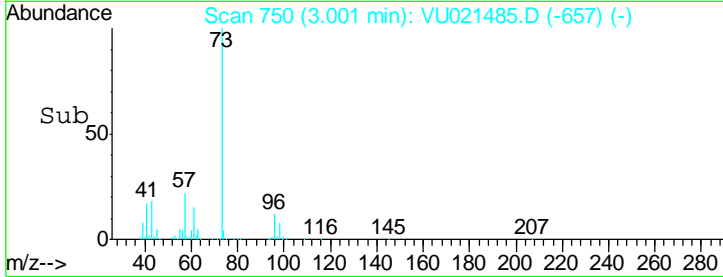
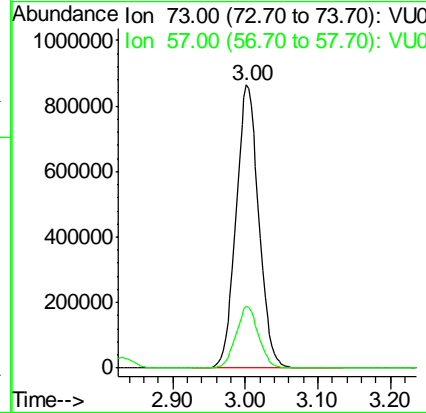
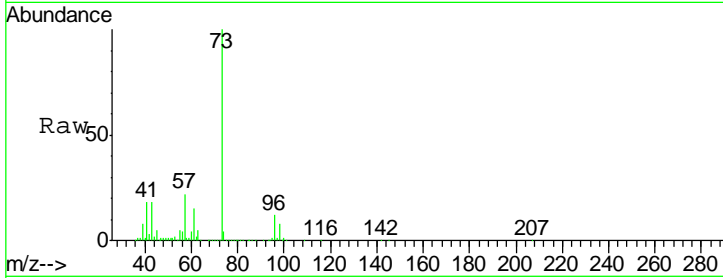


#19
 Methyl tert-butyl Ether
 Concen: 53.71 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
73	1878227		
57	21.8	17.6	26.4

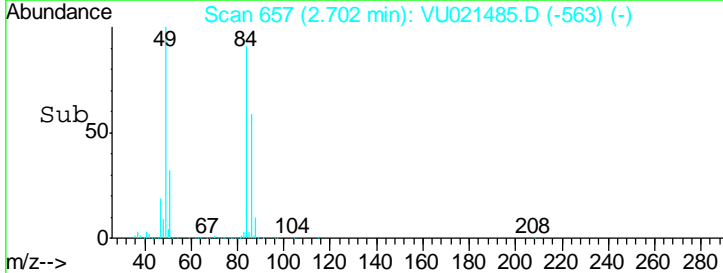
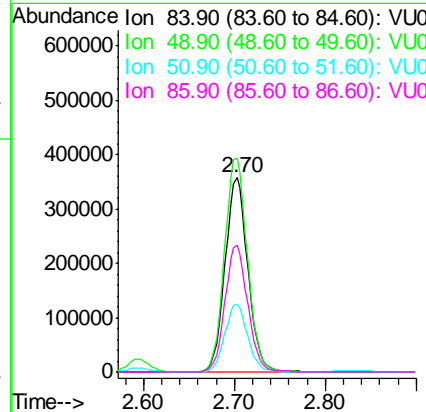
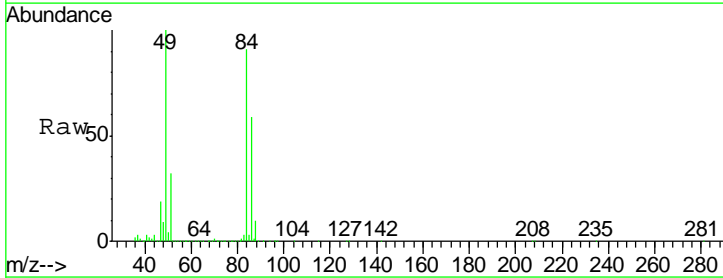
Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MS

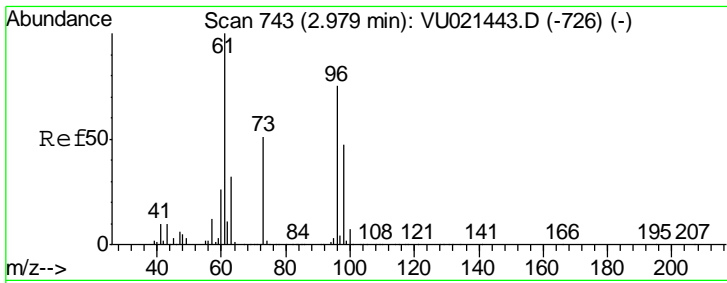
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#20
 Methylene Chloride
 Concen: 53.08 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

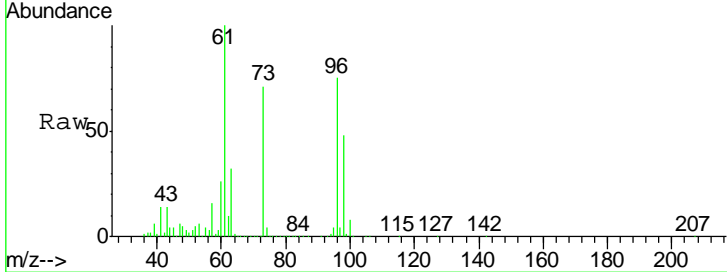
Tgt Ion	Resp	Lower	Upper
84	622768		
49	110.1	90.4	135.6
51	35.1	27.4	41.2
86	65.3	51.5	77.3





#21
 trans-1,2-Dichloroethene
 Concen: 53.01 ug/l
 RT: 2.98 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

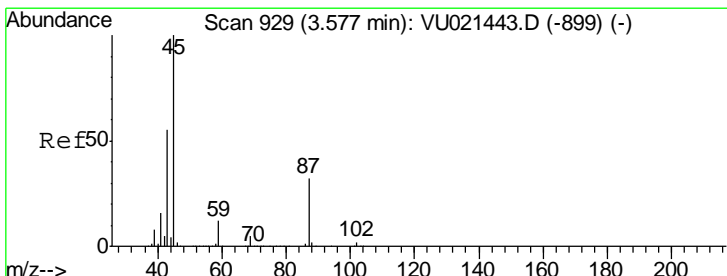
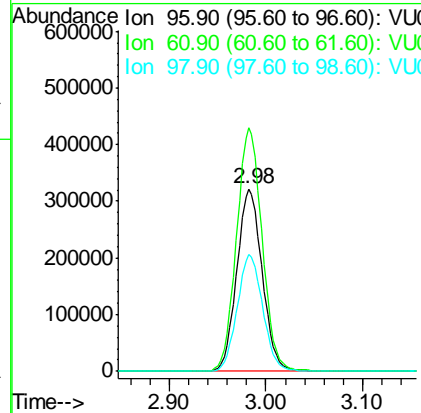
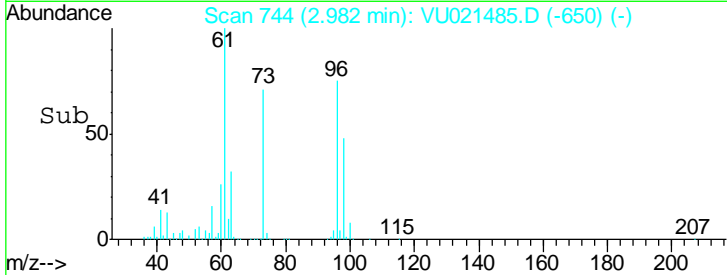
Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MS



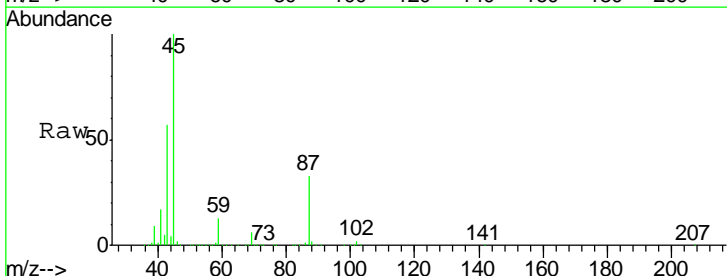
Tgt Ion: 96 Resp: 589406

Ion	Ratio	Lower	Upper
96	100		
61	133.2	106.2	159.4
98	63.7	49.6	74.4

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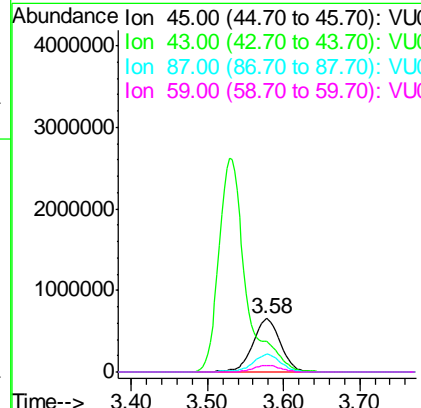
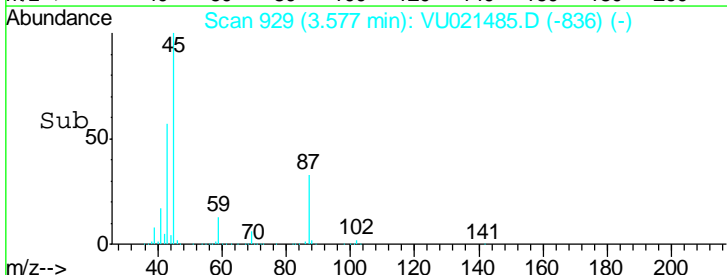


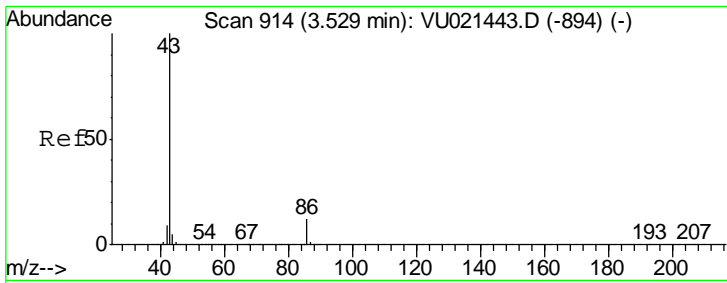
#22
 Diisopropyl ether
 Concen: 52.97 ug/l
 RT: 3.58 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 45 Resp: 1656904

Ion	Ratio	Lower	Upper
45	100		
43	56.6	44.2	66.2
87	32.8	25.8	38.6
59	12.6	10.0	15.0



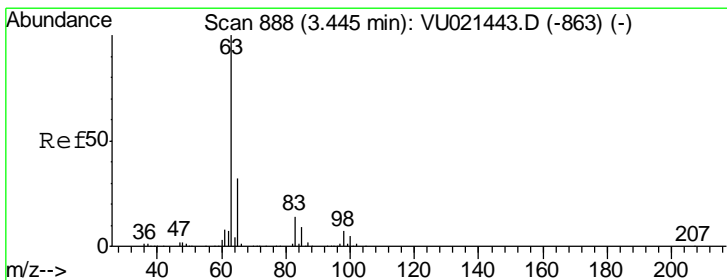
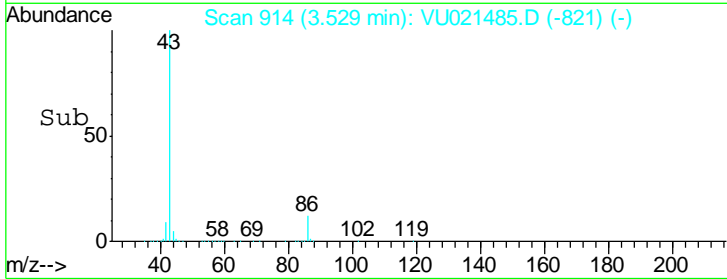
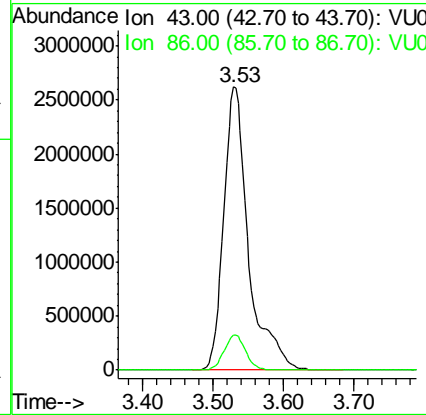
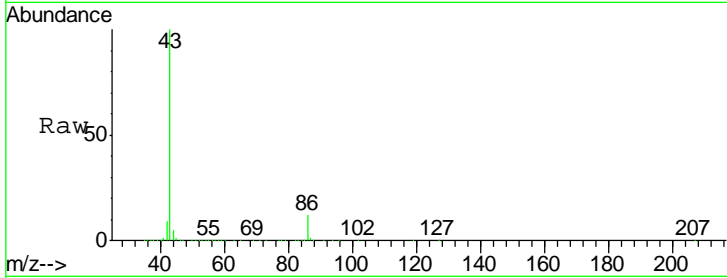


#23
 Vinyl Acetate
 Concen: 258.28 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
43	100		
86	12.3	9.8	14.6

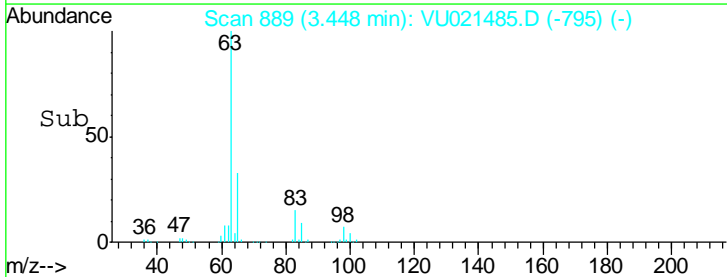
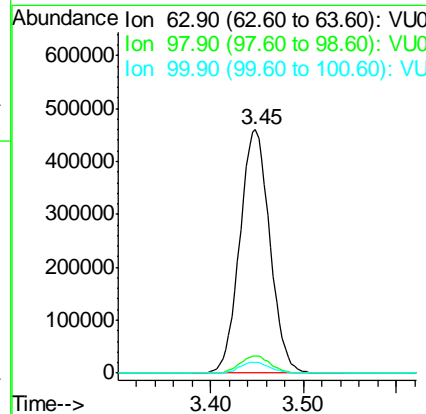
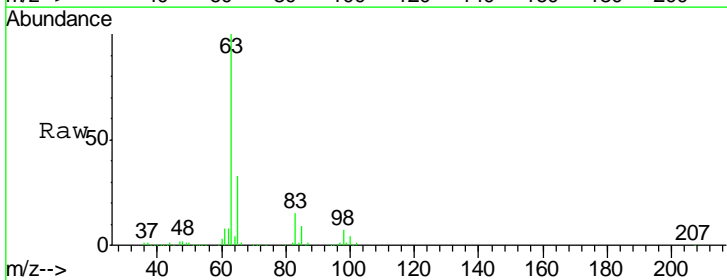
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

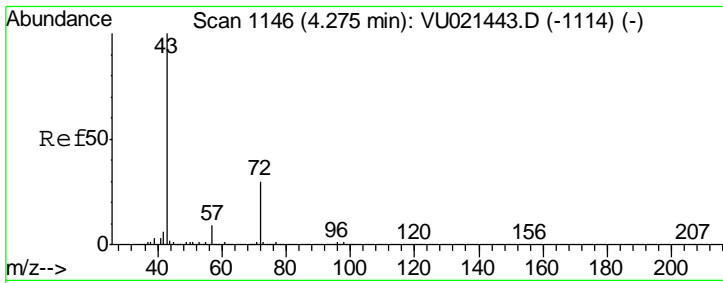
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#24
 1,1-Dichloroethane
 Concen: 53.08 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.2	3.5	10.6
100	4.4	2.3	6.9





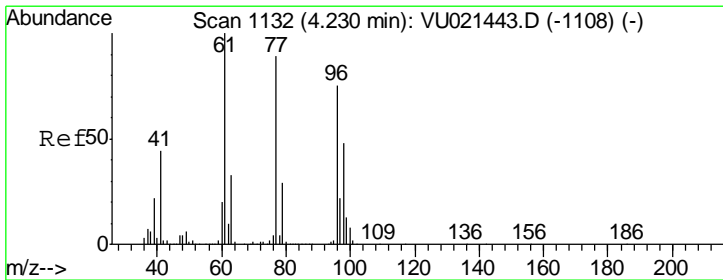
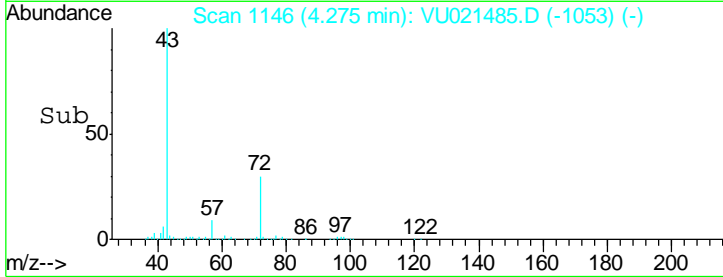
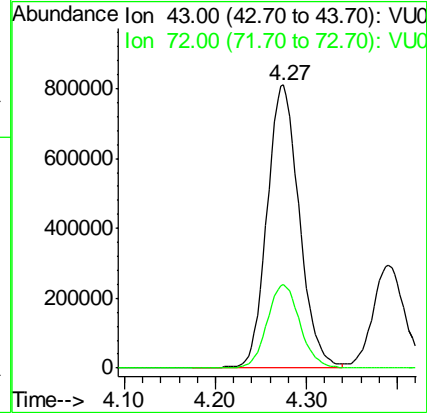
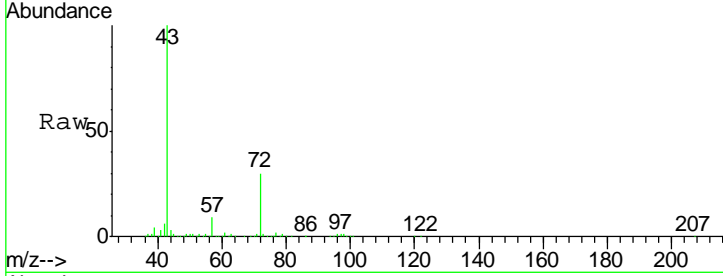
#25
 2-Butanone
 Concen: 249.48 ug/l
 RT: 4.27 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

Tgt Ion	Resp	Lower	Upper
43	100		
72	29.6	23.7	35.5

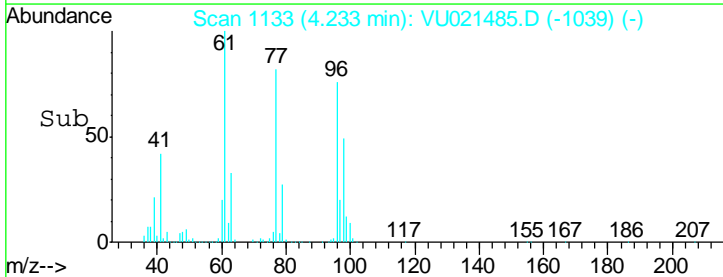
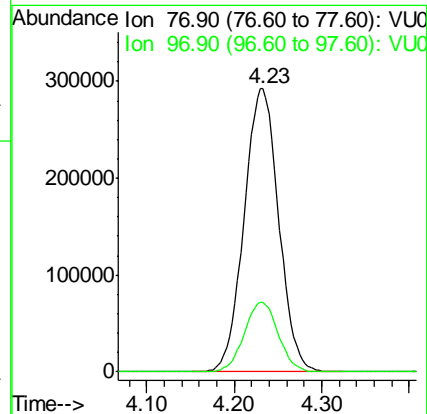
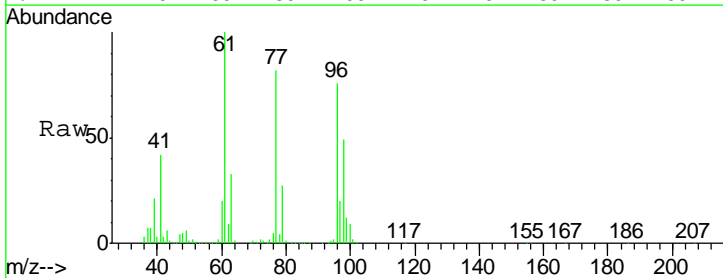
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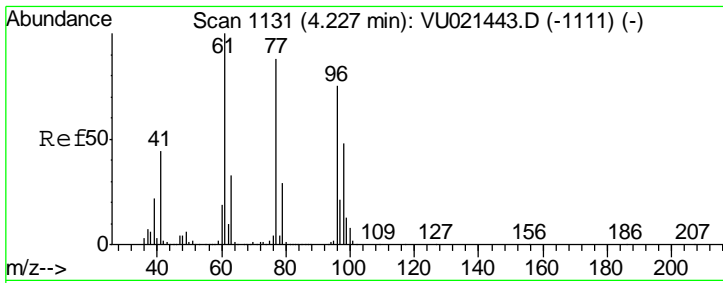
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#26
 2,2-Dichloropropane
 Concen: 48.04 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

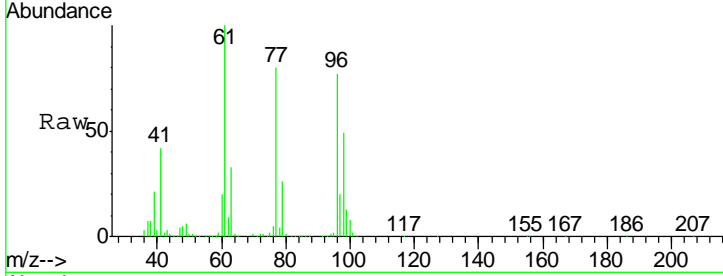
Tgt Ion	Resp	Lower	Upper
77	100		
97	24.3	12.0	36.1





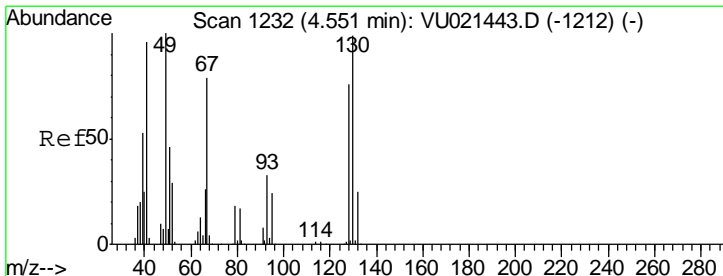
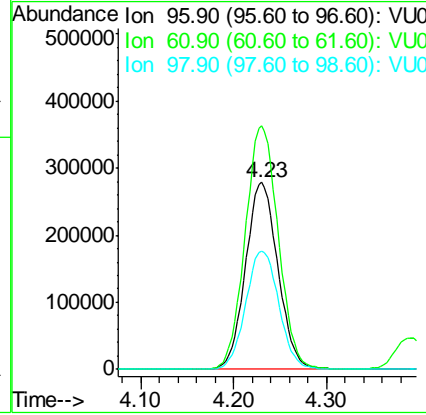
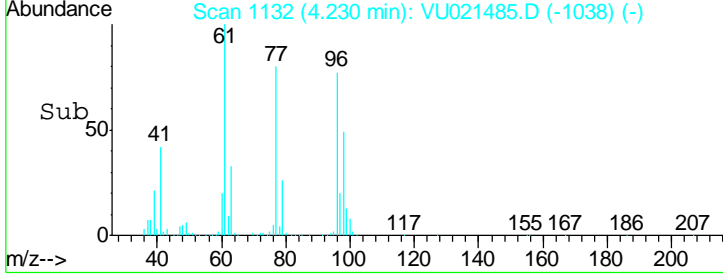
#27
 cis-1,2-Dichloroethene
 Concen: 52.27 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

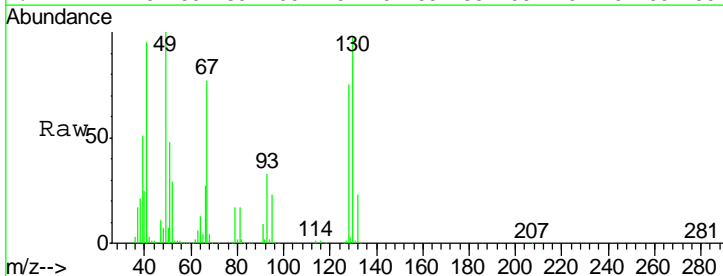


Tgt Ion	Resp	Lower	Upper
96	675397		
96	100		
61	133.1	0.0	270.2
98	64.9	0.0	128.2

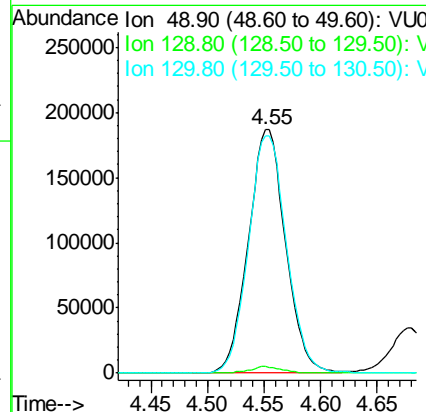
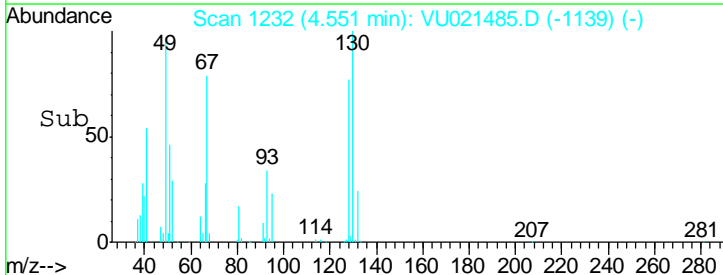
Manual Integrations APPROVED
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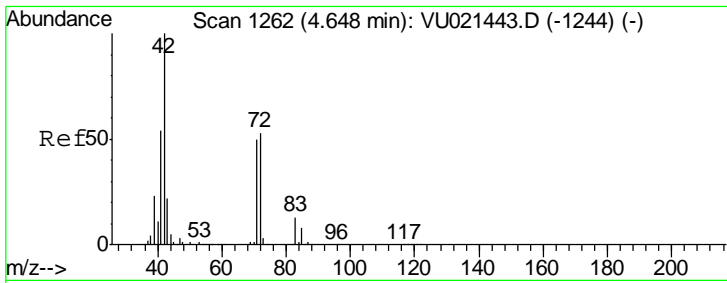


#28
 Bromochloromethane
 Concen: 52.88 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion	Resp	Lower	Upper
49	428511		
49	100		
129	2.4	0.0	4.8
130	99.6	79.1	118.7





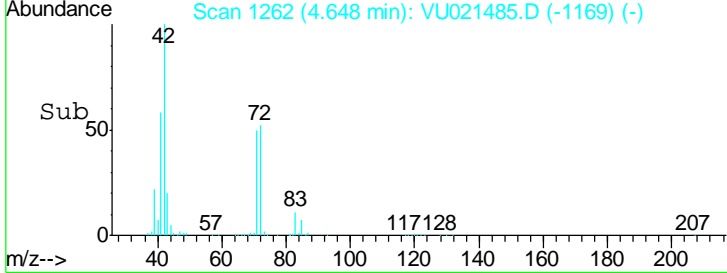
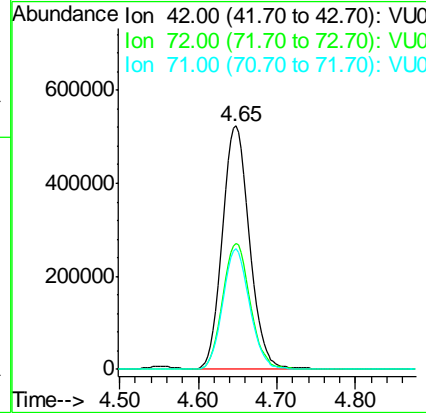
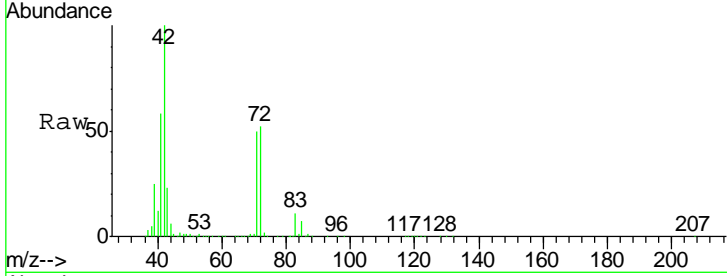
#29
 Tetrahydrofuran
 Concen: 267.26 ug/l
 RT: 4.65 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion: 42 Resp: 1240771

Ion	Ratio	Lower	Upper
42	100		
72	52.5	42.0	63.0
71	49.3	39.4	59.2

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

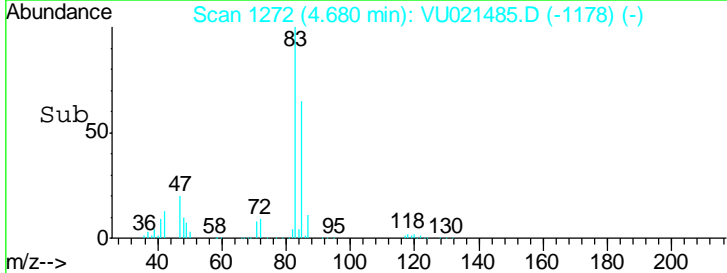
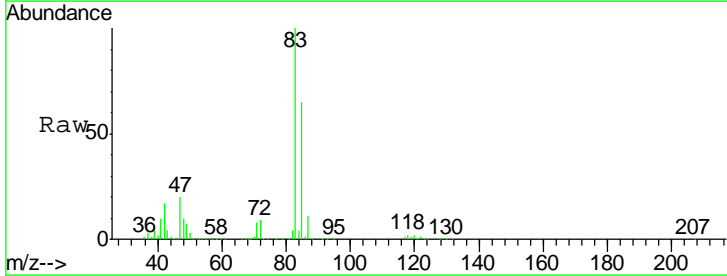
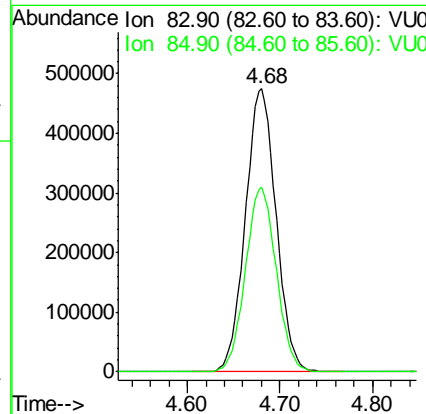
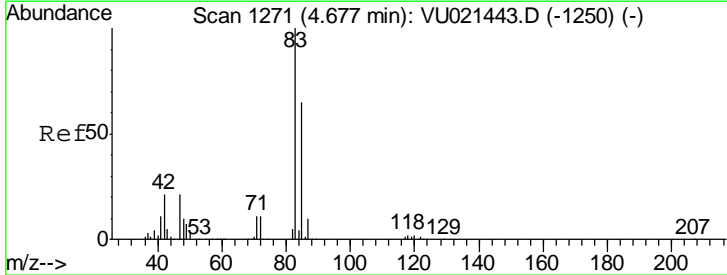
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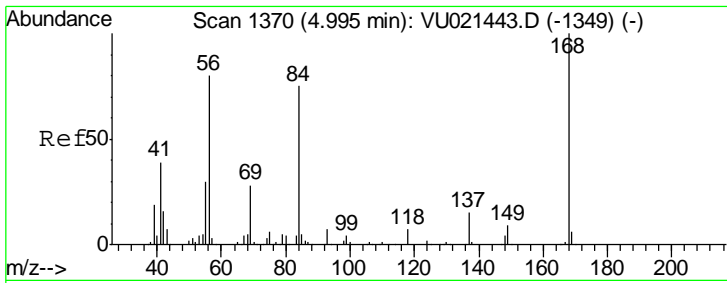


#30
 Chloroform
 Concen: 54.54 ug/l
 RT: 4.68 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion: 83 Resp: 1090449

Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.1	78.1



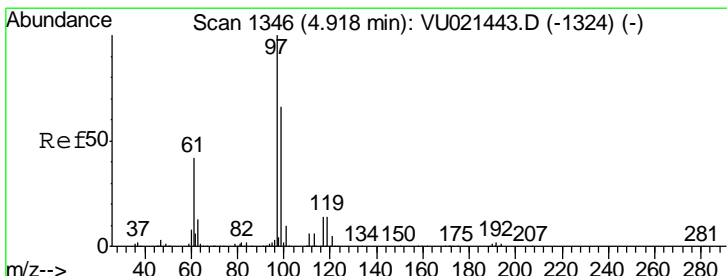
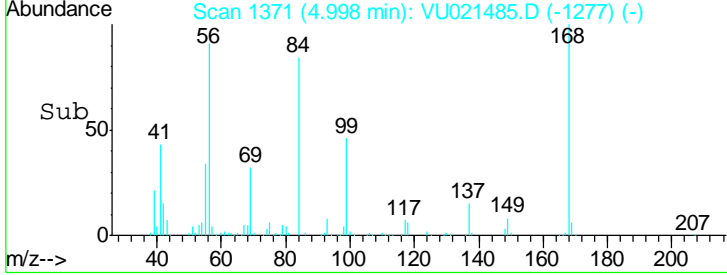
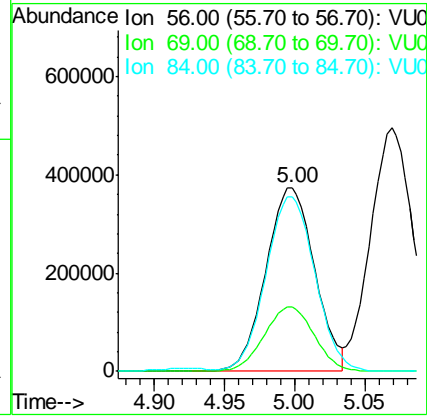
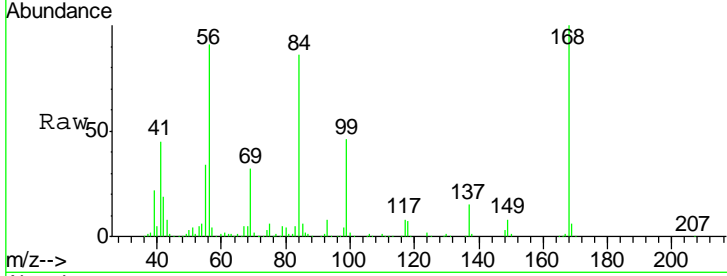


#31
 Cyclohexane
 Concen: 52.80 ug/l
 RT: 5.00 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MS

Tgt Ion	Resp	Lower	Upper
56	100		
69	35.0	28.3	42.5
84	93.2	75.6	113.4

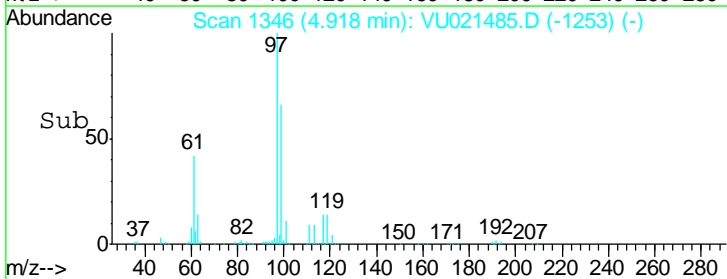
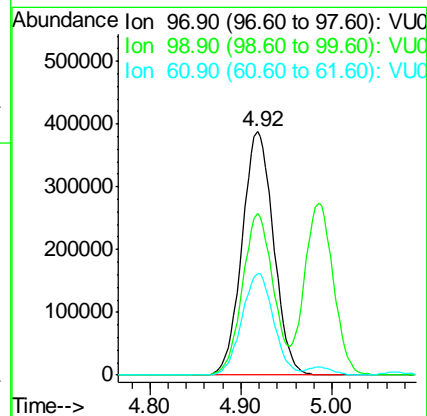
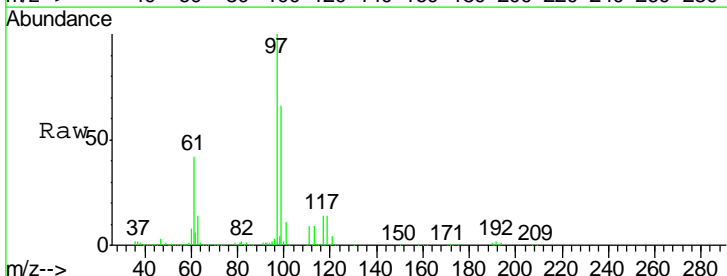
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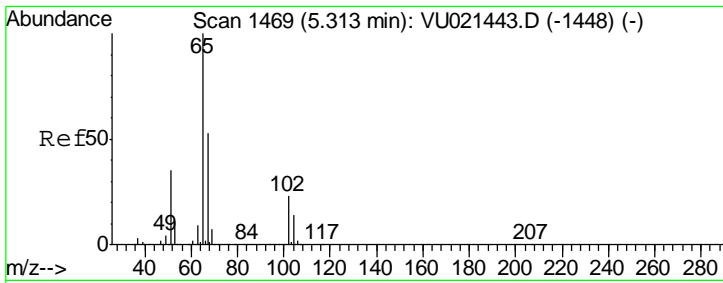


#32
 1,1,1-Trichloroethane
 Concen: 53.19 ug/l
 RT: 4.92 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MS

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	42.0	33.1	49.7



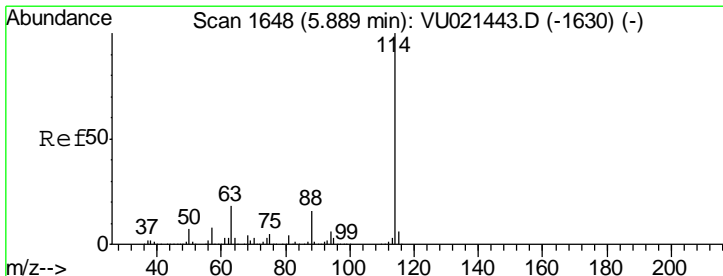
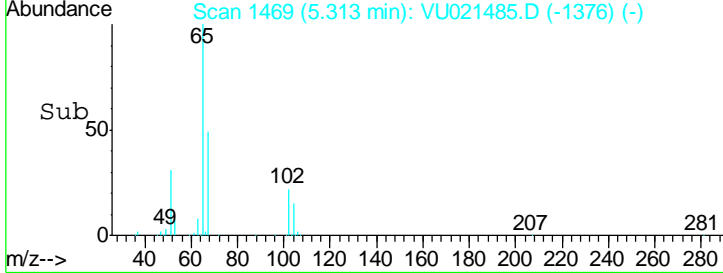
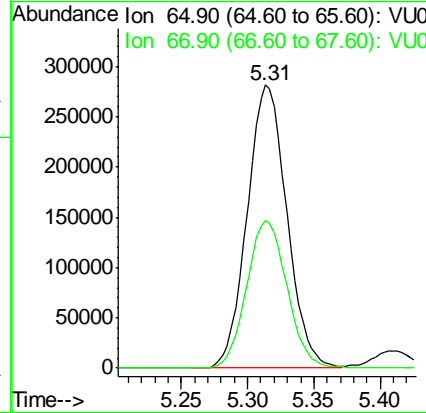
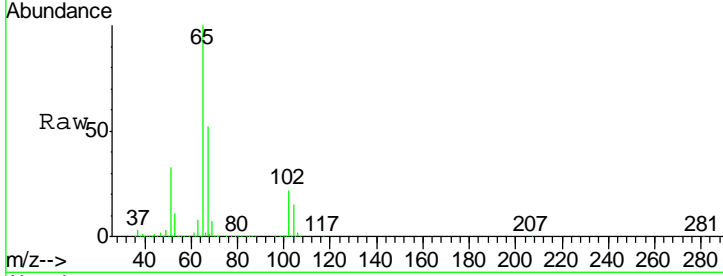


#33
 1,2-Dichloroethane-d4
 Concen: 55.65 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.3	0.0	106.6

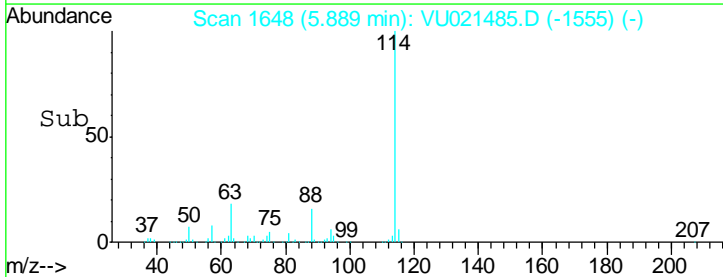
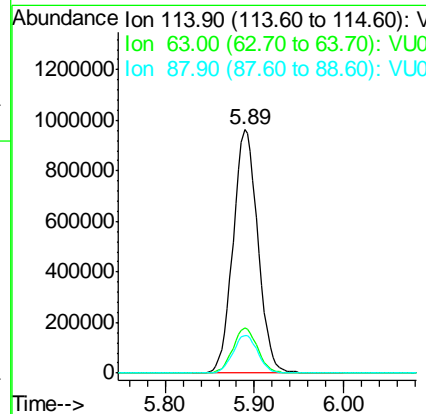
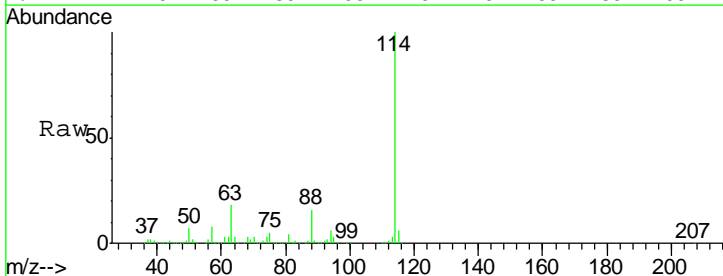
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

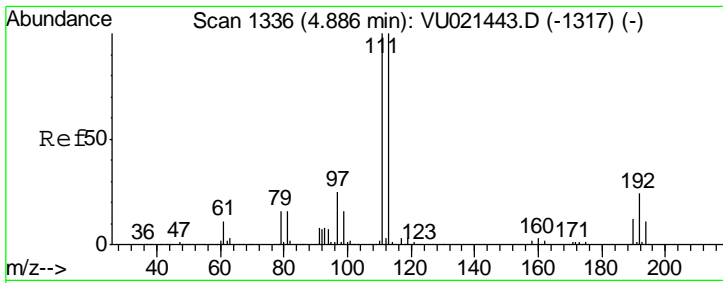
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

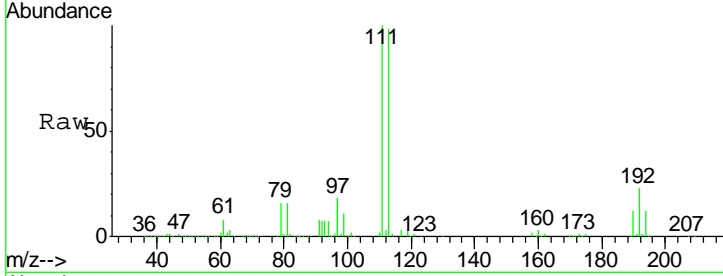
Tgt Ion	Resp	Lower	Upper
114	100		
63	18.3	0.0	36.6
88	15.6	0.0	31.2





#35
 Dibromofluoromethane
 Concen: 52.28 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

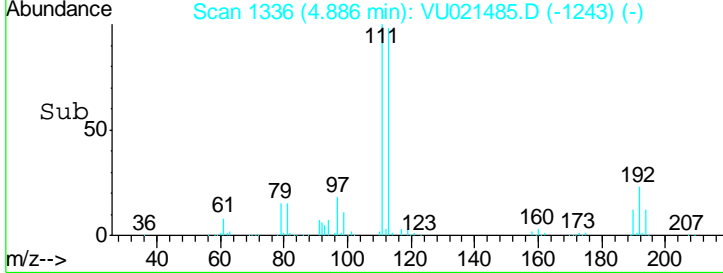
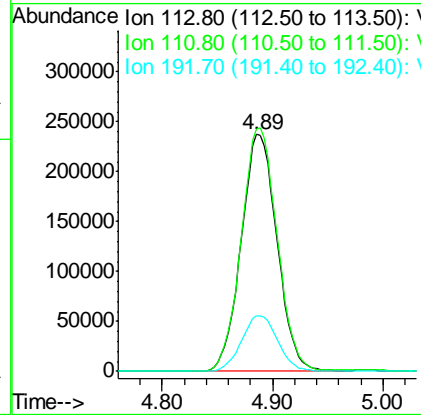
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



Tgt Ion: 113 Resp: 535347

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	23.8	19.0	28.4

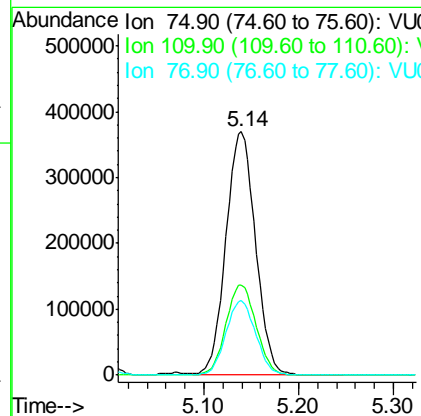
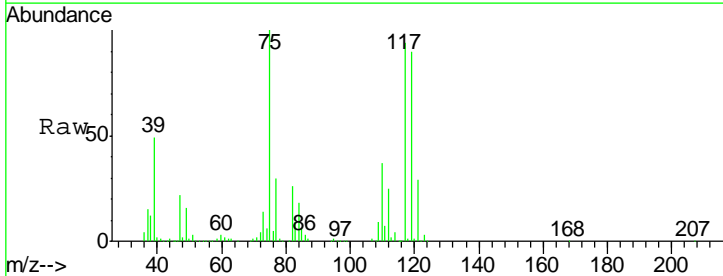
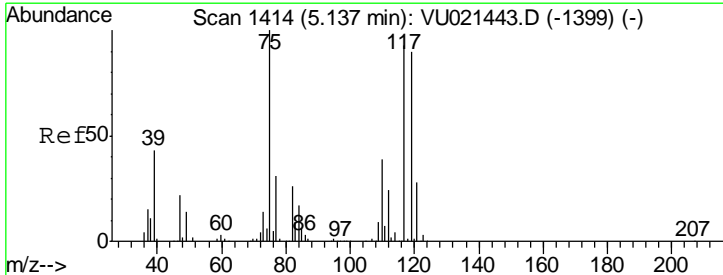
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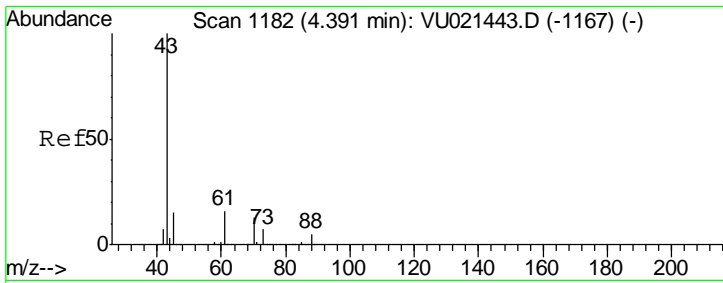


#36
 1,1-Dichloropropene
 Concen: 50.72 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion: 75 Resp: 802106

Ion	Ratio	Lower	Upper
75	100		
110	37.9	19.3	57.9
77	30.7	24.9	37.3





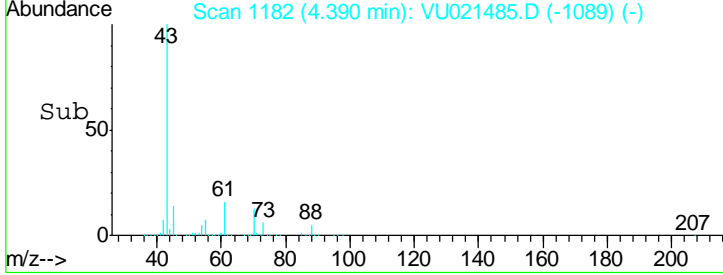
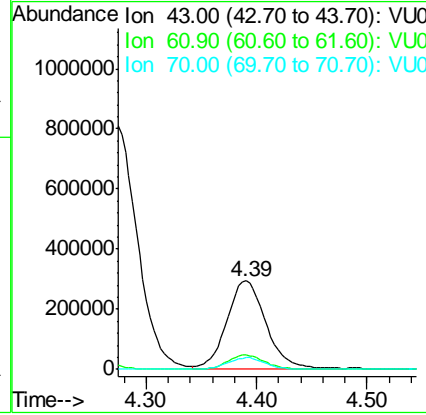
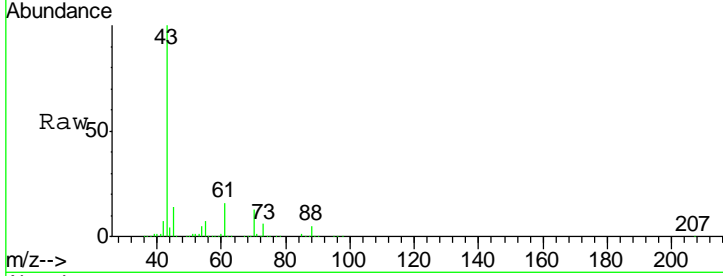
#37
Ethyl Acetate
Concen: 50.91 ug/l
RT: 4.39 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU021485.D
Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
ClientSampled : 918-MW-07(22.5)MS

Tgt Ion	Resp	Lower	Upper
43	712790		
61	15.1	12.2	18.2
70	12.5	10.2	15.4

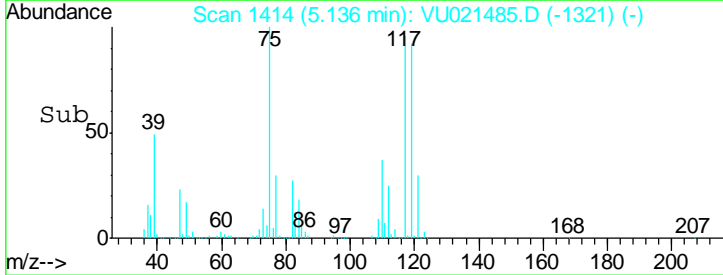
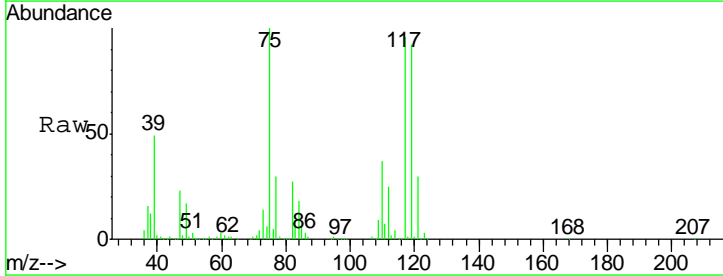
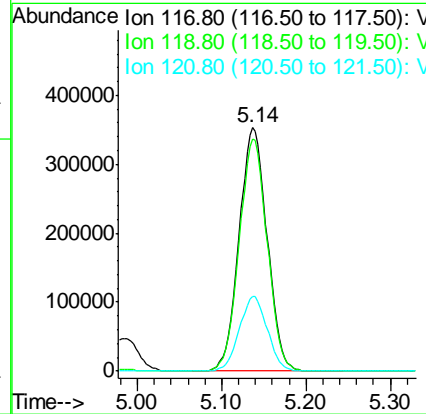
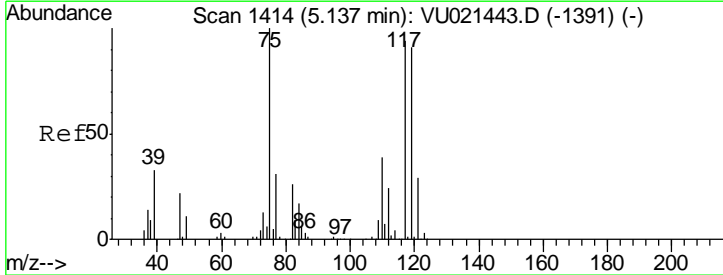
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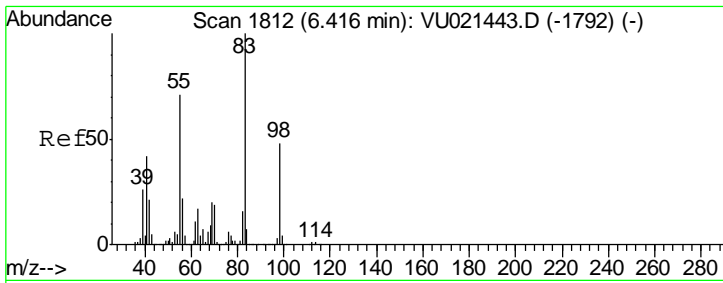
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#38
Carbon Tetrachloride
Concen: 52.52 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU021485.D
Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
117	814489		
119	95.3	77.1	115.7
121	30.9	24.4	36.6



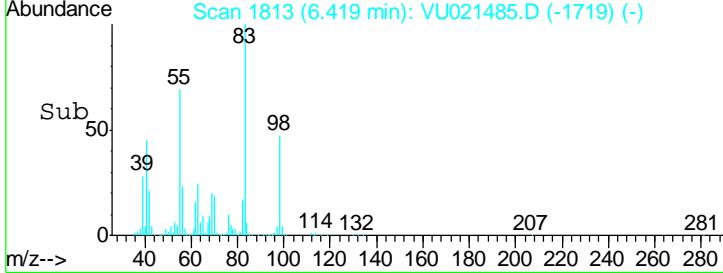
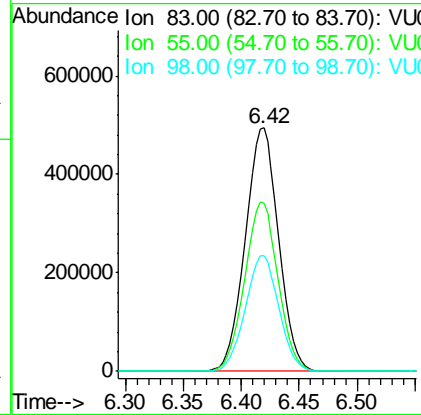
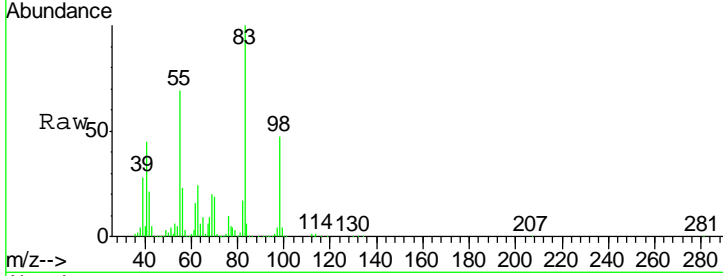


#39
 Methylcyclohexane
 Concen: 50.01 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
83	100		
55	69.2	56.8	85.2
98	47.4	38.1	57.1

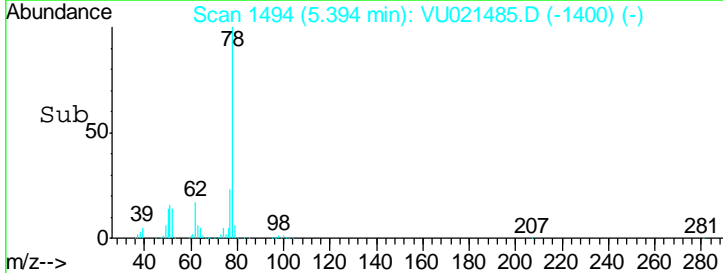
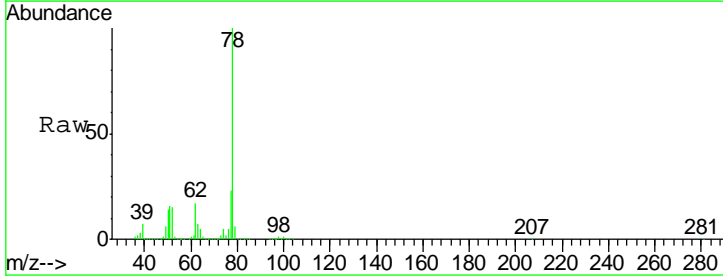
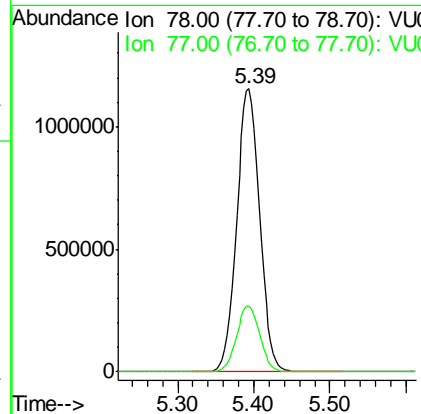
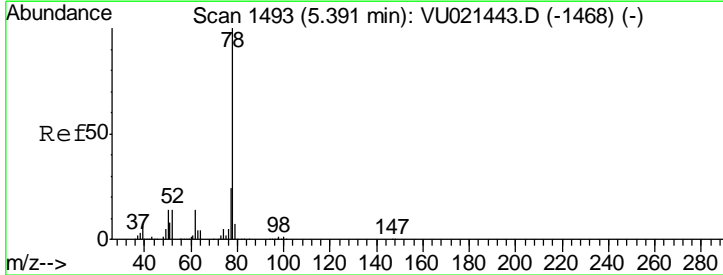
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

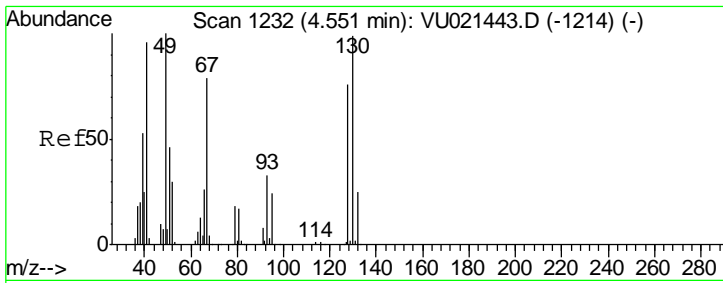
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#40
 Benzene
 Concen: 52.22 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

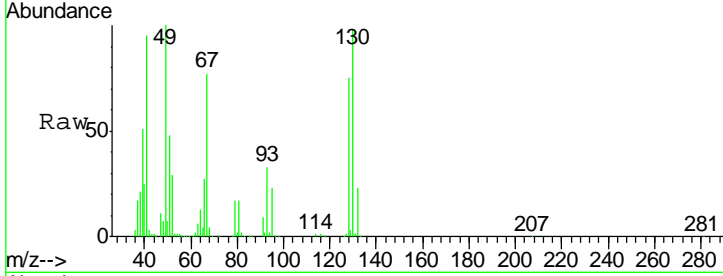
Tgt Ion	Resp	Lower	Upper
78	100		
77	23.3	18.9	28.3





#41
 Methacrylonitrile
 Concen: 54.76 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

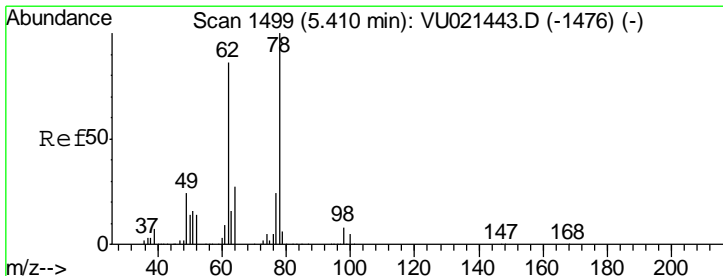
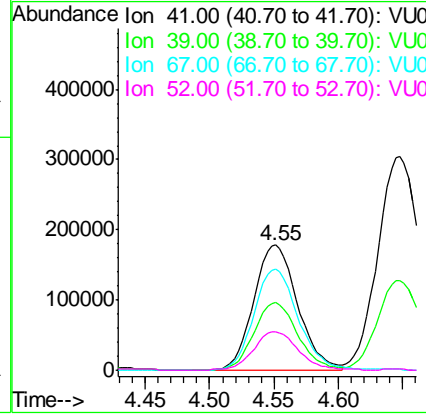
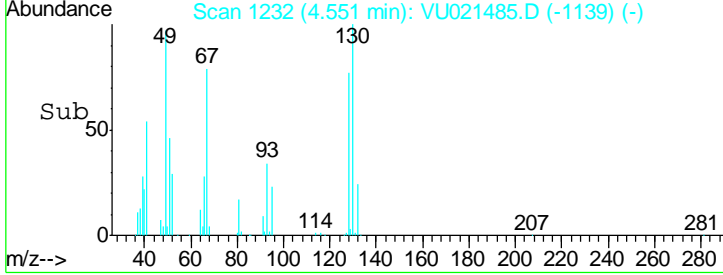
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



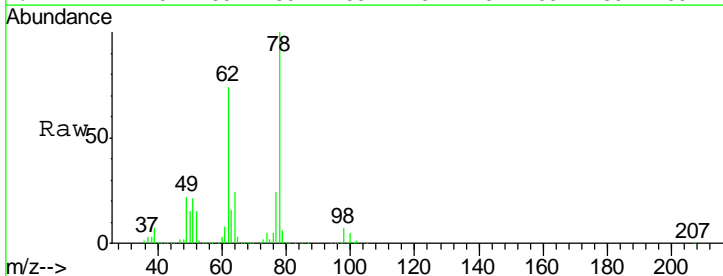
Tgt Ion: 41 Resp: 420451

Ion	Ratio	Lower	Upper
41	100		
39	53.5	44.3	66.5
67	82.2	67.2	100.8
52	30.6	25.0	37.6

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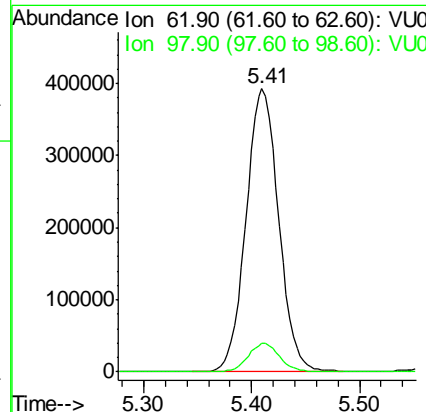
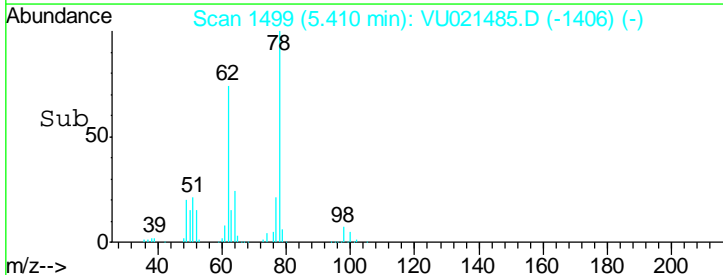


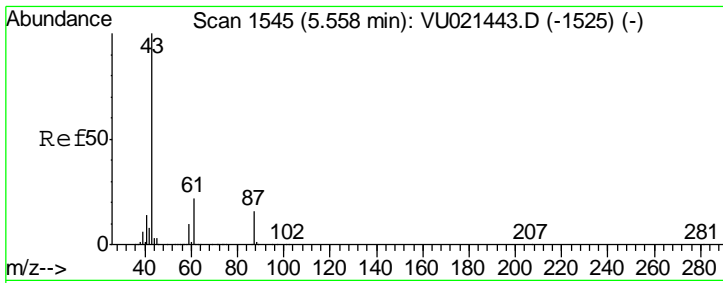
#42
 1,2-Dichloroethane
 Concen: 52.37 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 62 Resp: 826922

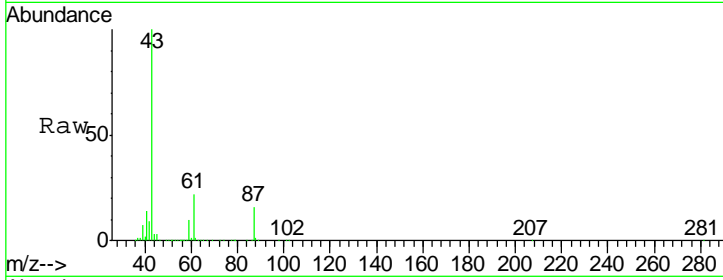
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6





#43
 Isopropyl Acetate
 Concen: 50.76 ug/l
 RT: 5.55 min Scan# 1544
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

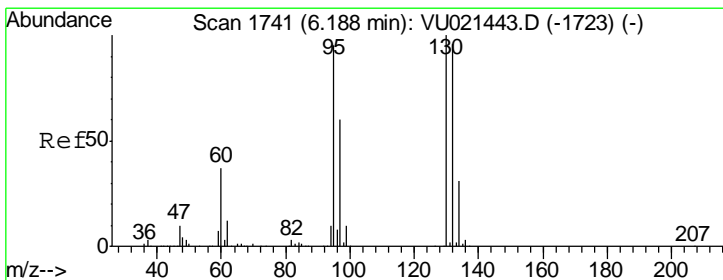
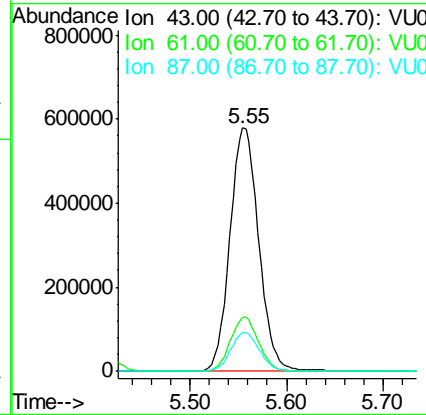
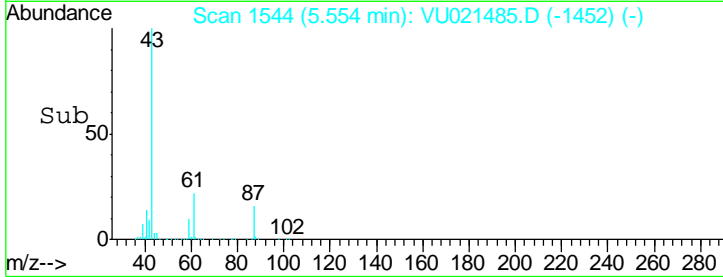
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



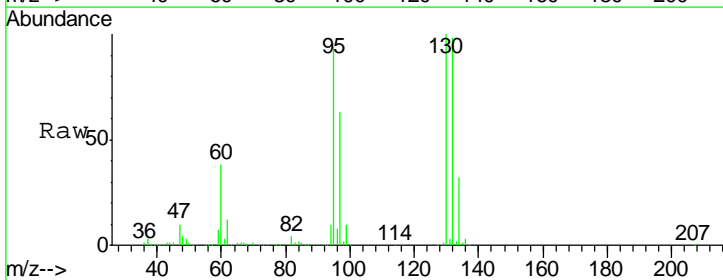
Tgt Ion: 43 Resp: 1188010

Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.8	26.6
87	16.1	12.8	19.2

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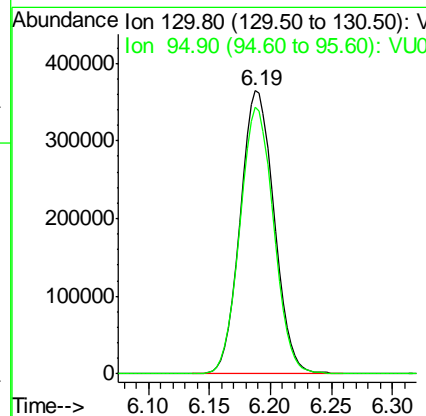
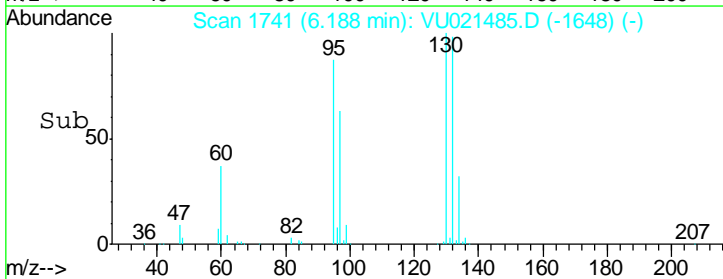


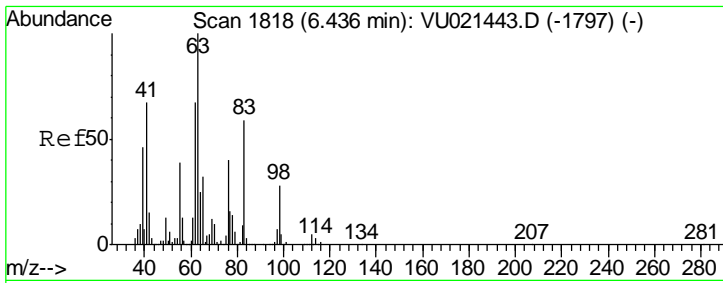
#44
 Trichloroethene
 Concen: 49.91 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 130 Resp: 699949

Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	189.6



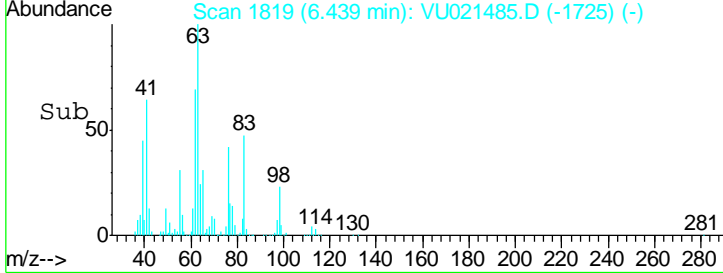
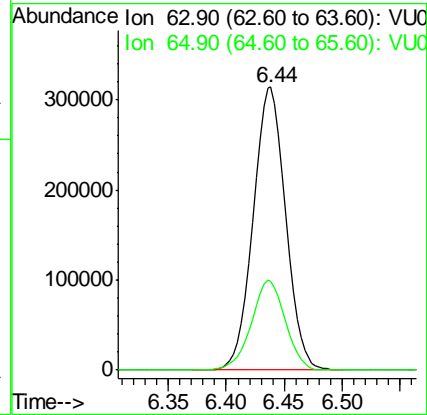
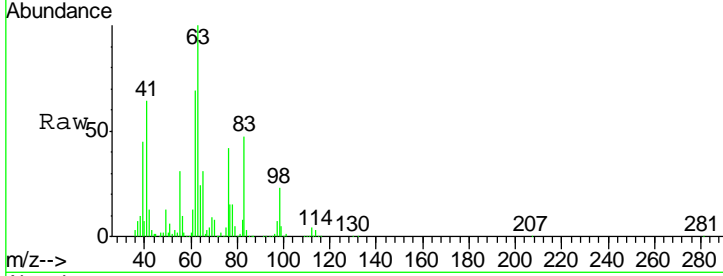


#45
 1,2-Dichloropropane
 Concen: 52.13 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

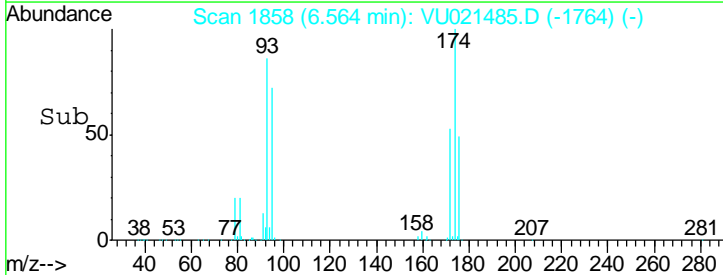
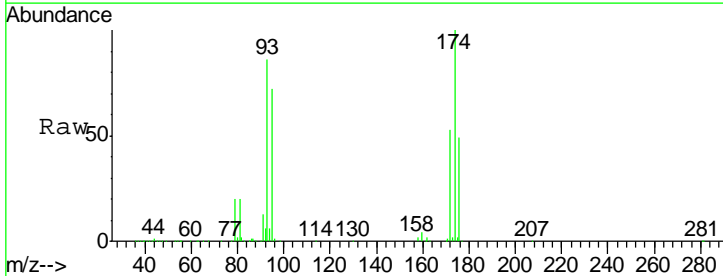
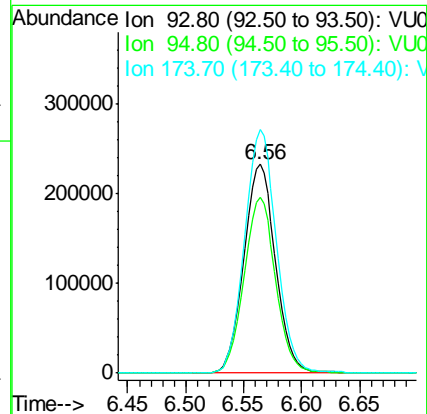
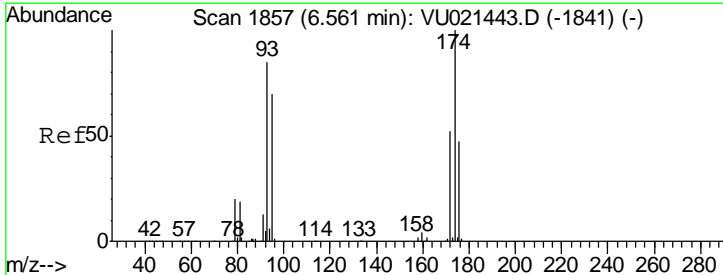
Tgt Ion	Resp	Lower	Upper
63	100		
65	31.3	25.8	38.6

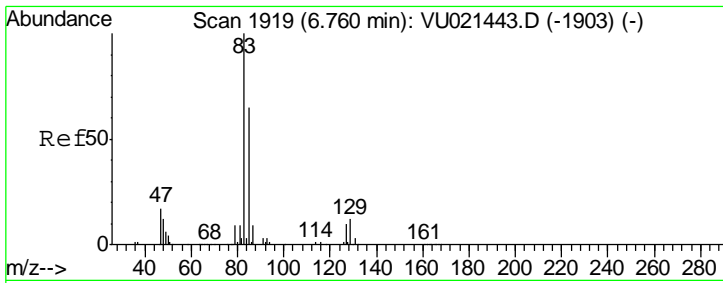
Manual Integrations APPROVED
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#46
 Dibromomethane
 Concen: 53.82 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.6	66.8	100.2
174	117.7	95.6	143.4



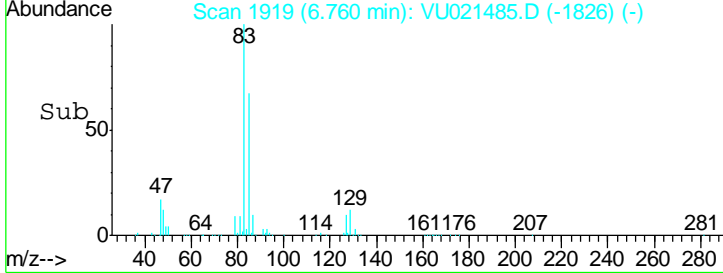
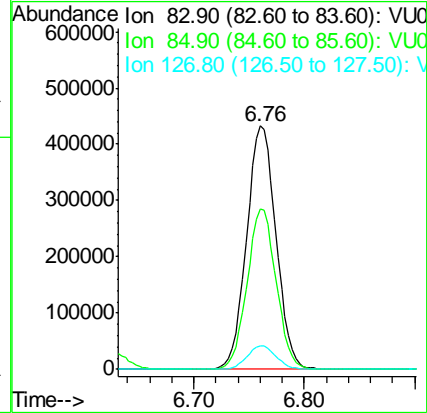
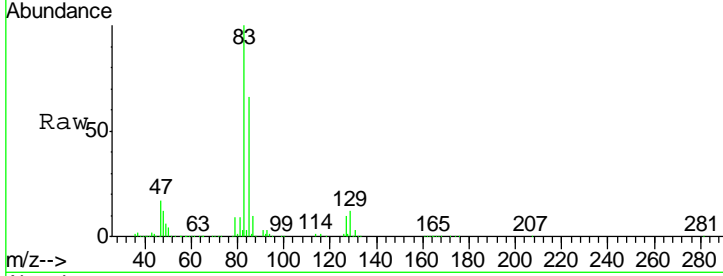


#47
 Bromodichloromethane
 Concen: 52.99 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
83	797805		
85	66.0	51.9	77.9
127	9.5	7.7	11.5

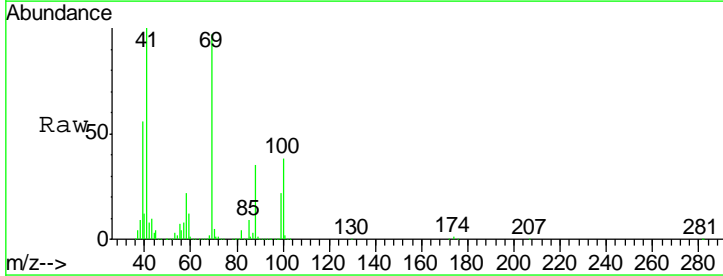
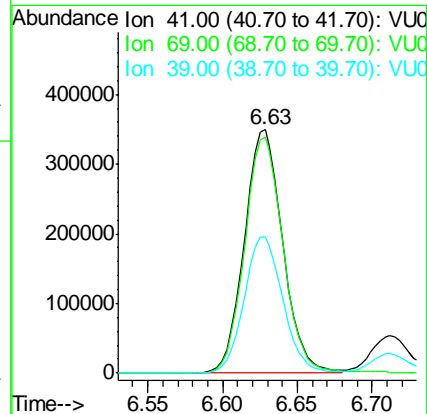
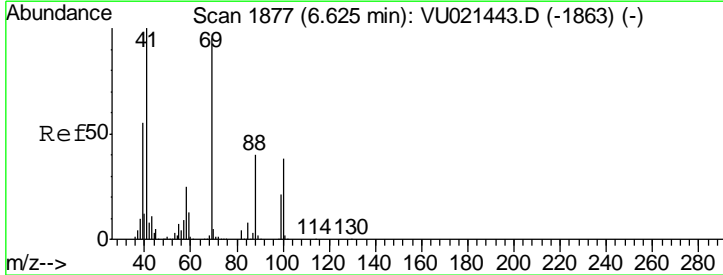
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

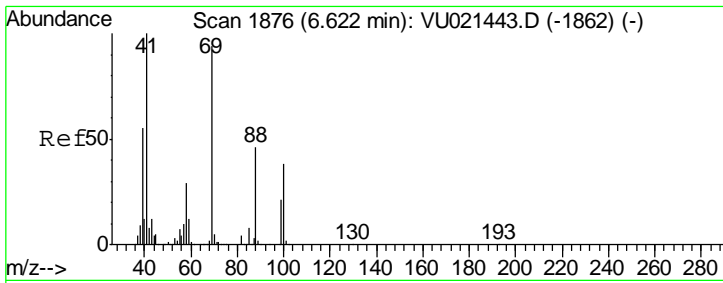
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#48
 Methyl methacrylate
 Concen: 53.44 ug/l
 RT: 6.63 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

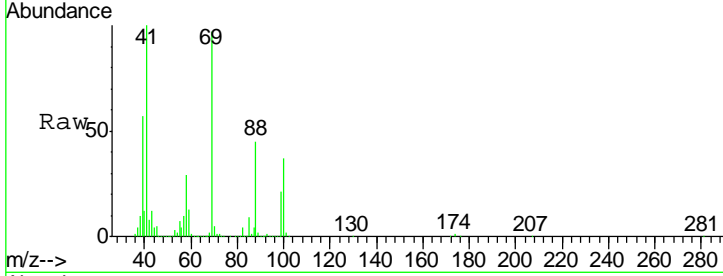
Tgt Ion	Resp	Lower	Upper
41	620884		
69	97.9	76.5	114.7
39	56.5	44.4	66.6





#49
 1,4-Dioxane
 Concen: 1063.29 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

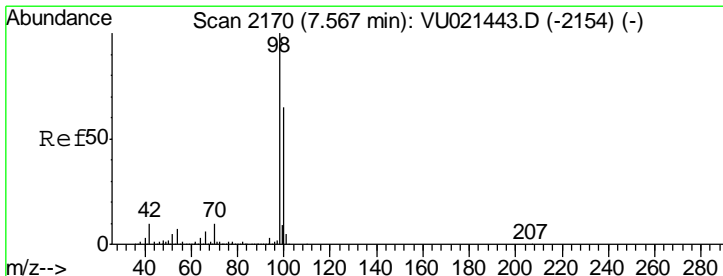
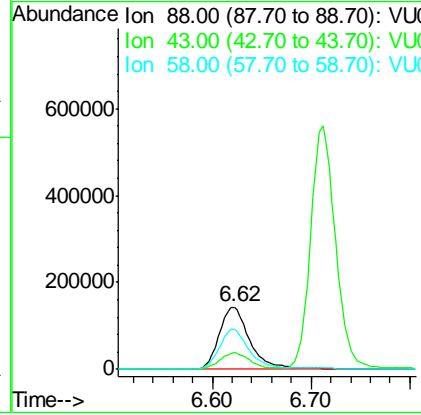
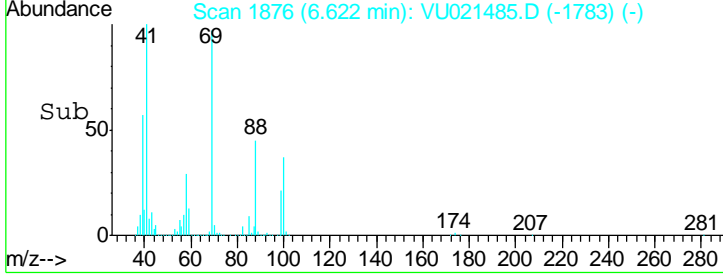
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



Tgt Ion: 88 Resp: 308206

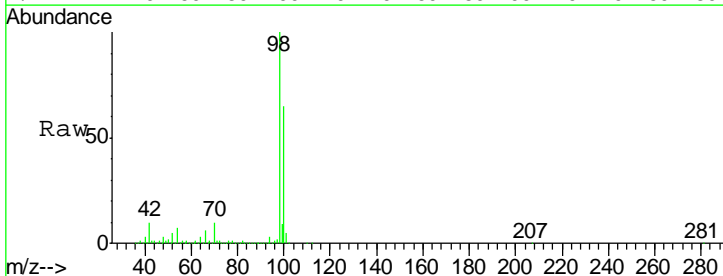
Ion	Ratio	Lower	Upper
88	100		
43	26.2	21.9	32.9
58	64.1	51.9	77.9

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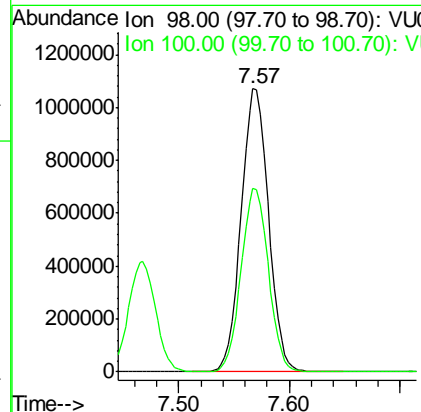
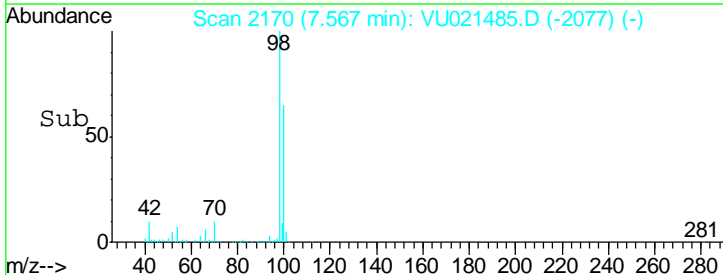
#50
 Toluene-d8
 Concen: 56.55 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

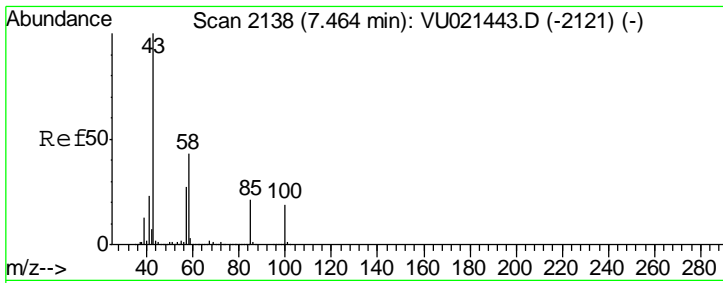
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



Tgt Ion: 98 Resp: 1845499

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.8



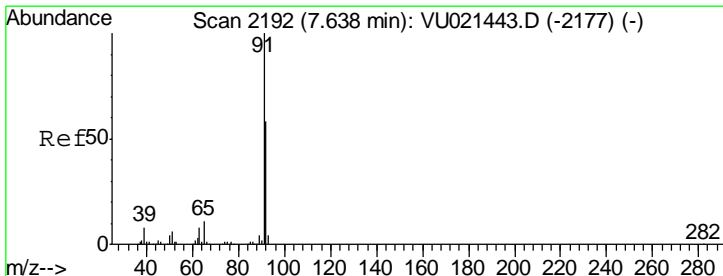
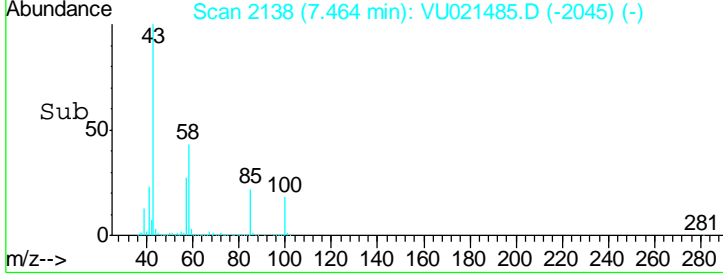
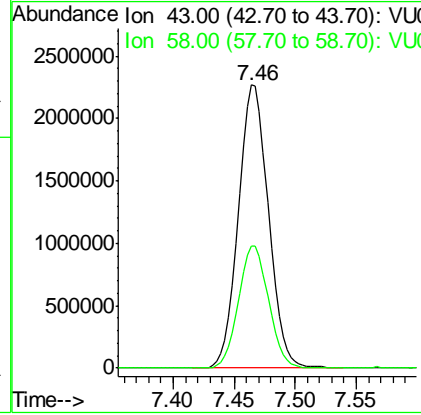
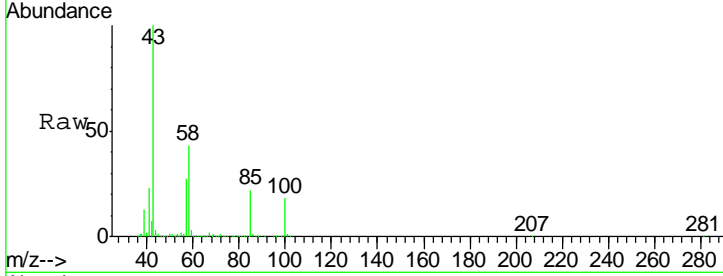


#51
 4-Methyl-2-Pentanone
 Concen: 270.31 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
43	100		
58	43.3	34.4	51.6

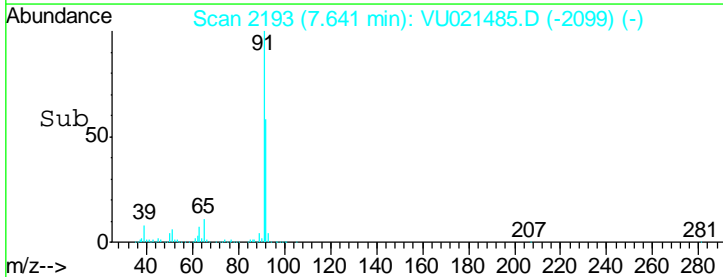
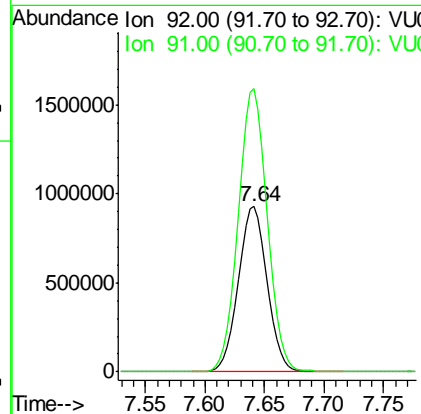
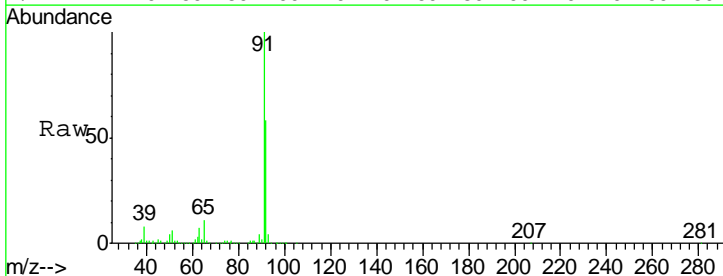
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

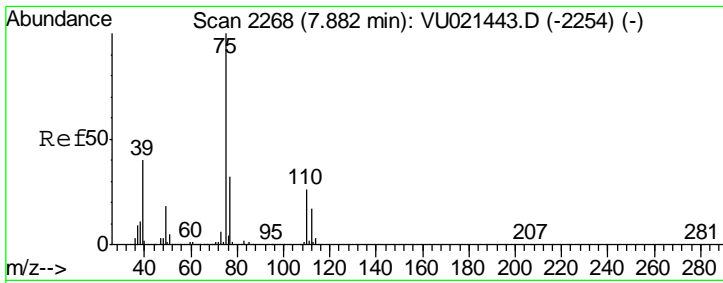
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#52
 Toluene
 Concen: 52.34 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
92	100		
91	173.4	138.3	207.5





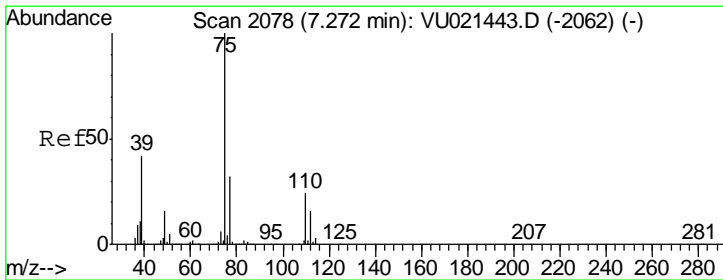
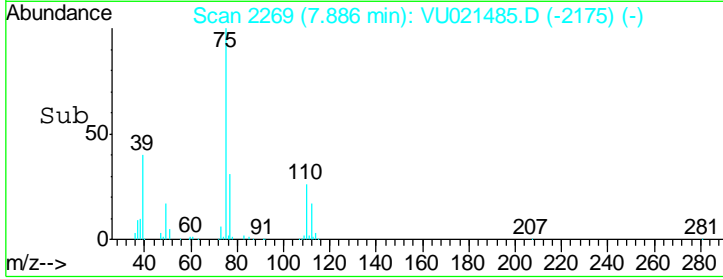
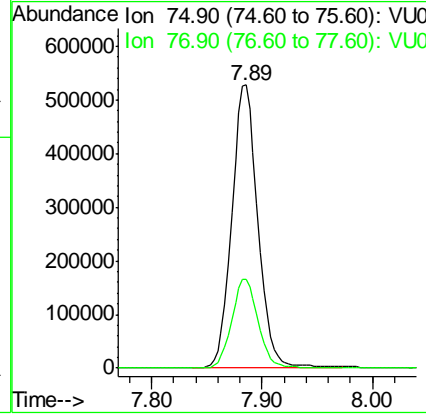
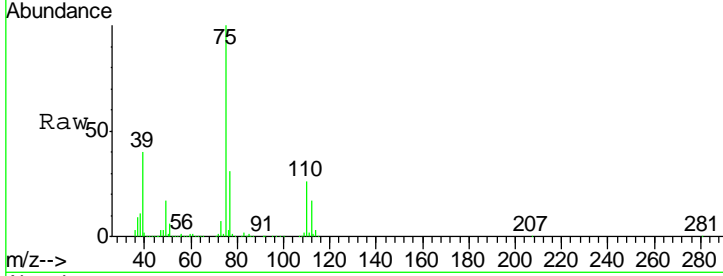
#53
 t-1,3-Dichloropropene
 Concen: 51.61 ug/l
 RT: 7.89 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.3	25.6	38.4

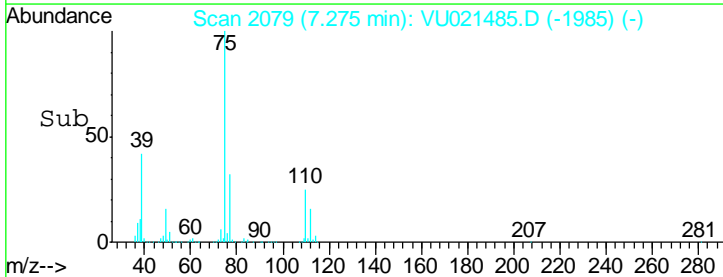
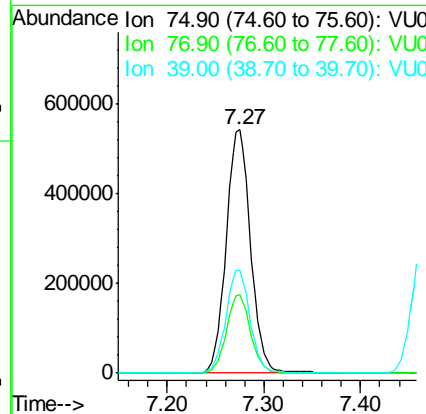
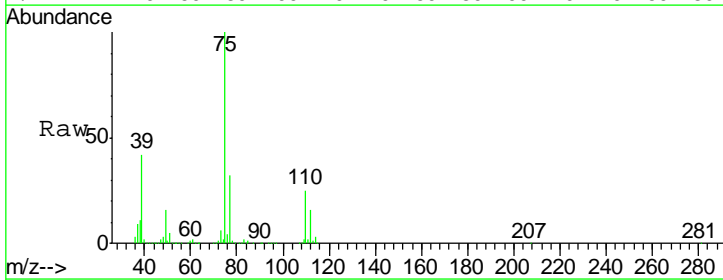
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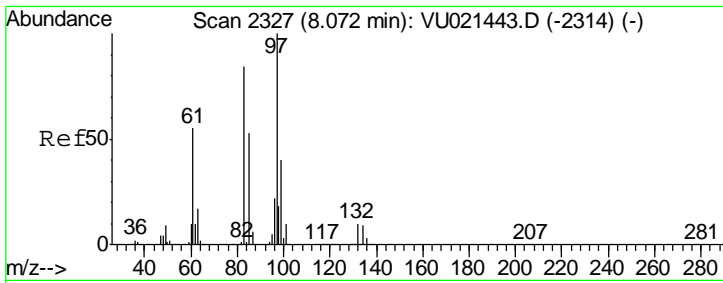
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#54
 cis-1,3-Dichloropropene
 Concen: 51.98 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

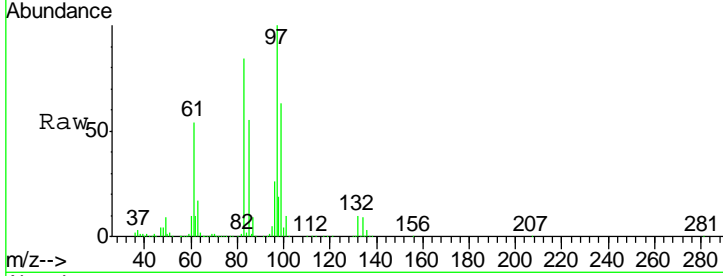
Tgt Ion	Resp	Lower	Upper
75	100		
77	32.3	25.5	38.3
39	42.2	33.8	50.6





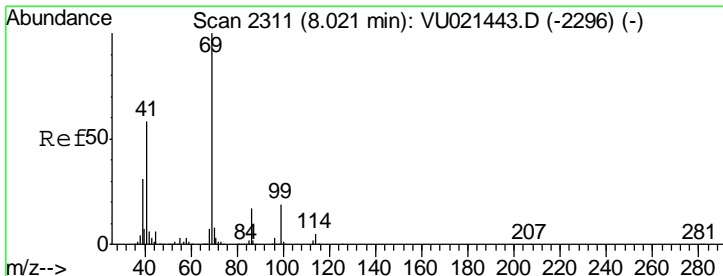
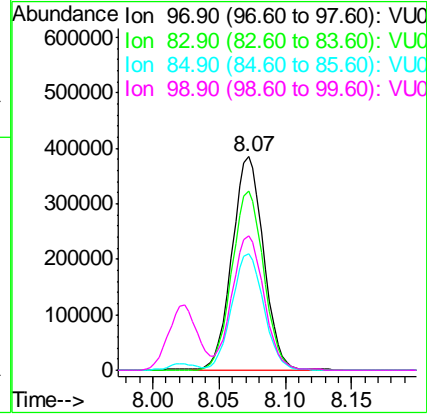
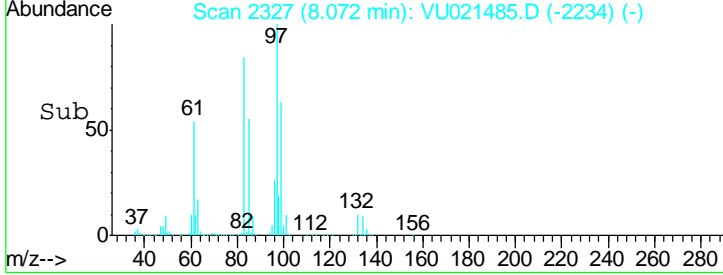
#55
 1,1,2-Trichloroethane
 Concen: 53.82 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 ClientSampleId : 918-MW-07(22.5)MS

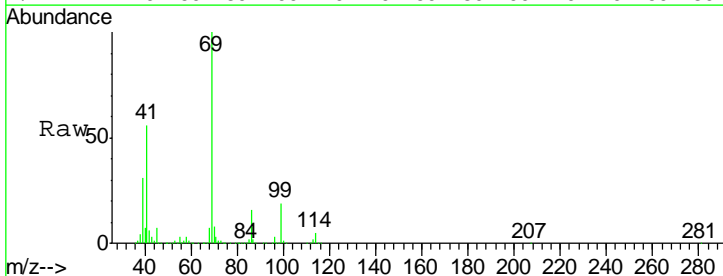


Tgt Ion	Resp	Lower	Upper
97	100		
83	83.9	67.1	100.7
85	54.7	43.6	65.4
99	62.9	50.1	75.1

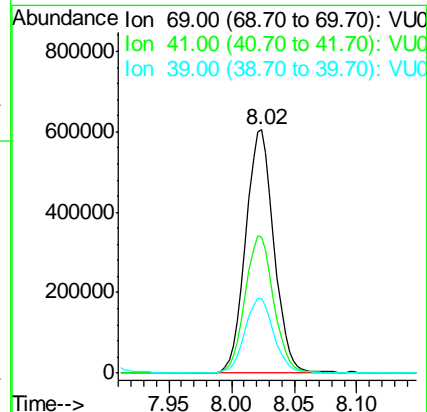
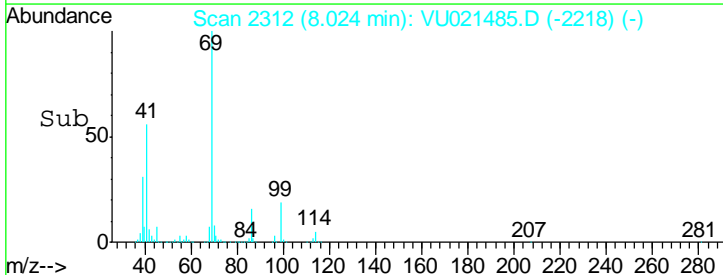
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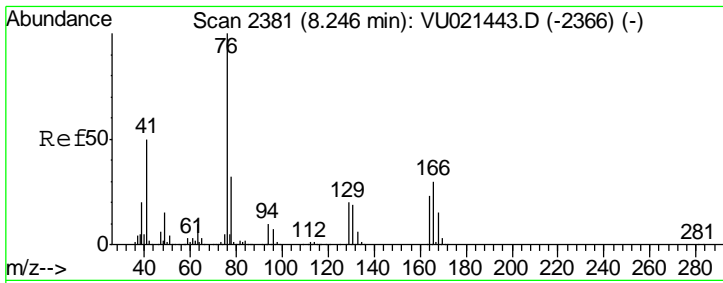


#56
 Ethyl methacrylate
 Concen: 53.71 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion	Resp	Lower	Upper
69	100		
41	57.0	46.4	69.6
39	31.0	24.7	37.1





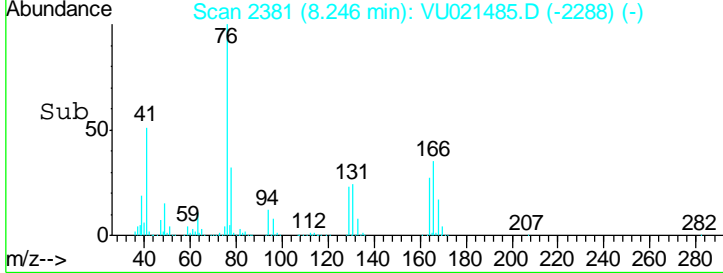
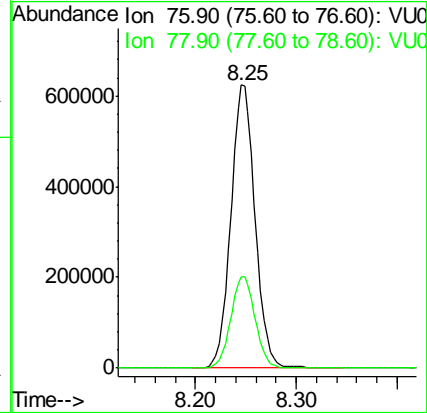
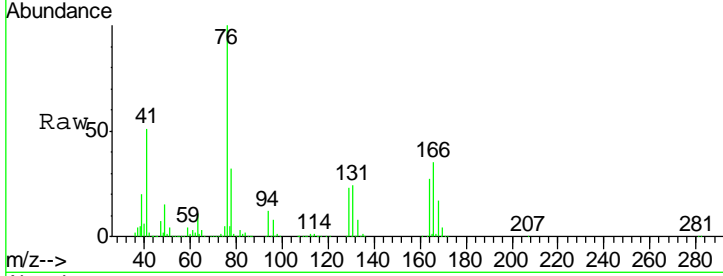
#57
 1,3-Dichloropropane
 Concen: 53.49 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion: 76 Resp: 1043361

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.6	38.4

Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MS

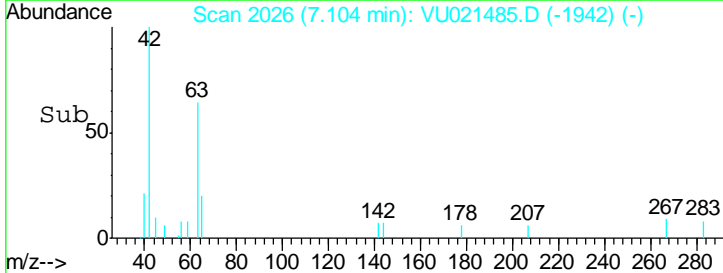
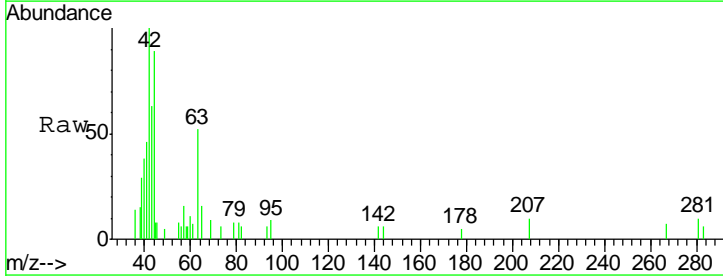
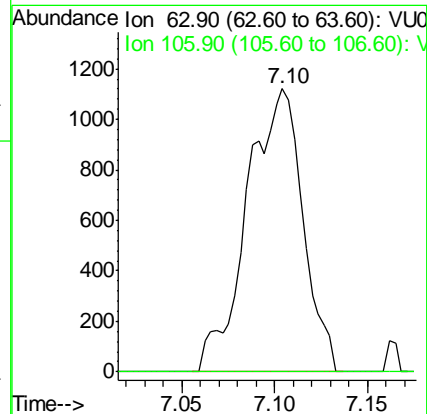
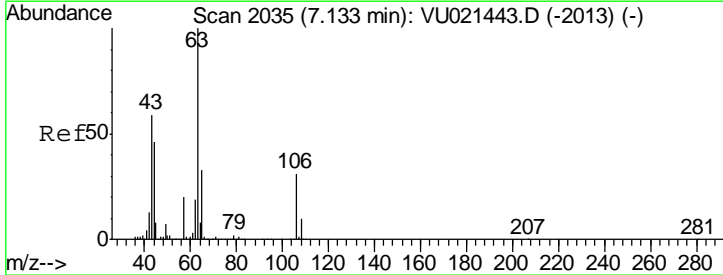
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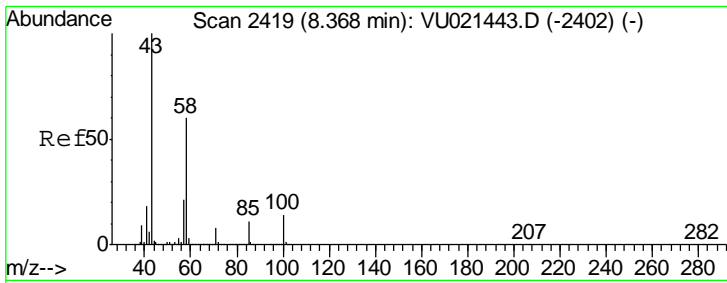


#58
 2-Chloroethyl Vinyl ether
 Concen: 0.35 ug/l
 RT: 7.10 min Scan# 2026
 Delta R.T. -0.03 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion: 63 Resp: 2346

Ion	Ratio	Lower	Upper
63	100		
106	0.0	24.6	36.8#





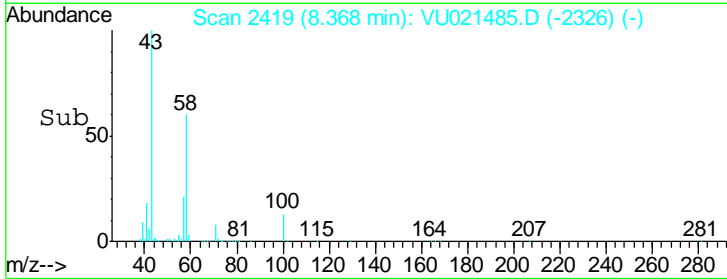
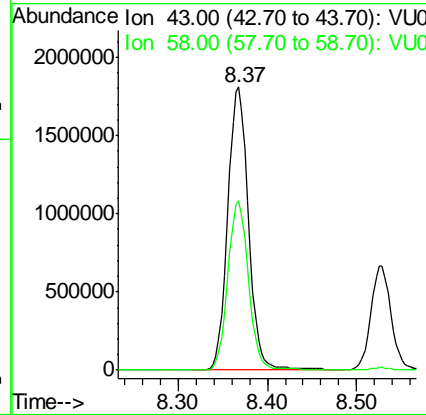
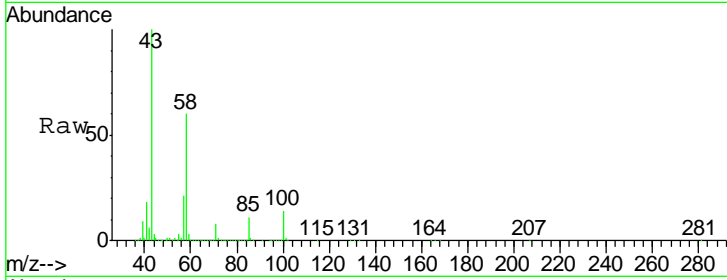
#59
 2-Hexanone
 Concen: 258.79 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion: 43 Resp: 2915853

Ion	Ratio	Lower	Upper
43	100		
58	59.7	29.8	89.4

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

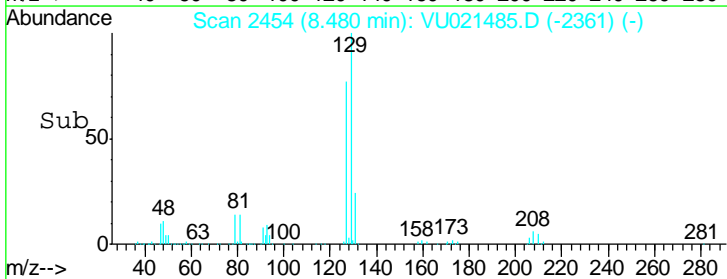
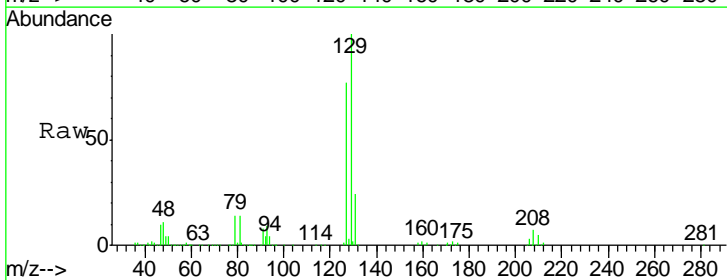
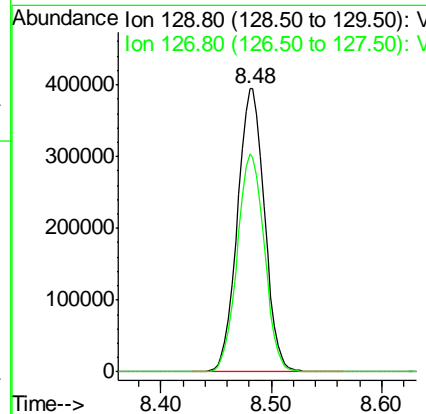
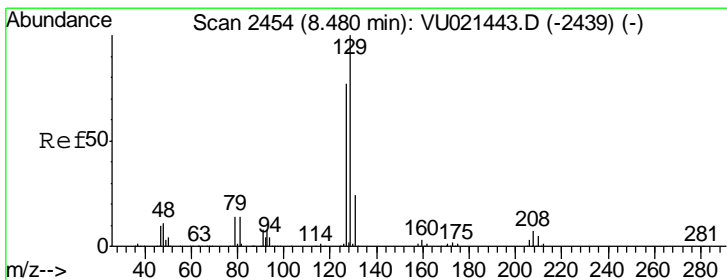
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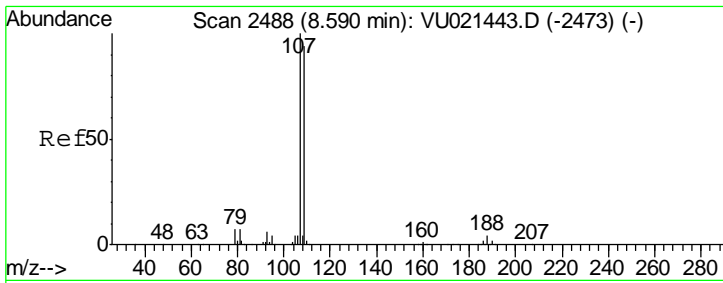


#60
 Dibromochloromethane
 Concen: 53.96 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion: 129 Resp: 671472

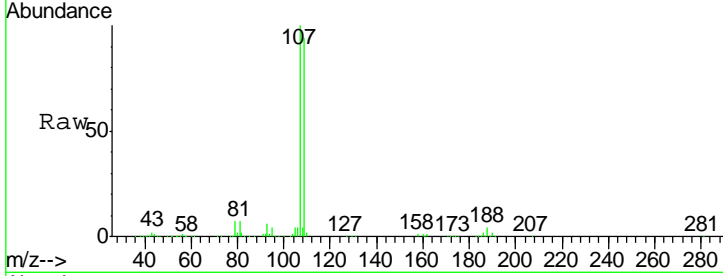
Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.2	114.6





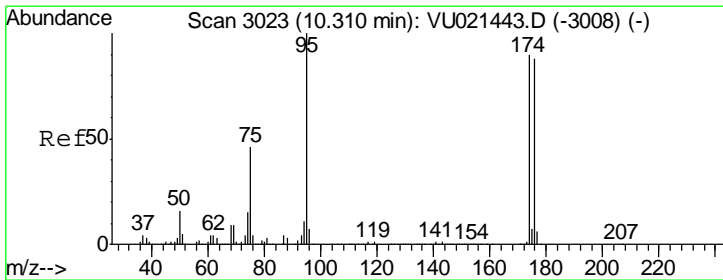
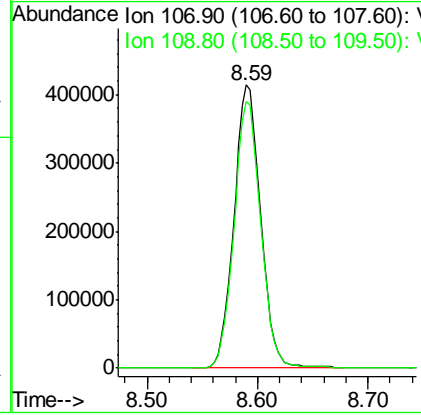
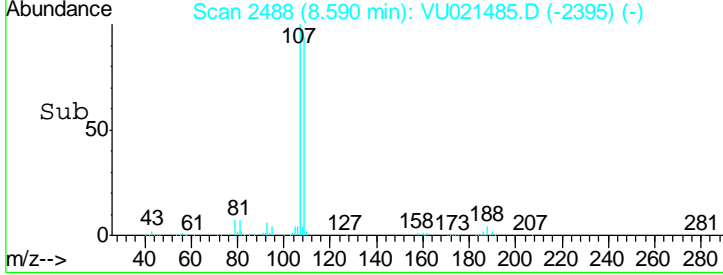
#61
 1,2-Dibromoethane
 Concen: 53.64 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

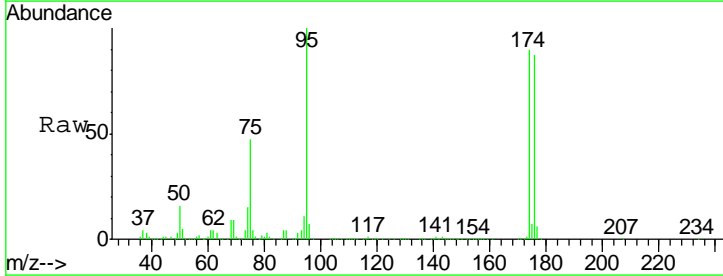


Tgt Ion: 107 Resp: 694349
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.7 112.1

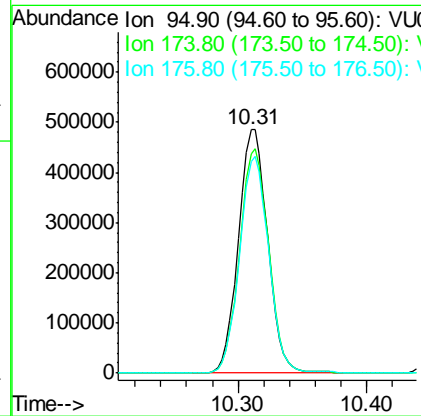
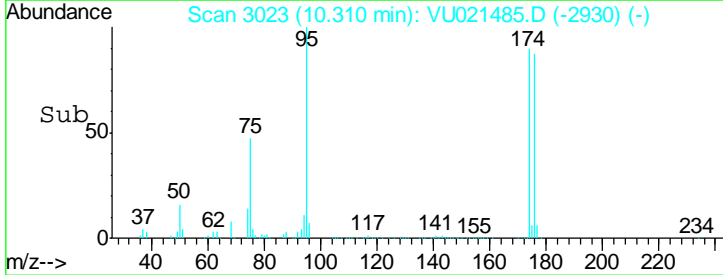
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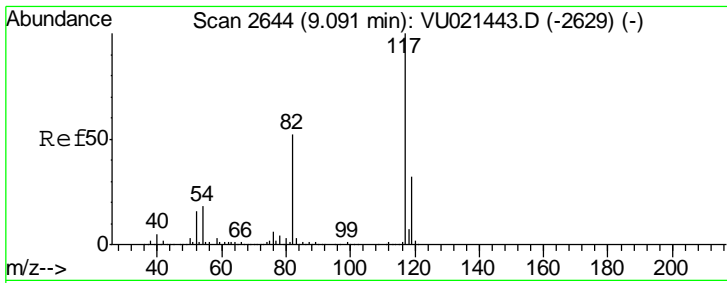


#62
 4-Bromofluorobenzene
 Concen: 50.40 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



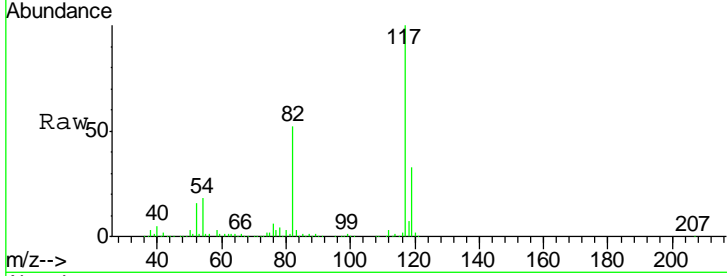
Tgt Ion: 95 Resp: 766467
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 182.6
 176 88.8 0.0 178.8





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

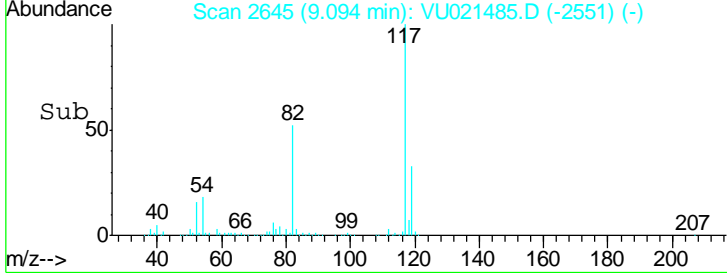
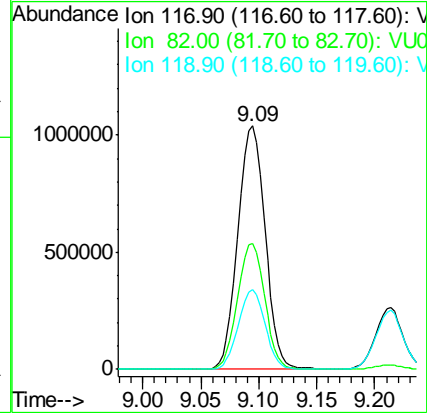
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



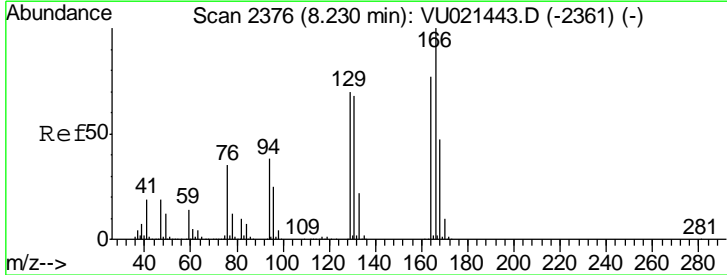
Tgt Ion: 117 Resp: 1696303

Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.4	62.0
119	32.7	25.7	38.5

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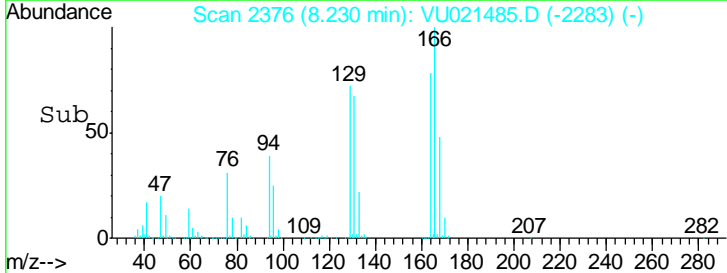
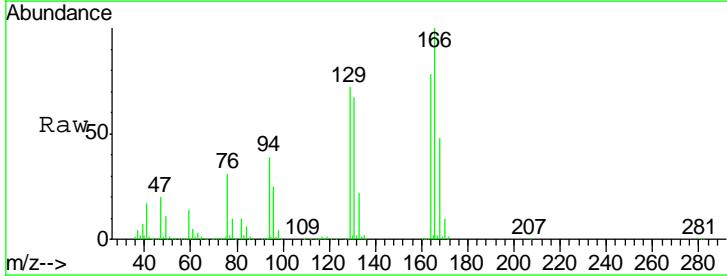
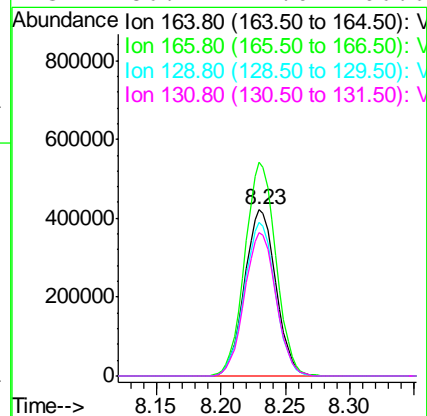


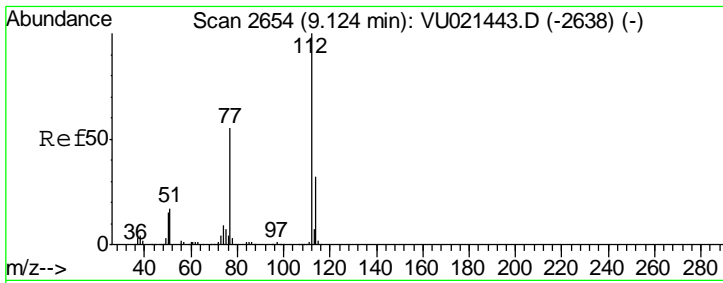
#64
 Tetrachloroethene
 Concen: 53.34 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 164 Resp: 711491

Ion	Ratio	Lower	Upper
164	100		
166	128.7	104.1	156.1
129	92.6	73.2	109.8
131	86.1	71.0	106.6





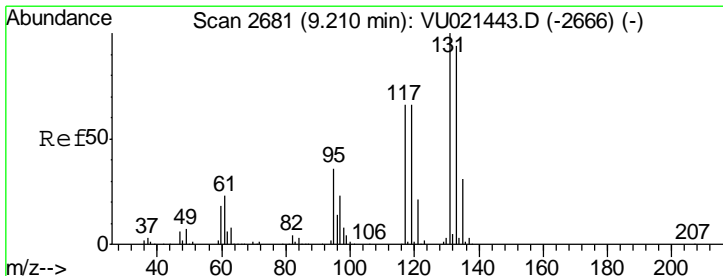
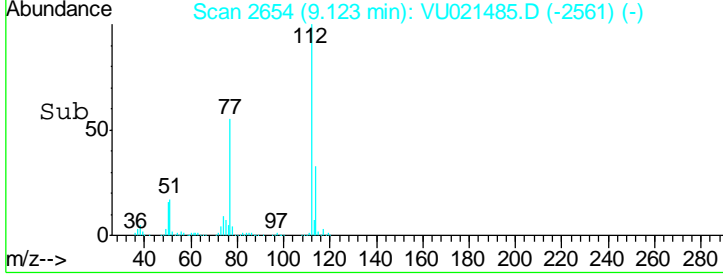
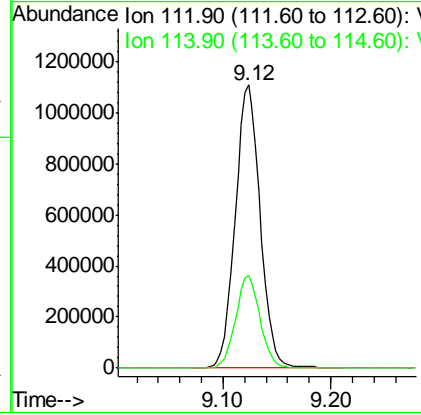
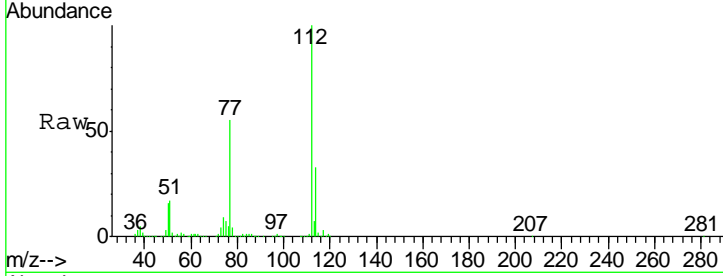
#65
 Chlorobenzene
 Concen: 51.16 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MS

Tgt Ion: 112 Resp: 1785273

Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.9	38.9

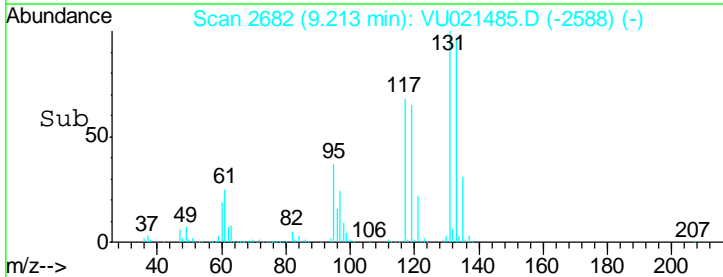
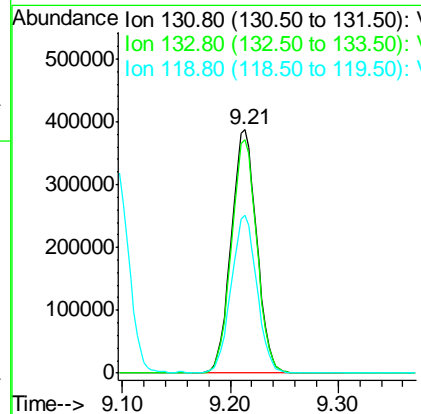
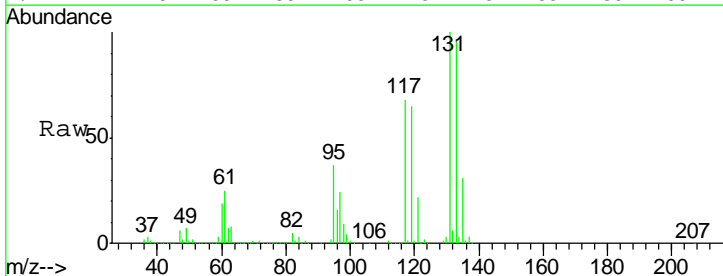
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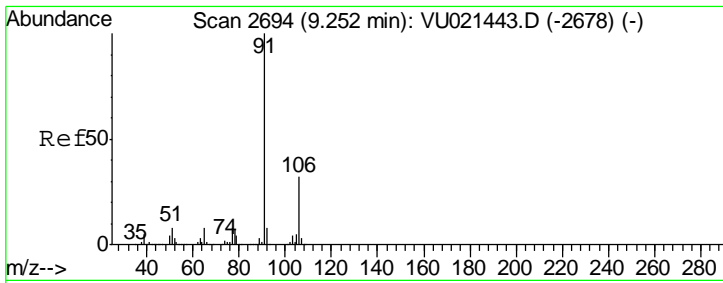


#66
 1,1,1,2-Tetrachloroethane
 Concen: 53.27 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion: 131 Resp: 635786

Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.1	144.3
119	65.2	33.0	98.9





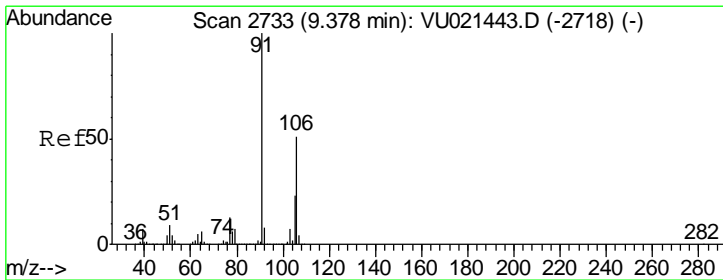
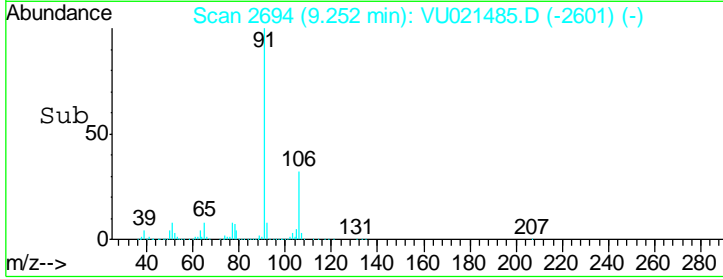
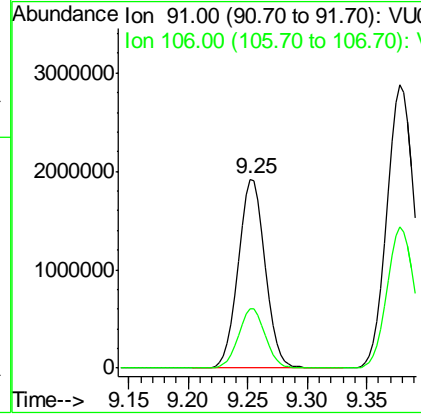
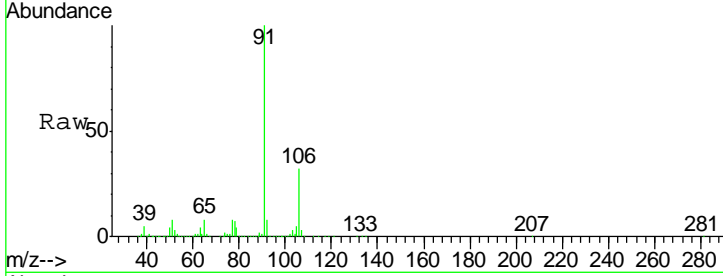
#67
 Ethyl Benzene
 Concen: 52.14 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MS

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.5	25.4	38.2

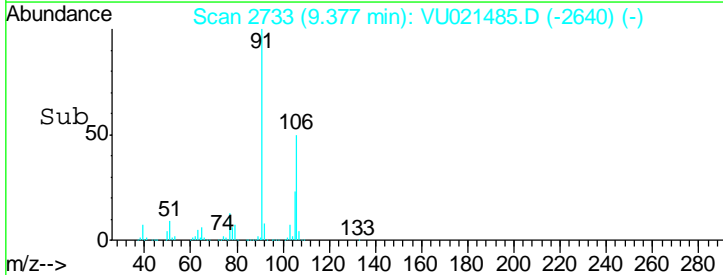
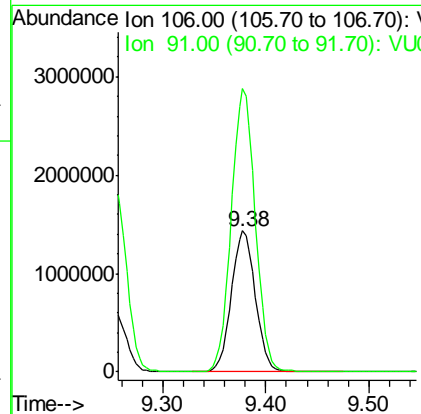
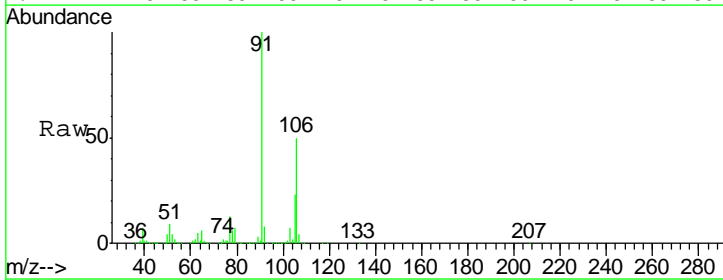
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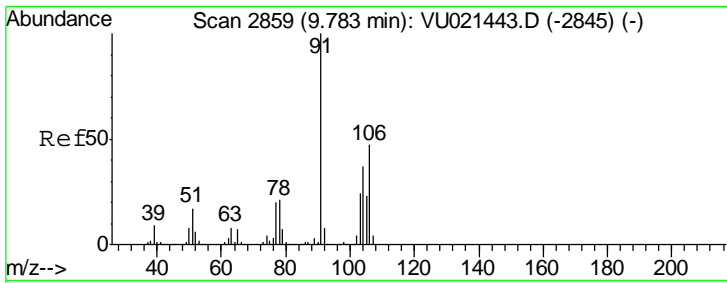
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#68
 m/p-Xylenes
 Concen: 103.41 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion	Resp	Lower	Upper
106	100		
91	200.5	159.4	239.0



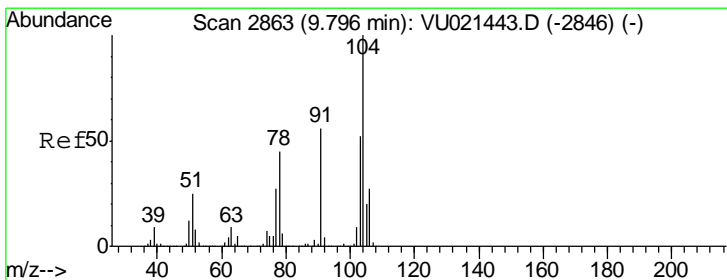
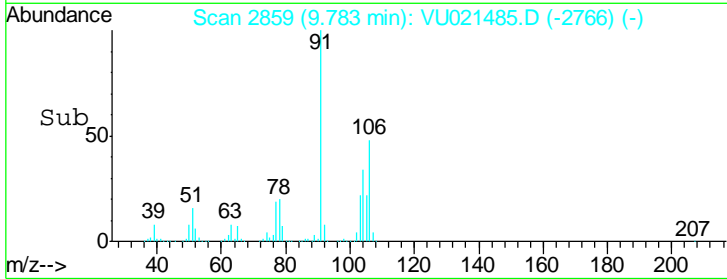
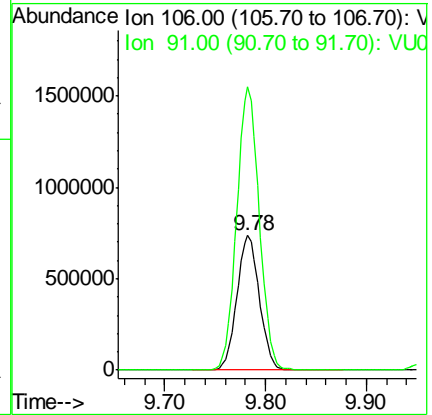
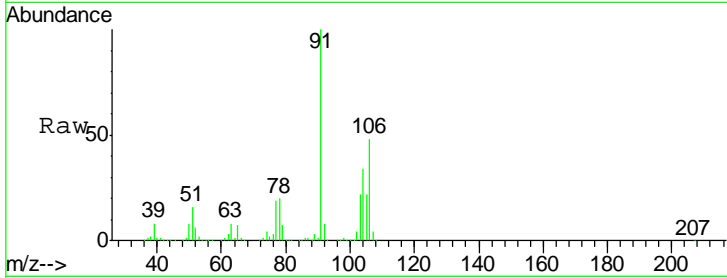


#69
 o-Xylene
 Concen: 53.14 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

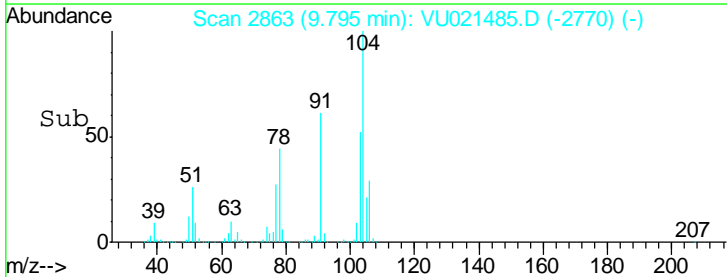
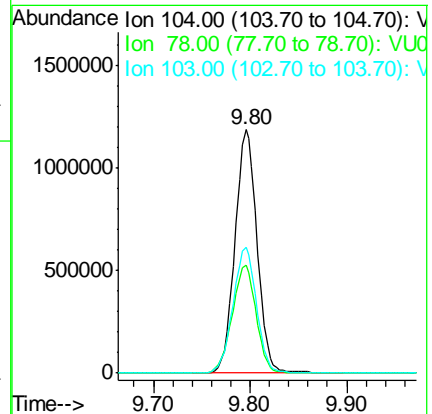
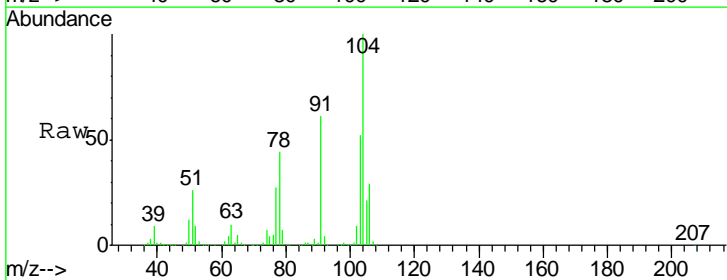
Tgt Ion	Resp	Lower	Upper
106	1145894		
106	100		
91	210.9	106.2	318.6

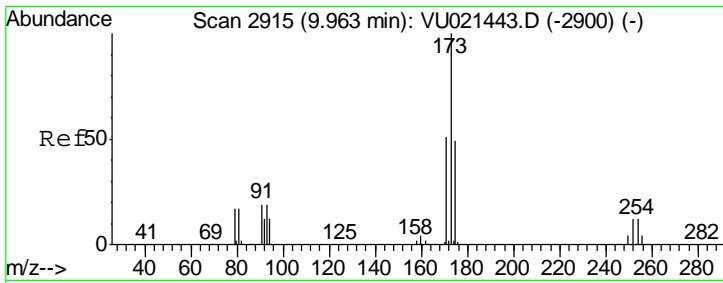
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#70
 Styrene
 Concen: 52.42 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

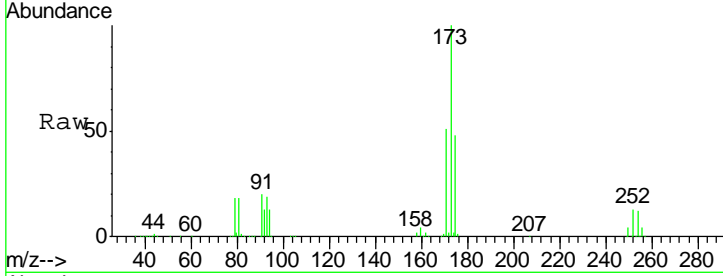
Tgt Ion	Resp	Lower	Upper
104	1882744		
104	100		
78	48.3	38.2	57.2
103	55.1	44.6	66.8





#71
 Bromoform
 Concen: 52.31 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

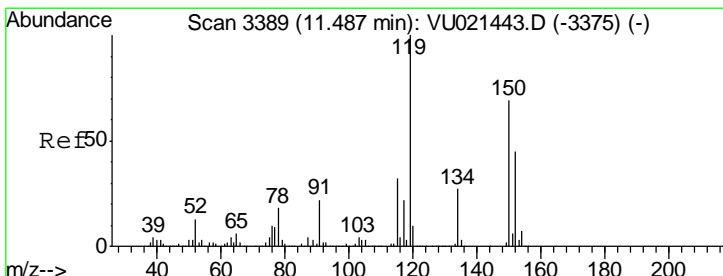
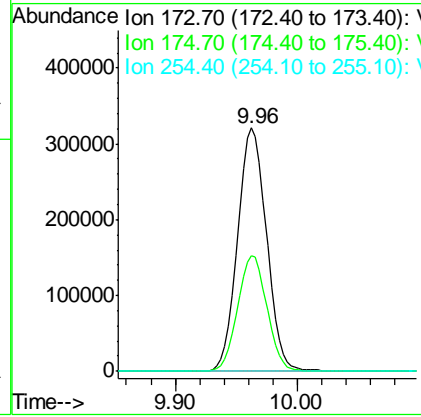
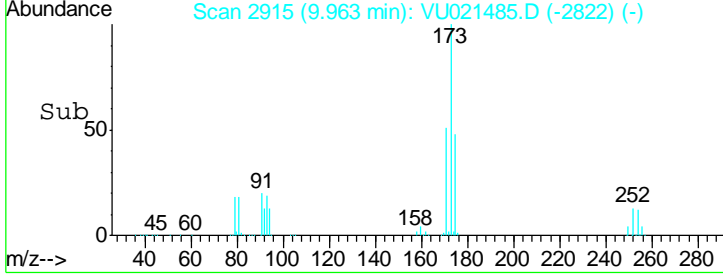
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



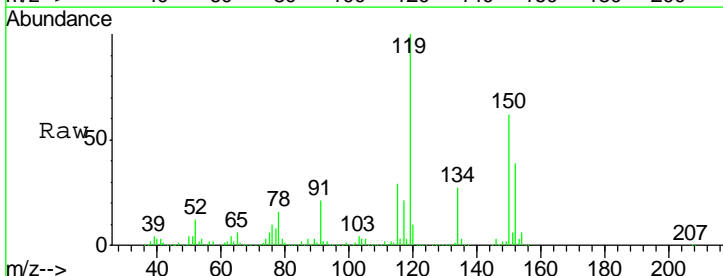
Tgt Ion: 173 Resp: 529592

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.1	0.1	0.1

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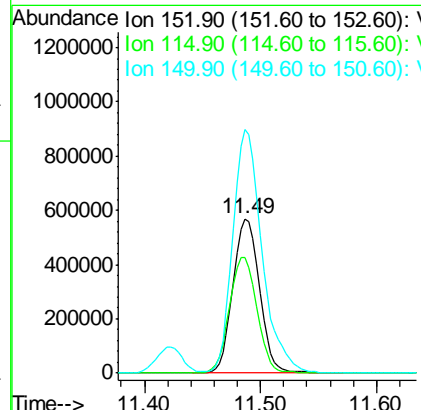
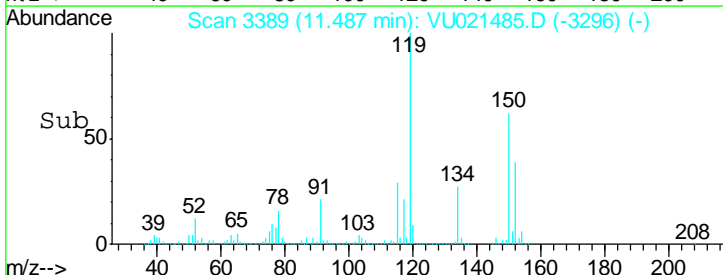


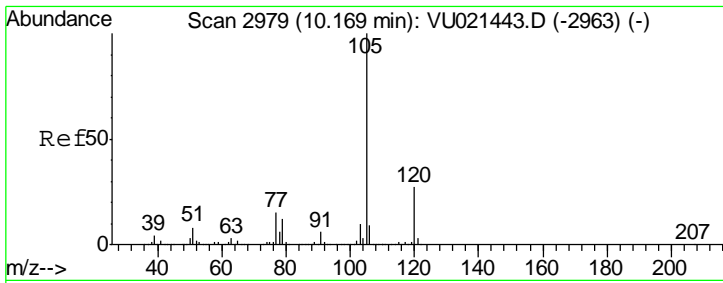
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 152 Resp: 898076

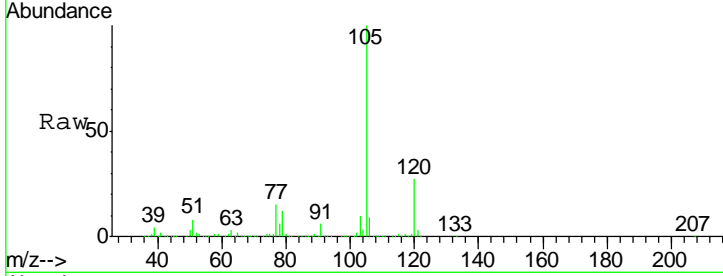
Ion	Ratio	Lower	Upper
152	100		
115	77.8	38.0	114.1
150	173.8	0.0	343.2





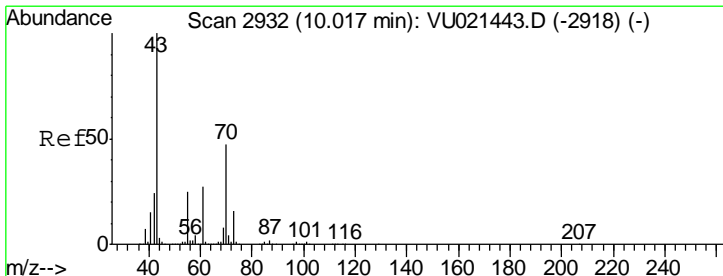
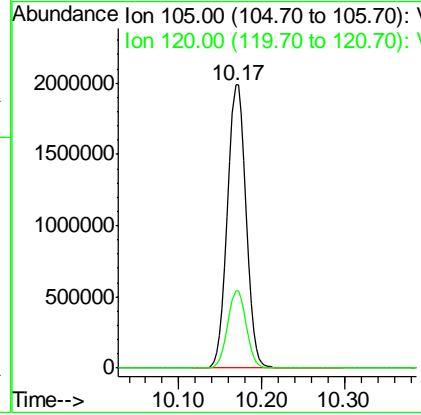
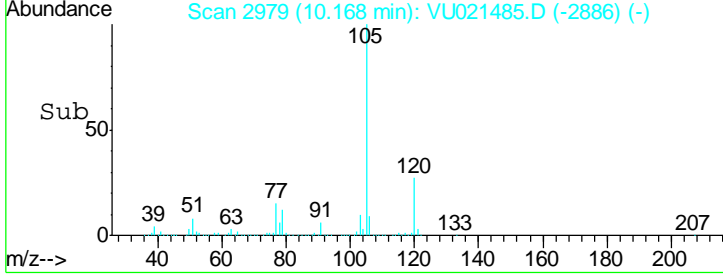
#73
 Isopropylbenzene
 Concen: 54.28 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

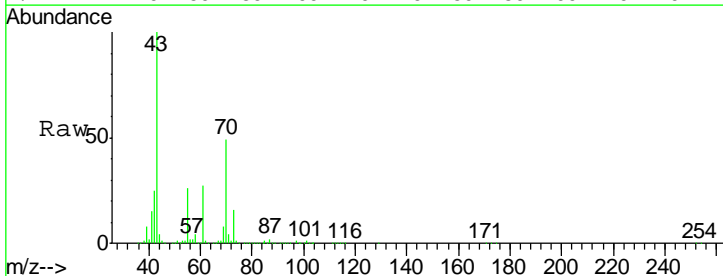


Tgt Ion: 105 Resp: 3075331
 Ion Ratio Lower Upper
 105 100
 120 27.2 13.5 40.5

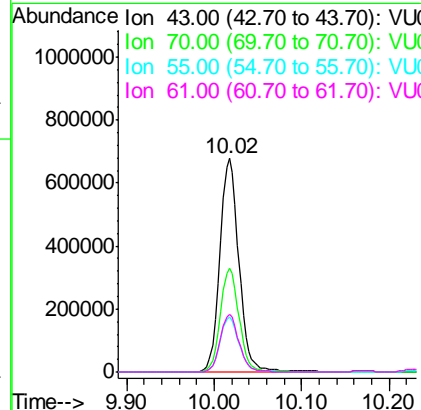
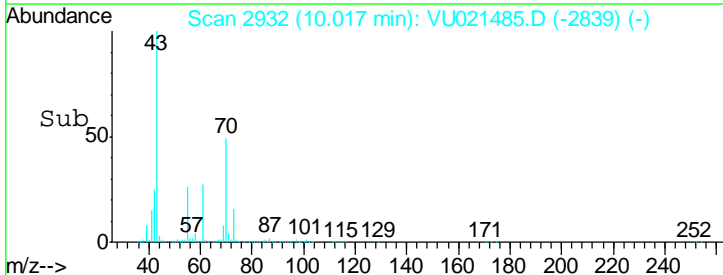
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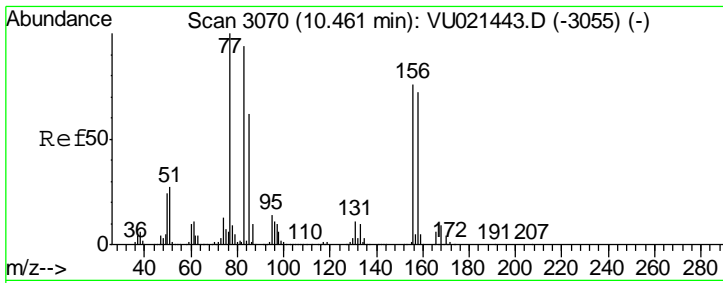


#74
 N-ethyl acetate
 Concen: 53.32 ug/l
 RT: 10.02 min Scan# 2932
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 43 Resp: 1023976
 Ion Ratio Lower Upper
 43 100
 70 48.4 37.4 56.2
 55 26.1 20.1 30.1
 61 26.8 21.3 31.9



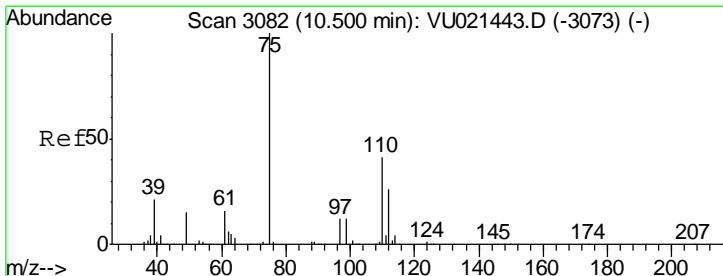
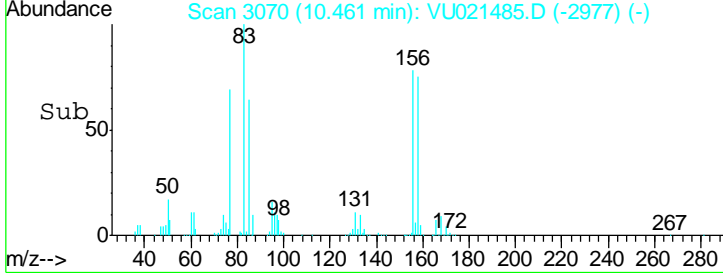
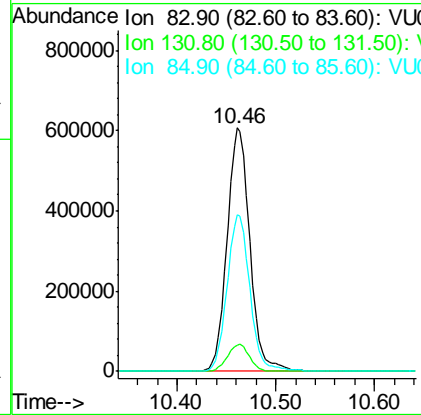
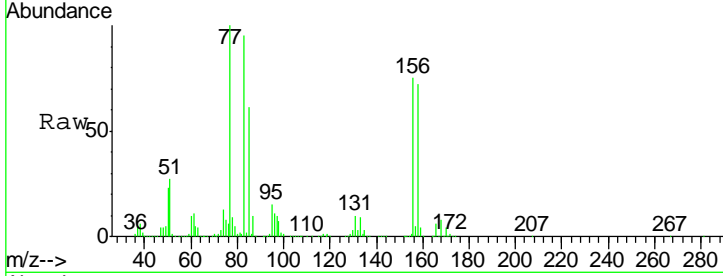


#75
 1,1,2,2-Tetrachloroethane
 Concen: 56.23 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

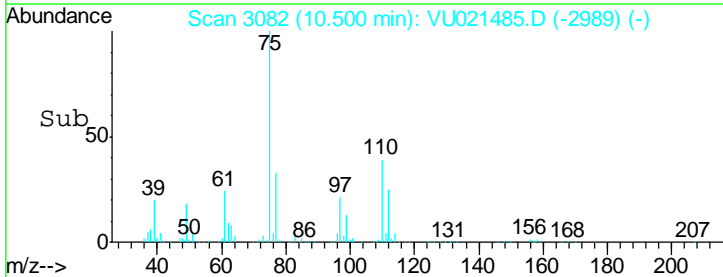
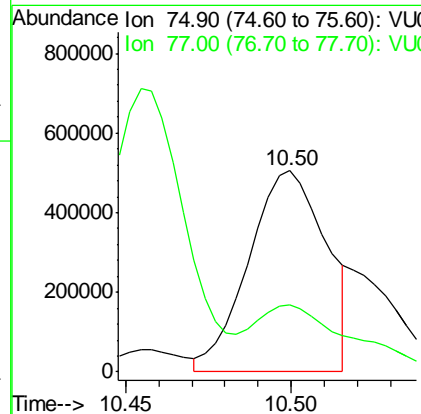
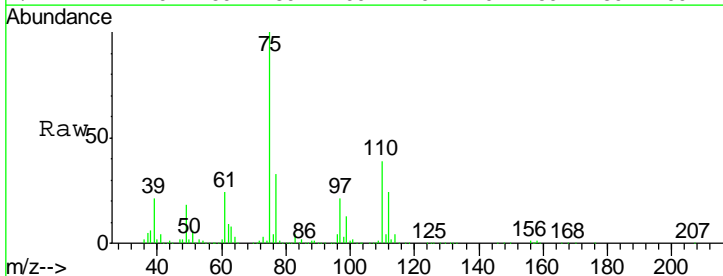
Tgt Ion	Resp	Lower	Upper
83	100		
131	10.8	5.5	16.5
85	64.5	32.3	96.9

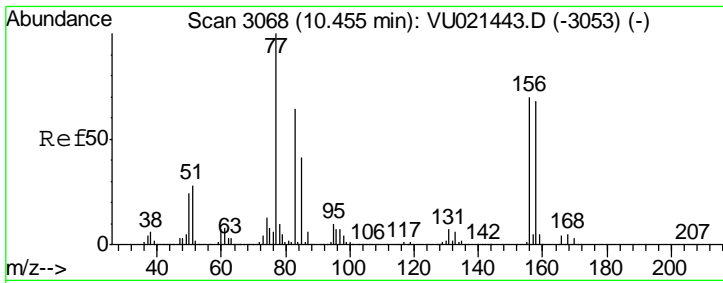
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#76
 1,2,3-Trichloropropane
 Concen: 56.62 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

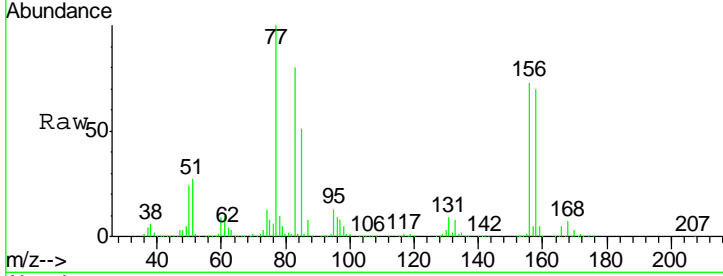
Tgt Ion	Resp	Lower	Upper
75	100		
77	42.1	22.9	68.8





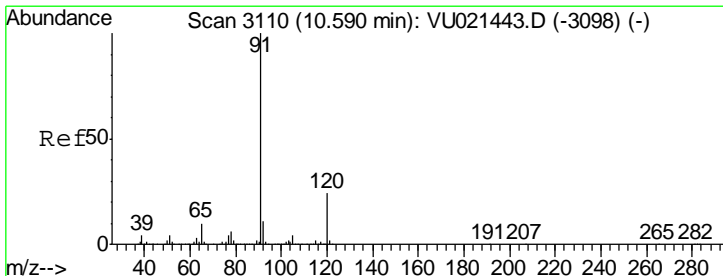
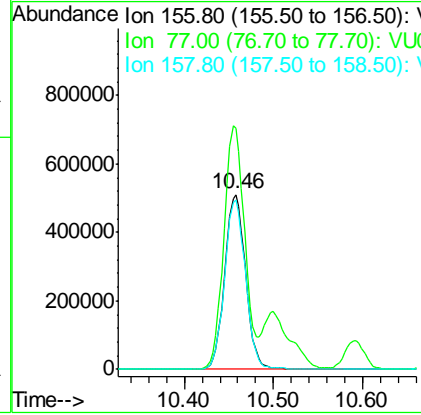
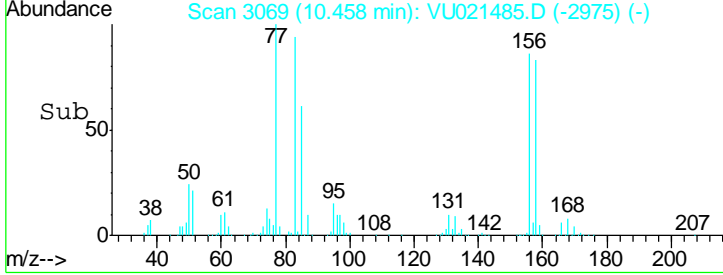
#77
 Bromobenzene
 Concen: 53.36 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

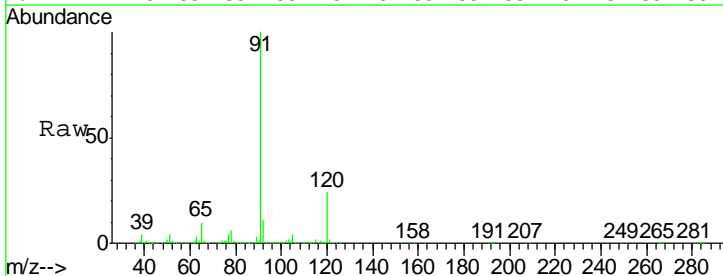


Tgt Ion	Resp	Lower	Upper
156	829992		
77	139.8	69.3	207.8
158	97.0	48.5	145.5

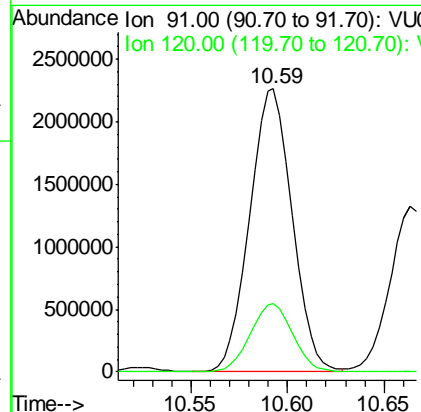
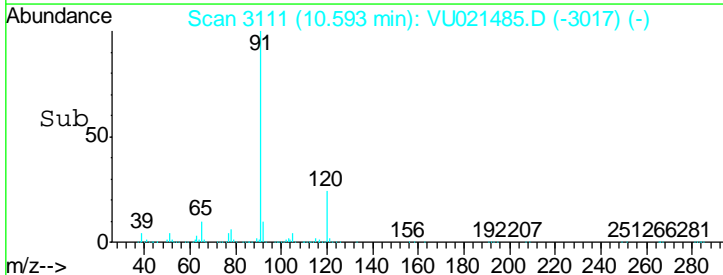
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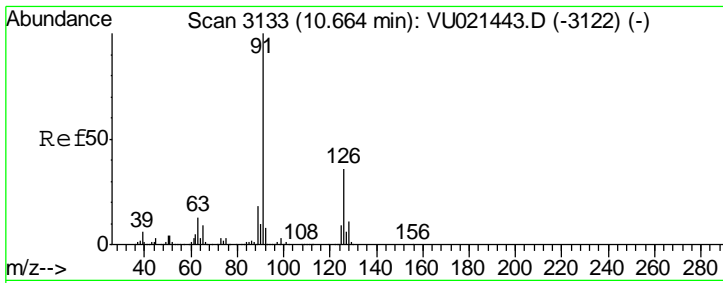


#78
 n-propylbenzene
 Concen: 53.18 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion	Resp	Lower	Upper
91	3450132		
120	24.2	12.0	36.1





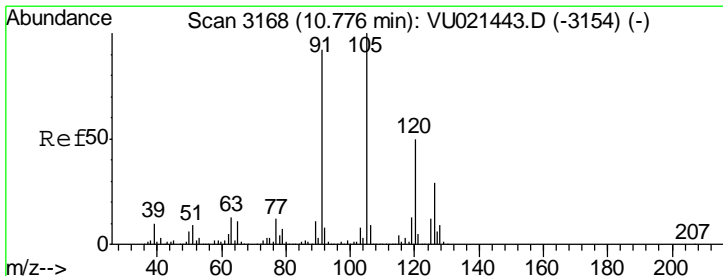
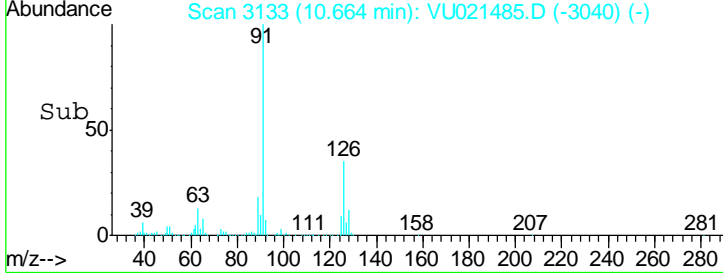
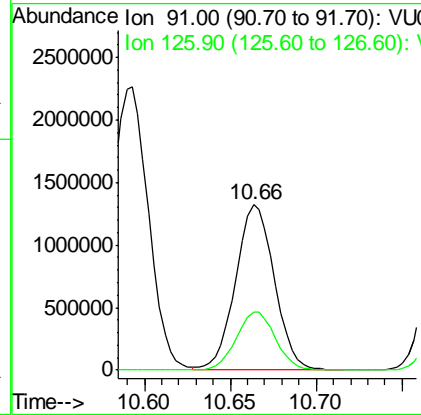
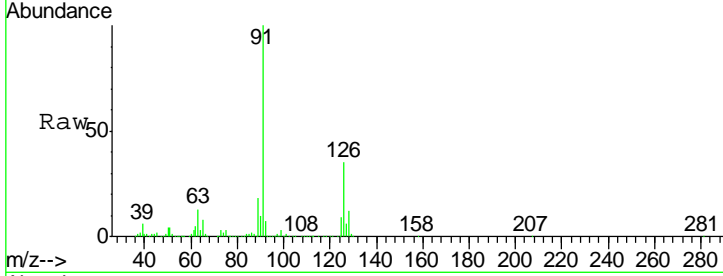
#79
 2-Chlorotoluene
 Concen: 53.89 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

Tgt Ion: 91 Resp: 2054225

Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.0	54.0

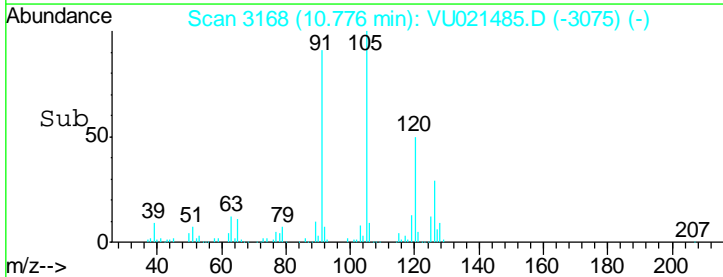
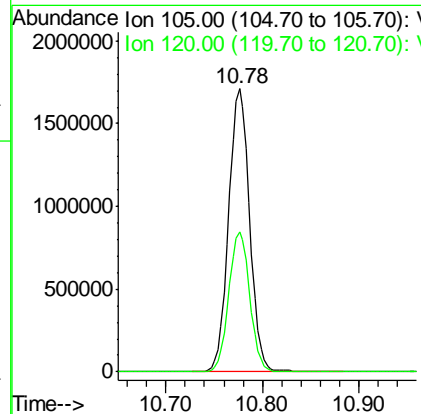
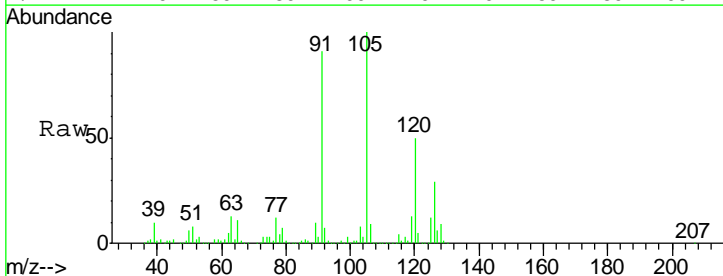
Manual Integrations
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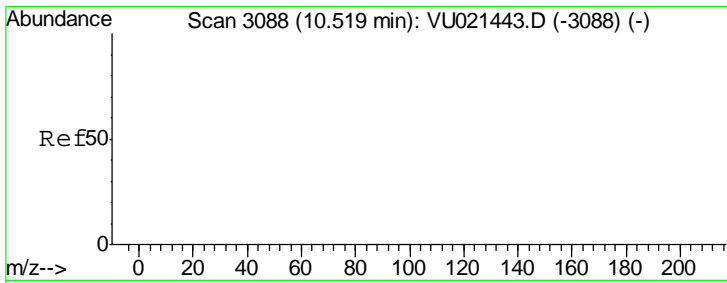


#80
 1,3,5-Trimethylbenzene
 Concen: 54.04 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion: 105 Resp: 2575388

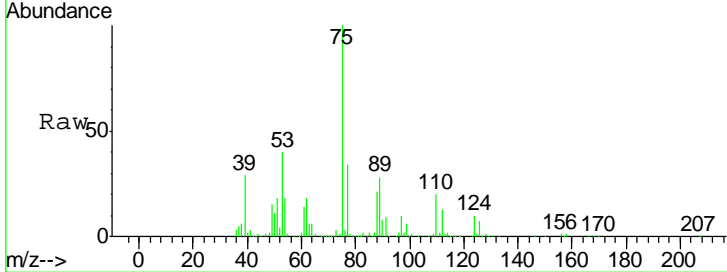
Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.9	74.6





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.08 ug/l m
 RT: 10.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

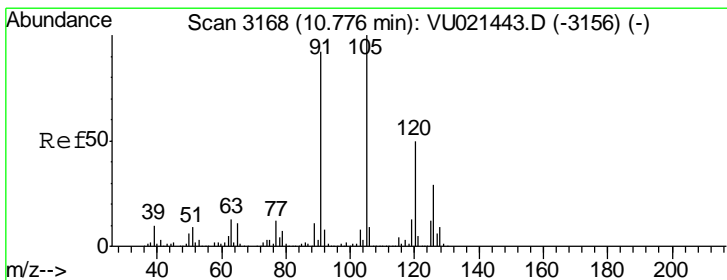
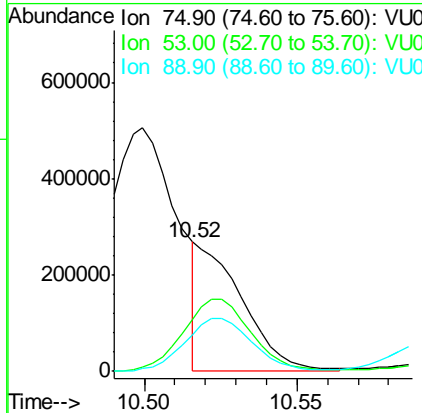
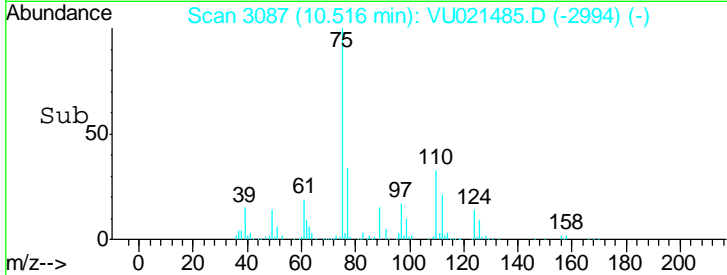
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



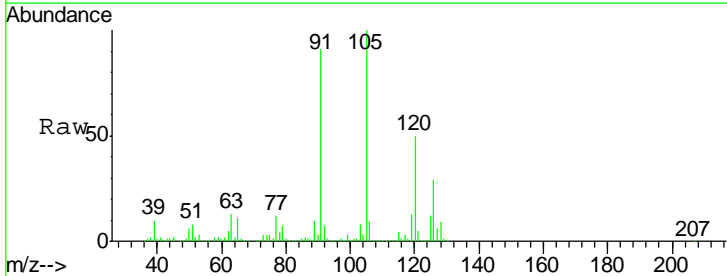
Tgt Ion: 75 Resp: 271084

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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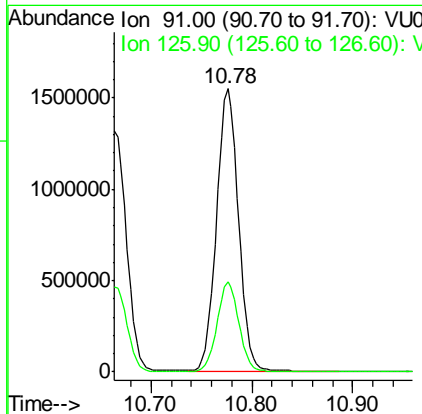
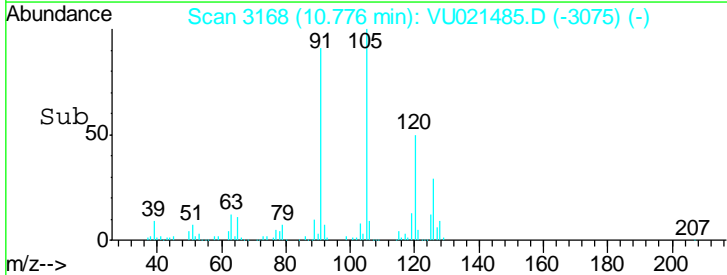


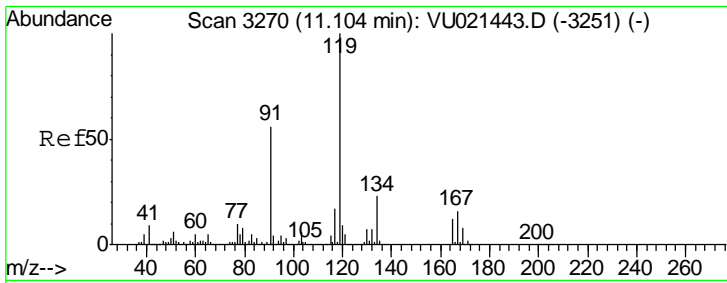
#82
 4-Chlorotoluene
 Concen: 52.75 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 91 Resp: 2366475

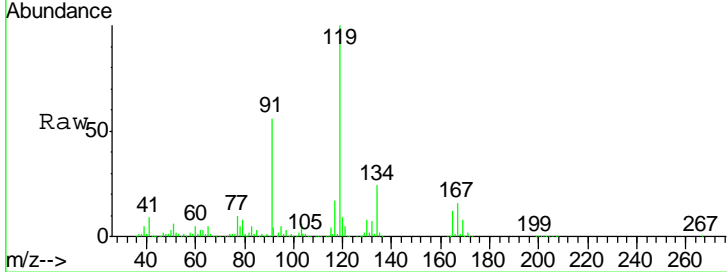
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.7





#83
 tert-Butylbenzene
 Concen: 54.60 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

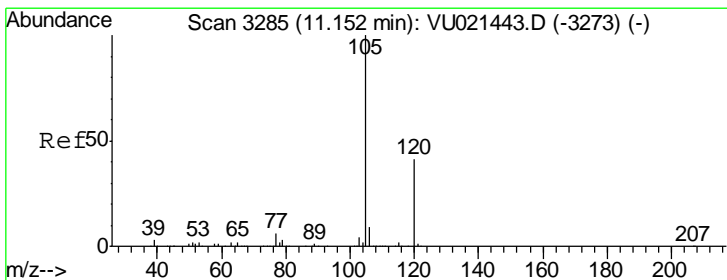
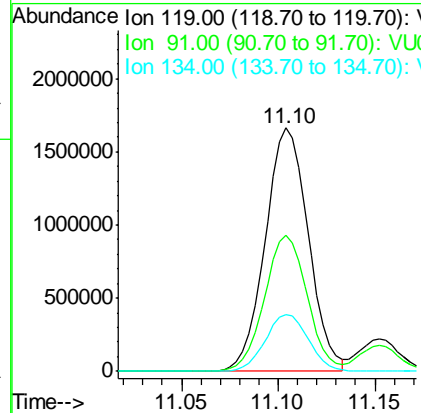
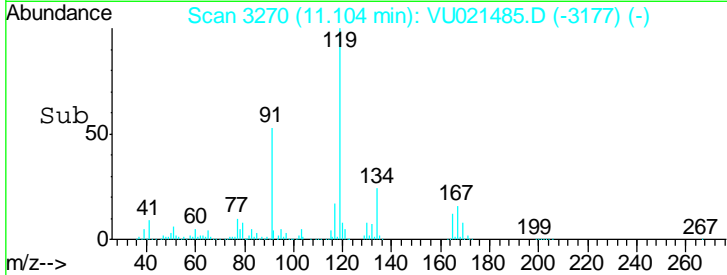
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



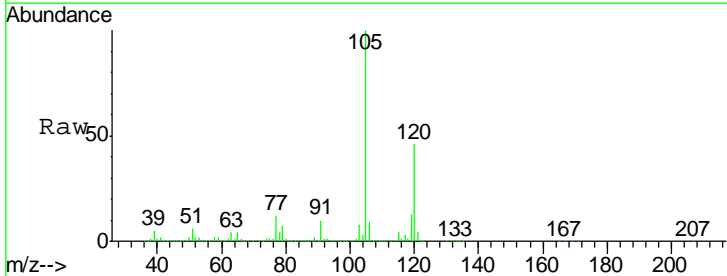
Tgt Ion: 119 Resp: 2570885

Ion	Ratio	Lower	Upper
119	100		
91	55.6	28.0	84.0
134	23.6	11.7	35.1

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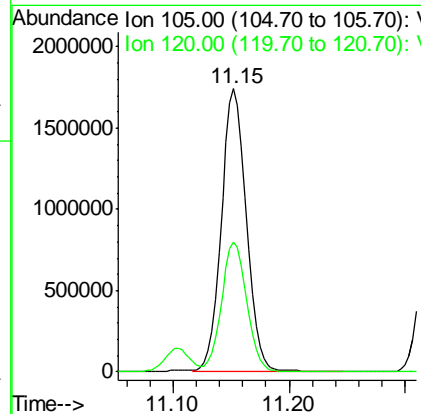
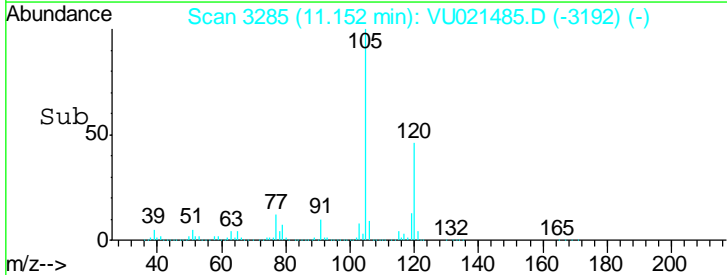


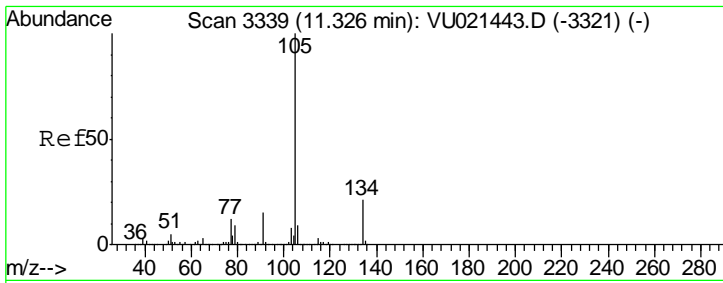
#84
 1,2,4-Trimethylbenzene
 Concen: 53.83 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 105 Resp: 2609772

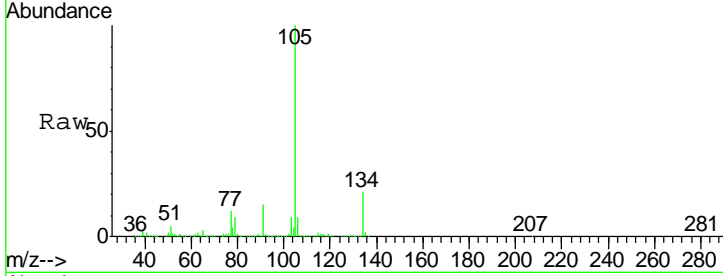
Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.3





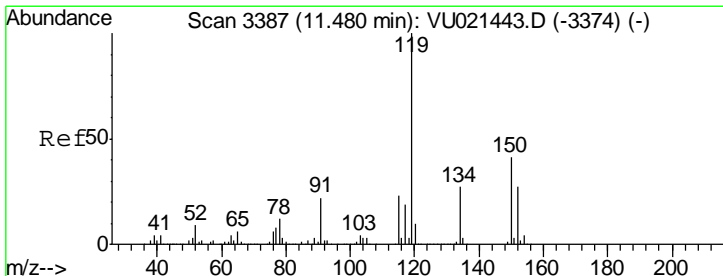
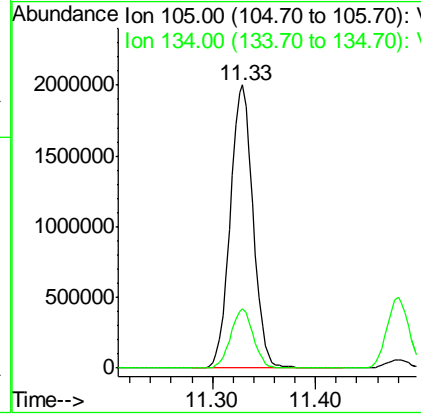
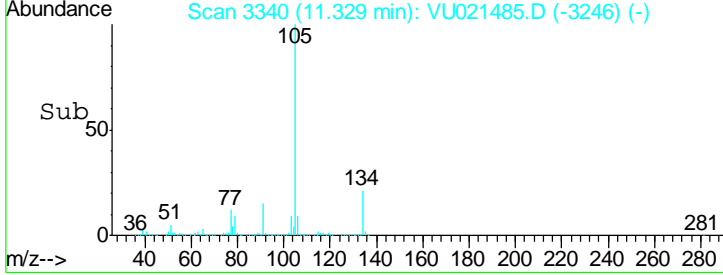
#85
 sec-Butylbenzene
 Concen: 53.44 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS

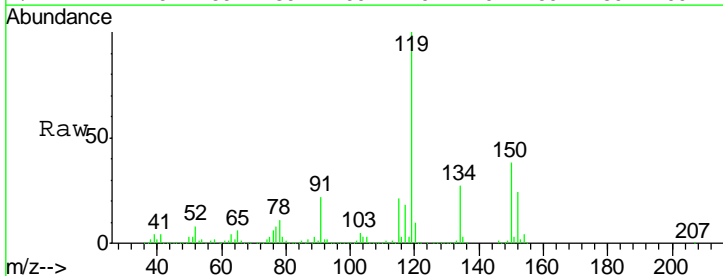


Tgt Ion: 105 Resp: 3073427
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4

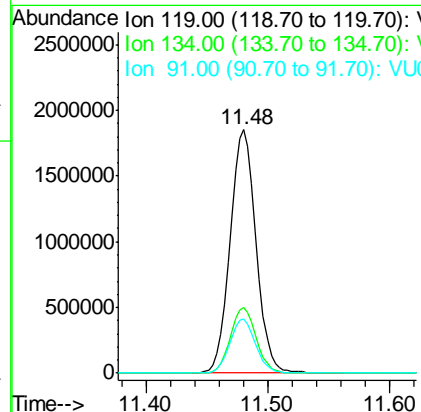
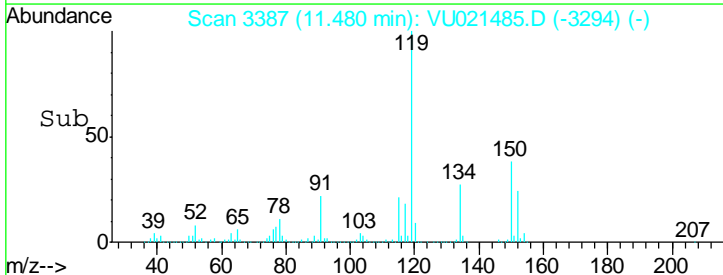
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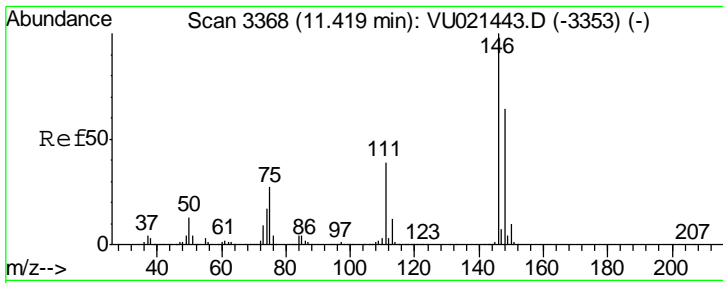


#86
 p-Isopropyltoluene
 Concen: 52.91 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



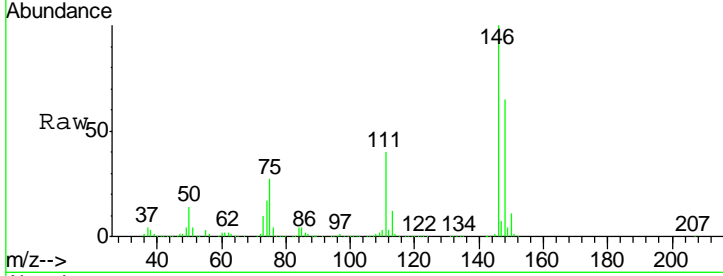
Tgt Ion: 119 Resp: 2759106
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.6 40.7
 91 22.3 11.2 33.6





#87
 1,3-Dichlorobenzene
 Concen: 51.33 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

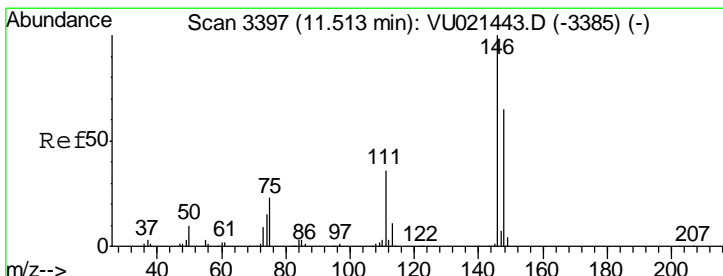
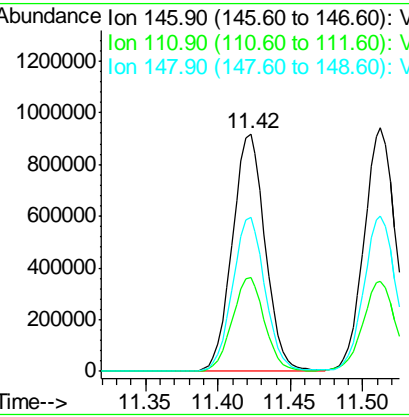
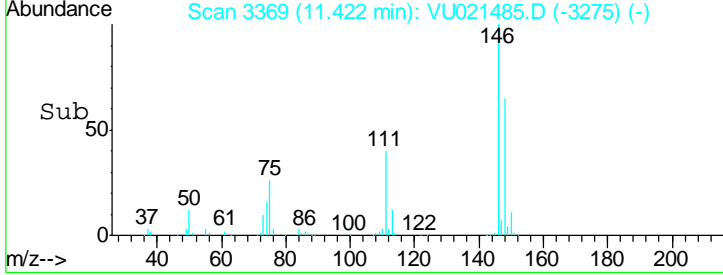
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



Tgt Ion:146 Resp: 1452344

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	64.3	32.0	96.0

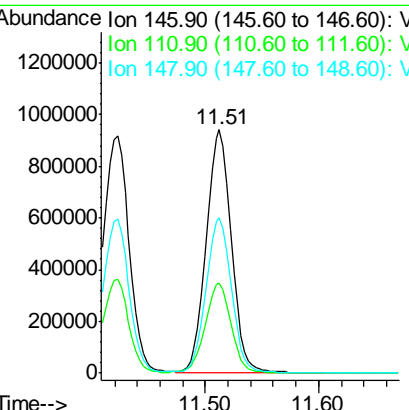
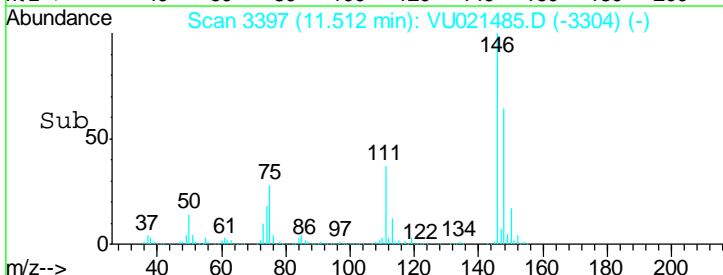
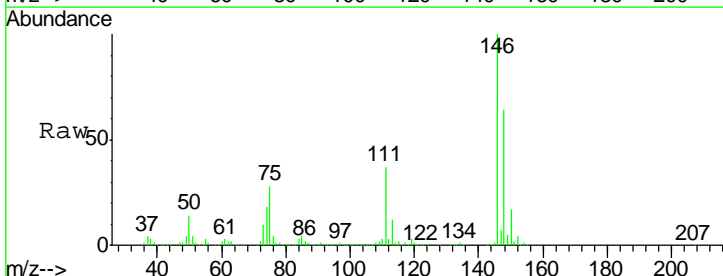
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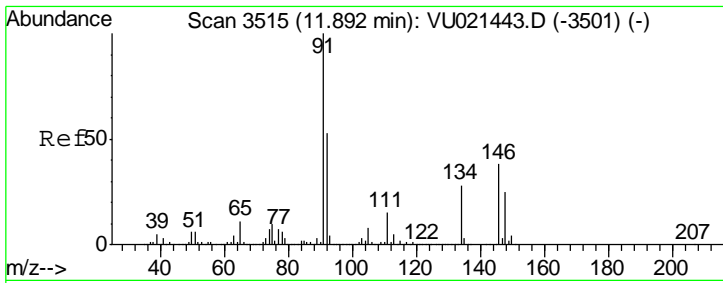


#88
 1,4-Dichlorobenzene
 Concen: 50.26 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

Tgt Ion:146 Resp: 1456975

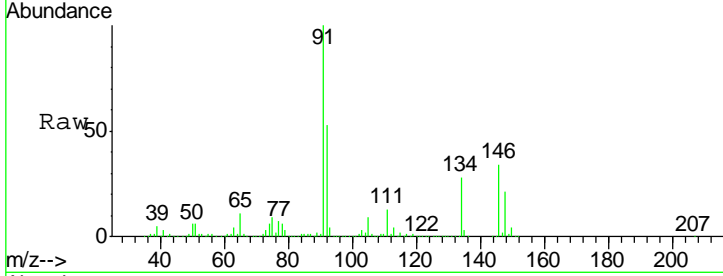
Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	64.6	32.4	97.2





#89
 n-Butylbenzene
 Concen: 49.67 ug/l
 RT: 11.89 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

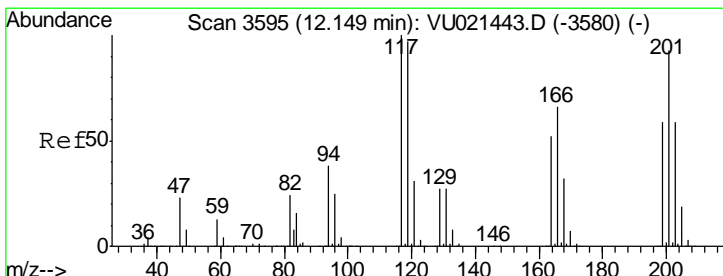
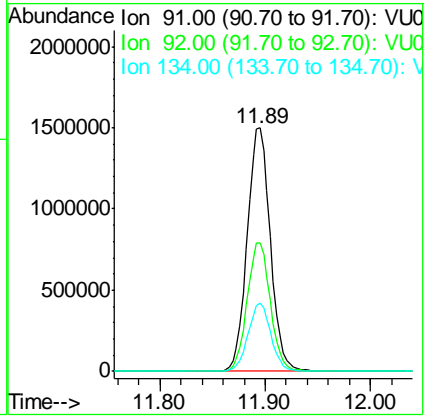
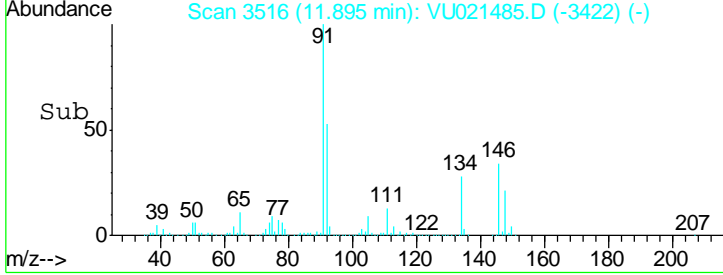
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



Tgt Ion: 91 Resp: 2284590

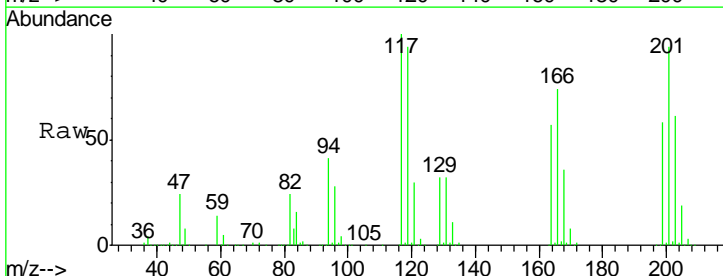
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.5
134	27.7	14.0	42.0

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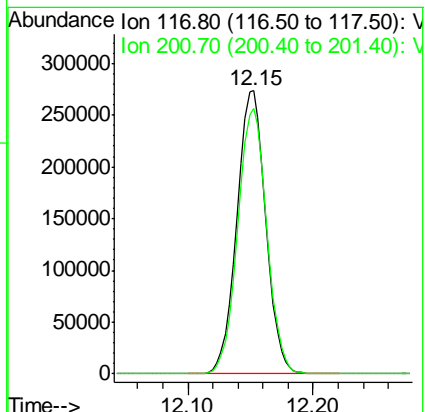
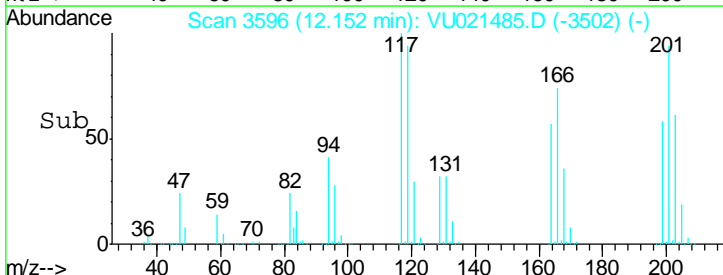
#90
 Hexachloroethane
 Concen: 53.79 ug/l
 RT: 12.15 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

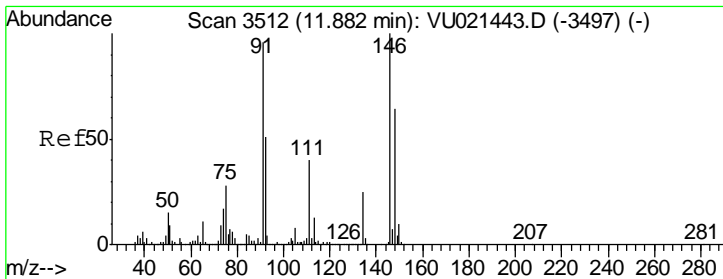
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



Tgt Ion: 117 Resp: 437745

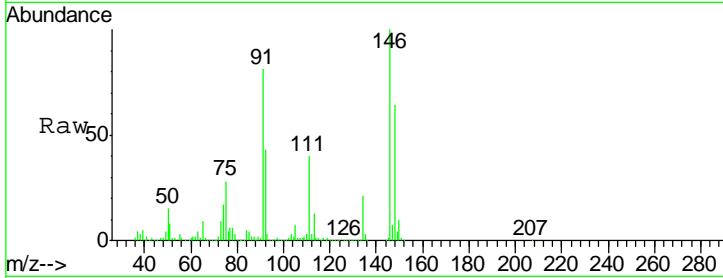
Ion	Ratio	Lower	Upper
117	100		
201	94.4	47.4	142.3





#91
 1,2-Dichlorobenzene
 Concen: 52.75 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

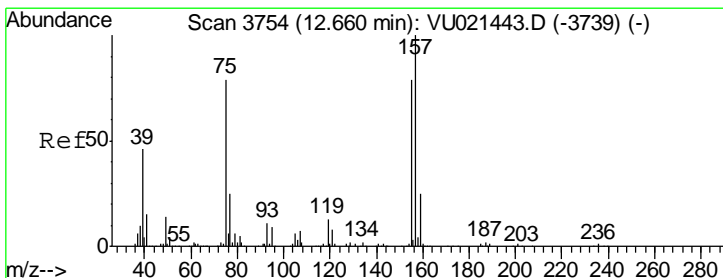
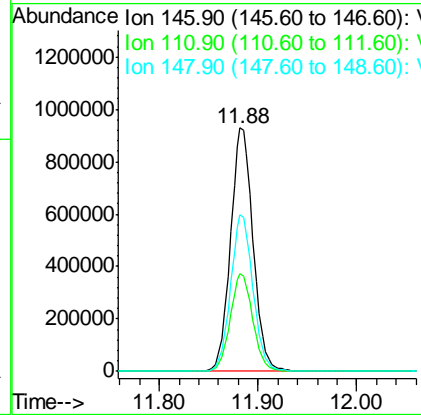
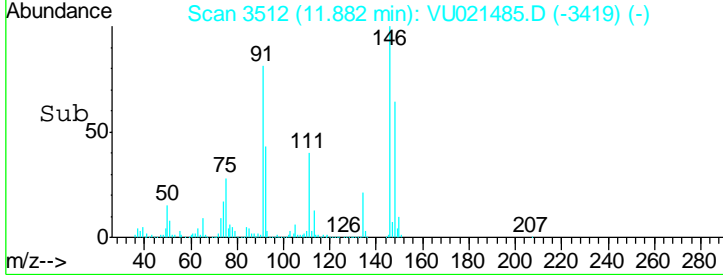
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



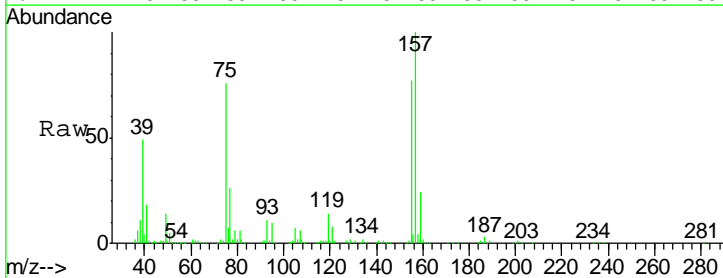
Tgt Ion: 146 Resp: 1484547

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.9	59.7
148	64.0	32.1	96.3

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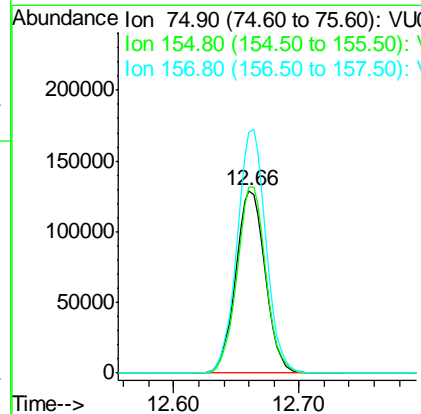
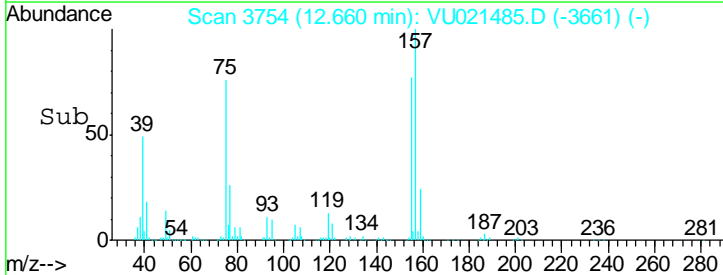


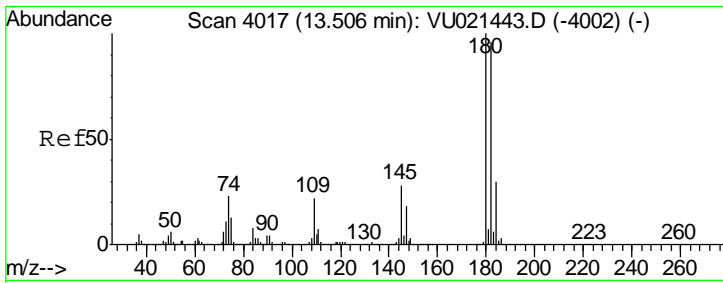
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.63 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 75 Resp: 210608

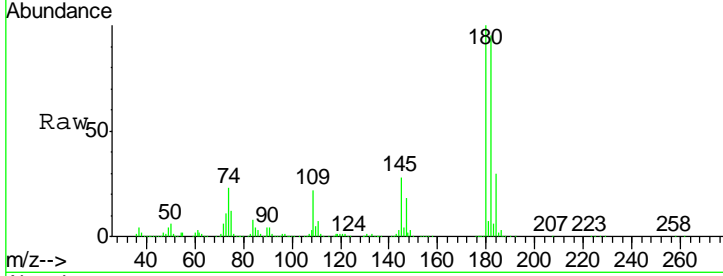
Ion	Ratio	Lower	Upper
75	100		
155	99.4	51.0	153.1
157	130.1	64.5	193.6





#93
 1,2,4-Trichlorobenzene
 Concen: 50.28 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

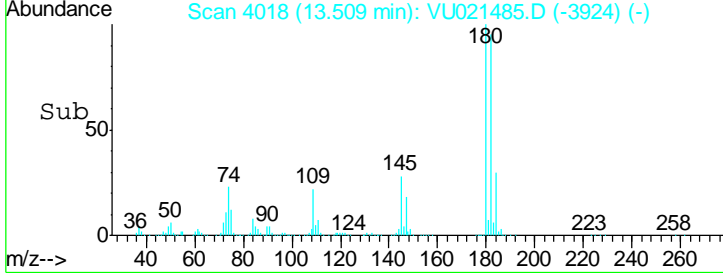
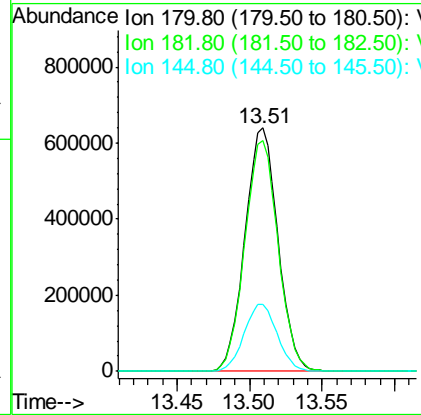
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



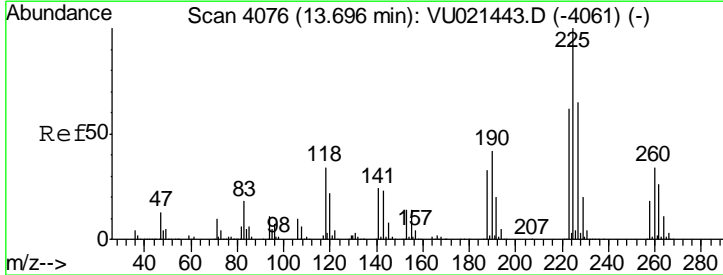
Tgt Ion: 180 Resp: 1010608

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.2	144.6
145	27.9	14.0	42.0

Manual Integrations
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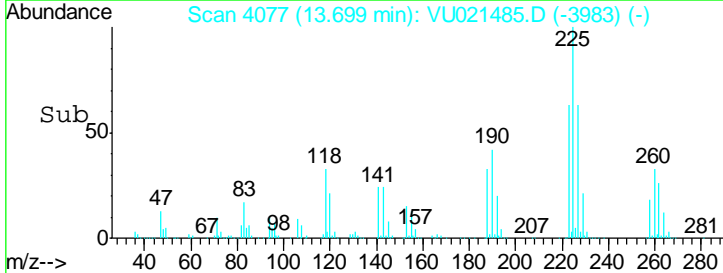
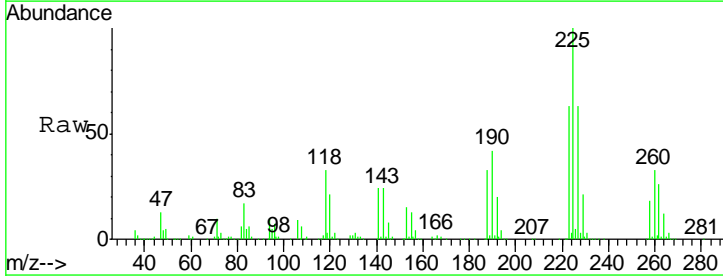
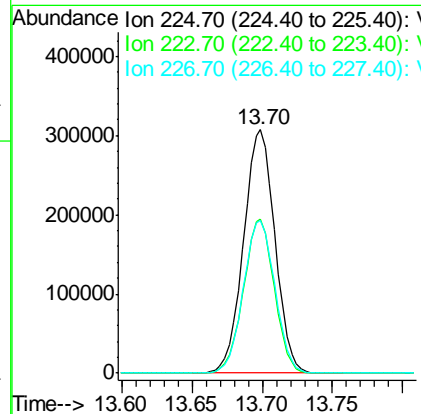


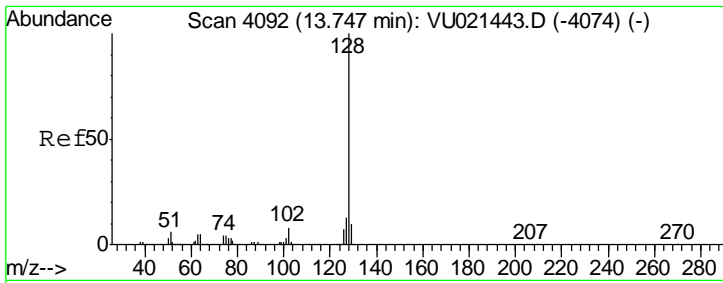
#94
 Hexachlorobutadiene
 Concen: 49.97 ug/l
 RT: 13.70 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 225 Resp: 478414

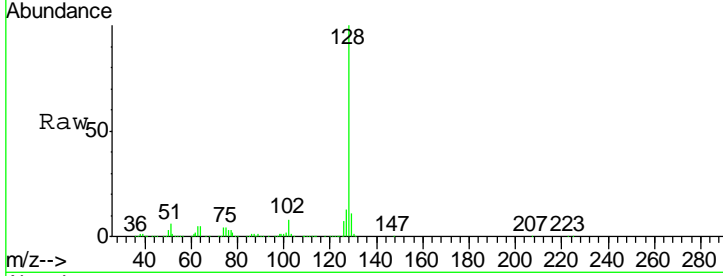
Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.9	92.7
227	63.2	32.6	97.7





#95
 Naphthalene
 Concen: 55.88 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32

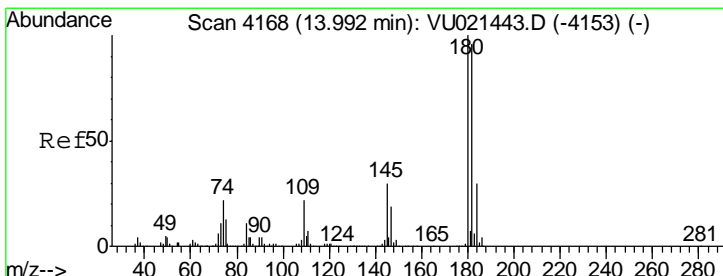
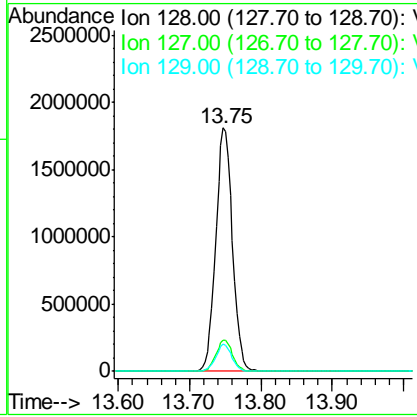
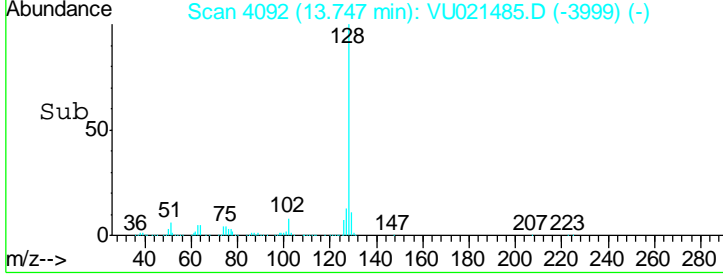
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MS



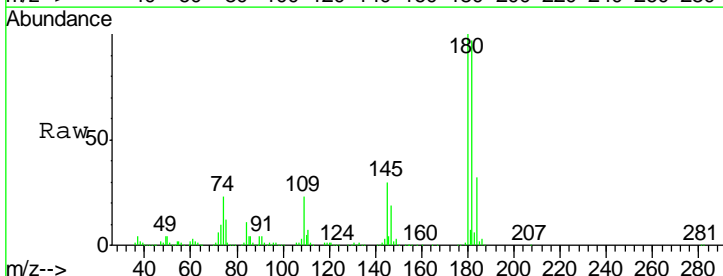
Tgt Ion: 128 Resp: 2919543

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.7	8.6	12.8

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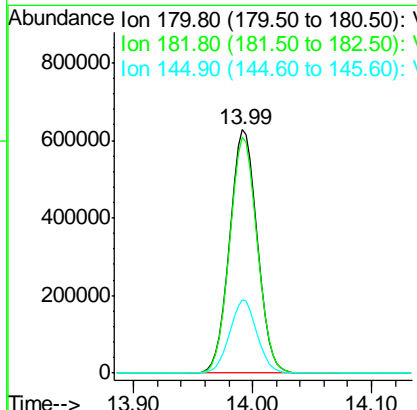
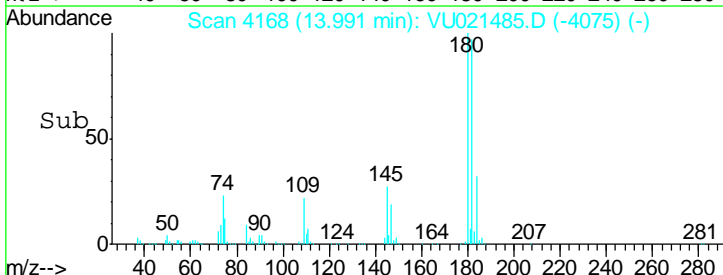


#96
 1,2,3-Trichlorobenzene
 Concen: 51.54 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU021485.D
 Acq: 04 Jan 2018 20:32



Tgt Ion: 180 Resp: 1005849

Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.1	144.3
145	29.7	14.9	44.9





Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	918-MW-07(22.5)MSD	SDG No.:	17090
Lab Sample ID:	I7090-09MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021486.D	1		01/04/18 20:58	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	47.1		0.2	0.2	1	ug/L
74-87-3	Chloromethane	48.6		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	50.1		0.2	0.2	1	ug/L
74-83-9	Bromomethane	48.2		0.2	0.2	1	ug/L
75-00-3	Chloroethane	52.7		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	50.5		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48.3		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	50.7		0.2	0.2	1	ug/L
67-64-1	Acetone	200		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	47.7		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	51.1		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	49.2		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	50.4		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	50.2		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	50.6		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	50.1		0.2	0.2	1	ug/L
78-93-3	2-Butanone	230		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	49.5		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	49.6		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	51.2		0.2	0.5	1	ug/L
67-66-3	Chloroform	51.4		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	50.7		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	46.7		0.2	0.2	1	ug/L
71-43-2	Benzene	49.6		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	49.4		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	47.3		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	49.1		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	50.3		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	250		1	1	5	ug/L
108-88-3	Toluene	49.4		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	48.9		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	49.6		0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	918-MW-07(22.5)MSD	SDG No.:	17090
Lab Sample ID:	I7090-09MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021486.D	1		01/04/18 20:58	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	50.3		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	240		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	50.9		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	50.7		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	50.7		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	49		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	49.5		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	98.7		0.4	0.4	2	ug/L
95-47-6	o-Xylene	50.4		0.2	0.2	1	ug/L
100-42-5	Styrene	49.9		0.2	0.2	1	ug/L
75-25-2	Bromoform	49.1		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	51.3		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	52.8		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	49.7		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	48.4		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	50		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	52.7		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	49.3		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	50.4		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50		61 - 141		100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		69 - 133		96%	SPK: 50
2037-26-5	Toluene-d8	51.1		65 - 126		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	45		58 - 135		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	1292760	4.99				
540-36-3	1,4-Difluorobenzene	1944250	5.89				
3114-55-4	Chlorobenzene-d5	1763930	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	937282	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	12/27/17
Project:	Andrew St. RI	Date Received:	12/28/17
Client Sample ID:	918-MW-07(22.5)MSD	SDG No.:	17090
Lab Sample ID:	I7090-09MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU021486.D	1		01/04/18 20:58	VU010418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021486.D
 Acq On : 04 Jan 2018 20:58
 Operator : MD/SY
 Sample : I7090-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 918-MW-07(22.5)MSD

Manual Integrations
 APPROVED

MMDadoda
 1/5/2018 1:06:17 PM

Quant Time: Jan 05 01:26:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	1292757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	1944252	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	1763926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	937282	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	551820	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	4.89	113	517619	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
50) Toluene-d8	7.57	98	1754610	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	10.31	95	718601	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	496459	47.08	ug/l	98
3) Chloromethane	1.33	50	616581	48.56	ug/l	100
4) Vinyl Chloride	1.40	62	642553	50.14	ug/l	100
5) Bromomethane	1.63	94	433361	48.22	ug/l	97
6) Chloroethane	1.70	64	403122	52.71	ug/l	99
7) Trichlorofluoromethane	1.89	101	917654	50.51	ug/l	99
8) Diethyl Ether	2.10	74	391369	51.91	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	562004	48.26	ug/l	98
10) Methyl Iodide	2.41	142	833100	51.38	ug/l	99
11) Tert butyl alcohol	2.83	59	685736	250.15	ug/l	99
12) 1,1-Dichloroethene	2.29	96	550026	50.65	ug/l	99
13) Acrolein	2.19	56	429290	217.94	ug/l	100
14) Allyl chloride	2.59	41	814109	48.70	ug/l	99
15) Acrylonitrile	2.94	53	1628791	258.20	ug/l	99
16) Acetone	2.32	43	1287529	196.48	ug/l	98
17) Carbon Disulfide	2.48	76	1482264	47.71	ug/l	100
18) Methyl Acetate	2.62	43	687905	49.19	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	1868018	51.07	ug/l	98
20) Methylene Chloride	2.70	84	619100	50.44	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	583372	50.16	ug/l	97
22) Diisopropyl ether	3.58	45	1654653	50.57	ug/l	99
23) Vinyl Acetate	3.53	43	6417336	246.20	ug/l	100
24) 1,1-Dichloroethane	3.45	63	1029007	50.60	ug/l	100
25) 2-Butanone	4.27	43	1950290	234.32	ug/l	99
26) 2,2-Dichloropropane	4.23	77	792876	45.52	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	670722	49.63	ug/l	99
28) Bromochloromethane	4.55	49	434139	51.22	ug/l	99
29) Tetrahydrofuran	4.65	42	1206573	248.47	ug/l	100
30) Chloroform	4.68	83	1075368	51.43	ug/l	100
31) Cyclohexane	4.99	56	891661	50.12	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	930254	50.69	ug/l	99
36) 1,1-Dichloropropene	5.14	75	797725	47.98	ug/l	100
37) Ethyl Acetate	4.39	43	694458	47.18	ug/l	99
38) Carbon Tetrachloride	5.14	117	806436	49.46	ug/l	99

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021486.D
 Acq On : 04 Jan 2018 20:58
 Operator : MD/SY
 Sample : I7090-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 918-MW-07(22.5)MSD

Manual Integrations
 APPROVED

MMDadoda
 1/5/2018 1:06:17 PM

Quant Time: Jan 05 01:26:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	970295	46.72	ug/l	99
40) Benzene	5.39	78	2413738	49.56	ug/l	100
41) Methacrylonitrile	4.55	41	409162	50.69	ug/l	99
42) 1,2-Dichloroethane	5.41	62	820070	49.40	ug/l	100
43) Isopropyl Acetate	5.55	43	1174169	47.72	ug/l	100
44) Trichloroethene	6.19	130	696844	47.27	ug/l	99
45) 1,2-Dichloropropane	6.44	63	608045	49.11	ug/l	98
46) Dibromomethane	6.56	93	433329	50.19	ug/l	99
47) Bromodichloromethane	6.76	83	795955	50.29	ug/l	99
48) Methyl methacrylate	6.63	41	614055	50.28	ug/l	99
49) 1,4-Dioxane	6.62	88	319174	1047.45	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	3809031	252.93	ug/l	100
52) Toluene	7.64	92	1545009	49.44	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	864515	48.90	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	951501	49.62	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	622677	50.27	ug/l	99
56) Ethyl methacrylate	8.02	69	930986	50.00	ug/l	100
57) 1,3-Dichloropropane	8.25	76	1037356	50.59	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.10	63	2157	0.31	ug/l #	44
59) 2-Hexanone	8.37	43	2855832	241.11	ug/l	99
60) Dibromochloromethane	8.48	129	665270	50.86	ug/l	98
61) 1,2-Dibromoethane	8.59	107	690199	50.72	ug/l	99
64) Tetrachloroethene	8.23	164	702667	50.66	ug/l	98
65) Chlorobenzene	9.12	112	1779324	49.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	630074	50.77	ug/l	100
67) Ethyl Benzene	9.25	91	2976544	49.47	ug/l	99
68) m/p-Xylenes	9.38	106	2307807	98.69	ug/l	99
69) o-Xylene	9.78	106	1129954	50.39	ug/l	99
70) Styrene	9.80	104	1864461	49.92	ug/l	100
71) Bromoform	9.96	173	517304	49.14	ug/l #	98
73) Isopropylbenzene	10.17	105	3034234	51.31	ug/l	99
74) N-amyl acetate	10.02	43	1008359	50.31	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	967797	52.84	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	812989m	53.42	ug/l	
77) Bromobenzene	10.46	156	812099	50.03	ug/l	98
78) n-propylbenzene	10.59	91	3424491	50.57	ug/l	100
79) 2-Chlorotoluene	10.66	91	2031695	51.07	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	2535805	50.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.52	75	263214m	50.82	ug/l	
82) 4-Chlorotoluene	10.78	91	2360457	50.41	ug/l	100
83) tert-Butylbenzene	11.10	119	2535524	51.60	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	2589884	51.18	ug/l	99
85) sec-Butylbenzene	11.33	105	3035170	50.56	ug/l	100
86) p-Isopropyltoluene	11.48	119	2731861	50.20	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	1468655	49.73	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	1462699	48.35	ug/l	100
89) n-Butylbenzene	11.90	91	2300086	47.92	ug/l	100
90) Hexachloroethane	12.15	117	434390	51.15	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	1468882	50.01	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	208044	52.65	ug/l	99

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021486.D
 Acq On : 04 Jan 2018 20:58
 Operator : MD/SY
 Sample : I7090-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 918-MW-07(22.5)MSD

Manual Integrations
 APPROVED

MMDadoda
 1/5/2018 1:06:17 PM

Quant Time: Jan 05 01:26:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	1034196	49.30	ug/l	99
94) Hexachlorobutadiene	13.70	225	478103	47.85	ug/l	99
95) Naphthalene	13.75	128	2966426	54.40	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	1025789	50.36	ug/l	99

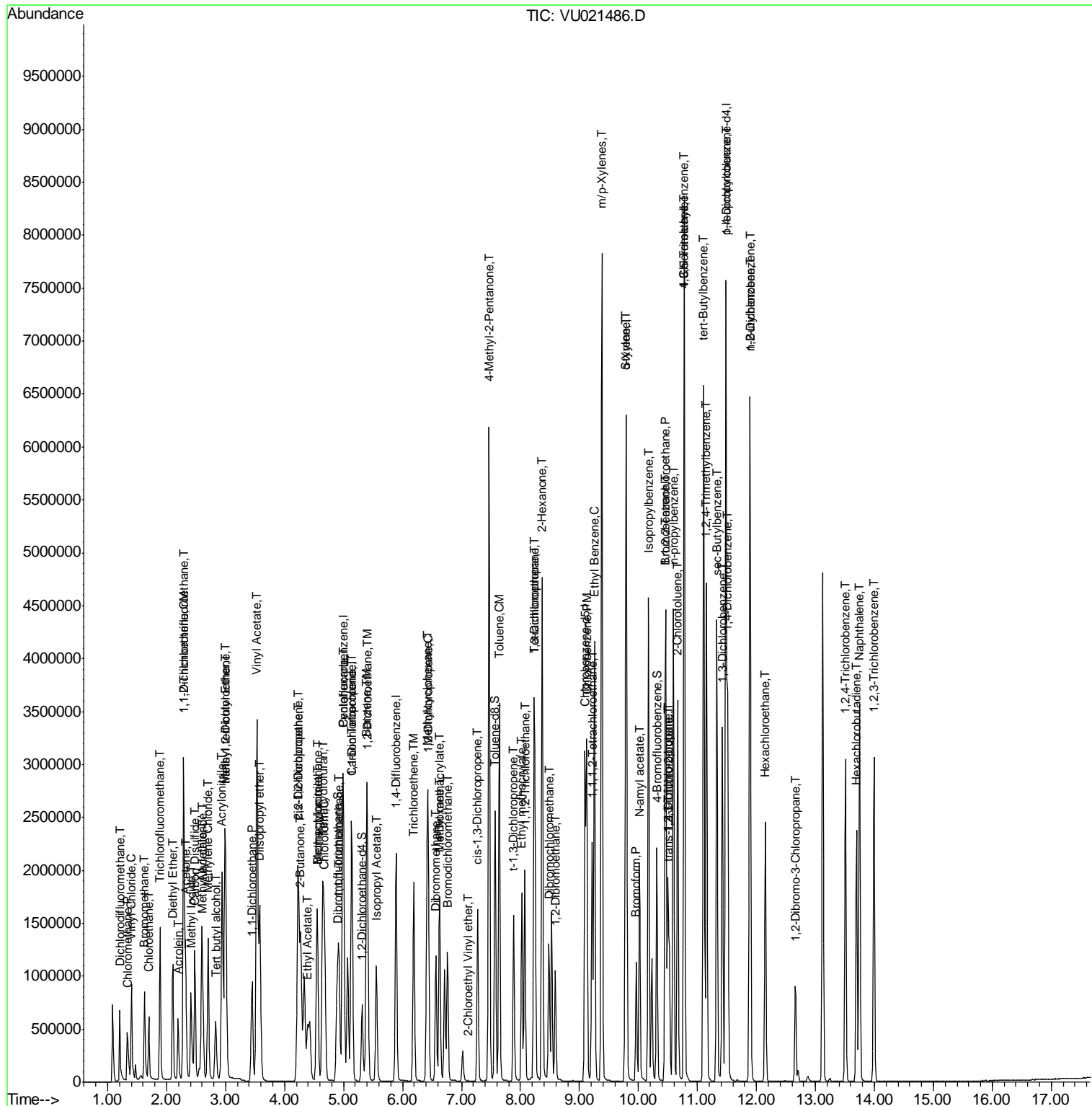
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Data Path : W:\HPCHEM1\MSVOA U\DATA\VU010418\
 Data File : VU021486.D
 Acq On : 04 Jan 2018 20:58
 Operator : MD/SY
 Sample : I7090-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

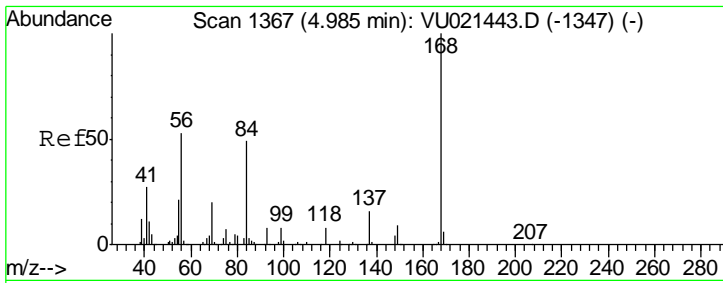
Instrument :
 MSVOA_U
 Client Sample Id :
 918-MW-07(22.5)MSD

Manual Integrations
 APPROVED
 MMDadoda
 1/5/2018 1:06:17 PM

Quant Time: Jan 05 01:26:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\82U010318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 03 15:42:05 2018
 Response via : Initial Calibration



- 1
- 2
- 3
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- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

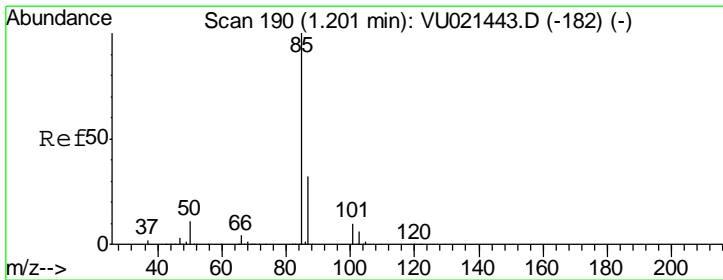
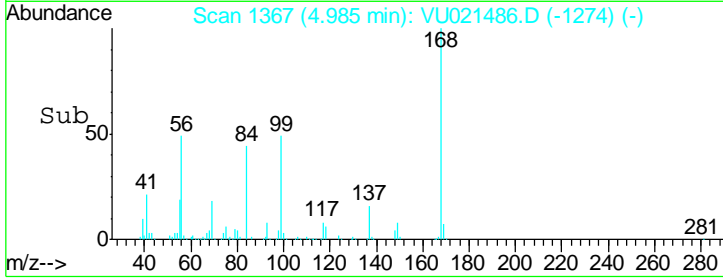
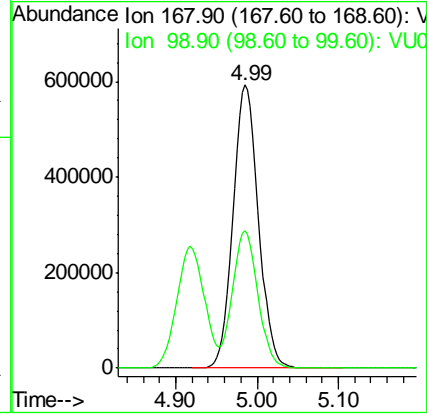
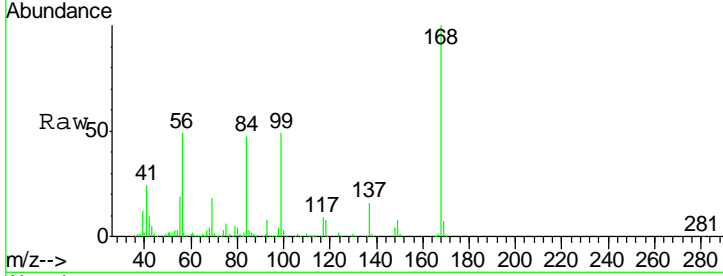
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

Tgt Ion: 168 Resp: 1292757

Ion	Ratio	Lower	Upper
168	100		
99	48.5	39.4	59.2

Manual Integrations
 APPROVED

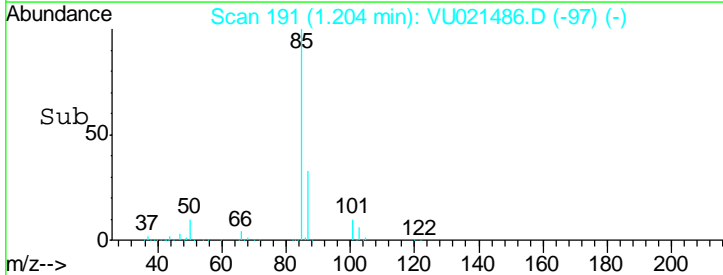
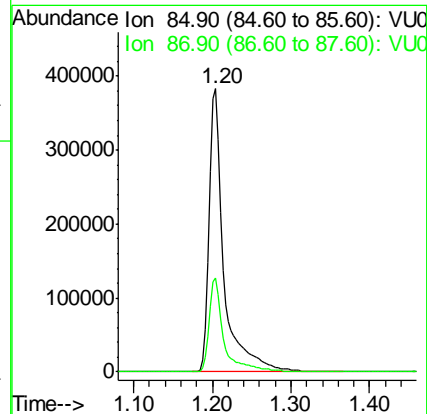
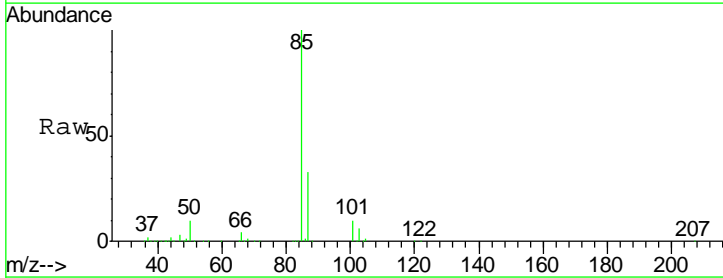
MMDadoda
 1/5/2018 1:06:17 PM

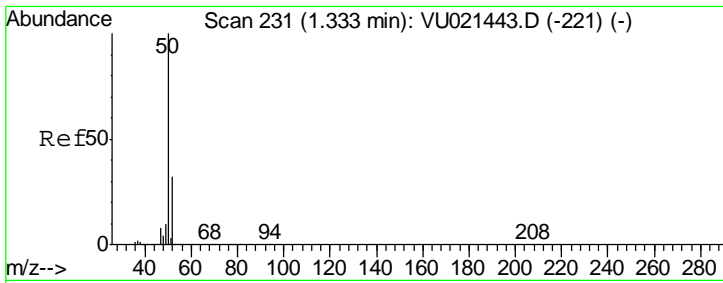


#2
 Dichlorodifluoromethane
 Concen: 47.08 ug/l
 RT: 1.20 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion: 85 Resp: 496459

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.1	48.3



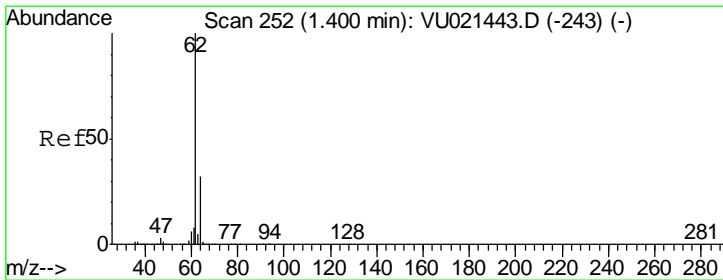
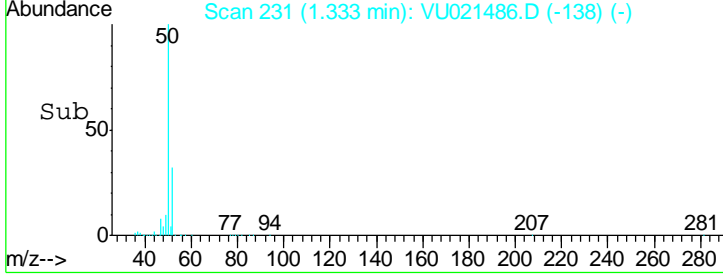
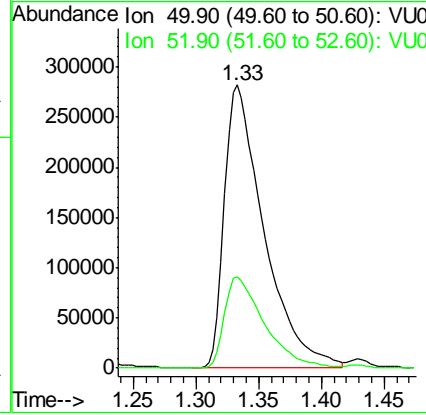
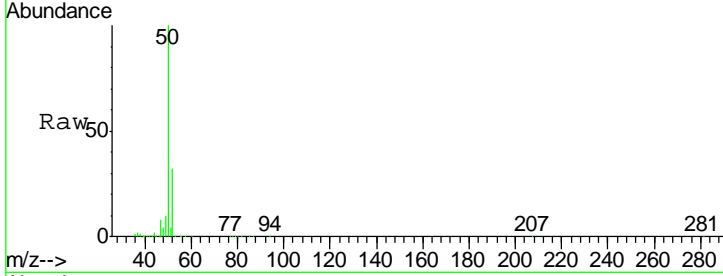


#3
 Chloromethane
 Concen: 48.56 ug/l
 RT: 1.33 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.5	25.9	38.9

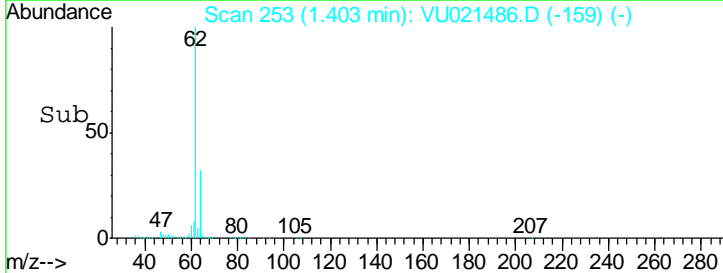
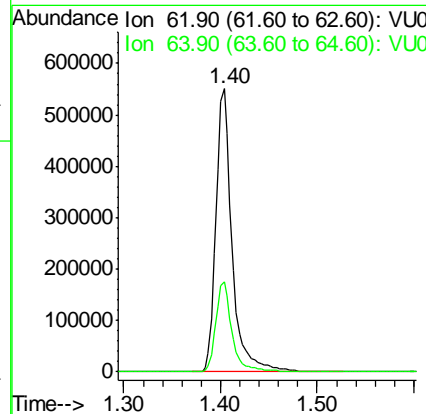
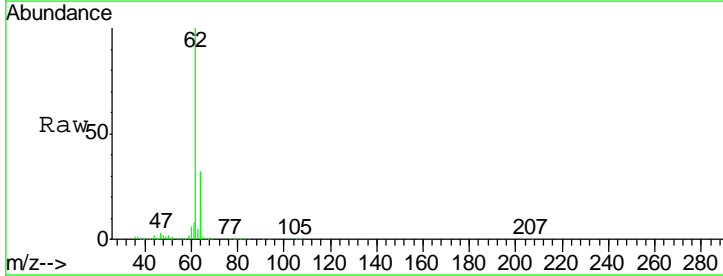
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

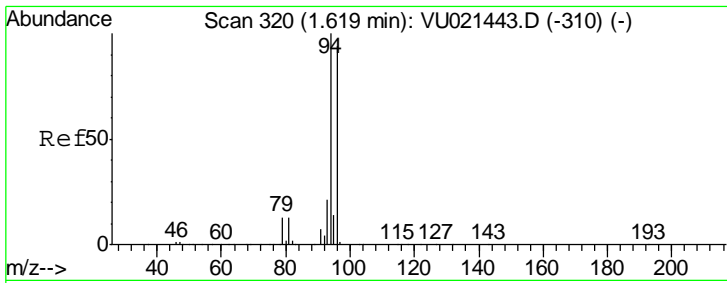
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#4
 Vinyl Chloride
 Concen: 50.14 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.8	25.4	38.0



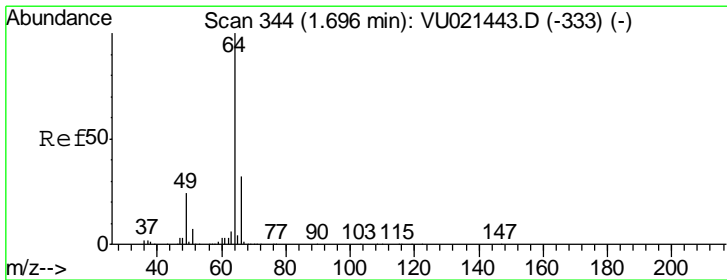
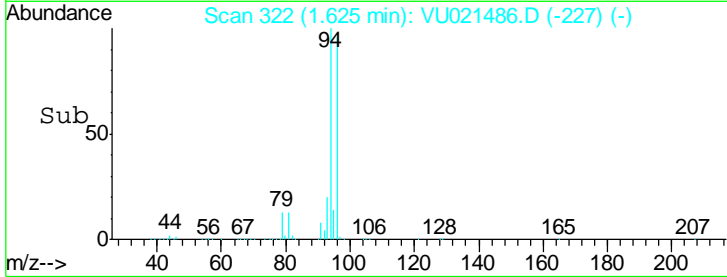
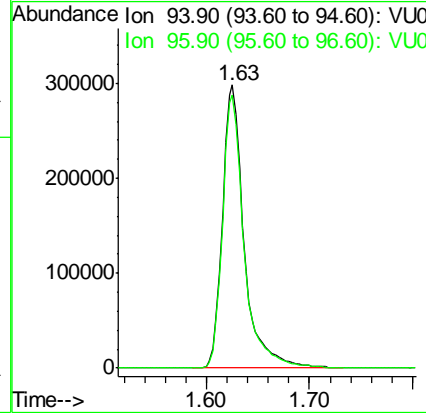
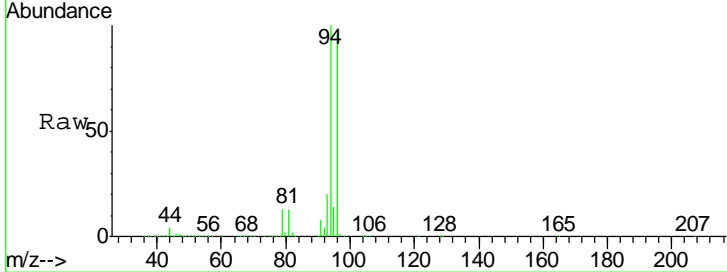


#5
 Bromomethane
 Concen: 48.22 ug/l
 RT: 1.63 min Scan# 322
 Delta R.T. 0.01 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion	Resp	Lower	Upper
94	100		
96	96.6	75.2	112.8

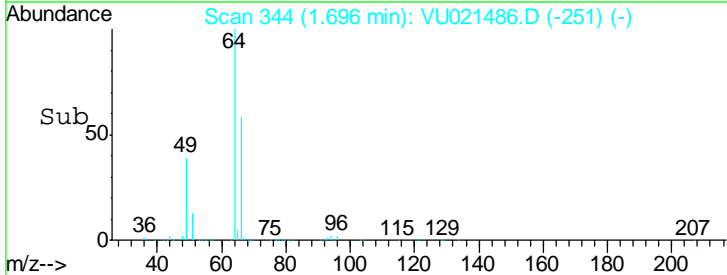
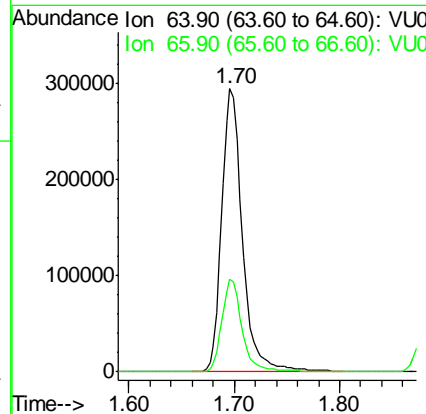
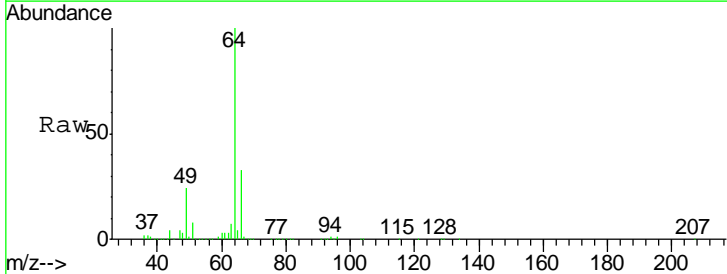
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

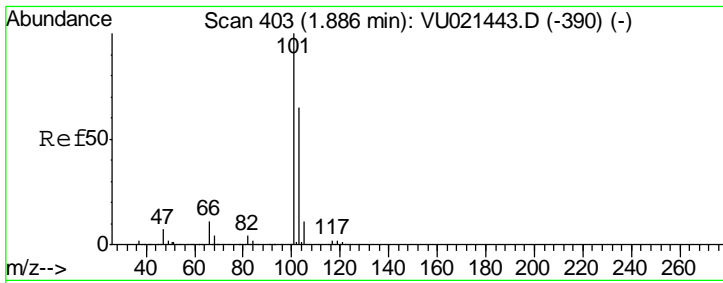
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 52.71 ug/l
 RT: 1.70 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

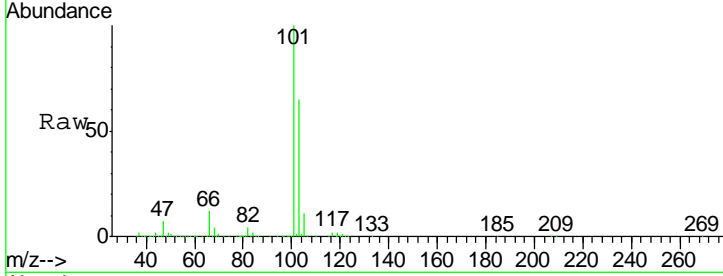
Tgt Ion	Resp	Lower	Upper
64	100		
66	32.8	25.8	38.8





#7
 Trichlorofluoromethane
 Concen: 50.51 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

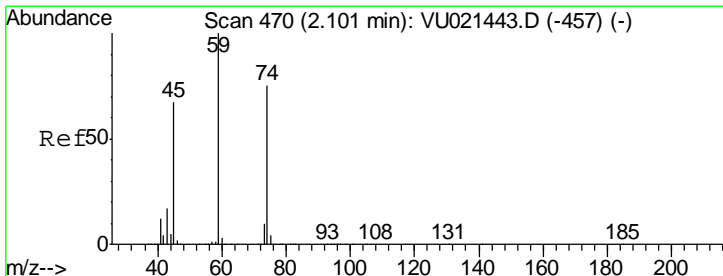
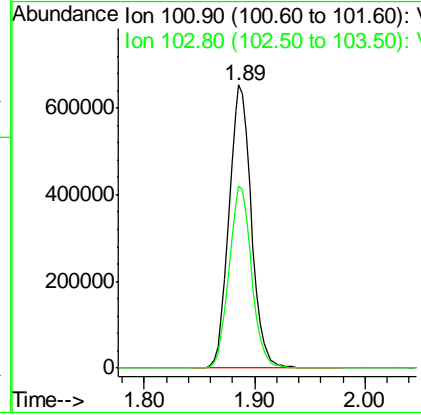
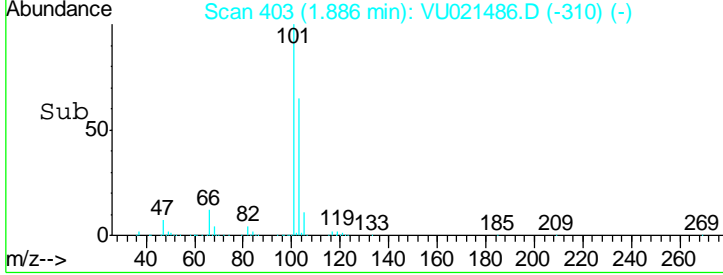
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



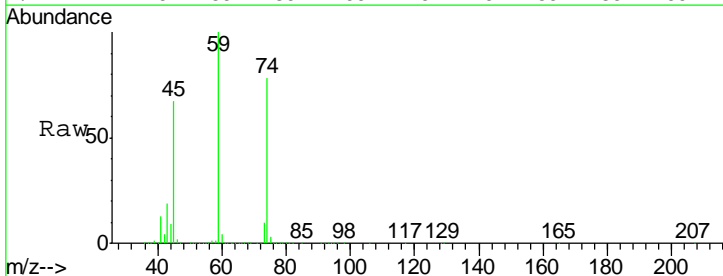
Tgt Ion: 101 Resp: 917654

Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.2

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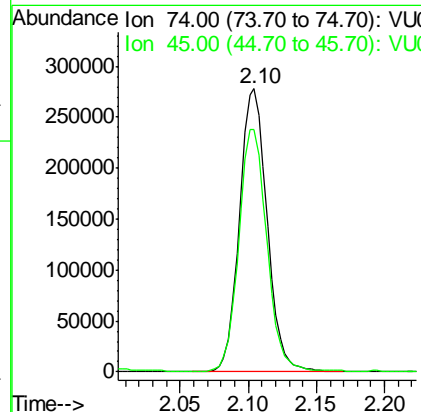
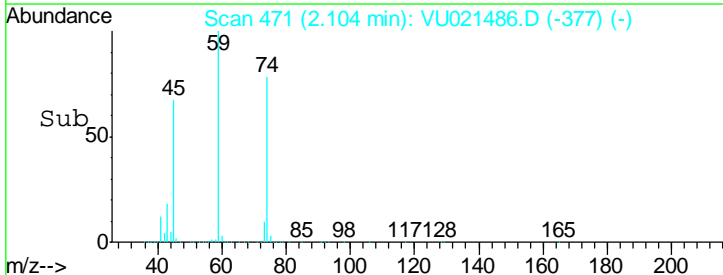


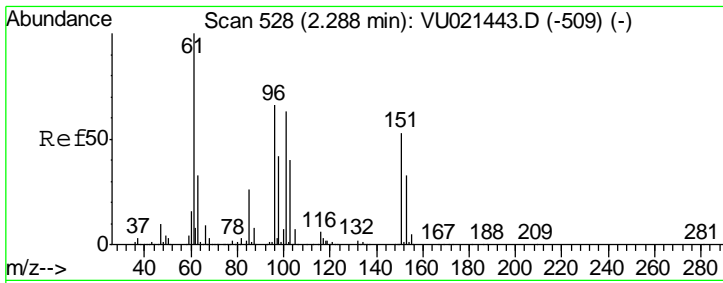
#8
 Diethyl Ether
 Concen: 51.91 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 74 Resp: 391369

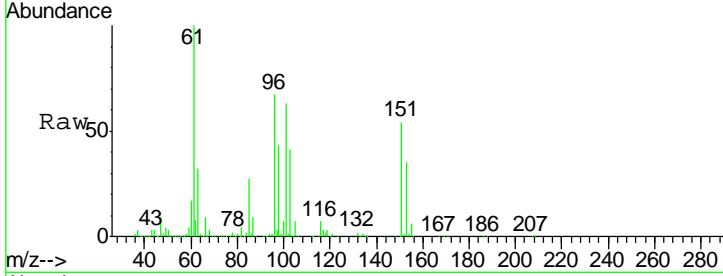
Ion	Ratio	Lower	Upper
74	100		
45	86.5	44.0	132.0





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.26 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

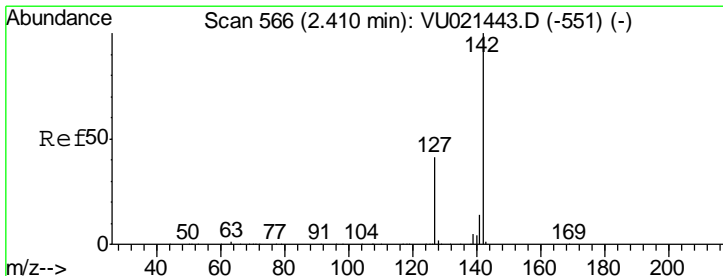
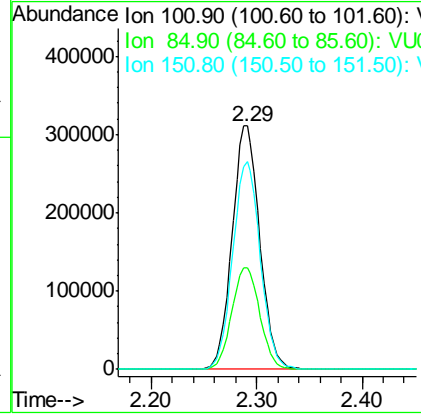
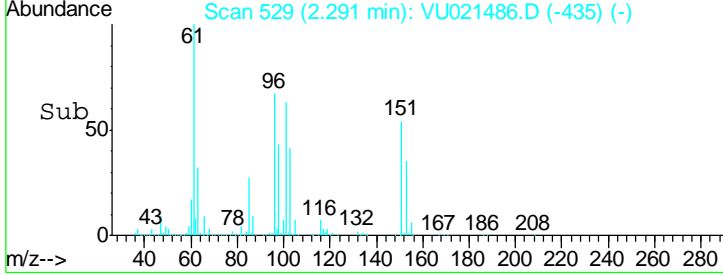
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



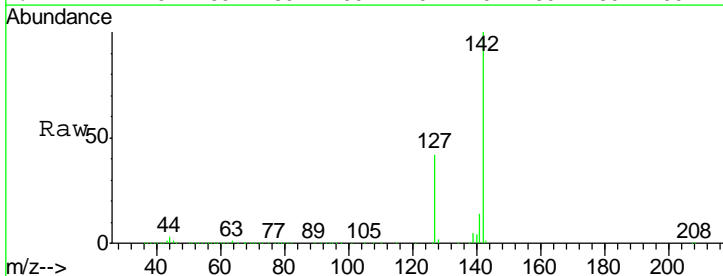
Tgt Ion: 101 Resp: 562004

Ion	Ratio	Lower	Upper
101	100		
85	42.4	33.2	49.8
151	85.4	67.1	100.7

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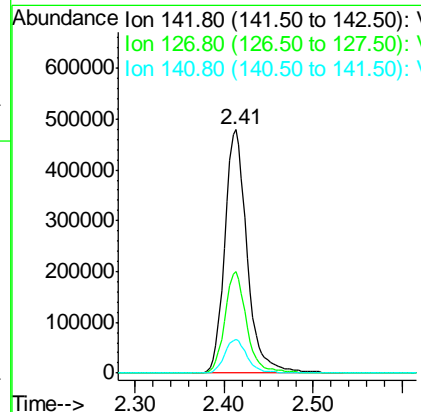
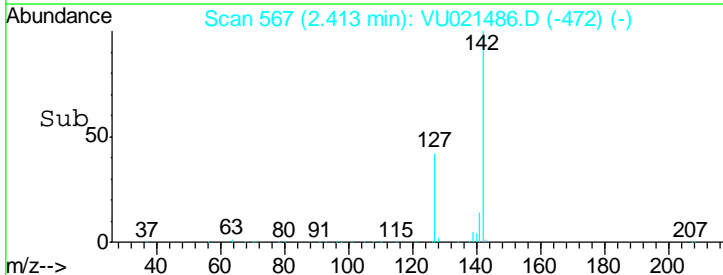


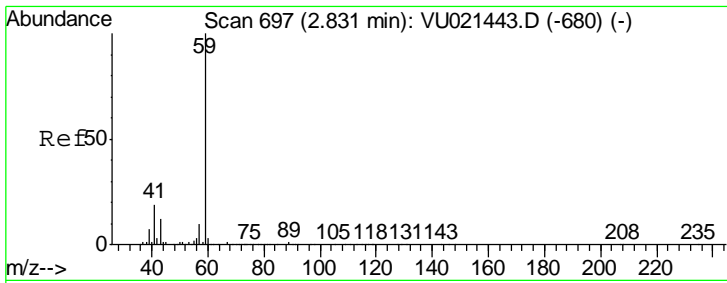
#10
 Methyl Iodide
 Concen: 51.38 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 142 Resp: 833100

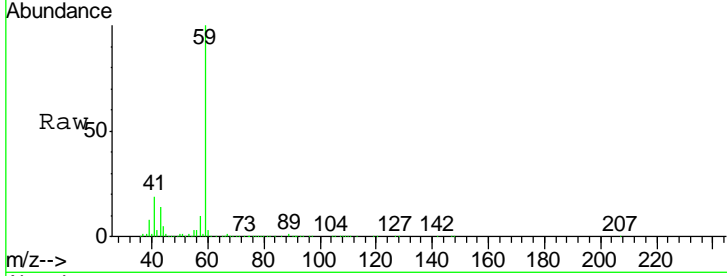
Ion	Ratio	Lower	Upper
142	100		
127	40.9	32.2	48.4
141	14.0	11.3	16.9





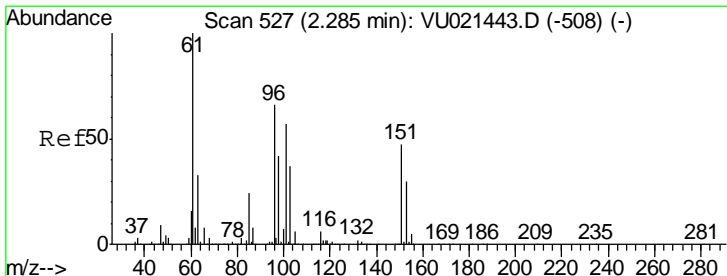
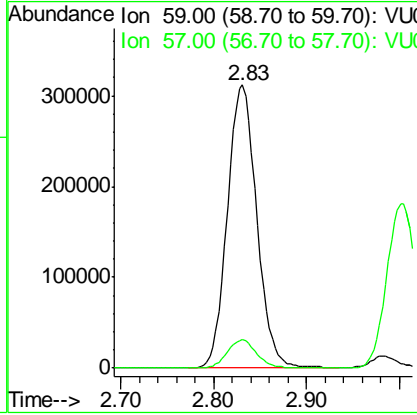
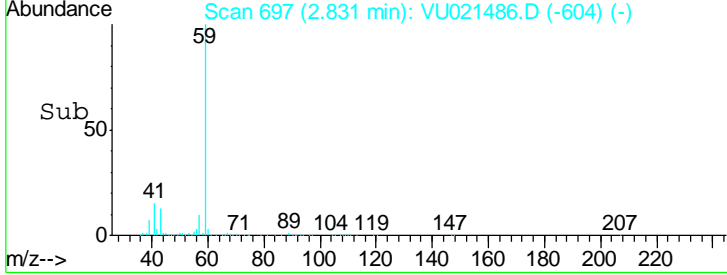
#11
 Tert butyl alcohol
 Concen: 250.15 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

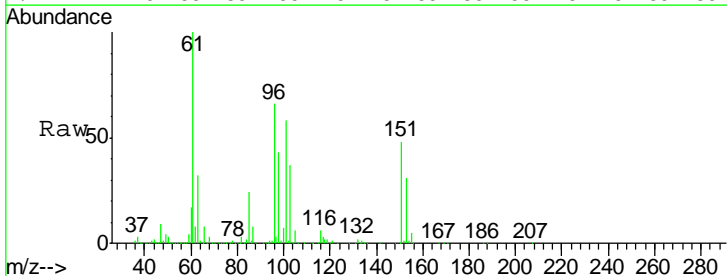


Tgt Ion: 59 Resp: 685736
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.7 11.5

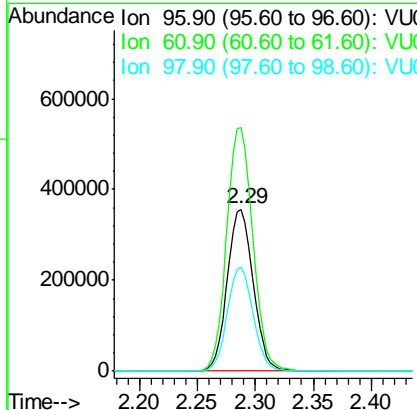
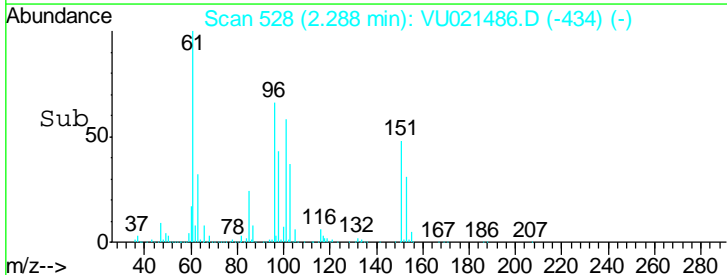
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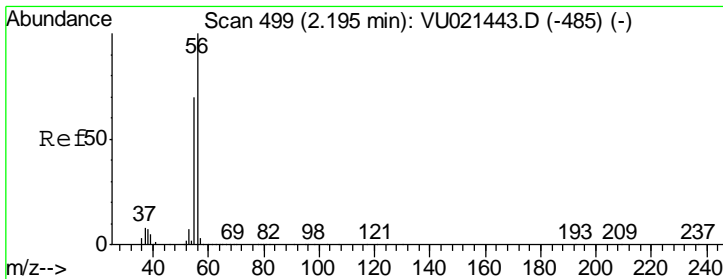


#12
 1,1-Dichloroethene
 Concen: 50.65 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



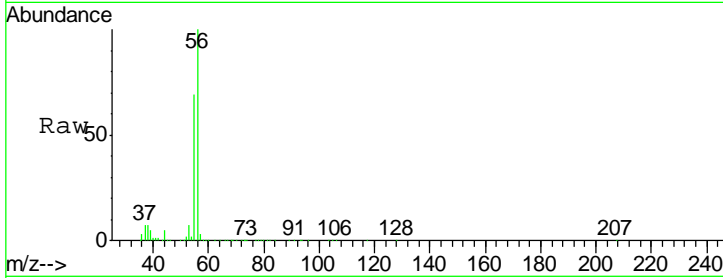
Tgt Ion: 96 Resp: 550026
 Ion Ratio Lower Upper
 96 100
 61 150.5 121.5 182.3
 98 64.6 50.9 76.3





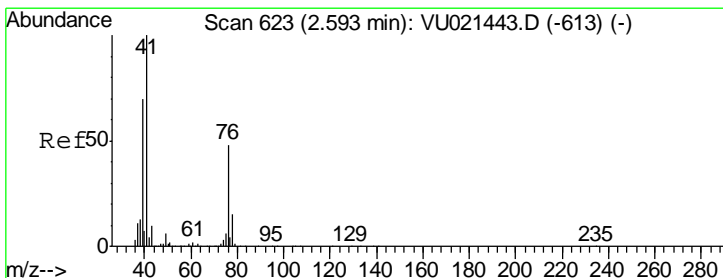
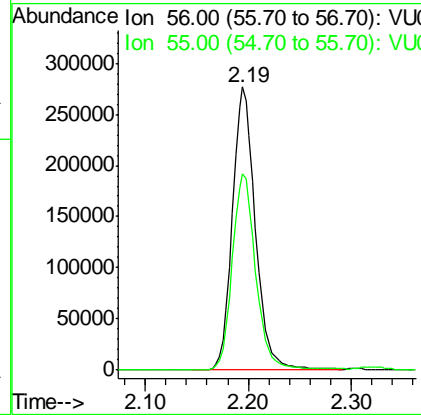
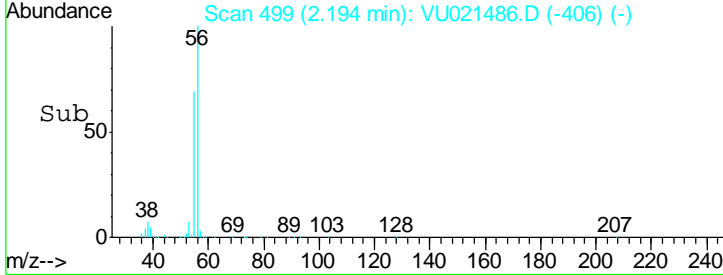
#13
 Acrolein
 Concen: 217.94 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

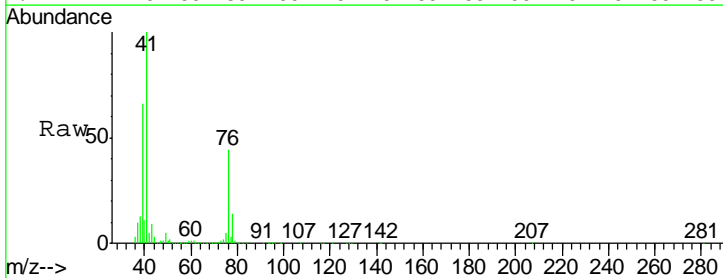


Tgt Ion: 56 Resp: 429290
 Ion Ratio Lower Upper
 56 100
 55 70.4 56.5 84.7

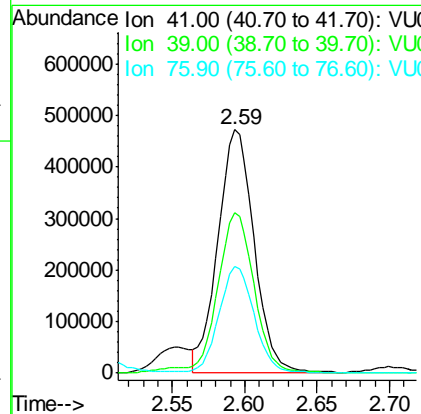
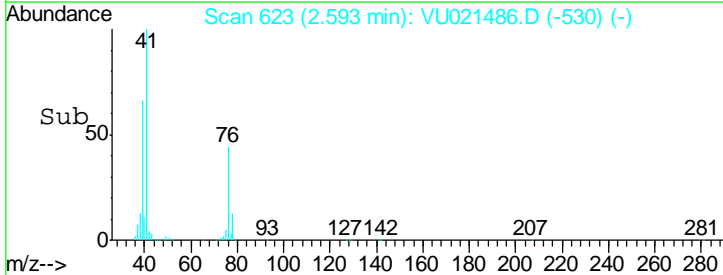
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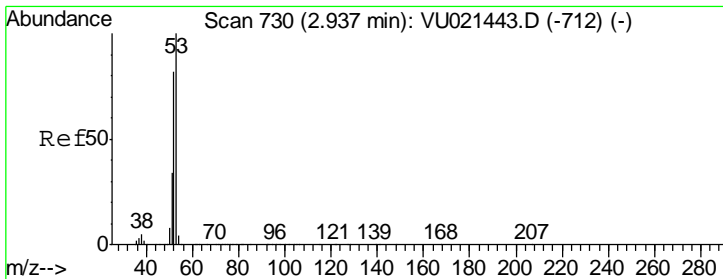


#14
 Allyl chloride
 Concen: 48.70 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



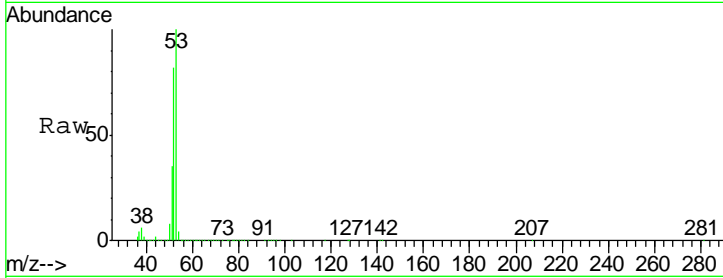
Tgt Ion: 41 Resp: 814109
 Ion Ratio Lower Upper
 41 100
 39 67.0 52.7 79.1
 76 42.9 34.0 51.0





#15
 Acrylonitrile
 Concen: 258.20 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

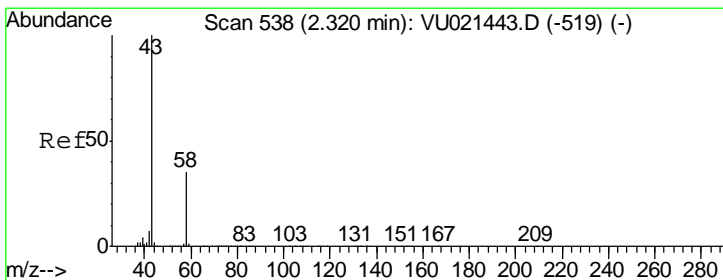
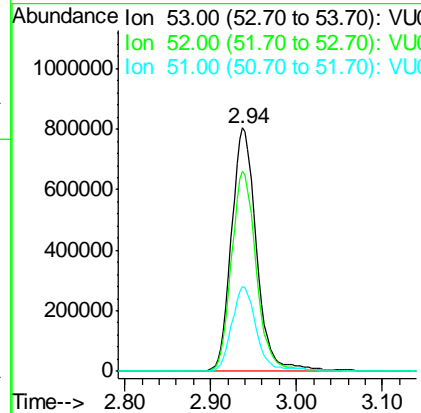
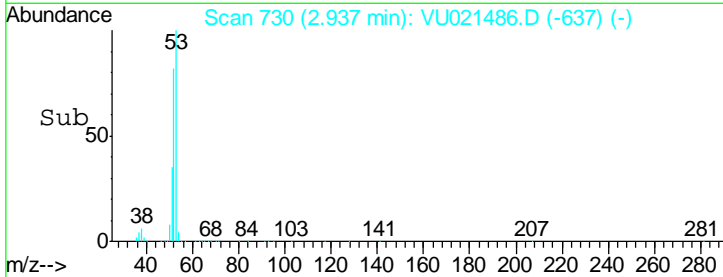
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



Tgt Ion: 53 Resp: 1628791

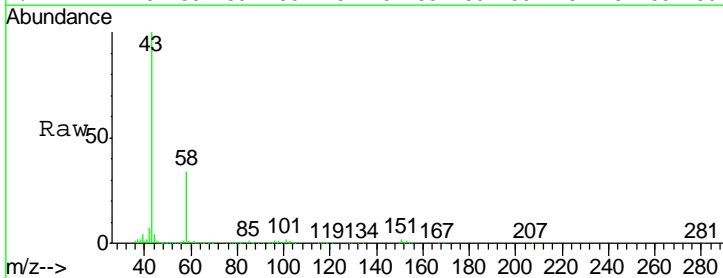
Ion	Ratio	Lower	Upper
53	100		
52	81.6	64.9	97.3
51	34.7	27.0	40.4

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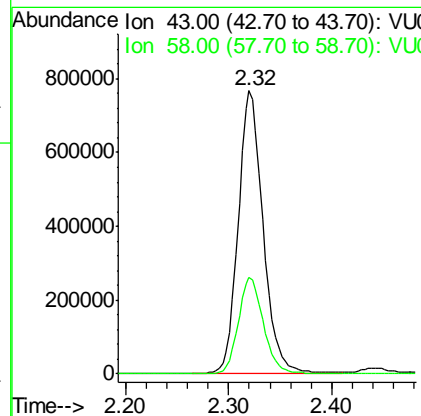
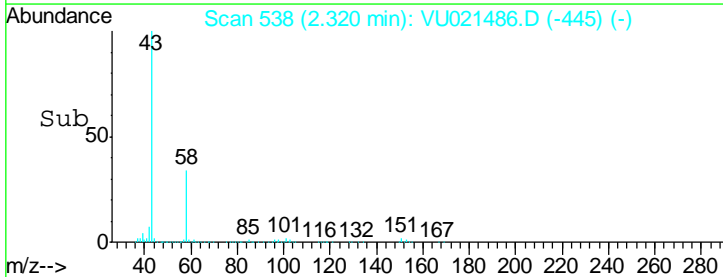
#16
 Acetone
 Concen: 196.48 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

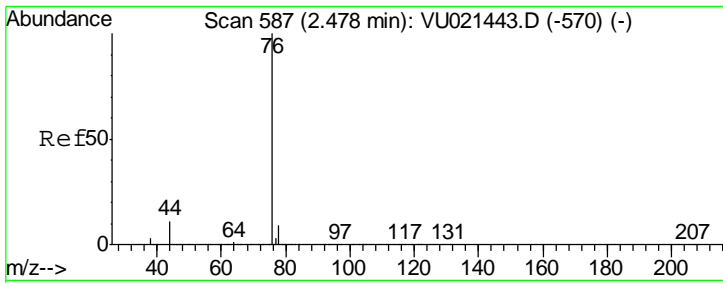
16



Tgt Ion: 43 Resp: 1287529

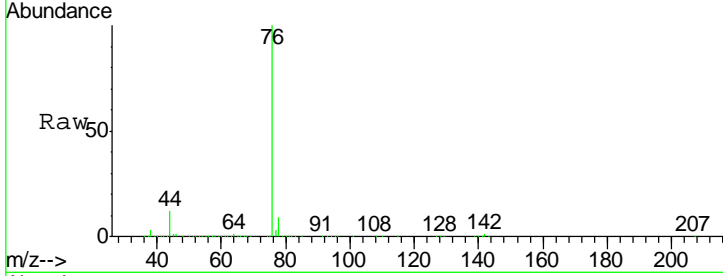
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.8	41.8





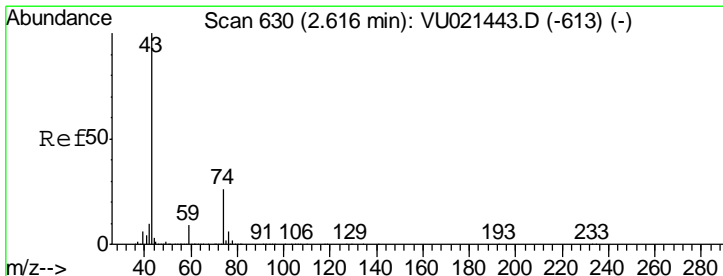
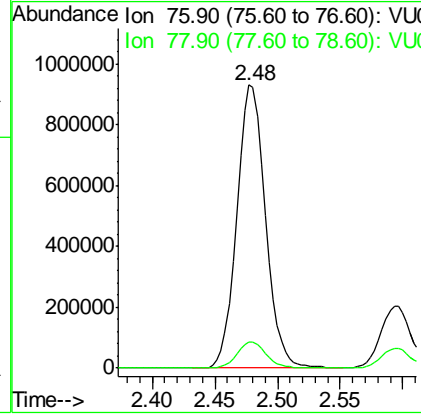
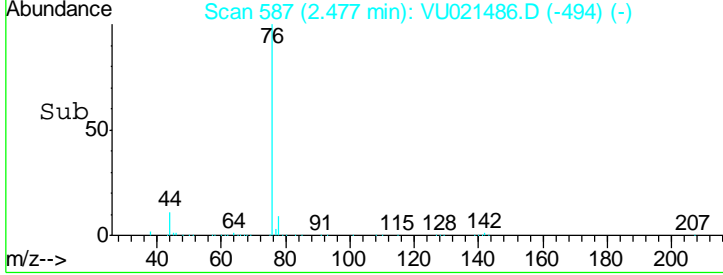
#17
 Carbon Disulfide
 Concen: 47.71 ug/l
 RT: 2.48 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



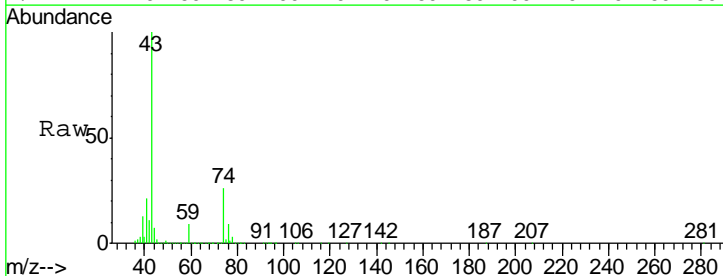
Tgt Ion: 76 Resp: 1482264
 Ion Ratio Lower Upper
 76 100
 78 9.0 7.1 10.7

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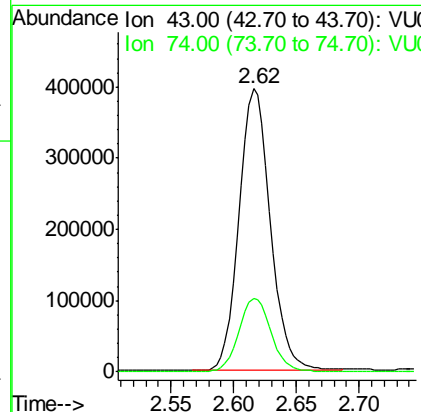
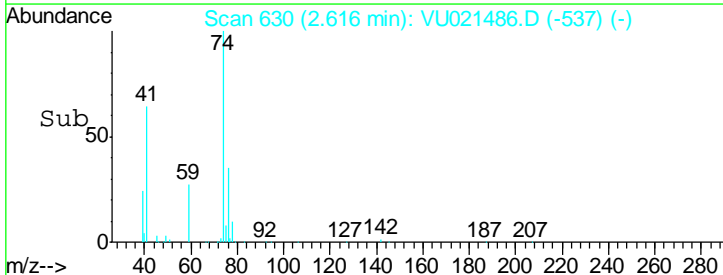


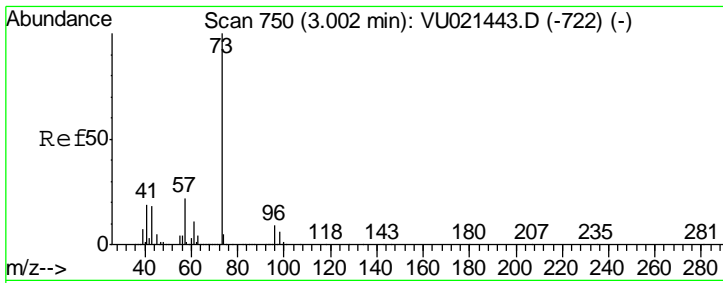
#18
 Methyl Acetate
 Concen: 49.19 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



Tgt Ion: 43 Resp: 687905
 Ion Ratio Lower Upper
 43 100
 74 26.8 21.3 31.9



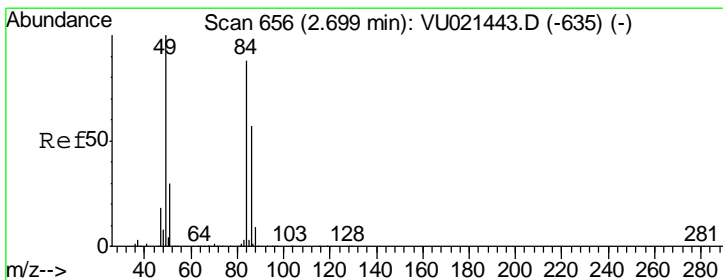
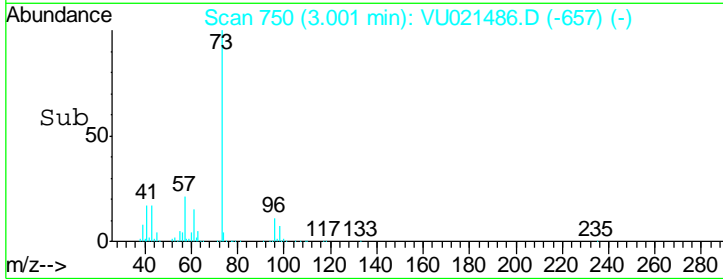
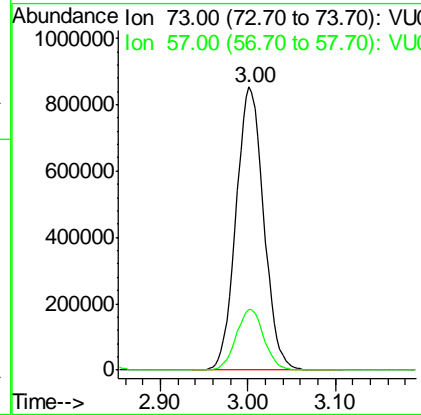
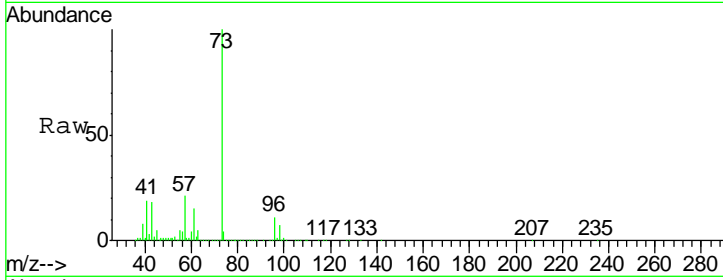


#19
 Methyl tert-butyl Ether
 Concen: 51.07 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion	Resp	Lower	Upper
73	1868018		
73	100		
57	21.3	17.6	26.4

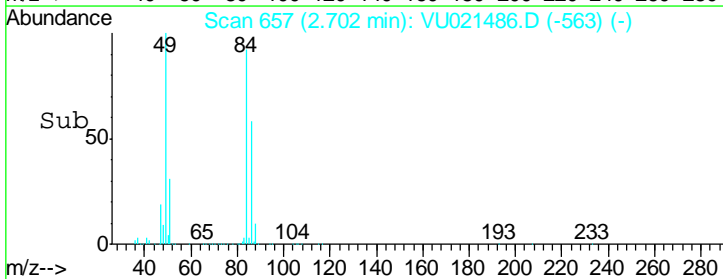
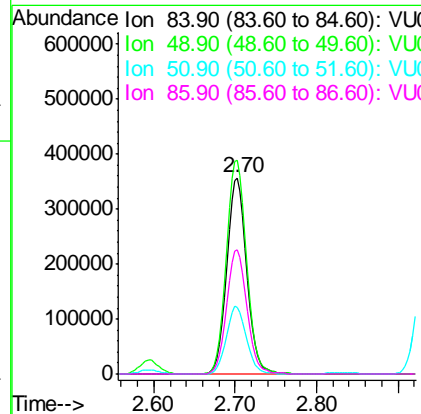
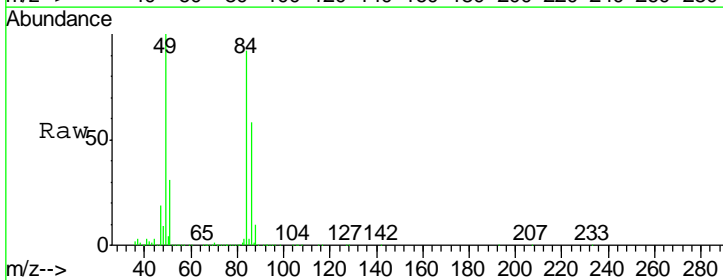
Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MSD

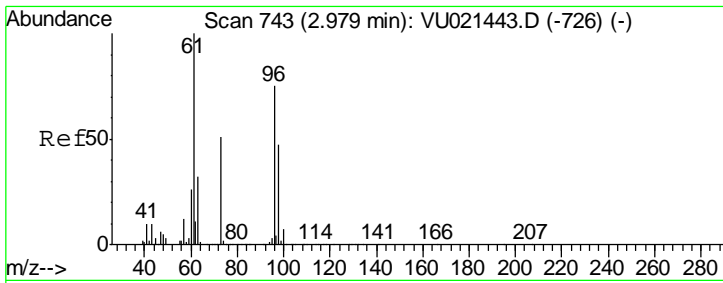
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#20
 Methylene Chloride
 Concen: 50.44 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

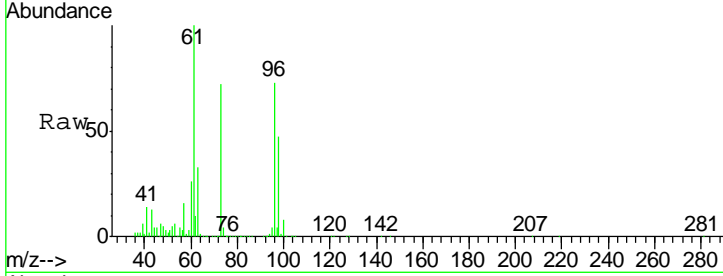
Tgt Ion	Resp	Lower	Upper
84	619100		
84	100		
49	109.0	90.4	135.6
51	34.1	27.4	41.2
86	63.6	51.5	77.3





#21
 trans-1,2-Dichloroethene
 Concen: 50.16 ug/l
 RT: 2.98 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

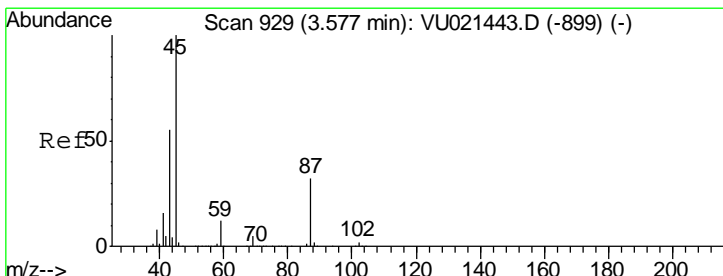
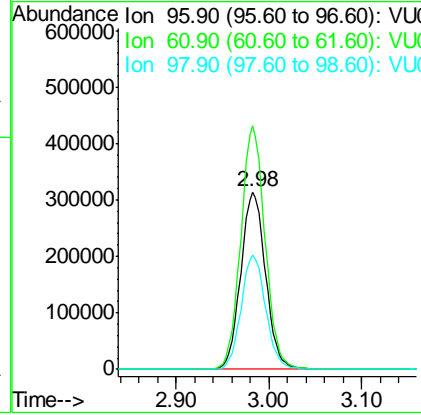
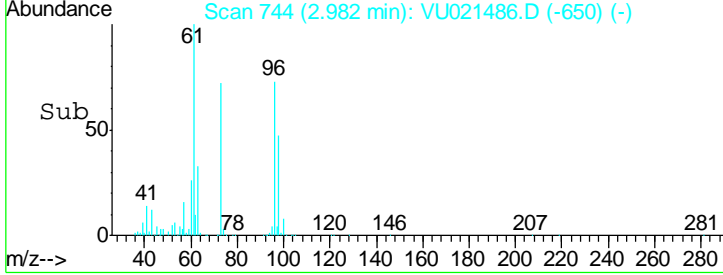
Instrument : MSVOA_U
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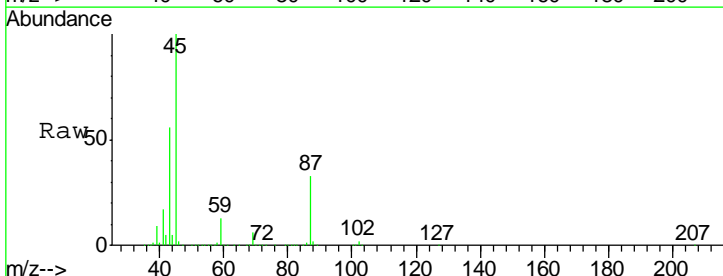
Tgt Ion: 96 Resp: 583372

Ion	Ratio	Lower	Upper
96	100		
61	137.1	106.2	159.4
98	64.2	49.6	74.4

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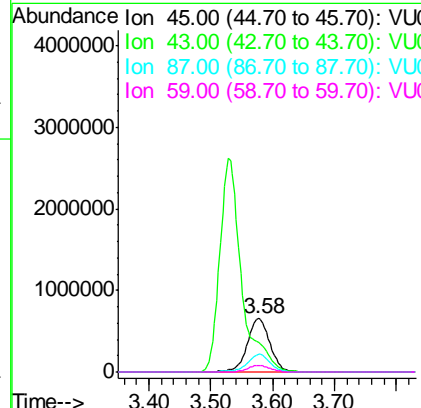
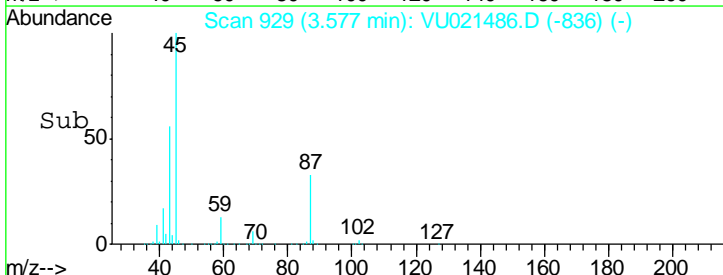


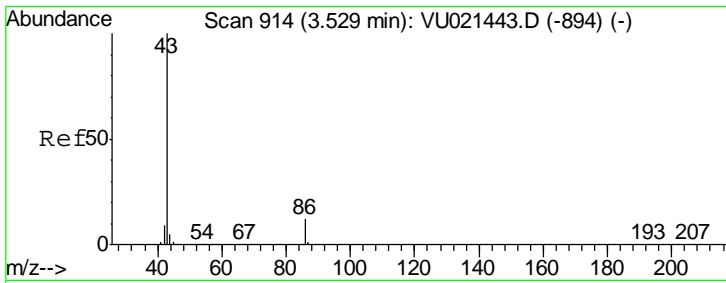
#22
 Diisopropyl ether
 Concen: 50.57 ug/l
 RT: 3.58 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 45 Resp: 1654653

Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.2	66.2
87	33.0	25.8	38.6
59	12.7	10.0	15.0





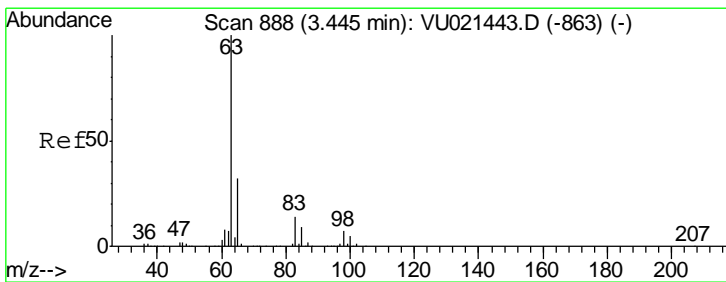
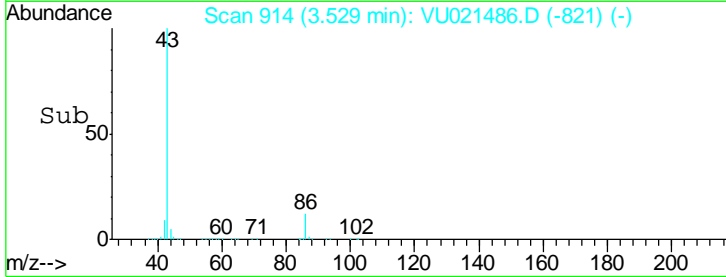
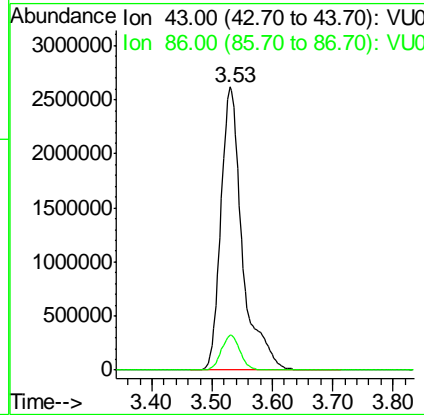
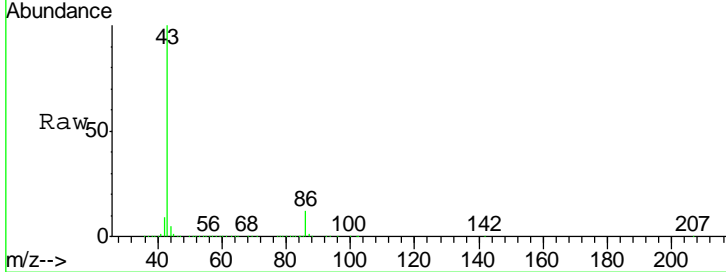
#23
 Vinyl Acetate
 Concen: 246.20 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion: 43 Resp: 6417336

Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.8	14.6

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

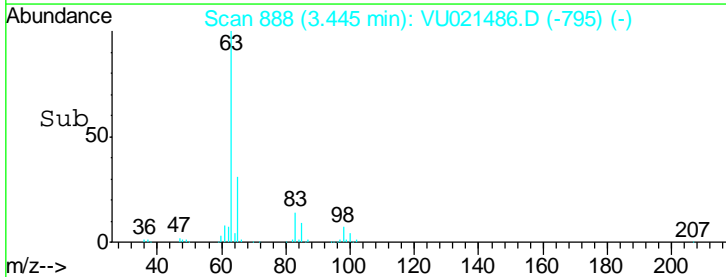
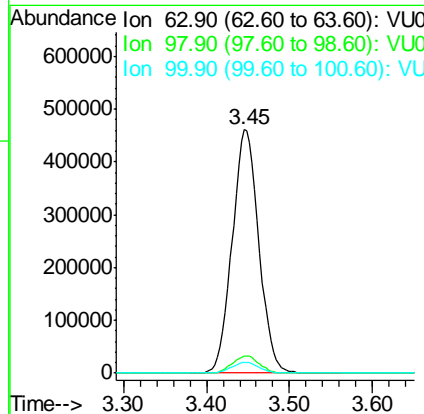
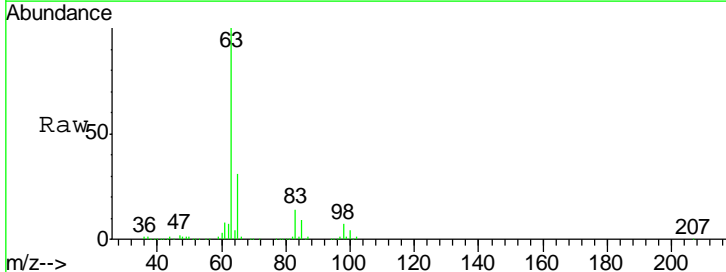
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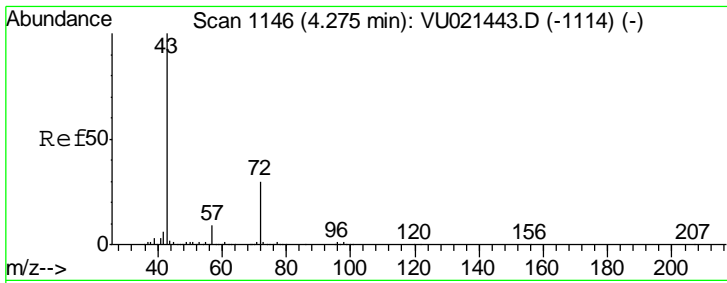


#24
 1,1-Dichloroethane
 Concen: 50.60 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion: 63 Resp: 1029007

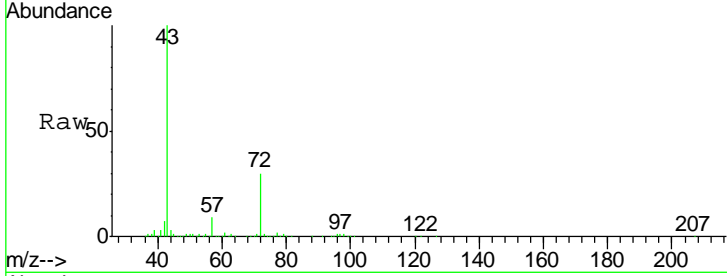
Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.5	2.3	6.9





#25
 2-Butanone
 Concen: 234.32 ug/l
 RT: 4.27 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

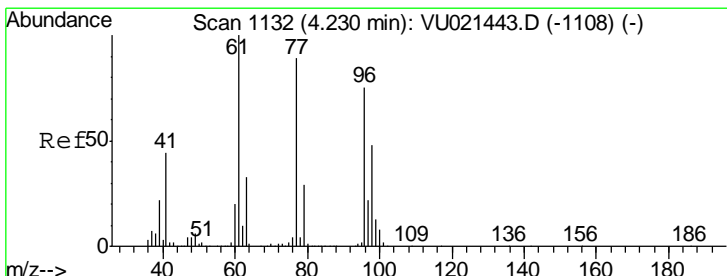
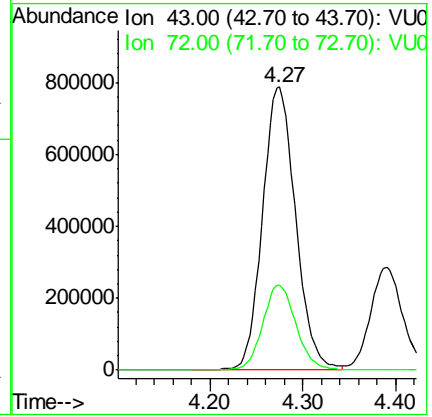
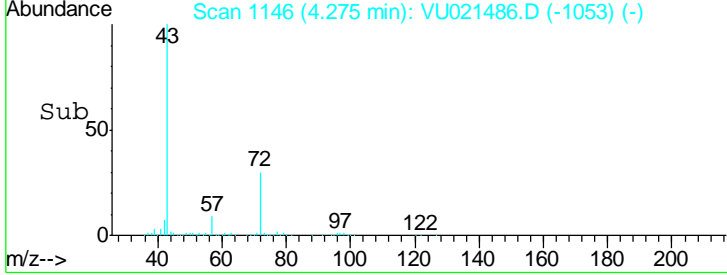
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



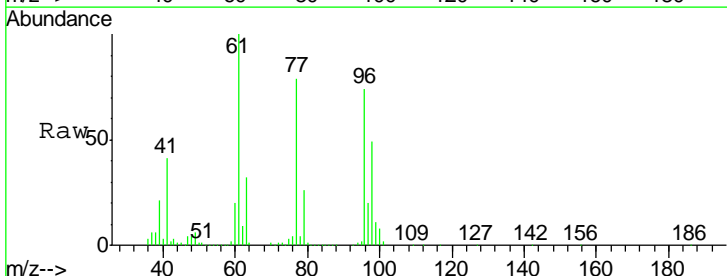
Tgt Ion: 43 Resp: 1950290

Ion	Ratio	Lower	Upper
43	100		
72	30.1	23.7	35.5

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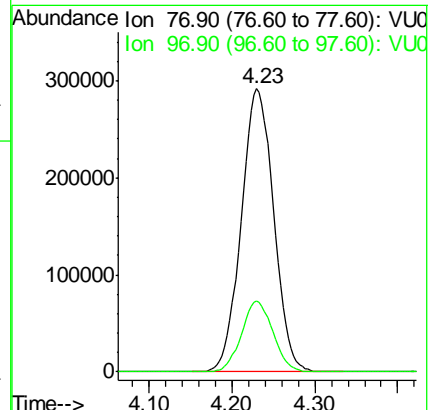
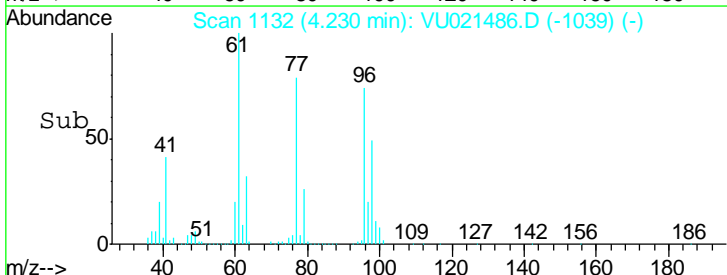


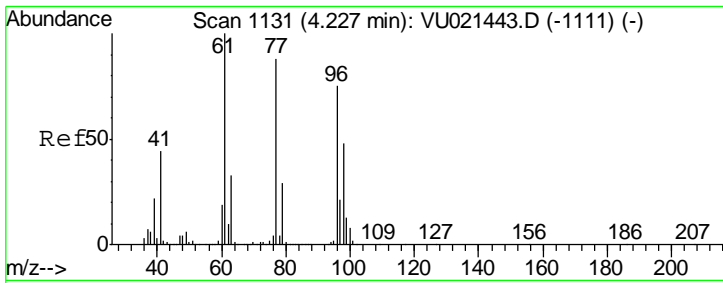
#26
 2,2-Dichloropropane
 Concen: 45.52 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 77 Resp: 792876

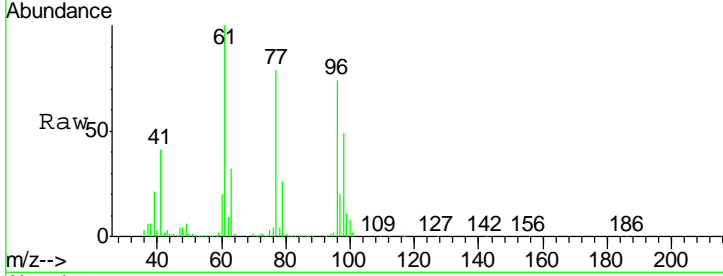
Ion	Ratio	Lower	Upper
77	100		
97	24.3	12.0	36.1





#27
 cis-1,2-Dichloroethene
 Concen: 49.63 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

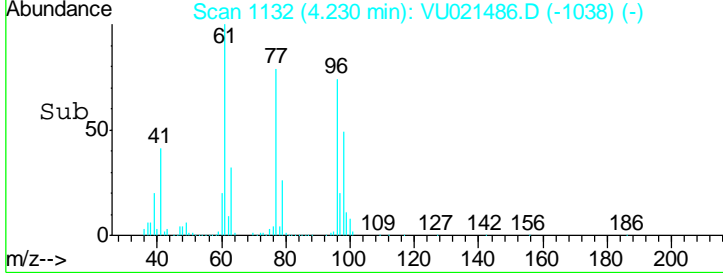
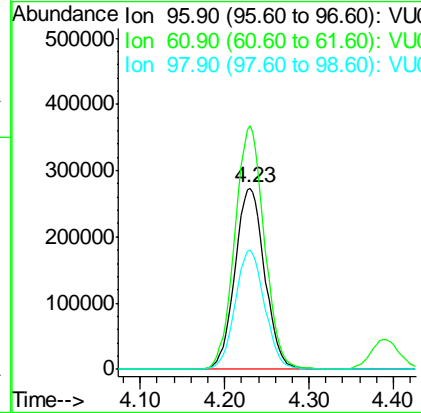
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



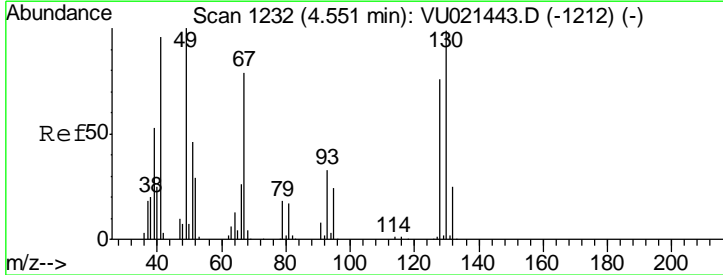
Tgt Ion: 96 Resp: 670722

Ion	Ratio	Lower	Upper
96	100		
61	133.8	0.0	270.2
98	65.3	0.0	128.2

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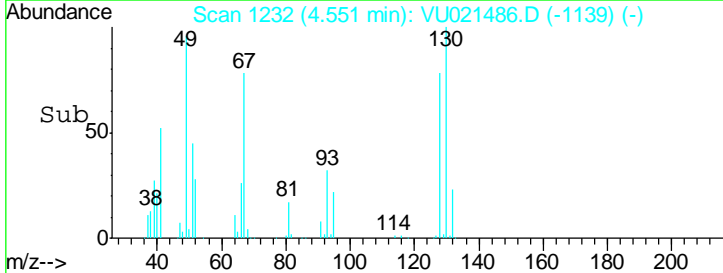
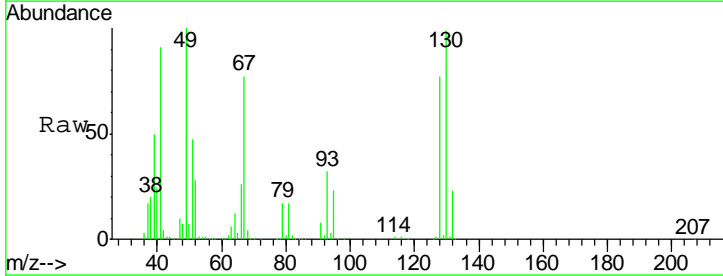
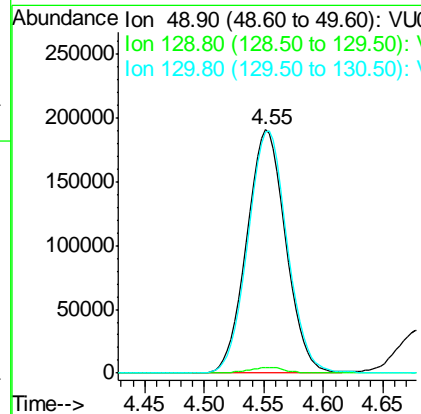


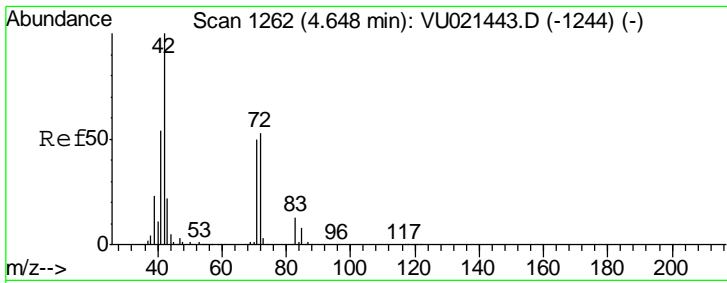
#28
 Bromochloromethane
 Concen: 51.22 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 49 Resp: 434139

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	100.4	79.1	118.7





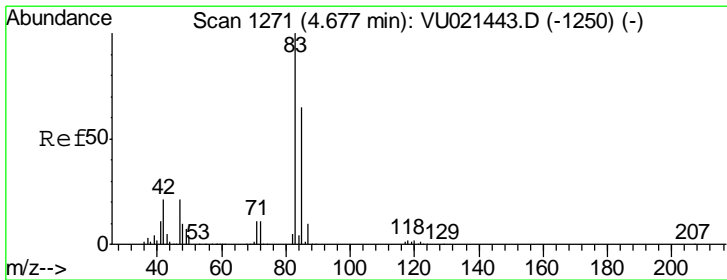
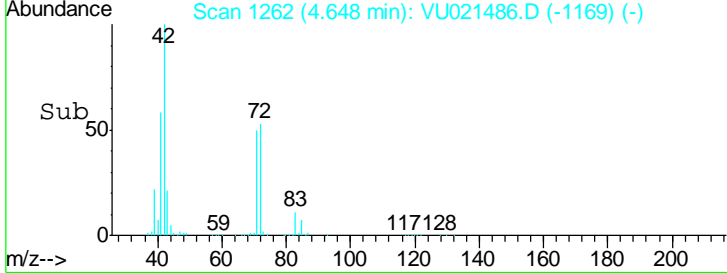
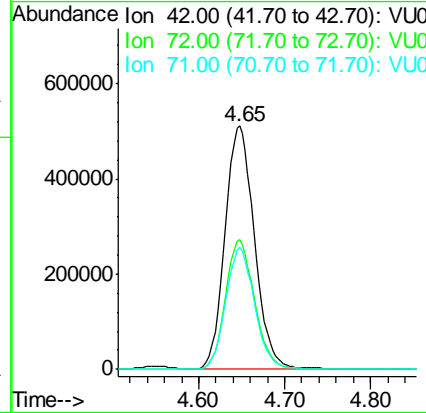
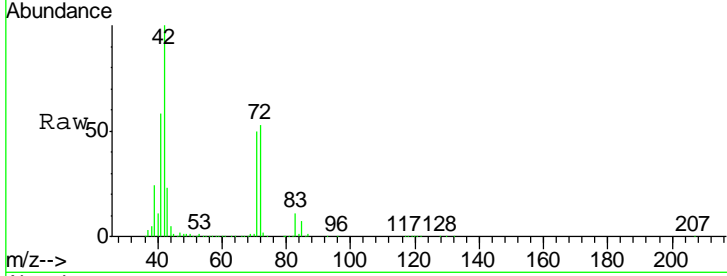
#29
 Tetrahydrofuran
 Concen: 248.47 ug/l
 RT: 4.65 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion: 42 Resp: 1206573

Ion	Ratio	Lower	Upper
42	100		
72	52.8	42.0	63.0
71	49.5	39.4	59.2

Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MSD

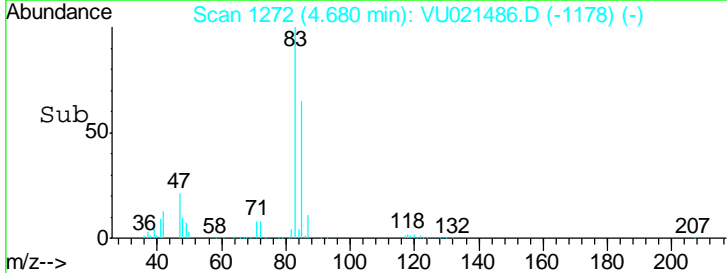
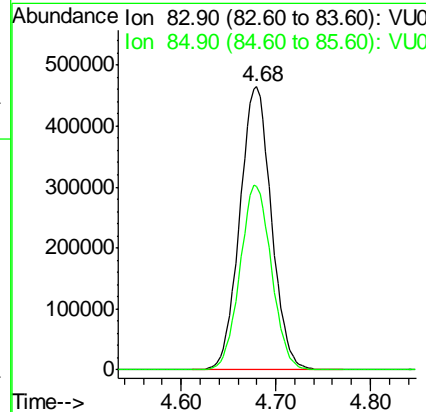
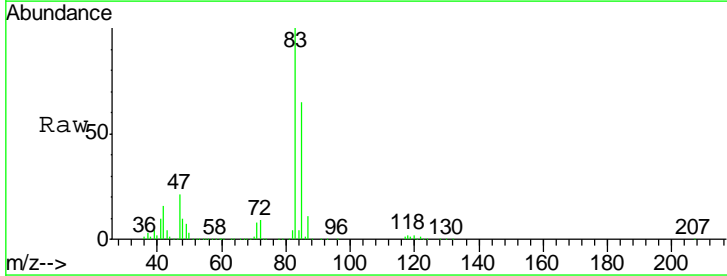
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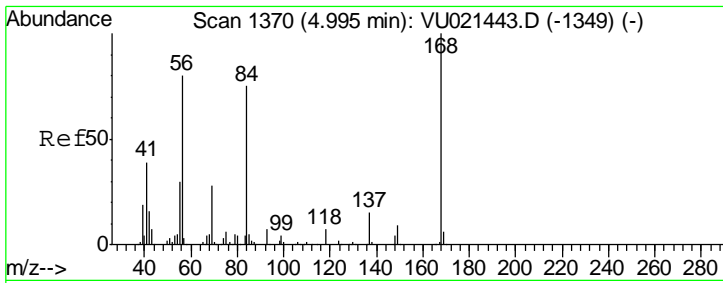


#30
 Chloroform
 Concen: 51.43 ug/l
 RT: 4.68 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion: 83 Resp: 1075368

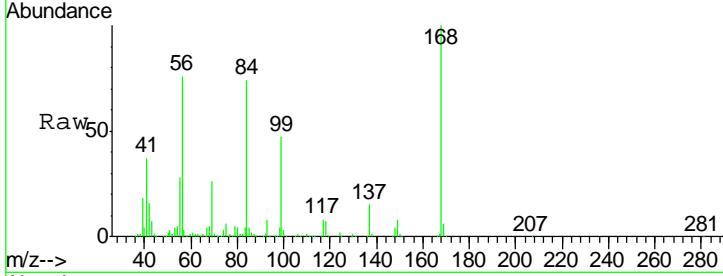
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.1	78.1





#31
 Cyclohexane
 Concen: 50.12 ug/l
 RT: 4.99 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

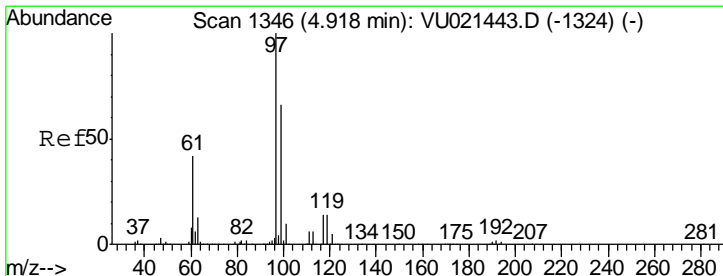
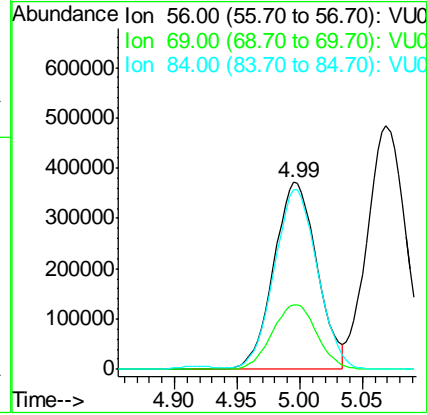
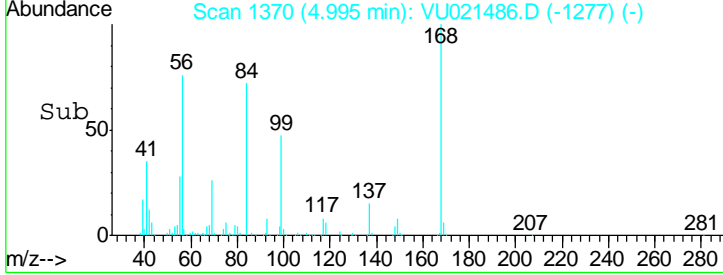
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



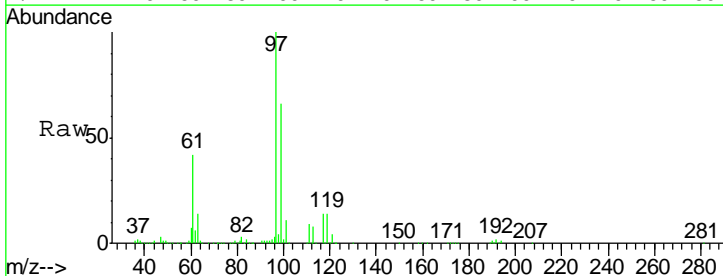
Tgt Ion: 56 Resp: 891661

Ion	Ratio	Lower	Upper
56	100		
69	34.6	28.3	42.5
84	94.7	75.6	113.4

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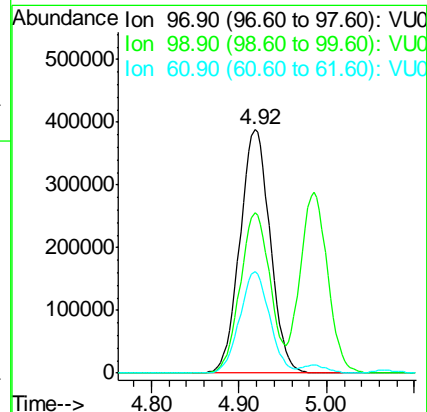
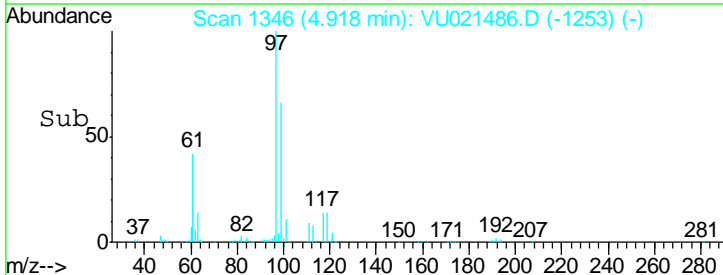


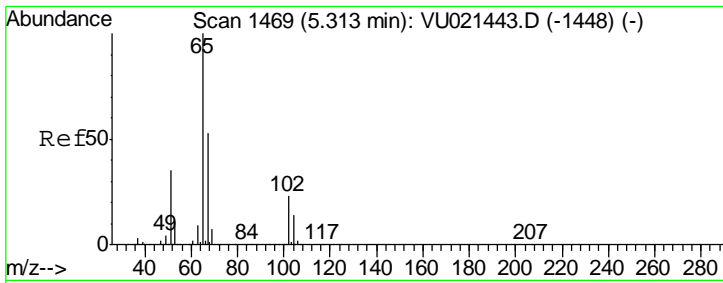
#32
 1,1,1-Trichloroethane
 Concen: 50.69 ug/l
 RT: 4.92 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 97 Resp: 930254

Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.8	77.6
61	41.5	33.1	49.7



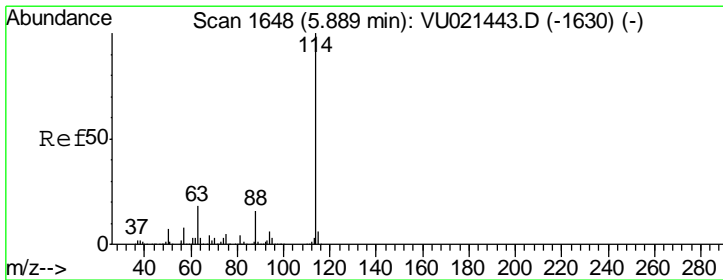
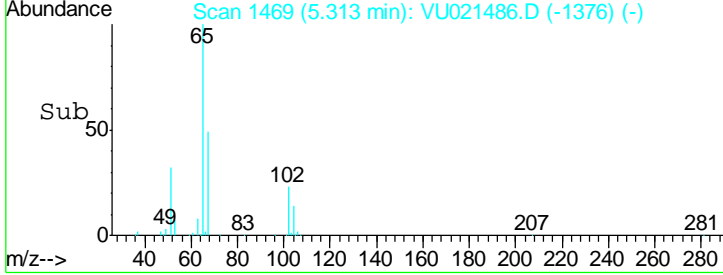
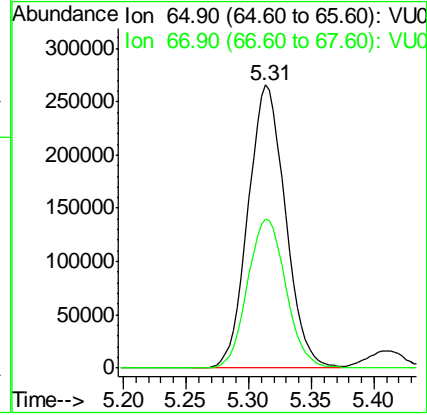
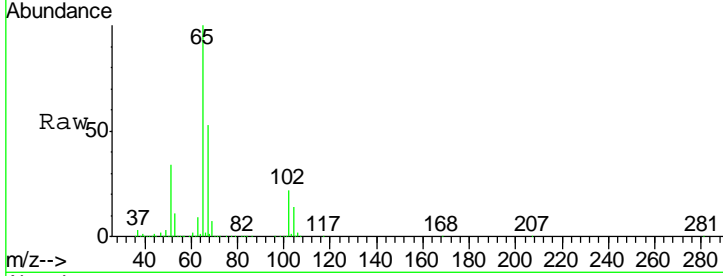


#33
 1,2-Dichloroethane-d4
 Concen: 50.03 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

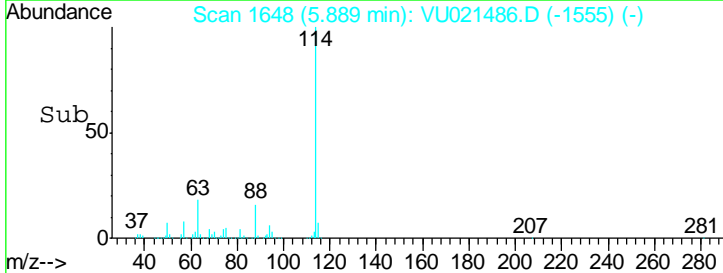
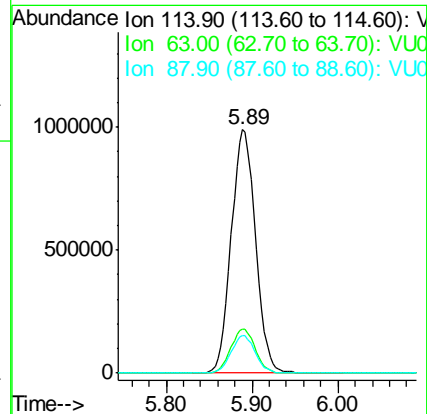
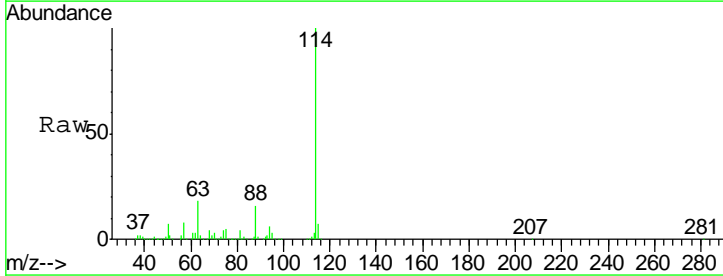
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.5	0.0	106.6

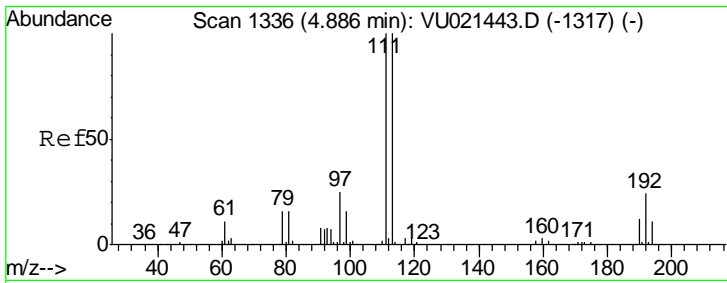
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

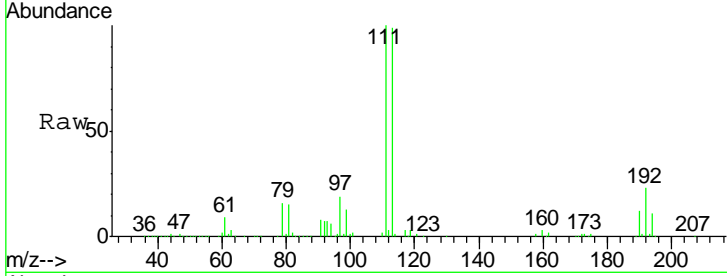
Tgt Ion	Resp	Lower	Upper
114	100		
63	18.3	0.0	36.6
88	15.5	0.0	31.2





#35
 Dibromofluoromethane
 Concen: 48.09 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

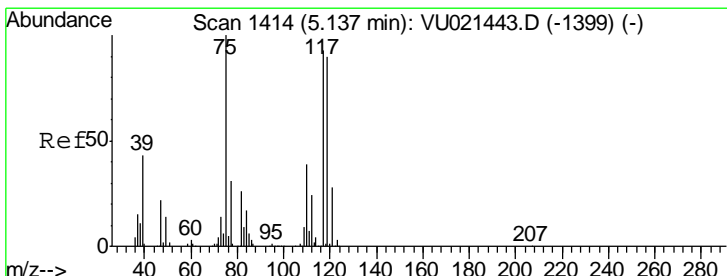
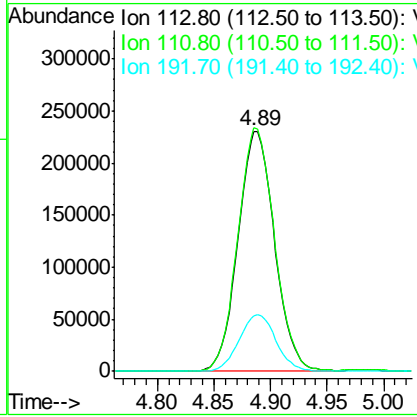
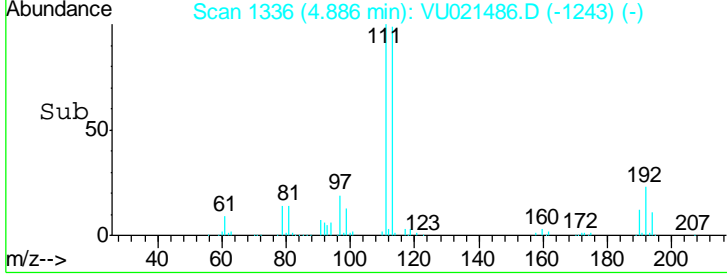
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



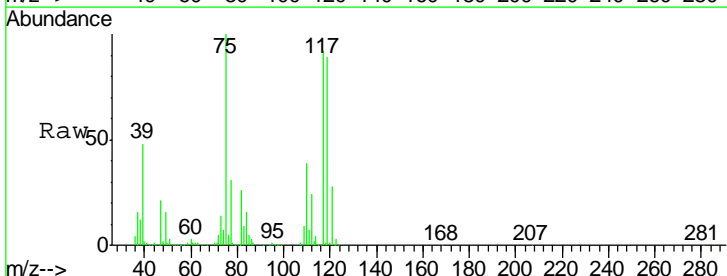
Tgt Ion: 113 Resp: 517619

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.2
192	24.0	19.0	28.4

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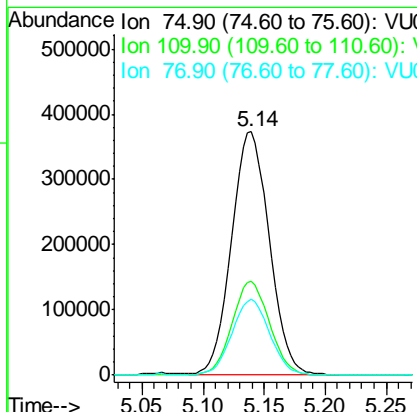
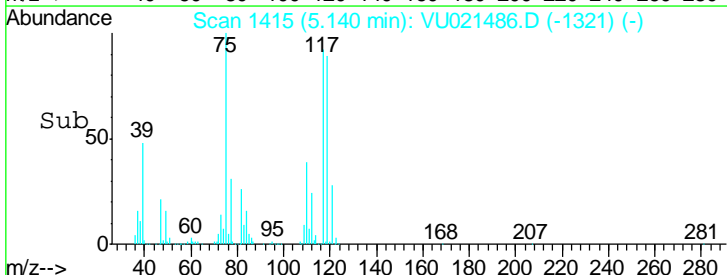


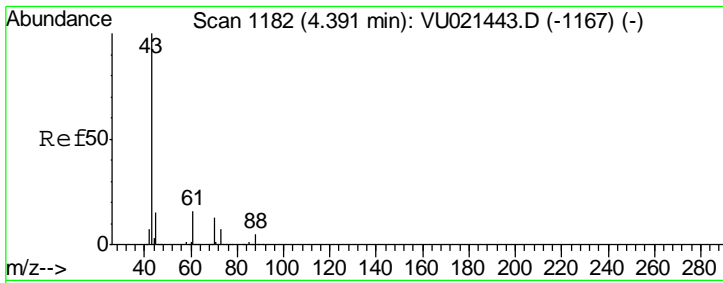
#36
 1,1-Dichloropropene
 Concen: 47.98 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 75 Resp: 797725

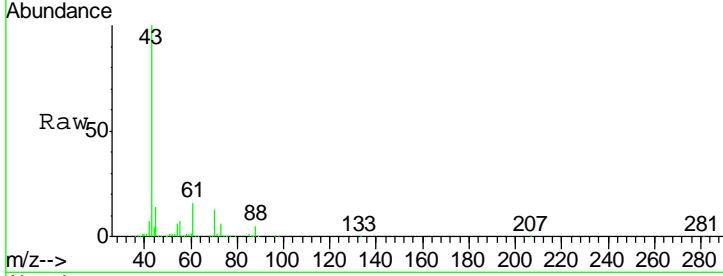
Ion	Ratio	Lower	Upper
75	100		
110	38.4	19.3	57.9
77	31.1	24.9	37.3





#37
Ethyl Acetate
Concen: 47.18 ug/l
RT: 4.39 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU021486.D
Acq: 04 Jan 2018 20:58

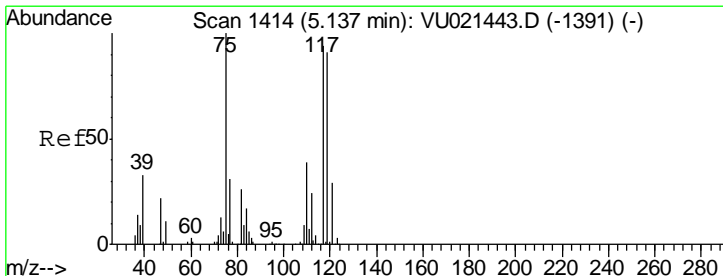
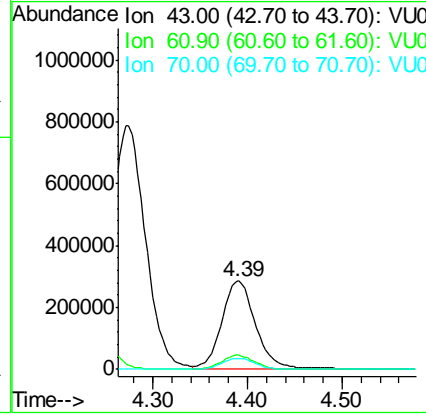
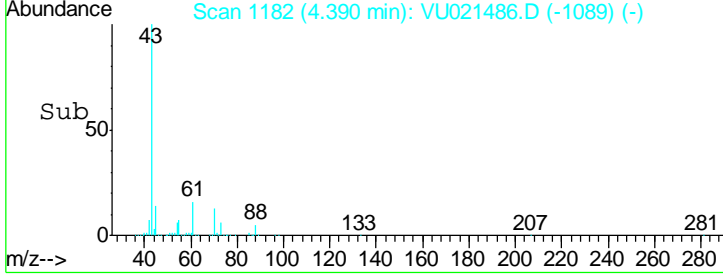
Instrument : MSVOA_U
Client Sampled : 918-MW-07(22.5)MSD



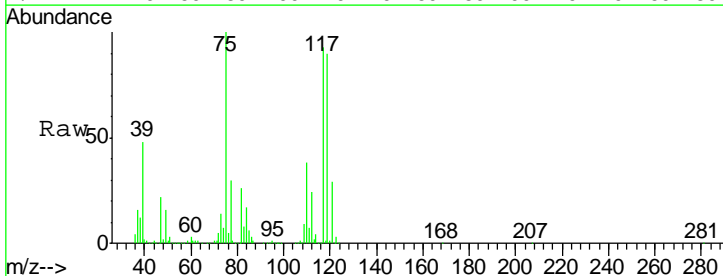
Tgt Ion: 43 Resp: 694458

Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.2	18.2
70	12.4	10.2	15.4

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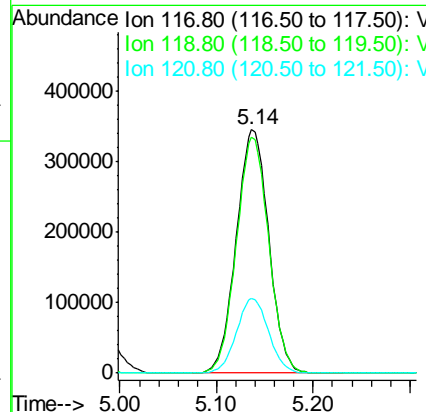
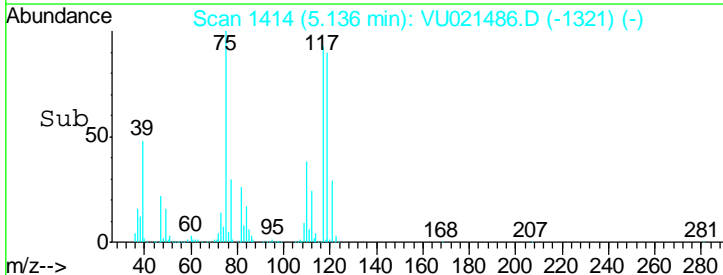


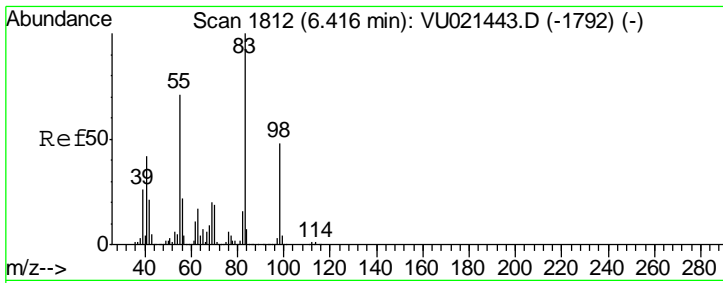
#38
Carbon Tetrachloride
Concen: 49.46 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU021486.D
Acq: 04 Jan 2018 20:58



Tgt Ion: 117 Resp: 806436

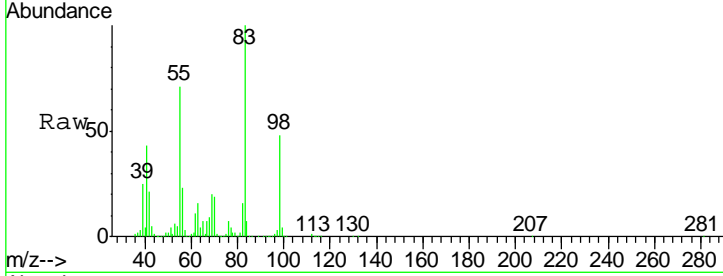
Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.1	115.7
121	30.8	24.4	36.6





#39
 Methylcyclohexane
 Concen: 46.72 ug/l
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

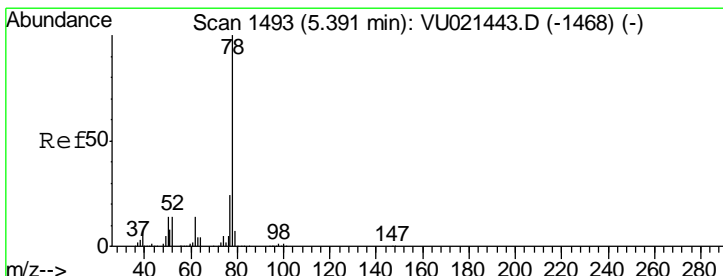
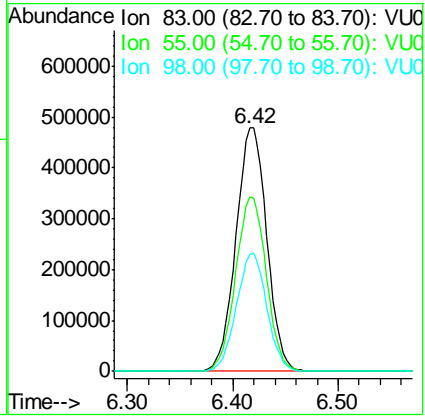
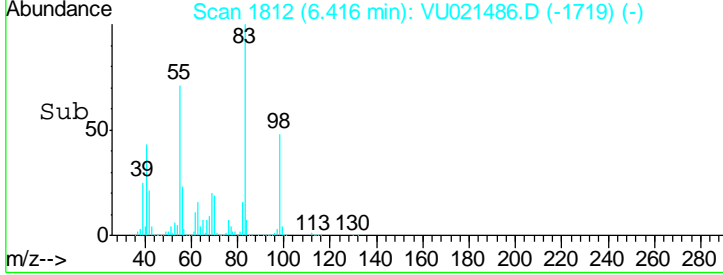
Instrument : MSVOA_U
 ClientSampleId : 918-MW-07(22.5)MSD



Tgt Ion: 83 Resp: 970295

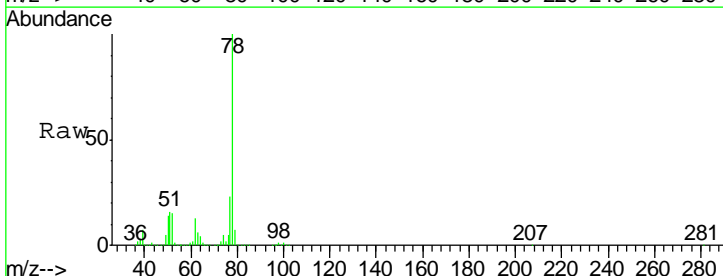
Ion	Ratio	Lower	Upper
83	100		
55	71.4	56.8	85.2
98	48.0	38.1	57.1

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#40
 Benzene
 Concen: 49.56 ug/l
 RT: 5.39 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

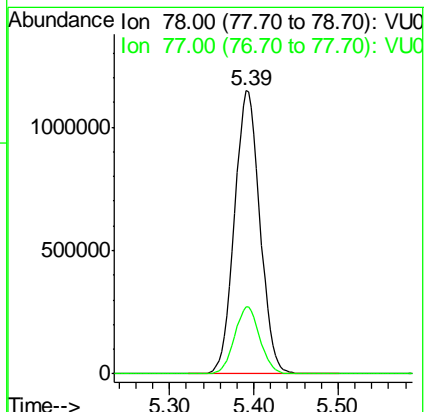
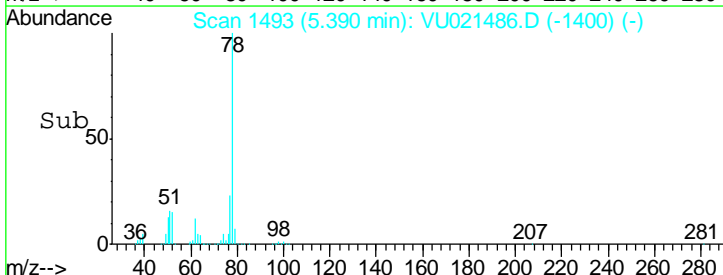
Instrument : MSVOA_U
 ClientSampleId : 918-MW-07(22.5)MSD

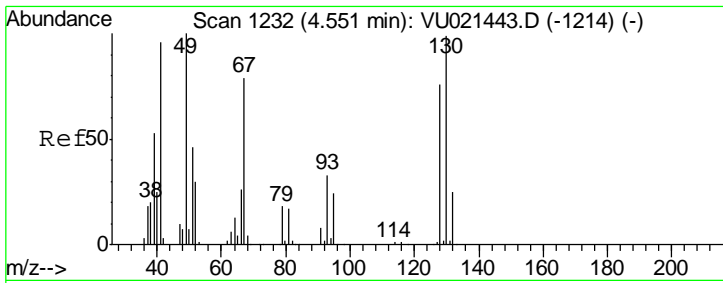


Tgt Ion: 78 Resp: 2413738

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3

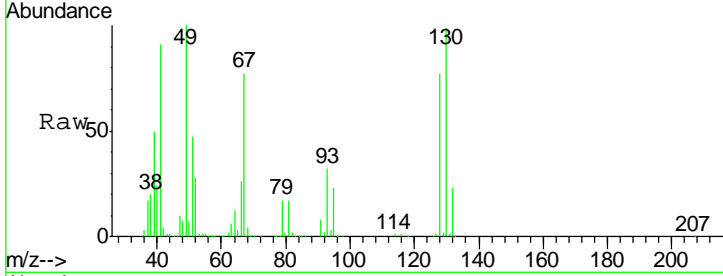
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#41
 Methacrylonitrile
 Concen: 50.69 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

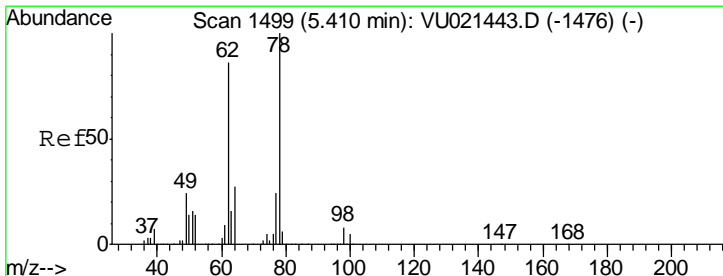
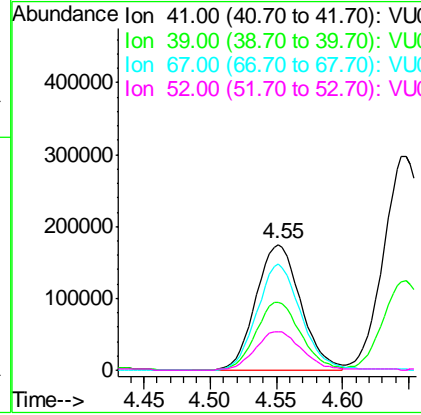
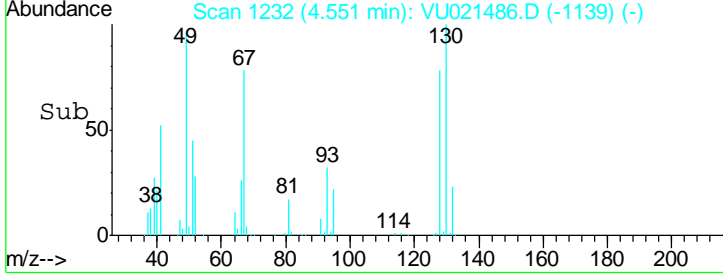
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



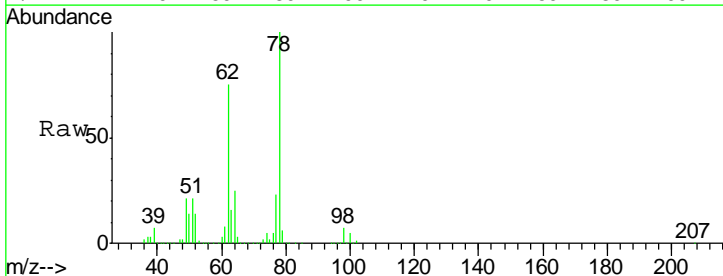
Tgt Ion: 41 Resp: 409162

Ion	Ratio	Lower	Upper
41	100		
39	54.2	44.3	66.5
67	83.7	67.2	100.8
52	31.5	25.0	37.6

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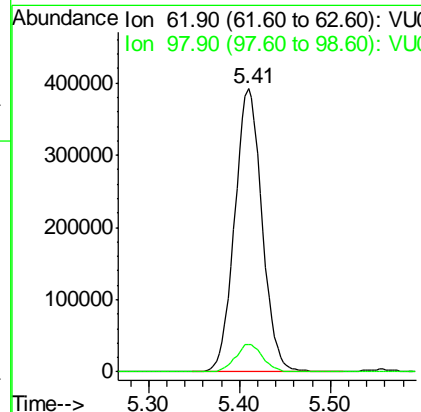
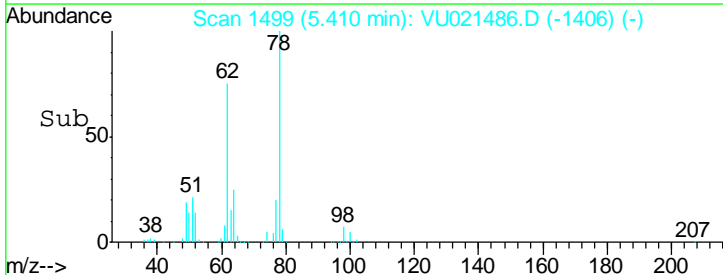


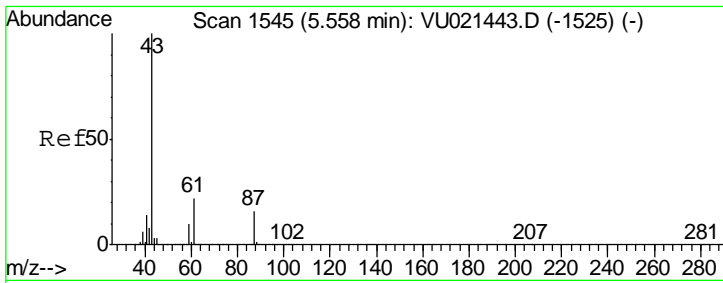
#42
 1,2-Dichloroethane
 Concen: 49.40 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 62 Resp: 820070

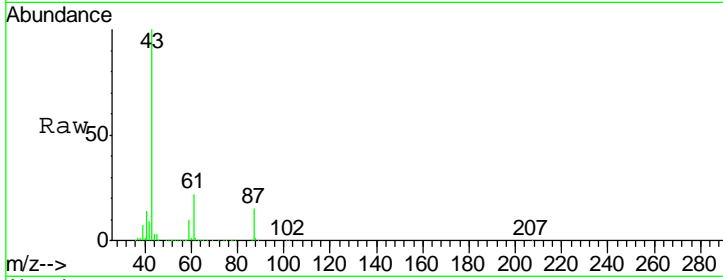
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6





#43
 Isopropyl Acetate
 Concen: 47.72 ug/l
 RT: 5.55 min Scan# 1544
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

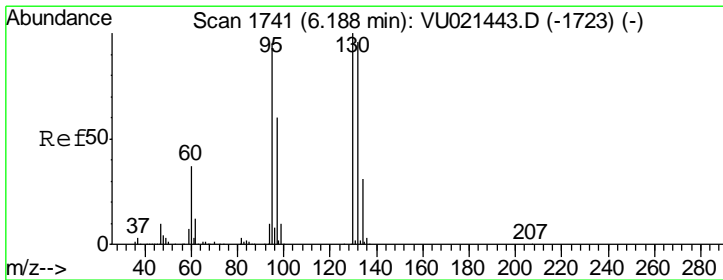
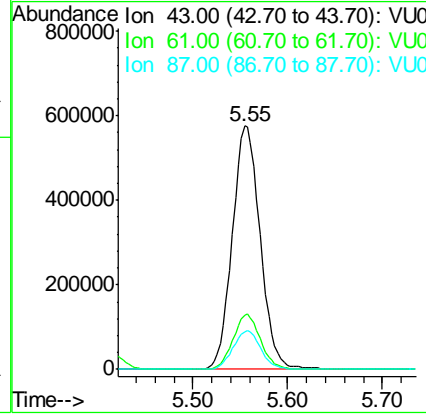
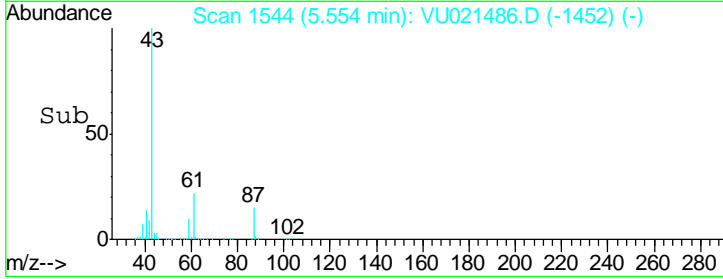
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



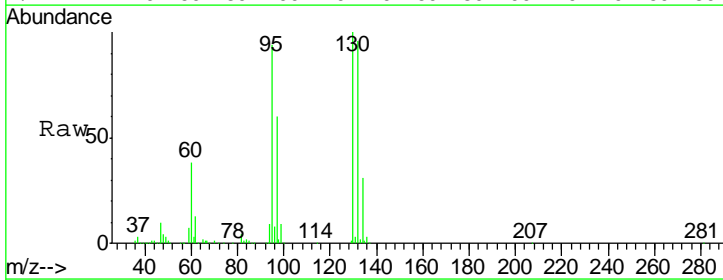
Tgt Ion: 43 Resp: 1174169

Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.8	26.6
87	16.0	12.8	19.2

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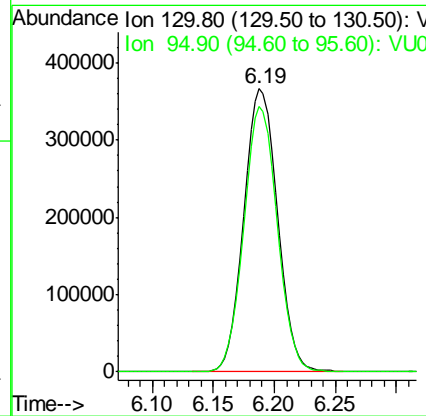
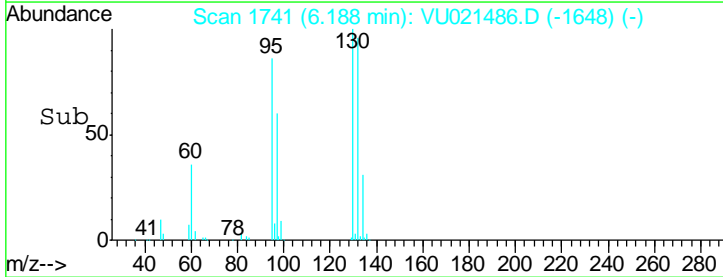


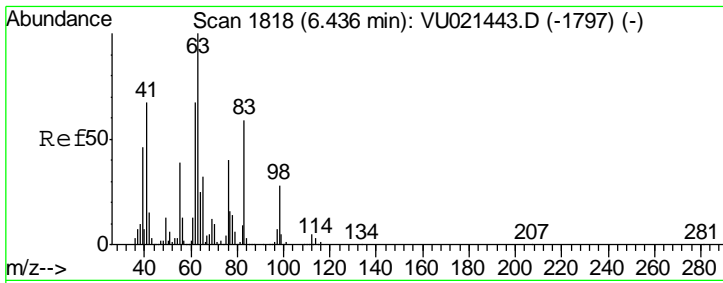
#44
 Trichloroethene
 Concen: 47.27 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 130 Resp: 696844

Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	189.6



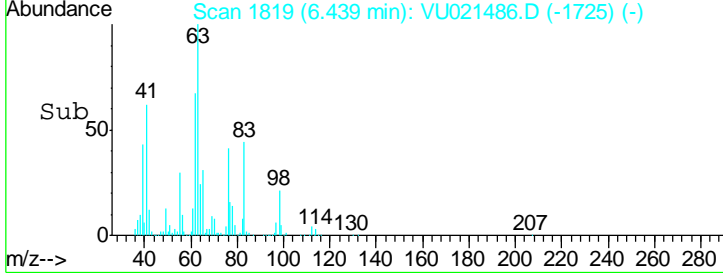
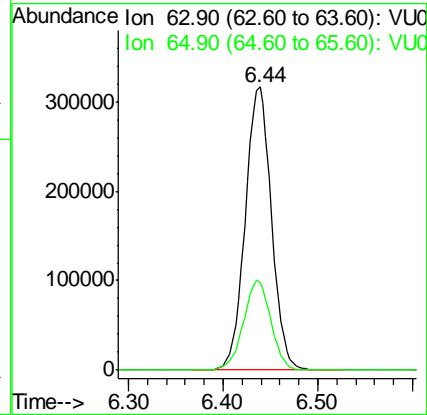
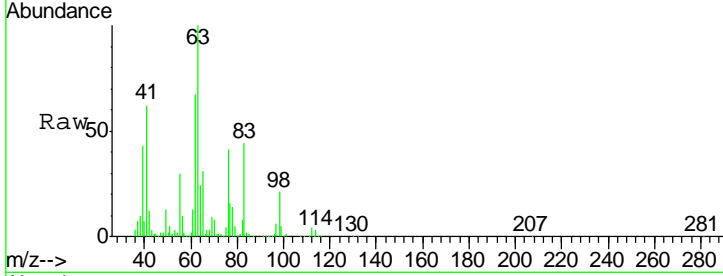


#45
 1,2-Dichloropropane
 Concen: 49.11 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

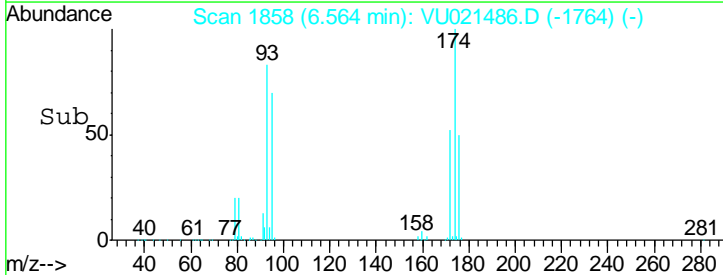
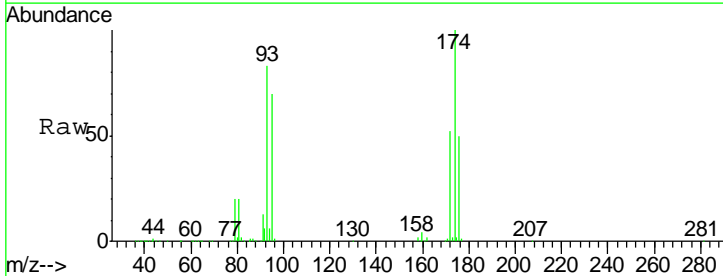
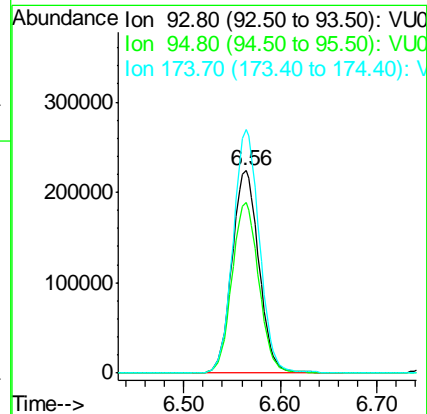
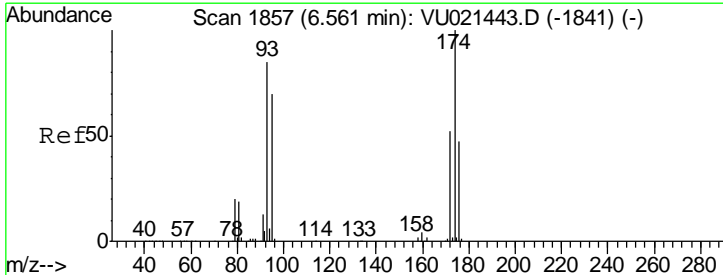
Tgt Ion	Resp	Lower	Upper
63	100		
65	31.1	25.8	38.6

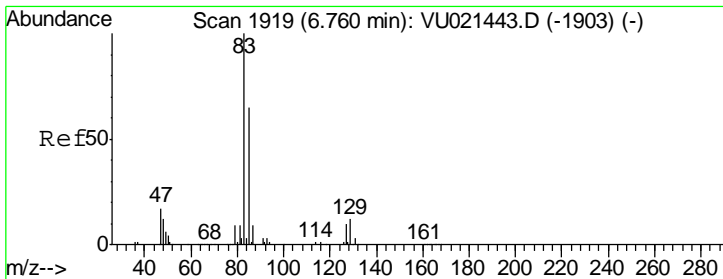
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#46
 Dibromomethane
 Concen: 50.19 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.4	66.8	100.2
174	117.6	95.6	143.4



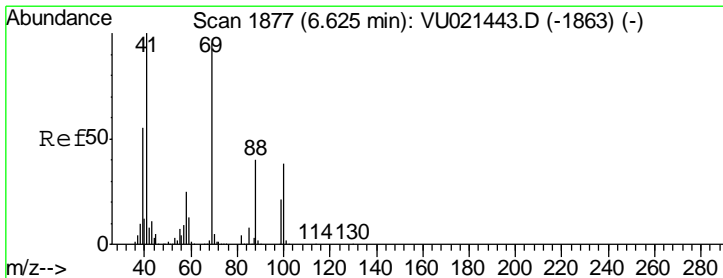
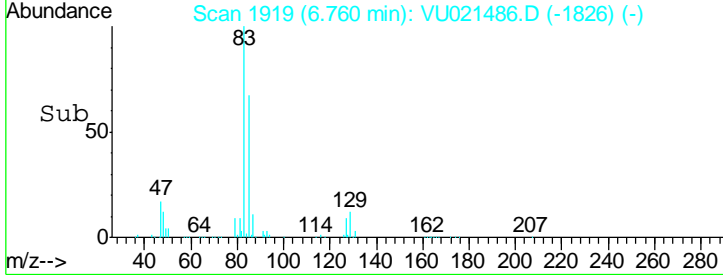
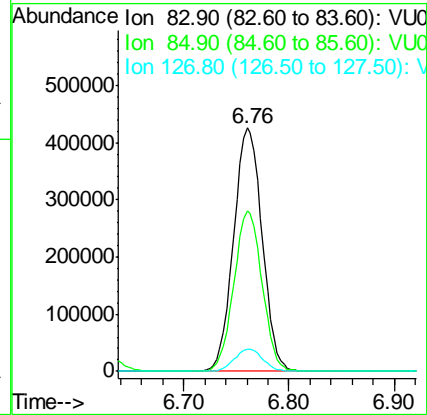
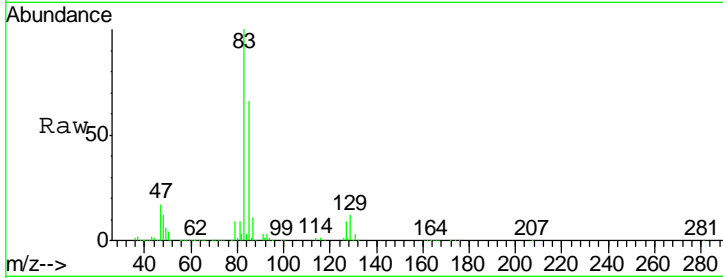


#47
 Bromodichloromethane
 Concen: 50.29 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 ClientSampleId : 918-MW-07(22.5)MSD

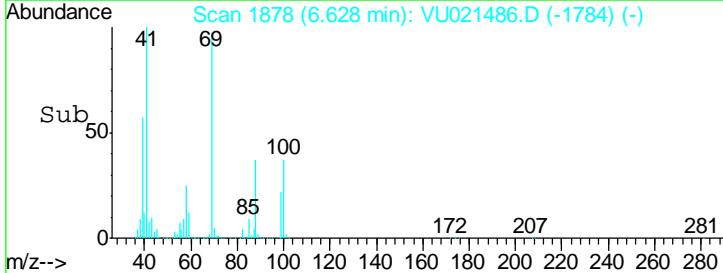
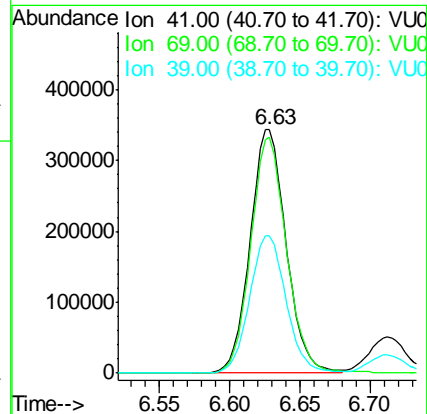
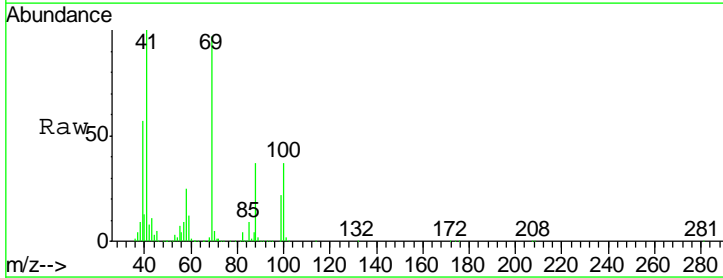
Tgt Ion	Resp	Lower	Upper
83	795955		
85	66.0	51.9	77.9
127	9.2	7.7	11.5

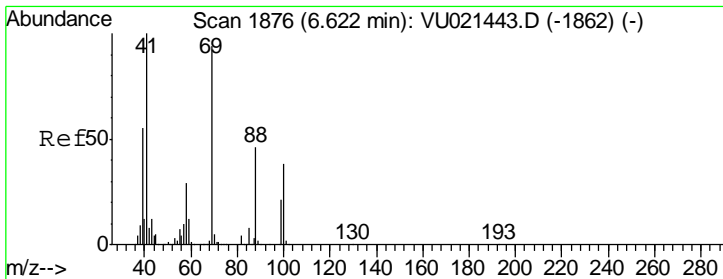
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#48
 Methyl methacrylate
 Concen: 50.28 ug/l
 RT: 6.63 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

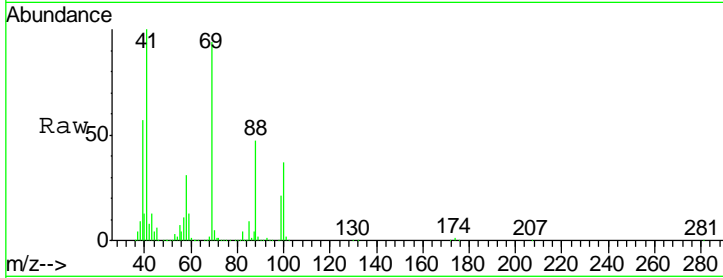
Tgt Ion	Resp	Lower	Upper
41	614055		
69	96.6	76.5	114.7
39	56.8	44.4	66.6





#49
 1,4-Dioxane
 Concen: 1047.45 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

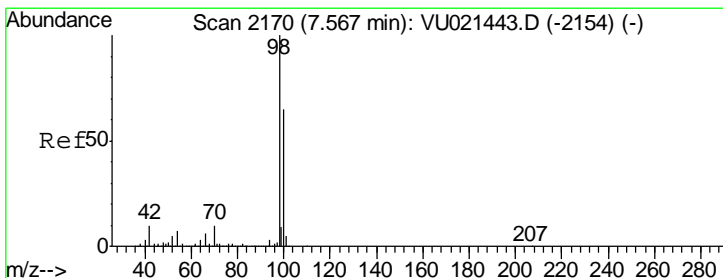
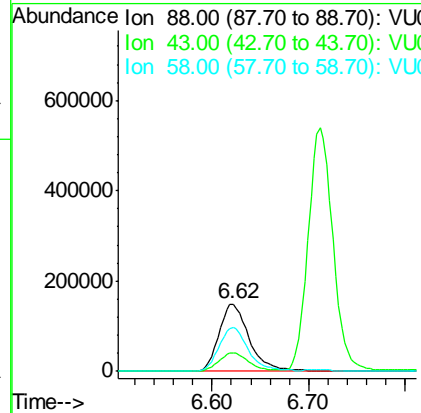
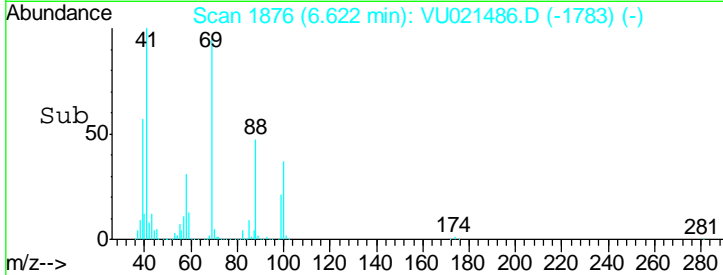
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



Tgt Ion: 88 Resp: 319174

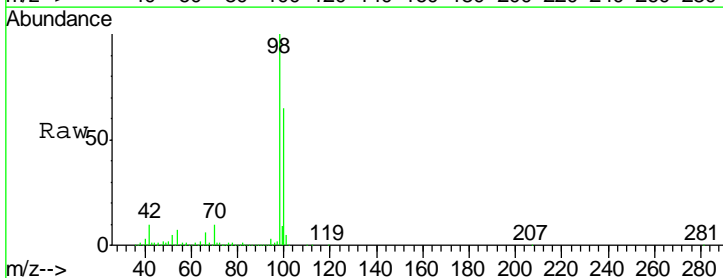
Ion	Ratio	Lower	Upper
88	100		
43	26.8	21.9	32.9
58	64.6	51.9	77.9

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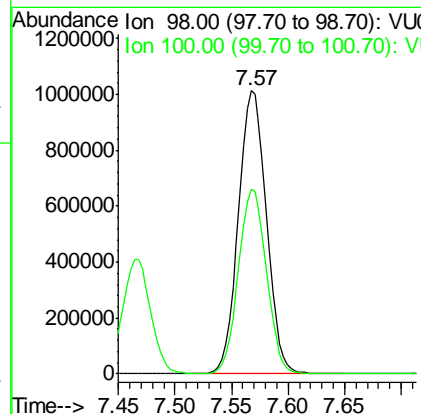
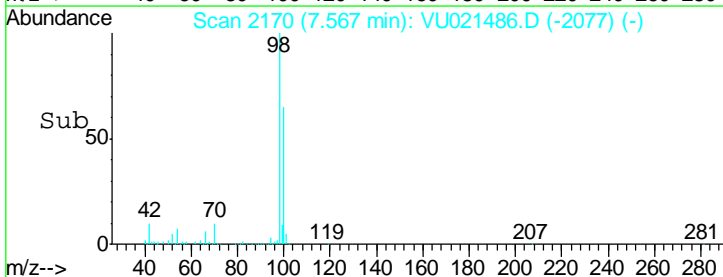
#50
 Toluene-d8
 Concen: 51.14 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

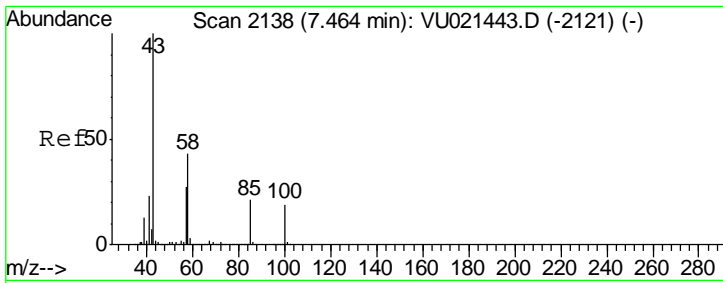
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



Tgt Ion: 98 Resp: 1754610

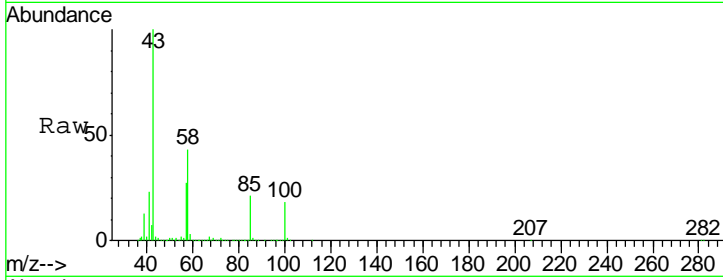
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8





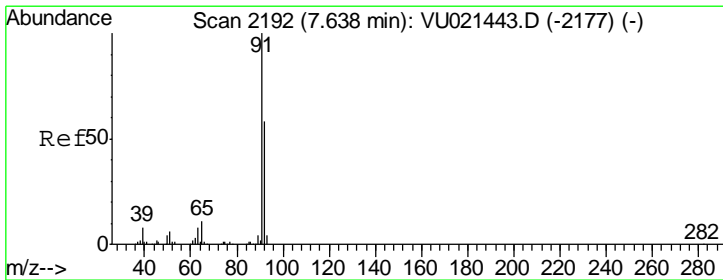
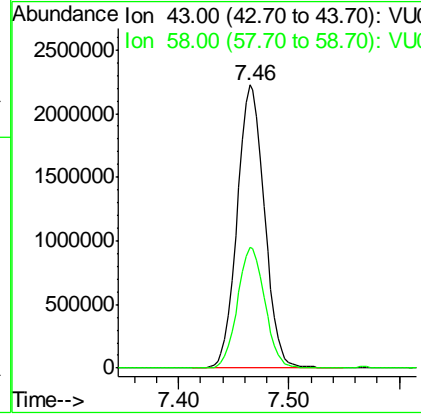
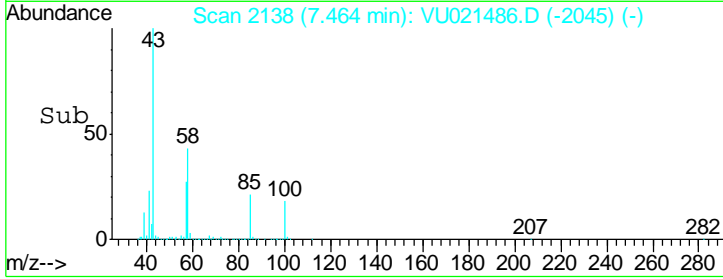
#51
 4-Methyl-2-Pentanone
 Concen: 252.93 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

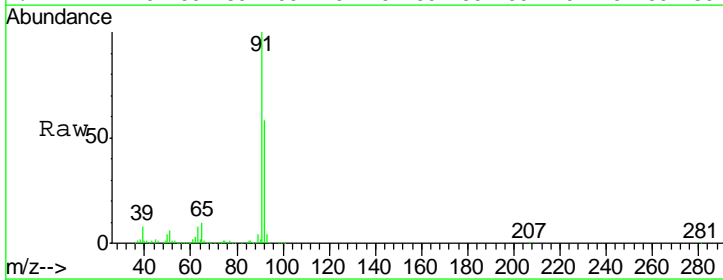


Tgt Ion: 43 Resp: 3809031
 Ion Ratio Lower Upper
 43 100
 58 42.9 34.4 51.6

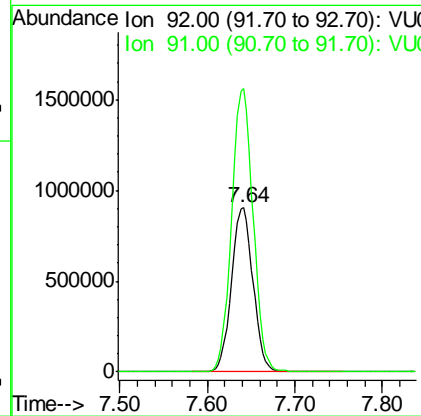
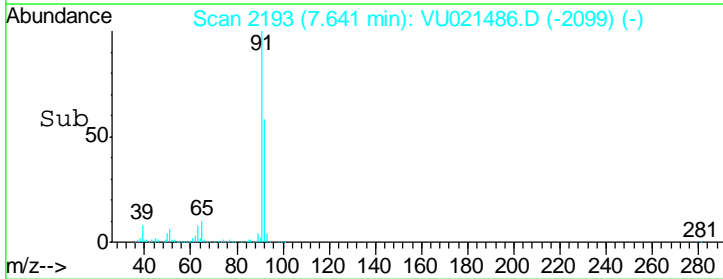
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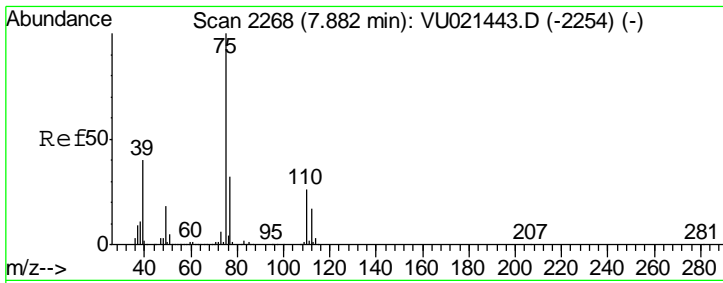


#52
 Toluene
 Concen: 49.44 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 92 Resp: 1545009
 Ion Ratio Lower Upper
 92 100
 91 172.1 138.3 207.5





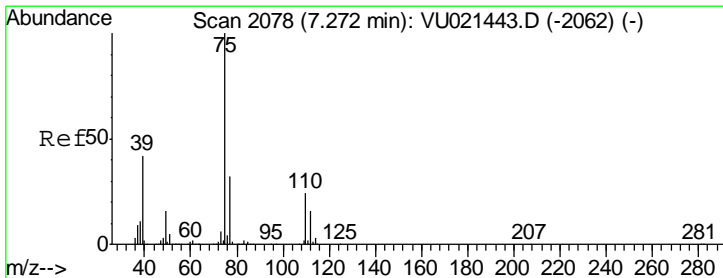
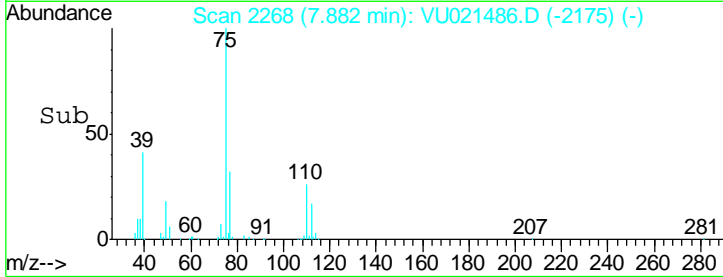
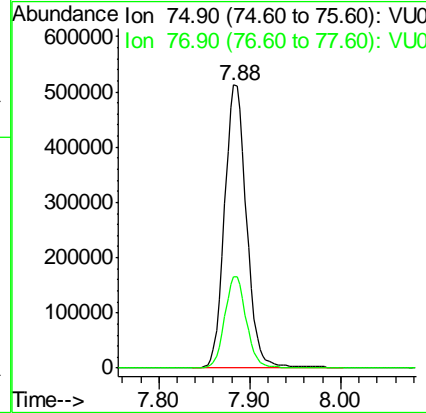
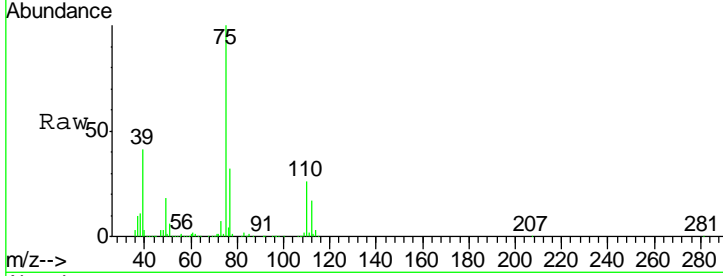
#53
 t-1,3-Dichloropropene
 Concen: 48.90 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

Tgt Ion	Resp	Lower	Upper
75	100		
77	32.4	25.6	38.4

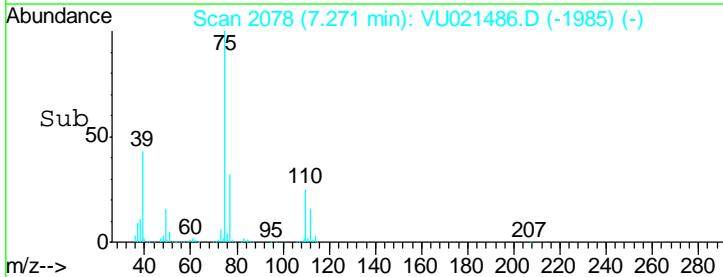
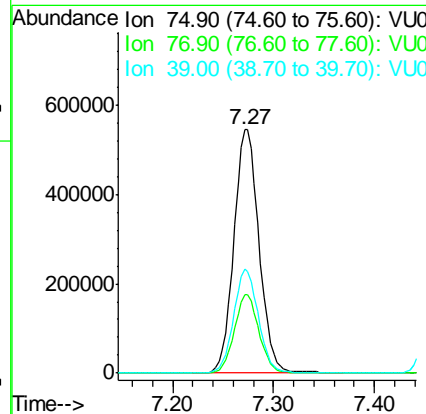
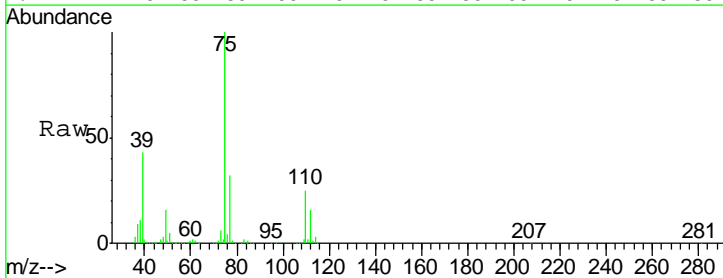
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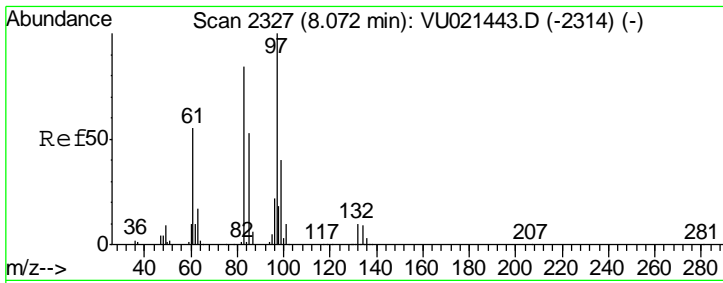
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#54
 cis-1,3-Dichloropropene
 Concen: 49.62 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

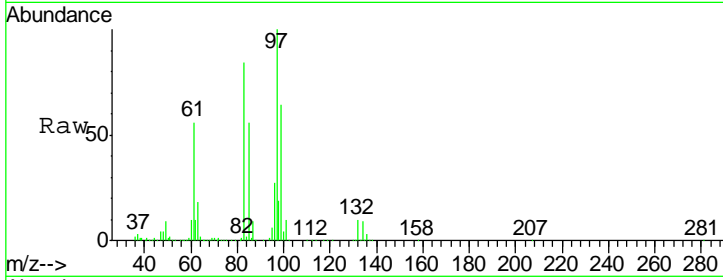
Tgt Ion	Resp	Lower	Upper
75	100		
77	32.1	25.5	38.3
39	42.7	33.8	50.6





#55
 1,1,2-Trichloroethane
 Concen: 50.27 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

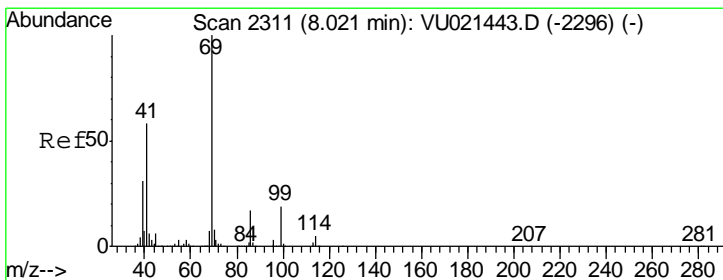
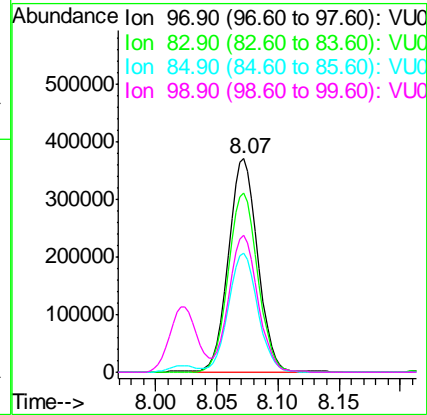
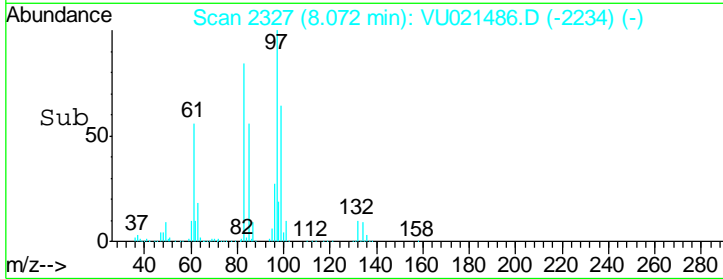
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



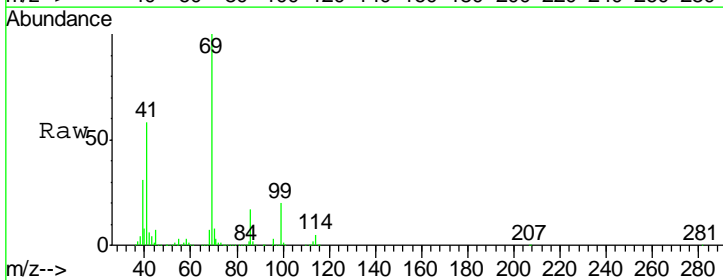
Tgt Ion: 97 Resp: 622677

Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.1	100.7
85	55.8	43.6	65.4
99	63.9	50.1	75.1

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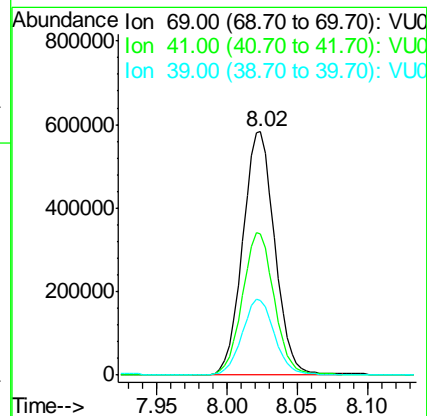
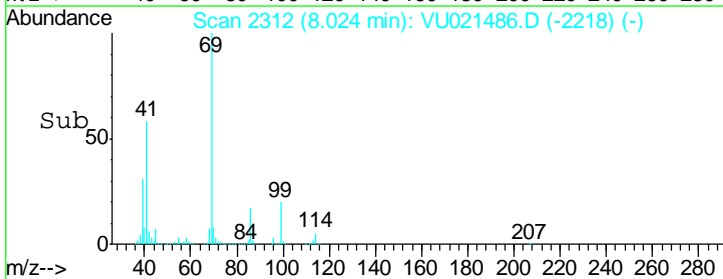


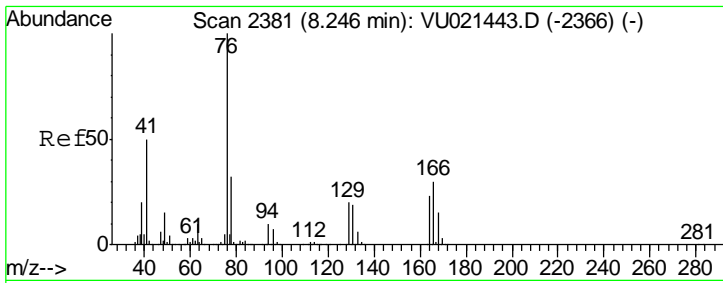
#56
 Ethyl methacrylate
 Concen: 50.00 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 69 Resp: 930986

Ion	Ratio	Lower	Upper
69	100		
41	58.1	46.4	69.6
39	31.0	24.7	37.1



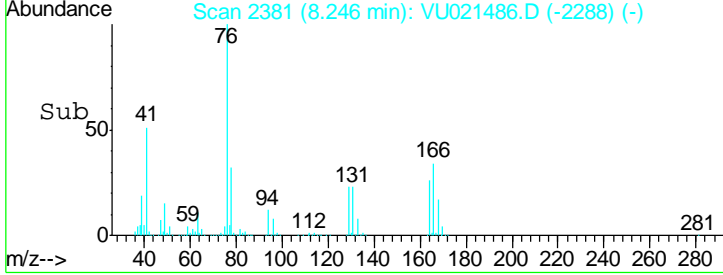
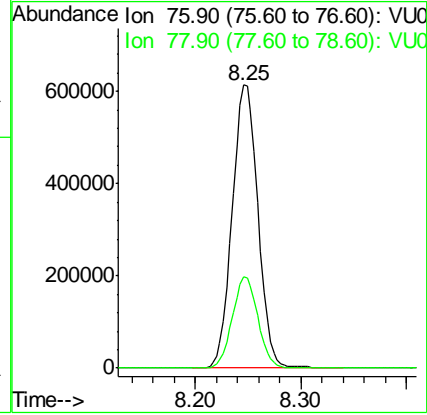
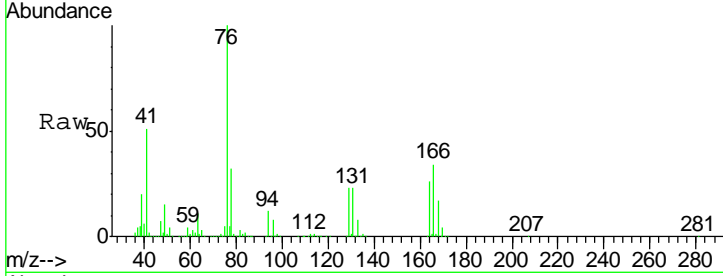


#57
 1,3-Dichloropropane
 Concen: 50.59 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 ClientSampleId : 918-MW-07(22.5)MSD

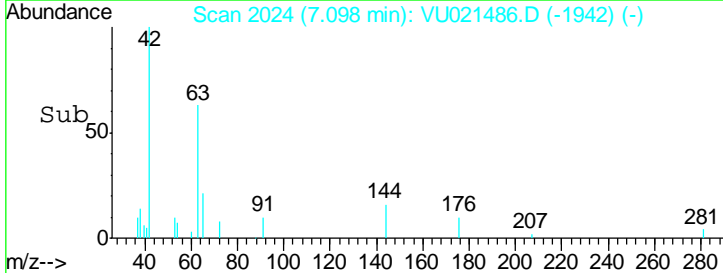
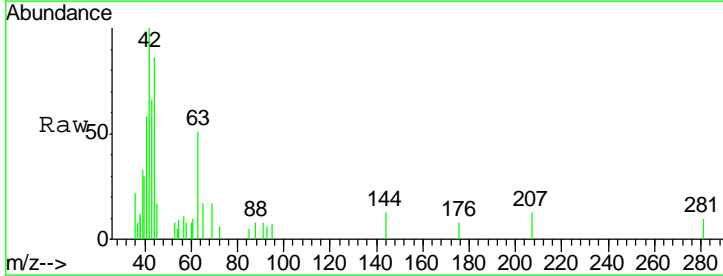
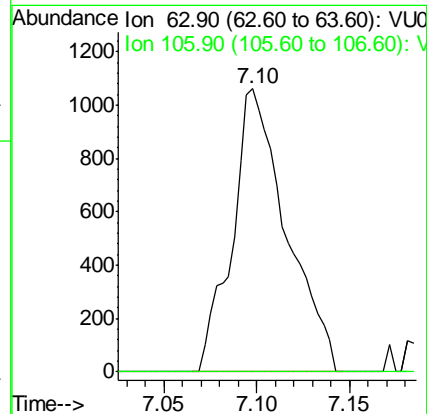
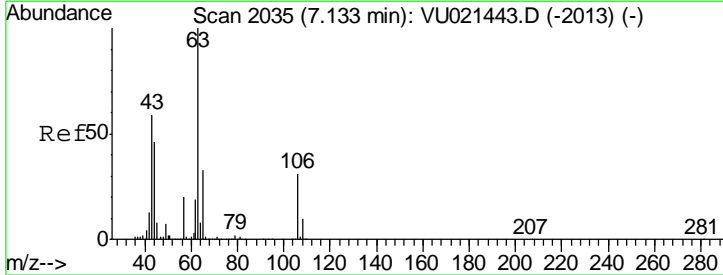
Tgt Ion	Resp	Lower	Upper
76	1037356		
76	100		
78	32.0	25.6	38.4

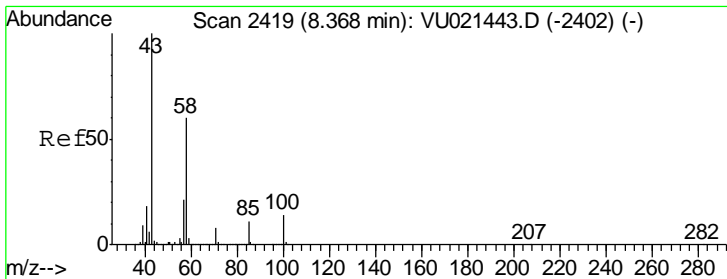
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#58
 2-Chloroethyl Vinyl ether
 Concen: 0.31 ug/l
 RT: 7.10 min Scan# 2024
 Delta R.T. -0.04 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion	Resp	Lower	Upper
63	2157		
63	100		
106	0.0	24.6	36.8#





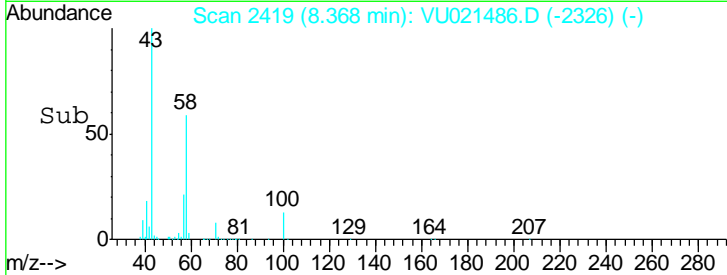
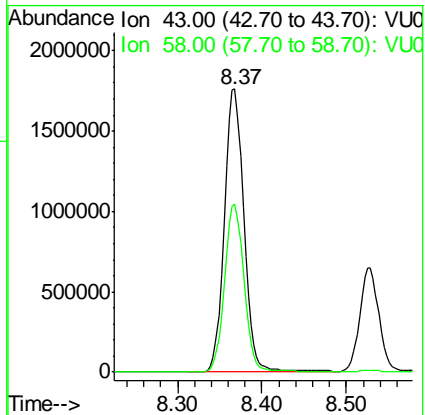
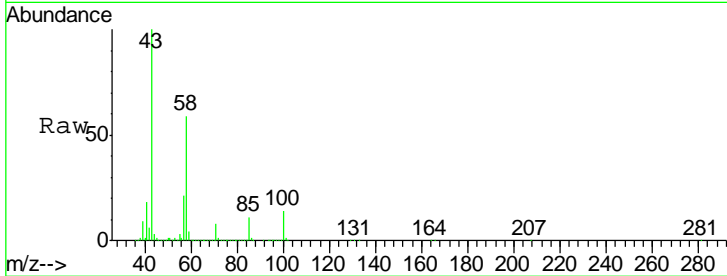
#59
 2-Hexanone
 Concen: 241.11 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

Tgt Ion: 43 Resp: 2855832

Ion	Ratio	Lower	Upper
43	100		
58	59.1	29.8	89.4

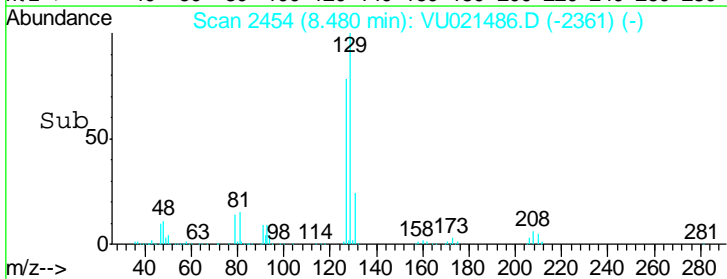
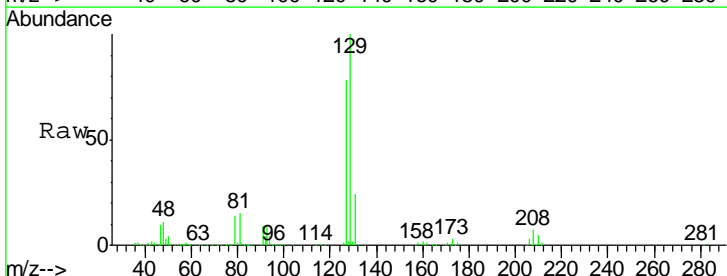
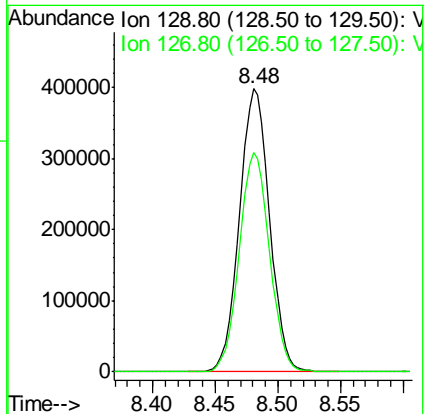
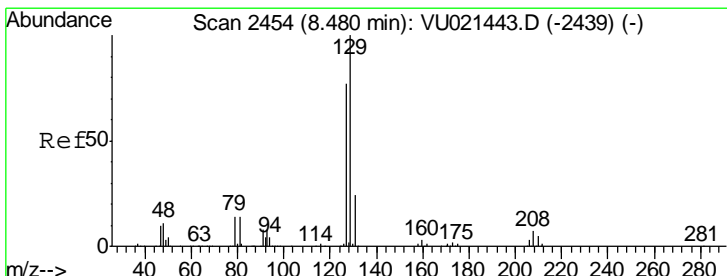
Manual Integrations
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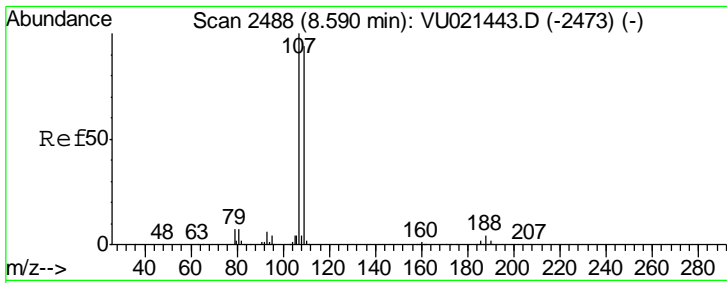


#60
 Dibromochloromethane
 Concen: 50.86 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion: 129 Resp: 665270

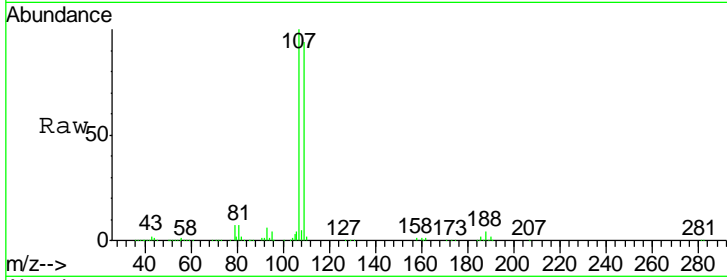
Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.2	114.6





#61
 1,2-Dibromoethane
 Concen: 50.72 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

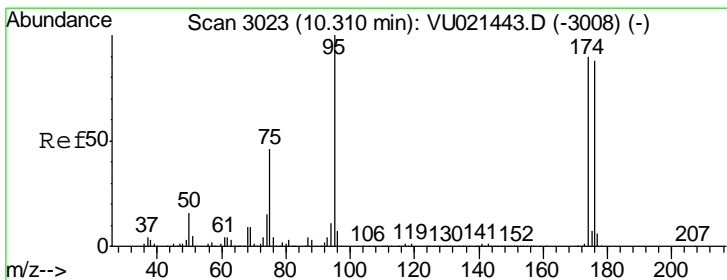
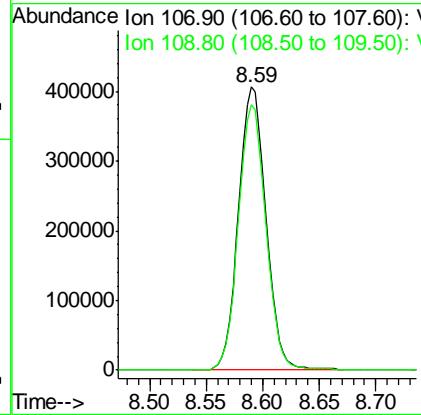
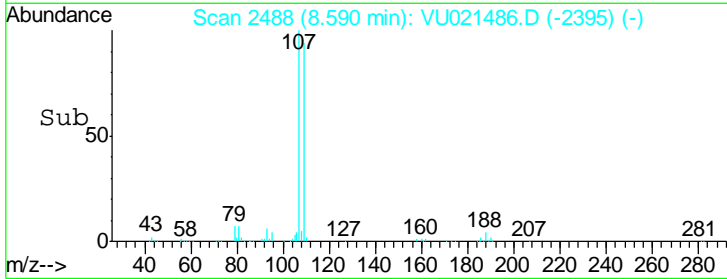
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



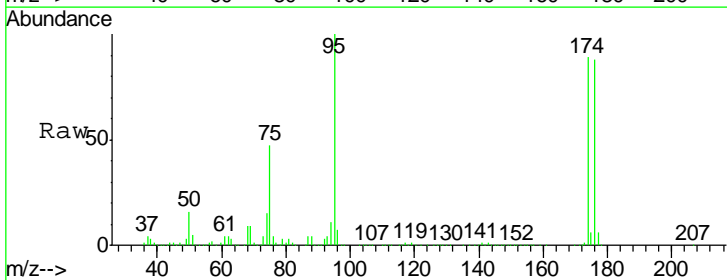
Tgt Ion: 107 Resp: 690199

Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.7	112.1

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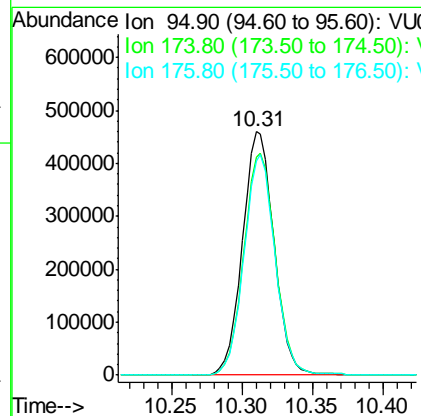
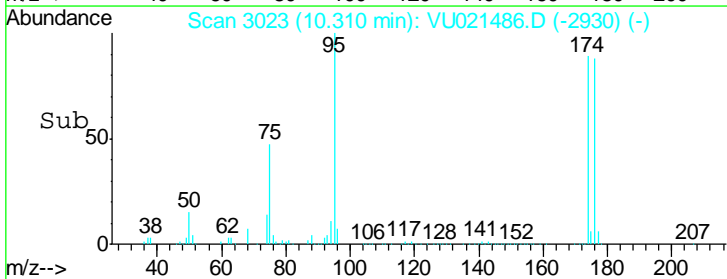


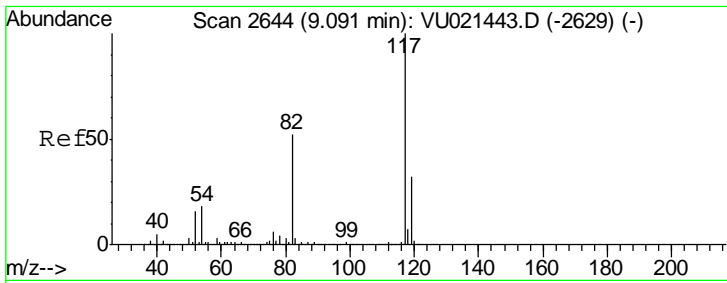
#62
 4-Bromofluorobenzene
 Concen: 44.95 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 95 Resp: 718601

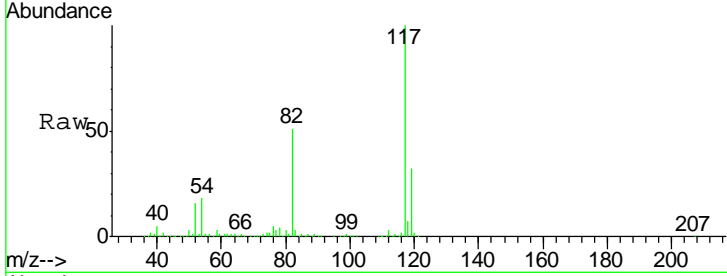
Ion	Ratio	Lower	Upper
95	100		
174	91.9	0.0	182.6
176	89.8	0.0	178.8





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

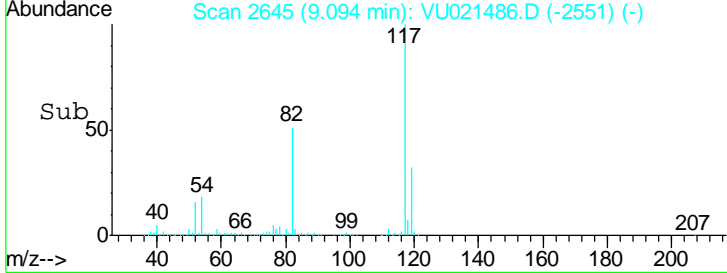
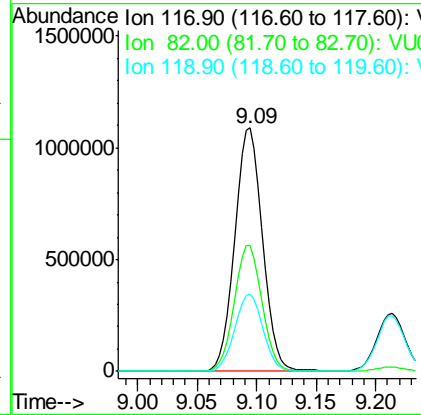
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



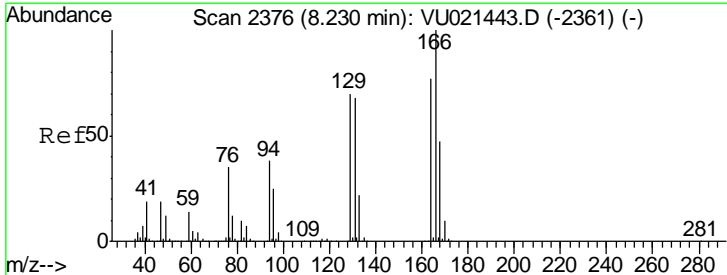
Tgt Ion: 117 Resp: 1763926

Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.4	62.0
119	31.5	25.7	38.5

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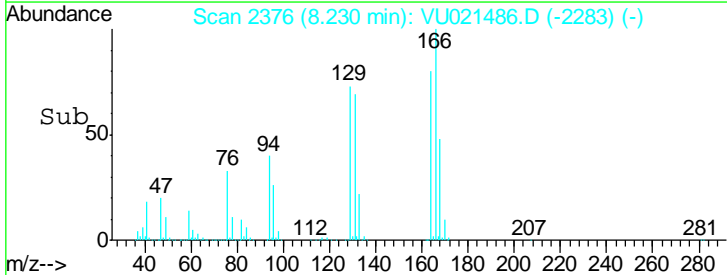
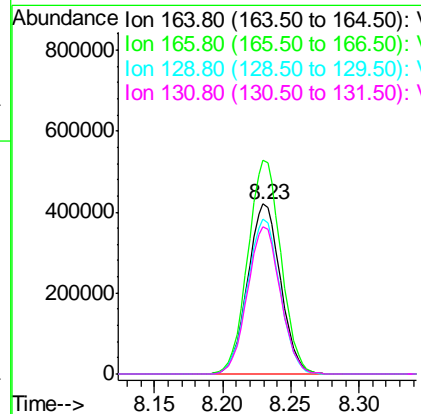


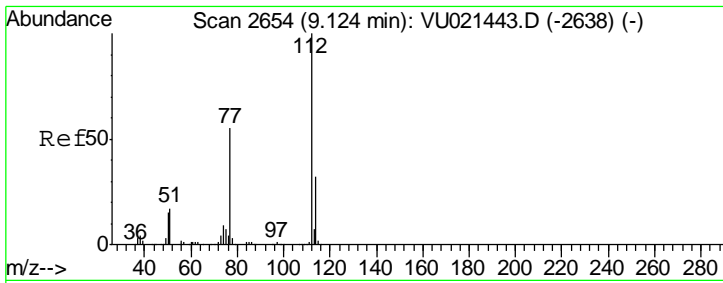
#64
 Tetrachloroethene
 Concen: 50.66 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 164 Resp: 702667

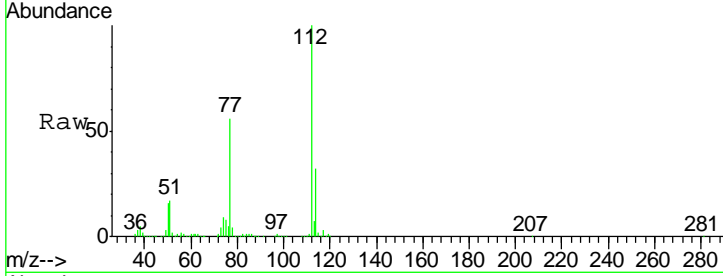
Ion	Ratio	Lower	Upper
164	100		
166	125.5	104.1	156.1
129	91.3	73.2	109.8
131	86.7	71.0	106.6





#65
 Chlorobenzene
 Concen: 49.03 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

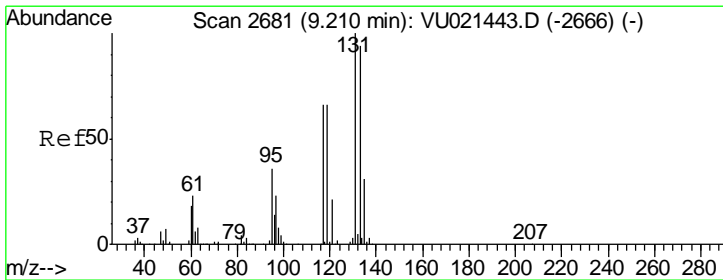
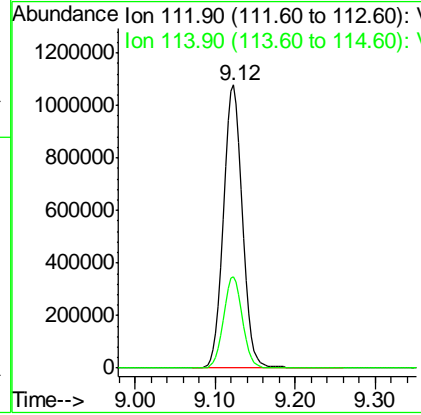
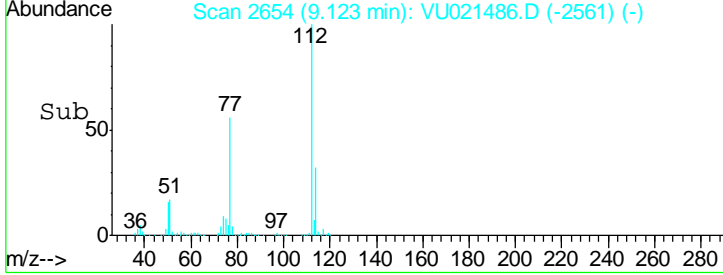
Instrument : MSVOA_U
 ClientSampled : 918-MW-07(22.5)MSD



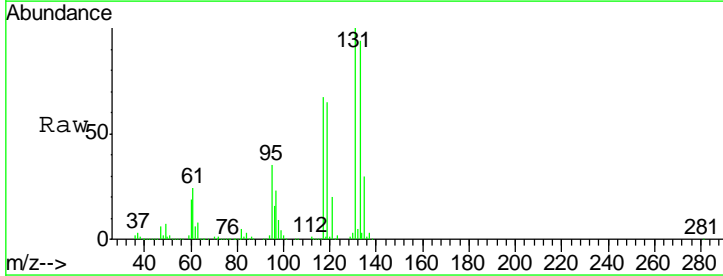
Tgt Ion: 112 Resp: 1779324

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.9	38.9

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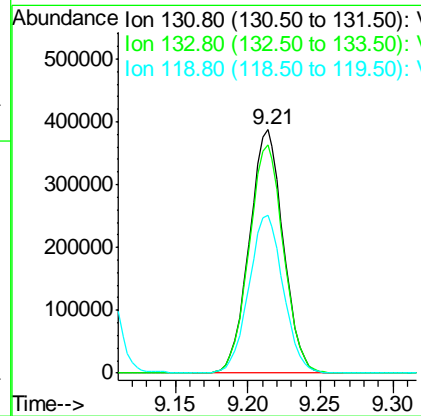
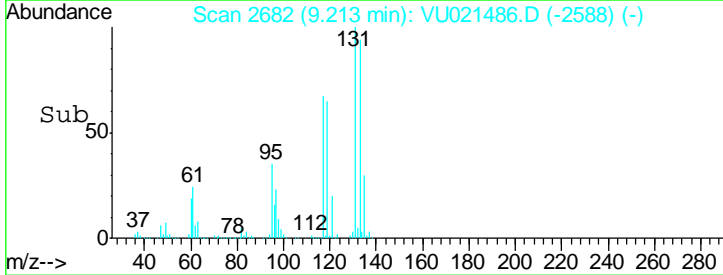


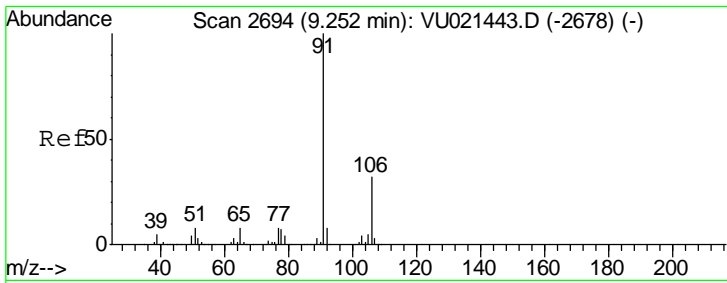
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.77 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 131 Resp: 630074

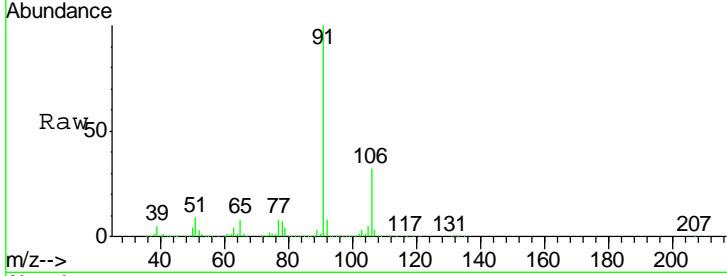
Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.1	144.3
119	65.6	33.0	98.9





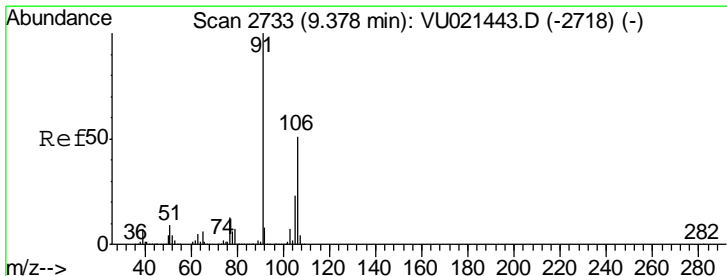
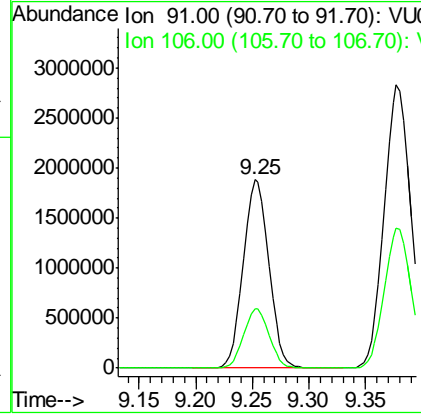
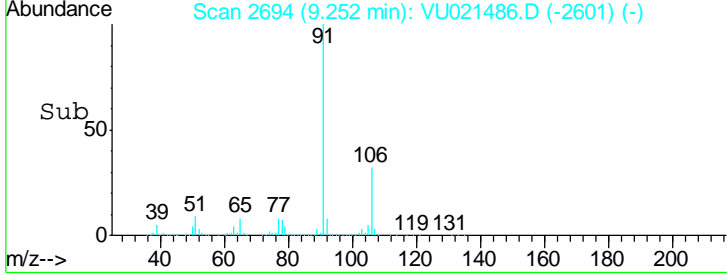
#67
 Ethyl Benzene
 Concen: 49.47 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



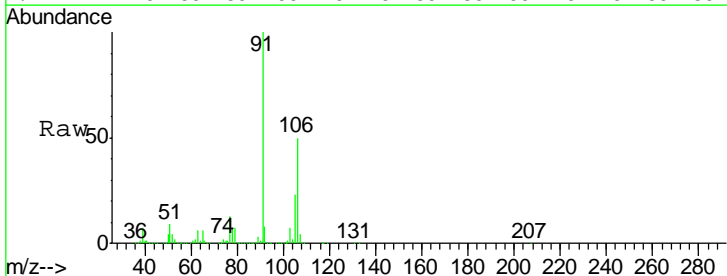
Tgt Ion: 91 Resp: 2976544
 Ion Ratio Lower Upper
 91 100
 106 31.5 25.4 38.2

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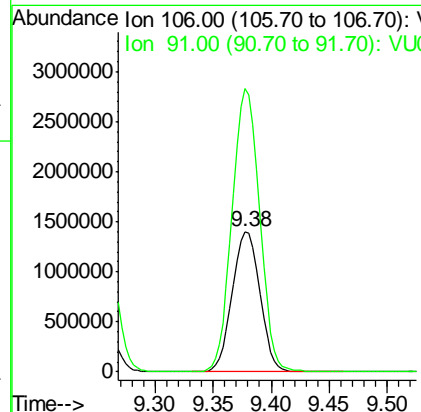
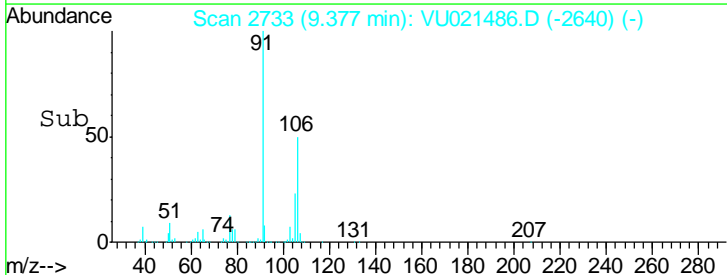


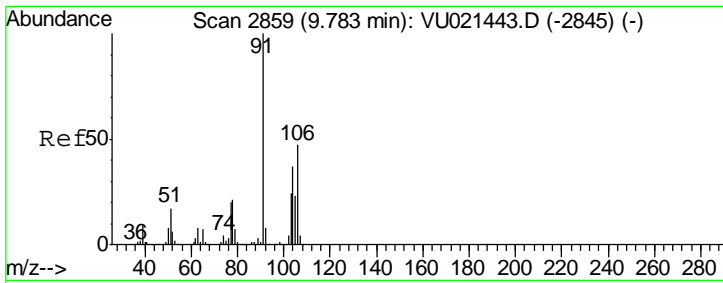
#68
 m/p-Xylenes
 Concen: 98.69 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

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Tgt Ion: 106 Resp: 2307807
 Ion Ratio Lower Upper
 106 100
 91 200.6 159.4 239.0



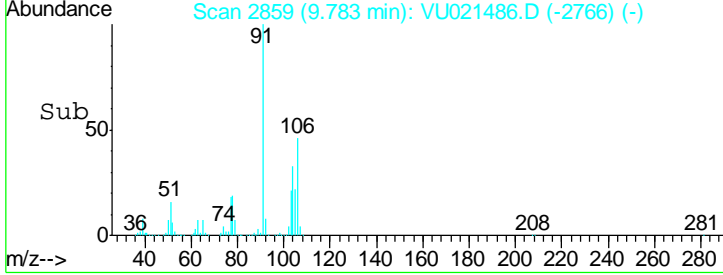
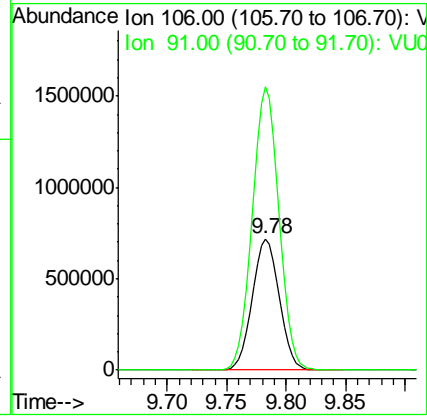
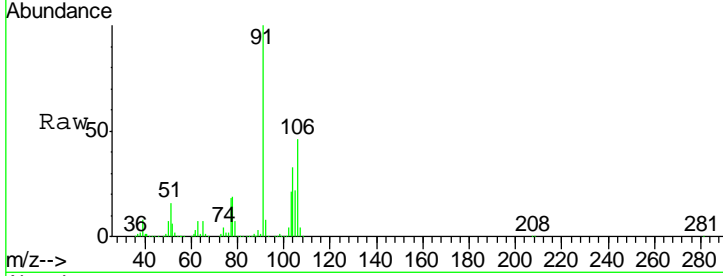


#69
 o-Xylene
 Concen: 50.39 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

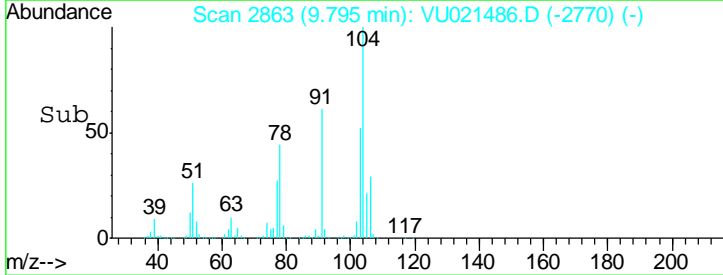
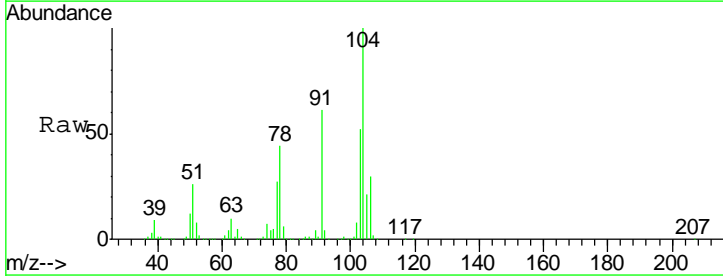
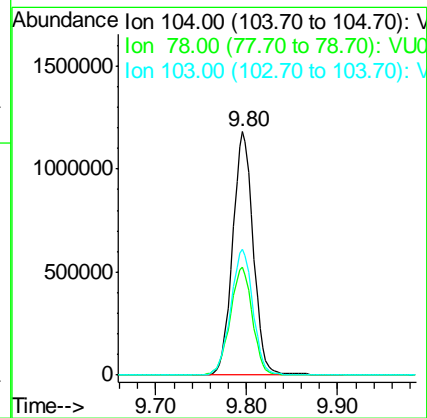
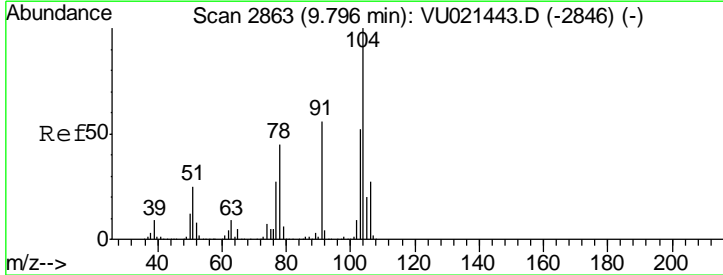
Tgt Ion	Resp	Lower	Upper
106	1129954		
106	100		
91	213.3	106.2	318.6

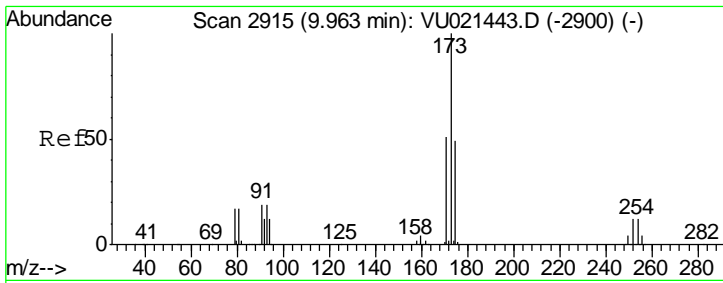
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#70
 Styrene
 Concen: 49.92 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

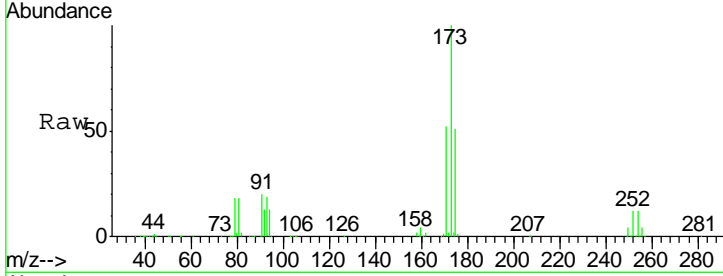
Tgt Ion	Resp	Lower	Upper
104	1864461		
104	100		
78	47.6	38.2	57.2
103	55.6	44.6	66.8





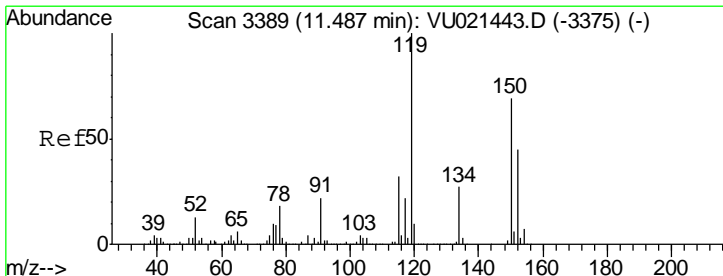
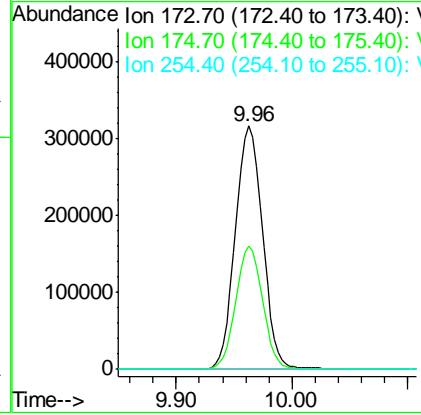
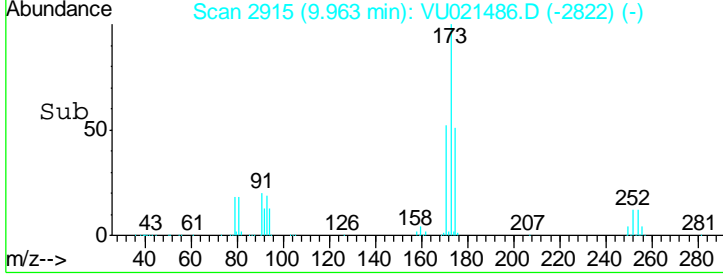
#71
 Bromoform
 Concen: 49.14 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

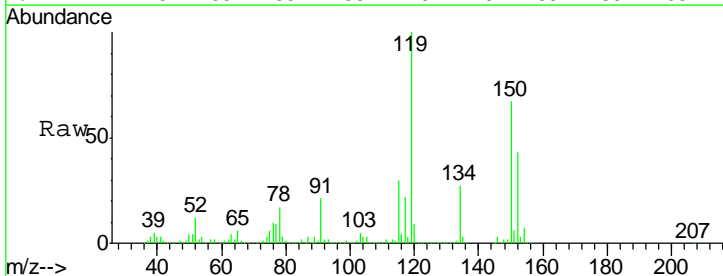


Tgt Ion	Resp	Lower	Upper
173	517304		
173	100		
175	49.8	24.3	72.8
254	0.1	0.1	0.1

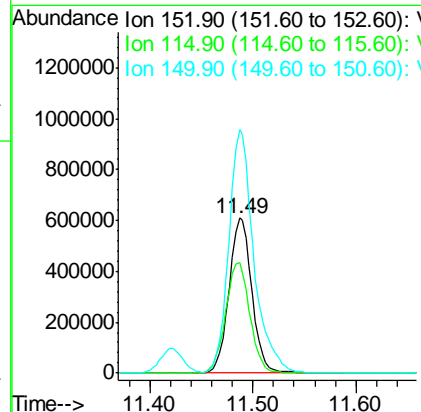
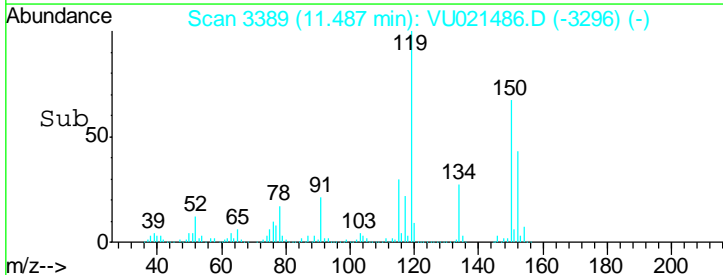
Manual Integrations APPROVED
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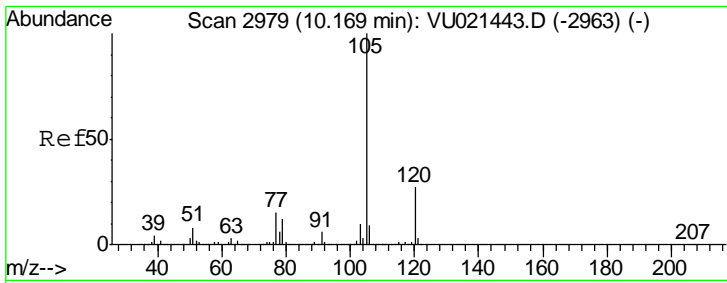


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



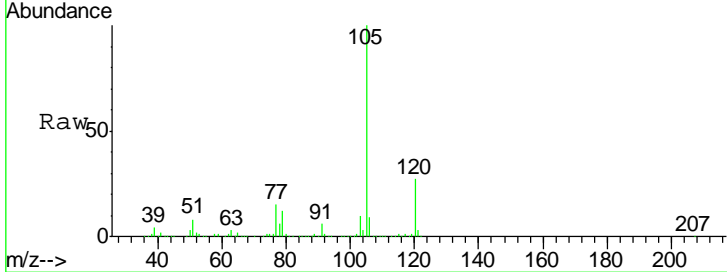
Tgt Ion	Resp	Lower	Upper
152	937282		
152	100		
115	75.7	38.0	114.1
150	172.0	0.0	343.2





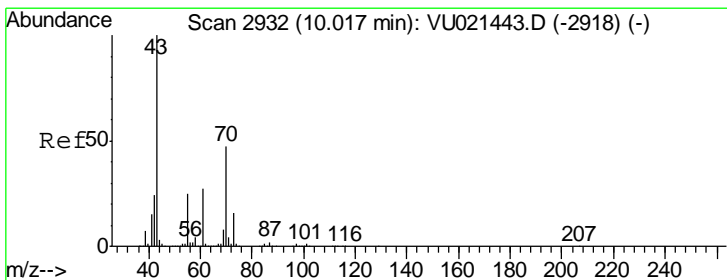
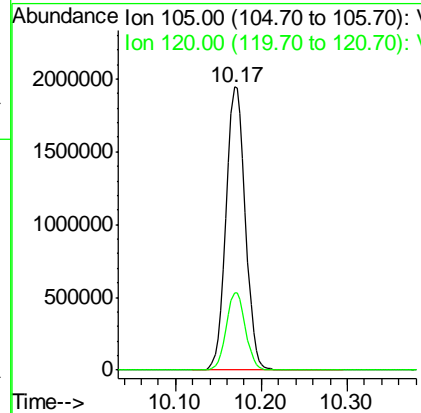
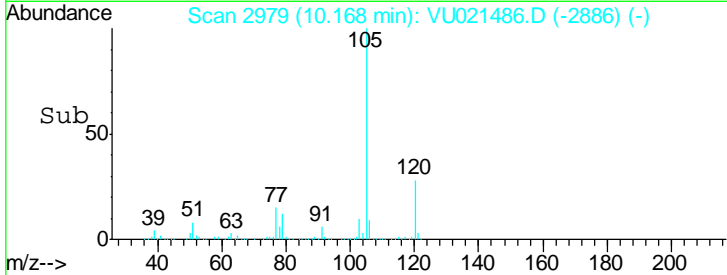
#73
 Isopropylbenzene
 Concen: 51.31 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

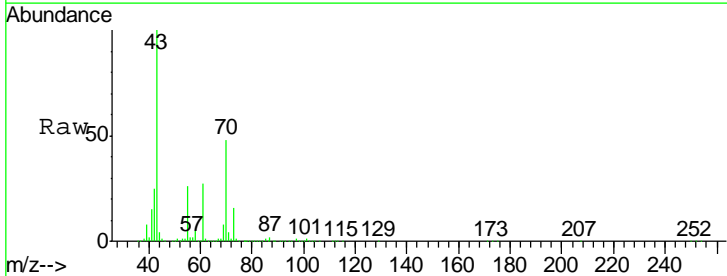


Tgt Ion: 105 Resp: 3034234
 Ion Ratio Lower Upper
 105 100
 120 27.3 13.5 40.5

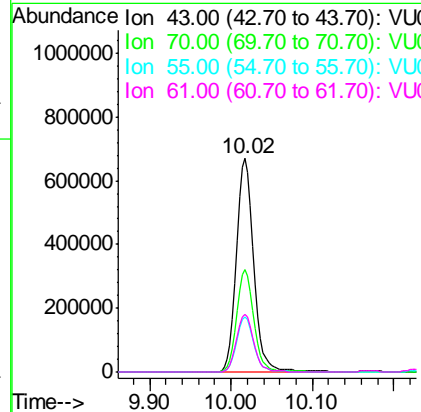
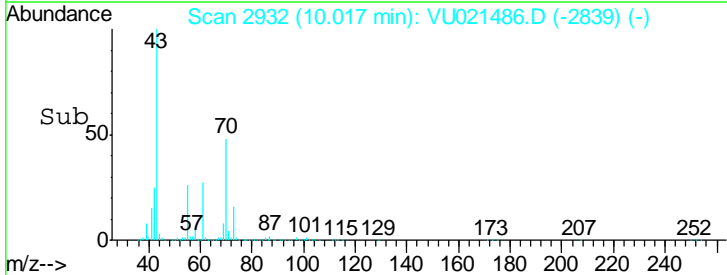
Manual Integrations APPROVED
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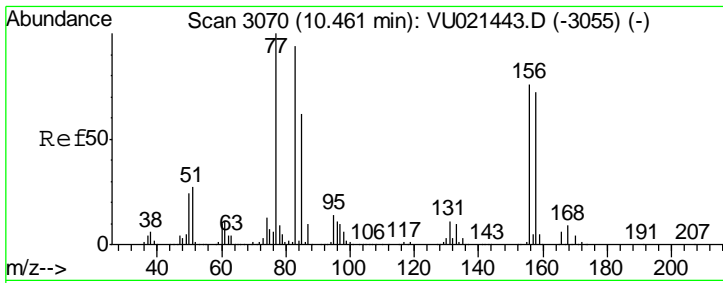


#74
 N-aryl acetate
 Concen: 50.31 ug/l
 RT: 10.02 min Scan# 2932
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



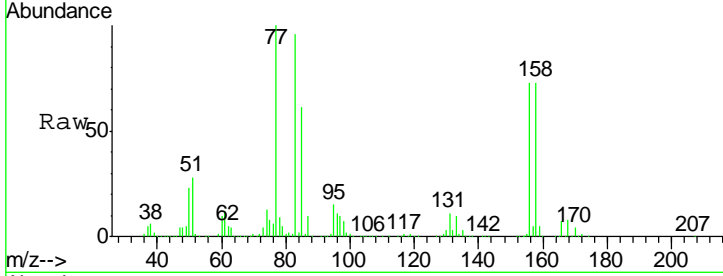
Tgt Ion: 43 Resp: 1008359
 Ion Ratio Lower Upper
 43 100
 70 47.9 37.4 56.2
 55 25.8 20.1 30.1
 61 26.9 21.3 31.9





#75
 1,1,2,2-Tetrachloroethane
 Concen: 52.84 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

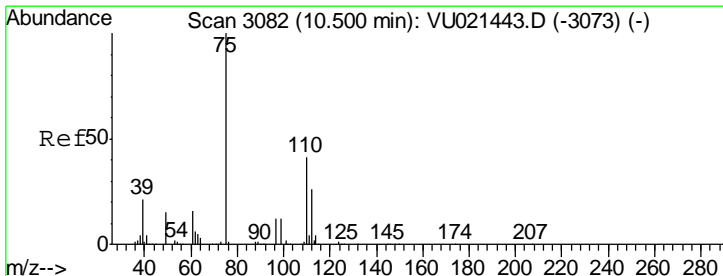
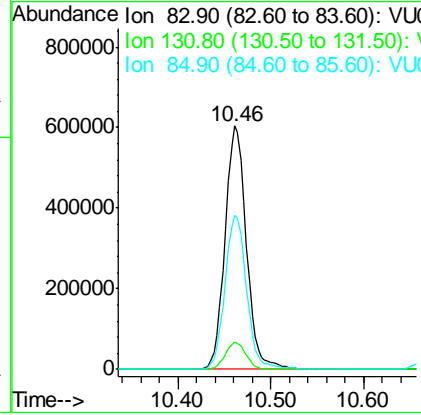
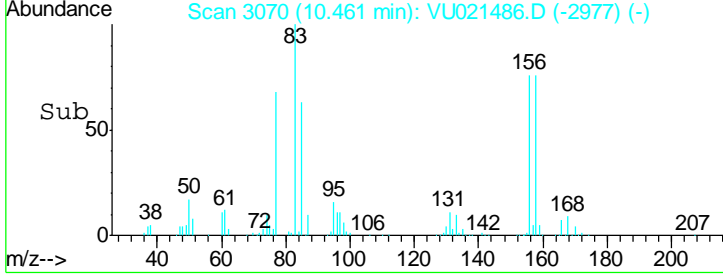
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



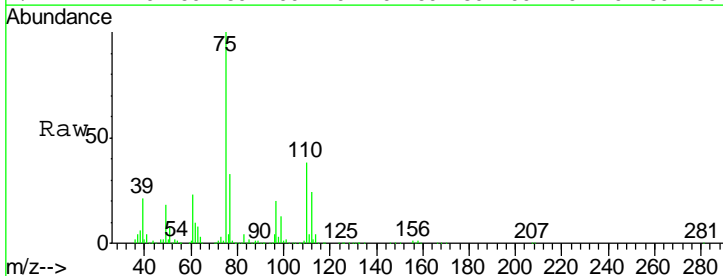
Tgt Ion: 83 Resp: 967797

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.5
85	64.2	32.3	96.9

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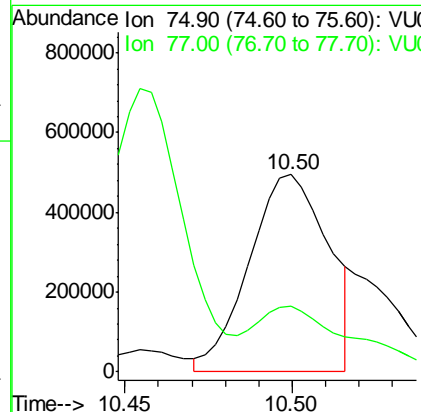
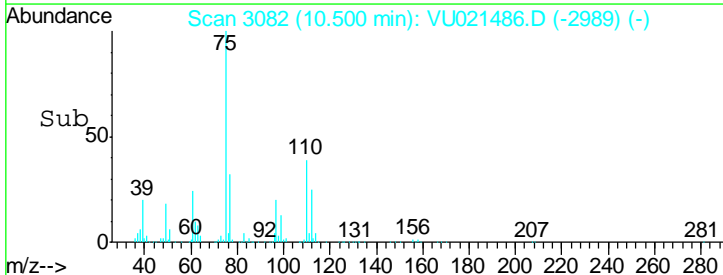


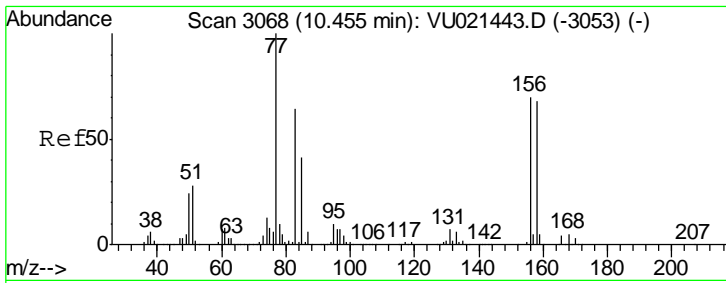
#76
 1,2,3-Trichloropropane
 Concen: 53.42 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 75 Resp: 812989

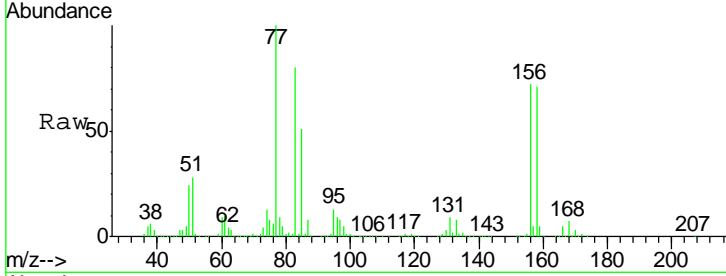
Ion	Ratio	Lower	Upper
75	100		
77	41.8	22.9	68.8





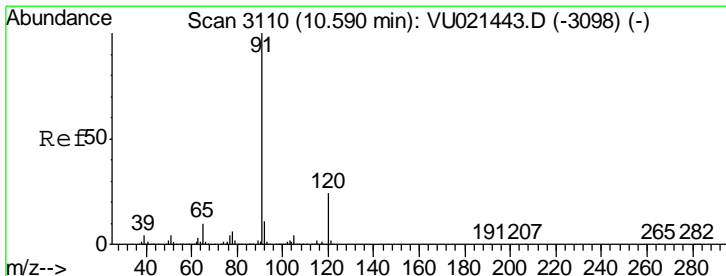
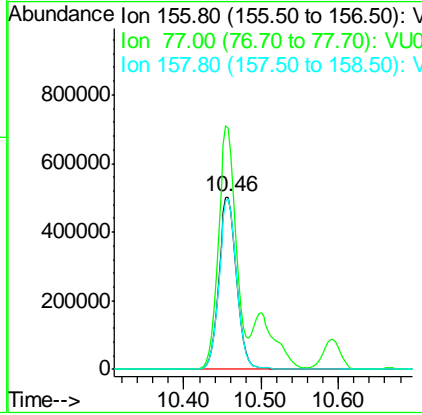
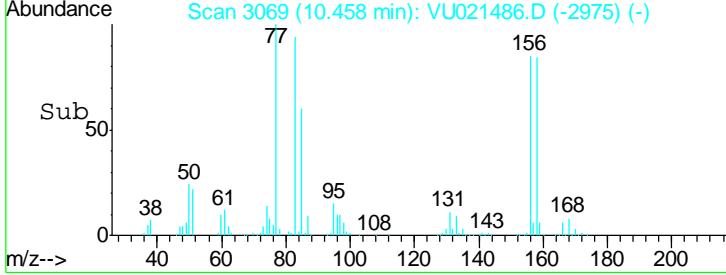
#77
 Bromobenzene
 Concen: 50.03 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

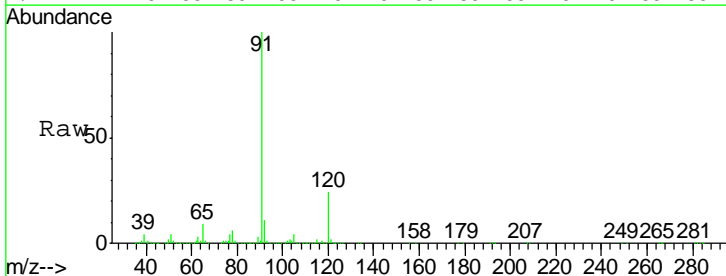


Tgt Ion	Resp	Lower	Upper
156	812099		
77	141.0	69.3	207.8
158	98.3	48.5	145.5

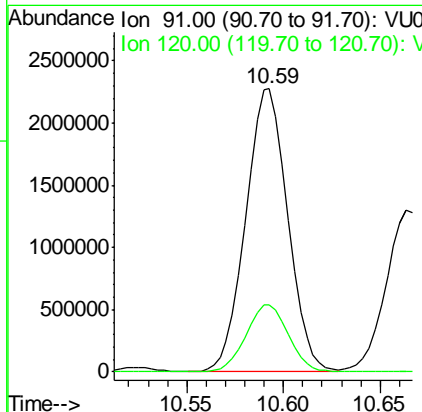
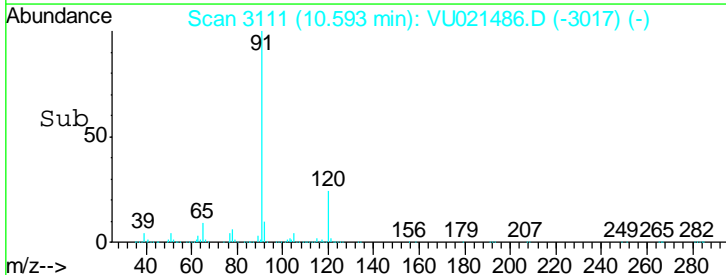
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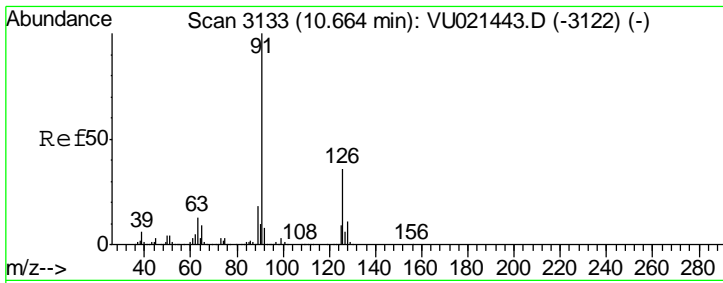


#78
 n-propylbenzene
 Concen: 50.57 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion	Resp	Lower	Upper
91	3424491		
120	24.1	12.0	36.1



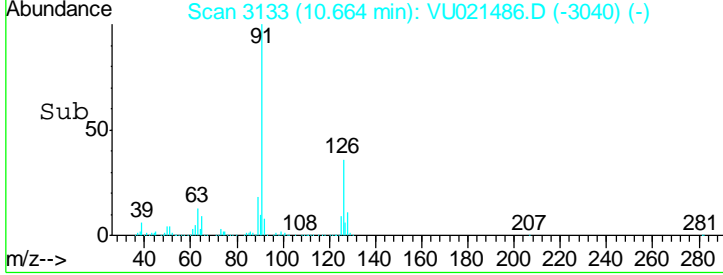
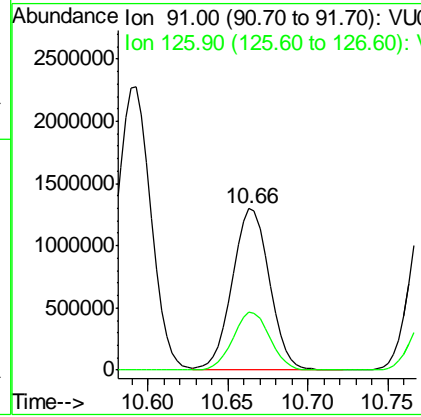
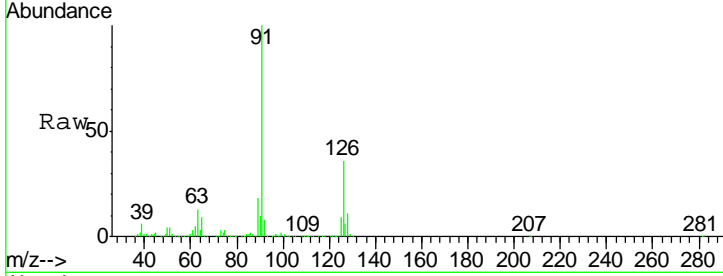


#79
 2-Chlorotoluene
 Concen: 51.07 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

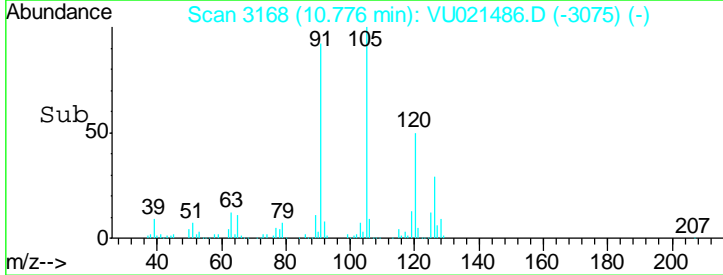
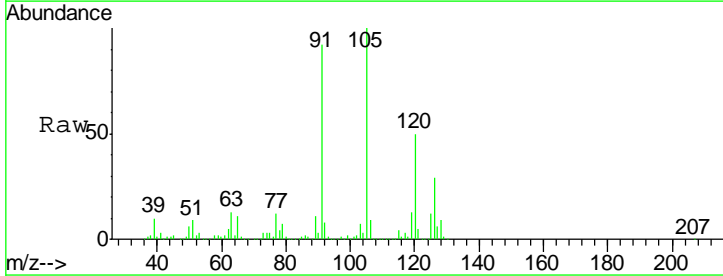
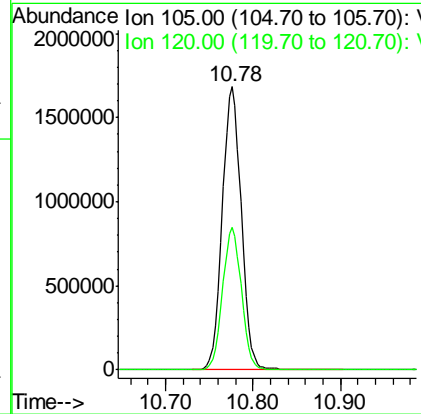
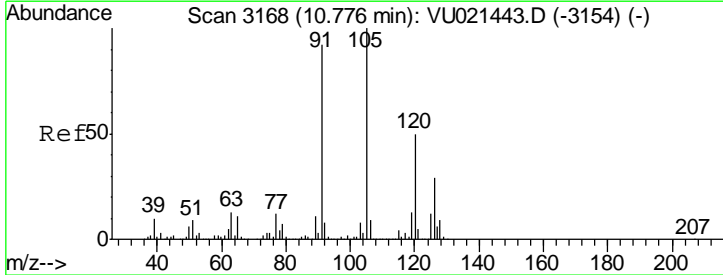
Tgt Ion	Resp	Lower	Upper
91	100		
126	35.9	18.0	54.0

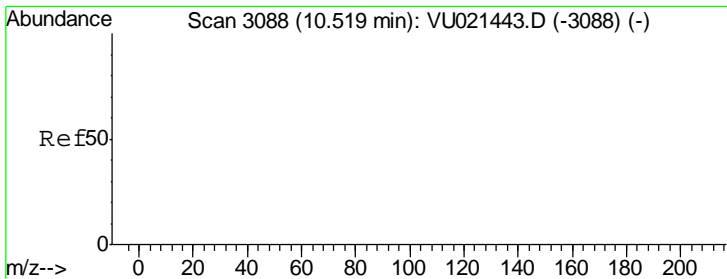
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.99 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion	Resp	Lower	Upper
105	100		
120	50.0	24.9	74.6





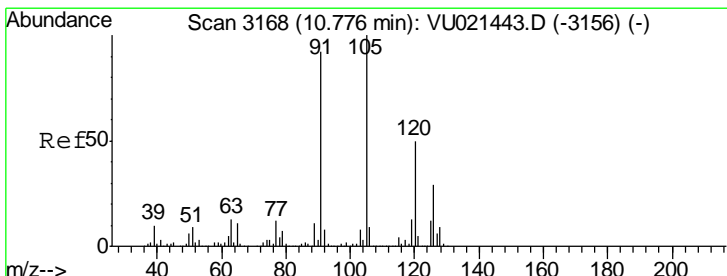
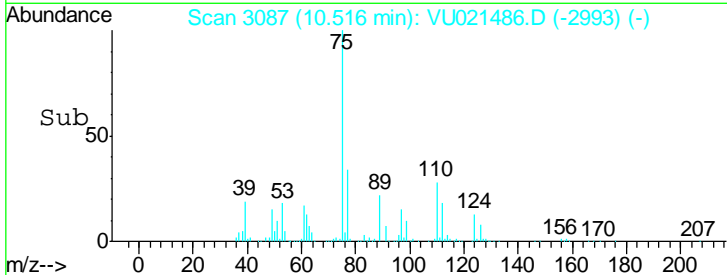
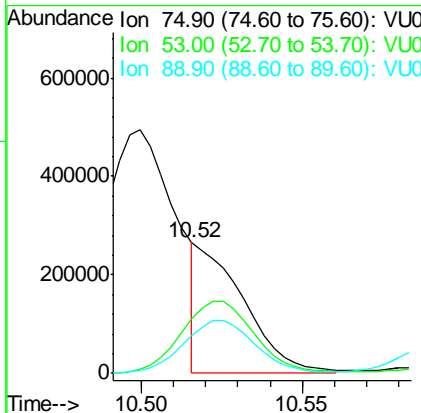
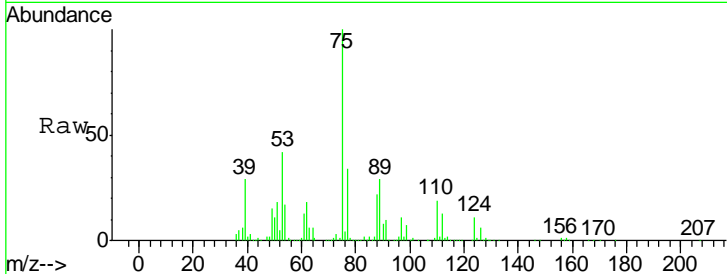
#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.82 ug/l m
 RT: 10.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

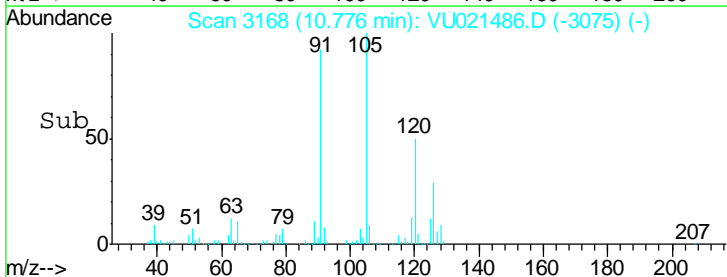
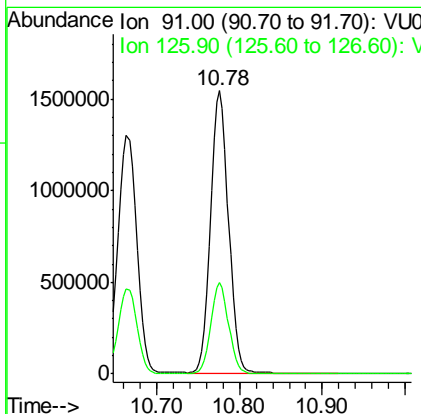
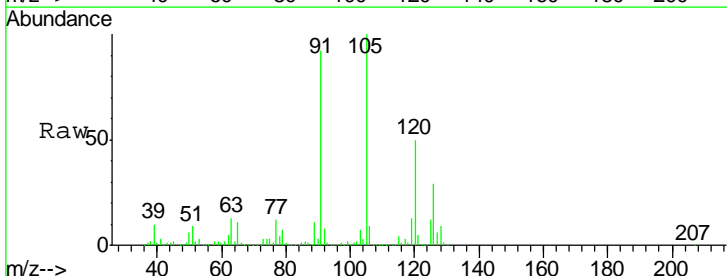
Manual Integrations APPROVED

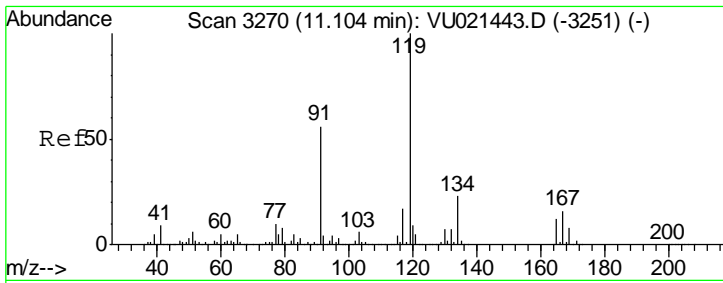
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#82
 4-Chlorotoluene
 Concen: 50.41 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

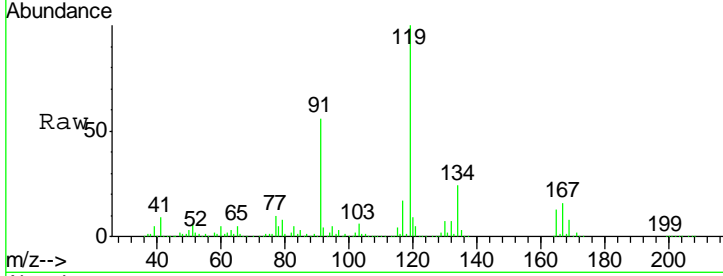
Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.9	47.7





#83
 tert-Butylbenzene
 Concen: 51.60 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

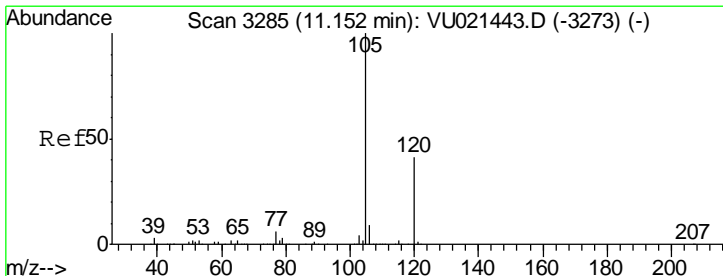
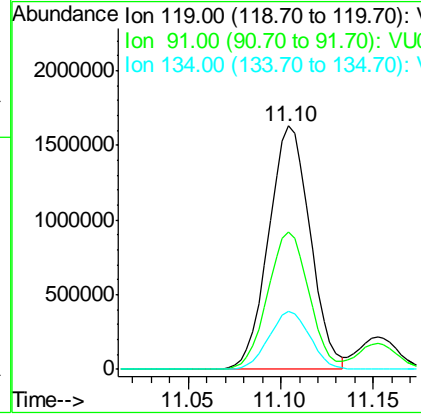
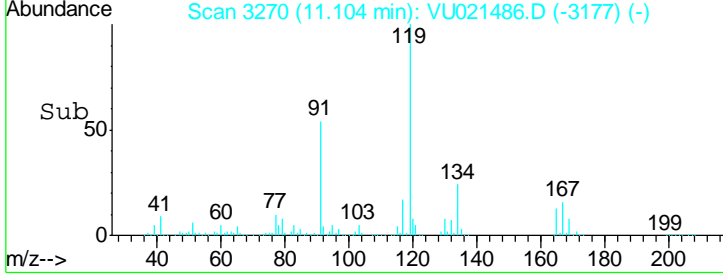
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



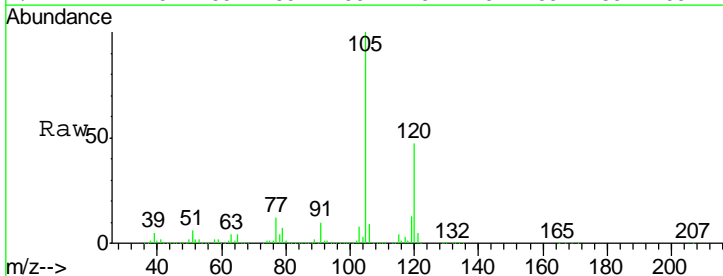
Tgt Ion: 119 Resp: 253524

Ion	Ratio	Lower	Upper
119	100		
91	56.2	28.0	84.0
134	23.6	11.7	35.1

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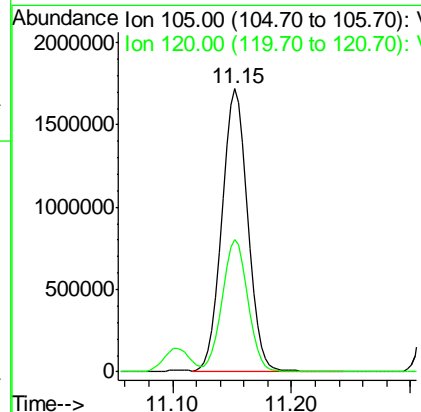
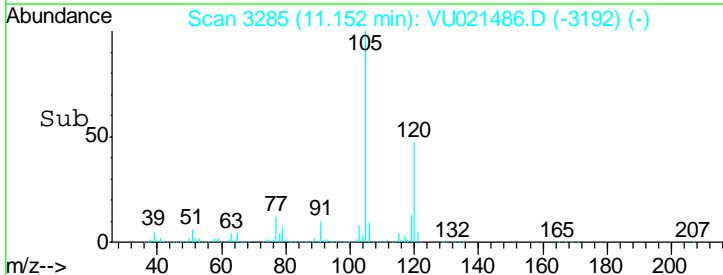


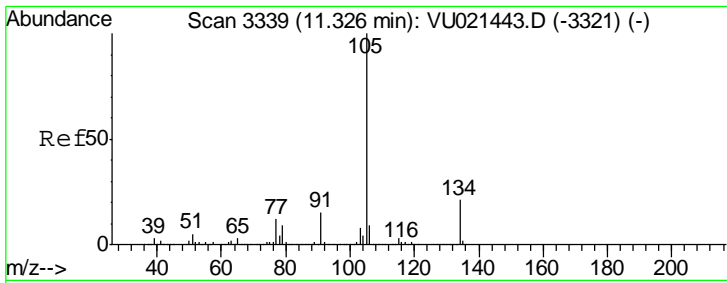
#84
 1,2,4-Trimethylbenzene
 Concen: 51.18 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 105 Resp: 2589884

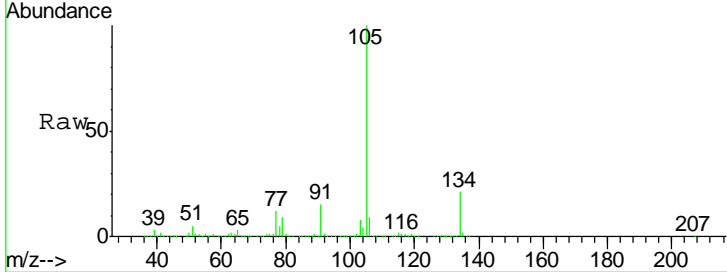
Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.1	69.3





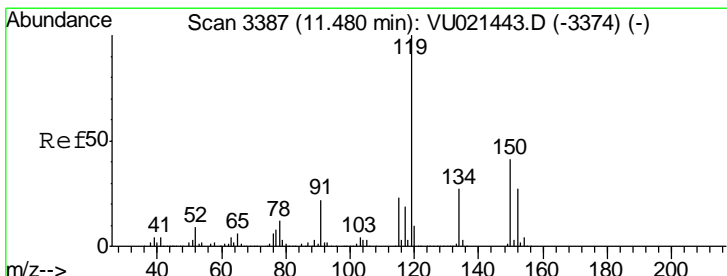
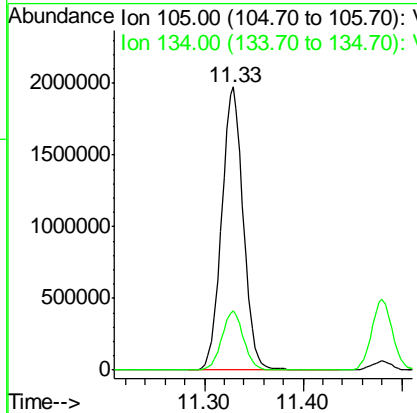
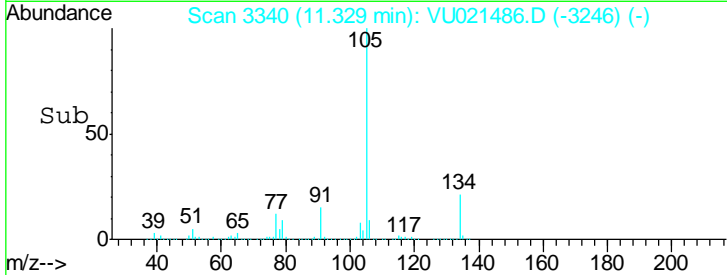
#85
 sec-Butylbenzene
 Concen: 50.56 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

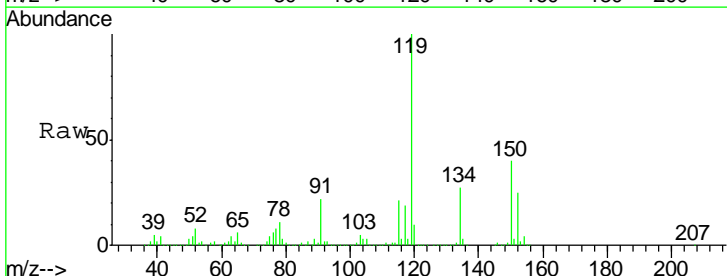


Tgt Ion: 105 Resp: 3035170
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.4 31.4

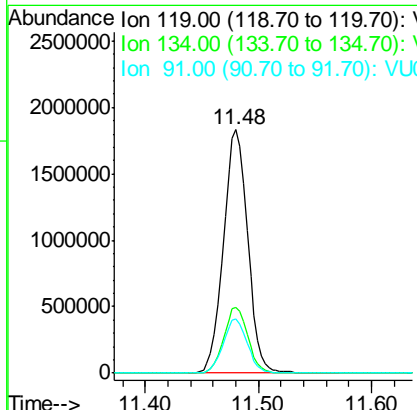
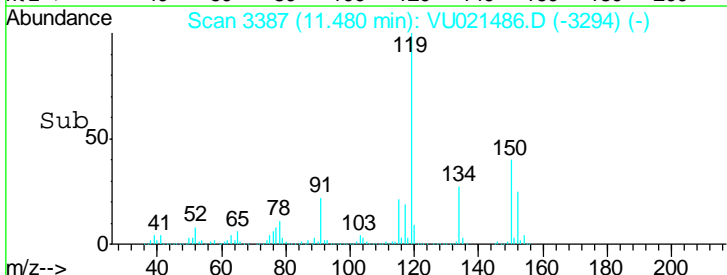
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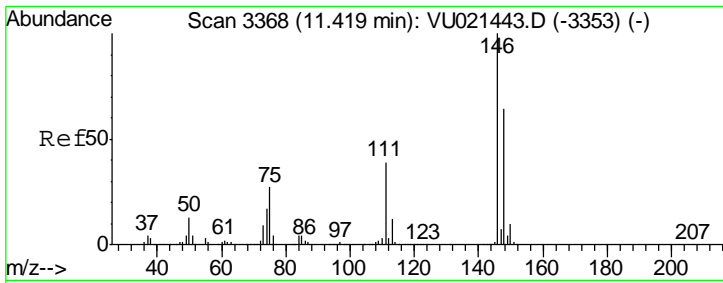


#86
 p-Isopropyltoluene
 Concen: 50.20 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



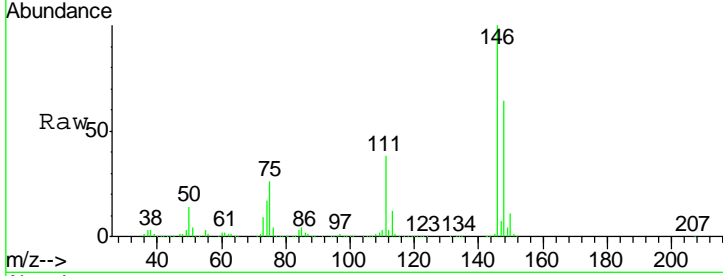
Tgt Ion: 119 Resp: 2731861
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.6 40.7
 91 22.2 11.2 33.6





#87
 1,3-Dichlorobenzene
 Concen: 49.73 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

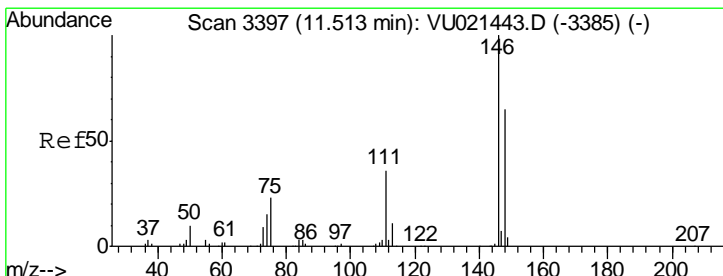
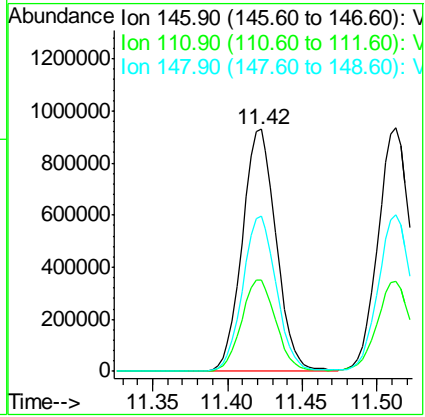
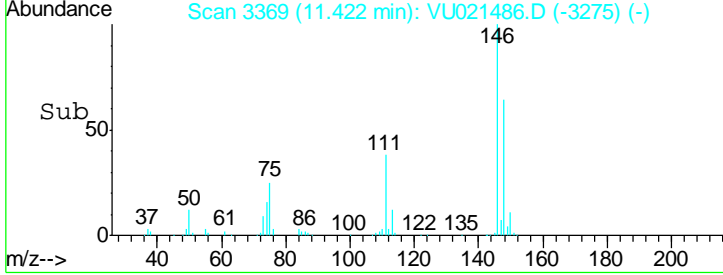
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



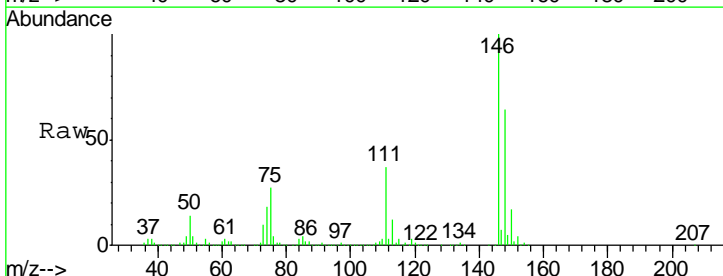
Tgt Ion:146 Resp: 1468655

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	63.6	32.0	96.0

Manual Integrations APPROVED
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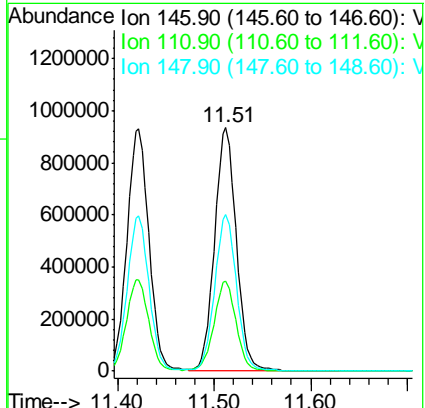
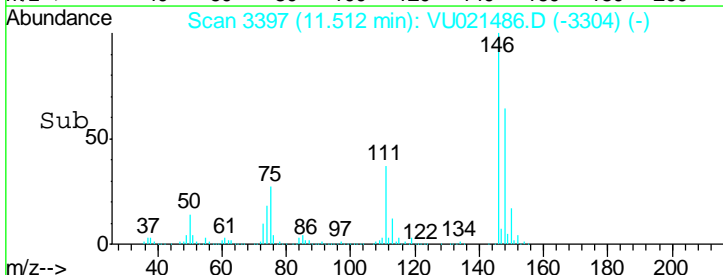


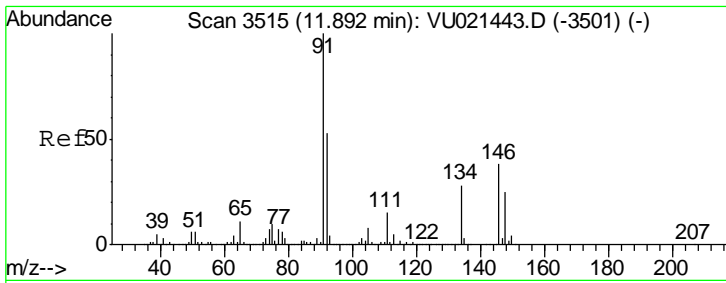
#88
 1,4-Dichlorobenzene
 Concen: 48.35 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion:146 Resp: 1462699

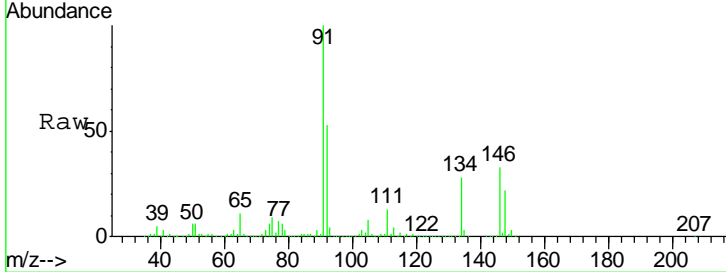
Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	64.6	32.4	97.2





#89
 n-Butylbenzene
 Concen: 47.92 ug/l
 RT: 11.90 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

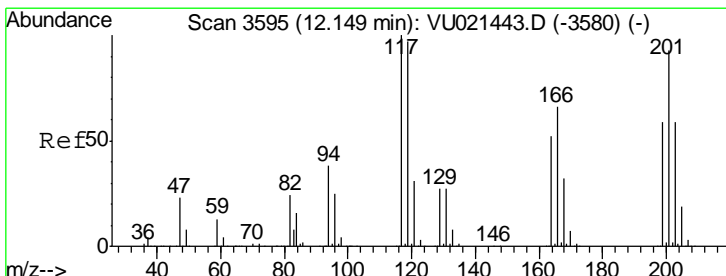
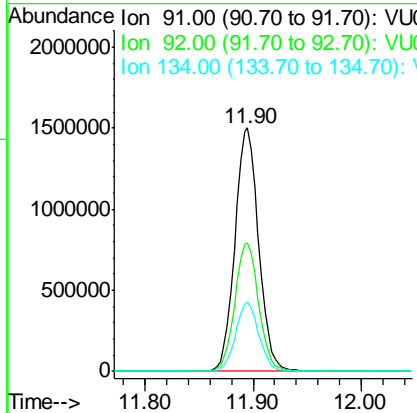
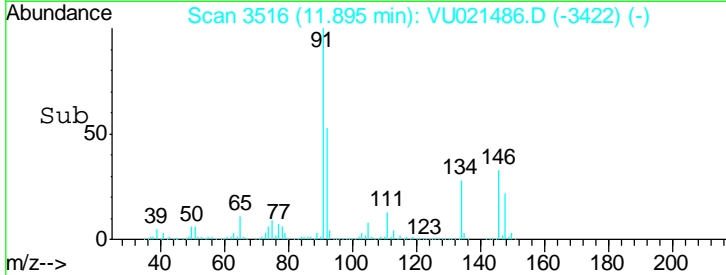
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



Tgt Ion: 91 Resp: 2300086

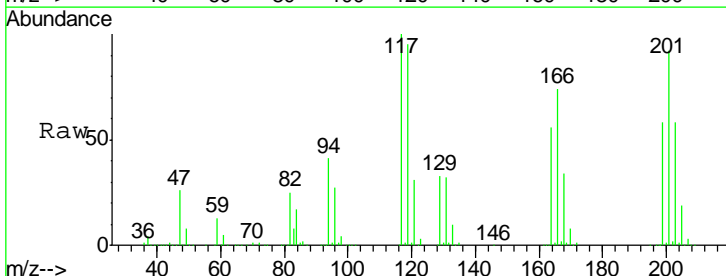
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	28.1	14.0	42.0

Manual Integrations APPROVED
 MMDadoda
 1/5/2018 1:06:17 PM



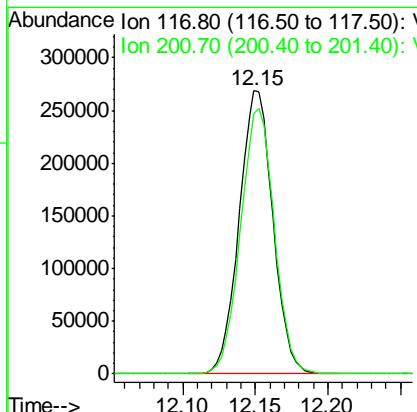
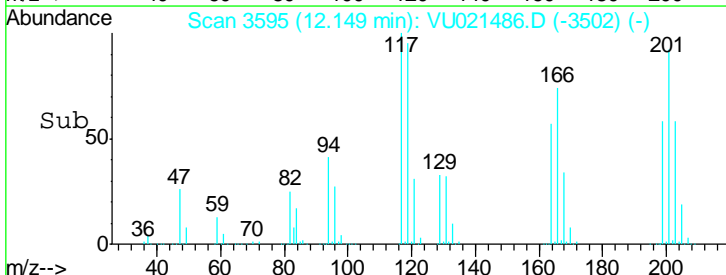
#90
 Hexachloroethane
 Concen: 51.15 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

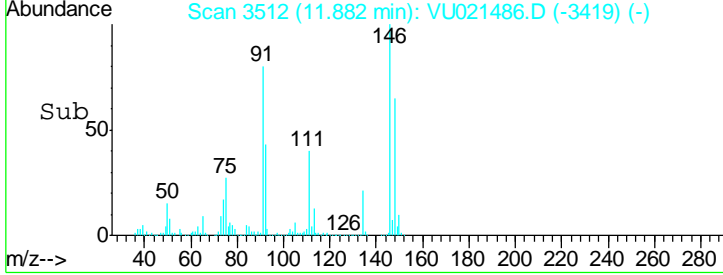
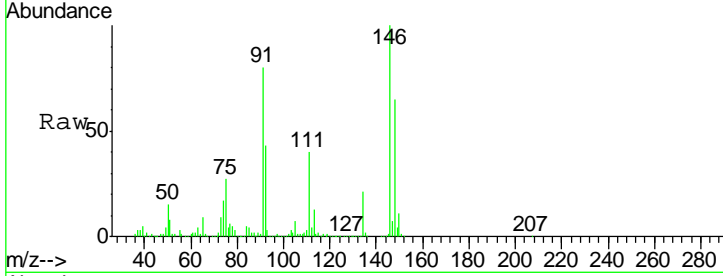
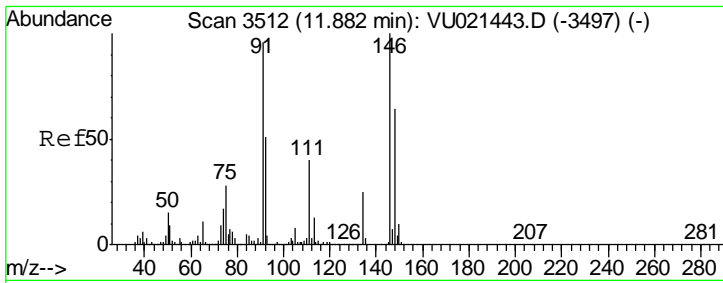
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



Tgt Ion: 117 Resp: 434390

Ion	Ratio	Lower	Upper
117	100		
201	93.8	47.4	142.3



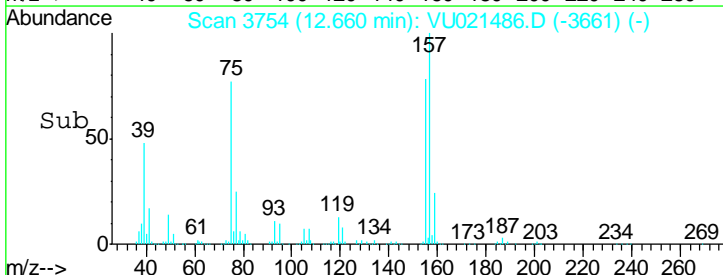
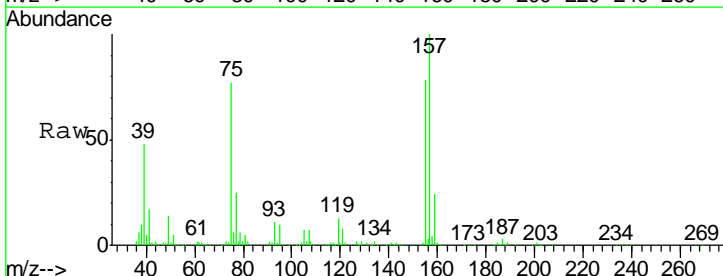
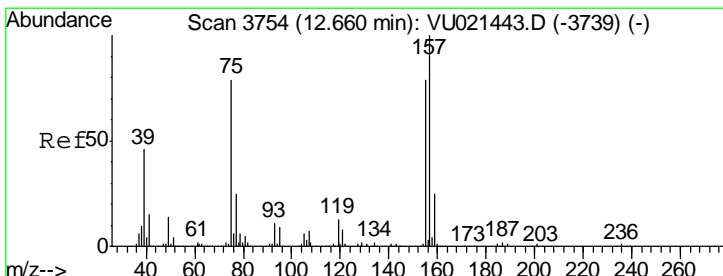
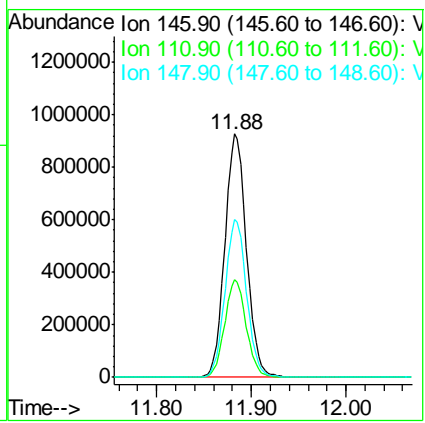


#91
 1,2-Dichlorobenzene
 Concen: 50.01 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	64.9	32.1	96.3

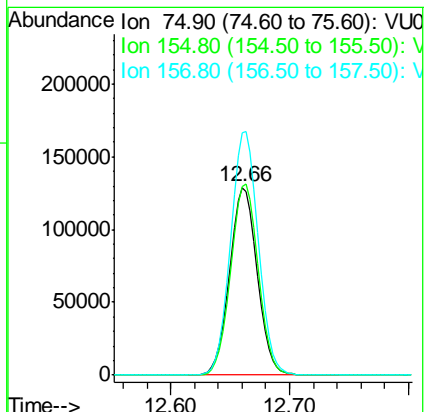
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD

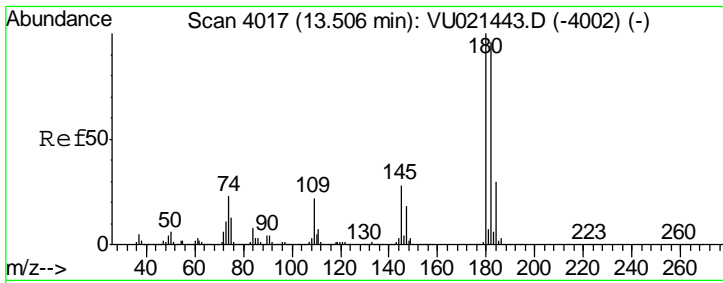
Manual Integrations
APPROVED
 MMDadoda
 1/5/2018 1:06:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.65 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

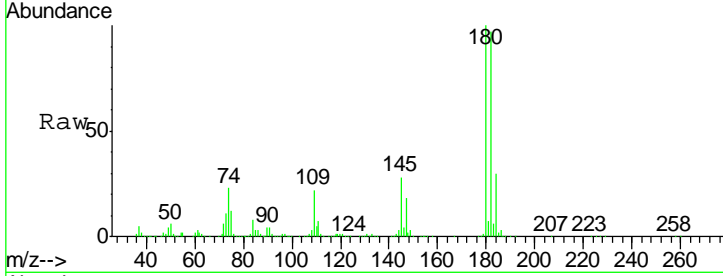
Tgt Ion	Resp	Lower	Upper
75	100		
155	101.5	51.0	153.1
157	129.7	64.5	193.6





#93
 1,2,4-Trichlorobenzene
 Concen: 49.30 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

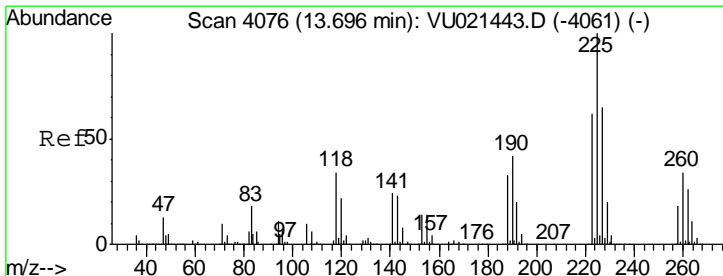
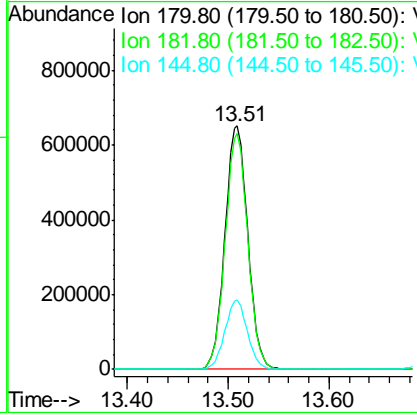
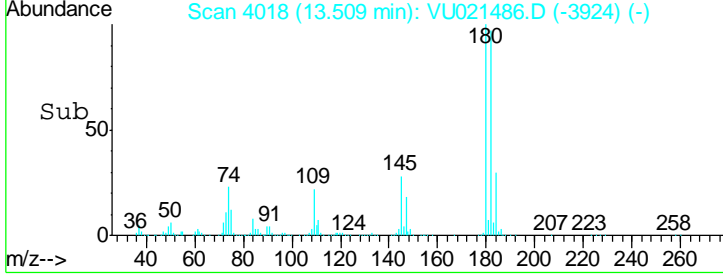
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



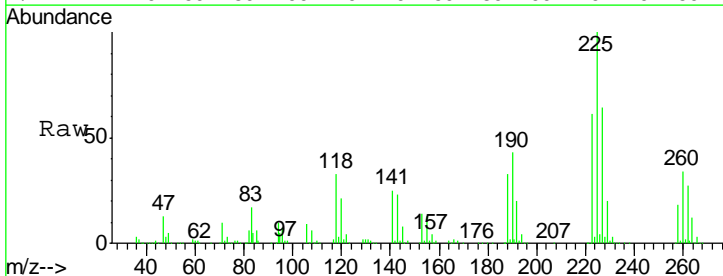
Tgt Ion: 180 Resp: 1034196

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.2	144.6
145	28.1	14.0	42.0

Manual Integrations APPROVED
 MMDadoda
 1/5/2018 1:06:17 PM

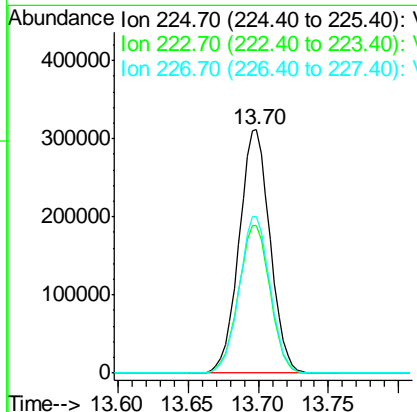
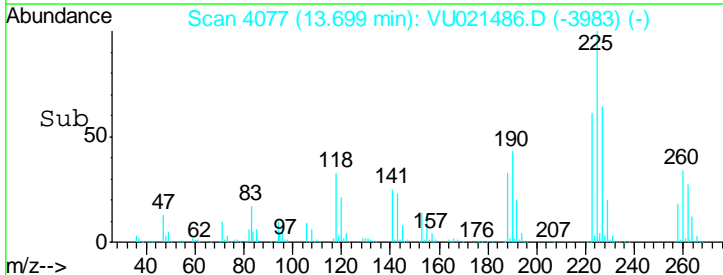


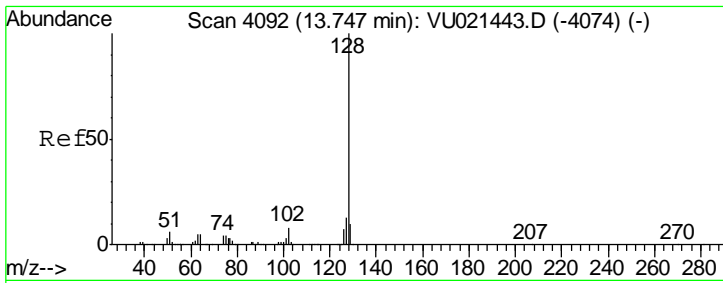
#94
 Hexachlorobutadiene
 Concen: 47.85 ug/l
 RT: 13.70 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 225 Resp: 478103

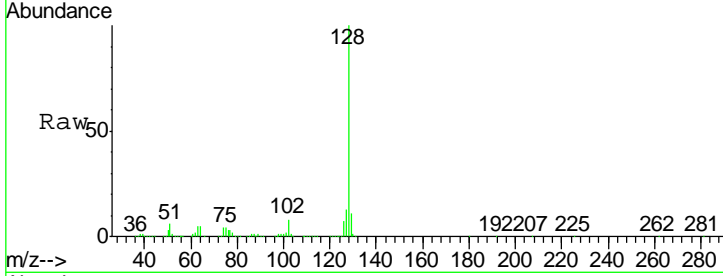
Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.9	92.7
227	64.3	32.6	97.7





#95
 Naphthalene
 Concen: 54.40 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58

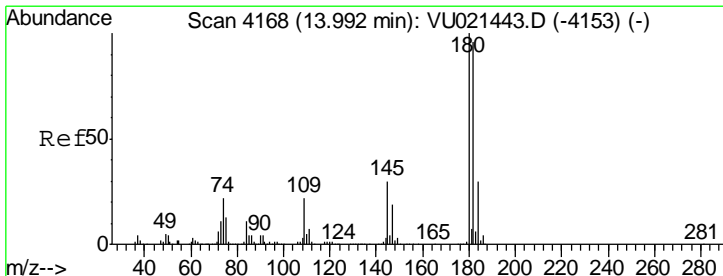
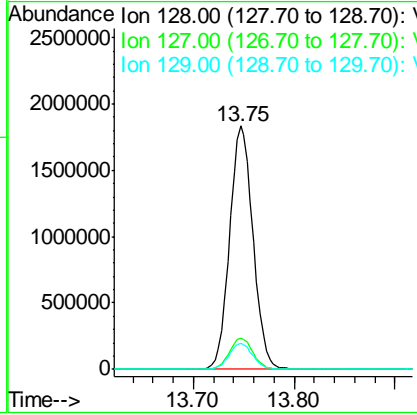
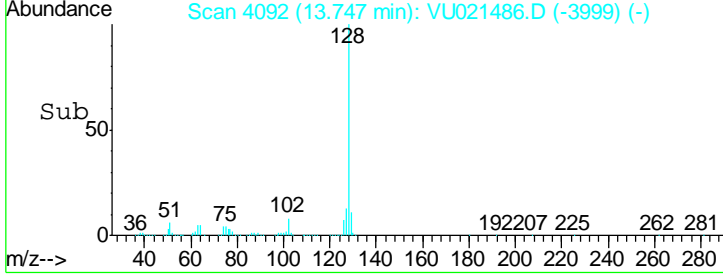
Instrument : MSVOA_U
 Client Sampled : 918-MW-07(22.5)MSD



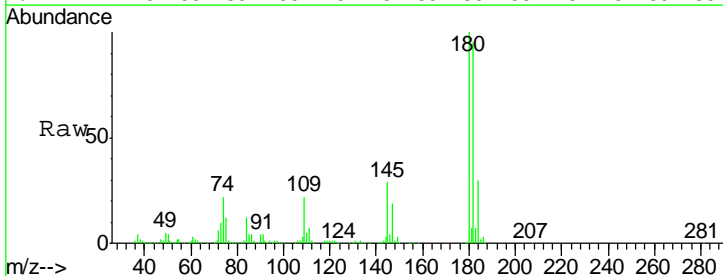
Tgt Ion: 128 Resp: 2966426

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.6	12.8

Manual Integrations APPROVED
 MMDadoda
 1/5/2018 1:06:17 PM

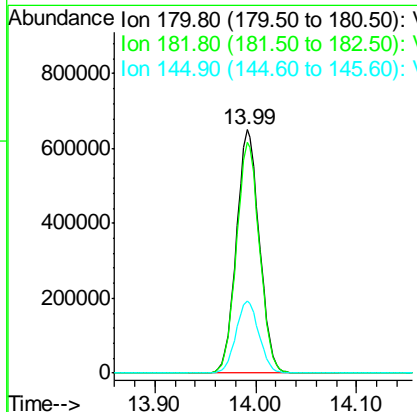
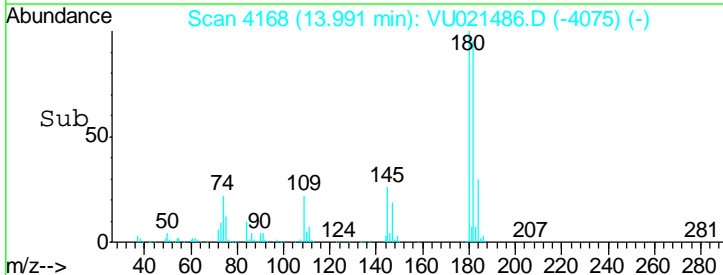


#96
 1,2,3-Trichlorobenzene
 Concen: 50.36 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU021486.D
 Acq: 04 Jan 2018 20:58



Tgt Ion: 180 Resp: 1025789

Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.1	144.3
145	29.7	14.9	44.9



Manual Integration Report

Sequence:	VU010318	Instrument	MSVOA_u
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VU021440.D	1,2,3-Trichloropropane	MMDadoda	1/4/2018 9:31:11 AM	sam	1/4/2018 11:18:32 AM	Peak Integrated by Software incorrectly
VSTDICC001	VU021440.D	1,4-Dichlorobenzene	MMDadoda	1/4/2018 9:31:11 AM	sam	1/4/2018 11:18:32 AM	Peak Integrated by Software incorrectly
VSTDICC001	VU021440.D	trans-1,4-Dichloro-2-butene	MMDadoda	1/4/2018 9:31:11 AM	sam	1/4/2018 11:18:32 AM	Peak Integrated by Software incorrectly
VSTDICC005	VU021441.D	1,2,3-Trichloropropane	MMDadoda	1/4/2018 9:31:16 AM	sam	1/4/2018 11:18:38 AM	Peak Integrated by Software incorrectly
VSTDICC005	VU021441.D	trans-1,4-Dichloro-2-butene	MMDadoda	1/4/2018 9:31:16 AM	sam	1/4/2018 11:18:38 AM	Peak Integrated by Software incorrectly
VSTDICC020	VU021442.D	1,2,3-Trichloropropane	MMDadoda	1/4/2018 9:31:22 AM	sam	1/4/2018 11:18:46 AM	Peak Integrated by Software incorrectly
VSTDICC020	VU021442.D	trans-1,4-Dichloro-2-butene	MMDadoda	1/4/2018 9:31:22 AM	sam	1/4/2018 11:18:46 AM	Peak Integrated by Software incorrectly
VSTDICCC050	VU021443.D	1,2,3-Trichloropropane	MMDadoda	1/4/2018 9:31:27 AM	sam	1/4/2018 11:19:33 AM	Peak Integrated by Software incorrectly
VSTDICCC050	VU021443.D	trans-1,4-Dichloro-2-butene	MMDadoda	1/4/2018 9:31:27 AM	sam	1/4/2018 11:19:33 AM	Peak Integrated by Software incorrectly
VSTDICC100	VU021444.D	1,2,3-Trichloropropane	MMDadoda	1/4/2018 9:31:38 AM	sam	1/4/2018 11:19:38 AM	Peak Integrated by Software incorrectly
VSTDICC100	VU021444.D	Bromomethane	MMDadoda	1/4/2018 9:31:38 AM	sam	1/4/2018 11:19:38 AM	Peak Integrated by Software incorrectly
VSTDICC100	VU021444.D	trans-1,4-Dichloro-2-butene	MMDadoda	1/4/2018 9:31:38 AM	sam	1/4/2018 11:19:38 AM	Peak Integrated by Software incorrectly
VSTDICC150	VU021445.D	1,2,3-Trichloropropane	MMDadoda	1/4/2018 9:31:43 AM	sam	1/4/2018 11:18:52 AM	Peak Integrated by Software incorrectly



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	VU010318	Instrument	MSVOA_u
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC150	VU021445.D	trans-1,4-Dichloro-2-butene	MMDadoda	1/4/2018 9:31:43 AM	sam	1/4/2018 11:18:52 AM	Peak Integrated by Software incorrectly
VSTDICV050	VU021446.D	1,2,3-Trichloropropane	MMDadoda	1/4/2018 9:31:48 AM	sam	1/4/2018 11:18:57 AM	Peak Integrated by Software incorrectly
VSTDICV050	VU021446.D	trans-1,4-Dichloro-2-butene	MMDadoda	1/4/2018 9:31:48 AM	sam	1/4/2018 11:18:57 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VU010418	Instrument	MSVOA_u
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VU0104WBS01	VU021466.D	Chloromethane	sam	1/5/2018 9:00:34 AM	MMDadoda	1/5/2018 1:06:15 PM	Peak Integrated by Software incorrectly
I7090-08MS	VU021485.D	1,2,3-Trichloropropane	sam	1/5/2018 9:00:40 AM	MMDadoda	1/5/2018 1:06:16 PM	Peak Integrated by Software incorrectly
I7090-08MS	VU021485.D	trans-1,4-Dichloro-2-butene	sam	1/5/2018 9:00:40 AM	MMDadoda	1/5/2018 1:06:16 PM	Peak Integrated by Software incorrectly
I7090-09MSD	VU021486.D	1,2,3-Trichloropropane	sam	1/5/2018 9:00:45 AM	MMDadoda	1/5/2018 1:06:17 PM	Peak Integrated by Software incorrectly
I7090-09MSD	VU021486.D	trans-1,4-Dichloro-2-butene	sam	1/5/2018 9:00:45 AM	MMDadoda	1/5/2018 1:06:17 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VU021487.D	1,2,3-Trichloropropane	sam	1/5/2018 9:00:50 AM	MMDadoda	1/5/2018 1:06:18 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VU021487.D	trans-1,4-Dichloro-2-butene	sam	1/5/2018 9:00:50 AM	MMDadoda	1/5/2018 1:06:18 PM	Peak Integrated by Software incorrectly

Daily Analysis Runlog For Sequence/QC Batch ID # VU010318

Review By	MMDadoda	Review On	1/4/2018 9:34:02 AM		
SubDirectory	VU010318	HP Acquire Method	MSVOA_U	HP Processing Method	82U010318W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP67512				
Initial Calibration Stds	VP67513,VP67514,VP67515,VP67516,VP67517,VP67518				
CCC					
Internal Standard/PEM	VP65100				
ICV/I.BLK	VP67519				

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VU021439.D	03 Jan 2018 12:23	MD/SY	Ok
2	VSTDIC001	VU021440.D	03 Jan 2018 12:54	MD/SY	Ok,M
3	VSTDIC005	VU021441.D	03 Jan 2018 13:21	MD/SY	Ok,M
4	VSTDIC020	VU021442.D	03 Jan 2018 13:49	MD/SY	Ok,M
5	VSTDIC050	VU021443.D	03 Jan 2018 14:15	MD/SY	Ok,M
6	VSTDIC100	VU021444.D	03 Jan 2018 14:42	MD/SY	Ok,M
7	VSTDIC150	VU021445.D	03 Jan 2018 15:08	MD/SY	Ok,M
8	VSTDICV050	VU021446.D	03 Jan 2018 15:35	MD/SY	Ok,M
9	VU0103WBL01	VU021447.D	03 Jan 2018 17:26	MD/SY	Ok
10	VU0103WBS01	VU021448.D	03 Jan 2018 17:55	MD/SY	Ok,M
11	PB105436TB	VU021449.D	03 Jan 2018 18:21	MD/SY	ReRun
12	J1005-02	VU021450.D	03 Jan 2018 18:48	MD/SY	Ok,M
13	J1005-03	VU021451.D	03 Jan 2018 19:14	MD/SY	Ok
14	J1008-01	VU021452.D	03 Jan 2018 19:41	MD/SY	Ok
15	I7105-02	VU021453.D	03 Jan 2018 20:07	MD/SY	Ok
16	I7105-04	VU021454.D	03 Jan 2018 20:34	MD/SY	Ok
17	I7105-06	VU021455.D	03 Jan 2018 21:00	MD/SY	Ok
18	J1006-01	VU021456.D	03 Jan 2018 21:27	MD/SY	Ok
19	J1005-01	VU021457.D	03 Jan 2018 21:53	MD/SY	Ok
20	J1005-04	VU021458.D	03 Jan 2018 22:20	MD/SY	Ok
21	J1019-02	VU021459.D	03 Jan 2018 22:47	MD/SY	Ok
22	J1019-04	VU021460.D	03 Jan 2018 23:13	MD/SY	Ok
23	J1022-02	VU021461.D	03 Jan 2018 23:40	MD/SY	Ok
24	VU0103WBSD01	VU021462.D	04 Jan 2018 00:06	MD/SY	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VU010418

Review By	MMDadoda	Review On	1/5/2018 11:05:40 AM		
SubDirectory	VU010418	HP Acquire Method	MSVOA_U	HP Processing Method	82U010318W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP67526				
Initial Calibration Stds	VP67513,VP67514,VP67515,VP67516,VP67517,VP67518				
CCC	VP67528,VP67529				
Internal Standard/PEM	VP65100				
ICV/I.BLK					

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB	VU021463.D	04 Jan 2018 09:58	MD/SY	Ok
2	VSTDCCC050	VU021464.D	04 Jan 2018 10:35	MD/SY	Ok
3	VU0104WBL01	VU021465.D	04 Jan 2018 11:36	MD/SY	Ok
4	VU0104WBS01	VU021466.D	04 Jan 2018 12:03	MD/SY	Ok,M
5	I7090-17	VU021467.D	04 Jan 2018 12:30	MD/SY	Ok
6	I7090-18	VU021468.D	04 Jan 2018 12:57	MD/SY	Ok
7	I7090-02	VU021469.D	04 Jan 2018 13:24	MD/SY	Ok
8	I7090-04	VU021470.D	04 Jan 2018 13:51	MD/SY	Ok
9	I7090-05	VU021471.D	04 Jan 2018 14:18	MD/SY	Ok
10	I7090-06	VU021472.D	04 Jan 2018 14:44	MD/SY	Ok
11	I7090-07	VU021473.D	04 Jan 2018 15:11	MD/SY	Ok
12	I7090-10	VU021474.D	04 Jan 2018 15:38	MD/SY	Ok
13	I7090-11	VU021475.D	04 Jan 2018 16:05	MD/SY	Ok
14	I7090-12	VU021476.D	04 Jan 2018 16:32	MD/SY	Ok
15	I7090-14	VU021477.D	04 Jan 2018 16:58	MD/SY	Ok
16	I7090-16	VU021478.D	04 Jan 2018 17:25	MD/SY	Ok
17	I7090-03	VU021479.D	04 Jan 2018 17:52	MD/SY	Ok
18	I7090-13	VU021480.D	04 Jan 2018 18:19	MD/SY	Ok
19	I7090-01	VU021481.D	04 Jan 2018 18:45	MD/SY	Dilution
20	I7090-01DL	VU021482.D	04 Jan 2018 19:12	MD/SY	Ok
21	I7090-15	VU021483.D	04 Jan 2018 19:38	MD/SY	Dilution
22	I7090-15DL	VU021484.D	04 Jan 2018 20:05	MD/SY	Ok
23	I7090-08MS	VU021485.D	04 Jan 2018 20:32	MD/SY	Ok,M
24	I7090-09MSD	VU021486.D	04 Jan 2018 20:58	MD/SY	Ok,M
25	VSTDCCC050	VU021487.D	04 Jan 2018 21:25	MD/SY	Ok,M

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU010318

Review By	MMDadoda	Review On	1/4/2018 9:34:02 AM		
SubDirectory	VU010318	HP Acquire Method	MSVOA_U	HP Processing Method	82U010318W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP67512				
Initial Calibration Stds	VP67513,VP67514,VP67515,VP67516,VP67517,VP67518				
CCC					
Internal Standard/PEM	VP65100				
ICV/I.BLK	VP67519				
Sr#	SampleID	ClientID	Data File Name	Comment	Status
1	BFB	BFB	VU021439.D		Ok
2	VSTDIC001	VSTDIC001	VU021440.D		Ok,M
3	VSTDIC005	VSTDIC005	VU021441.D		Ok,M
4	VSTDIC020	VSTDIC020	VU021442.D	LR Used Comp#10,31,81	Ok,M
5	VSTDIC050	VSTDIC050	VU021443.D		Ok,M
6	VSTDIC100	VSTDIC100	VU021444.D		Ok,M
7	VSTDIC150	VSTDIC150	VU021445.D	Comp#5 Remove in 150ppb	Ok,M
8	VSTDICV050	ICVVU010318	VU021446.D		Ok,M
9	VU0103WBL01	VU0103WBL01	VU021447.D		Ok
10	VU0103WBS01	VU0103WBS01	VU021448.D		Ok,M
11	PB105436TB	PB105436TB	VU021449.D	Surrogate Fail	ReRun
12	J1005-02	OWS-2	VU021450.D		Ok,M
13	J1005-03	OWS-3	VU021451.D		Ok
14	J1008-01	SOIL-CUTTINGS	VU021452.D		Ok
15	I7105-02	RT4644	VU021453.D		Ok
16	I7105-04	RT4651	VU021454.D		Ok
17	I7105-06	RT1500	VU021455.D		Ok
18	J1006-01	OWS-1	VU021456.D		Ok
19	J1005-01	OWS-1	VU021457.D		Ok
20	J1005-04	OWS-4	VU021458.D		Ok
21	J1019-02	EO-01-010218-A	VU021459.D		Ok
22	J1019-04	EO-01-010218-B	VU021460.D		Ok

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU010318

Review By	MMDadoda	Review On	1/4/2018 9:34:02 AM		
SubDirectory	VU010318	HP Acquire Method	MSVOA_U	HP Processing Method	82U010318W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP67512				
Initial Calibration Stds	VP67513,VP67514,VP67515,VP67516,VP67517,VP67518				
CCC					
Internal Standard/PEM	VP65100				
ICV/I.BLK	VP67519				
23	J1022-02	SU-03-010218	VU021461.D		Ok
24	VU0103WBSD01	VU0103WBSD01	VU021462.D		Ok,M

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Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU010418

Review By	MMDadoda	Review On	1/5/2018 11:05:40 AM		
SubDirectory	VU010418	HP Acquire Method	MSVOA_U	HP Processing Method	82U010318W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP67526				
Initial Calibration Stds	VP67513,VP67514,VP67515,VP67516,VP67517,VP67518				
CCC	VP67528,VP67529				
Internal Standard/PEM	VP65100				
ICV/I.BLK					
Sr#	SampleID	ClientID	Data File Name	Comment	Status
1	BFB	BFB	VU021463.D		Ok
2	VSTDCCC050	VSTDCCC050	VU021464.D		Ok
3	VU0104WBL01	VU0104WBL01	VU021465.D		Ok
4	VU0104WBS01	VU0104WBS01	VU021466.D		Ok,M
5	I7090-17	926-FB122717	VU021467.D	pH<2A	Ok
6	I7090-18	927-TB127717	VU021468.D	pH<2A	Ok
7	I7090-02	913-MW-02(23.8)	VU021469.D	pH<2A	Ok
8	I7090-04	915-MW-04(23)	VU021470.D	pH<2A	Ok
9	I7090-05	916-MW-05(17)	VU021471.D	pH<2A	Ok
10	I7090-06	917-MW-06(17)	VU021472.D	pH<2A	Ok
11	I7090-07	918-MW-07(22.5)	VU021473.D	pH<2A	Ok
12	I7090-10	919-MW-11(15)	VU021474.D	pH<2A	Ok
13	I7090-11	920-MW-15(17)	VU021475.D	pH<2A	Ok
14	I7090-12	921-MW-16(22.5)	VU021476.D	pH<2A	Ok
15	I7090-14	923-MW-18(21.5)	VU021477.D	pH<2A	Ok
16	I7090-16	925-MW-20(22)	VU021478.D	pH<2A	Ok
17	I7090-03	914-MW-03A(17)	VU021479.D	pH<2A	Ok
18	I7090-13	922-MW-17(15.5)	VU021480.D	pH<2A	Ok
19	I7090-01	912-MW-01(23)	VU021481.D	pH<2A ,Need 5x	Dilution
20	I7090-01DL	912-MW-01(23)DL	VU021482.D		Ok
21	I7090-15	924-MW-19(28)	VU021483.D	pH<2A ,Need 5x	Dilution
22	I7090-15DL	924-MW-19(28)DL	VU021484.D		Ok

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU010418

Review By	MMDadoda	Review On	1/5/2018 11:05:40 AM		
SubDirectory	VU010418	HP Acquire Method	MSVOA_U	HP Processing Method	82U010318W.M
STD. NAME	STD REF.#				
Tune/Reschk	VP67526				
Initial Calibration Stds	VP67513,VP67514,VP67515,VP67516,VP67517,VP67518				
CCC	VP67528,VP67529				
Internal Standard/PEM	VP65100				
ICV/I.BLK					
23	I7090-08MS	918-MW-07(22.5)MS	VU021485.D	pH<2A	Ok,M
24	I7090-09MSD	918-MW-07(22.5)MSD	VU021486.D	pH<2A	Ok,M
25	VSTDCCC050	VSTDCCC050EC	VU021487.D		Ok,M

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Prep Standard - Chemical Standard Summary

Order ID : I7090
Test : VOC-TCLVOA-10
Prepbatch ID :
Sequence ID/Qc Batch ID: VU010418,

Standard ID :
VP63804,VP65100,VP65101,VP65103,VP66897,VP66900,VP67446,VP67447,VP67448,VP67450,VP67451,VP67452,VP67458,VP67460,VP67513,VP67514,VP67515,VP67516,VP67517,VP67518,VP67526,VP67528,VP67529,

Chemical ID :
V1456,V5220,V6517,V6559,V6636,V6642,V6695,V6696,V7171,V7172,V7515,V7516,V7517,V7518,V7519,V7687,V7768,V7770,V7771,V7840,V7841,V7865,V7871,V7878,V7879,V7948,V7953,V7980,V7982,V8103,V8104,V8167,V8168,V8169,

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
218	BFB, 25PPM	VP63804	08/03/2017	02/03/2018	sam
<p>FROM 0.500ml of V5220 + 49.500ml of V7687 = Final Quantity: 50.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
247	8260 Internal Standard, 250PPM	VP65100	10/02/2017	04/02/2018	sam
<p>FROM 0.500ml of V6636 + 49.500ml of V7871 = Final Quantity: 50.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1810	8260 Working Std(2-CVE)-800ppm	VP65101	10/02/2017	04/02/2018	sam
<p>FROM 0.800ml of V6559 + 1.600ml of V7171 + 1.600ml of V7172 + 46.000ml of V7948 = Final Quantity: 50.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1812	8260 Working Std(2-CVE)-100ppm	VP65103	10/02/2017	04/02/2018	sam
<p>FROM 17.500ml of V7948 + 2.500ml of VP65101 = Final Quantity: 20.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP66897	12/11/2017	01/24/2018	sam
<p>FROM 0.200ml of V7982 + 0.200ml of V8104 + 0.320ml of V6517 + 0.400ml of V7770 + 0.400ml of V7840 + 0.600ml of V6695 + 0.600ml of V7878 + 1.000ml of V6696 + 1.000ml of V7879 + 1.200ml of V7768 + 1.200ml of V7841 + 1.400ml of V7980 + 1.400ml of V8103 + 1.600ml of V7771 + 8.480ml of V7865 = Final Quantity: 20.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
245	8260 Calibration Working STD Mix-First source, 20PPM	VP66900	12/11/2017	01/24/2018	sam
<p>FROM 13.125ml of V7865 + 1.875ml of VP66897 = Final Quantity: 15.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
719	8260 Working STD (BCM)-First source, 400PPM	VP67446	12/29/2017	06/29/2018	sam
<p>FROM 0.500ml of V7518 + 1.500ml of V7515 + 1.500ml of V7516 + 1.500ml of V7517 + 20.000ml of V7953 = Final Quantity: 25.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
252	8260 Working STD (BCM)-First source, 100PPM	VP67447	12/29/2017	06/29/2018	sam
<p>FROM 0.250ml of V7518 + 1.000ml of V7519 + 23.750ml of V7953 = Final Quantity: 25.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
253	8260 Working STD (BCM)-First source, 20PPM	VP67448	12/29/2017	06/29/2018	sam
FROM 0.250ml of V7519 + 24.750ml of V7953 = Final Quantity: 25.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
617	8260 Surrogate, 400PPM	VP67450	12/29/2017	06/29/2018	sam
FROM 0.800ml of V6642 + 49.020ml of V7953 = Final Quantity: 50.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
249	8260 Surrogate, 100PPM	VP67451	12/29/2017	06/29/2018	sam
FROM 0.200ml of V6642 + 49.800ml of V7953 = Final Quantity: 50.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1738	8260 surrogate 20 ppm	VP67452	12/29/2017	06/29/2018	sam
FROM 0.020ml of V6642 + 24.990ml of V7953 = Final Quantity: 25.000 ml					

STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP67458	12/29/2017	01/27/2018	sam
<p>FROM 1.000ml of V8169 + 1.500ml of V8167 + 1.500ml of V8168 + 21.000ml of V7953 = Final Quantity: 25.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
180	8260 Working STD (Acrolein)-First source, 100PPM	VP67460	12/29/2017	01/27/2018	sam
<p>FROM 17.500ml of V7953 + 2.500ml of VP67458 = Final Quantity: 20.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
334	1 PPB ICC, 8260-Water	VP67513	01/03/2018	01/04/2018	MMDadoda
<p>FROM 39.982ml of V1456 + 0.002ml of VP65103 + 0.002ml of VP66900 + 0.002ml of VP67460 + 0.008ml of VP65100 + 0.008ml of VP67448 + 0.008ml of VP67452 = Final Quantity: 40.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
335	5 PPB ICC, 8260-Water	VP67514	01/03/2018	01/04/2018	MMDadoda
<p>FROM 39.942ml of V1456 + 0.008ml of VP65100 + 0.010ml of VP65103 + 0.010ml of VP66900 + 0.010ml of VP67448 + 0.010ml of VP67452 + 0.010ml of VP67460 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
337	20 PPB ICC, 8260-Water	VP67515	01/03/2018	01/04/2018	MMDadoda
<p>FROM 39.961ml of V1456 + 0.005ml of VP65101 + 0.005ml of VP66897 + 0.005ml of VP67458 + 0.008ml of VP65100 + 0.008ml of VP67447 + 0.008ml of VP67451 = Final Quantity: 40.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
380	50 PPB ICC, 8260-Water	VP67516	01/03/2018	01/04/2018	MMDadoda
<p>FROM 39.945ml of V1456 + 0.005ml of VP67446 + 0.005ml of VP67450 + 0.008ml of VP65100 + 0.013ml of VP65101 + 0.013ml of VP66897 + 0.013ml of VP67458 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
381	100 PPB ICC, 8260-Water	VP67517	01/03/2018	01/04/2018	MMDadoda
<p>FROM 39.897ml of V1456 + 0.008ml of VP65100 + 0.010ml of VP67446 + 0.010ml of VP67450 + 0.025ml of VP65101 + 0.025ml of VP66897 + 0.025ml of VP67458 = Final Quantity: 40.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
382	150 PPB ICC, 8260-Water	VP67518	01/03/2018	01/04/2018	MMDadoda
<p>FROM 39.850ml of V1456 + 0.008ml of VP65100 + 0.015ml of VP67446 + 0.015ml of VP67450 + 0.038ml of VP65101 + 0.038ml of VP66897 + 0.038ml of VP67458 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
589	BFB TUNE CHECK	VP67526	01/04/2018	01/05/2018	MMDadoda

FROM 39.984ml of V1456 + 0.016ml of VP63804 = Final Quantity: 40.000 ml

RecipeID	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
620	50 PPB CCC, 8260-Water	VP67528	01/04/2018	01/05/2018	MMDadoda

FROM 39.945ml of V1456 + 0.005ml of VP67446 + 0.005ml of VP67450 + 0.008ml of VP65100 + 0.013ml of VP65101 + 0.013ml of VP66897 + 0.013ml of VP67458 = Final Quantity: 40.000 ml

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
620	50 PPB CCC, 8260-Water	VP67529	01/04/2018	01/05/2018	MMDadoda
<u>FROM</u>	39.945ml of V1456 + 0.005ml of VP67446 + 0.005ml of VP67450 + 0.008ml of VP65100 + 0.013ml of VP65101 + 0.013ml of VP66897 + 0.013ml of VP67458 = Final Quantity: 40.000 ml				

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Res-Kem General water	DIW / DI Water	DAILY	12/31/2019	03/01/2010 / apatel	03/02/2010 / apatel	V1456

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0102518	04/30/2019	08/03/2017 / sam	07/14/2014 / sam	V5220

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0110153	11/30/2018	11/01/2017 / sam	01/14/2016 / sam	V6517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	06/28/2017 / sam	02/17/2016 / sam	V6559

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0118136	03/31/2019	06/28/2017 / sam	03/21/2016 / sam	V6636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0118140	03/31/2019	11/15/2017 / sam	03/21/2016 / sam	V6642

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	041116	04/11/2019	11/01/2017 / sam	04/12/2016 / sam	V6695

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	041116	04/11/2019	11/01/2017 / sam	04/12/2016 / sam	V6696

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	10/02/2017 / sam	11/16/2016 / Sam	V7171

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	10/02/2017 / sam	11/16/2016 / Sam	V7172

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	12/29/2017 / sam	03/07/2017 / Sam	V7515

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	12/29/2017 / sam	03/07/2017 / Sam	V7516

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	12/29/2017 / sam	03/07/2017 / Sam	V7517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	12/29/2017 / sam	03/07/2017 / Sam	V7518

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	12/29/2017 / sam	03/07/2017 / Sam	V7519

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	165008	01/18/2019	08/01/2017 / sam	05/31/2017 / sam	V7687

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0122363	01/31/2020	11/01/2017 / sam	06/14/2017 / sam	V7768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0122363	01/31/2020	11/01/2017 / sam	06/14/2017 / sam	V7770

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0122363	01/31/2020	12/11/2017 / sam	06/14/2017 / sam	V7771

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0129506	01/31/2018	11/01/2017 / sam	08/01/2017 / sam	V7840

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0129506	01/31/2018	12/11/2017 / sam	08/01/2017 / sam	V7841

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000177891	06/21/2019	12/11/2017 / sam	08/14/2017 / sam	V7865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000177891	06/21/2019	09/21/2017 / sam	08/14/2017 / sam	V7871

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	051215	05/12/2018	11/01/2017 / sam	08/17/2017 / sam	V7878

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	051215	05/12/2018	11/01/2017 / sam	08/17/2017 / sam	V7879

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	10/02/2017 / sam	09/13/2017 / sam	V7948

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	12/29/2017 / sam	09/13/2017 / sam	V7953

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	a0130478	05/31/2024	12/11/2017 / sam	09/21/2017 / sam	V7980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	a0130478	05/31/2024	11/01/2017 / sam	09/21/2017 / sam	V7982

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0131520	04/30/2018	12/11/2017 / sam	11/03/2017 / sam	V8103

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0131520	04/30/2018	12/11/2017 / sam	11/03/2017 / sam	V8104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	122717	01/27/2018	12/29/2017 / sam	12/28/2017 / sam	V8167

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	122717	01/27/2018	12/29/2017 / sam	12/28/2017 / sam	V8168

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	122717	01/27/2018	12/29/2017 / sam	12/28/2017 / sam	V8169

2-12

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000165008
Manufactured Date: 2017/01/20
Expiration Date: 2019/01/18

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.2000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use In EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

Manufacturer source batch: 0000163941



For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600

Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

Certificate of Analysis

www.restek.com



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 Lot No.: A0110153

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : April 30, 2018 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBF0688V)	50,038.0 µg/mL	+/- 292.9835 µg/mL	Gravimetric	
			+/- 1,061.7413 µg/mL	Unstressed	
			+/- 1,066.4473 µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



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Catalog No. : 30006 **Lot No.:** A0122363
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : January 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)		
1	Acetone CAS # 67-64-1 Purity 99% (Lot SHBH0922V)	5,001.4 µg/mL	+/-	29.0786	µg/mL Gravimetric
			+/-	301.7566	µg/mL Unstressed
			+/-	302.4730	µg/mL Stressed
2	2-Butanone (MEK) CAS # 78-93-3 Purity 98% (Lot SHBG0444V)	5,002.2 µg/mL	+/-	29.0833	µg/mL Gravimetric
			+/-	301.8057	µg/mL Unstressed
			+/-	302.5223	µg/mL Stressed
3	4-Methyl-2-pentanone (MIBK) CAS # 108-10-1 Purity 99% (Lot SHBG3630V)	5,003.5 µg/mL	+/-	29.0908	µg/mL Gravimetric
			+/-	301.8833	µg/mL Unstressed
			+/-	302.6000	µg/mL Stressed
4	2-Hexanone CAS # 591-78-6 Purity 99% (Lot MKBW0198V)	5,000.4 µg/mL	+/-	29.0728	µg/mL Gravimetric
			+/-	301.6963	µg/mL Unstressed
			+/-	302.4126	µg/mL Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0125405

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Component	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)			
1	Bromochloromethane	2,000.0 µg/mL (Lot 00004559)	+/-	11.8794	µg/mL	Gravimetric
	CAS # 74-97-5		+/-	112.1643	µg/mL	Unstressed
	Purity 99%		+/-	114.7876	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000177891
Manufactured Date: 2017/06/23
Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.4000
Titration Acid (µeq/g)	<= 0.3	0.3
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panaji, India 9001:2008

James T. Ethier
James Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0130478
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2024 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.I., K=2)			
1	Dichlorodifluoromethane (CFC-12)	2,000.7 µg/mL	+/-	13.0833	µg/mL	Gravimetric
	CAS # 75-71-8 (Lot Q167-08)		+/-	112.3353	µg/mL	Unstressed
	Purity 99%		+/-	114.9565	µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,001.4 µg/mL	+/-	13.6292	µg/mL	Gravimetric
	CAS # 74-87-3 (Lot SHBG9707V)		+/-	112.4390	µg/mL	Unstressed
	Purity 99%		+/-	115.0595	µg/mL	Stressed
3	Vinyl chloride	1,999.0 µg/mL	+/-	13.9175	µg/mL	Gravimetric
	CAS # 75-01-4 (Lot 1026101231B1)		+/-	112.3448	µg/mL	Unstressed
	Purity 99%		+/-	114.9615	µg/mL	Stressed
4	Bromomethane (methyl bromide)	1,999.2 µg/mL	+/-	16.6472	µg/mL	Gravimetric
	CAS # 74-83-9 (Lot 101604)		+/-	112.7243	µg/mL	Unstressed
	Purity 99%		+/-	115.3328	µg/mL	Stressed
5	Chloroethane (ethyl chloride)	1,998.7 µg/mL	+/-	14.3010	µg/mL	Gravimetric
	CAS # 75-00-3 (Lot 23593)		+/-	112.3769	µg/mL	Unstressed
	Purity 99%		+/-	114.9921	µg/mL	Stressed
6	Trichlorofluoromethane (CFC-11)	2,000.4 µg/mL	+/-	13.2266	µg/mL	Gravimetric
	CAS # 75-69-4 (Lot SHBH4155V)		+/-	112.3349	µg/mL	Unstressed
	Purity 99%		+/-	114.9553	µg/mL	Stressed



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Certificate of Composition



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-FL **Lot No.:** A0129506

Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.I. K=2)		
1	Vinyl acetate CAS # 108-05-4 Purity 99%	8,018.0 µg/mL (Lot STBD7333V)	+/- 47.0541	µg/mL	Gravimetric
			+/- 483.8038	µg/mL	Unstressed
			+/- 484.9522	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 021616
Description: 2-Chloroethyl vinyl ether
Solvent(s): Methanol
Lot#: DM417

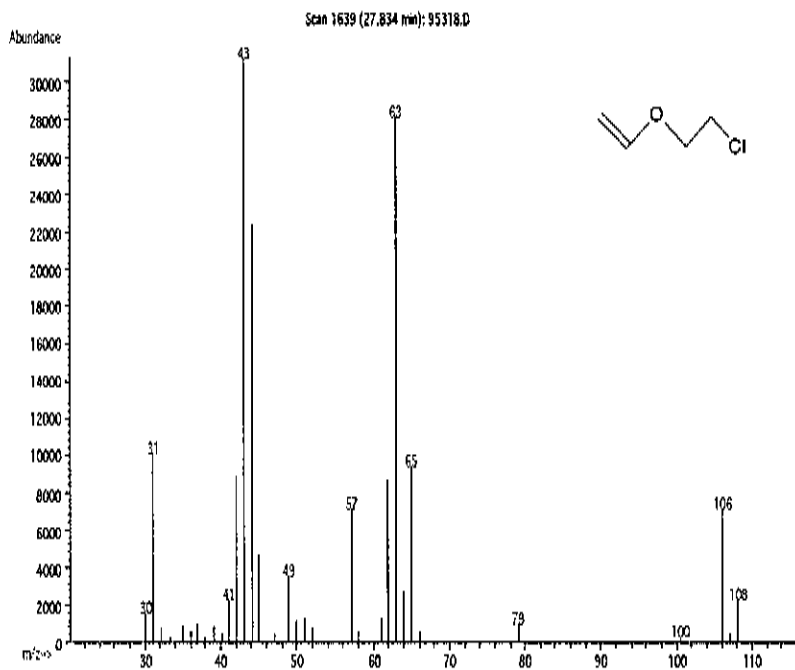
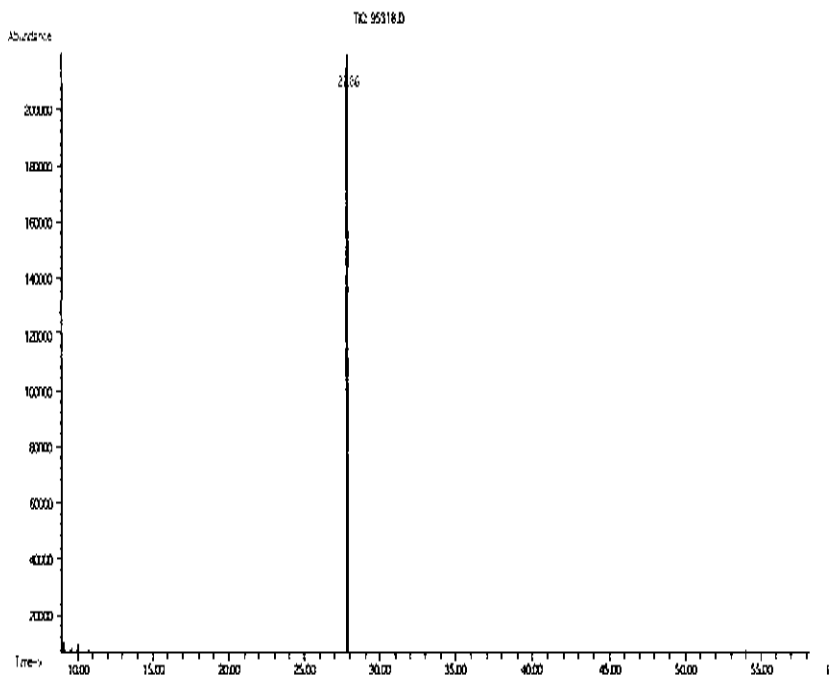
Expiration Date: 021619
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 822-275872-11

Weight(s) shown below were combined and diluted to (mL): 25.0 0.006 Flask Uncertainty

Gabriel Helland 021616
Formulated By: Gabriel Helland **DATE**
Pedro L. Rentas 021616
Reviewed By: Pedro L. Rentas **DATE**

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	MSDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	03206C1	10000	99	0.2	0.25254	0.25295	10016.2	40.9	00110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp.** = 200°C, **Detector B Temp.** = 220°C. **Analyst:** Candice Warren.



* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
 * All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **122717**
Description: **Acrolein**

Solvent(s):
Water

Lot#
041017Q

<i>B. Nesa</i>		122717
Formulated By:	Bryan Nesa	DATE
<i>Pedro Rentas</i>		122717
Reviewed By:	Pedro L. Rentas	DATE

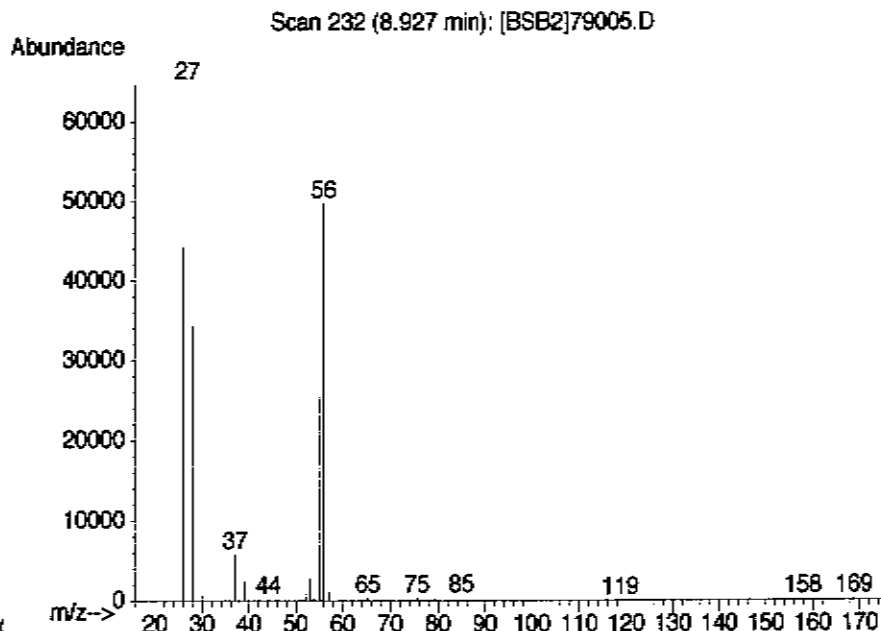
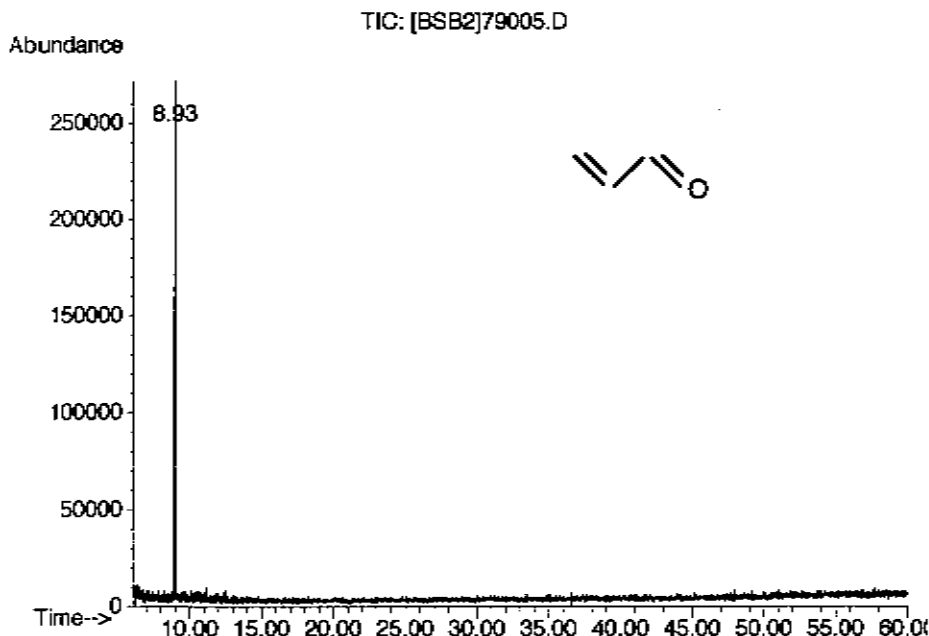
Expiration Date: 012718
Recommended Storage: Refrigerated (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 2506734D
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

SDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
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1. Acrolein	5	07813BN	5000	97	0.2	0.10902	0.10951	5023.9	21.3	107-02-8	0.1 ppm	ori-rat 46mg/kg
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Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Wool (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Certificate of Analysis

5 vials

Rec 07/14/14



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 30067 Lot No.: A0102518
 Description: 4-Bromofluorobenzene Standard
4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol,
1mL/ampul
 Container Size: 2 mL Pkg Amt: > 1 mL
 Expiration Date: April 30, 2019 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 (Lot 01127COV) Purity 99%	2,506.0 µg/mL	+/- 14.7066	µg/mL	Gravimetric	
			+/- 28.3294	µg/mL	Unstressed	
			+/- 32.5790	µg/mL	Stressed	

Solvent: P&T Methanol
 CAS # 67-56-1
 Purity 99%



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Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 Lot No.: A0118136

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : March 31, 2019 Storage: 10°C or colder

CERTIFIED VALUES

Component #	Compound	Grav. Conc (weight/volume)	Expanded Uncertainty (95% C.L.: K=2)			
1	1,4-Dichlorobenzene-d4	25,036.0 µg/mL (Lot PR-18488)	+/-	231.6879	µg/mL	Gravimetric
	CAS # 3855-82-1		+/-	1,415.2694	µg/mL	Unstressed
	Purity 99%		+/-	1,447.8538	µg/mL	Stressed
2	1,4-Difluorobenzene	25,032.0 µg/mL (Lot MKBN8571V)	+/-	231.6508	µg/mL	Gravimetric
	CAS # 540-36-3		+/-	1,415.0433	µg/mL	Unstressed
	Purity 99%		+/-	1,447.6224	µg/mL	Stressed
3	Chlorobenzene-d5	25,012.0 µg/mL (Lot PR-23926)	+/-	231.4658	µg/mL	Gravimetric
	CAS # 3114-55-4		+/-	1,413.9127	µg/mL	Unstressed
	Purity 99%		+/-	1,446.4658	µg/mL	Stressed
4	Pentafluorobenzene	25,040.0 µg/mL (Lot MKBQ6444V)	+/-	231.7249	µg/mL	Gravimetric
	CAS # 363-72-4		+/-	1,415.4955	µg/mL	Unstressed
	Purity 99%		+/-	1,448.0851	µg/mL	Stressed



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Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0118140

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2019 **Storage:** 10°C or colder

CERTIFIED VALUES

Component #	Compound	Grav. Conc (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,2-Dichloroethane-d4 CAS # 17060-07-0 Purity 99% (Lot 12K-027)	25,036.0 µg/mL	+/-	231.6879	µg/mL Gravimetric
			+/-	1,415.2694	µg/mL Unstressed
			+/-	1,447.8538	µg/mL Stressed
2	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 Purity 99% (Lot 20401KOV)	25,016.0 µg/mL	+/-	231.5028	µg/mL Gravimetric
			+/-	1,414.1388	µg/mL Unstressed
			+/-	1,446.6971	µg/mL Stressed
3	Dibromofluoromethane CAS # 1868-53-7 Purity 99% (Lot 032015)	25,036.0 µg/mL	+/-	231.6879	µg/mL Gravimetric
			+/-	1,415.2694	µg/mL Unstressed
			+/-	1,447.8538	µg/mL Stressed
4	Toluene-d8 CAS # 2037-26-5 Purity 99% (Lot PR-26282)	25,032.0 µg/mL	+/-	231.6508	µg/mL Gravimetric
			+/-	1,415.0433	µg/mL Unstressed
			+/-	1,447.6224	µg/mL Stressed



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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0131520

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Section Order	Component	Quantity (weight/volume)	Expanded Uncertainty (95% CI, n=2)	Method
1	Methyl acetate	2,005.0 µg/mL (Lot SHBD7134V)	+/- 11.7665 µg/mL	Gravimetric
	CAS # 79-20-9		+/- 120.9811 µg/mL	Unstressed
	Purity 99%		+/- 121.2683 µg/mL	Stressed
2	Vinyl acetate	2,017.0 µg/mL (Lot STBD7333V)	+/- 11.8369 µg/mL	Gravimetric
	CAS # 108-05-4		+/- 121.7052 µg/mL	Unstressed
	Purity 99%		+/- 121.9941 µg/mL	Stressed
3	Ethyl acetate	2,003.0 µg/mL (Lot SHBG6401V)	+/- 11.7547 µg/mL	Gravimetric
	CAS # 141-78-6		+/- 120.8604 µg/mL	Unstressed
	Purity 99%		+/- 121.1473 µg/mL	Stressed
4	Isopropyl acetate	2,004.0 µg/mL (Lot BCBN7598V)	+/- 11.7606 µg/mL	Gravimetric
	CAS # 108-21-4		+/- 120.9208 µg/mL	Unstressed
	Purity 99%		+/- 121.2078 µg/mL	Stressed
5	Propyl acetate	2,008.0 µg/mL (Lot FGL01)	+/- 11.7841 µg/mL	Gravimetric
	CAS # 109-60-4		+/- 121.1621 µg/mL	Unstressed
	Purity 99%		+/- 121.4497 µg/mL	Stressed
6	Butyl acetate	2,008.0 µg/mL (Lot SHBH0056V)	+/- 11.7841 µg/mL	Gravimetric
	CAS # 123-86-4		+/- 121.1621 µg/mL	Unstressed
	Purity 99%		+/- 121.4497 µg/mL	Stressed
7	Amyl acetate	2,003.0 µg/mL (Lot 41325/1)	+/- 11.7547 µg/mL	Gravimetric
	CAS # 628-63-7		+/- 120.8604 µg/mL	Unstressed
	Purity 99%		+/- 121.1473 µg/mL	Stressed

Methanol
 ULTRA RESI-ANALYZED
 For Purge and Trap Analysis



Material No.: 9077-02
 Batch No.: 0000177891
 Manufactured Date: 2017/06/23
 Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.4000
Titration Acid (µeq/g)	<= 0.3	0.3
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
 Performance Tested for Use in EPA Methods
 500 Series for Drinking Water
 600 Series for Wastewater
 846 for Solid Waste

Country of Origin: US
 Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 9001-2009, 14001-2004, FSSC 22000
 Paris, KY 9001-2008
 Mexico City, Mexico 9001-2008
 Delft, The Netherlands 9001-2008, 14001-2007, 13493-2013
 Ghazee, Poland 9001-2008, 13493-2013
 Selangor, Malaysia 9001-2008
 Dehradun, India 9001-2008, 14001-2005, 13493-2013
 Mumbai, India 9001-2008
 Pune, India 9001-2008

James T. Baker
 Director of Quality
 Avantor Performance Materials, LLC

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
 Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED WEIGHT REPORT

Part Number: 95319
Lot Number: 051215
Description: Revised Additions Mix
11 components
Expiration Date: 051218
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied

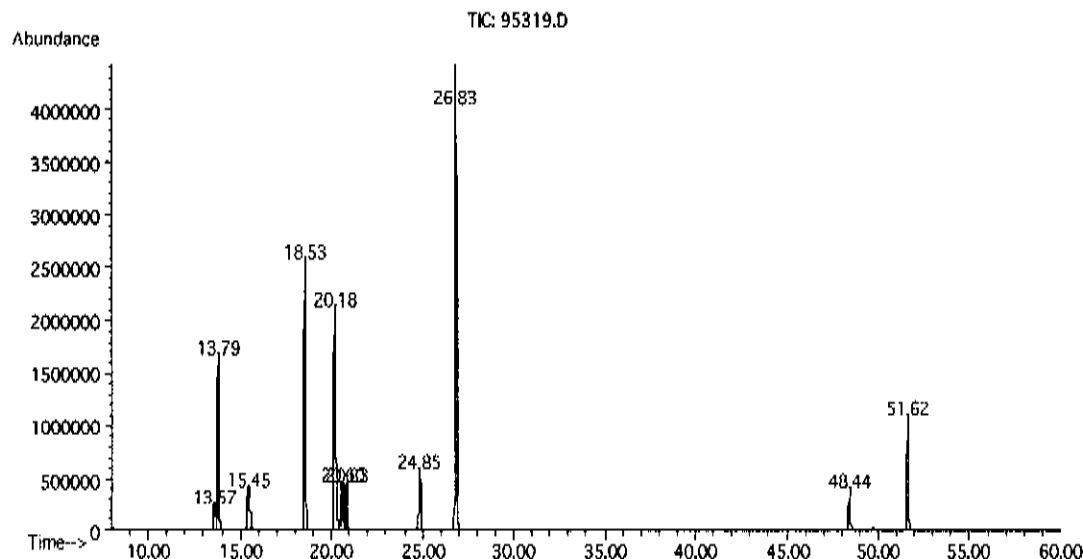
Solvent(s): Methanol
Lot# DL535

<i>Paul Barron</i>		051215
Formulated By:	Paul Barron	DATE
<i>Pedro L. Rentas</i>		051215
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	MSDS Information (Solvent Safety info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01017	1.01120	10010.2	40.5	00107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20102	0.20120	2001.8	8.1	00109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	13096TK	2000	99.5	0.2	0.20102	0.20120	2001.8	8.1	00110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20222	2001.8	8.2	00108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04067	4.04130	40006.2	161.7	00123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20221	2001.7	8.2	00067-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	50996APV	2000	99	0.2	0.20203	0.20240	2003.6	8.2	00108-87-2	N/A	ori-mus 2250mg/kg
8. Methyl tert-butyl ether (MTBE)	209	AU 01134TR	2000	99.8	0.2	0.20041	0.20070	2002.9	8.1	01634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02034	2.02088	20005.4	80.9	00107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00107	1.00135	10002.8	40.1	00109-99-9	20 ppm (590mg/m3/8H)	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21507	0.21542	2003.3	8.7	00488-23-3	N/A	ori-rat 6408mg/kg



Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

SHIPPING DOCUMENTS

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CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
 (908) 789-8900 Fax (908) 789-8922
 www.chemtech.net

CHEMTECH PROJECT NO. **I7090**
 QUOTE NO.
 COC Number **041090**

CLIENT INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION	
REPORT TO BE SENT TO:					
COMPANY: <u>Day Environmental, Inc.</u>		PROJECT NAME: <u>Andrew St. Site</u>		BILL TO: <u>Day Environmental, Inc.</u> PO#: <u>53345-17</u>	
ADDRESS: <u>1563 Lyell Avenue</u>		PROJECT NO.: <u>53345-17</u> LOCATION: <u>Rochester, NY</u>		ADDRESS: <u>1563 Lyell Avenue</u>	
CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>		PROJECT MANAGER: <u>Jeff Danzinger</u>		CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>	
ATTENTION: <u>Jeff Danzinger</u>		e-mail: <u>jdanzinger@daymail.net</u>		ATTENTION: <u>Jeff Danzinger</u> PHONE: <u>585-454-0210</u>	
PHONE: <u>585-454-0210</u> FAX: <u>585-454-0225</u>		PHONE: <u>585-454-0210</u> FAX: <u>585-454-0225</u>			

DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION	
FAX: <u>Preliminary Results</u> <u>5</u> DAYS *		<input type="checkbox"/> LEVEL 1: Results only	<input checked="" type="checkbox"/> Others <u>NYSDEC ASP</u>
HARD COPY: _____ DAYS *		<input type="checkbox"/> LEVEL 2: Results + QC	<u>Cat. B.</u>
EDD: <u>15</u> DAYS *		<input type="checkbox"/> LEVEL 3: Results (plus results raw data) + QC	
PREAPPROVED TAT: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<input type="checkbox"/> LEVEL 4: Results + QC (all raw data)	
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		<input checked="" type="checkbox"/> EDD Format: <u>NYSDEC Equis</u>	

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS		
			COMP	GRAB	DATE	TIME		A/E											
									1	2	3	4	5	6	7	8		9	
1.	912-MW-01 (23)	GW	X	X	12/27/17	955	2	X											
2.	913-MW-02 (23.B)	GW	X	X	12/27/17	1000	2	X											
3.	914-MW-03A (17)	GW	X	X	12/27/17	1005	2	X											
4.	915-MW-04 (23)	GW	X	X	12/24/17	1010	5	X											
5.	916-MW-05 (17)	GW	X	X	12/27/17	1020	2	X											
6.	917-MW-06 (17)	GW	X	X	12/27/17	1025	2	X											
7.	918-MW-07 (22.5)	GW	X	X	12/27/17	1030	6	X											
8.	919-MW-11 (15)	GW	X	X	12/27/17	1135	2	X											
9.	920-MW-15 (17)	GW	X	X	12/27/17	1040	2	X											
10.	921-MW-16 (22.5)	GW	X	X	12/27/17	1100	2	X											

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>12-27-17 / 1530</u>	RECEIVED BY: 1. <u>UPS</u>	Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant MeOH extraction requires an additional 4 oz jar for percent solid. Comments: Cooler Temp. <u>3.2°C</u> Ice in Cooler?: <u>yes</u>
RELINQUISHED BY: 2. <u>UPS</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>	
RELINQUISHED BY: 3. <u>[Signature]</u>	DATE/TIME: <u>12-28-17</u>	RECEIVED FOR LAB BY: 3. <u>[Signature]</u>	SHIPPED VIA: CLIENT: <input type="checkbox"/> HAND DELIVERED <input type="checkbox"/> OVERNIGHT CHEMTECH: <input type="checkbox"/> PICKED UP <input type="checkbox"/> OVERNIGHT.

Page 1 of 2 Shipment Complete: YES NO

CLIENT INFORMATION	CLIENT PROJECT INFORMATION	CLIENT BILLING INFORMATION
REPORT TO BE SENT TO: COMPANY: <u>Day Environmental, Inc.</u>	PROJECT NAME: <u>Andrews St. Site</u>	BILL TO: <u>Day Environmental, Inc.</u> PO#: <u>53345-17</u>
ADDRESS: <u>1563 Lyell Avenue</u>	PROJECT NO.: <u>53345-17</u> LOCATION: <u>Rochester, NY</u>	ADDRESS: <u>1563 Lyell Avenue</u>
CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>	PROJECT MANAGER: <u>Jeff Danzinger</u>	CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>
ATTENTION: <u>Jeff Danzinger</u>	e-mail: <u>jdanzinger@daymail.net</u>	ATTENTION: <u>Jeff Danzinger</u> PHONE: <u>585-454-0216</u>
PHONE: <u>585-454-0210</u> FAX: <u>585-454-0825</u>	PHONE: <u>585-454-0210</u> FAX: <u>585-454-0825</u>	

DATA TURNAROUND INFORMATION	DATA DELIVERABLE INFORMATION
FAX: <u>Preliminary Results</u> <u>5</u> DAYS * HARD COPY: _____ DAYS * EDD: <u>15</u> DAYS * PREAPPROVED TAT: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO * STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS	<input type="checkbox"/> LEVEL 1: Results only <input checked="" type="checkbox"/> Others <u>NYSDCL ASP</u> <input type="checkbox"/> LEVEL 2: Results + QC <u>CAT. B.</u> <input type="checkbox"/> LEVEL 3: Results (plus results raw data) + QC <input type="checkbox"/> LEVEL 4: Results + QC (all raw data) <input checked="" type="checkbox"/> EDD Format: <u>NYSDCL Equis</u>

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	A/E	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other	
			COMP	GRAB	DATE	TIME			1	2	3	4	5	6	7	8	9		
1.	922-MW-17(15.5)	GW	X	X	12/27/17	1105	2	X											
2.	923-MW-18(21.5)	GW	X	X	12/27/17	1107	2	X											
3.	924-MW-19(28)	GW	X	X	12/27/17	1110	2	X											
4.	925-MW-20(22)	GW	X	X	12/27/17	1115	2	X											
5.	926-FB122717	AQ	X	X	6/27/17	1118	2	X											
6.	927-TB127717	AQ	X	X	12/27/17	-	2	X											
7.																			
8.																			
9.																			
10.																			

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY			
RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>12-27-17/1530</u>	RECEIVED BY: <u>UPS</u>	Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant MeOH extraction requires an additional 4 oz jar for percent solid. Cooler Temp. <u>32°C</u> Ice in Cooler?: <u>Yes</u>
RELINQUISHED BY: 2. <u>UPS</u>	DATE/TIME:	RECEIVED BY:	
RELINQUISHED BY: 3. <u>[Signature]</u>	DATE/TIME: <u>12-28-17</u>	RECEIVED FOR LAB BY: <u>[Signature]</u>	SHIPPED VIA: CLIENT: <input type="checkbox"/> HAND DELIVERED <input type="checkbox"/> OVERNIGHT CHEMTECH: <input type="checkbox"/> PICKED UP <input type="checkbox"/> OVERNIGHT.

JEFF DANZINGER
585 4540210
DAY ENVIRONMENTAL, INC.
1563 LYELL AVE
ROCHESTER NY 14606

26 LBS

1 OF 1

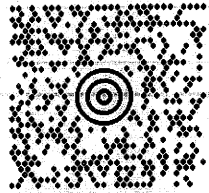
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12-25-17
10:20
3.2

SHIP TO:

CASS
9087898900
CHEMTECH
284 SHEFFIELD ST STE 1
MOUNTAINSIDE NJ 07092

I7090



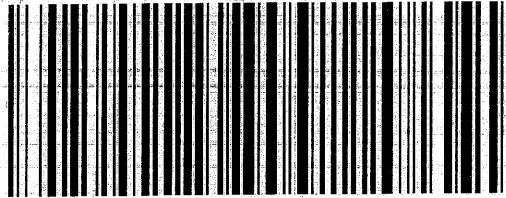
NJ 078 9-61



UPS NEXT DAY AIR

TRACKING #: 1Z 307 W85 84 0201 8871

1



BILLING: P/P
DESC: *25572482*
RETURN SERVICE

Reference No. 1: B1711085

XOL 17.11.08

NV45 93.0A 10/2017



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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : I7090	DAYE01	Order Date : 12/27/2017	Project Mgr :
Client Name : Day Environmental, Inc.		Project Name : Andrew St. RI	Report Type : NYS ASP B
Client Contact : Jeff Danzinger		Receive DateTime : 12/28/2017 10:20:00 AM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger		Login Tech : ankit	Date Signoff :


LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMET	FAX DATE	DUE DATES
17090-01	912-MW-01(23)	Water	12/27/2017	09:55	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-02	913-MW-02(23.8)	Water	12/27/2017	10:00	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-03	914-MW-03A(17)	Water	12/27/2017	10:05	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-04	915-MW-04(23)	Water	12/27/2017	10:10	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-05	916-MW-05(17)	Water	12/27/2017	10:20	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-06	917-MW-06(17)	Water	12/27/2017	10:25	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-07	918-MW-07(22.5)	Water	12/27/2017	10:30	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-08	I7090-07MS	Water	12/27/2017	10:30	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-09	I7090-07MSD	Water	12/27/2017	10:30	VOC-TCLVOA-10		8260-Low			5 Bus. Days


Order ID : I7090	DAYE01	Order Date : 12/27/2017	Project Mgr :
Client Name : Day Environmental, Inc.		Project Name : Andrew St. RI	Report Type : NYS ASP B
Client Contact : Jeff Danzinger		Receive DateTime : 12/28/2017 10:20:00 AM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger		Login Tech : ankit	Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMET	FAX DATE	DUE DATES
17090-10	919-MW-11(15)	Water	12/27/2017	10:35	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-11	920-MW-15(17)	Water	12/27/2017	10:40	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-12	921-MW-16(22.5)	Water	12/27/2017	11:00	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-13	922-MW-17(15.5)	Water	12/27/2017	11:05	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-14	923-MW-18(21.5)	Water	12/27/2017	11:07	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-15	924-MW-19(28)	Water	12/27/2017	11:10	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-16	925-MW-20(22)	Water	12/27/2017	11:15	VOC-TCLVOA-10		8260-Low			5 Bus. Days
17090-17	926-FB122717	Water	12/27/2017	11:18	VOC-TCLVOA-10		8260-Low			5 Bus. Days

Order ID : I7090	DAYE01	Order Date : 12/27/2017	Project Mgr :
Client Name : Day Environmental, Inc.		Project Name : Andrew St. RI	Report Type : NYS ASP B
Client Contact : Jeff Danzinger		Receive DateTime : 12/28/2017 10:20:00 AM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger		Login Tech : ankit	Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMET	FAX DATE	DUE DATES
I7090-18	927-TB127717	Water	12/27/2017	00:00	VOC-TCLVOA-10		8260-Low			5 Bus. Days

Relinquished By : 
 Date / Time : 12-28-17 13:40

Received By : 
 Date / Time : 12/28/17
 Storage Area : VOA Refridgerator Room

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : ANDREW ST. RI

**DAY ENVIRONMENTAL, INC.
Canalside Business Center, 1563 Lyell Avenue**

**Rochester, NY - 14606
Phone No: 585-454-0210**

**ORDER ID : J3131
ATTENTION : Jeff Danzinger**



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10.7) 933-MW-03A(28)	128
10.8) 933-MW-03A(28)DL	145
10.9) 934-MW-17(14)	156
10.10) 934-MW-17(14)DL	173
10.11) 935-MW-17(17)	183
10.12) 935-MW-17(17)DL	200
10.13) 936-MW-17(20.5)	210
10.14) 936-MW-17(20.5)DL	226
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Cover Page

Order ID : J3131

Project ID : Andrew St. RI

Client : Day Environmental, Inc.

Lab Sample Number

J3131-01
J3131-02
J3131-03
J3131-04
J3131-05
J3131-06
J3131-07
J3131-08
J3131-09
J3131-10
J3131-11
J3131-12
J3131-13

Client Sample Number

929-MW-01(18)
930-MW-01(23)
931-MW-03A(17)
932-MW-03A(22)
933-MW-03A(28)
934-MW-17(14)
935-MW-17(17)
936-MW-17(20.5)
J3131-08MS
J3131-08MSD
937-MW-17(24)
938-FB052218
939-TB052218

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :



NYDOH CERTIFICATION NO - 11376

APPROVED

Date: 6/5/2018

By Mildred V Reyes, QAQC Supervisor at 12:27 pm, Jun 08, 2018

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE**Day Environmental, Inc.****Project Name: Andrew St. RI****Project # N/A****Chemtech Project # J3131****Test Name: VOC-TCLVOA-10****A. Number of Samples and Date of Receipt:**

13 Water samples were received on 05/24/2018.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements except for 932-MW-03A(22)DL, 935-MW-17(17)DL, 936-MW-17(20.5)DL and 937-MW-17(24)DL.

As per method no corrective action required for failing dilution samples.

The Retention Times were acceptable for all samples.

The MS {J3131-09MS} with File ID: VN048755.D recoveries met the requirements for all compounds except for Tetrachloroethene [200%].

The MSD {J3131-10MSD} with File ID: VN048756.D recoveries met the acceptable requirements except for Tetrachloroethene[400%].

The RPD for {J3131-10MSD} with File ID: VN048756.D recoveries met criteria except for Tetrachloroethene[67%].

The original sample for MS/MSD has high positive hit for Tetrachloroethene due to bad matrix..

The Blank Spike met requirements for all samples.

The Blank analysis indicated presence of Tetrachloroethene[2.3 ug/L]

FileID:VN048759.D{VN0530WBL02} due to possible lab contamination .

The %RSD is greater than 15% in the Initial Calibration (Method 82N052918W.M) for Dichlorodifluoromethane ,Chloromethane, Acetone, Methyl Acetate, Cyclohexane,

Bromochloromethane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene these compounds are passing on Linear regression.

The Continuous Calibration File ID VN048784.D met the requirements except for Acetone, 2-Butanone and Bromochloromethane. The associate sample # 938-FB052218 has no positive hit for these compounds except Acetone, Lab received two vials which lab used it, therefore not enough weight volume left for reanalysis, this run was reported as final run

The Tuning criteria met requirements.

E. Additional Comments:

Samples 929-MW-01(18), 931-MW-03A (17) and 937-MW-17(24) were diluted due to bad matrices as per the history of the samples;

Samples 930-MW-01(23), 932-MW-03A (22), 933-MW-03A (28), 934-MW-17(14), 935-MW-17(17), 936-MW-17(20.5) and 937-MW-17(24) were diluted due to high concentrations.

The data package is revised due to reported wrong tics for sample # 934-MW-17(14).

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_ 

APPROVED

By Mildred V Reyes, QAQC Supervisor at 12:27 pm, Jun 08, 2018

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: J3131

MATRIX: Water

METHOD: 8260-Low

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4. GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements. The %RSD is greater than 15% in the Initial Calibration (Method 82N052918W.M) for Dichlorodifluoromethane ,Chloromethane, Acetone, Methyl Acetate, Cyclohexane, Bromochloromethane, 1,2,4-Trichlorobenzene , 1,2,3-Trichlorobenzene these compounds are passing on Linear regression. The Continuous Calibration File ID VN048784.D met the requirements except for Acetone,2-Butanone and Bromochloromethane .The associate sample # 938-FB052218 has no positive hit for these compounds except Acetone , Lab received two vials which lab used it ,therefore not enough weight volume left for reanalysis, ,this run was reported as final run		✓	
6. Blank Contamination - If yes, list compounds and concentrations in each blank: The Blank analysis indicated presence of Tetrachloroethene[2.3 ug/L] FileID:VN048759.D{VN0530WBL02} due to possible lab contamination.			✓
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

	NA	NO	YES
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {J3131-09MS} with File ID: VN048755.D recoveries met the requirements for all compounds except for Tetrachloroethene [200%]. The MSD {J3131-10MSD} with File ID: VN048756.D recoveries met the acceptable requirements except for Tetrachloroethene[400%]. The RPD for {J3131-10MSD} with File ID: VN048756.D recoveries met criteria except for Tetrachloroethene[67%]. The original sample for MS/MSD has high positive hit for Tetrachloroethene due to bad matrix. The Blank Spike met requirements for all samples.		✓	
9. Internal Standard Area/Retention Time Shift Meet Criteria Comments: The Internal Standards Areas met the acceptable requirements except for 932-MW-03A(22)DL, 935-MW-17(17)DL, 936-MW-17(20.5)DL and 937-MW-17(24)DL. As per method no corrective action required for failing dilution samples.		✓	
10. Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

Samples 929-MW-01(18), 931-MW-03A (17) and 937-MW-17(24) were diluted due to bad matrices as per the history of the samples;

Samples 930-MW-01(23), 932-MW-03A (22), 933-MW-03A (28), 934-MW-17(14), 935-MW-17(17), 936-MW-17(20.5) and 937-MW-17(24) were diluted due to high concentrations.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW

REVIEWED
Date
By *kalpana* at 9:49 am, Jun 08, 2018

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: J3131

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page) ✓

Check chain-of-custody for proper relinquish/return of samples ✓

Is the chain of custody signed and complete ✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts ✓

Collect information for each project id from server. Were all requirements followed ✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page ✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody ✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results ✓

Do requested analyses on Chain of Custody agree with the log-in page ✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody ✓

Were the samples received within hold time ✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle ✓

ANALYTICAL:

Was method requirement followed? ✓

Was client requirement followed? ✓

Does the case narrative summarize all QC failure? ✓

All runlogs and manual integration are reviewed for requirements ✓

All manual calculations and /or hand notations verified ✓

1st Level QA Review Signature: MOHINI SONI

Date: 06/05/2018

2nd Level QA Review Signature:

REVIEWED
By kalpana at 9:49 am, Jun 08, 2018

Date: _____





284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID: J3131	OrderDate: 5/24/2018 1:50:00 PM
Client: Day Environmental, Inc.	Project: Andrew St. RI
Contact: Jeff Danzinger	Location:

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
J3131-01	929-MW-01(18)	Water	VOC-TCLVOA-10	8260-Low	05/22/18		05/30/18	05/24/18
J3131-02	930-MW-01(23)	Water	VOC-TCLVOA-10	8260-Low	05/22/18		05/30/18	05/24/18
J3131-02DL	930-MW-01(23)DL	Water	VOC-TCLVOA-10	8260-Low	05/22/18		05/31/18	05/24/18
J3131-03	931-MW-03A(17)	Water	VOC-TCLVOA-10	8260-Low	05/22/18		05/30/18	05/24/18
J3131-04	932-MW-03A(22)	Water	VOC-TCLVOA-10	8260-Low	05/22/18		05/30/18	05/24/18
J3131-04DL	932-MW-03A(22)DL	Water	VOC-TCLVOA-10	8260-Low	05/22/18		05/31/18	05/24/18
J3131-05	933-MW-03A(28)	Water	VOC-TCLVOA-10	8260-Low	05/22/18		05/31/18	05/24/18
J3131-05DL	933-MW-03A(28)DL	Water	VOC-TCLVOA-10	8260-Low	05/22/18		05/31/18	05/24/18
J3131-06	934-MW-17(14)	Water	VOC-TCLVOA-10	8260-Low	05/22/18		05/31/18	05/24/18
J3131-06DL	934-MW-17(14)DL	Water	VOC-TCLVOA-10	8260-Low	05/22/18		05/31/18	05/24/18
J3131-07	935-MW-17(17)	Water	VOC-TCLVOA-10	8260-Low	05/22/18		05/31/18	05/24/18
J3131-07DL	935-MW-17(17)DL	Water	VOC-TCLVOA-10	8260-Low	05/22/18		05/31/18	05/24/18



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

J3131-08	936-MW-17(20.5)	Water	VOC-TCLVOA-10	8260-Low	05/22/18	05/30/18	05/24/18
J3131-08DL	936-MW-17(20.5)DL	Water	VOC-TCLVOA-10	8260-Low	05/22/18	05/31/18	05/24/18
J3131-11	937-MW-17(24)	Water	VOC-TCLVOA-10	8260-Low	05/22/18	05/30/18	05/24/18
J3131-11DL	937-MW-17(24)DL	Water	VOC-TCLVOA-10	8260-Low	05/22/18	05/31/18	05/24/18
J3131-12	938-FB052218	Water	VOC-TCLVOA-10	8260-Low	05/22/18	05/31/18	05/24/18
J3131-13	939-TB052218	Water	VOC-TCLVOA-10	8260-Low	05/22/18	05/30/18	05/24/18

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Hit Summary Sheet SW-846

 SDG No.: J3131

 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: 929-MW-01(18)									
J3131-01	929-MW-01(18)	Water	cis-1,2-Dichloroethene	160.00		2	2	10	ug/L
J3131-01	929-MW-01(18)	Water	Trichloroethene	140.00		2	2	10	ug/L
J3131-01	929-MW-01(18)	Water	Tetrachloroethene	910.00		2	2	10	ug/L
			Total Voc :	1210					
J3131-01	929-MW-01(18)	Water	Naphthalene	* 51.10	J	2		10	ug/L
			Total Tics :	51.1					
			Total Concentration:	1261.1					
Client ID: 930-MW-01(23)									
J3131-02	930-MW-01(23)	Water	Vinyl Chloride	0.37	J	0.2	0.2	1	ug/L
J3131-02	930-MW-01(23)	Water	Acetone	4.00	J	0.5	1	5	ug/L
J3131-02	930-MW-01(23)	Water	trans-1,2-Dichloroethene	2.30		0.2	0.2	1	ug/L
J3131-02	930-MW-01(23)	Water	cis-1,2-Dichloroethene	170.00	E	0.2	0.2	1	ug/L
J3131-02	930-MW-01(23)	Water	Trichloroethene	150.00		0.2	0.2	1	ug/L
J3131-02	930-MW-01(23)	Water	Tetrachloroethene	960.00	E	0.2	0.2	1	ug/L
			Total Voc :	1286.67					
			Total Concentration:	1286.67					
Client ID: 930-MW-01(23)DL									
J3131-02DL	930-MW-01(23)DL	Water	cis-1,2-Dichloroethene	180.00	D	4	4	20	ug/L
J3131-02DL	930-MW-01(23)DL	Water	Trichloroethene	140.00	D	4	4	20	ug/L
J3131-02DL	930-MW-01(23)DL	Water	Tetrachloroethene	890.00	D	4	4	20	ug/L
			Total Voc :	1210					
			Total Concentration:	1210					
Client ID: 931-MW-03A(17)									
J3131-03	931-MW-03A(17)	Water	cis-1,2-Dichloroethene	110.00		2	2	10	ug/L
J3131-03	931-MW-03A(17)	Water	Trichloroethene	81.00		2	2	10	ug/L
J3131-03	931-MW-03A(17)	Water	Tetrachloroethene	620.00		2	2	10	ug/L
			Total Voc :	811					
			Total Concentration:	811					
Client ID: 932-MW-03A(22)									
J3131-04	932-MW-03A(22)	Water	Vinyl Chloride	2.90		0.2	0.2	1	ug/L
J3131-04	932-MW-03A(22)	Water	Acetone	1.70	J	0.5	1	5	ug/L
J3131-04	932-MW-03A(22)	Water	trans-1,2-Dichloroethene	2.30		0.2	0.2	1	ug/L
J3131-04	932-MW-03A(22)	Water	cis-1,2-Dichloroethene	100.00		0.2	0.2	1	ug/L
J3131-04	932-MW-03A(22)	Water	Trichloroethene	73.00		0.2	0.2	1	ug/L
J3131-04	932-MW-03A(22)	Water	Tetrachloroethene	480.00	E	0.2	0.2	1	ug/L
			Total Voc :	659.9					
			Total Concentration:	659.9					
Client ID: 932-MW-03A(22)DL									
J3131-04DL	932-MW-03A(22)DL	Water	cis-1,2-Dichloroethene	99.50	D	2	2	10	ug/L

Hit Summary Sheet SW-846

SDG No.: J3131
 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
J3131-04DL	932-MW-03A(22)DL	Water	Trichloroethene	71.70	D	2	2	10	ug/L
J3131-04DL	932-MW-03A(22)DL	Water	Tetrachloroethene	450.00	D	2	2	10	ug/L
			Total Voc :	621.2					
			Total Concentration:	621.2					
Client ID:	933-MW-03A(28)								
J3131-05	933-MW-03A(28)	Water	Vinyl Chloride	2.80		0.2	0.2	1	ug/L
J3131-05	933-MW-03A(28)	Water	Acetone	5.70		0.5	1	5	ug/L
J3131-05	933-MW-03A(28)	Water	Methyl Acetate	4.30		0.2	0.5	1	ug/L
J3131-05	933-MW-03A(28)	Water	trans-1,2-Dichloroethene	2.20		0.2	0.2	1	ug/L
J3131-05	933-MW-03A(28)	Water	cis-1,2-Dichloroethene	100.00		0.2	0.2	1	ug/L
J3131-05	933-MW-03A(28)	Water	Trichloroethene	68.70		0.2	0.2	1	ug/L
J3131-05	933-MW-03A(28)	Water	Tetrachloroethene	400.00	EB	0.2	0.2	1	ug/L
			Total Voc :	583.7					
J3131-05	933-MW-03A(28)	Water	Acetic acid	* 7.70	J	0		0	ug/L
			Total Tics :	7.7					
			Total Concentration:	591.4					
Client ID:	933-MW-03A(28)DL								
J3131-05DL	933-MW-03A(28)DL	Water	cis-1,2-Dichloroethene	96.10	D	1	1	5	ug/L
J3131-05DL	933-MW-03A(28)DL	Water	Trichloroethene	67.10	D	1	1	5	ug/L
J3131-05DL	933-MW-03A(28)DL	Water	Tetrachloroethene	360.00	D	1	1	5	ug/L
			Total Voc :	523.2					
			Total Concentration:	523.2					
Client ID:	934-MW-17(14)								
J3131-06	934-MW-17(14)	Water	Acetone	5.80		0.5	1	5	ug/L
J3131-06	934-MW-17(14)	Water	Methyl Acetate	3.20		0.2	0.5	1	ug/L
J3131-06	934-MW-17(14)	Water	Methylene Chloride	0.96	J	0.2	0.2	1	ug/L
J3131-06	934-MW-17(14)	Water	trans-1,2-Dichloroethene	1.20		0.2	0.2	1	ug/L
J3131-06	934-MW-17(14)	Water	cis-1,2-Dichloroethene	33.30		0.2	0.2	1	ug/L
J3131-06	934-MW-17(14)	Water	Trichloroethene	42.70		0.2	0.2	1	ug/L
J3131-06	934-MW-17(14)	Water	Tetrachloroethene	4,800.00	EB	0.2	0.2	1	ug/L
			Total Voc :	4887.16					
			Total Concentration:	4887.16					
Client ID:	934-MW-17(14)DL								
J3131-06DL	934-MW-17(14)DL	Water	Trichloroethene	36.00	JD	20	20	100	ug/L
J3131-06DL	934-MW-17(14)DL	Water	Tetrachloroethene	3,200.00	D	20	20	100	ug/L
			Total Voc :	3236					
			Total Concentration:	3236					
Client ID:	935-MW-17(17)								
J3131-07	935-MW-17(17)	Water	Acetone	7.30		0.5	1	5	ug/L
J3131-07	935-MW-17(17)	Water	Methyl Acetate	2.50		0.2	0.5	1	ug/L

Hit Summary Sheet SW-846

SDG No.: J3131

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
J3131-07	935-MW-17(17)	Water	Methylene Chloride	0.88	J	0.2	0.2	1	ug/L
J3131-07	935-MW-17(17)	Water	trans-1,2-Dichloroethene	1.30		0.2	0.2	1	ug/L
J3131-07	935-MW-17(17)	Water	cis-1,2-Dichloroethene	35.70		0.2	0.2	1	ug/L
J3131-07	935-MW-17(17)	Water	Trichloroethene	45.30		0.2	0.2	1	ug/L
J3131-07	935-MW-17(17)	Water	Tetrachloroethene	4,500.00	EB	0.2	0.2	1	ug/L
Total Voc :				4592.98					
Total Concentration:				4592.98					
Client ID:	935-MW-17(17)DL								
J3131-07DL	935-MW-17(17)DL	Water	Trichloroethene	44.00	JD	20	20	100	ug/L
J3131-07DL	935-MW-17(17)DL	Water	Tetrachloroethene	4,000.00	D	20	20	100	ug/L
Total Voc :				4044					
Total Concentration:				4044					
Client ID:	936-MW-17(20.5)								
J3131-08	936-MW-17(20.5)	Water	Vinyl Chloride	0.33	J	0.2	0.2	1	ug/L
J3131-08	936-MW-17(20.5)	Water	Acetone	7.50		0.5	1	5	ug/L
J3131-08	936-MW-17(20.5)	Water	Methylene Chloride	1.40		0.2	0.2	1	ug/L
J3131-08	936-MW-17(20.5)	Water	cis-1,2-Dichloroethene	32.90		0.2	0.2	1	ug/L
J3131-08	936-MW-17(20.5)	Water	Trichloroethene	46.20		0.2	0.2	1	ug/L
J3131-08	936-MW-17(20.5)	Water	Tetrachloroethene	4,400.00	E	0.2	0.2	1	ug/L
Total Voc :				4488.33					
Total Concentration:				4488.33					
Client ID:	936-MW-17(20.5)DL								
J3131-08DL	936-MW-17(20.5)DL	Water	Tetrachloroethene	4,500.00	D	20	20	100	ug/L
Total Voc :				4500					
Total Concentration:				4500					
Client ID:	937-MW-17(24)								
J3131-11	937-MW-17(24)	Water	cis-1,2-Dichloroethene	36.10		2	2	10	ug/L
J3131-11	937-MW-17(24)	Water	Trichloroethene	49.80		2	2	10	ug/L
J3131-11	937-MW-17(24)	Water	Tetrachloroethene	4,700.00	E	2	2	10	ug/L
Total Voc :				4785.9					
Total Concentration:				4785.9					
Client ID:	937-MW-17(24)DL								
J3131-11DL	937-MW-17(24)DL	Water	Trichloroethene	48.10	JD	20	20	100	ug/L
J3131-11DL	937-MW-17(24)DL	Water	Tetrachloroethene	4,400.00	D	20	20	100	ug/L
Total Voc :				4448.1					
Total Concentration:				4448.1					
Client ID:	938-FB052218								
J3131-12	938-FB052218	Water	Acetone	6.20		0.5	1	5	ug/L
J3131-12	938-FB052218	Water	Methylene Chloride	5.30		0.2	0.2	1	ug/L
Total Voc :				11.5					

Hit Summary Sheet
SW-846SDG No.: J3131Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:				11.5					

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QC
SUMMARY

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Surrogate Summary

 SDG No.: J3131

 Client: Day Environmental, Inc.

 Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
J3131-01	929-MW-01(18)	1,2-Dichloroethane-d4	50	38.45	77	61	141
		Dibromofluoromethane	50	41.11	82	69	133
		Toluene-d8	50	42.16	84	65	126
		4-Bromofluorobenzene	50	33.54	67	58	135
J3131-02	930-MW-01(23)	1,2-Dichloroethane-d4	50	41.09	82	61	141
		Dibromofluoromethane	50	43.67	87	69	133
		Toluene-d8	50	42.84	86	65	126
		4-Bromofluorobenzene	50	33.07	66	58	135
J3131-02DL	930-MW-01(23)DL	1,2-Dichloroethane-d4	50	54.37	109	61	141
		Dibromofluoromethane	50	53.98	108	69	133
		Toluene-d8	50	53.01	106	65	126
		4-Bromofluorobenzene	50	40.17	80	58	135
J3131-03	931-MW-03A(17)	1,2-Dichloroethane-d4	50	39.84	80	61	141
		Dibromofluoromethane	50	42.19	84	69	133
		Toluene-d8	50	42.94	86	65	126
		4-Bromofluorobenzene	50	33.96	68	58	135
J3131-04	932-MW-03A(22)	1,2-Dichloroethane-d4	50	42.52	85	61	141
		Dibromofluoromethane	50	43.1	86	69	133
		Toluene-d8	50	42.93	86	65	126
		4-Bromofluorobenzene	50	33.15	66	58	135
J3131-04DL	932-MW-03A(22)DL	1,2-Dichloroethane-d4	50	54.45	109	61	141
		Dibromofluoromethane	50	53.85	108	69	133
		Toluene-d8	50	53.01	106	65	126
		4-Bromofluorobenzene	50	39.1	78	58	135
J3131-05	933-MW-03A(28)	1,2-Dichloroethane-d4	50	43.4	87	61	141
		Dibromofluoromethane	50	42.21	84	69	133
		Toluene-d8	50	42.06	84	65	126
		4-Bromofluorobenzene	50	32.13	64	58	135
J3131-05DL	933-MW-03A(28)DL	1,2-Dichloroethane-d4	50	53.99	108	61	141
		Dibromofluoromethane	50	53.26	107	69	133
		Toluene-d8	50	52.75	105	65	126
		4-Bromofluorobenzene	50	40.36	81	58	135
J3131-06	934-MW-17(14)	1,2-Dichloroethane-d4	50	42.66	85	61	141
		Dibromofluoromethane	50	42.1	84	69	133
		Toluene-d8	50	42.51	85	65	126
		4-Bromofluorobenzene	50	34.54	69	58	135
J3131-06DL	934-MW-17(14)DL	1,2-Dichloroethane-d4	50	55.8	112	61	141
		Dibromofluoromethane	50	53.59	107	69	133
		Toluene-d8	50	52.88	106	65	126
		4-Bromofluorobenzene	50	39.9	80	58	135
J3131-07	935-MW-17(17)	1,2-Dichloroethane-d4	50	43.34	87	61	141
		Dibromofluoromethane	50	42.09	84	69	133
		Toluene-d8	50	41.88	84	65	126
		4-Bromofluorobenzene	50	32.6	65	58	135
J3131-07DL	935-MW-17(17)DL	1,2-Dichloroethane-d4	50	57.63	115	61	141
		Dibromofluoromethane	50	55.03	110	69	133
		Toluene-d8	50	53.69	107	65	126
		4-Bromofluorobenzene	50	39.64	79	58	135
J3131-08	936-MW-17(20.5)	1,2-Dichloroethane-d4	50	41.01	82	61	141
		Dibromofluoromethane	50	41.89	84	69	133
		Toluene-d8	50	42.04	84	65	126
		4-Bromofluorobenzene	50	34.77	70	58	135

Surrogate Summary

 SDG No.: J3131

 Client: Day Environmental, Inc.

 Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
J3131-08DL	936-MW-17(20.5)DL	1,2-Dichloroethane-d4	50	54.77	110	61	141
		Dibromofluoromethane	50	53.23	106	69	133
		Toluene-d8	50	51.82	104	65	126
		4-Bromofluorobenzene	50	39.25	79	58	135
J3131-09MS	936-MW-17(20.5)MS	1,2-Dichloroethane-d4	50	47.29	95	61	141
		Dibromofluoromethane	50	50.73	101	69	133
		Toluene-d8	50	50.07	100	65	126
		4-Bromofluorobenzene	50	51.79	104	58	135
J3131-10MSD	936-MW-17(20.5)MSD	1,2-Dichloroethane-d4	50	47.32	95	61	141
		Dibromofluoromethane	50	50.02	100	69	133
		Toluene-d8	50	50.04	100	65	126
		4-Bromofluorobenzene	50	50.87	102	58	135
J3131-11	937-MW-17(24)	1,2-Dichloroethane-d4	50	39.98	80	61	141
		Dibromofluoromethane	50	42.49	85	69	133
		Toluene-d8	50	42.51	85	65	126
		4-Bromofluorobenzene	50	34.41	69	58	135
J3131-11DL	937-MW-17(24)DL	1,2-Dichloroethane-d4	50	56.55	113	61	141
		Dibromofluoromethane	50	54.59	109	69	133
		Toluene-d8	50	52.31	105	65	126
		4-Bromofluorobenzene	50	37.34	75	58	135
J3131-12	938-FB052218	1,2-Dichloroethane-d4	50	54.52	109	61	141
		Dibromofluoromethane	50	52.53	105	69	133
		Toluene-d8	50	51.02	102	65	126
		4-Bromofluorobenzene	50	38.37	77	58	135
J3131-13	939-TB052218	1,2-Dichloroethane-d4	50	41.91	84	61	141
		Dibromofluoromethane	50	42.25	85	69	133
		Toluene-d8	50	42.23	84	65	126
		4-Bromofluorobenzene	50	32.13	64	58	135
VN0530WBL01	VN0530WBL01	1,2-Dichloroethane-d4	50	49.64	99	61	141
		Dibromofluoromethane	50	51.92	104	69	133
		Toluene-d8	50	51.23	102	65	126
		4-Bromofluorobenzene	50	40.32	81	58	135
VN0530WBL02	VN0530WBL02	1,2-Dichloroethane-d4	50	53.94	108	61	141
		Dibromofluoromethane	50	54.09	108	69	133
		Toluene-d8	50	52.25	104	65	126
		4-Bromofluorobenzene	50	40.08	80	58	135
VN0530WBS01	VN0530WBS01	1,2-Dichloroethane-d4	50	45.17	90	61	141
		Dibromofluoromethane	50	48.96	98	69	133
		Toluene-d8	50	47.76	96	65	126
		4-Bromofluorobenzene	50	47.11	94	58	135
VN0530WBS02	VN0530WBS02	1,2-Dichloroethane-d4	50	49.89	100	61	141
		Dibromofluoromethane	50	50.65	101	69	133
		Toluene-d8	50	49.31	99	65	126
		4-Bromofluorobenzene	50	46.72	93	58	135
VN0531WBL01	VN0531WBL01	1,2-Dichloroethane-d4	50	53.92	108	61	141
		Dibromofluoromethane	50	53.84	108	69	133
		Toluene-d8	50	53.25	107	65	126
		4-Bromofluorobenzene	50	41.94	84	58	135
VN0531WBS01	VN0531WBS01	1,2-Dichloroethane-d4	50	49.62	99	61	141
		Dibromofluoromethane	50	52.75	106	69	133
		Toluene-d8	50	51.07	102	65	126
		4-Bromofluorobenzene	50	50.55	101	58	135



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: J3131

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	J3131-09MS	Client Sample ID :	936-MW-17(20.5)MS					Datafile :	VN048755.D			
Dichlorodifluoromethane	50	0	47.8	ug/L	96				47	161		
Chloromethane	50	0	49.1	ug/L	98				53	157		
Vinyl chloride	50	0.33	50.1	ug/L	100				57	149		
Bromomethane	50	0	54.4	ug/L	109				45	165		
Chloroethane	50	0	51.5	ug/L	103				47	166		
Trichlorofluoromethane	50	0	48.6	ug/L	97				51	165		
1,1,2-Trichlorotrifluoroethane	50	0	48.4	ug/L	97				61	145		
1,1-Dichloroethene	50	0	49.1	ug/L	98				55	148		
Acetone	250	7.5	230	ug/L	89				11	159		
Carbon disulfide	50	0	46.1	ug/L	92				13	149		
Methyl tert-butyl Ether	50	0	50.3	ug/L	101				60	145		
Methyl Acetate	50	0	48.2	ug/L	96				27	167		
Methylene Chloride	50	1.4	49.2	ug/L	96				56	146		
trans-1,2-Dichloroethene	50	0	50.2	ug/L	100				60	141		
1,1-Dichloroethane	50	0	49.6	ug/L	99				61	144		
Cyclohexane	50	0	49.3	ug/L	99				57	142		
2-Butanone	250	0	240	ug/L	96				42	145		
Carbon Tetrachloride	50	0	48.3	ug/L	97				60	140		
cis-1,2-Dichloroethene	50	32.9	88	ug/L	110				48	156		
Bromochloromethane	50	0	52.5	ug/L	105				59	146		
Chloroform	50	0	49.9	ug/L	100				63	140		
1,1,1-Trichloroethane	50	0	49.4	ug/L	99				65	140		
Methylcyclohexane	50	0	49.3	ug/L	99				62	128		
Benzene	50	0	50.9	ug/L	102				62	134		
1,2-Dichloroethane	50	0	49.8	ug/L	100				67	136		
Trichloroethene	50	46.2	100	ug/L	108				64	131		
1,2-Dichloropropane	50	0	50.9	ug/L	102				69	130		
Bromodichloromethane	50	0	49.6	ug/L	99				66	132		
4-Methyl-2-Pentanone	250	0	250	ug/L	100				57	148		
Toluene	50	0	52.1	ug/L	104				68	129		
t-1,3-Dichloropropene	50	0	50.3	ug/L	101				54	136		
cis-1,3-Dichloropropene	50	0	49.5	ug/L	99				56	133		
1,1,2-Trichloroethane	50	0	51.8	ug/L	104				68	134		
2-Hexanone	250	0	250	ug/L	100				46	158		
Dibromochloromethane	50	0	51.9	ug/L	104				59	136		
1,2-Dibromoethane	50	0	51	ug/L	102				65	138		
Tetrachloroethene	50	4400	4500	ug/L	200		*		29	137		
Chlorobenzene	50	0	50.1	ug/L	100				68	126		
Ethyl Benzene	50	0	51.1	ug/L	102				61	131		
m/p-Xylenes	100	0	100	ug/L	100				64	125		
o-Xylene	50	0	52.1	ug/L	104				65	126		
Styrene	50	0	53.2	ug/L	106				40	140		
Bromoform	50	0	51.3	ug/L	103				42	134		
Isopropylbenzene	50	0	49.6	ug/L	99				58	132		
1,1,2,2-Tetrachloroethane	50	0	47.1	ug/L	94				61	136		
1,3-Dichlorobenzene	50	0	49.7	ug/L	99				63	125		
1,4-Dichlorobenzene	50	0	49.4	ug/L	99				64	124		



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: J3131

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
1,2-Dichlorobenzene	50	0	48.5	ug/L	97				64	126		
1,2-Dibromo-3-Chloropropane	50	0	44.9	ug/L	90				57	139		
1,2,4-Trichlorobenzene	50	0	41.5	ug/L	83				57	130		
1,2,3-Trichlorobenzene	50	0	43.1	ug/L	86				57	131		

**Matrix Spike/Matrix Spike Duplicate Summary
SW-846**

SDG No.: J3131

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	J3131-10MSD	Client Sample ID :	936-MW-17(20.5)MSD					Datafile :	VN048756.D			
Dichlorodifluoromethane	50	0	48.1	ug/L	96		1		47	161	20	
Chloromethane	50	0	49.1	ug/L	98		0		53	157	20	
Vinyl chloride	50	0.33	50	ug/L	99		1		57	149	20	
Bromomethane	50	0	54.6	ug/L	109		0		45	165	20	
Chloroethane	50	0	50.7	ug/L	101		2		47	166	20	
Trichlorofluoromethane	50	0	48.6	ug/L	97		0		51	165	20	
1,1,2-Trichlorotrifluoroethane	50	0	48	ug/L	96		1		61	145	20	
1,1-Dichloroethene	50	0	48.7	ug/L	97		1		55	148	20	
Acetone	250	7.5	240	ug/L	93		4		11	159	20	
Carbon disulfide	50	0	46.5	ug/L	93		1		13	149	20	
Methyl tert-butyl Ether	50	0	50.1	ug/L	100		0		60	145	20	
Methyl Acetate	50	0	49.7	ug/L	99		3		27	167	20	
Methylene Chloride	50	1.4	48.8	ug/L	95		1		56	146	20	
trans-1,2-Dichloroethene	50	0	50.7	ug/L	101		1		60	141	20	
1,1-Dichloroethane	50	0	49.6	ug/L	99		0		61	144	20	
Cyclohexane	50	0	49	ug/L	98		1		57	142	20	
2-Butanone	250	0	240	ug/L	96		0		42	145	20	
Carbon Tetrachloride	50	0	47.9	ug/L	96		1		60	140	20	
cis-1,2-Dichloroethene	50	32.9	88.2	ug/L	111		1		48	156	20	
Bromochloromethane	50	0	52.2	ug/L	104		1		59	146	20	
Chloroform	50	0	49.7	ug/L	99		0		63	140	20	
1,1,1-Trichloroethane	50	0	49.2	ug/L	98		0		65	140	20	
Methylcyclohexane	50	0	49	ug/L	98		1		62	128	20	
Benzene	50	0	50.6	ug/L	101		1		62	134	20	
1,2-Dichloroethane	50	0	49.5	ug/L	99		1		67	136	20	
Trichloroethene	50	46.2	100	ug/L	108		0		64	131	20	
1,2-Dichloropropane	50	0	51	ug/L	102		0		69	130	20	
Bromodichloromethane	50	0	49	ug/L	98		1		66	132	20	
4-Methyl-2-Pentanone	250	0	250	ug/L	100		0		57	148	20	
Toluene	50	0	51.6	ug/L	103		1		68	129	20	
t-1,3-Dichloropropene	50	0	50	ug/L	100		1		54	136	20	
cis-1,3-Dichloropropene	50	0	49.1	ug/L	98		1		56	133	20	
1,1,2-Trichloroethane	50	0	51	ug/L	102		2		68	134	20	
2-Hexanone	250	0	250	ug/L	100		0		46	158	20	
Dibromochloromethane	50	0	51.3	ug/L	103		1		59	136	20	
1,2-Dibromoethane	50	0	50.6	ug/L	101		1		65	138	20	
Tetrachloroethene	50	4400	4600	ug/L	400	*	67	*	29	137	20	
Chlorobenzene	50	0	50.5	ug/L	101		1		68	126	20	
Ethyl Benzene	50	0	51.1	ug/L	102		0		61	131	20	
m/p-Xylenes	100	0	100	ug/L	100		0		64	125	20	
o-Xylene	50	0	51.5	ug/L	103		1		65	126	20	
Styrene	50	0	52.8	ug/L	106		1		40	140	20	
Bromoform	50	0	50.7	ug/L	101		1		42	134	20	
Isopropylbenzene	50	0	49.5	ug/L	99		0		58	132	20	
1,1,2,2-Tetrachloroethane	50	0	46.2	ug/L	92		2		61	136	20	
1,3-Dichlorobenzene	50	0	50.5	ug/L	101		2		63	125	20	
1,4-Dichlorobenzene	50	0	50	ug/L	100		1		64	124	20	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: J3131

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
1,2-Dichlorobenzene	50	0	50	ug/L	100		3		64	126	20	
1,2-Dibromo-3-Chloropropane	50	0	46.6	ug/L	93		4		57	139	20	
1,2,4-Trichlorobenzene	50	0	44.6	ug/L	89		7		57	130	20	
1,2,3-Trichlorobenzene	50	0	46.1	ug/L	92		7		57	131	20	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J3131

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN048740.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0530WBS01	Dichlorodifluoromethane	20	17.5	ug/L	88			46	139	
	Chloromethane	20	17.4	ug/L	87			58	139	
	Vinyl chloride	20	18.4	ug/L	92			65	137	
	Bromomethane	20	21.3	ug/L	106			50	162	
	Chloroethane	20	19.8	ug/L	99			54	160	
	Trichlorofluoromethane	20	18.5	ug/L	93			67	143	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99			71	136	
	1,1-Dichloroethene	20	18.7	ug/L	94			69	134	
	Acetone	100	91.3	ug/L	91			41	181	
	Carbon disulfide	20	17.5	ug/L	88			63	138	
	Methyl tert-butyl Ether	20	20.1	ug/L	101			72	136	
	Methyl Acetate	20	20.8	ug/L	104			51	158	
	Methylene Chloride	20	18.8	ug/L	94			67	138	
	trans-1,2-Dichloroethene	20	19.2	ug/L	96			72	132	
	1,1-Dichloroethane	20	18.9	ug/L	95			74	135	
	Cyclohexane	20	19	ug/L	95			67	132	
	2-Butanone	100	94.4	ug/L	94			64	146	
	Carbon Tetrachloride	20	18.7	ug/L	94			71	134	
	cis-1,2-Dichloroethene	20	19.8	ug/L	99			74	130	
	Bromochloromethane	20	19.7	ug/L	99			71	136	
	Chloroform	20	19.1	ug/L	96			74	134	
	1,1,1-Trichloroethane	20	19.1	ug/L	96			74	133	
	Methylcyclohexane	20	19.7	ug/L	99			71	125	
	Benzene	20	19.6	ug/L	98			75	125	
	1,2-Dichloroethane	20	19.3	ug/L	97			76	130	
	Trichloroethene	20	19.8	ug/L	99			73	127	
	1,2-Dichloropropane	20	20.2	ug/L	101			76	125	
	Bromodichloromethane	20	19.2	ug/L	96			78	127	
	4-Methyl-2-Pentanone	100	98.6	ug/L	99			71	140	
	Toluene	20	19.9	ug/L	100			74	125	
	t-1,3-Dichloropropene	20	18.5	ug/L	93			74	131	
	cis-1,3-Dichloropropene	20	19.3	ug/L	97			74	128	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			75	129	
	2-Hexanone	100	96	ug/L	96			62	153	
	Dibromochloromethane	20	19.3	ug/L	97			74	131	
	1,2-Dibromoethane	20	19.2	ug/L	96			74	129	
	Tetrachloroethene	20	20.8	ug/L	104			46	157	
	Chlorobenzene	20	20	ug/L	100			76	123	
	Ethyl Benzene	20	19.9	ug/L	100			75	126	
	m/p-Xylenes	40	40.6	ug/L	102			74	126	
	o-Xylene	20	20.5	ug/L	103			73	127	
	Styrene	20	20.2	ug/L	101			75	126	
	Bromoform	20	19.6	ug/L	98			66	130	
	Isopropylbenzene	20	21.2	ug/L	106			70	127	
	1,1,2,2-Tetrachloroethane	20	20.3	ug/L	102			66	131	
	1,3-Dichlorobenzene	20	20.4	ug/L	102			70	125	
	1,4-Dichlorobenzene	20	20.7	ug/L	104			71	124	
	1,2-Dichlorobenzene	20	20.6	ug/L	103			71	126	
	1,2-Dibromo-3-Chloropropane	20	20.6	ug/L	103			62	134	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J3131

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN048740.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0530WBS01	1,2,4-Trichlorobenzene	20	19.8	ug/L	99			62	129	
	1,2,3-Trichlorobenzene	20	20.7	ug/L	104			58	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J3131

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN048760.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0530WBS02	Dichlorodifluoromethane	20	19.9	ug/L	100			46	139	
	Chloromethane	20	21	ug/L	105			58	139	
	Vinyl chloride	20	21.6	ug/L	108			65	137	
	Bromomethane	20	23.9	ug/L	119			50	162	
	Chloroethane	20	22	ug/L	110			54	160	
	Trichlorofluoromethane	20	21.3	ug/L	106			67	143	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/L	104			71	136	
	1,1-Dichloroethene	20	20.8	ug/L	104			69	134	
	Acetone	100	92.9	ug/L	93			41	181	
	Carbon disulfide	20	19.4	ug/L	97			63	138	
	Methyl tert-butyl Ether	20	20.5	ug/L	103			72	136	
	Methyl Acetate	20	22.5	ug/L	113			51	158	
	Methylene Chloride	20	21.3	ug/L	106			67	138	
	trans-1,2-Dichloroethene	20	20.8	ug/L	104			72	132	
	1,1-Dichloroethane	20	21.3	ug/L	106			74	135	
	Cyclohexane	20	20.6	ug/L	103			67	132	
	2-Butanone	100	98.7	ug/L	99			64	146	
	Carbon Tetrachloride	20	19.6	ug/L	98			71	134	
	cis-1,2-Dichloroethene	20	21.2	ug/L	106			74	130	
	Bromochloromethane	20	23.7	ug/L	119			71	136	
	Chloroform	20	21.4	ug/L	107			74	134	
	1,1,1-Trichloroethane	20	21.1	ug/L	106			74	133	
	Methylcyclohexane	20	19.7	ug/L	99			71	125	
	Benzene	20	20.8	ug/L	104			75	125	
	1,2-Dichloroethane	20	20.3	ug/L	102			76	130	
	Trichloroethene	20	20.4	ug/L	102			73	127	
	1,2-Dichloropropane	20	21	ug/L	105			76	125	
	Bromodichloromethane	20	20.3	ug/L	102			78	127	
	4-Methyl-2-Pentanone	100	100	ug/L	100			71	140	
	Toluene	20	20.8	ug/L	104			74	125	
	t-1,3-Dichloropropene	20	18.5	ug/L	93			74	131	
	cis-1,3-Dichloropropene	20	19.4	ug/L	97			74	128	
	1,1,2-Trichloroethane	20	21.2	ug/L	106			75	129	
	2-Hexanone	100	93.4	ug/L	93			62	153	
	Dibromochloromethane	20	19.8	ug/L	99			74	131	
	1,2-Dibromoethane	20	18.9	ug/L	95			74	129	
	Tetrachloroethene	20	23.6	ug/L	118			46	157	
	Chlorobenzene	20	20.5	ug/L	103			76	123	
	Ethyl Benzene	20	20.7	ug/L	104			75	126	
	m/p-Xylenes	40	41.6	ug/L	104			74	126	
	o-Xylene	20	21.1	ug/L	106			73	127	
	Styrene	20	20.9	ug/L	104			75	126	
	Bromoform	20	19.7	ug/L	99			66	130	
	Isopropylbenzene	20	21.9	ug/L	110			70	127	
	1,1,2,2-Tetrachloroethane	20	20.9	ug/L	104			66	131	
	1,3-Dichlorobenzene	20	20.8	ug/L	104			70	125	
	1,4-Dichlorobenzene	20	20.4	ug/L	102			71	124	
	1,2-Dichlorobenzene	20	21.3	ug/L	106			71	126	
	1,2-Dibromo-3-Chloropropane	20	20.6	ug/L	103			62	134	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J3131

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN048760.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0530WBS02	1,2,4-Trichlorobenzene	20	16.9	ug/L	85			62	129	
	1,2,3-Trichlorobenzene	20	17.6	ug/L	88			58	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J3131

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN048788.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0531WBS01	Dichlorodifluoromethane	20	20.5	ug/L	103			46	139	
	Chloromethane	20	20	ug/L	100			58	139	
	Vinyl chloride	20	21.3	ug/L	106			65	137	
	Bromomethane	20	13.1	ug/L	66			50	162	
	Chloroethane	20	22.4	ug/L	112			54	160	
	Trichlorofluoromethane	20	21.7	ug/L	109			67	143	
	1,1,2-Trichlorotrifluoroethane	20	21	ug/L	105			71	136	
	1,1-Dichloroethene	20	20.3	ug/L	102			69	134	
	Acetone	100	110	ug/L	110			41	181	
	Carbon disulfide	20	19.4	ug/L	97			63	138	
	Methyl tert-butyl Ether	20	20.8	ug/L	104			72	136	
	Methyl Acetate	20	23.9	ug/L	119			51	158	
	Methylene Chloride	20	20.6	ug/L	103			67	138	
	trans-1,2-Dichloroethene	20	21	ug/L	105			72	132	
	1,1-Dichloroethane	20	21.5	ug/L	108			74	135	
	Cyclohexane	20	20.8	ug/L	104			67	132	
	2-Butanone	100	110	ug/L	110			64	146	
	Carbon Tetrachloride	20	20.9	ug/L	104			71	134	
	cis-1,2-Dichloroethene	20	21.4	ug/L	107			74	130	
	Bromochloromethane	20	23.3	ug/L	117			71	136	
	Chloroform	20	21.6	ug/L	108			74	134	
	1,1,1-Trichloroethane	20	21.3	ug/L	106			74	133	
	Methylcyclohexane	20	20.3	ug/L	102			71	125	
	Benzene	20	21.5	ug/L	108			75	125	
	1,2-Dichloroethane	20	21.3	ug/L	106			76	130	
	Trichloroethene	20	21	ug/L	105			73	127	
	1,2-Dichloropropane	20	22.2	ug/L	111			76	125	
	Bromodichloromethane	20	21.1	ug/L	106			78	127	
	4-Methyl-2-Pentanone	100	110	ug/L	110			71	140	
	Toluene	20	21.6	ug/L	108			74	125	
	t-1,3-Dichloropropene	20	20.6	ug/L	103			74	131	
	cis-1,3-Dichloropropene	20	21.3	ug/L	106			74	128	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			75	129	
	2-Hexanone	100	110	ug/L	110			62	153	
	Dibromochloromethane	20	21.2	ug/L	106			74	131	
	1,2-Dibromoethane	20	20.3	ug/L	102			74	129	
	Tetrachloroethene	20	21.4	ug/L	107			46	157	
	Chlorobenzene	20	20.9	ug/L	104			76	123	
	Ethyl Benzene	20	21	ug/L	105			75	126	
	m/p-Xylenes	40	42.6	ug/L	106			74	126	
	o-Xylene	20	21.3	ug/L	106			73	127	
	Styrene	20	21.6	ug/L	108			75	126	
	Bromoform	20	20.9	ug/L	104			66	130	
	Isopropylbenzene	20	23	ug/L	115			70	127	
	1,1,2,2-Tetrachloroethane	20	23	ug/L	115			66	131	
	1,3-Dichlorobenzene	20	21.3	ug/L	106			70	125	
	1,4-Dichlorobenzene	20	20.9	ug/L	104			71	124	
	1,2-Dichlorobenzene	20	21.1	ug/L	106			71	126	
	1,2-Dibromo-3-Chloropropane	20	21.8	ug/L	109			62	134	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J3131

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN048788.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0531WBS01	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			62	129	
	1,2,3-Trichlorobenzene	20	18.3	ug/L	92			58	130	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0530WBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: J3131SAS No.: J3131 SDG NO.: J3131Lab File ID: VN048734.DLab Sample ID: VN0530WBL01Date Analyzed: 05/30/2018Time Analyzed: 11:54GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0530WBS01	VN0530WBS01	VN048740.D	05/30/2018
929-MW-01 (18)	J3131-01	VN048741.D	05/30/2018
931-MW-03A (17)	J3131-03	VN048742.D	05/30/2018
937-MW-17 (24)	J3131-11	VN048743.D	05/30/2018
939-TB052218	J3131-13	VN048750.D	05/30/2018
930-MW-01 (23)	J3131-02	VN048752.D	05/30/2018
932-MW-03A (22)	J3131-04	VN048753.D	05/30/2018
936-MW-17 (20.5)	J3131-08	VN048754.D	05/30/2018
936-MW-17 (20.5) MS	J3131-09MS	VN048755.D	05/30/2018
936-MW-17 (20.5) MSD	J3131-10MSD	VN048756.D	05/30/2018

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0530WBL02

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: J3131SAS No.: J3131 SDG NO.: J3131Lab File ID: VN048759.DLab Sample ID: VN0530WBL02Date Analyzed: 05/31/2018Time Analyzed: 00:01GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0530WBS02	VN0530WBS02	VN048760.D	05/31/2018
933-MW-03A (28)	J3131-05	VN048766.D	05/31/2018
934-MW-17 (14)	J3131-06	VN048767.D	05/31/2018
935-MW-17 (17)	J3131-07	VN048768.D	05/31/2018

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0531WBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: J3131SAS No.: J3131 SDG NO.: J3131Lab File ID: VN048785.DLab Sample ID: VN0531WBL01Date Analyzed: 05/31/2018Time Analyzed: 11:54GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0531WBS01	VN0531WBS01	VN048788.D	05/31/2018
938-FB052218	J3131-12	VN048789.D	05/31/2018
933-MW-03A (28) DL	J3131-05DL	VN048790.D	05/31/2018
934-MW-17 (14) DL	J3131-06DL	VN048791.D	05/31/2018
935-MW-17 (17) DL	J3131-07DL	VN048792.D	05/31/2018
932-MW-03A (22) DL	J3131-04DL	VN048793.D	05/31/2018
936-MW-17 (20.5) DL	J3131-08DL	VN048794.D	05/31/2018
930-MW-01 (23) DL	J3131-02DL	VN048795.D	05/31/2018
937-MW-17 (24) DL	J3131-11DL	VN048796.D	05/31/2018

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG NO.: J3131
 Lab File ID: VN048686.D BFB Injection Date: 05/29/2018
 Instrument ID: MSVOA_N BFB Injection Time: 09:57
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.1
75	30.0 - 60.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	81.6
175	5.0 - 9.0% of mass 174	6.7 (8.2) 1
176	95.0 - 101.0% of mass 174	78.6 (96.4) 1
177	5.0 - 9.0% of mass 176	5.7 (7.3) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN048687.D	05/29/2018	10:48
VSTDIC005	VSTDIC005	VN048688.D	05/29/2018	11:14
VSTDIC020	VSTDIC020	VN048689.D	05/29/2018	11:39
VSTDIC050	VSTDIC050	VN048690.D	05/29/2018	12:05
VSTDIC100	VSTDIC100	VN048691.D	05/29/2018	12:31
VSTDIC150	VSTDIC150	VN048692.D	05/29/2018	12:56



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG NO.: J3131
 Lab File ID: VN048732.D BFB Injection Date: 05/30/2018
 Instrument ID: MSVOA_N BFB Injection Time: 10:20
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 60.0% of mass 95	47.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.1 (1.3) 1
174	50.0 - 100.0% of mass 95	82.9
175	5.0 - 9.0% of mass 174	6.7 (8) 1
176	95.0 - 101.0% of mass 174	83 (100.1) 1
177	5.0 - 9.0% of mass 176	5.5 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN048733.D	05/30/2018	11:00
VN0530WBL01	VN0530WBL01	VN048734.D	05/30/2018	11:54
VN0530WBS01	VN0530WBS01	VN048740.D	05/30/2018	15:00
929-MW-01 (18)	J3131-01	VN048741.D	05/30/2018	15:25
931-MW-03A (17)	J3131-03	VN048742.D	05/30/2018	15:51
937-MW-17 (24)	J3131-11	VN048743.D	05/30/2018	16:17
939-TB052218	J3131-13	VN048750.D	05/30/2018	19:17
930-MW-01 (23)	J3131-02	VN048752.D	05/30/2018	20:09
932-MW-03A (22)	J3131-04	VN048753.D	05/30/2018	20:35
936-MW-17 (20.5)	J3131-08	VN048754.D	05/30/2018	21:01
936-MW-17 (20.5) MS	J3131-09MS	VN048755.D	05/30/2018	21:26
936-MW-17 (20.5) MSD	J3131-10MSD	VN048756.D	05/30/2018	21:52



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG NO.: J3131
 Lab File ID: VN048757.D BFB Injection Date: 05/30/2018
 Instrument ID: MSVOA_N BFB Injection Time: 22:18
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	48
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	85.6
175	5.0 - 9.0% of mass 174	6.8 (7.9) 1
176	95.0 - 101.0% of mass 174	81.8 (95.5) 1
177	5.0 - 9.0% of mass 176	5.5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN048758.D	05/30/2018	23:09
VN0530WBL02	VN0530WBL02	VN048759.D	05/31/2018	00:01
VN0530WBS02	VN0530WBS02	VN048760.D	05/31/2018	00:26
933-MW-03A(28)	J3131-05	VN048766.D	05/31/2018	03:01
934-MW-17(14)	J3131-06	VN048767.D	05/31/2018	03:26
935-MW-17(17)	J3131-07	VN048768.D	05/31/2018	03:52



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG NO.: J3131
 Lab File ID: VN048783.D BFB Injection Date: 05/31/2018
 Instrument ID: MSVOA_N BFB Injection Time: 10:29
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	48.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.3 (1.6) 1
174	50.0 - 100.0% of mass 95	84
175	5.0 - 9.0% of mass 174	6.8 (8.1) 1
176	95.0 - 101.0% of mass 174	81.1 (96.6) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN048784.D	05/31/2018	11:11
VN0531WBL01	VN0531WBL01	VN048785.D	05/31/2018	11:54
VN0531WBS01	VN0531WBS01	VN048788.D	05/31/2018	13:45
938-FB052218	J3131-12	VN048789.D	05/31/2018	14:10
933-MW-03A(28)DL	J3131-05DL	VN048790.D	05/31/2018	14:36
934-MW-17(14)DL	J3131-06DL	VN048791.D	05/31/2018	15:02
935-MW-17(17)DL	J3131-07DL	VN048792.D	05/31/2018	15:28
932-MW-03A(22)DL	J3131-04DL	VN048793.D	05/31/2018	15:54
936-MW-17(20.5)DL	J3131-08DL	VN048794.D	05/31/2018	16:20
930-MW-01(23)DL	J3131-02DL	VN048795.D	05/31/2018	16:45
937-MW-17(24)DL	J3131-11DL	VN048796.D	05/31/2018	17:11

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG NO.: J3131
 Lab File ID: VN048733.D Date Analyzed: 05/30/2018
 Instrument ID: MSVOA_N Time Analyzed: 11:00
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	354054	7.67	520373	8.59	469279	11.41
UPPER LIMIT	708108	8.17	1040750	9.09	938558	11.91
LOWER LIMIT	177027	7.17	260187	8.09	234640	10.91
EPA SAMPLE NO.						
929-MW-01 (18)	449422	7.67	673076	8.59	569716	11.41
930-MW-01 (23)	342386	7.67	523548	8.59	442956	11.41
931-MW-03A (17)	413815	7.67	620100	8.59	527976	11.41
932-MW-03A (22)	338626	7.67	516822	8.59	441134	11.41
936-MW-17 (20.5)	344669	7.67	528388	8.59	455384	11.41
936-MW-17 (20.5) MS	321887	7.67	482800	8.59	447255	11.41
936-MW-17 (20.5) MSD	324314	7.67	486475	8.59	445234	11.41
937-MW-17 (24)	411578	7.67	623455	8.59	530554	11.41
939-TB052218	366603	7.67	569898	8.59	472010	11.41
VN0530WBL01	348987	7.67	535271	8.59	439969	11.41
VN0530WBS01	390008	7.67	573904	8.59	510707	11.41

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG NO.: J3131
 Lab File ID: VN048733.D Date Analyzed: 05/30/2018
 Instrument ID: MSVOA_N Time Analyzed: 11:00
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	269392	13.35			
UPPER LIMIT	538784	13.85			
LOWER LIMIT	134696	12.85			
EPA SAMPLE NO.					
929-MW-01 (18)	194218	13.35			
930-MW-01 (23)	142160	13.35			
931-MW-03A (17)	180024	13.35			
932-MW-03A (22)	135922	13.35			
936-MW-17 (20.5)	163275	13.35			
936-MW-17 (20.5) MS	255968	13.35			
936-MW-17 (20.5) MSD	252343	13.35			
937-MW-17 (24)	173990	13.35			
939-TB052218	140381	13.35			
VN0530WBL01	150980	13.35			
VN0530WBS01	269420	13.35			

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG NO.: J3131
 Lab File ID: VN048758.D Date Analyzed: 05/30/2018
 Instrument ID: MSVOA_N Time Analyzed: 23:09
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	316280	7.67	473681	8.59	426937	11.41
UPPER LIMIT	632560	8.17	947362	9.09	853874	11.91
LOWER LIMIT	158140	7.17	236841	8.09	213469	10.91
EPA SAMPLE NO.						
933-MW-03A(28)	297060	7.67	476000	8.59	397062	11.41
934-MW-17(14)	304666	7.67	482893	8.59	415537	11.41
935-MW-17(17)	293631	7.67	470843	8.59	400747	11.41
VN0530WBL02	302987	7.67	480162	8.59	408246	11.41
VN0530WBS02	290114	7.67	448106	8.59	393371	11.41

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG NO.: J3131
 Lab File ID: VN048758.D Date Analyzed: 05/30/2018
 Instrument ID: MSVOA_N Time Analyzed: 23:09
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	239450	13.35				
UPPER LIMIT	478900	13.85				
LOWER LIMIT	119725	12.85				
EPA SAMPLE NO.						
933-MW-03A(28)	126182	13.35				
934-MW-17(14)	150807	13.35				
935-MW-17(17)	131572	13.35				
VN0530WBL02	120326	13.35				
VN0530WBS02	206966	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG NO.: J3131
 Lab File ID: VN048784.D Date Analyzed: 05/31/2018
 Instrument ID: MSVOA_N Time Analyzed: 11:11
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	287792	7.67	428038	8.59	391370	11.41
UPPER LIMIT	575584	8.17	856076	9.09	782740	11.91
LOWER LIMIT	143896	7.17	214019	8.09	195685	10.91
EPA SAMPLE NO.						
930-MW-01 (23) DL	280636	7.67	435184	8.59	376003	11.41
932-MW-03A (22) DL	281612	7.67	440126	8.59	378938	11.41
933-MW-03A (28) DL	290437	7.67	453453	8.59	395442	11.41
934-MW-17 (14) DL	296394	7.67	478267	8.59	404847	11.41
935-MW-17 (17) DL	273304	7.67	438420	8.59	374458	11.41
936-MW-17 (20.5) DL	279230	7.67	446088	8.59	374055	11.41
937-MW-17 (24) DL	263971	7.67	418623	8.59	350076	11.41
938-FB052218	286367	7.67	462377	8.59	387825	11.41
VN0531WBL01	320574	7.67	508543	8.59	430932	11.41
VN0531WBS01	301541	7.67	451219	8.59	413128	11.41

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG NO.: J3131
 Lab File ID: VN048784.D Date Analyzed: 05/31/2018
 Instrument ID: MSVOA_N Time Analyzed: 11:11
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	229624	13.35			
UPPER LIMIT	459248	13.85			
LOWER LIMIT	114812	12.85			
EPA SAMPLE NO.					
930-MW-01 (23) DL	118494	13.35			
932-MW-03A (22) DL	107940 *	13.35			
933-MW-03A (28) DL	118608	13.35			
934-MW-17 (14) DL	128199	13.35			
935-MW-17 (17) DL	105412 *	13.35			
936-MW-17 (20.5) DL	113789 *	13.35			
937-MW-17 (24) DL	89899 *	13.35			
938-FB052218	117725	13.35			
VN0531WBL01	141076	13.35			
VN0531WBS01	215186	13.35			

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

SAMPLE
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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	929-MW-01(18)	SDG No.:	J3131
Lab Sample ID:	J3131-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048741.D	10		05/30/18 15:25	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10	U	2	2	10	ug/L
74-87-3	Chloromethane	10	U	2	2	10	ug/L
75-01-4	Vinyl Chloride	10	U	2	2	10	ug/L
74-83-9	Bromomethane	10	U	2	2	10	ug/L
75-00-3	Chloroethane	10	U	2	5	10	ug/L
75-69-4	Trichlorofluoromethane	10	U	2	2	10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	2	2	10	ug/L
75-35-4	1,1-Dichloroethene	10	U	2	2	10	ug/L
67-64-1	Acetone	50	U	5	10	50	ug/L
75-15-0	Carbon Disulfide	10	U	2	2	10	ug/L
1634-04-4	Methyl tert-butyl Ether	10	U	3.5	5	10	ug/L
79-20-9	Methyl Acetate	10	U	2	5	10	ug/L
75-09-2	Methylene Chloride	10	U	2	2	10	ug/L
156-60-5	trans-1,2-Dichloroethene	10	U	2	2	10	ug/L
75-34-3	1,1-Dichloroethane	10	U	2	2	10	ug/L
110-82-7	Cyclohexane	10	U	2	2	10	ug/L
78-93-3	2-Butanone	50	U	13.2	25	50	ug/L
56-23-5	Carbon Tetrachloride	10	U	2	2	10	ug/L
156-59-2	cis-1,2-Dichloroethene	160		2	2	10	ug/L
74-97-5	Bromochloromethane	10	U	2	5	10	ug/L
67-66-3	Chloroform	10	U	2	2	10	ug/L
71-55-6	1,1,1-Trichloroethane	10	U	2	2	10	ug/L
108-87-2	Methylcyclohexane	10	U	2	2	10	ug/L
71-43-2	Benzene	10	U	2	2	10	ug/L
107-06-2	1,2-Dichloroethane	10	U	2	2	10	ug/L
79-01-6	Trichloroethene	140		2	2	10	ug/L
78-87-5	1,2-Dichloropropane	10	U	2	2	10	ug/L
75-27-4	Bromodichloromethane	10	U	2	2	10	ug/L
108-10-1	4-Methyl-2-Pentanone	50	U	10	10	50	ug/L
108-88-3	Toluene	10	U	2	2	10	ug/L
10061-02-6	t-1,3-Dichloropropene	10	U	2	2	10	ug/L
10061-01-5	cis-1,3-Dichloropropene	10	U	2	2	10	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	929-MW-01(18)	SDG No.:	J3131
Lab Sample ID:	J3131-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048741.D	10		05/30/18 15:25	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10	U	2	2	10	ug/L
591-78-6	2-Hexanone	50	U	19.4	25	50	ug/L
124-48-1	Dibromochloromethane	10	U	2	2	10	ug/L
106-93-4	1,2-Dibromoethane	10	U	2	2	10	ug/L
127-18-4	Tetrachloroethene	910		2	2	10	ug/L
108-90-7	Chlorobenzene	10	U	2	2	10	ug/L
100-41-4	Ethyl Benzene	10	U	2	2	10	ug/L
179601-23-1	m/p-Xylenes	20	U	4	4	20	ug/L
95-47-6	o-Xylene	10	U	2	2	10	ug/L
100-42-5	Styrene	10	U	2	2	10	ug/L
75-25-2	Bromoform	10	U	2	2	10	ug/L
98-82-8	Isopropylbenzene	10	U	2	2	10	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10	U	2	2	10	ug/L
541-73-1	1,3-Dichlorobenzene	10	U	2	2	10	ug/L
106-46-7	1,4-Dichlorobenzene	10	U	2	2	10	ug/L
95-50-1	1,2-Dichlorobenzene	10	U	2	2	10	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	2	2	10	ug/L
120-82-1	1,2,4-Trichlorobenzene	10	U	2	2	10	ug/L
87-61-6	1,2,3-Trichlorobenzene	10	U	2	2	10	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	38.5		61 - 141		77%	SPK: 50
1868-53-7	Dibromofluoromethane	41.1		69 - 133		82%	SPK: 50
2037-26-5	Toluene-d8	42.2		65 - 126		84%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.5		58 - 135		67%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	449422	7.67				
540-36-3	1,4-Difluorobenzene	673076	8.59				
3114-55-4	Chlorobenzene-d5	569716	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	194218	13.35				
TENTATIVE IDENTIFIED COMPOUNDS							
91-20-3	Naphthalene	51.1	J			15.14	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	929-MW-01(18)	SDG No.:	J3131
Lab Sample ID:	J3131-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048741.D	10		05/30/18 15:25	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048741.D
 Acq On : 30 May 2018 15:25
 Operator : MD\SY
 Sample : J3131-01 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 929-MW-01(18)

Quant Time: May 31 07:54:37 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

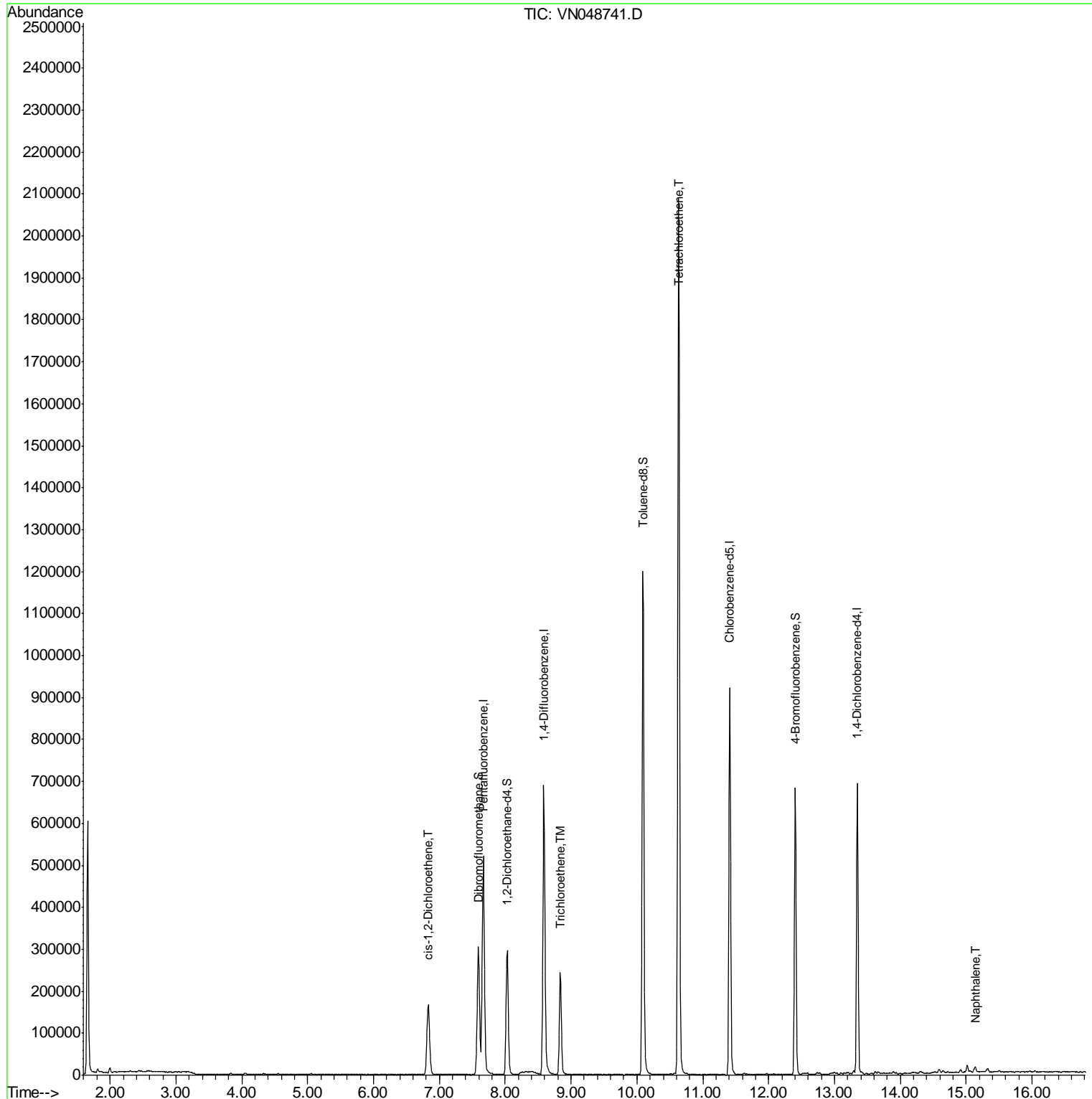
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	449422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	673076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	569716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194218	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	251160	38.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.90%	
35) Dibromofluoromethane	7.59	113	234356	41.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.22%	
50) Toluene-d8	10.09	98	888284	42.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.32%	
62) 4-Bromofluorobenzene	12.40	95	243890	33.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.08%	
Target Compounds						
27) cis-1,2-Dichloroethene	6.83	96	114657	16.25	ug/l	90
44) Trichloroethene	8.84	130	97658	13.98	ug/l	96
64) Tetrachloroethene	10.63	164	525035	91.03	ug/l	99
95) Naphthalene	15.14	128	9041	5.11	ug/l #	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

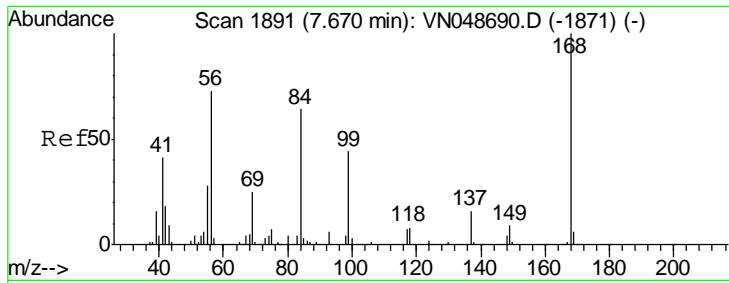
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048741.D
 Acq On : 30 May 2018 15:25
 Operator : MD\SY
 Sample : J3131-01 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample Id :
 929-MW-01(18)

Quant Time: May 31 07:54:37 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



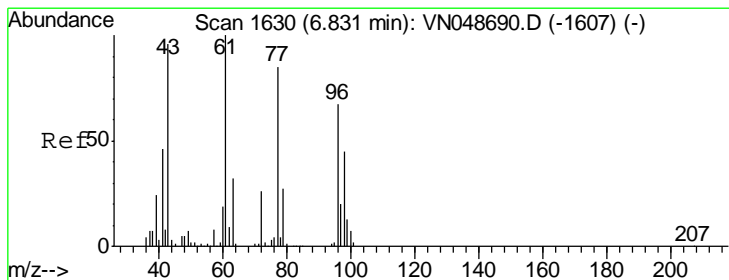
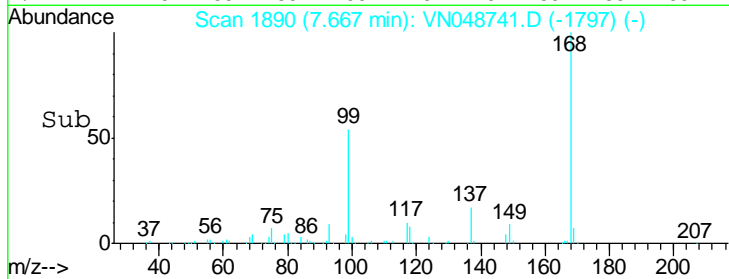
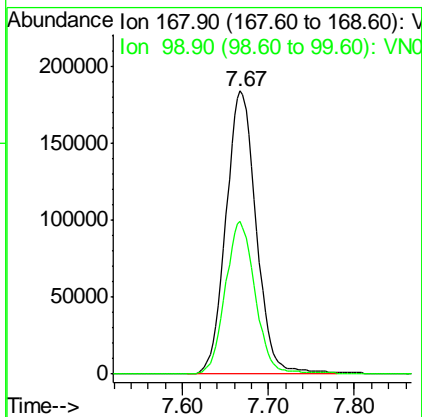
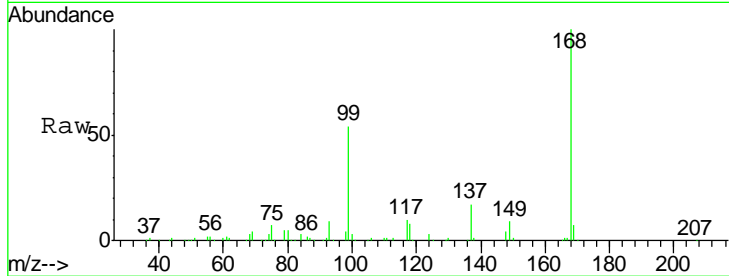
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048741.D
 Acq: 30 May 2018 15:25

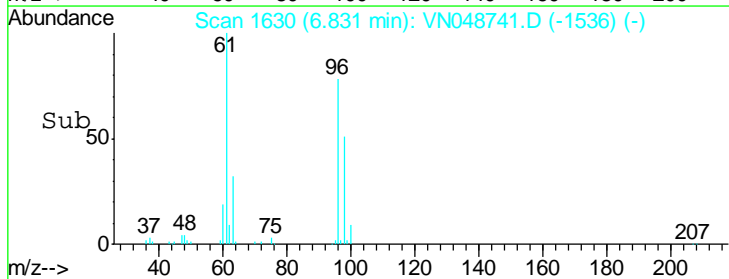
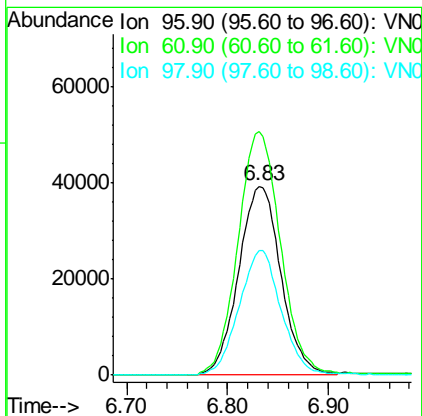
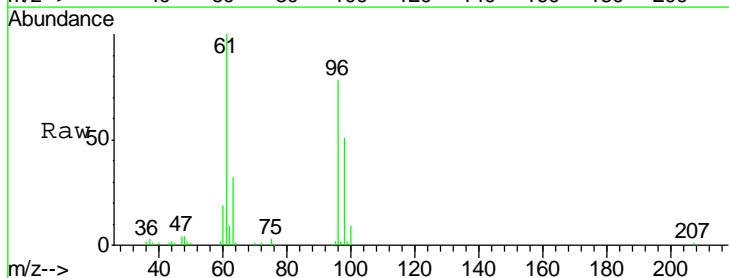
Instrument : MSVOA_N
 ClientSampleId : 929-MW-01(18)

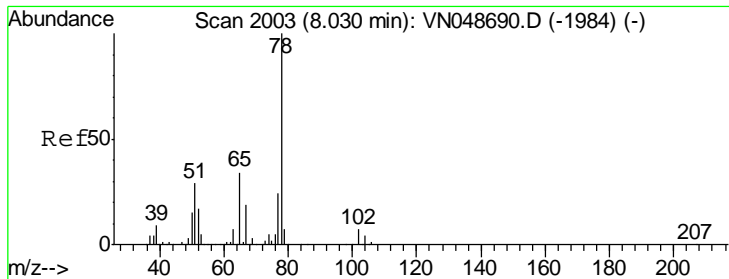
Tgt Ion	Resp	Lower	Upper
168	100		
99	53.9	40.8	61.2



#27
 cis-1,2-Dichloroethene
 Concen: 16.25 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048741.D
 Acq: 30 May 2018 15:25

Tgt Ion	Resp	Lower	Upper
96	100		
61	129.6	0.0	292.6
98	65.4	0.0	128.2

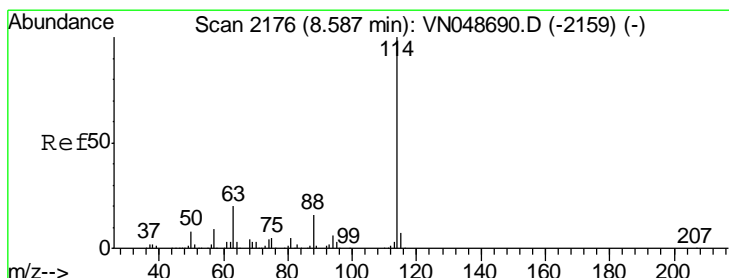
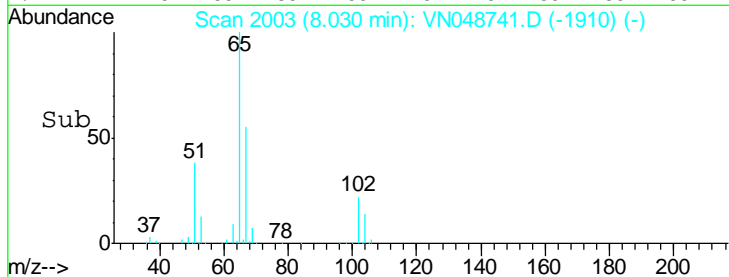
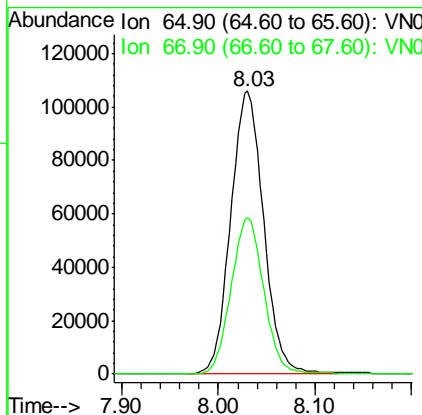
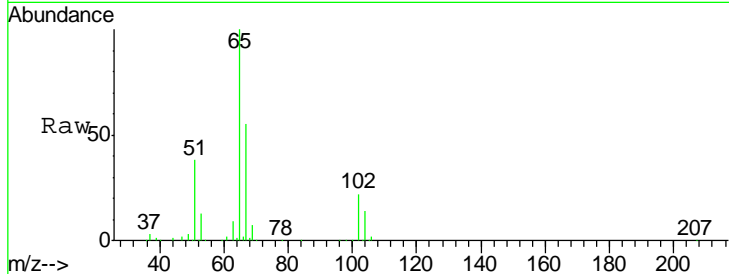




#33
 1,2-Dichloroethane-d4
 Concen: 38.45 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048741.D
 Acq: 30 May 2018 15:25

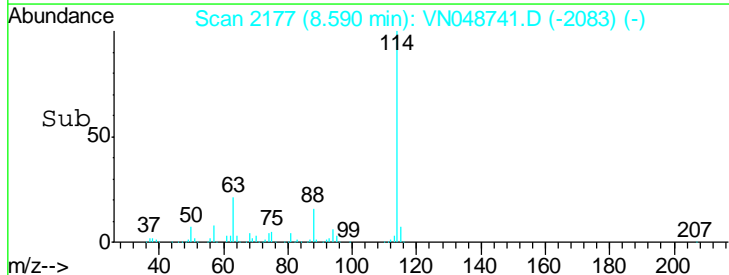
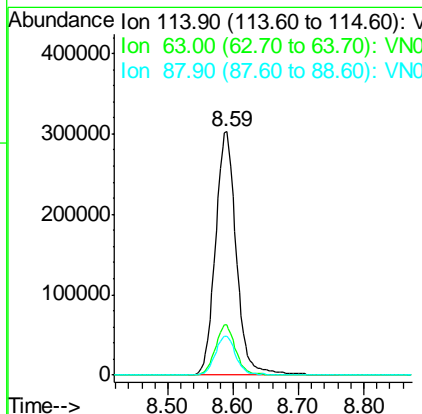
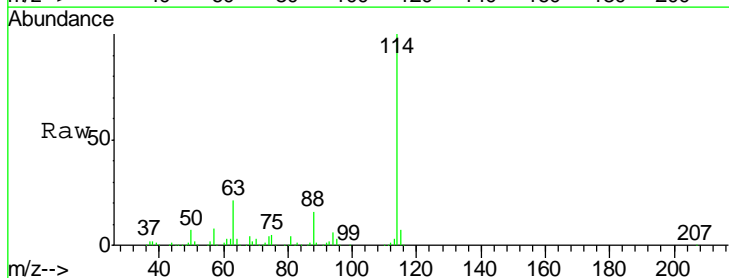
Instrument : MSVOA_N
 ClientSampled : 929-MW-01(18)

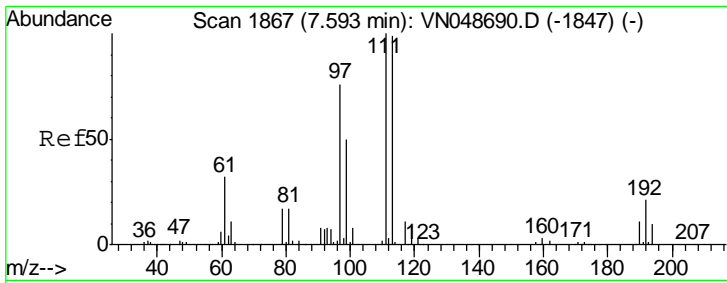
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.5	0.0	108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048741.D
 Acq: 30 May 2018 15:25

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.7	0.0	40.0
88	16.0	0.0	31.0

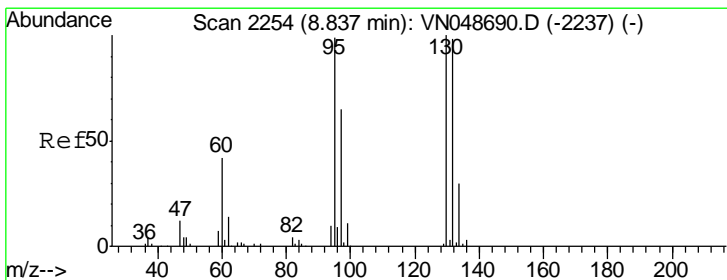
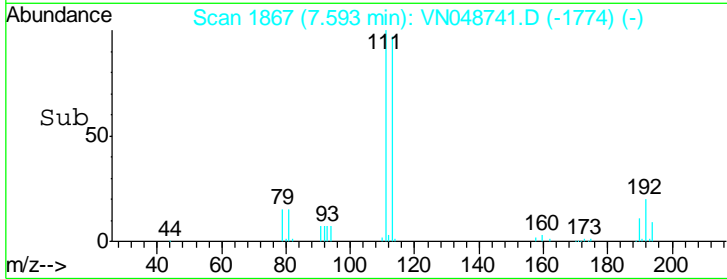
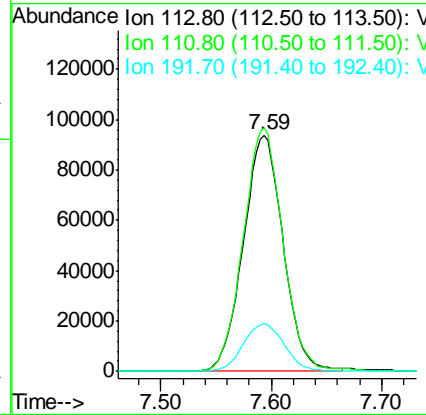
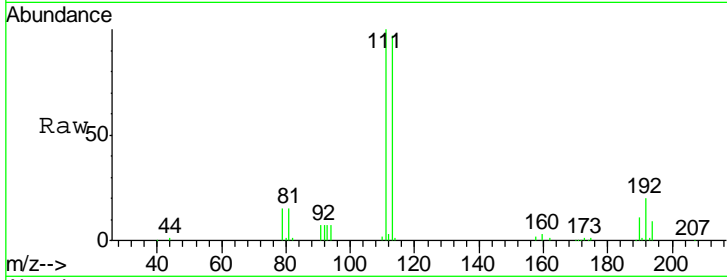




#35
 Dibromofluoromethane
 Concen: 41.11 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048741.D
 Acq: 30 May 2018 15:25

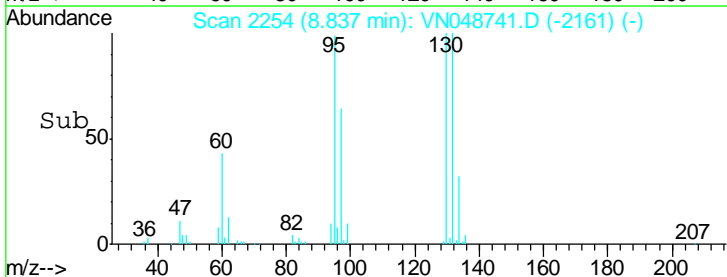
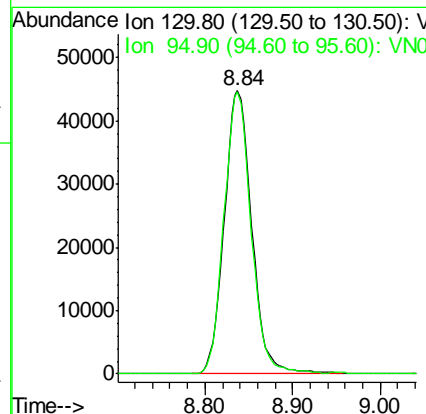
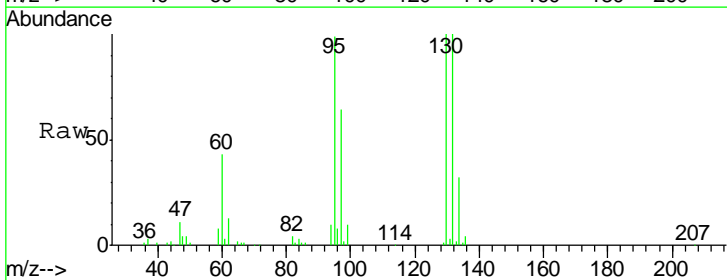
Instrument : MSVOA_N
 Client Sampled : 929-MW-01(18)

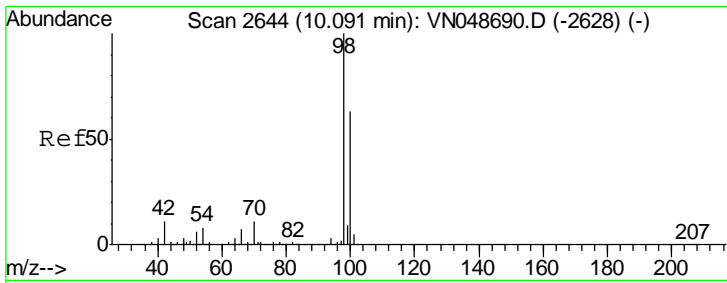
Tgt Ion	Resp	Lower	Upper
113	100		
111	103.2	81.7	122.5
192	20.8	17.6	26.4



#44
 Trichloroethene
 Concen: 13.98 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048741.D
 Acq: 30 May 2018 15:25

Tgt Ion	Resp	Lower	Upper
130	100		
95	99.6	0.0	191.6

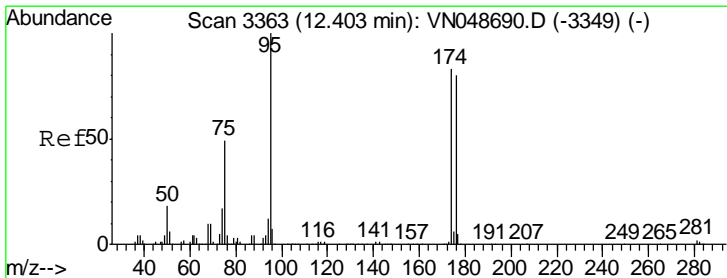
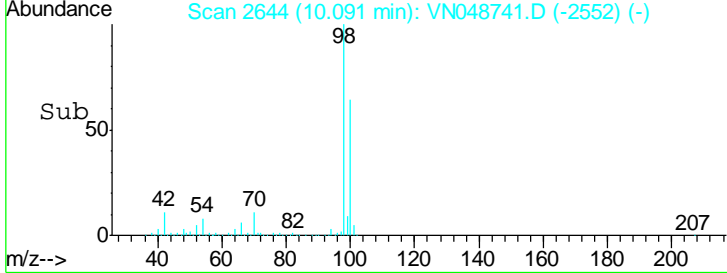
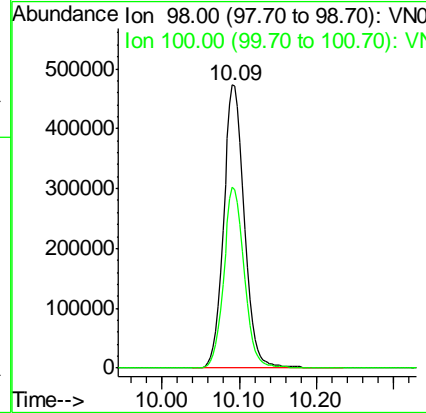
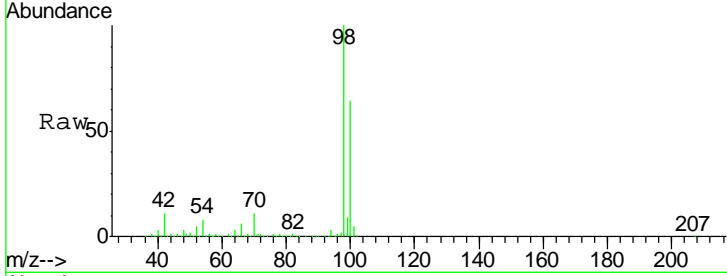




#50
 Toluene-d8
 Concen: 42.16 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048741.D
 Acq: 30 May 2018 15:25

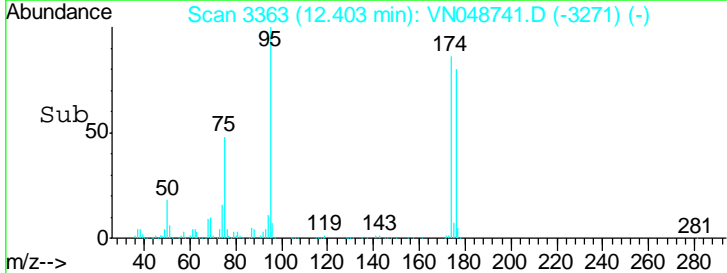
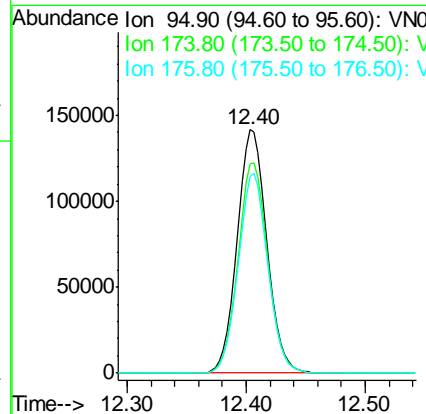
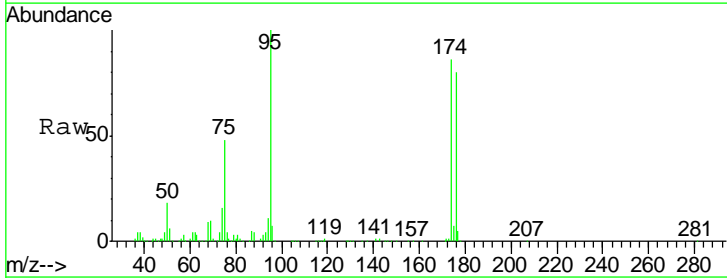
Instrument :
 MSVOA_N
 ClientSampled :
 929-MW-01(18)

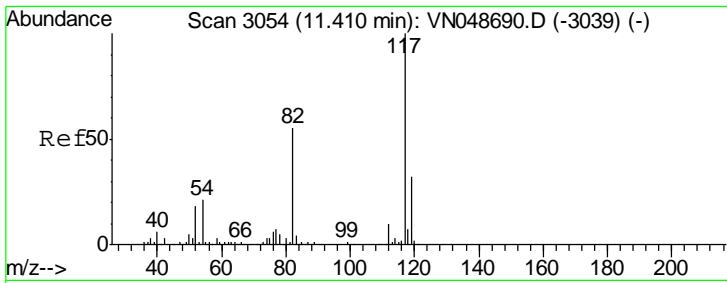
Tgt Ion: 98 Resp: 888284
 Ion Ratio Lower Upper
 98 100
 100 63.2 51.2 76.8



#62
 4-Bromofluorobenzene
 Concen: 33.54 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048741.D
 Acq: 30 May 2018 15:25

Tgt Ion: 95 Resp: 243890
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 173.8
 176 81.8 0.0 170.0

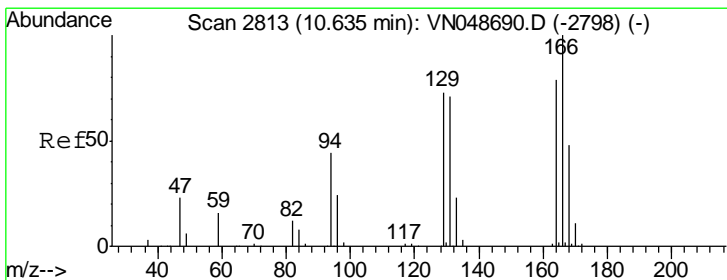
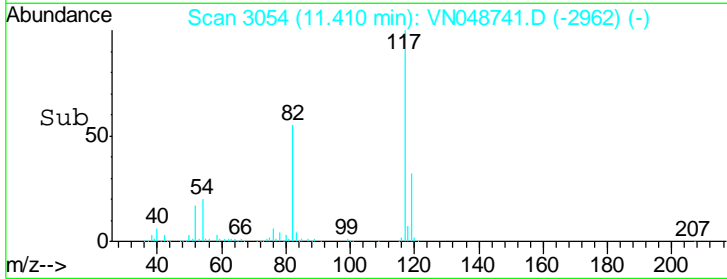
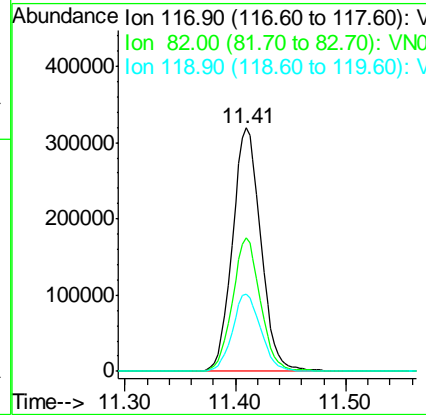
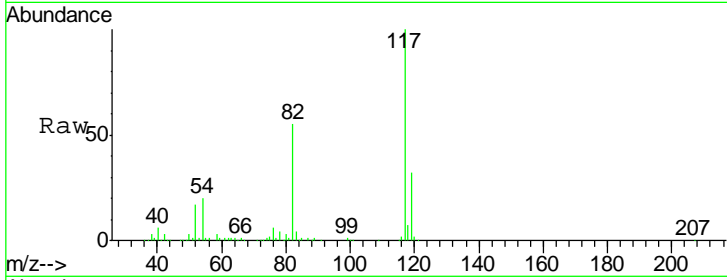




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048741.D
 Acq: 30 May 2018 15:25

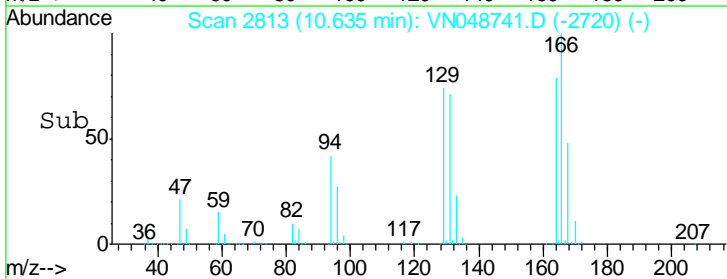
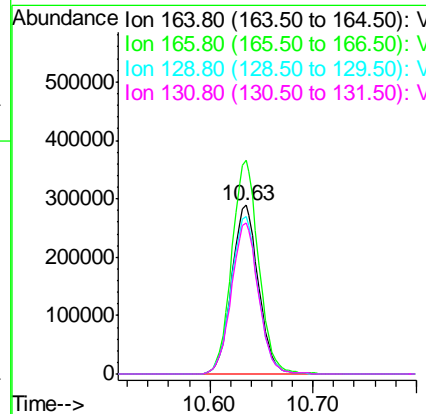
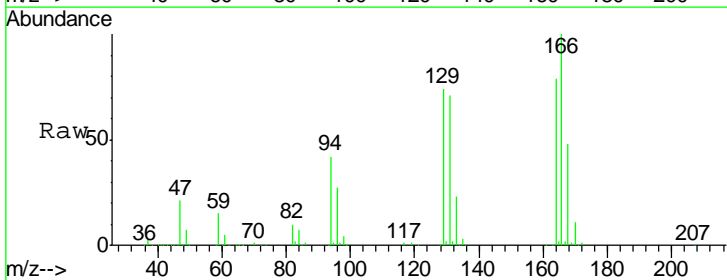
Instrument : MSVOA_N
 ClientSampled : 929-MW-01(18)

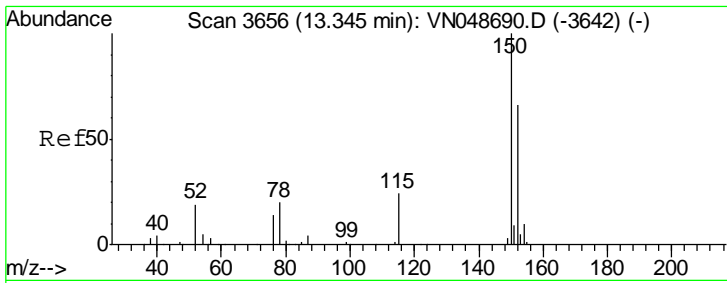
Tgt Ion	Resp	Lower	Upper
117	569716		
82	54.9	42.8	64.2
119	31.8	26.0	39.0



#64
 Tetrachloroethene
 Concen: 91.03 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048741.D
 Acq: 30 May 2018 15:25

Tgt Ion	Resp	Lower	Upper
164	525035		
166	126.6	102.7	154.1
129	93.7	74.3	111.5
131	89.9	71.4	107.0

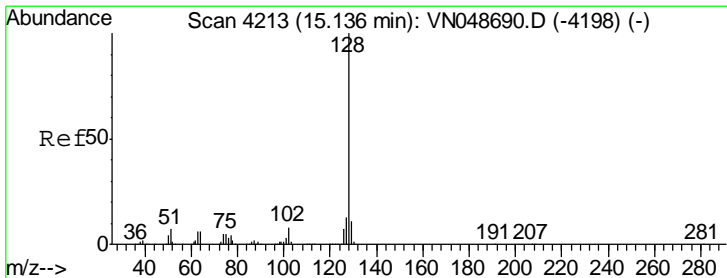
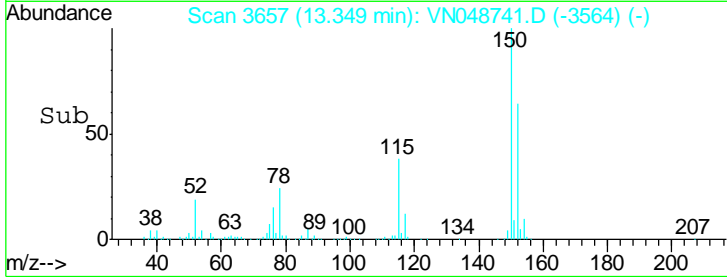
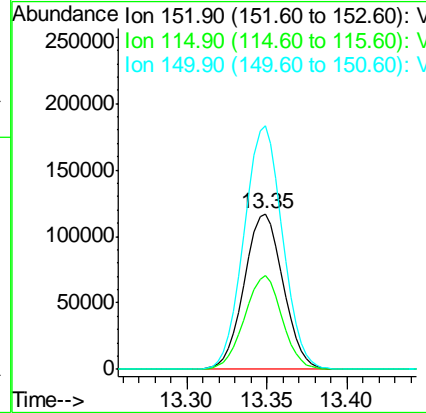
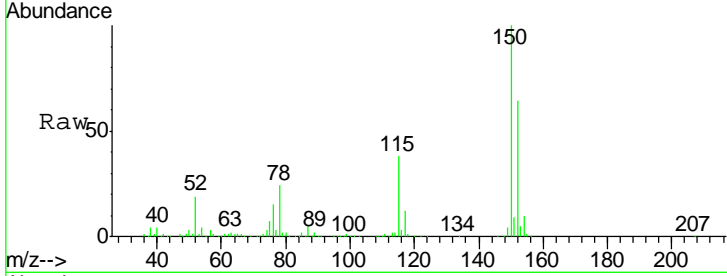




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048741.D
 Acq: 30 May 2018 15:25

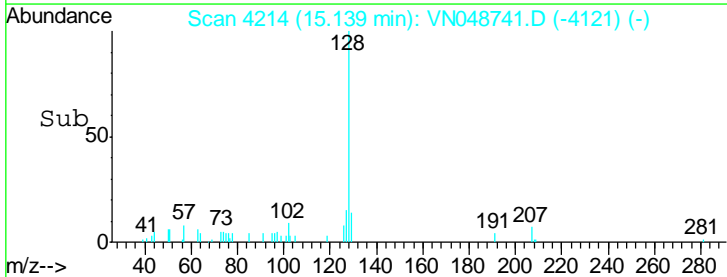
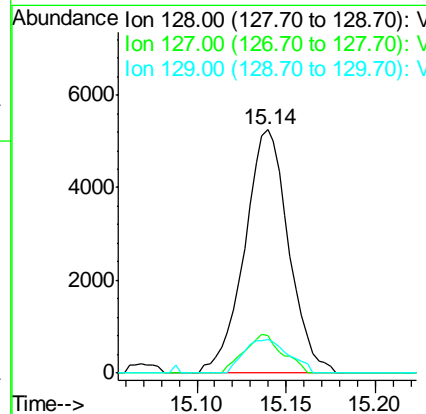
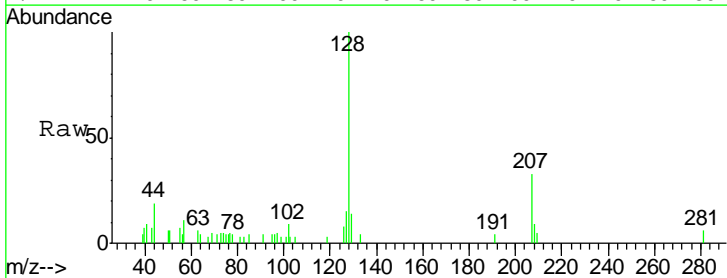
Instrument : MSVOA_N
 ClientSampleId : 929-MW-01(18)

Tgt Ion	Resp	Lower	Upper
152	100		
115	58.1	28.1	84.4
150	154.5	0.0	353.0



#95
 Naphthalene
 Concen: 5.11 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VN048741.D
 Acq: 30 May 2018 15:25

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.9	10.2	15.4
129	14.0	8.7	13.1#



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048741.D
 Acq On : 30 May 2018 15:25
 Operator : MD\SY
 Sample : J3131-01 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 929-MW-01(18)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.661	3	22	43	rBV	605022	971701	25.59%	5.996%
2	6.831	1611	1630	1654	rBV	168029	488061	12.85%	3.012%
3	7.593	1848	1867	1878	rBV2	304469	753215	19.84%	4.648%
4	7.667	1878	1890	1924	rVB	518954	1251600	32.97%	7.724%
5	8.030	1984	2003	2028	rBV2	297165	699703	18.43%	4.318%
6	8.587	2160	2176	2204	rBV	688713	1504733	39.63%	9.286%
7	8.837	2239	2254	2276	rBV3	242433	515648	13.58%	3.182%
8	10.091	2629	2644	2678	rBV	1199818	2258984	59.50%	13.940%
9	10.635	2797	2813	2843	rBV	2086090	3796664	100.00%	23.429%
10	11.410	3040	3054	3085	rBV	923634	1647046	43.38%	10.164%
11	12.403	3349	3363	3384	rVB	682667	1181191	31.11%	7.289%
12	13.349	3644	3657	3671	rBV	689636	1136166	29.93%	7.011%

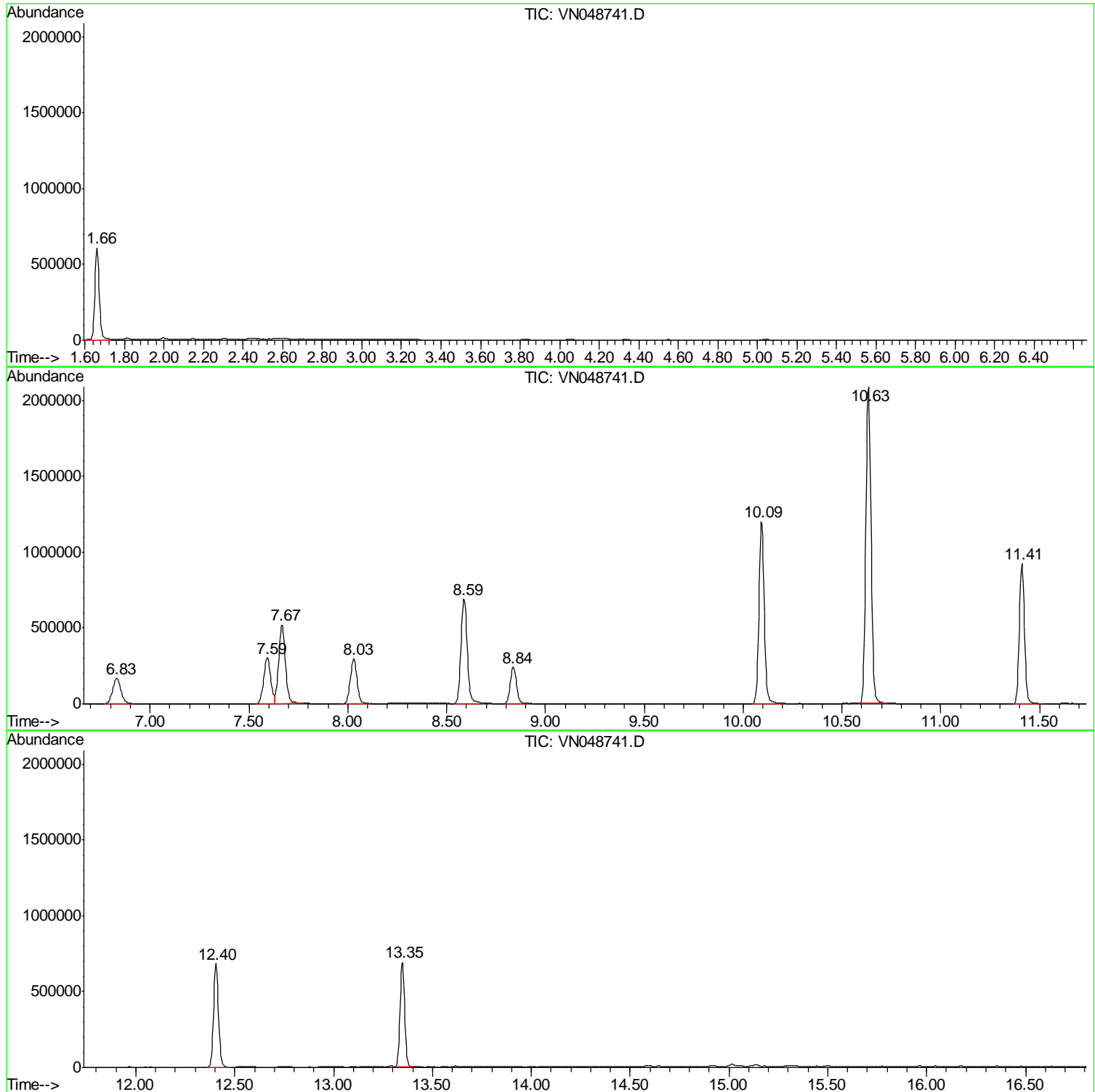
Sum of corrected areas: 16204712

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
Data File : VN048741.D
Acq On : 30 May 2018 15:25
Operator : MD\SY
Sample : J3131-01 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
929-MW-01(18)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
Data File : VN048741.D
Acq On : 30 May 2018 15:25
Operator : MD\SY
Sample : J3131-01 10X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
929-MW-01(18)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
 Data File : VN048741.D
 Acq On : 30 May 2018 15:25
 Operator : MD\SY
 Sample : J3131-01 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 929-MW-01(18)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	930-MW-01(23)	SDG No.:	J3131
Lab Sample ID:	J3131-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048752.D	1		05/30/18 20:09	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.37	J	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	4	J	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	2.3		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	170	E	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	150		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	930-MW-01(23)	SDG No.:	J3131
Lab Sample ID:	J3131-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048752.D	1		05/30/18 20:09	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	960	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.1		61 - 141		82%	SPK: 50
1868-53-7	Dibromofluoromethane	43.7		69 - 133		87%	SPK: 50
2037-26-5	Toluene-d8	42.8		65 - 126		86%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.1		58 - 135		66%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	342386	7.67				
540-36-3	1,4-Difluorobenzene	523548	8.59				
3114-55-4	Chlorobenzene-d5	442956	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	142160	13.35				

**Report of Analysis**

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	930-MW-01(23)	SDG No.:	J3131
Lab Sample ID:	J3131-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048752.D	1		05/30/18 20:09	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048752.D
 Acq On : 30 May 2018 20:09
 Operator : MD\SY
 Sample : J3131-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 930-MW-01(23)

Quant Time: May 31 04:09:22 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	342386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	523548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	442956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	142160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	204460	41.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.18%	
35) Dibromofluoromethane	7.59	113	193633	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	
50) Toluene-d8	10.09	98	702191	42.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.68%	
62) 4-Bromofluorobenzene	12.41	95	187048	33.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.14%	

Target Compounds

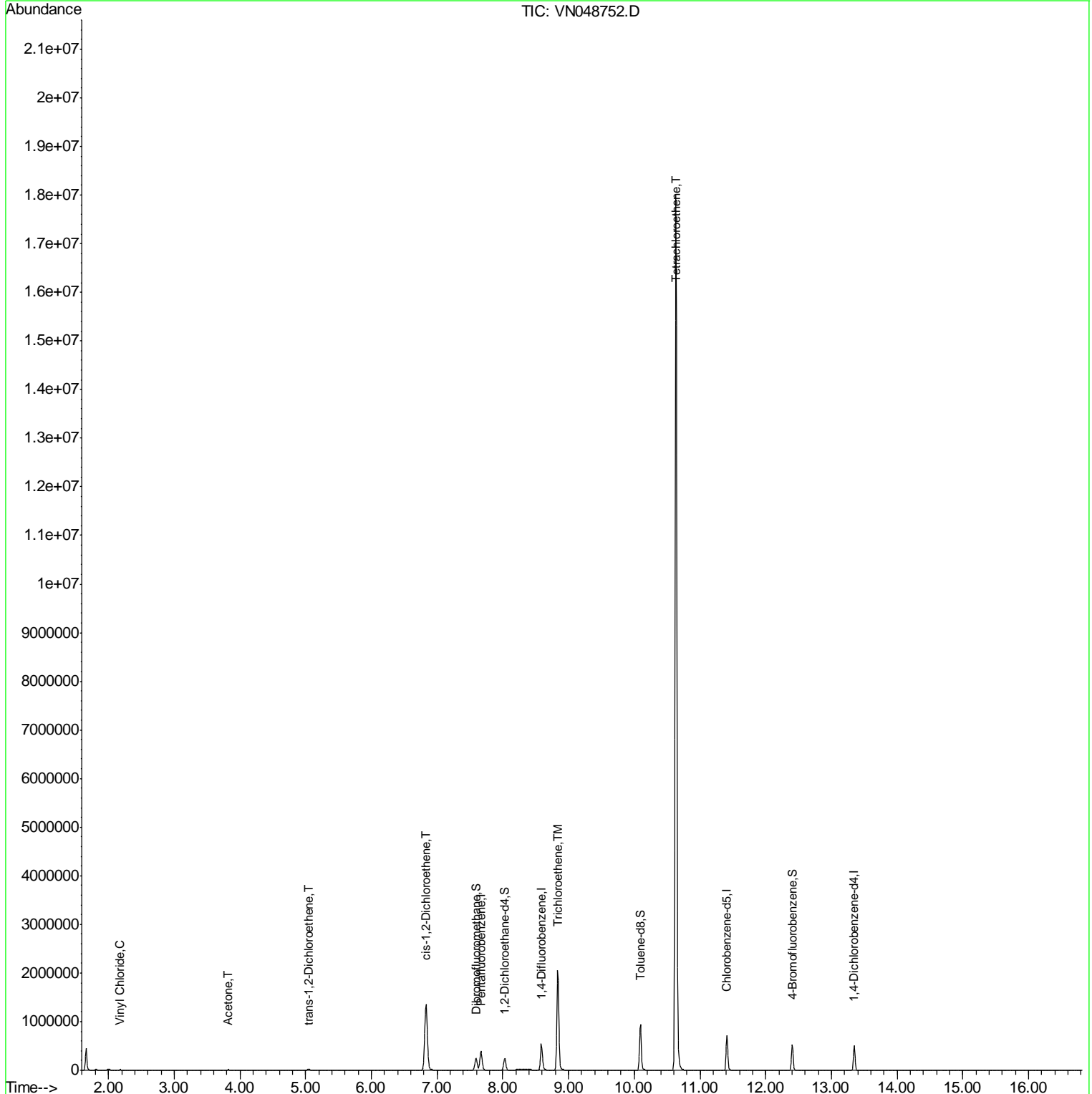
						Qvalue
4) Vinyl Chloride	2.18	62	2016	0.37	ug/l	100
16) Acetone	3.82	43	15204	3.98	ug/l	92
21) trans-1,2-Dichloroethene	5.05	96	10760	2.26	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	923274	171.72	ug/l	91
44) Trichloroethene	8.84	130	791794	145.74	ug/l	97
64) Tetrachloroethene	10.63	164	4320491	963.42	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

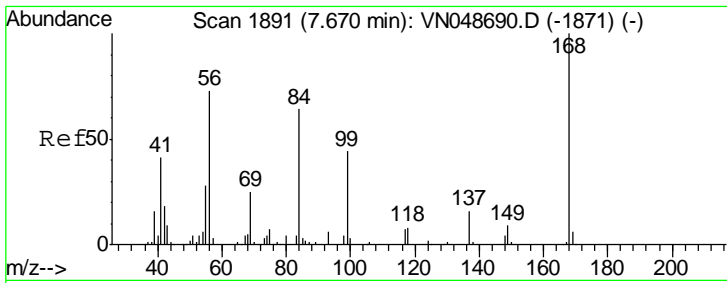
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 Data File : VN048752.D
 Acq On : 30 May 2018 20:09
 Operator : MD\SY
 Sample : J3131-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 930-MW-01(23)

Quant Time: May 31 04:09:22 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



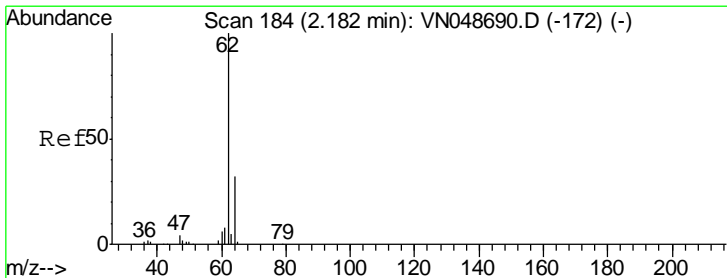
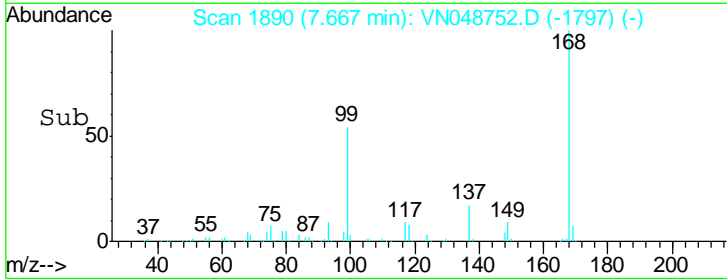
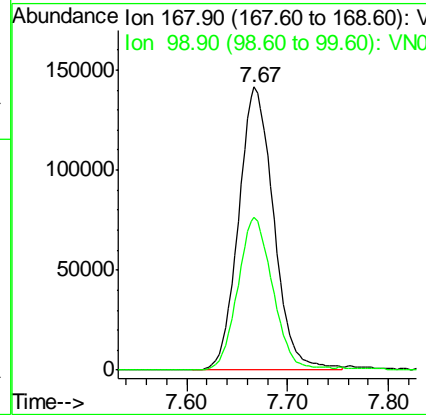
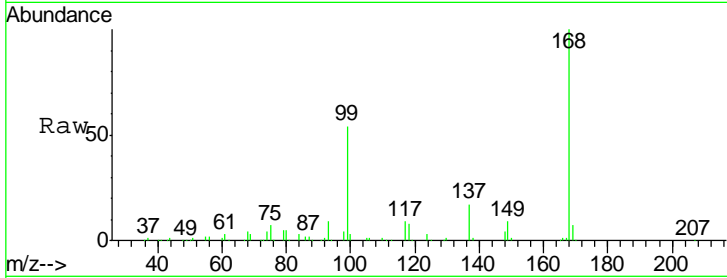
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

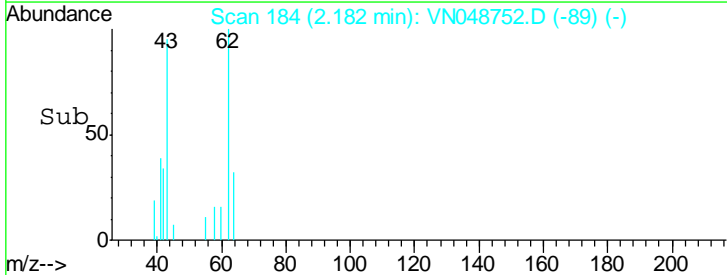
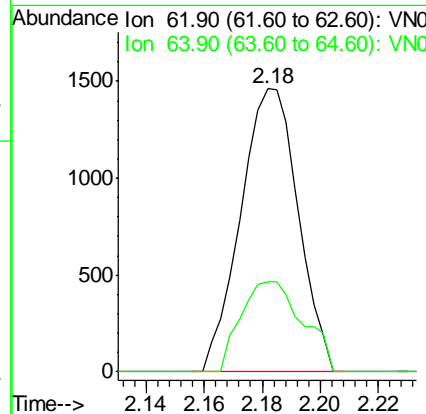
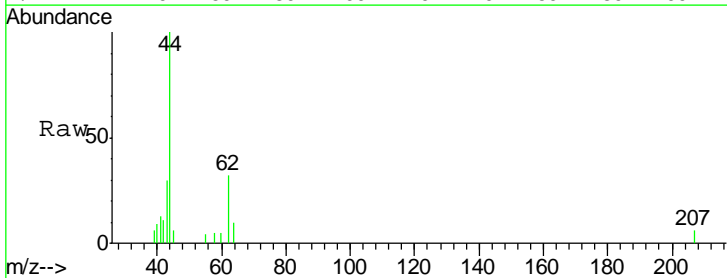
Instrument : MSVOA_N
 ClientSampleId : 930-MW-01(23)

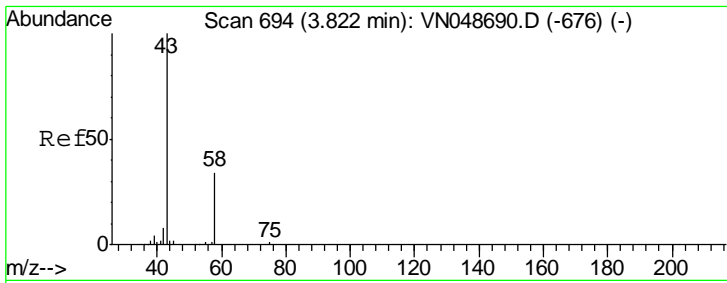
Tgt Ion	Resp	Lower	Upper
168	100		
99	53.9	40.8	61.2



#4
 Vinyl Chloride
 Concen: 0.37 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.0	25.6	38.4

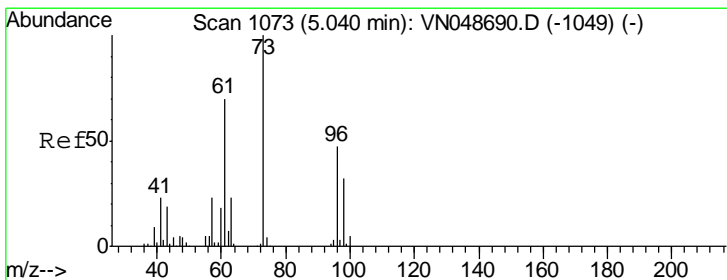
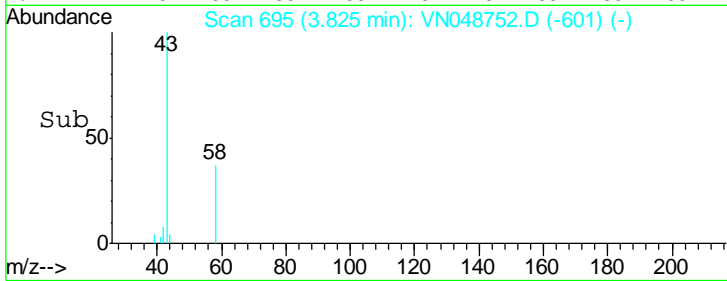
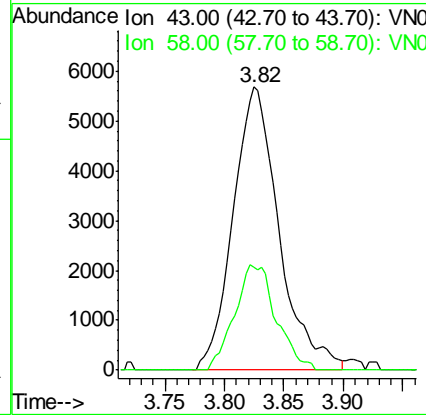
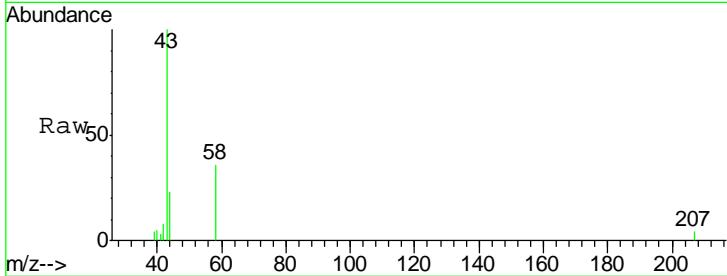




#16
 Acetone
 Concen: 3.98 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

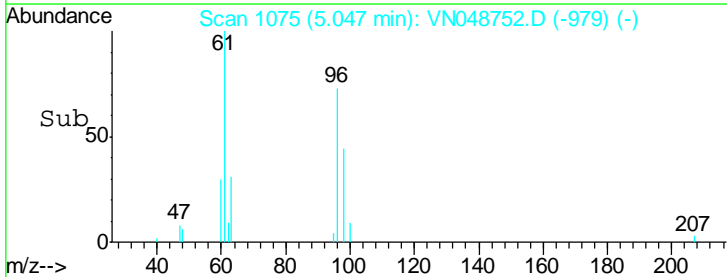
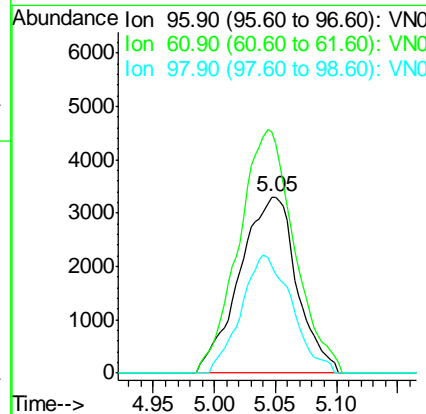
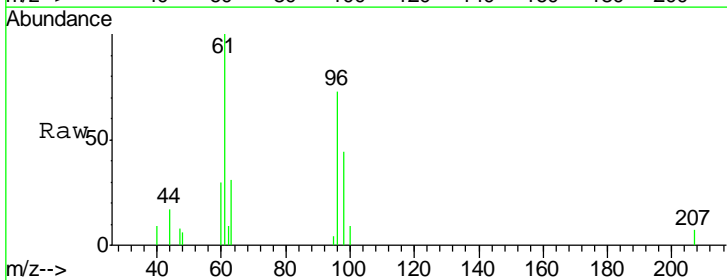
Instrument : MSVOA_N
 ClientSampled : 930-MW-01(23)

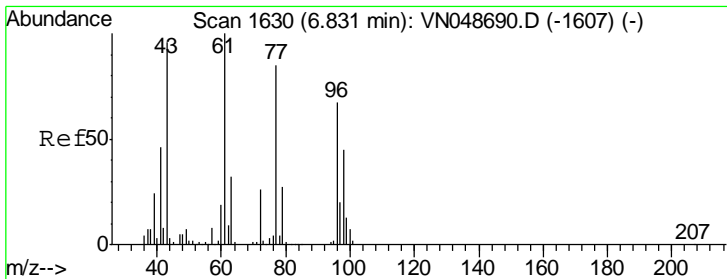
Tgt Ion	Resp	Lower	Upper
43	15204		
58	36.4	25.4	38.0



#21
 trans-1,2-Dichloroethene
 Concen: 2.26 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

Tgt Ion	Resp	Lower	Upper
96	10760		
61	137.3	112.2	168.2
98	61.0	50.5	75.7

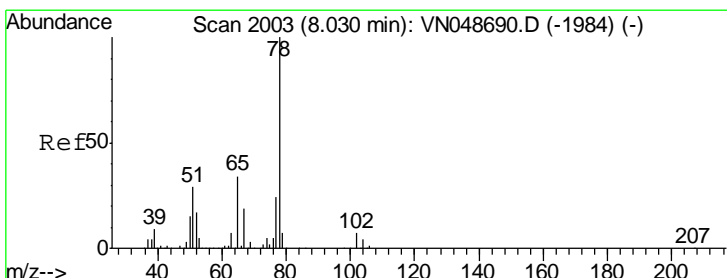
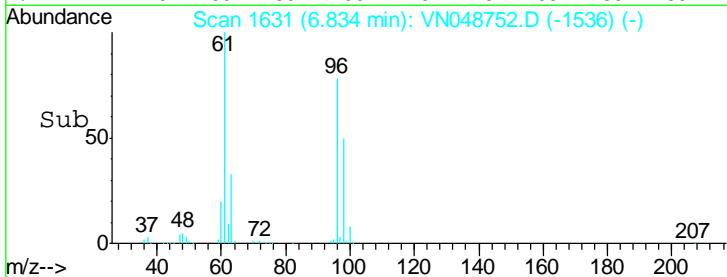
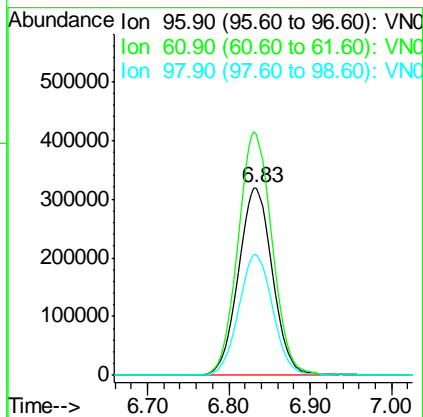
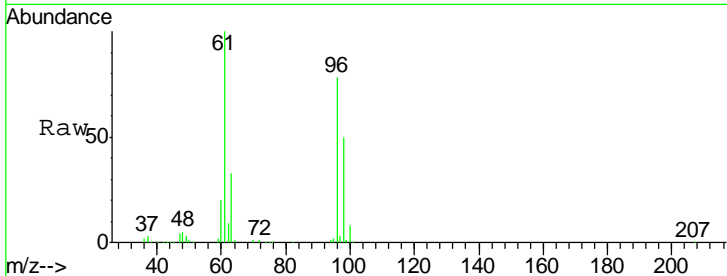




#27
 cis-1,2-Dichloroethene
 Concen: 171.72 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

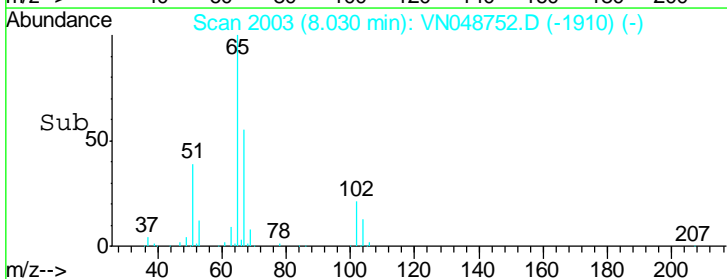
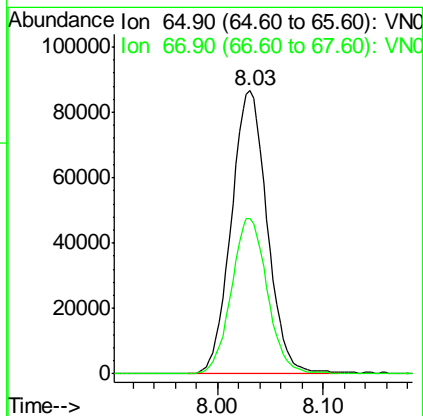
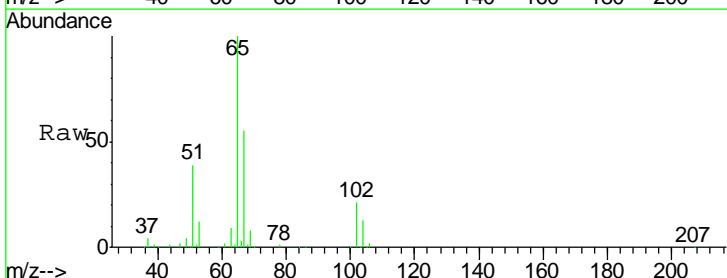
Instrument :
 MSVOA_N
 ClientSampled :
 930-MW-01(23)

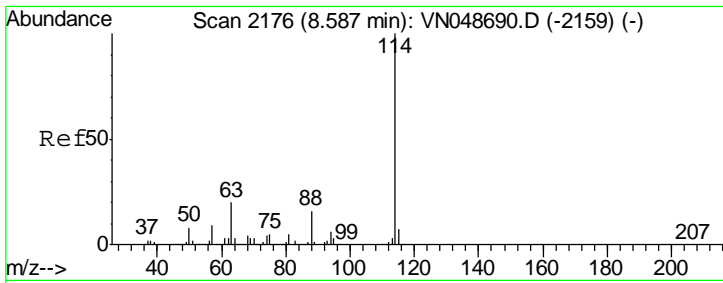
Tgt Ion	Resp	Lower	Upper
96	923274		
96	100		
61	129.9	0.0	292.6
98	64.4	0.0	128.2



#33
 1,2-Dichloroethane-d4
 Concen: 41.09 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

Tgt Ion	Resp	Lower	Upper
65	204460		
65	100		
67	55.1	0.0	108.4

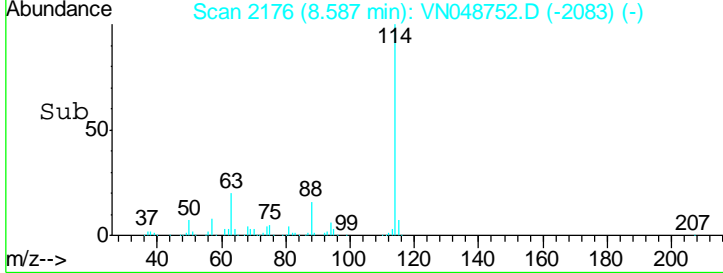
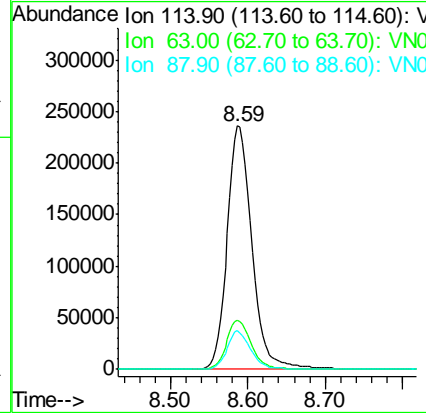
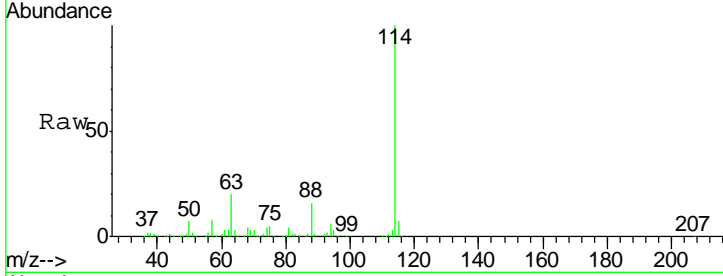




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

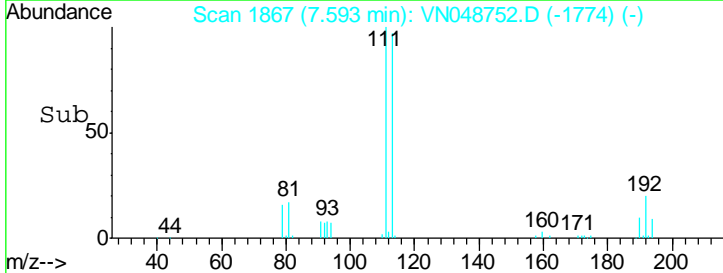
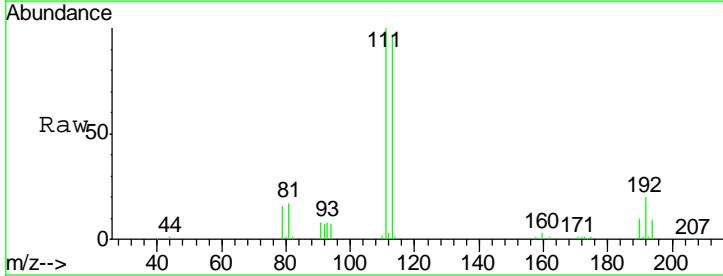
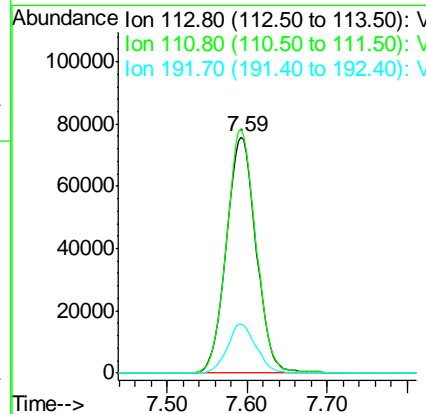
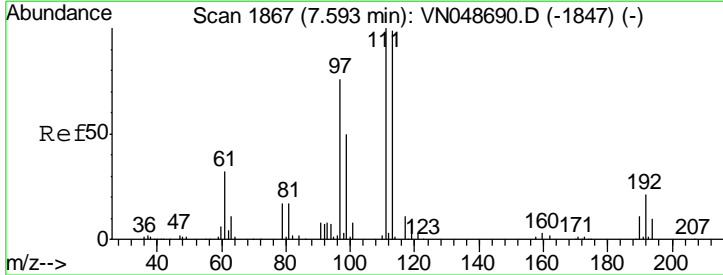
Instrument : MSVOA_N
 ClientSampled : 930-MW-01(23)

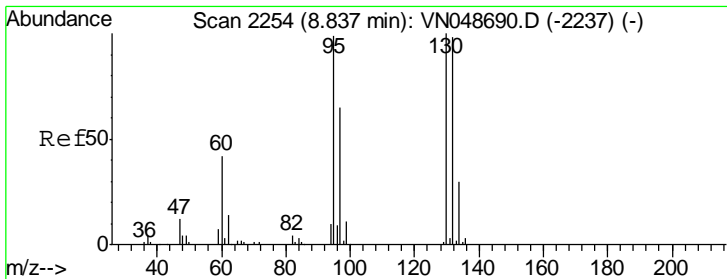
Tgt Ion	Resp	Lower	Upper
114	523548		
63	20.1	0.0	40.0
88	16.0	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 43.67 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

Tgt Ion	Resp	Lower	Upper
113	193633		
111	101.8	81.7	122.5
192	19.9	17.6	26.4

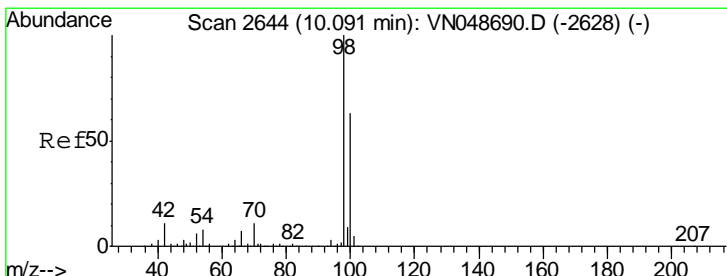
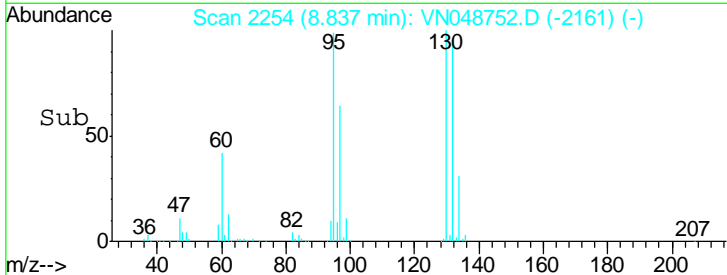
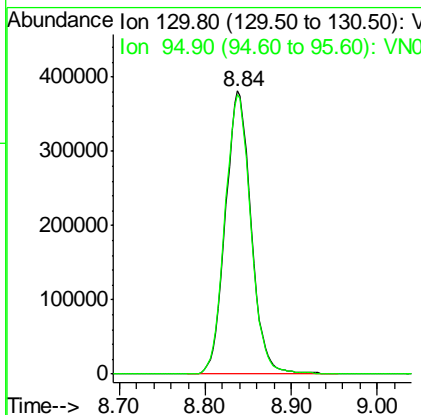
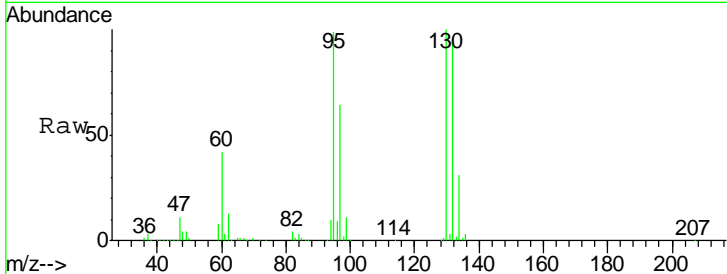




#44
 Trichloroethene
 Concen: 145.74 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

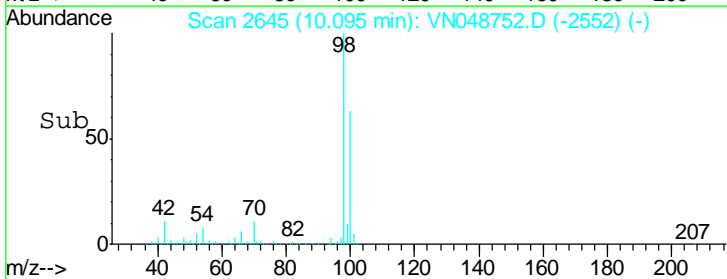
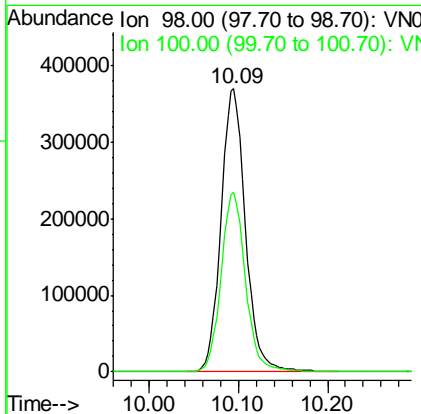
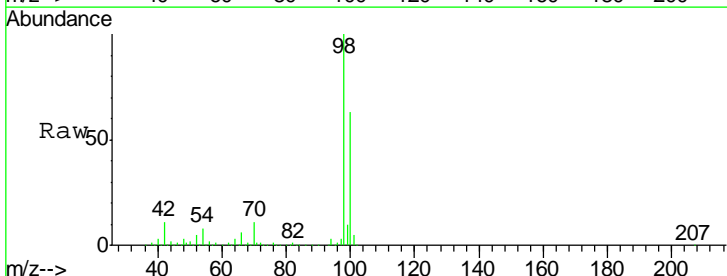
Instrument :
 MSVOA_N
 ClientSampled :
 930-MW-01(23)

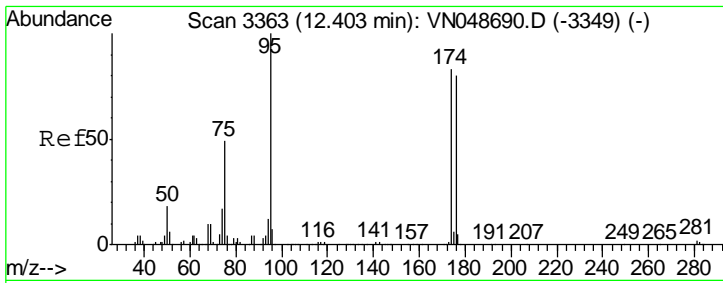
Tgt Ion	Resp	Lower	Upper
130	100		
95	99.0	0.0	191.6



#50
 Toluene-d8
 Concen: 42.84 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.2	51.2	76.8

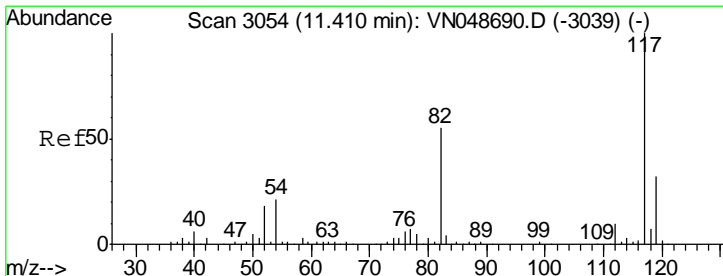
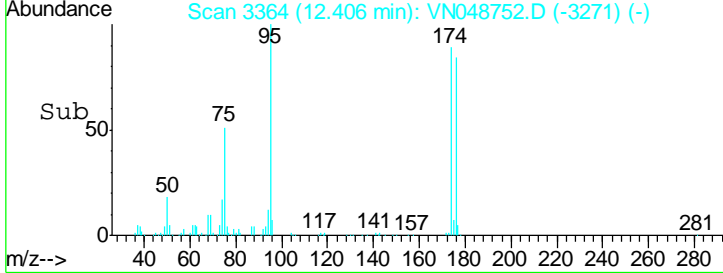
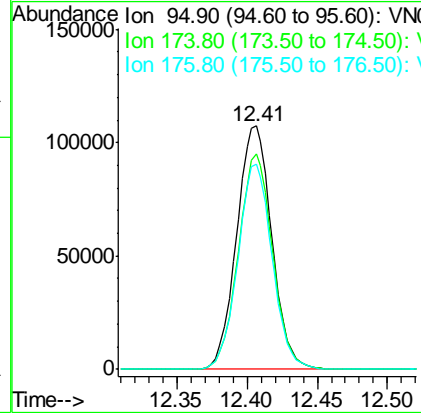
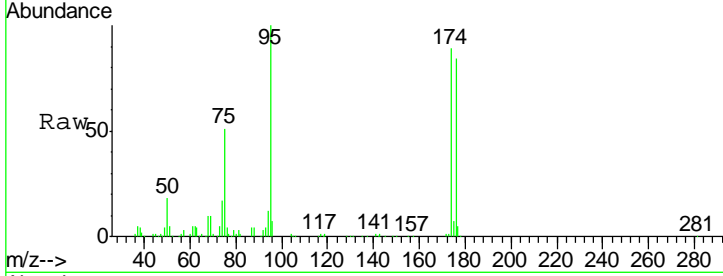




#62
 4-Bromofluorobenzene
 Concen: 33.07 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

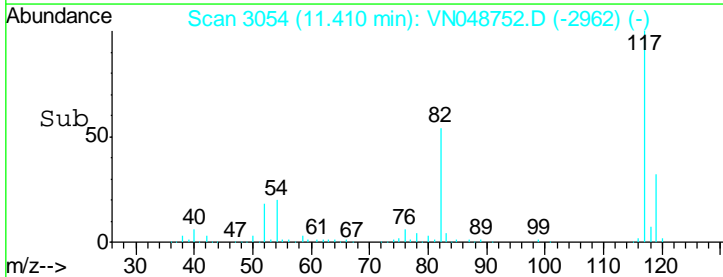
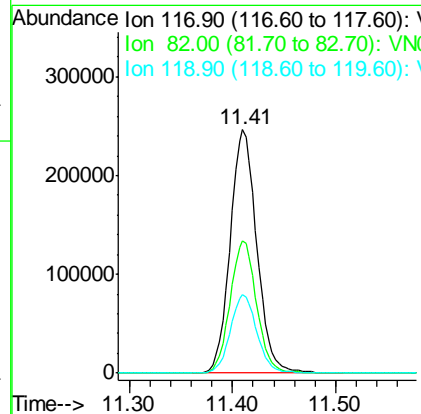
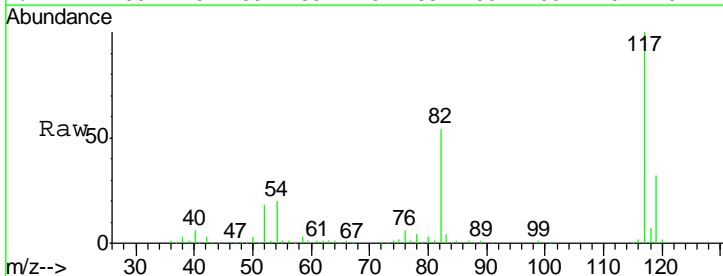
Instrument : MSVOA_N
 ClientSampled : 930-MW-01(23)

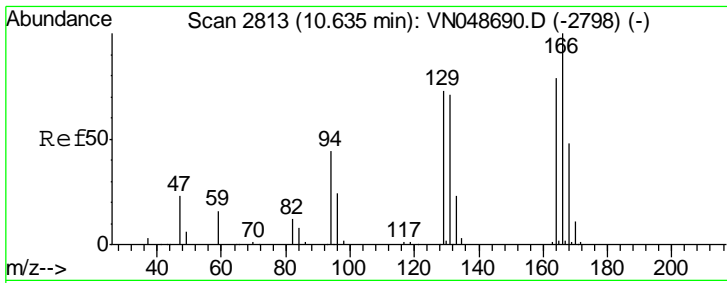
Tgt Ion	Resp	Lower	Upper
95	187048		
174	86.6	0.0	173.8
176	82.4	0.0	170.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

Tgt Ion	Resp	Lower	Upper
117	442956		
82	54.5	42.8	64.2
119	32.3	26.0	39.0



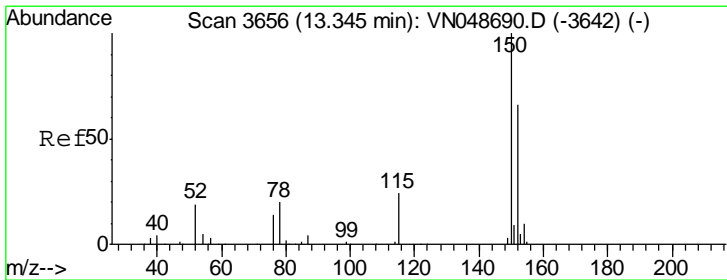
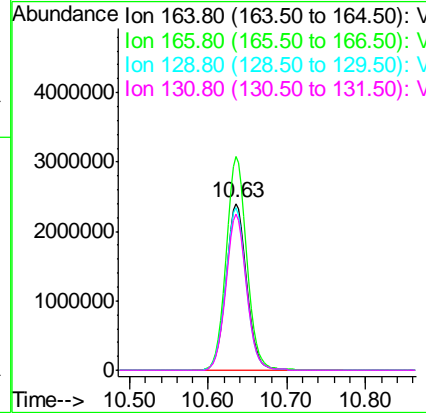
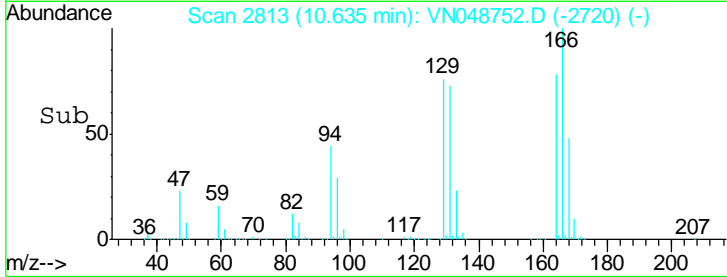
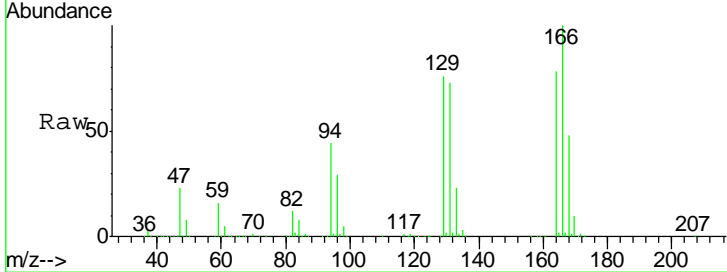


#64
 Tetrachloroethene
 Concen: 963.42 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

Instrument : MSVOA_N
 ClientSampleId : 930-MW-01(23)

Tgt Ion:164 Resp: 4320491

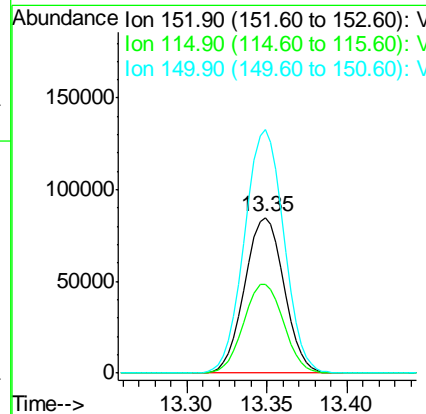
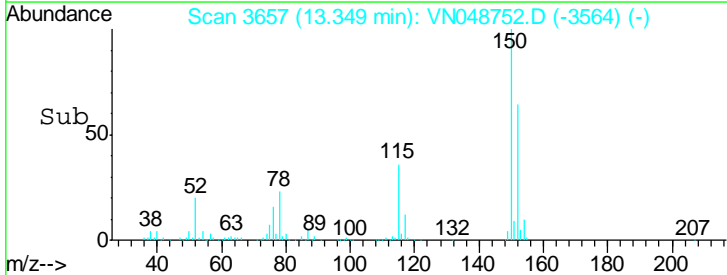
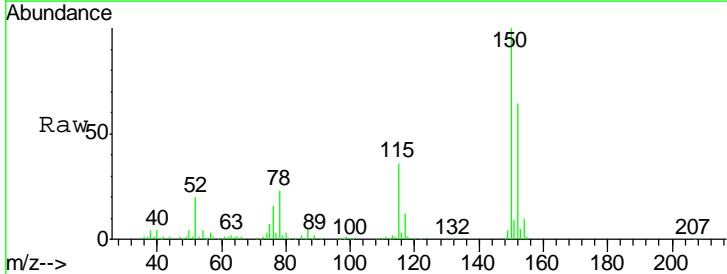
Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.7	154.1
129	97.3	74.3	111.5
131	93.6	71.4	107.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048752.D
 Acq: 30 May 2018 20:09

Tgt Ion:152 Resp: 142160

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.1	84.4
150	157.3	0.0	353.0



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048752.D
 Acq On : 30 May 2018 20:09
 Operator : MD\SY
 Sample : J3131-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 930-MW-01(23)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.661	3	22	44	rBV	453977	710389	2.19%	1.436%
2	6.831	1604	1630	1677	rBV	1349818	3932290	12.14%	7.947%
3	7.593	1848	1867	1878	rBV	248386	613704	1.89%	1.240%
4	7.667	1878	1890	1919	rVB	398932	962076	2.97%	1.944%
5	8.030	1984	2003	2029	rBV2	242786	574358	1.77%	1.161%
6	8.587	2161	2176	2203	rBV	535862	1169857	3.61%	2.364%
7	8.837	2236	2254	2294	rBV	2048409	4269888	13.18%	8.630%
8	10.095	2629	2645	2678	rBV	942475	1797652	5.55%	3.633%
9	10.635	2796	2813	2855	rVB	17998120	32388052	100.00%	65.457%
10	11.410	3040	3054	3083	rBV	719246	1292087	3.99%	2.611%
11	12.406	3351	3364	3384	rBV	535568	922059	2.85%	1.863%
12	13.349	3644	3657	3673	rBV	504034	847662	2.62%	1.713%

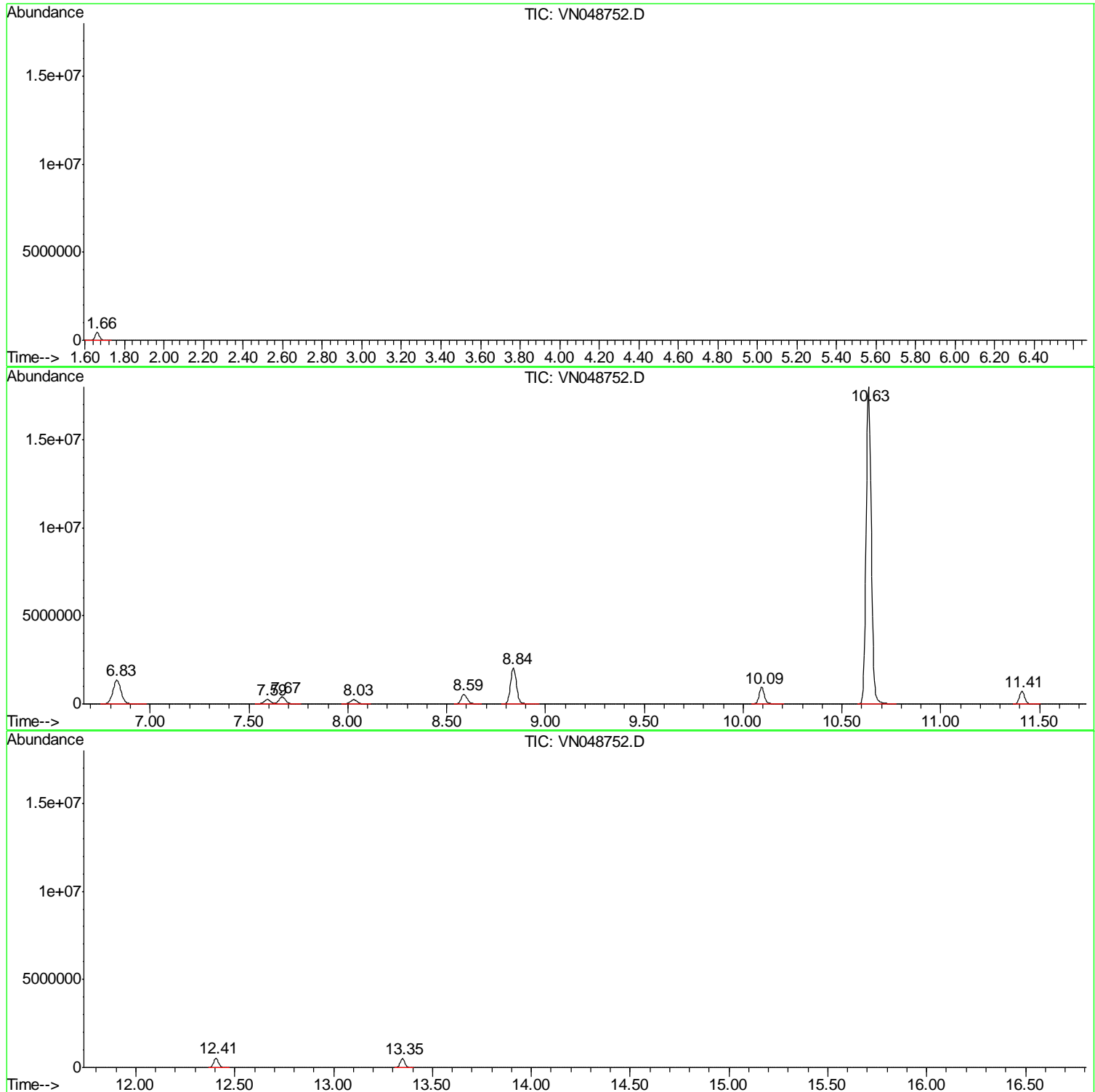
Sum of corrected areas: 49480074

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
Data File : VN048752.D
Acq On : 30 May 2018 20:09
Operator : MD\SY
Sample : J3131-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
930-MW-01(23)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
Data File : VN048752.D
Acq On : 30 May 2018 20:09
Operator : MD\SY
Sample : J3131-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
930-MW-01(23)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
 Data File : VN048752.D
 Acq On : 30 May 2018 20:09
 Operator : MD\SY
 Sample : J3131-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 930-MW-01(23)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	930-MW-01(23)DL	SDG No.:	J3131
Lab Sample ID:	J3131-02DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048795.D	20		05/31/18 16:45	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20	UD	4	4	20	ug/L
74-87-3	Chloromethane	20	UD	4	4	20	ug/L
75-01-4	Vinyl Chloride	20	UD	4	4	20	ug/L
74-83-9	Bromomethane	20	UD	4	4	20	ug/L
75-00-3	Chloroethane	20	UD	4	10	20	ug/L
75-69-4	Trichlorofluoromethane	20	UD	4	4	20	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20	UD	4	4	20	ug/L
75-35-4	1,1-Dichloroethene	20	UD	4	4	20	ug/L
67-64-1	Acetone	100	UD	10	20	100	ug/L
75-15-0	Carbon Disulfide	20	UD	4	4	20	ug/L
1634-04-4	Methyl tert-butyl Ether	20	UD	7	10	20	ug/L
79-20-9	Methyl Acetate	20	UD	4	10	20	ug/L
75-09-2	Methylene Chloride	20	UD	4	4	20	ug/L
156-60-5	trans-1,2-Dichloroethene	20	UD	4	4	20	ug/L
75-34-3	1,1-Dichloroethane	20	UD	4	4	20	ug/L
110-82-7	Cyclohexane	20	UD	4	4	20	ug/L
78-93-3	2-Butanone	100	UD	26.4	50	100	ug/L
56-23-5	Carbon Tetrachloride	20	UD	4	4	20	ug/L
156-59-2	cis-1,2-Dichloroethene	180	D	4	4	20	ug/L
74-97-5	Bromochloromethane	20	UD	4	10	20	ug/L
67-66-3	Chloroform	20	UD	4	4	20	ug/L
71-55-6	1,1,1-Trichloroethane	20	UD	4	4	20	ug/L
108-87-2	Methylcyclohexane	20	UD	4	4	20	ug/L
71-43-2	Benzene	20	UD	4	4	20	ug/L
107-06-2	1,2-Dichloroethane	20	UD	4	4	20	ug/L
79-01-6	Trichloroethene	140	D	4	4	20	ug/L
78-87-5	1,2-Dichloropropane	20	UD	4	4	20	ug/L
75-27-4	Bromodichloromethane	20	UD	4	4	20	ug/L
108-10-1	4-Methyl-2-Pentanone	100	UD	20	20	100	ug/L
108-88-3	Toluene	20	UD	4	4	20	ug/L
10061-02-6	t-1,3-Dichloropropene	20	UD	4	4	20	ug/L
10061-01-5	cis-1,3-Dichloropropene	20	UD	4	4	20	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	930-MW-01(23)DL	SDG No.:	J3131
Lab Sample ID:	J3131-02DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048795.D	20		05/31/18 16:45	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20	UD	4	4	20	ug/L
591-78-6	2-Hexanone	100	UD	38.8	50	100	ug/L
124-48-1	Dibromochloromethane	20	UD	4	4	20	ug/L
106-93-4	1,2-Dibromoethane	20	UD	4	4	20	ug/L
127-18-4	Tetrachloroethene	890	D	4	4	20	ug/L
108-90-7	Chlorobenzene	20	UD	4	4	20	ug/L
100-41-4	Ethyl Benzene	20	UD	4	4	20	ug/L
179601-23-1	m/p-Xylenes	40	UD	8	8	40	ug/L
95-47-6	o-Xylene	20	UD	4	4	20	ug/L
100-42-5	Styrene	20	UD	4	4	20	ug/L
75-25-2	Bromoform	20	UD	4	4	20	ug/L
98-82-8	Isopropylbenzene	20	UD	4	4	20	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20	UD	4	4	20	ug/L
541-73-1	1,3-Dichlorobenzene	20	UD	4	4	20	ug/L
106-46-7	1,4-Dichlorobenzene	20	UD	4	4	20	ug/L
95-50-1	1,2-Dichlorobenzene	20	UD	4	4	20	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20	UD	4	4	20	ug/L
120-82-1	1,2,4-Trichlorobenzene	20	UD	4	4	20	ug/L
87-61-6	1,2,3-Trichlorobenzene	20	UD	4	4	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.4		61 - 141		109%	SPK: 50
1868-53-7	Dibromofluoromethane	54		69 - 133		108%	SPK: 50
2037-26-5	Toluene-d8	53		65 - 126		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.2		58 - 135		80%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	280636	7.67				
540-36-3	1,4-Difluorobenzene	435184	8.59				
3114-55-4	Chlorobenzene-d5	376003	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	118494	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	930-MW-01(23)DL	SDG No.:	J3131
Lab Sample ID:	J3131-02DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048795.D	20		05/31/18 16:45	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048795.D
 Acq On : 31 May 2018 16:45
 Operator : MD\SY
 Sample : J3131-02DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 930-MW-01(23)DL

Quant Time: May 31 17:28:50 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

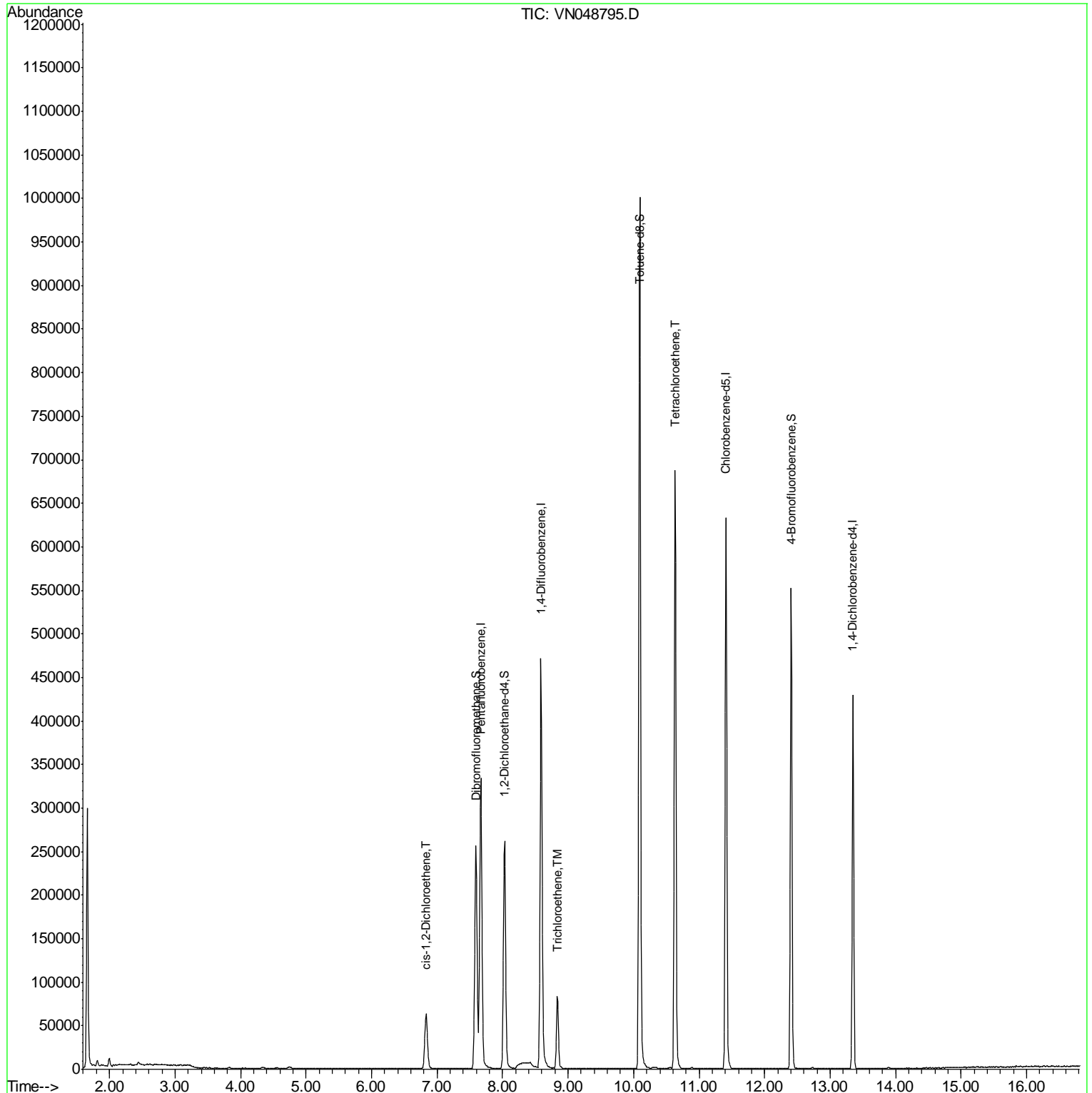
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	280636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	435184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	376003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	118494	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	221751	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
35) Dibromofluoromethane	7.59	113	198947	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
50) Toluene-d8	10.09	98	722200	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.41	95	188892	40.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.34%	
Target Compounds						
27) cis-1,2-Dichloroethene	6.83	96	38887	8.82	ug/l	91
44) Trichloroethene	8.84	130	32303	7.15	ug/l	94
64) Tetrachloroethene	10.63	164	168588	44.29	ug/l	98

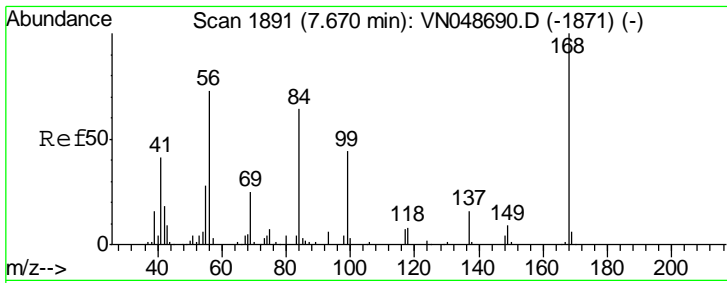
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
Data File : VN048795.D
Acq On : 31 May 2018 16:45
Operator : MD\SY
Sample : J3131-02DL 20X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
930-MW-01(23)DL

Quant Time: May 31 17:28:50 2018
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260
QLast Update : Wed May 30 01:24:39 2018
Response via : Initial Calibration

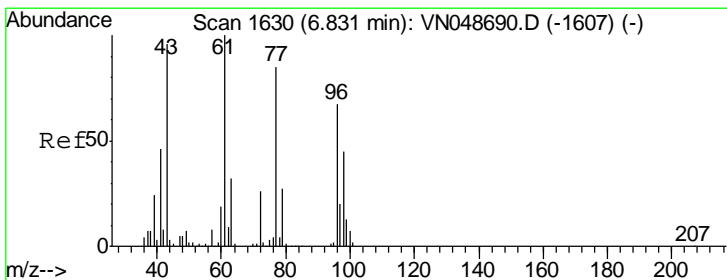
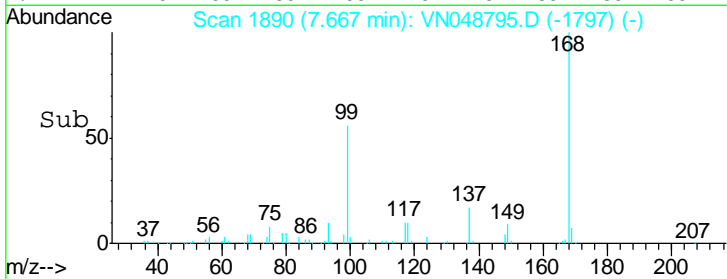
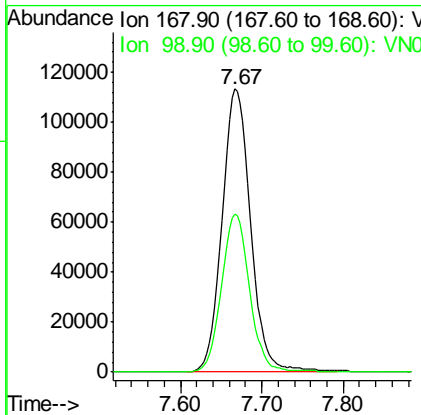
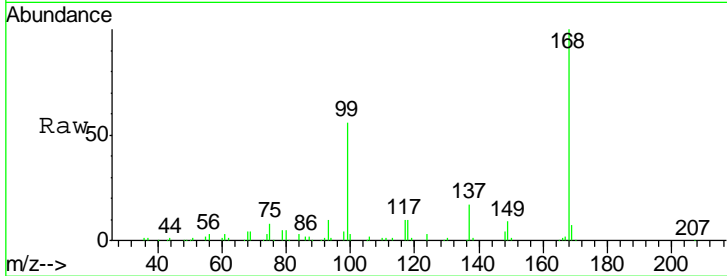




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN048795.D
 Acq: 31 May 2018 16:45

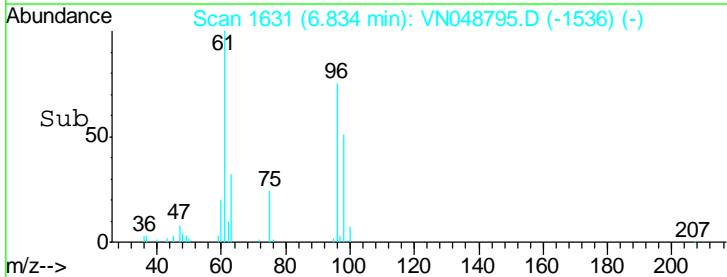
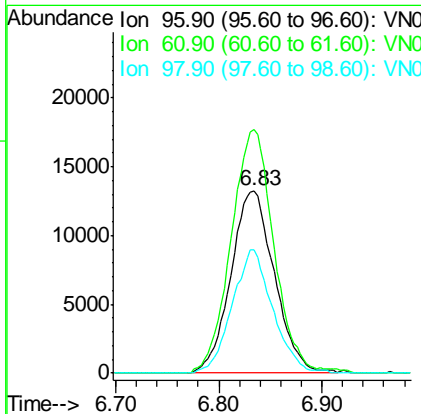
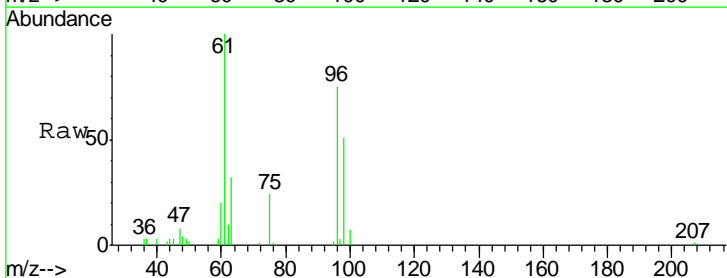
Instrument :
 MSVOA_N
 ClientSampleId :
 930-MW-01(23)DL

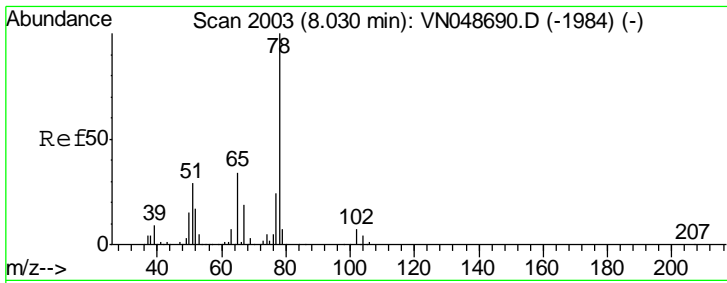
Tgt Ion	Resp	Lower	Upper
168	100		
99	55.7	40.8	61.2



#27
 cis-1,2-Dichloroethene
 Concen: 8.82 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: VN048795.D
 Acq: 31 May 2018 16:45

Tgt Ion	Resp	Lower	Upper
96	100		
61	131.7	0.0	292.6
98	62.7	0.0	128.2

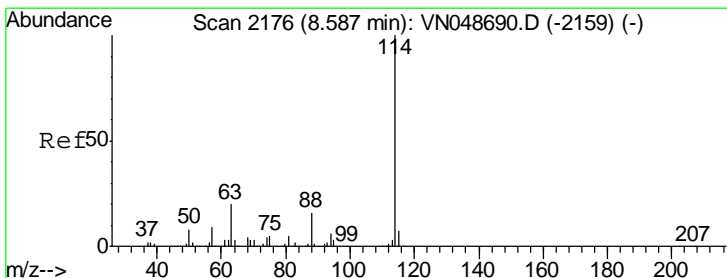
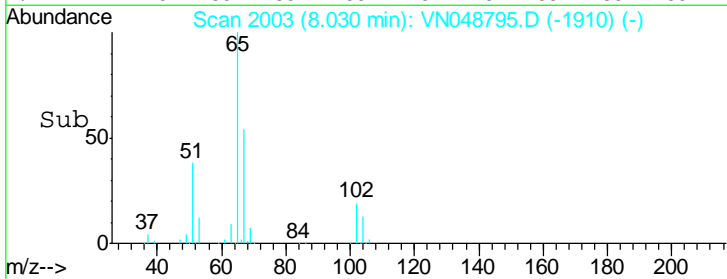
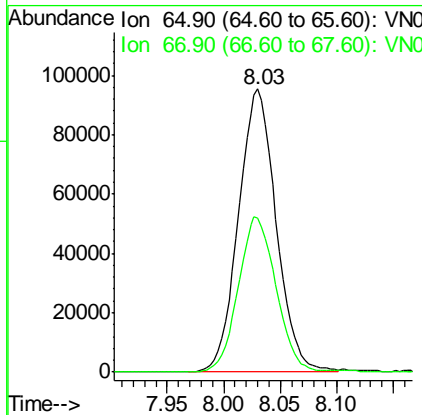
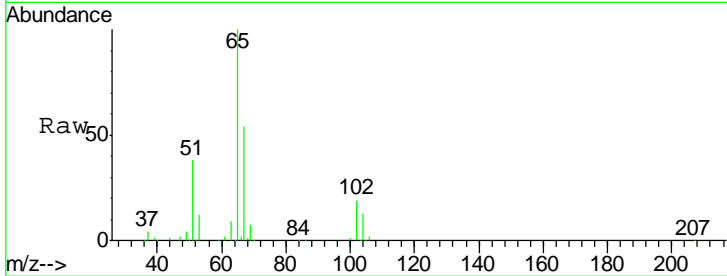




#33
 1,2-Dichloroethane-d4
 Concen: 54.37 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN048795.D
 Acq: 31 May 2018 16:45

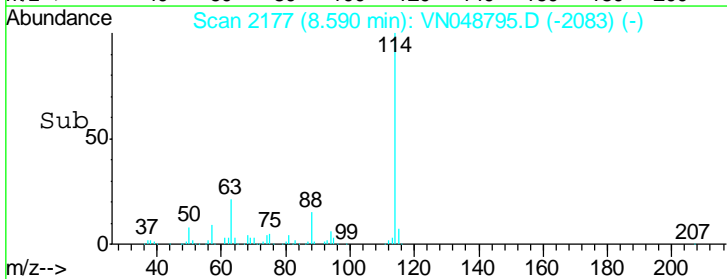
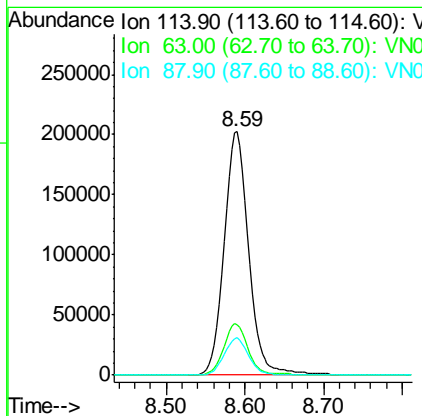
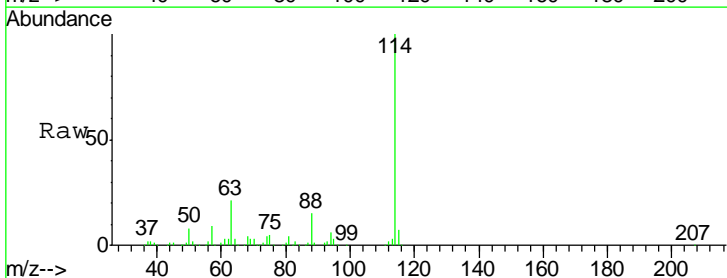
Instrument : MSVOA_N
 ClientSampled : 930-MW-01(23)DL

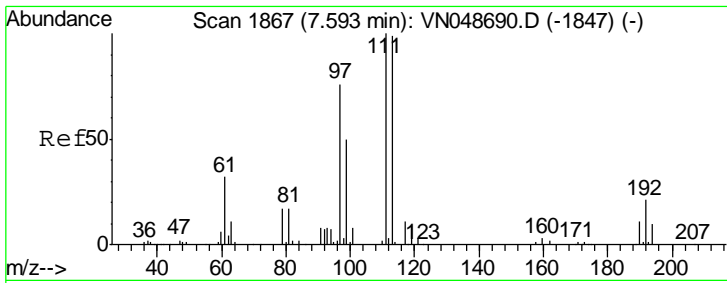
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.7	0.0	108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048795.D
 Acq: 31 May 2018 16:45

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.8	0.0	40.0
88	15.3	0.0	31.0

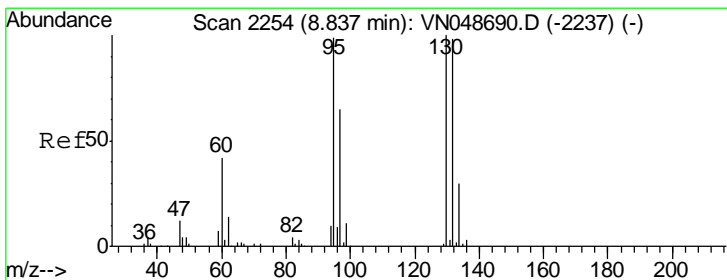
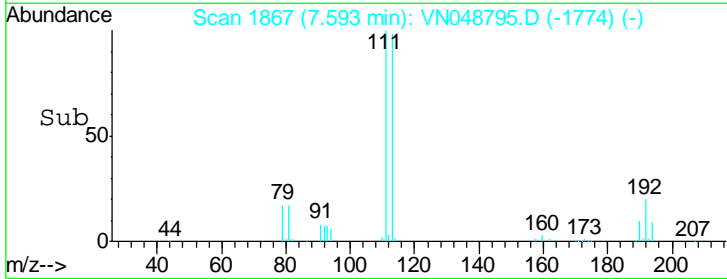
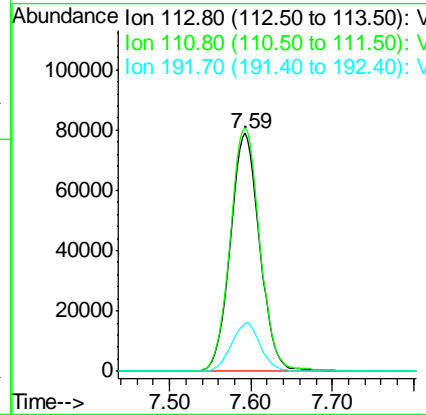
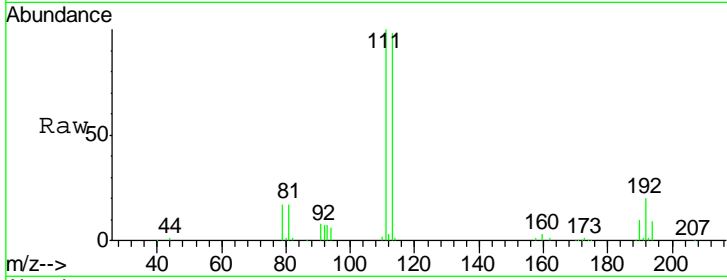




#35
 Dibromofluoromethane
 Concen: 53.98 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN048795.D
 Acq: 31 May 2018 16:45

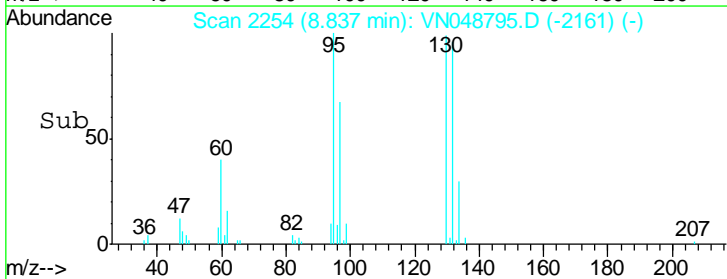
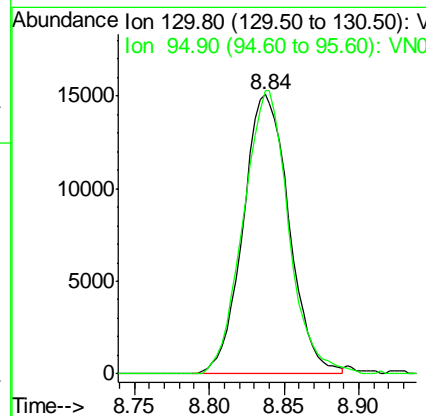
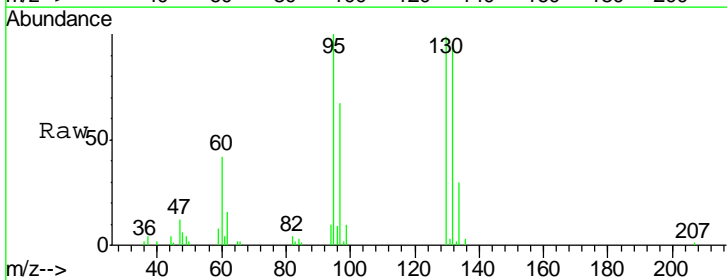
Instrument :
 MSVOA_N
 ClientSampled :
 930-MW-01(23)DL

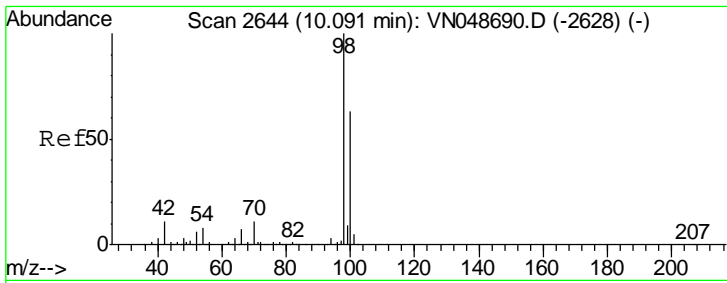
Tgt Ion	Resp	Lower	Upper
113	198947		
111	104.1	81.7	122.5
192	20.1	17.6	26.4



#44
 Trichloroethene
 Concen: 7.15 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN048795.D
 Acq: 31 May 2018 16:45

Tgt Ion	Resp	Lower	Upper
130	32303		
95	101.4	0.0	191.6

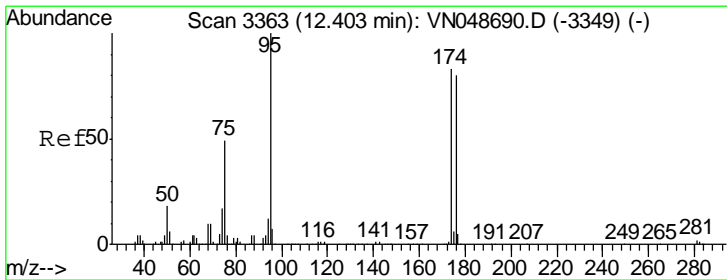
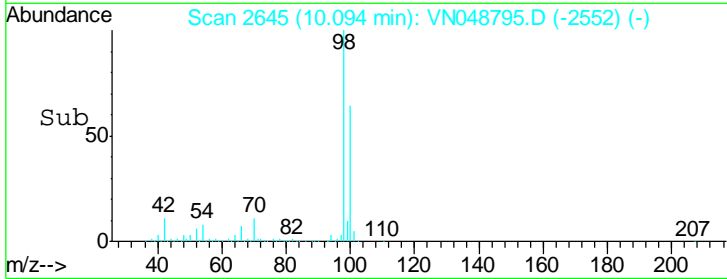
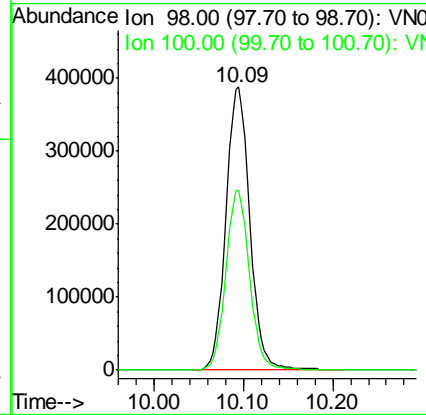
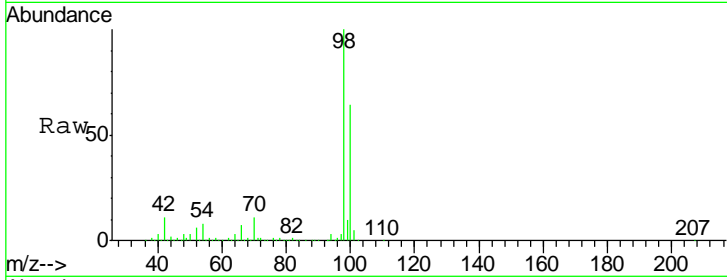




#50
 Toluene-d8
 Concen: 53.01 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VN048795.D
 Acq: 31 May 2018 16:45

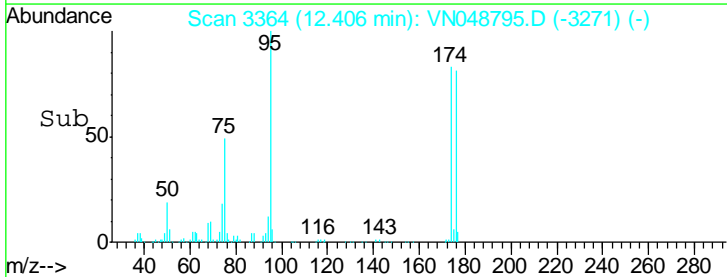
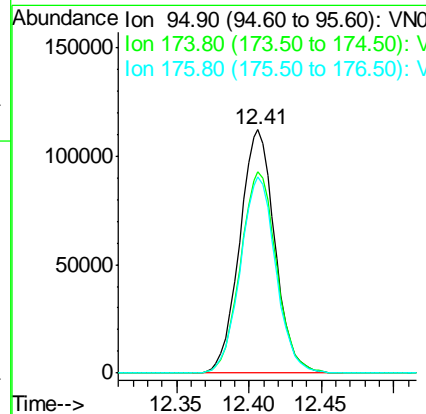
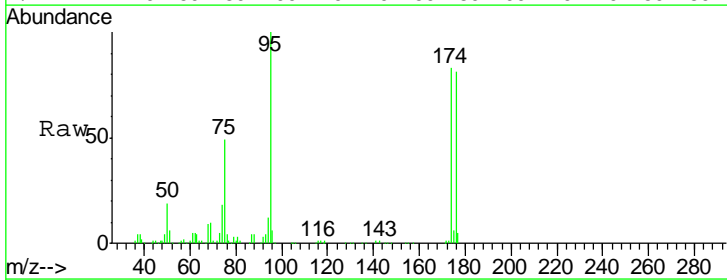
Instrument :
 MSVOA_N
 ClientSampled :
 930-MW-01(23)DL

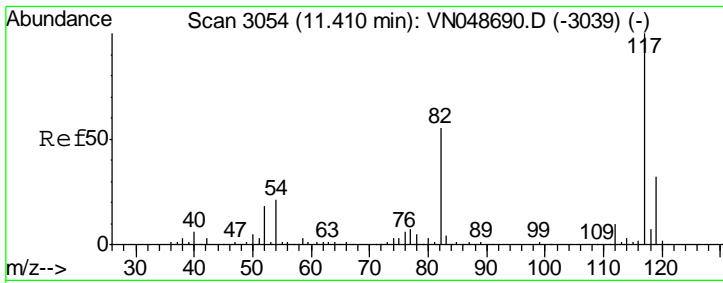
Tgt Ion: 98 Resp: 722200
 Ion Ratio Lower Upper
 98 100
 100 63.0 51.2 76.8



#62
 4-Bromofluorobenzene
 Concen: 40.17 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. -0.00 min
 Lab File: VN048795.D
 Acq: 31 May 2018 16:45

Tgt Ion: 95 Resp: 188892
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 173.8
 176 81.0 0.0 170.0

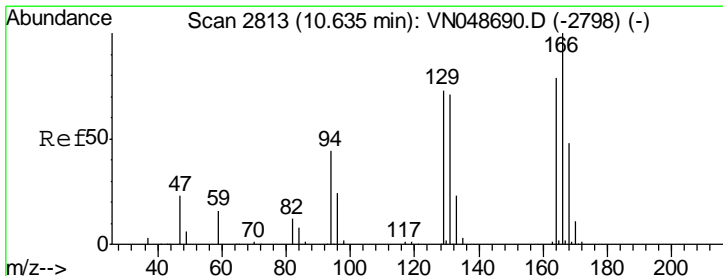
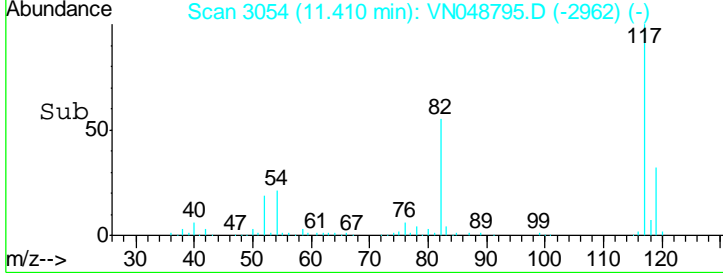
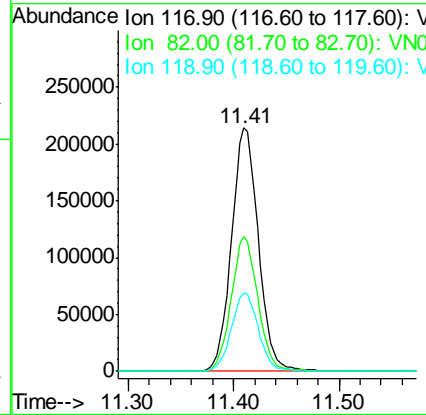
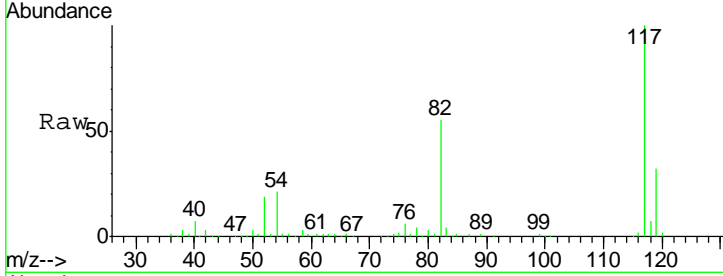




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048795.D
 Acq: 31 May 2018 16:45

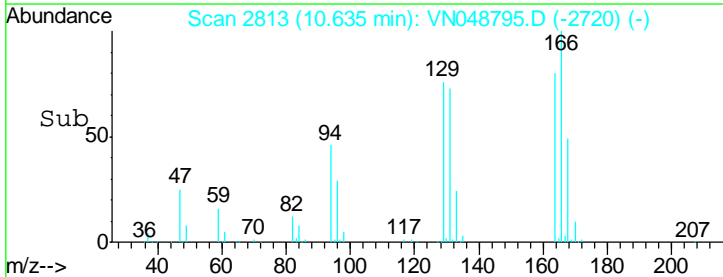
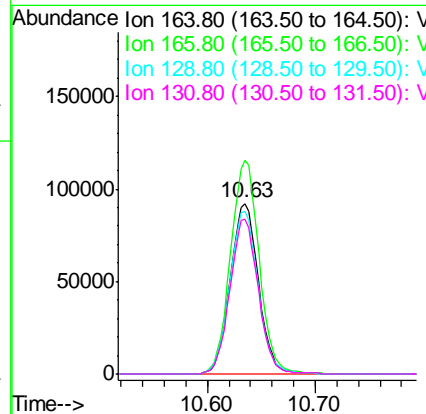
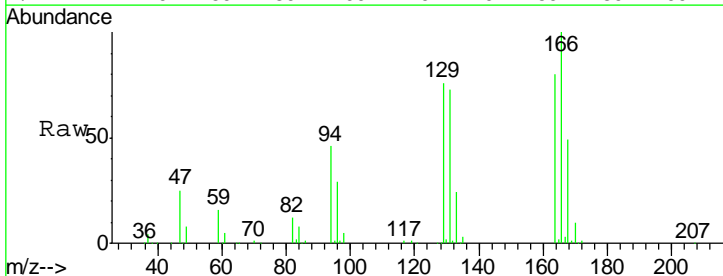
Instrument : MSVOA_N
 ClientSampleId : 930-MW-01(23)DL

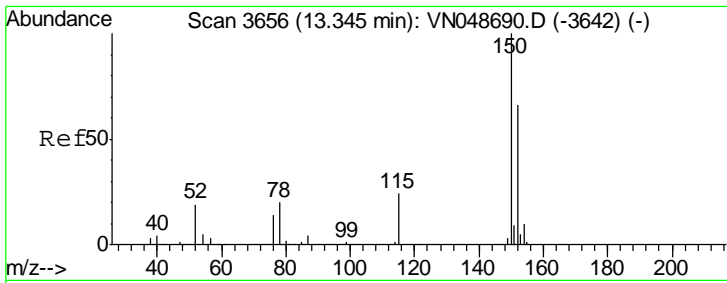
Tgt Ion	Resp	Lower	Upper
117	376003		
82	55.3	42.8	64.2
119	32.4	26.0	39.0



#64
 Tetrachloroethene
 Concen: 44.29 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: VN048795.D
 Acq: 31 May 2018 16:45

Tgt Ion	Resp	Lower	Upper
164	168588		
166	125.4	102.7	154.1
129	95.5	74.3	111.5
131	91.1	71.4	107.0

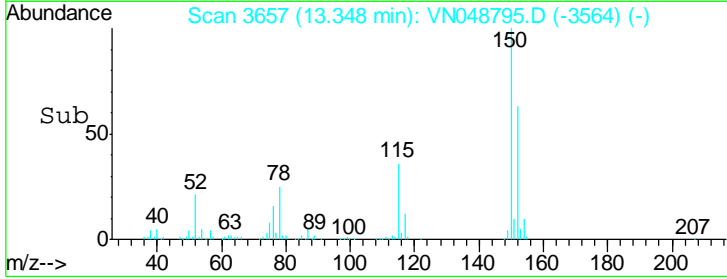
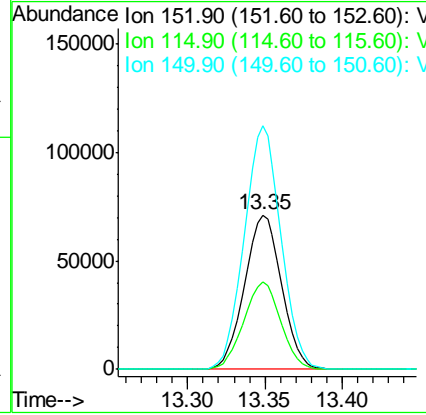
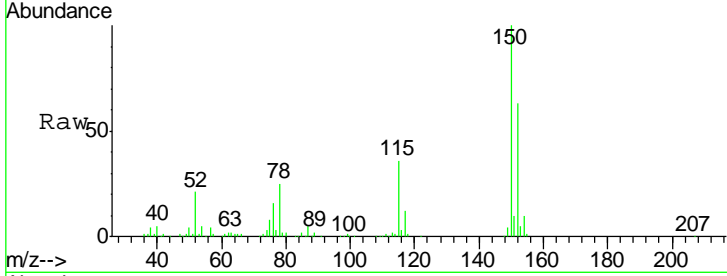




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. -0.00 min
 Lab File: VN048795.D
 Acq: 31 May 2018 16:45

Instrument : MSVOA_N
 ClientSampled : 930-MW-01(23)DL

Tot Ion	Resp	Lower	Upper
152	118494		
152	100		
115	56.5	28.1	84.4
150	155.8	0.0	353.0





284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	931-MW-03A(17)	SDG No.:	J3131
Lab Sample ID:	J3131-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048742.D	10		05/30/18 15:51	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10	U	2	2	10	ug/L
74-87-3	Chloromethane	10	U	2	2	10	ug/L
75-01-4	Vinyl Chloride	10	U	2	2	10	ug/L
74-83-9	Bromomethane	10	U	2	2	10	ug/L
75-00-3	Chloroethane	10	U	2	5	10	ug/L
75-69-4	Trichlorofluoromethane	10	U	2	2	10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	2	2	10	ug/L
75-35-4	1,1-Dichloroethene	10	U	2	2	10	ug/L
67-64-1	Acetone	50	U	5	10	50	ug/L
75-15-0	Carbon Disulfide	10	U	2	2	10	ug/L
1634-04-4	Methyl tert-butyl Ether	10	U	3.5	5	10	ug/L
79-20-9	Methyl Acetate	10	U	2	5	10	ug/L
75-09-2	Methylene Chloride	10	U	2	2	10	ug/L
156-60-5	trans-1,2-Dichloroethene	10	U	2	2	10	ug/L
75-34-3	1,1-Dichloroethane	10	U	2	2	10	ug/L
110-82-7	Cyclohexane	10	U	2	2	10	ug/L
78-93-3	2-Butanone	50	U	13.2	25	50	ug/L
56-23-5	Carbon Tetrachloride	10	U	2	2	10	ug/L
156-59-2	cis-1,2-Dichloroethene	110		2	2	10	ug/L
74-97-5	Bromochloromethane	10	U	2	5	10	ug/L
67-66-3	Chloroform	10	U	2	2	10	ug/L
71-55-6	1,1,1-Trichloroethane	10	U	2	2	10	ug/L
108-87-2	Methylcyclohexane	10	U	2	2	10	ug/L
71-43-2	Benzene	10	U	2	2	10	ug/L
107-06-2	1,2-Dichloroethane	10	U	2	2	10	ug/L
79-01-6	Trichloroethene	81		2	2	10	ug/L
78-87-5	1,2-Dichloropropane	10	U	2	2	10	ug/L
75-27-4	Bromodichloromethane	10	U	2	2	10	ug/L
108-10-1	4-Methyl-2-Pentanone	50	U	10	10	50	ug/L
108-88-3	Toluene	10	U	2	2	10	ug/L
10061-02-6	t-1,3-Dichloropropene	10	U	2	2	10	ug/L
10061-01-5	cis-1,3-Dichloropropene	10	U	2	2	10	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	931-MW-03A(17)	SDG No.:	J3131
Lab Sample ID:	J3131-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048742.D	10		05/30/18 15:51	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10	U	2	2	10	ug/L
591-78-6	2-Hexanone	50	U	19.4	25	50	ug/L
124-48-1	Dibromochloromethane	10	U	2	2	10	ug/L
106-93-4	1,2-Dibromoethane	10	U	2	2	10	ug/L
127-18-4	Tetrachloroethene	620		2	2	10	ug/L
108-90-7	Chlorobenzene	10	U	2	2	10	ug/L
100-41-4	Ethyl Benzene	10	U	2	2	10	ug/L
179601-23-1	m/p-Xylenes	20	U	4	4	20	ug/L
95-47-6	o-Xylene	10	U	2	2	10	ug/L
100-42-5	Styrene	10	U	2	2	10	ug/L
75-25-2	Bromoform	10	U	2	2	10	ug/L
98-82-8	Isopropylbenzene	10	U	2	2	10	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10	U	2	2	10	ug/L
541-73-1	1,3-Dichlorobenzene	10	U	2	2	10	ug/L
106-46-7	1,4-Dichlorobenzene	10	U	2	2	10	ug/L
95-50-1	1,2-Dichlorobenzene	10	U	2	2	10	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	2	2	10	ug/L
120-82-1	1,2,4-Trichlorobenzene	10	U	2	2	10	ug/L
87-61-6	1,2,3-Trichlorobenzene	10	U	2	2	10	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	39.8		61 - 141		80%	SPK: 50
1868-53-7	Dibromofluoromethane	42.2		69 - 133		84%	SPK: 50
2037-26-5	Toluene-d8	42.9		65 - 126		86%	SPK: 50
460-00-4	4-Bromofluorobenzene	34		58 - 135		68%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	413815	7.67				
540-36-3	1,4-Difluorobenzene	620100	8.59				
3114-55-4	Chlorobenzene-d5	527976	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	180024	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	931-MW-03A(17)	SDG No.:	J3131
Lab Sample ID:	J3131-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048742.D	10		05/30/18 15:51	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048742.D
 Acq On : 30 May 2018 15:51
 Operator : MD\SY
 Sample : J3131-03 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 931-MW-03A(17)

Quant Time: May 31 07:55:13 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

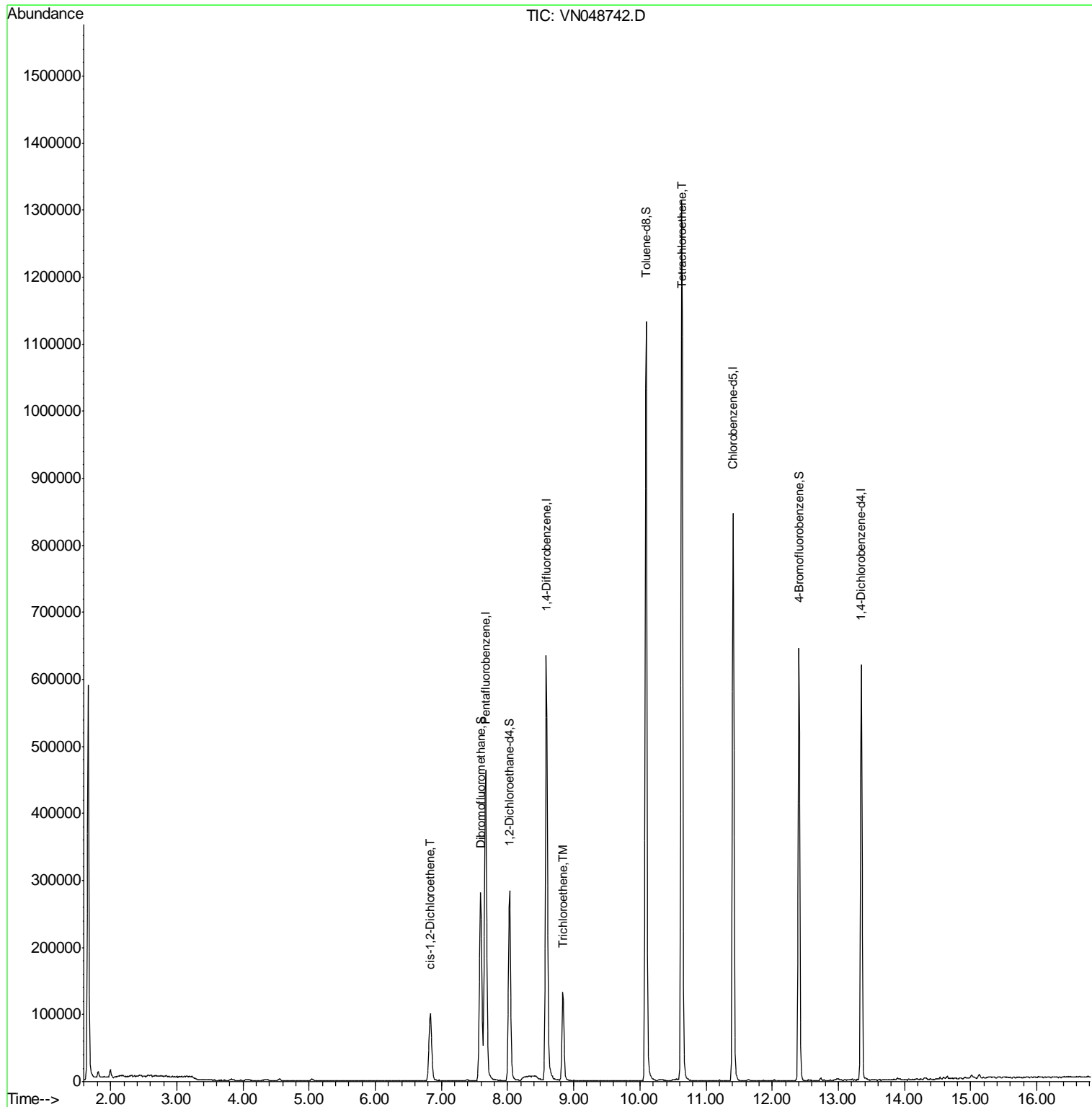
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	413815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	620100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	527976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	180024	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	239572	39.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.68%	
35) Dibromofluoromethane	7.59	113	221593	42.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.38%	
50) Toluene-d8	10.09	98	833598	42.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.88%	
62) 4-Bromofluorobenzene	12.41	95	227555	33.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.92%	
Target Compounds						
27) cis-1,2-Dichloroethene	6.83	96	71048	10.93	ug/l	87
44) Trichloroethene	8.84	130	52108	8.10	ug/l	97
64) Tetrachloroethene	10.63	164	331716	62.06	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

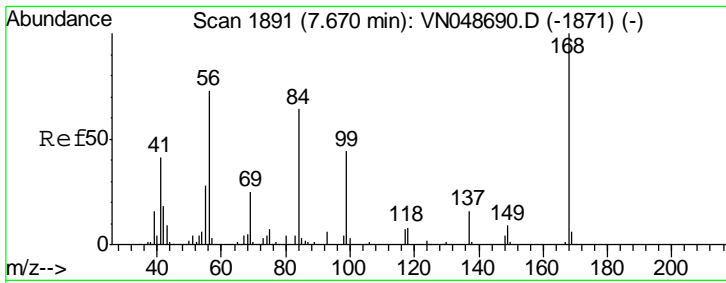
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048742.D
 Acq On : 30 May 2018 15:51
 Operator : MD\SY
 Sample : J3131-03 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 931-MW-03A(17)

Quant Time: May 31 07:55:13 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



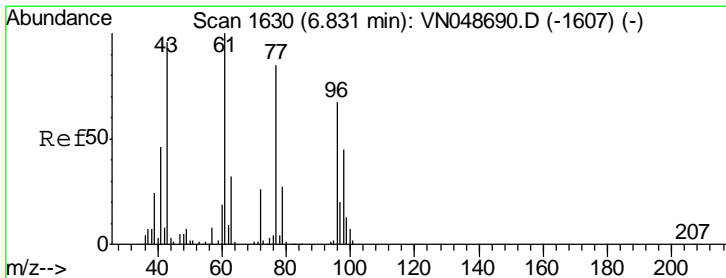
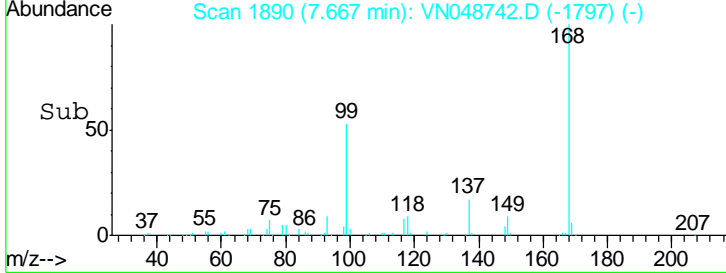
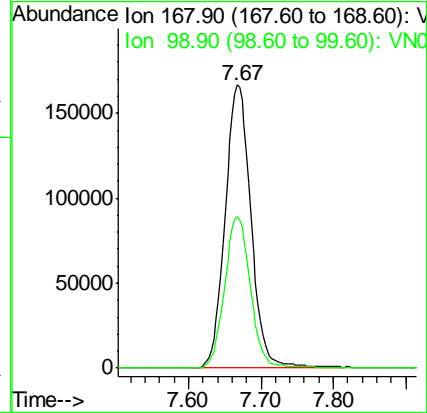
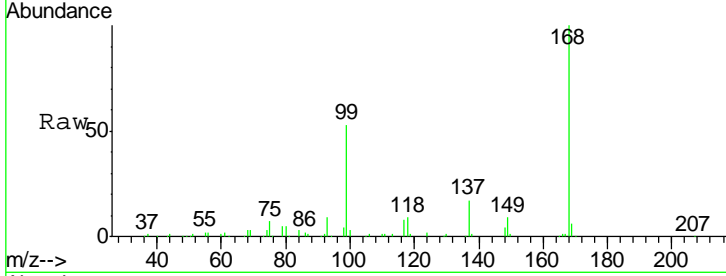
- 1
- 2
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- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048742.D
 Acq: 30 May 2018 15:51

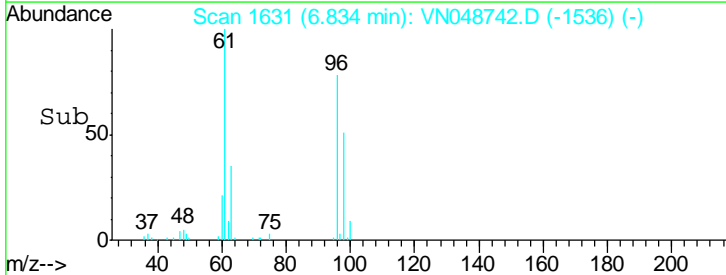
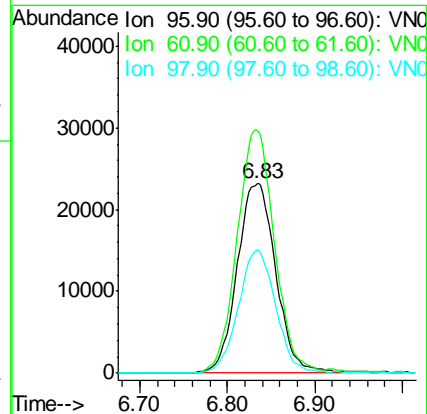
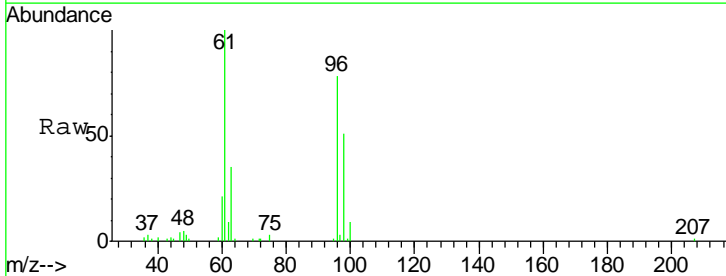
Instrument : MSVOA_N
 ClientSampled : 931-MW-03A(17)

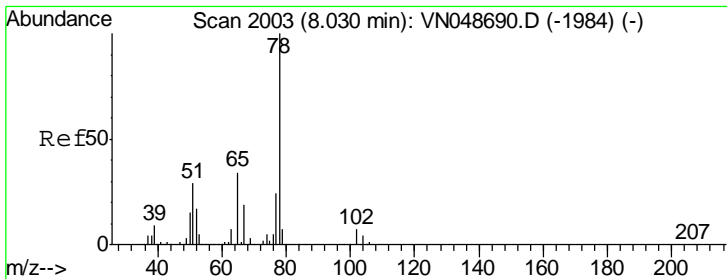
Tgt Ion	Resp	Lower	Upper
168	413815		
99	53.4	40.8	61.2



#27
 cis-1,2-Dichloroethene
 Concen: 10.93 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: VN048742.D
 Acq: 30 May 2018 15:51

Tgt Ion	Resp	Lower	Upper
96	71048		
61	124.1	0.0	292.6
98	62.5	0.0	128.2

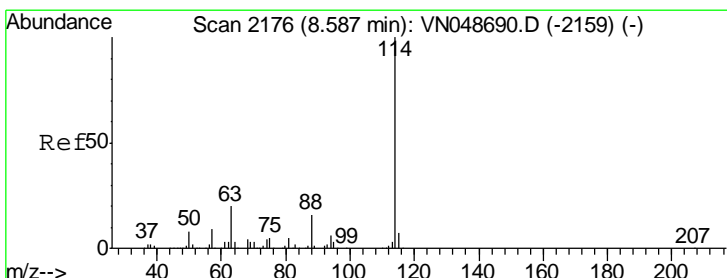
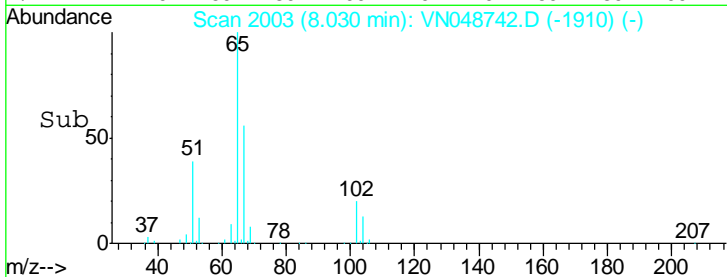
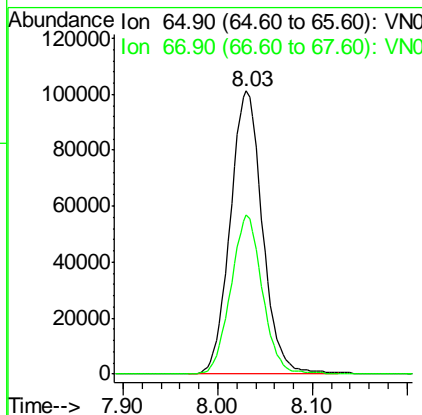
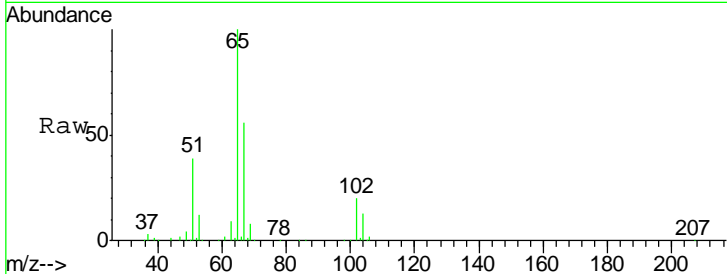




#33
 1,2-Dichloroethane-d4
 Concen: 39.84 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048742.D
 Acq: 30 May 2018 15:51

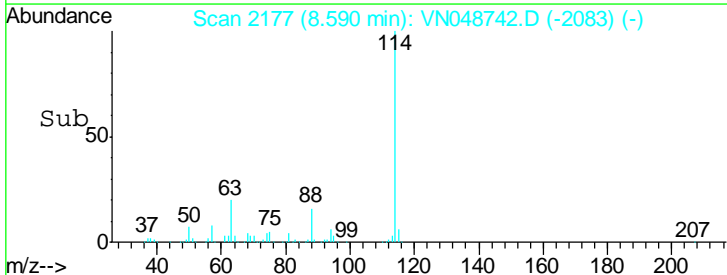
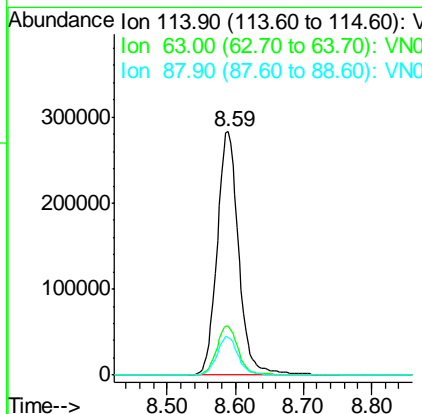
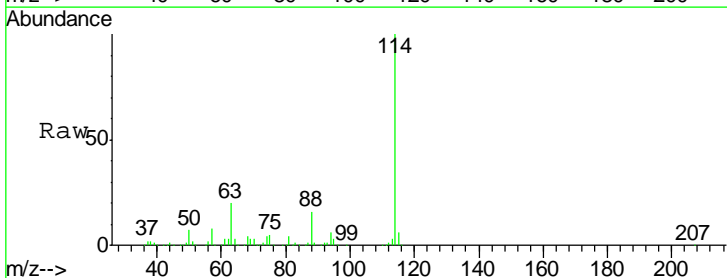
Instrument :
 MSVOA_N
 ClientSampleId :
 931-MW-03A(17)

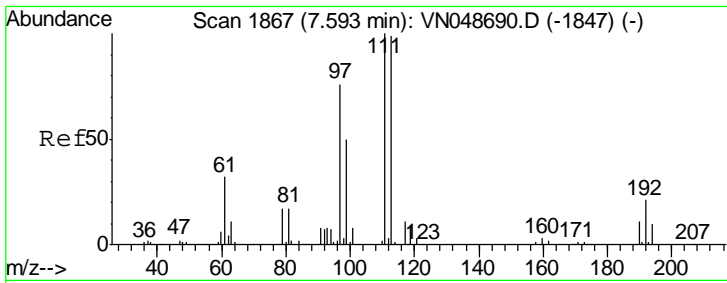
Tgt Ion	Resp	Lower	Upper
65	100		
67	55.0	0.0	108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048742.D
 Acq: 30 May 2018 15:51

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	15.5	0.0	31.0

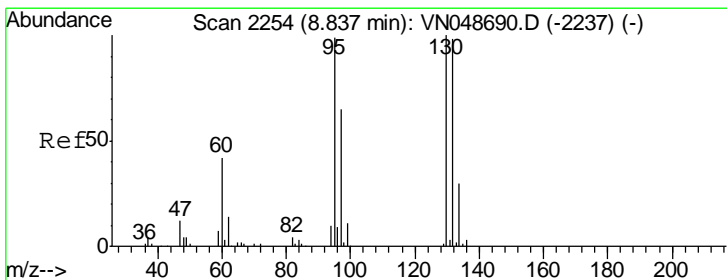
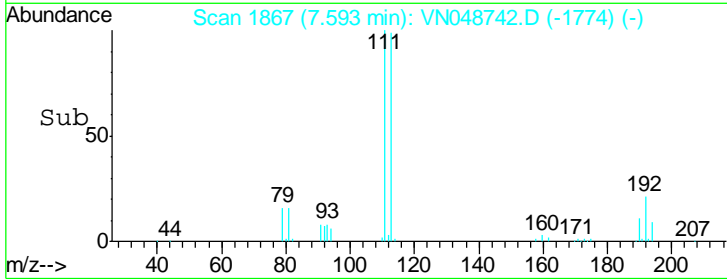
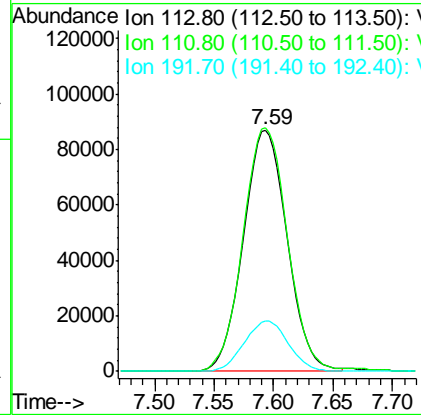
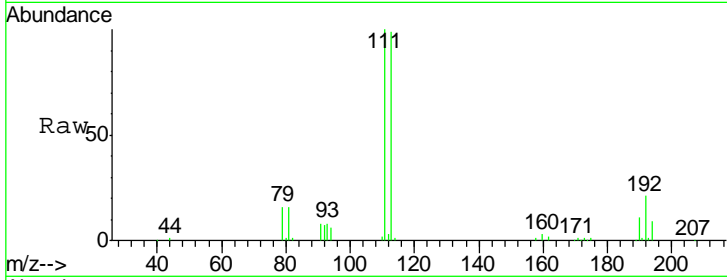




#35
 Dibromofluoromethane
 Concen: 42.19 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048742.D
 Acq: 30 May 2018 15:51

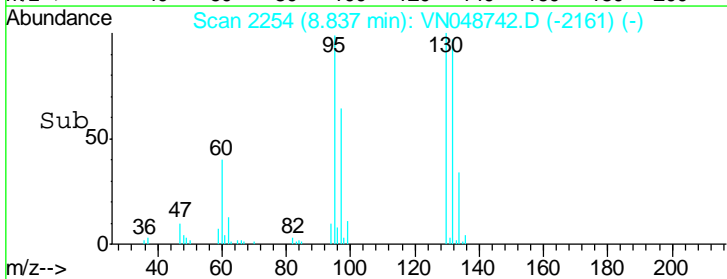
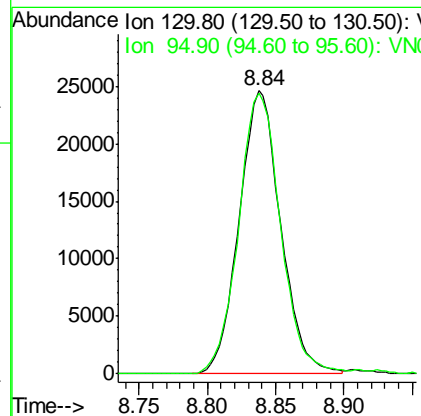
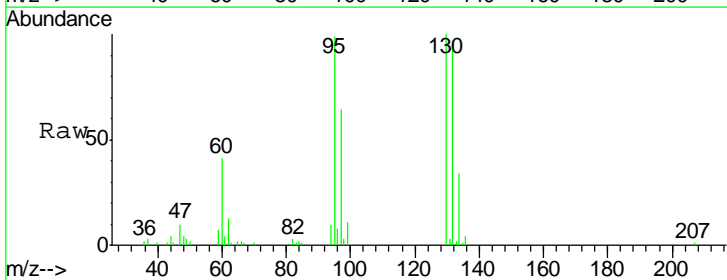
Instrument : MSVOA_N
 ClientSampleId : 931-MW-03A(17)

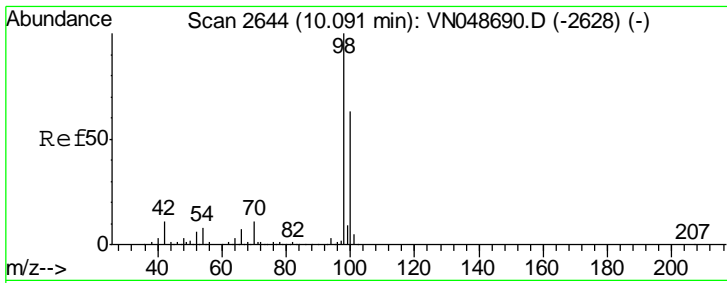
Tgt Ion	Resp	Lower	Upper
113	100		
111	103.2	81.7	122.5
192	21.1	17.6	26.4



#44
 Trichloroethene
 Concen: 8.10 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048742.D
 Acq: 30 May 2018 15:51

Tgt Ion	Resp	Lower	Upper
130	100		
95	99.0	0.0	191.6

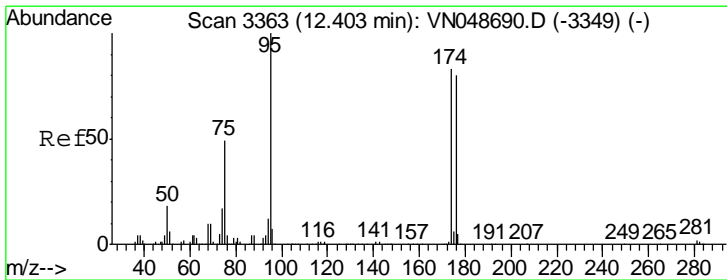
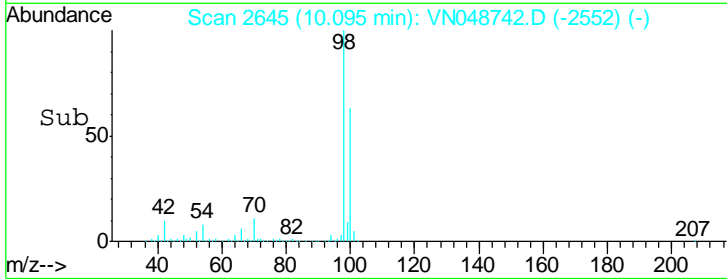
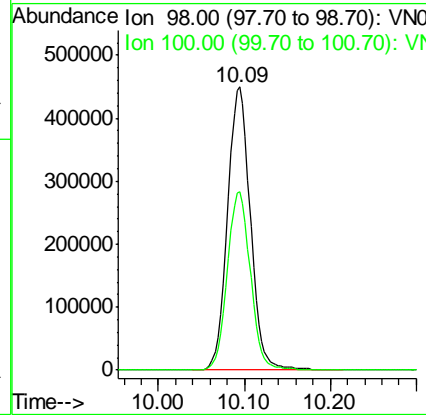
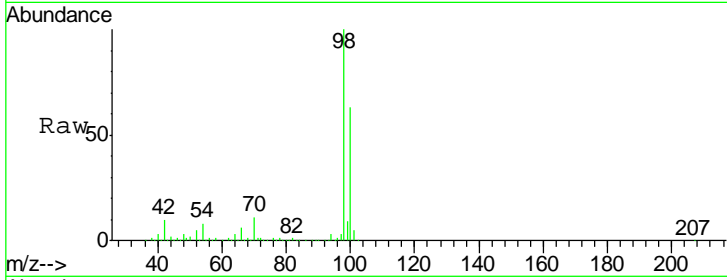




#50
 Toluene-d8
 Concen: 42.94 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048742.D
 Acq: 30 May 2018 15:51

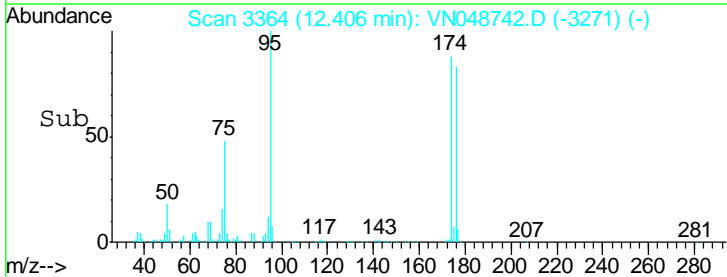
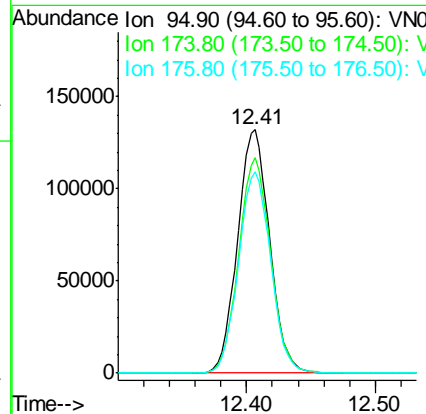
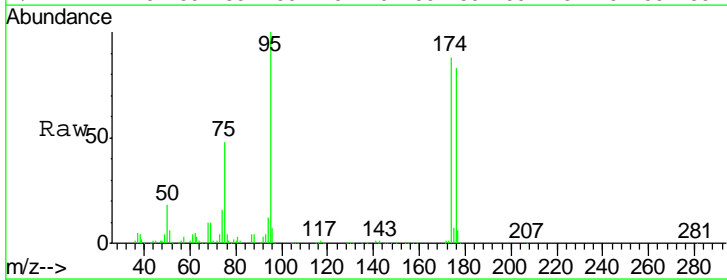
Instrument :
 MSVOA_N
 ClientSampled :
 931-MW-03A(17)

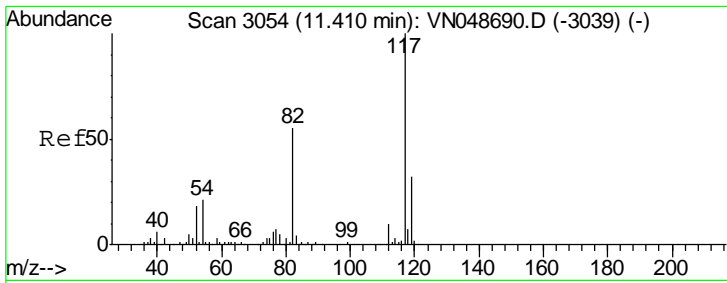
Tgt Ion	Resp	Lower	Upper
98	833598		
98	100		
100	63.8	51.2	76.8



#62
 4-Bromofluorobenzene
 Concen: 33.96 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN048742.D
 Acq: 30 May 2018 15:51

Tgt Ion	Resp	Lower	Upper
95	227555		
95	100		
174	88.3	0.0	173.8
176	83.2	0.0	170.0

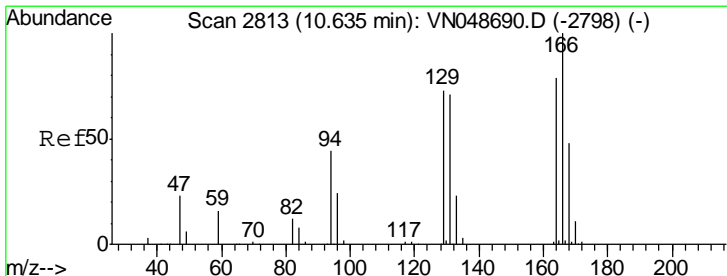
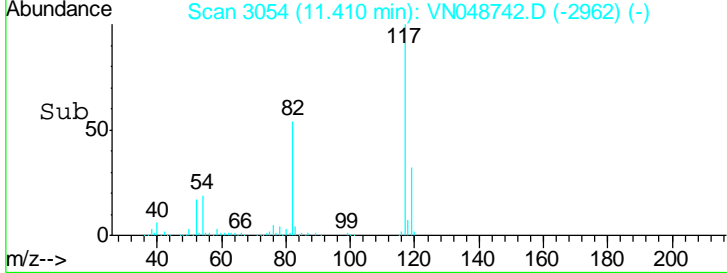
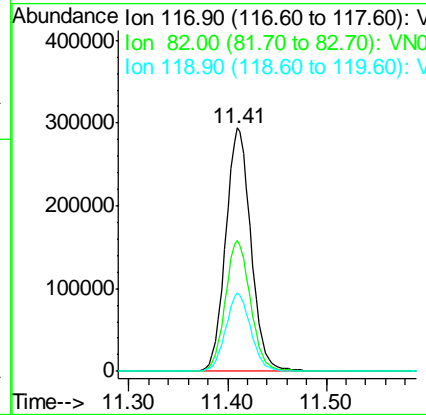
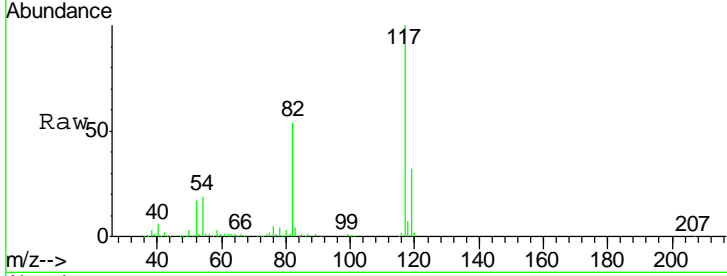




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048742.D
 Acq: 30 May 2018 15:51

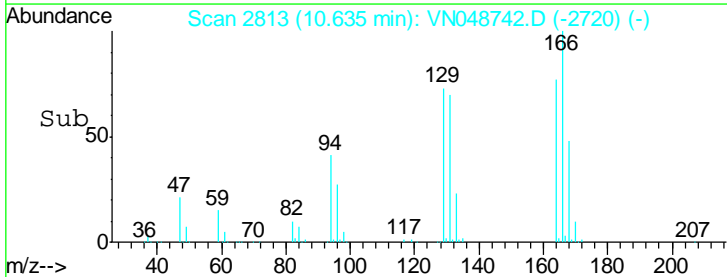
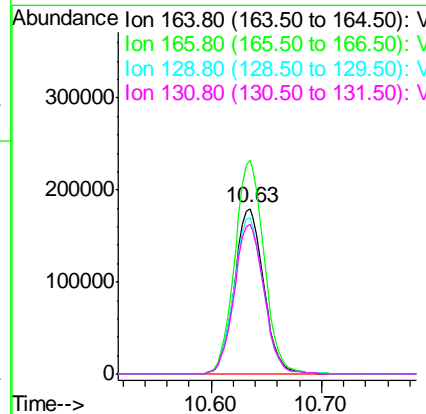
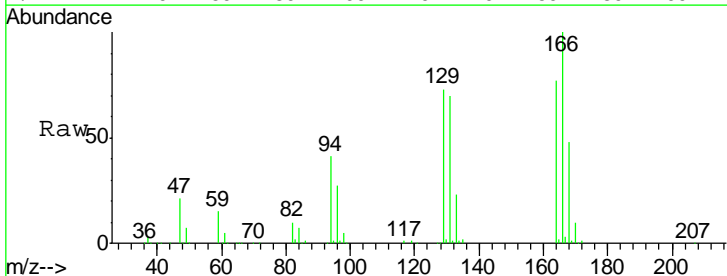
Instrument : MSVOA_N
 ClientSampled : 931-MW-03A(17)

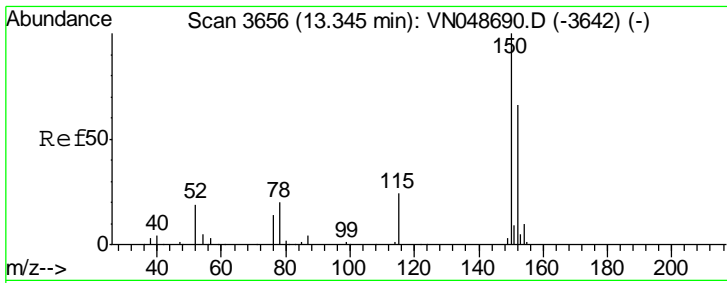
Tgt Ion	Resp	Lower	Upper
117	527976		
82	54.0	42.8	64.2
119	32.1	26.0	39.0



#64
 Tetrachloroethene
 Concen: 62.06 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048742.D
 Acq: 30 May 2018 15:51

Tgt Ion	Resp	Lower	Upper
164	331716		
166	129.1	102.7	154.1
129	94.5	74.3	111.5
131	90.7	71.4	107.0

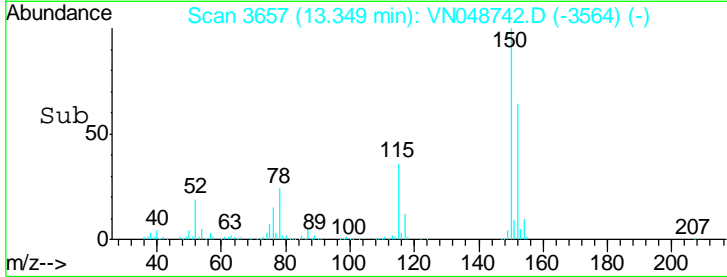
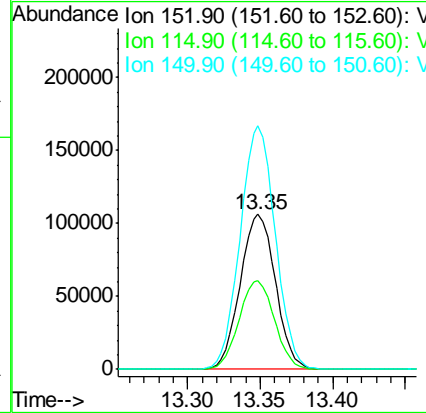
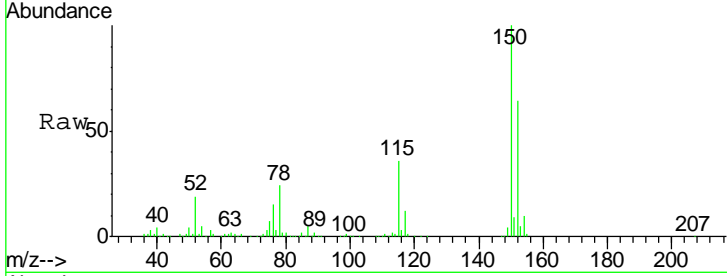




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048742.D
 Acq: 30 May 2018 15:51

Instrument : MSVOA_N
 ClientSampled : 931-MW-03A(17)

Tot Ion	Resp	Lower	Upper
152	180024		
152	100		
115	57.5	28.1	84.4
150	156.3	0.0	353.0



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Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048742.D
 Acq On : 30 May 2018 15:51
 Operator : MD\SY
 Sample : J3131-03 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 931-MW-03A(17)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.661	3	22	52	rBV	589050	951593	39.02%	6.958%
2	6.834	1609	1631	1656	rBV	100007	292974	12.01%	2.142%
3	7.593	1844	1867	1878	rBV	280599	711788	29.19%	5.205%
4	7.667	1878	1890	1921	rVB	462130	1138838	46.70%	8.328%
5	8.030	1985	2003	2035	rBV	283235	667243	27.36%	4.879%
6	8.587	2160	2176	2208	rBV	632889	1384527	56.78%	10.124%
7	8.837	2239	2254	2275	rBV	131692	276660	11.35%	2.023%
8	10.095	2629	2645	2675	rBV	1132398	2121075	86.99%	15.510%
9	10.635	2798	2813	2849	rVB	1312085	2438428	100.00%	17.831%
10	11.410	3039	3054	3080	rBV	846864	1518724	62.28%	11.106%
11	12.406	3347	3364	3385	rBV	645580	1115793	45.76%	8.159%
12	13.349	3644	3657	3671	rBV	618928	1057759	43.38%	7.735%

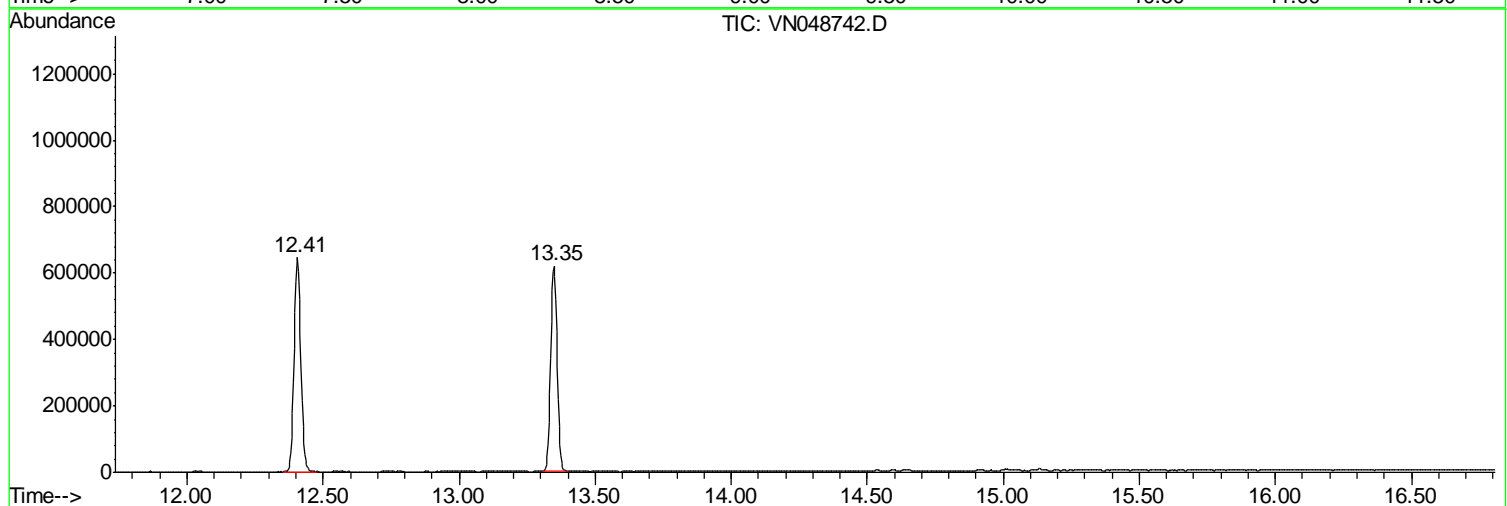
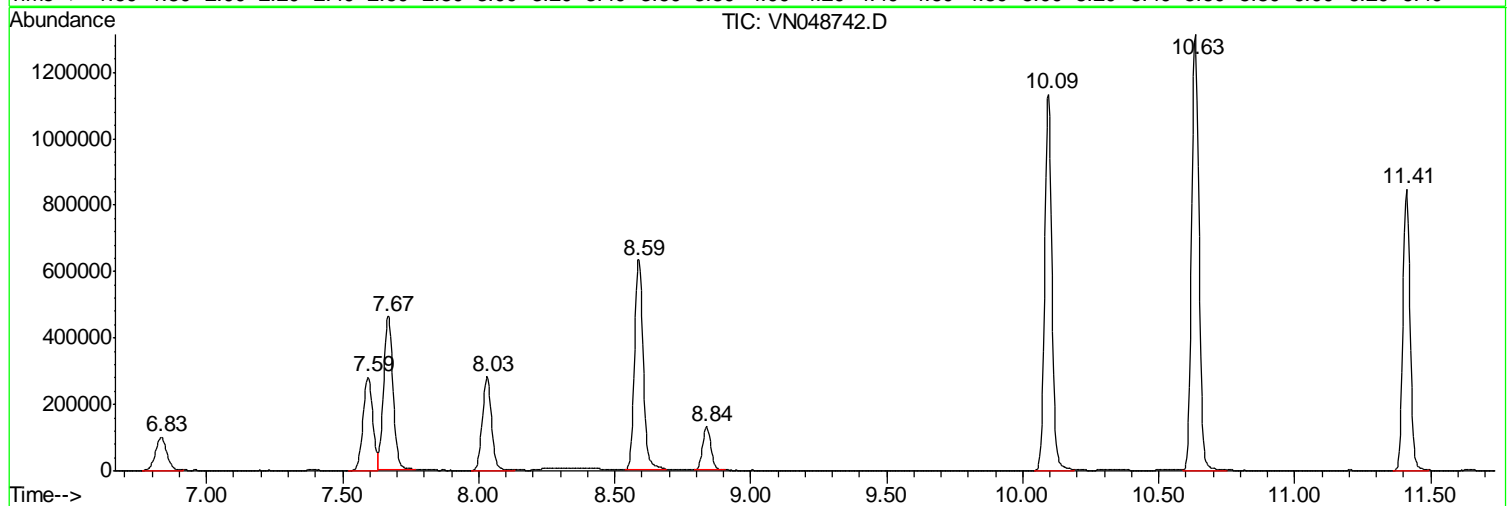
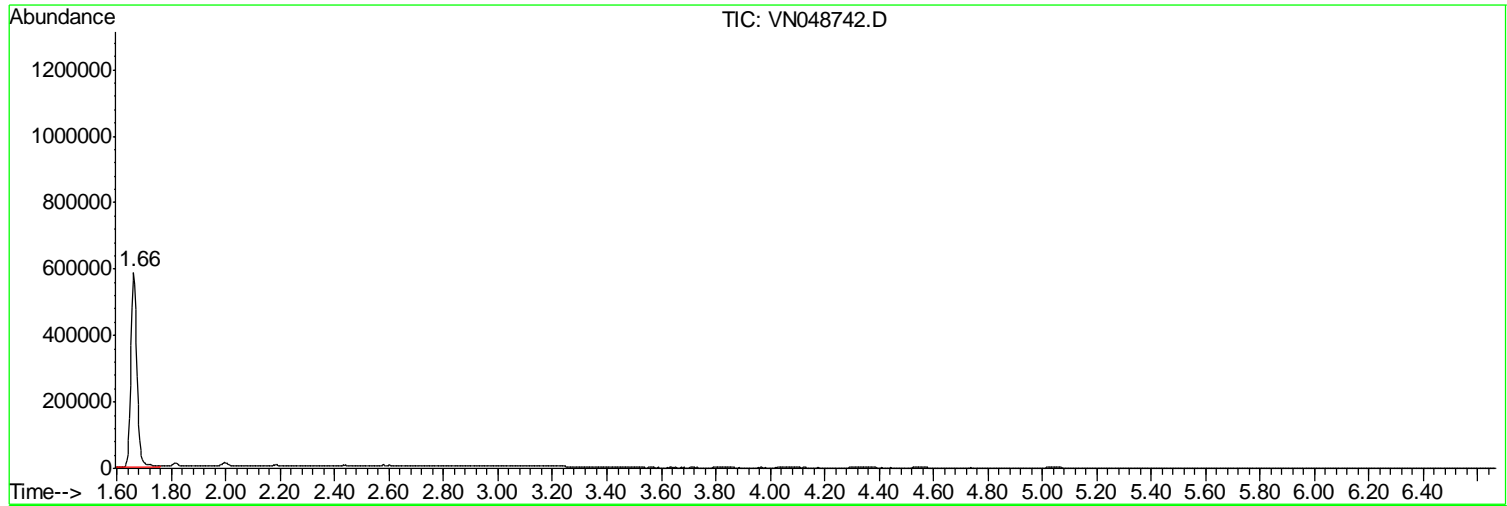
Sum of corrected areas: 13675402

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
Data File : VN048742.D
Acq On : 30 May 2018 15:51
Operator : MD\SY
Sample : J3131-03 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
931-MW-03A(17)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
Data File : VN048742.D
Acq On : 30 May 2018 15:51
Operator : MD\SY
Sample : J3131-03 10X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
931-MW-03A(17)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
 Data File : VN048742.D
 Acq On : 30 May 2018 15:51
 Operator : MD\SY
 Sample : J3131-03 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 931-MW-03A(17)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	932-MW-03A(22)	SDG No.:	J3131
Lab Sample ID:	J3131-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048753.D	1		05/30/18 20:35	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	2.9		0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	1.7	J	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	2.3		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	100		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	73		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	932-MW-03A(22)	SDG No.:	J3131
Lab Sample ID:	J3131-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048753.D	1		05/30/18 20:35	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	480	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.5		61 - 141		85%	SPK: 50
1868-53-7	Dibromofluoromethane	43.1		69 - 133		86%	SPK: 50
2037-26-5	Toluene-d8	42.9		65 - 126		86%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.2		58 - 135		66%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	338626	7.67				
540-36-3	1,4-Difluorobenzene	516822	8.59				
3114-55-4	Chlorobenzene-d5	441134	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	135922	13.35				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	932-MW-03A(22)	SDG No.:	J3131
Lab Sample ID:	J3131-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048753.D	1		05/30/18 20:35	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048753.D
 Acq On : 30 May 2018 20:35
 Operator : MD\SY
 Sample : J3131-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 932-MW-03A(22)

Quant Time: May 31 08:04:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	338626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	516822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	441134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	135922	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	209257	42.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		85.04%
35) Dibromofluoromethane	7.59	113	188670	43.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		86.20%
50) Toluene-d8	10.09	98	694575	42.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		85.86%
62) 4-Bromofluorobenzene	12.41	95	185127	33.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		66.30%

Target Compounds

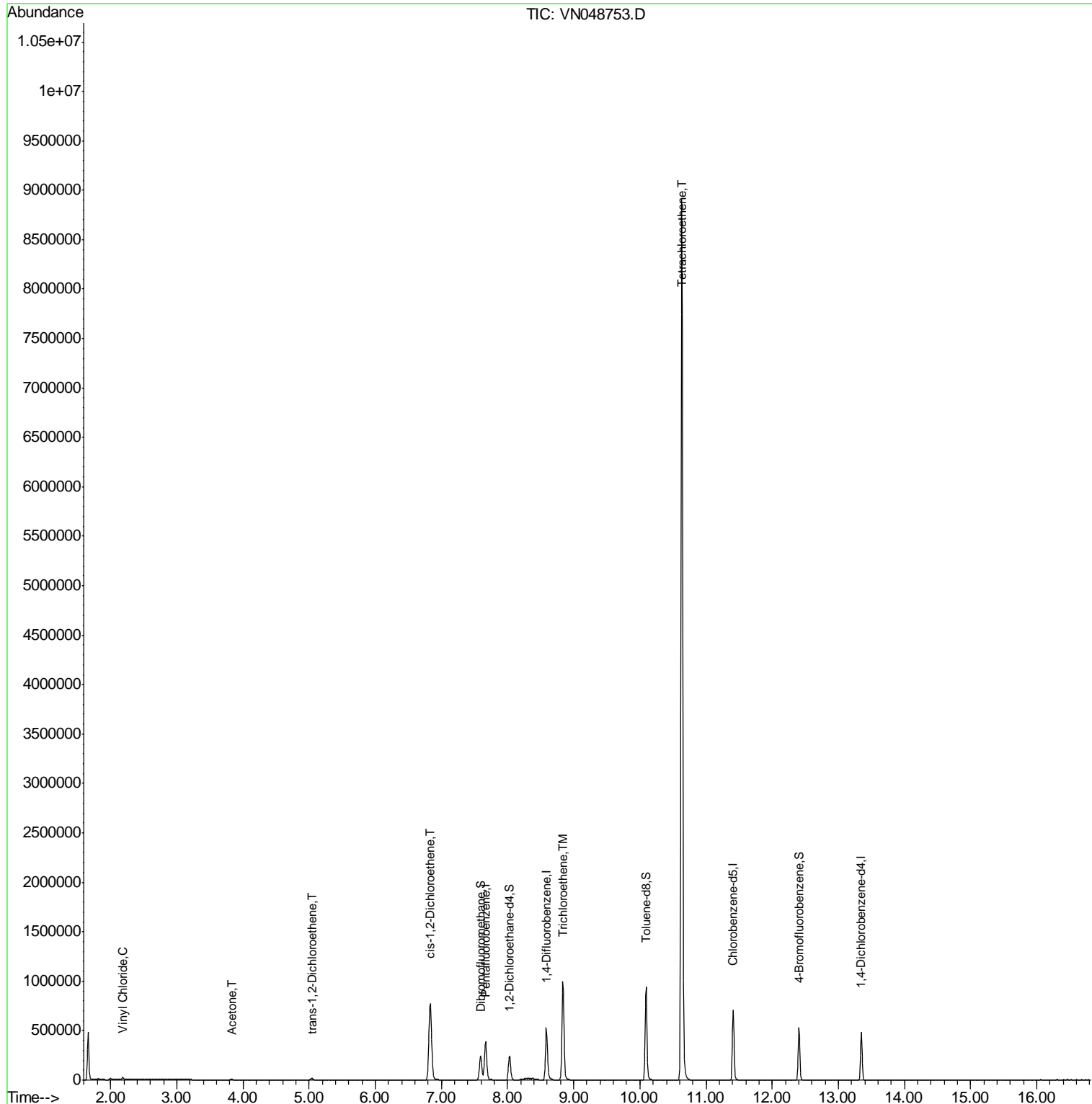
						Qvalue
4) Vinyl Chloride	2.18	62	15528	2.90	ug/l	97
16) Acetone	3.82	43	12330	1.66	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	10896	2.31	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	547515	102.96	ug/l	89
44) Trichloroethene	8.84	130	391717	73.04	ug/l	96
64) Tetrachloroethene	10.63	164	2155965	482.74	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

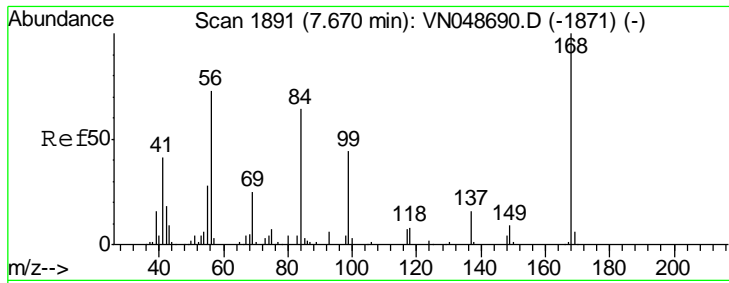
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048753.D
 Acq On : 30 May 2018 20:35
 Operator : MD\SY
 Sample : J3131-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 932-MW-03A(22)

Quant Time: May 31 08:04:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



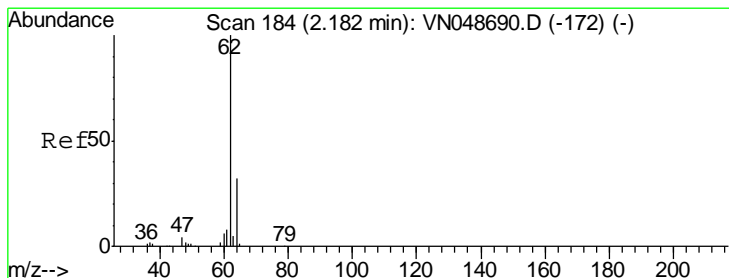
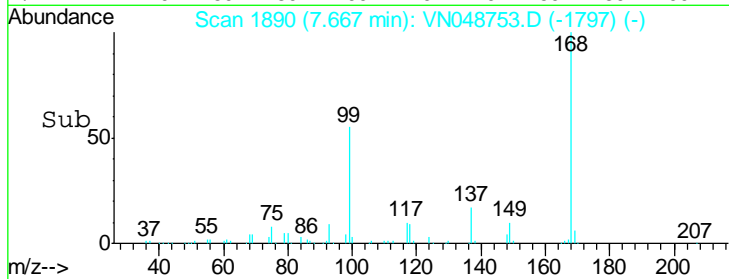
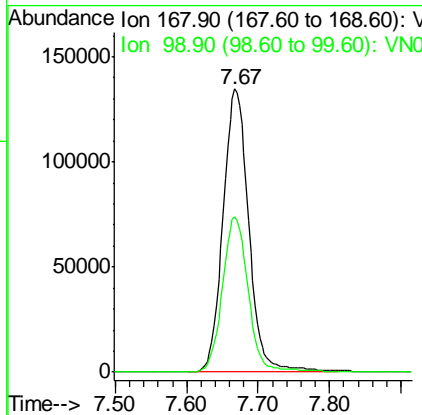
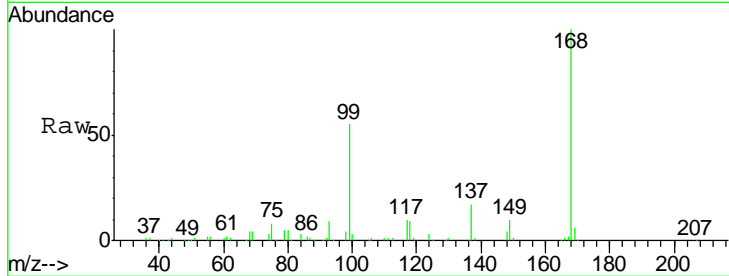
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

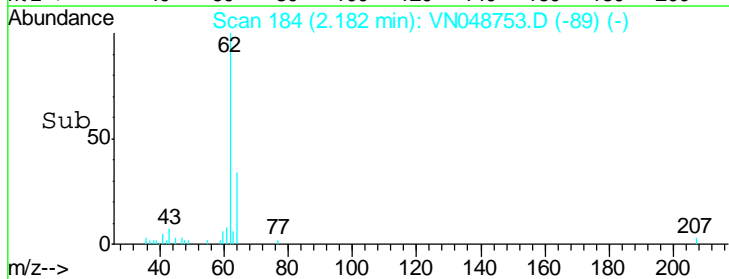
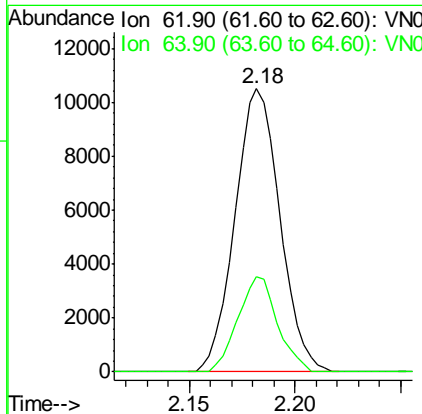
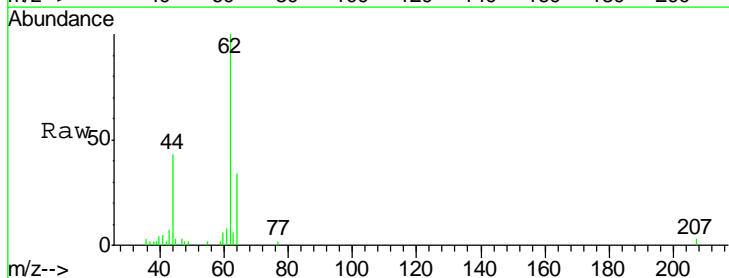
Instrument :
 MSVOA_N
 ClientSampled :
 932-MW-03A(22)

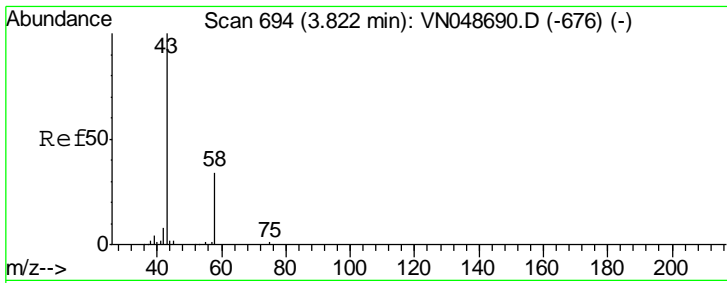
Tgt Ion	Resp	Lower	Upper
168	100		
99	54.7	40.8	61.2



#4
 Vinyl Chloride
 Concen: 2.90 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

Tgt Ion	Resp	Lower	Upper
62	100		
64	33.7	25.6	38.4

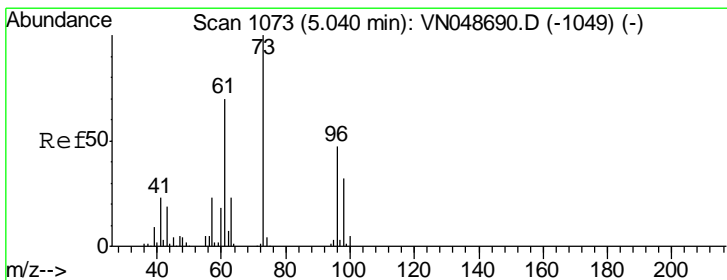
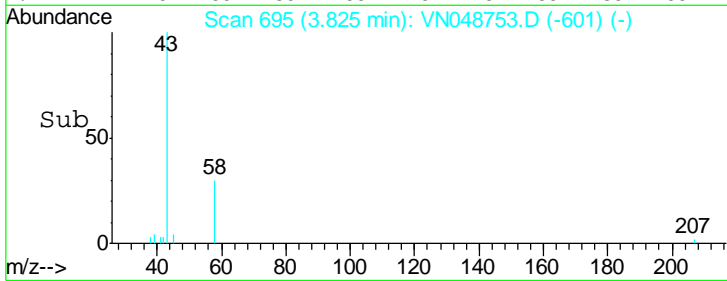
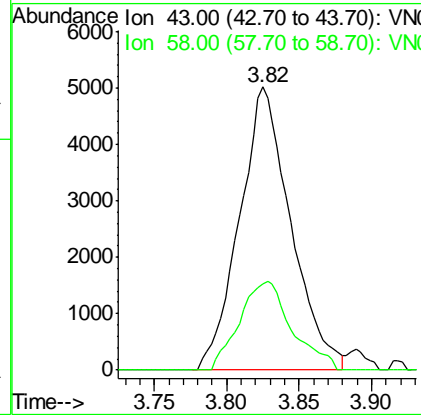
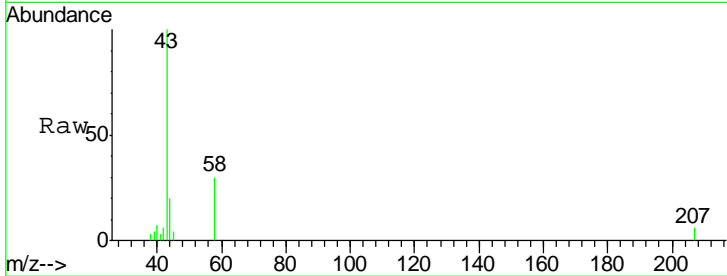




#16
 Acetone
 Concen: 1.66 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

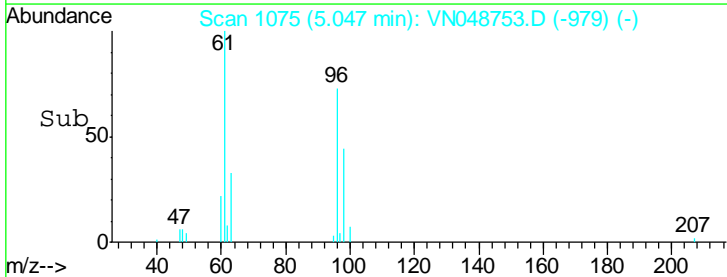
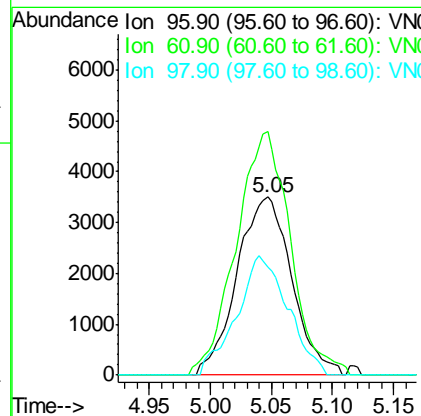
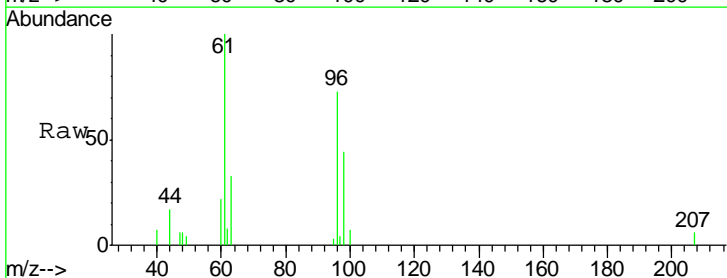
Instrument : MSVOA_N
 ClientSampleId : 932-MW-03A(22)

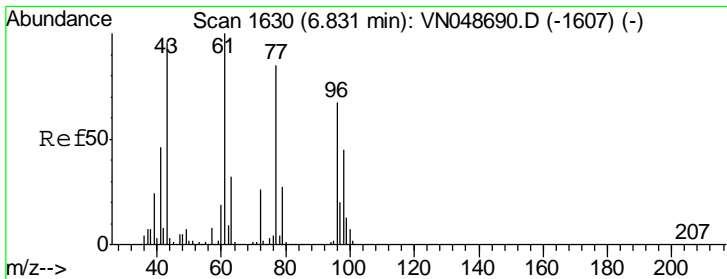
Tgt Ion	Resp	Lower	Upper
43	12330		
58	30.5	25.4	38.0



#21
 trans-1,2-Dichloroethene
 Concen: 2.31 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

Tgt Ion	Resp	Lower	Upper
96	10896		
61	132.7	112.2	168.2
98	60.7	50.5	75.7

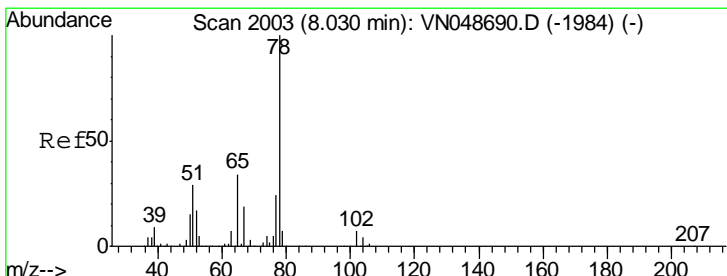
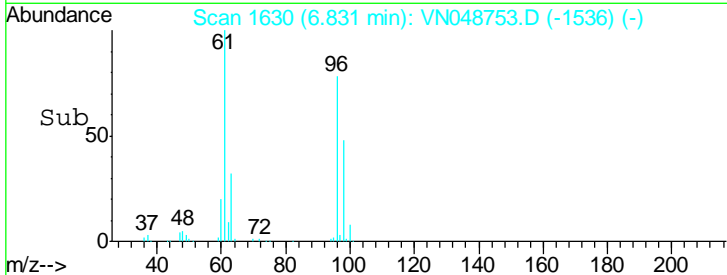
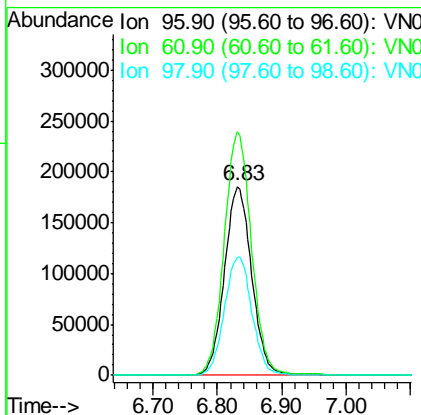
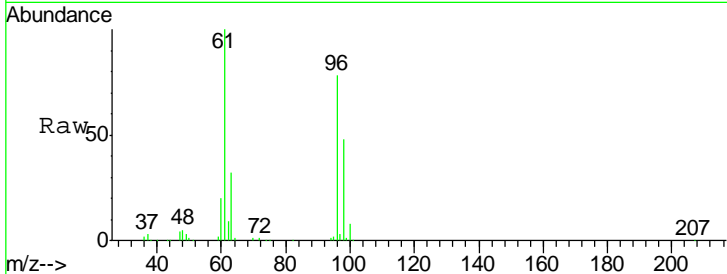




#27
 cis-1,2-Dichloroethene
 Concen: 102.96 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

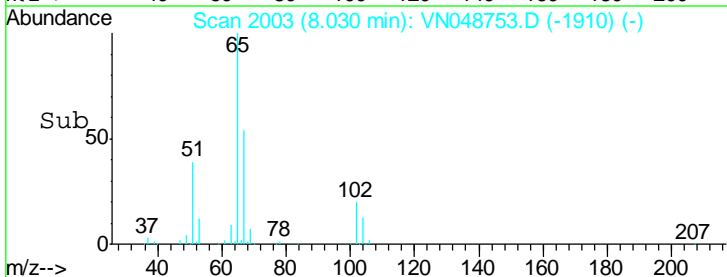
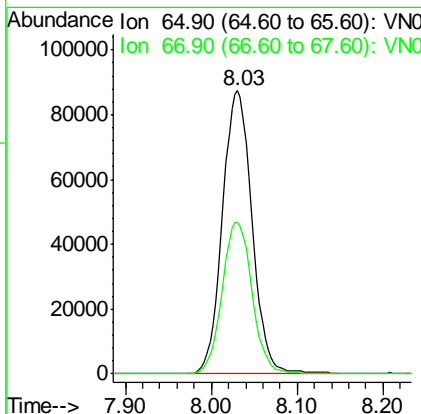
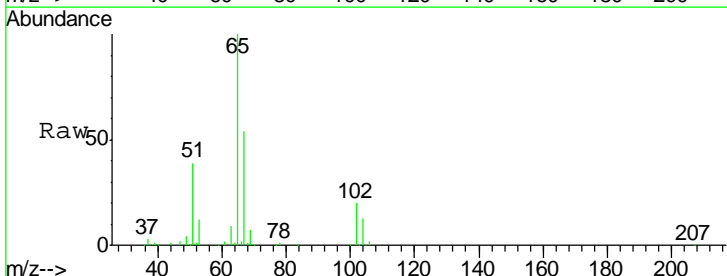
Instrument : MSVOA_N
 ClientSampled : 932-MW-03A(22)

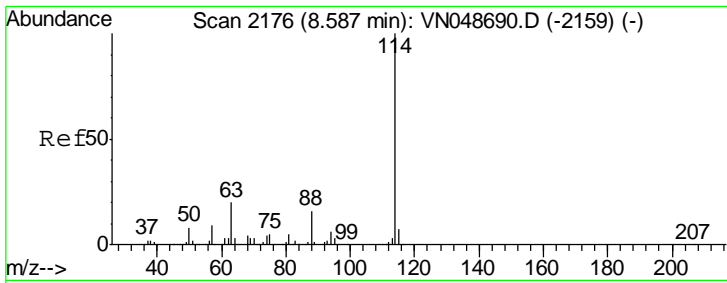
Tgt Ion	Resp	Lower	Upper
96	547515		
61	128.1	0.0	292.6
98	63.0	0.0	128.2



#33
 1,2-Dichloroethane-d4
 Concen: 42.52 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

Tgt Ion	Resp	Lower	Upper
65	209257		
67	54.0	0.0	108.4

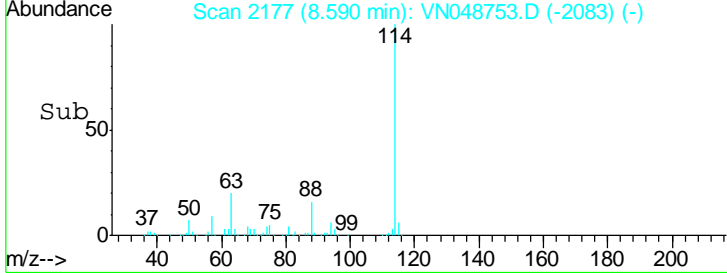
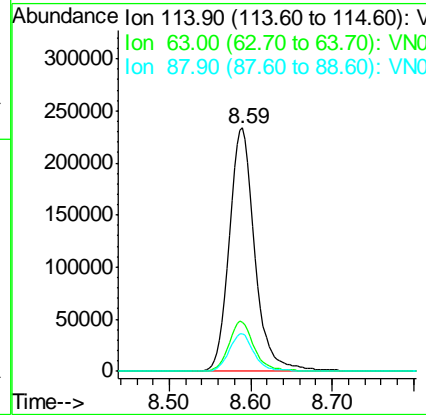
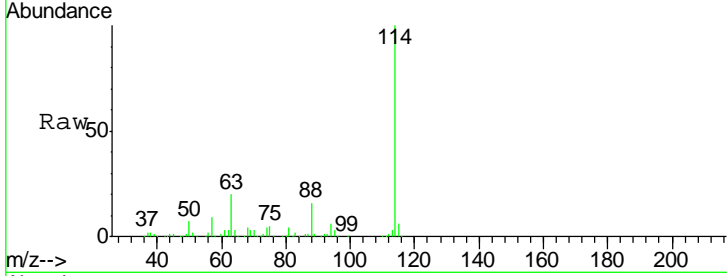




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

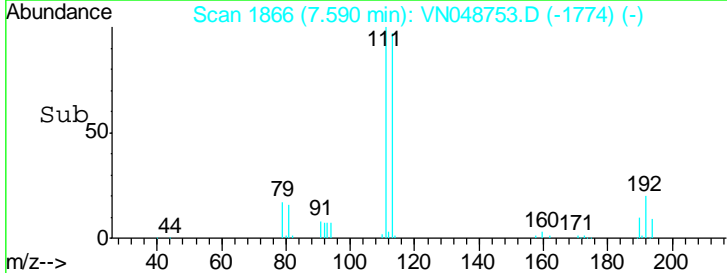
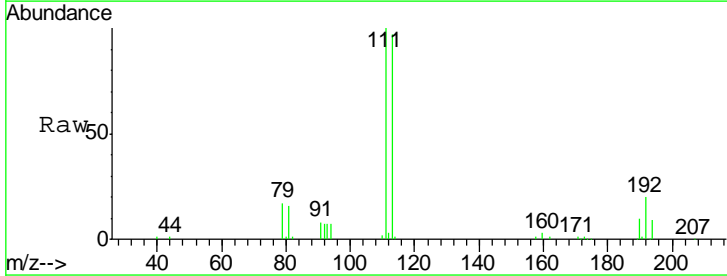
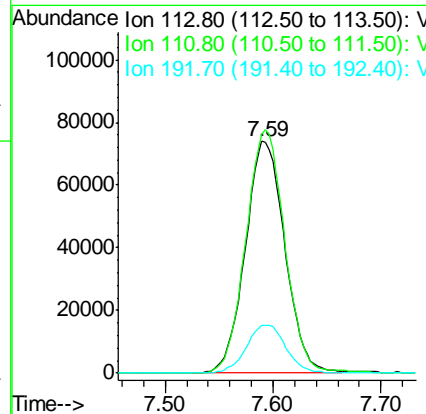
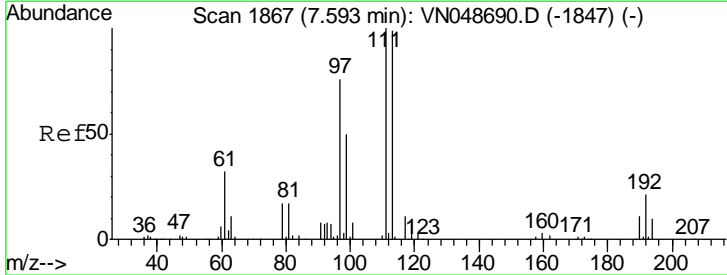
Instrument : MSVOA_N
 ClientSampled : 932-MW-03A(22)

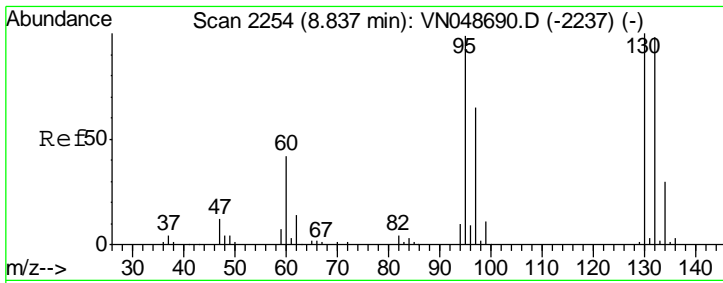
Tgt Ion	Resp	Lower	Upper
114	516822		
63	20.3	0.0	40.0
88	15.5	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 43.10 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

Tgt Ion	Resp	Lower	Upper
113	188670		
111	103.8	81.7	122.5
192	20.6	17.6	26.4

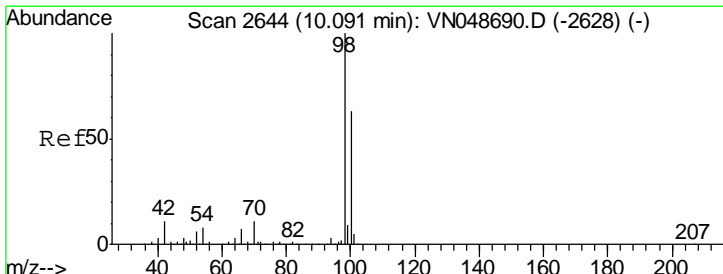
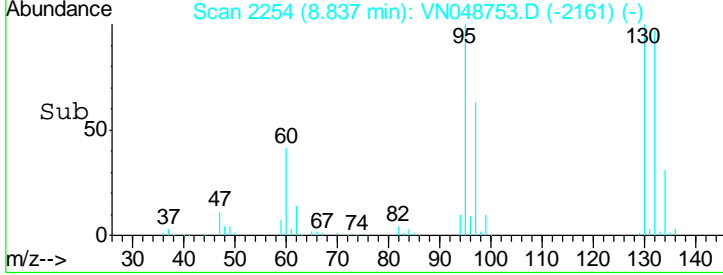
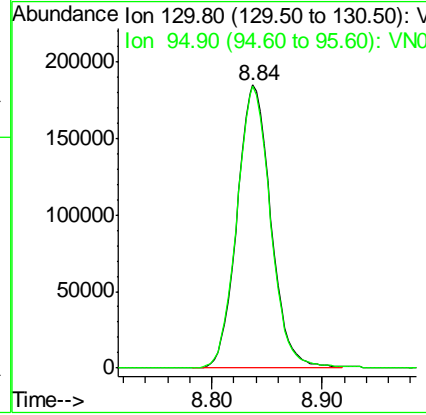
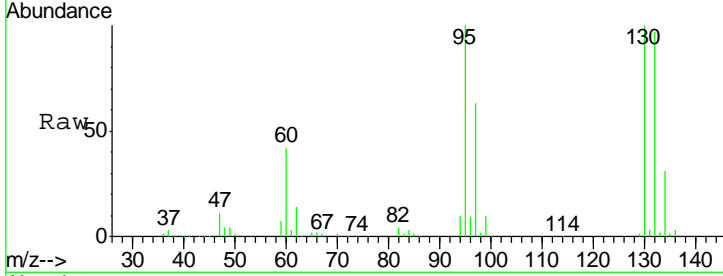




#44
 Trichloroethene
 Concen: 73.04 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

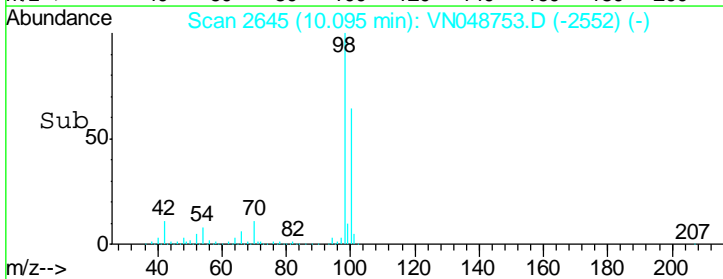
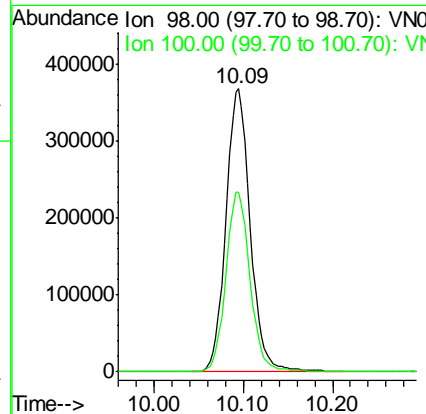
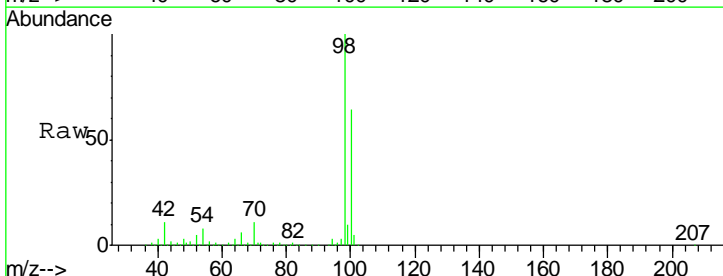
Instrument :
 MSVOA_N
 ClientSampled :
 932-MW-03A(22)

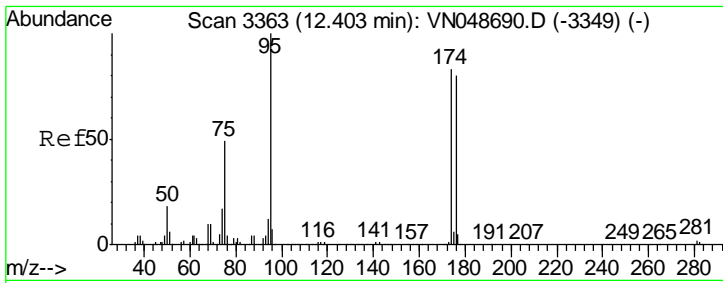
Tgt Ion	Resp	Lower	Upper
130	100		
95	99.5	0.0	191.6



#50
 Toluene-d8
 Concen: 42.93 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.4	51.2	76.8

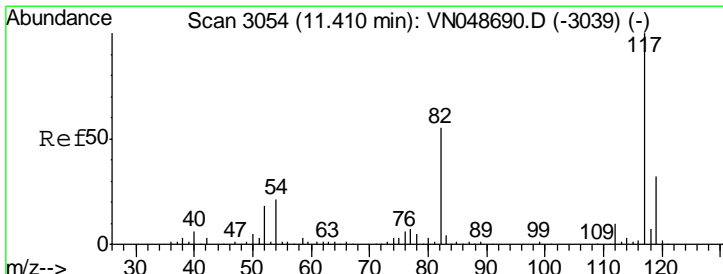
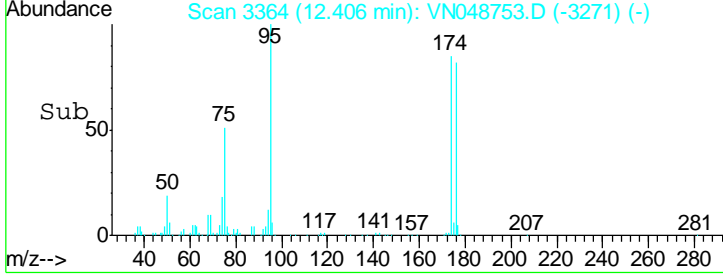
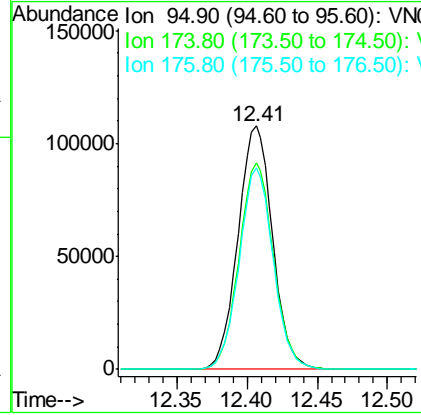
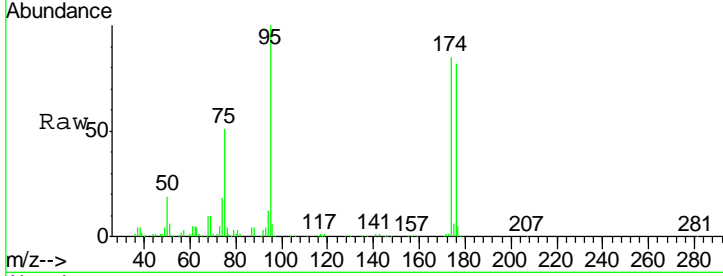




#62
 4-Bromofluorobenzene
 Concen: 33.15 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

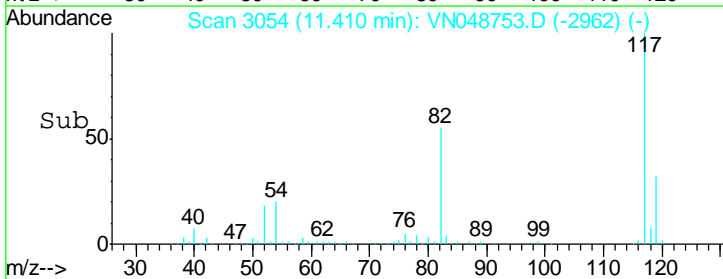
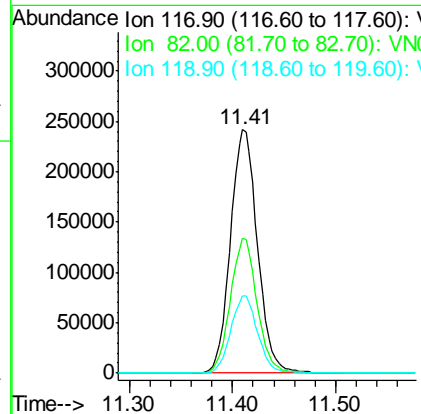
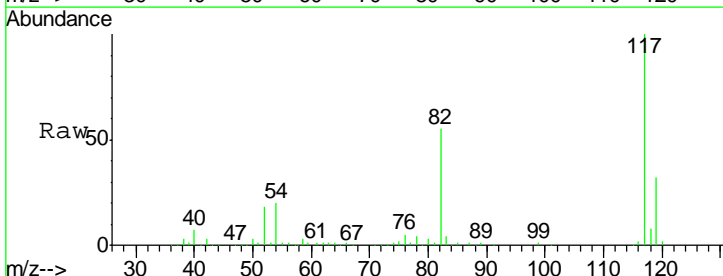
Instrument : MSVOA_N
 ClientSampleId : 932-MW-03A(22)

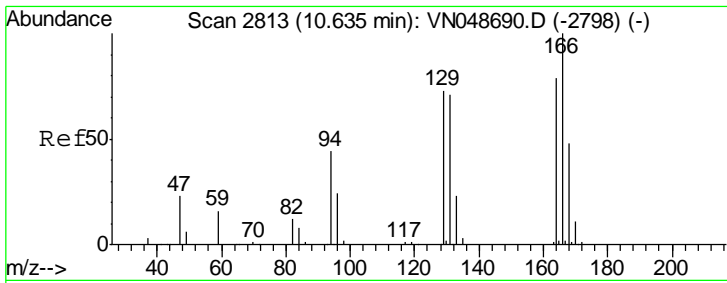
Tgt Ion	Resp	Lower	Upper
95	185127		
174	84.6	0.0	173.8
176	81.4	0.0	170.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

Tgt Ion	Resp	Lower	Upper
117	441134		
82	55.2	42.8	64.2
119	31.5	26.0	39.0



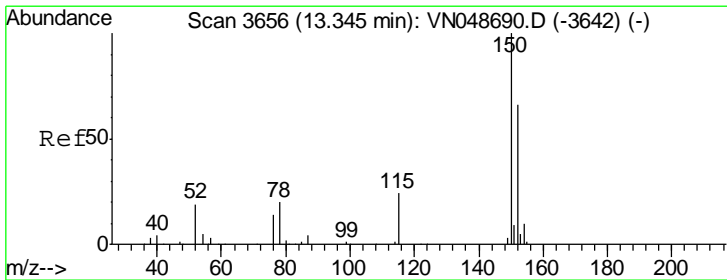
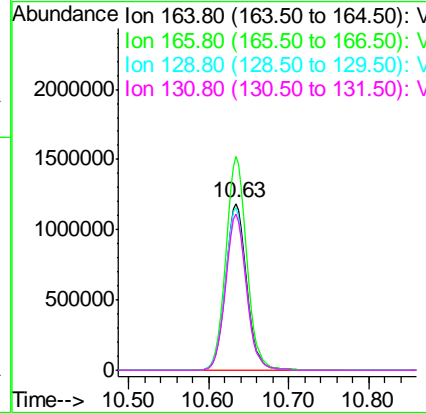
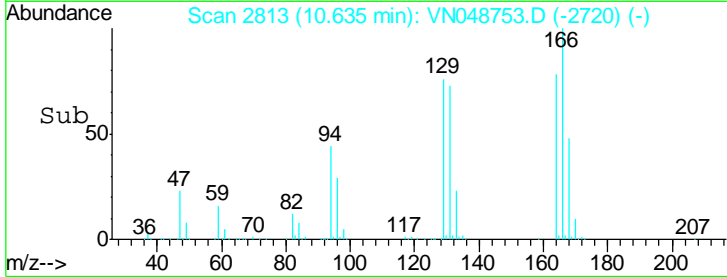
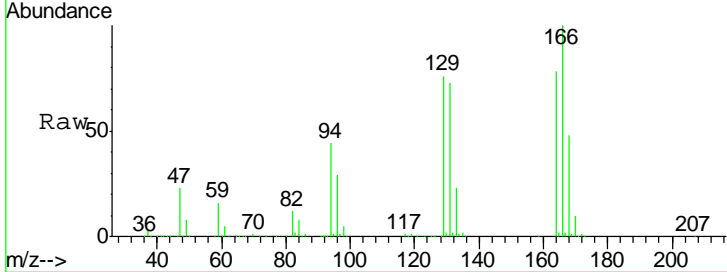


#64
 Tetrachloroethene
 Concen: 482.74 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

Instrument : MSVOA_N
 ClientSampled : 932-MW-03A(22)

Tgt Ion:164 Resp: 2155965

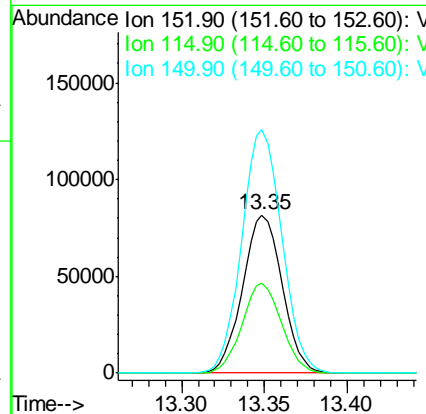
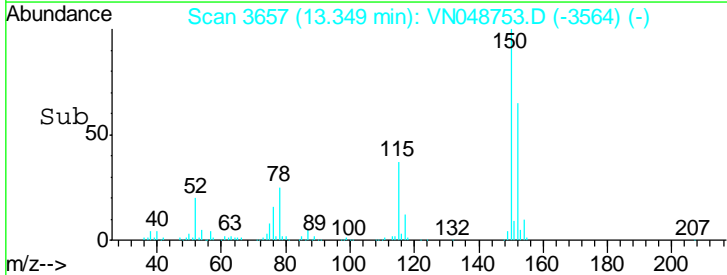
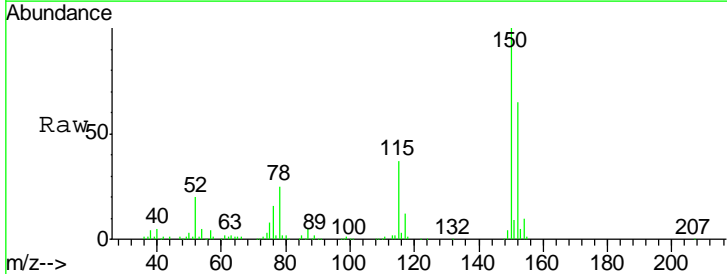
Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.7	154.1
129	97.6	74.3	111.5
131	93.3	71.4	107.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048753.D
 Acq: 30 May 2018 20:35

Tgt Ion:152 Resp: 135922

Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.1	84.4
150	156.1	0.0	353.0



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048753.D
 Acq On : 30 May 2018 20:35
 Operator : MD\SY
 Sample : J3131-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 932-MW-03A(22)

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.661	3	22	43	rBV	483001	753628	4.66%	2.562%
2	6.831	1607	1630	1674	rBV	776325	2306378	14.28%	7.840%
3	7.593	1846	1867	1878	rBV	242279	607622	3.76%	2.066%
4	7.667	1878	1890	1914	rVB	385054	937857	5.80%	3.188%
5	8.030	1984	2003	2029	rBV2	241993	582145	3.60%	1.979%
6	8.587	2161	2176	2210	rBV	529304	1165462	7.21%	3.962%
7	8.837	2237	2254	2295	rBV	994924	2116952	13.10%	7.196%
8	10.095	2630	2645	2688	rBV	941164	1789636	11.08%	6.084%
9	10.635	2797	2813	2855	rVB	8906909	16156697	100.00%	54.923%
10	11.410	3038	3054	3085	rBV	709280	1290432	7.99%	4.387%
11	12.406	3350	3364	3382	rVB	530987	901231	5.58%	3.064%
12	13.349	3643	3657	3672	rVB	482645	809075	5.01%	2.750%

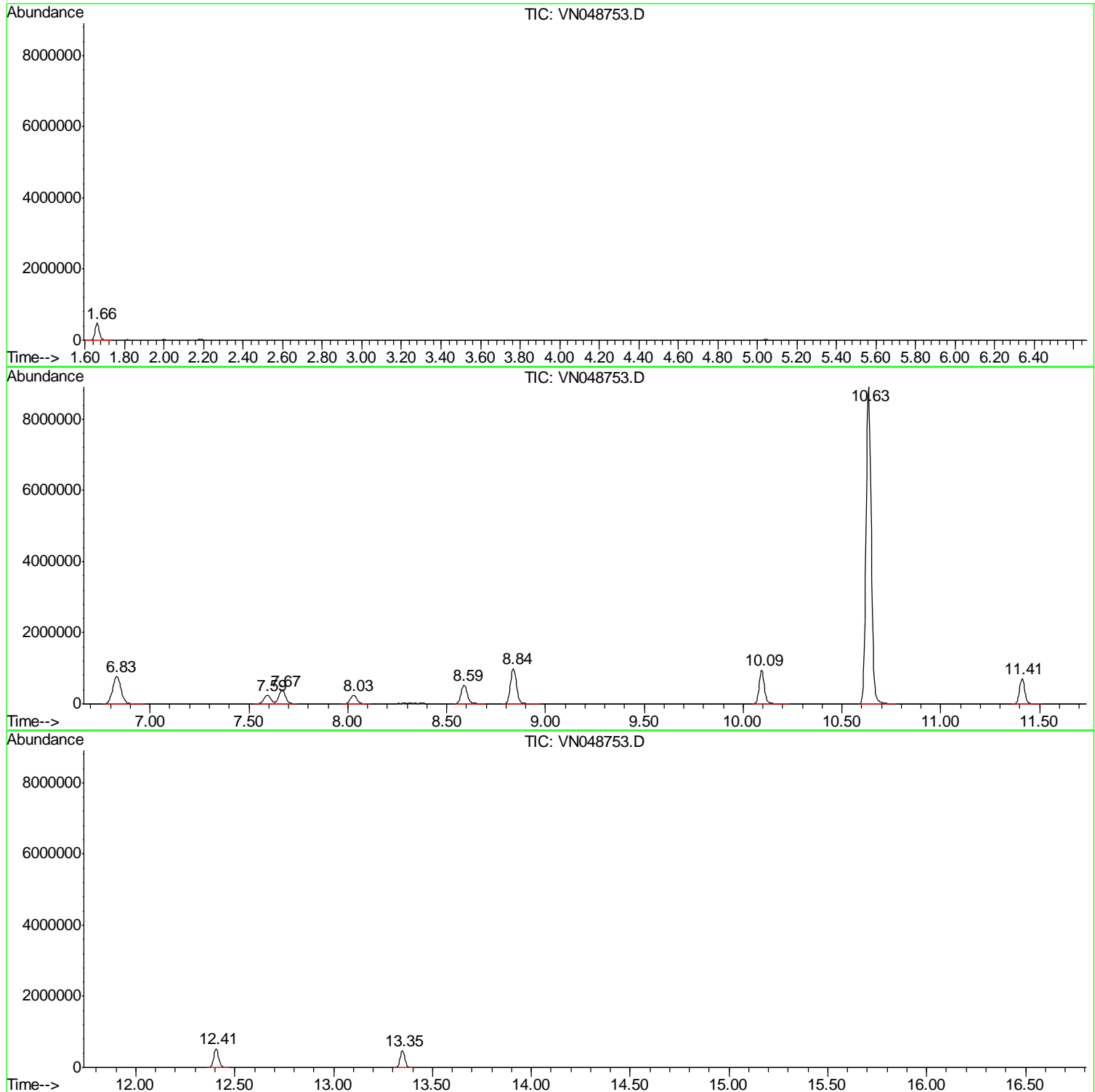
Sum of corrected areas: 29417115

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
Data File : VN048753.D
Acq On : 30 May 2018 20:35
Operator : MD\SY
Sample : J3131-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
932-MW-03A(22)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
Data File : VN048753.D
Acq On : 30 May 2018 20:35
Operator : MD\SY
Sample : J3131-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
932-MW-03A(22)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
Data File : VN048753.D
Acq On : 30 May 2018 20:35
Operator : MD\SY
Sample : J3131-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
932-MW-03A(22)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
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- 6
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- 9
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- 14
- 15
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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	932-MW-03A(22)DL	SDG No.:	J3131
Lab Sample ID:	J3131-04DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048793.D	10		05/31/18 15:54	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10	UD	2	2	10	ug/L
74-87-3	Chloromethane	10	UD	2	2	10	ug/L
75-01-4	Vinyl Chloride	10	UD	2	2	10	ug/L
74-83-9	Bromomethane	10	UD	2	2	10	ug/L
75-00-3	Chloroethane	10	UD	2	5	10	ug/L
75-69-4	Trichlorofluoromethane	10	UD	2	2	10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10	UD	2	2	10	ug/L
75-35-4	1,1-Dichloroethene	10	UD	2	2	10	ug/L
67-64-1	Acetone	50	UD	5	10	50	ug/L
75-15-0	Carbon Disulfide	10	UD	2	2	10	ug/L
1634-04-4	Methyl tert-butyl Ether	10	UD	3.5	5	10	ug/L
79-20-9	Methyl Acetate	10	UD	2	5	10	ug/L
75-09-2	Methylene Chloride	10	UD	2	2	10	ug/L
156-60-5	trans-1,2-Dichloroethene	10	UD	2	2	10	ug/L
75-34-3	1,1-Dichloroethane	10	UD	2	2	10	ug/L
110-82-7	Cyclohexane	10	UD	2	2	10	ug/L
78-93-3	2-Butanone	50	UD	13.2	25	50	ug/L
56-23-5	Carbon Tetrachloride	10	UD	2	2	10	ug/L
156-59-2	cis-1,2-Dichloroethene	99.5	D	2	2	10	ug/L
74-97-5	Bromochloromethane	10	UD	2	5	10	ug/L
67-66-3	Chloroform	10	UD	2	2	10	ug/L
71-55-6	1,1,1-Trichloroethane	10	UD	2	2	10	ug/L
108-87-2	Methylcyclohexane	10	UD	2	2	10	ug/L
71-43-2	Benzene	10	UD	2	2	10	ug/L
107-06-2	1,2-Dichloroethane	10	UD	2	2	10	ug/L
79-01-6	Trichloroethene	71.7	D	2	2	10	ug/L
78-87-5	1,2-Dichloropropane	10	UD	2	2	10	ug/L
75-27-4	Bromodichloromethane	10	UD	2	2	10	ug/L
108-10-1	4-Methyl-2-Pentanone	50	UD	10	10	50	ug/L
108-88-3	Toluene	10	UD	2	2	10	ug/L
10061-02-6	t-1,3-Dichloropropene	10	UD	2	2	10	ug/L
10061-01-5	cis-1,3-Dichloropropene	10	UD	2	2	10	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	932-MW-03A(22)DL	SDG No.:	J3131
Lab Sample ID:	J3131-04DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048793.D	10		05/31/18 15:54	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10	UD	2	2	10	ug/L
591-78-6	2-Hexanone	50	UD	19.4	25	50	ug/L
124-48-1	Dibromochloromethane	10	UD	2	2	10	ug/L
106-93-4	1,2-Dibromoethane	10	UD	2	2	10	ug/L
127-18-4	Tetrachloroethene	450	D	2	2	10	ug/L
108-90-7	Chlorobenzene	10	UD	2	2	10	ug/L
100-41-4	Ethyl Benzene	10	UD	2	2	10	ug/L
179601-23-1	m/p-Xylenes	20	UD	4	4	20	ug/L
95-47-6	o-Xylene	10	UD	2	2	10	ug/L
100-42-5	Styrene	10	UD	2	2	10	ug/L
75-25-2	Bromoform	10	UD	2	2	10	ug/L
98-82-8	Isopropylbenzene	10	UD	2	2	10	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10	UD	2	2	10	ug/L
541-73-1	1,3-Dichlorobenzene	10	UD	2	2	10	ug/L
106-46-7	1,4-Dichlorobenzene	10	UD	2	2	10	ug/L
95-50-1	1,2-Dichlorobenzene	10	UD	2	2	10	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10	UD	2	2	10	ug/L
120-82-1	1,2,4-Trichlorobenzene	10	UD	2	2	10	ug/L
87-61-6	1,2,3-Trichlorobenzene	10	UD	2	2	10	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.4		61 - 141		109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		69 - 133		108%	SPK: 50
2037-26-5	Toluene-d8	53		65 - 126		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.1		58 - 135		78%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	281612	7.67				
540-36-3	1,4-Difluorobenzene	440126	8.59				
3114-55-4	Chlorobenzene-d5	378938	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	107940	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	932-MW-03A(22)DL	SDG No.:	J3131
Lab Sample ID:	J3131-04DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048793.D	10		05/31/18 15:54	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048793.D
 Acq On : 31 May 2018 15:54
 Operator : MD\SY
 Sample : J3131-04DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 932-MW-03A(22)DL

Quant Time: May 31 16:41:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

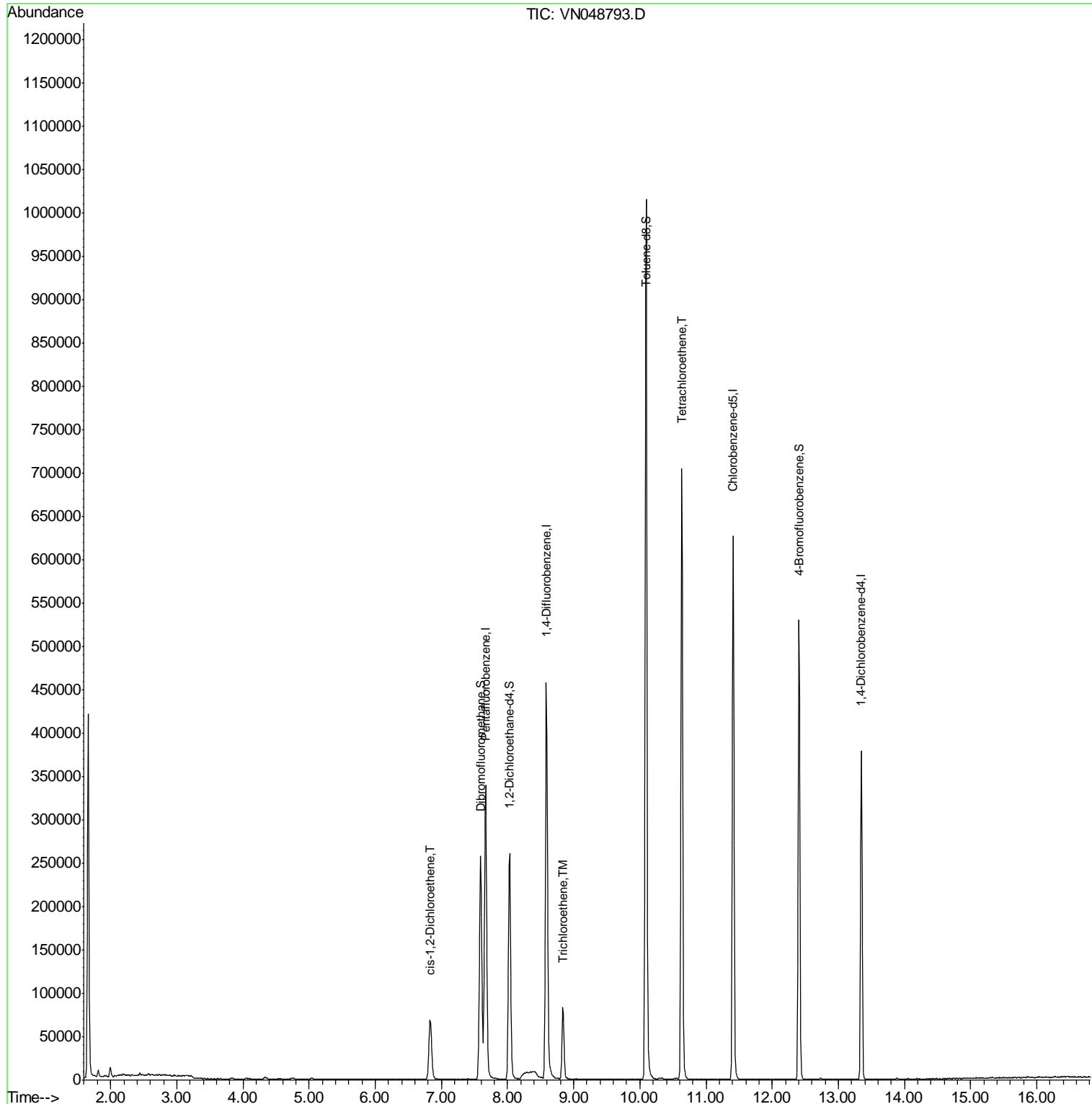
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	281612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	440126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	378938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	107940	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	222837	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
35) Dibromofluoromethane	7.59	113	200732	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
50) Toluene-d8	10.09	98	730467	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.41	95	185956	39.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.20%	
Target Compounds						
27) cis-1,2-Dichloroethene	6.83	96	44007	9.95	ug/l	94
44) Trichloroethene	8.84	130	32737	7.17	ug/l	100
64) Tetrachloroethene	10.63	164	172068	44.85	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

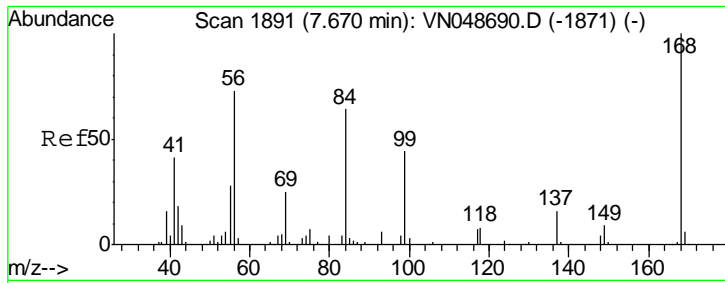
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048793.D
 Acq On : 31 May 2018 15:54
 Operator : MD\SY
 Sample : J3131-04DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 932-MW-03A(22)DL

Quant Time: May 31 16:41:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



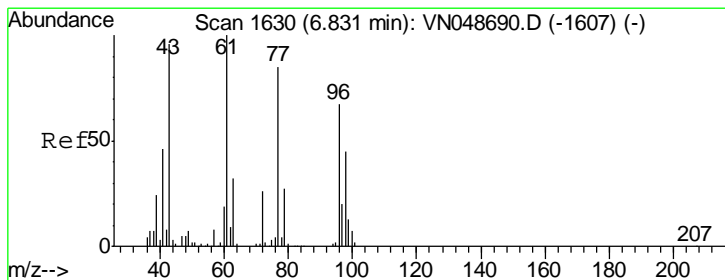
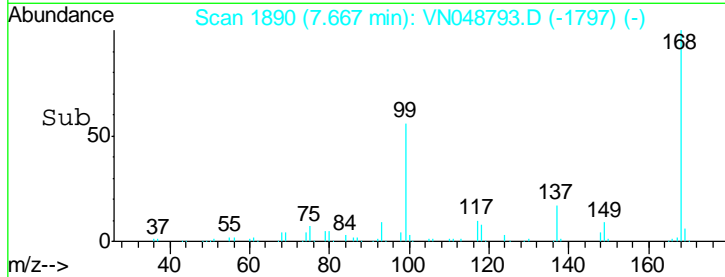
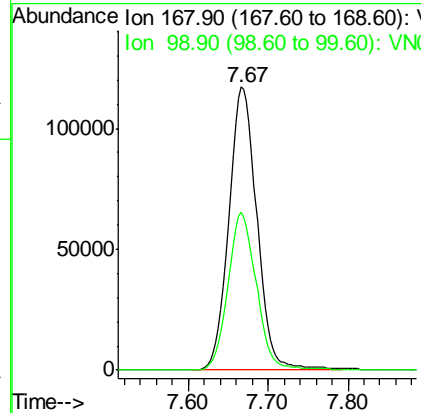
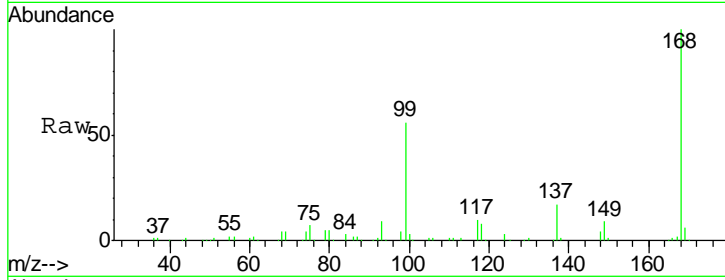
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048793.D
 Acq: 31 May 2018 15:54

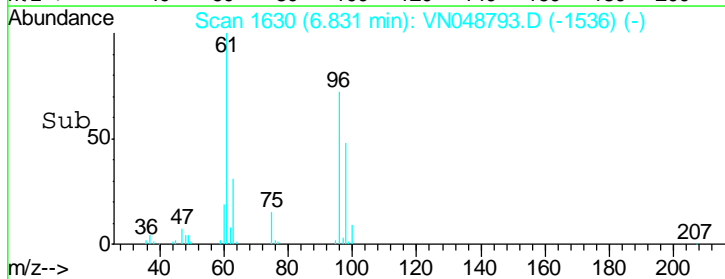
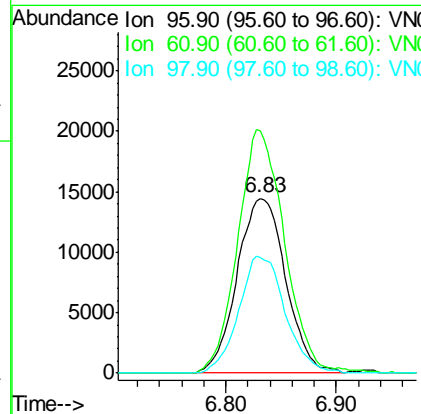
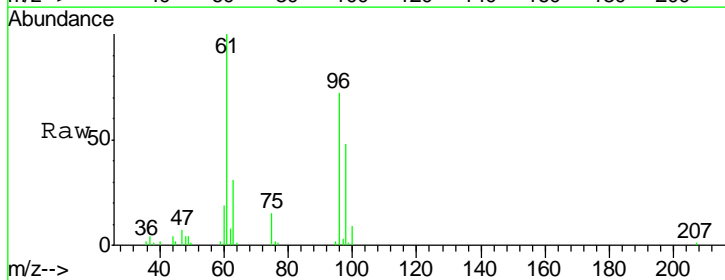
Instrument :
 MSVOA_N
 ClientSampleId :
 932-MW-03A(22)DL

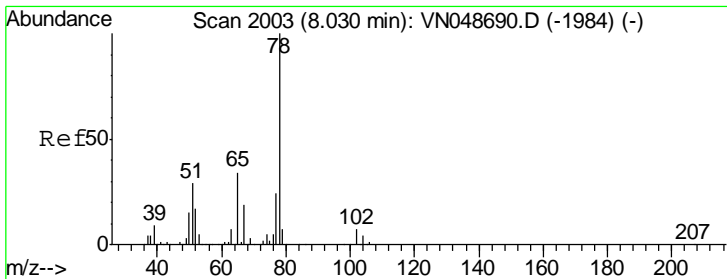
Tgt Ion	Resp	Lower	Upper
168	100		
99	55.6	40.8	61.2



#27
 cis-1,2-Dichloroethene
 Concen: 9.95 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048793.D
 Acq: 31 May 2018 15:54

Tgt Ion	Resp	Lower	Upper
96	100		
61	134.6	0.0	292.6
98	64.1	0.0	128.2

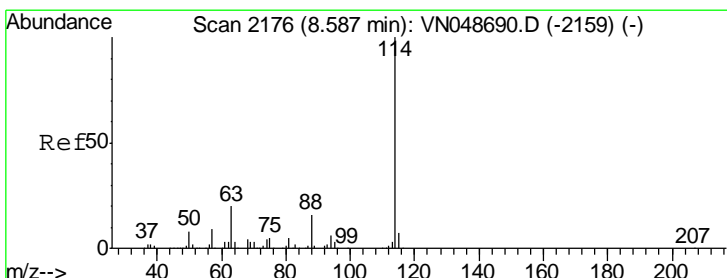
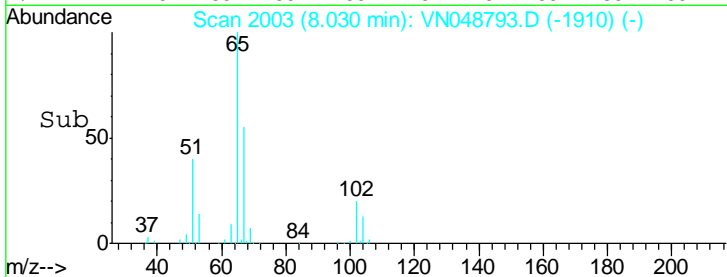
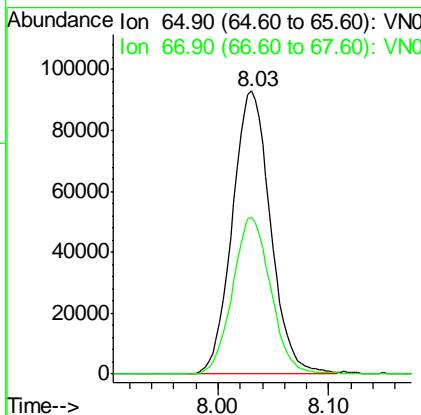
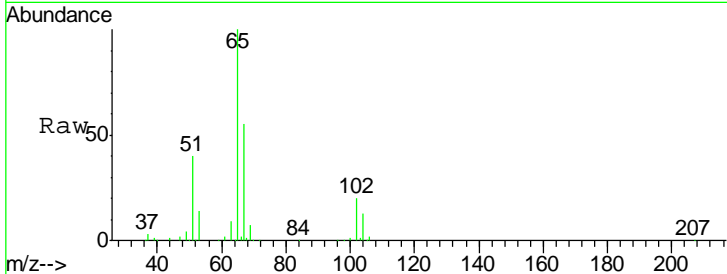




#33
 1,2-Dichloroethane-d4
 Concen: 54.45 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048793.D
 Acq: 31 May 2018 15:54

Instrument : MSVOA_N
 ClientSampleId : 932-MW-03A(22)DL

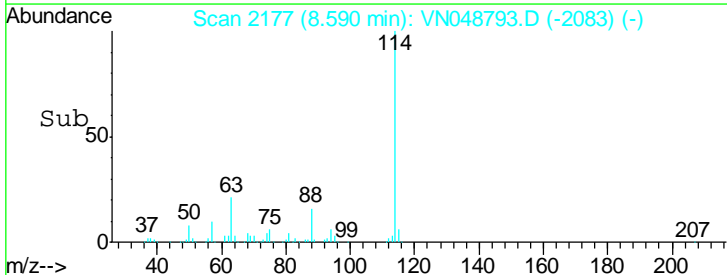
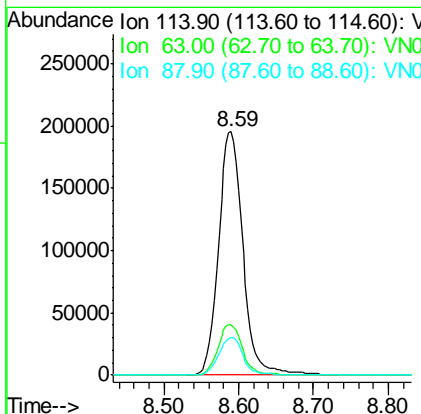
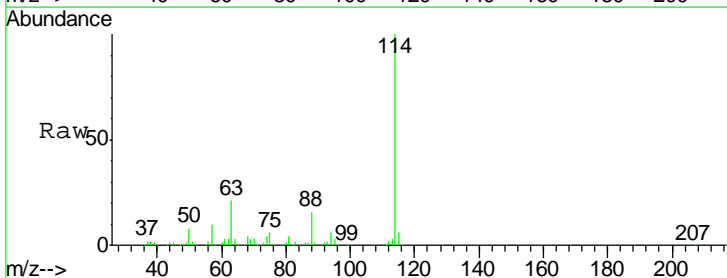
Tgt Ion	Resp	Lower	Upper
65	100		
67	55.4	0.0	108.4

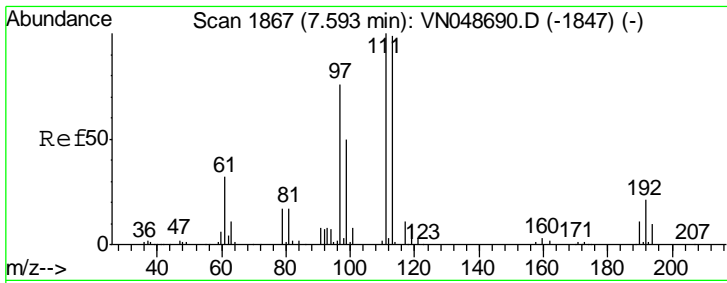


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048793.D
 Acq: 31 May 2018 15:54

Instrument : MSVOA_N
 ClientSampleId : 932-MW-03A(22)DL

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.5	0.0	40.0
88	15.5	0.0	31.0

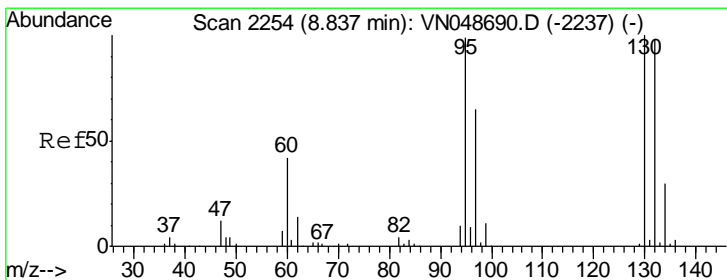
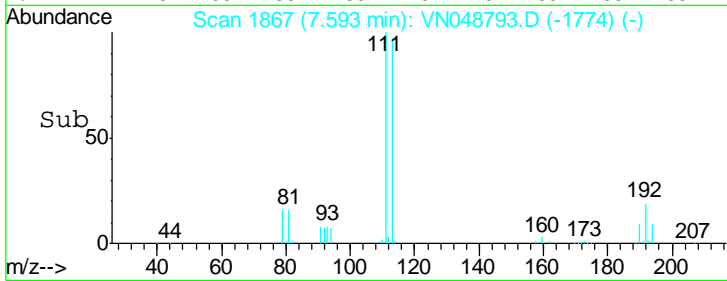
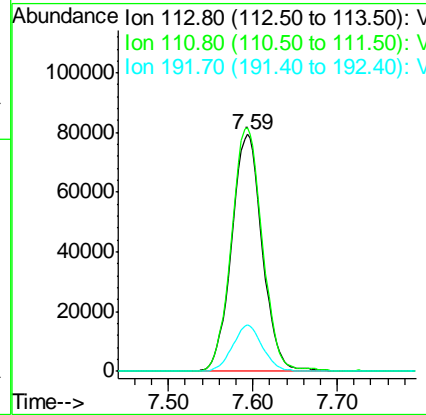
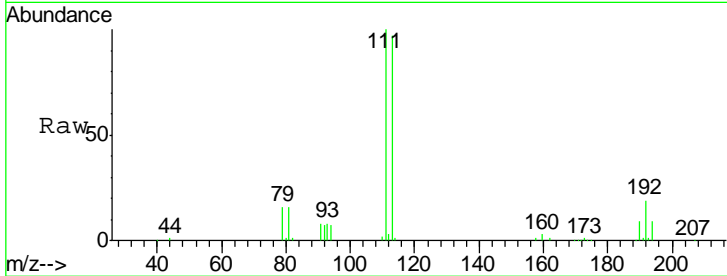




#35
 Dibromofluoromethane
 Concen: 53.85 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048793.D
 Acq: 31 May 2018 15:54

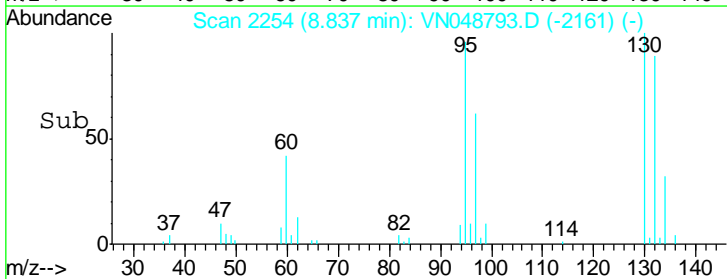
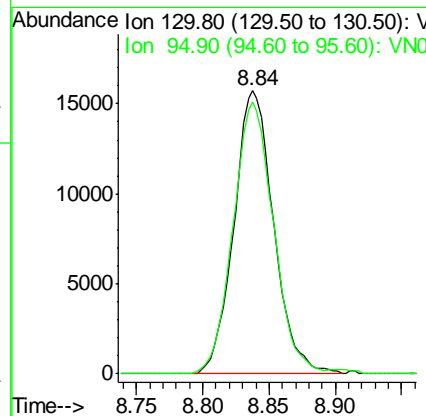
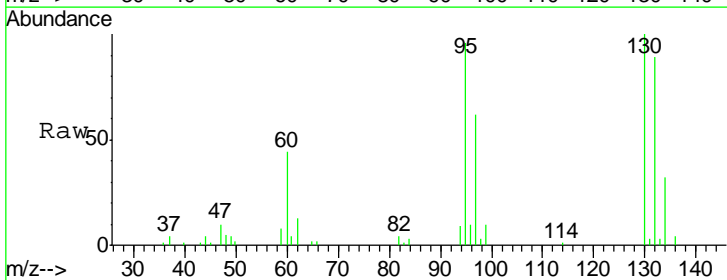
Instrument : MSVOA_N
 ClientSampled : 932-MW-03A(22)DL

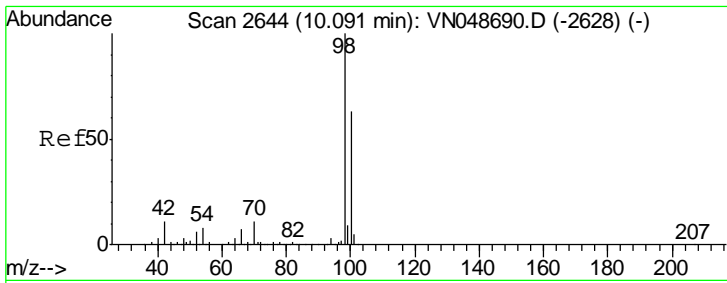
Tgt Ion	Resp	Lower	Upper
113	100		
111	103.8	81.7	122.5
192	19.1	17.6	26.4



#44
 Trichloroethene
 Concen: 7.17 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048793.D
 Acq: 31 May 2018 15:54

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.1	0.0	191.6

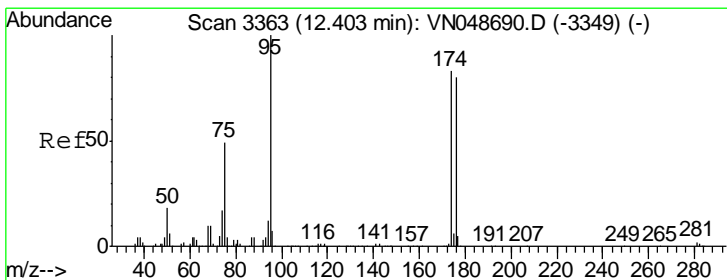
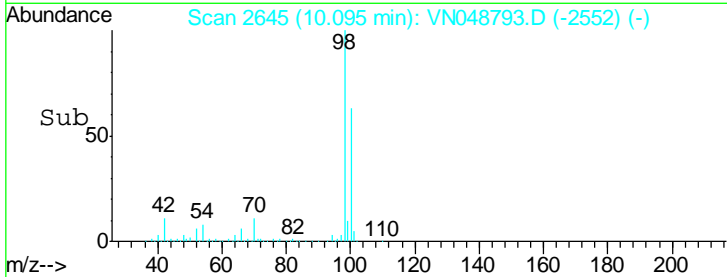
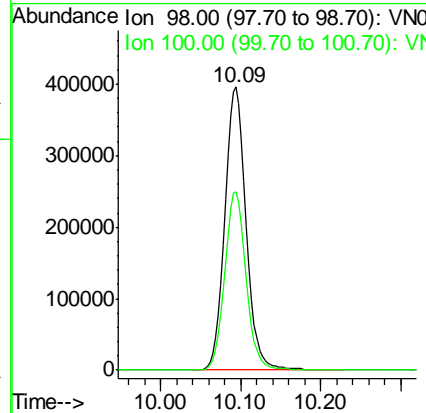
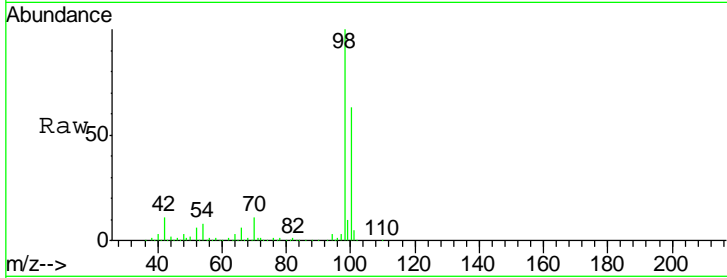




#50
 Toluene-d8
 Concen: 53.01 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048793.D
 Acq: 31 May 2018 15:54

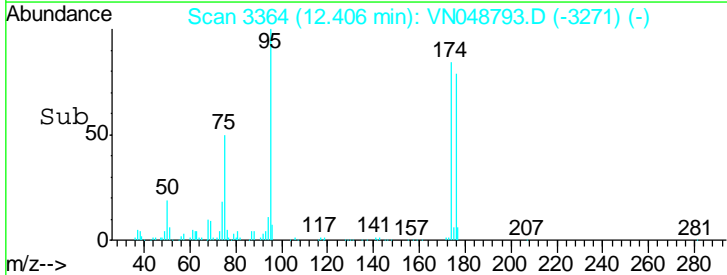
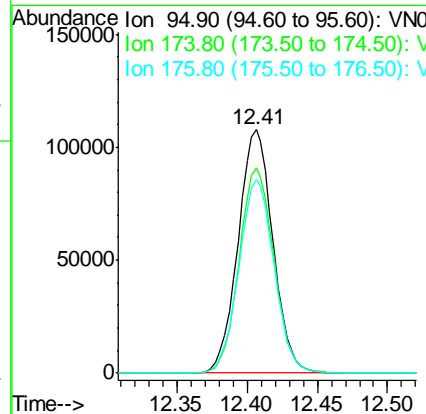
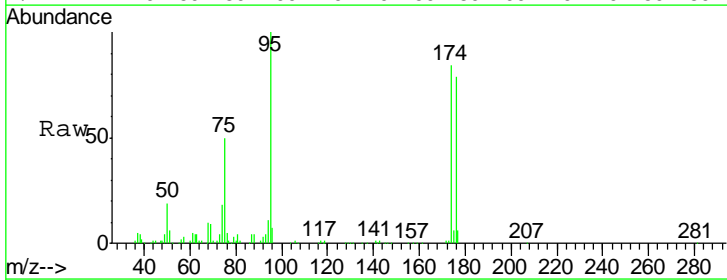
Instrument : MSVOA_N
 ClientSampled : 932-MW-03A(22)DL

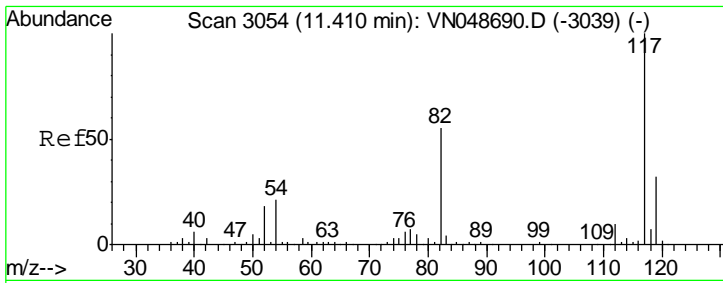
Tgt Ion	Resp	Lower	Upper
98	100		
100	63.3	51.2	76.8



#62
 4-Bromofluorobenzene
 Concen: 39.10 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN048793.D
 Acq: 31 May 2018 15:54

Tgt Ion	Resp	Lower	Upper
95	100		
174	84.5	0.0	173.8
176	80.9	0.0	170.0

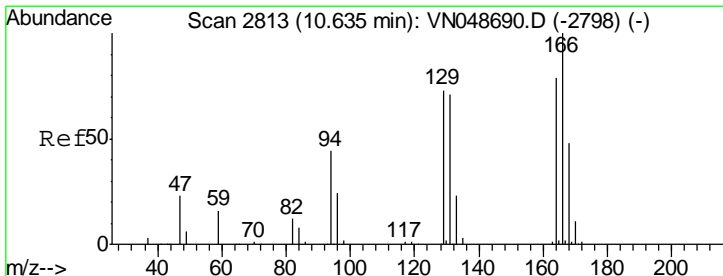
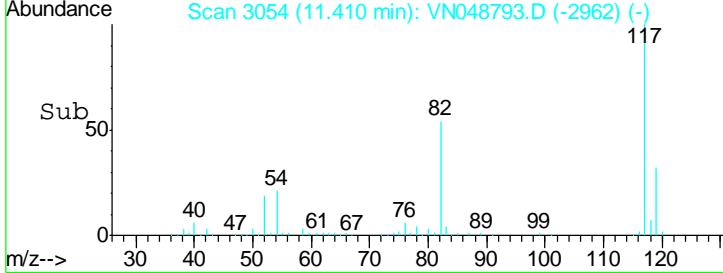
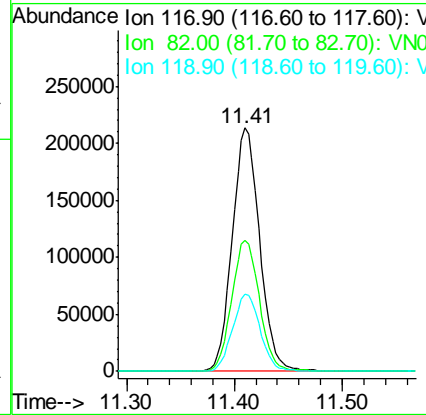
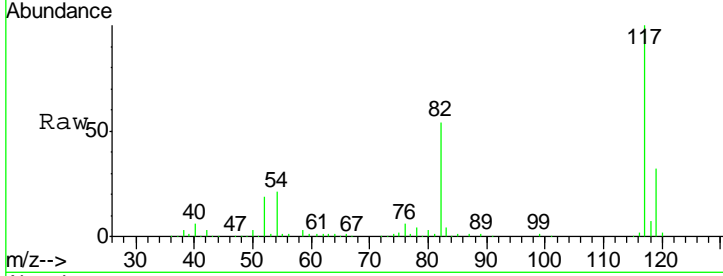




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048793.D
 Acq: 31 May 2018 15:54

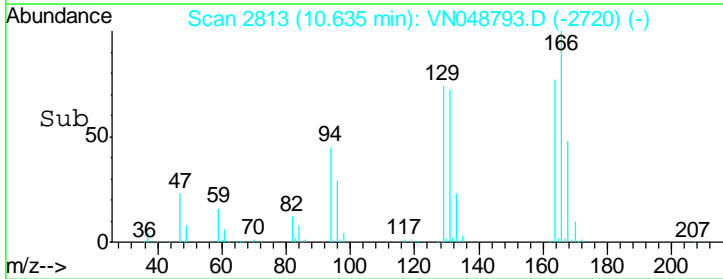
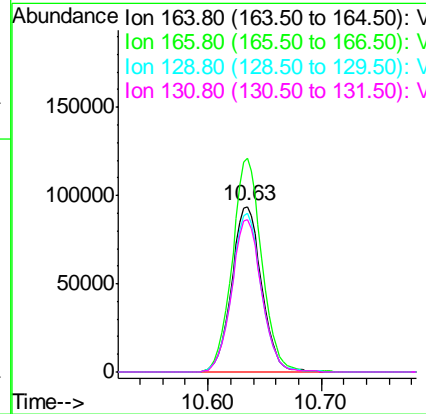
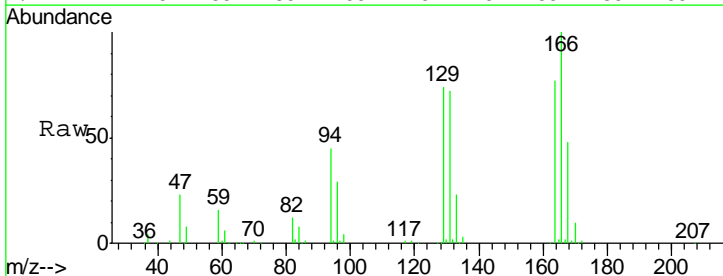
Instrument : MSVOA_N
 ClientSampleId : 932-MW-03A(22)DL

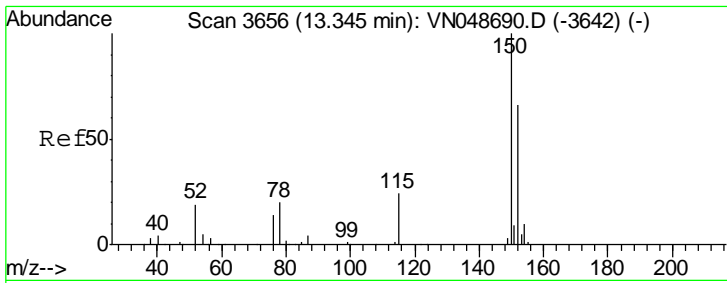
Tgt Ion	Resp	Lower	Upper
117	378938		
82	53.9	42.8	64.2
119	31.8	26.0	39.0



#64
 Tetrachloroethene
 Concen: 44.85 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048793.D
 Acq: 31 May 2018 15:54

Tgt Ion	Resp	Lower	Upper
164	172068		
166	129.1	102.7	154.1
129	95.6	74.3	111.5
131	92.3	71.4	107.0

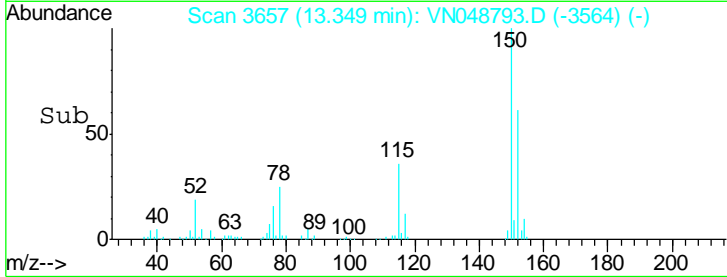
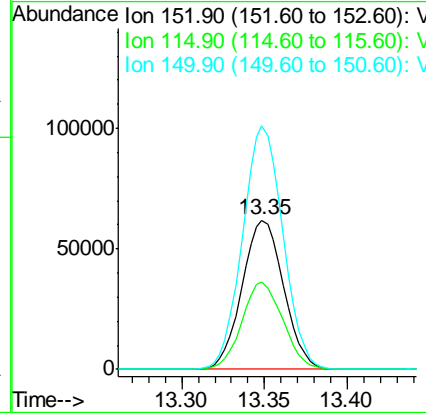
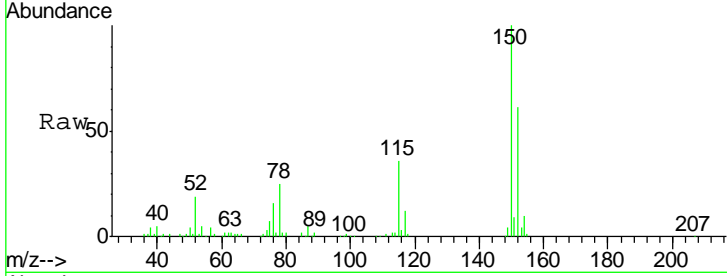




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048793.D
 Acq: 31 May 2018 15:54

Instrument : MSVOA_N
 ClientSampleId : 932-MW-03A(22)DL

Tot Ion	Resp	Lower	Upper
152	107940		
115	57.4	28.1	84.4
150	158.8	0.0	353.0



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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	933-MW-03A(28)	SDG No.:	J3131
Lab Sample ID:	J3131-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048766.D	1		05/31/18 03:01	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	2.8		0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5.7		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	4.3		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	2.2		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	100		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	68.7		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	933-MW-03A(28)	SDG No.:	J3131
Lab Sample ID:	J3131-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048766.D	1		05/31/18 03:01	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	400	EB	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.4		61 - 141		87%	SPK: 50
1868-53-7	Dibromofluoromethane	42.2		69 - 133		84%	SPK: 50
2037-26-5	Toluene-d8	42.1		65 - 126		84%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.1		58 - 135		64%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	297060	7.67				
540-36-3	1,4-Difluorobenzene	476000	8.59				
3114-55-4	Chlorobenzene-d5	397062	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	126182	13.35				
TENTATIVE IDENTIFIED COMPOUNDS							
000064-19-7	Acetic acid	7.7	J			8.22	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	933-MW-03A(28)	SDG No.:	J3131
Lab Sample ID:	J3131-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048766.D	1		05/31/18 03:01	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048766.D
 Acq On : 31 May 2018 3:01
 Operator : MD\SY
 Sample : J3131-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 933-MW-03A(28)

Quant Time: May 31 04:55:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	297060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	476000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	397062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	126182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	187366	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
35) Dibromofluoromethane	7.59	113	170156	42.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.42%	
50) Toluene-d8	10.09	98	626831	42.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.12%	
62) 4-Bromofluorobenzene	12.40	95	165274	32.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.26%	

Target Compounds

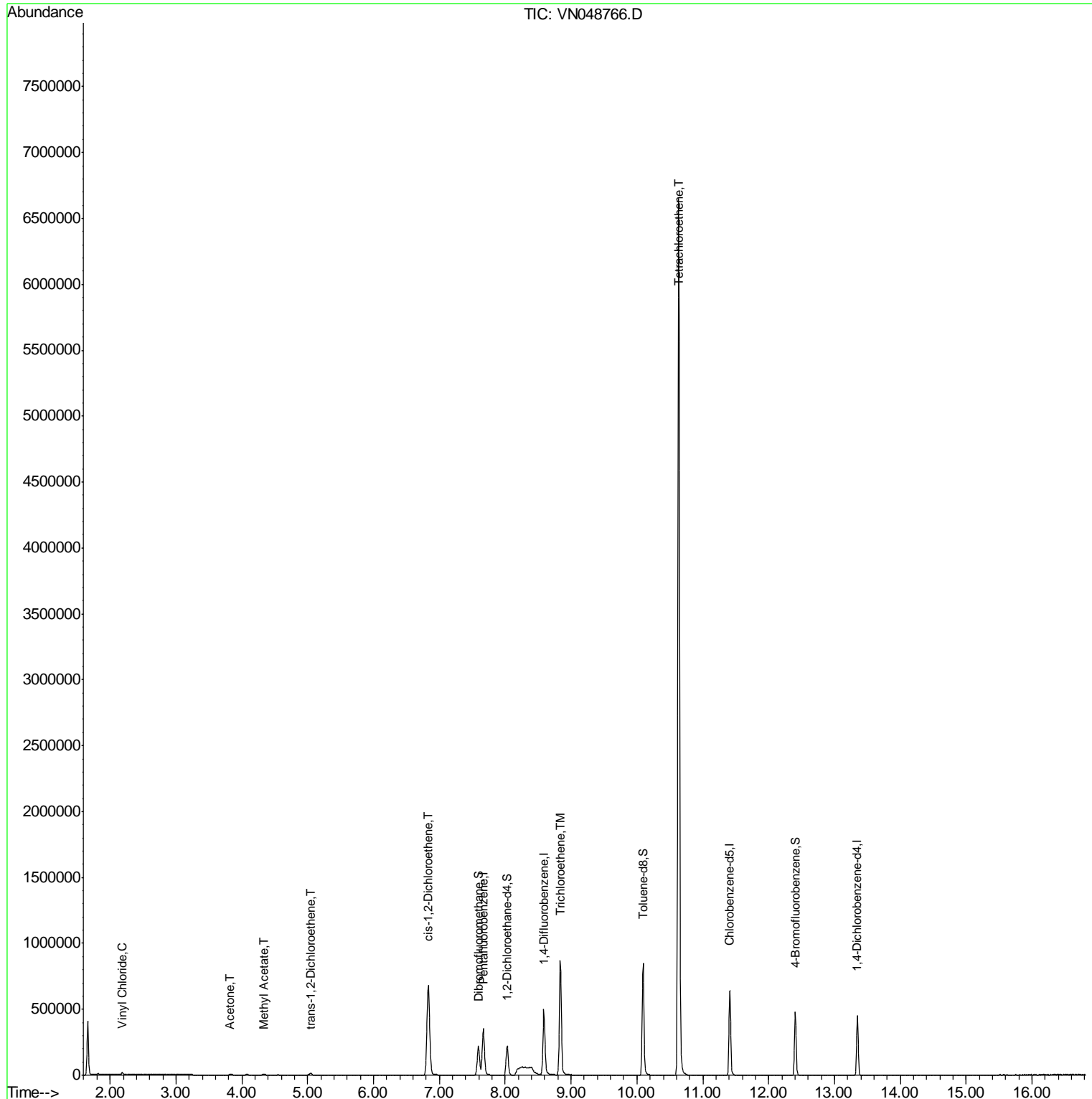
						Qvalue
4) Vinyl Chloride	2.18	62	13179	2.81	ug/l	96
16) Acetone	3.82	43	14996	5.73	ug/l	97
18) Methyl Acetate	4.33	43	15299	4.27	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	8976	2.17	ug/l	90
27) cis-1,2-Dichloroethene	6.83	96	466965	100.10	ug/l	92
44) Trichloroethene	8.84	130	339337	68.70	ug/l	94
64) Tetrachloroethene	10.63	164	1605933	399.50	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

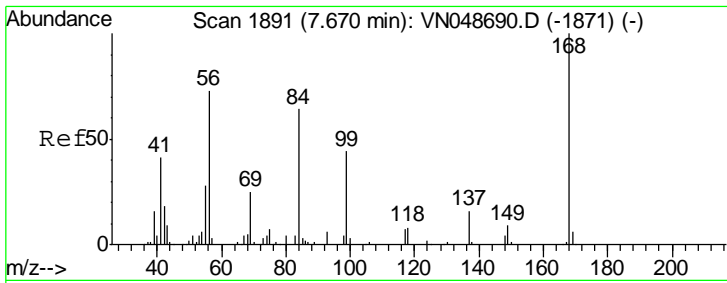
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048766.D
 Acq On : 31 May 2018 3:01
 Operator : MD\SY
 Sample : J3131-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 933-MW-03A(28)

Quant Time: May 31 04:55:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



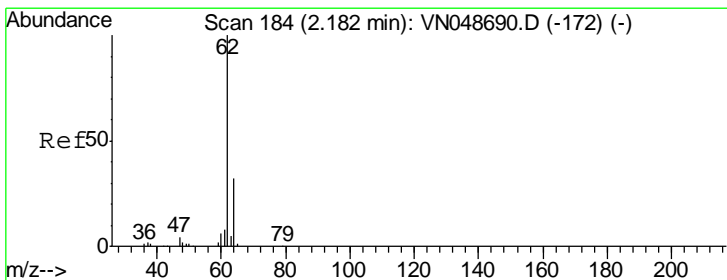
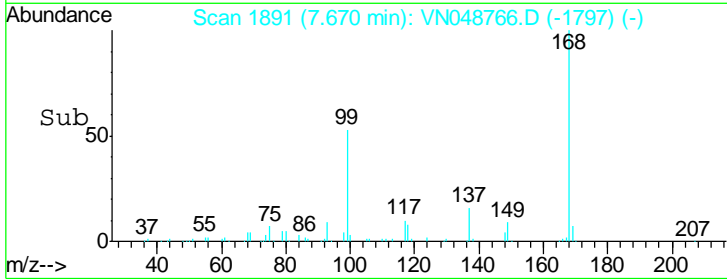
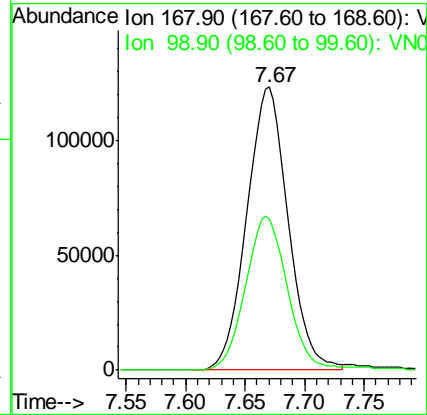
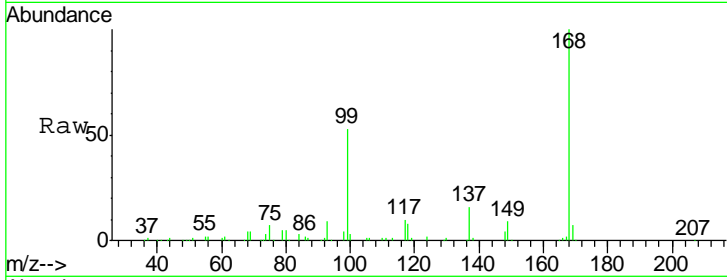
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

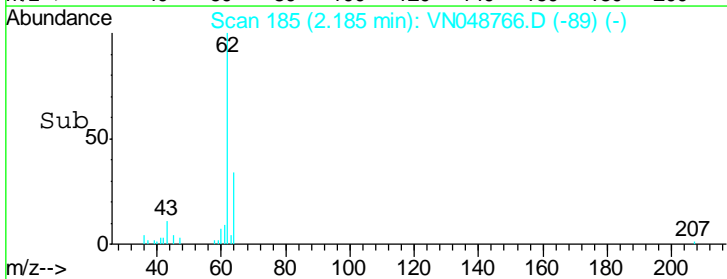
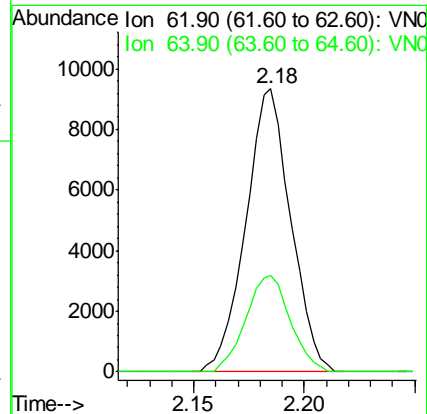
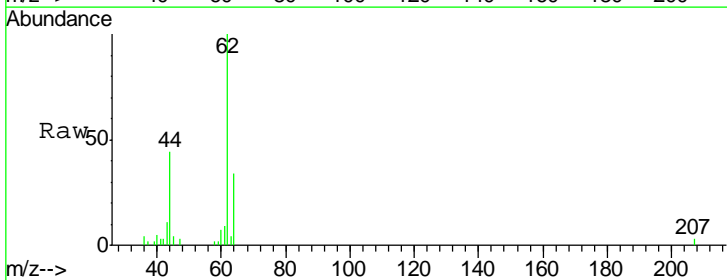
Instrument : MSVOA_N
 ClientSampled : 933-MW-03A(28)

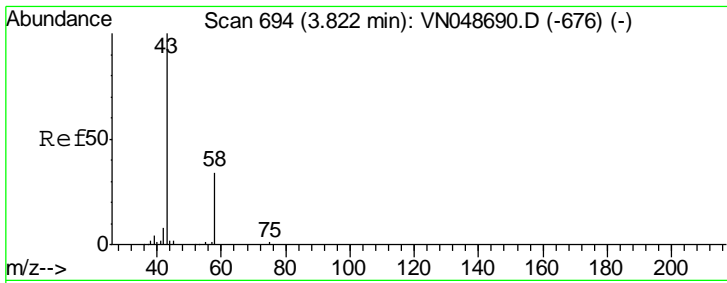
Tgt Ion	Resp	Lower	Upper
168	297060		
99	53.4	40.8	61.2



#4
 Vinyl Chloride
 Concen: 2.81 ug/l
 RT: 2.18 min Scan# 185
 Delta R.T. 0.01 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

Tgt Ion	Resp	Lower	Upper
62	13179		
64	34.3	25.6	38.4

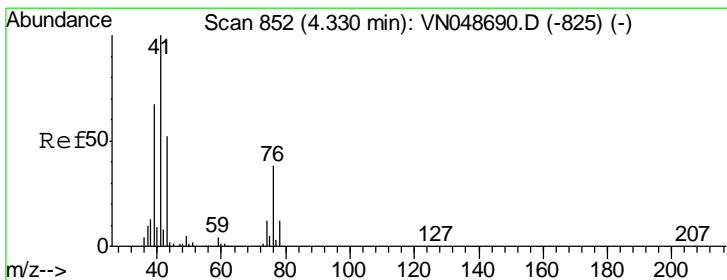
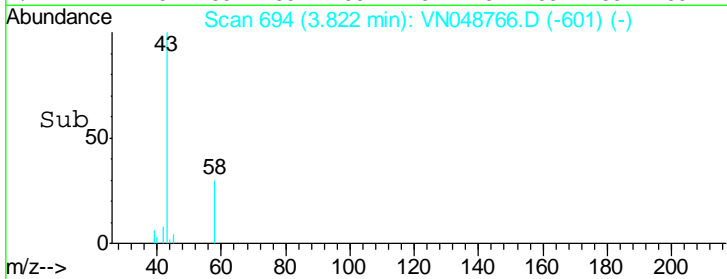
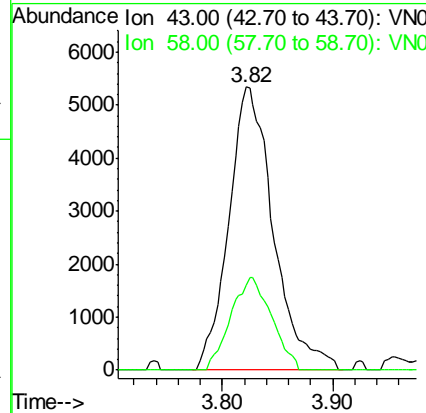
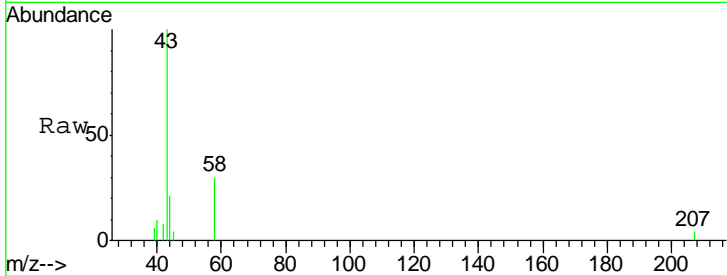




#16
 Acetone
 Concen: 5.73 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

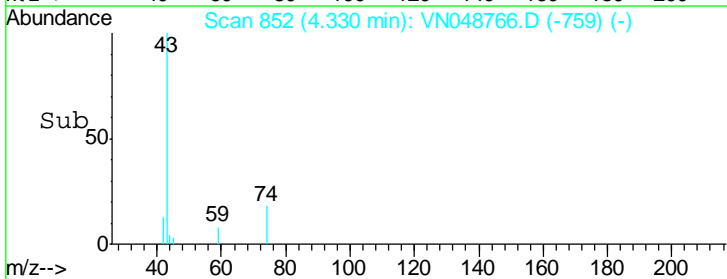
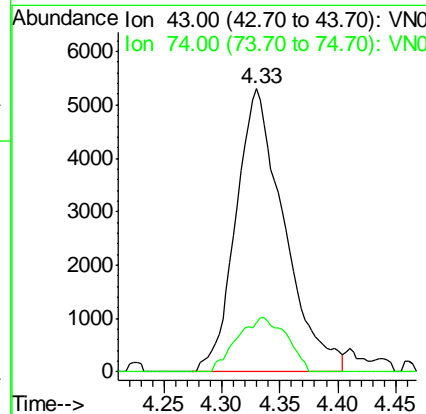
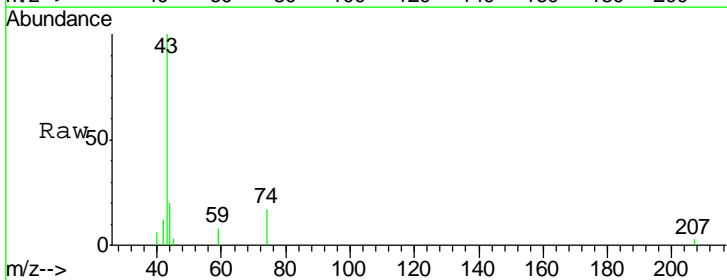
Instrument : MSVOA_N
 ClientSampled : 933-MW-03A(28)

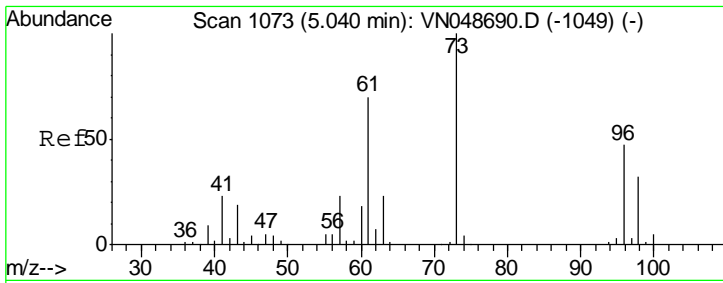
Tgt Ion	Resp	Lower	Upper
43	14996		
58	29.9	25.4	38.0



#18
 Methyl Acetate
 Concen: 4.27 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

Tgt Ion	Resp	Lower	Upper
43	15299		
74	19.8	18.4	27.6

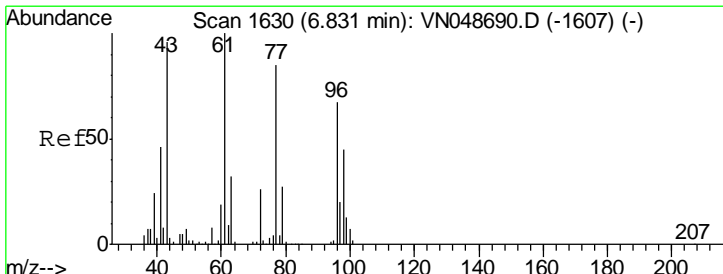
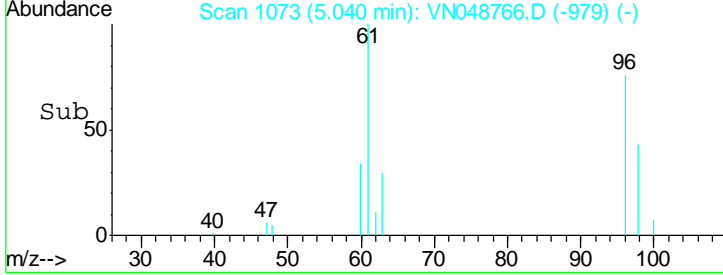
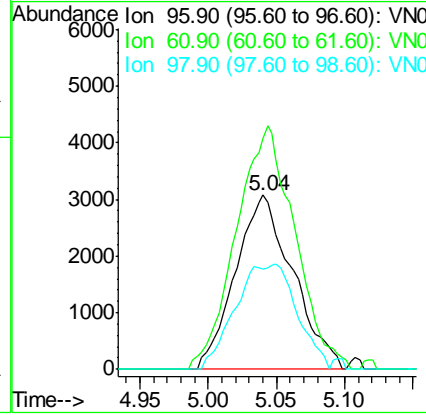
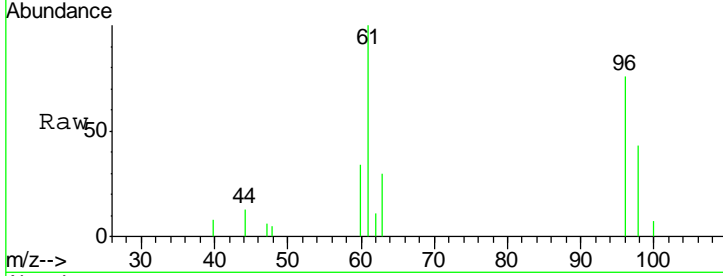




#21
 trans-1,2-Dichloroethene
 Concen: 2.17 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

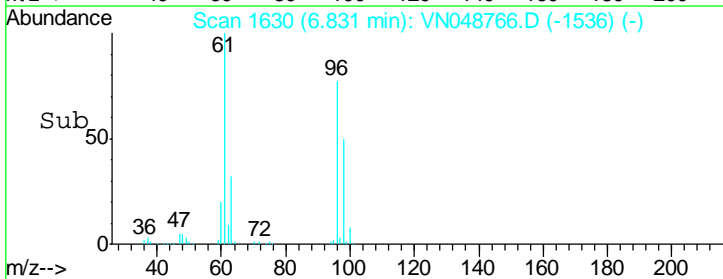
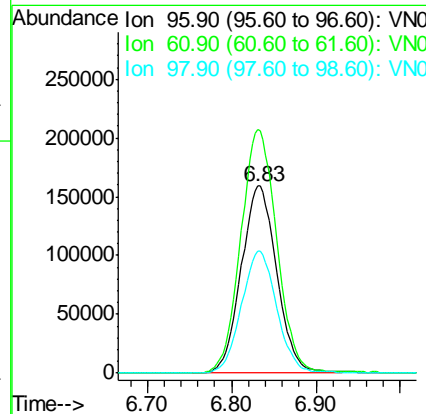
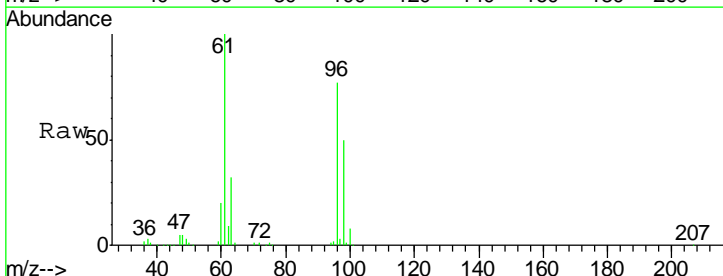
Instrument : MSVOA_N
 ClientSampleId : 933-MW-03A(28)

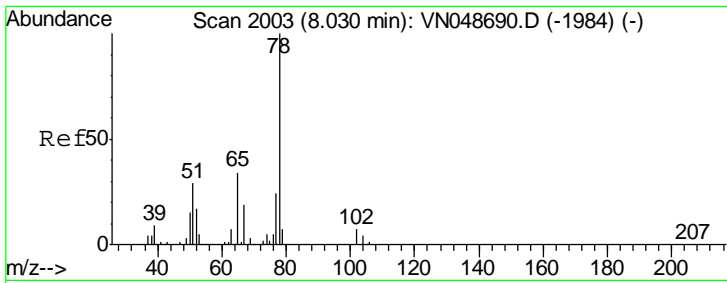
Tgt Ion	Resp	Lower	Upper
96	8976		
61	127.0	112.2	168.2
98	57.4	50.5	75.7



#27
 cis-1,2-Dichloroethene
 Concen: 100.10 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

Tgt Ion	Resp	Lower	Upper
96	466965		
61	132.1	0.0	292.6
98	65.0	0.0	128.2

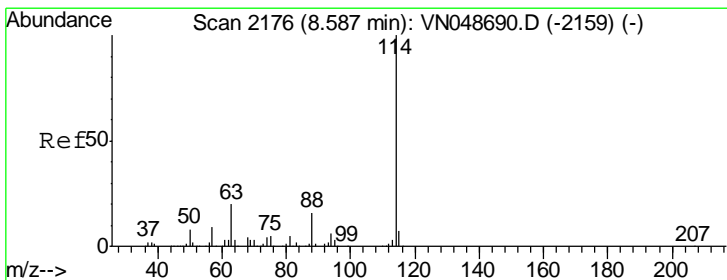
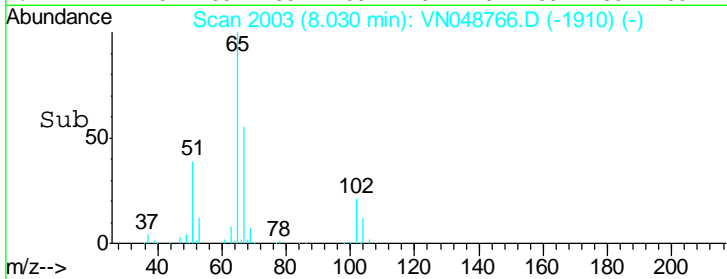
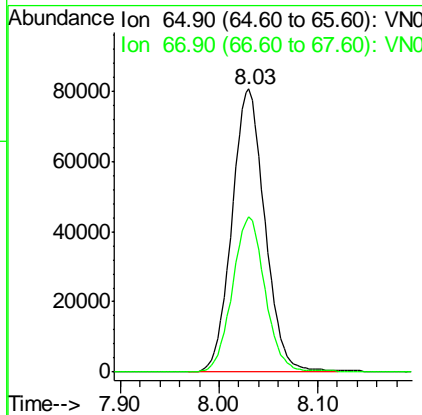
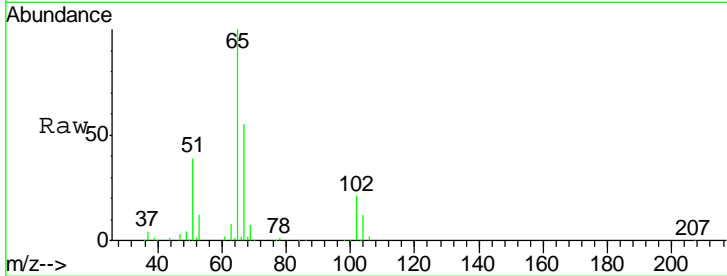




#33
 1,2-Dichloroethane-d4
 Concen: 43.40 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

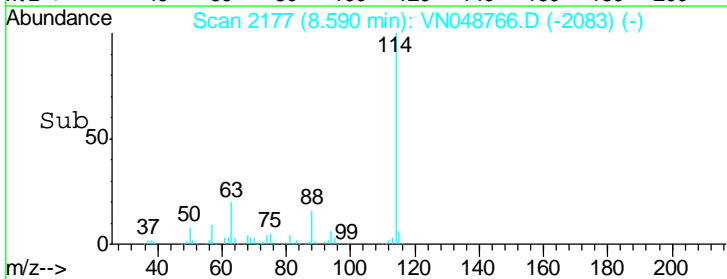
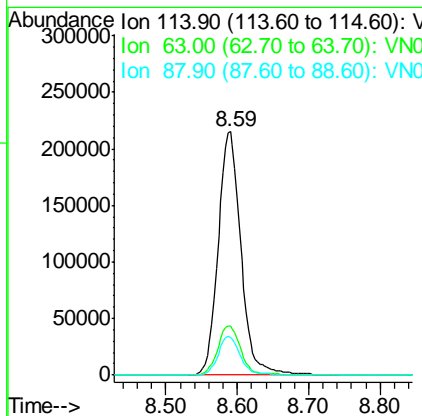
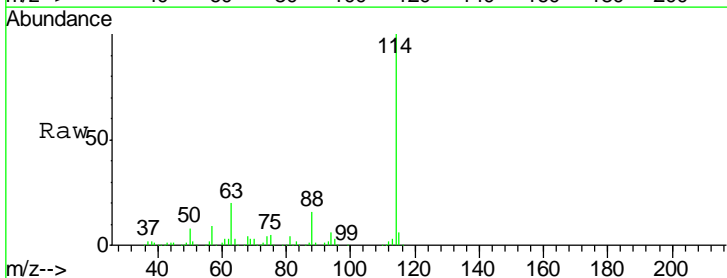
Instrument : MSVOA_N
 ClientSampled : 933-MW-03A(28)

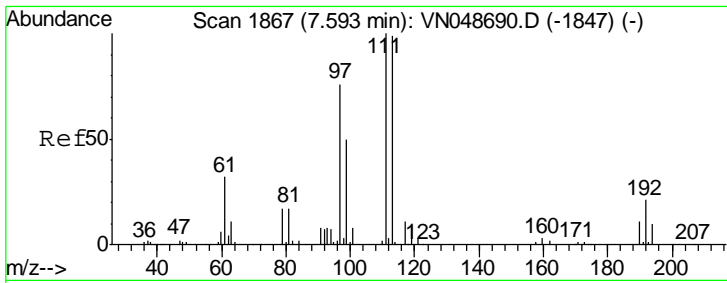
Tgt Ion	Resp	Lower	Upper
65	187366		
65	100		
67	54.0	0.0	108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

Tgt Ion	Resp	Lower	Upper
114	476000		
114	100		
63	19.9	0.0	40.0
88	15.5	0.0	31.0

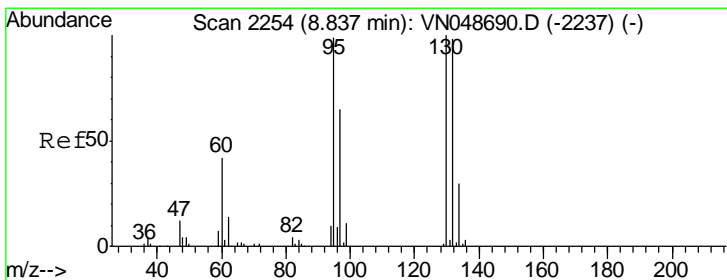
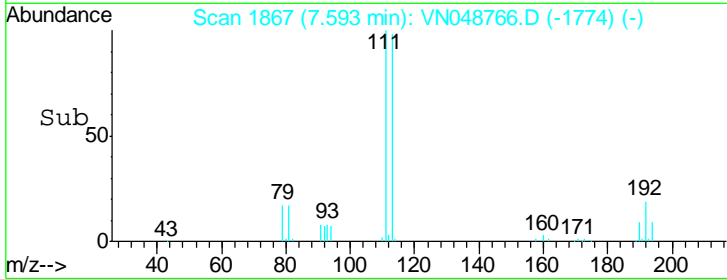
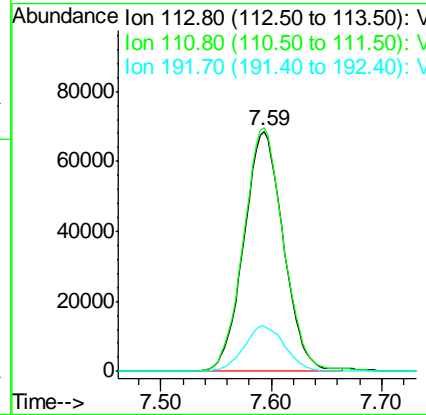
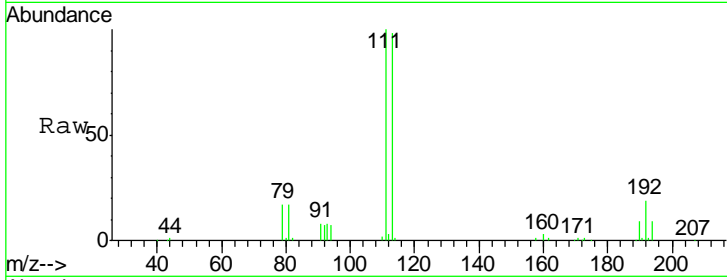




#35
 Dibromofluoromethane
 Concen: 42.21 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

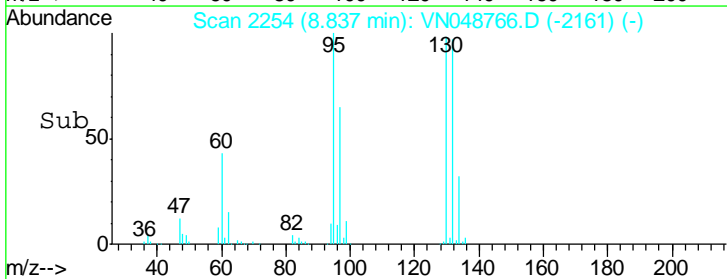
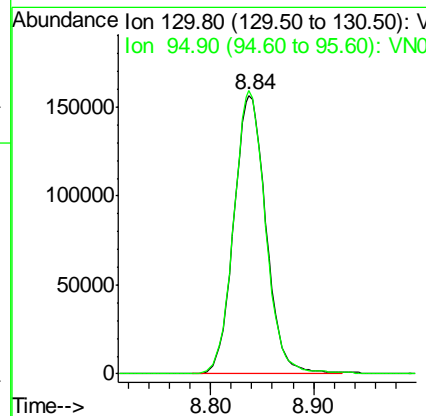
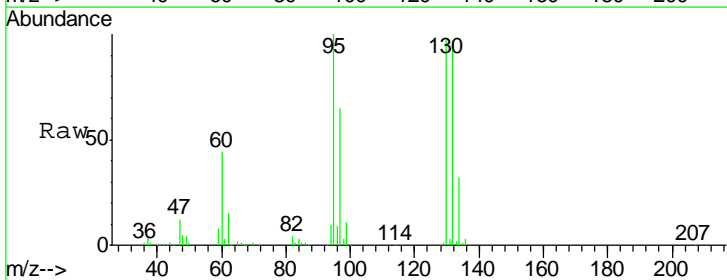
Instrument : MSVOA_N
 ClientSampleId : 933-MW-03A(28)

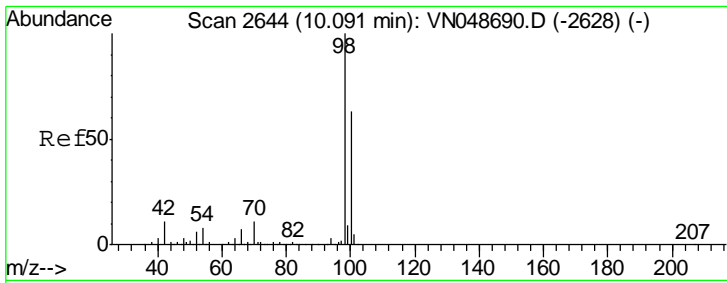
Tgt Ion	Resp	Lower	Upper
113	170156		
111	102.9	81.7	122.5
192	19.6	17.6	26.4



#44
 Trichloroethene
 Concen: 68.70 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

Tgt Ion	Resp	Lower	Upper
130	339337		
130	100		
95	101.6	0.0	191.6

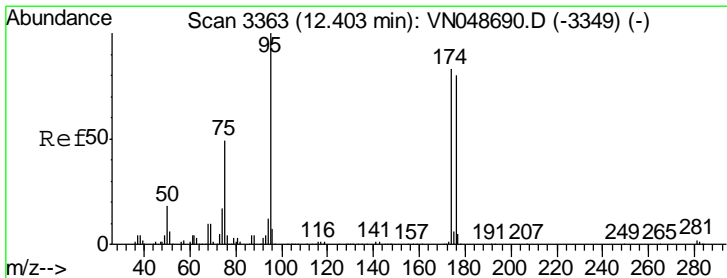
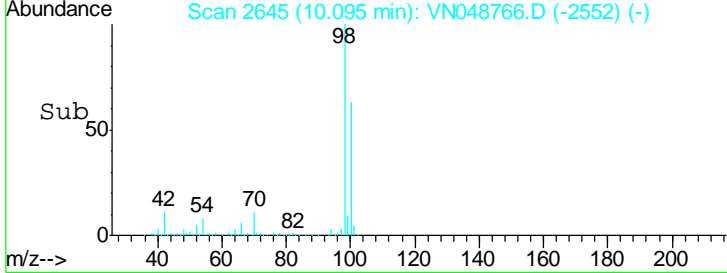
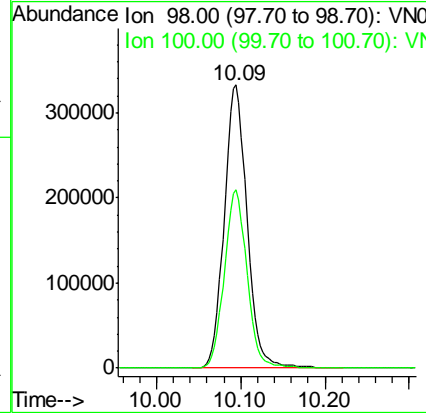
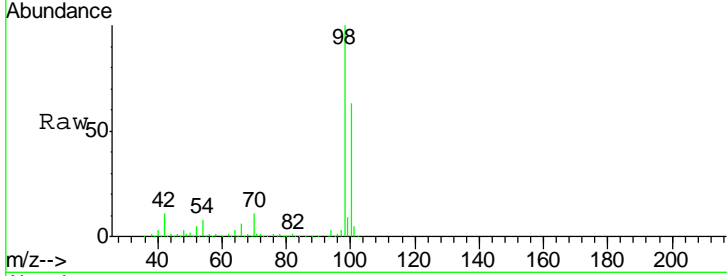




#50
 Toluene-d8
 Concen: 42.06 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

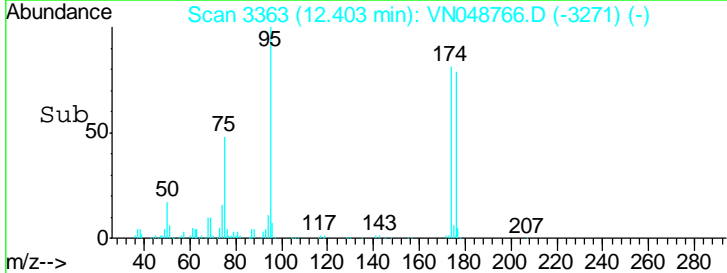
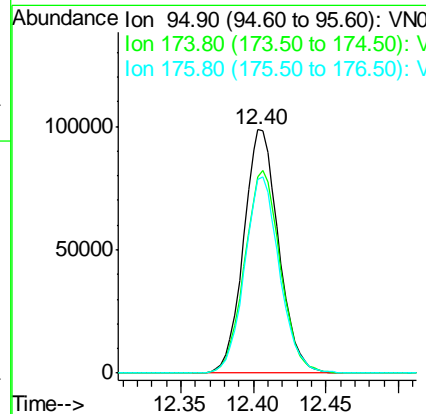
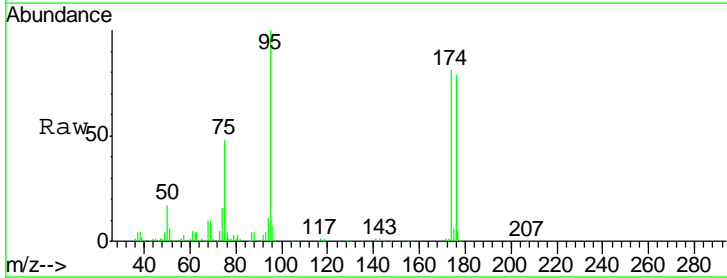
Instrument : MSVOA_N
 ClientSampled : 933-MW-03A(28)

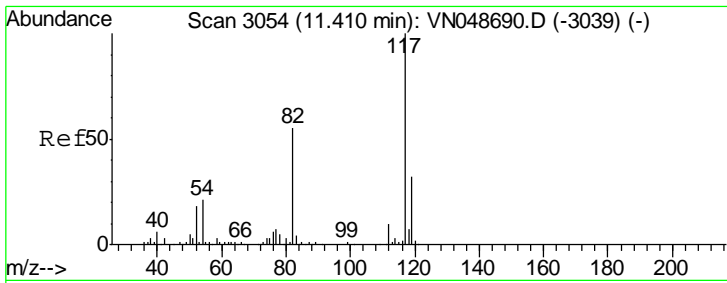
Tgt Ion	Resp	Lower	Upper
98	100		
100	62.8	51.2	76.8



#62
 4-Bromofluorobenzene
 Concen: 32.13 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

Tgt Ion	Resp	Lower	Upper
95	100		
174	84.9	0.0	173.8
176	80.4	0.0	170.0

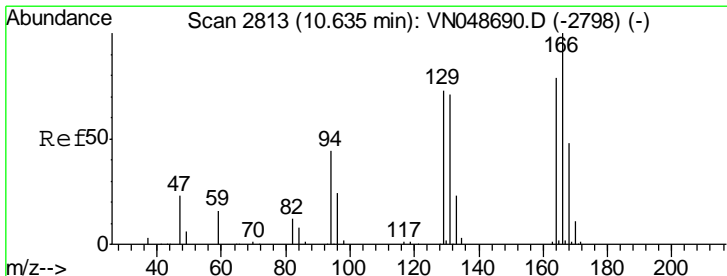
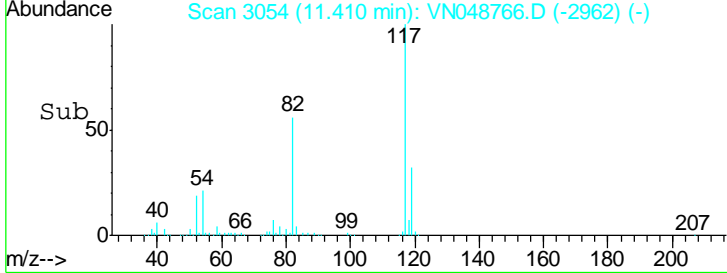
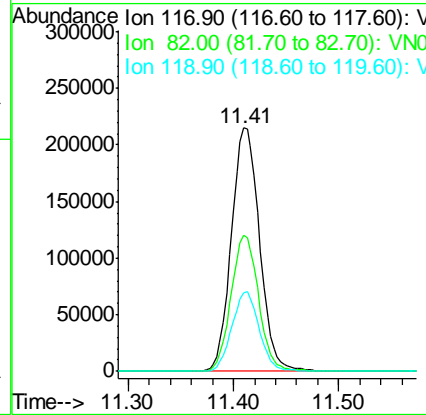
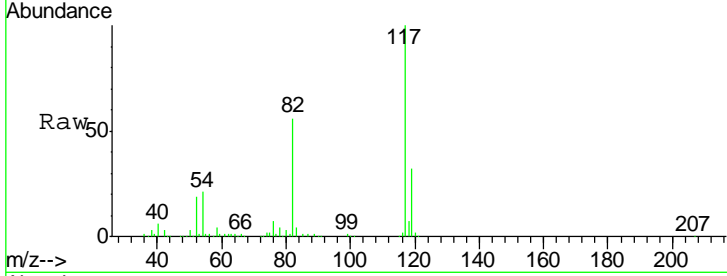




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

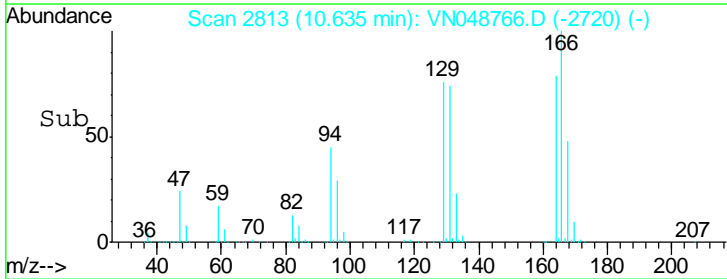
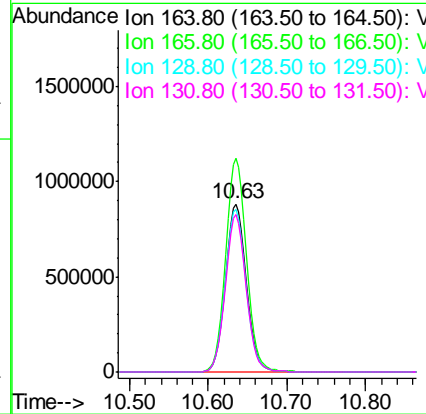
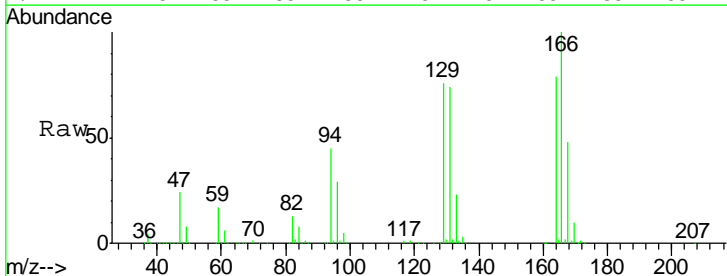
Instrument : MSVOA_N
 ClientSampleId : 933-MW-03A(28)

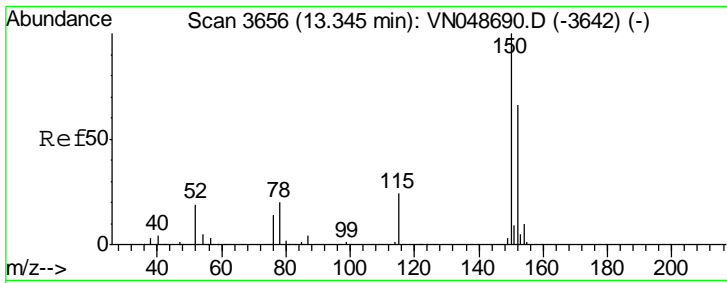
Tgt Ion	Resp	Lower	Upper
117	397062		
82	55.8	42.8	64.2
119	32.4	26.0	39.0



#64
 Tetrachloroethene
 Concen: 399.50 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

Tgt Ion	Resp	Lower	Upper
164	1605933		
166	127.0	102.7	154.1
129	96.6	74.3	111.5
131	93.5	71.4	107.0

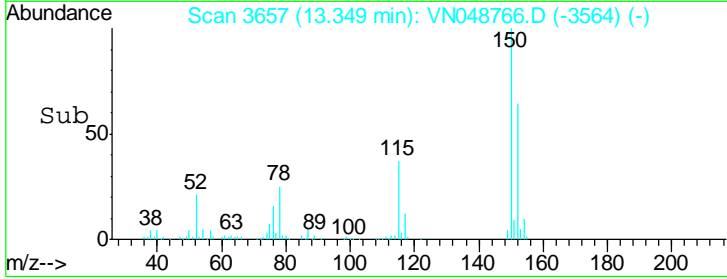
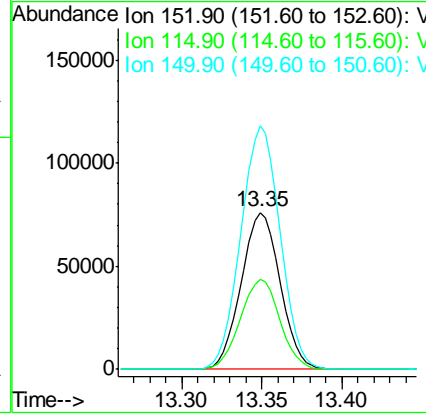
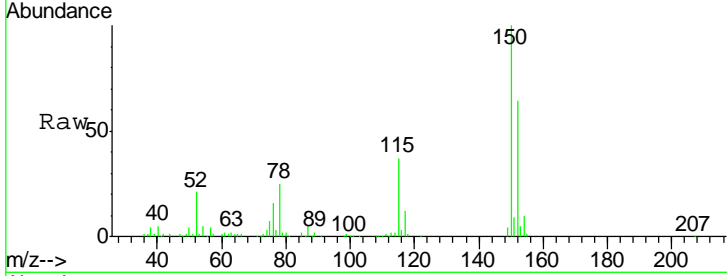




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048766.D
 Acq: 31 May 2018 3:01

Instrument : MSVOA_N
 ClientSampled : 933-MW-03A(28)

Tot Ion	Resp	Lower	Upper
152	126182		
152	100		
115	58.4	28.1	84.4
150	156.7	0.0	353.0



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Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048766.D
 Acq On : 31 May 2018 3:01
 Operator : MD\SY
 Sample : J3131-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 933-MW-03A(28)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.661	10	22	43	rBV	408844	625702	5.16%	2.590%
2	6.831	1606	1630	1664	rBV	680610	2013174	16.59%	8.333%
3	7.593	1847	1867	1878	rBV	221423	544831	4.49%	2.255%
4	7.667	1878	1890	1924	rVB	350949	858372	7.07%	3.553%
5	8.030	1984	2003	2032	rBV	223741	523967	4.32%	2.169%
6	8.217	2035	2061	2062	rBV2	55487	166115	1.37%	0.688%
7	8.587	2162	2176	2210	rVB	493690	1078027	8.88%	4.462%
8	8.837	2238	2254	2293	rBV	869554	1851027	15.25%	7.662%
9	10.095	2628	2645	2676	rBV	848773	1611559	13.28%	6.671%
10	10.635	2797	2813	2855	rVB	6650770	12136622	100.00%	50.238%
11	11.410	3037	3054	3085	rBV	642172	1176165	9.69%	4.869%
12	12.406	3349	3364	3381	rBV	477597	812527	6.69%	3.363%
13	13.349	3644	3657	3673	rVB	453032	760118	6.26%	3.146%

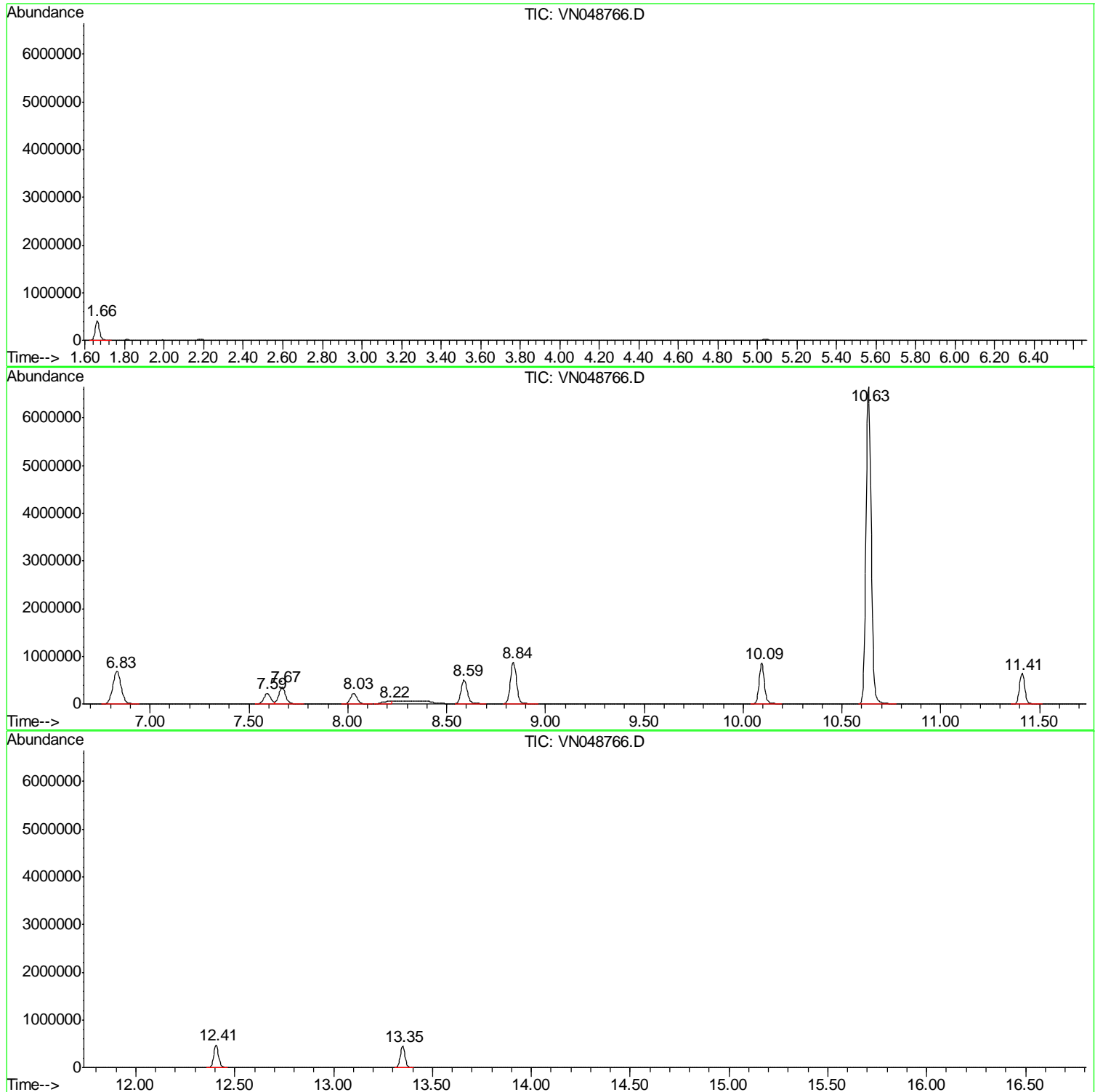
Sum of corrected areas: 24158206

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
Data File : VN048766.D
Acq On : 31 May 2018 3:01
Operator : MD\SY
Sample : J3131-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
933-MW-03A(28)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048766.D
 Acq On : 31 May 2018 3:01
 Operator : MD\SY
 Sample : J3131-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 933-MW-03A(28)

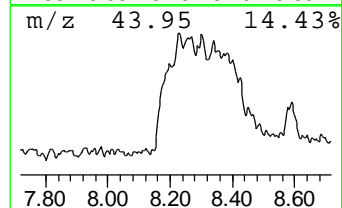
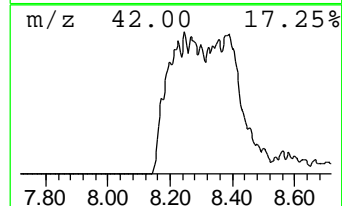
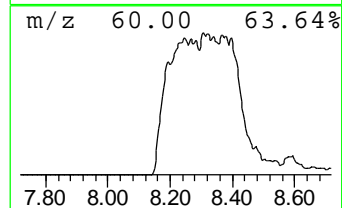
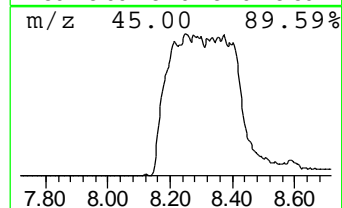
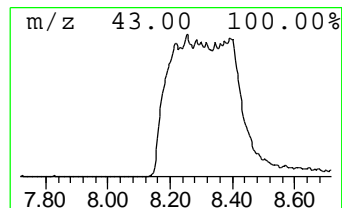
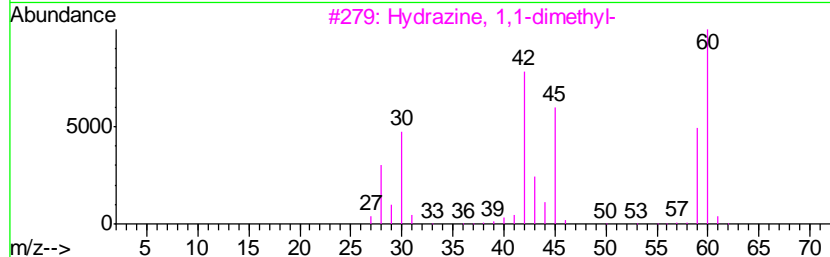
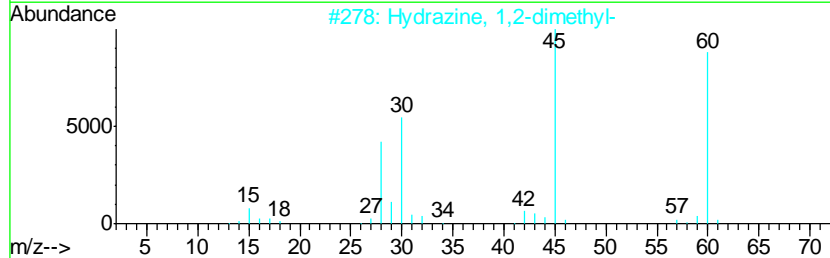
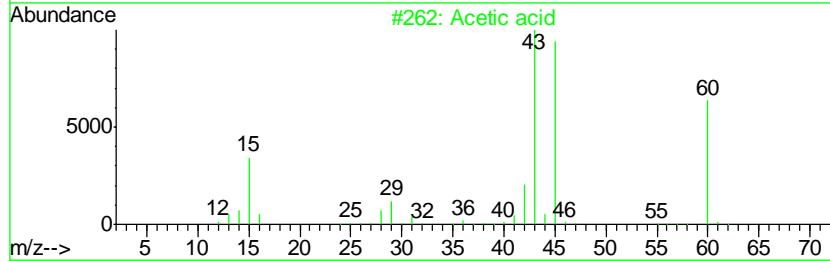
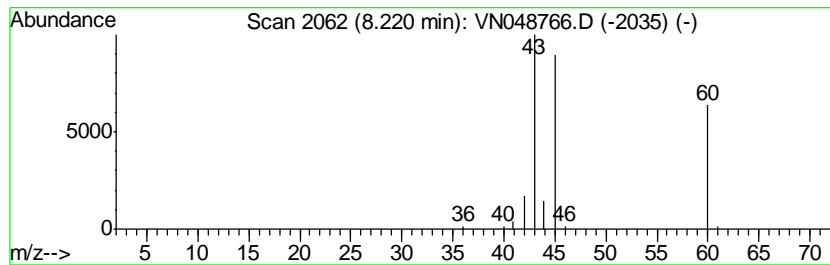
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Acetic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	7.70 ug/l	166115	1,4-Difluorobenzene	8.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acetic acid	60	C2H4O2	000064-19-7	90
2		Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	64
3		Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	9
4		Formic acid hydrazide	60	CH4N2O	000624-84-0	9
5		Ammonium acetate	77	C2H7NO2	000631-61-8	9



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
 Data File : VN048766.D
 Acq On : 31 May 2018 3:01
 Operator : MD\SY
 Sample : J3131-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 933-MW-03A(28)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Acetic acid	8.22	7.7	ug/l	166115	2	8.59	1078030	50.0

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	933-MW-03A(28)DL	SDG No.:	J3131
Lab Sample ID:	J3131-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048790.D	5		05/31/18 14:36	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5	UD	1	1	5	ug/L
74-87-3	Chloromethane	5	UD	1	1	5	ug/L
75-01-4	Vinyl Chloride	5	UD	1	1	5	ug/L
74-83-9	Bromomethane	5	UD	1	1	5	ug/L
75-00-3	Chloroethane	5	UD	1	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	5	UD	1	1	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5	UD	1	1	5	ug/L
75-35-4	1,1-Dichloroethene	5	UD	1	1	5	ug/L
67-64-1	Acetone	25	UD	2.5	5	25	ug/L
75-15-0	Carbon Disulfide	5	UD	1	1	5	ug/L
1634-04-4	Methyl tert-butyl Ether	5	UD	1.8	2.5	5	ug/L
79-20-9	Methyl Acetate	5	UD	1	2.5	5	ug/L
75-09-2	Methylene Chloride	5	UD	1	1	5	ug/L
156-60-5	trans-1,2-Dichloroethene	5	UD	1	1	5	ug/L
75-34-3	1,1-Dichloroethane	5	UD	1	1	5	ug/L
110-82-7	Cyclohexane	5	UD	1	1	5	ug/L
78-93-3	2-Butanone	25	UD	6.6	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	5	UD	1	1	5	ug/L
156-59-2	cis-1,2-Dichloroethene	96.1	D	1	1	5	ug/L
74-97-5	Bromochloromethane	5	UD	1	2.5	5	ug/L
67-66-3	Chloroform	5	UD	1	1	5	ug/L
71-55-6	1,1,1-Trichloroethane	5	UD	1	1	5	ug/L
108-87-2	Methylcyclohexane	5	UD	1	1	5	ug/L
71-43-2	Benzene	5	UD	1	1	5	ug/L
107-06-2	1,2-Dichloroethane	5	UD	1	1	5	ug/L
79-01-6	Trichloroethene	67.1	D	1	1	5	ug/L
78-87-5	1,2-Dichloropropane	5	UD	1	1	5	ug/L
75-27-4	Bromodichloromethane	5	UD	1	1	5	ug/L
108-10-1	4-Methyl-2-Pentanone	25	UD	5	5	25	ug/L
108-88-3	Toluene	5	UD	1	1	5	ug/L
10061-02-6	t-1,3-Dichloropropene	5	UD	1	1	5	ug/L
10061-01-5	cis-1,3-Dichloropropene	5	UD	1	1	5	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	933-MW-03A(28)DL	SDG No.:	J3131
Lab Sample ID:	J3131-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048790.D	5		05/31/18 14:36	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	5	UD	1	1	5	ug/L
591-78-6	2-Hexanone	25	UD	9.7	12.5	25	ug/L
124-48-1	Dibromochloromethane	5	UD	1	1	5	ug/L
106-93-4	1,2-Dibromoethane	5	UD	1	1	5	ug/L
127-18-4	Tetrachloroethene	360	D	1	1	5	ug/L
108-90-7	Chlorobenzene	5	UD	1	1	5	ug/L
100-41-4	Ethyl Benzene	5	UD	1	1	5	ug/L
179601-23-1	m/p-Xylenes	10	UD	2	2	10	ug/L
95-47-6	o-Xylene	5	UD	1	1	5	ug/L
100-42-5	Styrene	5	UD	1	1	5	ug/L
75-25-2	Bromoform	5	UD	1	1	5	ug/L
98-82-8	Isopropylbenzene	5	UD	1	1	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5	UD	1	1	5	ug/L
541-73-1	1,3-Dichlorobenzene	5	UD	1	1	5	ug/L
106-46-7	1,4-Dichlorobenzene	5	UD	1	1	5	ug/L
95-50-1	1,2-Dichlorobenzene	5	UD	1	1	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5	UD	1	1	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	5	UD	1	1	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	5	UD	1	1	5	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54		61 - 141		108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		69 - 133		107%	SPK: 50
2037-26-5	Toluene-d8	52.8		65 - 126		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.4		58 - 135		81%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	290437	7.67				
540-36-3	1,4-Difluorobenzene	453453	8.59				
3114-55-4	Chlorobenzene-d5	395442	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	118608	13.35				

**Report of Analysis**

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	933-MW-03A(28)DL	SDG No.:	J3131
Lab Sample ID:	J3131-05DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048790.D	5		05/31/18 14:36	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048790.D
 Acq On : 31 May 2018 14:36
 Operator : MD\SY
 Sample : J3131-05DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 933-MW-03A(28)DL

Quant Time: May 31 17:17:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

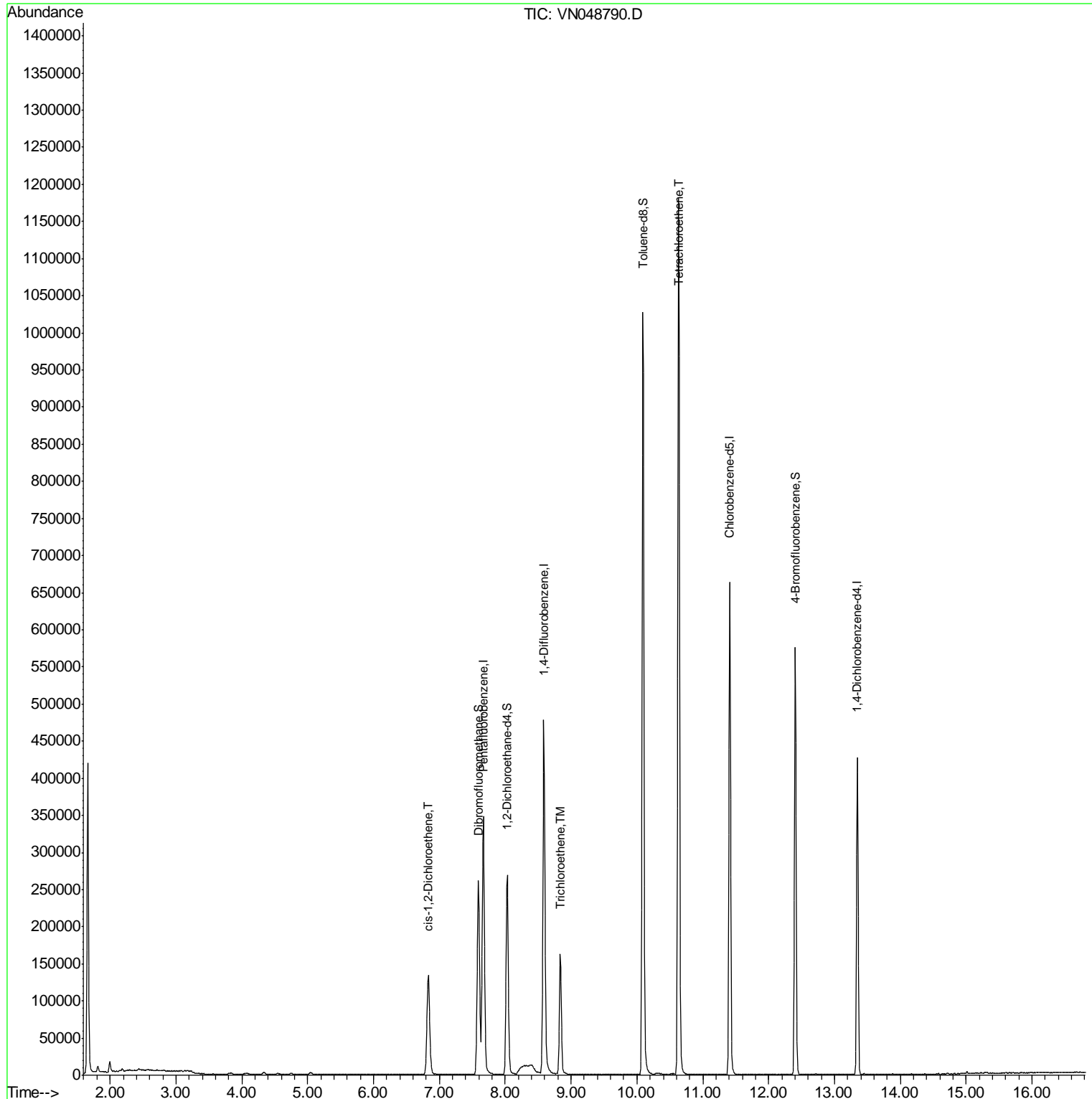
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	290437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	453453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	395442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	118608	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	227870	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
35) Dibromofluoromethane	7.59	113	204552	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
50) Toluene-d8	10.09	98	748843	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.40	95	197751	40.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.72%	
Target Compounds						
27) cis-1,2-Dichloroethene	6.83	96	87647	19.22	ug/l	91
44) Trichloroethene	8.84	130	63155	13.42	ug/l	97
64) Tetrachloroethene	10.63	164	288159	71.98	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

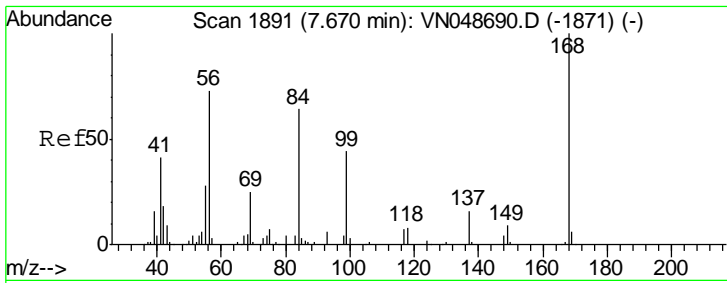
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 Data File : VN048790.D
 Acq On : 31 May 2018 14:36
 Operator : MD\SY
 Sample : J3131-05DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 933-MW-03A(28)DL

Quant Time: May 31 17:17:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



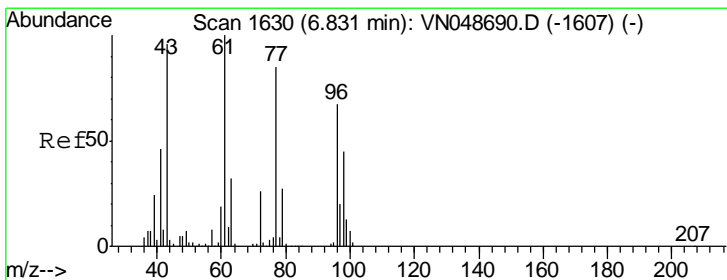
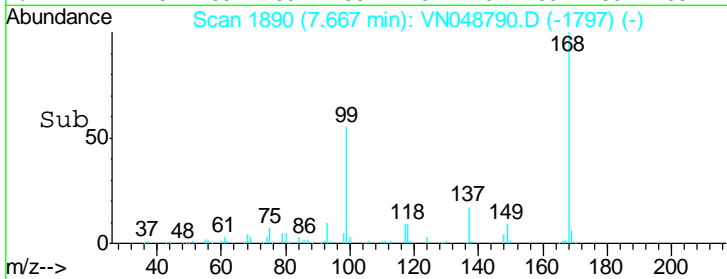
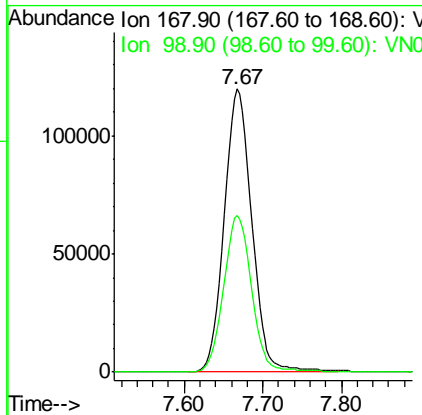
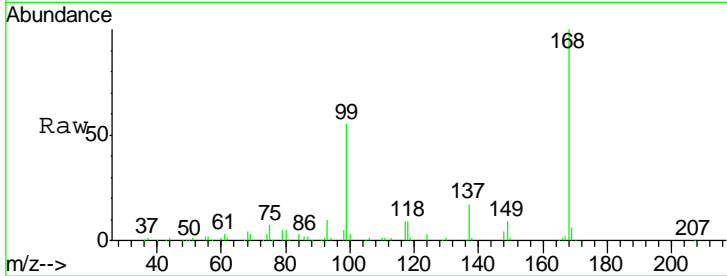
- 1
- 2
- 3
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- 8
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- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN048790.D
 Acq: 31 May 2018 14:36

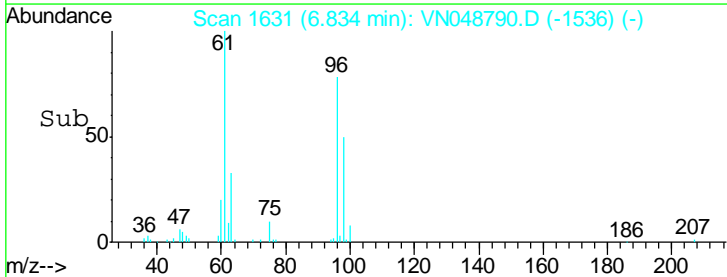
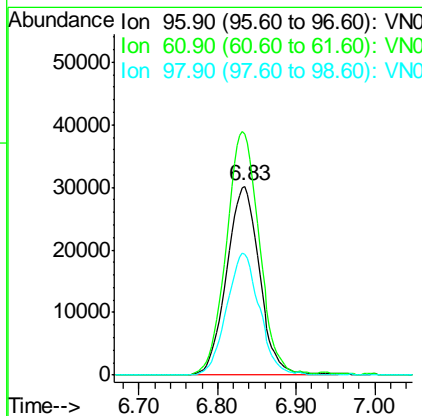
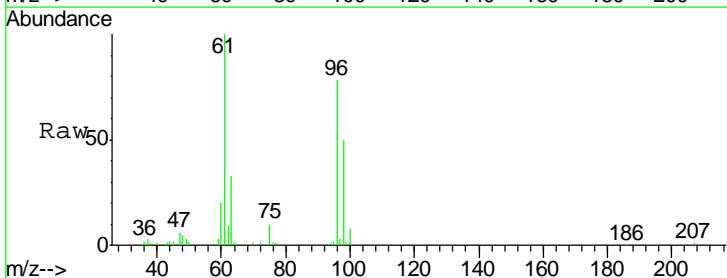
Instrument :
 MSVOA_N
 ClientSampleId :
 933-MW-03A(28)DL

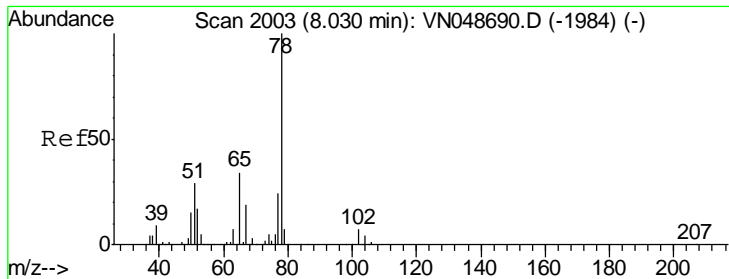
Tgt Ion	Resp	Lower	Upper
168	290437		
99	55.4	40.8	61.2



#27
 cis-1,2-Dichloroethene
 Concen: 19.22 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: VN048790.D
 Acq: 31 May 2018 14:36

Tgt Ion	Resp	Lower	Upper
96	87647		
61	129.3	0.0	292.6
98	64.0	0.0	128.2

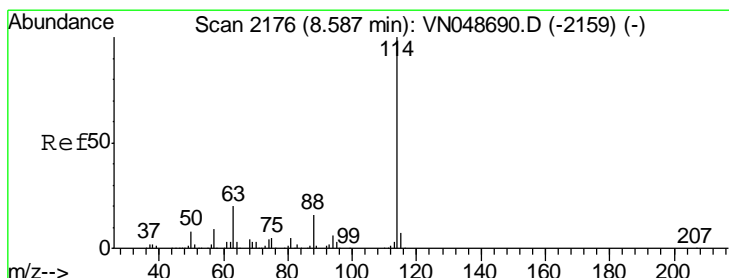
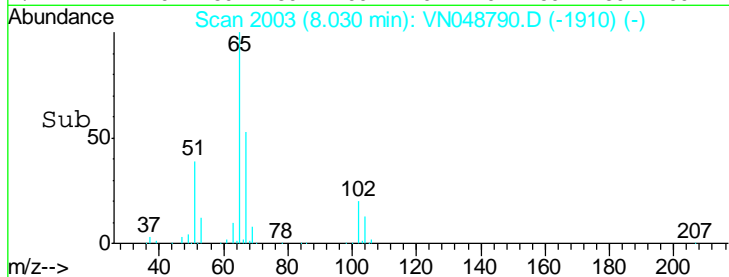
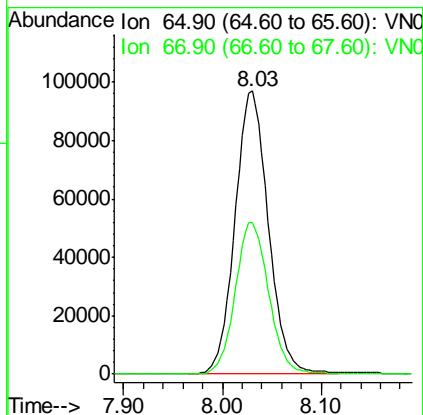
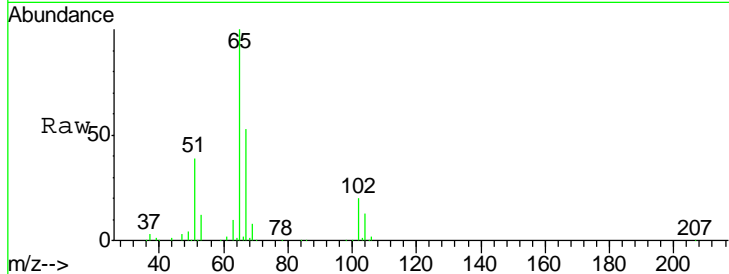




#33
 1,2-Dichloroethane-d4
 Concen: 53.99 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN048790.D
 Acq: 31 May 2018 14:36

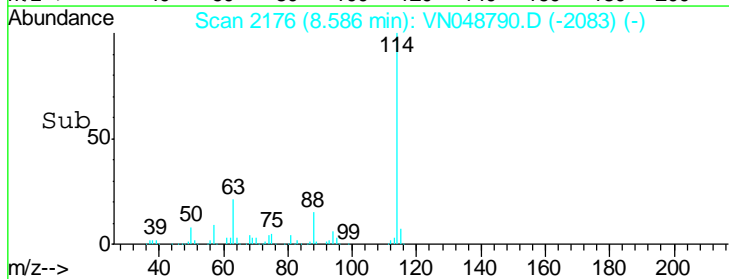
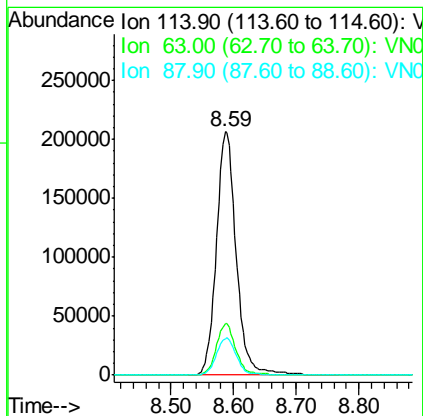
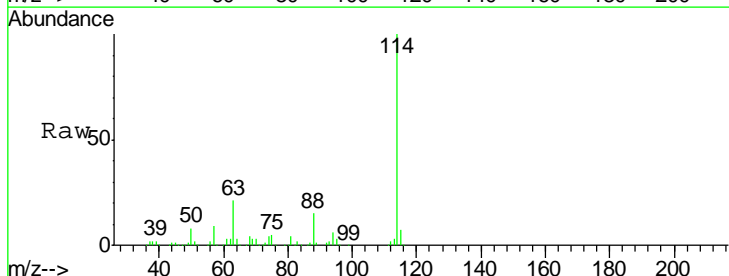
Instrument :
 MSVOA_N
 ClientSampled :
 933-MW-03A(28)DL

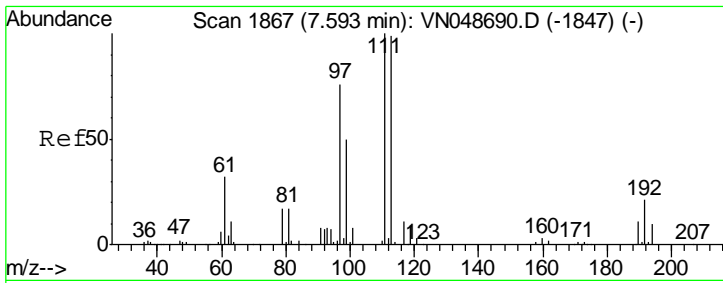
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.7	0.0	108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN048790.D
 Acq: 31 May 2018 14:36

Tgt Ion	Resp	Lower	Upper
114	100		
63	21.1	0.0	40.0
88	15.1	0.0	31.0

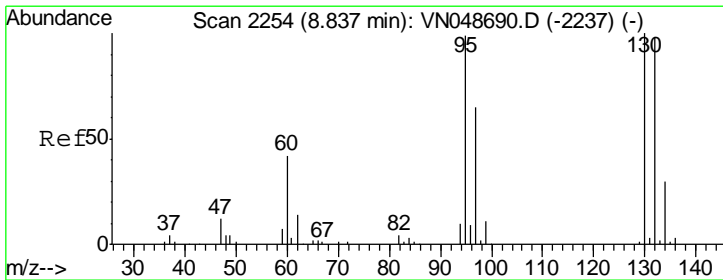
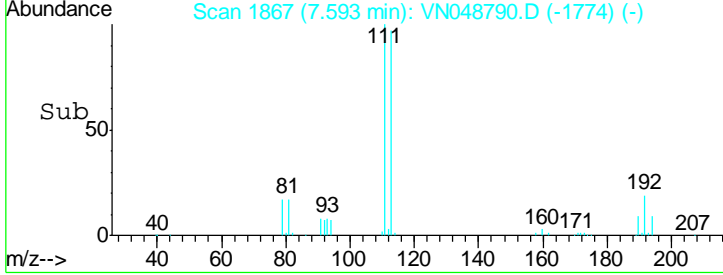
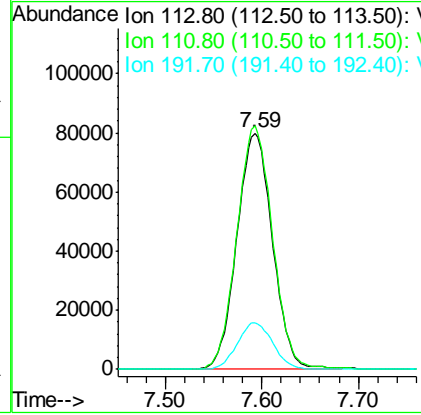
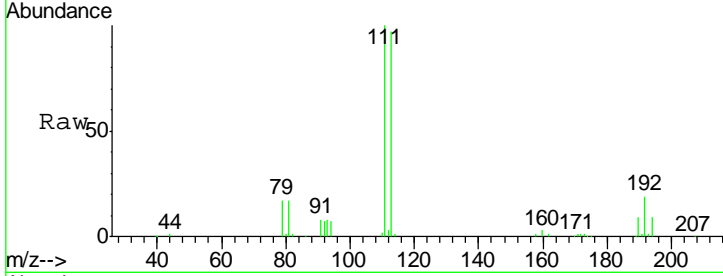




#35
 Dibromofluoromethane
 Concen: 53.26 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN048790.D
 Acq: 31 May 2018 14:36

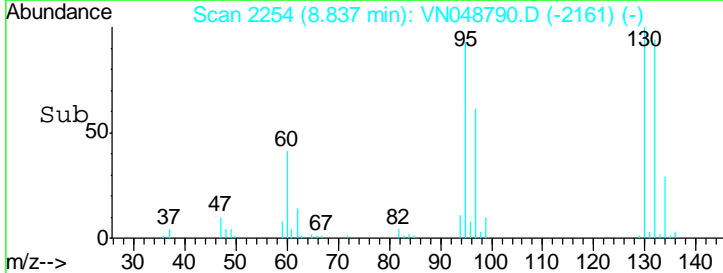
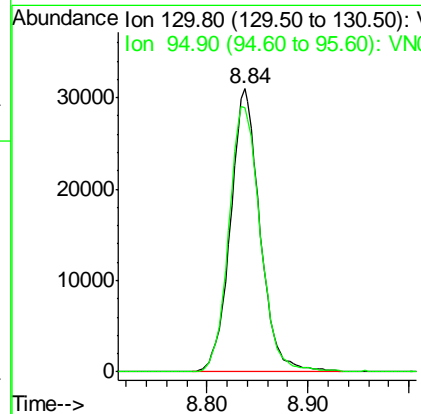
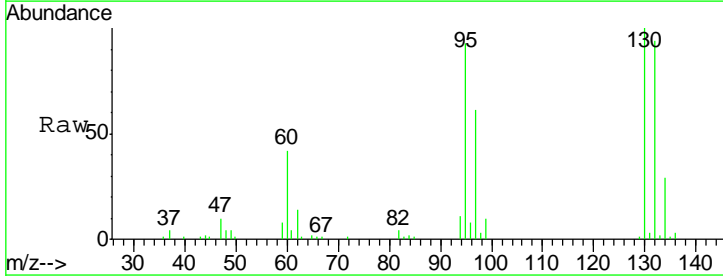
Instrument :
 MSVOA_N
 ClientSampleId :
 933-MW-03A(28)DL

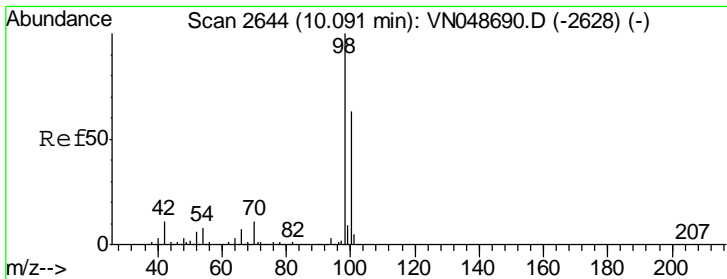
Tgt Ion	Resp	Lower	Upper
113	100		
111	103.4	81.7	122.5
192	19.8	17.6	26.4



#44
 Trichloroethene
 Concen: 13.42 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN048790.D
 Acq: 31 May 2018 14:36

Tgt Ion	Resp	Lower	Upper
130	100		
95	93.3	0.0	191.6

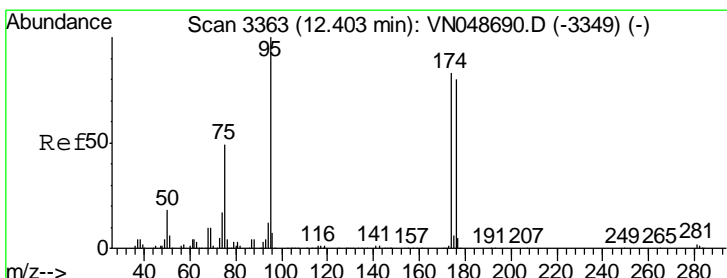
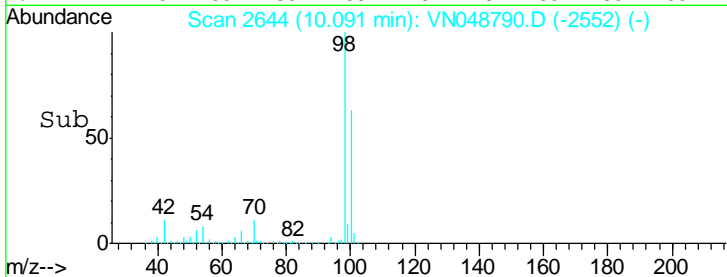
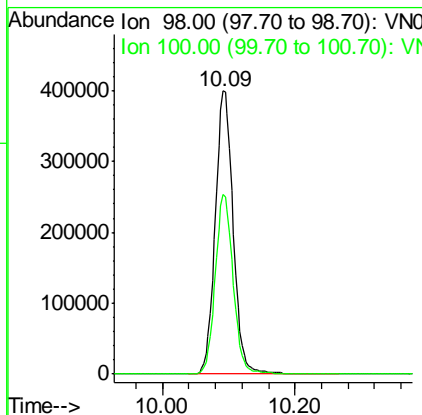
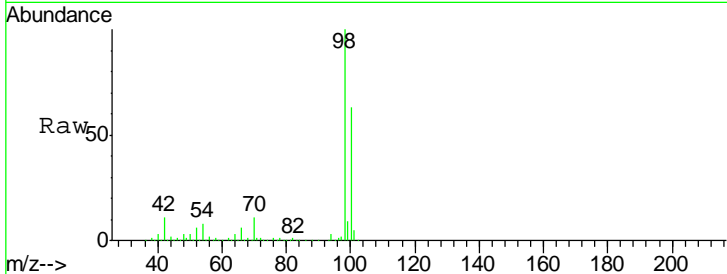




#50
 Toluene-d8
 Concen: 52.75 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048790.D
 Acq: 31 May 2018 14:36

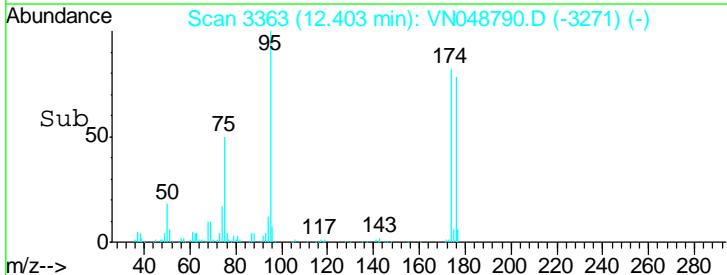
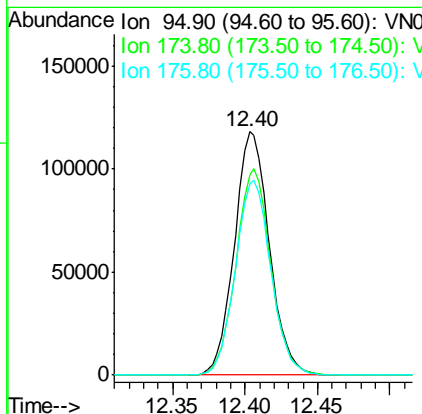
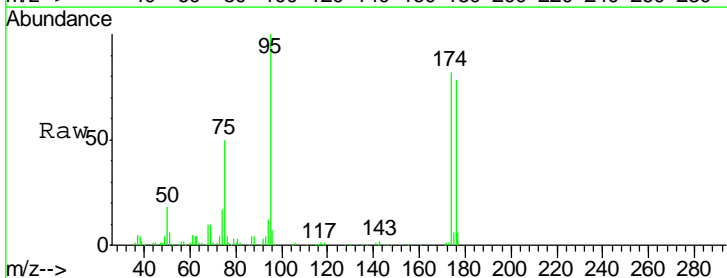
Instrument : MSVOA_N
 ClientSampleId : 933-MW-03A(28)DL

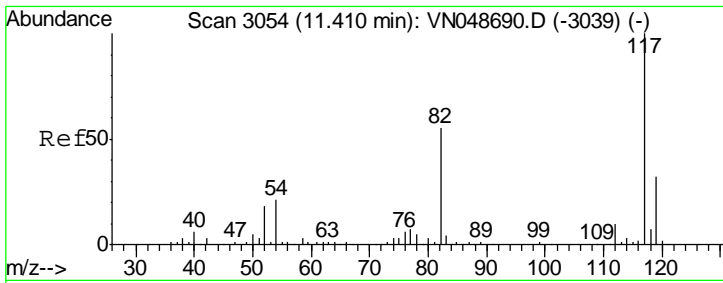
Tgt Ion	Resp	Lower	Upper
98	748843		
98	100		
100	63.1	51.2	76.8



#62
 4-Bromofluorobenzene
 Concen: 40.36 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048790.D
 Acq: 31 May 2018 14:36

Tgt Ion	Resp	Lower	Upper
95	197751		
95	100		
174	84.8	0.0	173.8
176	81.4	0.0	170.0

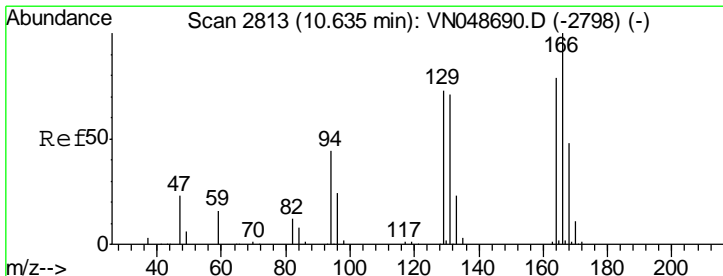
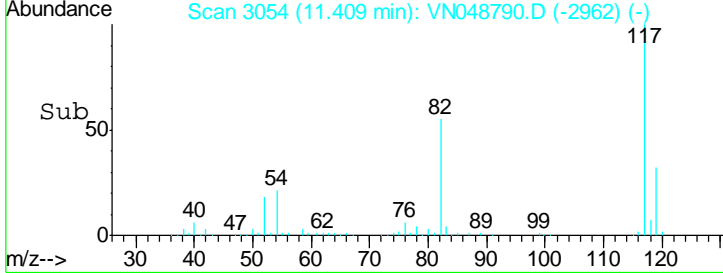
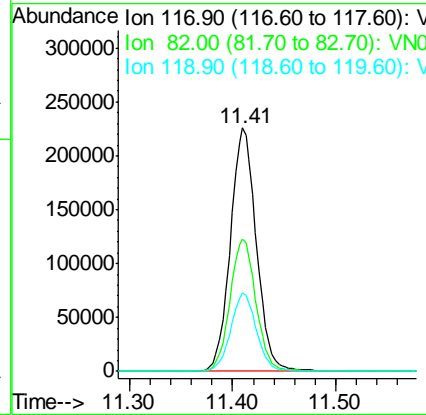
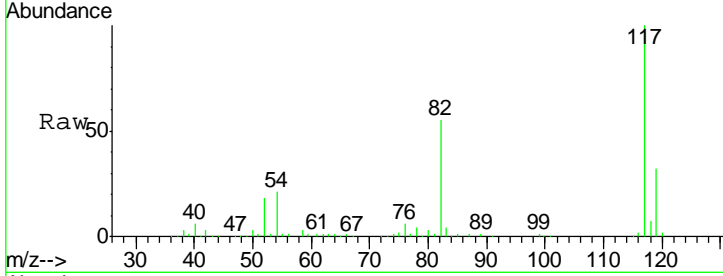




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048790.D
 Acq: 31 May 2018 14:36

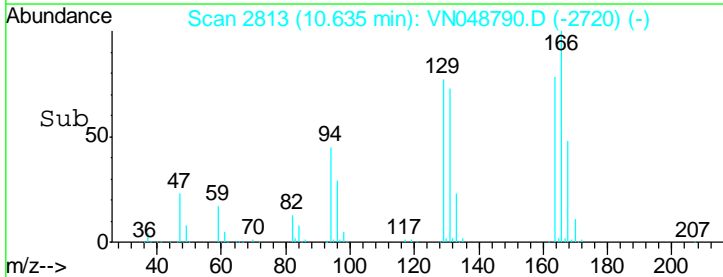
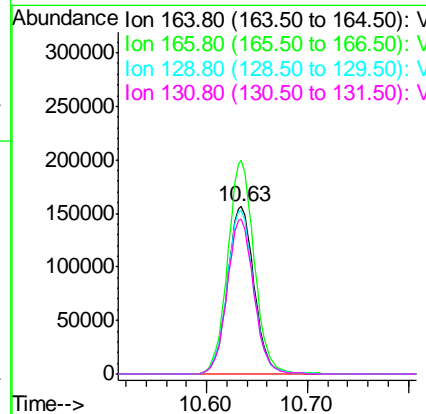
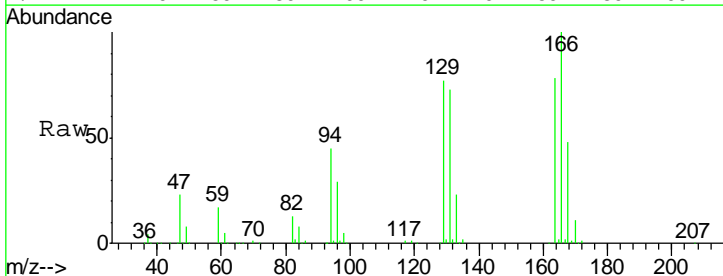
Instrument : MSVOA_N
 ClientSampleId : 933-MW-03A(28)DL

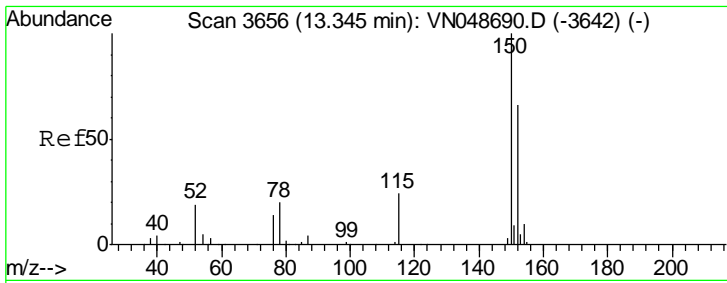
Tgt Ion	Resp	Lower	Upper
117	395442		
82	54.5	42.8	64.2
119	32.1	26.0	39.0



#64
 Tetrachloroethene
 Concen: 71.98 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: VN048790.D
 Acq: 31 May 2018 14:36

Tgt Ion	Resp	Lower	Upper
164	288159		
166	127.9	102.7	154.1
129	98.4	74.3	111.5
131	92.7	71.4	107.0

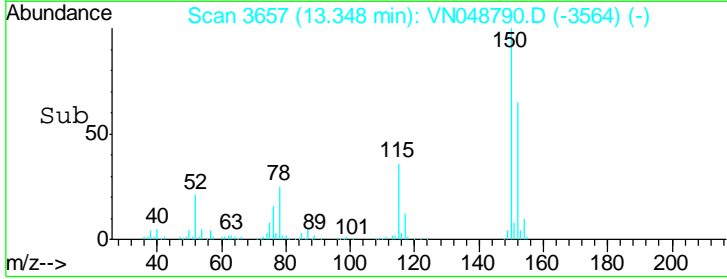
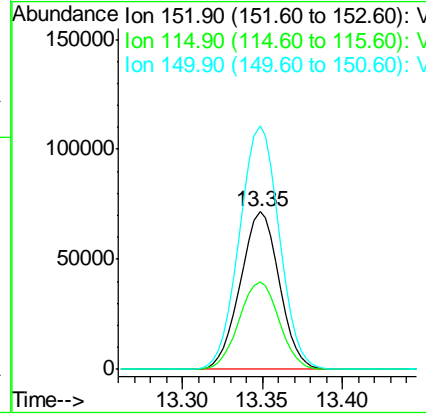
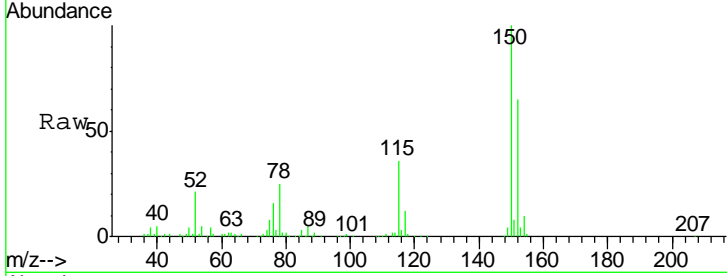




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. -0.00 min
 Lab File: VN048790.D
 Acq: 31 May 2018 14:36

Instrument : MSVOA_N
 ClientSampleId : 933-MW-03A(28)DL

Tot Ion	Resp	Lower	Upper
152	118608		
152	100		
115	57.3	28.1	84.4
150	157.7	0.0	353.0



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	934-MW-17(14)	SDG No.:	J3131
Lab Sample ID:	J3131-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048767.D	1		05/31/18 03:26	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5.8		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	3.2		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.96	J	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1.2		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	33.3		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	42.7		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	934-MW-17(14)	SDG No.:	J3131
Lab Sample ID:	J3131-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048767.D	1		05/31/18 03:26	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	4800	EB	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.7		61 - 141		85%	SPK: 50
1868-53-7	Dibromofluoromethane	42.1		69 - 133		84%	SPK: 50
2037-26-5	Toluene-d8	42.5		65 - 126		85%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.5		58 - 135		69%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	304666	7.67				
540-36-3	1,4-Difluorobenzene	482893	8.59				
3114-55-4	Chlorobenzene-d5	415537	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	150807	13.35				

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	934-MW-17(14)	SDG No.:	J3131
Lab Sample ID:	J3131-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048767.D	1		05/31/18 03:26	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048767.D
 Acq On : 31 May 2018 3:26
 Operator : MD\SY
 Sample : J3131-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 934-MW-17(14)

Manual Integrations
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 5/31/2018 3:07:12 PM

Quant Time: May 31 08:11:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	304666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	482893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	415537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	150807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	188895	42.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.32%	
35) Dibromofluoromethane	7.59	113	172171	42.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.20%	
50) Toluene-d8	10.09	98	642584	42.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.02%	
62) 4-Bromofluorobenzene	12.41	95	180228	34.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.08%	

Target Compounds

						Qvalue
16) Acetone	3.82	43	15402	5.76	ug/l #	88
18) Methyl Acetate	4.34	43	12215	3.18	ug/l	94
20) Methylene Chloride	4.55	84	4564	0.96	ug/l #	95
21) trans-1,2-Dichloroethene	5.03	96	5093	1.20	ug/l #	80
27) cis-1,2-Dichloroethene	6.83	96	159174	33.27	ug/l	93
44) Trichloroethene	8.84	130	214114	42.73	ug/l	96
64) Tetrachloroethene	10.63	164	20026909m	4760.45	ug/l	

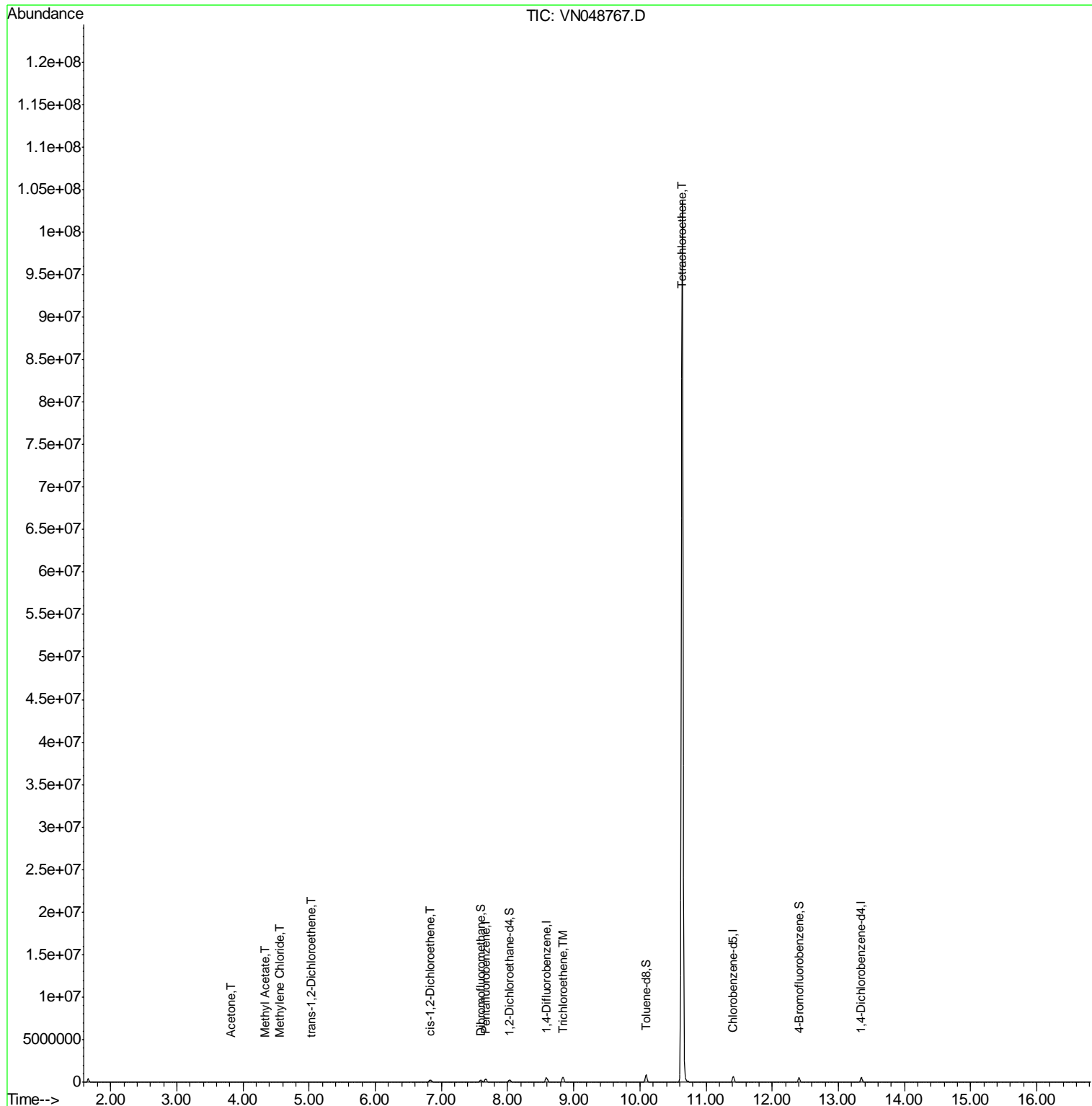
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048767.D
 Acq On : 31 May 2018 3:26
 Operator : MD\SY
 Sample : J3131-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

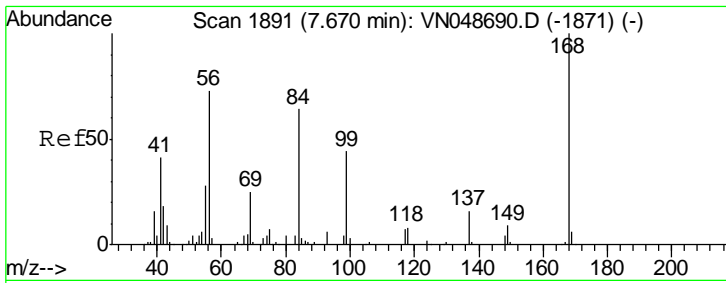
Instrument :
 MSVOA_N
 Client Sampled :
 934-MW-17(14)

Manual Integrations
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 MMDadoda
 5/31/2018 3:07:12 PM

Quant Time: May 31 08:11:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

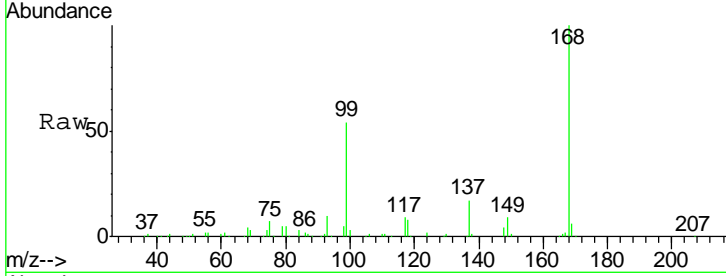


- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26

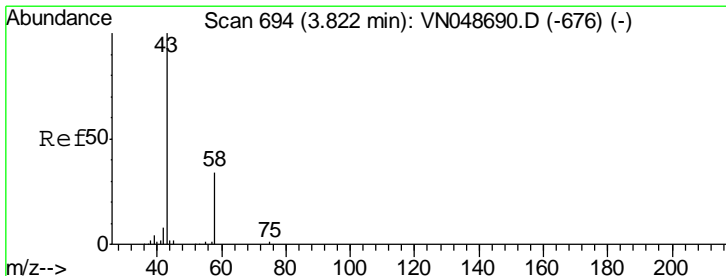
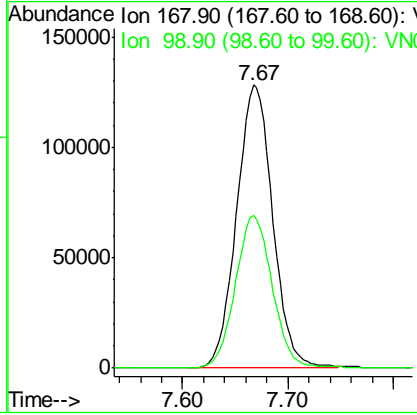
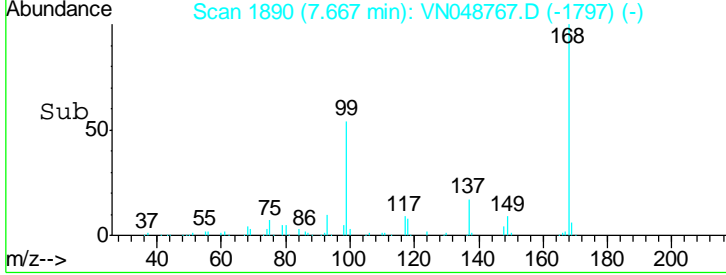
Instrument :
 MSVOA_N
 ClientSampled :
 934-MW-17(14)



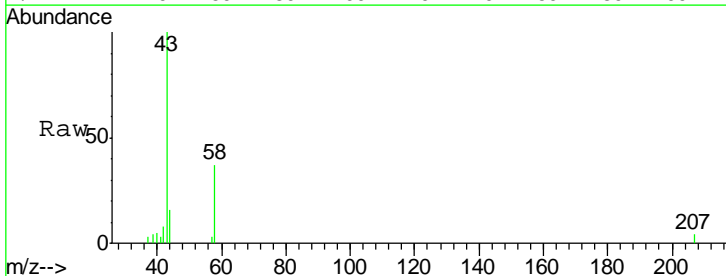
Tgt Ion: 168 Resp: 304666

Ion	Ratio	Lower	Upper
168	100		
99	54.2	40.8	61.2

Manual Integrations
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 5/31/2018 3:07:12 PM

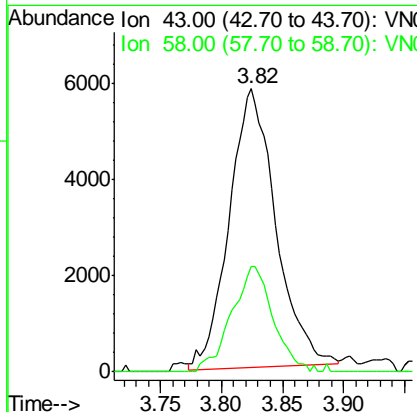
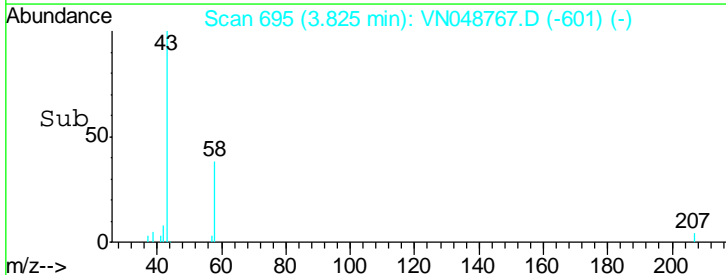


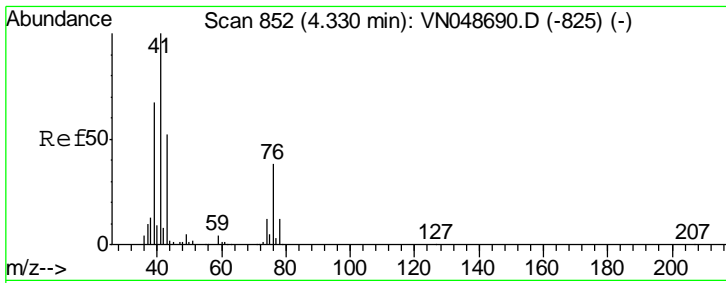
#16
 Acetone
 Concen: 5.76 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26



Tgt Ion: 43 Resp: 15402

Ion	Ratio	Lower	Upper
43	100		
58	38.4	25.4	38.0#



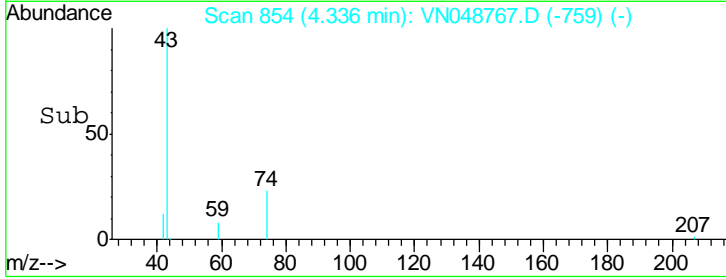
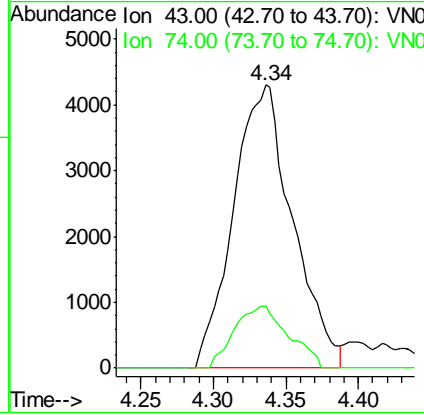
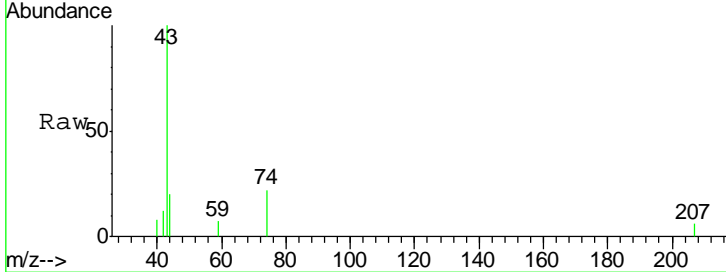


#18
Methyl Acetate
Concen: 3.18 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN048767.D
Acq: 31 May 2018 3:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	18.4	27.6

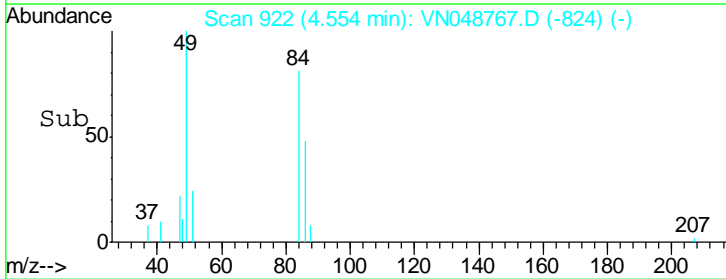
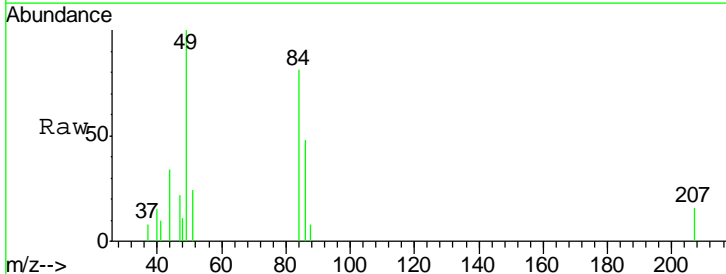
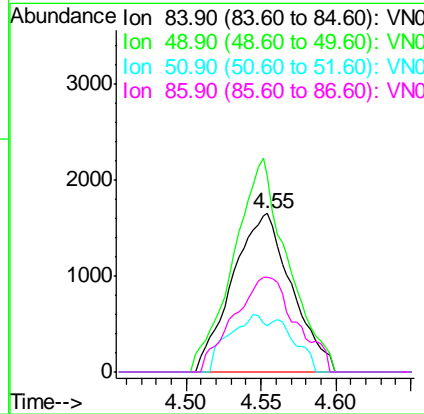
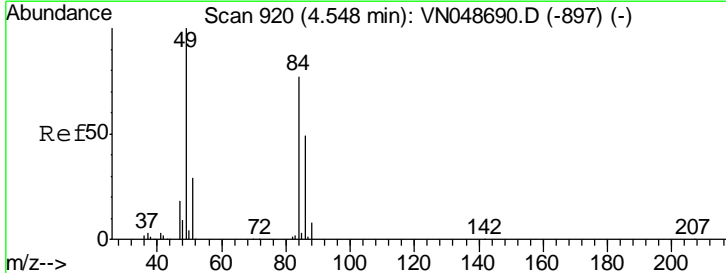
Instrument : MSVOA_N
Client Sampled : 934-MW-17(14)

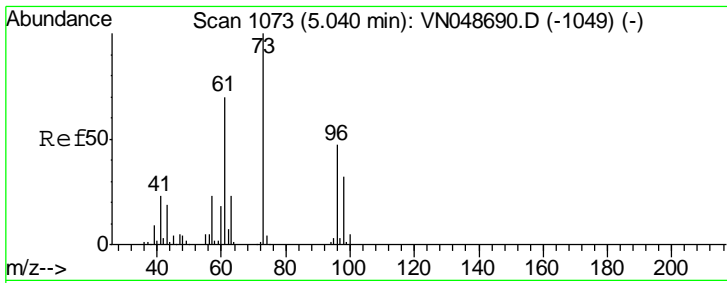
Manual Integrations APPROVED
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#20
Methylene Chloride
Concen: 0.96 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN048767.D
Acq: 31 May 2018 3:26

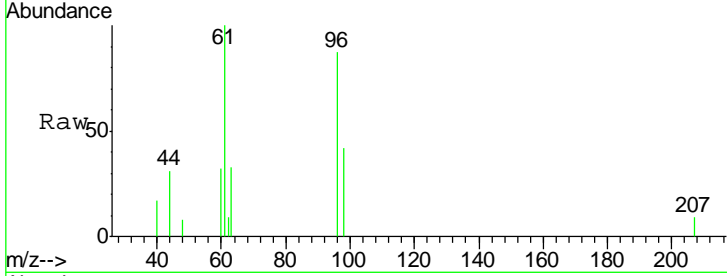
Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.7	97.7	146.5
51	29.3	30.4	45.6#
86	59.9	51.8	77.8





#21
 trans-1,2-Dichloroethene
 Concen: 1.20 ug/l
 RT: 5.03 min Scan# 1071
 Delta R.T. -0.00 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26

Instrument : MSVOA_N
 Client Sampled : 934-MW-17(14)

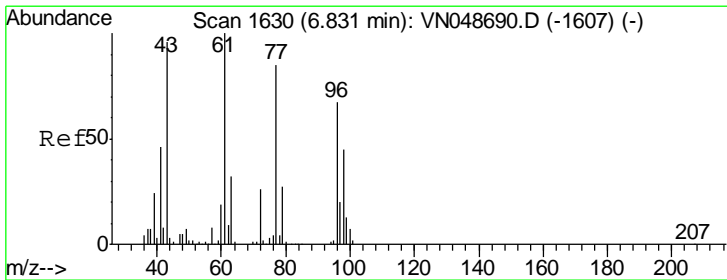
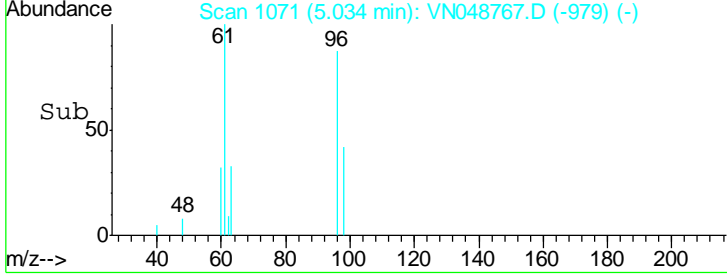
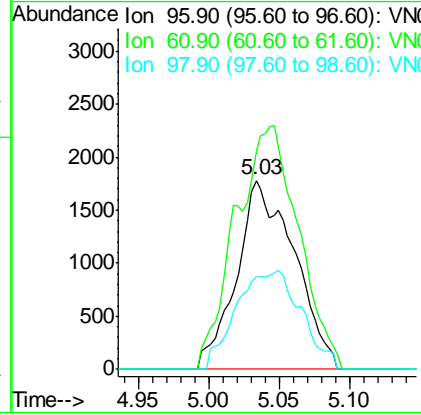


Tgt Ion: 96 Resp: 5093

Ion	Ratio	Lower	Upper
96	100		
61	115.3	112.2	168.2
98	48.7	50.5	75.7#

Manual Integrations
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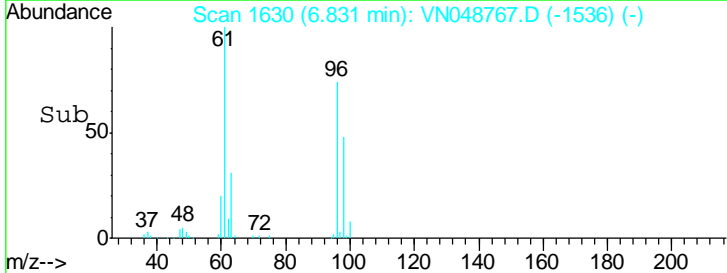
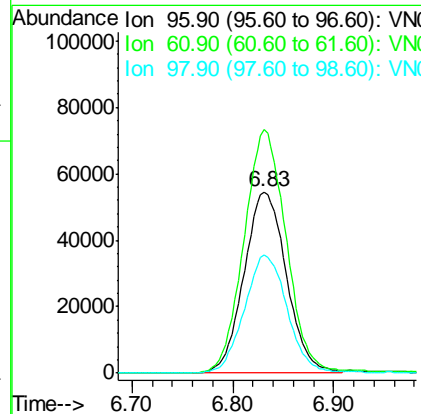
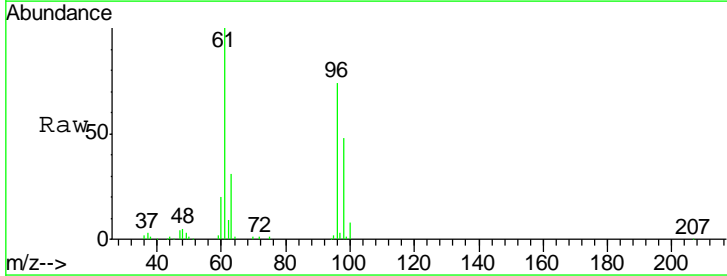
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 5/31/2018 3:07:12 PM

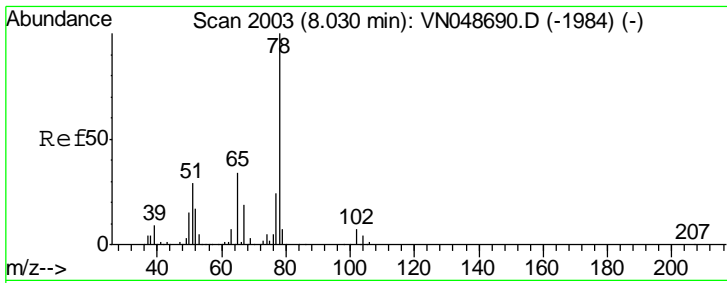


#27
 cis-1,2-Dichloroethene
 Concen: 33.27 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26

Tgt Ion: 96 Resp: 159174

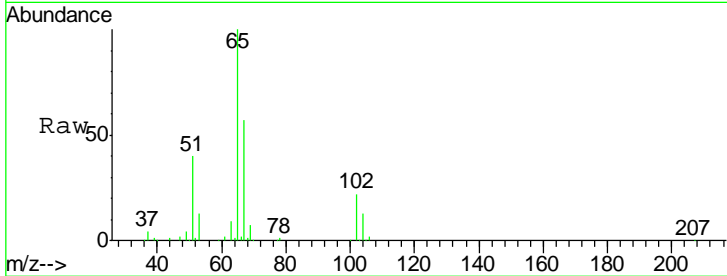
Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	292.6
98	65.5	0.0	128.2





#33
 1,2-Dichloroethane-d4
 Concen: 42.66 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26

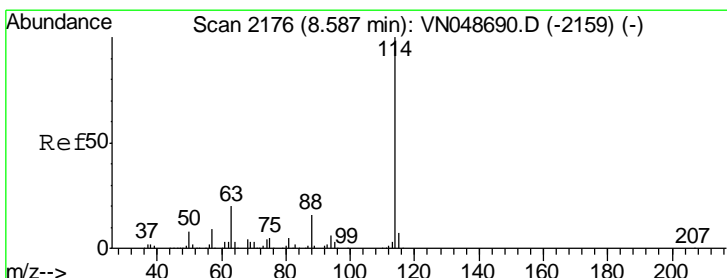
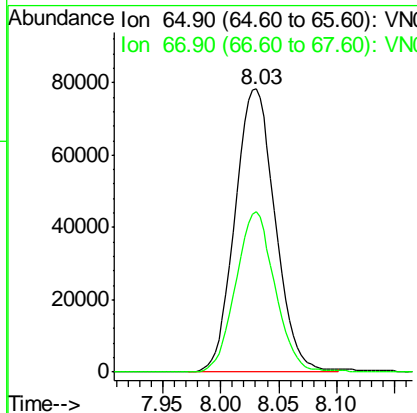
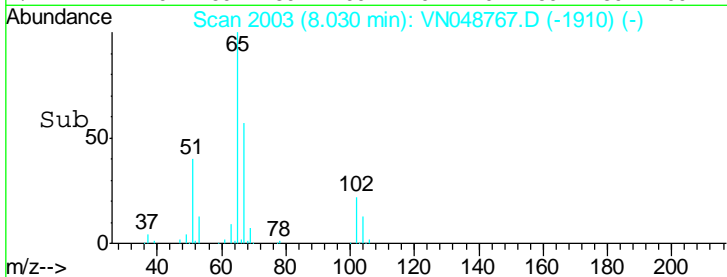
Instrument : MSVOA_N
 Client Sampled : 934-MW-17(14)



Tgt Ion: 65 Resp: 188895

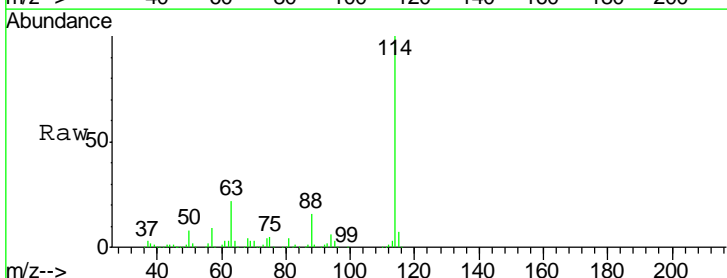
Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	108.4

Manual Integrations APPROVED
 MMDadoda
 5/31/2018 3:07:12 PM



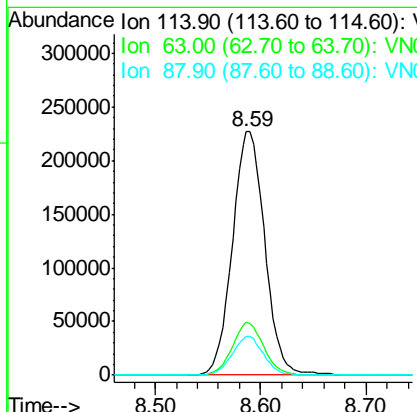
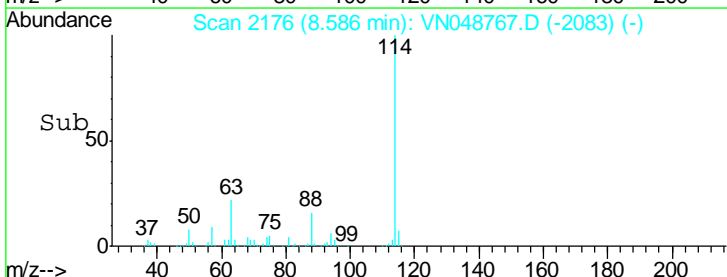
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26

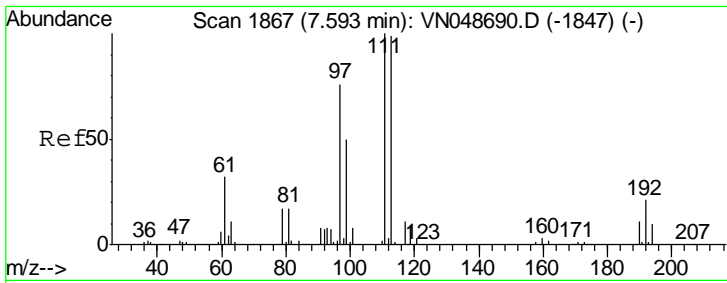
Instrument : MSVOA_N
 Client Sampled : 934-MW-17(14)



Tgt Ion: 114 Resp: 482893

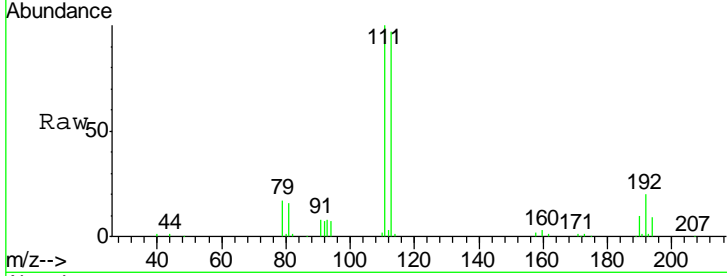
Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	40.0
88	15.9	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 42.10 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26

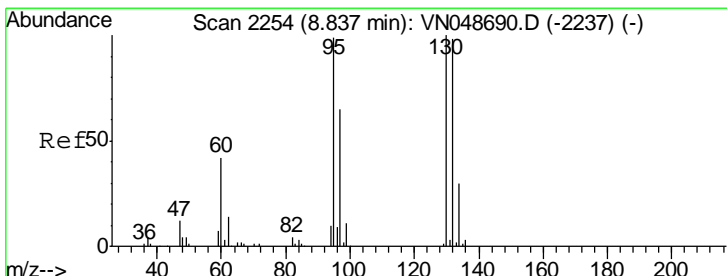
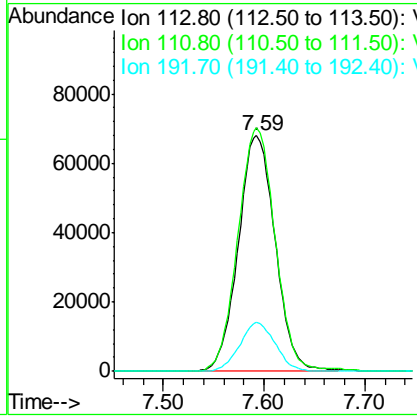
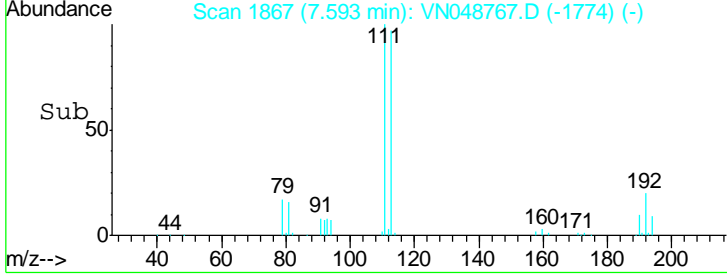
Instrument :
 MSVOA_N
 ClientSampled :
 934-MW-17(14)



Tgt Ion:113 Resp: 172171

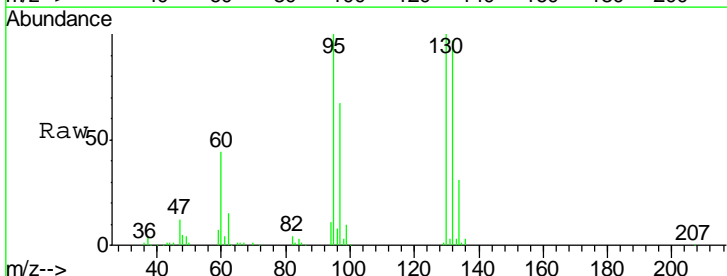
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.7	122.5
192	20.0	17.6	26.4

Manual Integrations
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 5/31/2018 3:07:12 PM



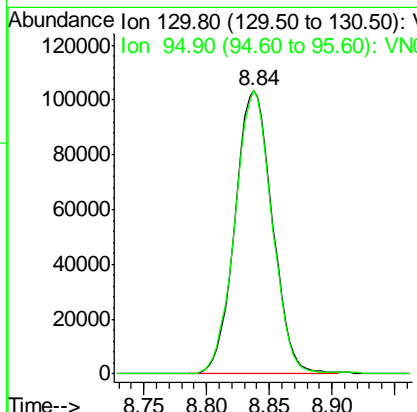
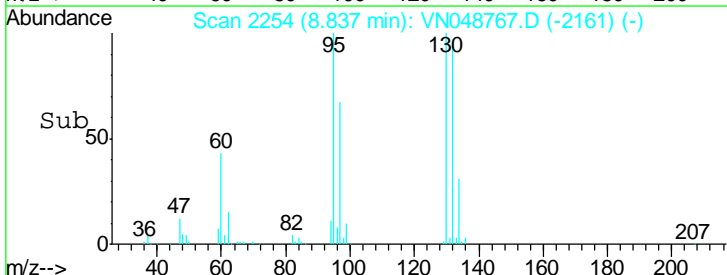
#44
 Trichloroethene
 Concen: 42.73 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26

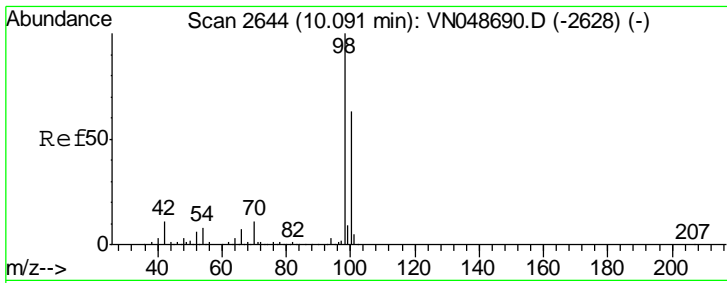
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Tgt Ion:130 Resp: 214114

Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	191.6





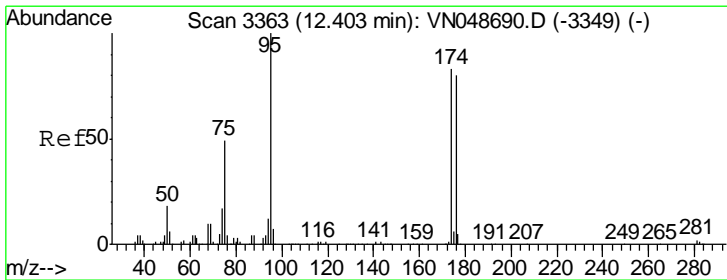
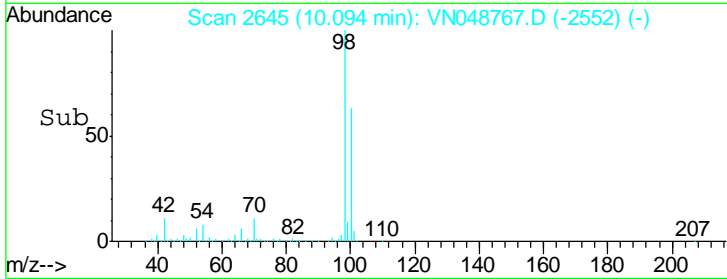
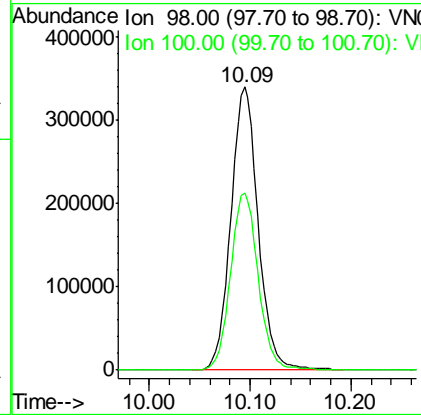
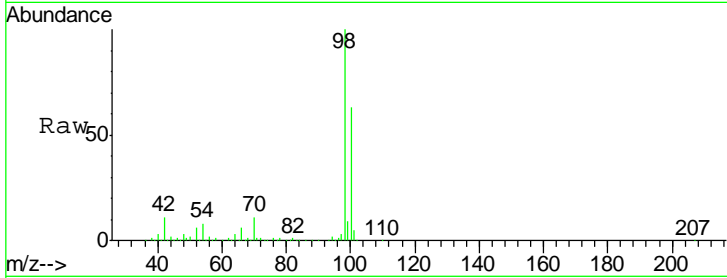
#50
 Toluene-d8
 Concen: 42.51 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26

Instrument : MSVOA_N
 Client Sampled : 934-MW-17(14)

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.3	51.2	76.8

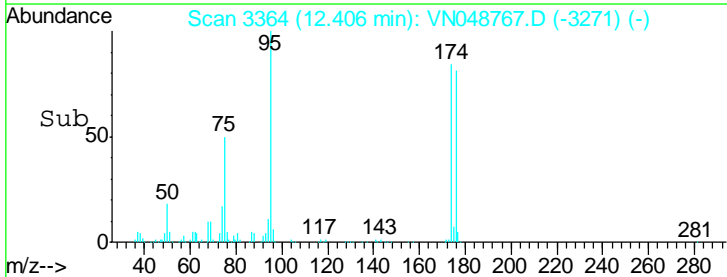
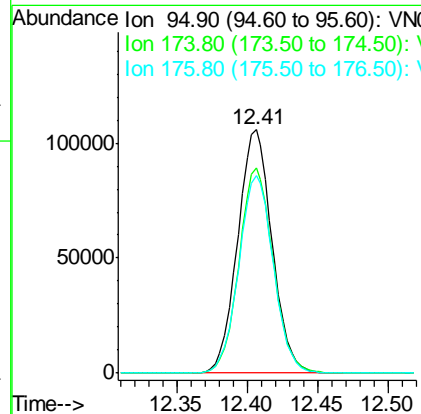
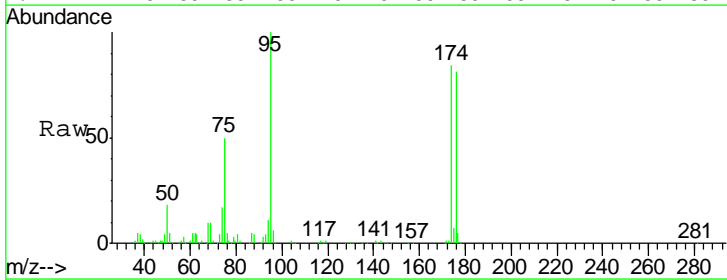
Manual Integrations
 APPROVED

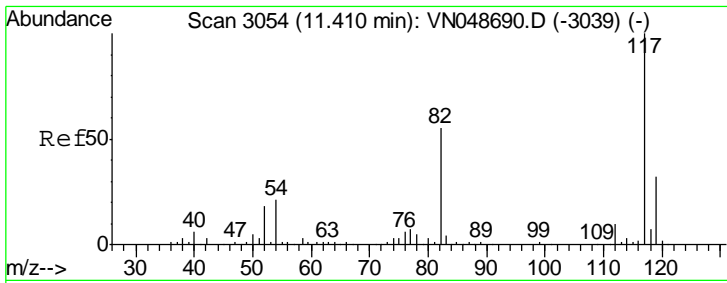
MMDadoda
 5/31/2018 3:07:12 PM



#62
 4-Bromofluorobenzene
 Concen: 34.54 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. -0.00 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26

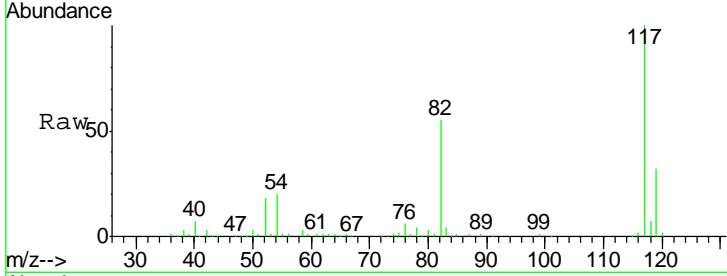
Tgt Ion	Resp	Lower	Upper
95	100		
174	83.9	0.0	173.8
176	81.6	0.0	170.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3055
 Delta R.T. -0.00 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26

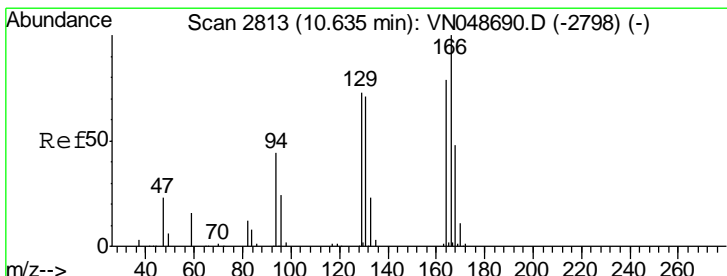
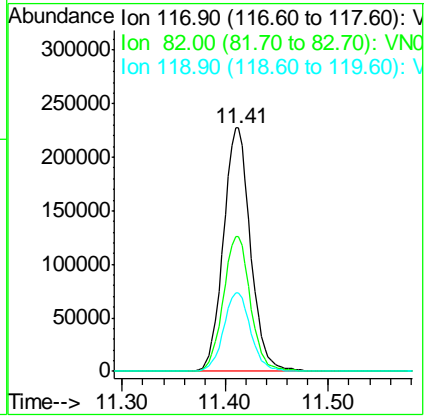
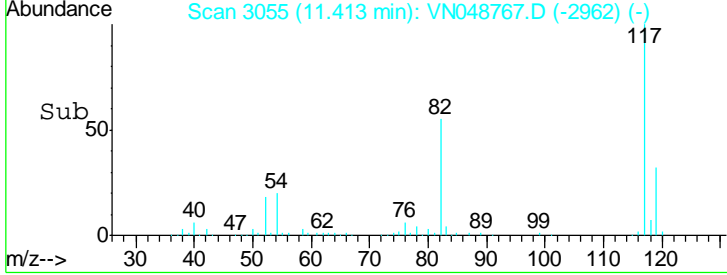
Instrument :
 MSVOA_N
 ClientSampled :
 934-MW-17(14)



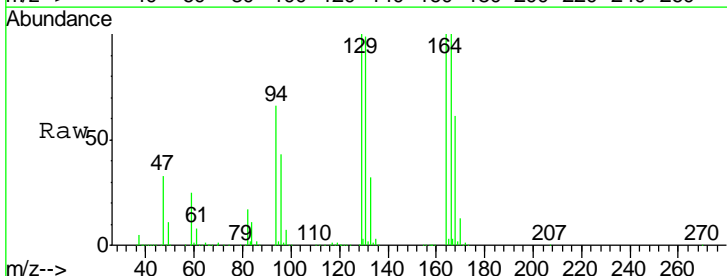
Tgt Ion: 117 Resp: 41537

Ion	Ratio	Lower	Upper
117	100		
82	55.5	42.8	64.2
119	32.4	26.0	39.0

Manual Integrations
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 5/31/2018 3:07:12 PM

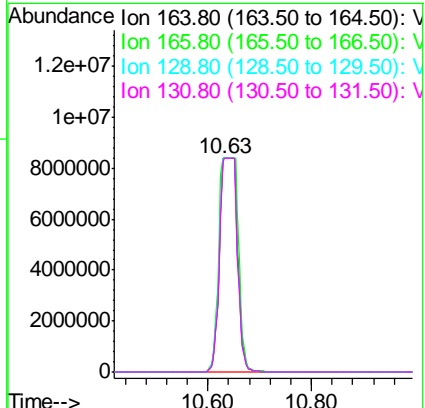
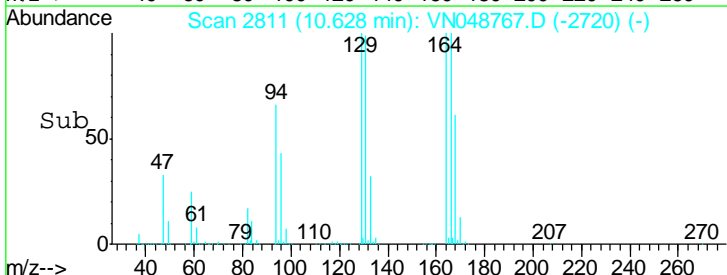


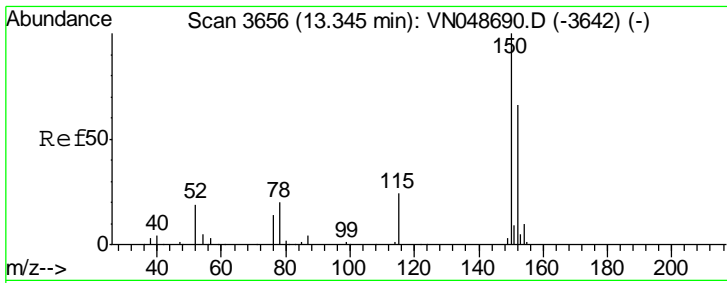
#64
 Tetrachloroethene
 Concen: 4760.45 ug/l m
 RT: 10.63 min Scan# 2811
 Delta R.T. -0.01 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26



Tgt Ion: 164 Resp: 20026909

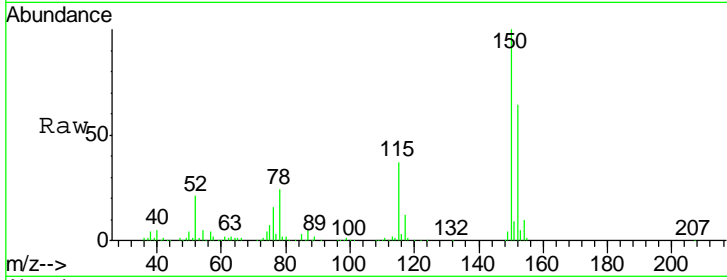
Ion	Ratio	Lower	Upper
164	100		
166	100.0	102.7	154.1#
129	100.0	74.3	111.5
131	98.6	71.4	107.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. -0.00 min
 Lab File: VN048767.D
 Acq: 31 May 2018 3:26

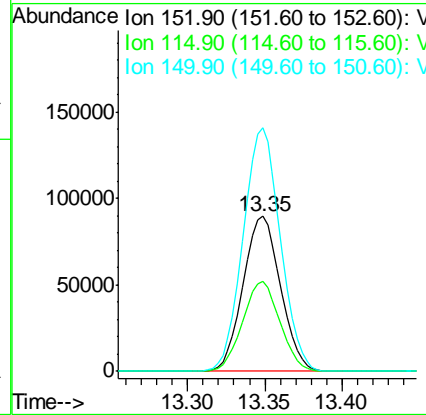
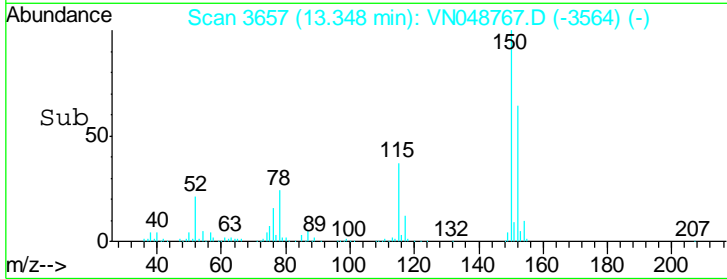
Instrument :
 MSVOA_N
 ClientSampled :
 934-MW-17(14)



Tot Ion: 152 Resp: 150807

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.1	84.4
150	156.1	0.0	353.0

Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:07:12 PM



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053018\
 Data File : VN048767.D
 Acq On : 31 May 2018 3:26
 Operator : MD\SY
 Sample : J3131-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 934-MW-17(14)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	10.641	2796	2815	2858	rBV3	103673270	190478594	100.00%	100.000%

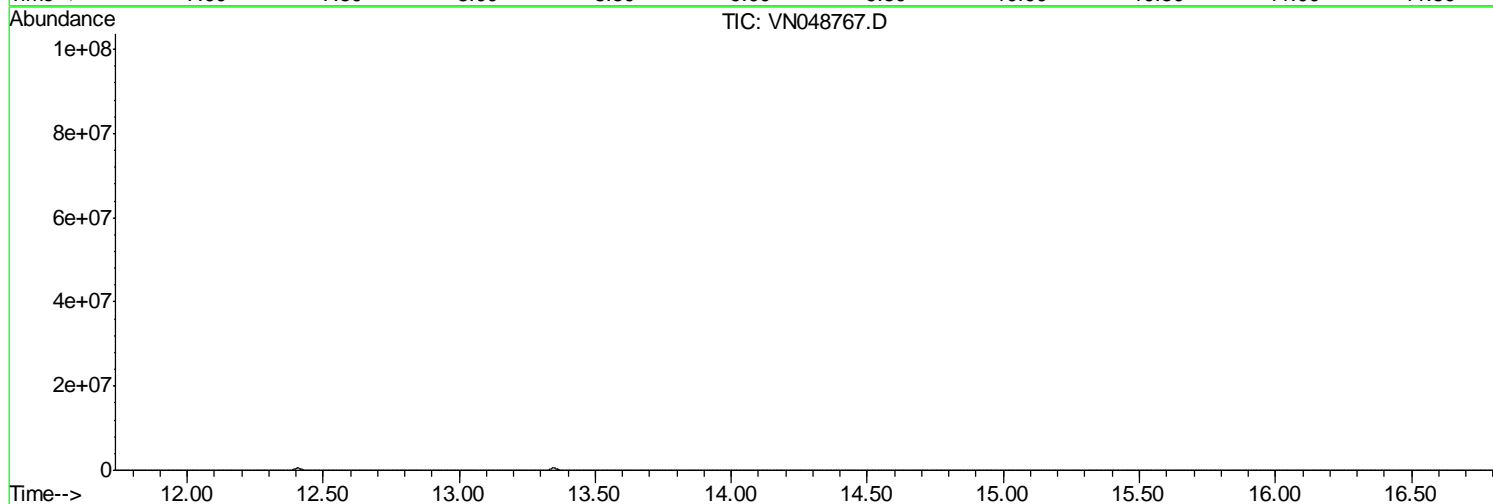
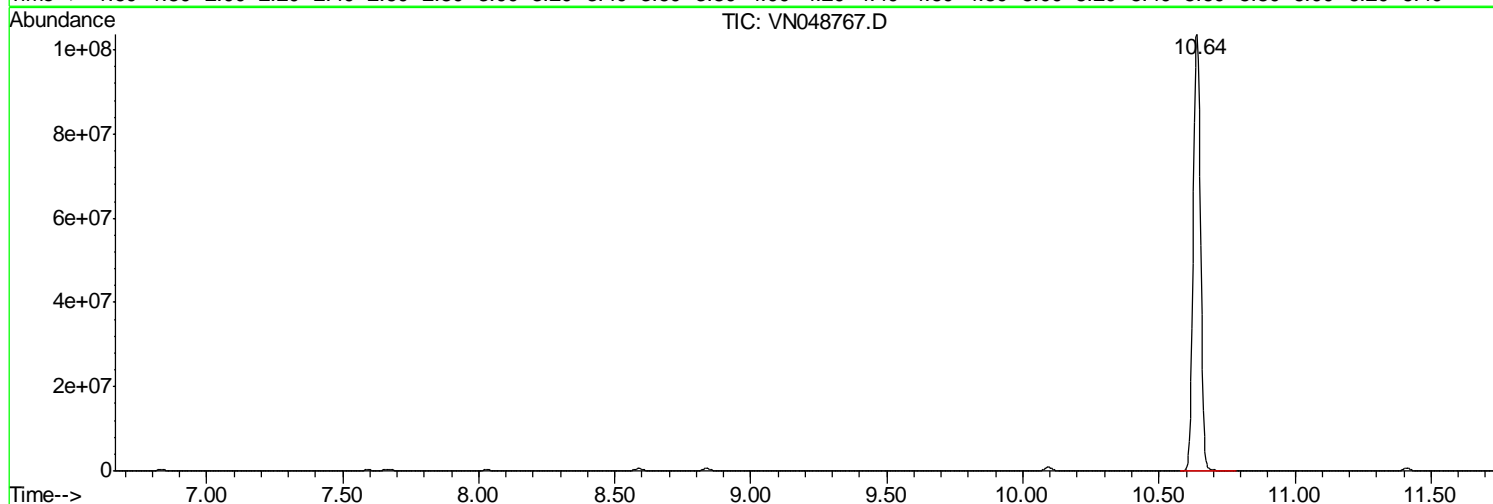
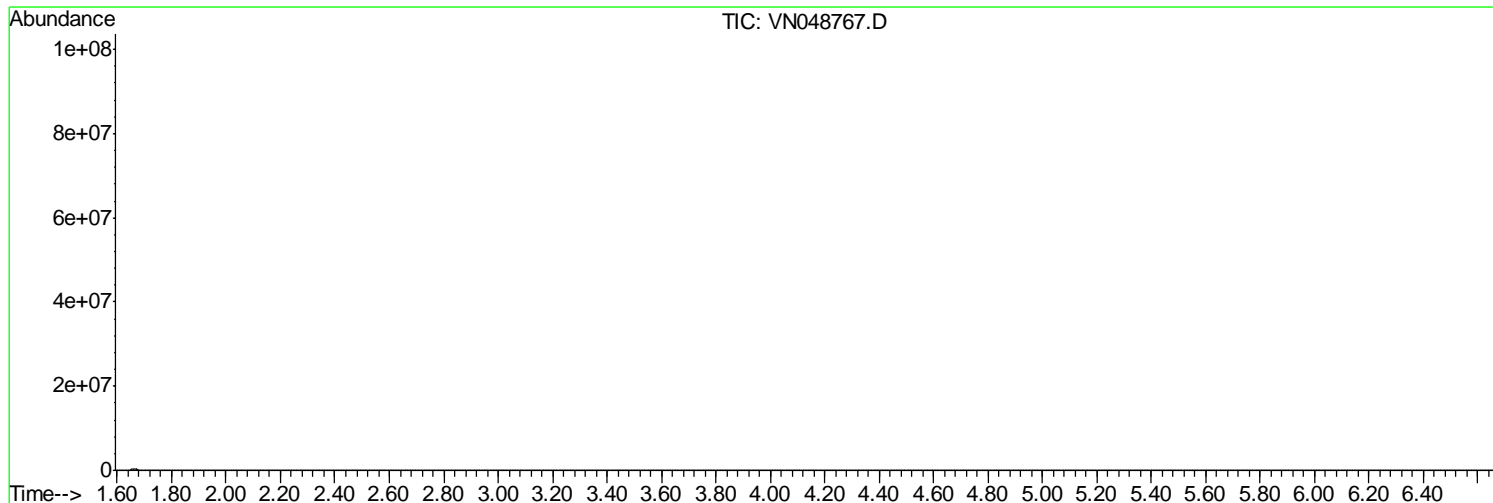
Sum of corrected areas: 190478594

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053018\
 Data File : VN048767.D
 Acq On : 31 May 2018 3:26
 Operator : MD\SY
 Sample : J3131-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 934-MW-17(14)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P



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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053018\
Data File : VN048767.D
Acq On : 31 May 2018 3:26
Operator : MD\SY
Sample : J3131-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
934-MW-17(14)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053018\
 Data File : VN048767.D
 Acq On : 31 May 2018 3:26
 Operator : MD\SY
 Sample : J3131-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampleId :
 934-MW-17(14)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	934-MW-17(14)DL	SDG No.:	J3131
Lab Sample ID:	J3131-06DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048791.D	100		05/31/18 15:02	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	100	UD	20	20	100	ug/L
74-87-3	Chloromethane	100	UD	20	20	100	ug/L
75-01-4	Vinyl Chloride	100	UD	20	20	100	ug/L
74-83-9	Bromomethane	100	UD	20	20	100	ug/L
75-00-3	Chloroethane	100	UD	20	50	100	ug/L
75-69-4	Trichlorofluoromethane	100	UD	20	20	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	100	UD	20	20	100	ug/L
75-35-4	1,1-Dichloroethene	100	UD	20	20	100	ug/L
67-64-1	Acetone	500	UD	50	100	500	ug/L
75-15-0	Carbon Disulfide	100	UD	20	20	100	ug/L
1634-04-4	Methyl tert-butyl Ether	100	UD	35	50	100	ug/L
79-20-9	Methyl Acetate	100	UD	20	50	100	ug/L
75-09-2	Methylene Chloride	100	UD	20	20	100	ug/L
156-60-5	trans-1,2-Dichloroethene	100	UD	20	20	100	ug/L
75-34-3	1,1-Dichloroethane	100	UD	20	20	100	ug/L
110-82-7	Cyclohexane	100	UD	20	20	100	ug/L
78-93-3	2-Butanone	500	UD	130	250	500	ug/L
56-23-5	Carbon Tetrachloride	100	UD	20	20	100	ug/L
156-59-2	cis-1,2-Dichloroethene	100	UD	20	20	100	ug/L
74-97-5	Bromochloromethane	100	UD	20	50	100	ug/L
67-66-3	Chloroform	100	UD	20	20	100	ug/L
71-55-6	1,1,1-Trichloroethane	100	UD	20	20	100	ug/L
108-87-2	Methylcyclohexane	100	UD	20	20	100	ug/L
71-43-2	Benzene	100	UD	20	20	100	ug/L
107-06-2	1,2-Dichloroethane	100	UD	20	20	100	ug/L
79-01-6	Trichloroethene	36	JD	20	20	100	ug/L
78-87-5	1,2-Dichloropropane	100	UD	20	20	100	ug/L
75-27-4	Bromodichloromethane	100	UD	20	20	100	ug/L
108-10-1	4-Methyl-2-Pentanone	500	UD	100	100	500	ug/L
108-88-3	Toluene	100	UD	20	20	100	ug/L
10061-02-6	t-1,3-Dichloropropene	100	UD	20	20	100	ug/L
10061-01-5	cis-1,3-Dichloropropene	100	UD	20	20	100	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	934-MW-17(14)DL	SDG No.:	J3131
Lab Sample ID:	J3131-06DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048791.D	100		05/31/18 15:02	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	100	UD	20	20	100	ug/L
591-78-6	2-Hexanone	500	UD	190	250	500	ug/L
124-48-1	Dibromochloromethane	100	UD	20	20	100	ug/L
106-93-4	1,2-Dibromoethane	100	UD	20	20	100	ug/L
127-18-4	Tetrachloroethene	3200	D	20	20	100	ug/L
108-90-7	Chlorobenzene	100	UD	20	20	100	ug/L
100-41-4	Ethyl Benzene	100	UD	20	20	100	ug/L
179601-23-1	m/p-Xylenes	200	UD	40	40	200	ug/L
95-47-6	o-Xylene	100	UD	20	20	100	ug/L
100-42-5	Styrene	100	UD	20	20	100	ug/L
75-25-2	Bromoform	100	UD	20	20	100	ug/L
98-82-8	Isopropylbenzene	100	UD	20	20	100	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	100	UD	20	20	100	ug/L
541-73-1	1,3-Dichlorobenzene	100	UD	20	20	100	ug/L
106-46-7	1,4-Dichlorobenzene	100	UD	20	20	100	ug/L
95-50-1	1,2-Dichlorobenzene	100	UD	20	20	100	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	100	UD	20	20	100	ug/L
120-82-1	1,2,4-Trichlorobenzene	100	UD	20	20	100	ug/L
87-61-6	1,2,3-Trichlorobenzene	100	UD	20	20	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.8		61 - 141		112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		69 - 133		107%	SPK: 50
2037-26-5	Toluene-d8	52.9		65 - 126		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.9		58 - 135		80%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	296394	7.67				
540-36-3	1,4-Difluorobenzene	478267	8.59				
3114-55-4	Chlorobenzene-d5	404847	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	128199	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	934-MW-17(14)DL	SDG No.:	J3131
Lab Sample ID:	J3131-06DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048791.D	100		05/31/18 15:02	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048791.D
 Acq On : 31 May 2018 15:02
 Operator : MD\SY
 Sample : J3131-06DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 934-MW-17(14)DL

Quant Time: May 31 16:33:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	296394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	478267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	404847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	128199	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	240339	55.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.60%	
35) Dibromofluoromethane	7.59	113	217069	53.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.18%	
50) Toluene-d8	10.09	98	791747	52.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.76%	
62) 4-Bromofluorobenzene	12.41	95	206190	39.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.80%	

Target Compounds

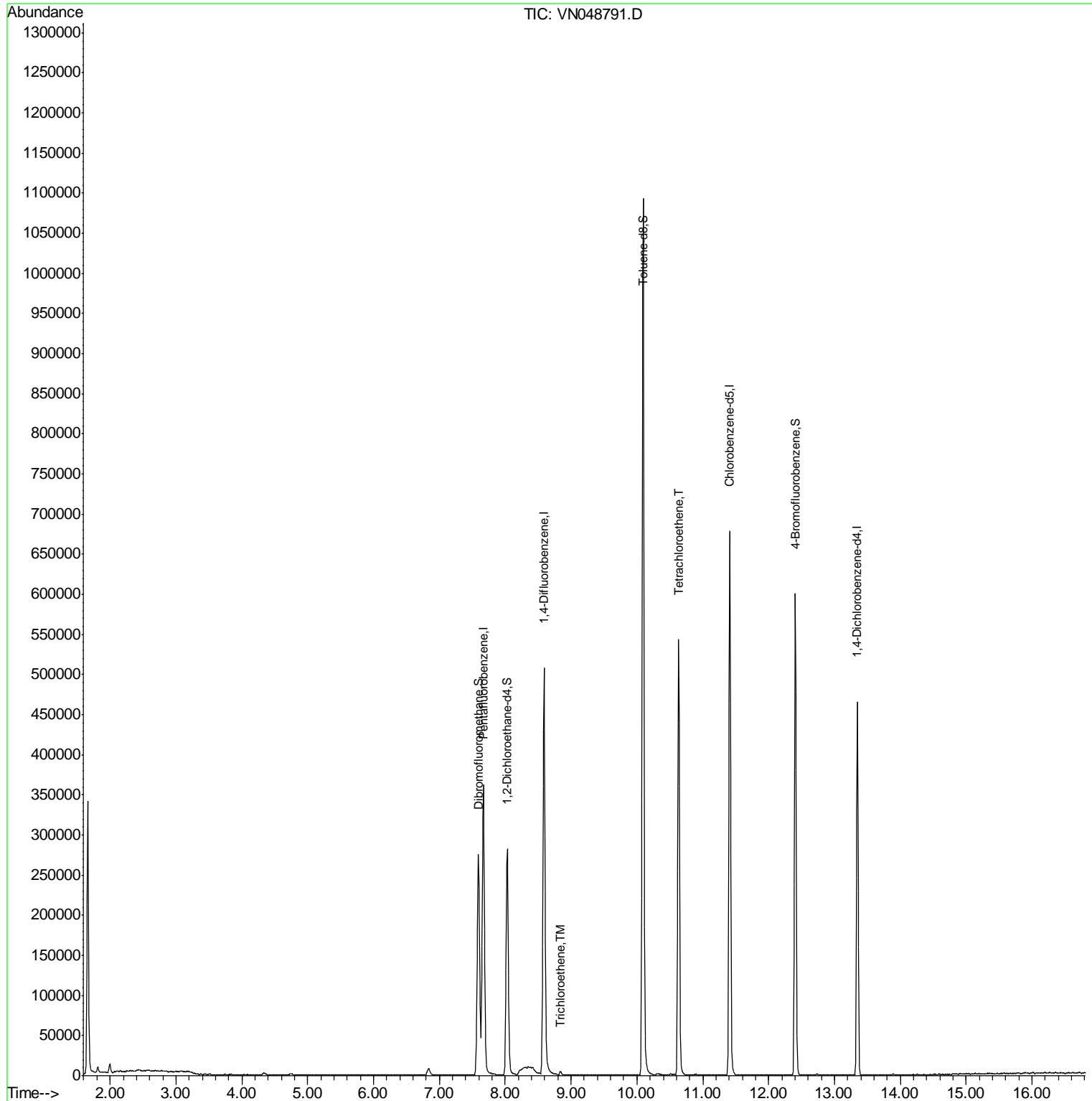
						Qvalue
44) Trichloroethene	8.84	130	1777	0.36	ug/l	88
64) Tetrachloroethene	10.63	164	132139	32.24	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

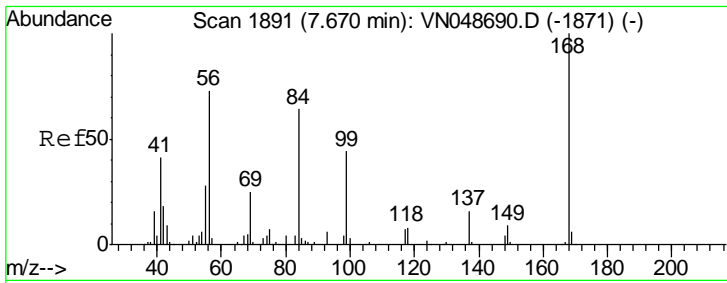
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048791.D
 Acq On : 31 May 2018 15:02
 Operator : MD\SY
 Sample : J3131-06DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 934-MW-17(14)DL

Quant Time: May 31 16:33:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



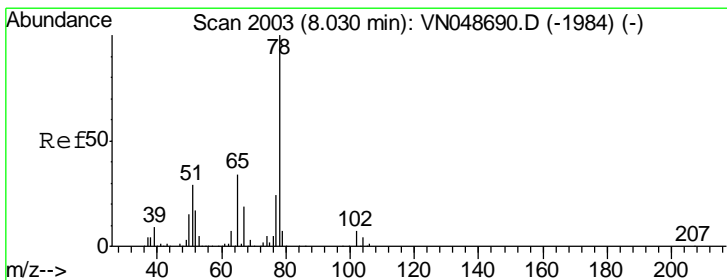
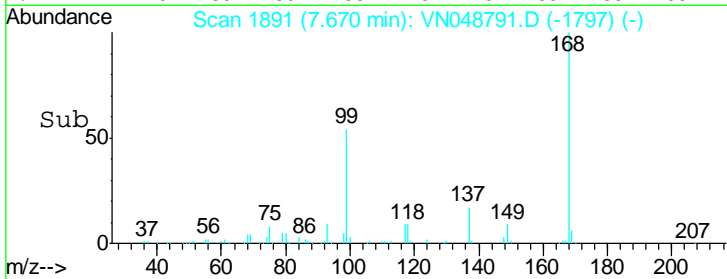
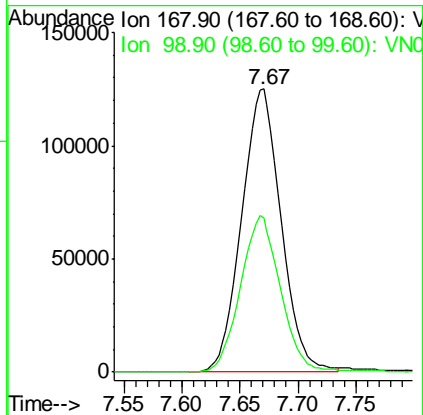
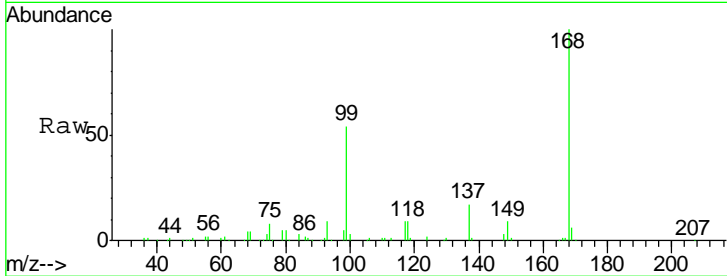
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN048791.D
 Acq: 31 May 2018 15:02

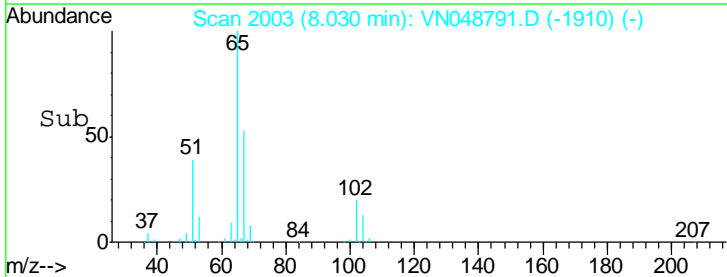
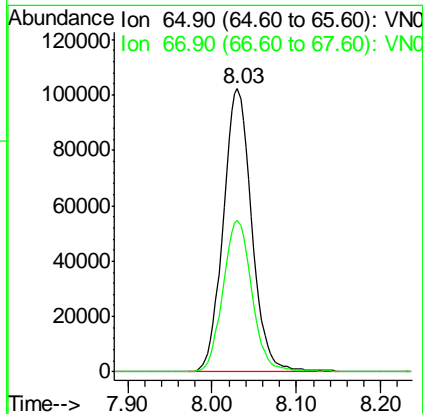
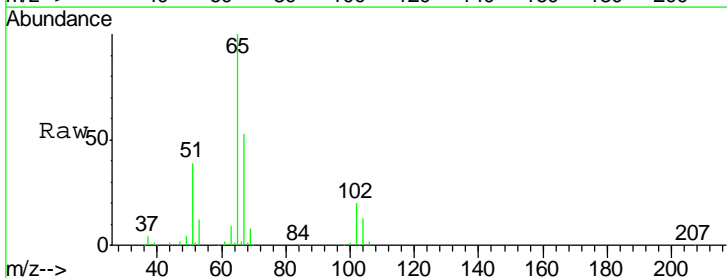
Instrument : MSVOA_N
 ClientSampled : 934-MW-17(14)DL

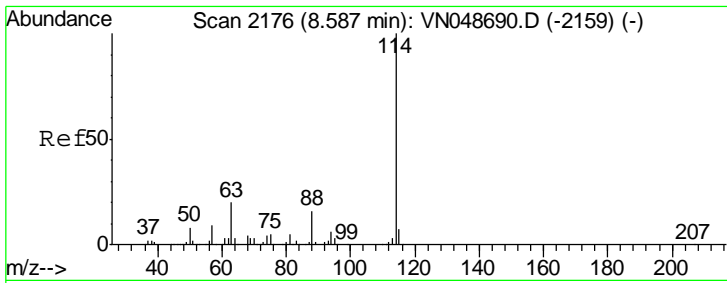
Tgt Ion	Resp	Lower	Upper
168	100		
99	54.4	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 55.80 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048791.D
 Acq: 31 May 2018 15:02

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.3	0.0	108.4

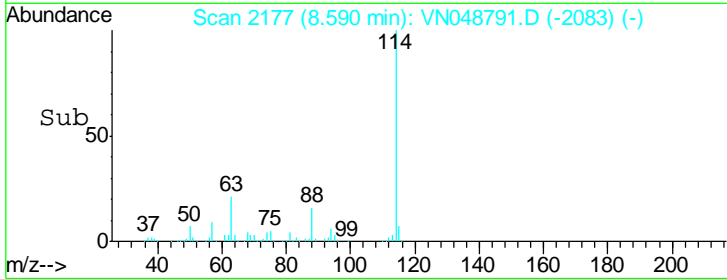
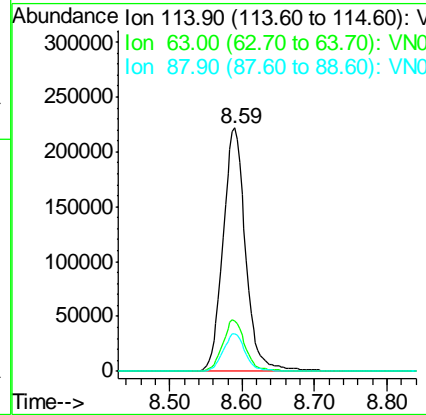
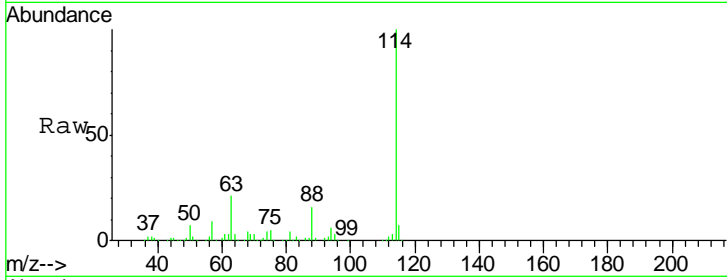




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048791.D
 Acq: 31 May 2018 15:02

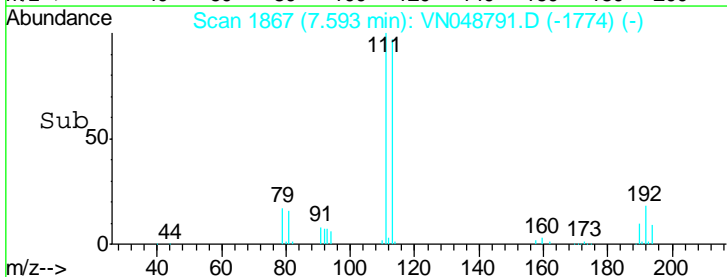
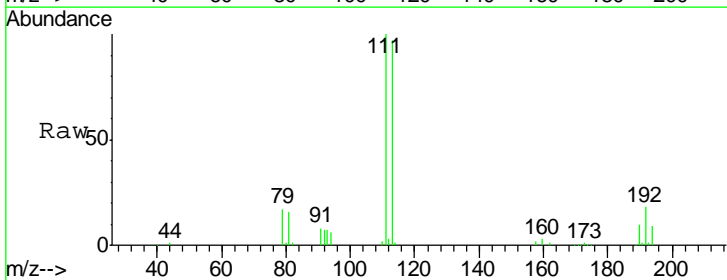
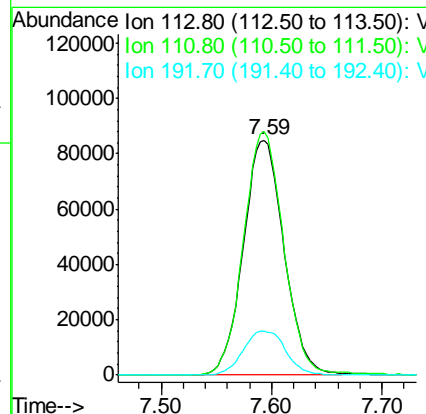
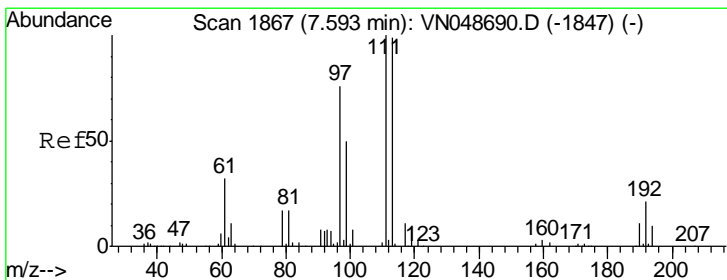
Instrument : MSVOA_N
 ClientSampleId : 934-MW-17(14)DL

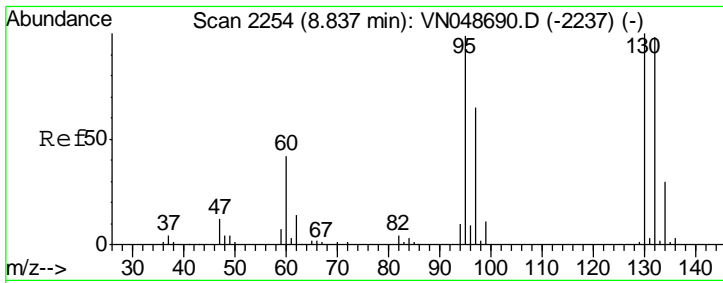
Tgt Ion	Resp	Lower	Upper
114	478267		
63	20.5	0.0	40.0
88	15.6	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 53.59 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048791.D
 Acq: 31 May 2018 15:02

Tgt Ion	Resp	Lower	Upper
113	217069		
111	102.4	81.7	122.5
192	19.7	17.6	26.4

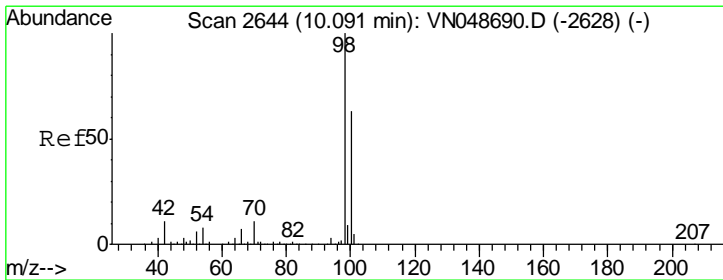
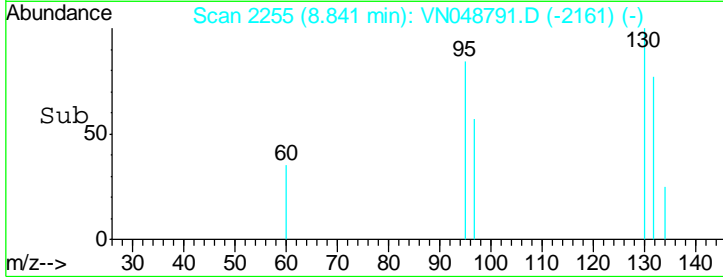
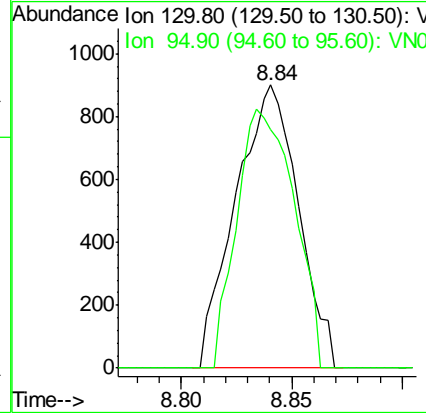
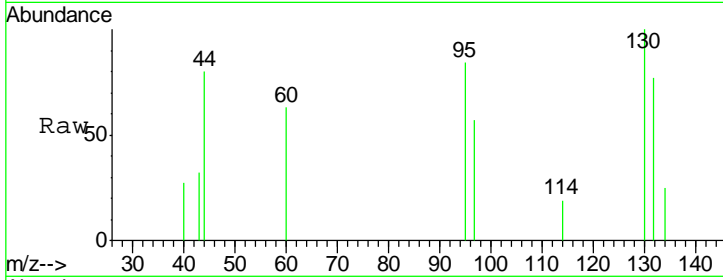




#44
 Trichloroethene
 Concen: 0.36 ug/l
 RT: 8.84 min Scan# 2255
 Delta R.T. 0.00 min
 Lab File: VN048791.D
 Acq: 31 May 2018 15:02

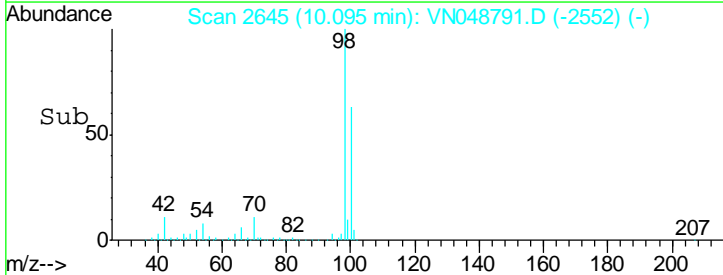
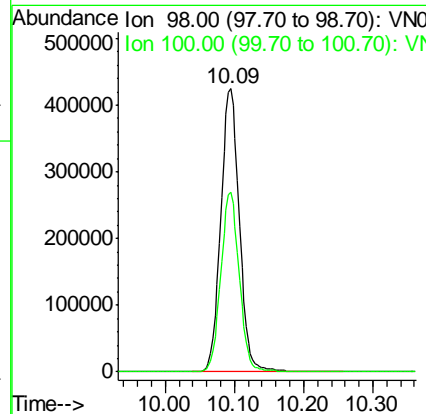
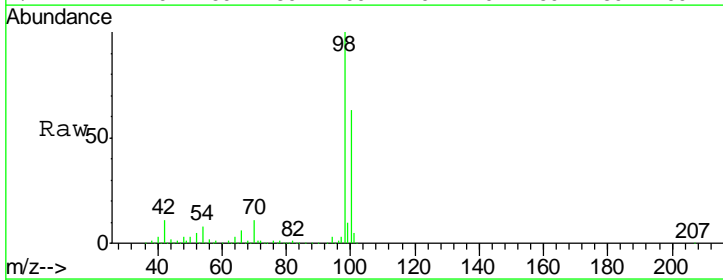
Instrument : MSVOA_N
 ClientSampleId : 934-MW-17(14)DL

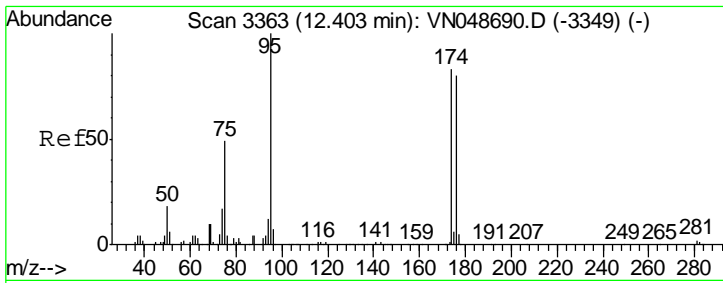
Tgt Ion	Resp	Lower	Upper
130	100		
95	84.4	0.0	191.6



#50
 Toluene-d8
 Concen: 52.88 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048791.D
 Acq: 31 May 2018 15:02

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.0	51.2	76.8

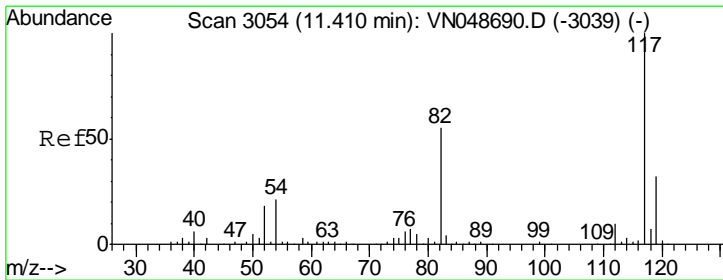
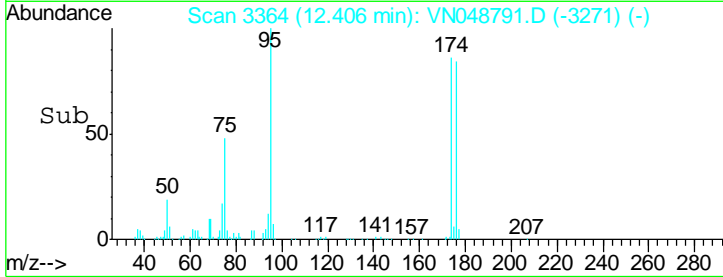
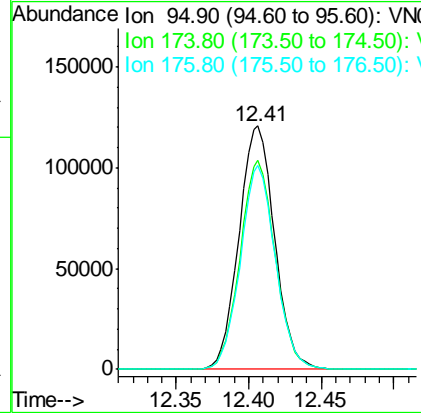
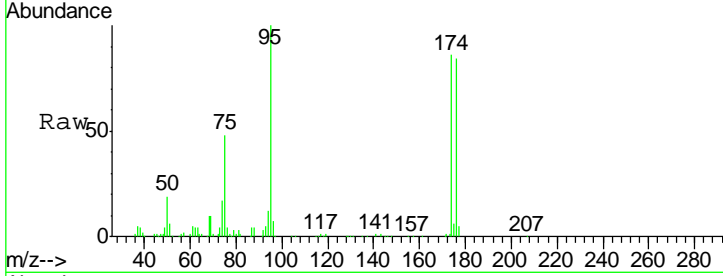




#62
 4-Bromofluorobenzene
 Concen: 39.90 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN048791.D
 Acq: 31 May 2018 15:02

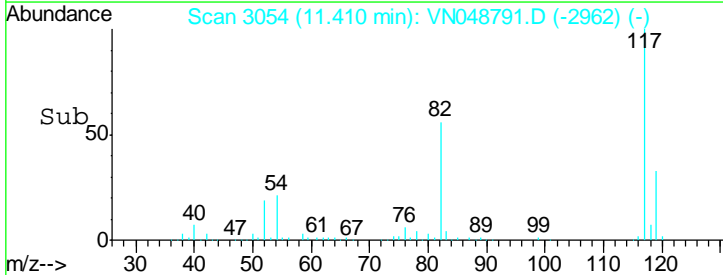
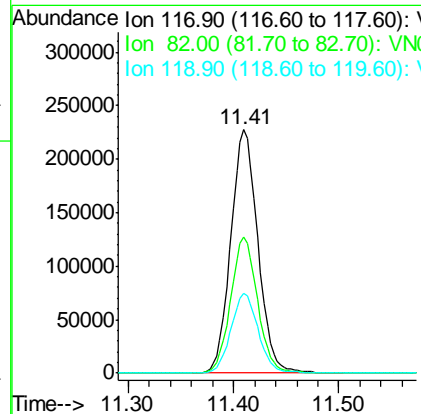
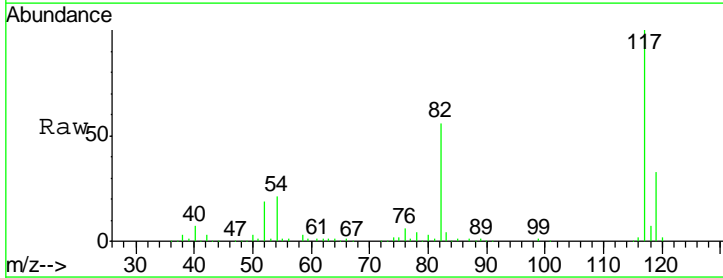
Instrument : MSVOA_N
 ClientSampleId : 934-MW-17(14)DL

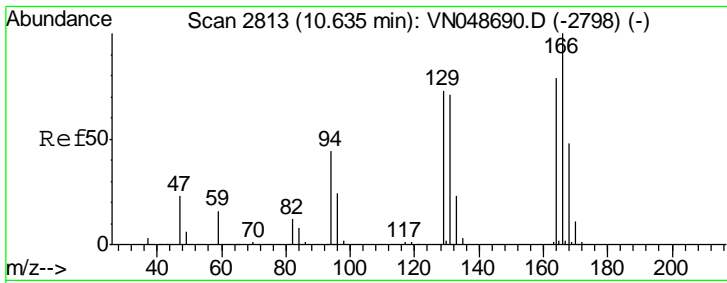
Tgt Ion	Resp	Lower	Upper
95	100		
174	84.8	0.0	173.8
176	82.1	0.0	170.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048791.D
 Acq: 31 May 2018 15:02

Tgt Ion	Resp	Lower	Upper
117	100		
82	55.8	42.8	64.2
119	32.7	26.0	39.0

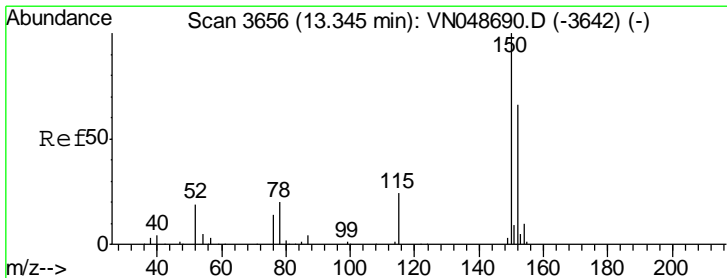
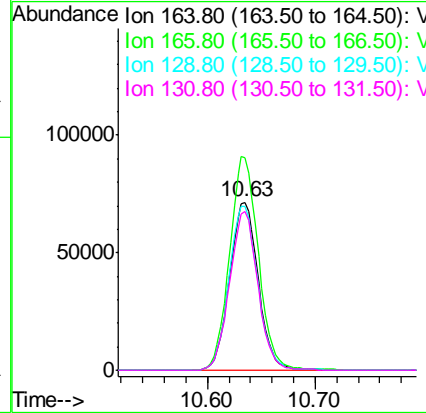
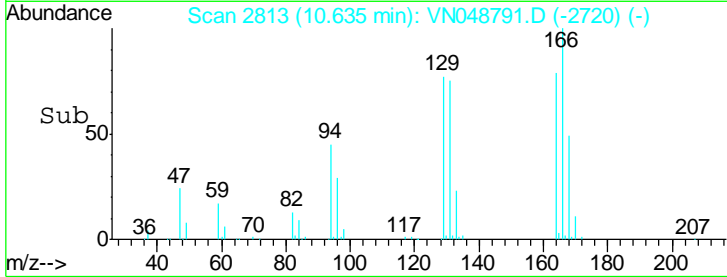
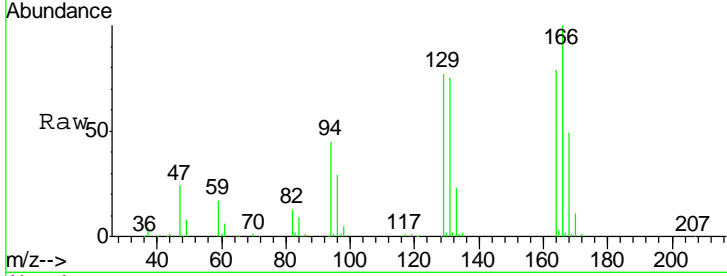




#64
 Tetrachloroethene
 Concen: 32.24 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048791.D
 Acq: 31 May 2018 15:02

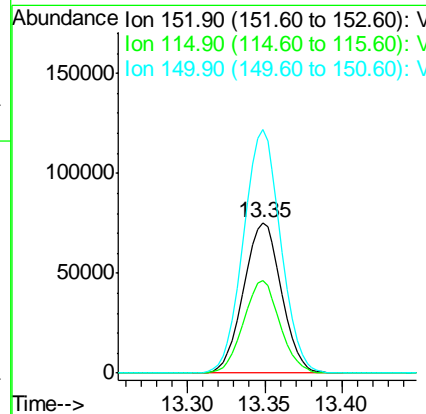
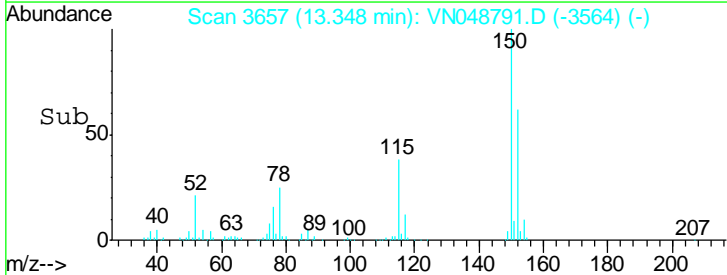
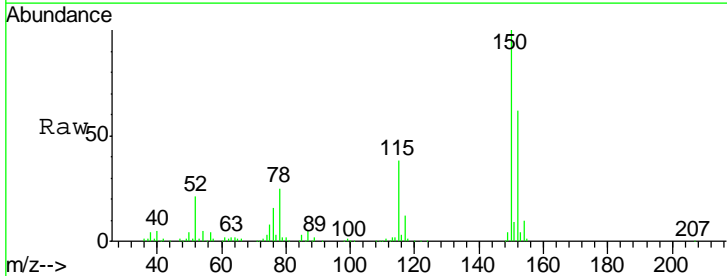
Instrument : MSVOA_N
 ClientSampled : 934-MW-17(14)DL

Tgt Ion	Resp	Lower	Upper
164	100		
166	126.2	102.7	154.1
129	97.4	74.3	111.5
131	94.7	71.4	107.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048791.D
 Acq: 31 May 2018 15:02

Tgt Ion	Resp	Lower	Upper
152	100		
115	59.0	28.1	84.4
150	159.6	0.0	353.0





284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	935-MW-17(17)	SDG No.:	J3131
Lab Sample ID:	J3131-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048768.D	1		05/31/18 03:52	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	7.3		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	2.5		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.88	J	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1.3		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	35.7		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	45.3		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	935-MW-17(17)	SDG No.:	J3131
Lab Sample ID:	J3131-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048768.D	1		05/31/18 03:52	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	4500	EB	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.3		61 - 141		87%	SPK: 50
1868-53-7	Dibromofluoromethane	42.1		69 - 133		84%	SPK: 50
2037-26-5	Toluene-d8	41.9		65 - 126		84%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.6		58 - 135		65%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	293631	7.67				
540-36-3	1,4-Difluorobenzene	470843	8.59				
3114-55-4	Chlorobenzene-d5	400747	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	131572	13.35				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	935-MW-17(17)	SDG No.:	J3131
Lab Sample ID:	J3131-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048768.D	1		05/31/18 03:52	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048768.D
 Acq On : 31 May 2018 3:52
 Operator : MD\SY
 Sample : J3131-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 935-MW-17(17)

Manual Integrations
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MMDadoda
 5/31/2018 3:07:14 PM

Quant Time: May 31 08:10:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	293631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	470843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	400747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	131572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	184940	43.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.68%	
35) Dibromofluoromethane	7.59	113	167855	42.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.18%	
50) Toluene-d8	10.09	98	617403	41.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.76%	
62) 4-Bromofluorobenzene	12.40	95	165872	32.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.20%	

Target Compounds

						Qvalue
16) Acetone	3.82	43	16401	7.29	ug/l	91
18) Methyl Acetate	4.33	43	9731	2.52	ug/l #	74
20) Methylene Chloride	4.54	84	4043	0.88	ug/l #	85
21) trans-1,2-Dichloroethene	5.05	96	5168	1.26	ug/l	86
27) cis-1,2-Dichloroethene	6.83	96	164606	35.70	ug/l	91
44) Trichloroethene	8.84	130	221157	45.26	ug/l	97
64) Tetrachloroethene	10.63	164	18395711m	4534.09	ug/l	

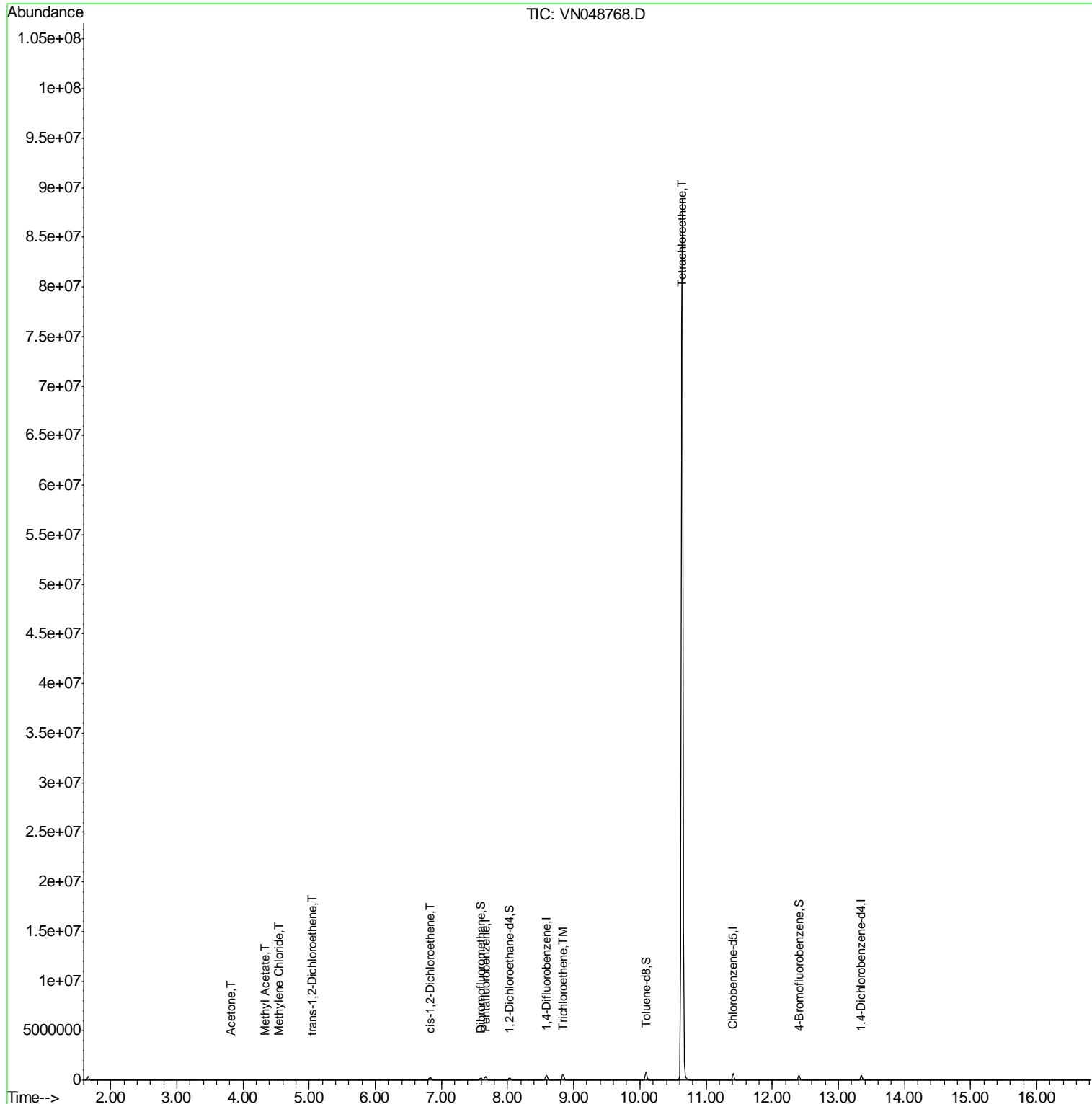
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048768.D
 Acq On : 31 May 2018 3:52
 Operator : MD\SY
 Sample : J3131-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

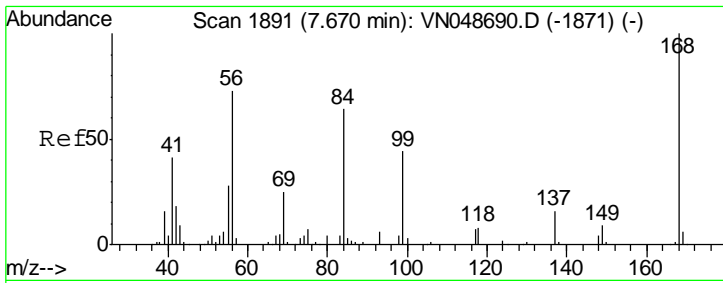
Instrument :
 MSVOA_N
 Client Sampled :
 935-MW-17(17)

Manual Integrations
 APPROVED
 MMDadoda
 5/31/2018 3:07:14 PM

Quant Time: May 31 08:10:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

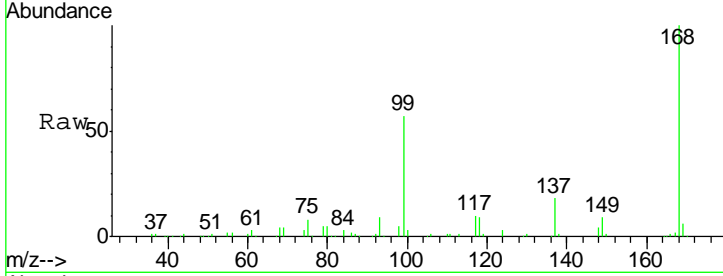


- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



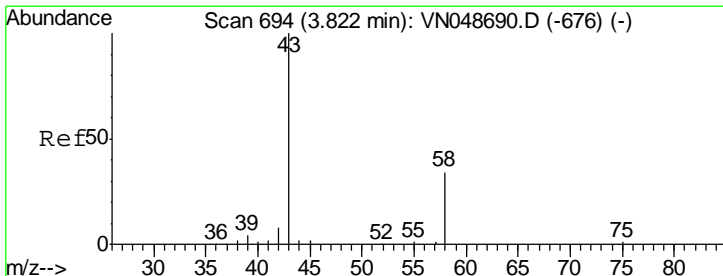
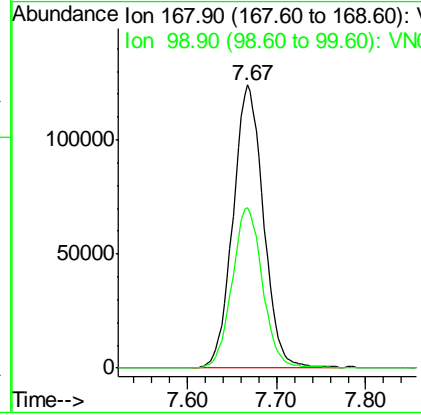
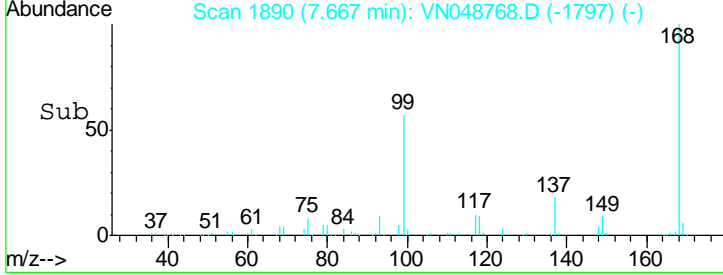
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52

Instrument : MSVOA_N
 Client Sampled : 935-MW-17(17)

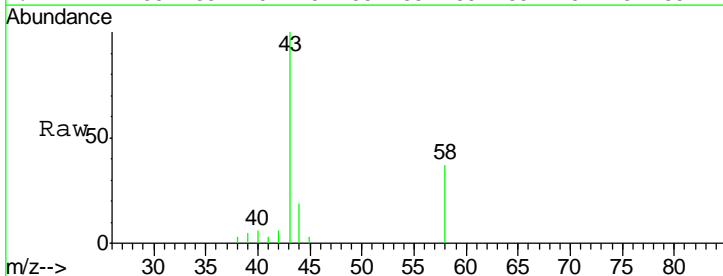


Tgt Ion: 168 Resp: 293631
 Ion Ratio Lower Upper
 168 100
 99 56.7 40.8 61.2

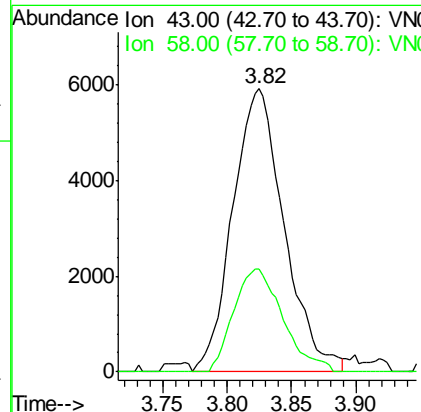
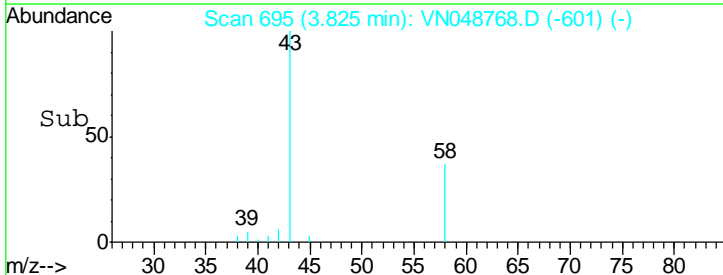
Manual Integrations
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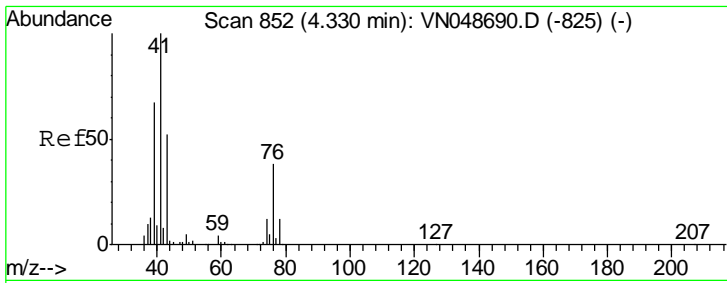


#16
 Acetone
 Concen: 7.29 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52



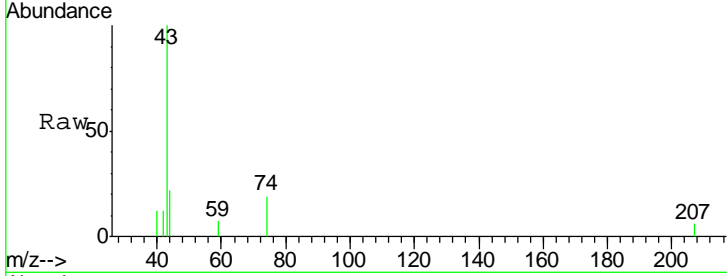
Tgt Ion: 43 Resp: 16401
 Ion Ratio Lower Upper
 43 100
 58 36.6 25.4 38.0





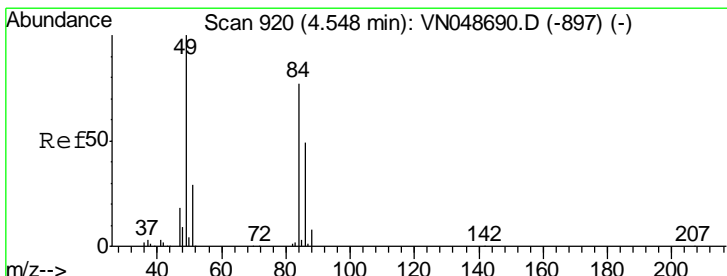
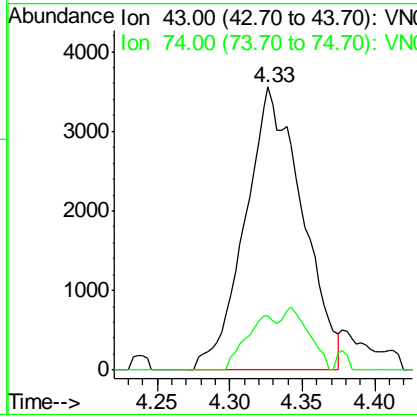
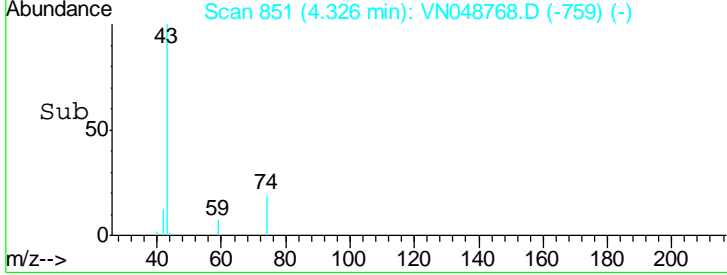
#18
 Methyl Acetate
 Concen: 2.52 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52

Instrument : MSVOA_N
 Client Sampled : 935-MW-17(17)

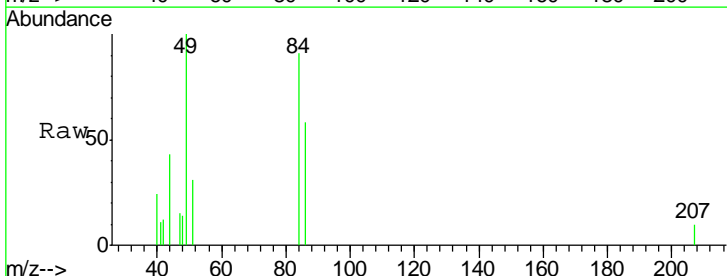


Tgt Ion: 43 Resp: 9731
 Ion Ratio Lower Upper
 43 100
 74 10.5 18.4 27.6#

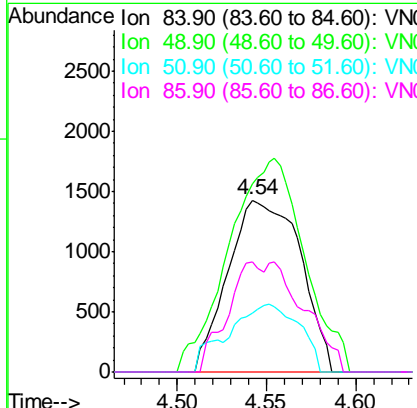
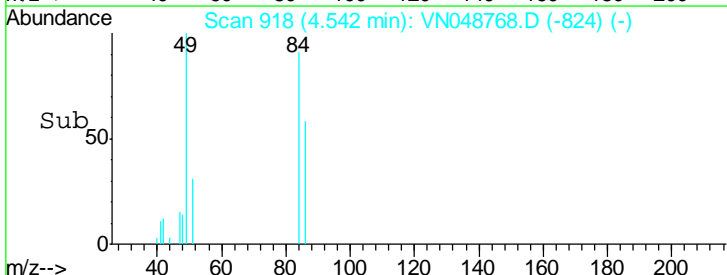
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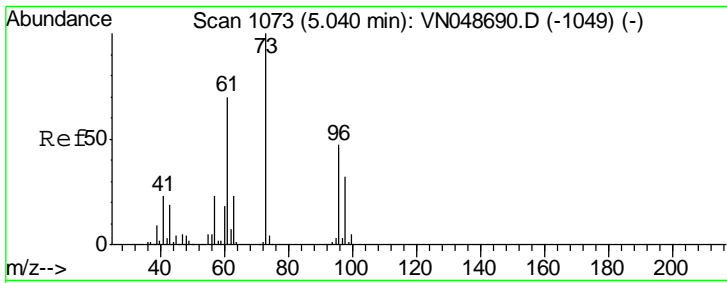


#20
 Methylene Chloride
 Concen: 0.88 ug/l
 RT: 4.54 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52



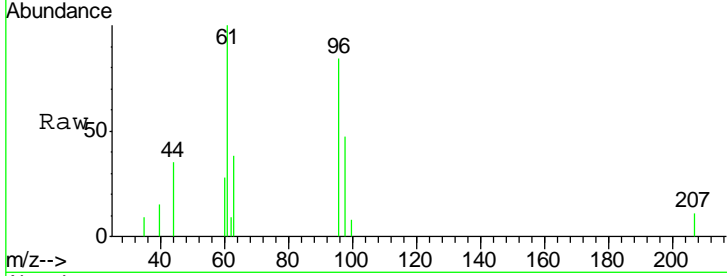
Tgt Ion: 84 Resp: 4043
 Ion Ratio Lower Upper
 84 100
 49 93.4 97.7 146.5#
 51 34.1 30.4 45.6
 86 63.8 51.8 77.8





#21
 trans-1,2-Dichloroethene
 Concen: 1.26 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52

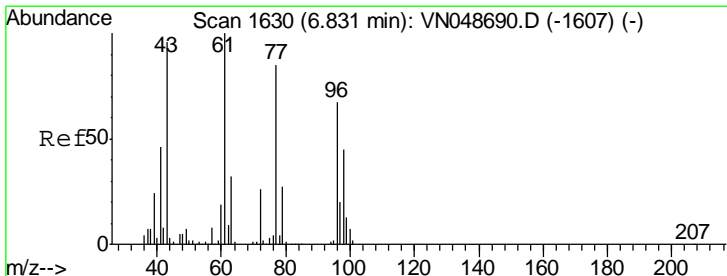
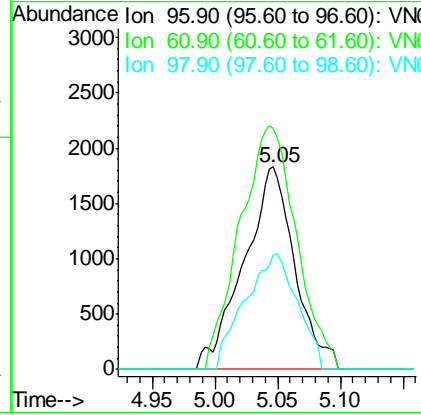
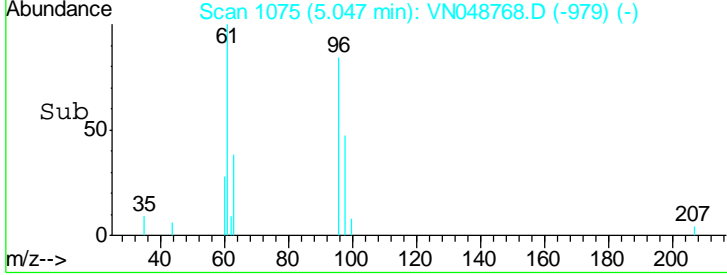
Instrument :
 MSVOA_N
 Client Sampled :
 935-MW-17(17)



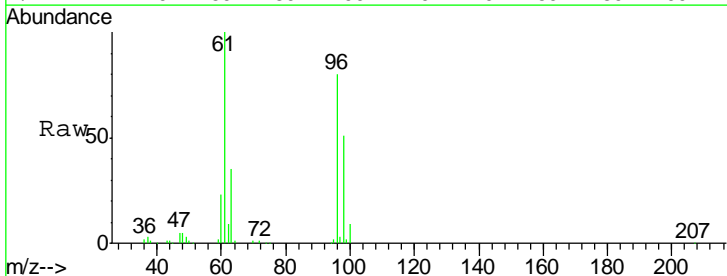
Tgt Ion: 96 Resp: 5168

Ion	Ratio	Lower	Upper
96	100		
61	119.5	112.2	168.2
98	56.7	50.5	75.7

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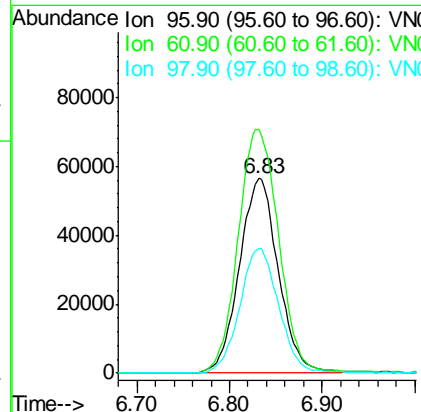
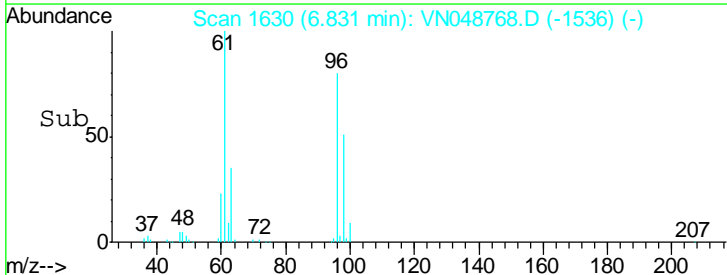


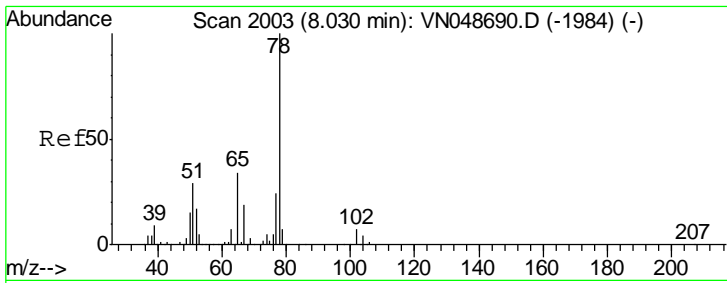
#27
 cis-1,2-Dichloroethene
 Concen: 35.70 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52



Tgt Ion: 96 Resp: 164606

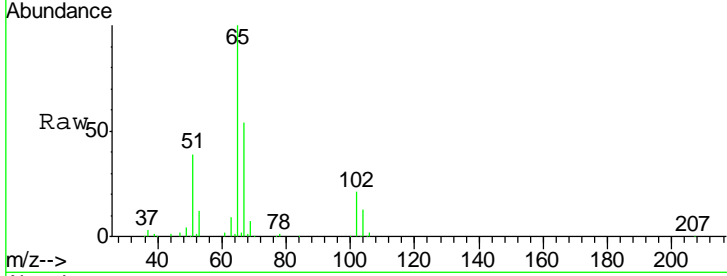
Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	292.6
98	63.9	0.0	128.2





#33
 1,2-Dichloroethane-d4
 Concen: 43.34 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52

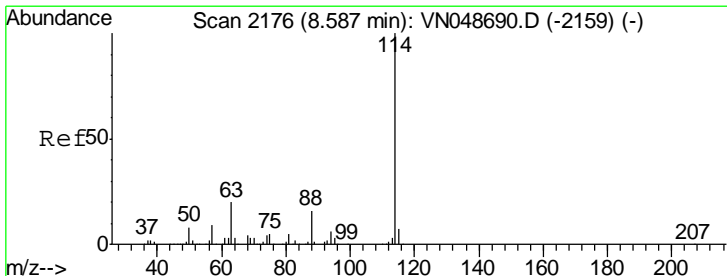
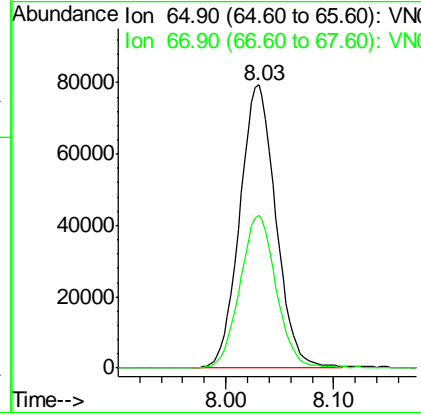
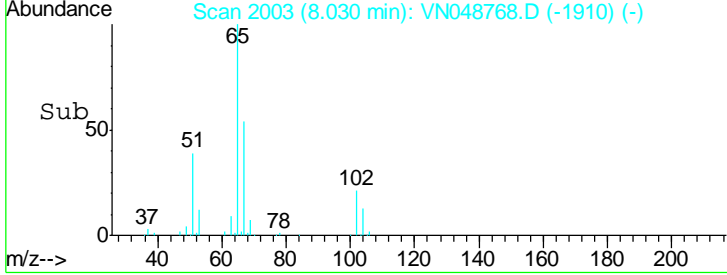
Instrument : MSVOA_N
 Client Sampled : 935-MW-17(17)



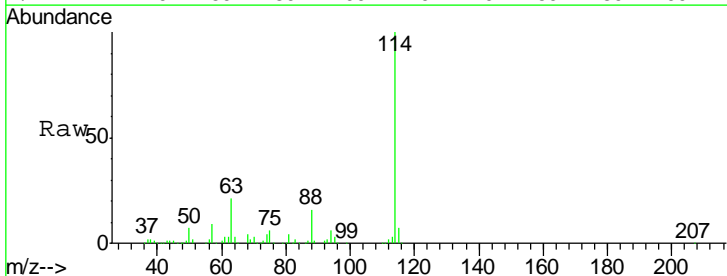
Tgt Ion: 65 Resp: 184940

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	108.4

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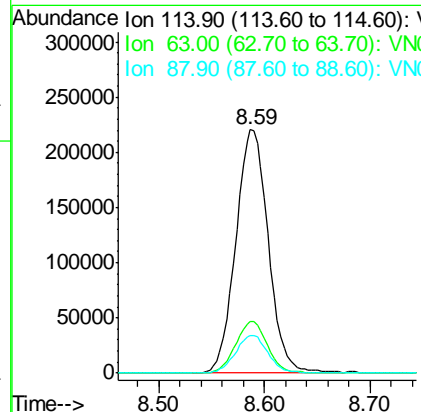
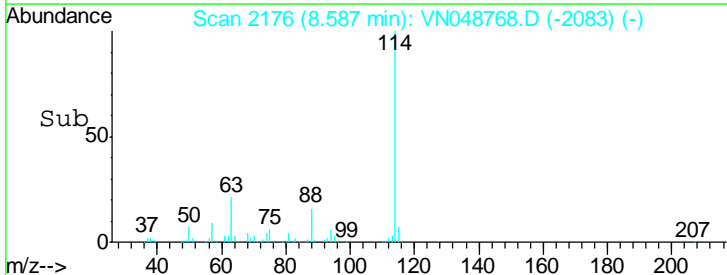


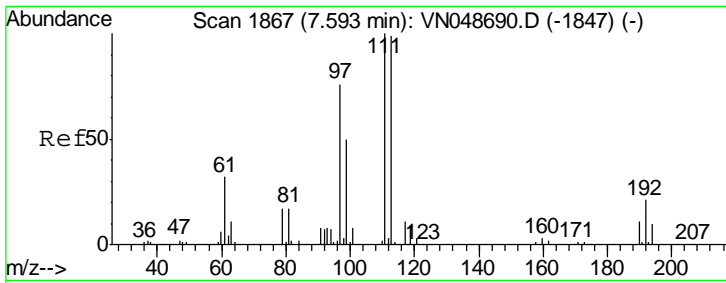
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52



Tgt Ion: 114 Resp: 470843

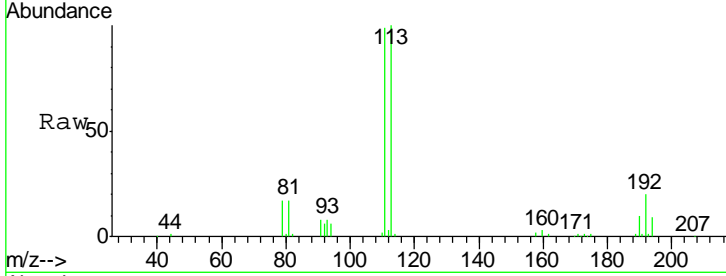
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.0
88	15.6	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 42.09 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52

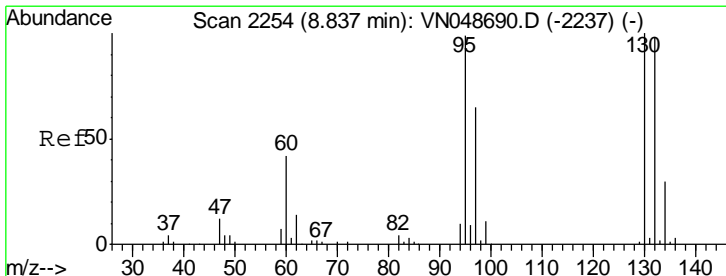
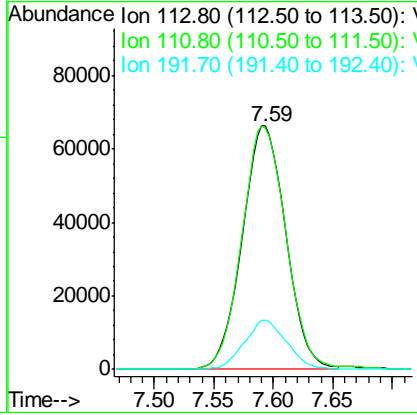
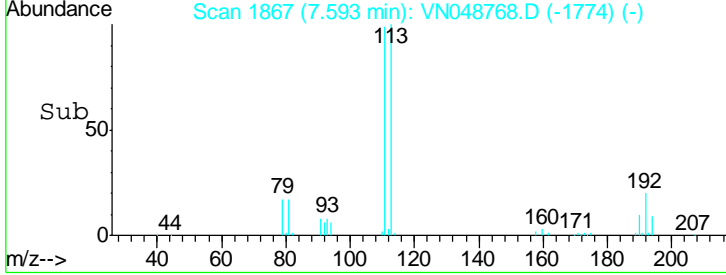
Instrument :
 MSVOA_N
 Client Sampled :
 935-MW-17(17)



Tgt Ion: 113 Resp: 167855

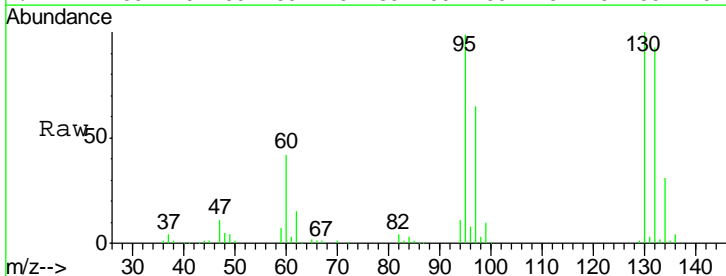
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.7	122.5
192	19.6	17.6	26.4

Manual Integrations
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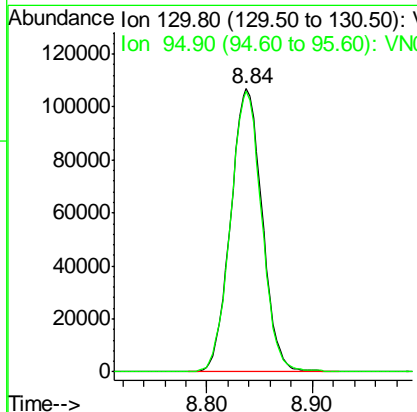
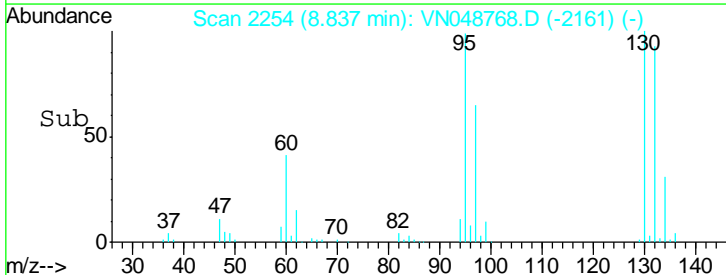
#44
 Trichloroethene
 Concen: 45.26 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52

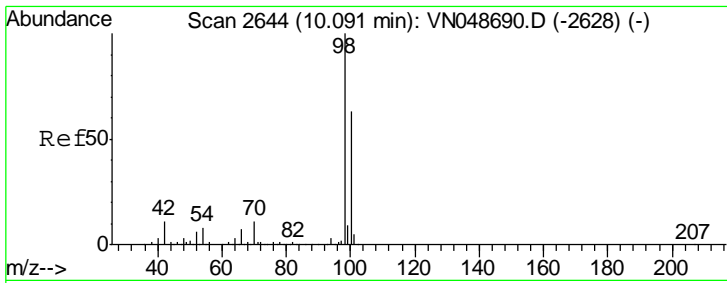
16



Tgt Ion: 130 Resp: 221157

Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	191.6



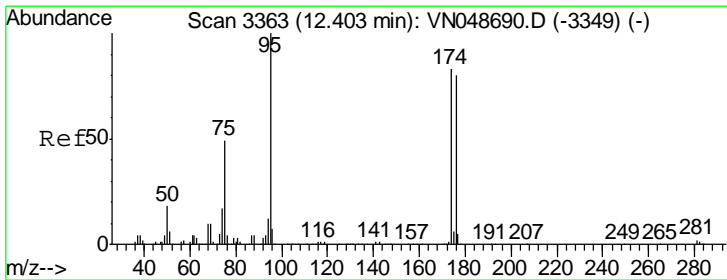
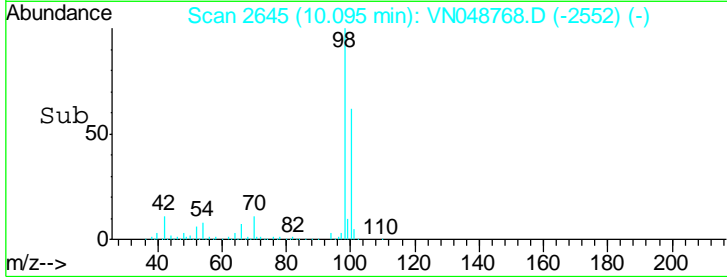
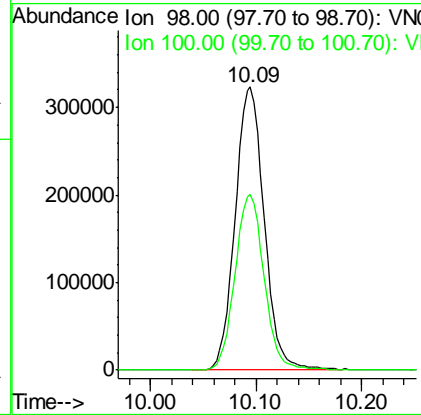
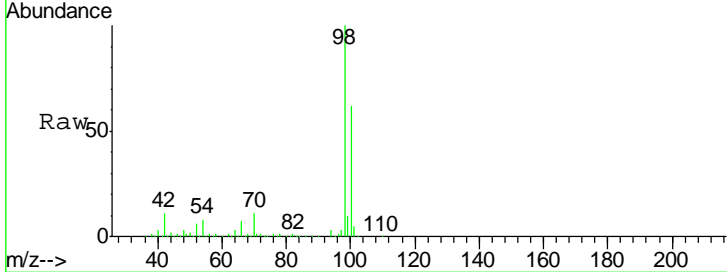


#50
 Toluene-d8
 Concen: 41.88 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52

Instrument : MSVOA_N
 Client Sampled : 935-MW-17(17)

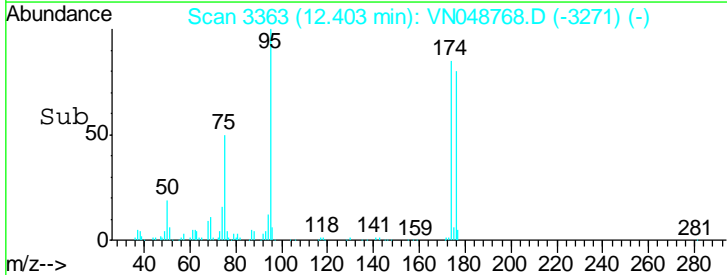
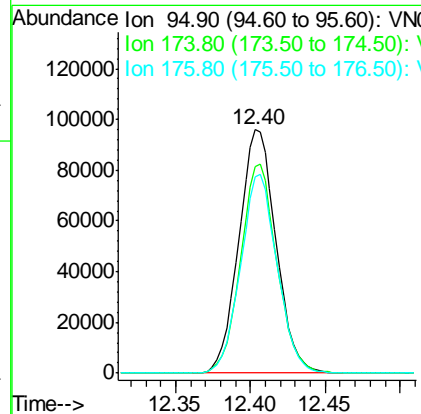
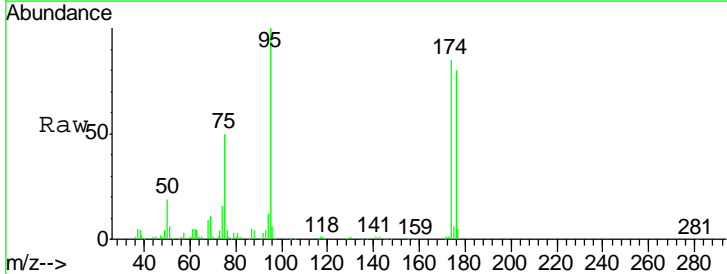
Tgt Ion	Resp	Lower	Upper
98	617403		
98	100		
100	62.2	51.2	76.8

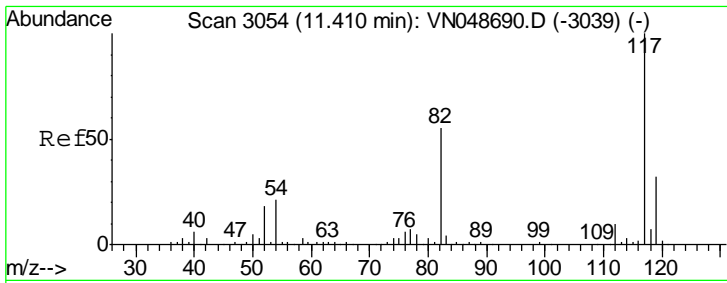
Manual Integrations
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 5/31/2018 3:07:14 PM



#62
 4-Bromofluorobenzene
 Concen: 32.60 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52

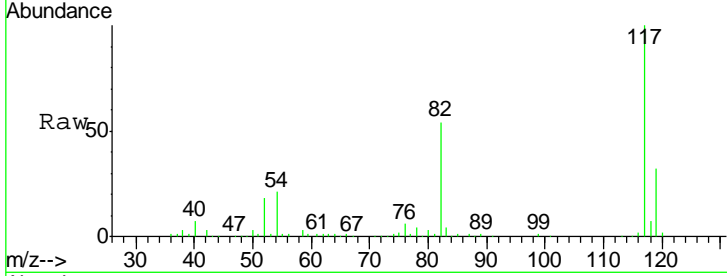
Tgt Ion	Resp	Lower	Upper
95	165872		
95	100		
174	83.7	0.0	173.8
176	80.3	0.0	170.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52

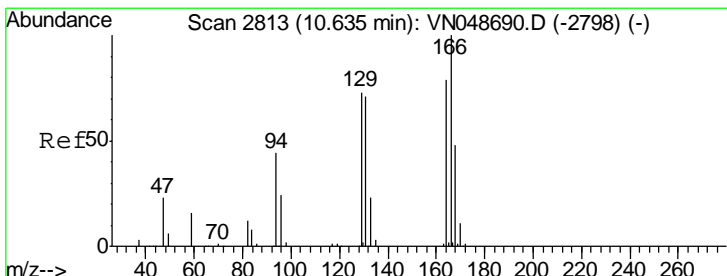
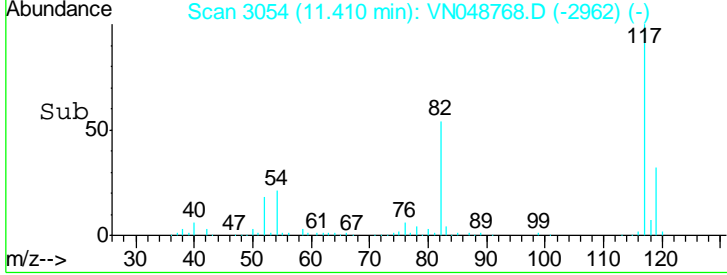
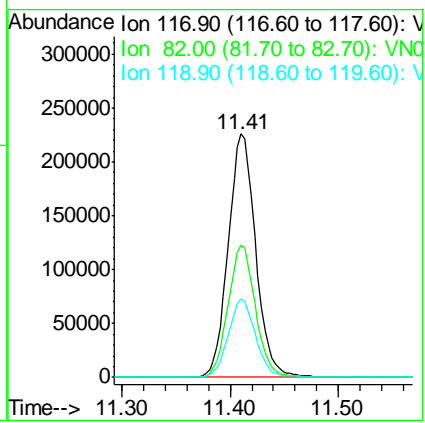
Instrument :
 MSVOA_N
 ClientSampled :
 935-MW-17(17)



Tgt Ion: 117 Resp: 400747

Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.8	64.2
119	32.0	26.0	39.0

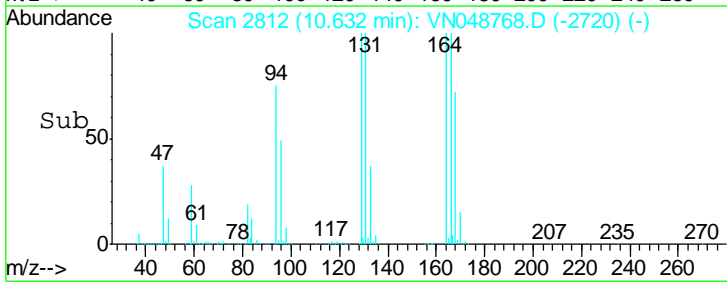
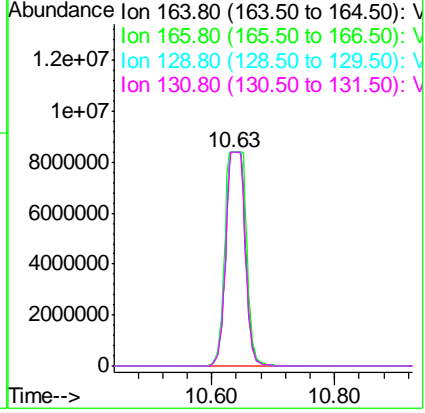
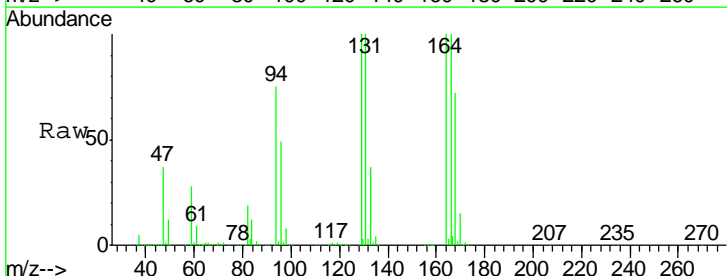
Manual Integrations
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 MMDadoda
 5/31/2018 3:07:14 PM

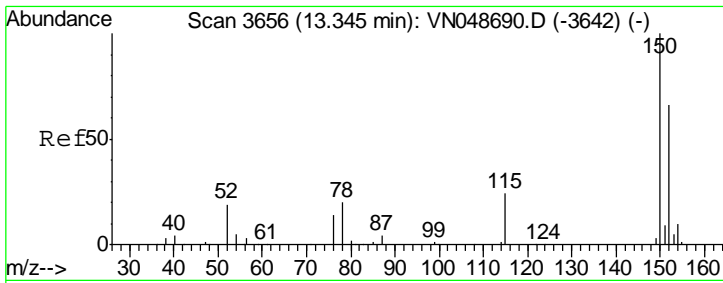


#64
 Tetrachloroethene
 Concen: 4534.09 ug/l m
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52

Tgt Ion: 164 Resp: 18395711

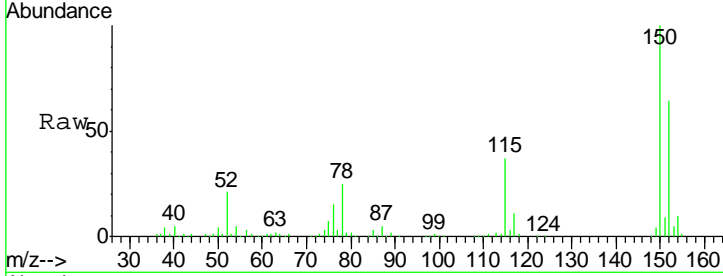
Ion	Ratio	Lower	Upper
164	100		
166	100.0	102.7	154.1#
129	100.0	74.3	111.5
131	100.0	71.4	107.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048768.D
 Acq: 31 May 2018 3:52

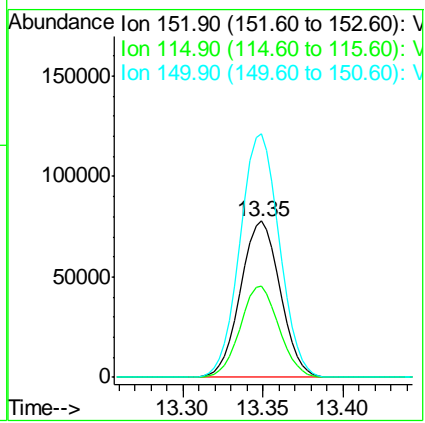
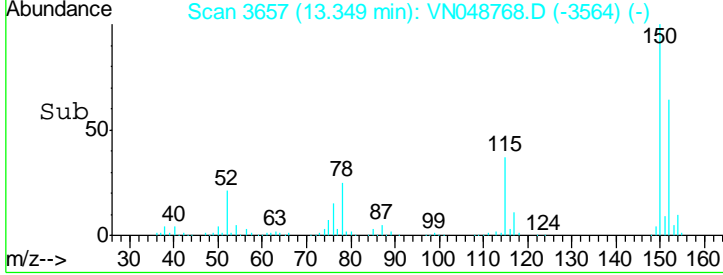
Instrument :
 MSVOA_N
 ClientSampled :
 935-MW-17(17)



Tot Ion:152 Resp: 131572

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.1	84.4
150	154.8	0.0	353.0

Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:07:14 PM



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048768.D
 Acq On : 31 May 2018 3:52
 Operator : MD\SY
 Sample : J3131-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 935-MW-17(17)

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	10.638	2796	2814	2860	rBV3	88840152	159532471	100.00%	100.000%

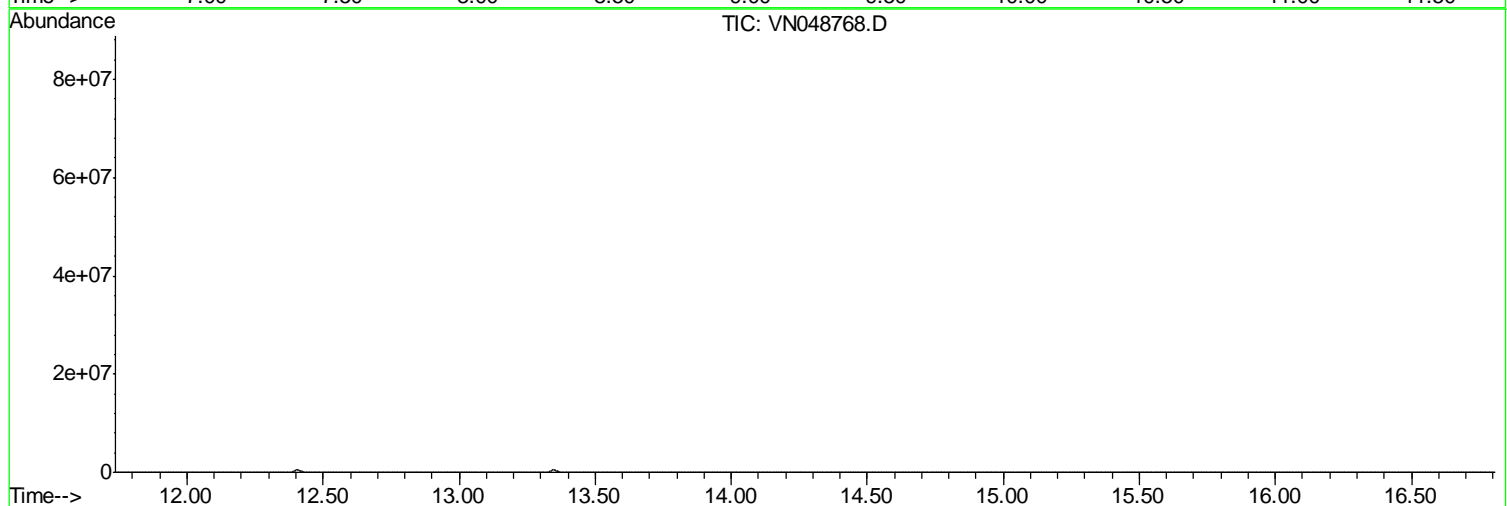
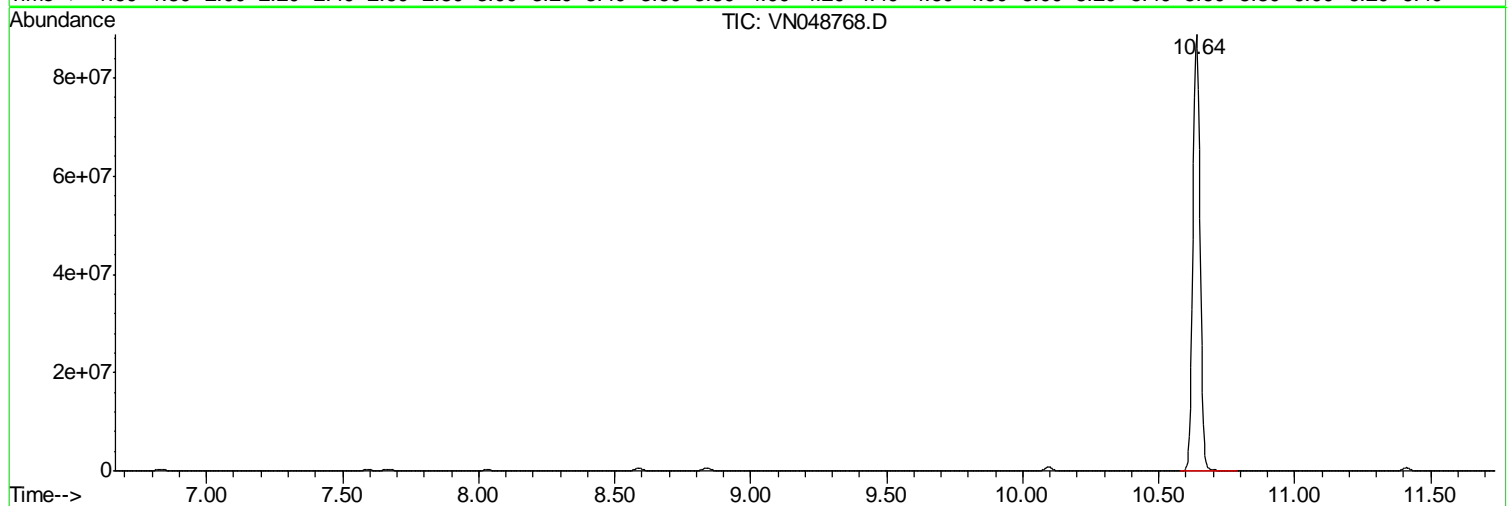
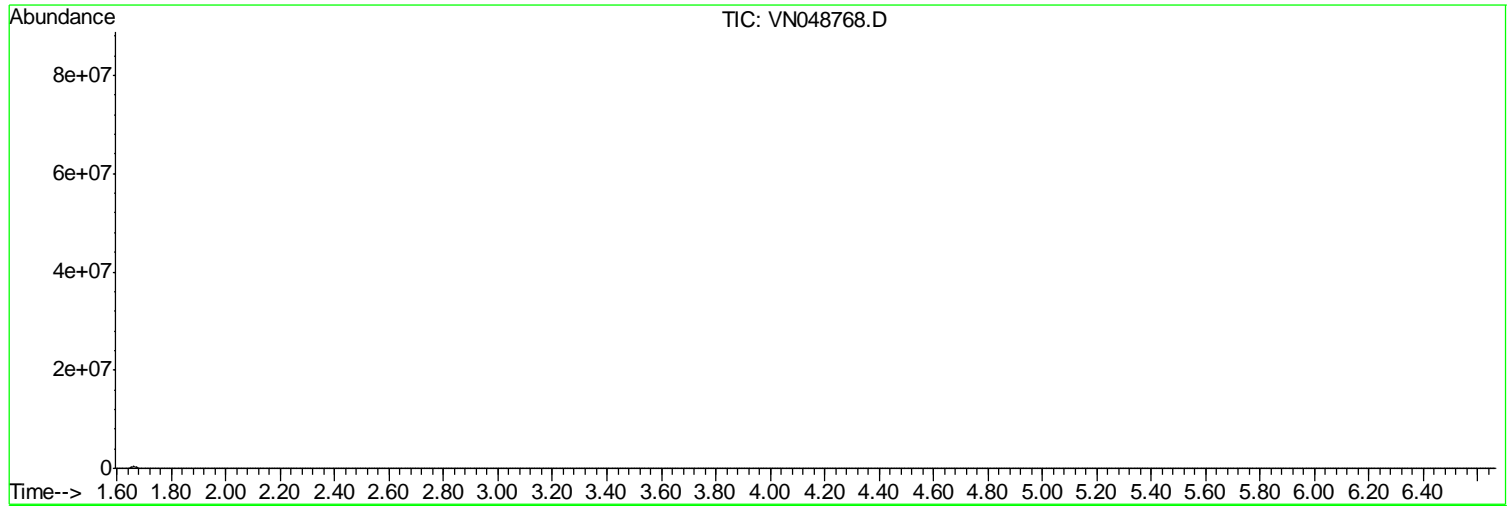
Sum of corrected areas: 159532471

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
Data File : VN048768.D
Acq On : 31 May 2018 3:52
Operator : MD\SY
Sample : J3131-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
935-MW-17(17)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
Data File : VN048768.D
Acq On : 31 May 2018 3:52
Operator : MD\SY
Sample : J3131-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
935-MW-17(17)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
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- 6
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- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
 Data File : VN048768.D
 Acq On : 31 May 2018 3:52
 Operator : MD\SY
 Sample : J3131-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 935-MW-17(17)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	935-MW-17(17)DL	SDG No.:	J3131
Lab Sample ID:	J3131-07DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048792.D	100		05/31/18 15:28	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	100	UD	20	20	100	ug/L
74-87-3	Chloromethane	100	UD	20	20	100	ug/L
75-01-4	Vinyl Chloride	100	UD	20	20	100	ug/L
74-83-9	Bromomethane	100	UD	20	20	100	ug/L
75-00-3	Chloroethane	100	UD	20	50	100	ug/L
75-69-4	Trichlorofluoromethane	100	UD	20	20	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	100	UD	20	20	100	ug/L
75-35-4	1,1-Dichloroethene	100	UD	20	20	100	ug/L
67-64-1	Acetone	500	UD	50	100	500	ug/L
75-15-0	Carbon Disulfide	100	UD	20	20	100	ug/L
1634-04-4	Methyl tert-butyl Ether	100	UD	35	50	100	ug/L
79-20-9	Methyl Acetate	100	UD	20	50	100	ug/L
75-09-2	Methylene Chloride	100	UD	20	20	100	ug/L
156-60-5	trans-1,2-Dichloroethene	100	UD	20	20	100	ug/L
75-34-3	1,1-Dichloroethane	100	UD	20	20	100	ug/L
110-82-7	Cyclohexane	100	UD	20	20	100	ug/L
78-93-3	2-Butanone	500	UD	130	250	500	ug/L
56-23-5	Carbon Tetrachloride	100	UD	20	20	100	ug/L
156-59-2	cis-1,2-Dichloroethene	100	UD	20	20	100	ug/L
74-97-5	Bromochloromethane	100	UD	20	50	100	ug/L
67-66-3	Chloroform	100	UD	20	20	100	ug/L
71-55-6	1,1,1-Trichloroethane	100	UD	20	20	100	ug/L
108-87-2	Methylcyclohexane	100	UD	20	20	100	ug/L
71-43-2	Benzene	100	UD	20	20	100	ug/L
107-06-2	1,2-Dichloroethane	100	UD	20	20	100	ug/L
79-01-6	Trichloroethene	44	JD	20	20	100	ug/L
78-87-5	1,2-Dichloropropane	100	UD	20	20	100	ug/L
75-27-4	Bromodichloromethane	100	UD	20	20	100	ug/L
108-10-1	4-Methyl-2-Pentanone	500	UD	100	100	500	ug/L
108-88-3	Toluene	100	UD	20	20	100	ug/L
10061-02-6	t-1,3-Dichloropropene	100	UD	20	20	100	ug/L
10061-01-5	cis-1,3-Dichloropropene	100	UD	20	20	100	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	935-MW-17(17)DL	SDG No.:	J3131
Lab Sample ID:	J3131-07DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048792.D	100		05/31/18 15:28	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	100	UD	20	20	100	ug/L
591-78-6	2-Hexanone	500	UD	190	250	500	ug/L
124-48-1	Dibromochloromethane	100	UD	20	20	100	ug/L
106-93-4	1,2-Dibromoethane	100	UD	20	20	100	ug/L
127-18-4	Tetrachloroethene	4000	D	20	20	100	ug/L
108-90-7	Chlorobenzene	100	UD	20	20	100	ug/L
100-41-4	Ethyl Benzene	100	UD	20	20	100	ug/L
179601-23-1	m/p-Xylenes	200	UD	40	40	200	ug/L
95-47-6	o-Xylene	100	UD	20	20	100	ug/L
100-42-5	Styrene	100	UD	20	20	100	ug/L
75-25-2	Bromoform	100	UD	20	20	100	ug/L
98-82-8	Isopropylbenzene	100	UD	20	20	100	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	100	UD	20	20	100	ug/L
541-73-1	1,3-Dichlorobenzene	100	UD	20	20	100	ug/L
106-46-7	1,4-Dichlorobenzene	100	UD	20	20	100	ug/L
95-50-1	1,2-Dichlorobenzene	100	UD	20	20	100	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	100	UD	20	20	100	ug/L
120-82-1	1,2,4-Trichlorobenzene	100	UD	20	20	100	ug/L
87-61-6	1,2,3-Trichlorobenzene	100	UD	20	20	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.6		61 - 141		115%	SPK: 50
1868-53-7	Dibromofluoromethane	55		69 - 133		110%	SPK: 50
2037-26-5	Toluene-d8	53.7		65 - 126		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.6		58 - 135		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	273304	7.67				
540-36-3	1,4-Difluorobenzene	438420	8.59				
3114-55-4	Chlorobenzene-d5	374458	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	105412	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	935-MW-17(17)DL	SDG No.:	J3131
Lab Sample ID:	J3131-07DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048792.D	100		05/31/18 15:28	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048792.D
 Acq On : 31 May 2018 15:28
 Operator : MD\SY
 Sample : J3131-07DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 935-MW-17(17)DL

Quant Time: May 31 16:37:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	273304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	438420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	374458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	105412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	228900	57.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.26%	
35) Dibromofluoromethane	7.59	113	204348	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
50) Toluene-d8	10.09	98	736875	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.41	95	187773	39.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.28%	

Target Compounds

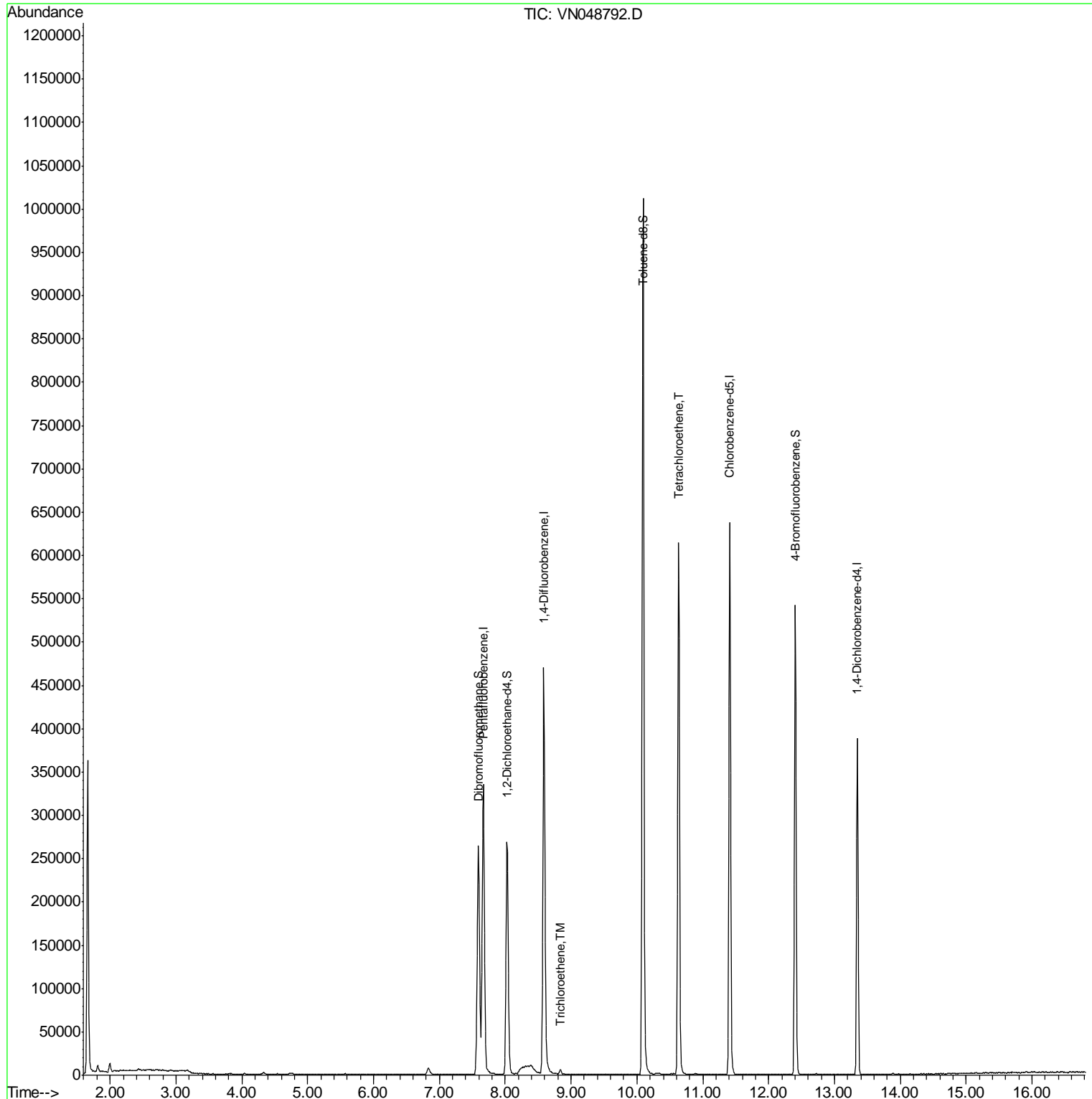
						Qvalue
44) Trichloroethene	8.84	130	1980	0.44	ug/l	94
64) Tetrachloroethene	10.63	164	152042	40.11	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

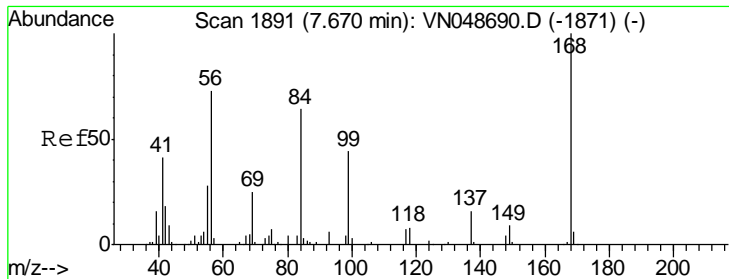
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048792.D
 Acq On : 31 May 2018 15:28
 Operator : MD\SY
 Sample : J3131-07DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 935-MW-17(17)DL

Quant Time: May 31 16:37:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



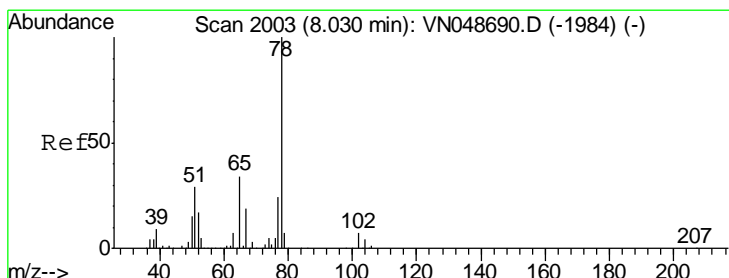
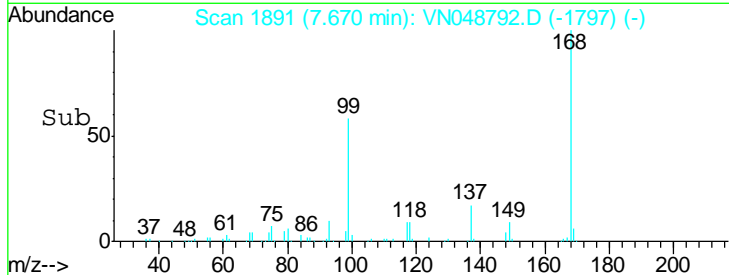
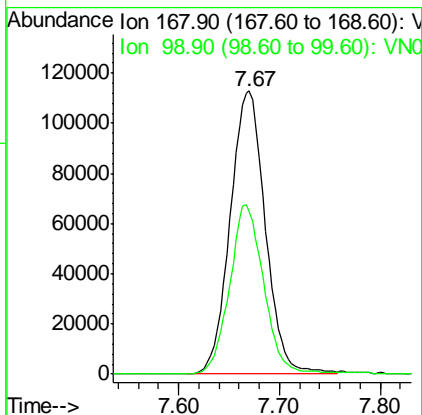
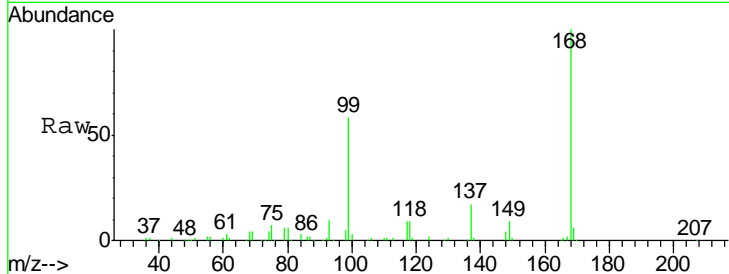
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- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN048792.D
 Acq: 31 May 2018 15:28

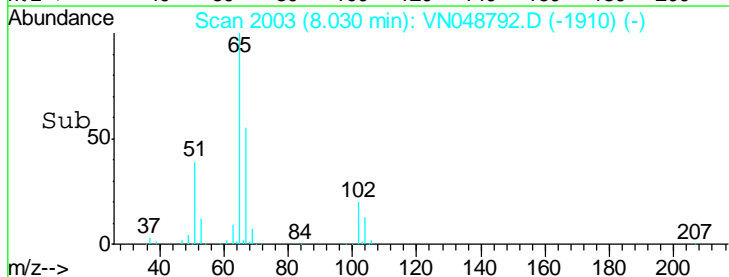
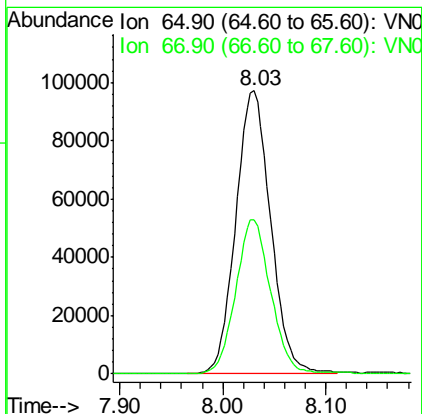
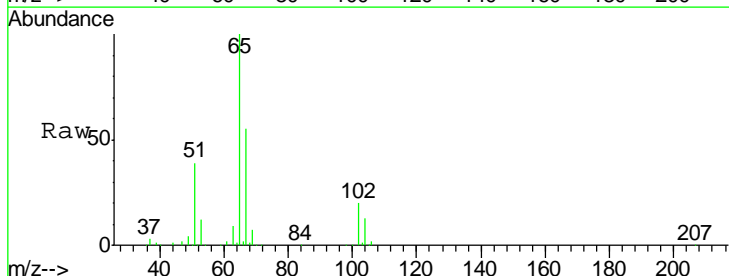
Instrument : MSVOA_N
 ClientSampled : 935-MW-17(17)DL

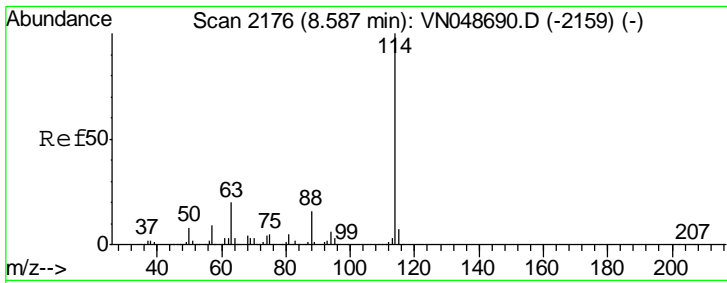
Tgt Ion	Resp	Lower	Upper
168	100		
99	57.8	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 57.63 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048792.D
 Acq: 31 May 2018 15:28

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.5	0.0	108.4

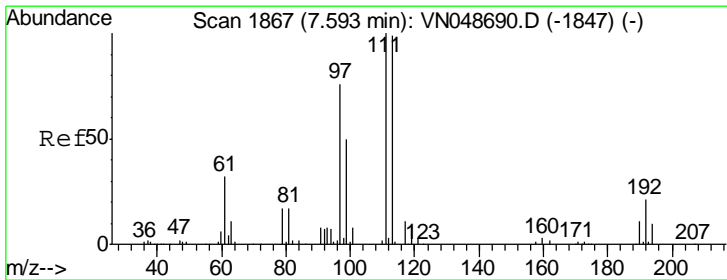
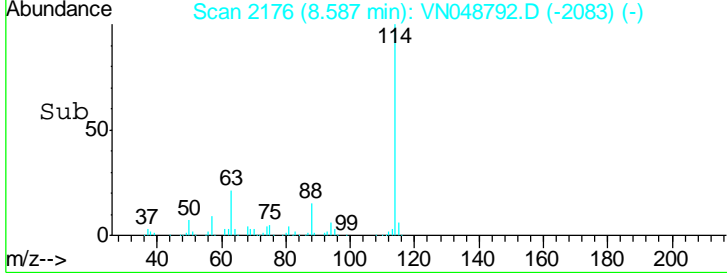
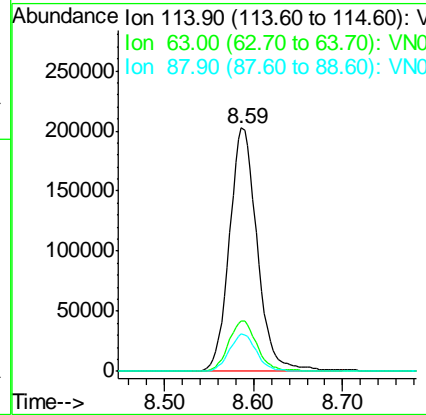
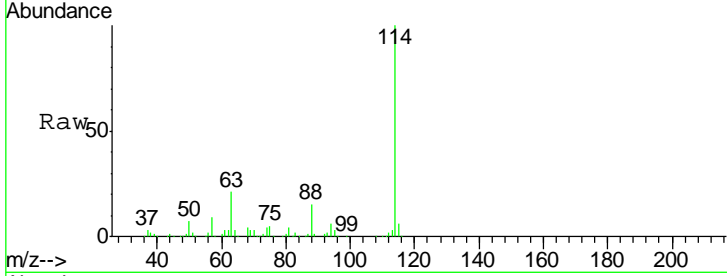




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048792.D
 Acq: 31 May 2018 15:28

Instrument : MSVOA_N
 ClientSampled : 935-MW-17(17)DL

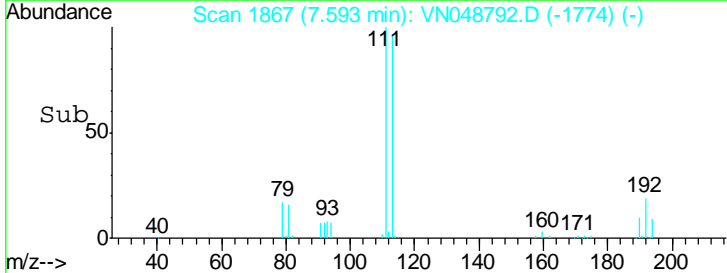
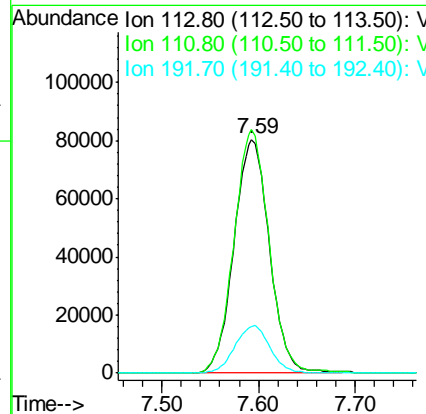
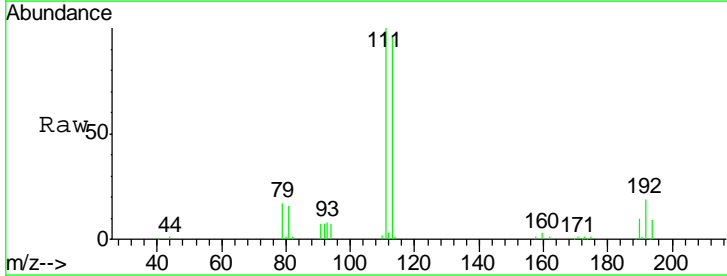
Tgt Ion	Resp	Lower	Upper
114	438420		
63	20.9	0.0	40.0
88	15.2	0.0	31.0

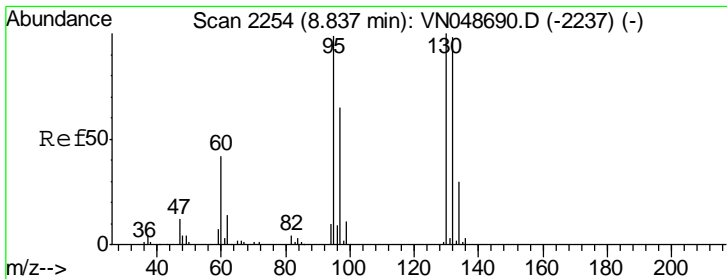


#35
 Dibromofluoromethane
 Concen: 55.03 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048792.D
 Acq: 31 May 2018 15:28

Instrument : MSVOA_N
 ClientSampled : 935-MW-17(17)DL

Tgt Ion	Resp	Lower	Upper
113	204348		
111	102.2	81.7	122.5
192	20.1	17.6	26.4



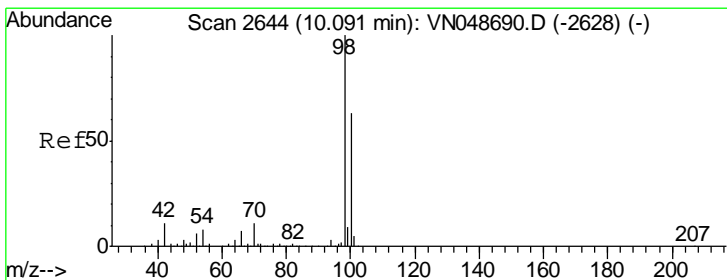
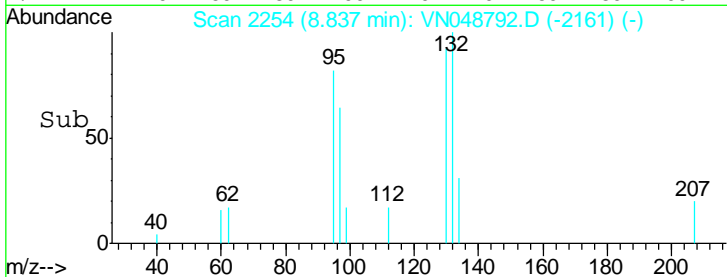
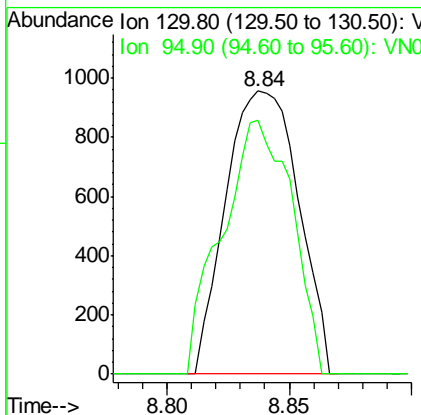
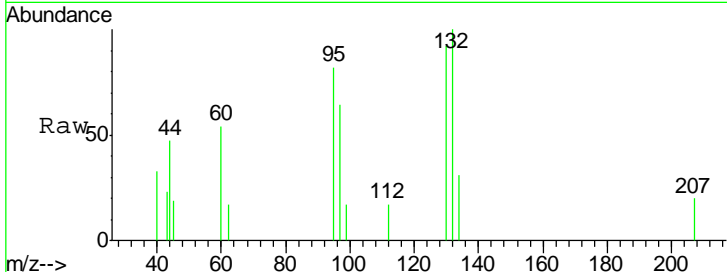


#44

Trichloroethene
 Concen: 0.44 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048792.D
 Acq: 31 May 2018 15:28

Instrument : MSVOA_N
 ClientSampled : 935-MW-17(17)DL

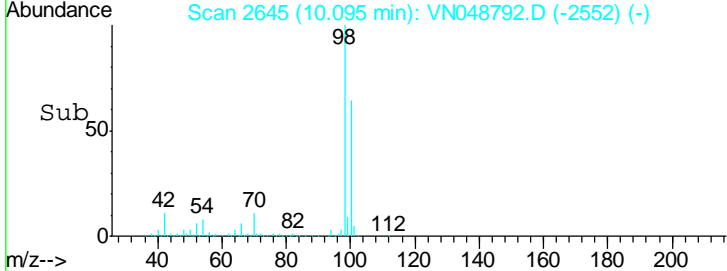
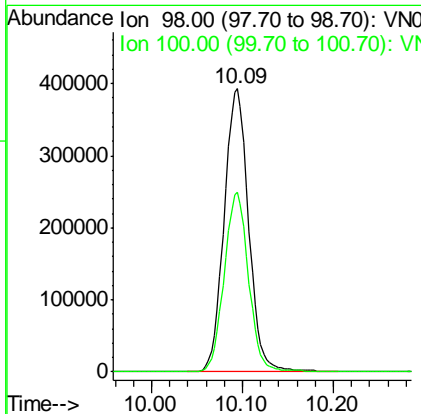
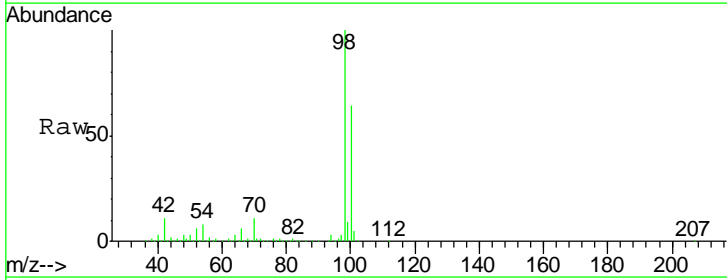
Tgt Ion	Resp	Lower	Upper
130	100		
95	89.5	0.0	191.6

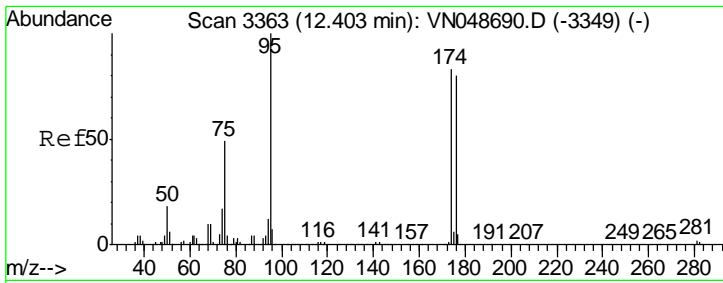


#50

Toluene-d8
 Concen: 53.69 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048792.D
 Acq: 31 May 2018 15:28

Tgt Ion	Resp	Lower	Upper
98	100		
100	62.9	51.2	76.8

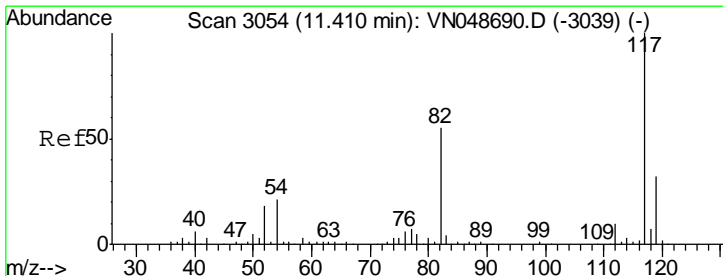
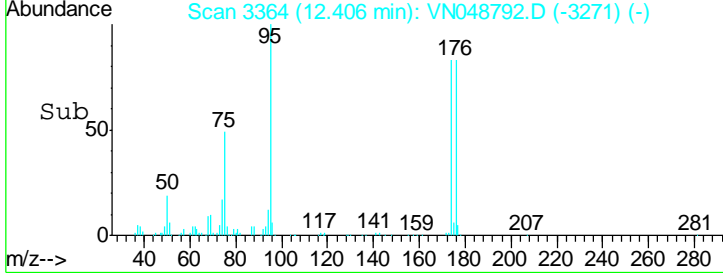
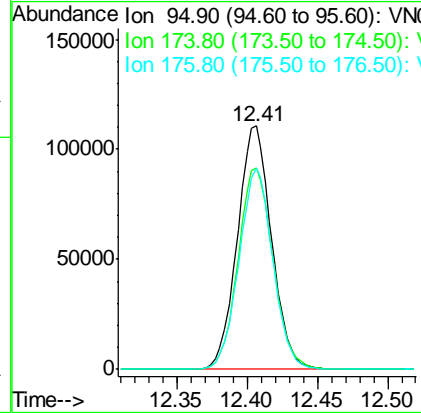
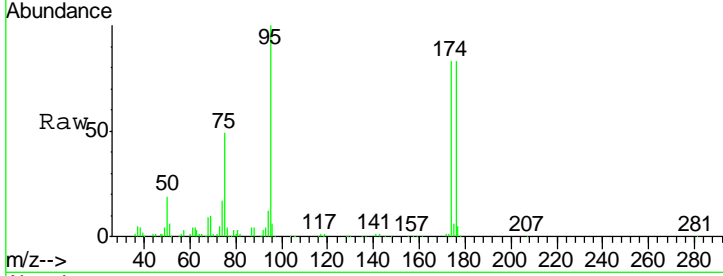




#62
 4-Bromofluorobenzene
 Concen: 39.64 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN048792.D
 Acq: 31 May 2018 15:28

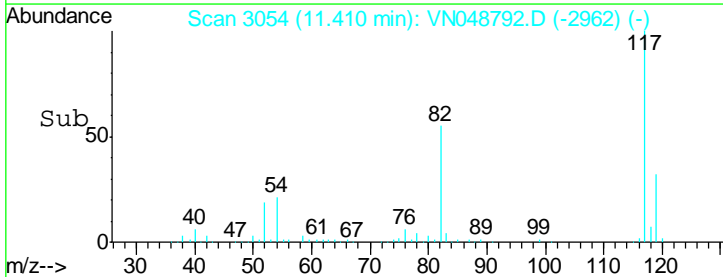
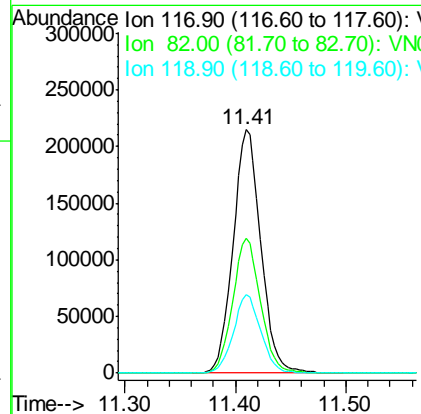
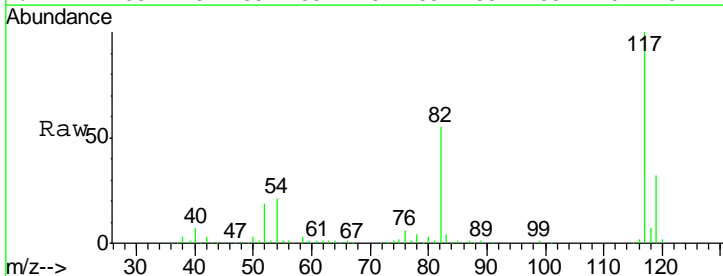
Instrument : MSVOA_N
 ClientSampled : 935-MW-17(17)DL

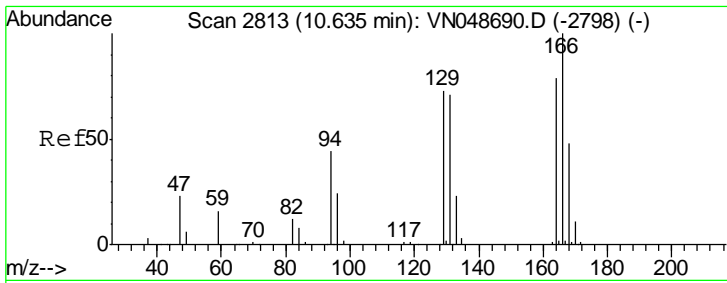
Tgt Ion	Resp	Lower	Upper
95	187773		
174	84.6	0.0	173.8
176	81.8	0.0	170.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048792.D
 Acq: 31 May 2018 15:28

Tgt Ion	Resp	Lower	Upper
117	374458		
82	55.4	42.8	64.2
119	32.2	26.0	39.0

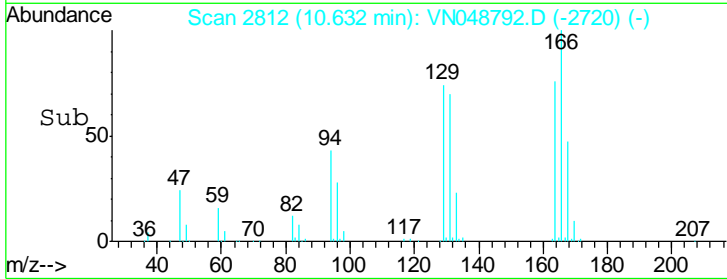
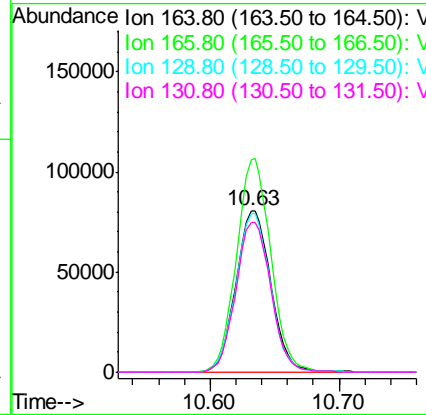
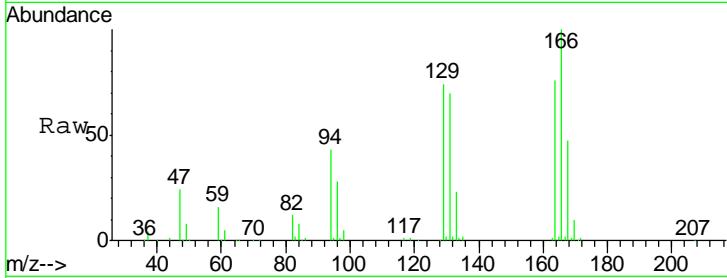




#64
 Tetrachloroethene
 Concen: 40.11 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN048792.D
 Acq: 31 May 2018 15:28

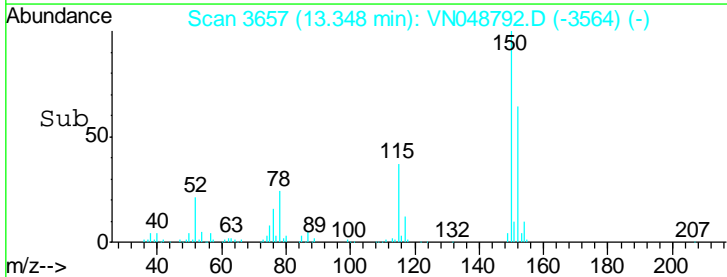
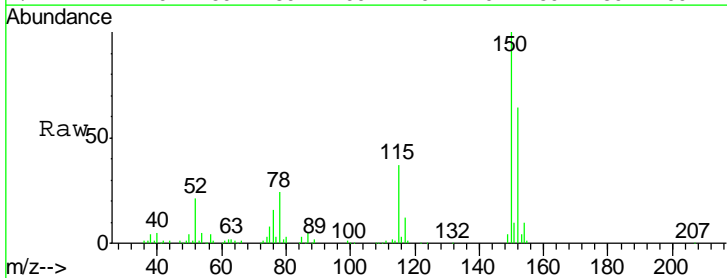
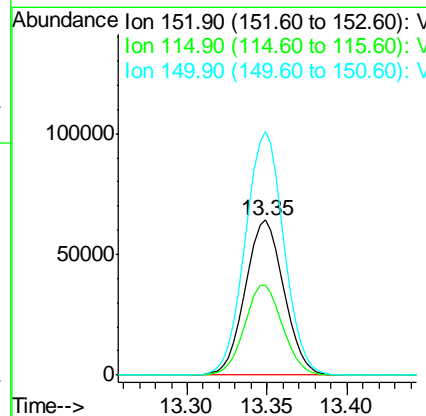
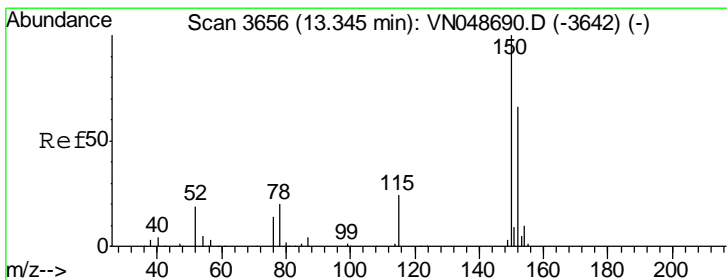
Instrument : MSVOA_N
 ClientSampleId : 935-MW-17(17)DL

Tgt Ion	Resp	Lower	Upper
164	100		
166	131.7	102.7	154.1
129	98.0	74.3	111.5
131	92.6	71.4	107.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048792.D
 Acq: 31 May 2018 15:28

Tgt Ion	Resp	Lower	Upper
152	100		
115	57.2	28.1	84.4
150	157.0	0.0	353.0





284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	936-MW-17(20.5)	SDG No.:	J3131
Lab Sample ID:	J3131-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048754.D	1		05/30/18 21:01	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.33	J	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	7.5		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1.4		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	32.9		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	46.2		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	936-MW-17(20.5)	SDG No.:	J3131
Lab Sample ID:	J3131-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048754.D	1		05/30/18 21:01	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	4400	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41		61 - 141		82%	SPK: 50
1868-53-7	Dibromofluoromethane	41.9		69 - 133		84%	SPK: 50
2037-26-5	Toluene-d8	42		65 - 126		84%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.8		58 - 135		70%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	344669	7.67				
540-36-3	1,4-Difluorobenzene	528388	8.59				
3114-55-4	Chlorobenzene-d5	455384	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	163275	13.35				

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	936-MW-17(20.5)	SDG No.:	J3131
Lab Sample ID:	J3131-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048754.D	1		05/30/18 21:01	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048754.D
 Acq On : 30 May 2018 21:01
 Operator : MD\SY
 Sample : J3131-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 936-MW-17(20.5)

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:05 PM

Quant Time: May 31 08:05:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	344669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	528388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	455384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	163275	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	205408	41.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.02%	
35) Dibromofluoromethane	7.59	113	187461	41.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.78%	
50) Toluene-d8	10.09	98	695408	42.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.08%	
62) 4-Bromofluorobenzene	12.40	95	198502	34.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.54%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.18	62	1786	0.33	ug/l	# 76
16) Acetone	3.83	43	19484	7.48	ug/l	92
20) Methylene Chloride	4.55	84	7662	1.42	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	178023	32.89	ug/l	91
44) Trichloroethene	8.84	130	253206	46.18	ug/l	97
64) Tetrachloroethene	10.63	164	20183796m	4377.93	ug/l	

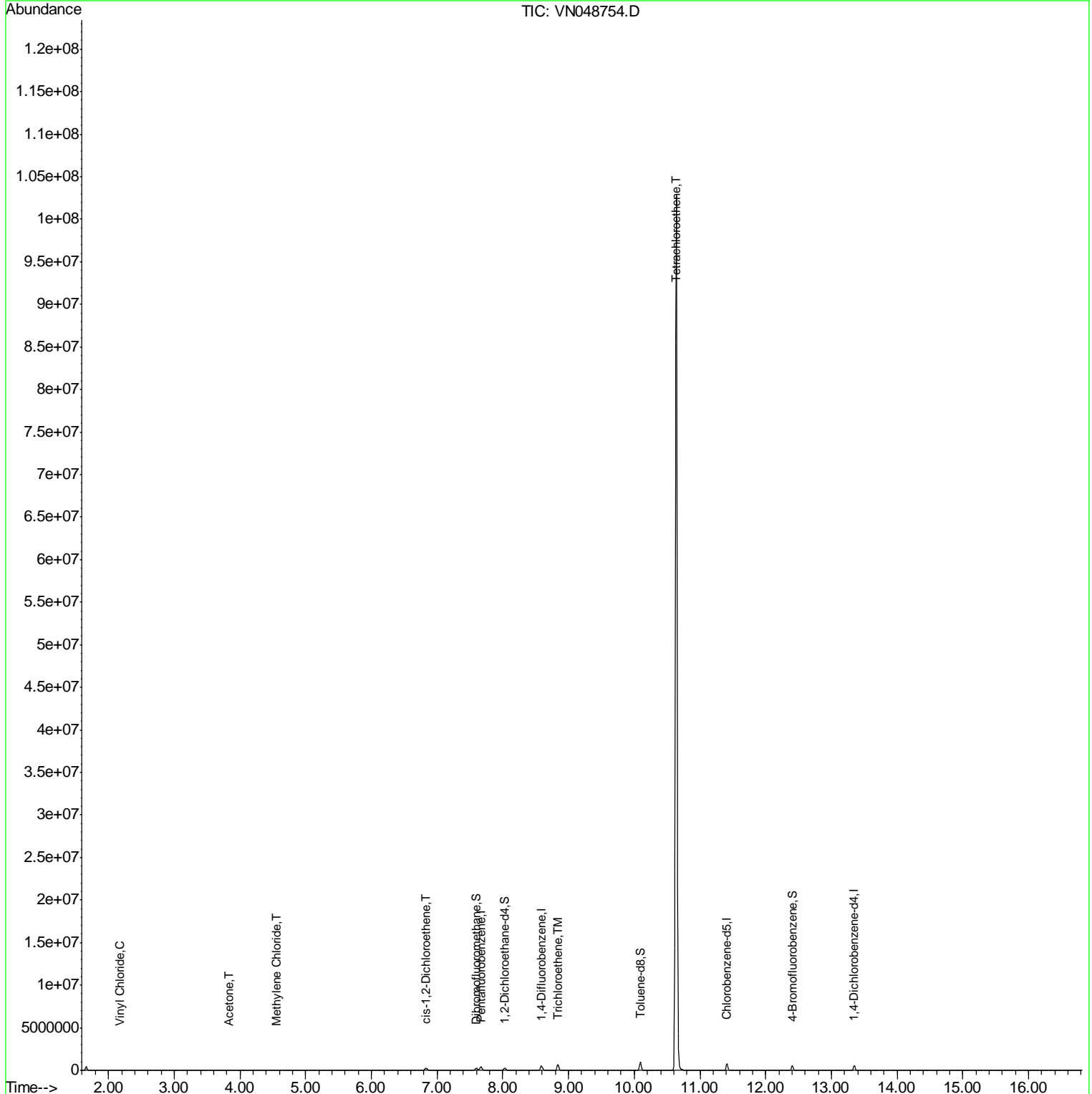
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048754.D
 Acq On : 30 May 2018 21:01
 Operator : MD\SY
 Sample : J3131-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

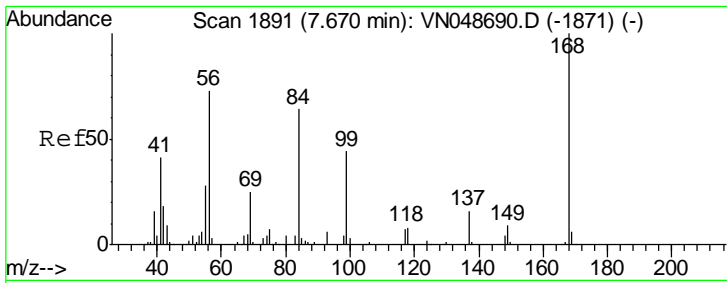
Instrument :
 MSVOA_N
 Client Sampled :
 936-MW-17(20.5)

Manual Integrations
 APPROVED
 MMDadoda
 5/31/2018 3:07:05 PM

Quant Time: May 31 08:05:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

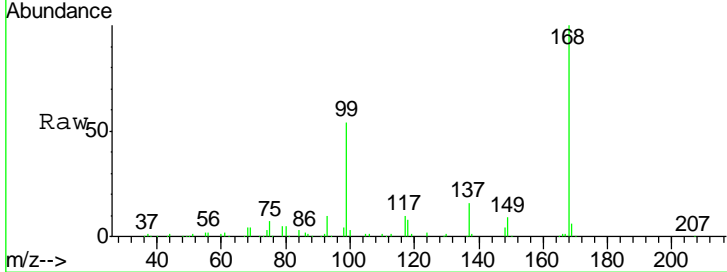


- 1
- 2
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- 11
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- 14
- 15
- 16



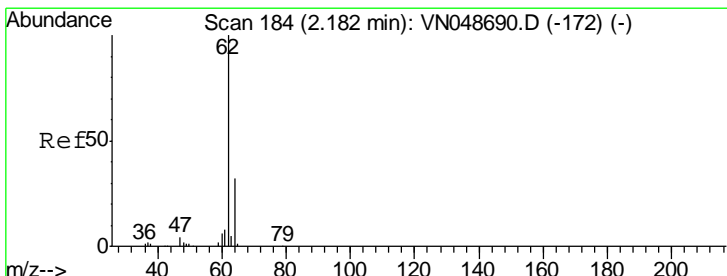
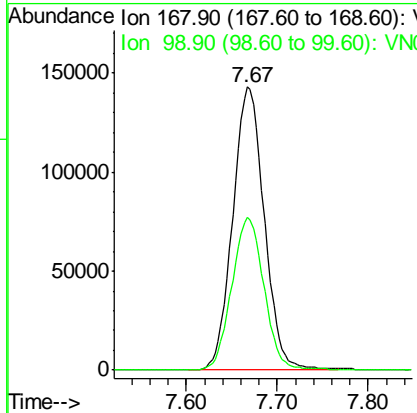
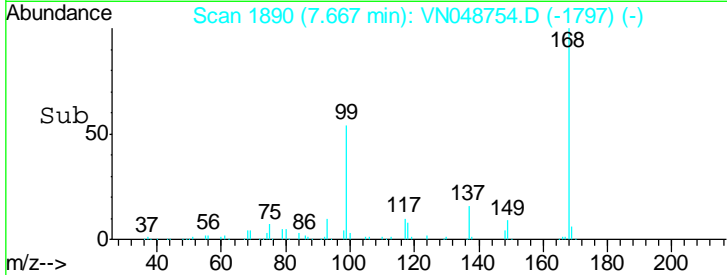
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01

Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)

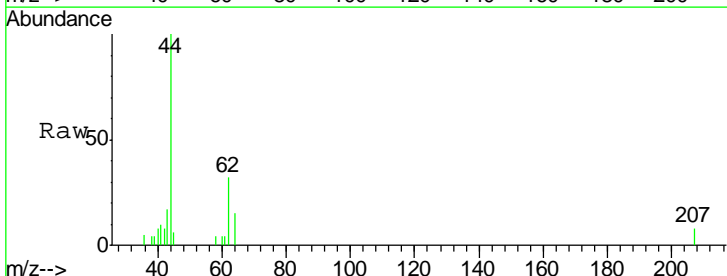


Tgt Ion: 168 Resp: 344669
 Ion Ratio Lower Upper
 168 100
 99 54.1 40.8 61.2

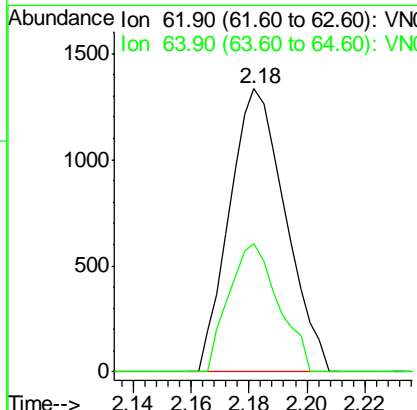
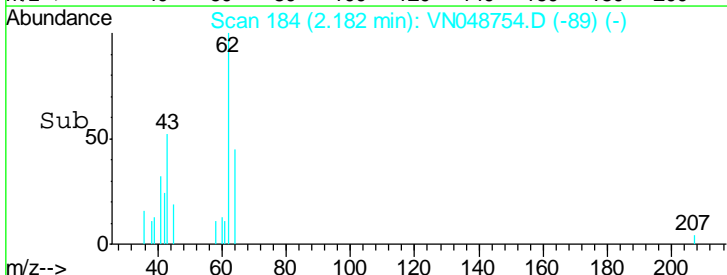
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:07:05 PM

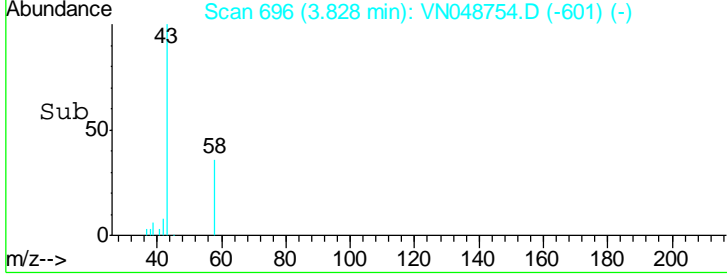
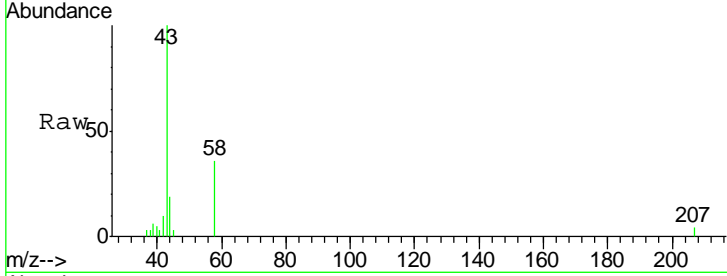
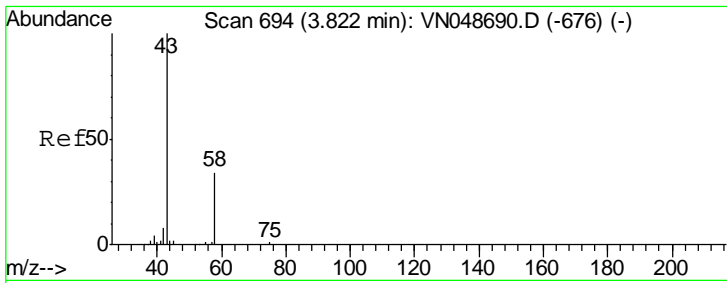


#4
 Vinyl Chloride
 Concen: 0.33 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01



Tgt Ion: 62 Resp: 1786
 Ion Ratio Lower Upper
 62 100
 64 45.3 25.6 38.4#





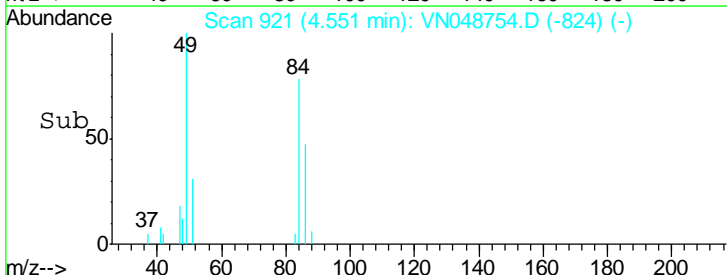
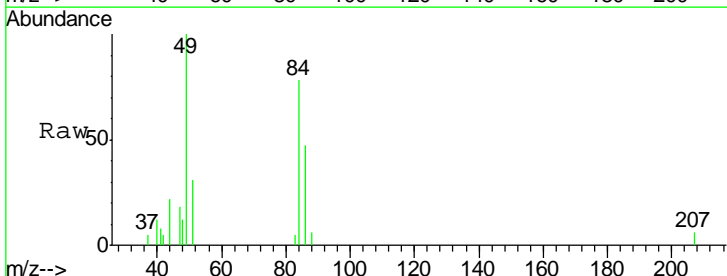
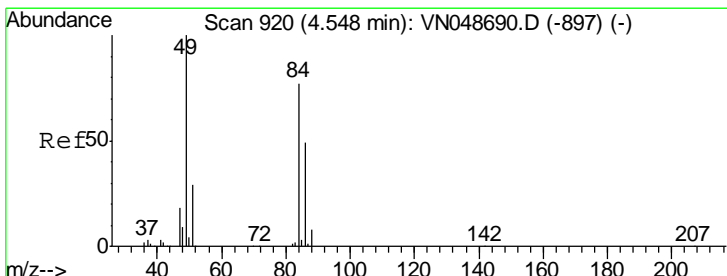
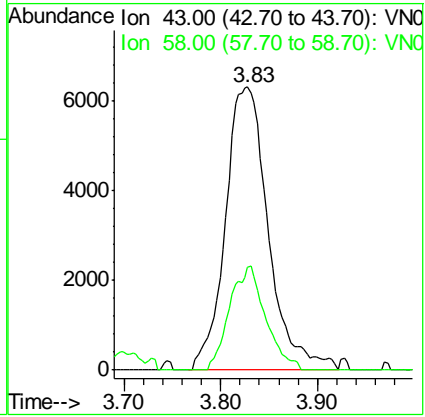
#16
 Acetone
 Concen: 7.48 ug/l
 RT: 3.83 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01

Tgt Ion: 43 Resp: 19484

Ion	Ratio	Lower	Upper
43	100		
58	36.4	25.4	38.0

Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)

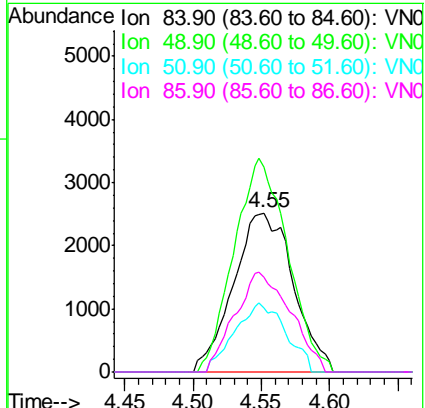
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:07:05 PM

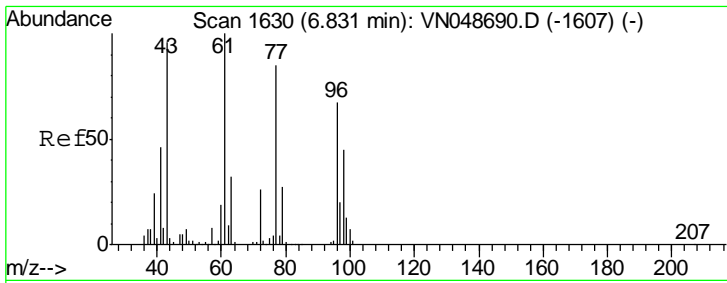


#20
 Methylene Chloride
 Concen: 1.42 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01

Tgt Ion: 84 Resp: 7662

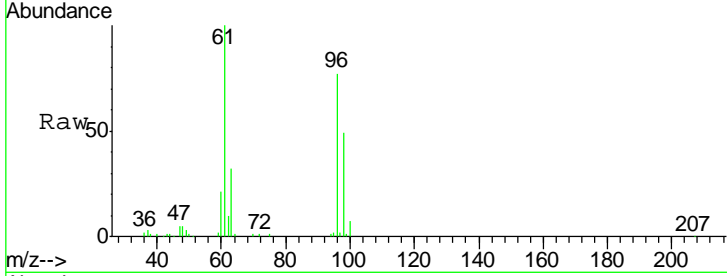
Ion	Ratio	Lower	Upper
84	100		
49	128.5	97.7	146.5
51	40.1	30.4	45.6
86	59.9	51.8	77.8





#27
 cis-1,2-Dichloroethene
 Concen: 32.89 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01

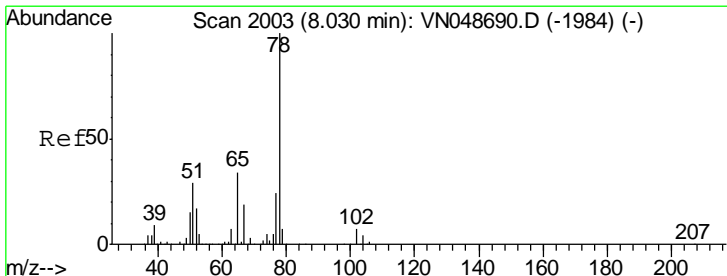
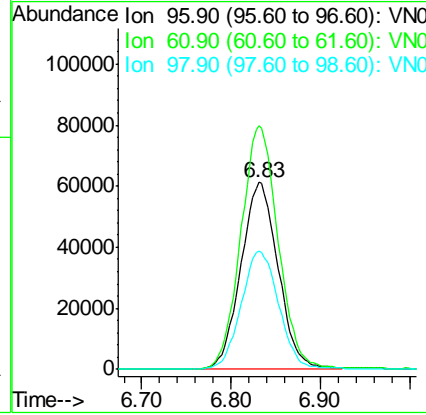
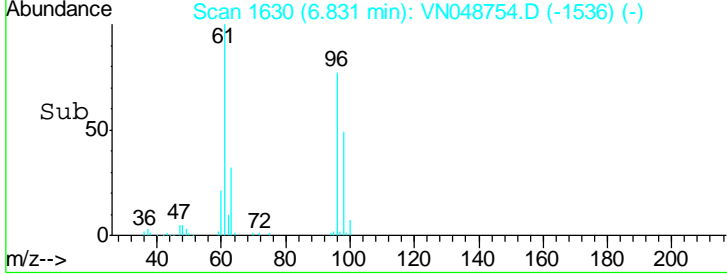
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)



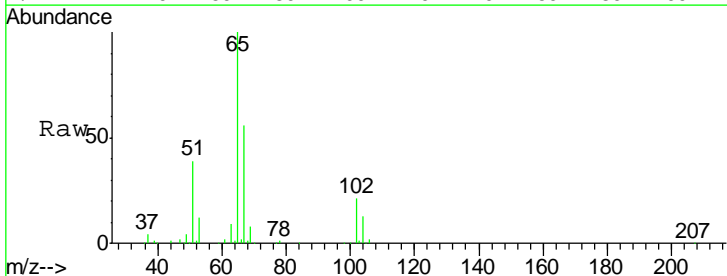
Tgt Ion: 96 Resp: 178023

Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	292.6
98	64.2	0.0	128.2

Manual Integrations
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 5/31/2018 3:07:05 PM

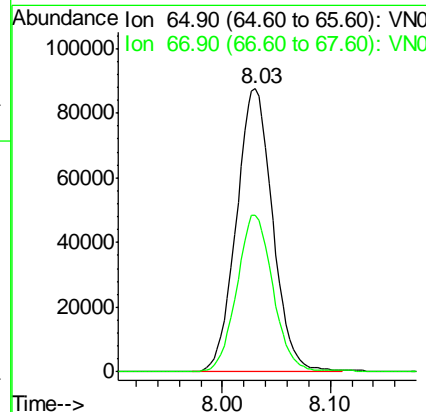
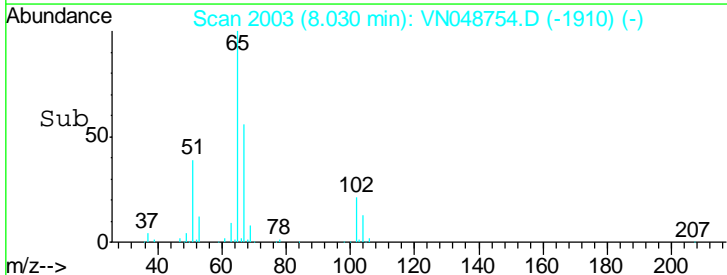


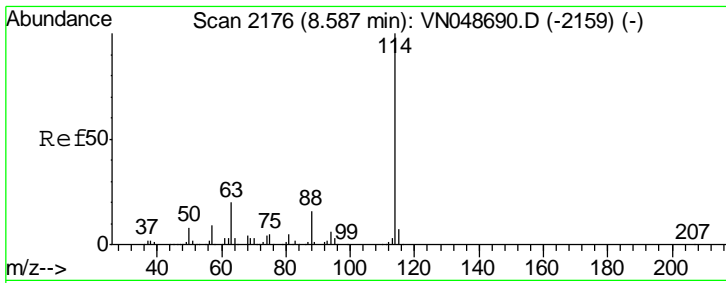
#33
 1,2-Dichloroethane-d4
 Concen: 41.01 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01



Tgt Ion: 65 Resp: 205408

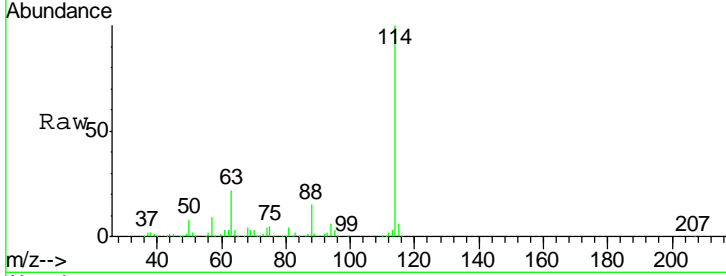
Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	108.4





#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01

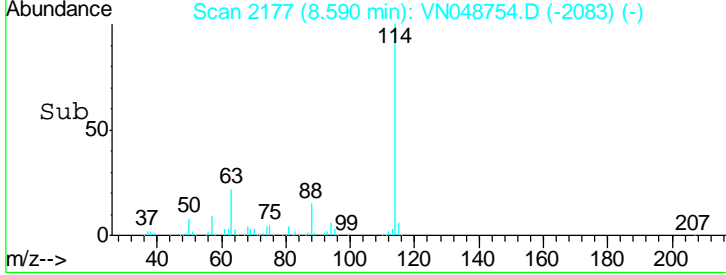
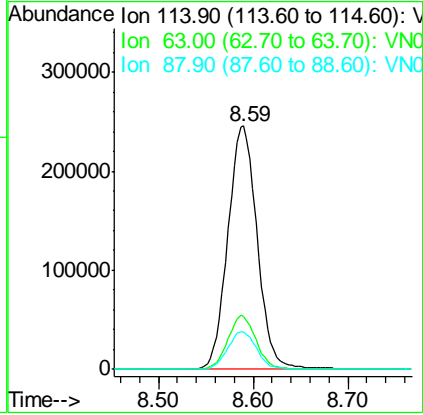
Instrument :
 MSVOA_N
 Client Sampled :
 936-MW-17(20.5)



Tgt Ion: 114 Resp: 528388

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	40.0
88	15.3	0.0	31.0

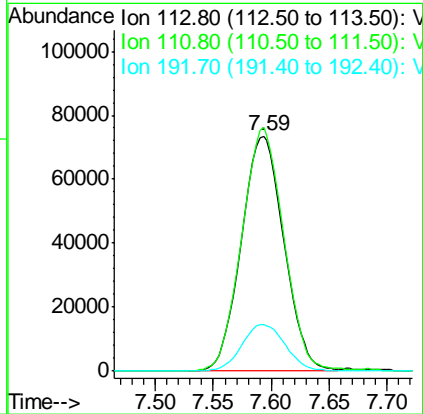
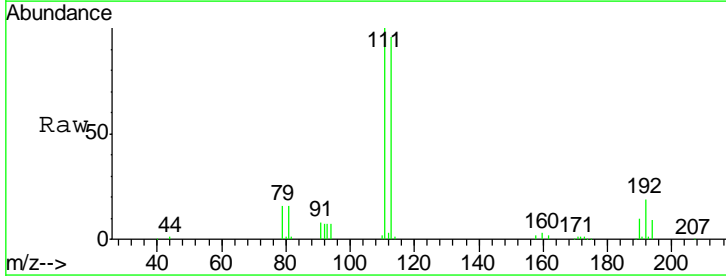
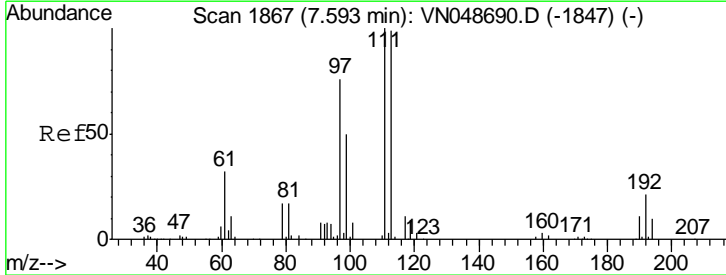
Manual Integrations
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 MMDadoda
 5/31/2018 3:07:05 PM

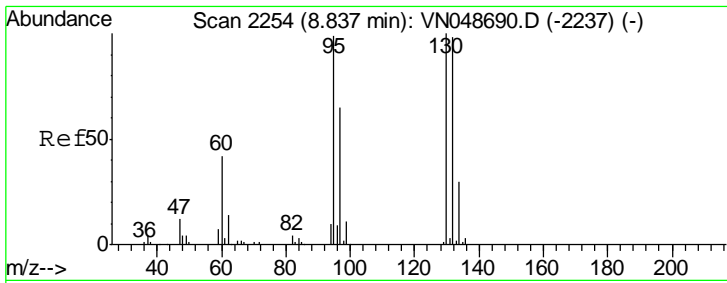


#35
 Dibromofluoromethane
 Concen: 41.89 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01

Tgt Ion: 113 Resp: 187461

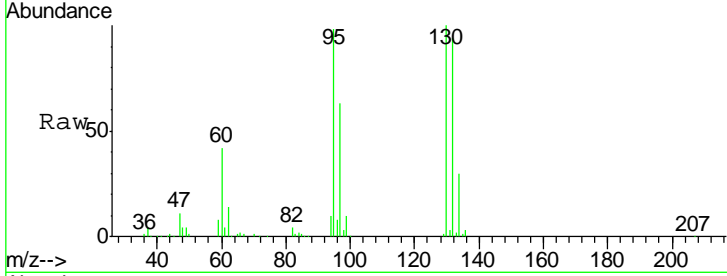
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	20.3	17.6	26.4





#44
 Trichloroethene
 Concen: 46.18 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01

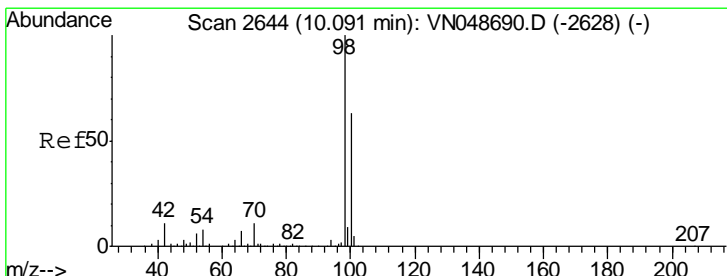
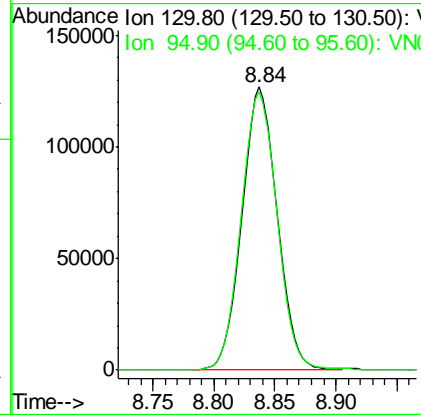
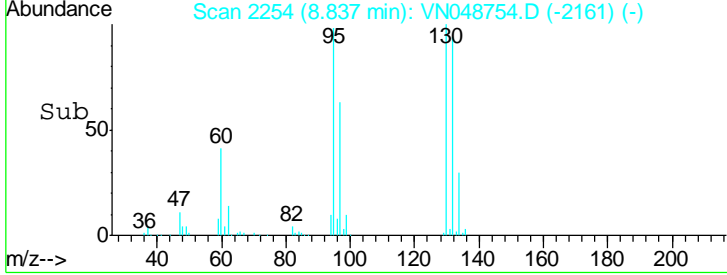
Instrument :
 MSVOA_N
 Client Sampled :
 936-MW-17(20.5)



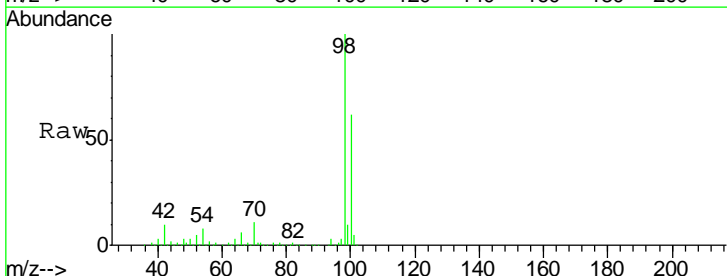
Tgt Ion: 130 Resp: 253206

Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	191.6

Manual Integrations
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 5/31/2018 3:07:05 PM

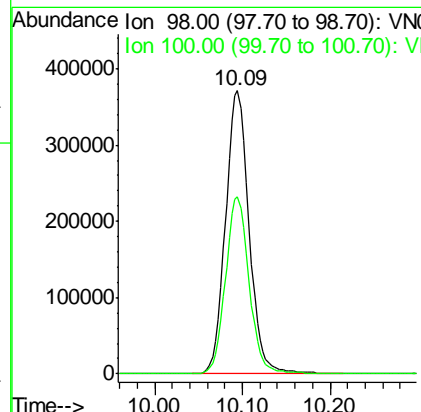
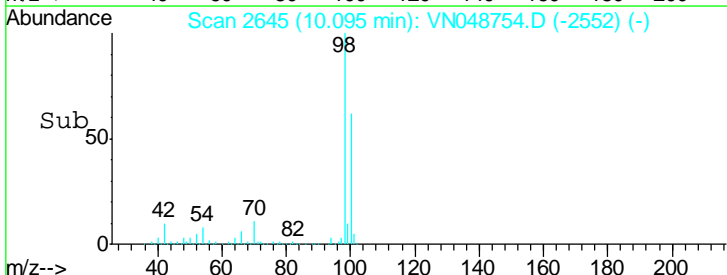


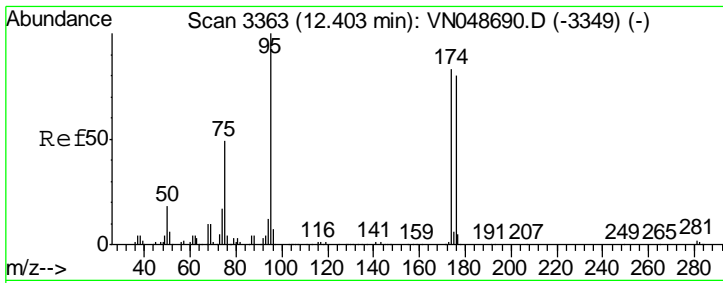
#50
 Toluene-d8
 Concen: 42.04 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01



Tgt Ion: 98 Resp: 695408

Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.2	76.8



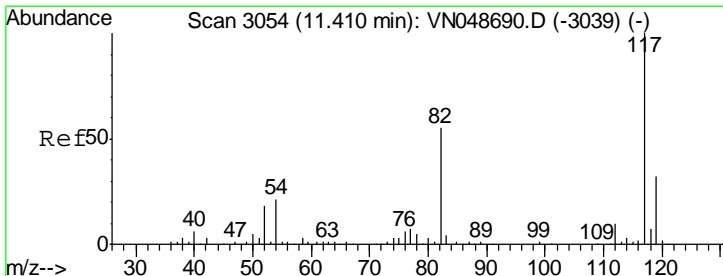
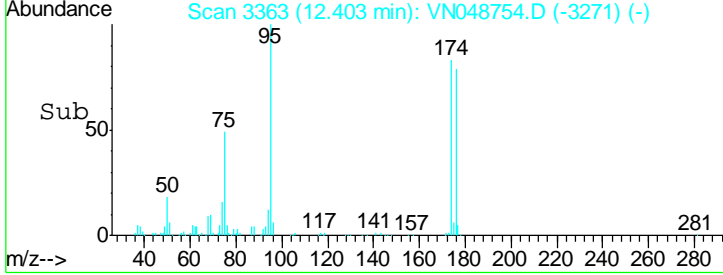
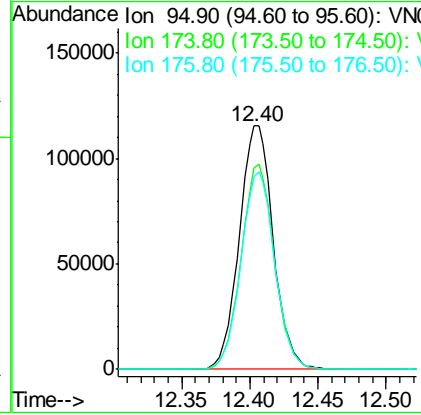
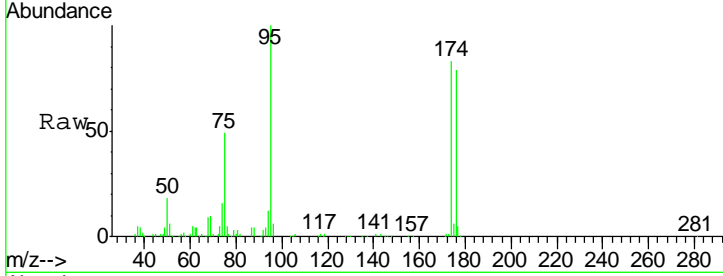


#62
 4-Bromofluorobenzene
 Concen: 34.77 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)

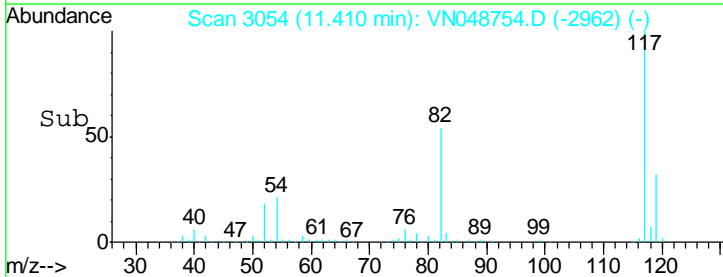
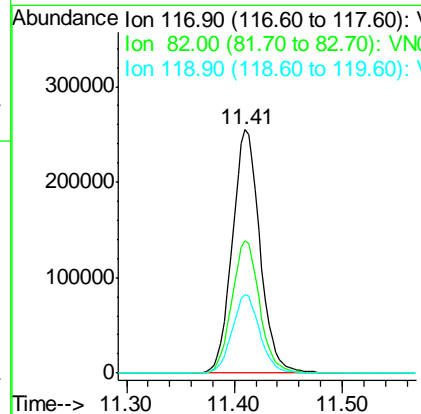
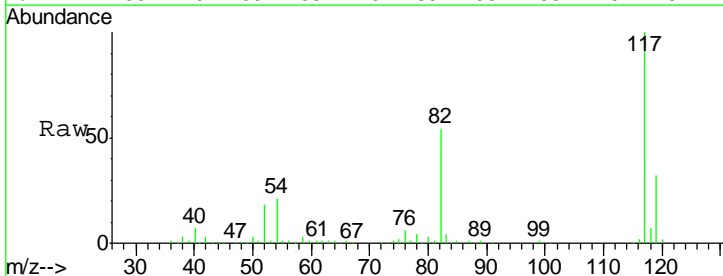
Tgt Ion	Resp	Lower	Upper
95	198502		
95	100		
174	82.7	0.0	173.8
176	80.6	0.0	170.0

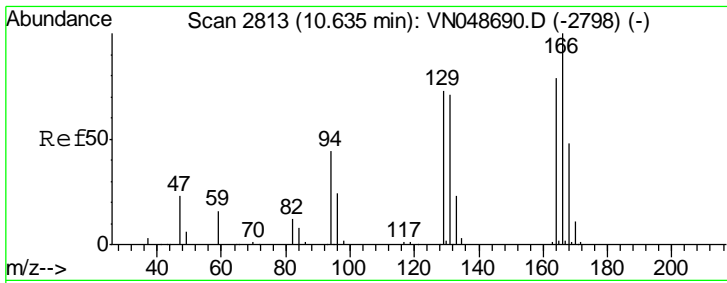
Manual Integrations
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 5/31/2018 3:07:05 PM



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01

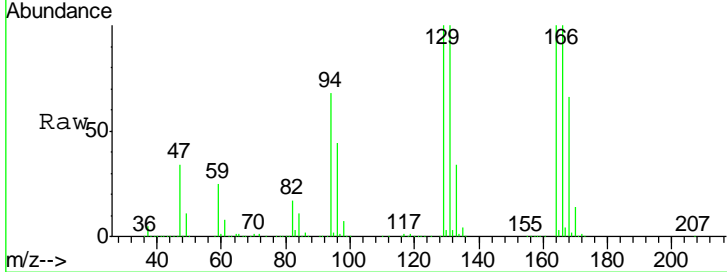
Tgt Ion	Resp	Lower	Upper
117	455384		
117	100		
82	54.5	42.8	64.2
119	32.5	26.0	39.0





#64
 Tetrachloroethene
 Concen: 4377.93 ug/l m
 RT: 10.63 min Scan# 2811
 Delta R.T. -0.01 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01

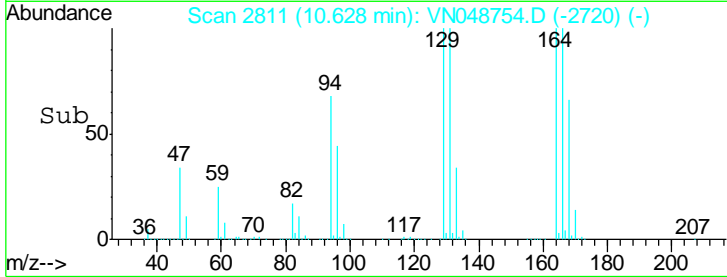
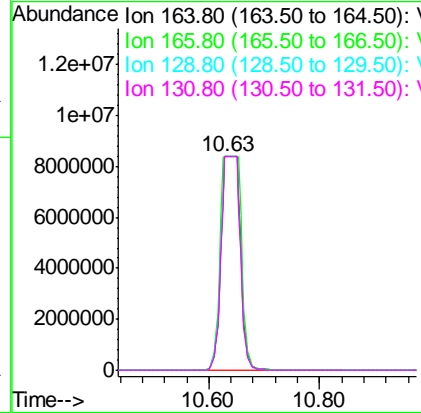
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)



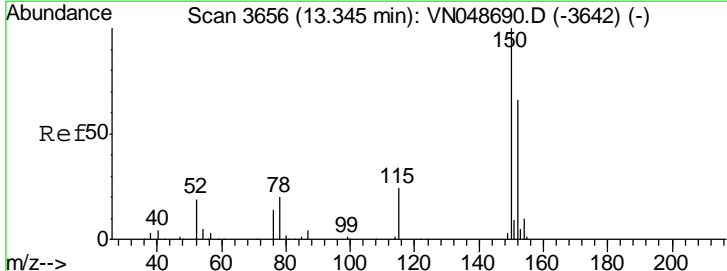
Tgt Ion: 164 Resp: 20183796

Ion	Ratio	Lower	Upper
164	100		
166	100.0	102.7	154.1#
129	100.0	74.3	111.5
131	100.0	71.4	107.0

Manual Integrations APPROVED
 MMDadoda
 5/31/2018 3:07:05 PM

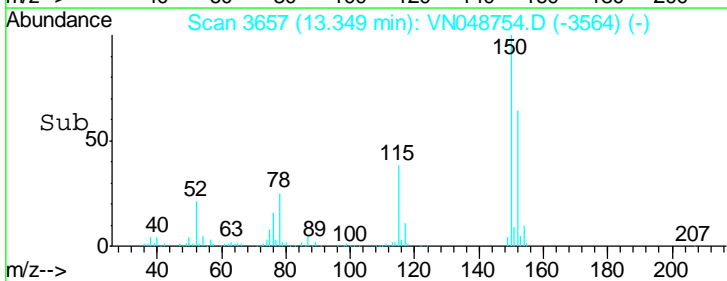
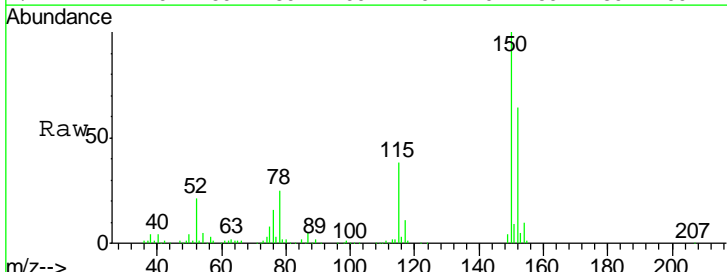
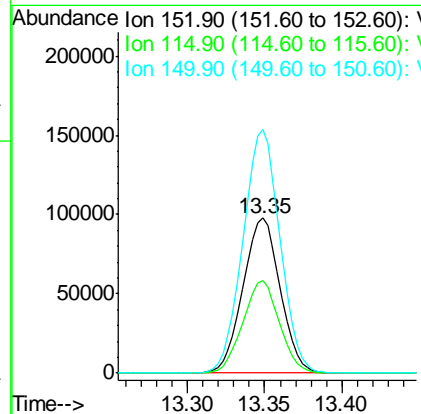


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048754.D
 Acq: 30 May 2018 21:01



Tgt Ion: 152 Resp: 163275

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.1	84.4
150	156.7	0.0	353.0



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048754.D
 Acq On : 30 May 2018 21:01
 Operator : MD\SY
 Sample : J3131-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 936-MW-17(20.5)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	10.638	2795	2814	2859	rBV2	102846683	190636003	100.00%	100.000%

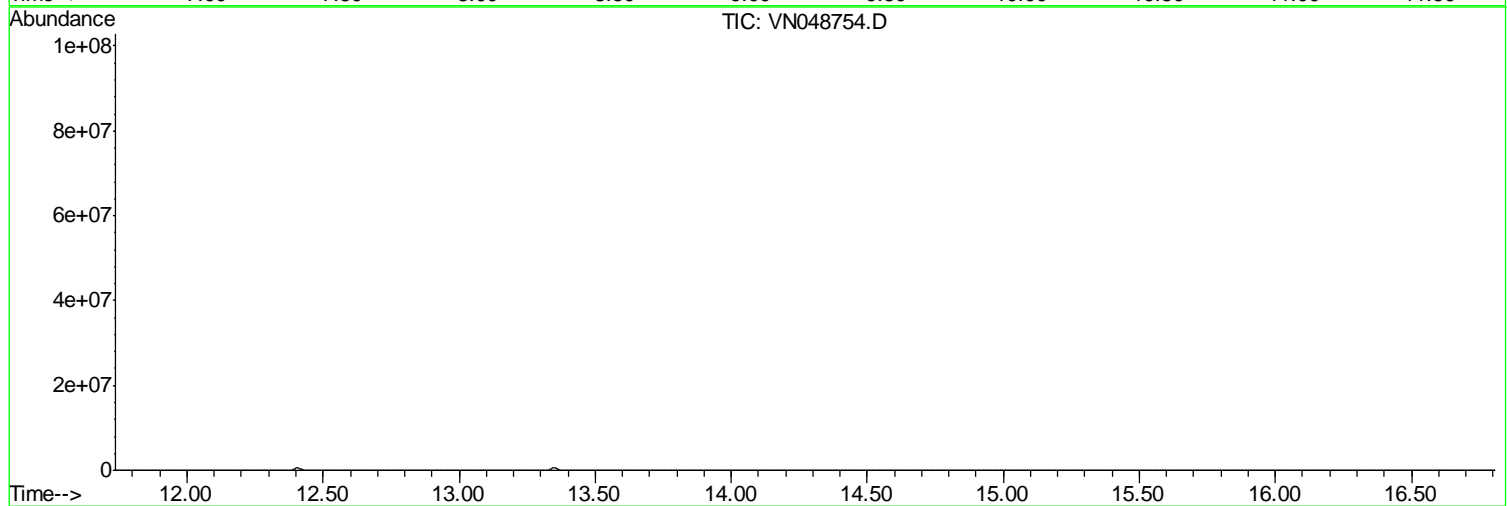
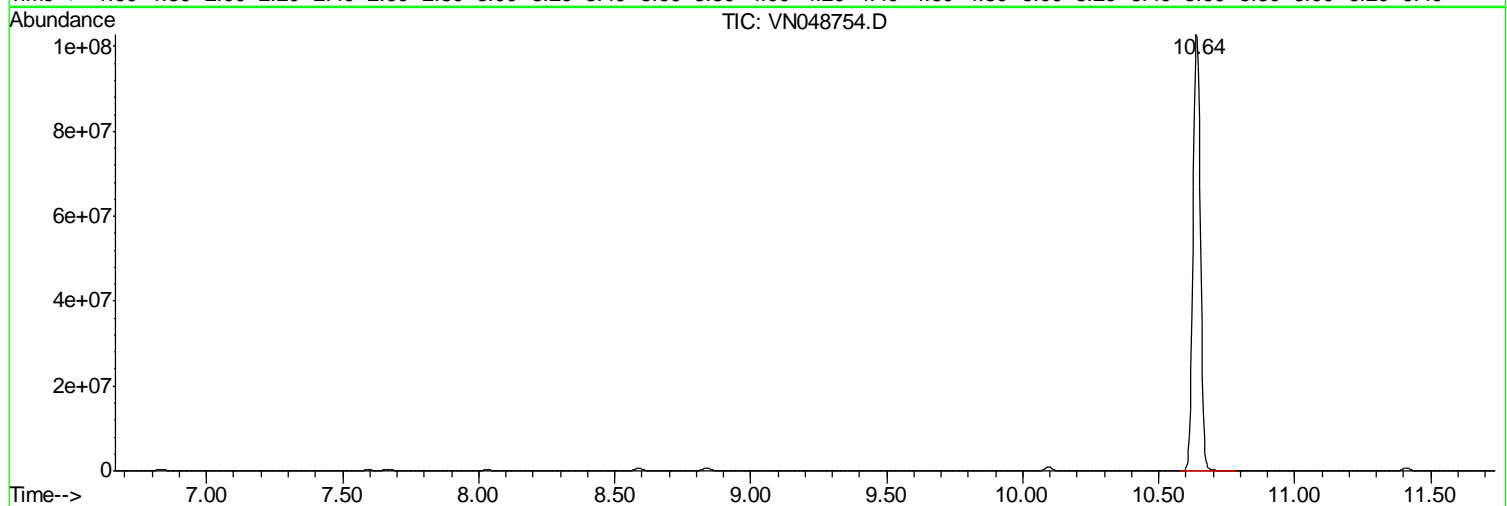
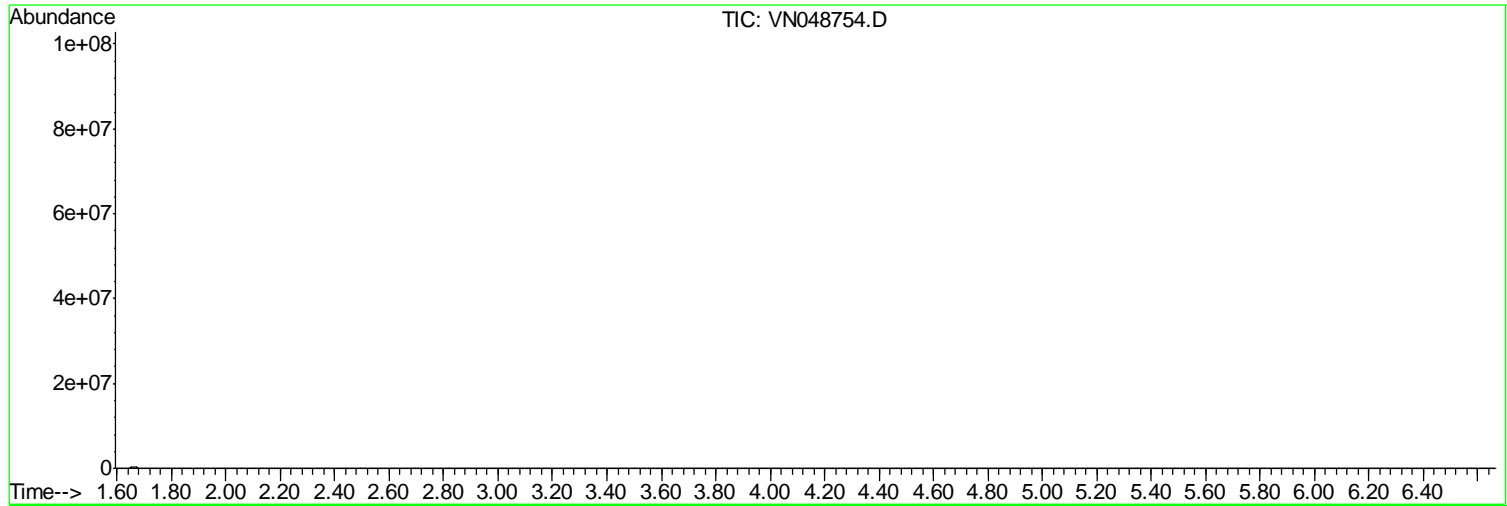
Sum of corrected areas: 190636003

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
Data File : VN048754.D
Acq On : 30 May 2018 21:01
Operator : MD\SY
Sample : J3131-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
936-MW-17(20.5)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
Data File : VN048754.D
Acq On : 30 May 2018 21:01
Operator : MD\SY
Sample : J3131-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
936-MW-17(20.5)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
 Data File : VN048754.D
 Acq On : 30 May 2018 21:01
 Operator : MD\SY
 Sample : J3131-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 936-MW-17(20.5)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	936-MW-17(20.5)DL	SDG No.:	J3131
Lab Sample ID:	J3131-08DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048794.D	100		05/31/18 16:20	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	100	UD	20	20	100	ug/L
74-87-3	Chloromethane	100	UD	20	20	100	ug/L
75-01-4	Vinyl Chloride	100	UD	20	20	100	ug/L
74-83-9	Bromomethane	100	UD	20	20	100	ug/L
75-00-3	Chloroethane	100	UD	20	50	100	ug/L
75-69-4	Trichlorofluoromethane	100	UD	20	20	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	100	UD	20	20	100	ug/L
75-35-4	1,1-Dichloroethene	100	UD	20	20	100	ug/L
67-64-1	Acetone	500	UD	50	100	500	ug/L
75-15-0	Carbon Disulfide	100	UD	20	20	100	ug/L
1634-04-4	Methyl tert-butyl Ether	100	UD	35	50	100	ug/L
79-20-9	Methyl Acetate	100	UD	20	50	100	ug/L
75-09-2	Methylene Chloride	100	UD	20	20	100	ug/L
156-60-5	trans-1,2-Dichloroethene	100	UD	20	20	100	ug/L
75-34-3	1,1-Dichloroethane	100	UD	20	20	100	ug/L
110-82-7	Cyclohexane	100	UD	20	20	100	ug/L
78-93-3	2-Butanone	500	UD	130	250	500	ug/L
56-23-5	Carbon Tetrachloride	100	UD	20	20	100	ug/L
156-59-2	cis-1,2-Dichloroethene	100	UD	20	20	100	ug/L
74-97-5	Bromochloromethane	100	UD	20	50	100	ug/L
67-66-3	Chloroform	100	UD	20	20	100	ug/L
71-55-6	1,1,1-Trichloroethane	100	UD	20	20	100	ug/L
108-87-2	Methylcyclohexane	100	UD	20	20	100	ug/L
71-43-2	Benzene	100	UD	20	20	100	ug/L
107-06-2	1,2-Dichloroethane	100	UD	20	20	100	ug/L
79-01-6	Trichloroethene	100	UD	20	20	100	ug/L
78-87-5	1,2-Dichloropropane	100	UD	20	20	100	ug/L
75-27-4	Bromodichloromethane	100	UD	20	20	100	ug/L
108-10-1	4-Methyl-2-Pentanone	500	UD	100	100	500	ug/L
108-88-3	Toluene	100	UD	20	20	100	ug/L
10061-02-6	t-1,3-Dichloropropene	100	UD	20	20	100	ug/L
10061-01-5	cis-1,3-Dichloropropene	100	UD	20	20	100	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	936-MW-17(20.5)DL	SDG No.:	J3131
Lab Sample ID:	J3131-08DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048794.D	100		05/31/18 16:20	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	100	UD	20	20	100	ug/L
591-78-6	2-Hexanone	500	UD	190	250	500	ug/L
124-48-1	Dibromochloromethane	100	UD	20	20	100	ug/L
106-93-4	1,2-Dibromoethane	100	UD	20	20	100	ug/L
127-18-4	Tetrachloroethene	4500	D	20	20	100	ug/L
108-90-7	Chlorobenzene	100	UD	20	20	100	ug/L
100-41-4	Ethyl Benzene	100	UD	20	20	100	ug/L
179601-23-1	m/p-Xylenes	200	UD	40	40	200	ug/L
95-47-6	o-Xylene	100	UD	20	20	100	ug/L
100-42-5	Styrene	100	UD	20	20	100	ug/L
75-25-2	Bromoform	100	UD	20	20	100	ug/L
98-82-8	Isopropylbenzene	100	UD	20	20	100	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	100	UD	20	20	100	ug/L
541-73-1	1,3-Dichlorobenzene	100	UD	20	20	100	ug/L
106-46-7	1,4-Dichlorobenzene	100	UD	20	20	100	ug/L
95-50-1	1,2-Dichlorobenzene	100	UD	20	20	100	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	100	UD	20	20	100	ug/L
120-82-1	1,2,4-Trichlorobenzene	100	UD	20	20	100	ug/L
87-61-6	1,2,3-Trichlorobenzene	100	UD	20	20	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.8		61 - 141		110%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		69 - 133		106%	SPK: 50
2037-26-5	Toluene-d8	51.8		65 - 126		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.3		58 - 135		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	279230	7.67				
540-36-3	1,4-Difluorobenzene	446088	8.59				
3114-55-4	Chlorobenzene-d5	374055	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	113789	13.35				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	936-MW-17(20.5)DL	SDG No.:	J3131
Lab Sample ID:	J3131-08DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048794.D	100		05/31/18 16:20	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048794.D
 Acq On : 31 May 2018 16:20
 Operator : MD\SY
 Sample : J3131-08DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 936-MW-17(20.5)DL

Quant Time: May 31 17:17:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

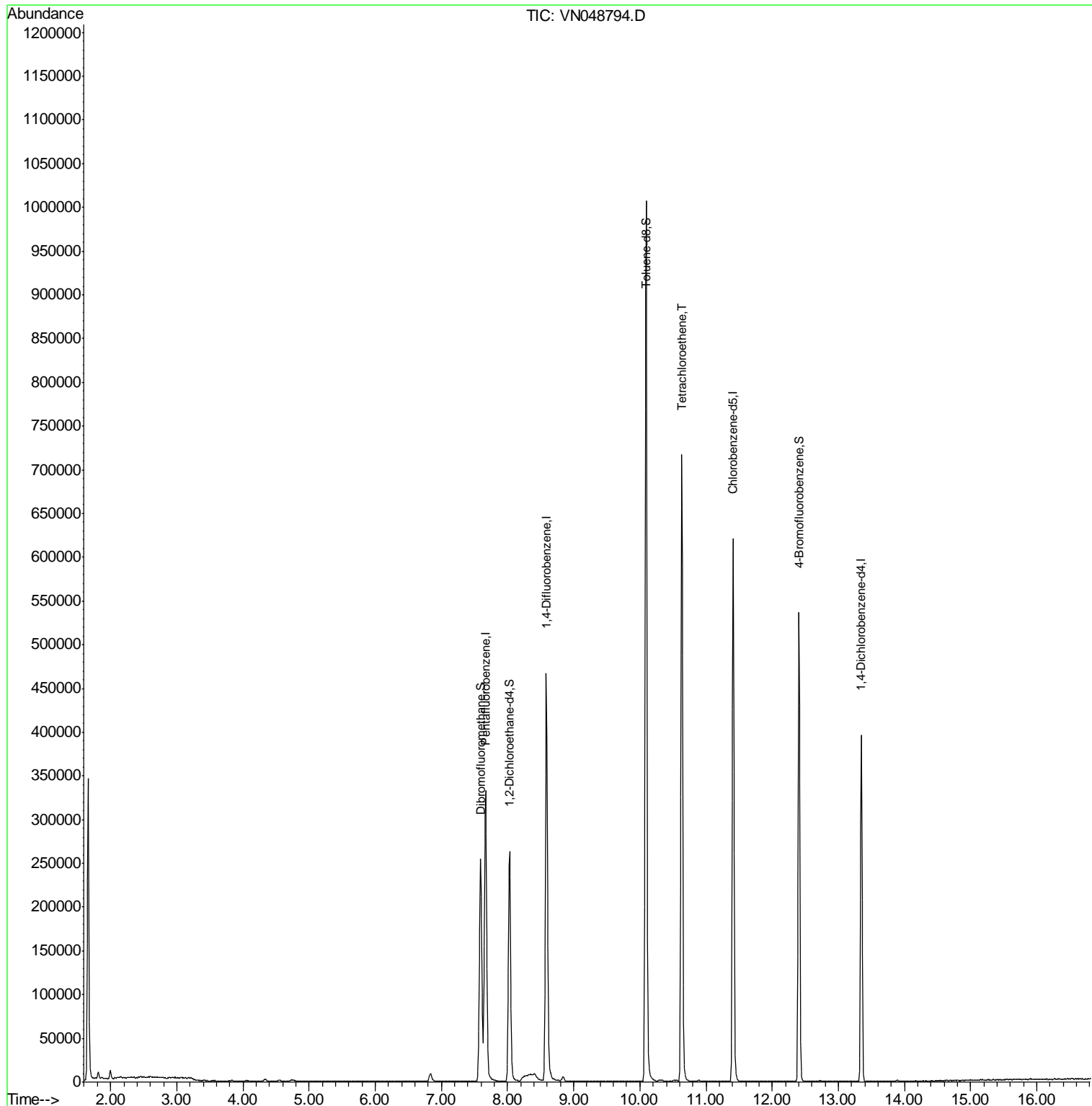
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	279230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	446088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	374055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	113789	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	222238	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	
35) Dibromofluoromethane	7.59	113	201096	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
50) Toluene-d8	10.09	98	723717	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.41	95	189181	39.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.50%	
Target Compounds						
64) Tetrachloroethene	10.63	164	171526	45.29	ug/l	Qvalue 96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

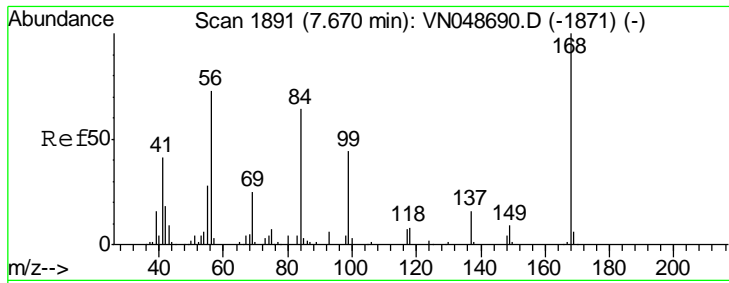
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048794.D
 Acq On : 31 May 2018 16:20
 Operator : MD\SY
 Sample : J3131-08DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 936-MW-17(20.5)DL

Quant Time: May 31 17:17:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



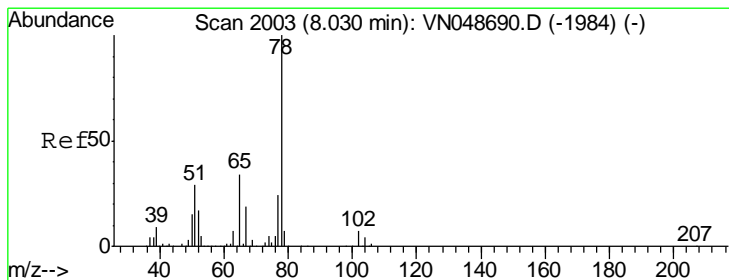
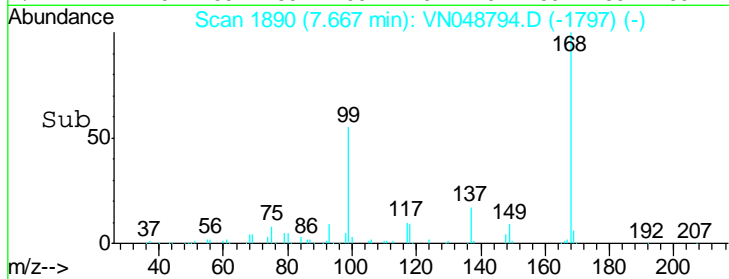
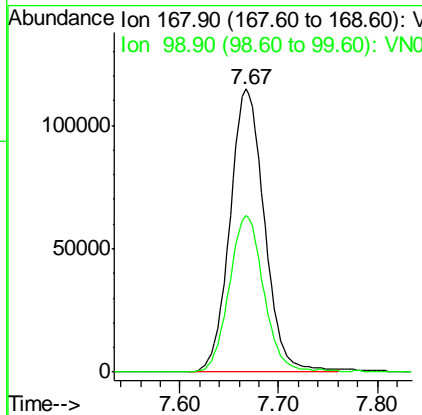
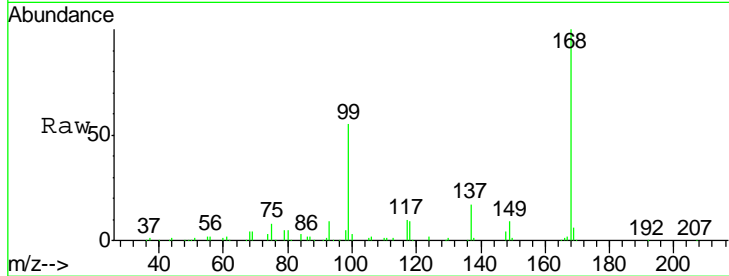
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN048794.D
 Acq: 31 May 2018 16:20

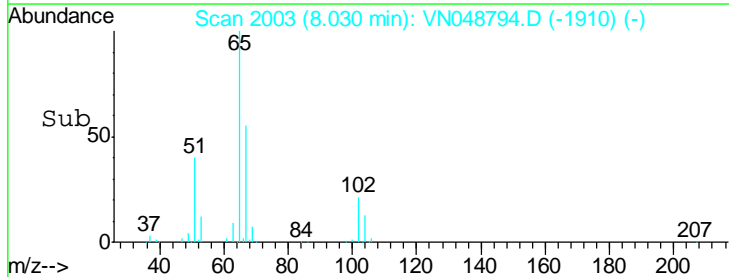
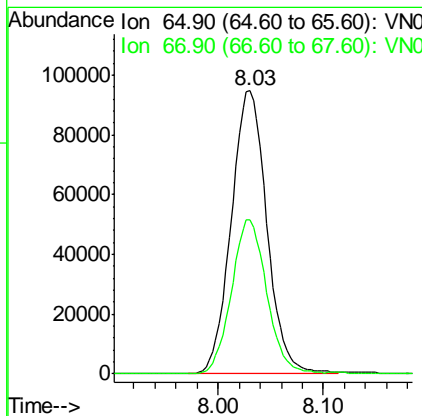
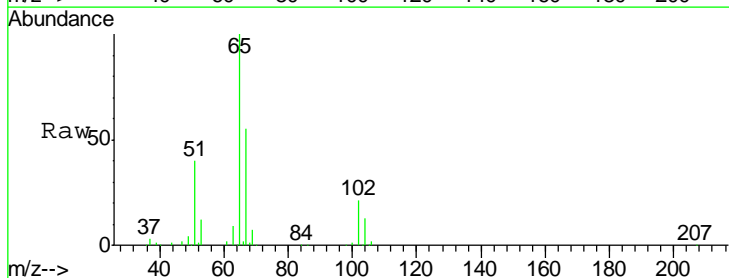
Instrument :
 MSVOA_N
 ClientSampleId :
 936-MW-17(20.5)DL

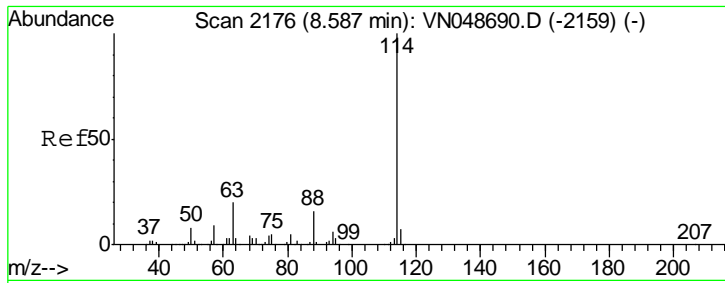
Tgt Ion	Resp	Lower	Upper
168	100		
99	55.1	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 54.77 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN048794.D
 Acq: 31 May 2018 16:20

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.8	0.0	108.4

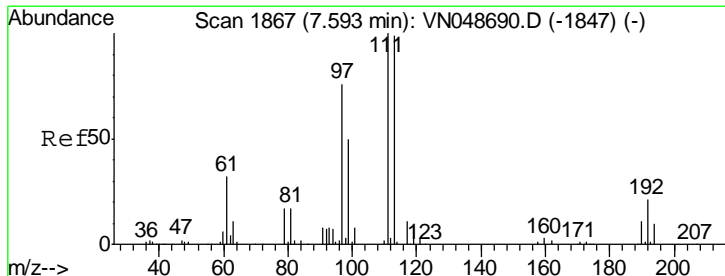
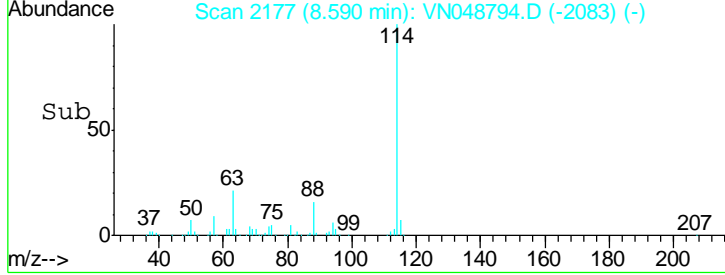
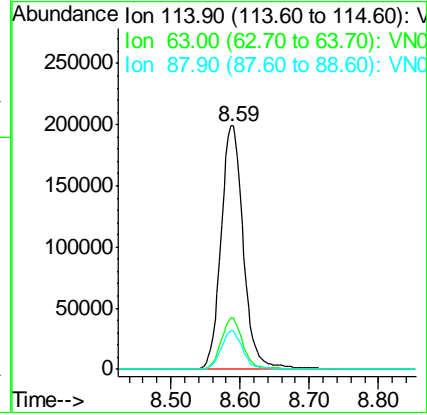
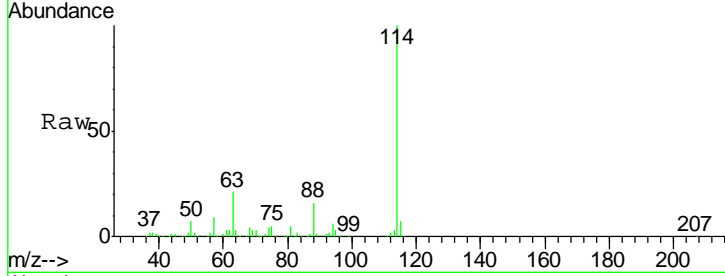




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048794.D
 Acq: 31 May 2018 16:20

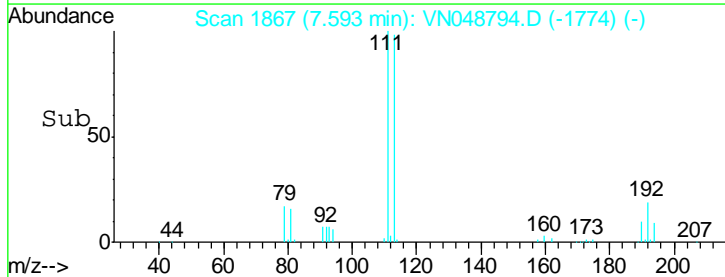
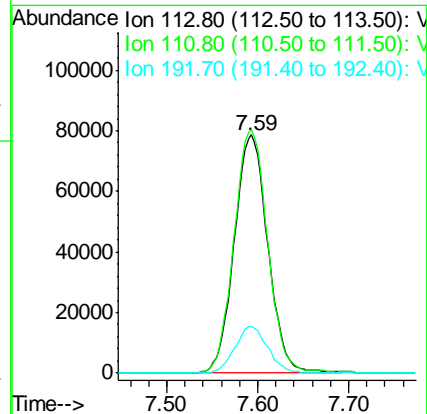
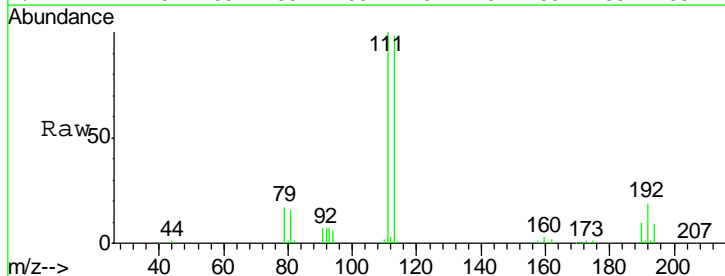
Instrument : MSVOA_N
 ClientSampleId : 936-MW-17(20.5)DL

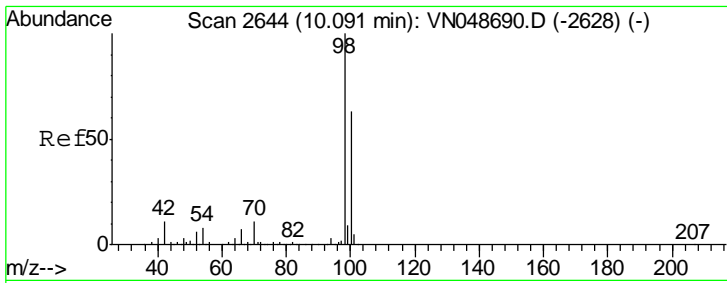
Tgt Ion	Resp	Lower	Upper
114	446088		
63	21.0	0.0	40.0
88	15.9	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 53.22 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN048794.D
 Acq: 31 May 2018 16:20

Tgt Ion	Resp	Lower	Upper
113	201096		
111	102.6	81.7	122.5
192	19.2	17.6	26.4

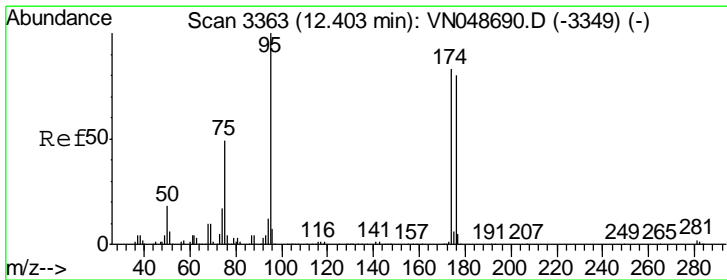
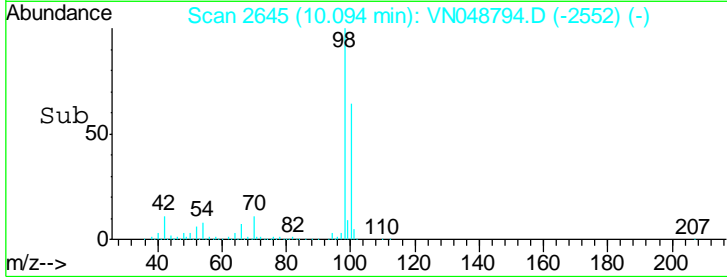
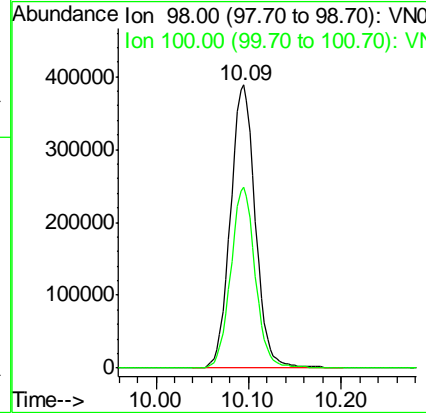
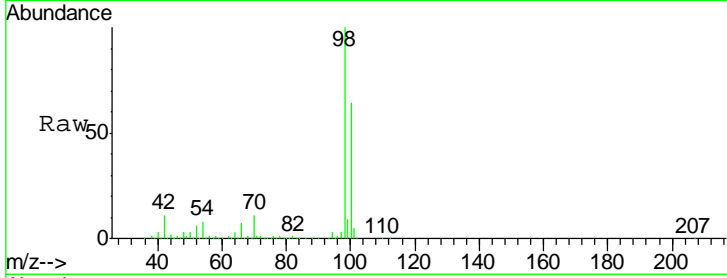




#50
 Toluene-d8
 Concen: 51.82 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VN048794.D
 Acq: 31 May 2018 16:20

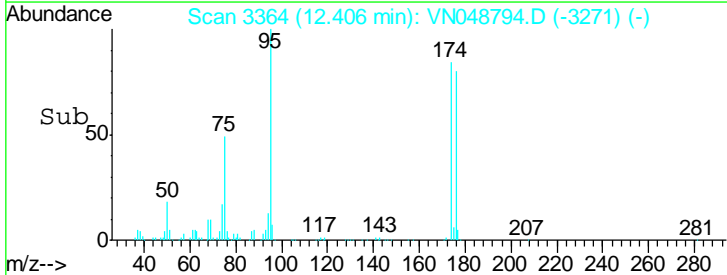
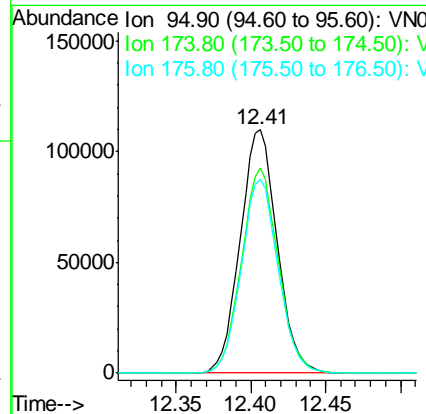
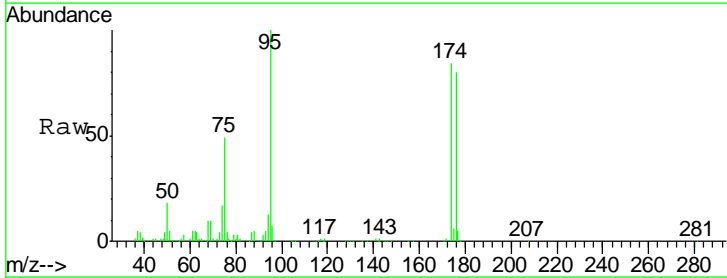
Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)DL

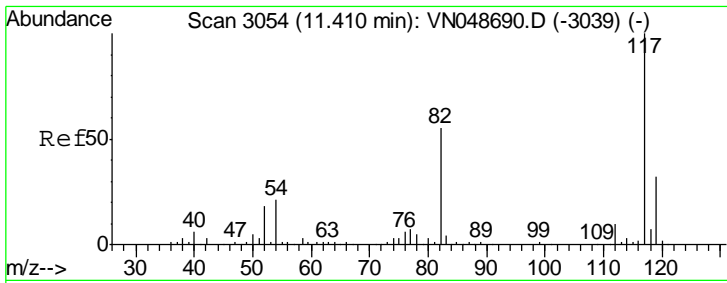
Tgt Ion	Resp	Lower	Upper
98	723717		
98	100		
100	62.9	51.2	76.8



#62
 4-Bromofluorobenzene
 Concen: 39.25 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. -0.00 min
 Lab File: VN048794.D
 Acq: 31 May 2018 16:20

Tgt Ion	Resp	Lower	Upper
95	189181		
95	100		
174	83.9	0.0	173.8
176	79.5	0.0	170.0

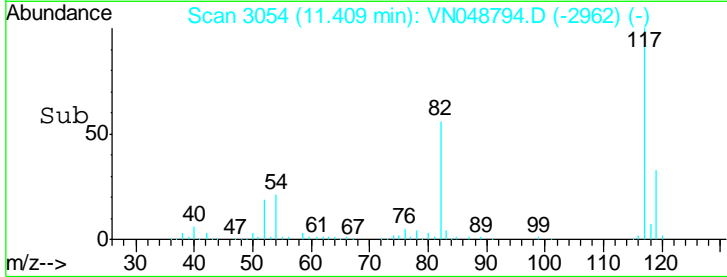
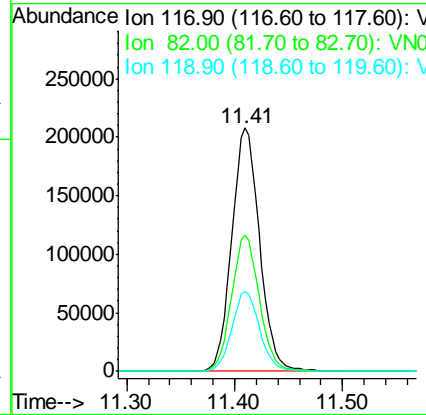
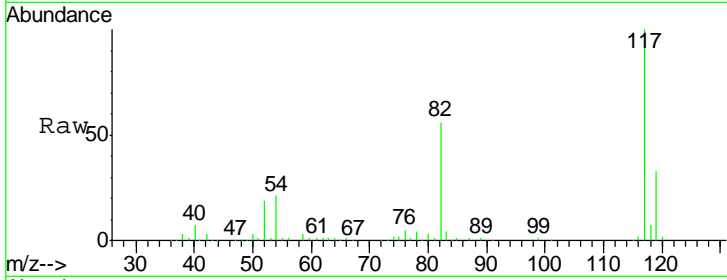




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048794.D
 Acq: 31 May 2018 16:20

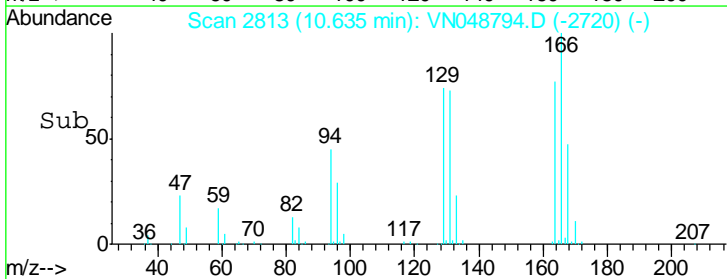
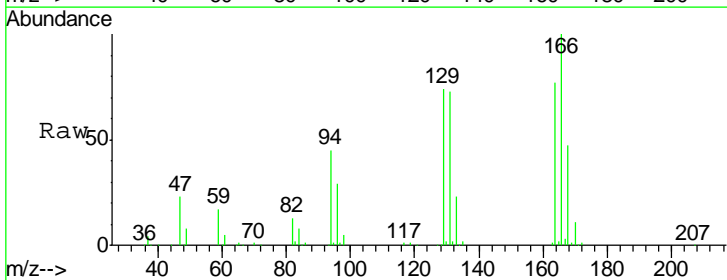
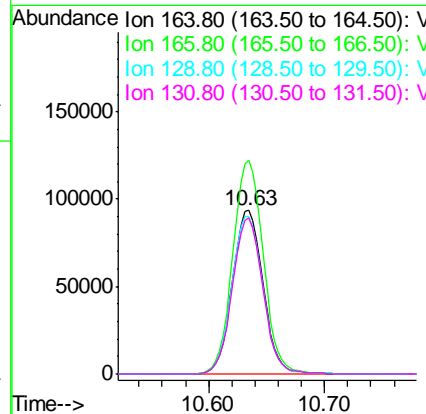
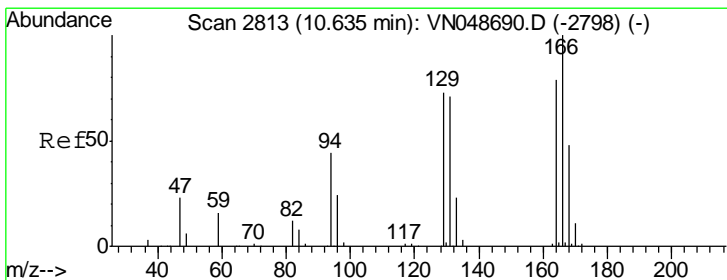
Instrument : MSVOA_N
 ClientSampleId : 936-MW-17(20.5)DL

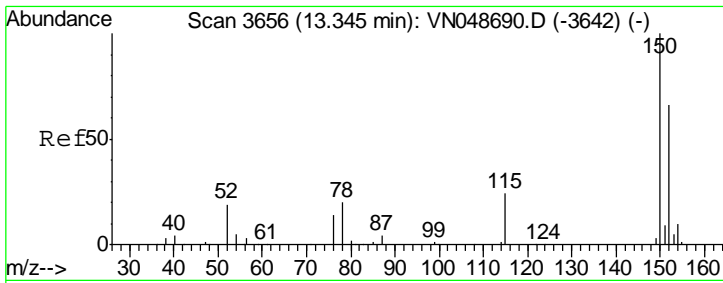
Tgt Ion	Resp	Lower	Upper
117	100		
82	55.9	42.8	64.2
119	33.0	26.0	39.0



#64
 Tetrachloroethene
 Concen: 45.29 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: VN048794.D
 Acq: 31 May 2018 16:20

Tgt Ion	Resp	Lower	Upper
164	100		
166	130.5	102.7	154.1
129	96.0	74.3	111.5
131	95.2	71.4	107.0

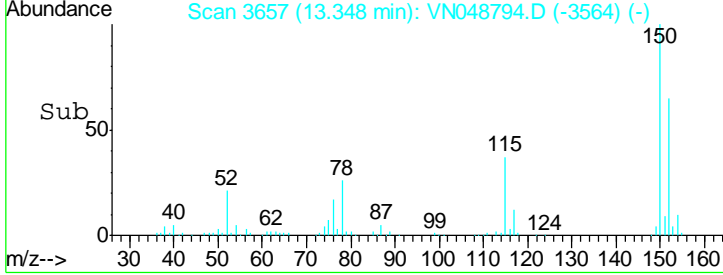
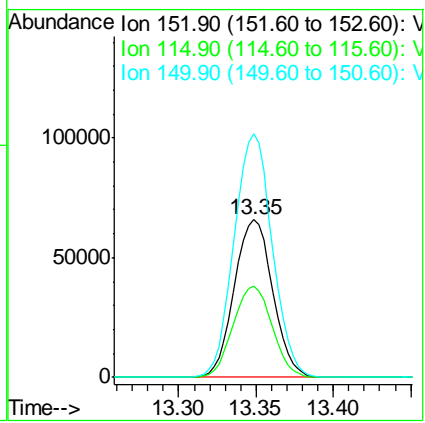
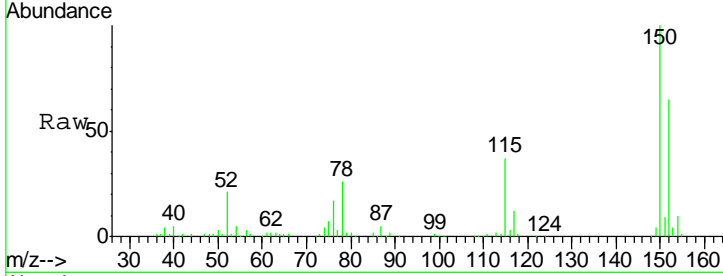




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. -0.00 min
 Lab File: VN048794.D
 Acq: 31 May 2018 16:20

Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)DL

Tot Ion	Resp	Lower	Upper
152	113789		
115	58.5	28.1	84.4
150	153.1	0.0	353.0



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	937-MW-17(24)	SDG No.:	J3131
Lab Sample ID:	J3131-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048743.D	10		05/30/18 16:17	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10	U	2	2	10	ug/L
74-87-3	Chloromethane	10	U	2	2	10	ug/L
75-01-4	Vinyl Chloride	10	U	2	2	10	ug/L
74-83-9	Bromomethane	10	U	2	2	10	ug/L
75-00-3	Chloroethane	10	U	2	5	10	ug/L
75-69-4	Trichlorofluoromethane	10	U	2	2	10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10	U	2	2	10	ug/L
75-35-4	1,1-Dichloroethene	10	U	2	2	10	ug/L
67-64-1	Acetone	50	U	5	10	50	ug/L
75-15-0	Carbon Disulfide	10	U	2	2	10	ug/L
1634-04-4	Methyl tert-butyl Ether	10	U	3.5	5	10	ug/L
79-20-9	Methyl Acetate	10	U	2	5	10	ug/L
75-09-2	Methylene Chloride	10	U	2	2	10	ug/L
156-60-5	trans-1,2-Dichloroethene	10	U	2	2	10	ug/L
75-34-3	1,1-Dichloroethane	10	U	2	2	10	ug/L
110-82-7	Cyclohexane	10	U	2	2	10	ug/L
78-93-3	2-Butanone	50	U	13.2	25	50	ug/L
56-23-5	Carbon Tetrachloride	10	U	2	2	10	ug/L
156-59-2	cis-1,2-Dichloroethene	36.1		2	2	10	ug/L
74-97-5	Bromochloromethane	10	U	2	5	10	ug/L
67-66-3	Chloroform	10	U	2	2	10	ug/L
71-55-6	1,1,1-Trichloroethane	10	U	2	2	10	ug/L
108-87-2	Methylcyclohexane	10	U	2	2	10	ug/L
71-43-2	Benzene	10	U	2	2	10	ug/L
107-06-2	1,2-Dichloroethane	10	U	2	2	10	ug/L
79-01-6	Trichloroethene	49.8		2	2	10	ug/L
78-87-5	1,2-Dichloropropane	10	U	2	2	10	ug/L
75-27-4	Bromodichloromethane	10	U	2	2	10	ug/L
108-10-1	4-Methyl-2-Pentanone	50	U	10	10	50	ug/L
108-88-3	Toluene	10	U	2	2	10	ug/L
10061-02-6	t-1,3-Dichloropropene	10	U	2	2	10	ug/L
10061-01-5	cis-1,3-Dichloropropene	10	U	2	2	10	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	937-MW-17(24)	SDG No.:	J3131
Lab Sample ID:	J3131-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048743.D	10		05/30/18 16:17	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10	U	2	2	10	ug/L
591-78-6	2-Hexanone	50	U	19.4	25	50	ug/L
124-48-1	Dibromochloromethane	10	U	2	2	10	ug/L
106-93-4	1,2-Dibromoethane	10	U	2	2	10	ug/L
127-18-4	Tetrachloroethene	4700	E	2	2	10	ug/L
108-90-7	Chlorobenzene	10	U	2	2	10	ug/L
100-41-4	Ethyl Benzene	10	U	2	2	10	ug/L
179601-23-1	m/p-Xylenes	20	U	4	4	20	ug/L
95-47-6	o-Xylene	10	U	2	2	10	ug/L
100-42-5	Styrene	10	U	2	2	10	ug/L
75-25-2	Bromoform	10	U	2	2	10	ug/L
98-82-8	Isopropylbenzene	10	U	2	2	10	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10	U	2	2	10	ug/L
541-73-1	1,3-Dichlorobenzene	10	U	2	2	10	ug/L
106-46-7	1,4-Dichlorobenzene	10	U	2	2	10	ug/L
95-50-1	1,2-Dichlorobenzene	10	U	2	2	10	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10	U	2	2	10	ug/L
120-82-1	1,2,4-Trichlorobenzene	10	U	2	2	10	ug/L
87-61-6	1,2,3-Trichlorobenzene	10	U	2	2	10	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	40		61 - 141		80%	SPK: 50
1868-53-7	Dibromofluoromethane	42.5		69 - 133		85%	SPK: 50
2037-26-5	Toluene-d8	42.5		65 - 126		85%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.4		58 - 135		69%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	411578	7.67				
540-36-3	1,4-Difluorobenzene	623455	8.59				
3114-55-4	Chlorobenzene-d5	530554	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	173990	13.35				

**Report of Analysis**

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	937-MW-17(24)	SDG No.:	J3131
Lab Sample ID:	J3131-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048743.D	10		05/30/18 16:17	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048743.D
 Acq On : 30 May 2018 16:17
 Operator : MD\SY
 Sample : J3131-11 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 937-MW-17(24)

Quant Time: May 31 08:41:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

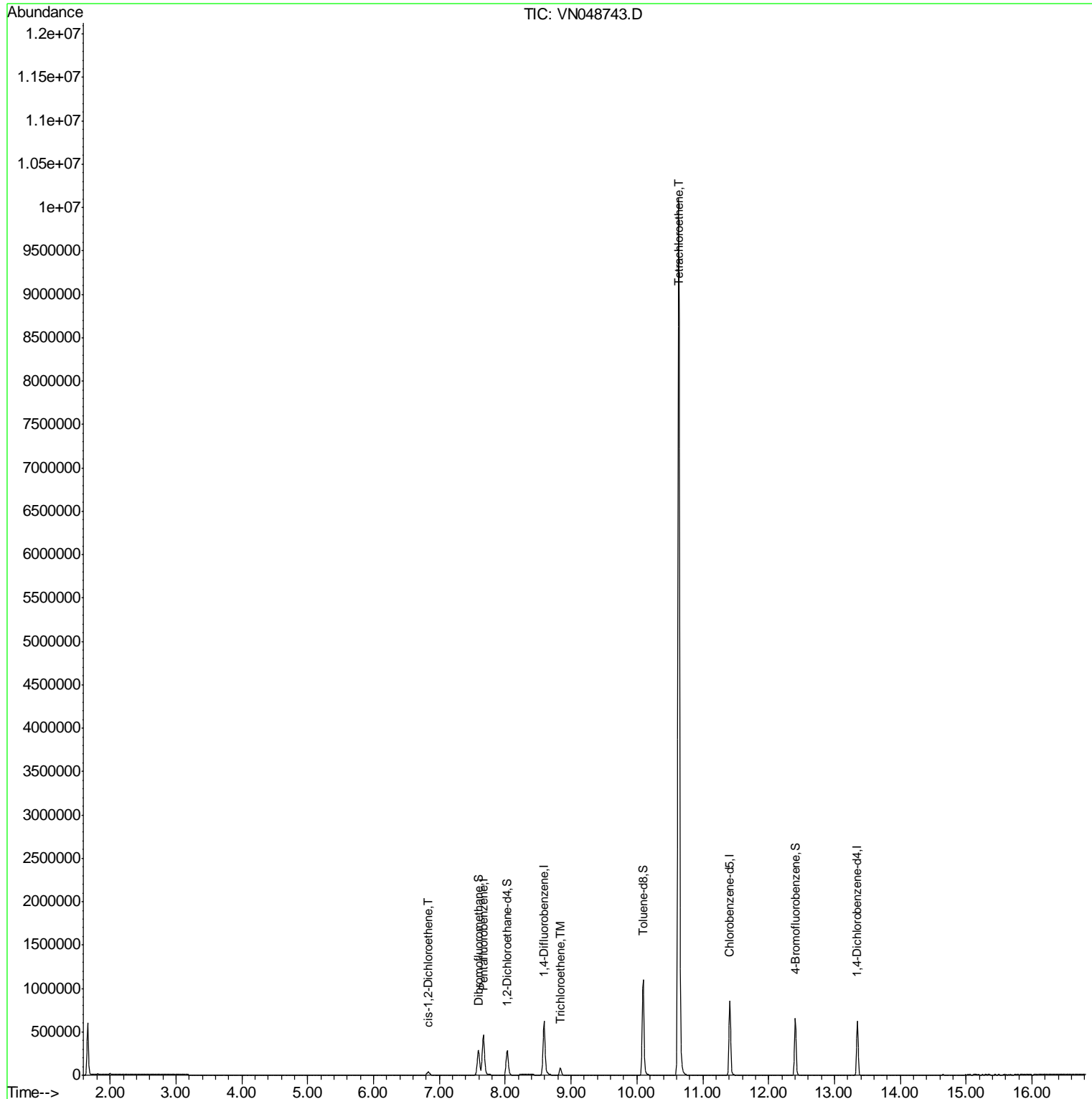
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	411578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	623455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	530554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	173990	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	239121	39.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.96%	
35) Dibromofluoromethane	7.59	113	224378	42.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.98%	
50) Toluene-d8	10.09	98	829760	42.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.02%	
62) 4-Bromofluorobenzene	12.40	95	231798	34.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.82%	
Target Compounds						
27) cis-1,2-Dichloroethene	6.83	96	23302	3.61	ug/l	91
44) Trichloroethene	8.84	130	32232	4.98	ug/l	97
64) Tetrachloroethene	10.63	164	2503986	466.17	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

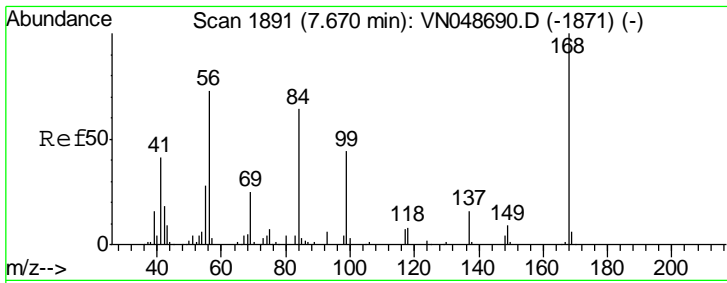
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048743.D
 Acq On : 30 May 2018 16:17
 Operator : MD\SY
 Sample : J3131-11 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 937-MW-17(24)

Quant Time: May 31 08:41:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



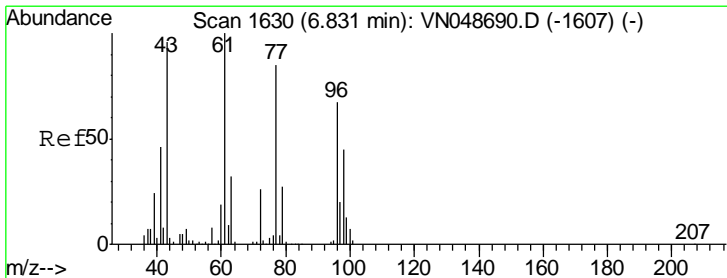
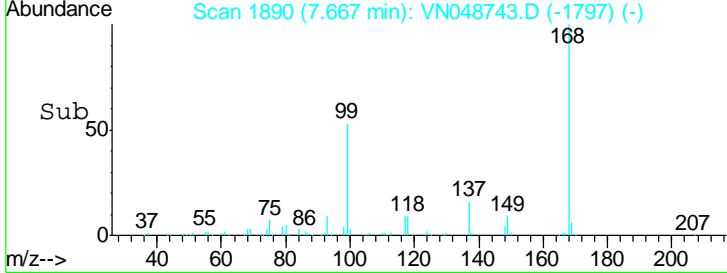
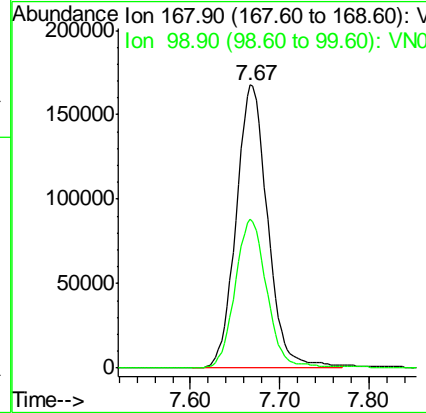
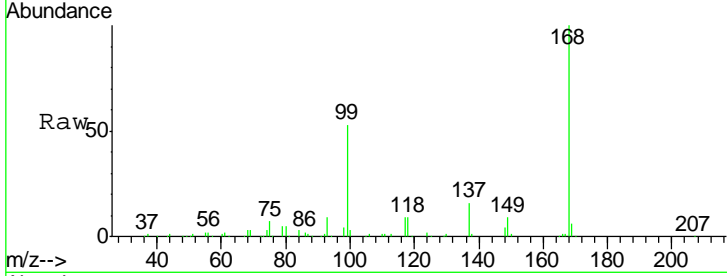
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN048743.D
 Acq: 30 May 2018 16:17

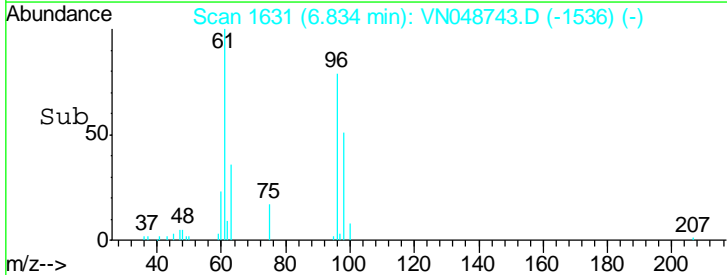
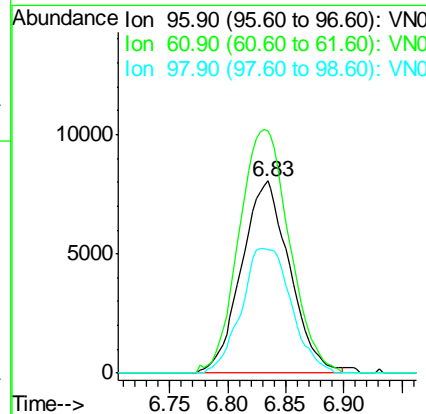
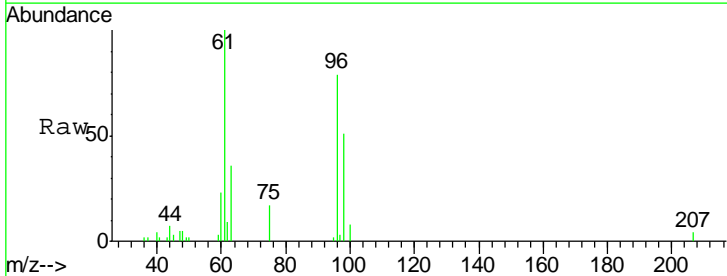
Instrument :
 MSVOA_N
 ClientSampled :
 937-MW-17(24)

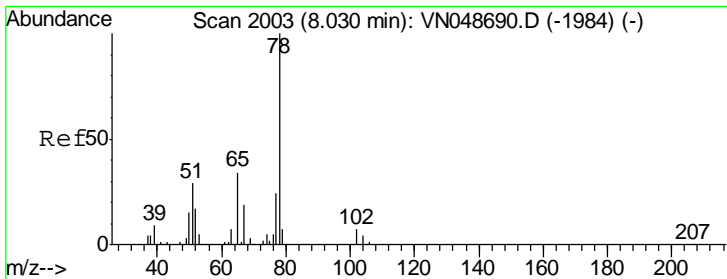
Tgt Ion	Resp	Lower	Upper
168	411578		
99	52.8	40.8	61.2



#27
 cis-1,2-Dichloroethene
 Concen: 3.61 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: VN048743.D
 Acq: 30 May 2018 16:17

Tgt Ion	Resp	Lower	Upper
96	23302		
61	132.6	0.0	292.6
98	67.1	0.0	128.2

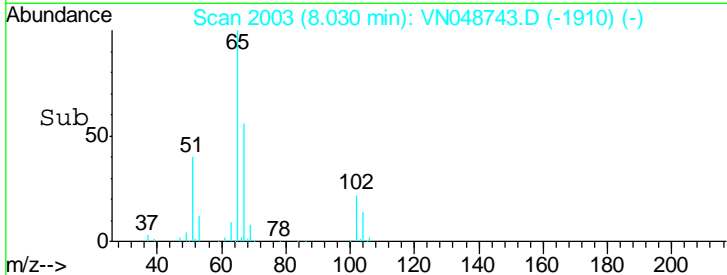
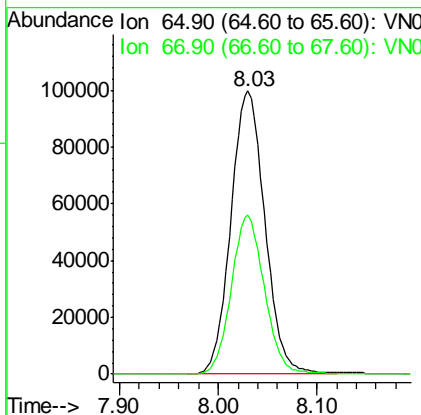
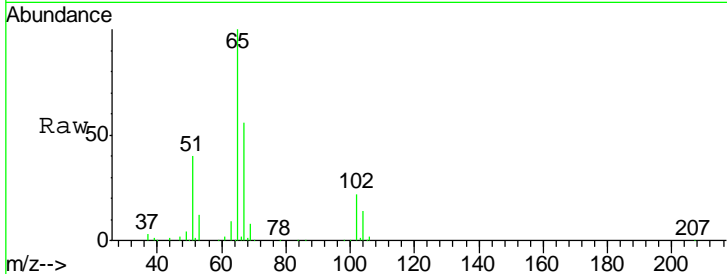




#33
 1,2-Dichloroethane-d4
 Concen: 39.98 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN048743.D
 Acq: 30 May 2018 16:17

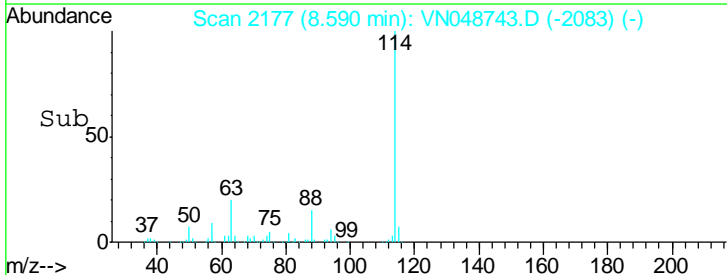
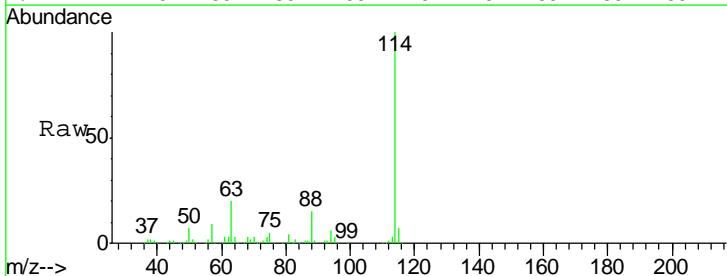
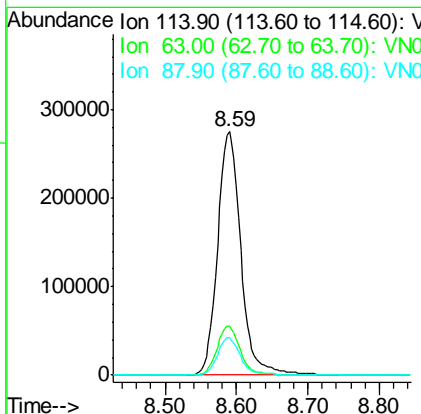
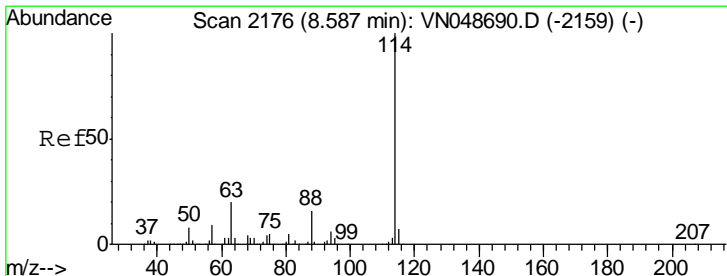
Instrument : MSVOA_N
 ClientSampled : 937-MW-17(24)

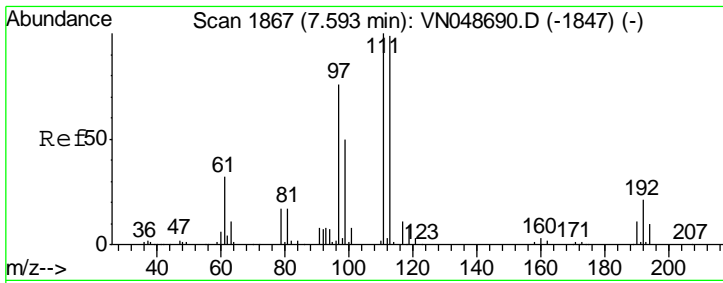
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.9	0.0	108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048743.D
 Acq: 30 May 2018 16:17

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.1	0.0	40.0
88	15.2	0.0	31.0

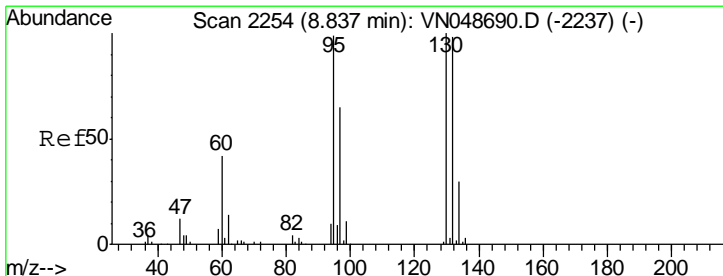
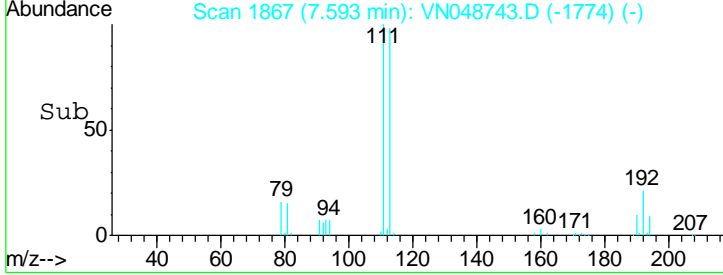
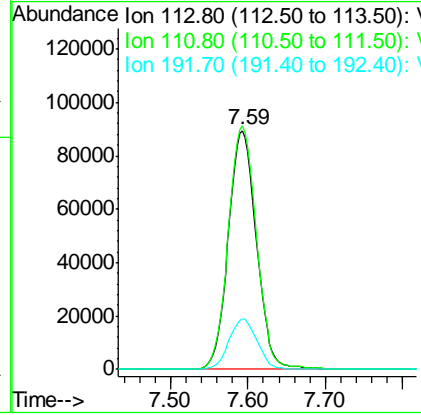
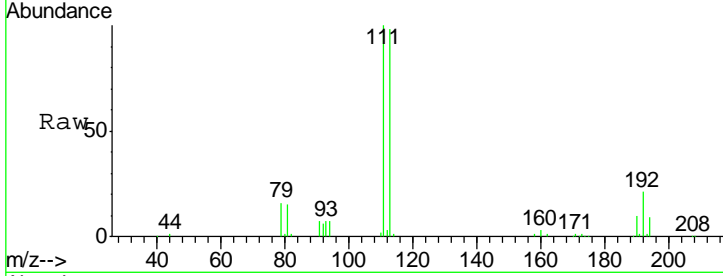




#35
 Dibromofluoromethane
 Concen: 42.49 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN048743.D
 Acq: 30 May 2018 16:17

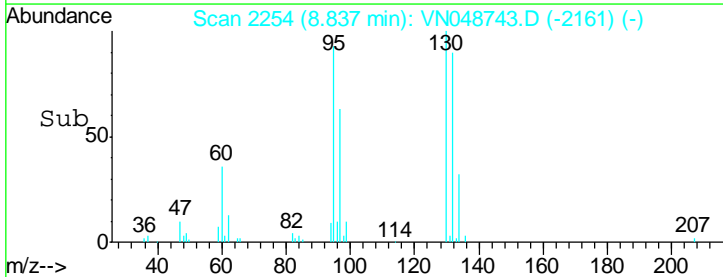
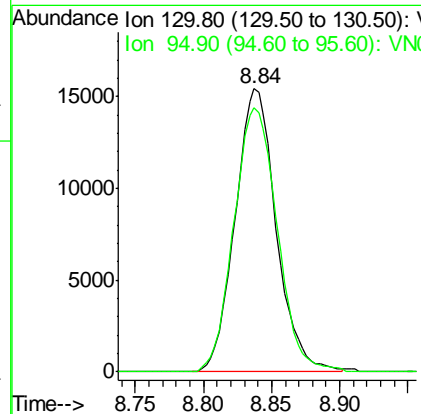
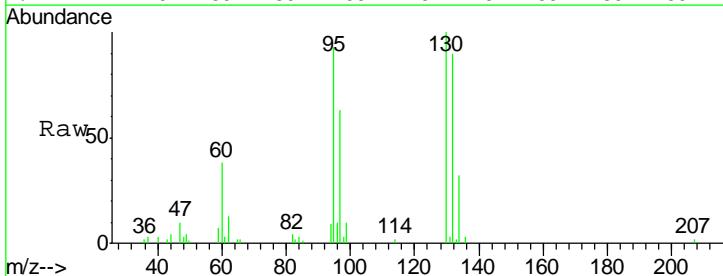
Instrument : MSVOA_N
 ClientSampleId : 937-MW-17(24)

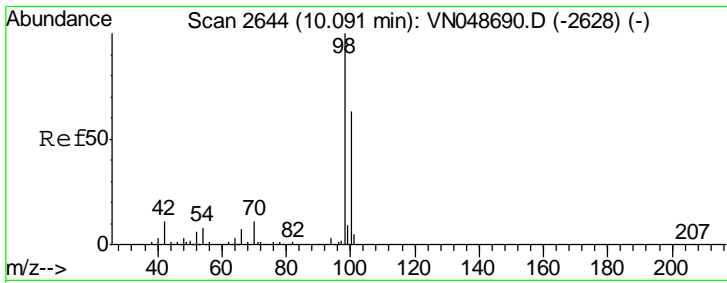
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	21.2	17.6	26.4



#44
 Trichloroethene
 Concen: 4.98 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN048743.D
 Acq: 30 May 2018 16:17

Tgt Ion	Resp	Lower	Upper
130	100		
95	93.2	0.0	191.6

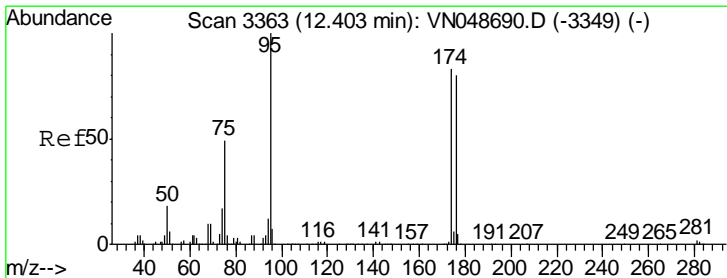
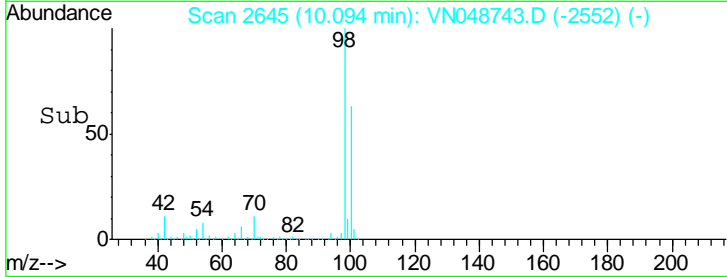
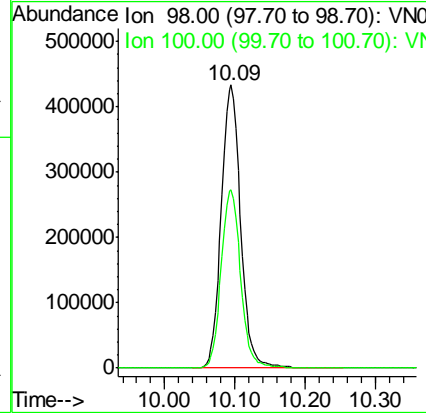
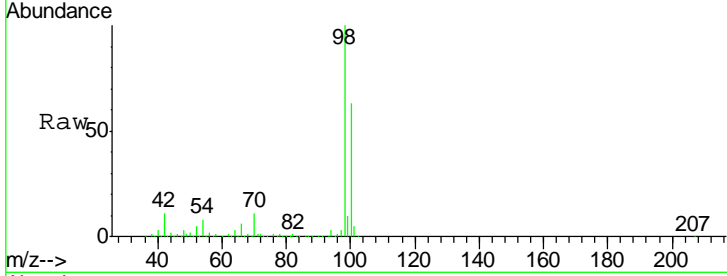




#50
 Toluene-d8
 Concen: 42.51 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VN048743.D
 Acq: 30 May 2018 16:17

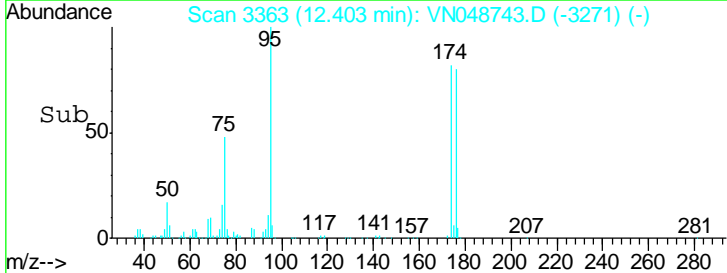
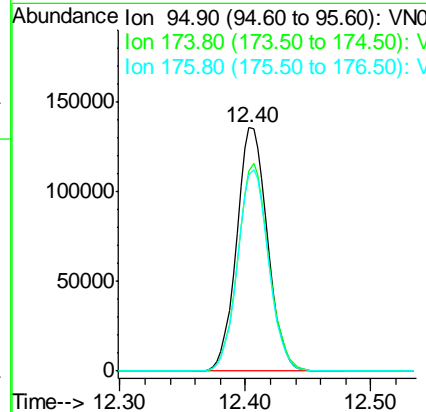
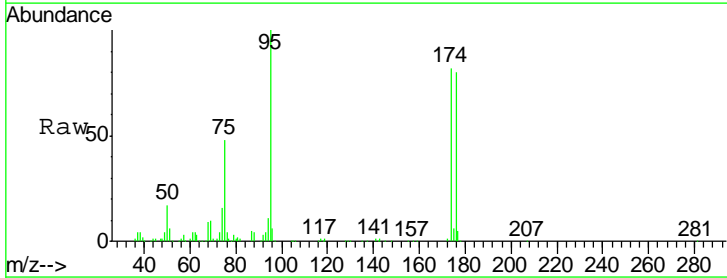
Instrument :
 MSVOA_N
 ClientSampled :
 937-MW-17(24)

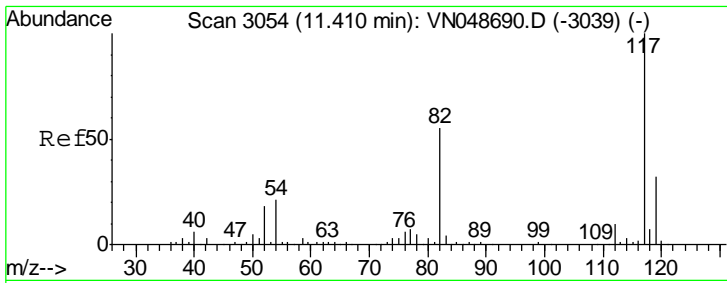
Tgt Ion	Resp	Lower	Upper
98	100		
100	63.3	51.2	76.8



#62
 4-Bromofluorobenzene
 Concen: 34.41 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048743.D
 Acq: 30 May 2018 16:17

Tgt Ion	Resp	Lower	Upper
95	100		
174	85.5	0.0	173.8
176	83.2	0.0	170.0

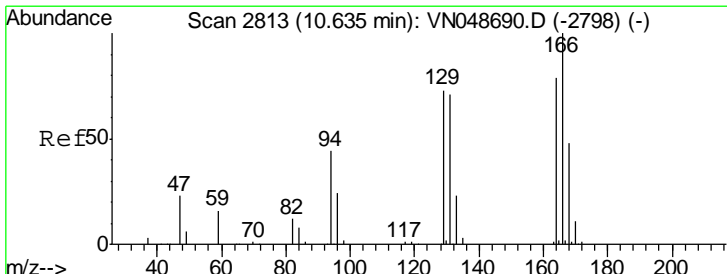
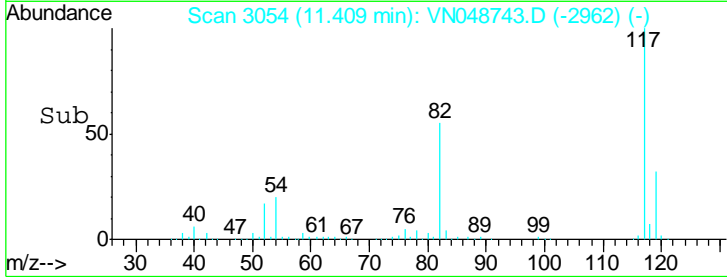
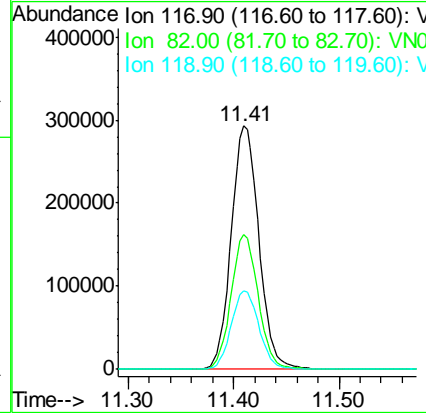
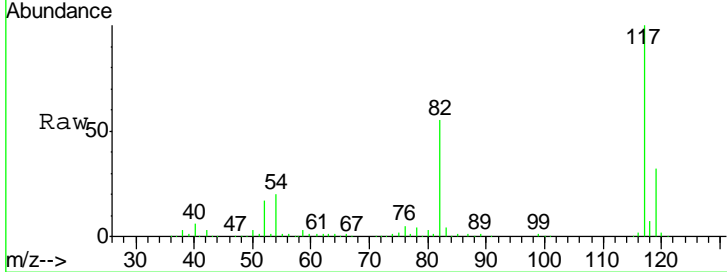




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048743.D
 Acq: 30 May 2018 16:17

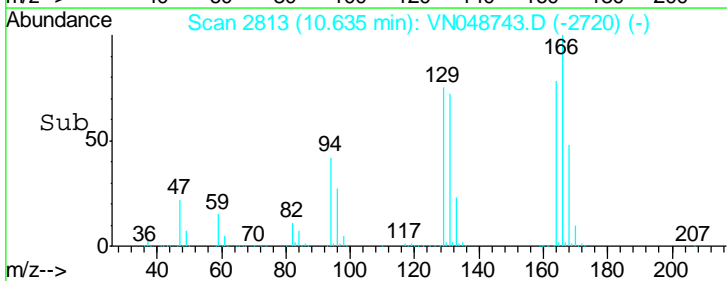
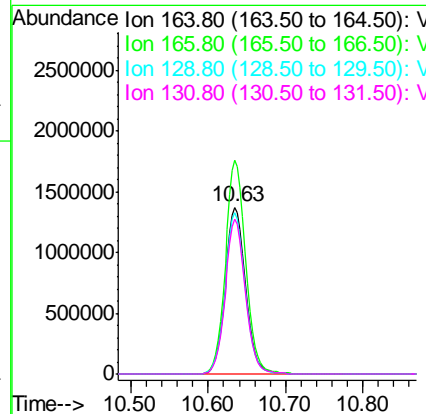
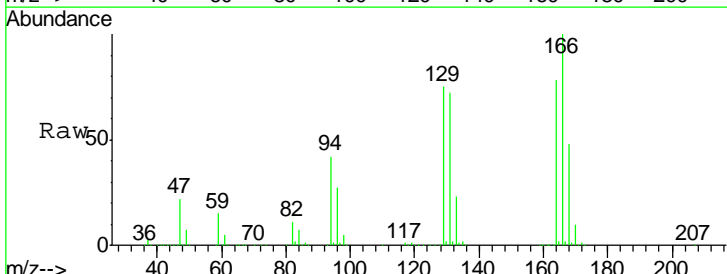
Instrument :
 MSVOA_N
 ClientSampled :
 937-MW-17(24)

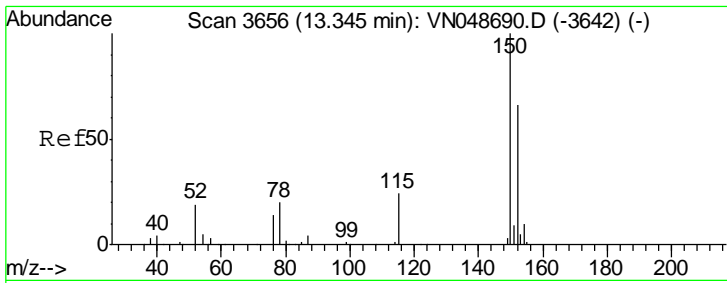
Tgt Ion	Resp	Lower	Upper
117	530554		
82	55.4	42.8	64.2
119	32.1	26.0	39.0



#64
 Tetrachloroethene
 Concen: 466.17 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: VN048743.D
 Acq: 30 May 2018 16:17

Tgt Ion	Resp	Lower	Upper
164	2503986		
166	128.0	102.7	154.1
129	96.3	74.3	111.5
131	92.7	71.4	107.0

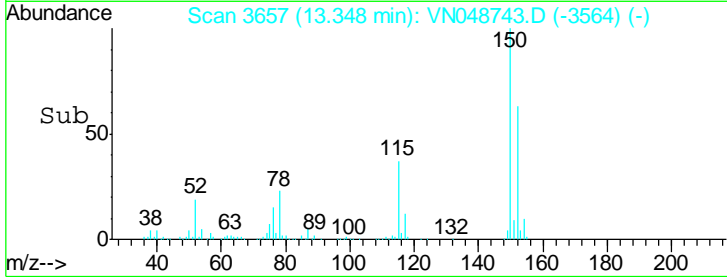
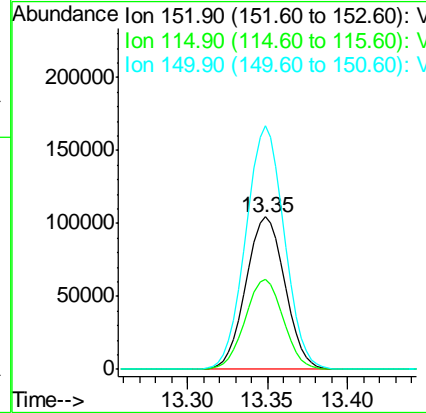
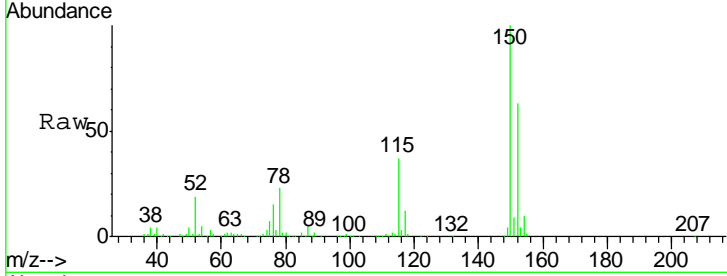




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. -0.00 min
 Lab File: VN048743.D
 Acq: 30 May 2018 16:17

Instrument : MSVOA_N
 ClientSampleId : 937-MW-17(24)

Tot Ion	Resp	Lower	Upper
152	173990		
115	57.9	28.1	84.4
150	157.2	0.0	353.0



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Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048743.D
 Acq On : 30 May 2018 16:17
 Operator : MD\SY
 Sample : J3131-11 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 937-MW-17(24)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.661	3	22	41	rBV	602328	952525	5.17%	3.278%
2	7.593	1847	1867	1878	rBV	288198	714821	3.88%	2.460%
3	7.667	1878	1890	1913	rVB	459198	1102901	5.98%	3.796%
4	8.030	1984	2003	2036	rBV	282151	666956	3.62%	2.295%
5	8.590	2160	2177	2221	rBV	618096	1392105	7.55%	4.791%
6	10.094	2628	2645	2674	rBV	1101994	2113139	11.47%	7.272%
7	10.635	2796	2813	2855	rVB	10105042	18428064	100.00%	63.421%
8	11.409	3038	3054	3082	rBV	853122	1534396	8.33%	5.281%
9	12.406	3349	3364	3387	rVB	650293	1120004	6.08%	3.855%
10	13.348	3643	3657	3670	rBV	624732	1031970	5.60%	3.552%

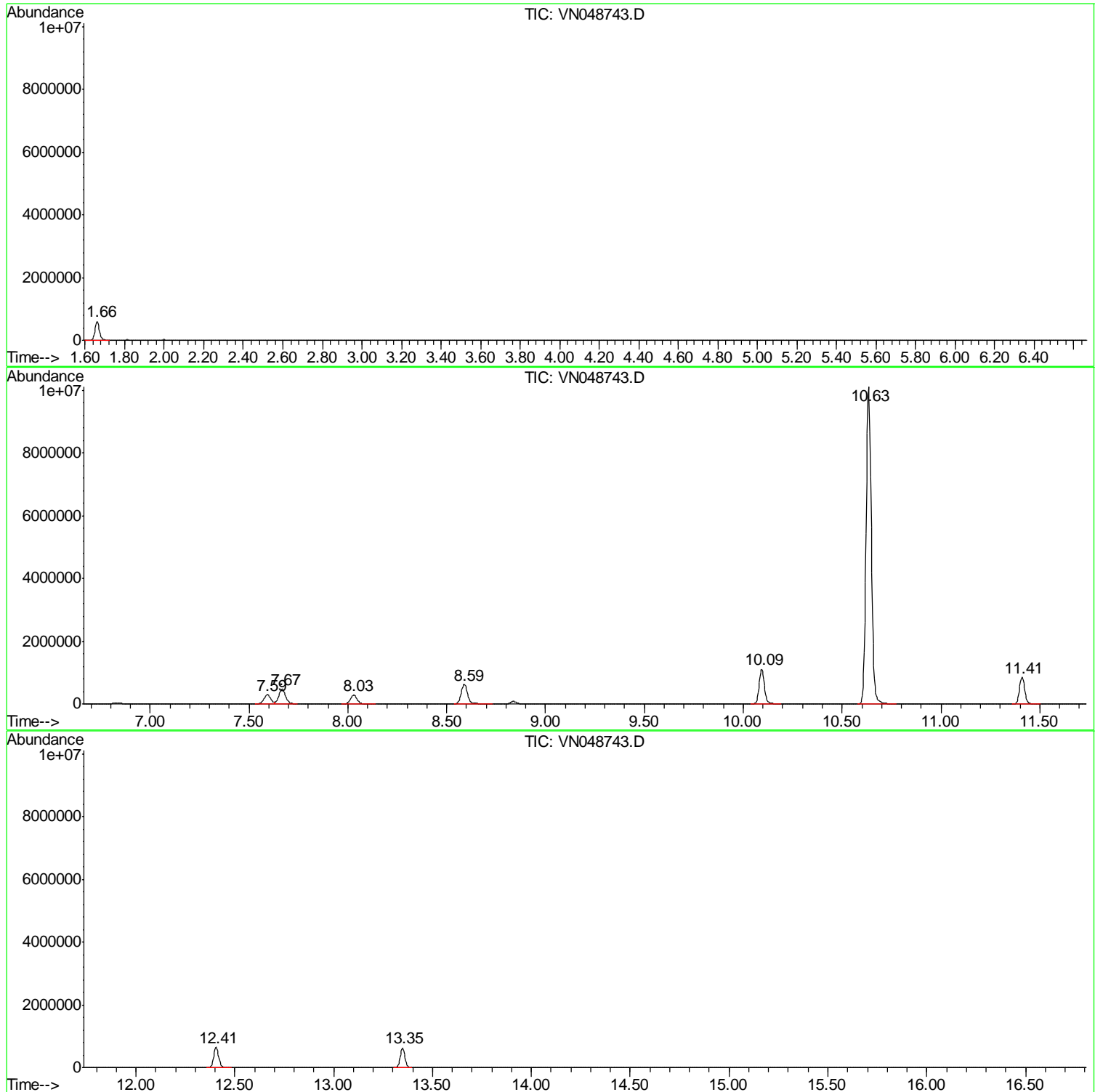
Sum of corrected areas: 29056881

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
Data File : VN048743.D
Acq On : 30 May 2018 16:17
Operator : MD\SY
Sample : J3131-11 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
937-MW-17(24)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
Data File : VN048743.D
Acq On : 30 May 2018 16:17
Operator : MD\SY
Sample : J3131-11 10X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
937-MW-17(24)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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- 14
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Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
 Data File : VN048743.D
 Acq On : 30 May 2018 16:17
 Operator : MD\SY
 Sample : J3131-11 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 937-MW-17(24)

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	937-MW-17(24)DL	SDG No.:	J3131
Lab Sample ID:	J3131-11DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048796.D	100		05/31/18 17:11	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	100	UD	20	20	100	ug/L
74-87-3	Chloromethane	100	UD	20	20	100	ug/L
75-01-4	Vinyl Chloride	100	UD	20	20	100	ug/L
74-83-9	Bromomethane	100	UD	20	20	100	ug/L
75-00-3	Chloroethane	100	UD	20	50	100	ug/L
75-69-4	Trichlorofluoromethane	100	UD	20	20	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	100	UD	20	20	100	ug/L
75-35-4	1,1-Dichloroethene	100	UD	20	20	100	ug/L
67-64-1	Acetone	500	UD	50	100	500	ug/L
75-15-0	Carbon Disulfide	100	UD	20	20	100	ug/L
1634-04-4	Methyl tert-butyl Ether	100	UD	35	50	100	ug/L
79-20-9	Methyl Acetate	100	UD	20	50	100	ug/L
75-09-2	Methylene Chloride	100	UD	20	20	100	ug/L
156-60-5	trans-1,2-Dichloroethene	100	UD	20	20	100	ug/L
75-34-3	1,1-Dichloroethane	100	UD	20	20	100	ug/L
110-82-7	Cyclohexane	100	UD	20	20	100	ug/L
78-93-3	2-Butanone	500	UD	130	250	500	ug/L
56-23-5	Carbon Tetrachloride	100	UD	20	20	100	ug/L
156-59-2	cis-1,2-Dichloroethene	100	UD	20	20	100	ug/L
74-97-5	Bromochloromethane	100	UD	20	50	100	ug/L
67-66-3	Chloroform	100	UD	20	20	100	ug/L
71-55-6	1,1,1-Trichloroethane	100	UD	20	20	100	ug/L
108-87-2	Methylcyclohexane	100	UD	20	20	100	ug/L
71-43-2	Benzene	100	UD	20	20	100	ug/L
107-06-2	1,2-Dichloroethane	100	UD	20	20	100	ug/L
79-01-6	Trichloroethene	48.1	JD	20	20	100	ug/L
78-87-5	1,2-Dichloropropane	100	UD	20	20	100	ug/L
75-27-4	Bromodichloromethane	100	UD	20	20	100	ug/L
108-10-1	4-Methyl-2-Pentanone	500	UD	100	100	500	ug/L
108-88-3	Toluene	100	UD	20	20	100	ug/L
10061-02-6	t-1,3-Dichloropropene	100	UD	20	20	100	ug/L
10061-01-5	cis-1,3-Dichloropropene	100	UD	20	20	100	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	937-MW-17(24)DL	SDG No.:	J3131
Lab Sample ID:	J3131-11DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048796.D	100		05/31/18 17:11	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	100	UD	20	20	100	ug/L
591-78-6	2-Hexanone	500	UD	190	250	500	ug/L
124-48-1	Dibromochloromethane	100	UD	20	20	100	ug/L
106-93-4	1,2-Dibromoethane	100	UD	20	20	100	ug/L
127-18-4	Tetrachloroethene	4400	D	20	20	100	ug/L
108-90-7	Chlorobenzene	100	UD	20	20	100	ug/L
100-41-4	Ethyl Benzene	100	UD	20	20	100	ug/L
179601-23-1	m/p-Xylenes	200	UD	40	40	200	ug/L
95-47-6	o-Xylene	100	UD	20	20	100	ug/L
100-42-5	Styrene	100	UD	20	20	100	ug/L
75-25-2	Bromoform	100	UD	20	20	100	ug/L
98-82-8	Isopropylbenzene	100	UD	20	20	100	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	100	UD	20	20	100	ug/L
541-73-1	1,3-Dichlorobenzene	100	UD	20	20	100	ug/L
106-46-7	1,4-Dichlorobenzene	100	UD	20	20	100	ug/L
95-50-1	1,2-Dichlorobenzene	100	UD	20	20	100	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	100	UD	20	20	100	ug/L
120-82-1	1,2,4-Trichlorobenzene	100	UD	20	20	100	ug/L
87-61-6	1,2,3-Trichlorobenzene	100	UD	20	20	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.6		61 - 141		113%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		69 - 133		109%	SPK: 50
2037-26-5	Toluene-d8	52.3		65 - 126		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.3		58 - 135		75%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	263971	7.67				
540-36-3	1,4-Difluorobenzene	418623	8.59				
3114-55-4	Chlorobenzene-d5	350076	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	89899	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	937-MW-17(24)DL	SDG No.:	J3131
Lab Sample ID:	J3131-11DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048796.D	100		05/31/18 17:11	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048796.D
 Acq On : 31 May 2018 17:11
 Operator : MD\SY
 Sample : J3131-11DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 937-MW-17(24)DL

Quant Time: May 31 17:46:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	263971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	418623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	350076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	89899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	216949	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	
35) Dibromofluoromethane	7.59	113	193544	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
50) Toluene-d8	10.09	98	685606	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.41	95	168881	37.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.68%	

Target Compounds

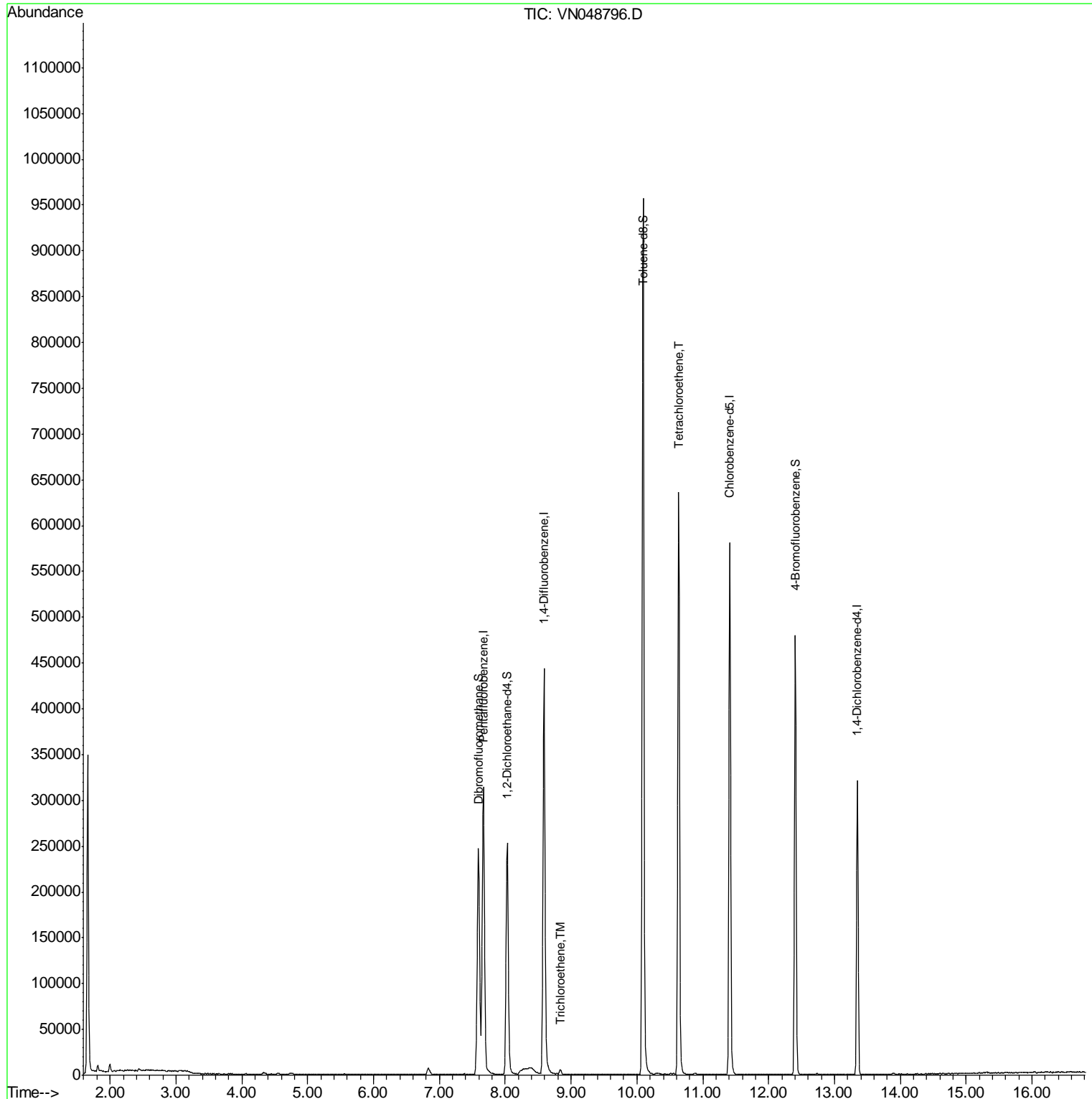
						Qvalue
44) Trichloroethene	8.83	130	2089	0.48	ug/l	91
64) Tetrachloroethene	10.63	164	155212	43.79	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

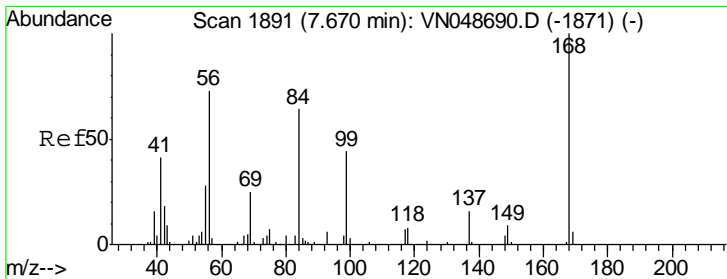
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 Data File : VN048796.D
 Acq On : 31 May 2018 17:11
 Operator : MD\SY
 Sample : J3131-11DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 937-MW-17(24)DL

Quant Time: May 31 17:46:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



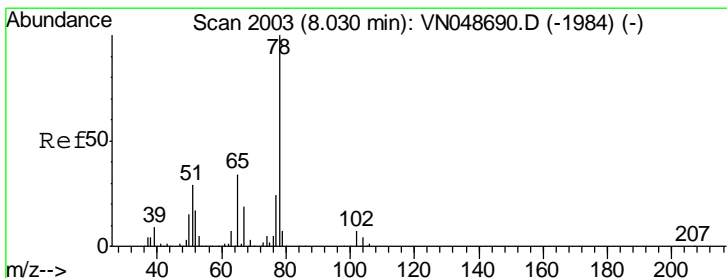
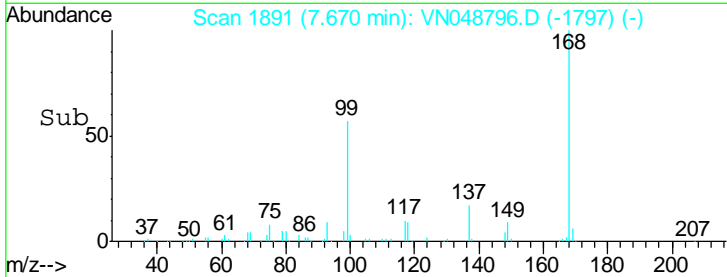
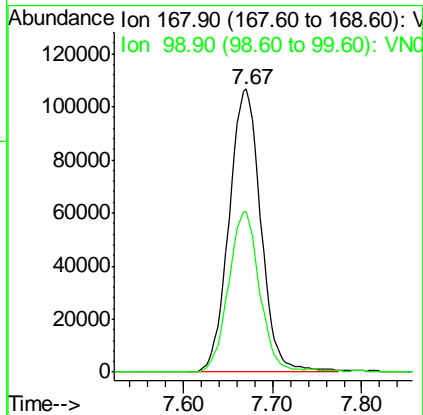
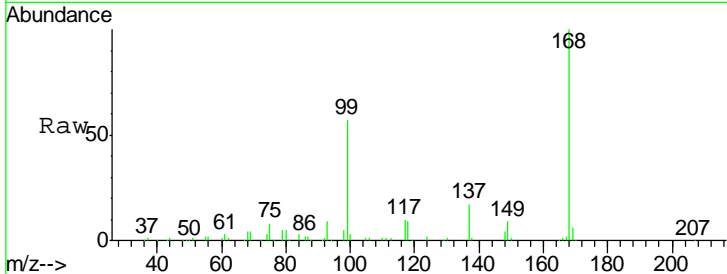
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN048796.D
 Acq: 31 May 2018 17:11

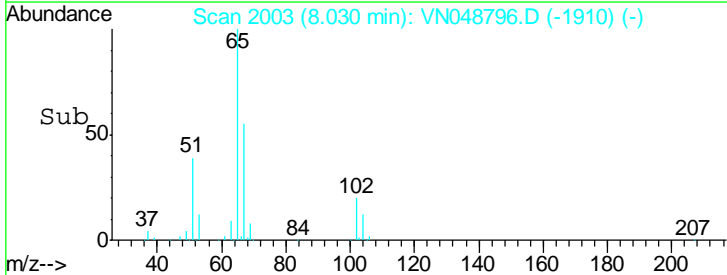
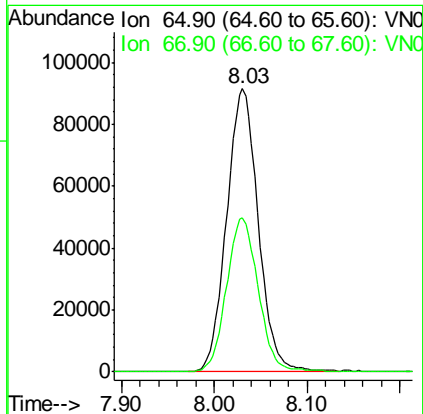
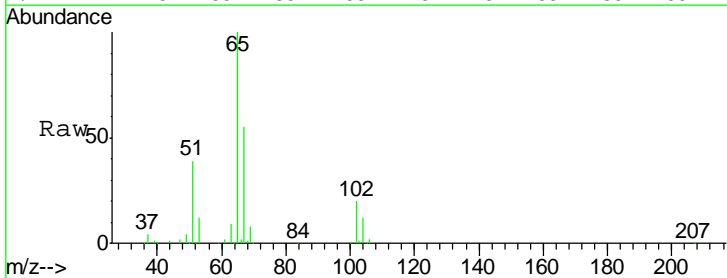
Instrument :
 MSVOA_N
 ClientSampled :
 937-MW-17(24)DL

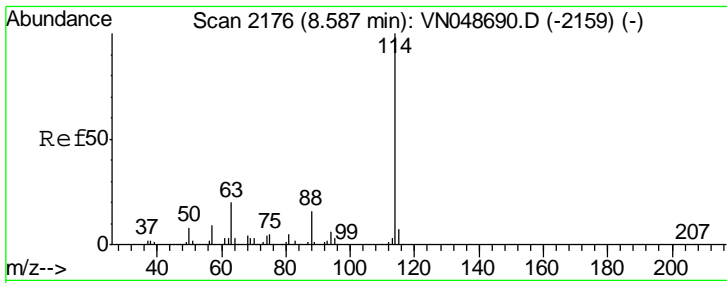
Tgt Ion	Resp	Lower	Upper
168	100		
99	56.6	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 56.55 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048796.D
 Acq: 31 May 2018 17:11

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.6	0.0	108.4

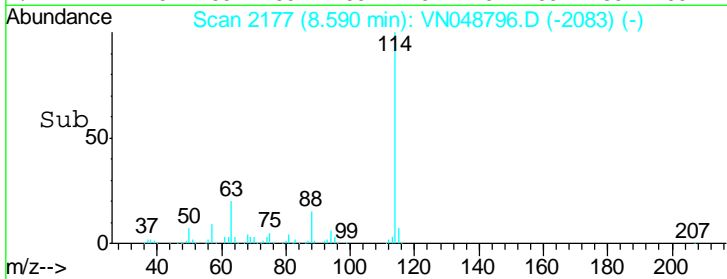
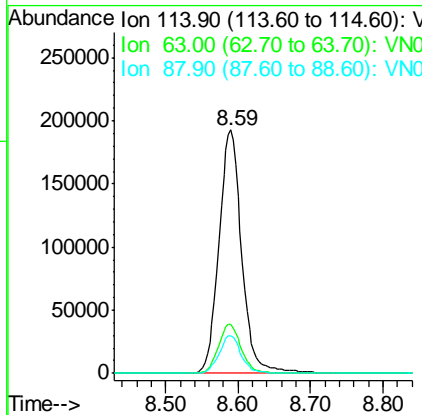
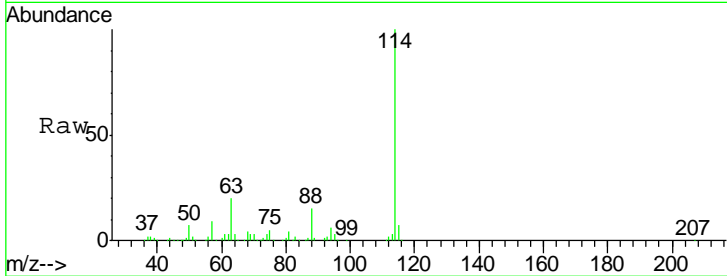




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048796.D
 Acq: 31 May 2018 17:11

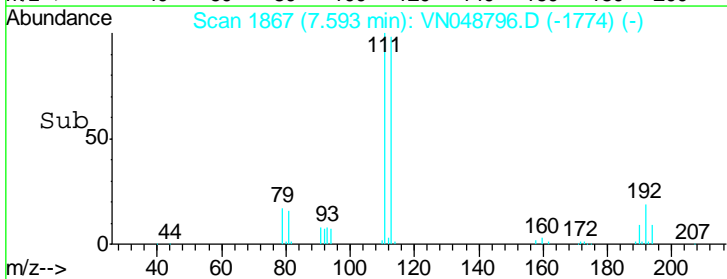
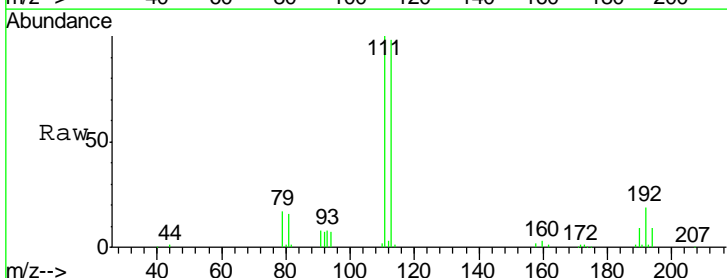
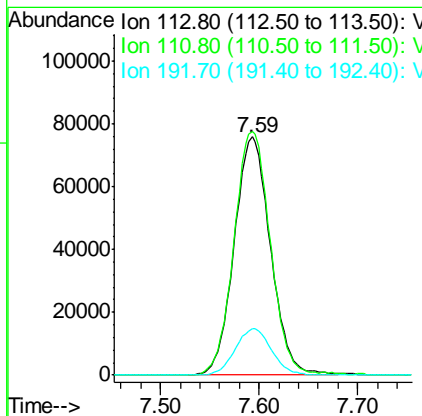
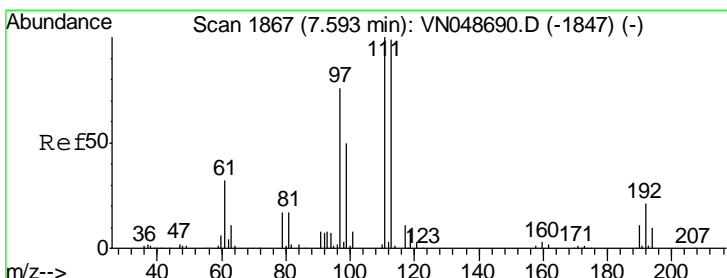
Instrument : MSVOA_N
 ClientSampleId : 937-MW-17(24)DL

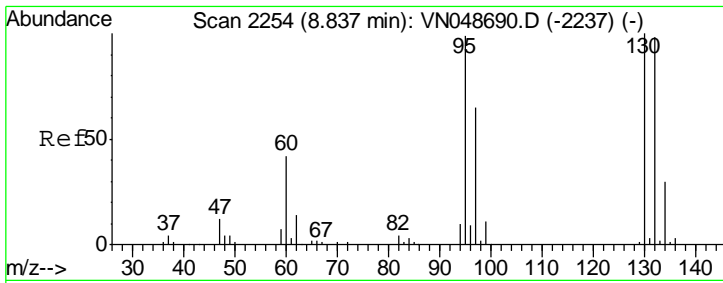
Tgt Ion	Resp	Lower	Upper
114	418623		
63	20.0	0.0	40.0
88	15.4	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 54.59 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048796.D
 Acq: 31 May 2018 17:11

Tgt Ion	Resp	Lower	Upper
113	193544		
111	102.1	81.7	122.5
192	19.5	17.6	26.4

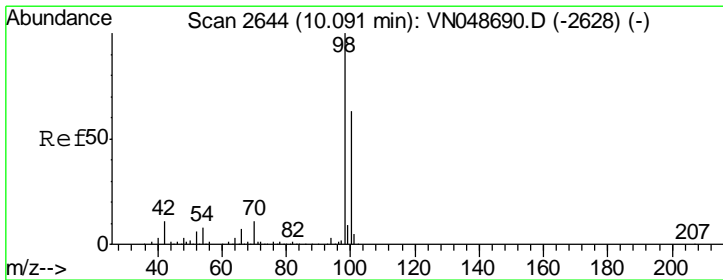
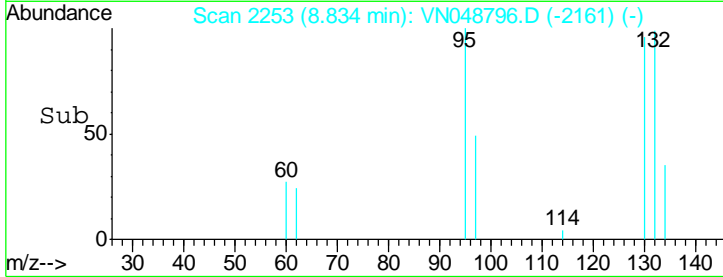
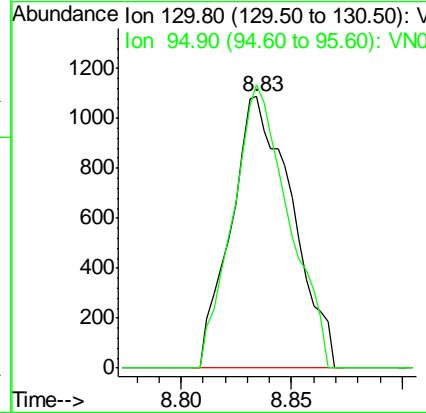
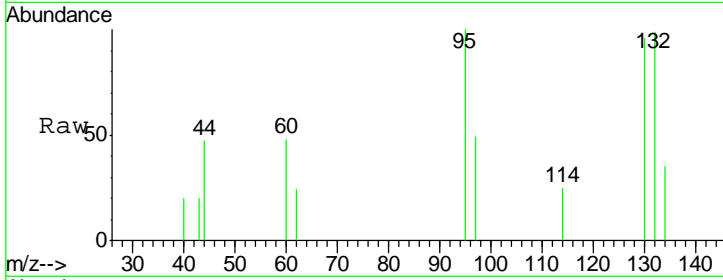




#44
 Trichloroethene
 Concen: 0.48 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN048796.D
 Acq: 31 May 2018 17:11

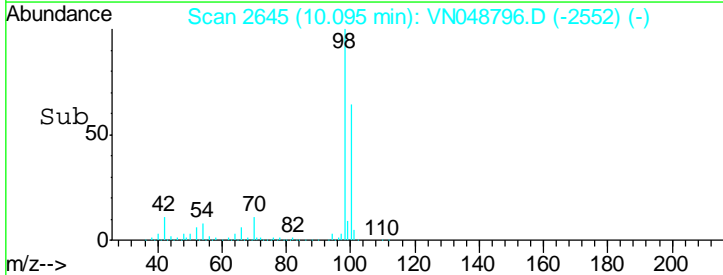
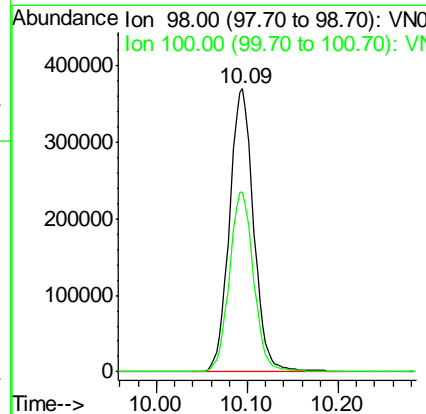
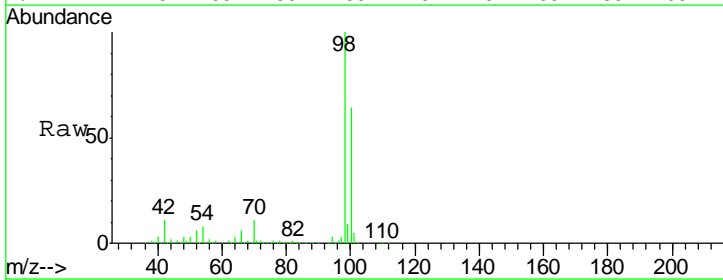
Instrument : MSVOA_N
 ClientSampled : 937-MW-17(24)DL

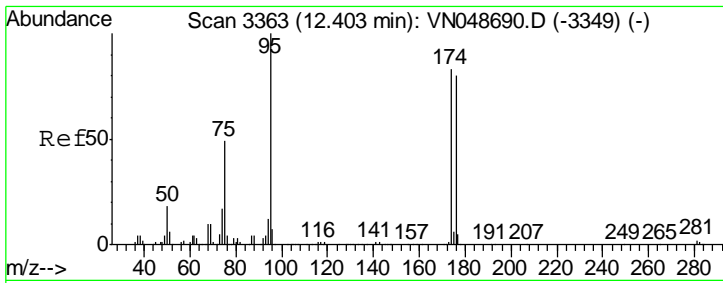
Tgt Ion	Resp	Lower	Upper
130	100		
95	104.3	0.0	191.6



#50
 Toluene-d8
 Concen: 52.31 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048796.D
 Acq: 31 May 2018 17:11

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.6	51.2	76.8

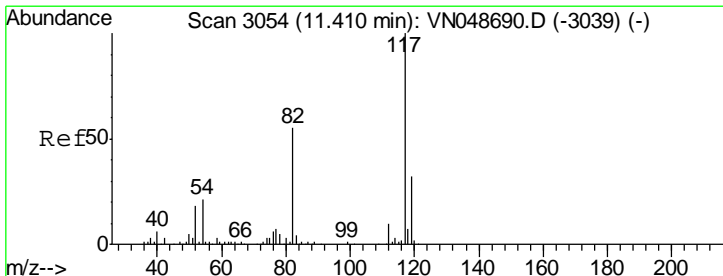
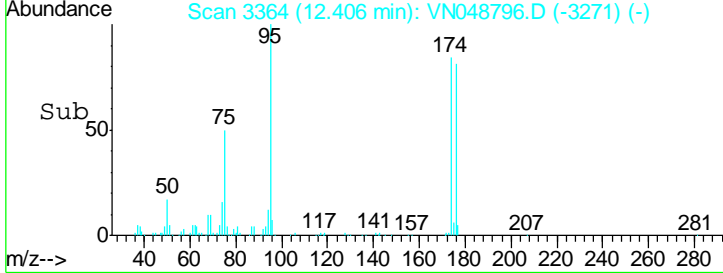
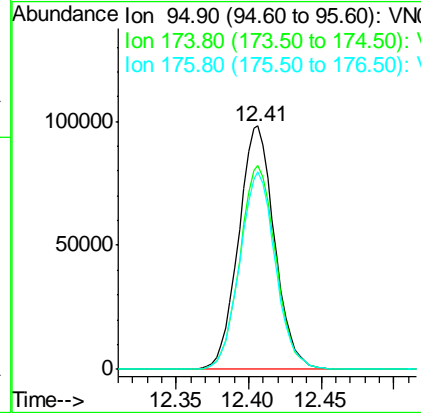
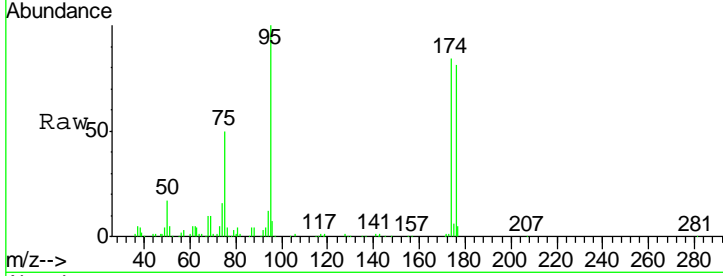




#62
 4-Bromofluorobenzene
 Concen: 37.34 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN048796.D
 Acq: 31 May 2018 17:11

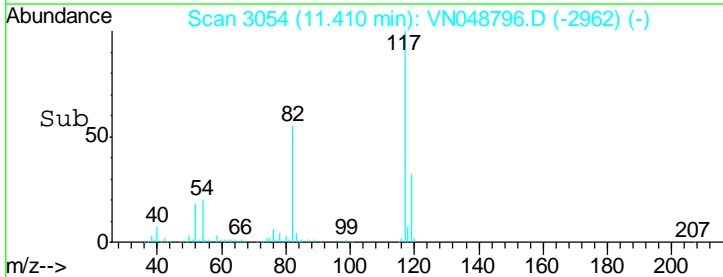
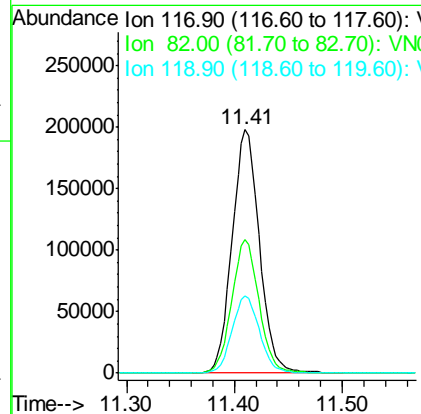
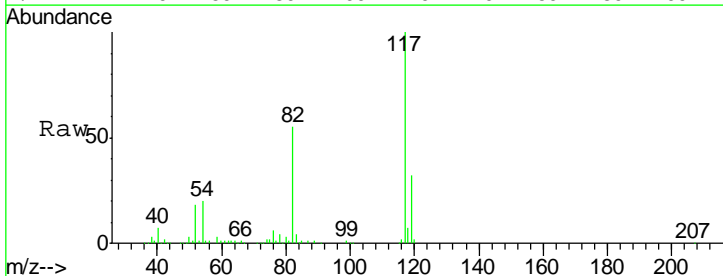
Instrument : MSVOA_N
 ClientSampleId : 937-MW-17(24)DL

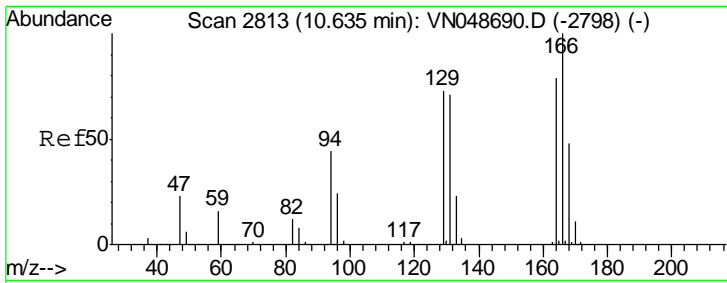
Tgt Ion	Resp	Lower	Upper
95	168881		
174	84.0	0.0	173.8
176	80.4	0.0	170.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048796.D
 Acq: 31 May 2018 17:11

Tgt Ion	Resp	Lower	Upper
117	350076		
82	55.0	42.8	64.2
119	31.9	26.0	39.0

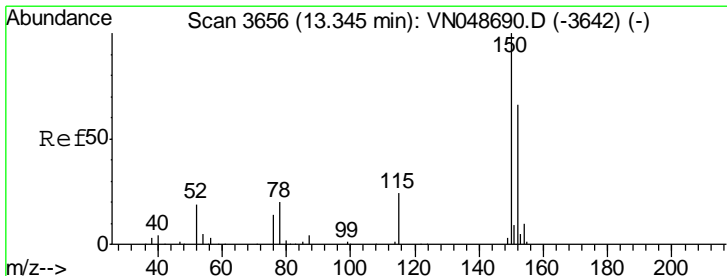
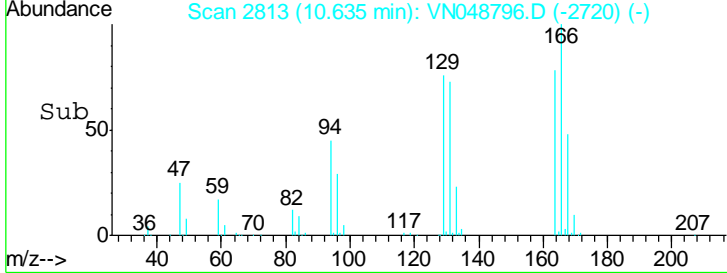
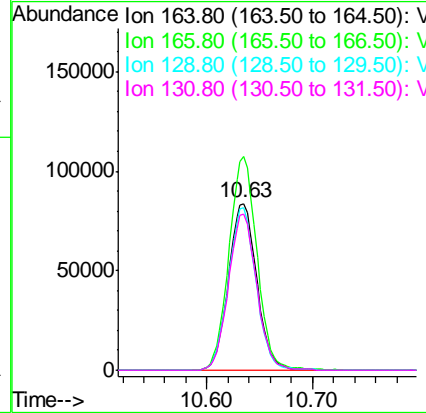
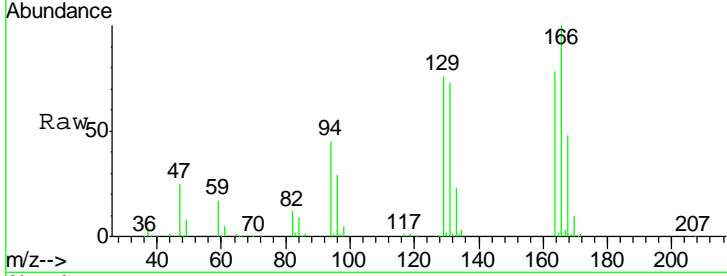




#64
 Tetrachloroethene
 Concen: 43.79 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048796.D
 Acq: 31 May 2018 17:11

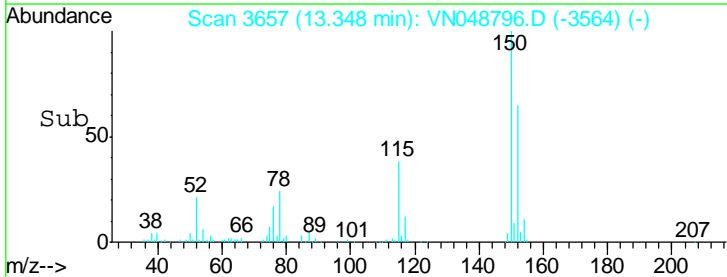
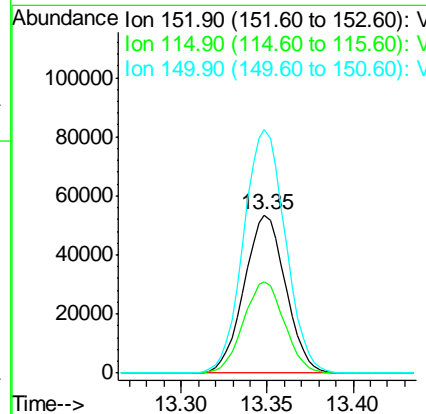
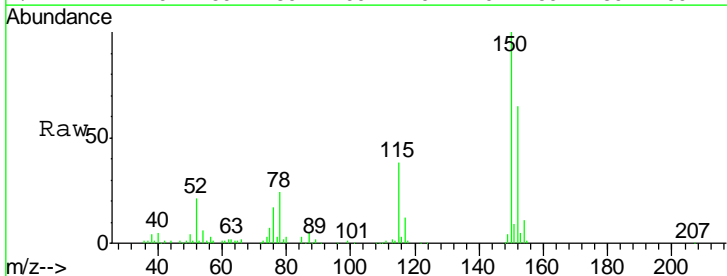
Instrument : MSVOA_N
 ClientSampleId : 937-MW-17(24)DL

Tgt Ion	Resp	Lower	Upper
164	100		
166	128.3	102.7	154.1
129	97.4	74.3	111.5
131	93.6	71.4	107.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048796.D
 Acq: 31 May 2018 17:11

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.9	28.1	84.4
150	155.4	0.0	353.0





284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	938-FB052218	SDG No.:	J3131
Lab Sample ID:	J3131-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048789.D	1		05/31/18 14:10	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	6.2		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	5.3		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



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Report of Analysis

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Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	938-FB052218	SDG No.:	J3131
Lab Sample ID:	J3131-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048789.D	1		05/31/18 14:10	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.5		61 - 141		109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		69 - 133		105%	SPK: 50
2037-26-5	Toluene-d8	51		65 - 126		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.4		58 - 135		77%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	286367	7.67				
540-36-3	1,4-Difluorobenzene	462377	8.59				
3114-55-4	Chlorobenzene-d5	387825	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	117725	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	938-FB052218	SDG No.:	J3131
Lab Sample ID:	J3131-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048789.D	1		05/31/18 14:10	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048789.D
 Acq On : 31 May 2018 14:10
 Operator : MD\SY
 Sample : J3131-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 938-FB052218

Quant Time: May 31 14:39:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	286367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	462377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	387825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	117725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	226880	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	7.59	113	205700	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
50) Toluene-d8	10.09	98	738472	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.40	95	191696	38.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.74%	

Target Compounds

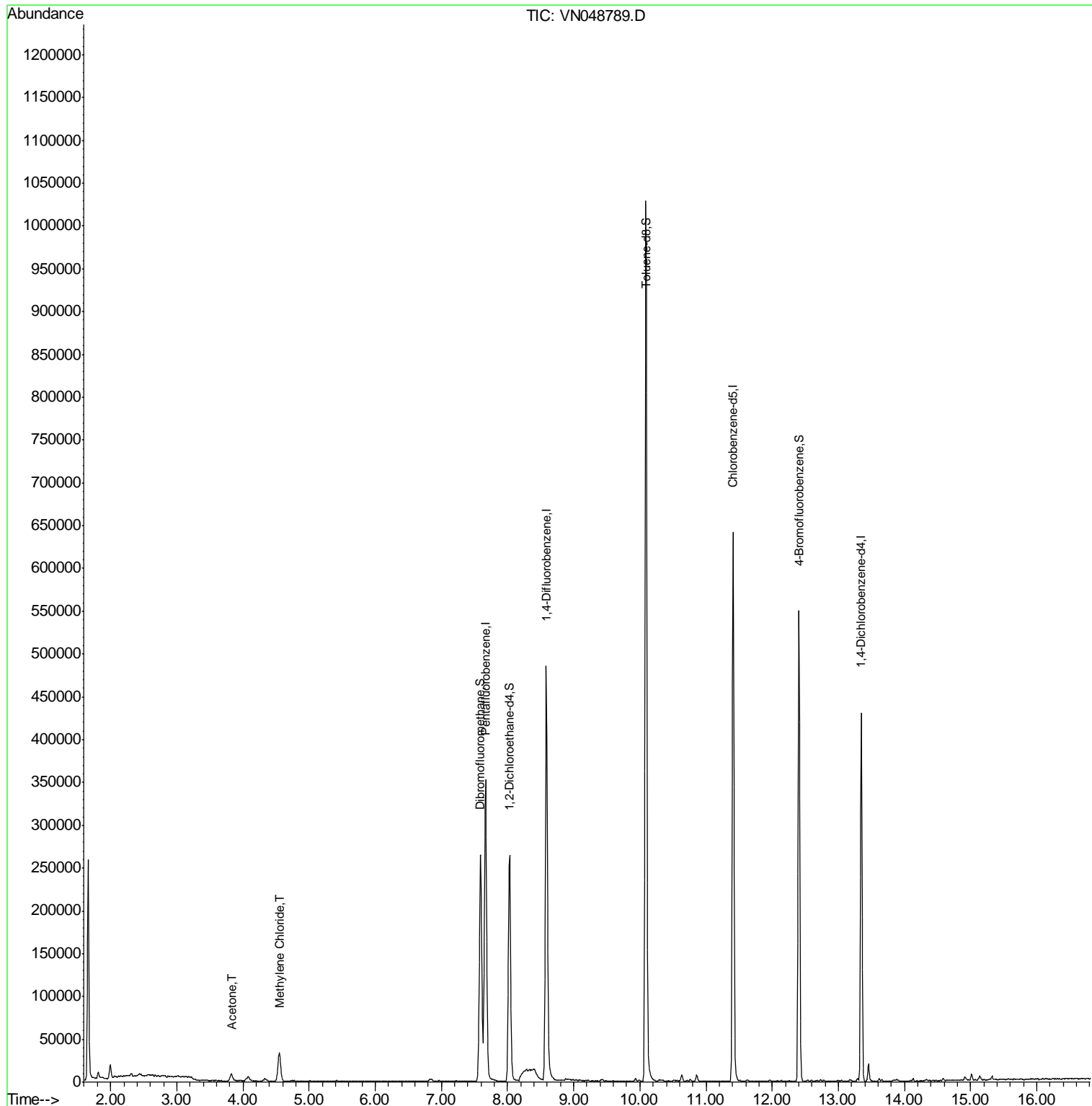
						Qvalue
16) Acetone	3.82	43	14920	6.20	ug/l	92
20) Methylene Chloride	4.55	84	23536	5.26	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

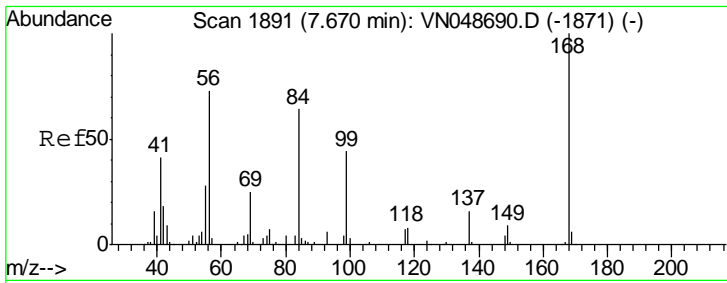
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048789.D
 Acq On : 31 May 2018 14:10
 Operator : MD\SY
 Sample : J3131-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 938-FB052218

Quant Time: May 31 14:39:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



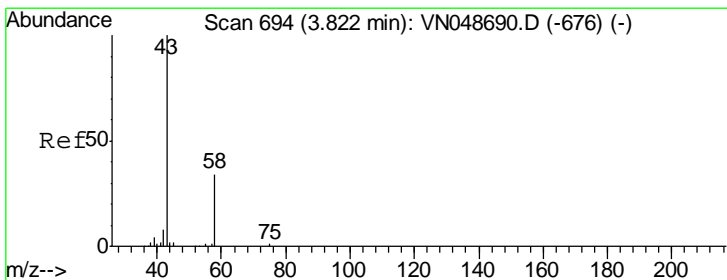
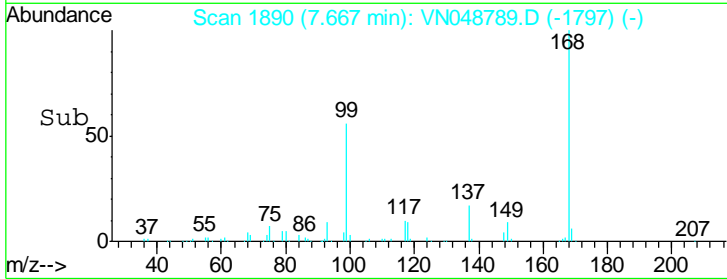
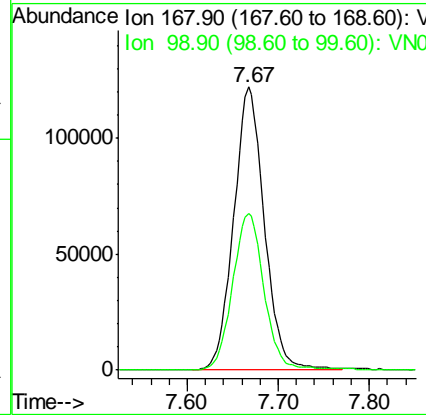
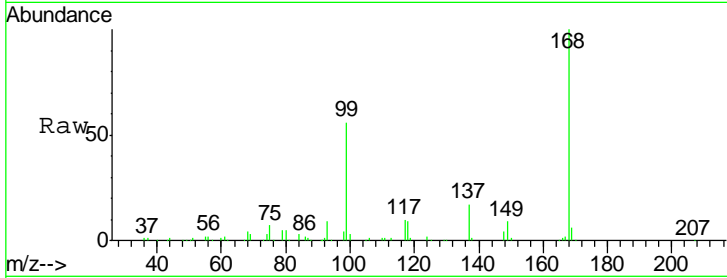
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048789.D
 Acq: 31 May 2018 14:10

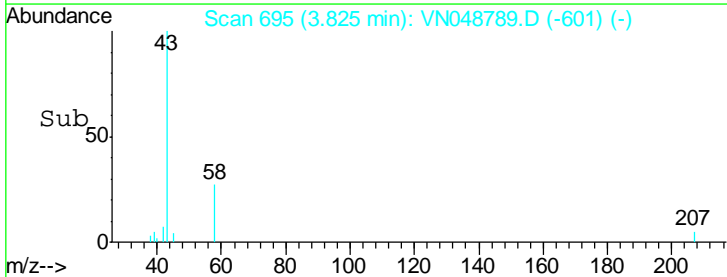
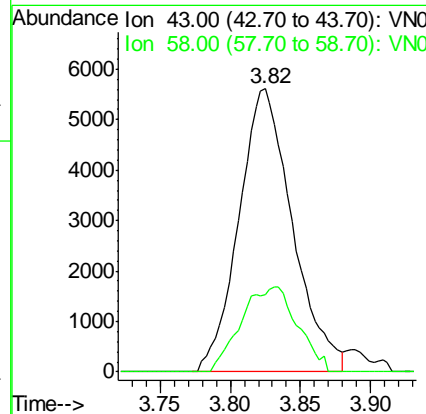
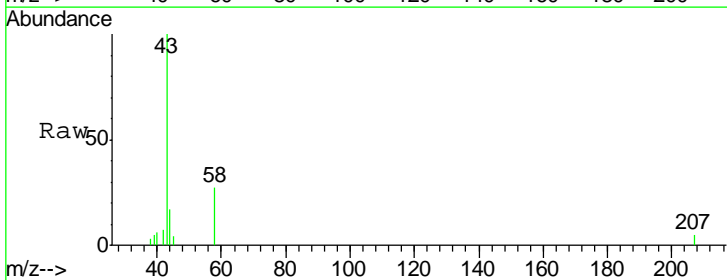
Instrument : MSVOA_N
 ClientSampleId : 938-FB052218

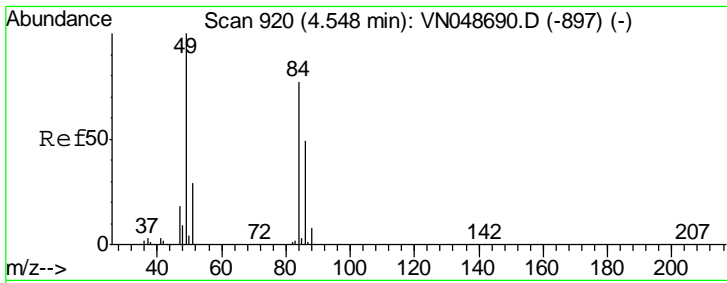
Tgt Ion	Resp	Lower	Upper
168	100		
99	55.5	40.8	61.2



#16
 Acetone
 Concen: 6.20 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN048789.D
 Acq: 31 May 2018 14:10

Tgt Ion	Resp	Lower	Upper
43	100		
58	27.2	25.4	38.0

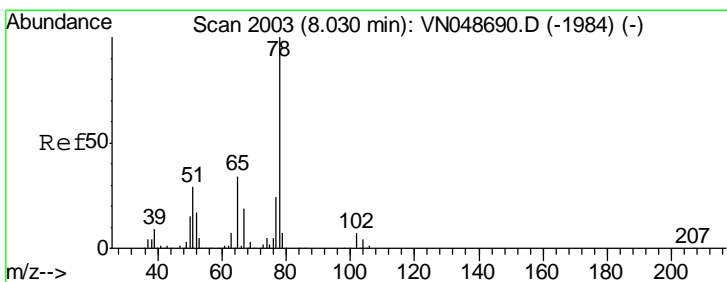
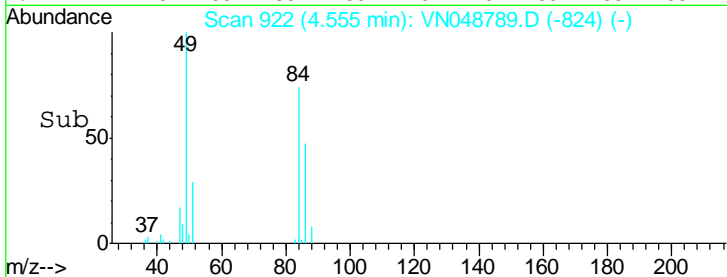
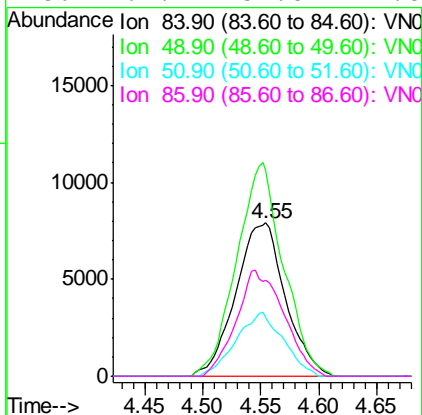
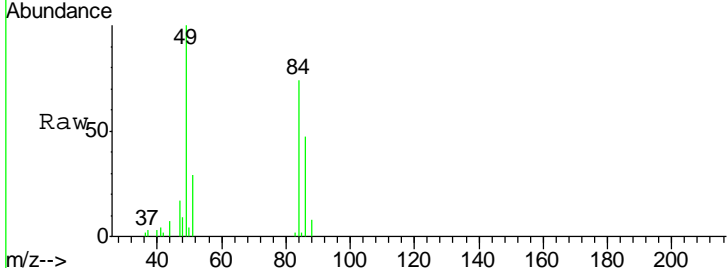




#20
 Methylene Chloride
 Concen: 5.26 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VN048789.D
 Acq: 31 May 2018 14:10

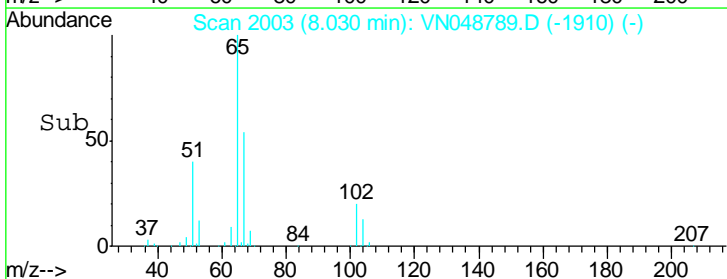
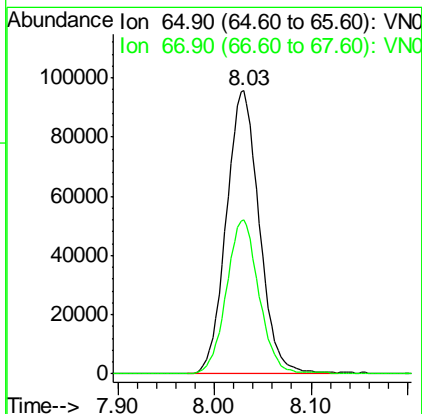
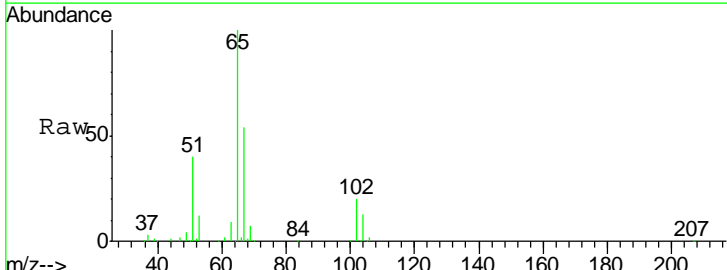
Instrument : MSVOA_N
 ClientSampled : 938-FB052218

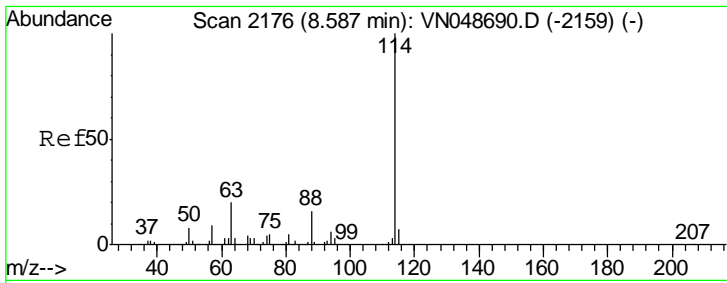
Tgt Ion	Resp	Lower	Upper
84	23536		
49	134.3	97.7	146.5
51	38.7	30.4	45.6
86	62.7	51.8	77.8



#33
 1,2-Dichloroethane-d4
 Concen: 54.52 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048789.D
 Acq: 31 May 2018 14:10

Tgt Ion	Resp	Lower	Upper
65	226880		
67	53.8	0.0	108.4

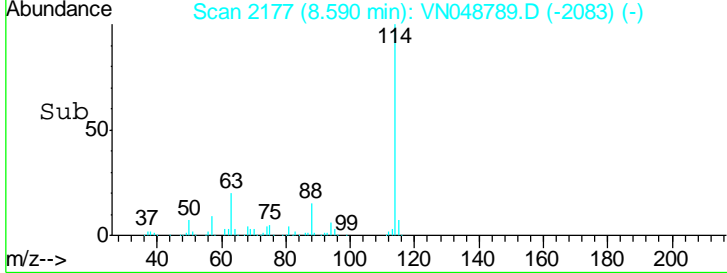
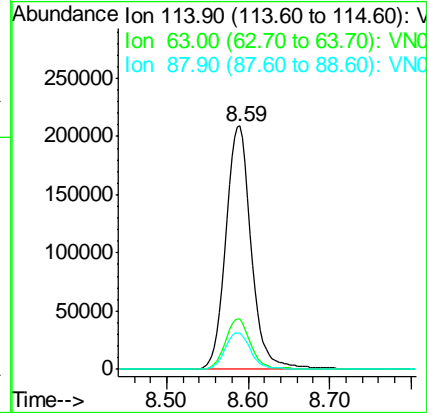
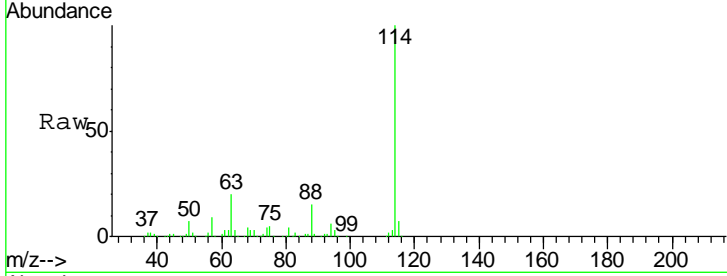




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048789.D
 Acq: 31 May 2018 14:10

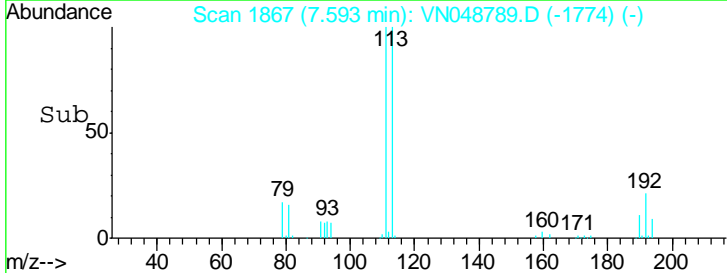
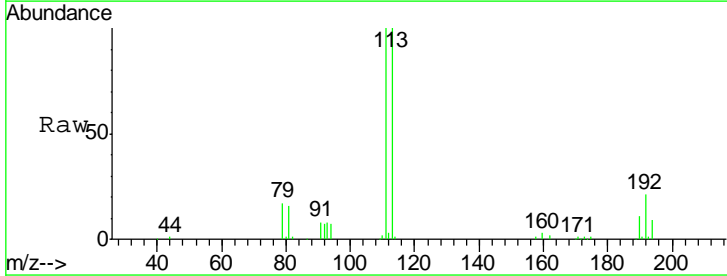
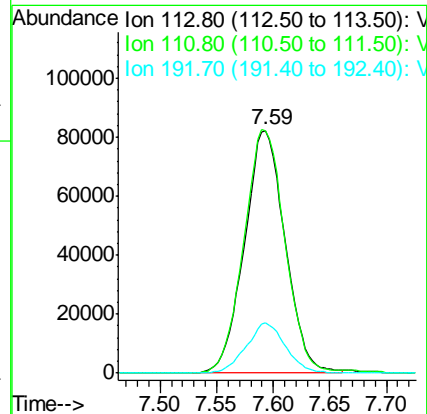
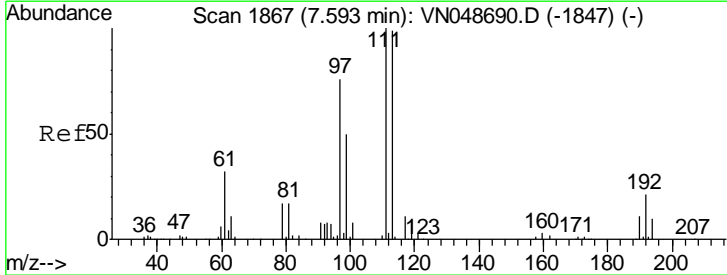
Instrument : MSVOA_N
 ClientSampled : 938-FB052218

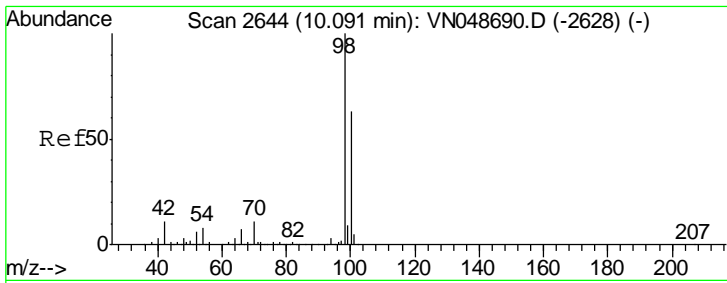
Tgt Ion	Resp	Lower	Upper
114	462377		
63	20.4	0.0	40.0
88	14.6	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 52.53 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048789.D
 Acq: 31 May 2018 14:10

Tgt Ion	Resp	Lower	Upper
113	205700		
111	102.2	81.7	122.5
192	20.1	17.6	26.4

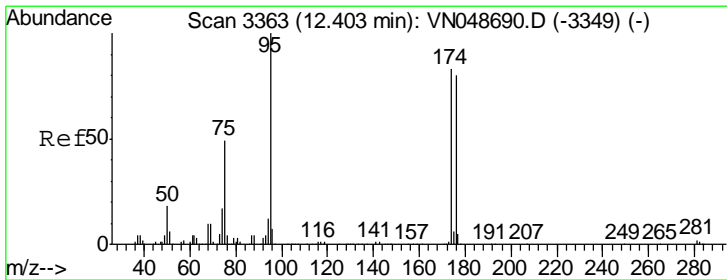
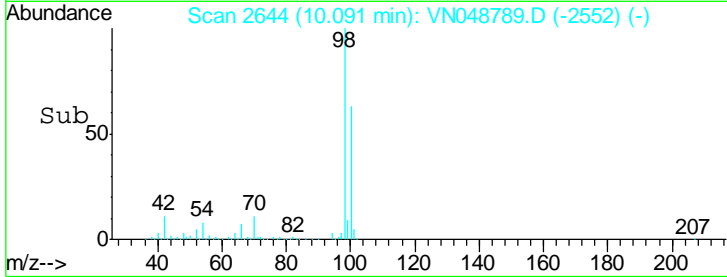
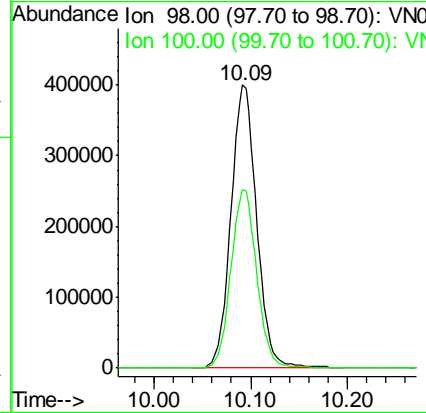
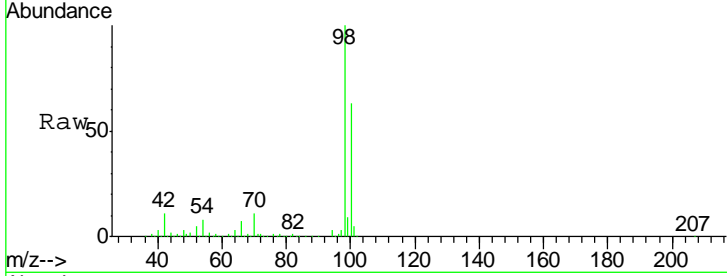




#50
 Toluene-d8
 Concen: 51.02 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048789.D
 Acq: 31 May 2018 14:10

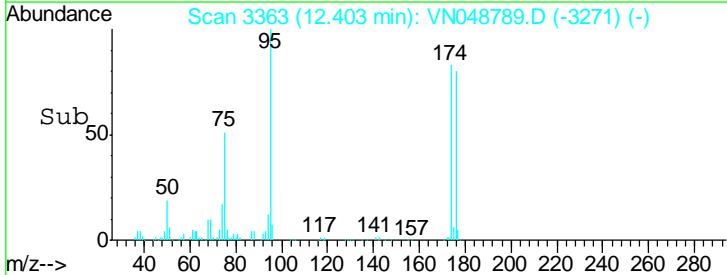
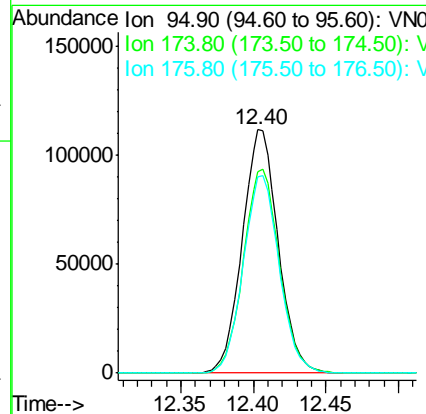
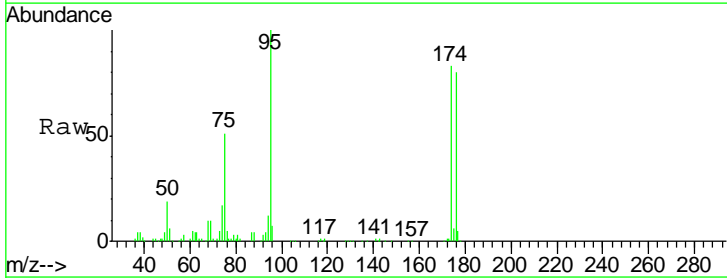
Instrument :
 MSVOA_N
 ClientSampled :
 938-FB052218

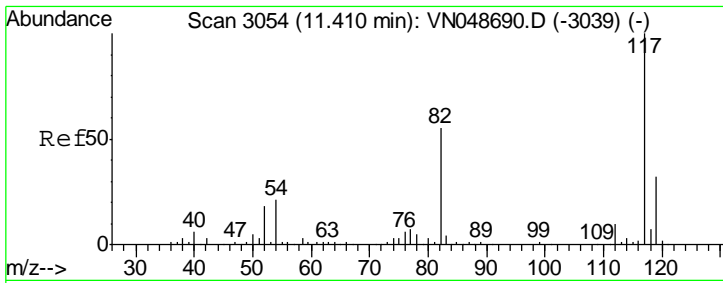
Tgt Ion	Resp	Lower	Upper
98	738472		
98	100		
100	63.6	51.2	76.8



#62
 4-Bromofluorobenzene
 Concen: 38.37 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048789.D
 Acq: 31 May 2018 14:10

Tgt Ion	Resp	Lower	Upper
95	191696		
95	100		
174	84.4	0.0	173.8
176	81.3	0.0	170.0

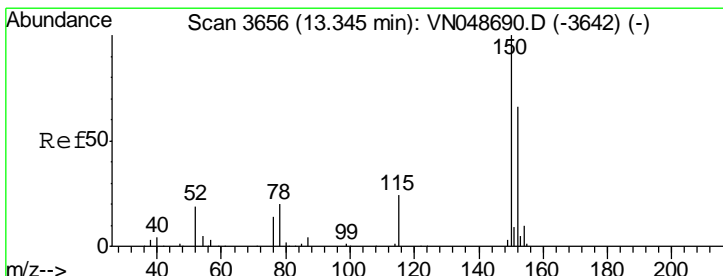
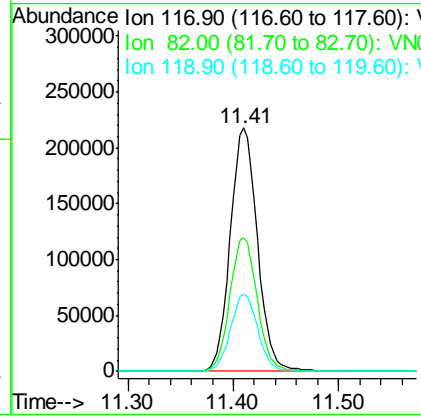
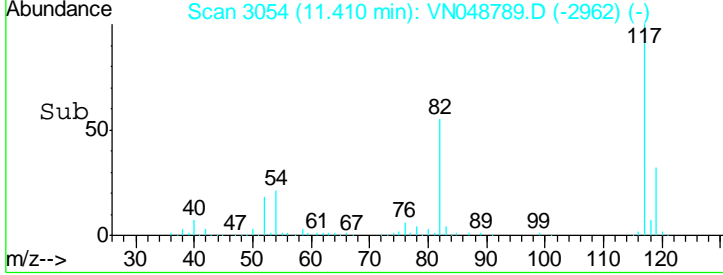
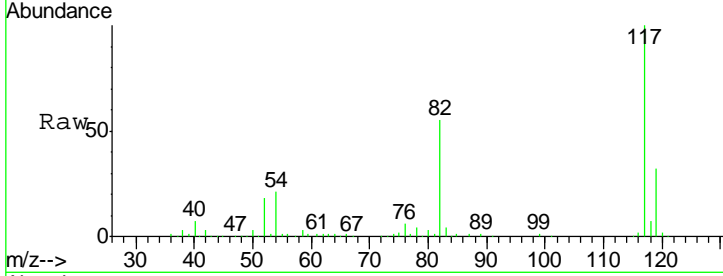




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048789.D
 Acq: 31 May 2018 14:10

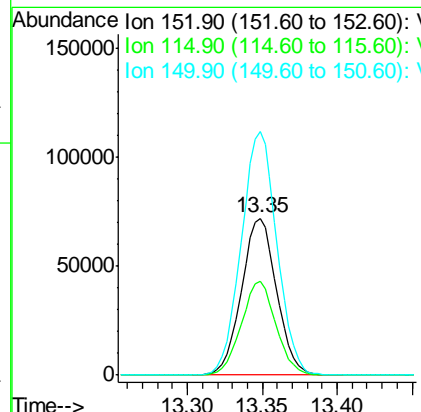
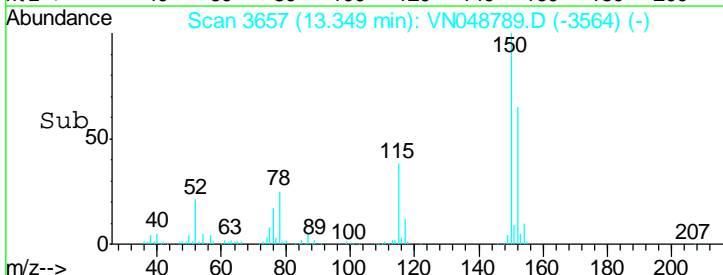
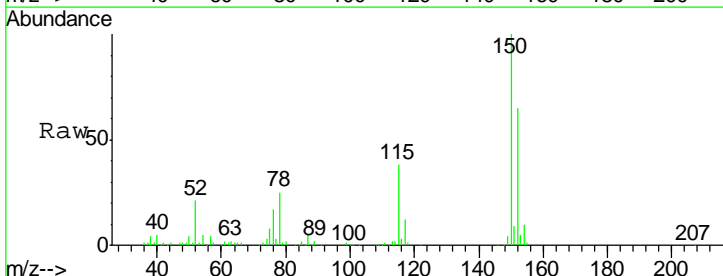
Instrument : MSVOA_N
 ClientSampled : 938-FB052218

Tgt Ion	Resp	Lower	Upper
117	387825		
82	55.1	42.8	64.2
119	31.6	26.0	39.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048789.D
 Acq: 31 May 2018 14:10

Tgt Ion	Resp	Lower	Upper
152	117725		
115	58.8	28.1	84.4
150	156.9	0.0	353.0



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048789.D
 Acq On : 31 May 2018 14:10
 Operator : MD\SY
 Sample : J3131-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 938-FB052218

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.661	10	22	41	rBV	257430	387281	20.16%	4.553%
2	1.992	116	125	137	rBV2	16052	28897	1.50%	0.340%
3	3.828	682	696	712	rVB2	8170	20591	1.07%	0.242%
4	4.551	902	921	940	rVB3	33222	98002	5.10%	1.152%
5	7.590	1848	1866	1878	rBV	264394	656572	34.18%	7.718%
6	7.667	1878	1890	1914	rVB	350295	825937	43.00%	9.709%
7	8.030	1982	2003	2028	rBV	264401	628654	32.73%	7.390%
8	8.252	2047	2072	2075	rBV3	11917	41877	2.18%	0.492%
9	8.587	2160	2176	2204	rBV2	483487	1059873	55.18%	12.459%
10	10.091	2629	2644	2678	rBV	1028468	1920678	100.00%	22.578%
11	11.410	3039	3054	3078	rBV	641760	1144644	59.60%	13.456%
12	12.403	3349	3363	3381	rBV	550075	948227	49.37%	11.147%
13	13.349	3644	3657	3673	rVB	430457	712299	37.09%	8.373%
14	13.455	3677	3690	3704	rBV3	20339	33308	1.73%	0.392%

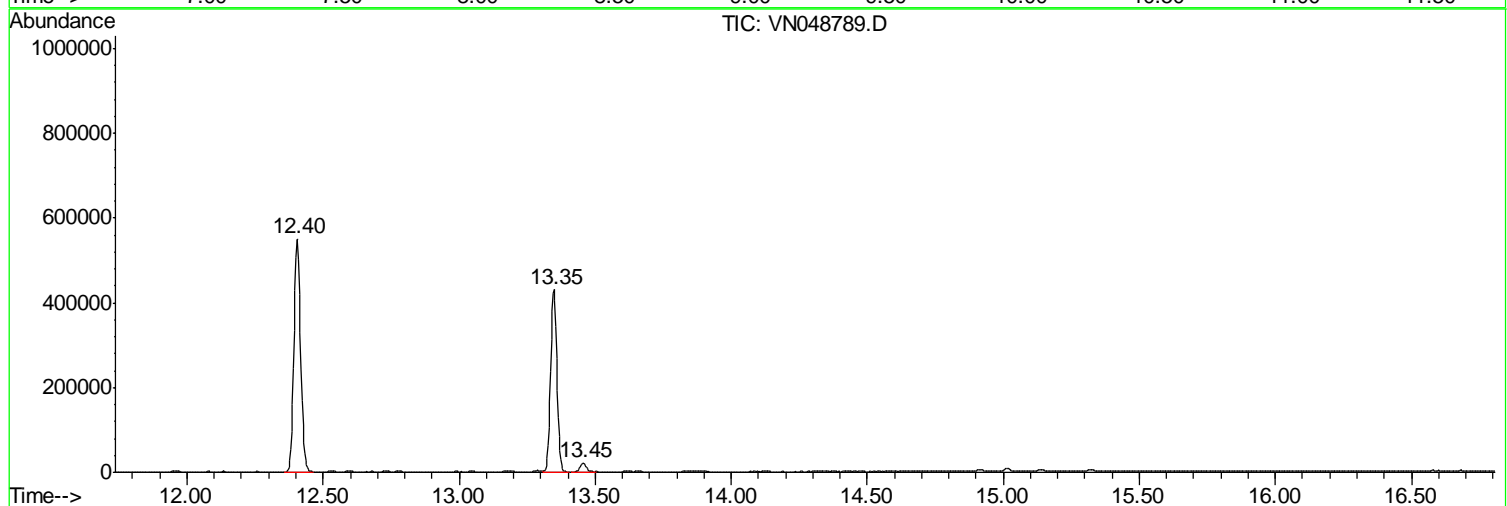
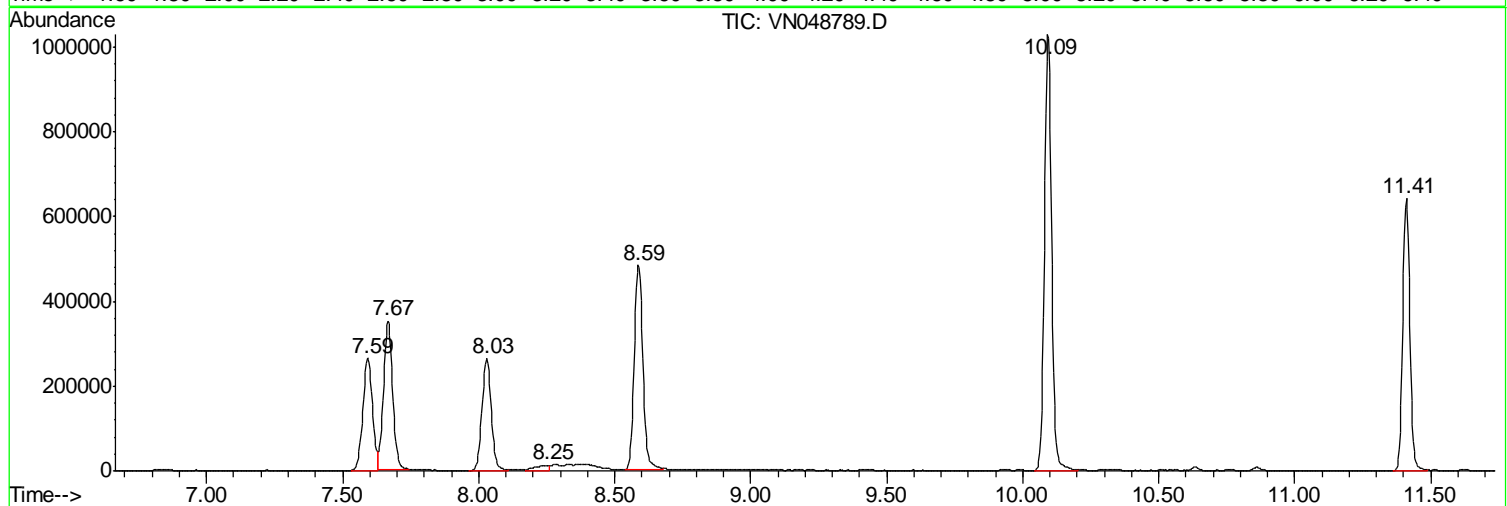
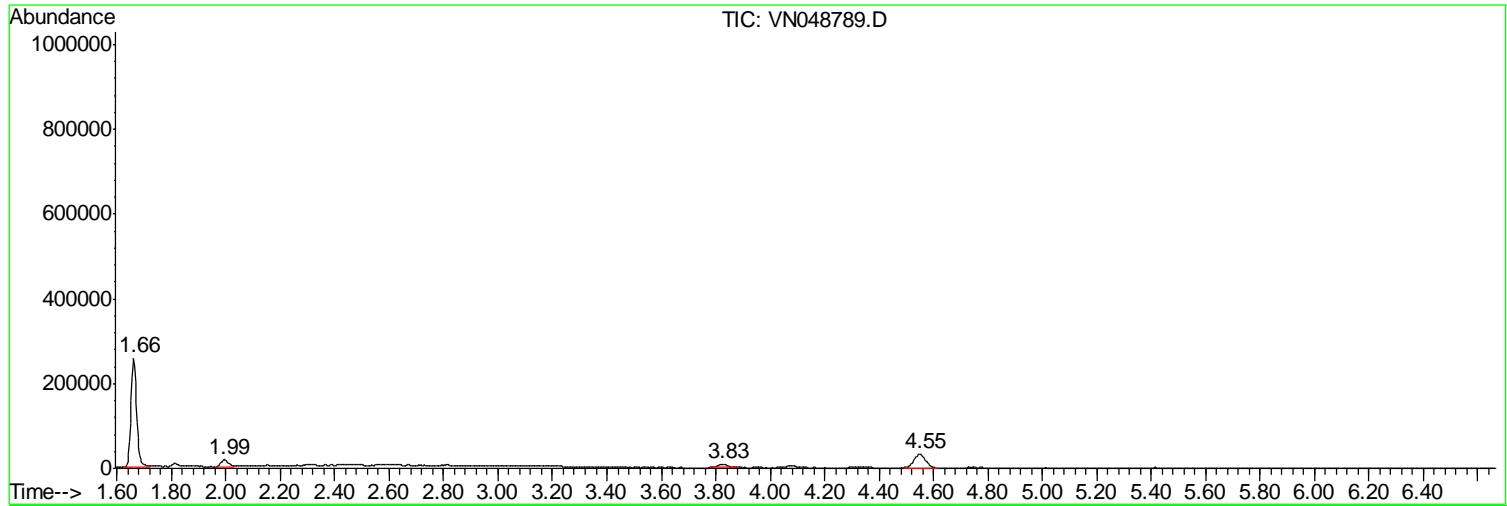
Sum of corrected areas: 8506840

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
Data File : VN048789.D
Acq On : 31 May 2018 14:10
Operator : MD\SY
Sample : J3131-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
938-FB052218

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053118\
Data File : VN048789.D
Acq On : 31 May 2018 14:10
Operator : MD\SY
Sample : J3131-12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
938-FB052218

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
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- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053118\
 Data File : VN048789.D
 Acq On : 31 May 2018 14:10
 Operator : MD\SY
 Sample : J3131-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 938-FB052218

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	939-TB052218	SDG No.:	J3131
Lab Sample ID:	J3131-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048750.D	1		05/30/18 19:17	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	939-TB052218	SDG No.:	J3131
Lab Sample ID:	J3131-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048750.D	1		05/30/18 19:17	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.9		61 - 141		84%	SPK: 50
1868-53-7	Dibromofluoromethane	42.3		69 - 133		85%	SPK: 50
2037-26-5	Toluene-d8	42.2		65 - 126		84%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.1		58 - 135		64%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	366603	7.67				
540-36-3	1,4-Difluorobenzene	569898	8.59				
3114-55-4	Chlorobenzene-d5	472010	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	140381	13.35				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	939-TB052218	SDG No.:	J3131
Lab Sample ID:	J3131-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048750.D	1		05/30/18 19:17	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048750.D
 Acq On : 30 May 2018 19:17
 Operator : MD\SY
 Sample : J3131-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 939-TB052218

Quant Time: May 31 08:01:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	366603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	569898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	472010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	140381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	223297	41.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.82%	
35) Dibromofluoromethane	7.59	113	203940	42.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.50%	
50) Toluene-d8	10.09	98	753474	42.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.46%	
62) 4-Bromofluorobenzene	12.40	95	197858	32.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.26%	

Target Compounds

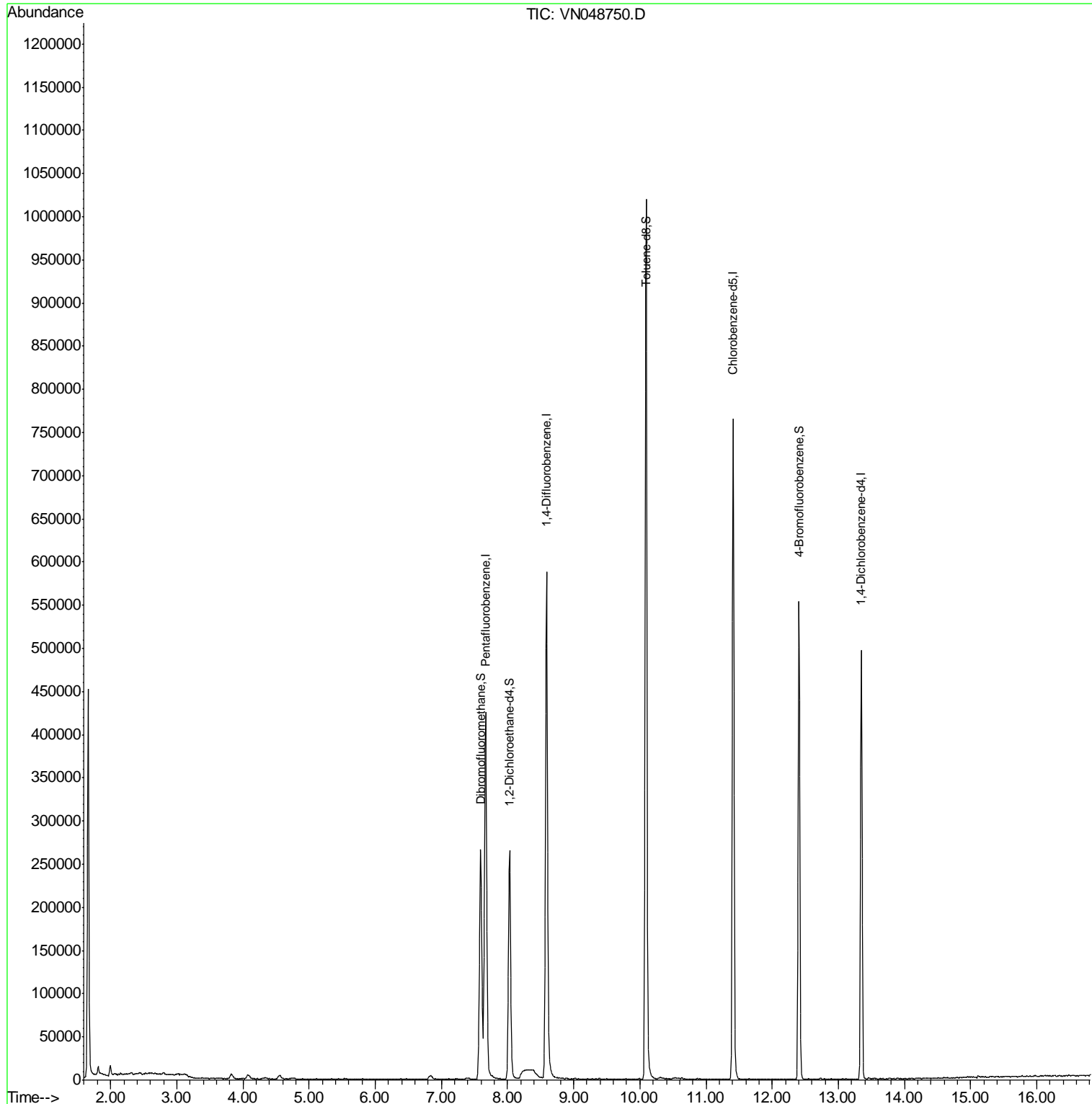
Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

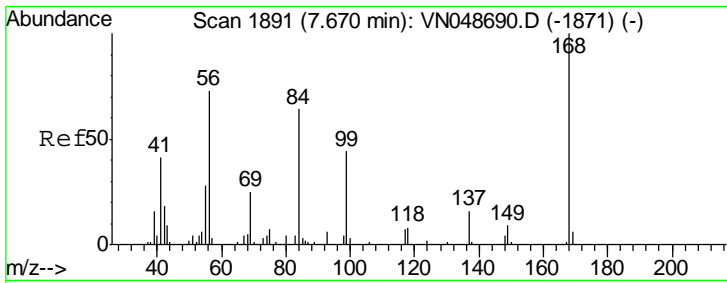
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048750.D
 Acq On : 30 May 2018 19:17
 Operator : MD\SY
 Sample : J3131-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 939-TB052218

Quant Time: May 31 08:01:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



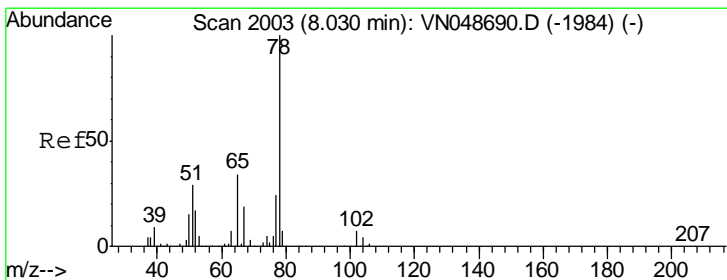
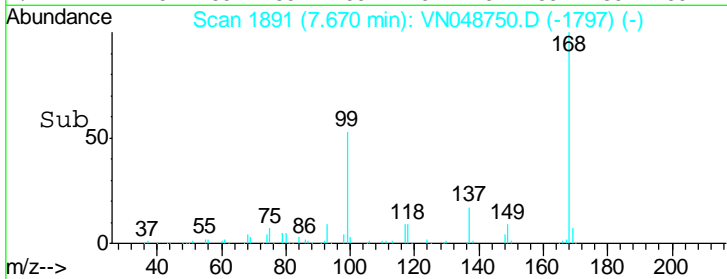
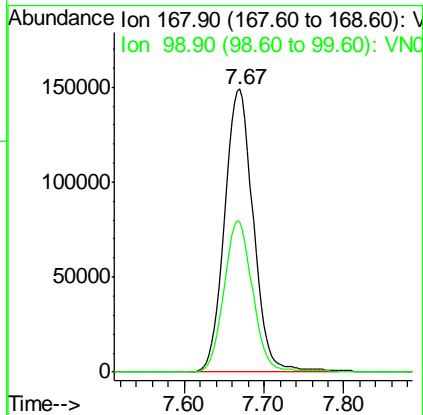
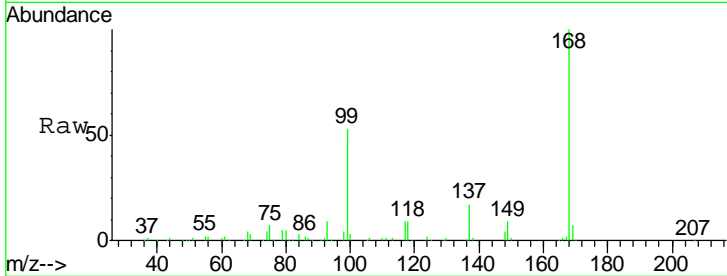
- 1
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- 3
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- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN048750.D
 Acq: 30 May 2018 19:17

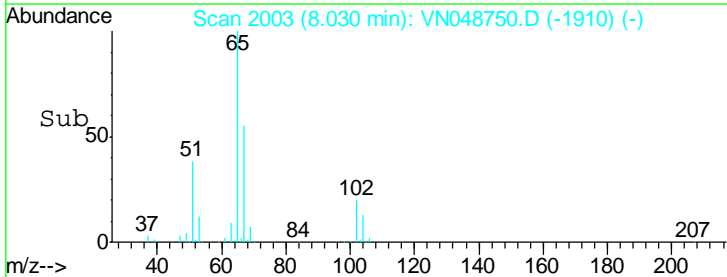
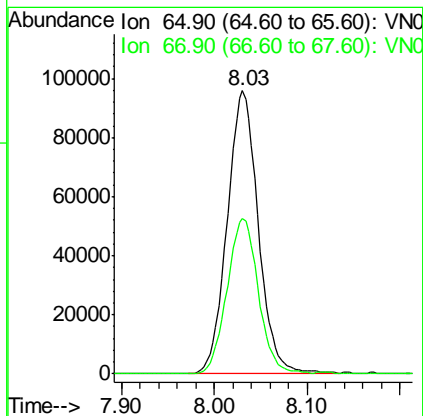
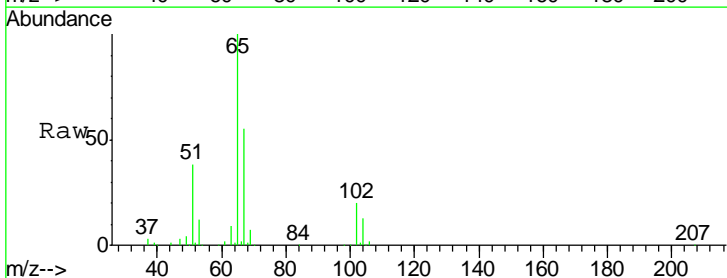
Instrument :
 MSVOA_N
 ClientSampled :
 939-TB052218

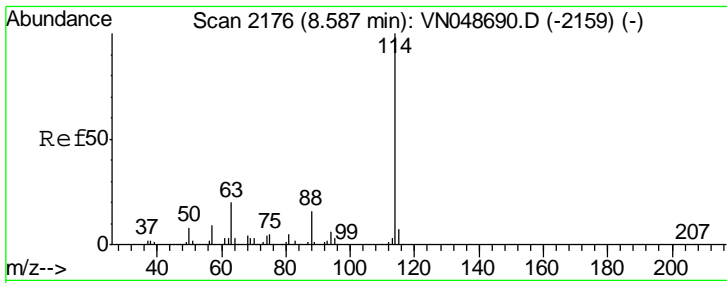
Tgt Ion	Resp	Lower	Upper
168	366603		
99	53.0	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 41.91 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048750.D
 Acq: 30 May 2018 19:17

Tgt Ion	Resp	Lower	Upper
65	223297		
67	55.3	0.0	108.4

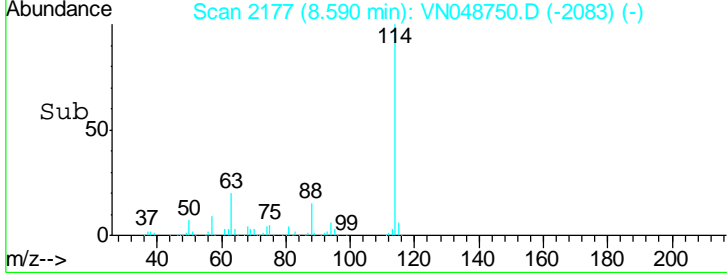
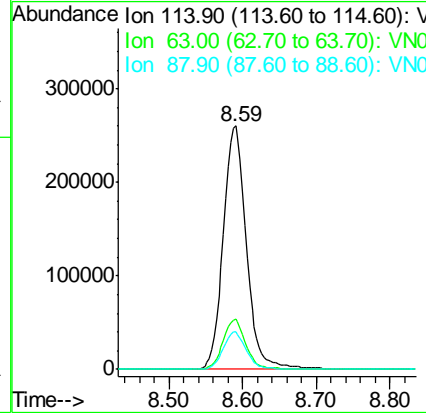
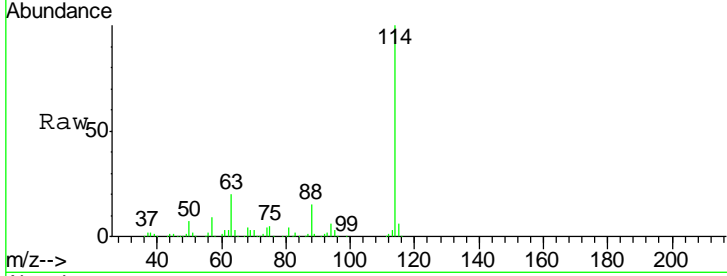




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048750.D
 Acq: 30 May 2018 19:17

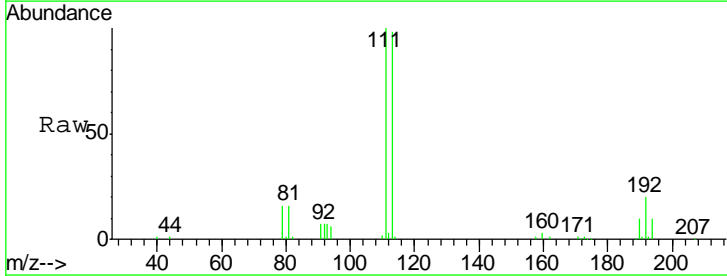
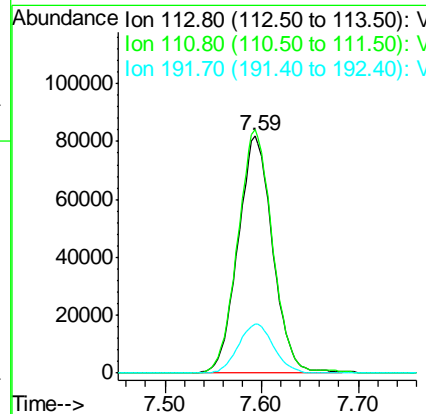
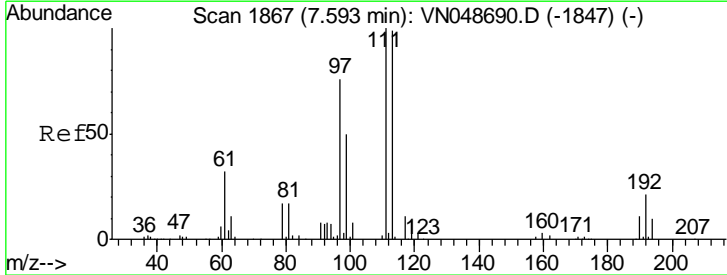
Instrument : MSVOA_N
 ClientSampled : 939-TB052218

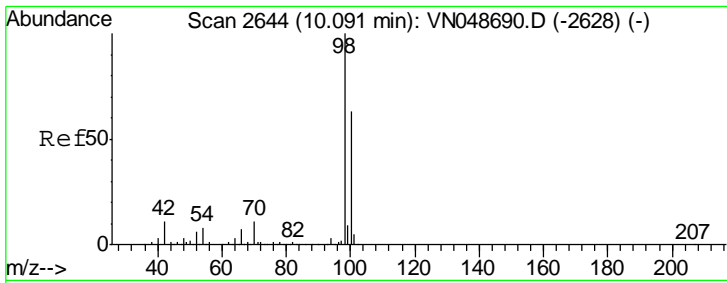
Tgt Ion	Resp	Lower	Upper
114	569898		
63	20.5	0.0	40.0
88	15.4	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 42.25 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048750.D
 Acq: 30 May 2018 19:17

Tgt Ion	Resp	Lower	Upper
113	203940		
111	102.7	81.7	122.5
192	21.1	17.6	26.4

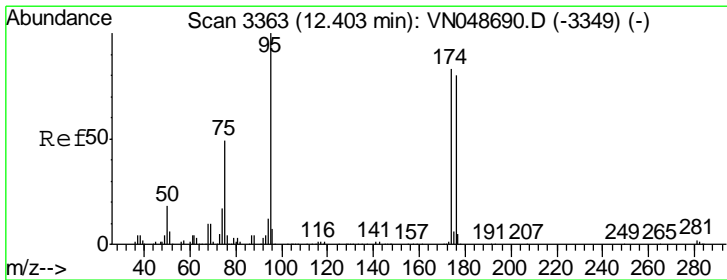
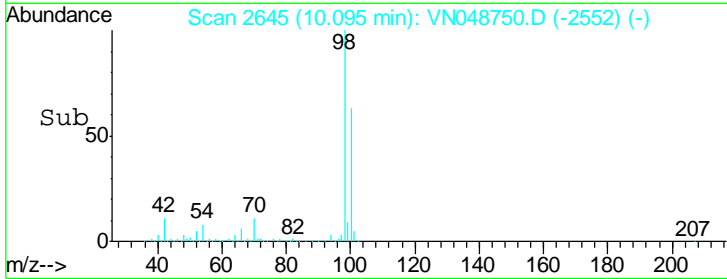
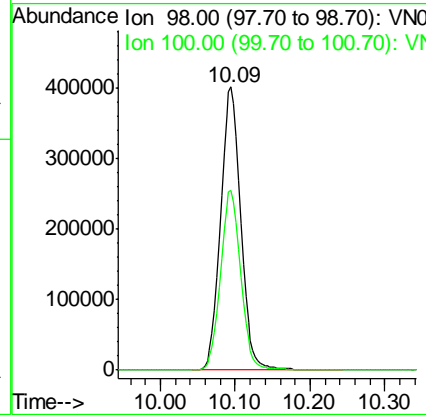
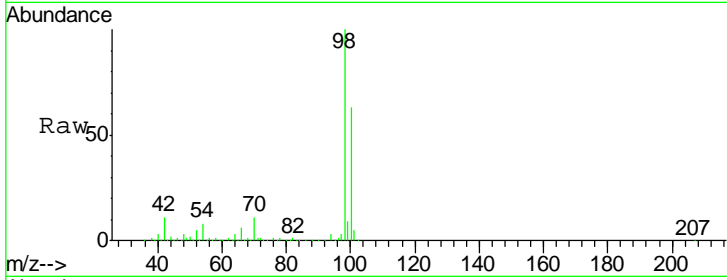




#50
 Toluene-d8
 Concen: 42.23 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048750.D
 Acq: 30 May 2018 19:17

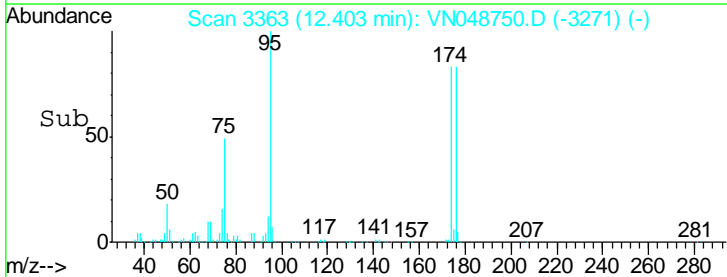
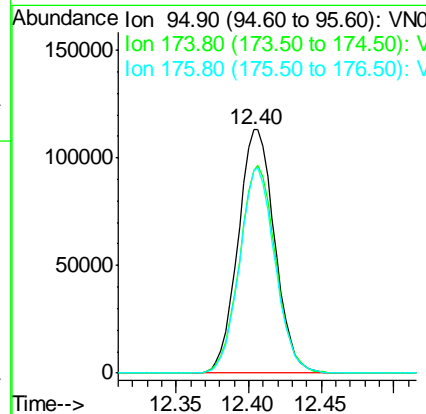
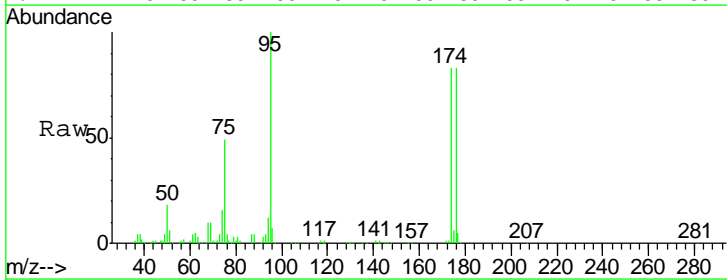
Instrument : MSVOA_N
 ClientSampled : 939-TB052218

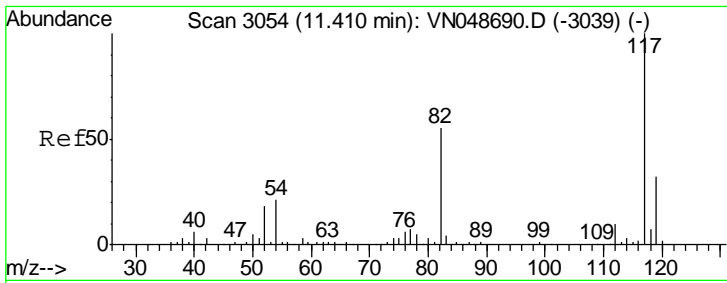
Tgt Ion: 98 Resp: 753474
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.2 76.8



#62
 4-Bromofluorobenzene
 Concen: 32.13 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048750.D
 Acq: 30 May 2018 19:17

Tgt Ion: 95 Resp: 197858
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 173.8
 176 81.7 0.0 170.0

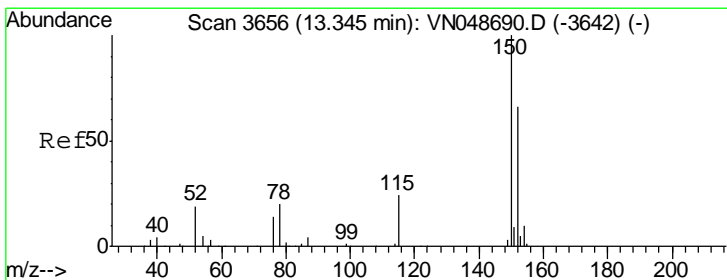
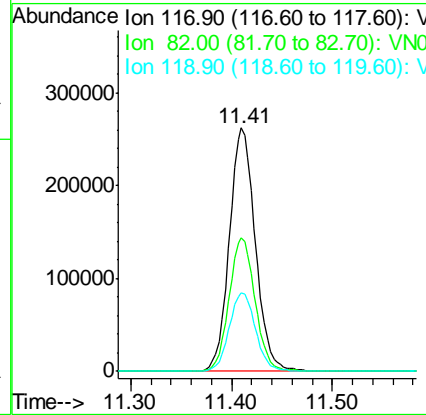
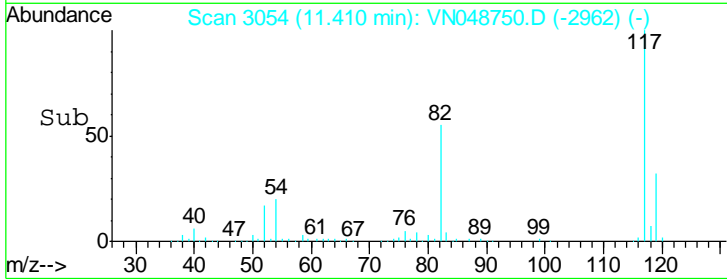
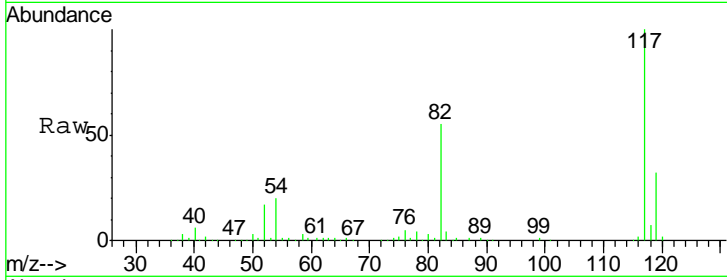




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048750.D
 Acq: 30 May 2018 19:17

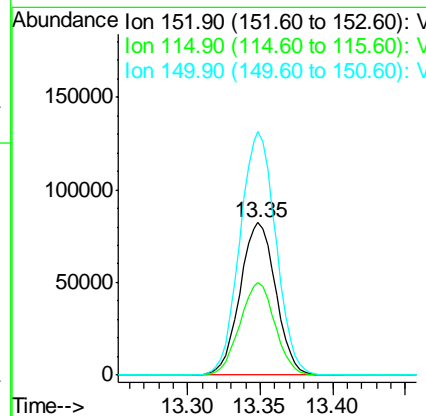
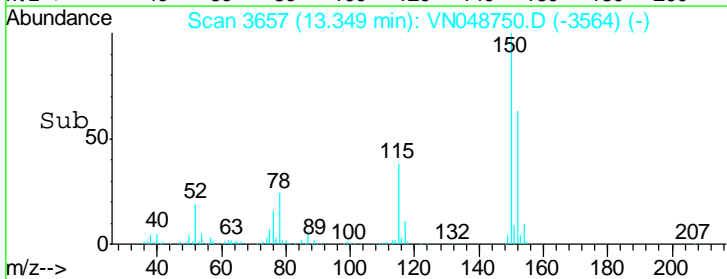
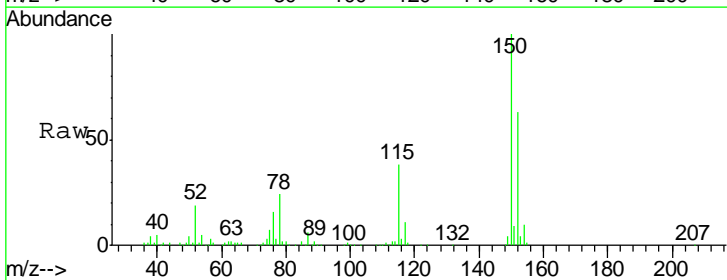
Instrument : MSVOA_N
 ClientSampled : 939-TB052218

Tgt Ion	Resp	Lower	Upper
117	472010		
82	55.0	42.8	64.2
119	32.4	26.0	39.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048750.D
 Acq: 30 May 2018 19:17

Tgt Ion	Resp	Lower	Upper
152	140381		
115	59.9	28.1	84.4
150	160.9	0.0	353.0



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048750.D
 Acq On : 30 May 2018 19:17
 Operator : MD\SY
 Sample : J3131-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 939-TB052218

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.661	3	22	44	rBV	450684	697087	36.19%	7.390%
2	1.995	117	126	139	rBV3	11818	21375	1.11%	0.227%
3	7.593	1848	1867	1878	rBV2	266452	654046	33.96%	6.933%
4	7.667	1878	1890	1915	rVB	421834	1014833	52.69%	10.758%
5	8.030	1986	2003	2035	rBV	264145	617413	32.06%	6.545%
6	8.255	2047	2073	2076	rBV4	10321	37047	1.92%	0.393%
7	8.590	2160	2177	2210	rBV	586219	1279586	66.43%	13.564%
8	10.095	2629	2645	2677	rBV	1018973	1926076	100.00%	20.418%
9	11.410	3036	3054	3080	rBV	765263	1379779	71.64%	14.627%
10	12.406	3351	3364	3381	rBV	553257	953694	49.51%	10.110%
11	13.349	3644	3657	3676	rBV	497101	852476	44.26%	9.037%

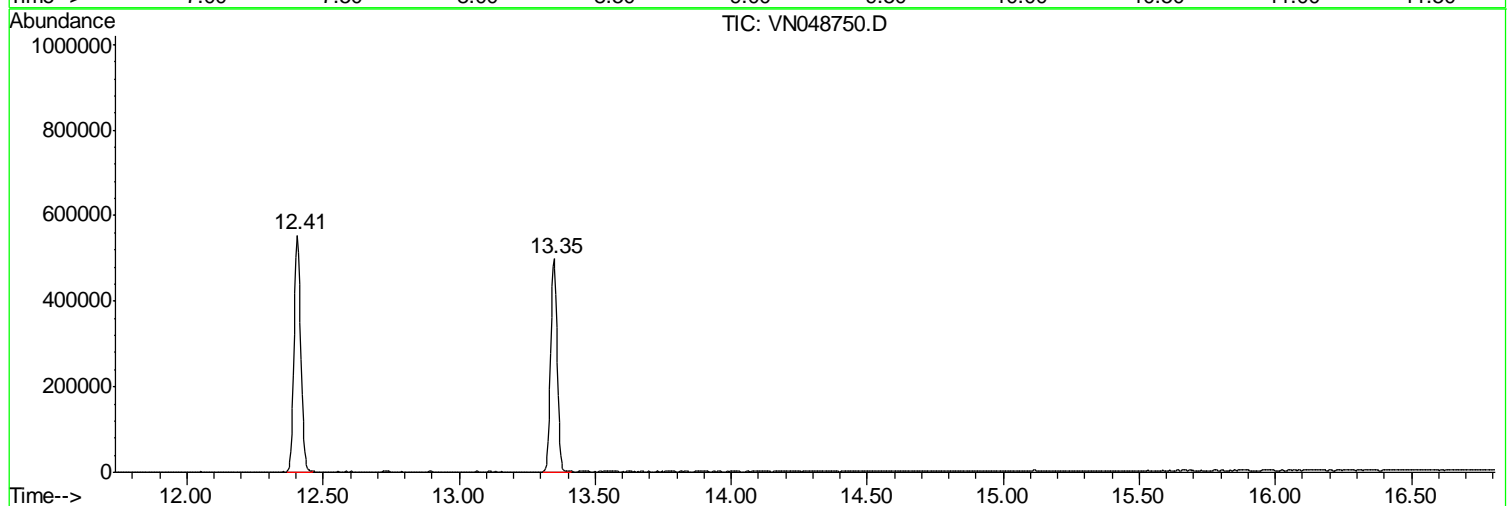
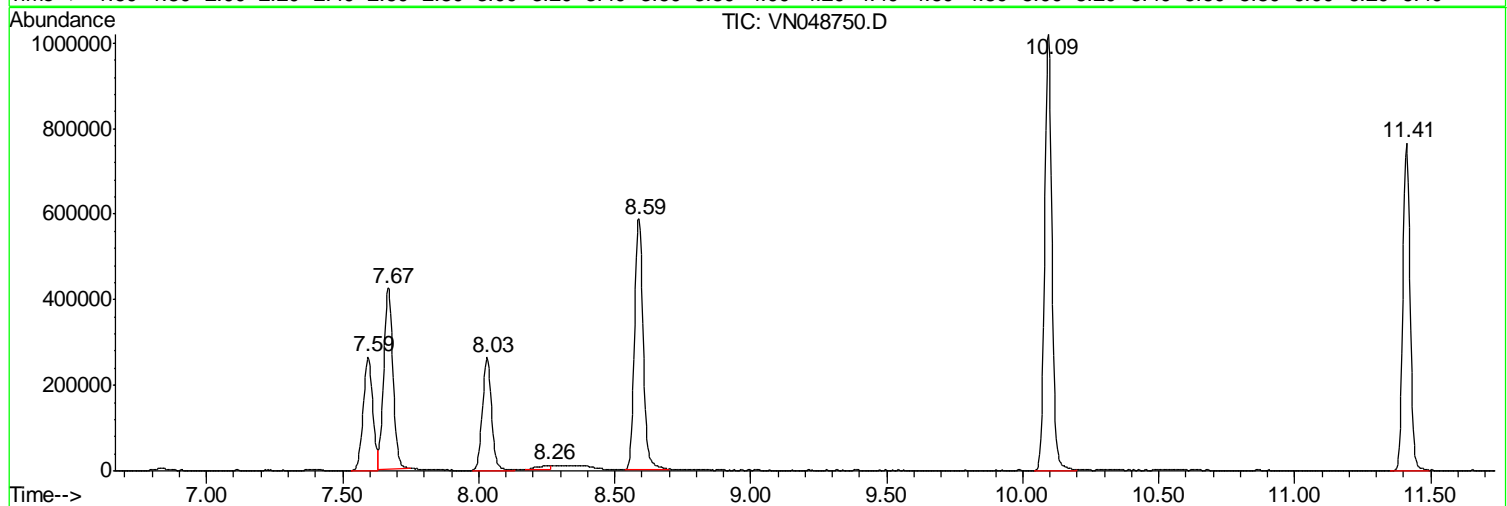
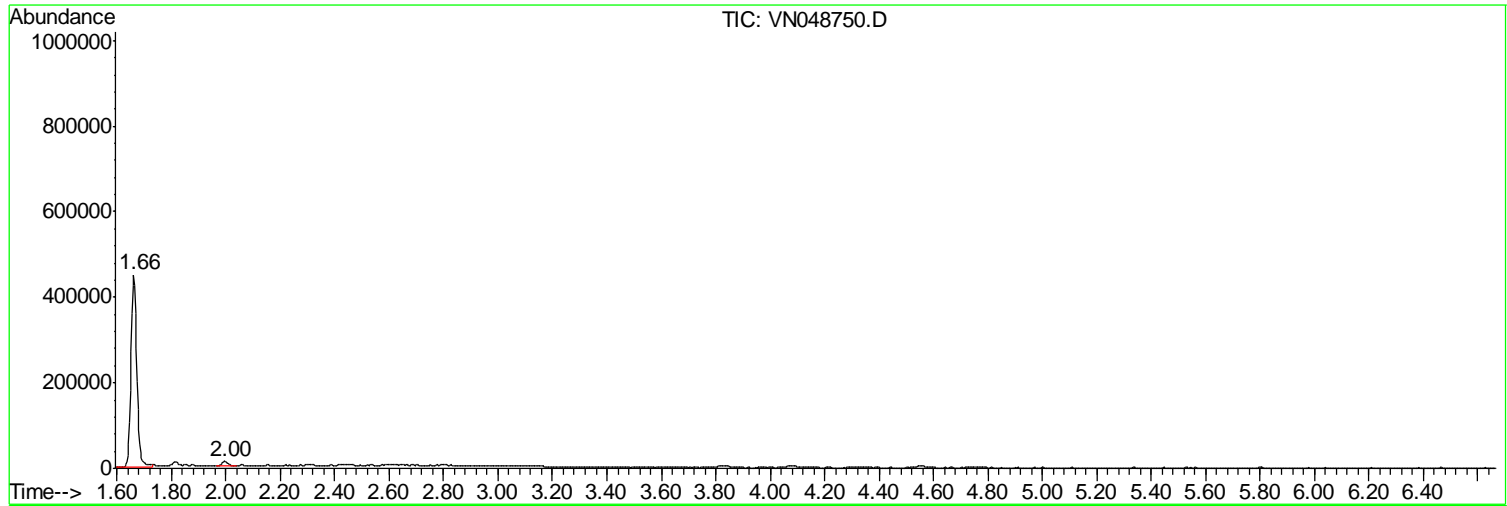
Sum of corrected areas: 9433412

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
Data File : VN048750.D
Acq On : 30 May 2018 19:17
Operator : MD\SY
Sample : J3131-13
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
939-TB052218

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
Data File : VN048750.D
Acq On : 30 May 2018 19:17
Operator : MD\SY
Sample : J3131-13
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
939-TB052218

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
 Data File : VN048750.D
 Acq On : 30 May 2018 19:17
 Operator : MD\SY
 Sample : J3131-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 939-TB052218

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

CALIBRATION SUMMARY

- 1
- 2
- 3
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- 7
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- 13
- 14
- 15
- 16

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG No.: J3131
 Instrument ID: MSVOA_N Calibration Date(s): 05/29/2018 05/29/2018
 Heated Purge: (Y/N) N Calibration Time(s): 10:48 12:56
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN048687.D	RRF005 = VN048688.D	RRF020 = VN048689.D	RRF050 = VN048690.D	RRF100 = VN048691.D	RRF150 = VN048692.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.727	0.850	0.614	0.597	0.588	0.589	0.661	16.1
Chloromethane	1.253	1.168	0.881	0.833	0.806	0.843	0.964	20.2
Vinyl Chloride	0.761	0.931	0.785	0.761	0.741	0.764	0.791	8.9
Bromomethane	0.399	0.423	0.384	0.415	0.419	0.422	0.410	3.8
Chloroethane	0.399	0.548	0.456	0.433	0.420	0.432	0.448	11.7
Trichlorofluoromethane	1.083	1.240	1.068	1.025	0.981	1.000	1.066	8.8
1,1,2-Trichlorotrifluoroethane	0.645	0.816	0.693	0.657	0.645	0.646	0.684	9.8
1,1-Dichloroethene	0.662	0.728	0.652	0.634	0.613	0.626	0.652	6.3
Acetone	0.260	0.235	0.195	0.181	0.177	0.174	0.204	17.4
Carbon Disulfide	2.270	2.390	2.070	2.036	1.990	2.042	2.133	7.5
Methyl tert-butyl Ether	1.587	1.922	1.819	1.790	1.777	1.811	1.784	6.1
Methyl Acetate	0.831	0.656	0.554	0.524	0.520	0.531	0.603	20.4
Methylene Chloride	0.854	0.897	0.766	0.734	0.718	0.717	0.781	9.8
trans-1,2-Dichloroethene	0.674	0.778	0.692	0.687	0.667	0.678	0.696	5.9
1,1-Dichloroethane	1.271	1.543	1.433	1.354	1.310	1.319	1.372	7.3
Cyclohexane	2.029	1.518	1.272	1.230	1.216	1.247	1.419	22.5
2-Butanone	0.258	0.303	0.281	0.271	0.275	0.276	0.277	5.4
Carbon Tetrachloride	0.653	0.788	0.720	0.694	0.683	0.696	0.706	6.5
cis-1,2-Dichloroethene	0.700	0.885	0.808	0.774	0.763	0.781	0.785	7.7
Bromochloromethane	0.254	0.365	0.700	0.655	0.605	0.624	0.534	33.8
Chloroform	1.218	1.500	1.351	1.307	1.262	1.278	1.319	7.5
1,1,1-Trichloroethane	1.025	1.302	1.173	1.149	1.110	1.136	1.149	7.9
Methylcyclohexane	0.621	0.802	0.755	0.761	0.774	0.794	0.751	8.8
Benzene	1.778	2.236	2.055	2.022	1.994	2.011	2.016	7.3
1,2-Dichloroethane	0.573	0.690	0.641	0.624	0.624	0.624	0.629	6
Trichloroethene	0.450	0.565	0.525	0.525	0.522	0.525	0.519	7.2
1,2-Dichloropropane	0.462	0.609	0.573	0.554	0.544	0.549	0.549	8.8
Bromodichloromethane	0.633	0.752	0.706	0.678	0.673	0.688	0.689	5.7
4-Methyl-2-Pentanone	0.329	0.425	0.419	0.406	0.418	0.416	0.402	9
Toluene	0.949	1.294	1.223	1.216	1.218	1.238	1.190	10.2
t-1,3-Dichloropropene	0.545	0.707	0.701	0.708	0.735	0.757	0.692	10.8
cis-1,3-Dichloropropene	0.647	0.853	0.823	0.824	0.833	0.850	0.805	9.7
1,1,2-Trichloroethane	0.358	0.463	0.442	0.436	0.429	0.435	0.427	8.4

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG No.: J3131
 Instrument ID: MSVOA_N Calibration Date(s): 05/29/2018 05/29/2018
 Heated Purge: (Y/N) N Calibration Time(s): 10:48 12:56
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN048687.D	RRF005 = VN048688.D	RRF020 = VN048689.D	RRF050 = VN048690.D	RRF100 = VN048691.D	RRF150 = VN048692.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.220	0.269	0.271	0.269	0.282	0.281	0.265	8.7
Dibromochloromethane	0.399	0.537	0.514	0.506	0.519	0.531	0.501	10.2
1,2-Dibromoethane	0.370	0.466	0.439	0.411	0.415	0.429	0.422	7.6
Tetrachloroethene	0.531	0.534	0.504	0.494	0.482	0.493	0.506	4.3
Chlorobenzene	1.301	1.586	1.511	1.471	1.448	1.469	1.464	6.4
Ethyl Benzene	2.172	2.657	2.609	2.572	2.575	2.624	2.535	7.1
m/p-Xylenes	0.764	0.969	1.005	0.997	0.994	1.005	0.956	9.9
o-Xylene	0.708	0.947	0.961	0.968	0.969	0.977	0.922	11.4
Styrene	1.060	1.417	1.544	1.536	1.557	1.582	1.449	13.7
Bromoform	0.293	0.369	0.365	0.360	0.372	0.381	0.356	9
Isopropylbenzene	4.129	5.225	4.698	4.359	4.150	4.263	4.471	9.5
1,1,2,2-Tetrachloroethane	1.130	1.391	1.127	1.017	0.969	0.971	1.101	14.5
1,3-Dichlorobenzene	1.732	2.135	1.955	1.885	1.877	1.913	1.916	6.8
1,4-Dichlorobenzene	1.669	2.035	1.919	1.829	1.837	1.868	1.860	6.5
1,2-Dichlorobenzene	1.784	2.091	1.957	1.845	1.772	1.794	1.874	6.7
1,2-Dibromo-3-Chloropropane	0.150	0.185	0.175	0.161	0.152	0.159	0.163	8.4
1,2,4-Trichlorobenzene	0.526	0.649	0.865	0.925	0.957	1.060	0.830	24.4
1,2,3-Trichlorobenzene	0.622	0.744	0.890	0.926	0.923	1.004	0.852	16.6
1,2-Dichloroethane-d4	0.753	0.855	0.725	0.686	0.670	0.670	0.727	9.8
Dibromofluoromethane	0.372	0.487	0.437	0.423	0.413	0.410	0.423	8.9
Toluene-d8	1.372	1.814	1.576	1.540	1.543	1.546	1.565	9.1
4-Bromofluorobenzene	0.516	0.542	0.528	0.530	0.566	0.560	0.540	3.6

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : W:\HPCHEM1\MSVOA_N\METHODS\
 Method File : 82N052918W.M
 Title : SW846 8260
 Last Update : Wed May 30 01:24:39 2018
 Response Via : Initial Calibration

Calibration Files

1 =VN048687.D 5 =VN048688.D 20 =VN048689.D
 50 =VN048690.D 100 =VN048691.D 150 =VN048692.D

Compound	1	5	20	50	100	150	Avg	%RSD
-----ISTD-----								
1) I Pentafluorobenzene								
2) T Dichlorodifluorom	0.727	0.850	0.614	0.597	0.588	0.589	0.661	16.12
3) P Chloromethane	1.253	1.168	0.881	0.833	0.806	0.843	0.964	20.16
4) C Vinyl Chloride	0.761	0.931	0.785	0.761	0.741	0.764	0.791	8.88#
5) T Bromomethane	0.399	0.423	0.384	0.415	0.419	0.422	0.410	3.76
6) T Chloroethane	0.399	0.548	0.456	0.433	0.420	0.432	0.448	11.74
7) T Trichlorofluorome	1.083	1.240	1.068	1.025	0.981	1.000	1.066	8.79
8) T Diethyl Ether	0.374	0.433	0.396	0.390	0.385	0.392	0.395	5.10
9) T 1,1,2-Trichlorotr	0.645	0.816	0.693	0.657	0.645	0.646	0.684	9.85
10) T Methyl Iodide		0.943	0.908	0.954	0.953	0.970	0.946	2.45
11) T Tert butyl alcoho		0.060	0.049	0.047	0.048	0.048	0.050	11.10
12) CM 1,1-Dichloroethen	0.662	0.728	0.652	0.634	0.613	0.626	0.652	6.30#
13) T Acrolein		0.050	0.074	0.076	0.077	0.079	0.071	16.85
14) T Allyl chloride	1.143	1.369	1.226	1.188	1.177	1.216	1.220	6.45
15) T Acrylonitrile	0.186	0.256	0.245	0.242	0.242	0.245	0.236	10.72
16) T Acetone	0.260	0.235	0.195	0.181	0.177	0.174	0.204	17.44
17) T Carbon Disulfide	2.270	2.390	2.070	2.036	1.990	2.042	2.133	7.48
18) T Methyl Acetate	0.831	0.656	0.554	0.524	0.520	0.531	0.603	20.40
19) T Methyl tert-butyl	1.587	1.922	1.819	1.790	1.777	1.811	1.784	6.14
20) T Methylene Chlorid	0.854	0.897	0.766	0.734	0.718	0.717	0.781	9.81
21) T trans-1,2-Dichlor	0.674	0.778	0.692	0.687	0.667	0.678	0.696	5.90
22) T Diisopropyl ether	2.005	2.533	2.428	2.348	2.302	2.349	2.328	7.64
23) T Vinyl Acetate	1.312	1.678	1.636	1.625	1.606	1.636	1.582	8.50
24) P 1,1-Dichloroethan	1.271	1.543	1.433	1.354	1.310	1.319	1.372	7.28
25) T 2-Butanone	0.258	0.303	0.281	0.271	0.275	0.276	0.277	5.41
26) T 2,2-Dichloropropa	1.113	1.306	1.175	1.106	1.072	1.081	1.142	7.70
27) T cis-1,2-Dichloroe	0.700	0.885	0.808	0.774	0.763	0.781	0.785	7.75
28) T Bromochloromethan	0.254	0.365	0.700	0.655	0.605	0.624	0.534	33.76
29) T Tetrahydrofuran	0.181	0.192	0.186	0.185	0.185	0.186	0.186	1.95
30) C Chloroform	1.218	1.500	1.351	1.307	1.262	1.278	1.319	7.52#
31) T Cyclohexane	2.029	1.518	1.272	1.230	1.216	1.247	1.419	22.51
32) T 1,1,1-Trichloroet	1.025	1.302	1.173	1.149	1.110	1.136	1.149	7.89
33) S 1,2-Dichloroethan	0.753	0.855	0.725	0.686	0.670	0.670	0.727	9.77
-----ISTD-----								
34) I 1,4-Difluorobenzene								
35) S Dibromofluorometh	0.372	0.487	0.437	0.423	0.413	0.410	0.423	8.90
36) T 1,1-Dichloroprope	0.638	0.751	0.696	0.684	0.684	0.693	0.691	5.22
37) T Ethyl Acetate	0.356	0.456	0.432	0.412	0.412	0.415	0.414	7.99
38) T Carbon Tetrachlor	0.653	0.788	0.720	0.694	0.683	0.696	0.706	6.49
39) T Methylcyclohexane	0.621	0.802	0.755	0.761	0.774	0.794	0.751	8.84
40) TM Benzene	1.778	2.236	2.055	2.022	1.994	2.011	2.016	7.27
41) T Methacrylonitrile	0.226	0.254	0.211	0.227	0.216	0.241	0.229	7.01
42) TM 1,2-Dichloroethan	0.573	0.690	0.641	0.624	0.624	0.624	0.629	5.99
43) T Isopropyl Acetate	0.654	0.812	0.781	0.779	0.773	0.781	0.763	7.23
44) TM Trichloroethene	0.450	0.565	0.525	0.525	0.522	0.525	0.519	7.22
45) C 1,2-Dichloropropa	0.462	0.609	0.573	0.554	0.544	0.549	0.549	8.84#
46) T Dibromomethane	0.267	0.335	0.321	0.306	0.309	0.309	0.308	7.33
47) T Bromodichlorometh	0.633	0.752	0.706	0.678	0.673	0.688	0.689	5.72
48) T Methyl methacryla	0.313	0.366	0.378	0.367	0.385	0.403	0.369	8.26
49) T 1,4-Dioxane	0.003	0.005	0.005	0.004	0.005	0.005	0.004	19.29
50) S Toluene-d8	1.372	1.814	1.576	1.540	1.543	1.546	1.565	9.07
51) T 4-Methyl-2-Pentan	0.329	0.425	0.419	0.406	0.418	0.416	0.402	9.03
52) CM Toluene	0.949	1.294	1.223	1.216	1.218	1.238	1.190	10.20#

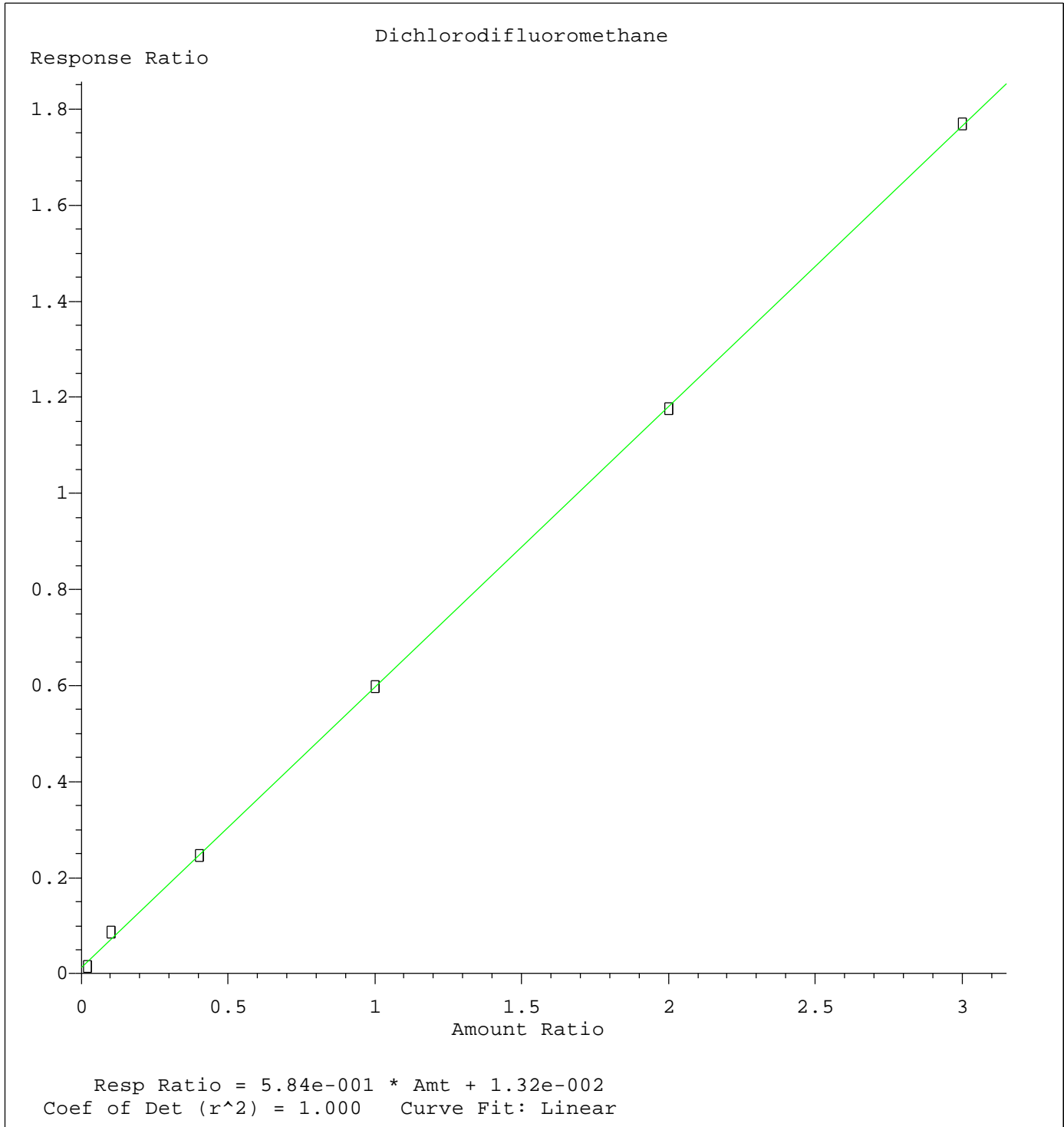
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 Method File : 82N052918W.M
 Title : SW846 8260
 Last Update : Wed May 30 01:24:39 2018
 Response Via : Initial Calibration

Calibration Files

1 =VN048687.D 5 =VN048688.D 20 =VN048689.D
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	Compound	1	5	20	50	100	150	Avg	%RSD
53)	T t-1,3-Dichloropro	0.545	0.707	0.701	0.708	0.735	0.757	0.692	10.84
54)	T cis-1,3-Dichlorop	0.647	0.853	0.823	0.824	0.833	0.850	0.805	9.72
55)	T 1,1,2-Trichloroet	0.358	0.463	0.442	0.436	0.429	0.435	0.427	8.41
56)	T Ethyl methacrylat	0.344	0.542	0.567	0.579	0.602	0.611	0.541	18.42
57)	T 1,3-Dichloropropa	0.621	0.828	0.768	0.756	0.763	0.766	0.750	9.12
58)	T 2-Chloroethyl Vin	0.100	0.185	0.197	0.211	0.226	0.233	0.192	25.20
59)	T 2-Hexanone	0.220	0.269	0.271	0.269	0.282	0.281	0.265	8.72
60)	T Dibromochlorometh	0.399	0.537	0.514	0.506	0.519	0.531	0.501	10.24
61)	T 1,2-Dibromoethane	0.370	0.466	0.439	0.411	0.415	0.429	0.422	7.62
62)	S 4-Bromofluorobenz	0.516	0.542	0.528	0.530	0.566	0.560	0.540	3.60
63)	I Chlorobenzene-d5	-----ISTD-----							
64)	T Tetrachloroethene	0.531	0.534	0.504	0.494	0.482	0.493	0.506	4.25
65)	PM Chlorobenzene	1.301	1.586	1.511	1.471	1.448	1.469	1.464	6.39
66)	T 1,1,1,2-Tetrachlo	0.503	0.600	0.571	0.549	0.538	0.546	0.551	5.91
67)	C Ethyl Benzene	2.172	2.657	2.609	2.572	2.575	2.624	2.535	7.12#
68)	T m/p-Xylenes	0.764	0.969	1.005	0.997	0.994	1.005	0.956	9.94
69)	T o-Xylene	0.708	0.947	0.961	0.968	0.969	0.977	0.922	11.44
70)	T Styrene	1.060	1.417	1.544	1.536	1.557	1.582	1.449	13.75
71)	P Bromoform	0.293	0.369	0.365	0.360	0.372	0.381	0.356	8.99
72)	I 1,4-Dichlorobenzene-d	-----ISTD-----							
73)	T Isopropylbenzene	4.129	5.225	4.698	4.359	4.150	4.263	4.471	9.47
74)	T N-amyl acetate	1.158	1.426	1.380	1.320	1.300	1.316	1.317	6.91
75)	P 1,1,2,2-Tetrachlo	1.130	1.391	1.127	1.017	0.969	0.971	1.101	14.46
76)	T 1,2,3-Trichloropr	0.918	1.051	0.852	0.822	0.797	0.740	0.863	12.64
77)	T Bromobenzene	1.078	1.250	1.114	1.043	1.010	1.027	1.087	8.10
78)	T n-propylbenzene	4.563	5.707	5.405	5.099	4.953	5.078	5.134	7.62
79)	T 2-Chlorotoluene	2.880	3.576	3.194	2.988	2.895	2.944	3.079	8.71
80)	T 1,3,5-Trimethylbe	3.084	4.075	3.796	3.592	3.502	3.571	3.603	9.13
81)	T trans-1,4-Dichlor	0.293	0.355	0.324	0.297	0.296	0.312	0.313	7.68
82)	T 4-Chlorotoluene	2.769	3.409	3.167	3.009	2.964	3.035	3.059	7.01
83)	T tert-Butylbenzene	3.003	3.672	3.324	3.107	3.007	3.112	3.204	8.02
84)	T 1,2,4-Trimethylbe	2.821	4.085	3.864	3.665	3.625	3.661	3.620	11.84
85)	T sec-Butylbenzene	3.582	4.816	4.450	4.244	4.187	4.221	4.250	9.47
86)	T p-Isopropyltoluen	2.922	3.940	3.810	3.670	3.674	3.733	3.625	9.90
87)	T 1,3-Dichlorobenze	1.732	2.135	1.955	1.885	1.877	1.913	1.916	6.84
88)	T 1,4-Dichlorobenze	1.669	2.035	1.919	1.829	1.837	1.868	1.860	6.46
89)	T n-Butylbenzene	2.375	3.198	3.104	3.143	3.197	3.256	3.046	10.92
90)	T Hexachloroethane	0.829	0.902	0.788	0.720	0.704	0.717	0.777	10.07
91)	T 1,2-Dichlorobenze	1.784	2.091	1.957	1.845	1.772	1.794	1.874	6.73
92)	T 1,2-Dibromo-3-Chl	0.150	0.185	0.175	0.161	0.152	0.159	0.163	8.36
93)	T 1,2,4-Trichlorobe	0.526	0.649	0.865	0.925	0.957	1.060	0.830	24.37
94)	T Hexachlorobutadie	0.708	0.701	0.591	0.568	0.516	0.530	0.602	13.88
95)	T Naphthalene	1.103	1.376	1.752	1.945	2.123	2.360	1.776	26.43
96)	T 1,2,3-Trichlorobe	0.622	0.744	0.890	0.926	0.923	1.004	0.852	16.55

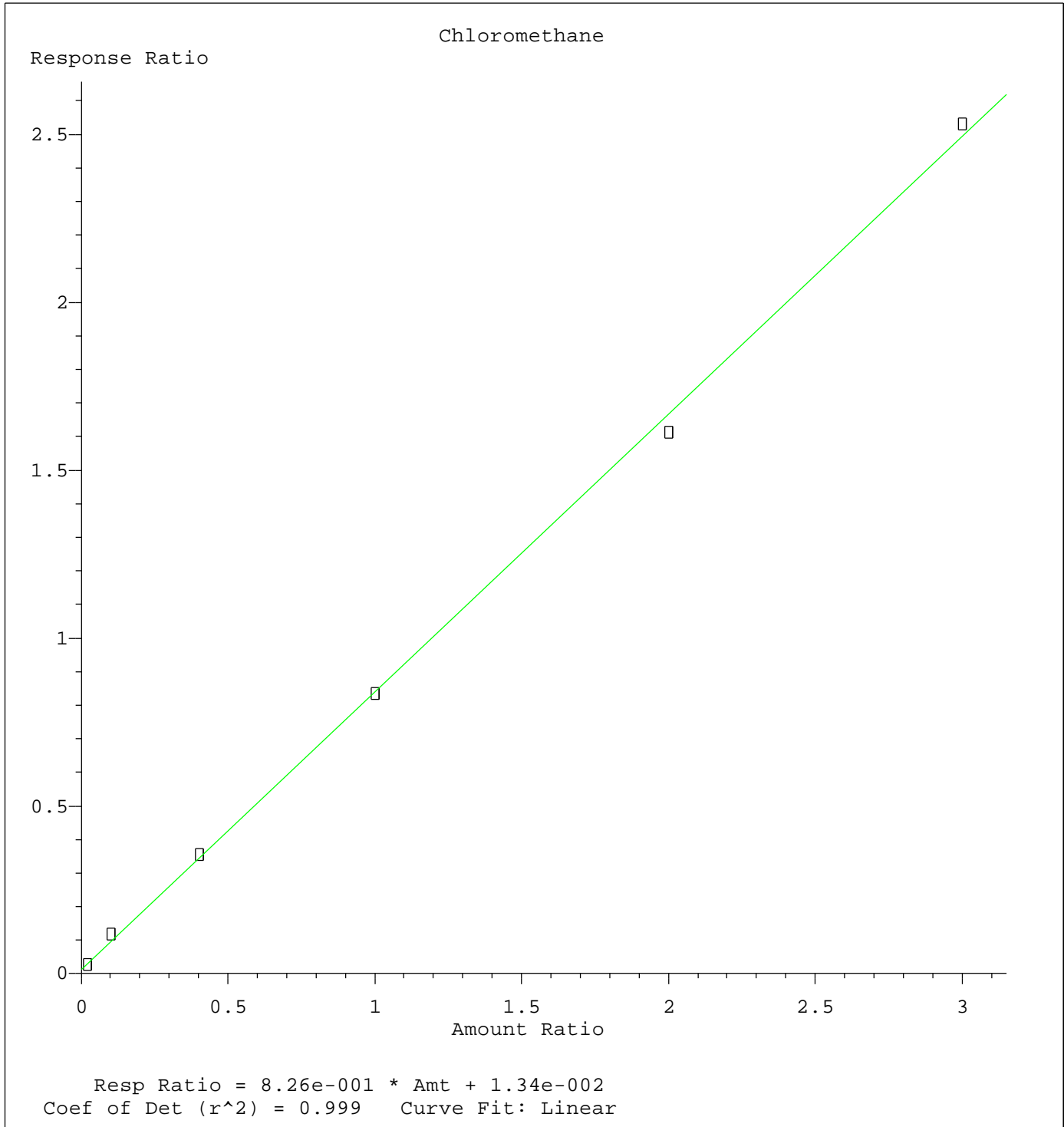
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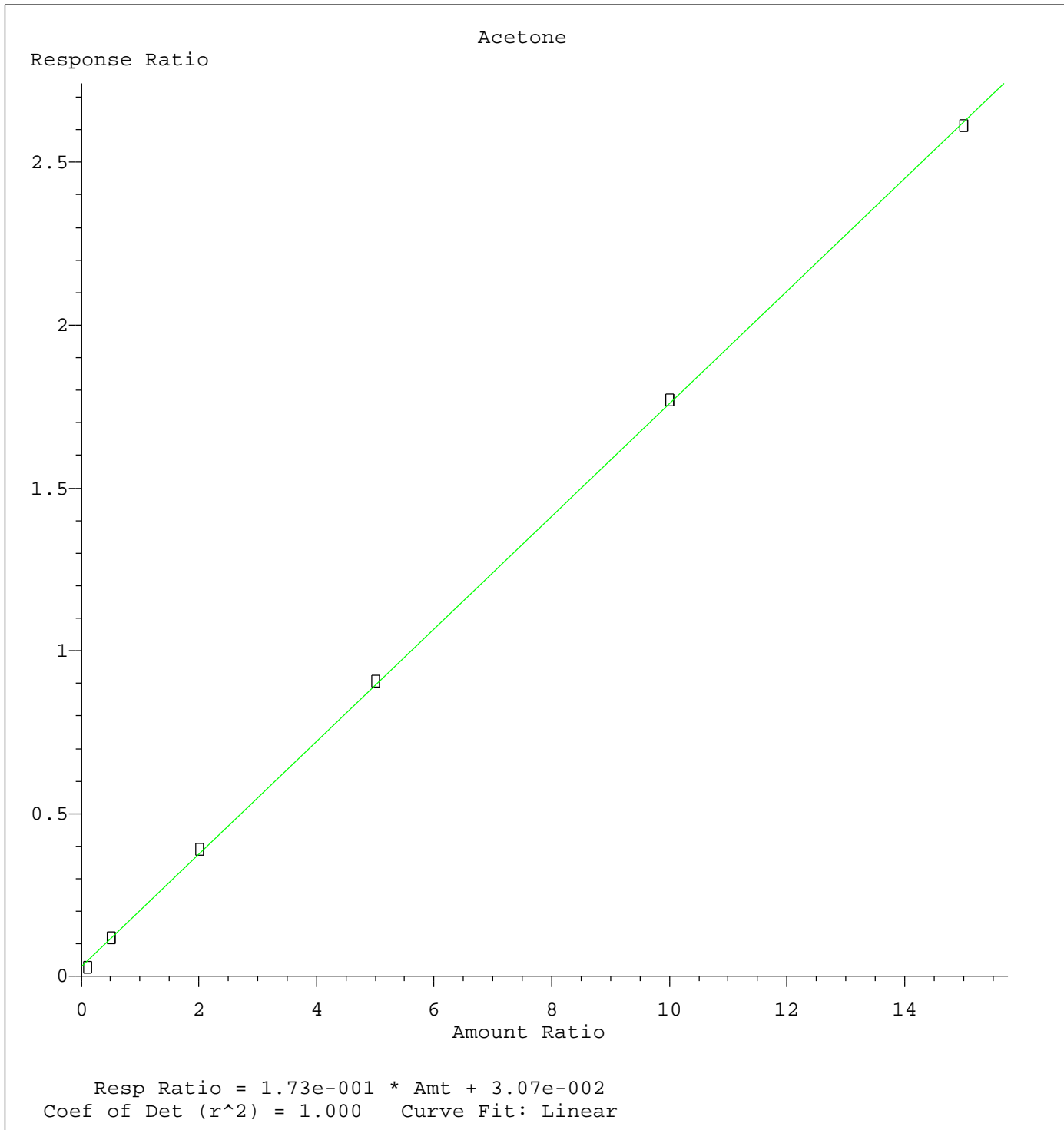
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Calibration Table Last Updated: Wed May 30 01:24:39 2018

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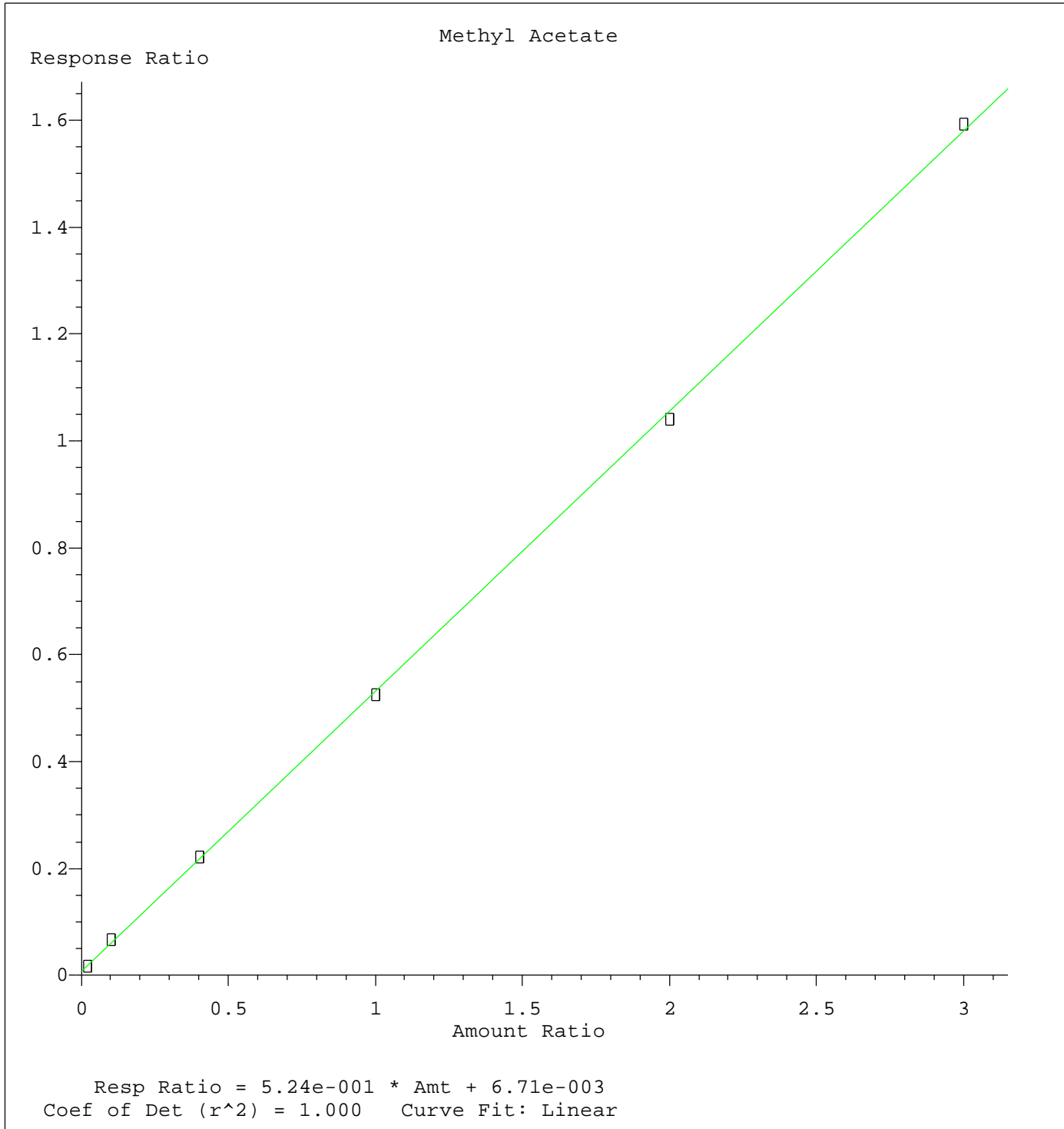
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Calibration Table Last Updated: Wed May 30 01:24:39 2018

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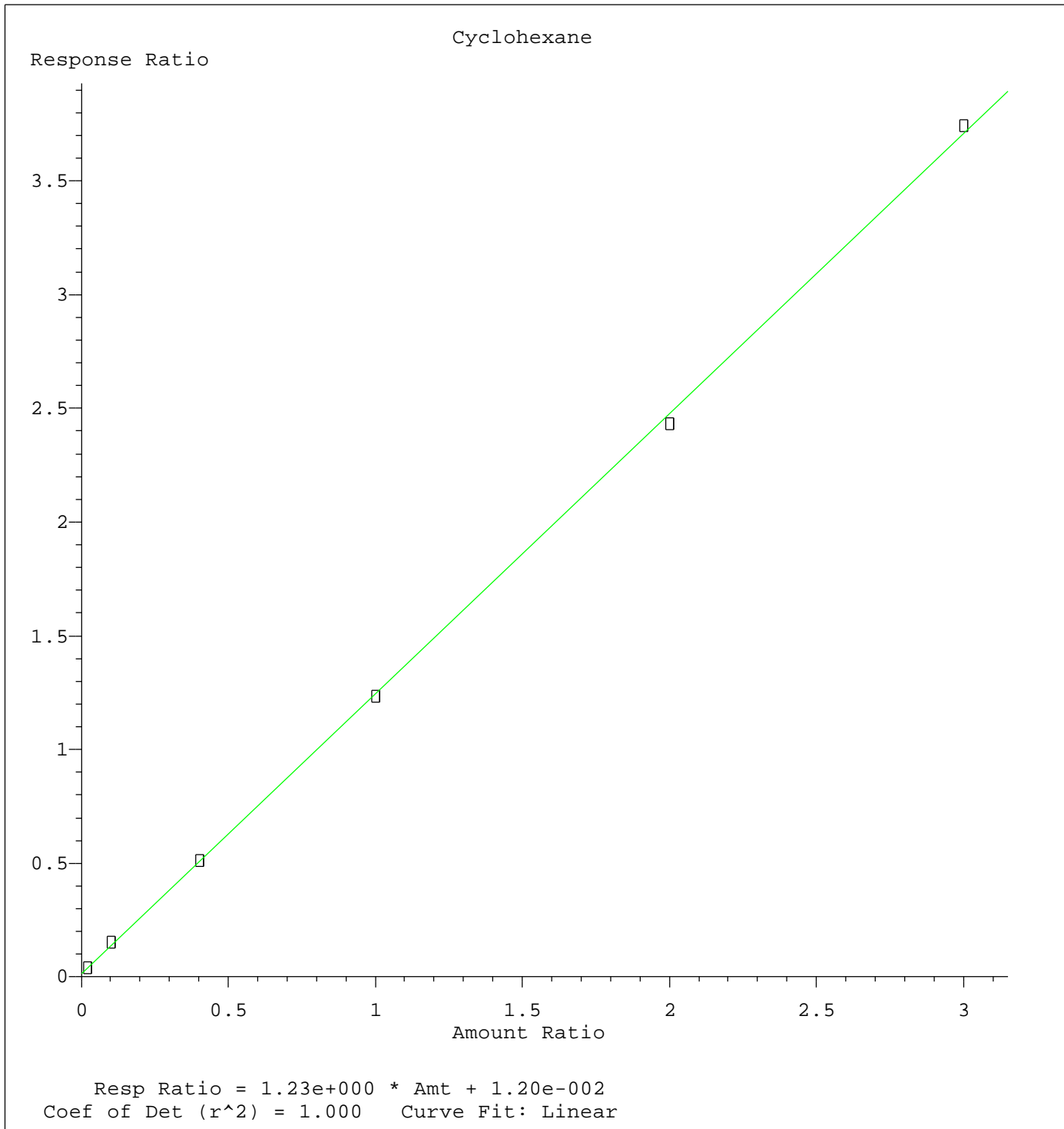
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Calibration Table Last Updated: Wed May 30 01:24:39 2018

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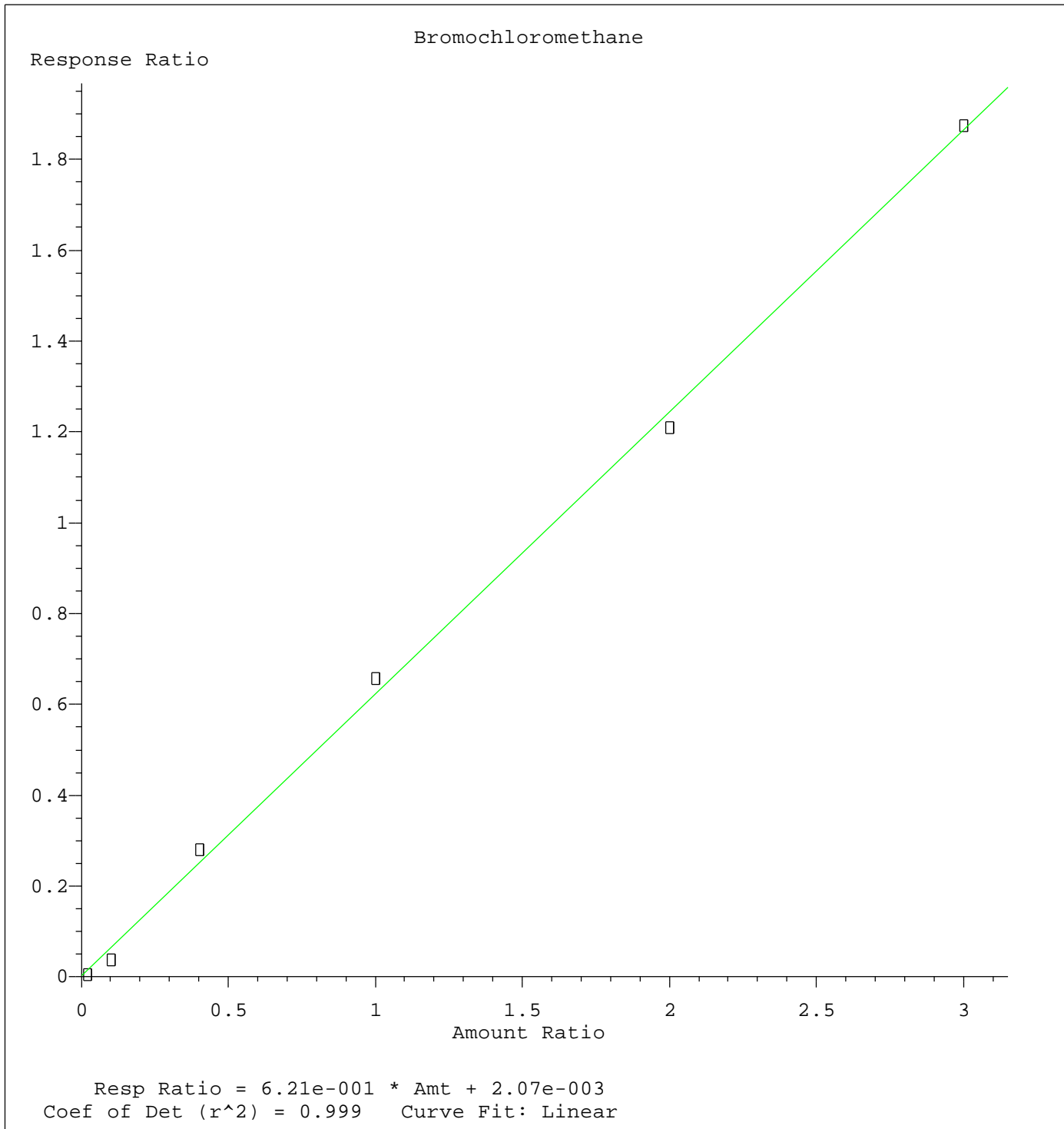
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Calibration Table Last Updated: Wed May 30 01:24:39 2018

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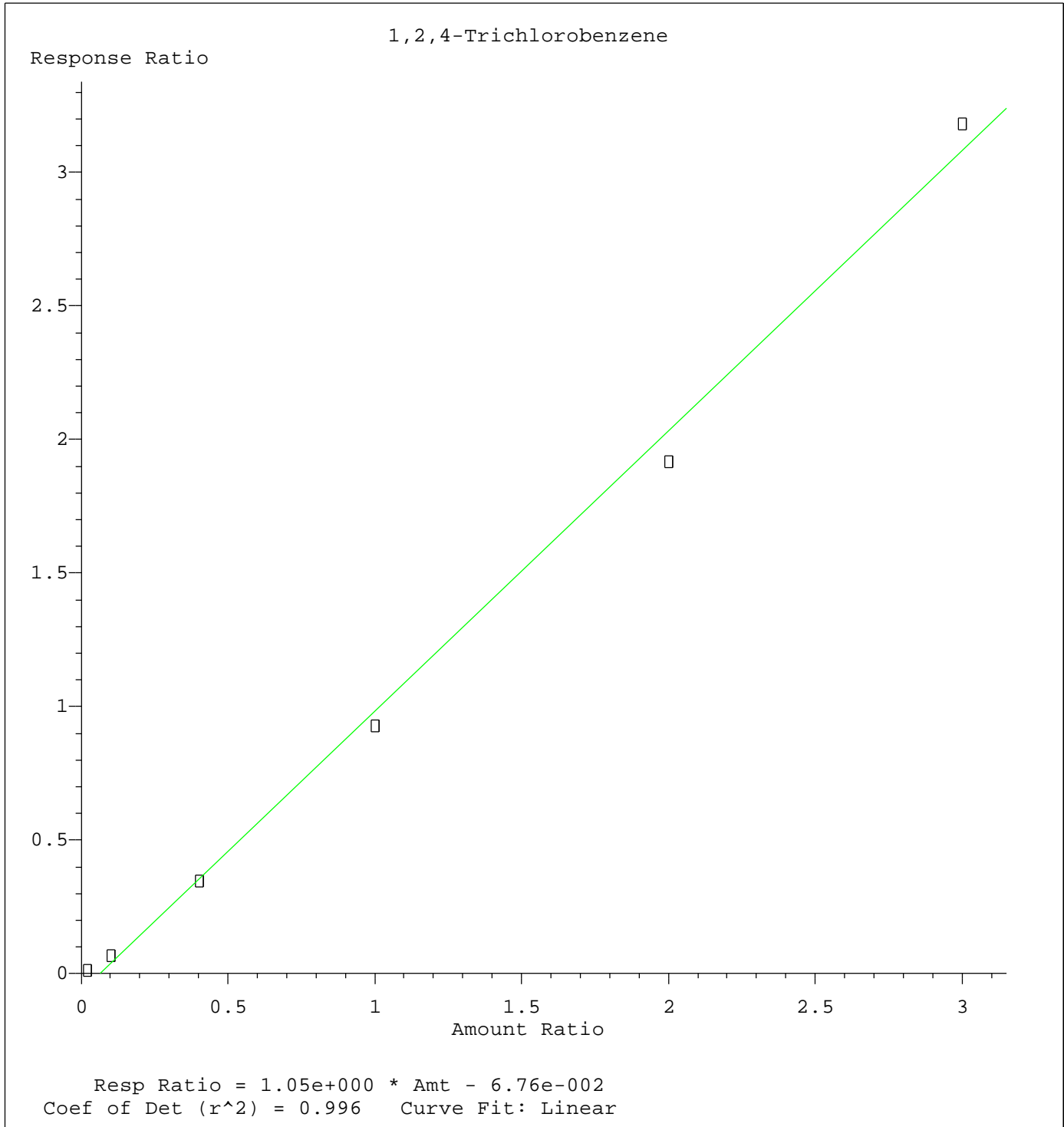
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Calibration Table Last Updated: Wed May 30 01:24:39 2018

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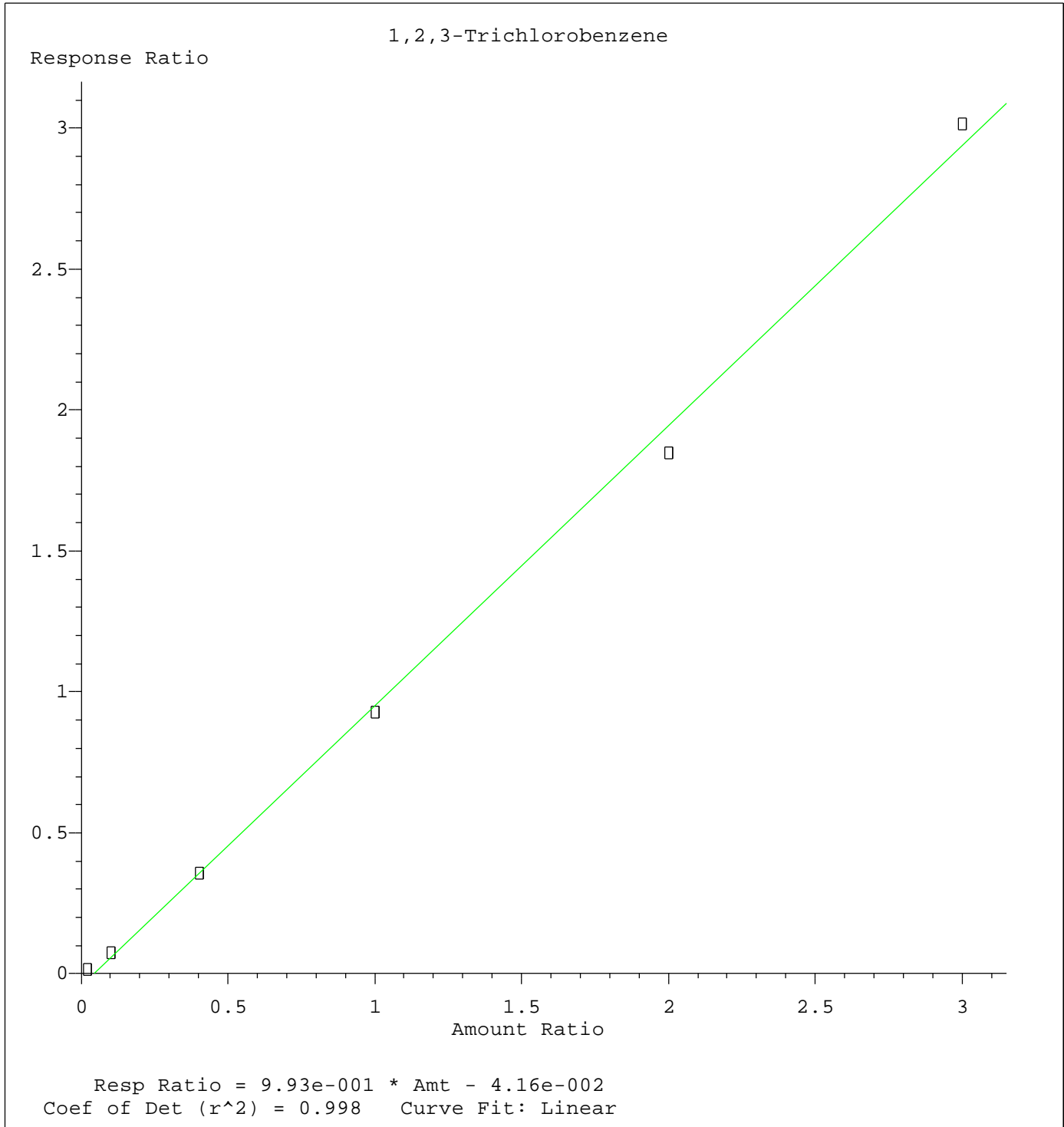
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Calibration Table Last Updated: Wed May 30 01:24:39 2018

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Method Name: W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Calibration Table Last Updated: Wed May 30 01:24:39 2018

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Method Name: W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Calibration Table Last Updated: Wed May 30 01:24:39 2018

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048687.D
 Acq On : 29 May 2018 10:48
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 11:12:33 AM

Quant Time: May 29 12:44:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	296570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	442571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	378691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	168152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	4465	0.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.58%	
35) Dibromofluoromethane	7.58	113	3293	0.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.42%	
50) Toluene-d8	10.09	98	12147	0.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.40%	
62) 4-Bromofluorobenzene	12.41	95	4566	0.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	4312	0.92	ug/l	99
3) Chloromethane	2.06	50	7432	1.17	ug/l	96
4) Vinyl Chloride	2.18	62	4515	0.84	ug/l	98
5) Bromomethane	2.57	94	2368	0.75	ug/l #	65
6) Chloroethane	2.71	64	2364	0.78	ug/l #	84
7) Trichlorofluoromethane	3.02	101	6424	0.89	ug/l	96
8) Diethyl Ether	3.41	74	2216	0.79	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3827	0.83	ug/l	97
12) 1,1-Dichloroethene	3.73	96	3926	0.93	ug/l	98
14) Allyl chloride	4.31	41	6782	0.83	ug/l #	51
15) Acrylonitrile	5.00	53	5503	2.61	ug/l #	91
16) Acetone	3.82	43	7698	3.77	ug/l	94
17) Carbon Disulfide	4.05	76	13463	0.98	ug/l	99
18) Methyl Acetate	4.34	43	4929	0.83	ug/l #	75
19) Methyl tert-butyl Ether	5.05	73	9411	0.73	ug/l	94
20) Methylene Chloride	4.56	84	5064m	0.94	ug/l	
21) trans-1,2-Dichloroethene	5.04	96	4000	0.87	ug/l #	73
22) Diisopropyl ether	5.95	45	11891	0.77	ug/l #	80
23) Vinyl Acetate	5.90	43	38907	3.51	ug/l	99
24) 1,1-Dichloroethane	5.85	63	7541	0.84	ug/l #	95
25) 2-Butanone	6.84	43	7646	2.81	ug/l	94
26) 2,2-Dichloropropane	6.83	77	6602	0.90	ug/l	80
27) cis-1,2-Dichloroethene	6.82	96	4150	0.80	ug/l	87
28) Bromochloromethane	7.19	49	1507	0.47	ug/l #	78
29) Tetrahydrofuran	7.21	42	5359	3.10	ug/l #	74
30) Chloroform	7.37	83	7222	0.83	ug/l	84
31) Cyclohexane	7.66	56	12033	1.32	ug/l #	44
32) 1,1,1-Trichloroethane	7.57	97	6078	0.80	ug/l #	49
36) 1,1-Dichloropropene	7.79	75	5650	0.87	ug/l	97
37) Ethyl Acetate	6.94	43	3152m	0.58	ug/l	
38) Carbon Tetrachloride	7.77	117	5780	0.86	ug/l	94
39) Methylcyclohexane	9.08	83	5496	0.76	ug/l	93
40) Benzene	8.04	78	15734	0.81	ug/l	95
41) Methacrylonitrile	7.19	41	2003	0.70	ug/l #	21

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048687.D
 Acq On : 29 May 2018 10:48
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 11:12:33 AM

Quant Time: May 29 12:44:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.13	62	5072m	0.80	ug/l	
43) Isopropyl Acetate	8.16	43	5790	0.62	ug/l #	84
44) Trichloroethene	8.83	130	3984	0.81	ug/l	97
45) 1,2-Dichloropropane	9.12	63	4093	0.77	ug/l	92
46) Dibromomethane	9.21	93	2365	0.73	ug/l	95
47) Bromodichloromethane	9.40	83	5607	0.85	ug/l	92
48) Methyl methacrylate	9.20	41	2773	0.61	ug/l	97
49) 1,4-Dioxane	9.20	88	454	7.52	ug/l #	43
51) 4-Methyl-2-Pentanone	9.99	43	14564	2.69	ug/l	94
52) Toluene	10.16	92	8403	0.73	ug/l	87
53) t-1,3-Dichloropropene	10.38	75	4826	0.71	ug/l #	83
54) cis-1,3-Dichloropropene	9.84	75	5731	0.75	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	3166	0.71	ug/l #	88
56) Ethyl methacrylate	10.43	69	3044	0.49	ug/l #	73
57) 1,3-Dichloropropane	10.71	76	5500	0.71	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	4431	3.73	ug/l	98
59) 2-Hexanone	10.76	43	9720	2.58	ug/l	89
60) Dibromochloromethane	10.90	129	3529	0.70	ug/l	96
61) 1,2-Dibromoethane	11.01	107	3276	0.71	ug/l	95
64) Tetrachloroethene	10.63	164	4021	0.97	ug/l	84
65) Chlorobenzene	11.44	112	9856	0.83	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	3808	0.87	ug/l #	61
67) Ethyl Benzene	11.51	91	16451	0.81	ug/l	97
68) m/p-Xylenes	11.62	106	11569	1.55	ug/l	95
69) o-Xylene	11.95	106	5359	0.73	ug/l	99
70) Styrene	11.97	104	8026	0.69	ug/l	97
71) Bromoform	12.13	173	2216	0.67	ug/l #	96
73) Isopropylbenzene	12.25	105	13885	0.85	ug/l	100
74) N-amyl acetate	12.08	43	3894	0.66	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.51	83	3800	0.76	ug/l	92
76) 1,2,3-Trichloropropane	12.55	75	3087m	0.82	ug/l	
77) Bromobenzene	12.53	156	3627	0.91	ug/l	93
78) n-propylbenzene	12.59	91	15347	0.82	ug/l	99
79) 2-Chlorotoluene	12.68	91	9686	0.85	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	10373	0.78	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	984	0.79	ug/l #	70
82) 4-Chlorotoluene	12.78	91	9313	0.84	ug/l	93
83) tert-Butylbenzene	12.99	119	10099	0.87	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	9487	0.72	ug/l	99
85) sec-Butylbenzene	13.17	105	12048	0.78	ug/l	99
86) p-Isopropyltoluene	13.29	119	9828	0.75	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	5825	0.86	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	5612m	0.83	ug/l	
89) n-Butylbenzene	13.62	91	7987	0.79	ug/l	93
90) Hexachloroethane	13.88	117	2789	0.96	ug/l	79
91) 1,2-Dichlorobenzene	13.66	146	6000	0.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	504	0.66	ug/l	74
93) 1,2,4-Trichlorobenzene	14.91	180	1768	0.68	ug/l #	90
94) Hexachlorobutadiene	15.02	225	2382	1.13	ug/l	87
95) Naphthalene	15.14	128	3711	0.53	ug/l	99

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048687.D
 Acq On : 29 May 2018 10:48
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampled :
 VSTDIC001

Manual Integrations
APPROVED
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 5/31/2018 11:12:33 AM

Quant Time: May 29 12:44:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	2093	0.76	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

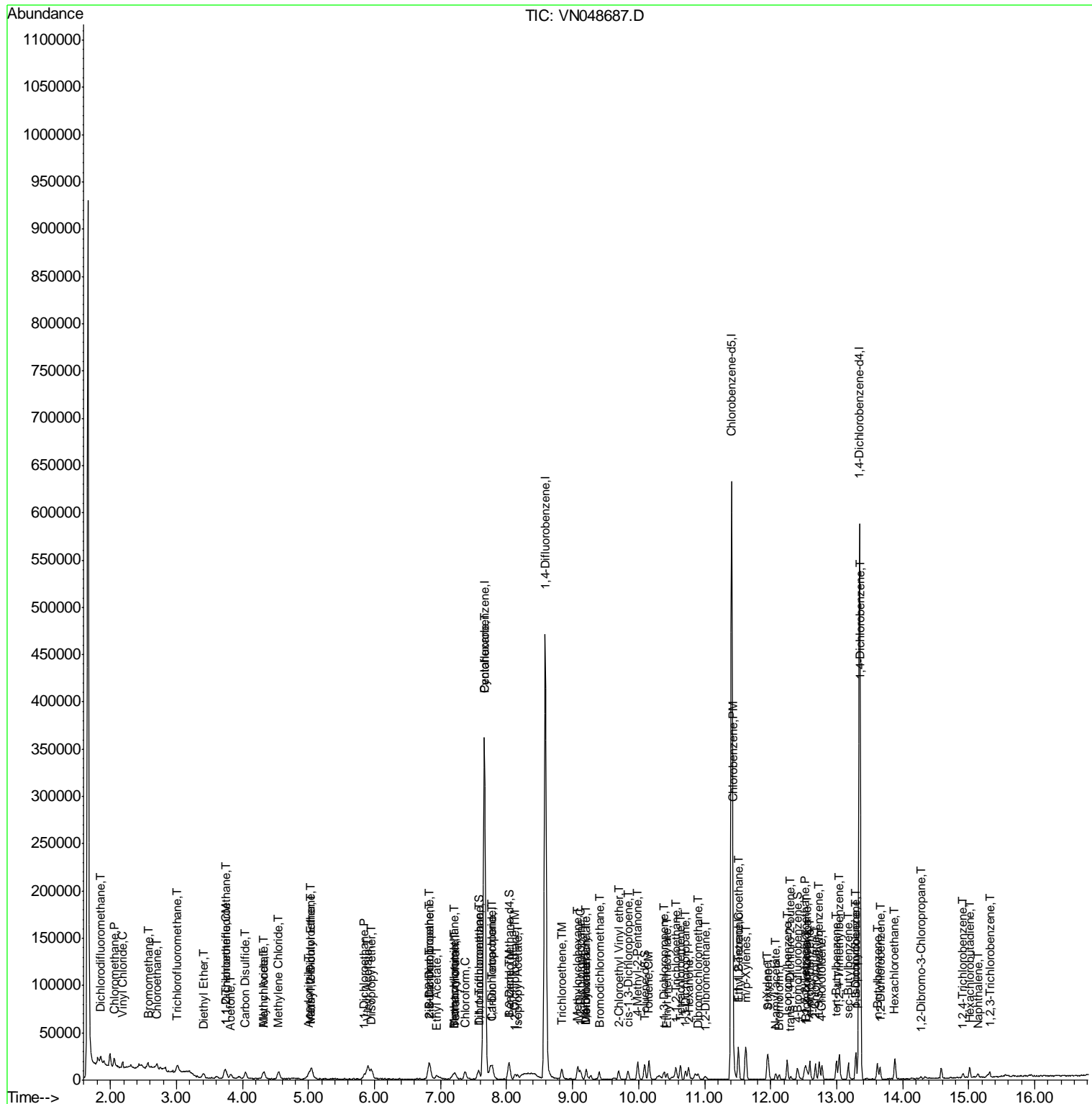
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Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
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 Acq On : 29 May 2018 10:48
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 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

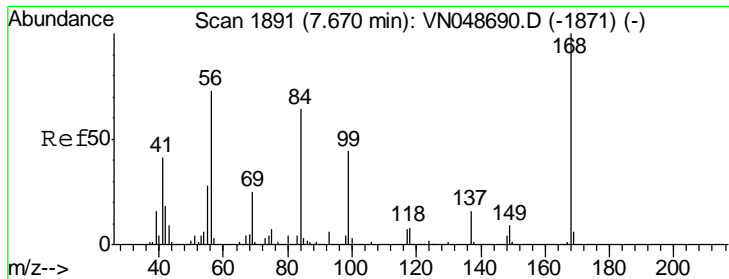
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC001

Manual Integrations
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 MMDadoda
 5/31/2018 11:12:33 AM

Quant Time: May 29 12:44:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



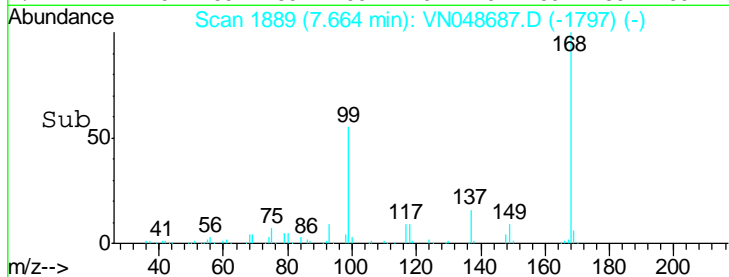
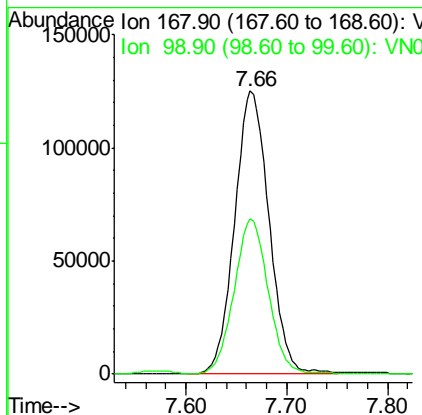
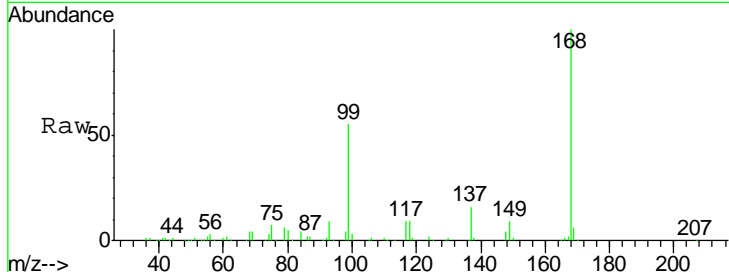
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
168	100		
99	54.6	40.8	61.2

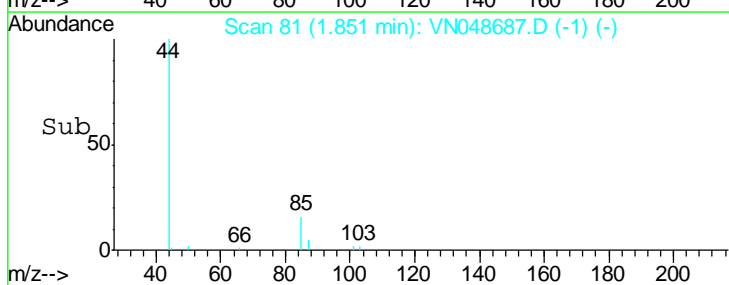
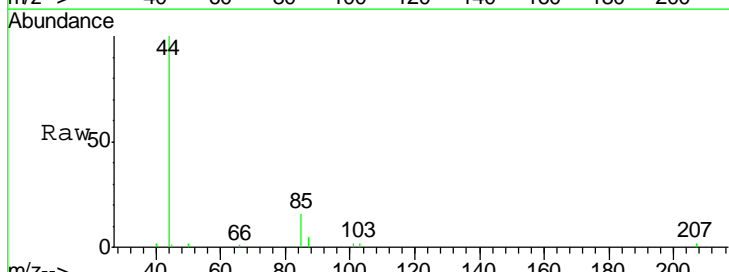
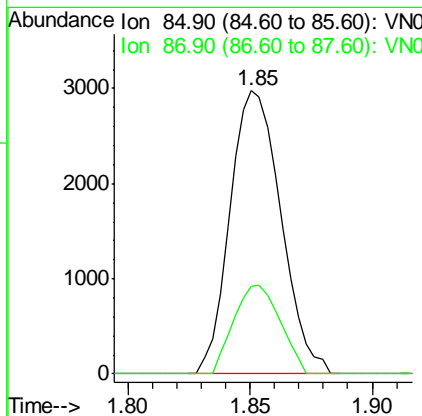
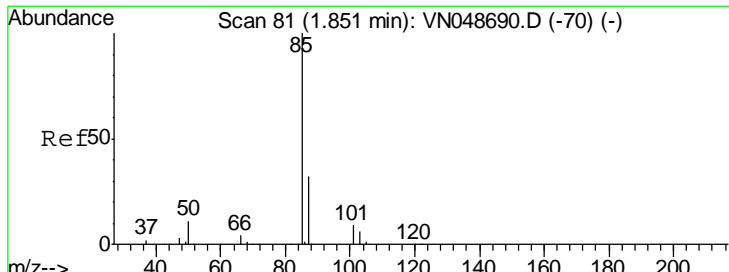
Manual Integrations
 APPROVED

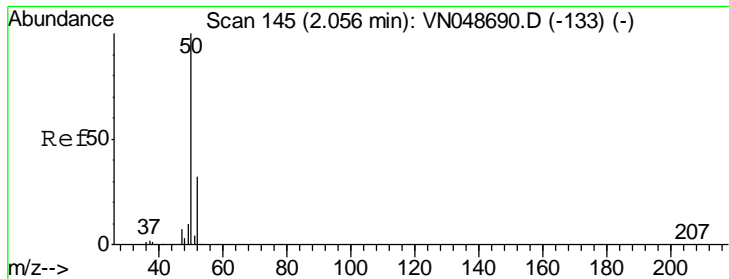
MMDadoda
 5/31/2018 11:12:33 AM



#2
 Dichlorodifluoromethane
 Concen: 0.92 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.0	15.9	47.7





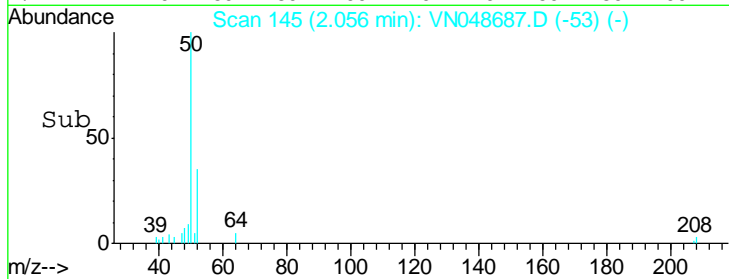
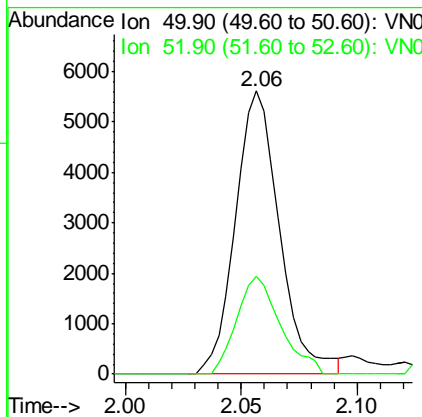
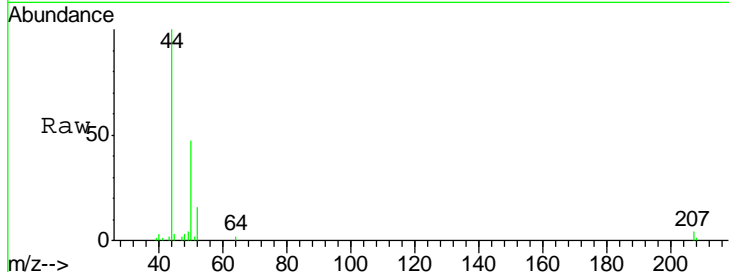
#3
 Chloromethane
 Concen: 1.17 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
50	100		
52	34.6	26.0	39.0

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

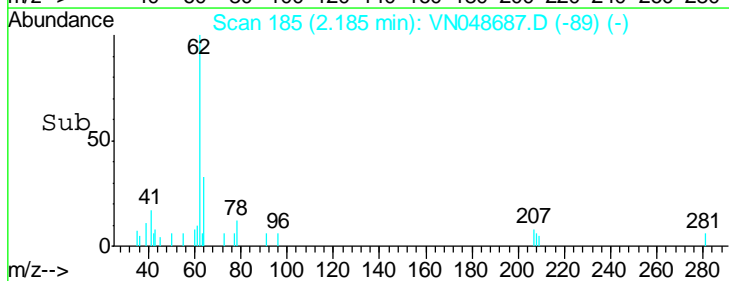
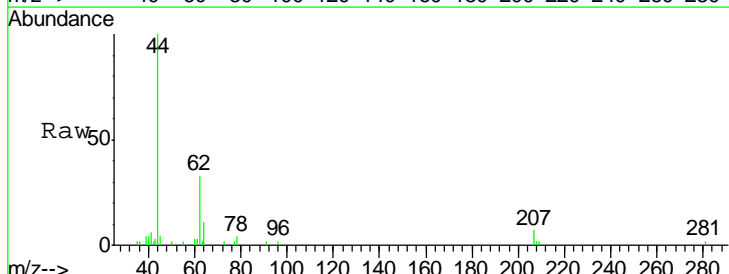
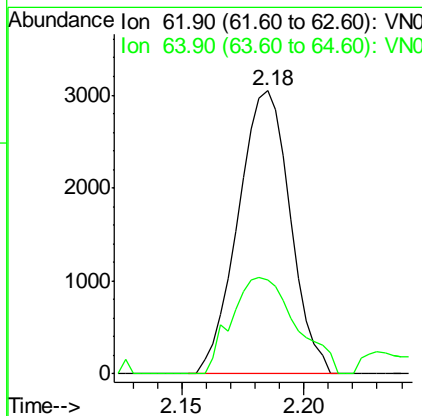
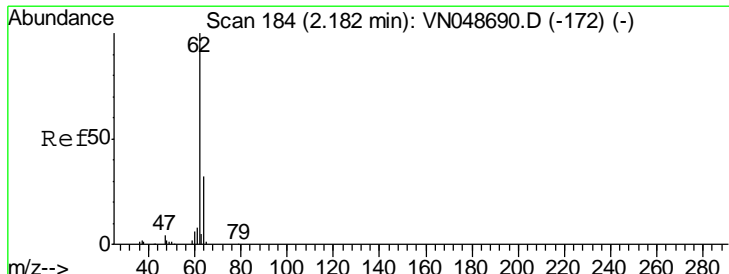
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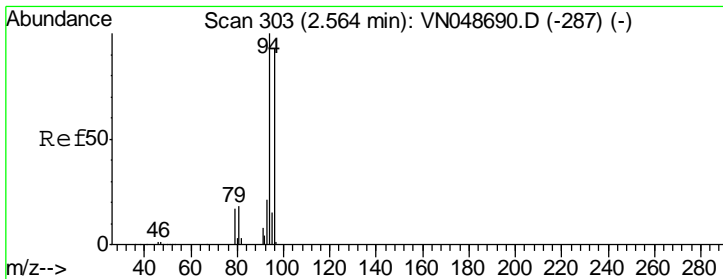
MMDadoda
 5/31/2018 11:12:33 AM



#4
 Vinyl Chloride
 Concen: 0.84 ug/l
 RT: 2.18 min Scan# 185
 Delta R.T. 0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
62	100		
64	33.3	25.6	38.4





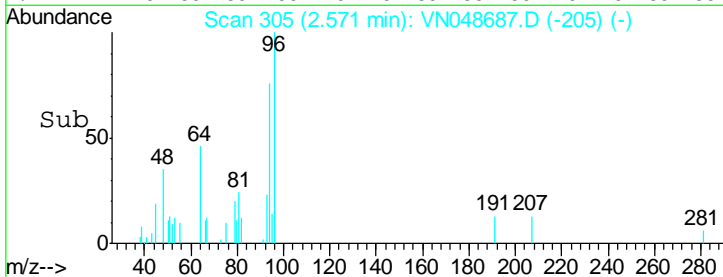
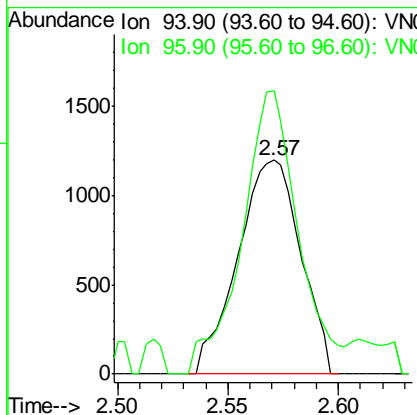
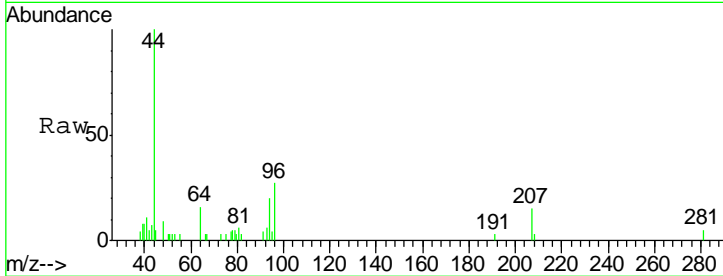
#5
 Bromomethane
 Concen: 0.75 ug/l
 RT: 2.57 min Scan# 305
 Delta R.T. 0.02 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Ratio	Lower	Upper
94	100		
96	132.1	78.0	117.0#

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

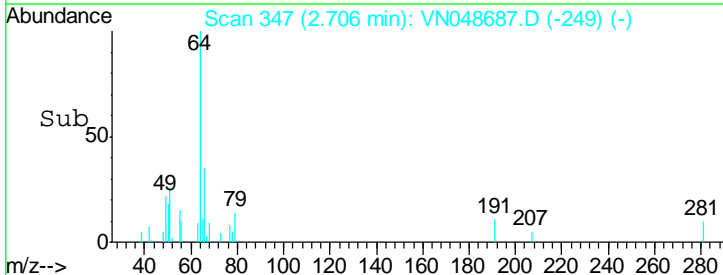
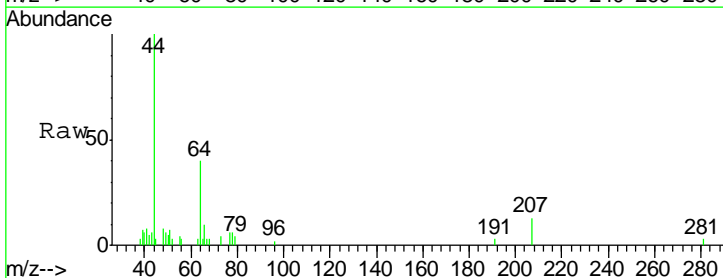
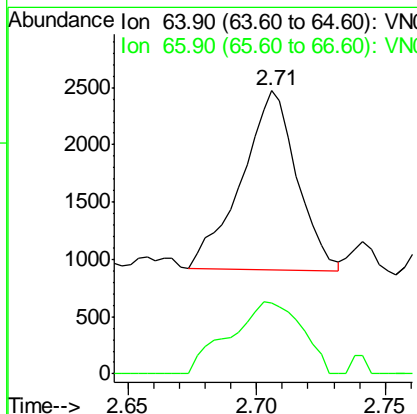
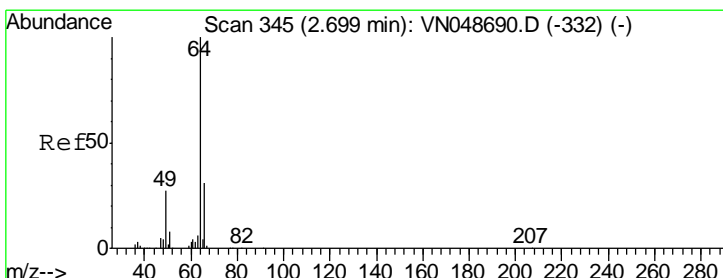
Manual Integrations
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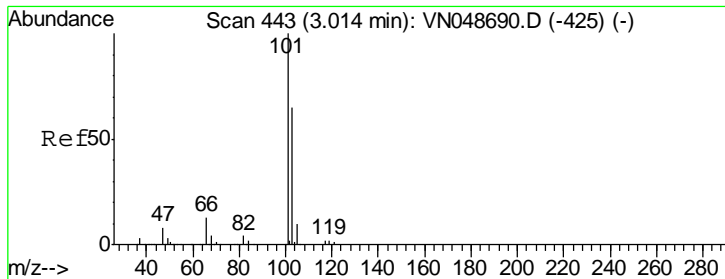
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 5/31/2018 11:12:33 AM



#6
 Chloroethane
 Concen: 0.78 ug/l
 RT: 2.71 min Scan# 347
 Delta R.T. 0.02 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Ratio	Lower	Upper
64	100		
66	39.9	24.8	37.2#



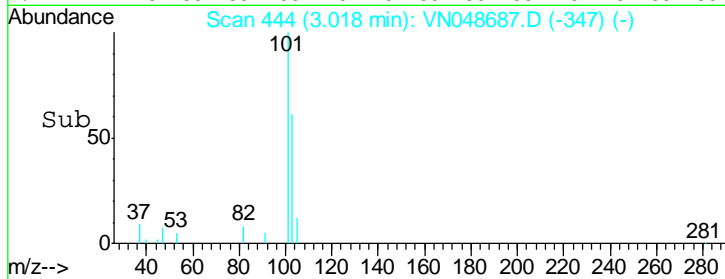
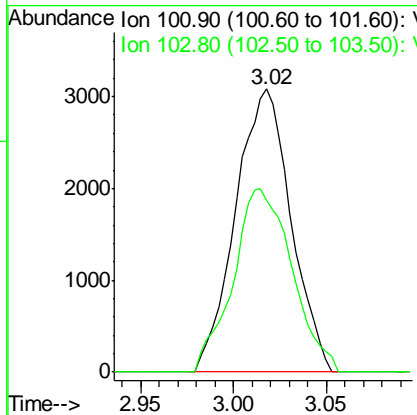
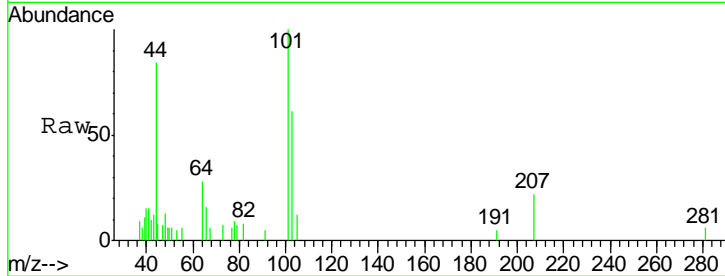


#7
 Trichlorofluoromethane
 Concen: 0.89 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
101	100		
103	60.7	50.8	76.2

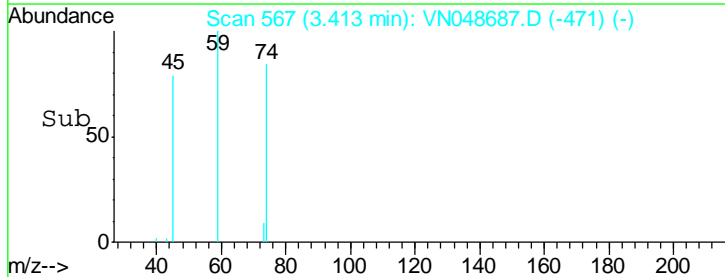
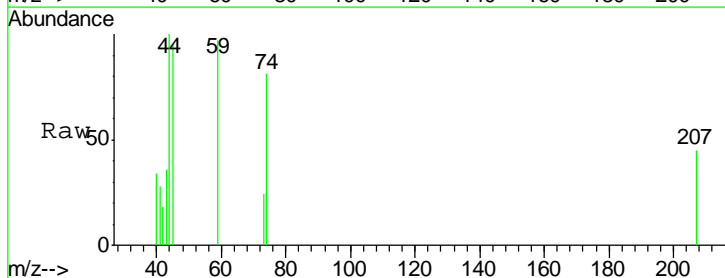
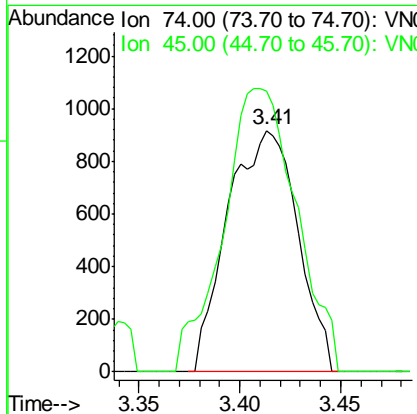
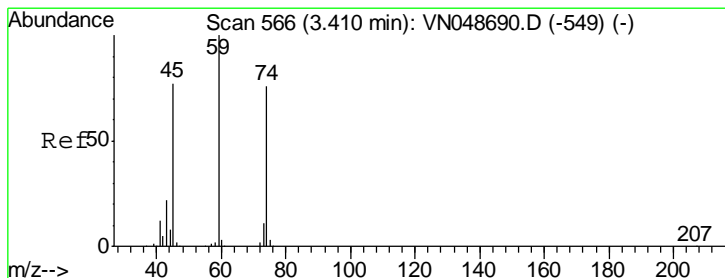
Instrument : MSVOA_N
 ClientSampled : VSTDIC001

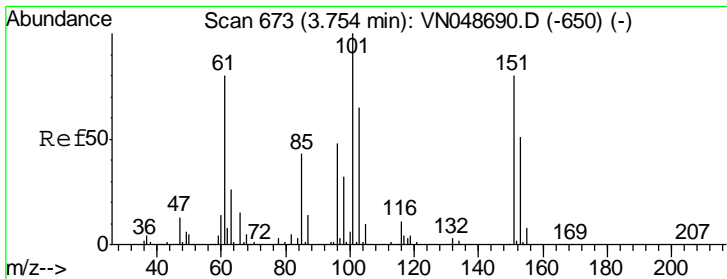
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 MMDadoda
 5/31/2018 11:12:33 AM



#8
 Diethyl Ether
 Concen: 0.79 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
74	100		
45	122.5	50.0	150.0





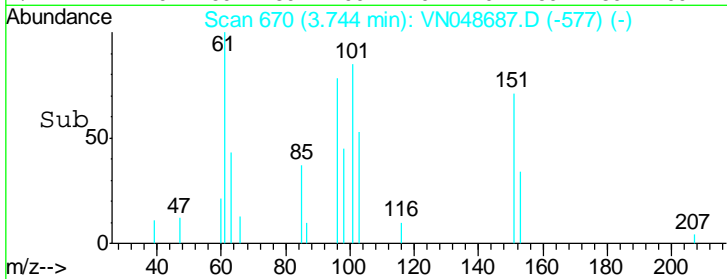
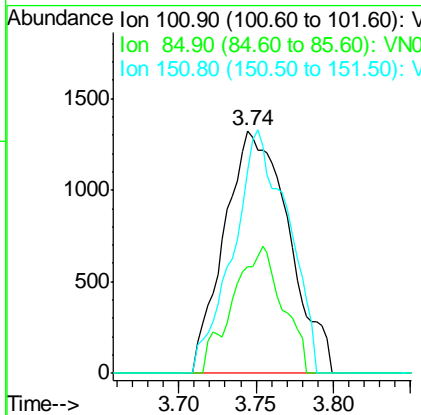
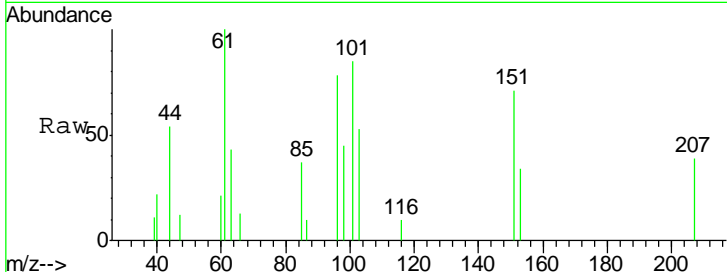
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.83 ug/l
 RT: 3.74 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion:	101	Resp:	3827
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.3	49.9
151	86.2	66.5	99.7

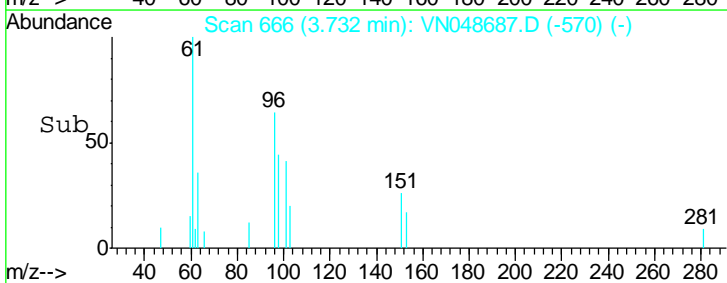
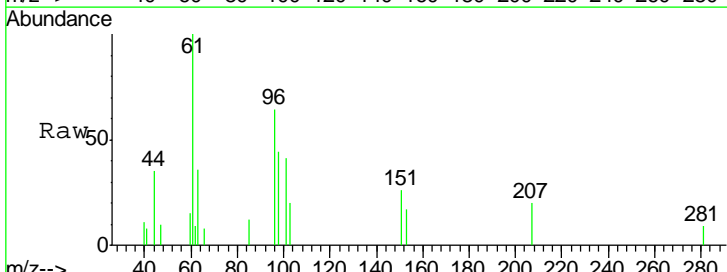
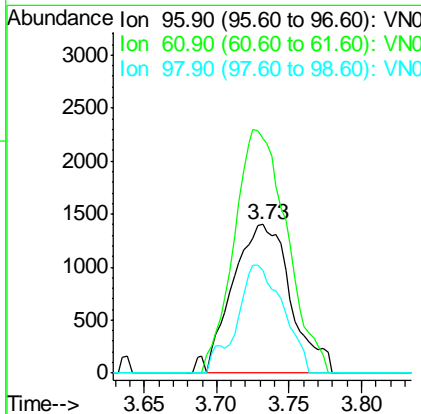
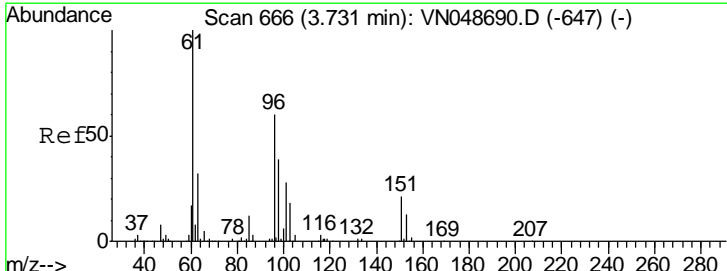
Manual Integrations
 APPROVED

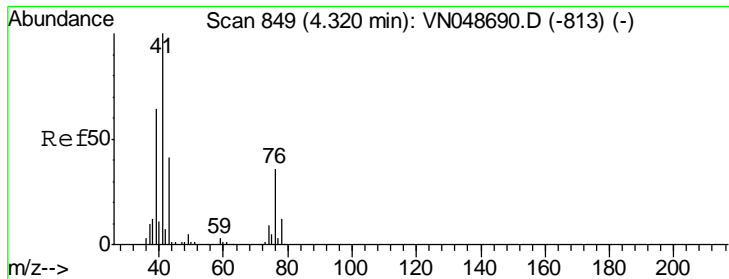
MMDadoda
 5/31/2018 11:12:33 AM



#12
 1,1-Dichloroethene
 Concen: 0.93 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion:	96	Resp:	3926
Ion Ratio	Lower	Upper	
96	100		
61	157.4	125.6	188.4
98	68.8	51.0	76.4





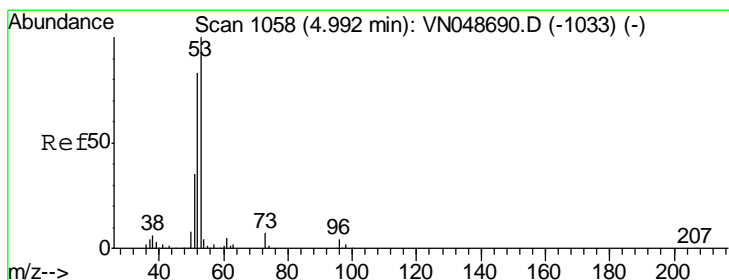
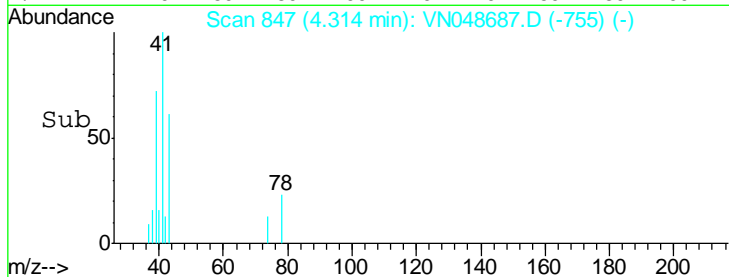
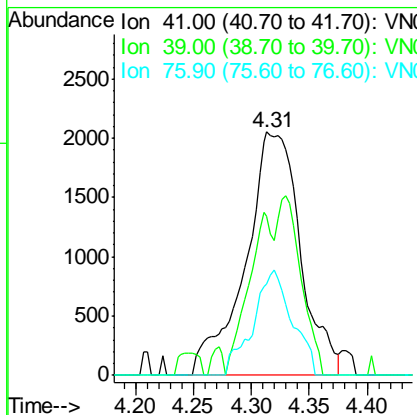
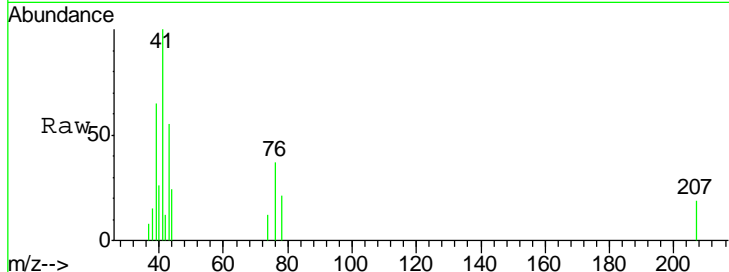
#14
 Allvl chloride
 Concen: 0.83 ug/l
 RT: 4.31 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
41	100		
39	31.1	51.1	76.7#
76	0.0	28.2	42.2#

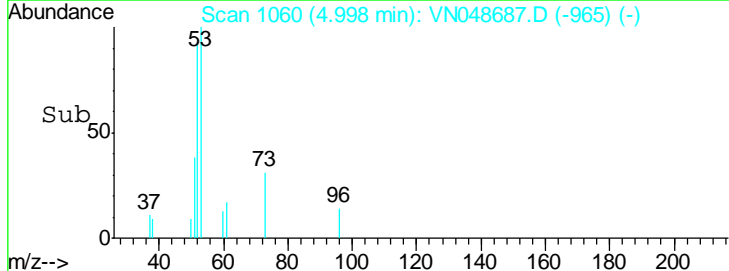
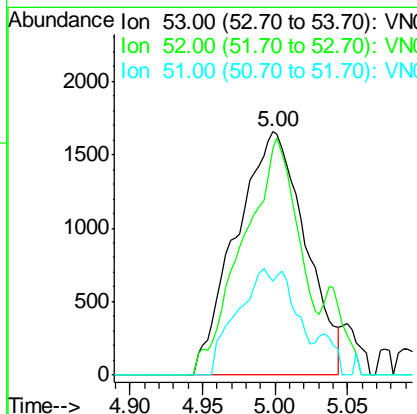
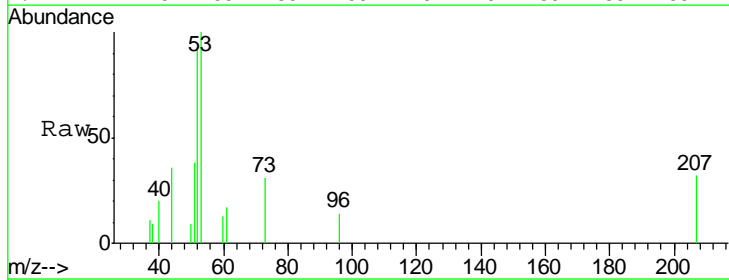
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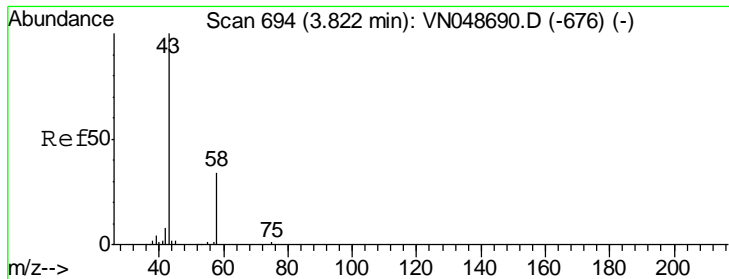
MMDadoda
 5/31/2018 11:12:33 AM



#15
 Acrylonitrile
 Concen: 2.61 ug/l
 RT: 5.00 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
53	100		
52	79.0	65.5	98.3
51	22.6	28.8	43.2#





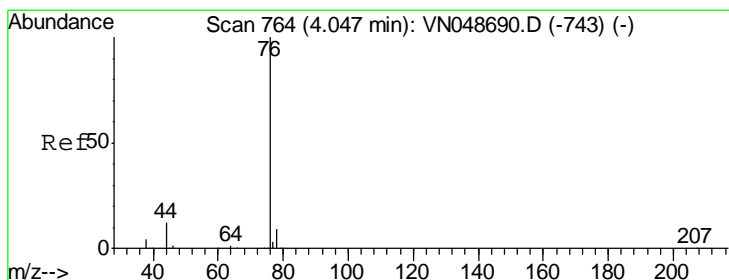
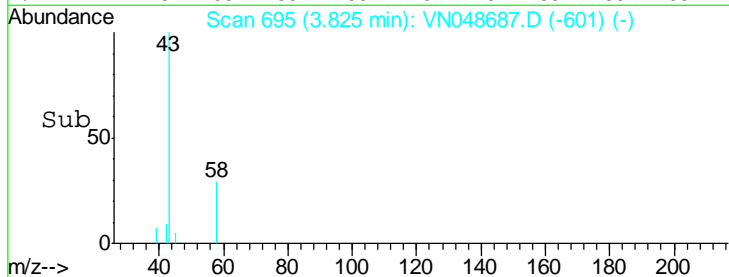
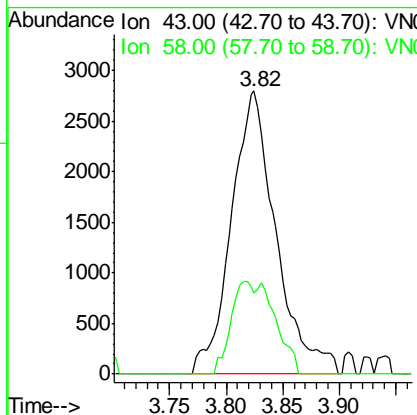
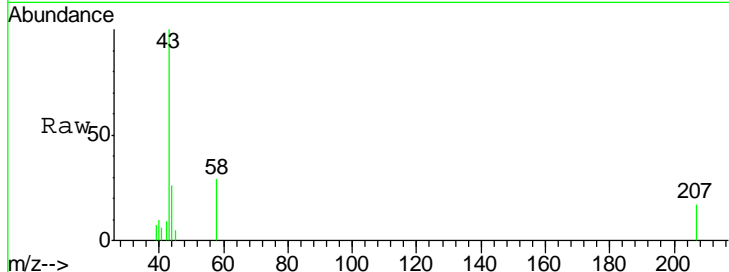
#16
 Acetone
 Concen: 3.77 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.6	25.4	38.0

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

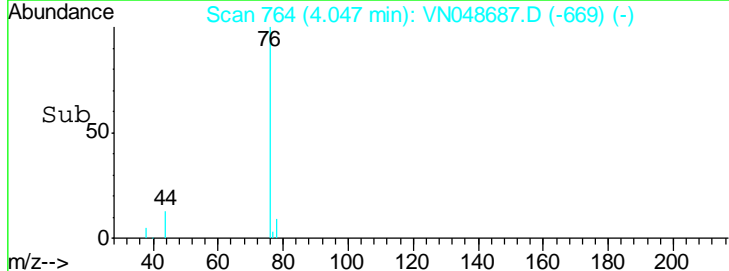
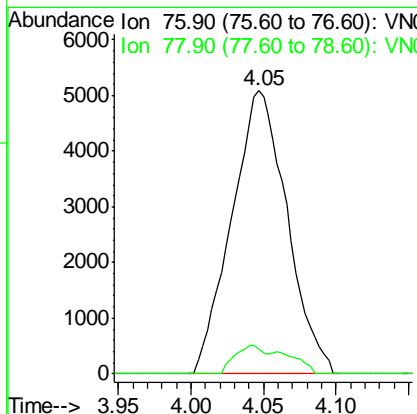
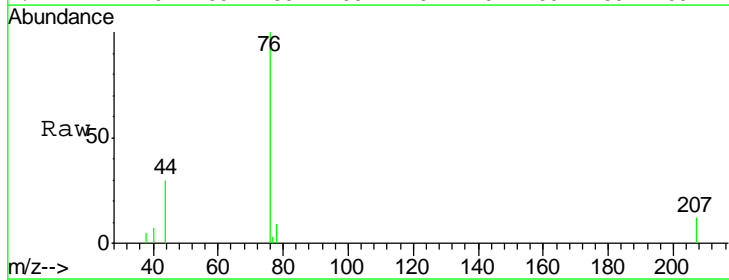
Manual Integrations
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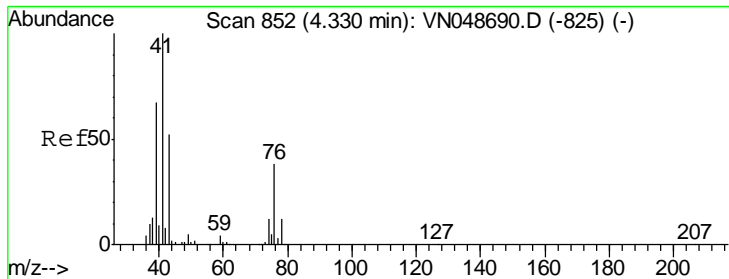
MMDadoda
 5/31/2018 11:12:33 AM



#17
 Carbon Disulfide
 Concen: 0.98 ug/l
 RT: 4.05 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

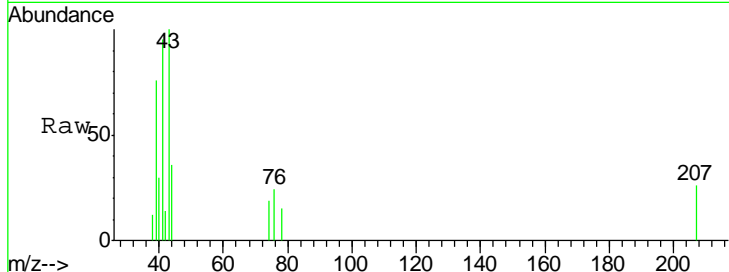
Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8





#18
 Methyl Acetate
 Concen: 0.83 ug/l
 RT: 4.34 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

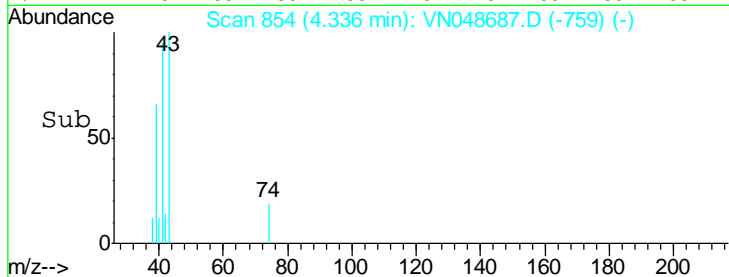
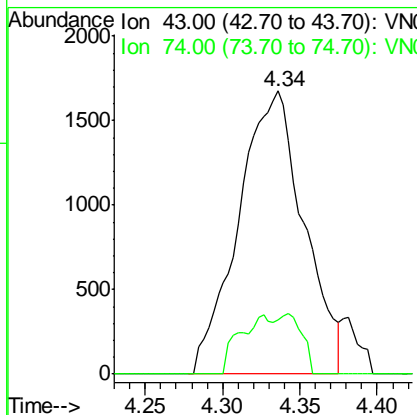
Instrument : MSVOA_N
 Client Sampled : VSTDIC001



Tgt Ion: 43 Resp: 4929
 Ion Ratio Lower Upper
 43 100
 74 10.7 18.4 27.6#

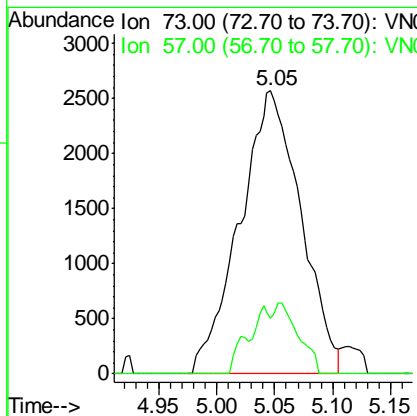
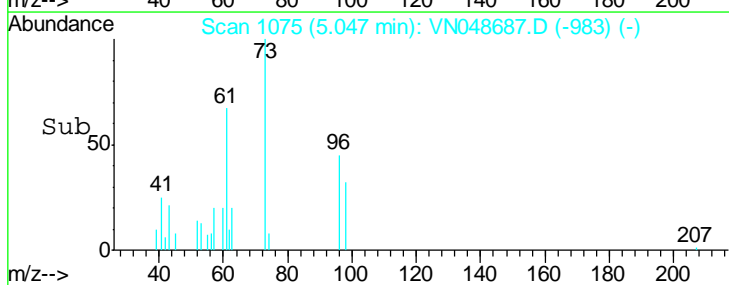
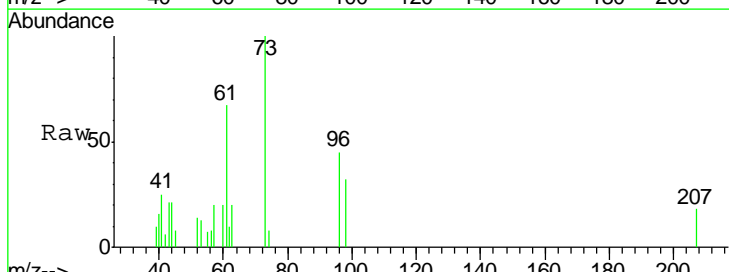
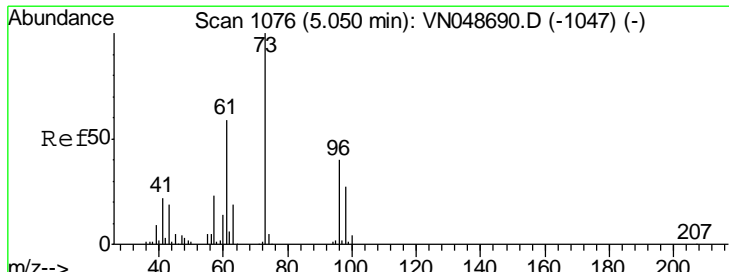
Manual Integrations
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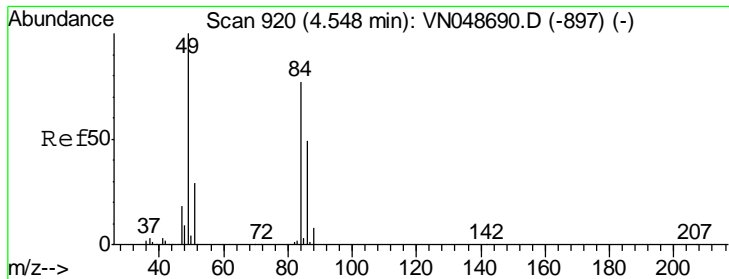
MMDadoda
 5/31/2018 11:12:33 AM



#19
 Methyl tert-butyl Ether
 Concen: 0.73 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion: 73 Resp: 9411
 Ion Ratio Lower Upper
 73 100
 57 19.6 18.0 27.0





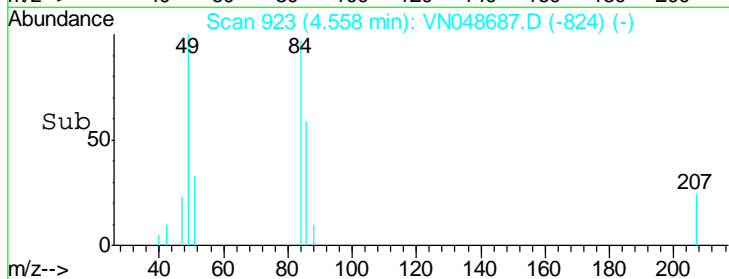
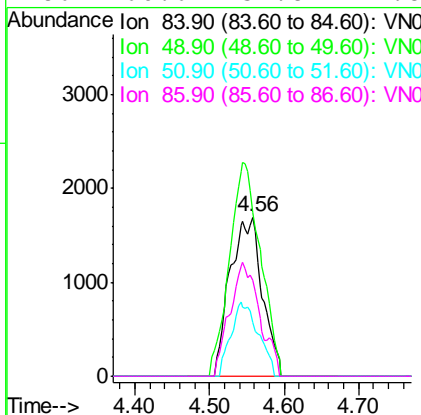
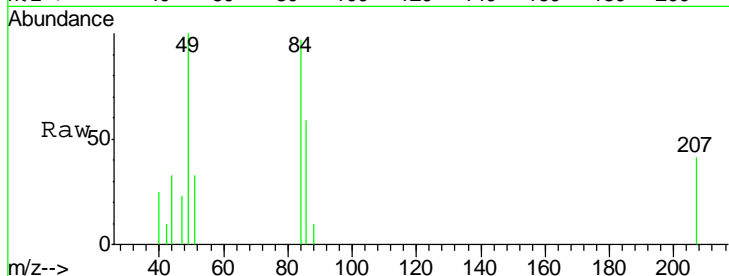
#20
Methylene Chloride
Concen: 0.94 ug/l m
RT: 4.56 min Scan# 923
Delta R.T. 0.02 min
Lab File: VN048687.D
Acq: 29 May 2018 10:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tgt Ion	Resp	Lower	Upper
84	5064		
84	100		
49	103.2	97.7	146.5
51	33.9	30.4	45.6
86	60.6	51.8	77.8

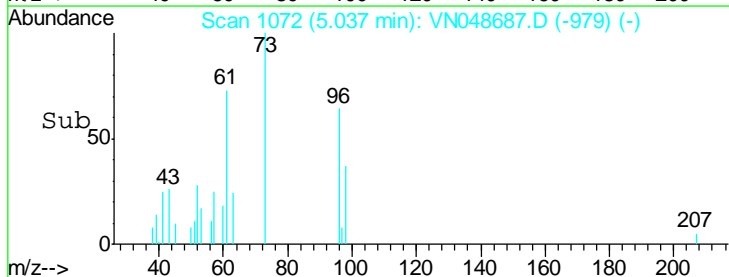
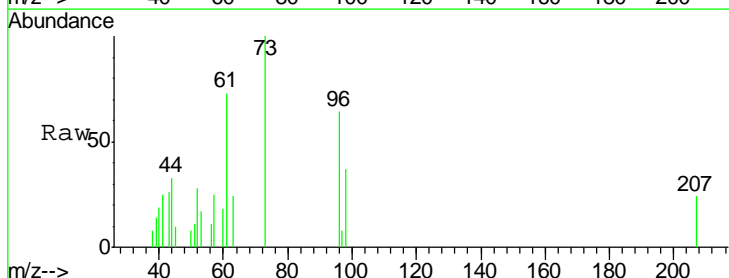
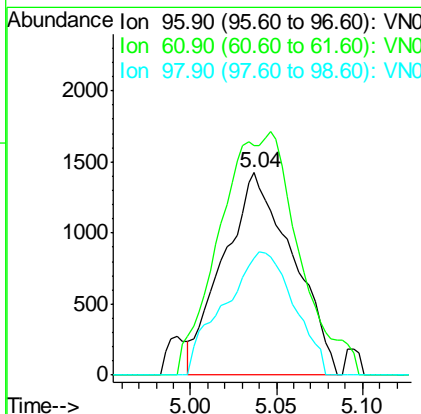
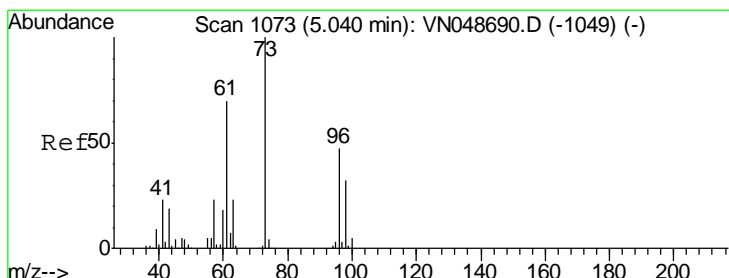
Manual Integrations
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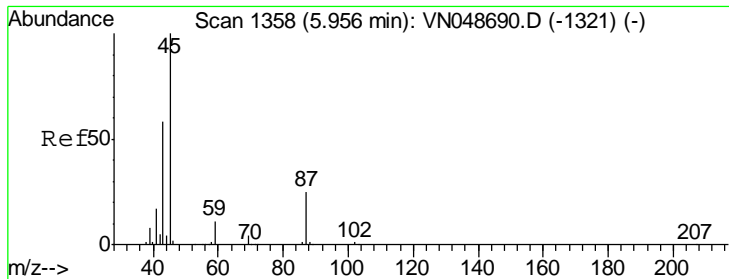
MMDadoda
5/31/2018 11:12:33 AM



#21
trans-1,2-Dichloroethene
Concen: 0.87 ug/l
RT: 5.04 min Scan# 1072
Delta R.T. 0.00 min
Lab File: VN048687.D
Acq: 29 May 2018 10:48

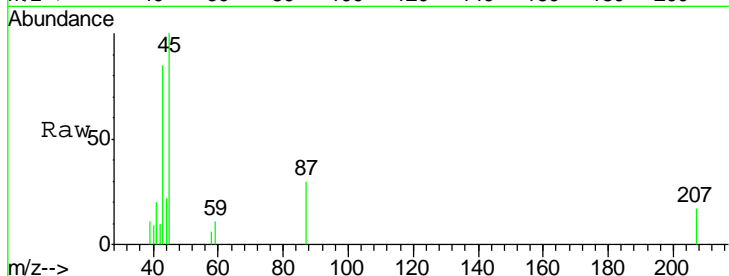
Tgt Ion	Resp	Lower	Upper
96	4000		
96	100		
61	96.3	112.2	168.2#
98	58.1	50.5	75.7





#22
 Diisopropyl ether
 Concen: 0.77 ug/l
 RT: 5.95 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

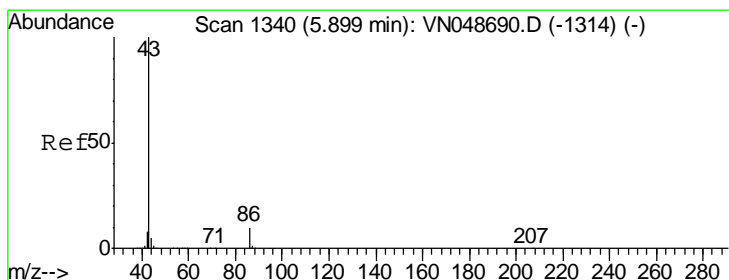
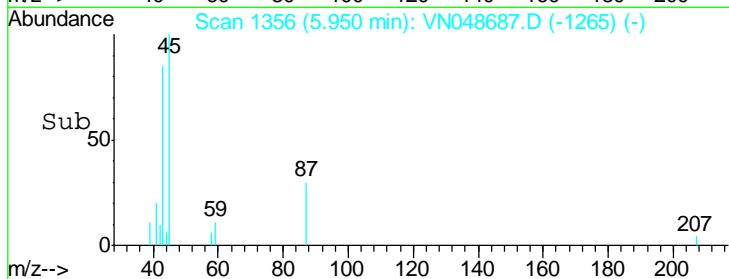
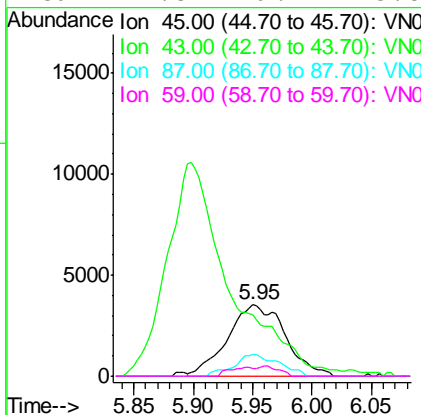


Tgt Ion: 45 Resp: 11891

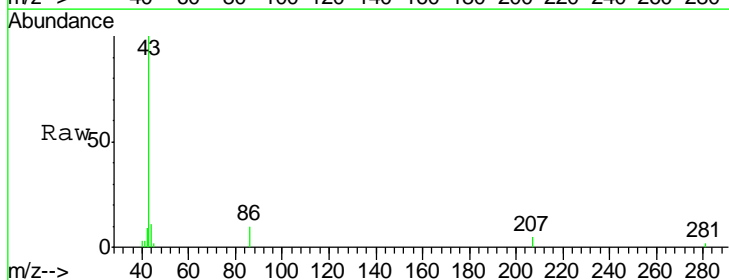
Ion	Ratio	Lower	Upper
45	100		
43	76.7	43.8	65.8#
87	30.4	21.8	32.6
59	11.5	9.2	13.8

Manual Integrations
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MMDadoda
 5/31/2018 11:12:33 AM

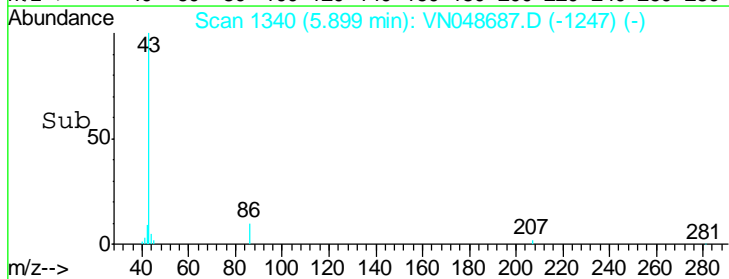
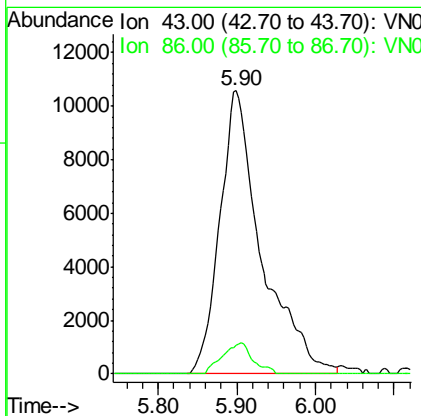


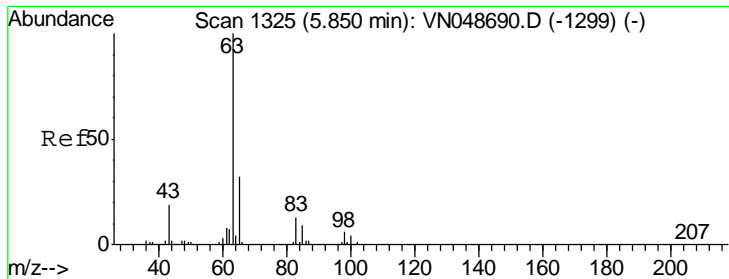
#23
 Vinyl Acetate
 Concen: 3.51 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48



Tgt Ion: 43 Resp: 38907

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.2	12.2





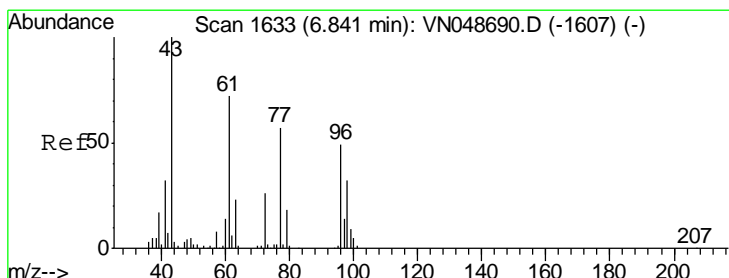
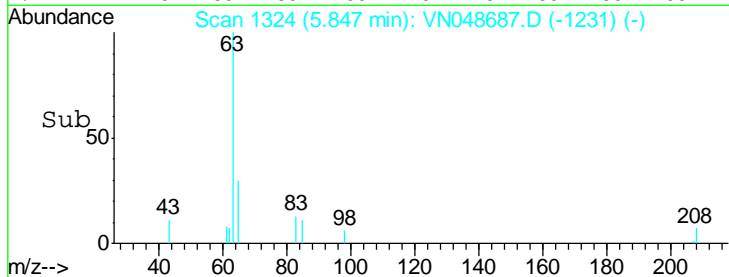
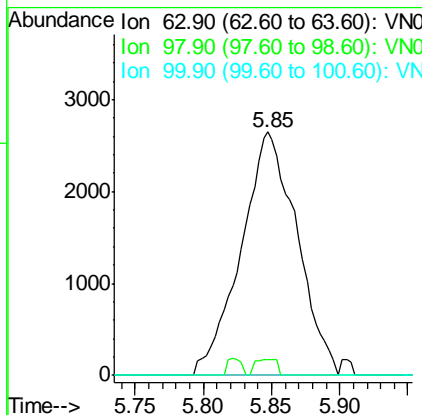
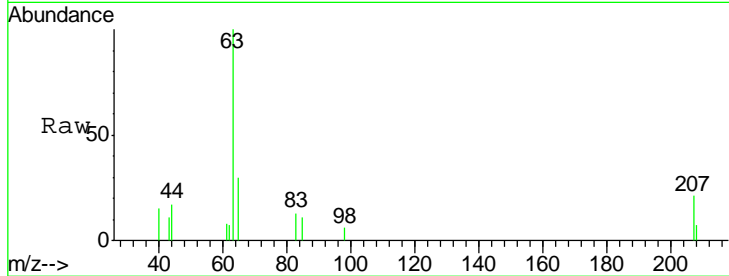
#24
 1,1-Dichloroethane
 Concen: 0.84 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	0.0	2.1	6.3#

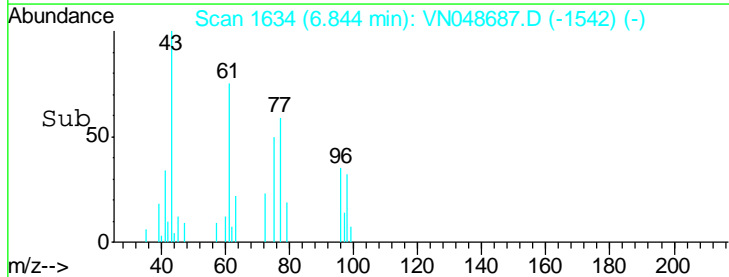
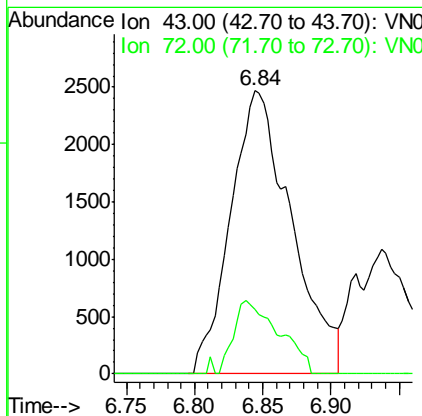
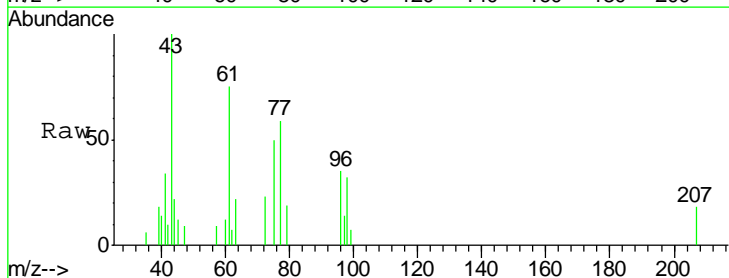
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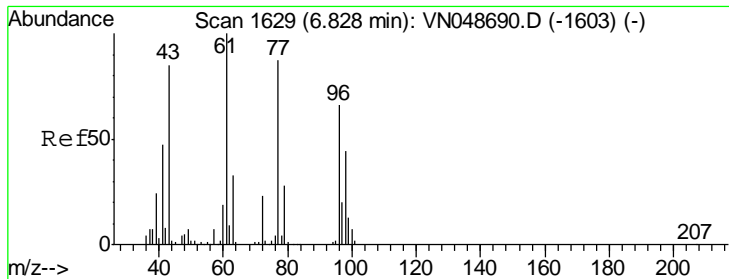
MMDadoda
 5/31/2018 11:12:33 AM



#25
 2-Butanone
 Concen: 2.81 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
43	100		
72	22.8	20.8	31.2





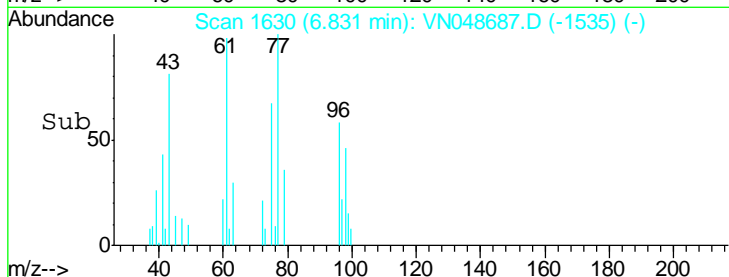
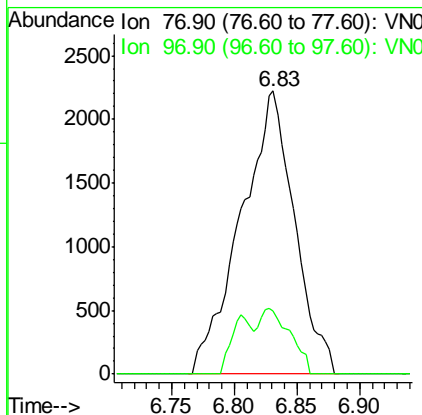
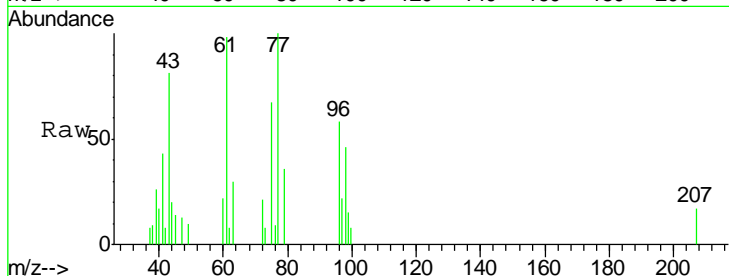
#26
 2,2-Dichloropropane
 Concen: 0.90 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
77	100		
97	13.7	11.9	35.5

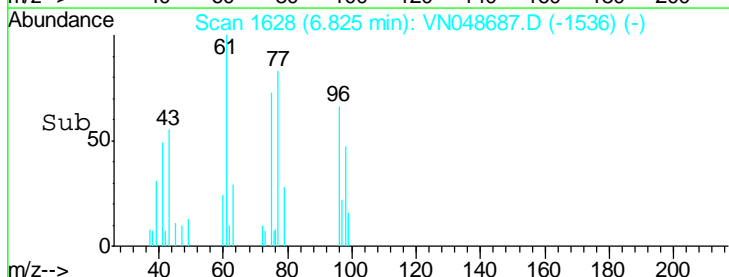
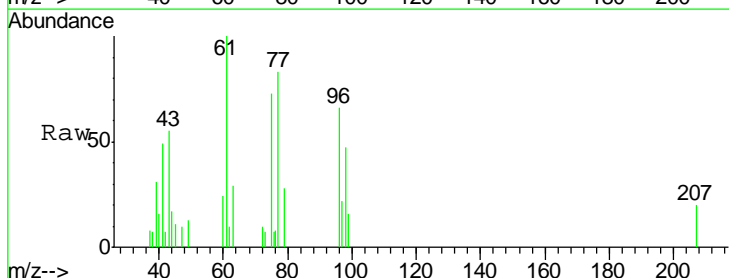
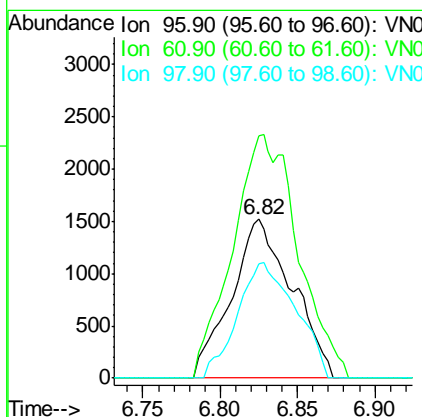
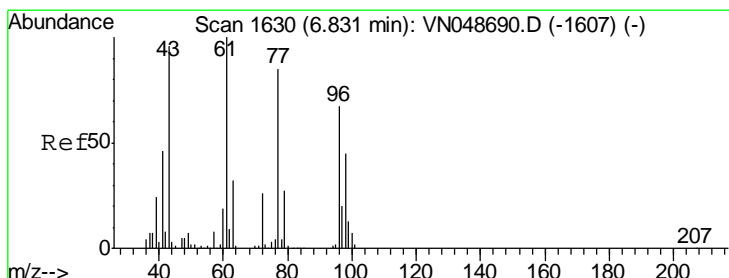
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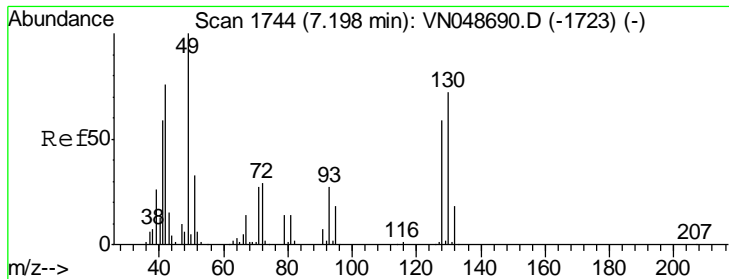
MMDadoda
 5/31/2018 11:12:33 AM



#27
 cis-1,2-Dichloroethene
 Concen: 0.80 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
96	100		
61	165.1	0.0	292.6
98	69.6	0.0	128.2





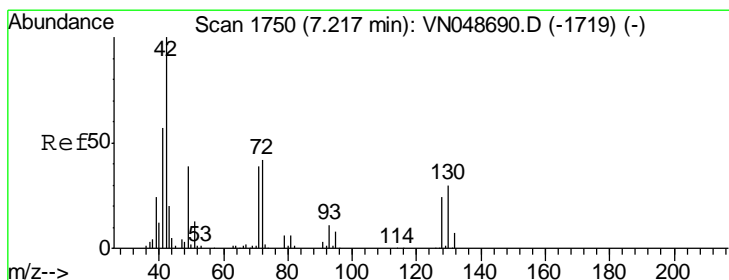
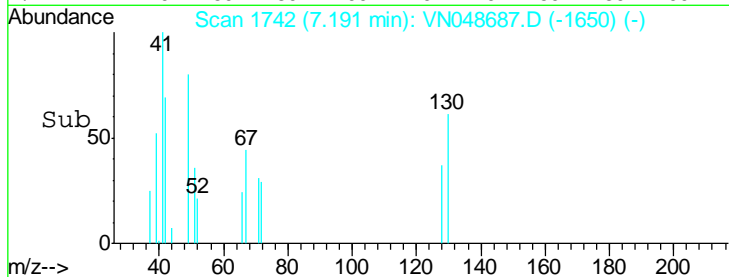
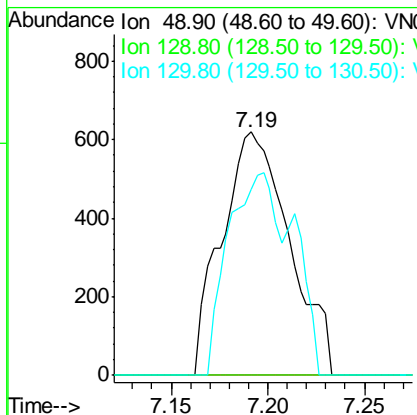
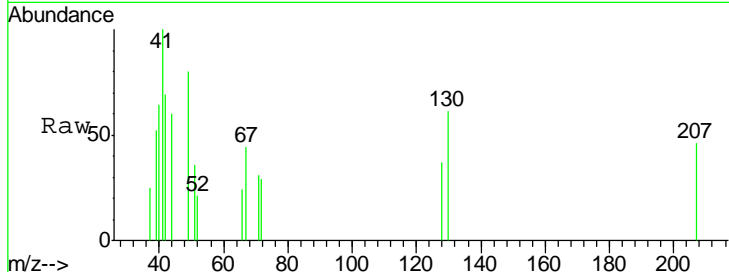
#28
 Bromochloromethane
 Concen: 0.47 ug/l
 RT: 7.19 min Scan# 1742
 Delta R.T. -0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
49	1507		
49	100		
129	0.0	0.0	3.8
130	60.8	64.2	96.2#

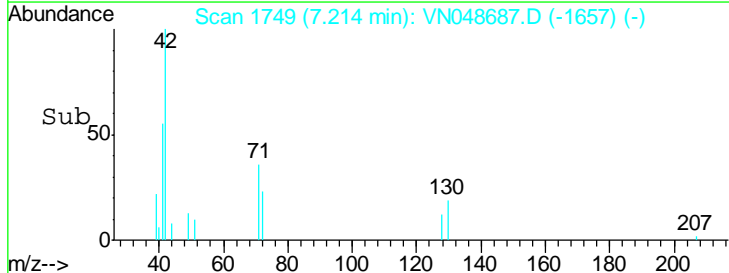
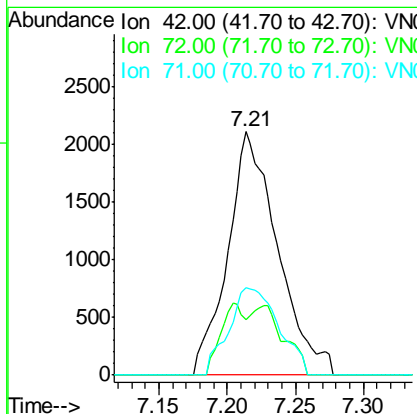
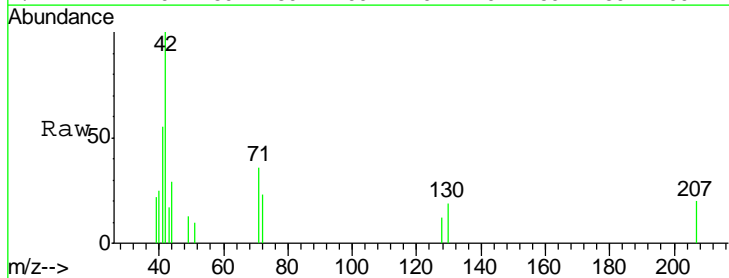
Manual Integrations
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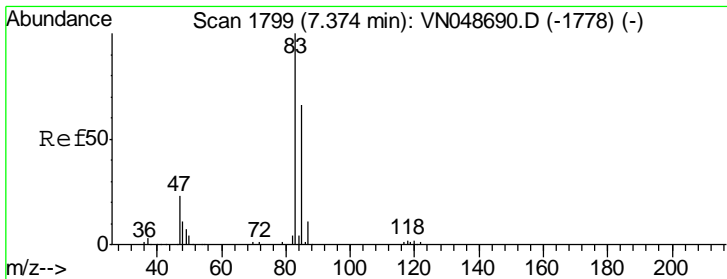
MMDadoda
 5/31/2018 11:12:33 AM



#29
 Tetrahydrofuran
 Concen: 3.10 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
42	5359		
42	100		
72	14.2	34.2	51.4#
71	35.9	31.8	47.8





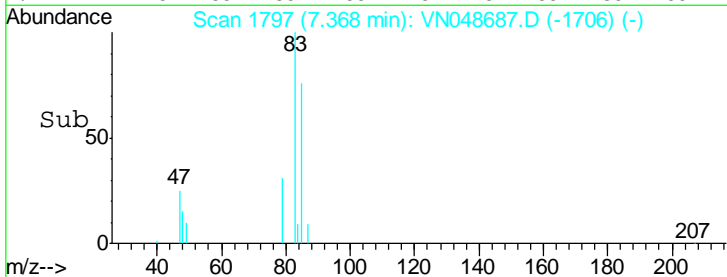
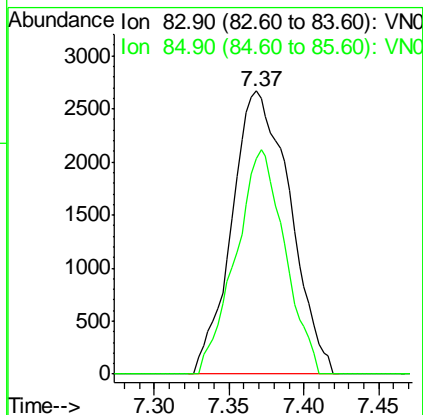
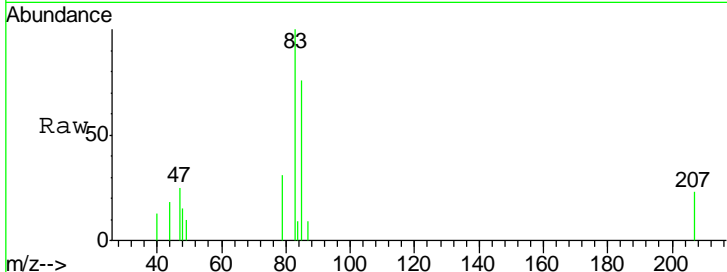
#30
 Chloroform
 Concen: 0.83 ug/l
 RT: 7.37 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
83	7222		
83	100		
85	76.3	51.1	76.7

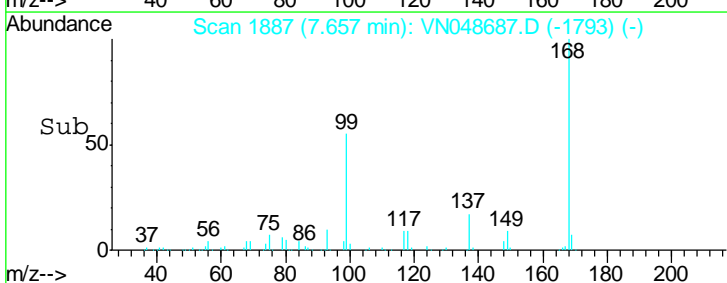
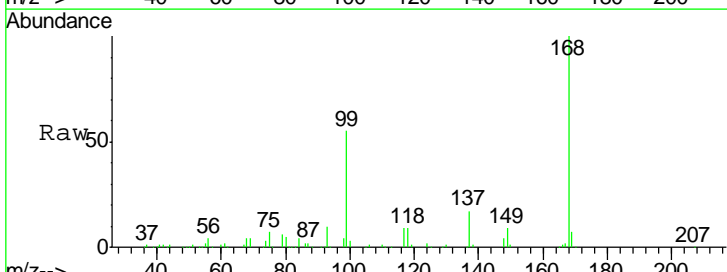
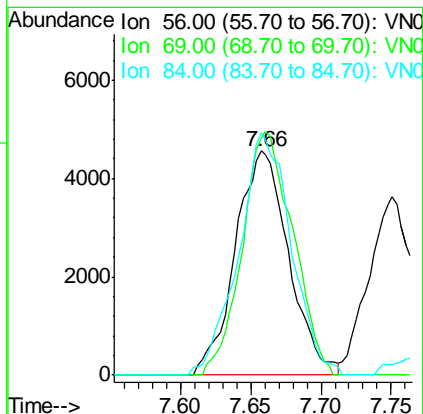
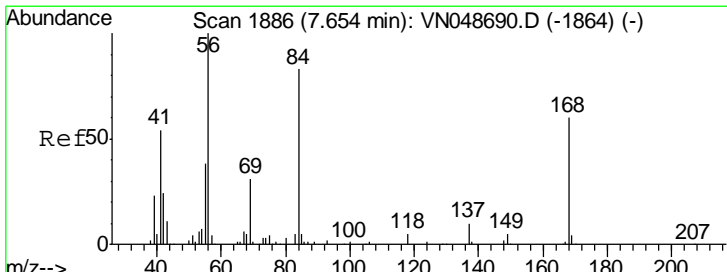
Manual Integrations
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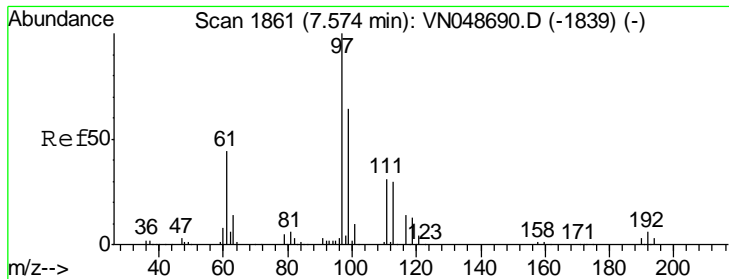
MMDadoda
 5/31/2018 11:12:33 AM



#31
 Cyclohexane
 Concen: 1.32 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
56	12033		
56	100		
69	106.1	25.6	38.4#
84	108.3	67.5	101.3#





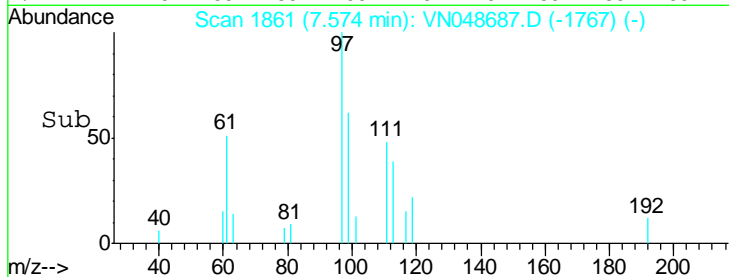
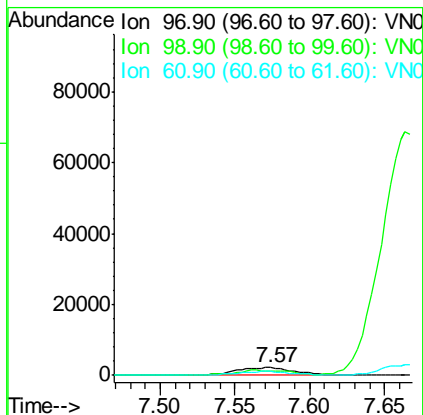
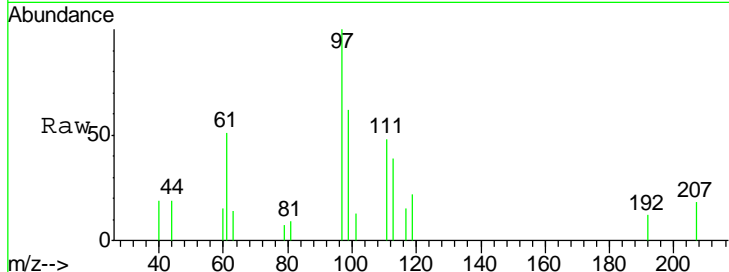
#32
 1,1,1-Trichloroethane
 Concen: 0.80 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
97	6078		
99	0.0	51.4	77.2#
61	45.6	34.2	51.2

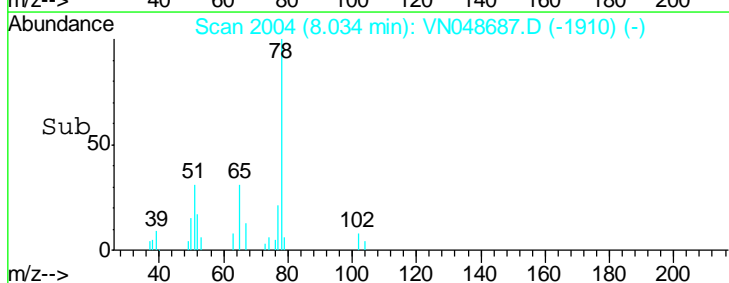
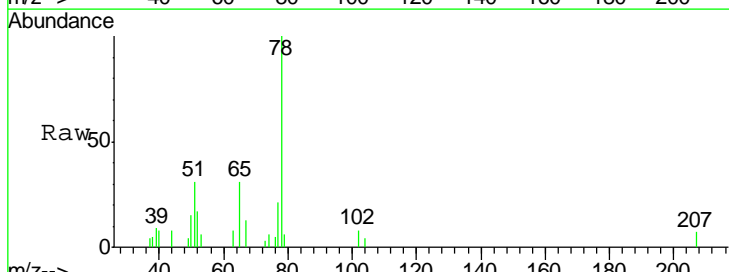
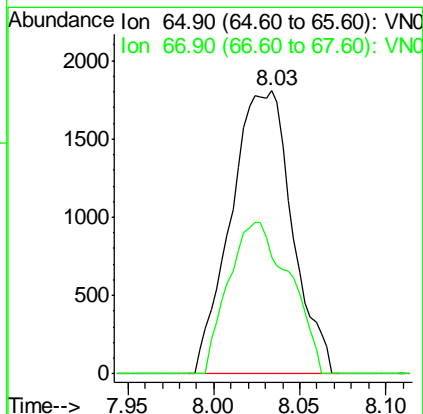
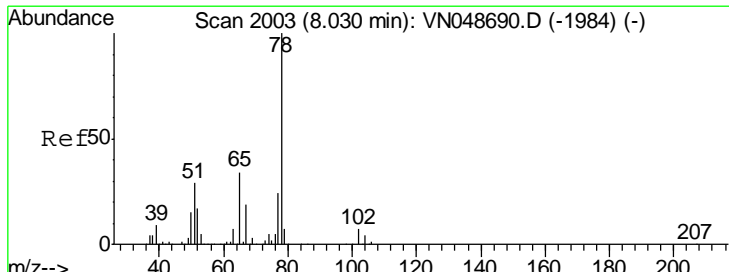
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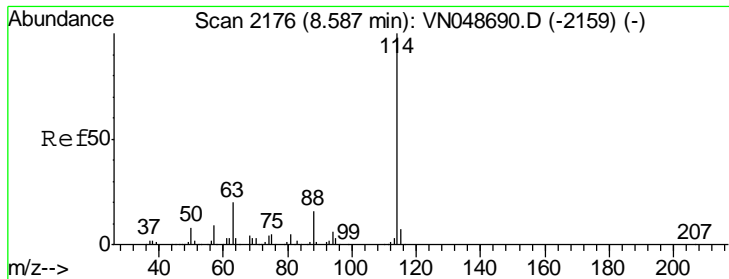
MMDadoda
 5/31/2018 11:12:33 AM



#33
 1,2-Dichloroethane-d4
 Concen: 0.79 ug/l
 RT: 8.03 min Scan# 2004
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
65	4465		
67	53.5	0.0	108.4





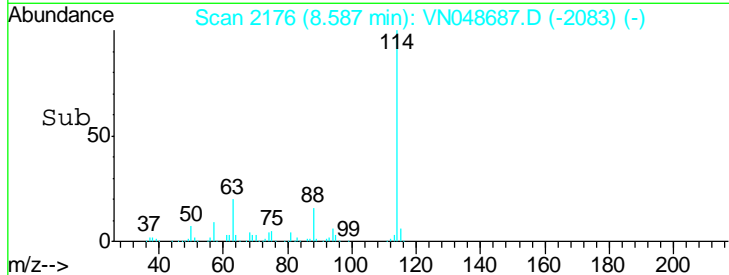
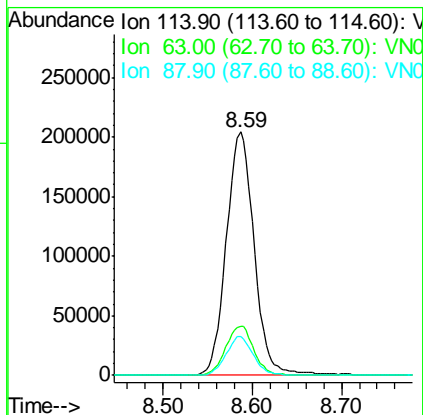
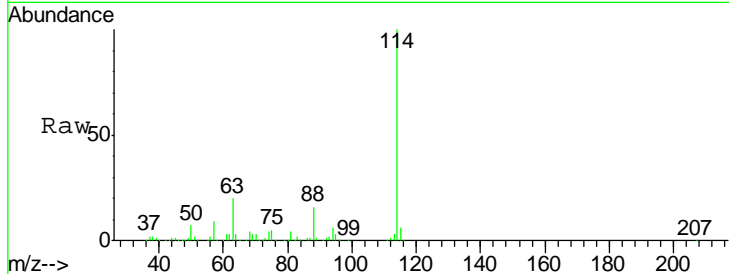
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
114	442571		
63	20.3	0.0	40.0
88	15.9	0.0	31.0

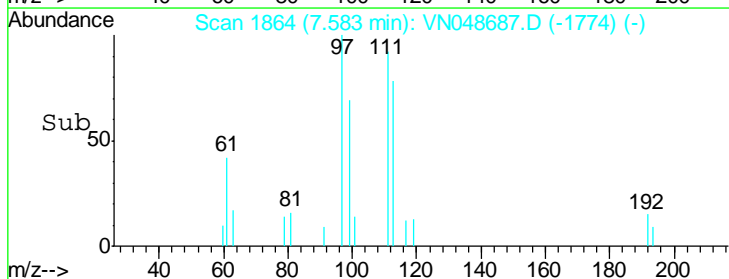
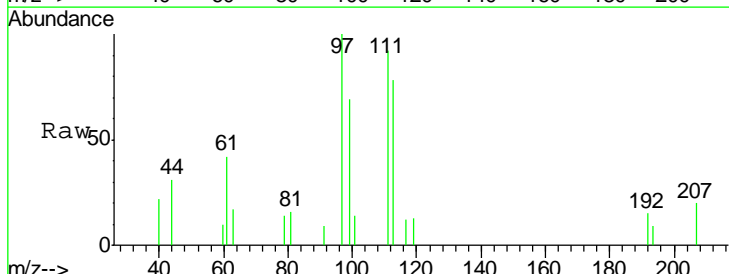
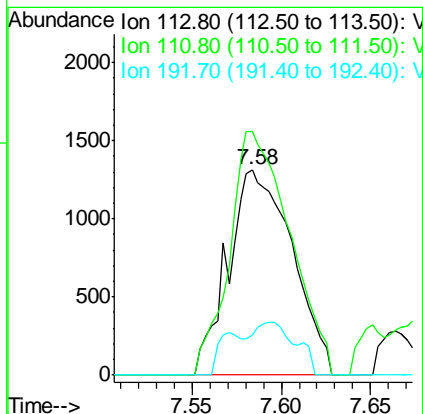
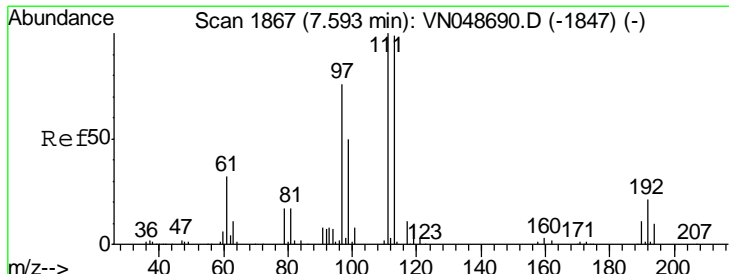
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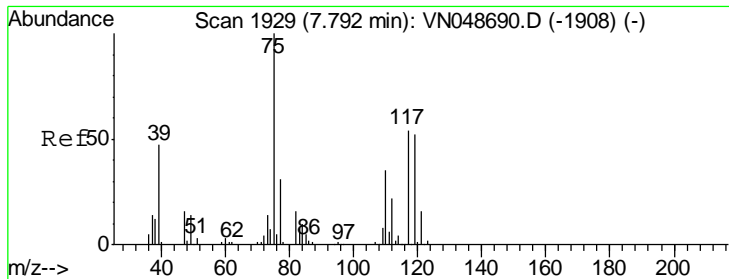
MMDadoda
 5/31/2018 11:12:33 AM



#35
 Dibromofluoromethane
 Concen: 0.71 ug/l
 RT: 7.58 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
113	3293		
111	111.4	81.7	122.5
192	17.1	17.6	26.4#





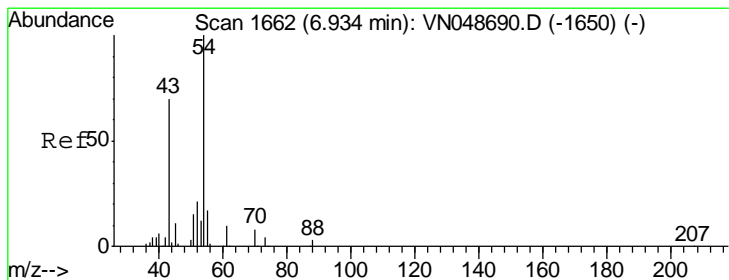
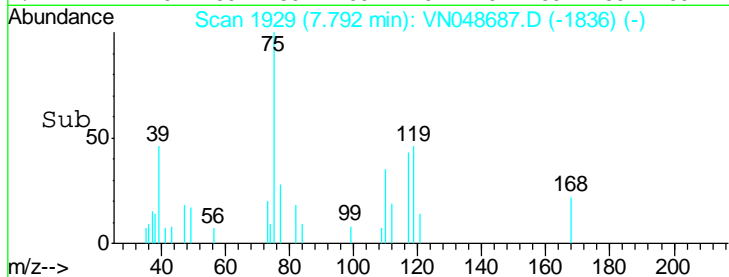
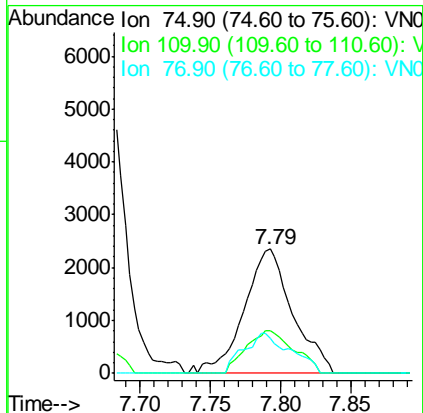
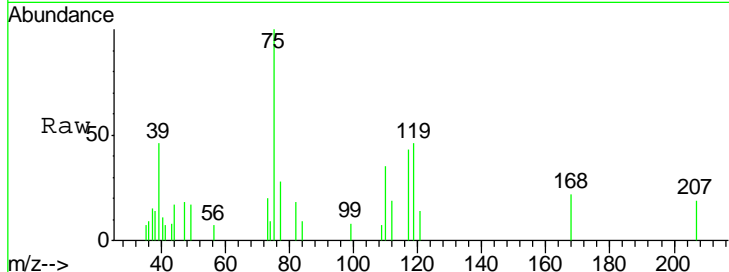
#36
 1,1-Dichloropropene
 Concen: 0.87 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	100		
110	34.0	18.4	55.0
77	30.9	25.0	37.4

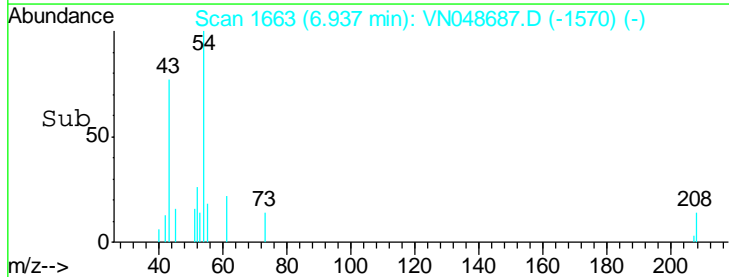
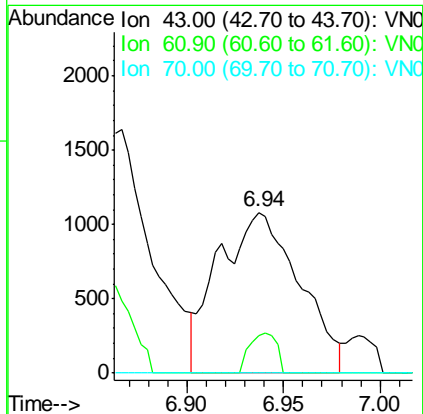
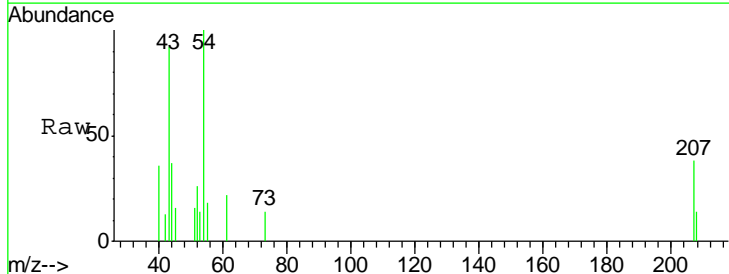
Manual Integrations
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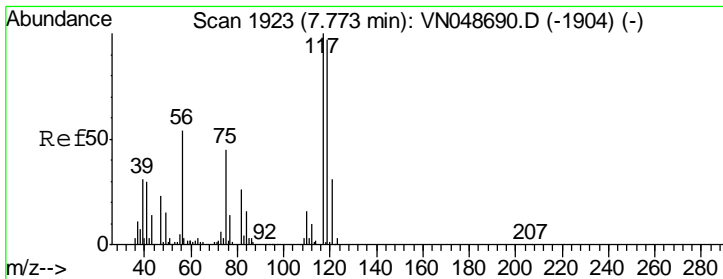
MMDadoda
 5/31/2018 11:12:33 AM



#37
 Ethyl Acetate
 Concen: 0.58 ug/l m
 RT: 6.94 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
43	100		
61	8.2	11.4	17.2#
70	0.0	8.6	12.8#





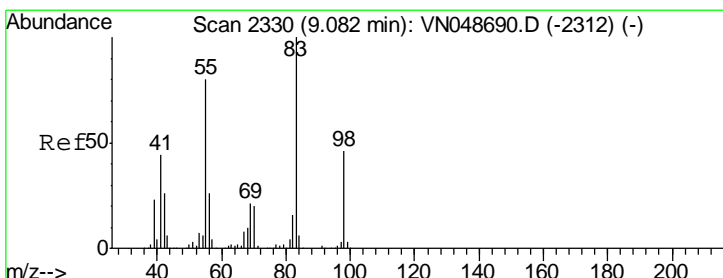
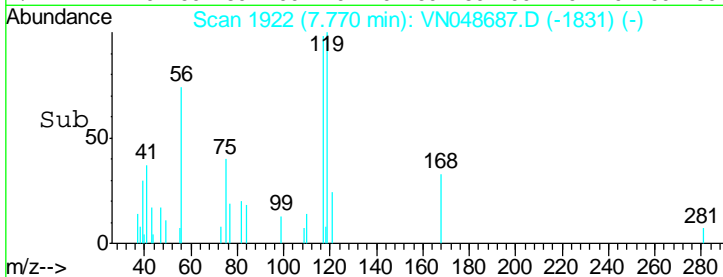
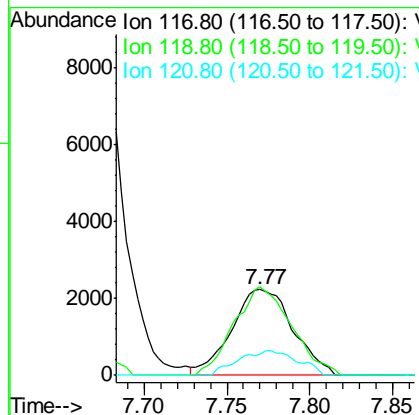
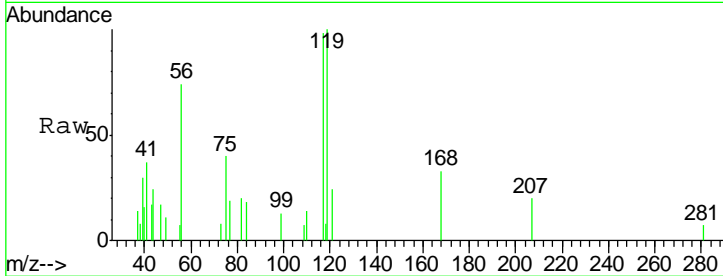
#38
 Carbon Tetrachloride
 Concen: 0.86 ug/l
 RT: 7.77 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
117	5780		
117	100		
119	102.5	78.0	117.0
121	24.9	24.5	36.7

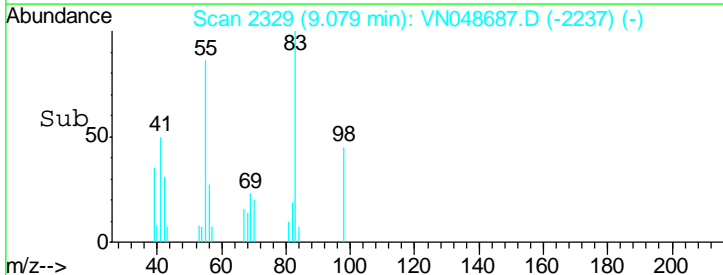
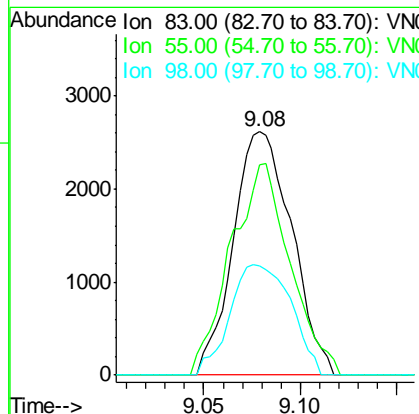
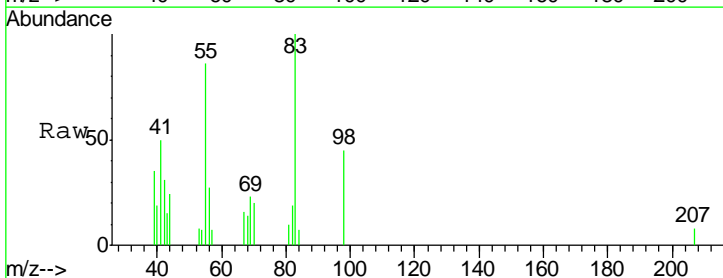
Manual Integrations
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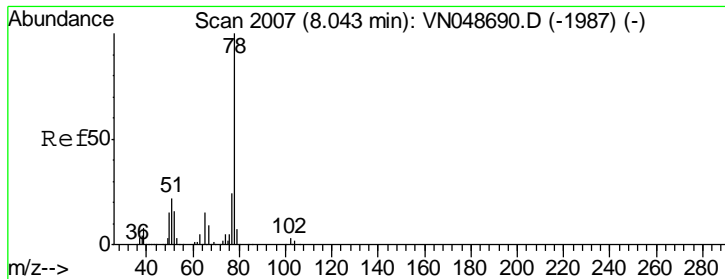
MMDadoda
 5/31/2018 11:12:33 AM



#39
 Methylcyclohexane
 Concen: 0.76 ug/l
 RT: 9.08 min Scan# 2329
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
83	5496		
83	100		
55	86.4	61.7	92.5
98	44.6	36.8	55.2





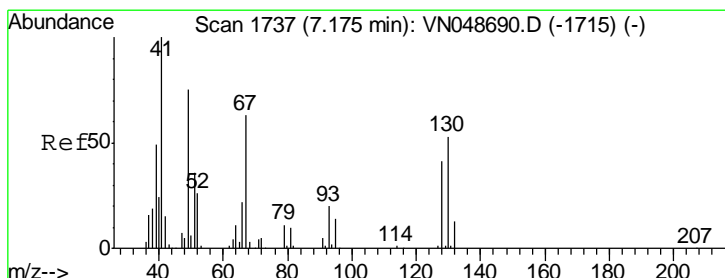
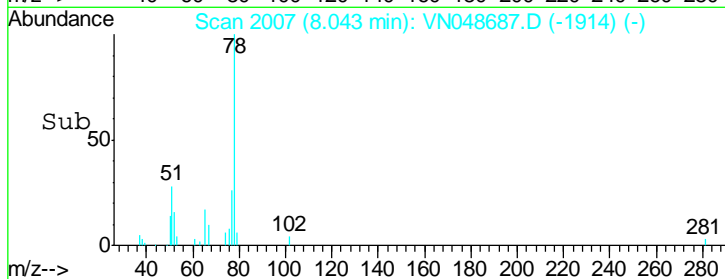
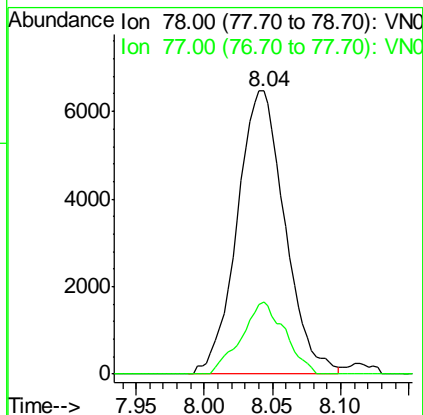
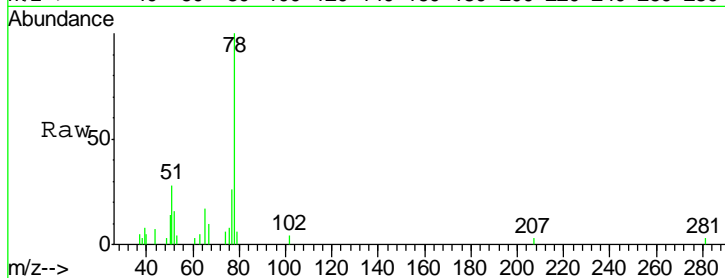
#40
Benzene
Concen: 0.81 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN048687.D
Acq: 29 May 2018 10:48

Instrument : MSVOA_N
ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
78	15734		
78	100		
77	25.7	18.7	28.1

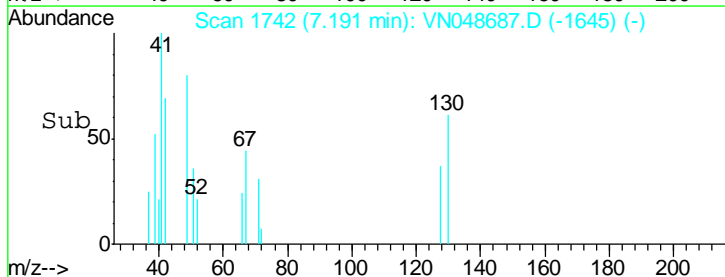
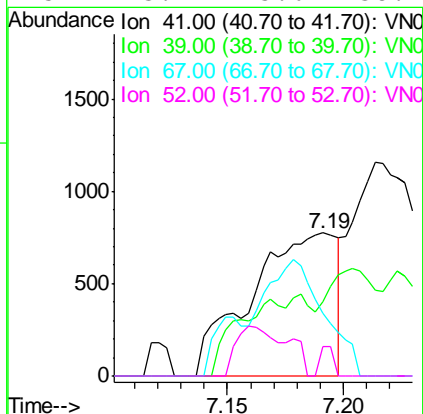
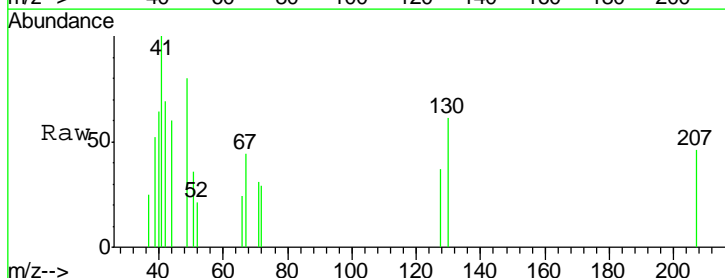
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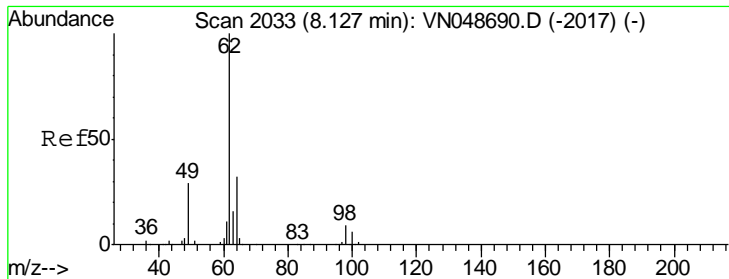
MMDadoda
5/31/2018 11:12:33 AM



#41
Methacrylonitrile
Concen: 0.70 ug/l
RT: 7.19 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VN048687.D
Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
41	2003		
41	100		
39	0.0	47.4	71.2#
67	0.0	62.4	93.6#
52	3.1	25.6	38.4#





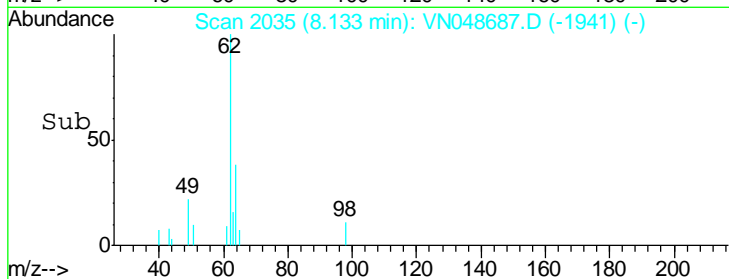
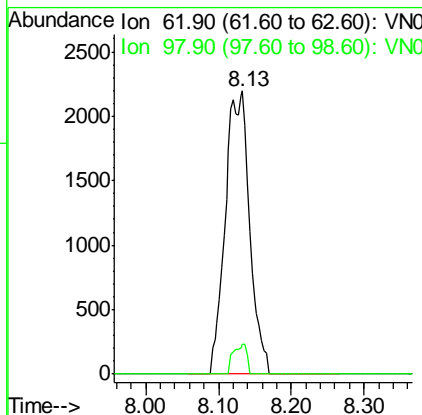
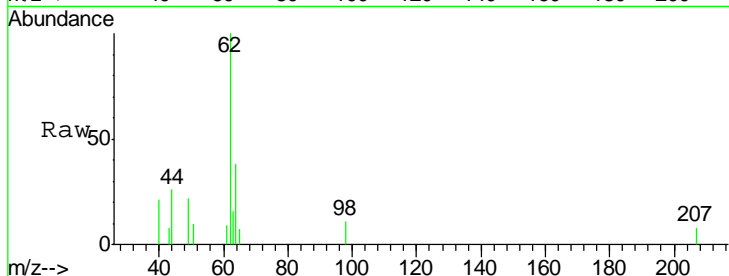
#42
 1,2-Dichloroethane
 Concen: 0.80 ug/l m
 RT: 8.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
62	100		
98	5.8	0.0	18.2

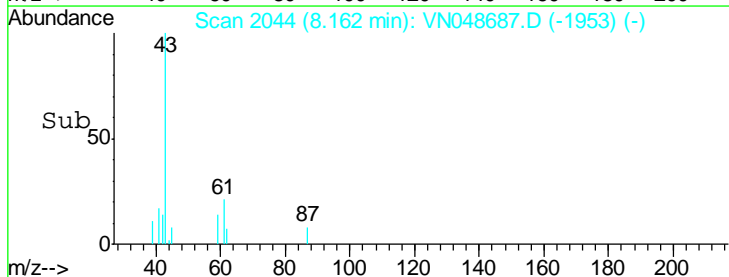
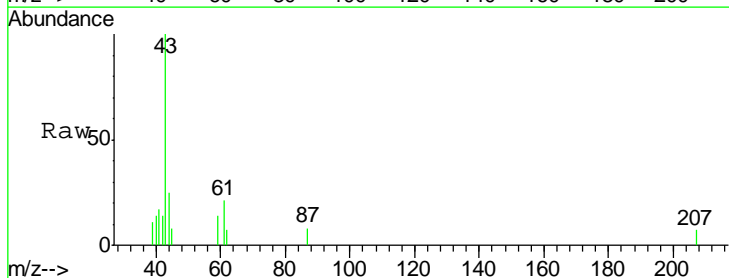
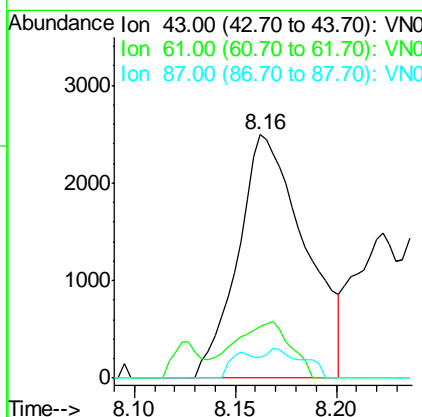
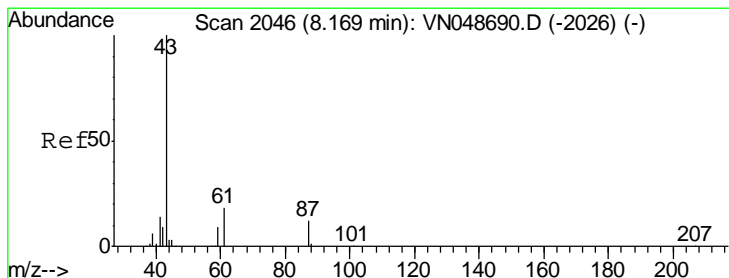
Manual Integrations
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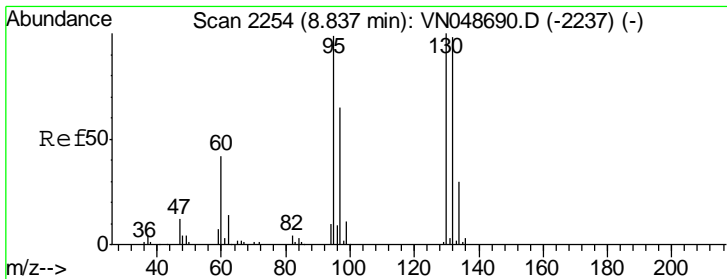
MMDadoda
 5/31/2018 11:12:33 AM



#43
 Isopropyl Acetate
 Concen: 0.62 ug/l
 RT: 8.16 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

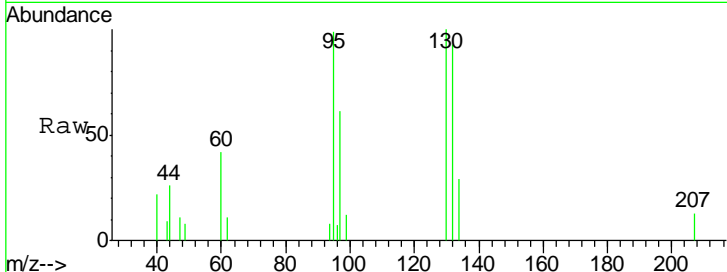
Tgt Ion	Resp	Lower	Upper
43	100		
61	19.3	22.2	33.2#
87	6.6	10.6	15.8#





#44
 Trichloroethene
 Concen: 0.81 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

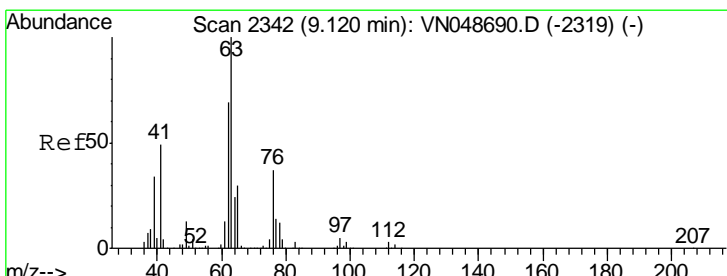
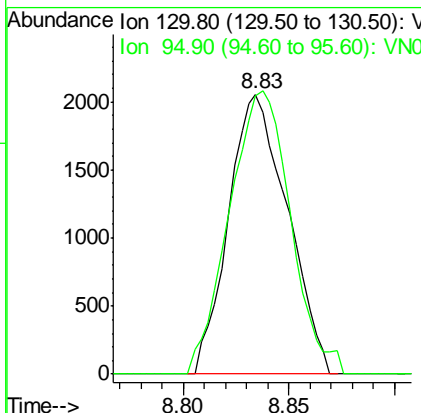
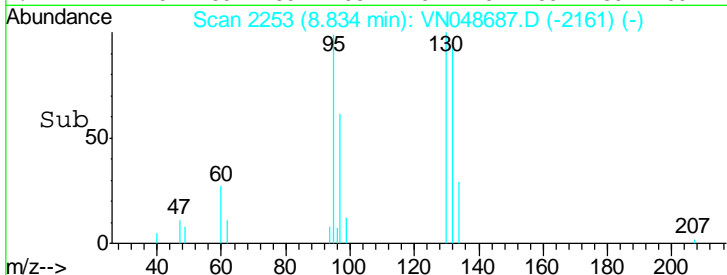
Instrument : MSVOA_N
 Client Sampled : VSTDIC001



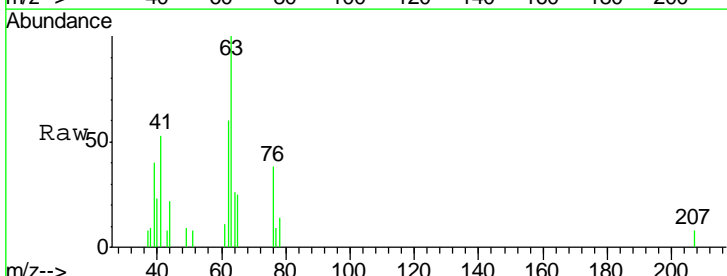
Tgt Ion: 130 Resp: 3984
 Ion Ratio Lower Upper
 130 100
 95 99.2 0.0 191.6

Manual Integrations
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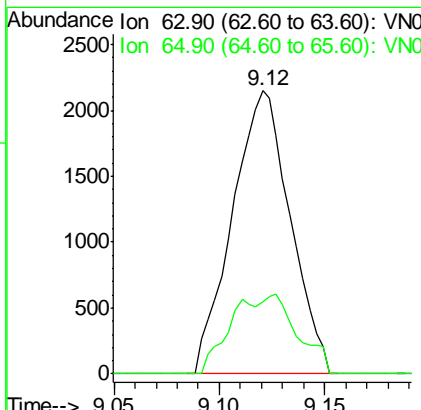
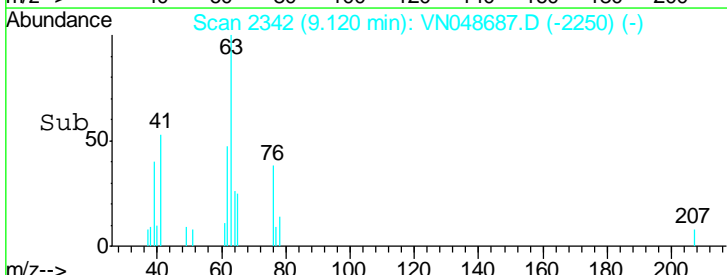
MMDadoda
 5/31/2018 11:12:33 AM

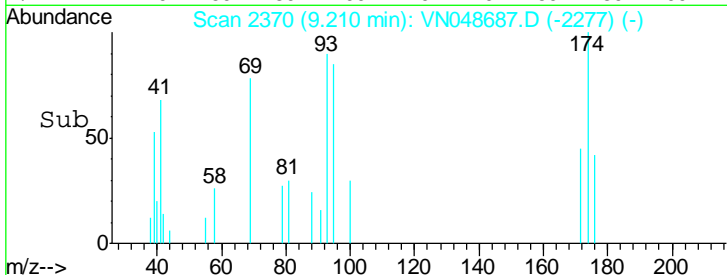
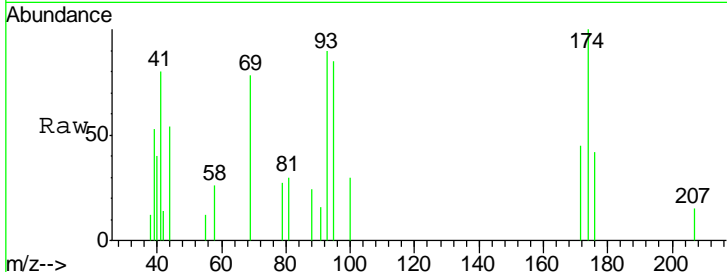
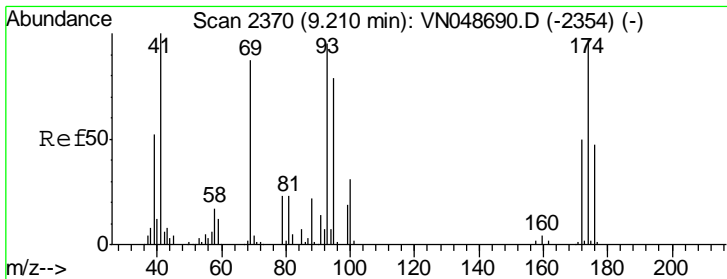


#45
 1,2-Dichloropropane
 Concen: 0.77 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48



Tgt Ion: 63 Resp: 4093
 Ion Ratio Lower Upper
 63 100
 65 25.4 23.9 35.9



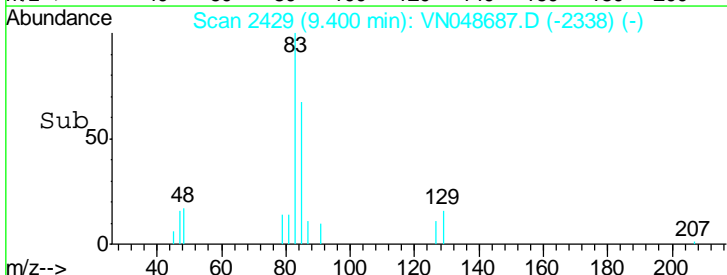
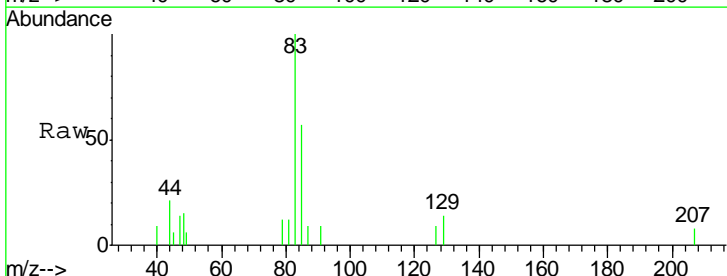
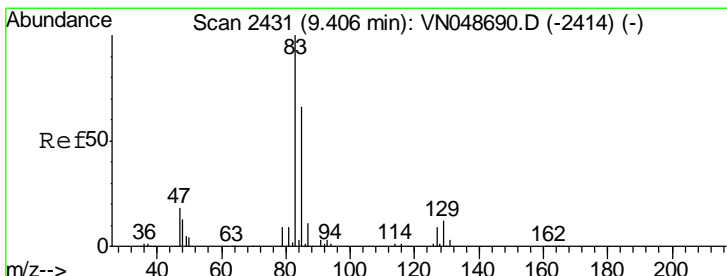
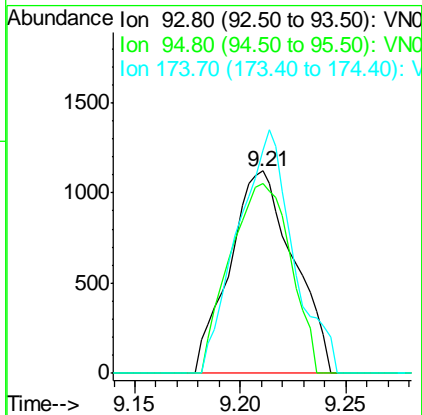


#46
 Dibromomethane
 Concen: 0.73 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
93	100		
95	88.7	66.7	100.1
174	104.3	87.7	131.5

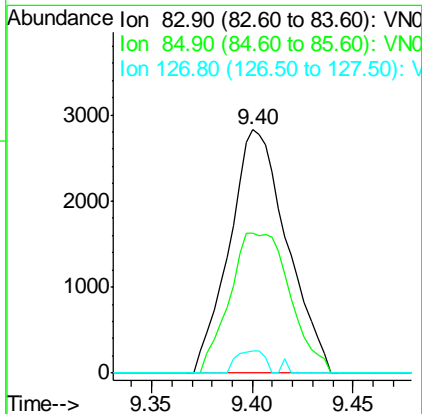
Instrument : MSVOA_N
 ClientSampled : VSTDIC001

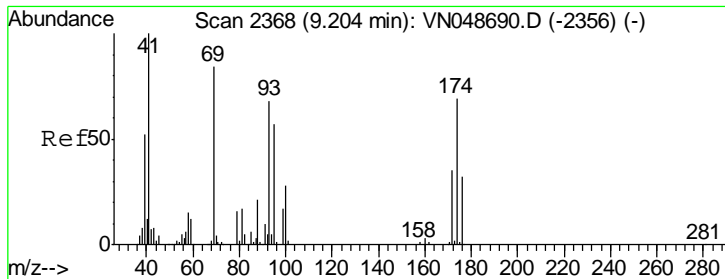
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 5/31/2018 11:12:33 AM



#47
 Bromodichloromethane
 Concen: 0.85 ug/l
 RT: 9.40 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
83	100		
85	57.5	52.1	78.1
127	9.1	7.3	10.9





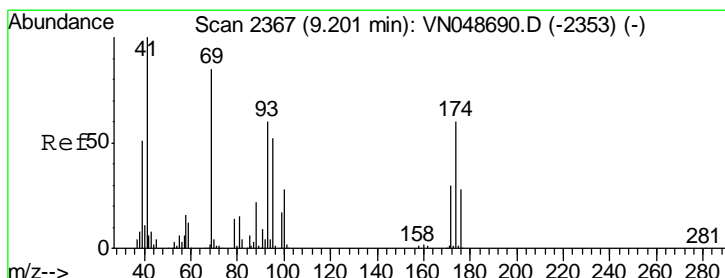
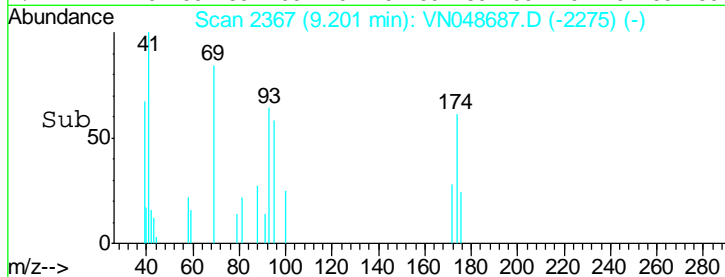
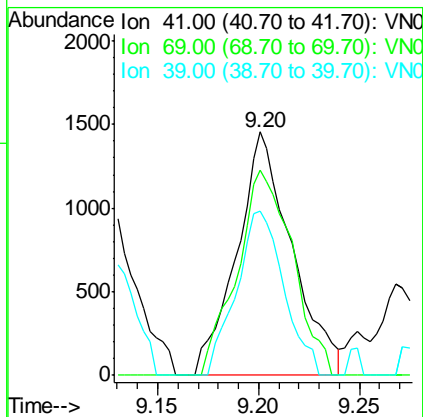
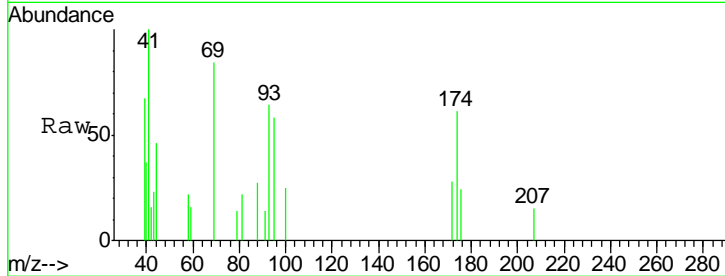
#48
 Methyl methacrylate
 Concen: 0.61 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
41	100		
69	85.0	68.6	103.0
39	58.2	42.3	63.5

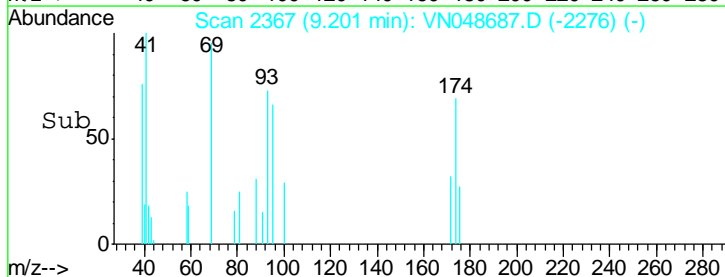
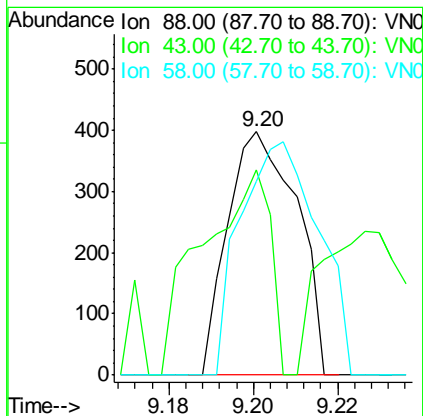
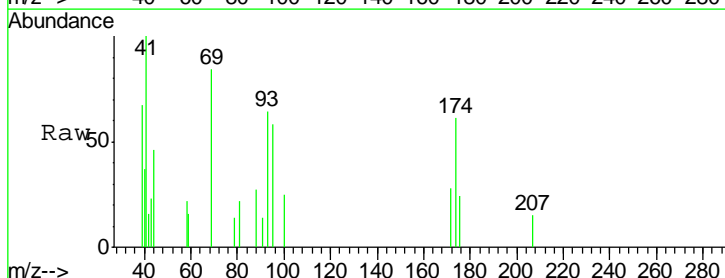
Manual Integrations
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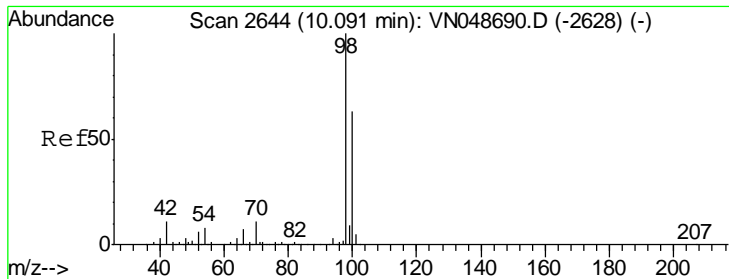
MMDadoda
 5/31/2018 11:12:33 AM



#49
 1,4-Dioxane
 Concen: 7.52 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
88	100		
43	83.0	27.6	41.4#
58	107.9	57.0	85.6#





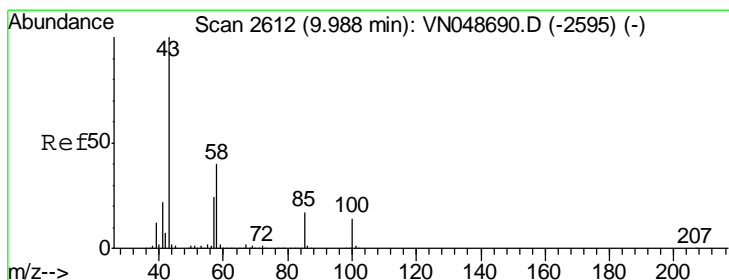
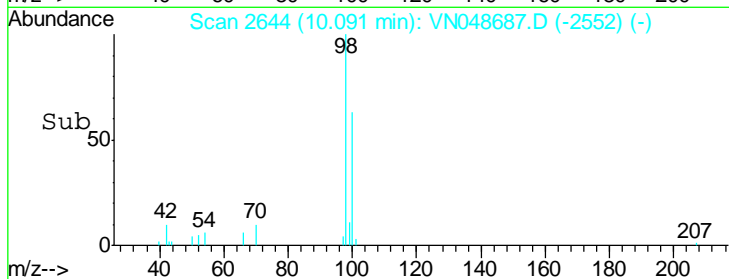
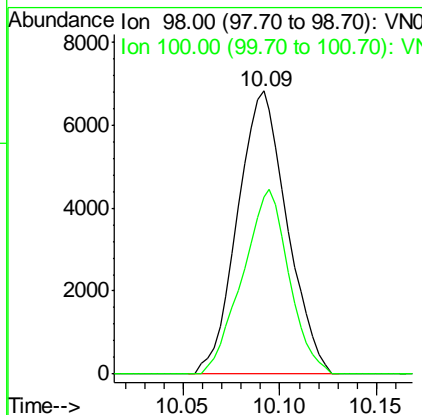
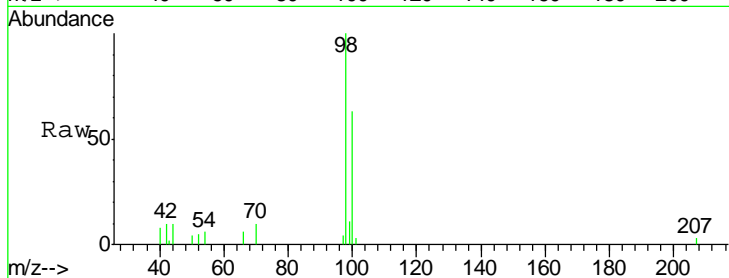
#50
 Toluene-d8
 Concen: 0.70 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
98	12147		
98	100		
100	61.3	51.2	76.8

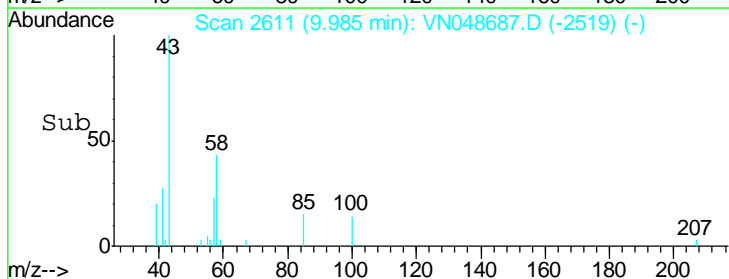
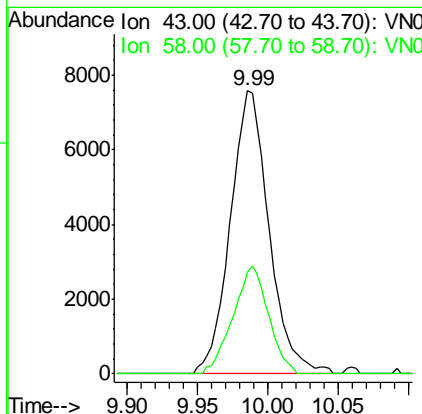
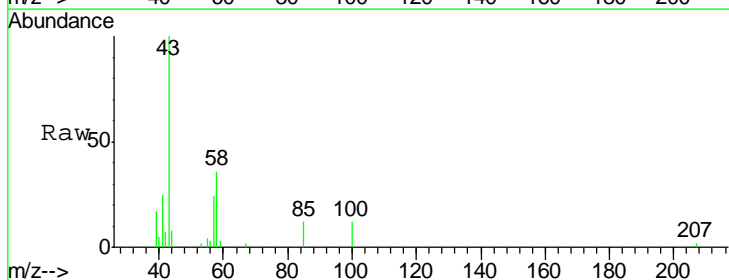
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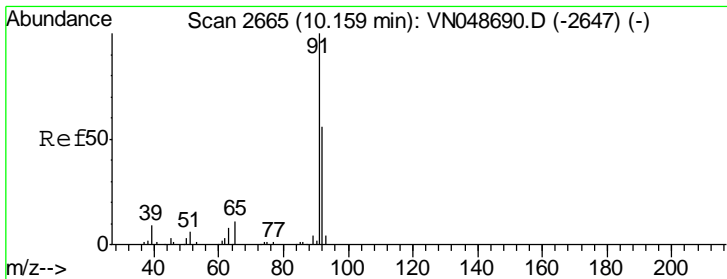
MMDadoda
 5/31/2018 11:12:33 AM



#51
 4-Methyl-2-Pentanone
 Concen: 2.69 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
43	14564		
43	100		
58	34.9	31.0	46.6





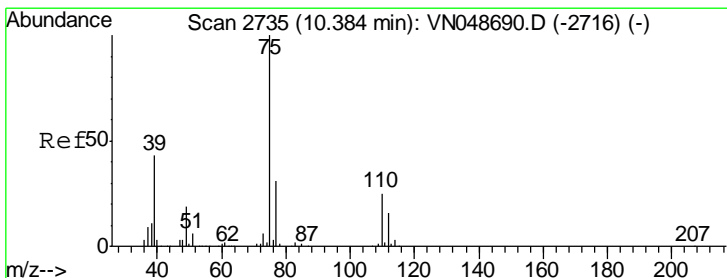
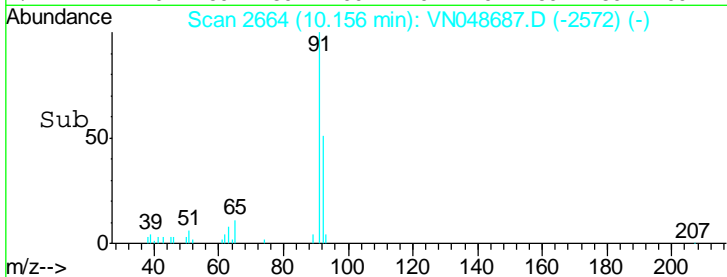
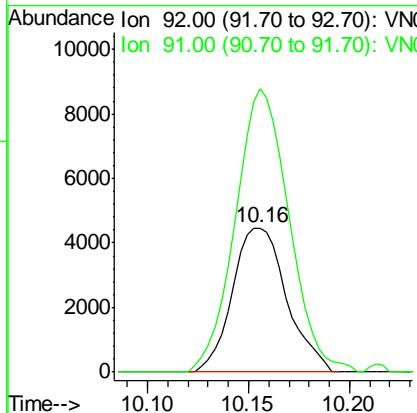
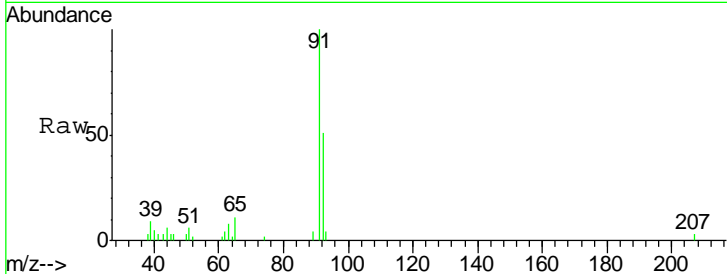
#52
 Toluene
 Concen: 0.73 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
92	8403		
92	100		
91	194.1	141.0	211.4

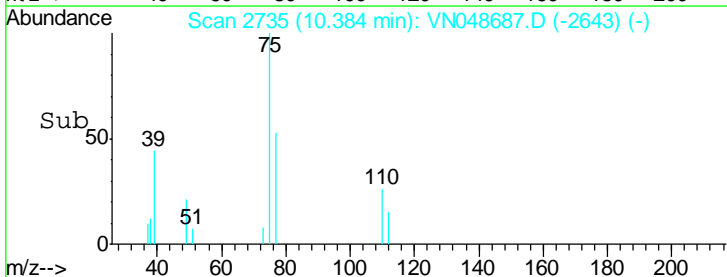
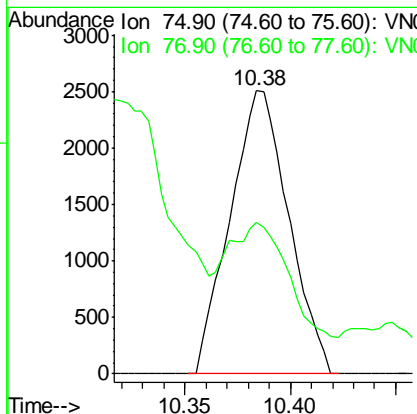
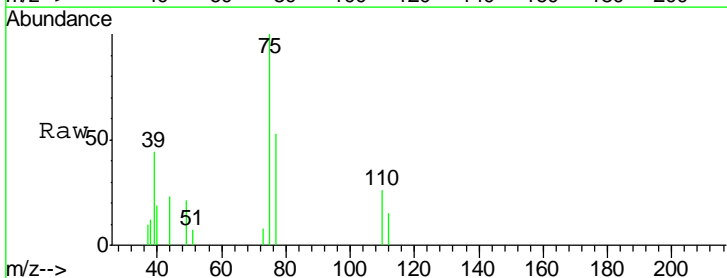
Manual Integrations
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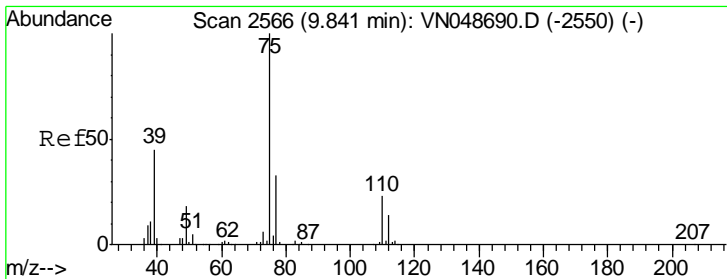
MMDadoda
 5/31/2018 11:12:33 AM



#53
 t-1,3-Dichloropropene
 Concen: 0.71 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
75	4826		
75	100		
77	40.6	24.9	37.3#





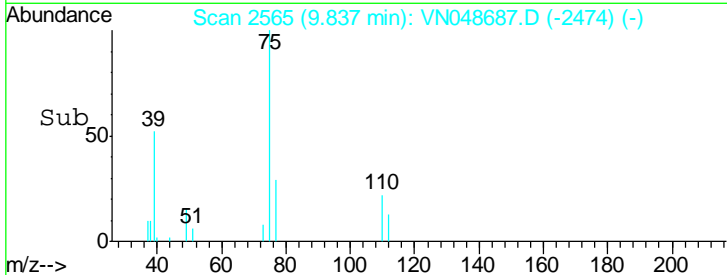
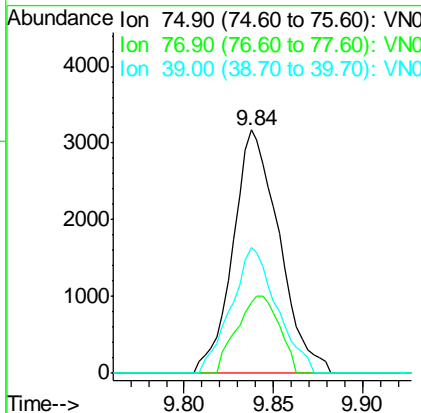
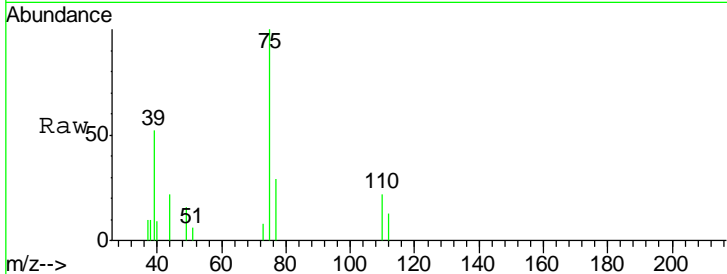
#54
 cis-1,3-Dichloropropene
 Concen: 0.75 ug/l
 RT: 9.84 min Scan# 2565
 Delta R.T. -0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	5731		
75	100		
77	29.3	25.1	37.7
39	51.6	36.7	55.1

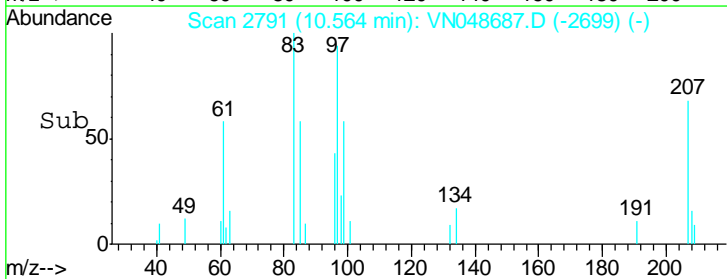
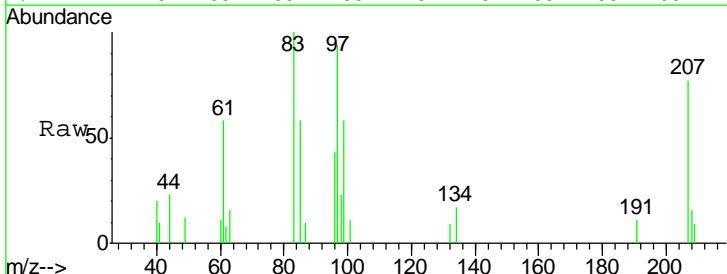
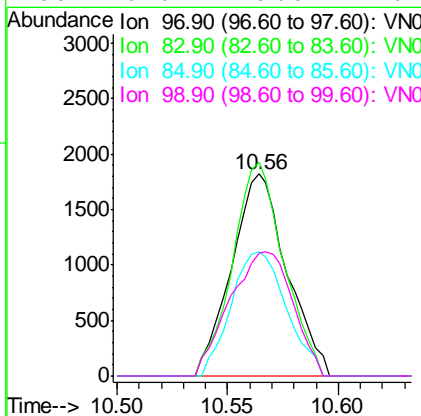
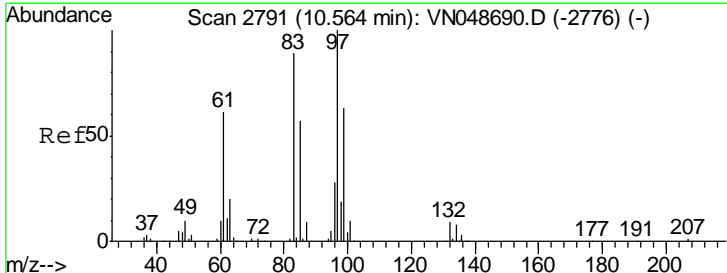
Manual Integrations
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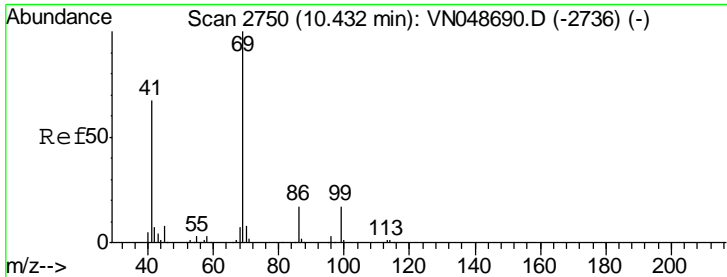
MMDadoda
 5/31/2018 11:12:33 AM



#55
 1,1,2-Trichloroethane
 Concen: 0.71 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
97	3166		
97	100		
83	105.8	68.7	103.1#
85	61.5	43.4	65.2
99	61.2	49.6	74.4





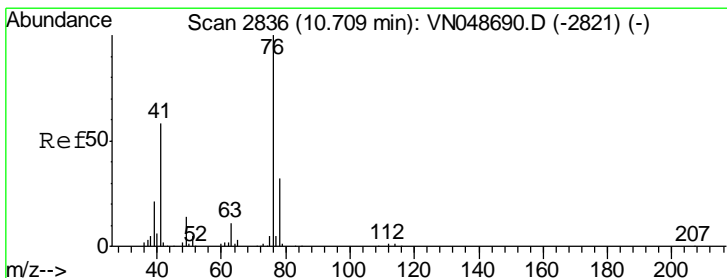
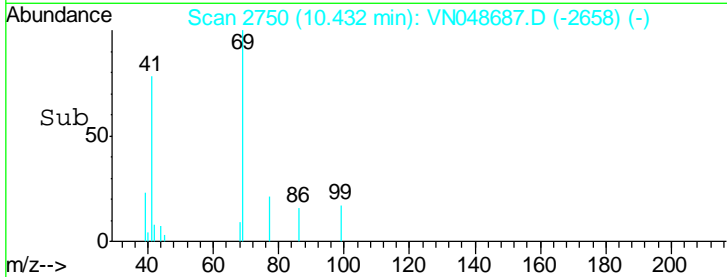
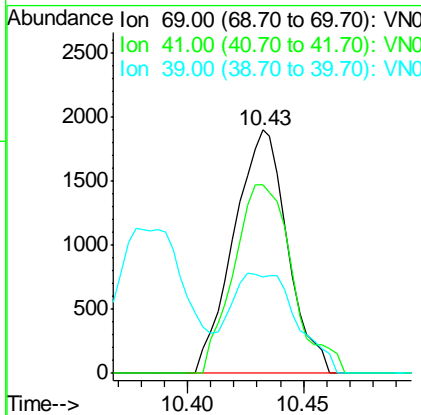
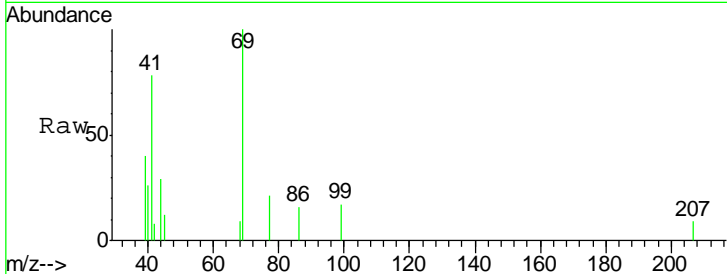
#56
Ethyl methacrylate
Concen: 0.49 ug/l
RT: 10.43 min Scan# 2750
Delta R.T. -0.00 min
Lab File: VN048687.D
Acq: 29 May 2018 10:48

Instrument : MSVOA_N
ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
69	3044		
69	100		
41	84.9	52.3	78.5#
39	51.8	26.4	39.6#

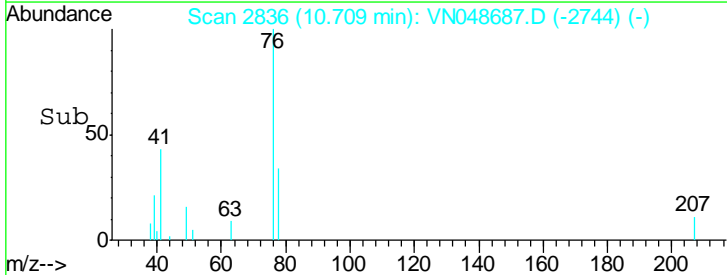
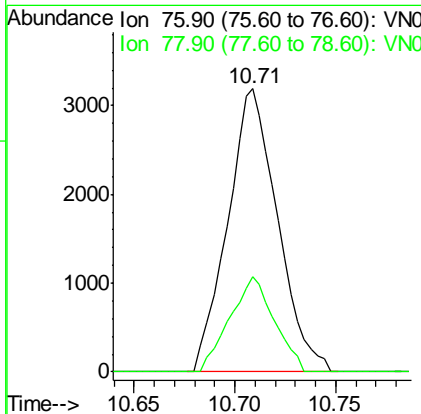
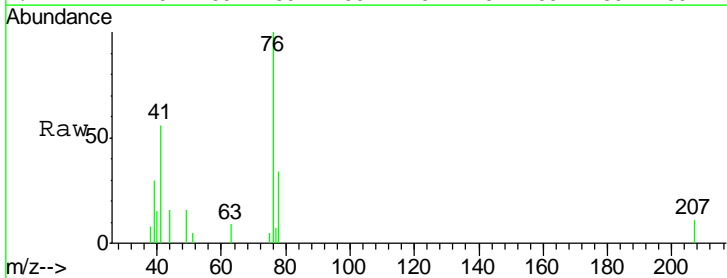
Manual Integrations APPROVED

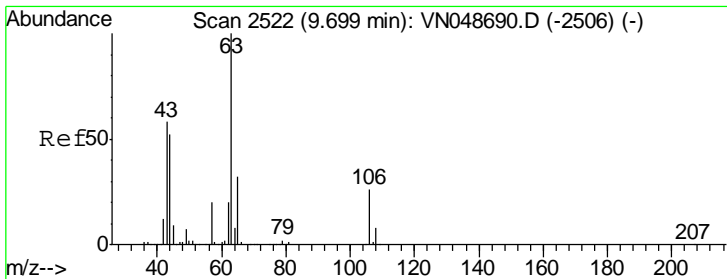
MMDadoda
5/31/2018 11:12:33 AM



#57
1,3-Dichloropropane
Concen: 0.71 ug/l
RT: 10.71 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN048687.D
Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
76	5500		
76	100		
78	30.0	25.7	38.5





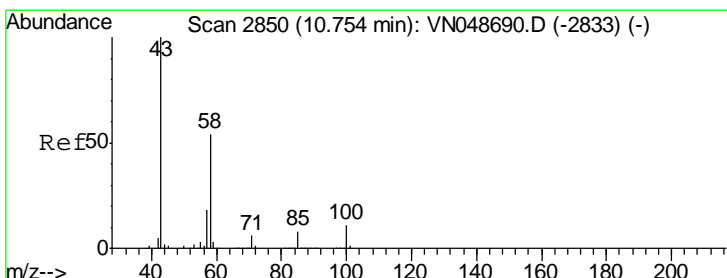
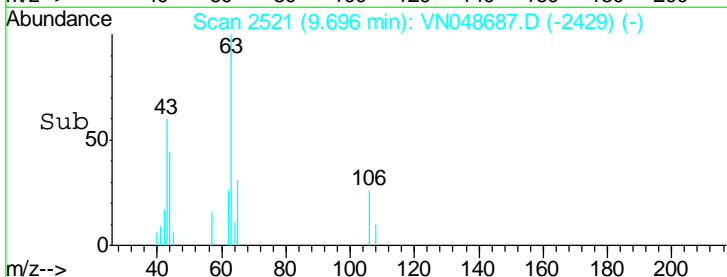
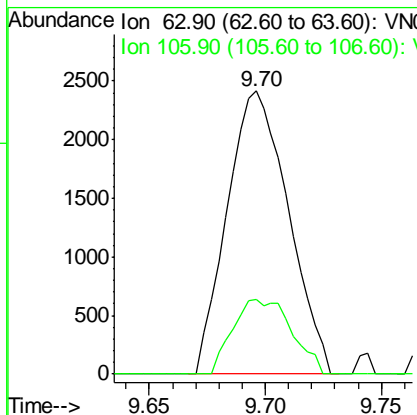
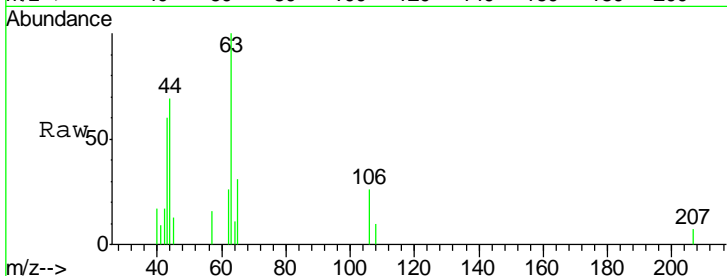
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.73 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
63	4431		
63	100		
106	25.4	21.3	31.9

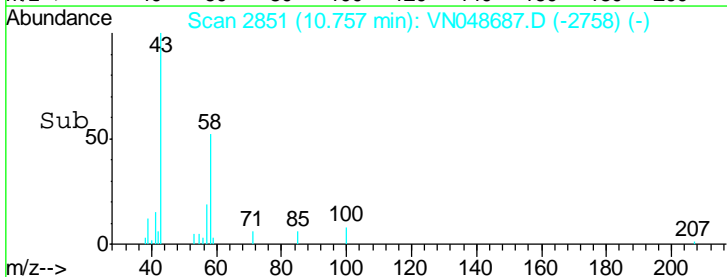
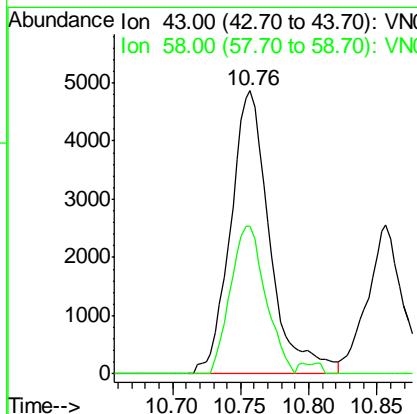
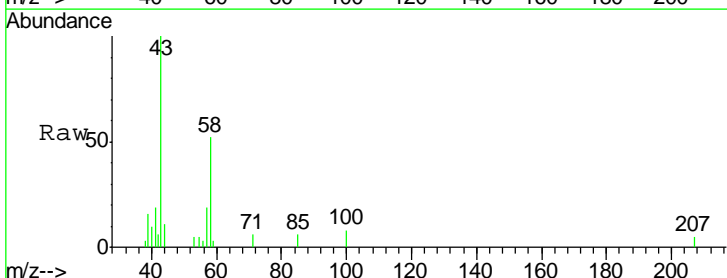
Manual Integrations
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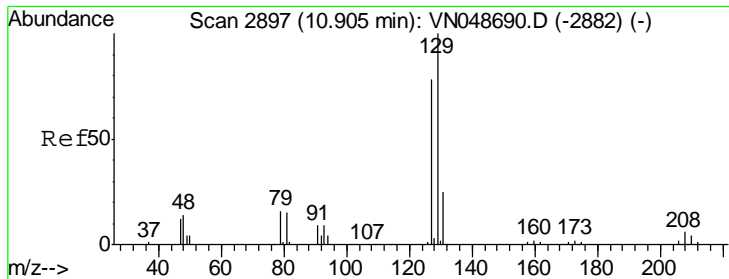
MMDadoda
 5/31/2018 11:12:33 AM



#59
 2-Hexanone
 Concen: 2.58 ug/l
 RT: 10.76 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
43	9720		
43	100		
58	46.7	27.4	82.0





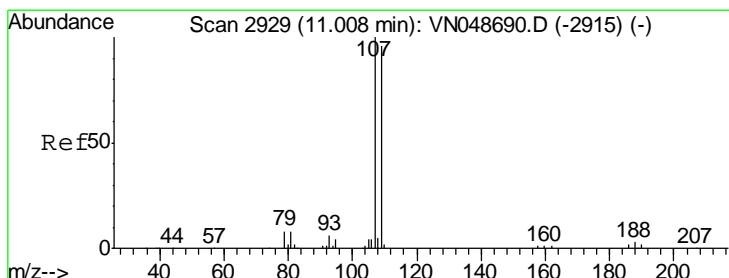
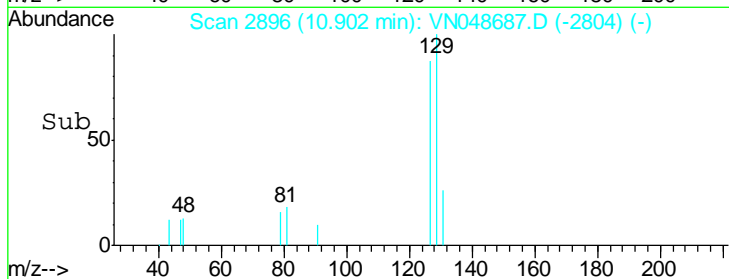
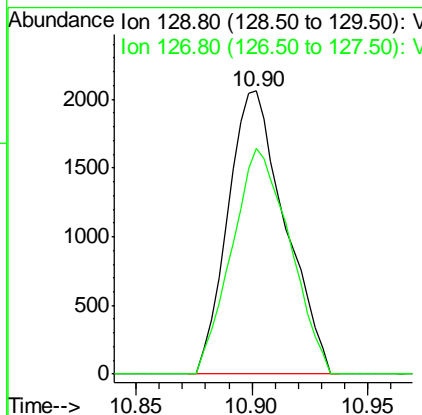
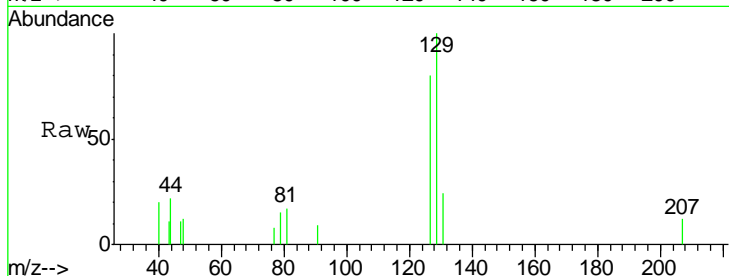
#60
 Dibromochloromethane
 Concen: 0.70 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
129	3529		
127	80.8	38.8	116.4

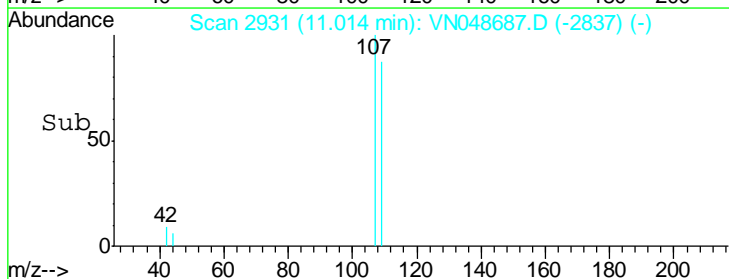
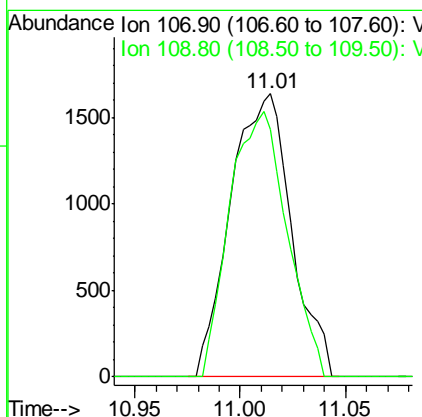
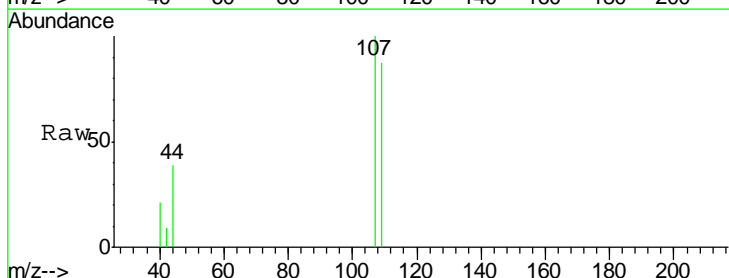
Manual Integrations
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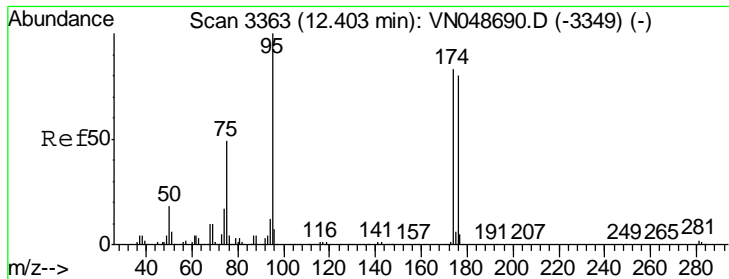
MMDadoda
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#61
 1,2-Dibromoethane
 Concen: 0.71 ug/l
 RT: 11.01 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
107	3276		
109	88.6	74.4	111.6





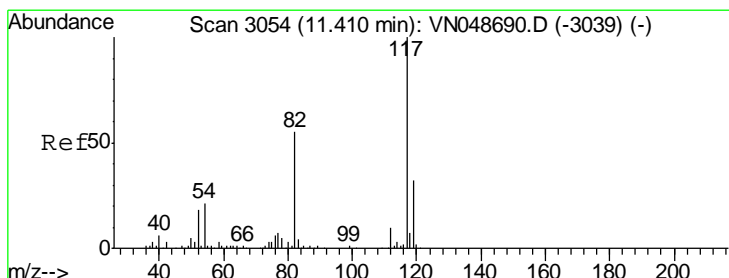
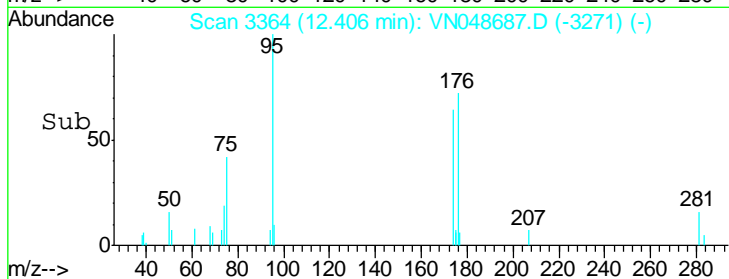
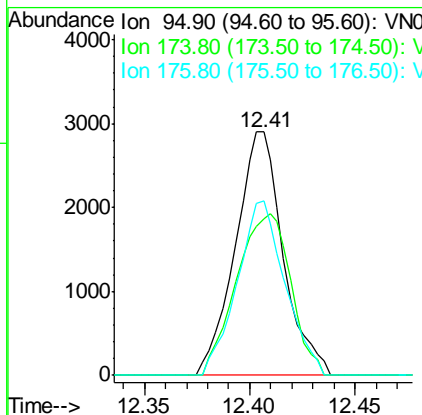
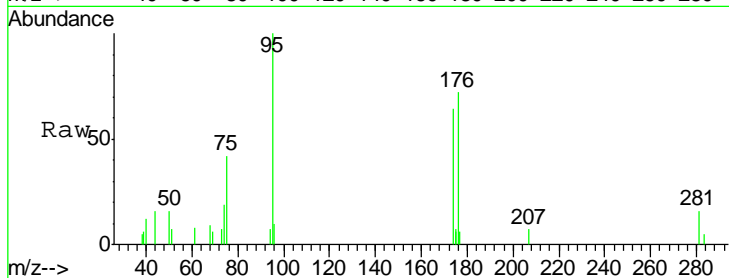
#62
 4-Bromofluorobenzene
 Concen: 0.79 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
95	4566		
95	100		
174	75.3	0.0	173.8
176	71.4	0.0	170.0

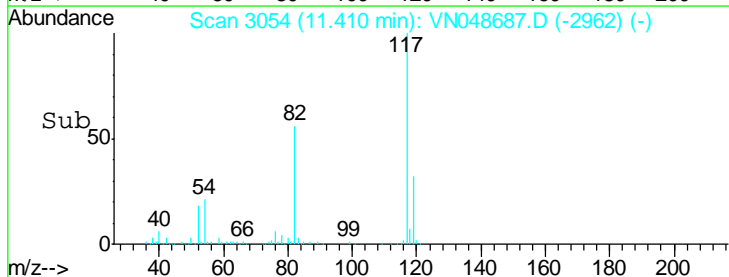
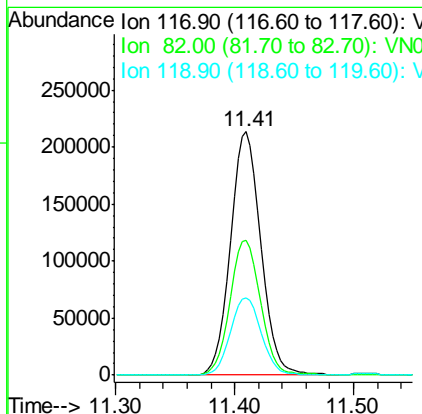
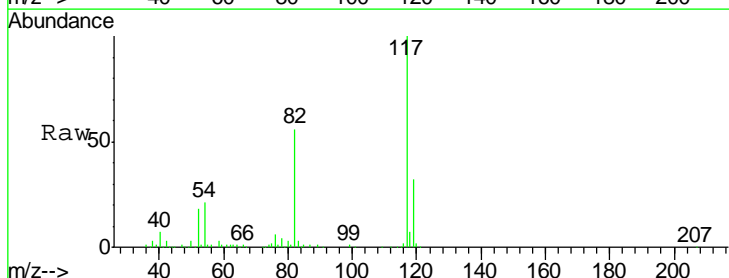
Manual Integrations
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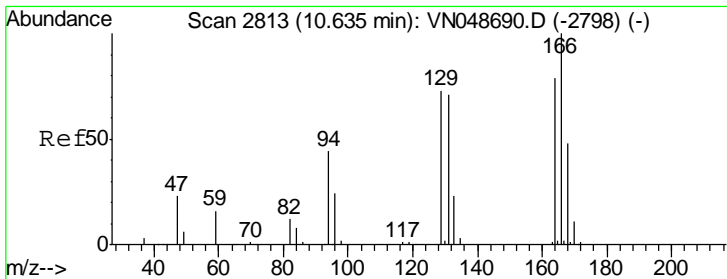
MMDadoda
 5/31/2018 11:12:33 AM



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

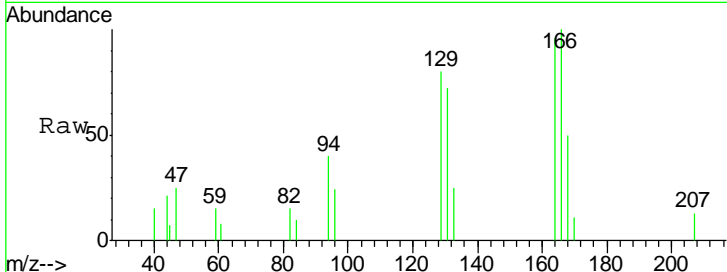
Tgt Ion	Resp	Lower	Upper
117	378691		
117	100		
82	55.6	42.8	64.2
119	31.7	26.0	39.0





#64
 Tetrachloroethene
 Concen: 0.97 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

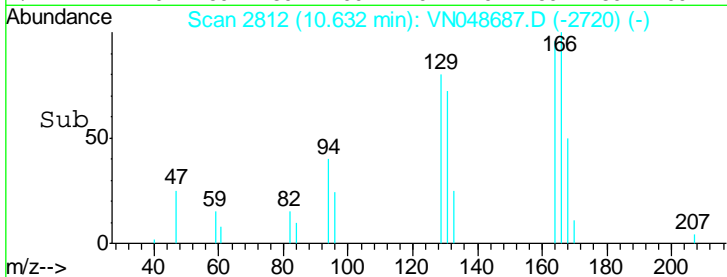
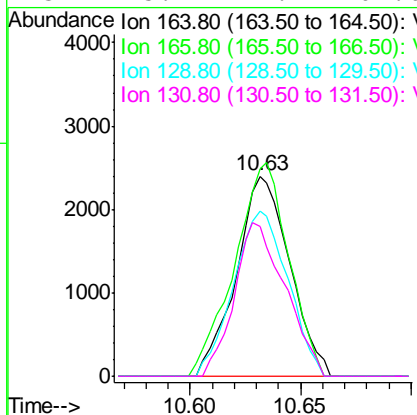


Tgt Ion: 164 Resp: 4021

Ion	Ratio	Lower	Upper
164	100		
166	104.0	102.7	154.1
129	82.8	74.3	111.5
131	75.1	71.4	107.0

Manual Integrations
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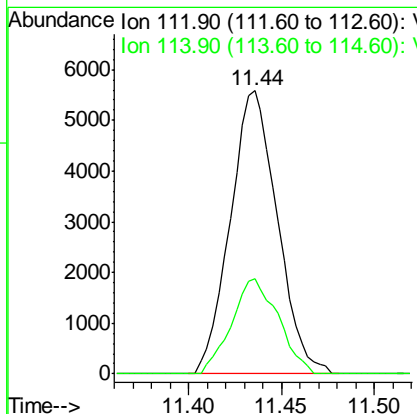
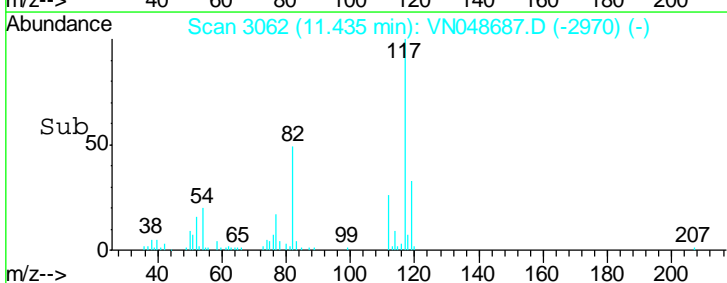
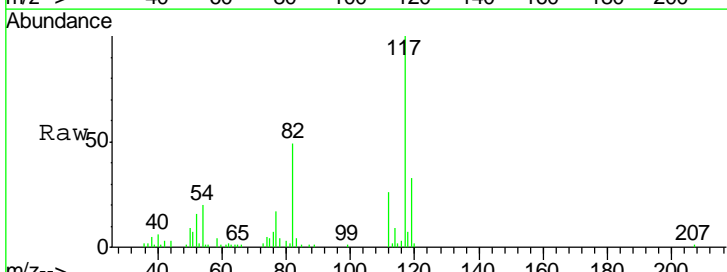
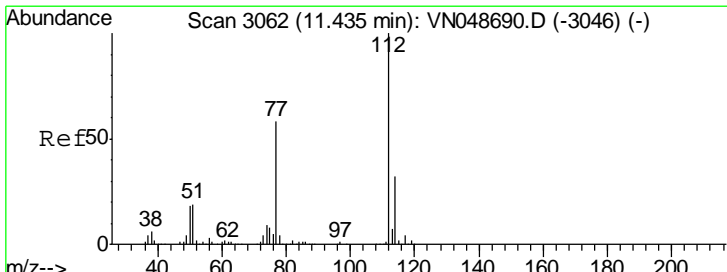
MMDadoda
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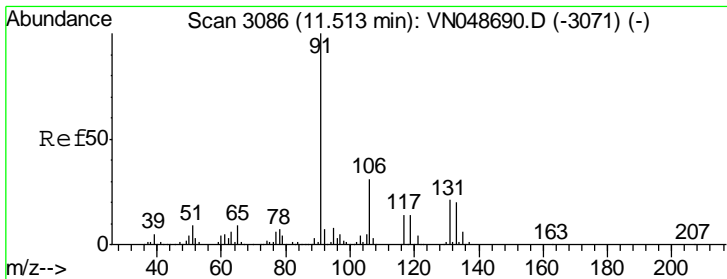


#65
 Chlorobenzene
 Concen: 0.83 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion: 112 Resp: 9856

Ion	Ratio	Lower	Upper
112	100		
114	33.8	25.6	38.4





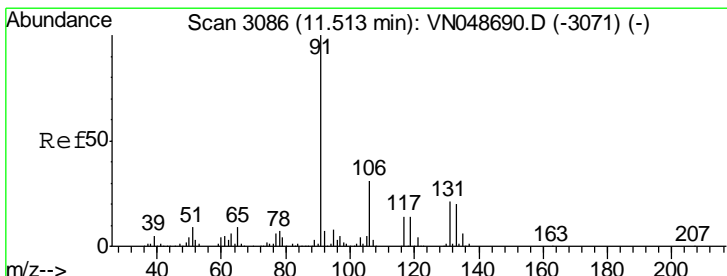
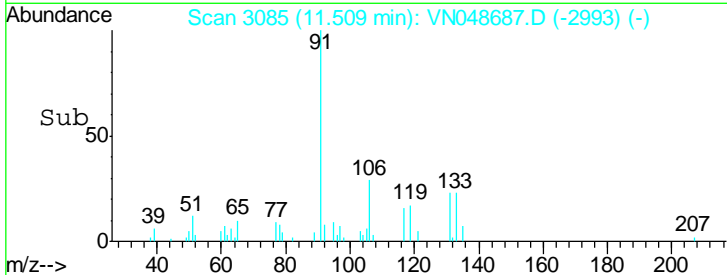
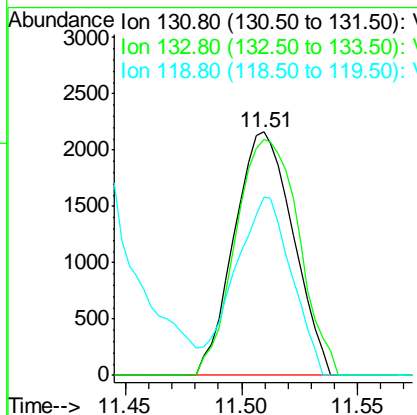
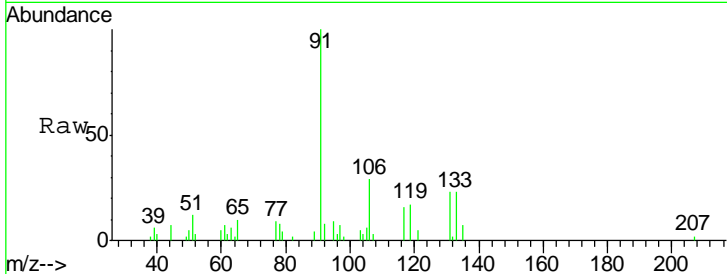
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.87 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
131	3808		
131	100		
133	104.0	47.8	143.4
119	0.0	33.1	99.3#

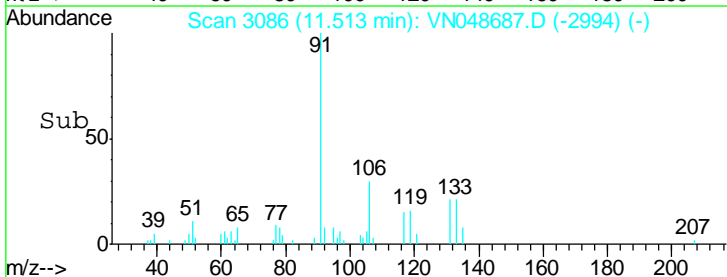
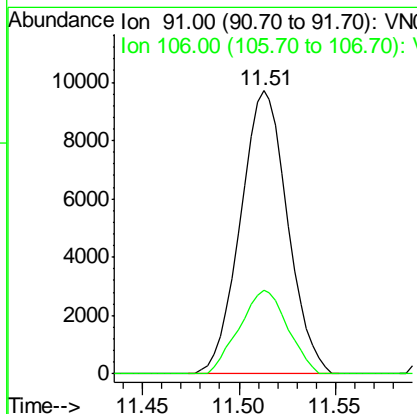
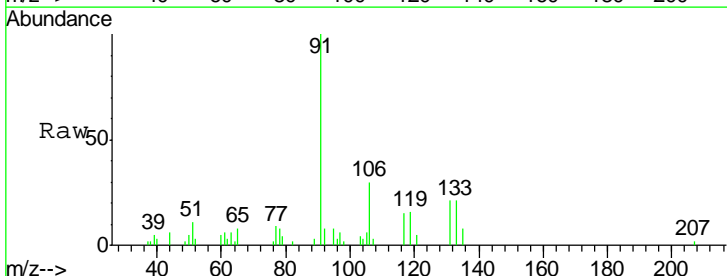
Manual Integrations
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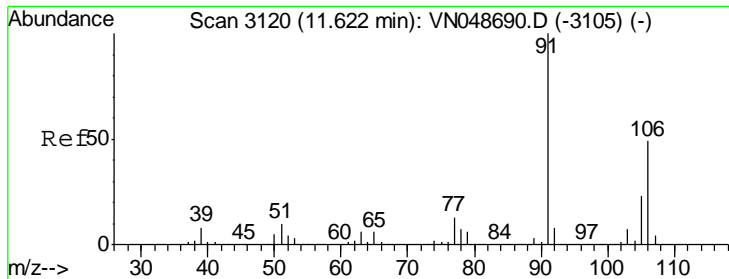
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#67
 Ethyl Benzene
 Concen: 0.81 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
91	16451		
91	100		
106	29.5	24.9	37.3





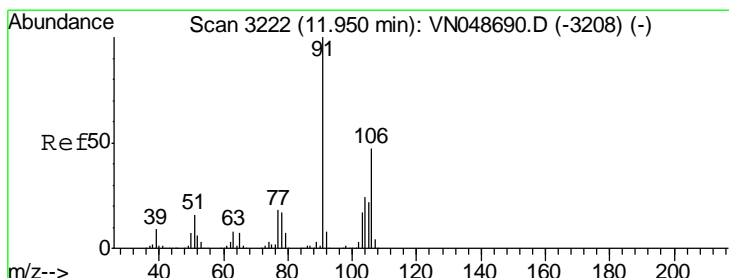
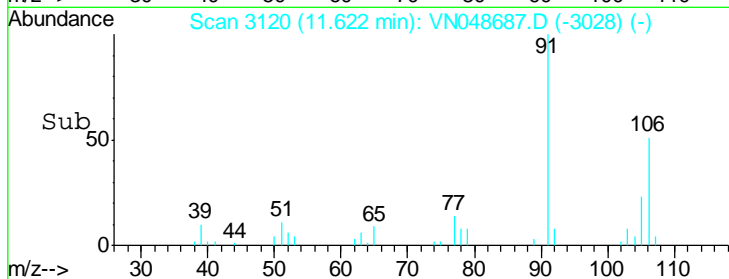
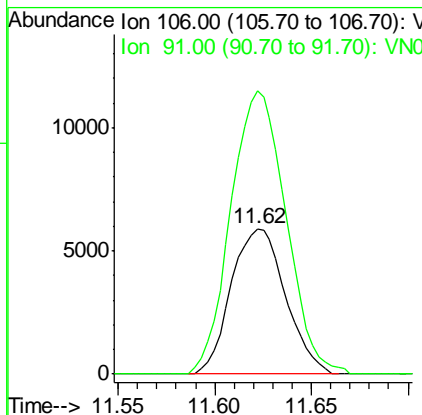
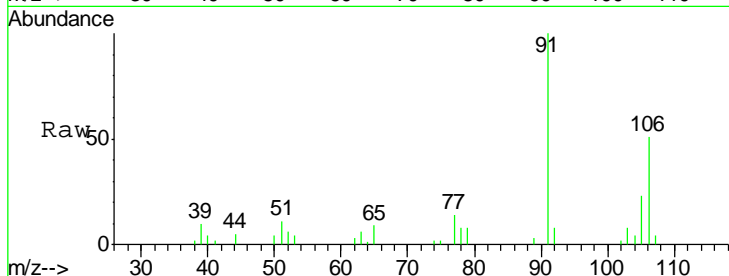
#68
 m/p-Xylenes
 Concen: 1.55 ug/l
 RT: 11.62 min Scan# 3120
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion:106 Resp: 11569
 Ion Ratio Lower Upper
 106 100
 91 196.9 163.4 245.0

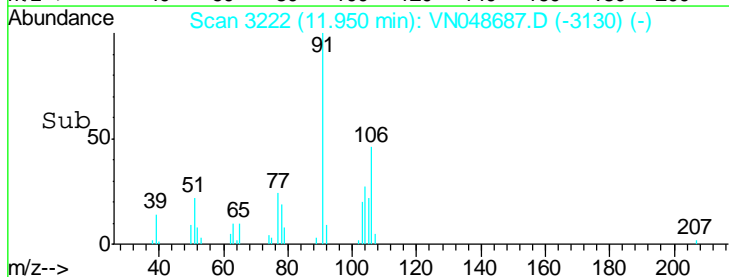
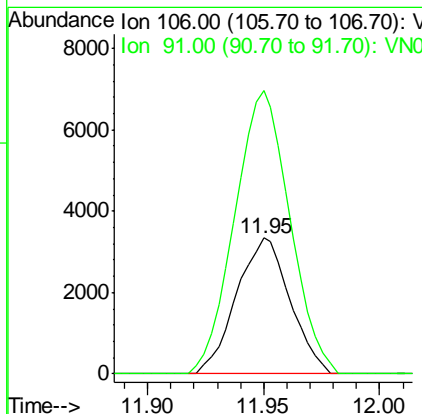
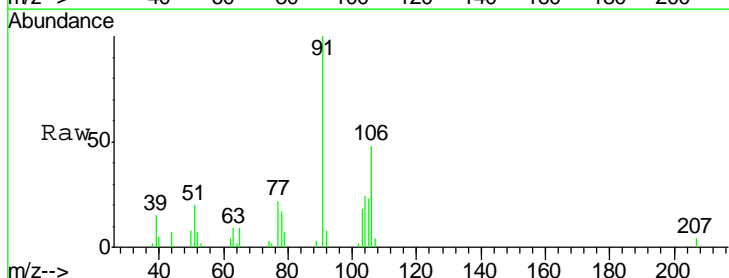
Manual Integrations
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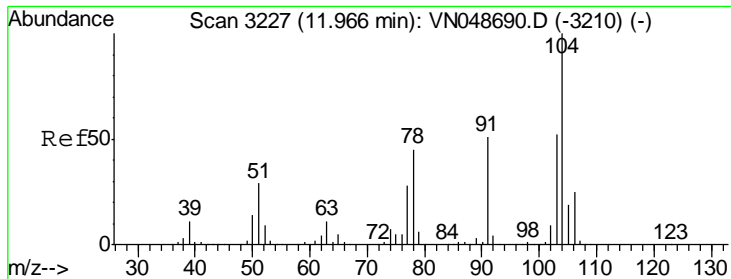
MMDadoda
 5/31/2018 11:12:33 AM



#69
 o-Xylene
 Concen: 0.73 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion:106 Resp: 5359
 Ion Ratio Lower Upper
 106 100
 91 214.6 107.9 323.7





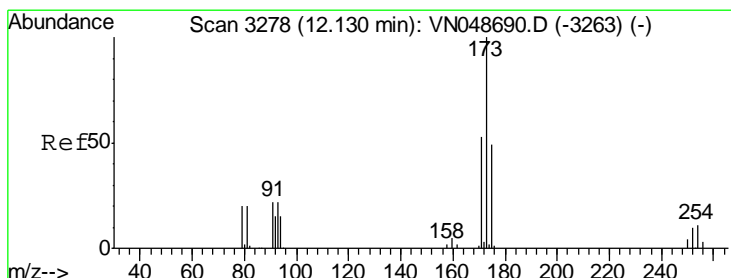
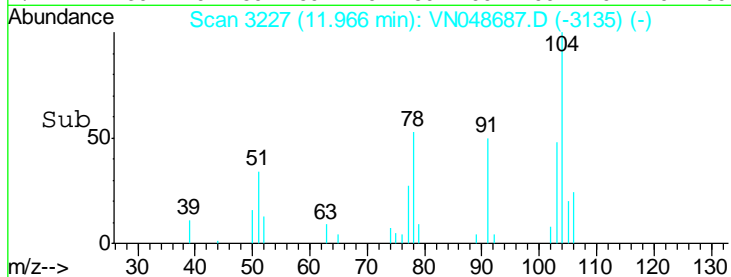
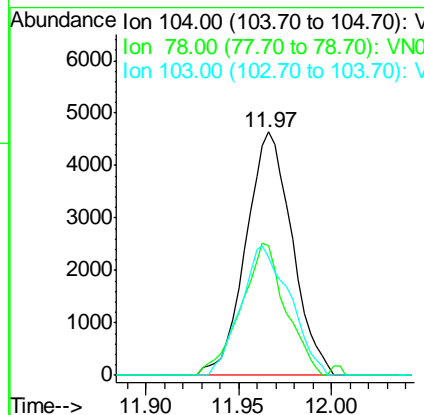
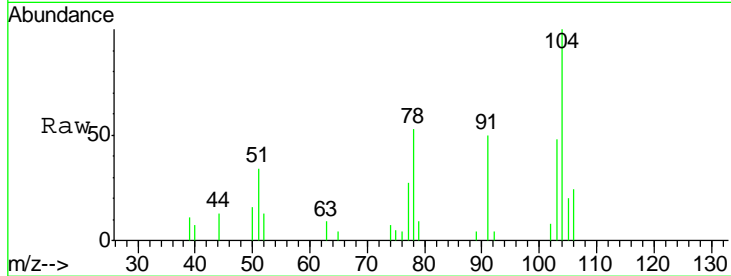
#70
 Styrene
 Concen: 0.69 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
104	100		
78	52.5	39.8	59.8
103	56.7	44.6	66.8

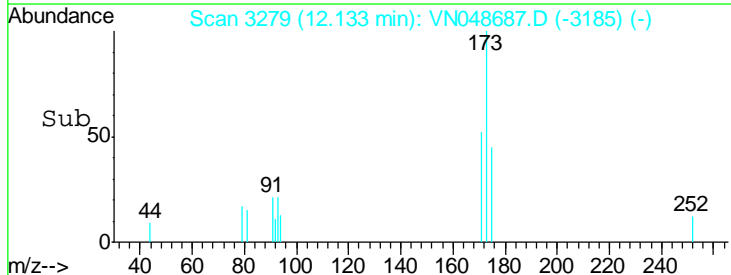
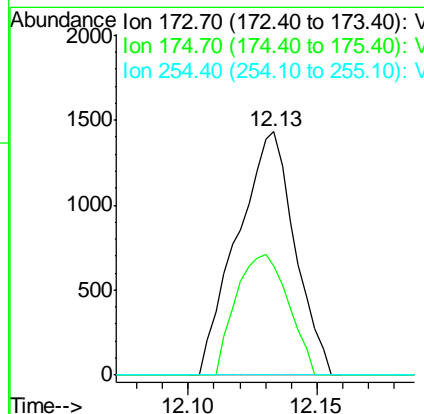
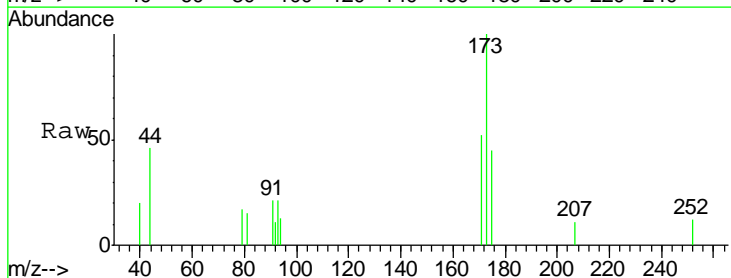
Manual Integrations
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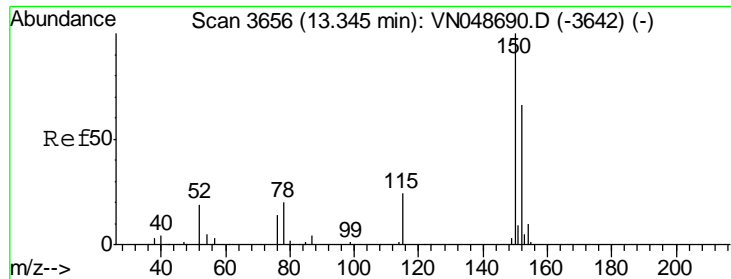
MMDadoda
 5/31/2018 11:12:33 AM



#71
 Bromoform
 Concen: 0.67 ug/l
 RT: 12.13 min Scan# 3279
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
173	100		
175	45.3	23.9	71.8
254	0.0	0.0	0.0





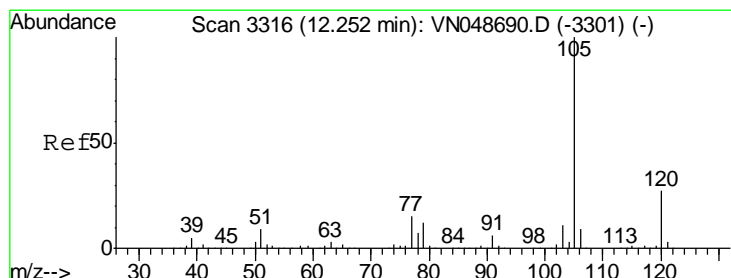
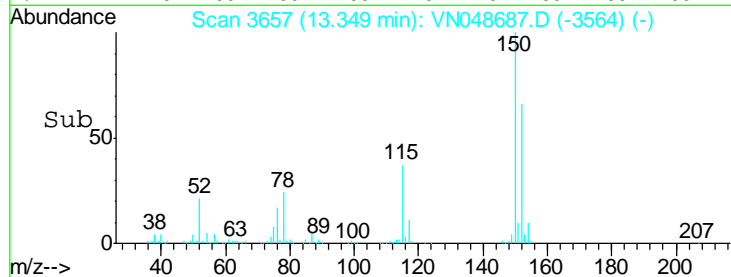
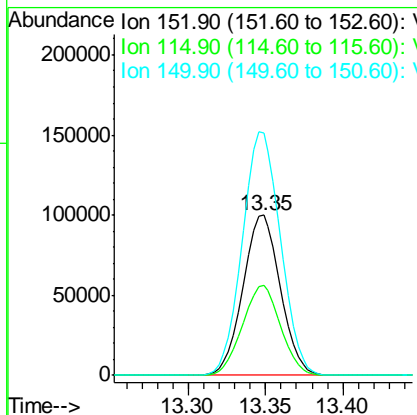
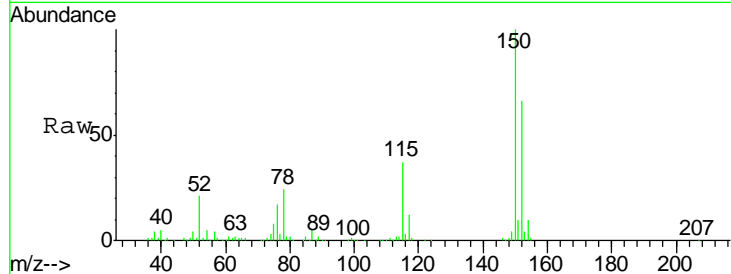
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
152	168152		
152	100		
115	57.1	28.1	84.4
150	155.3	0.0	353.0

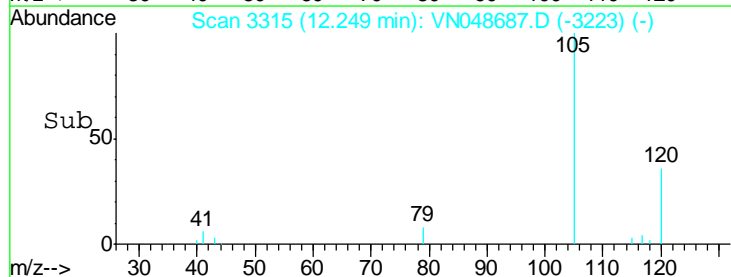
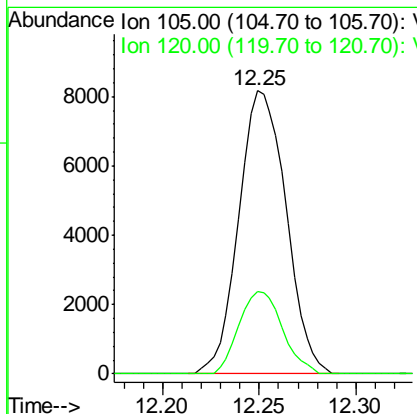
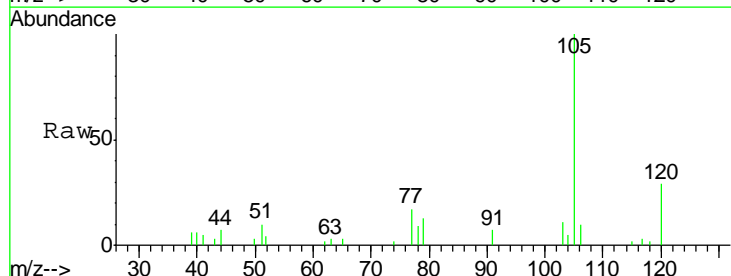
Manual Integrations
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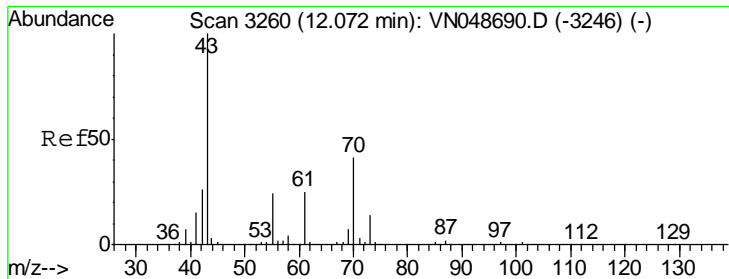
MMDadoda
 5/31/2018 11:12:33 AM



#73
 Isopropylbenzene
 Concen: 0.85 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

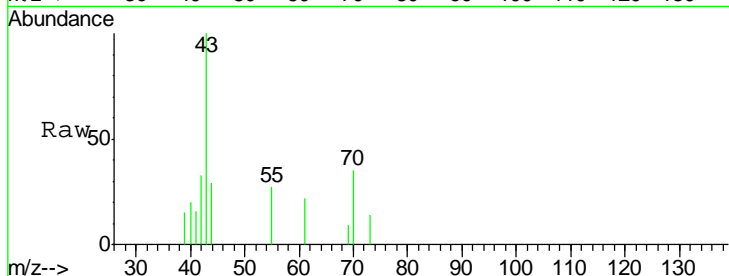
Tgt Ion	Resp	Lower	Upper
105	13885		
105	100		
120	26.8	13.3	39.9





#74
 N-amyl acetate
 Concen: 0.66 ug/l
 RT: 12.08 min Scan# 3261
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

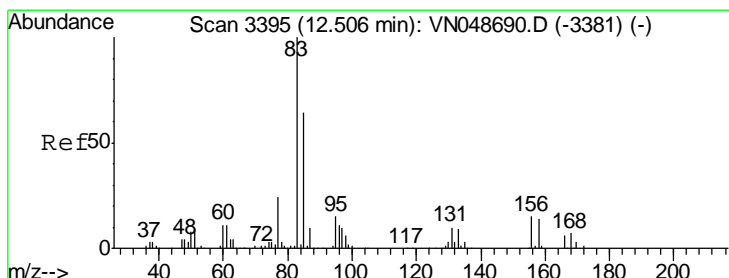
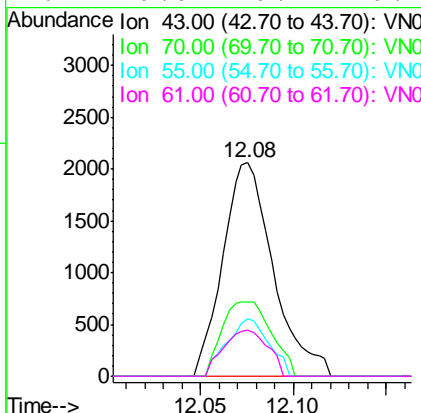
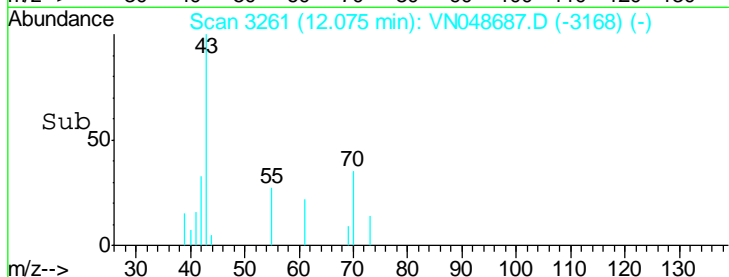


Tgt Ion: 43 Resp: 3894

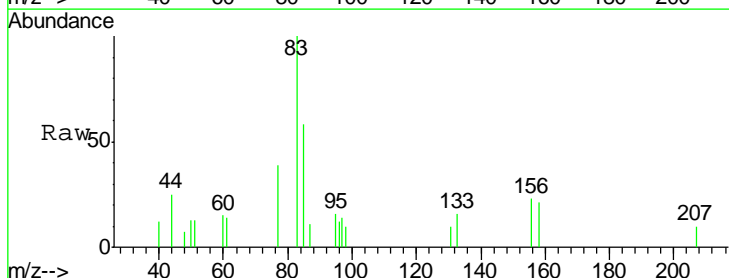
Ion	Ratio	Lower	Upper
43	100		
70	33.8	33.7	50.5
55	22.5	19.3	28.9
61	19.0	19.4	29.2

Manual Integrations
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MMDadoda
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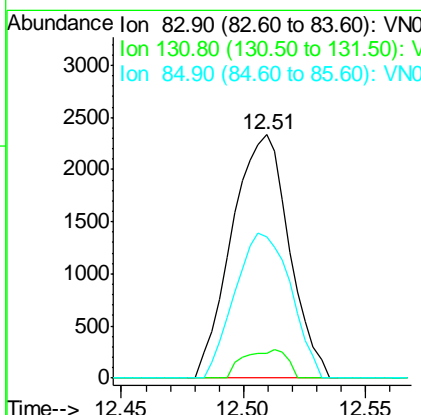
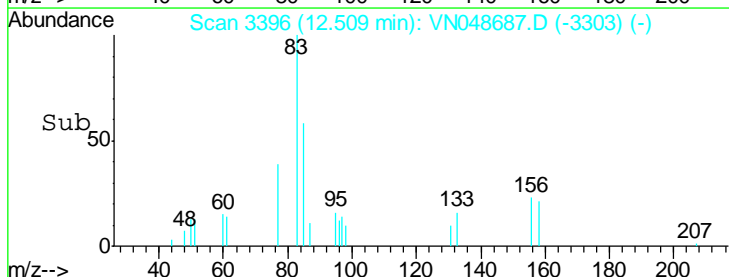


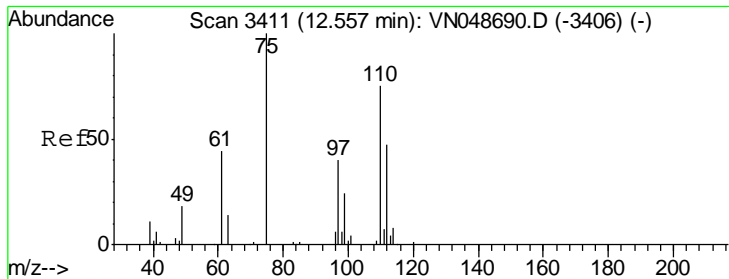
#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.76 ug/l
 RT: 12.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48



Tgt Ion: 83 Resp: 3800

Ion	Ratio	Lower	Upper
83	100		
131	8.8	5.3	15.8
85	58.1	32.4	97.0





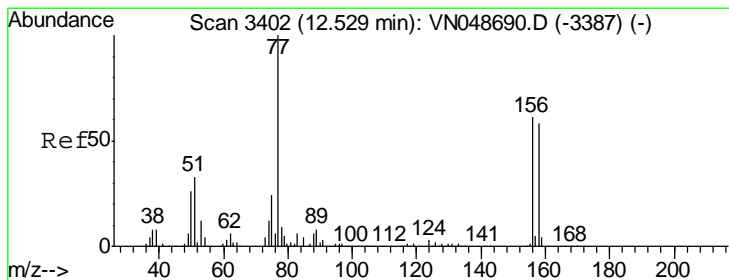
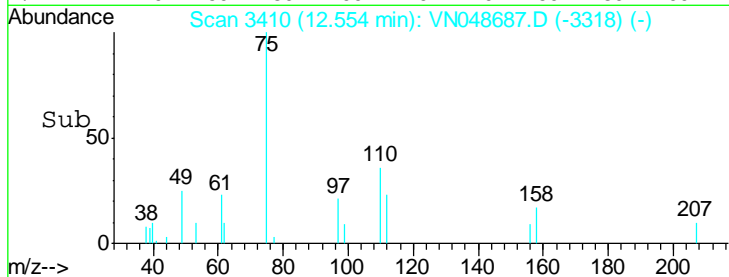
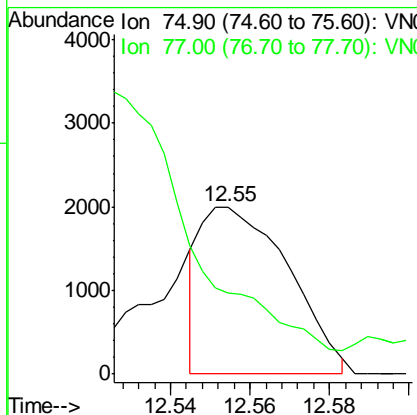
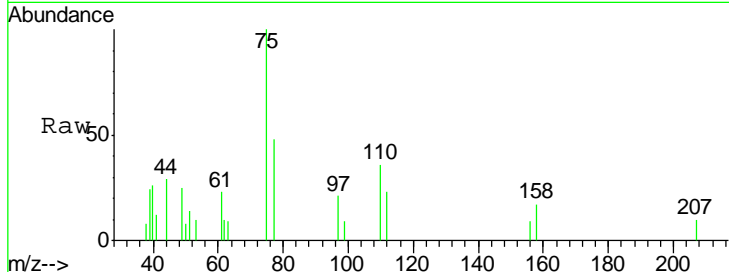
#76
 1,2,3-Trichloropropane
 Concen: 0.82 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0

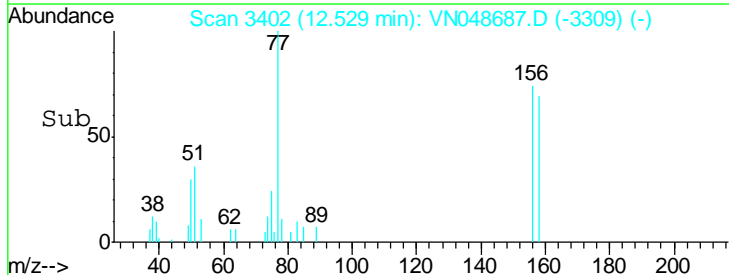
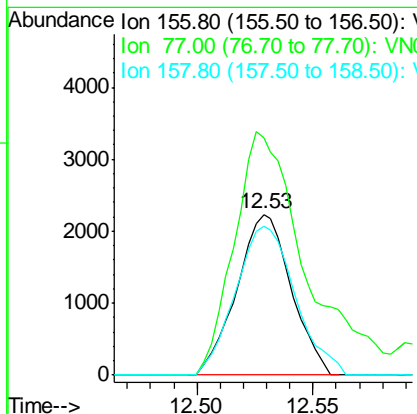
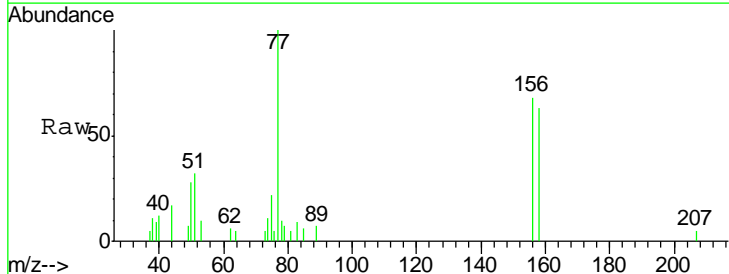
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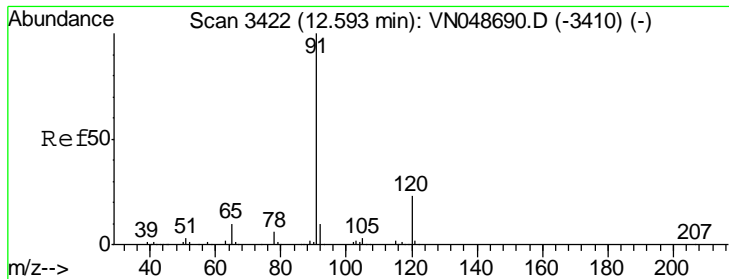
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 5/31/2018 11:12:33 AM



#77
 Bromobenzene
 Concen: 0.91 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
156	100		
77	199.4	93.3	280.1
158	102.0	48.9	146.6





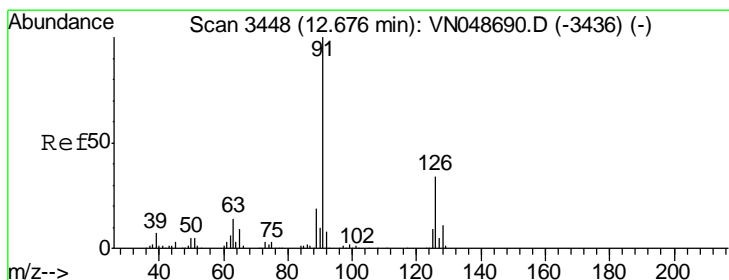
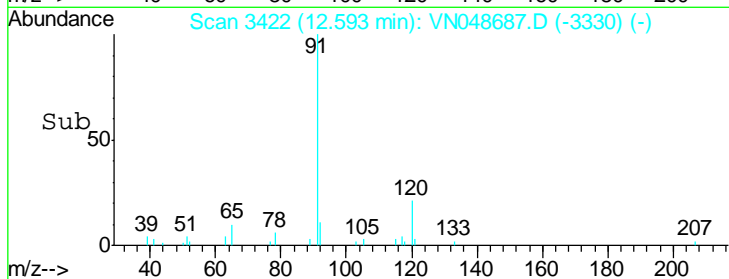
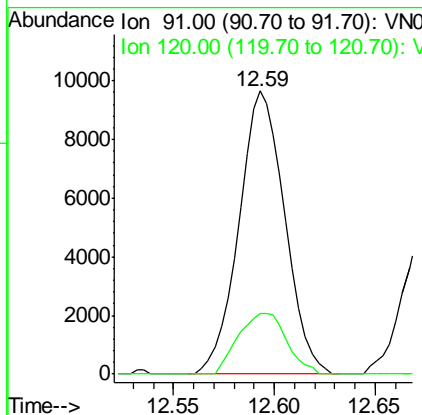
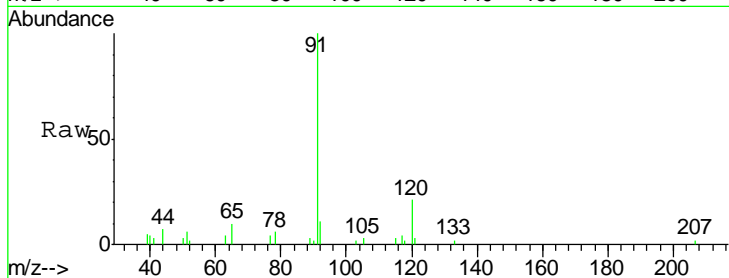
#78
 n-propylbenzene
 Concen: 0.82 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	100		
120	22.7	11.7	35.1

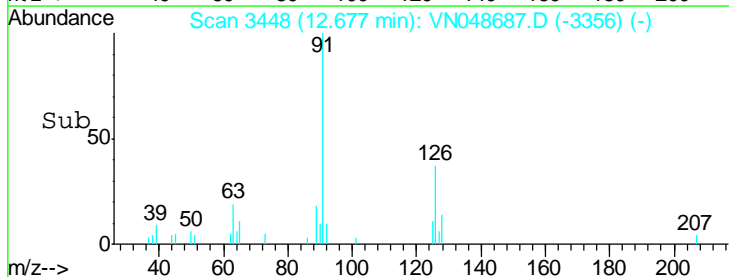
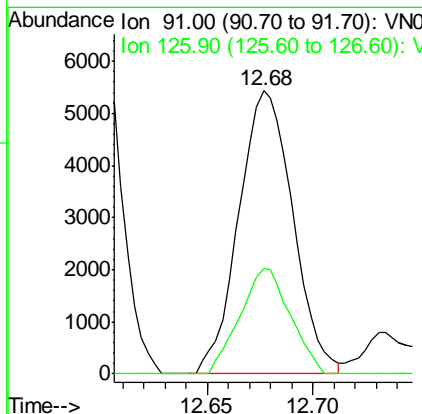
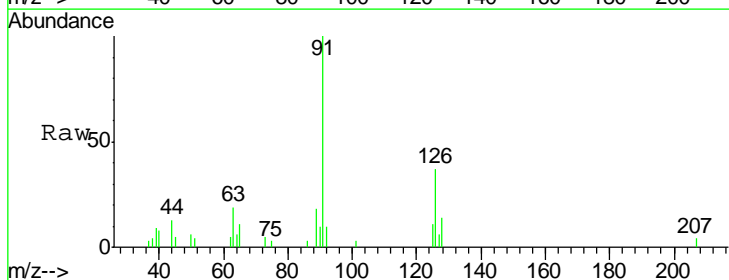
Manual Integrations
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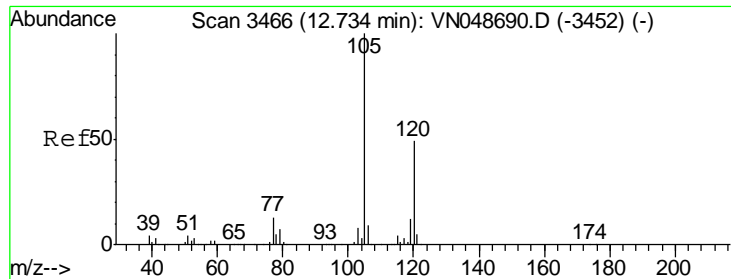
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#79
 2-Chlorotoluene
 Concen: 0.85 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.4	17.5	52.5





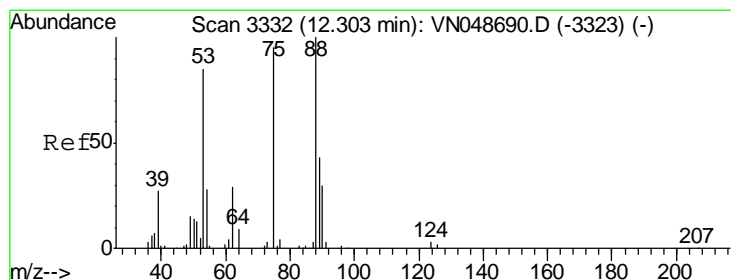
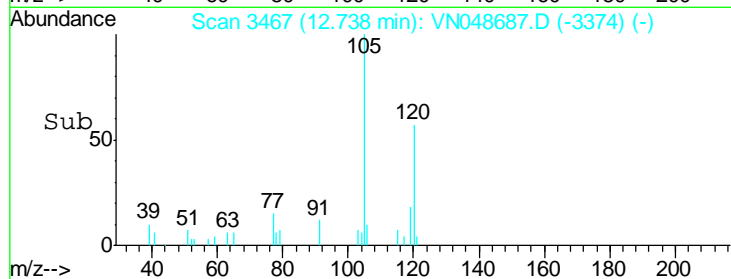
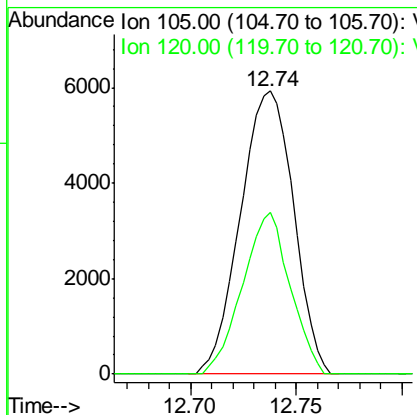
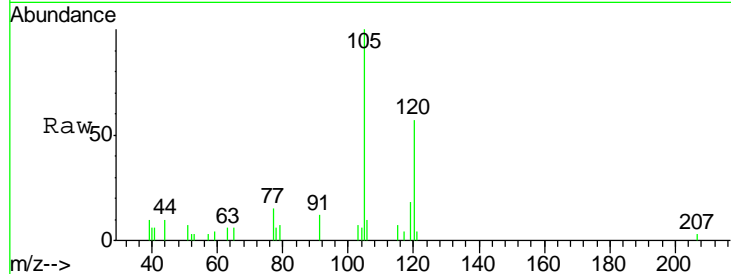
#80
 1,3,5-Trimethylbenzene
 Concen: 0.78 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	10373		
105	100		
120	51.1	24.3	72.9

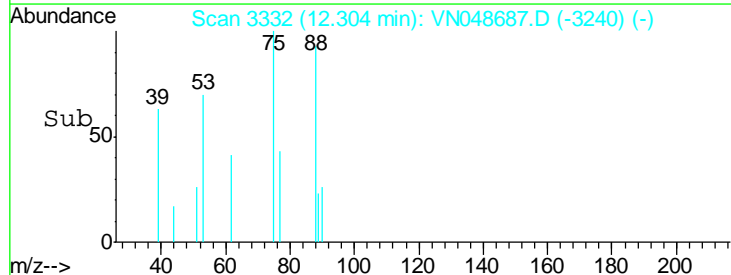
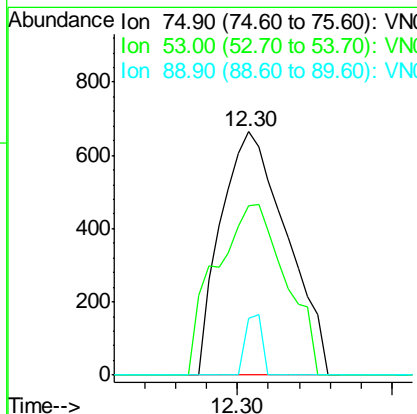
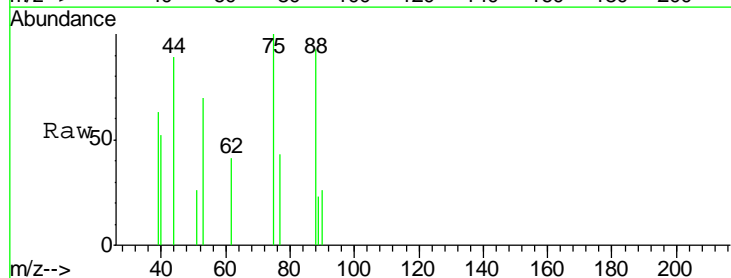
Manual Integrations
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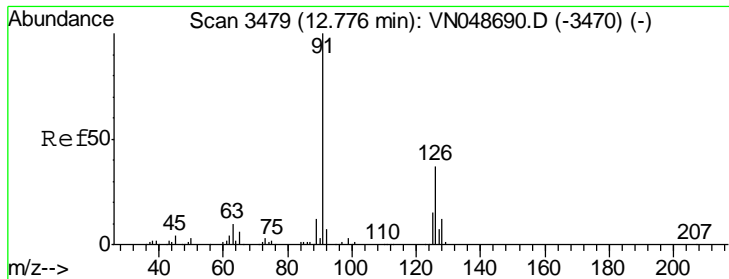
MMDadoda
 5/31/2018 11:12:33 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.79 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
75	984		
75	100		
53	74.6	72.0	108.0
89	6.3	35.2	52.8#





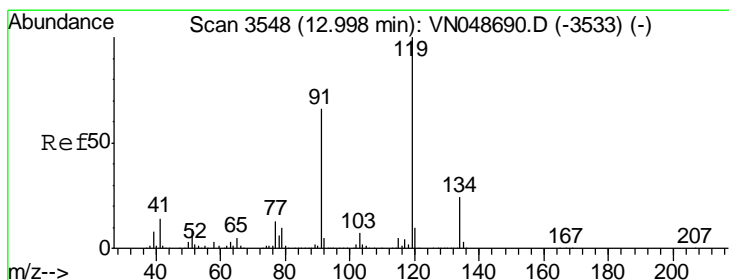
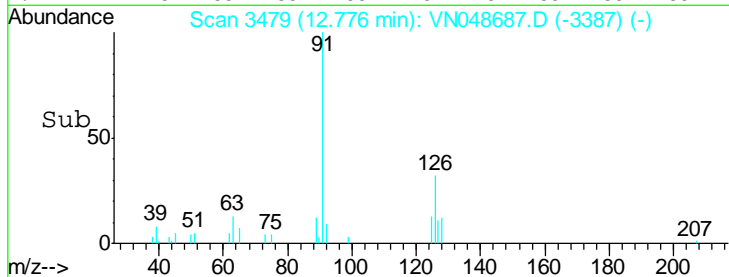
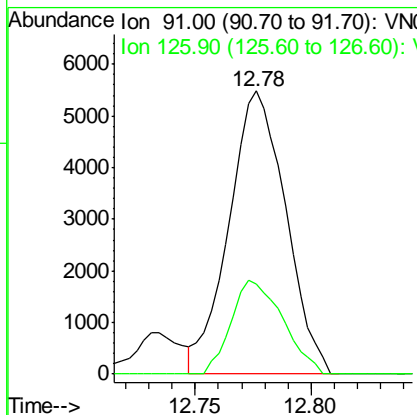
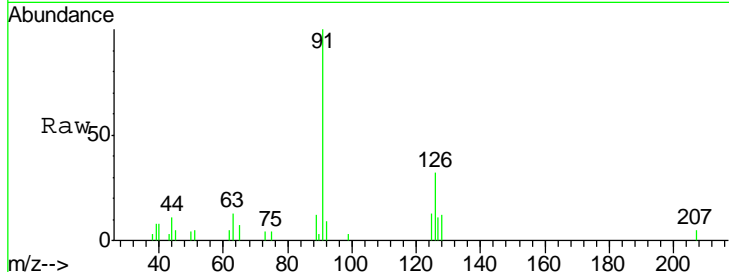
#82
 4-Chlorotoluene
 Concen: 0.84 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	100		
126	30.2	17.2	51.6

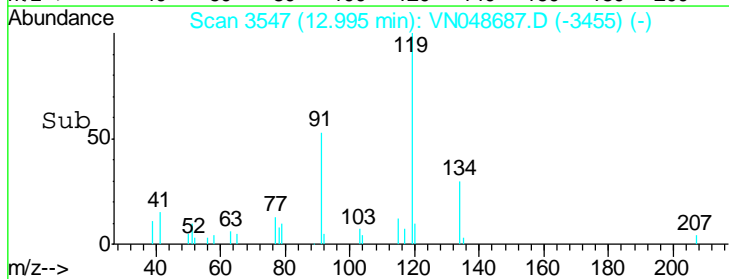
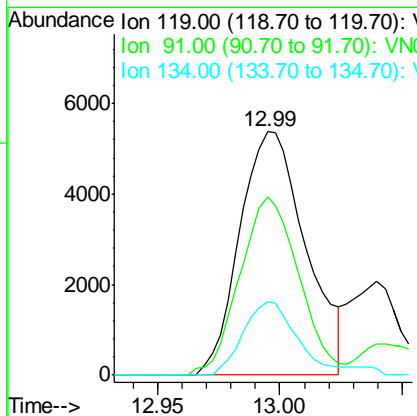
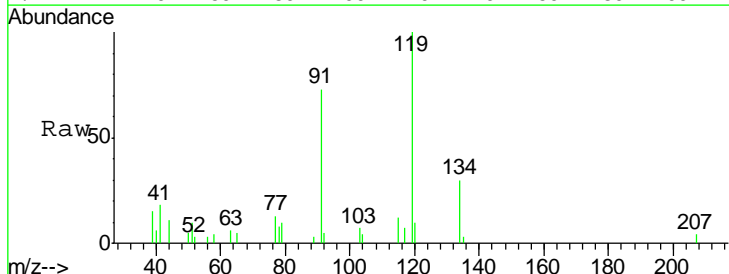
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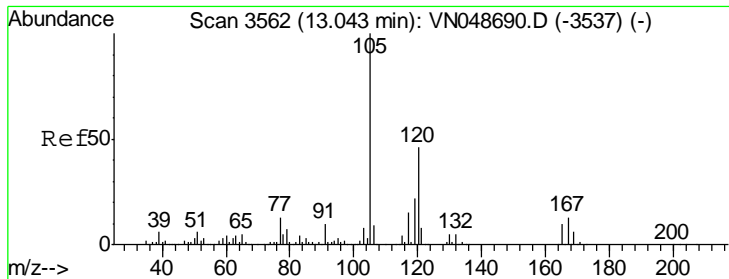
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 5/31/2018 11:12:33 AM



#83
 tert-Butylbenzene
 Concen: 0.87 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
119	100		
91	65.5	32.2	96.6
134	26.0	13.3	39.9





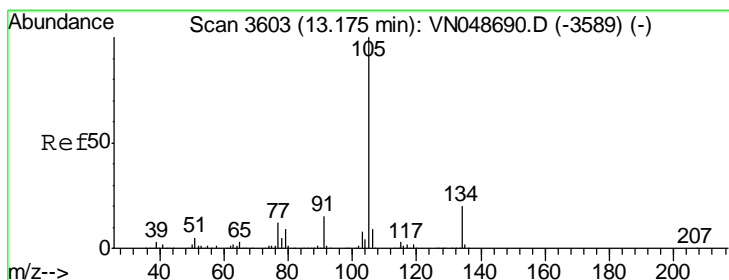
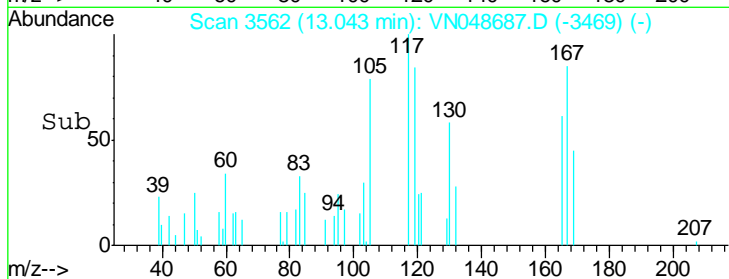
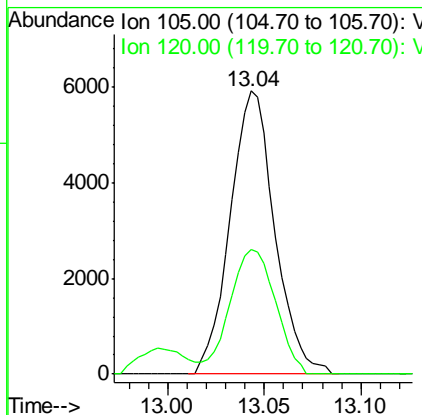
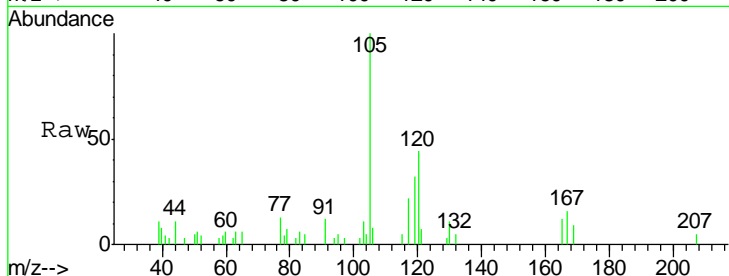
#84
 1,2,4-Trimethylbenzene
 Concen: 0.72 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	100		
120	44.8	22.7	68.0

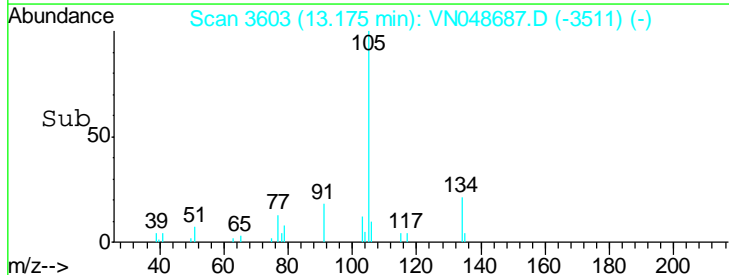
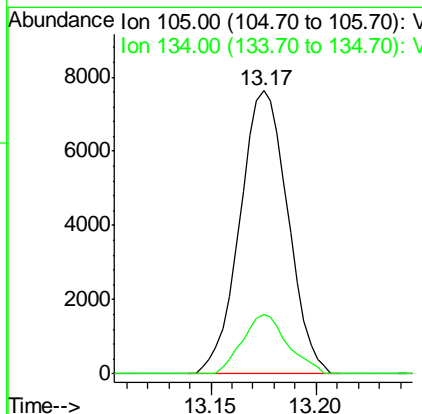
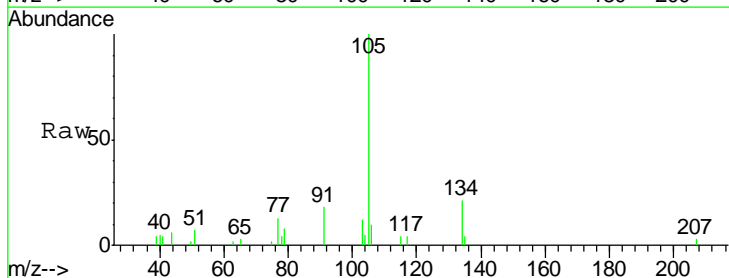
Manual Integrations
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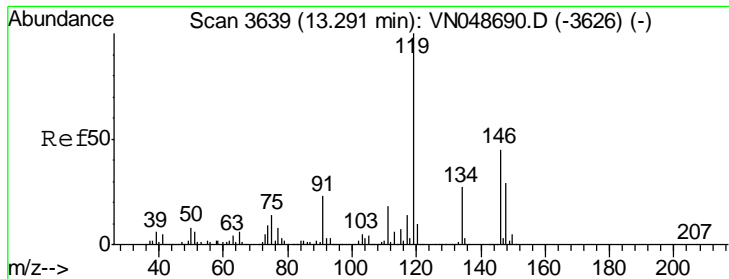
MMDadoda
 5/31/2018 11:12:33 AM



#85
 sec-Butylbenzene
 Concen: 0.78 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
105	100		
134	19.8	10.1	30.3





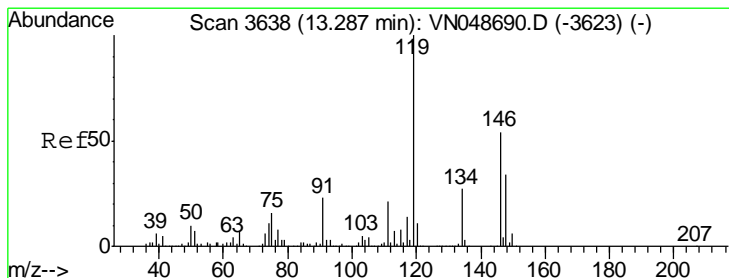
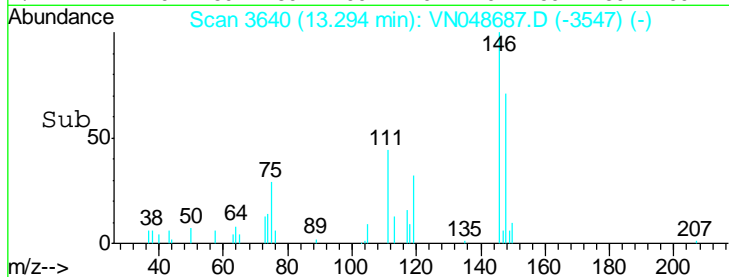
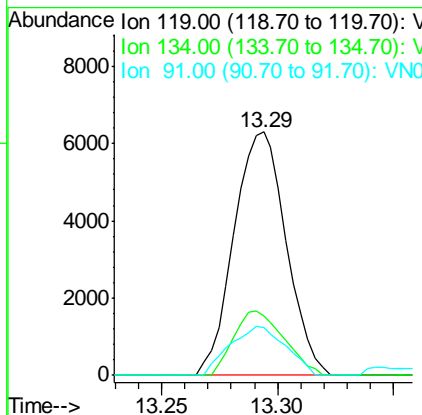
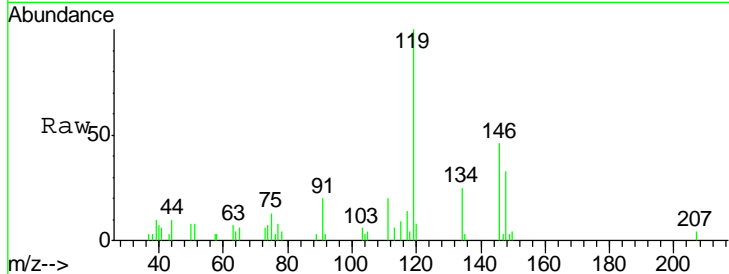
#86
 p-Isopropyltoluene
 Concen: 0.75 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
119	9828		
134	25.4	13.5	40.4
91	21.4	11.4	34.2

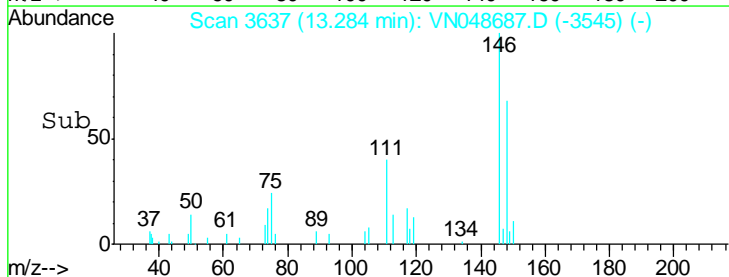
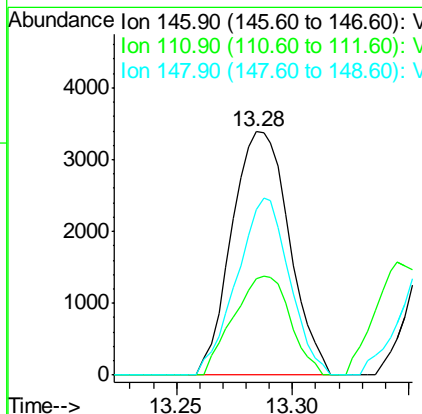
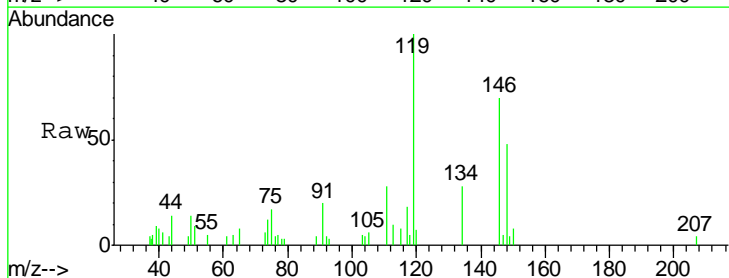
Manual Integrations
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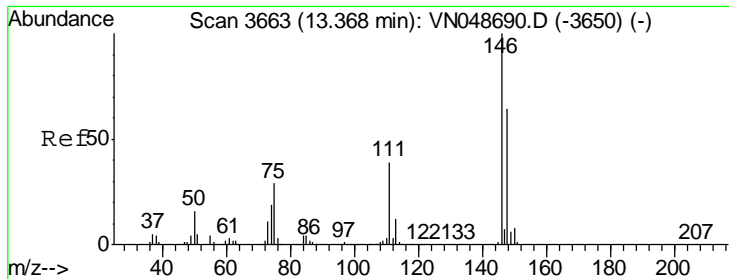
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 5/31/2018 11:12:33 AM



#87
 1,3-Dichlorobenzene
 Concen: 0.86 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
146	5825		
111	40.2	19.3	57.9
148	66.6	32.1	96.5





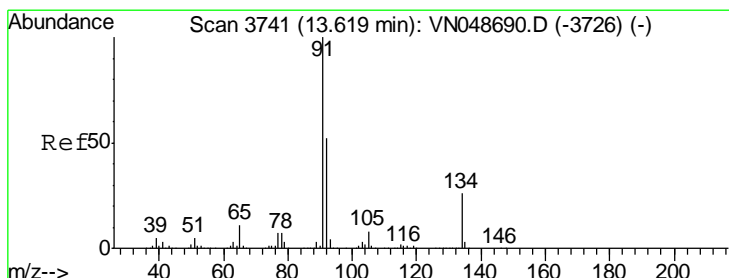
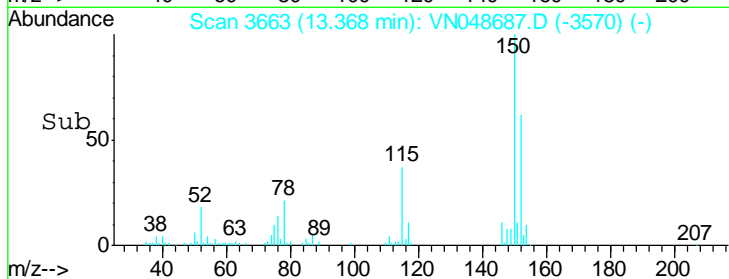
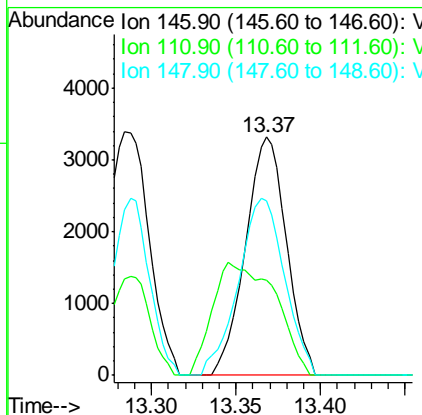
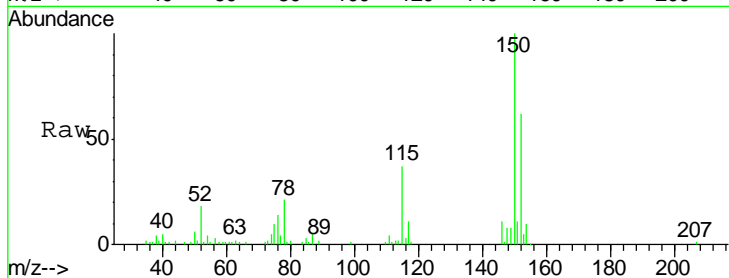
#88
 1,4-Dichlorobenzene
 Concen: 0.83 ug/l m
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
146	5612		
111	41.7	18.9	56.5
148	69.2	32.2	96.6

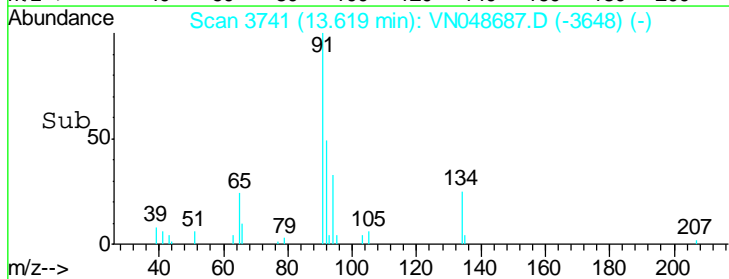
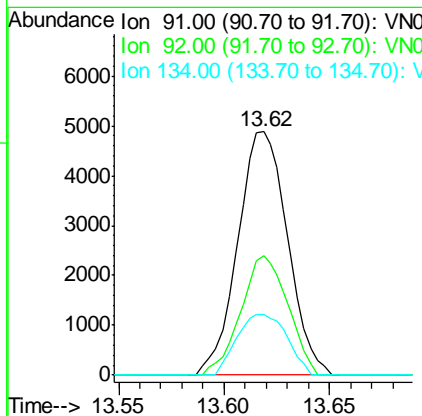
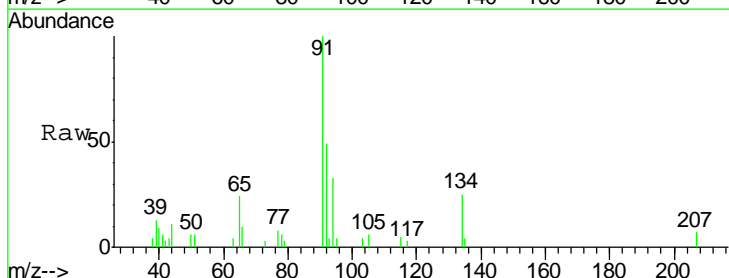
Manual Integrations
 APPROVED

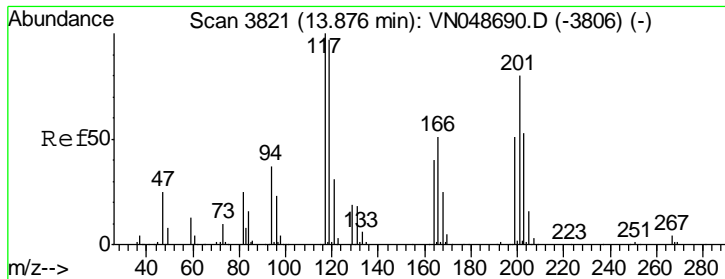
MMDadoda
 5/31/2018 11:12:33 AM



#89
 n-Butylbenzene
 Concen: 0.79 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
91	7987		
92	46.4	26.3	78.9
134	25.0	13.5	40.4





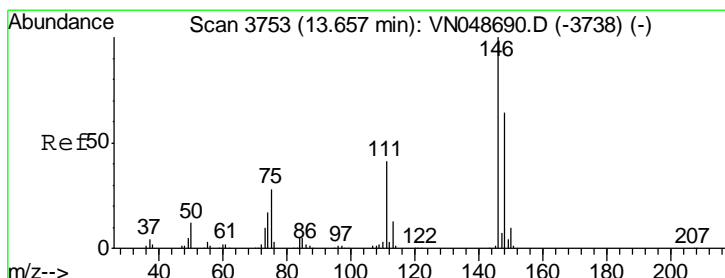
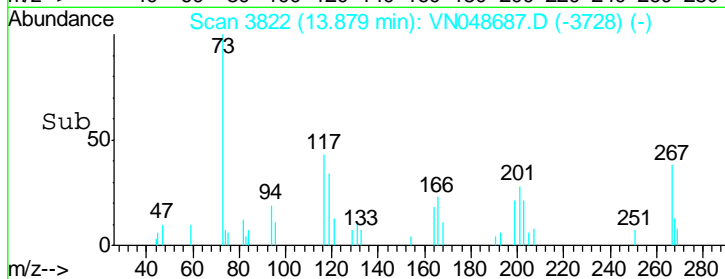
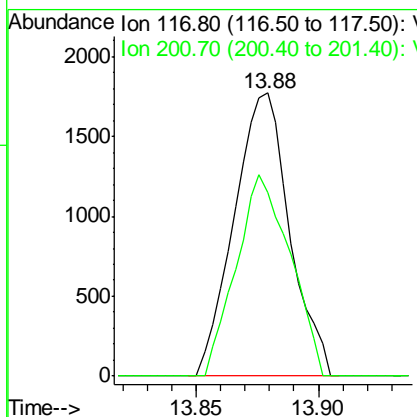
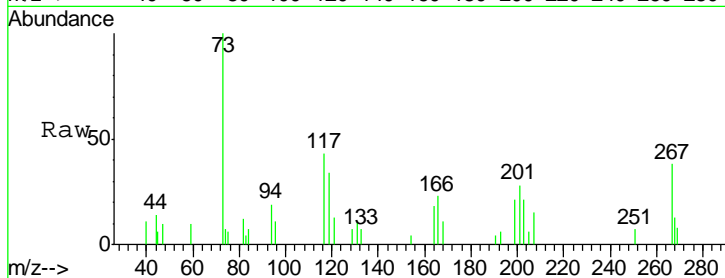
#90
 Hexachloroethane
 Concen: 0.96 ug/l
 RT: 13.88 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
117	2789	100	
201	69.2	44.6	134.0

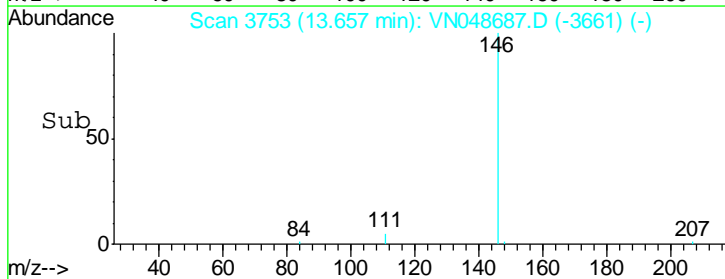
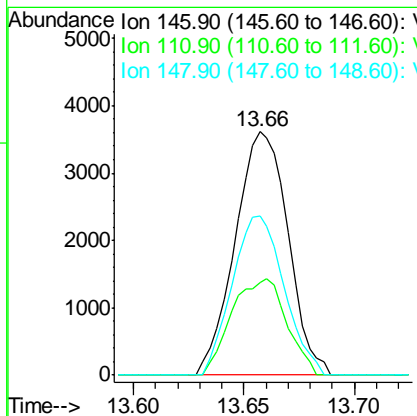
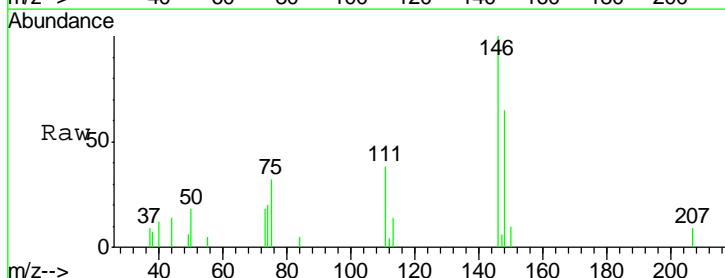
Manual Integrations
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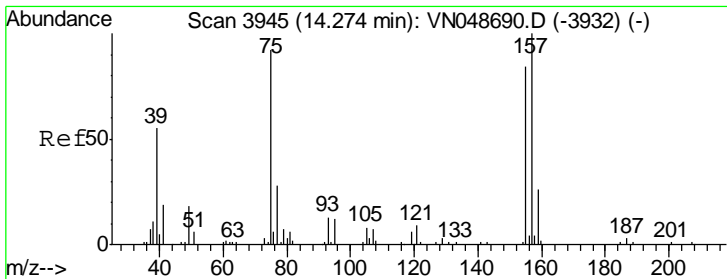
MMDadoda
 5/31/2018 11:12:33 AM



#91
 1,2-Dichlorobenzene
 Concen: 0.90 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
146	6000	100	
111	41.2	19.9	59.6
148	64.2	32.0	96.0





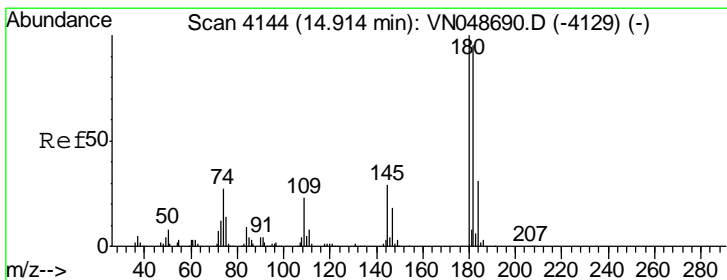
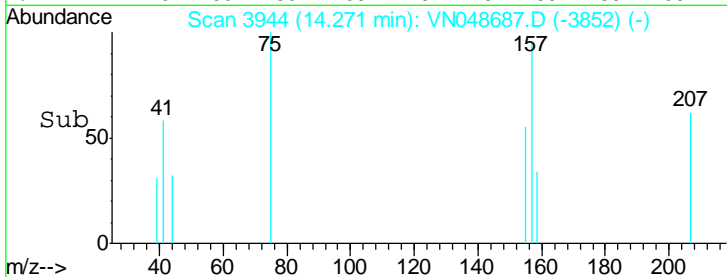
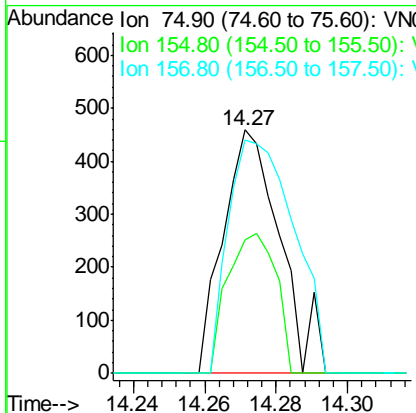
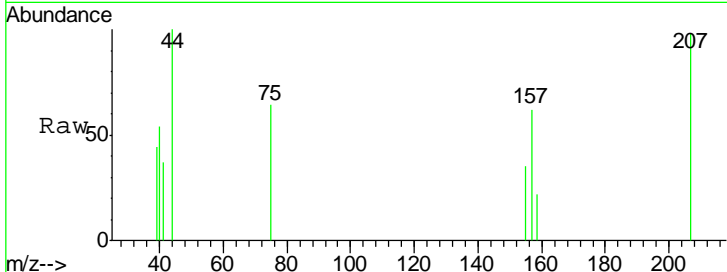
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.66 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	504		
75	100		
155	49.0	47.1	141.4
157	111.5	60.9	182.6

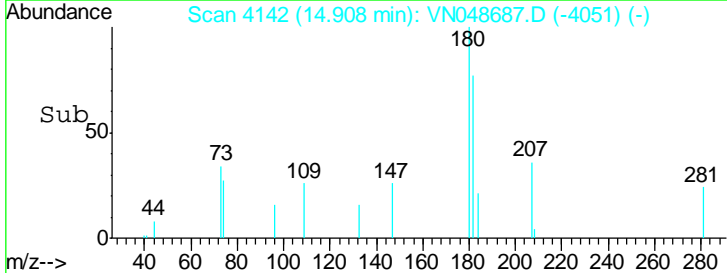
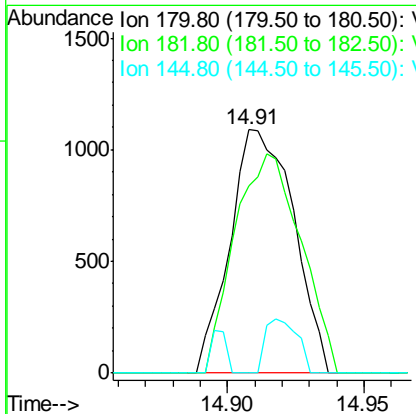
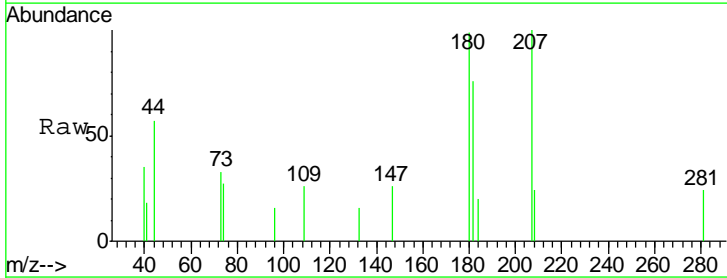
Manual Integrations
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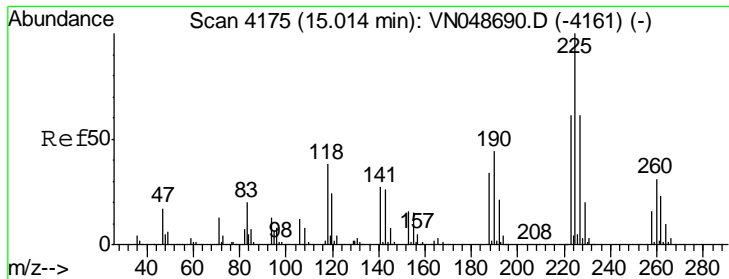
MMDadoda
 5/31/2018 11:12:33 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 0.68 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.01 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
180	1768		
180	100		
182	93.6	47.9	143.8
145	11.1	14.6	43.8#





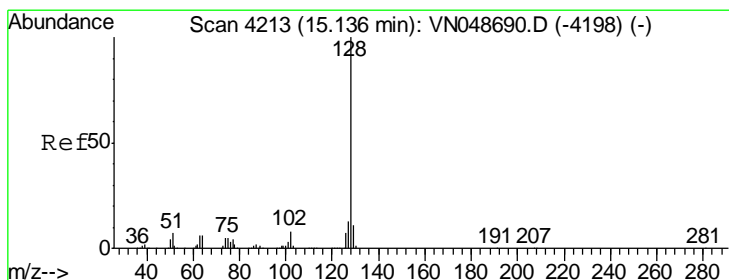
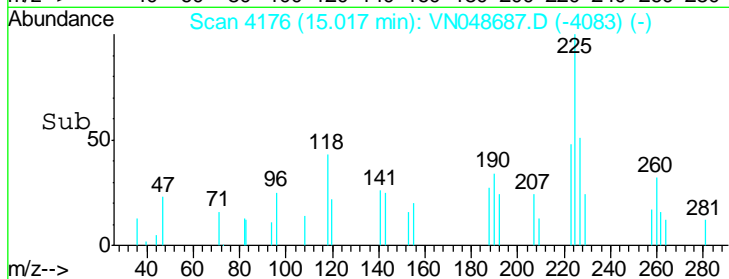
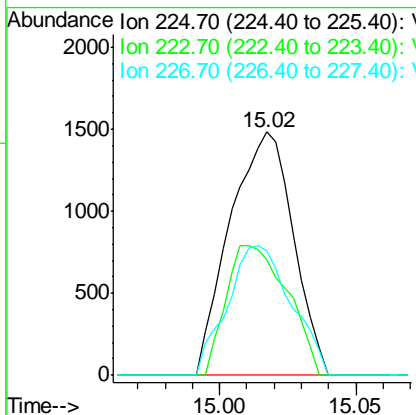
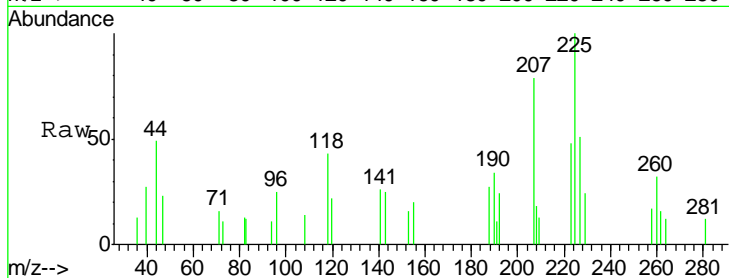
#94
 Hexachlorobutadiene
 Concen: 1.13 ug/l
 RT: 15.02 min Scan# 4176
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
225	100		
223	51.9	31.3	93.8
227	53.7	31.9	95.5

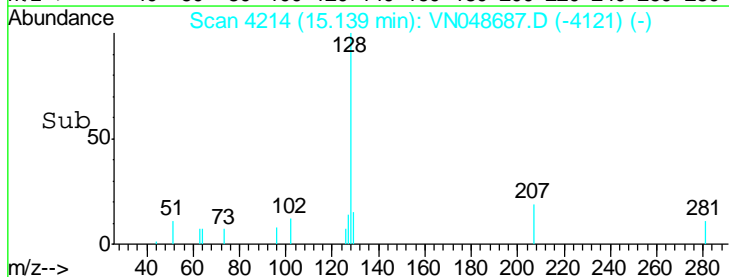
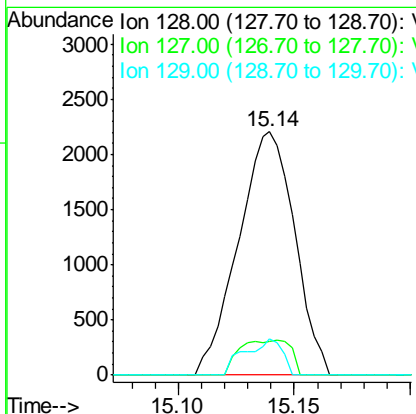
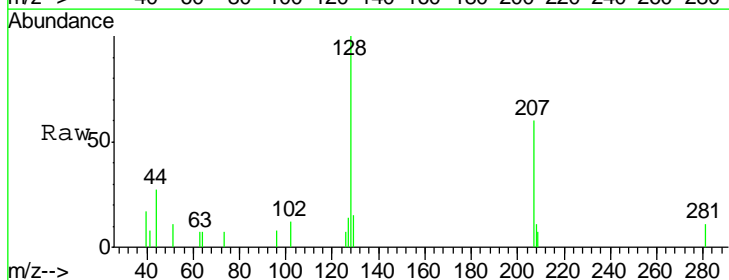
Manual Integrations
 APPROVED

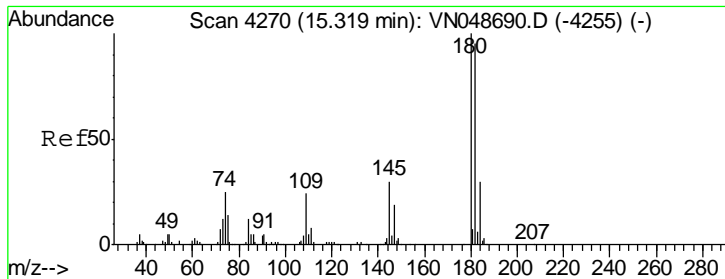
MMDadoda
 5/31/2018 11:12:33 AM



#95
 Naphthalene
 Concen: 0.53 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VN048687.D
 Acq: 29 May 2018 10:48

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	9.7	8.7	13.1





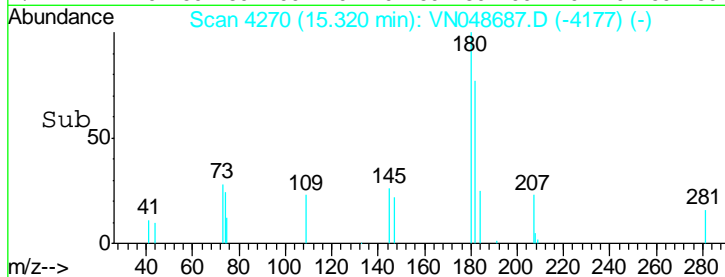
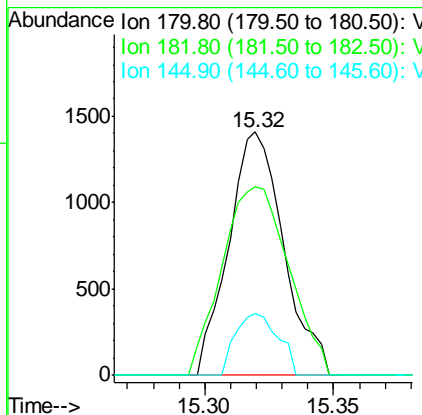
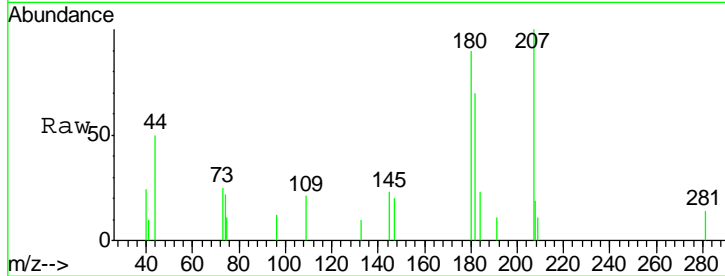
#96
1,2,3-Trichlorobenzene
Concen: 0.76 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. -0.00 min
Lab File: VN048687.D
Acq: 29 May 2018 10:48

Instrument : MSVOA_N
ClientSampled : VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
2093	180	100		
	182	94.1	48.4	145.0
	145	19.7	15.3	45.9

Manual Integrations
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MMDadoda
5/31/2018 11:12:33 AM



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048688.D
 Acq On : 29 May 2018 11:14
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 11:12:34 AM

Quant Time: May 29 12:51:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	302997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	452655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	407381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	25910	4.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.02%	
35) Dibromofluoromethane	7.59	113	22022	4.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.28%	
50) Toluene-d8	10.09	98	82127	4.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.30%	
62) 4-Bromofluorobenzene	12.40	95	24549	4.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	25742	5.38	ug/l	95
3) Chloromethane	2.06	50	35398	5.45	ug/l	98
4) Vinyl Chloride	2.18	62	28204	5.12	ug/l	100
5) Bromomethane	2.56	94	12817	3.97	ug/l	99
6) Chloroethane	2.70	64	16609	5.39	ug/l	90
7) Trichlorofluoromethane	3.01	101	37574	5.11	ug/l	99
8) Diethyl Ether	3.41	74	13114	4.58	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.75	101	24719	5.28	ug/l	91
10) Methyl Iodide	3.95	142	28582	4.13	ug/l	98
11) Tert butyl alcohol	4.81	59	9109	17.20	ug/l #	73
12) 1,1-Dichloroethene	3.73	96	22065	5.10	ug/l	90
13) Acrolein	3.61	56	15145	22.23	ug/l	99
14) Allyl chloride	4.32	41	41484	4.95	ug/l	94
15) Acrylonitrile	5.00	53	38850	18.07	ug/l	99
16) Acetone	3.82	43	35606	17.08	ug/l	94
17) Carbon Disulfide	4.05	76	72424	5.16	ug/l	100
18) Methyl Acetate	4.33	43	19866	3.26	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	58229	4.39	ug/l	99
20) Methylene Chloride	4.55	84	27181	4.95	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	23571	5.00	ug/l	96
22) Diisopropyl ether	5.95	45	76748	4.85	ug/l	93
23) Vinyl Acetate	5.90	43	254169	22.43	ug/l	99
24) 1,1-Dichloroethane	5.85	63	46738	5.12	ug/l	98
25) 2-Butanone	6.84	43	45957	16.55	ug/l	97
26) 2,2-Dichloropropane	6.82	77	39563	5.31	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	26821	5.05	ug/l	98
28) Bromochloromethane	7.19	49	11046	3.34	ug/l #	51
29) Tetrahydrofuran	7.22	42	29077	16.44	ug/l	98
30) Chloroform	7.37	83	45456	5.10	ug/l	99
31) Cyclohexane	7.66	56	46006	4.94	ug/l #	88
32) 1,1,1-Trichloroethane	7.57	97	39456	5.08	ug/l	97
36) 1,1-Dichloropropene	7.79	75	33995	5.12	ug/l	98
37) Ethyl Acetate	6.94	43	20653	3.73	ug/l #	95
38) Carbon Tetrachloride	7.77	117	35680	5.20	ug/l	99

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048688.D
 Acq On : 29 May 2018 11:14
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 11:12:34 AM

Quant Time: May 29 12:51:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	36319	4.94	ug/l	95
40) Benzene	8.04	78	101215	5.09	ug/l	99
41) Methacrylonitrile	7.18	41	11502	3.94	ug/l	93
42) 1,2-Dichloroethane	8.12	62	31240	4.81	ug/l	98
43) Isopropyl Acetate	8.17	43	36735	3.82	ug/l	95
44) Trichloroethene	8.84	130	25591	5.10	ug/l	97
45) 1,2-Dichloropropane	9.12	63	27583	5.11	ug/l	91
46) Dibromomethane	9.21	93	15143	4.58	ug/l	95
47) Bromodichloromethane	9.41	83	34055	5.06	ug/l	96
48) Methyl methacrylate	9.20	41	16560	3.55	ug/l	99
49) 1,4-Dioxane	9.20	88	4137	67.02	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	96100	17.37	ug/l	98
52) Toluene	10.16	92	58560	4.98	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	32000	4.62	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	38599	4.97	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	20941	4.57	ug/l	97
56) Ethyl methacrylate	10.43	69	24548	3.84	ug/l	94
57) 1,3-Dichloropropane	10.71	76	37478	4.74	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	41924	34.52	ug/l	97
59) 2-Hexanone	10.76	43	60797	15.80	ug/l	96
60) Dibromochloromethane	10.90	129	24286	4.69	ug/l	99
61) 1,2-Dibromoethane	11.01	107	21108	4.45	ug/l	97
64) Tetrachloroethene	10.63	164	21755	4.86	ug/l	99
65) Chlorobenzene	11.44	112	64596	5.05	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	24444	5.18	ug/l	99
67) Ethyl Benzene	11.51	91	108229	4.96	ug/l	98
68) m/p-Xylenes	11.62	106	78989	9.85	ug/l	98
69) o-Xylene	11.95	106	38599	4.90	ug/l	97
70) Styrene	11.97	104	57716	4.60	ug/l	99
71) Bromoform	12.13	173	15026	4.24	ug/l #	98
73) Isopropylbenzene	12.25	105	101674	5.37	ug/l	100
74) N-amyl acetate	12.07	43	27739	4.05	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	27061	4.68	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	20451m	4.72	ug/l	
77) Bromobenzene	12.53	156	24319	5.27	ug/l	91
78) n-propylbenzene	12.59	91	111053	5.16	ug/l	98
79) 2-Chlorotoluene	12.68	91	69582	5.30	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	79299	5.15	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	6915	4.77	ug/l	94
82) 4-Chlorotoluene	12.78	91	66324	5.20	ug/l	99
83) tert-Butylbenzene	13.00	119	71456	5.33	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	79492	5.20	ug/l	99
85) sec-Butylbenzene	13.17	105	93709	5.26	ug/l	99
86) p-Isopropyltoluene	13.29	119	76668	5.09	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	41551	5.27	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	39597	5.04	ug/l	93
89) n-Butylbenzene	13.62	91	62228	5.30	ug/l	96
90) Hexachloroethane	13.88	117	17543	5.24	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	40679	5.30	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3591	4.04	ug/l	91

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048688.D
 Acq On : 29 May 2018 11:14
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 11:12:34 AM

Quant Time: May 29 12:51:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	12624	4.17	ug/l	97
94) Hexachlorobutadiene	15.01	225	13635	5.61	ug/l	97
95) Naphthalene	15.14	128	26773	3.32	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	14486	4.55	ug/l	99

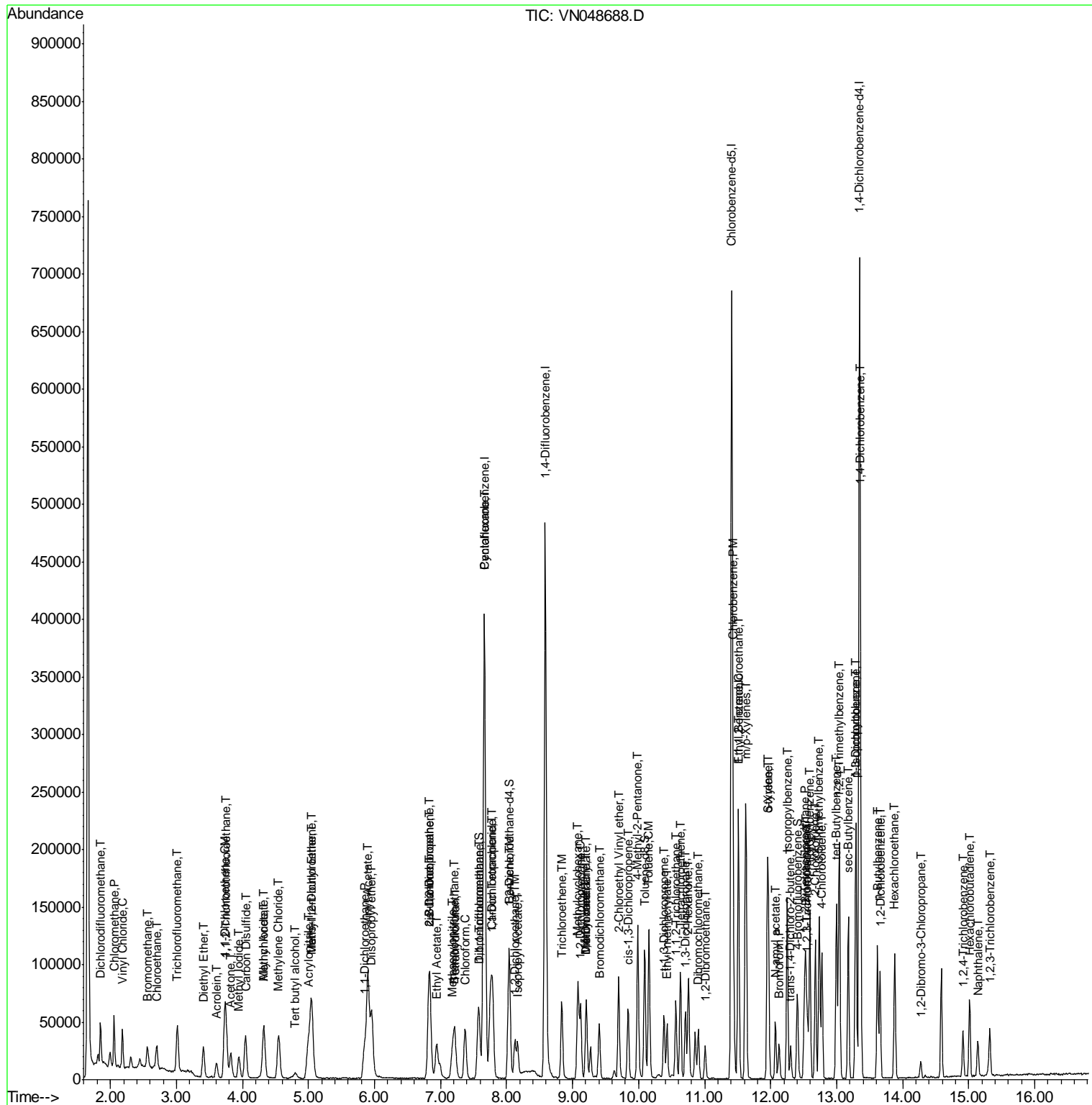
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Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048688.D
 Acq On : 29 May 2018 11:14
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

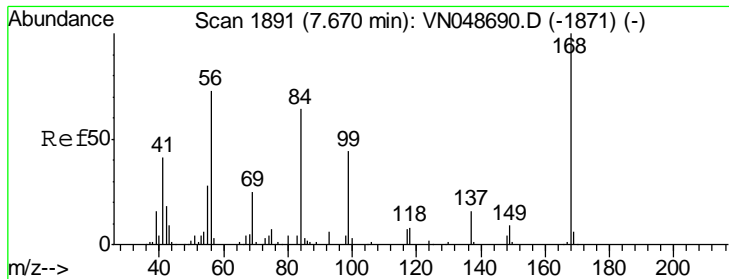
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC005

Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 11:12:34 AM

Quant Time: May 29 12:51:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration



- 1
- 2
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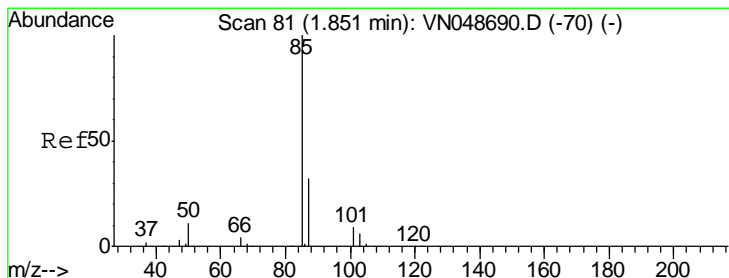
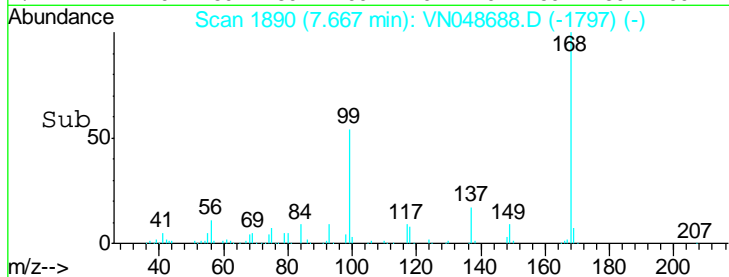
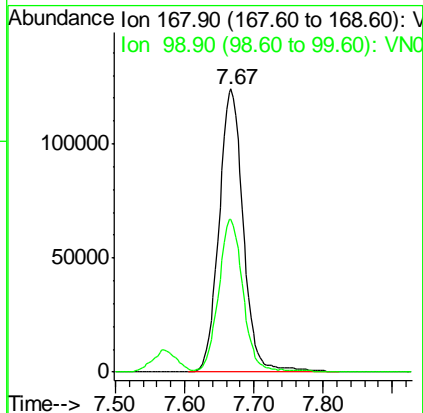
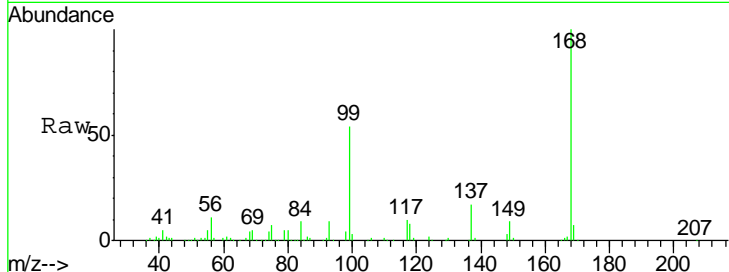
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
168	302997		
99	53.7	40.8	61.2

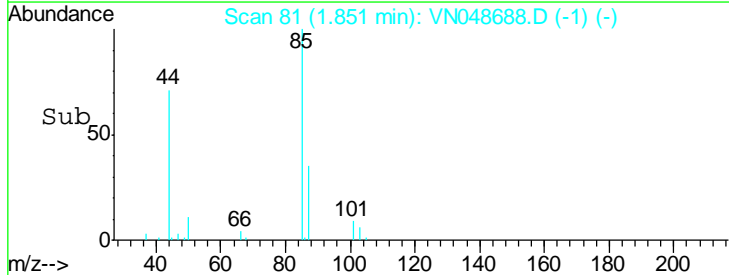
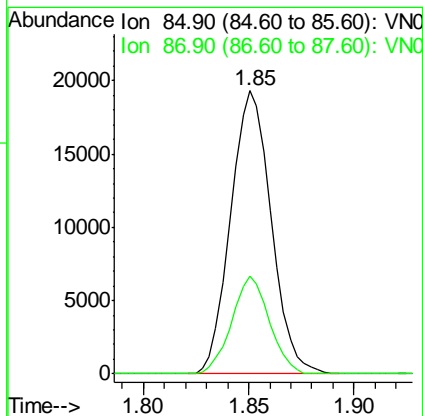
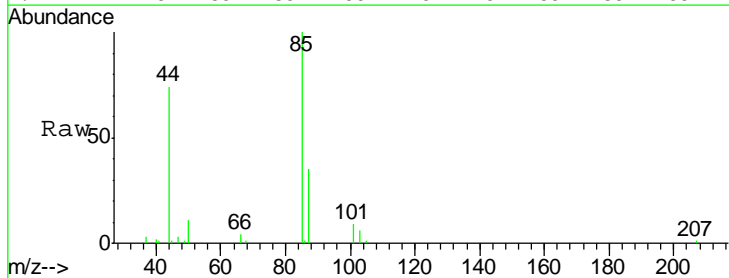
Manual Integrations
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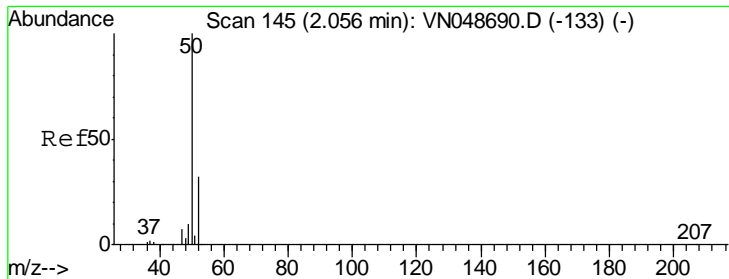
MMDadoda
 5/31/2018 11:12:34 AM



#2
 Dichlorodifluoromethane
 Concen: 5.38 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
85	25742		
87	34.5	15.9	47.7





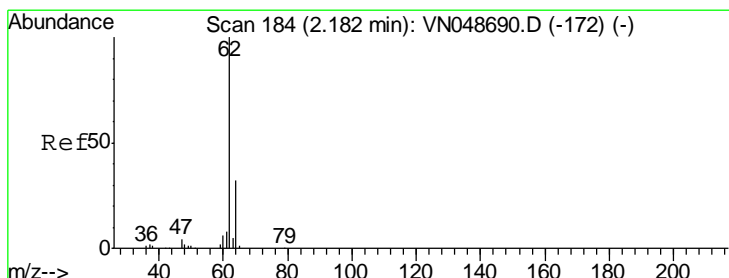
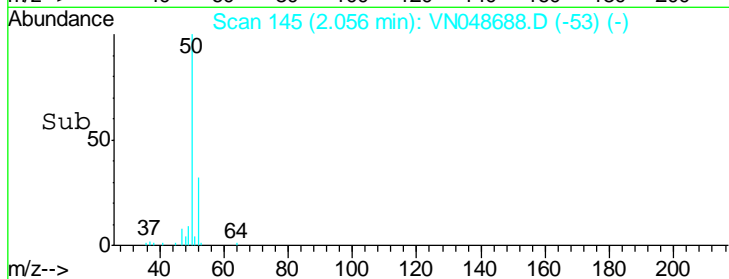
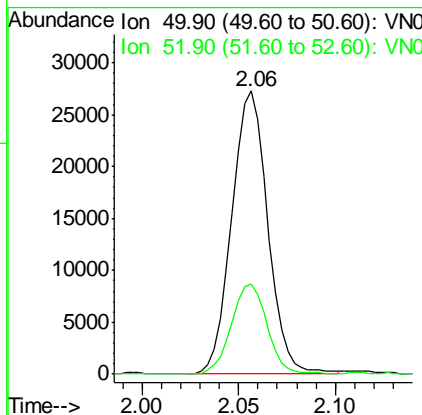
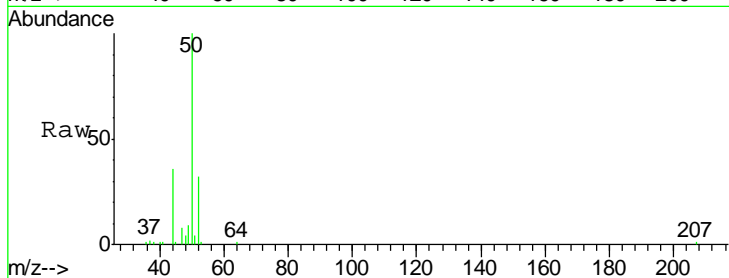
#3
 Chloromethane
 Concen: 5.45 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
50	35398		
52	31.6	26.0	39.0

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

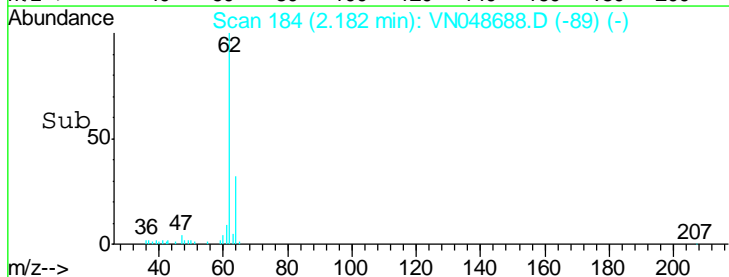
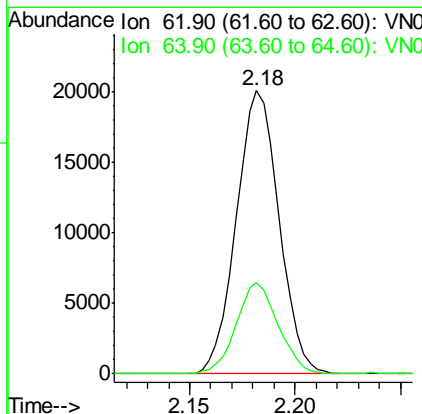
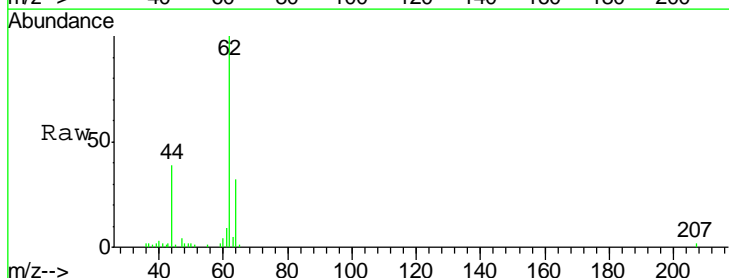
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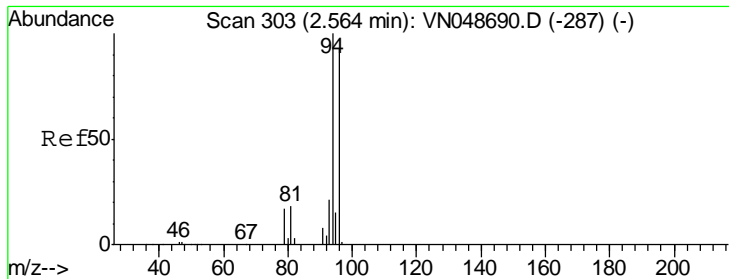
MMDadoda
 5/31/2018 11:12:34 AM



#4
 Vinyl Chloride
 Concen: 5.12 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
62	28204		
64	32.2	25.6	38.4





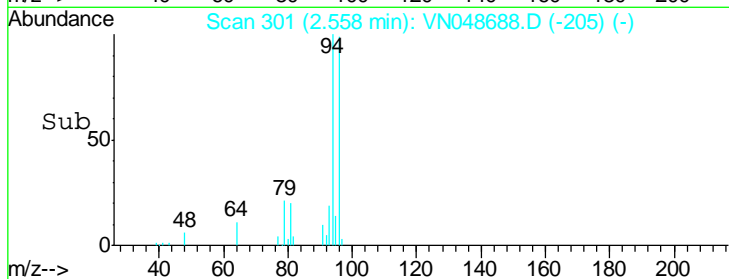
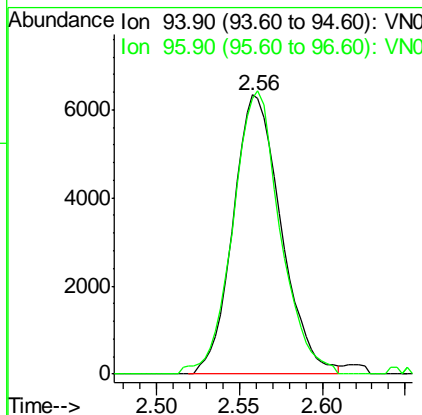
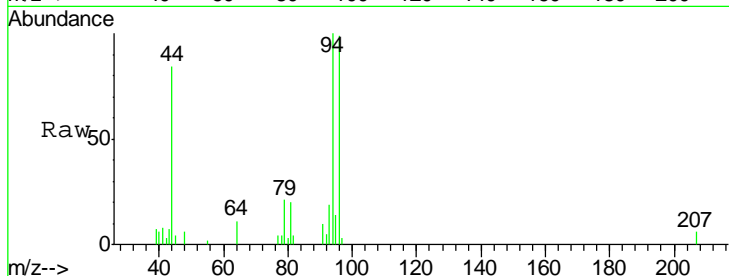
#5
 Bromomethane
 Concen: 3.97 ug/l
 RT: 2.56 min Scan# 301
 Delta R.T. 0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
94	12817		
94	100		
96	98.6	78.0	117.0

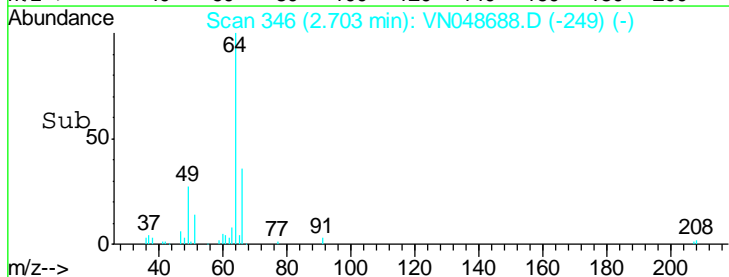
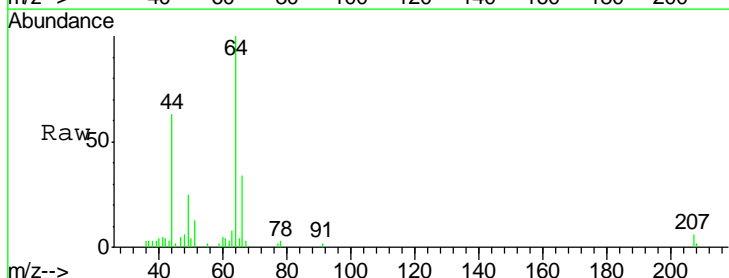
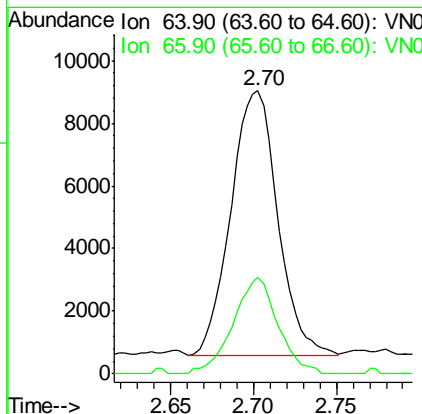
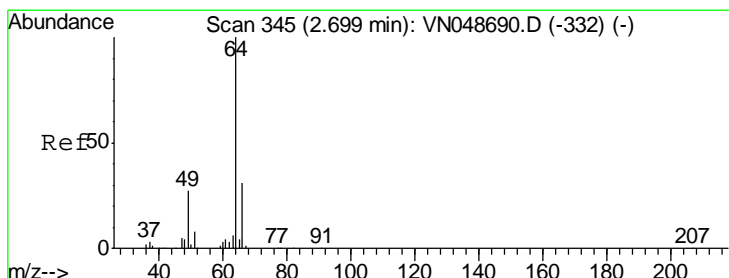
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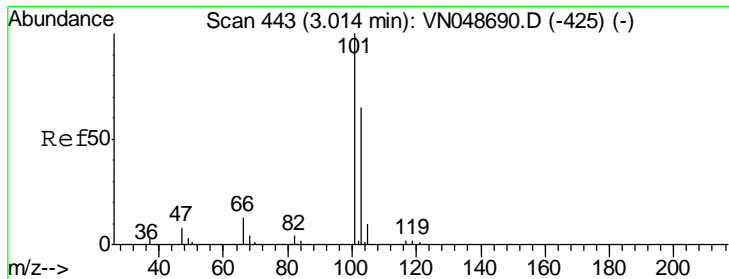
MMDadoda
 5/31/2018 11:12:34 AM



#6
 Chloroethane
 Concen: 5.39 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
64	16609		
64	100		
66	36.6	24.8	37.2





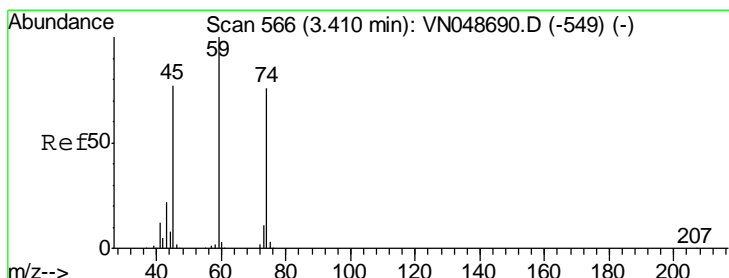
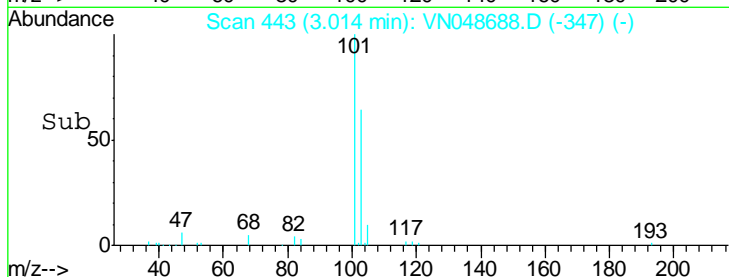
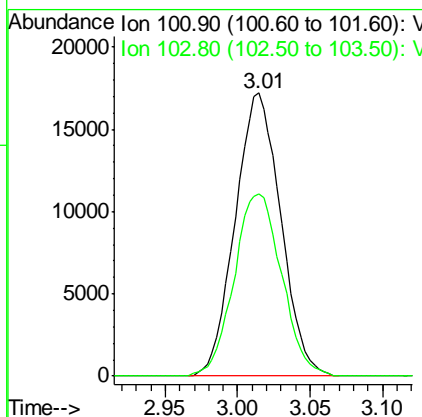
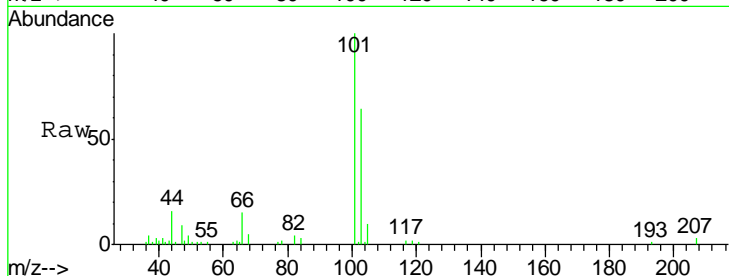
#7
 Trichlorofluoromethane
 Concen: 5.11 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
101	37574		
103	64.2	50.8	76.2

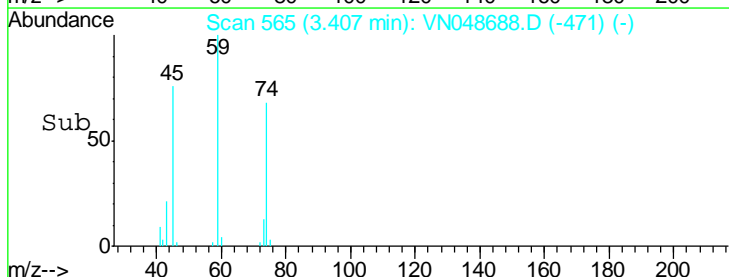
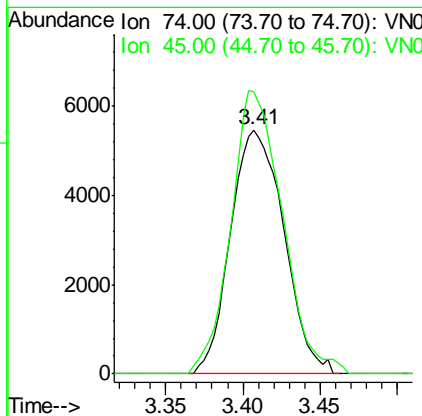
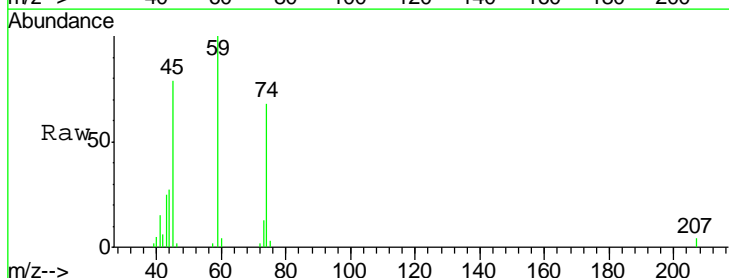
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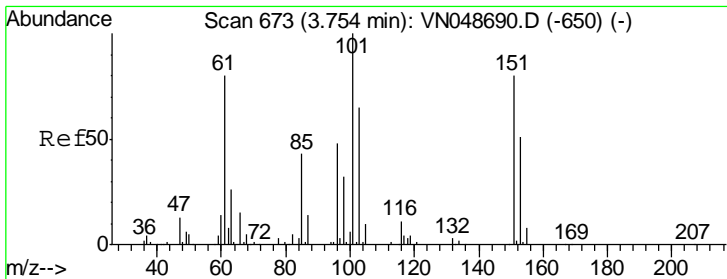
MMDadoda
 5/31/2018 11:12:34 AM



#8
 Diethyl Ether
 Concen: 4.58 ug/l
 RT: 3.41 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

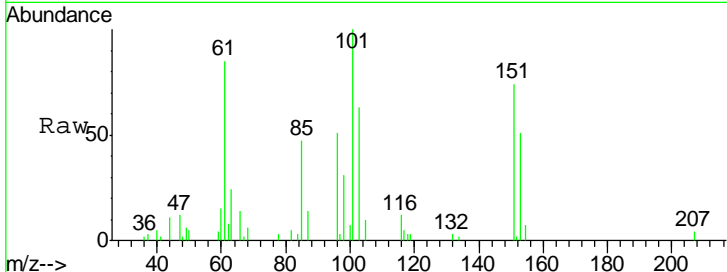
Tgt Ion	Resp	Lower	Upper
74	13114		
45	111.9	50.0	150.0





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.28 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. 0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

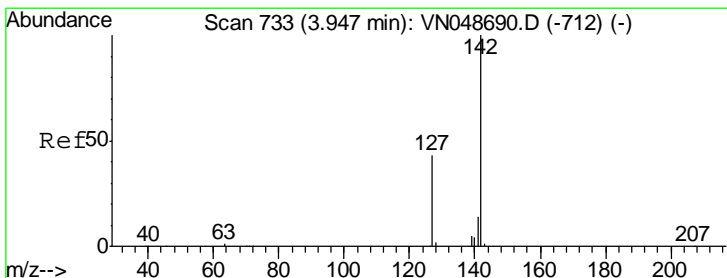
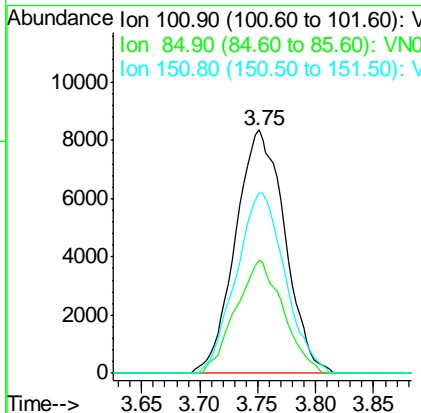
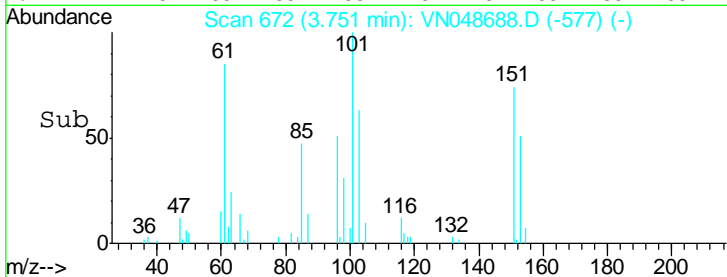
Instrument : MSVOA_N
 ClientSampled : VSTDIC005



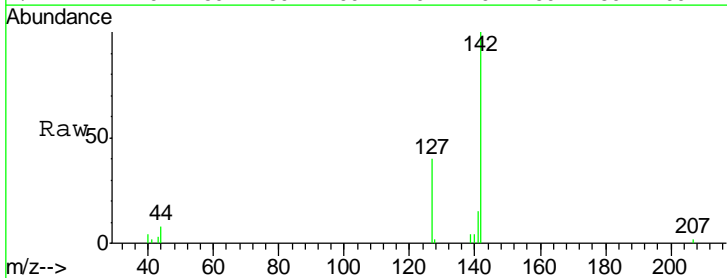
Tgt Ion	Resp	Lower	Upper
101	24719		
101	100		
85	44.6	33.3	49.9
151	73.7	66.5	99.7

Manual Integrations
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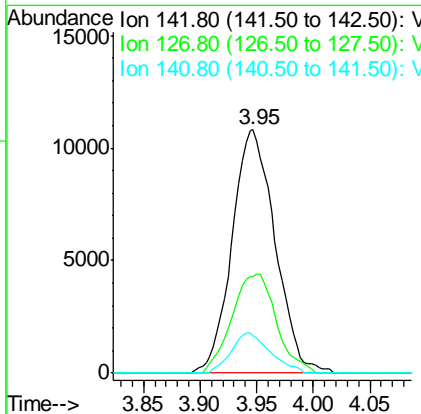
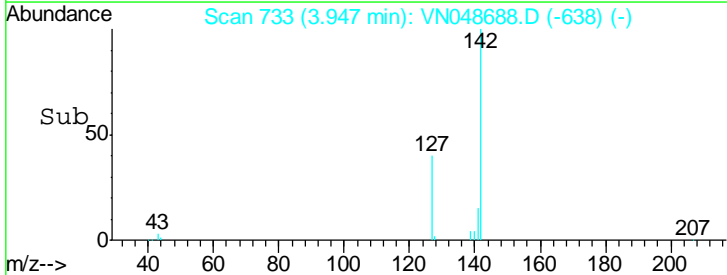
MMDadoda
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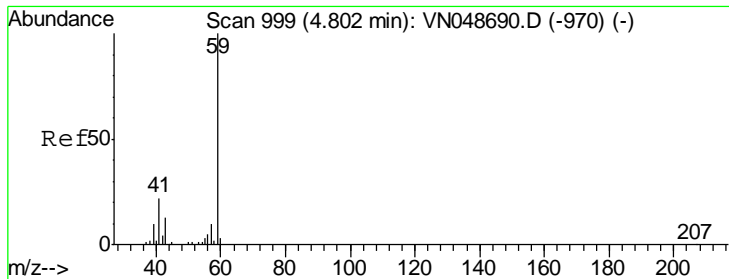


#10
 Methyl Iodide
 Concen: 4.13 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14



Tgt Ion	Resp	Lower	Upper
142	28582		
142	100		
127	42.0	32.5	48.7
141	15.0	11.3	16.9





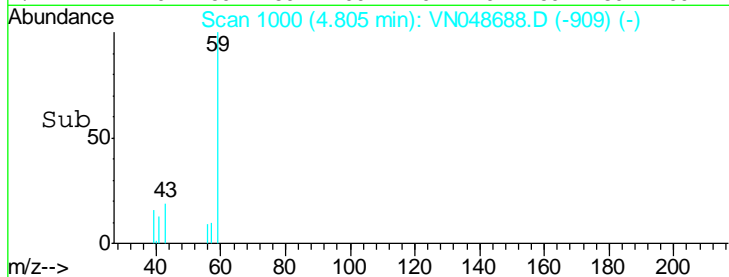
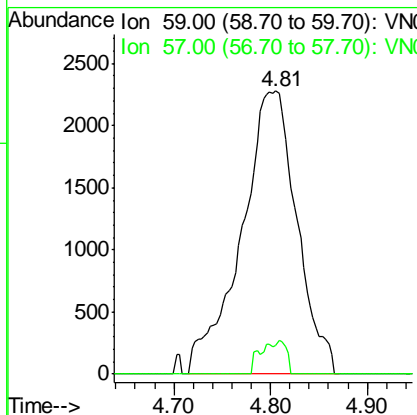
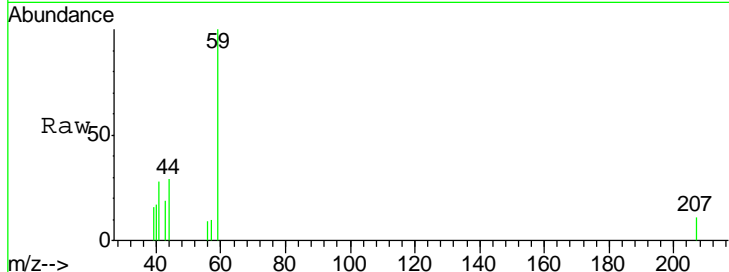
#11
 Tert butyl alcohol
 Concen: 17.20 ug/l
 RT: 4.81 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
59	100		
57	0.0	8.1	12.1#

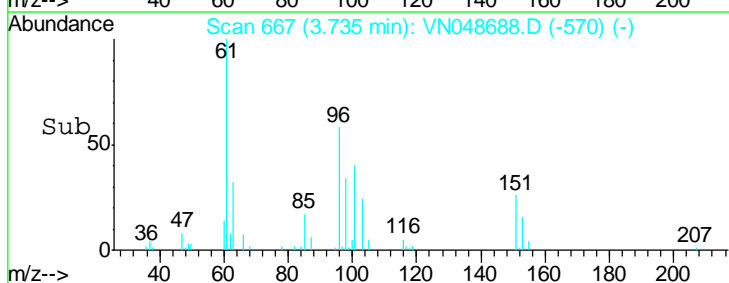
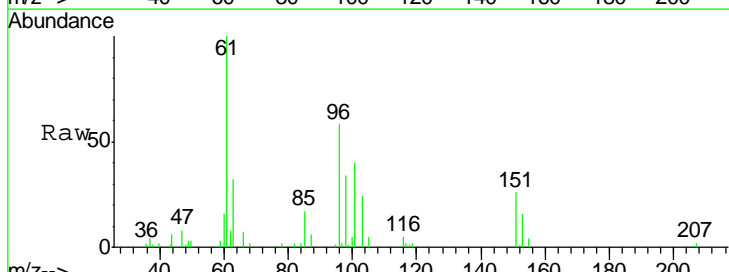
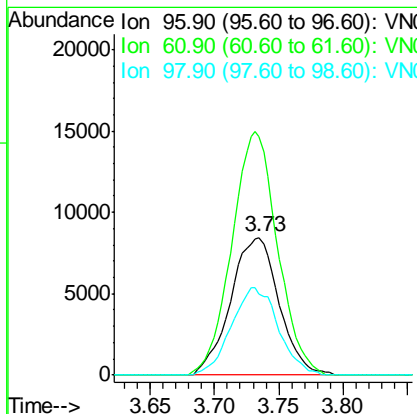
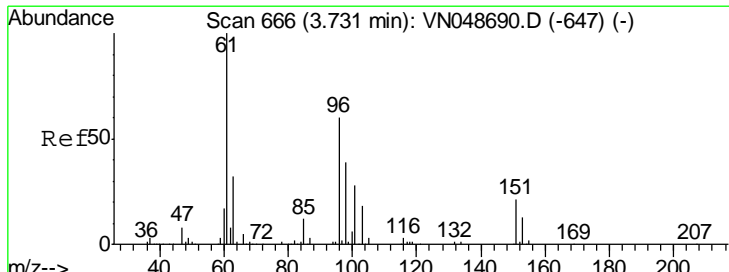
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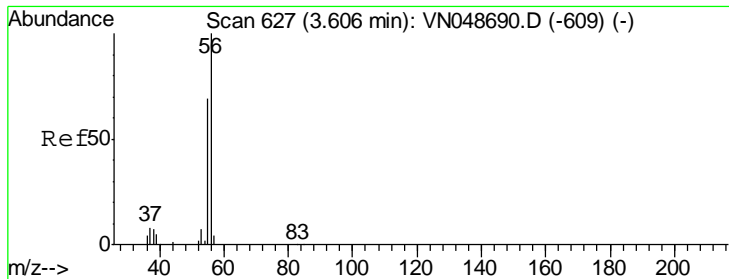
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#12
 1,1-Dichloroethene
 Concen: 5.10 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
96	100		
61	172.8	125.6	188.4
98	59.0	51.0	76.4





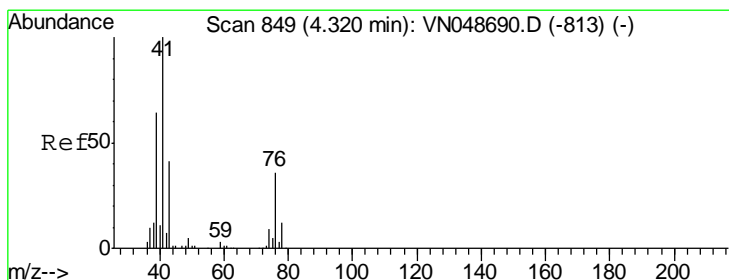
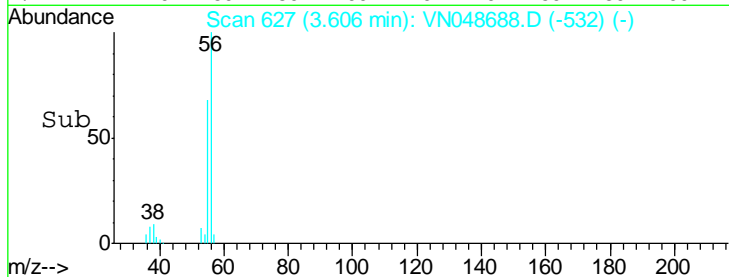
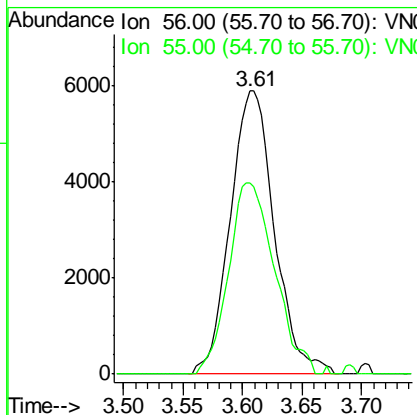
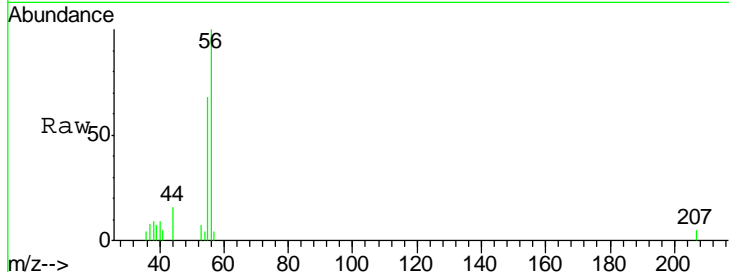
#13
 Acrolein
 Concen: 22.23 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
56	15145		
55	70.4	57.1	85.7

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

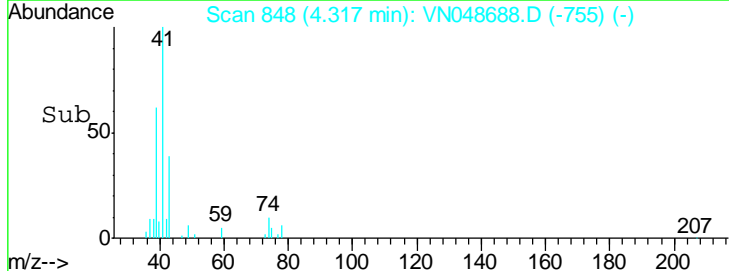
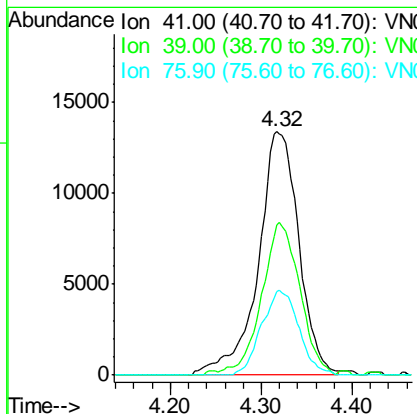
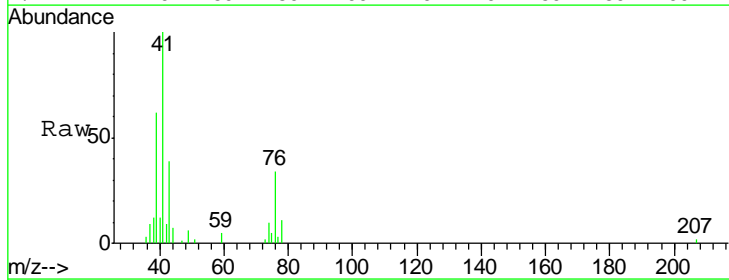
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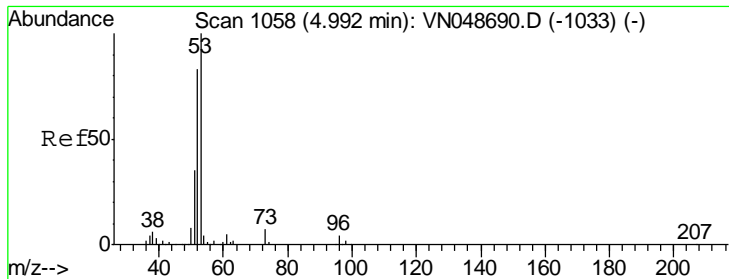
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#14
 Allyl chloride
 Concen: 4.95 ug/l
 RT: 4.32 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
41	41484		
39	58.9	51.1	76.7
76	32.0	28.2	42.2





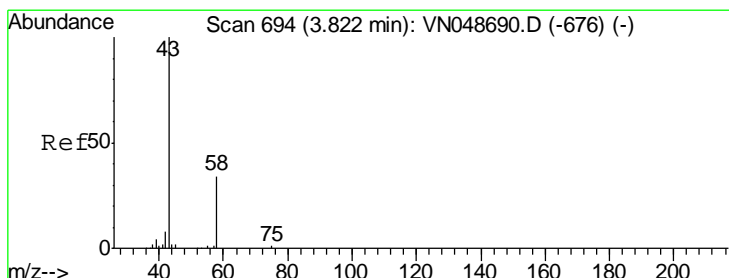
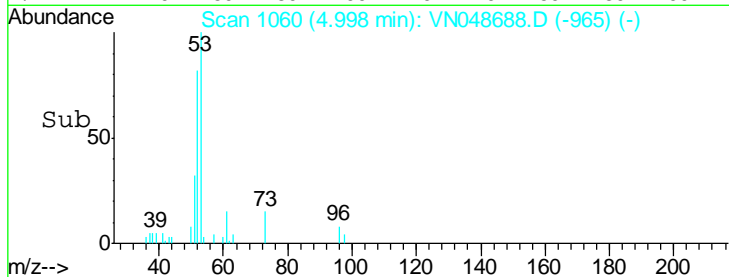
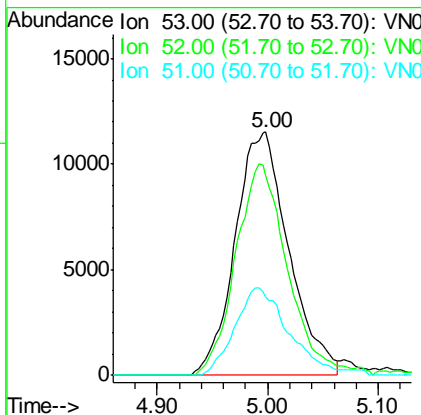
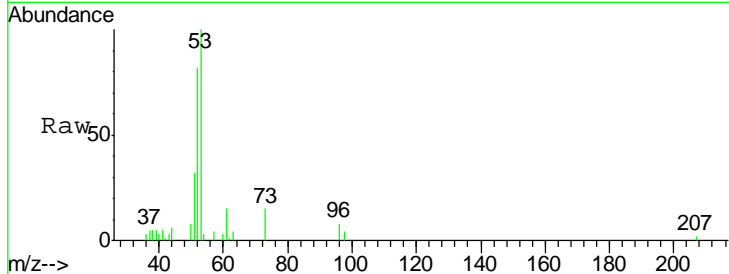
#15
 Acrylonitrile
 Concen: 18.07 ug/l
 RT: 5.00 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.6	65.5	98.3
51	35.9	28.8	43.2

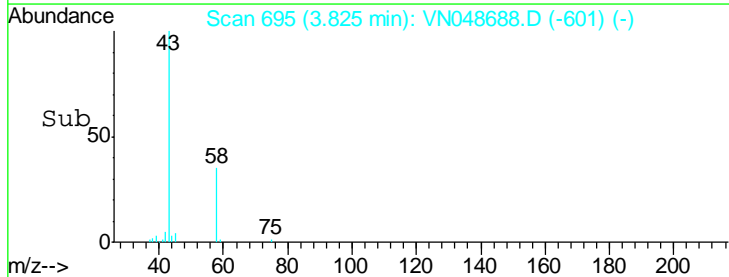
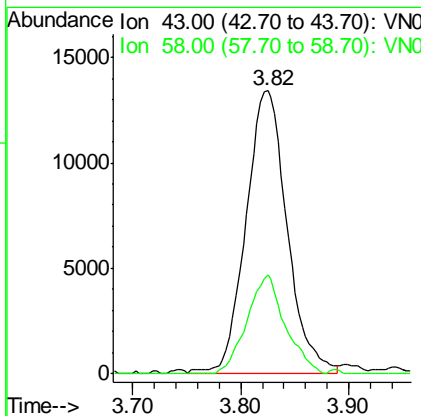
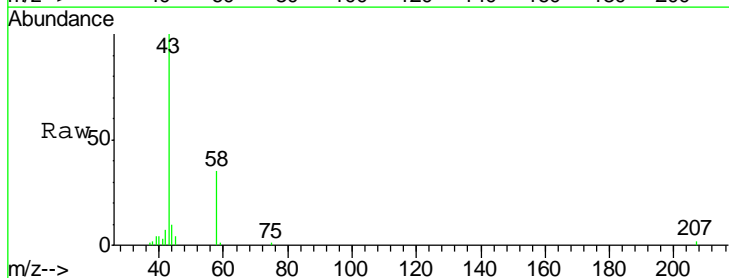
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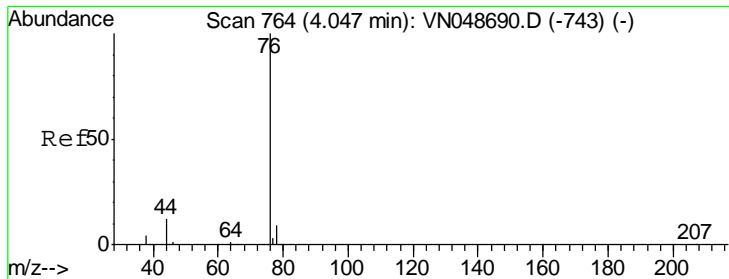
MMDadoda
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#16
 Acetone
 Concen: 17.08 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
43	100		
58	35.0	25.4	38.0





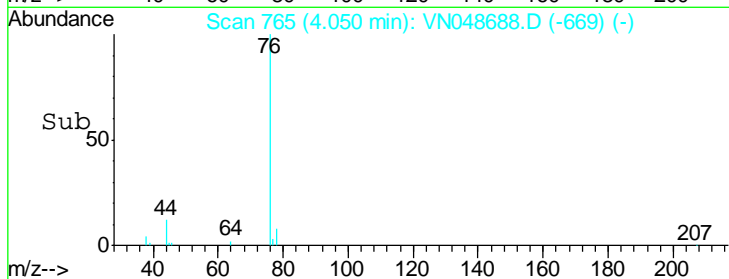
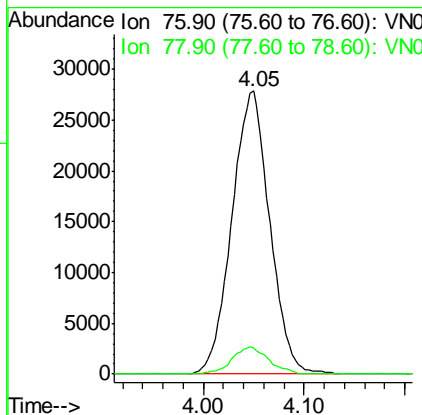
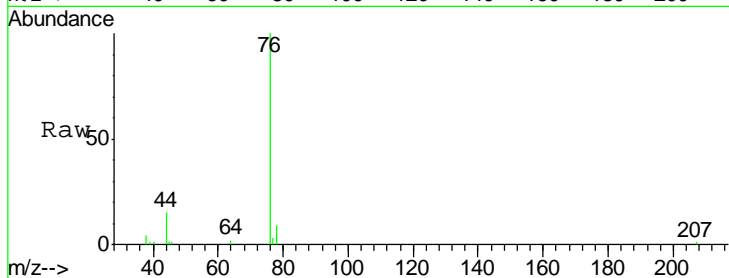
#17
 Carbon Disulfide
 Concen: 5.16 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	72424		
76	100		
78	9.0	7.2	10.8

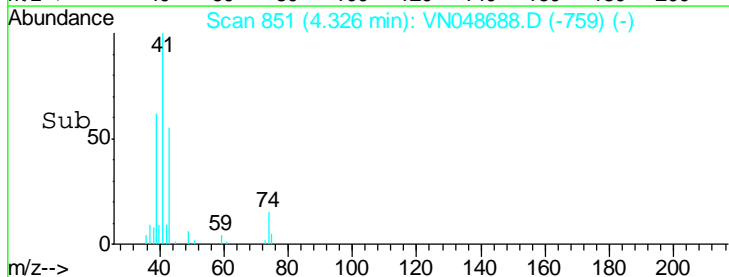
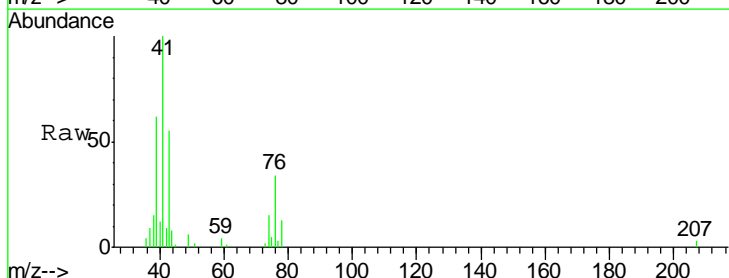
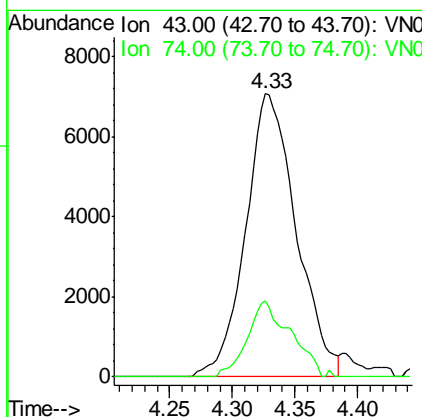
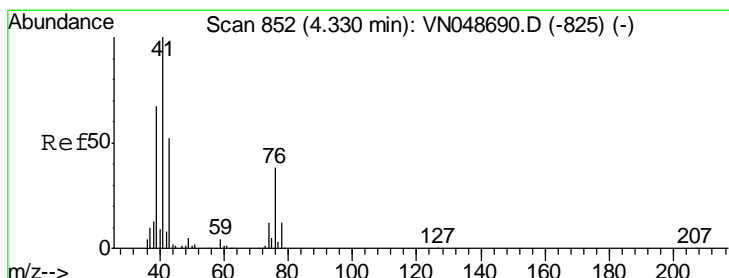
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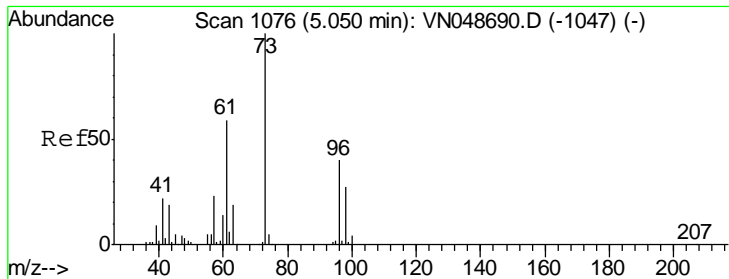
MMDadoda
 5/31/2018 11:12:34 AM



#18
 Methyl Acetate
 Concen: 3.26 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
43	19866		
43	100		
74	22.9	18.4	27.6





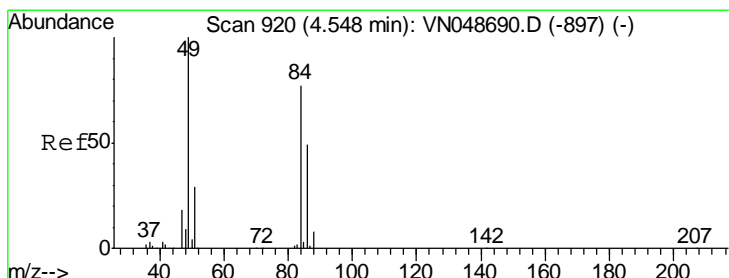
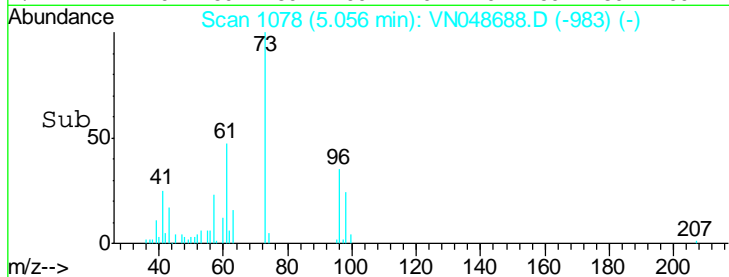
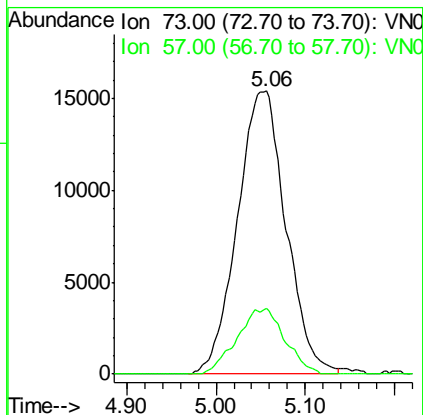
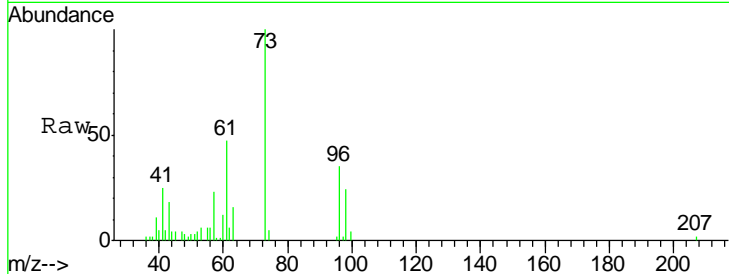
#19
 Methyl tert-butyl Ether
 Concen: 4.39 ug/l
 RT: 5.06 min Scan# 1078
 Delta R.T. 0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
73	58229		
73	100		
57	23.2	18.0	27.0

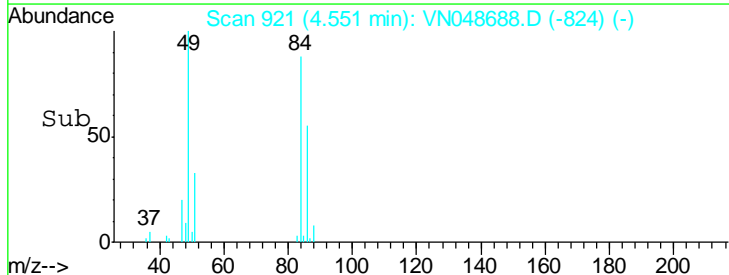
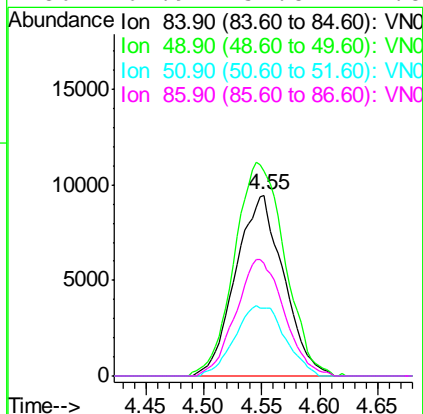
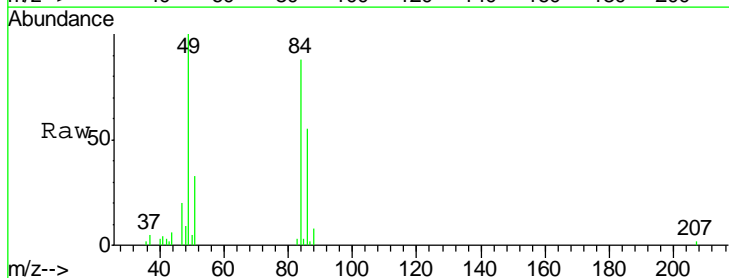
Manual Integrations
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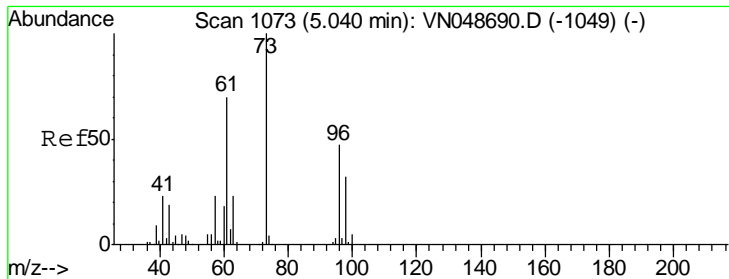
MMDadoda
 5/31/2018 11:12:34 AM



#20
 Methylene Chloride
 Concen: 4.95 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
84	27181		
84	100		
49	113.4	97.7	146.5
51	37.2	30.4	45.6
86	61.9	51.8	77.8





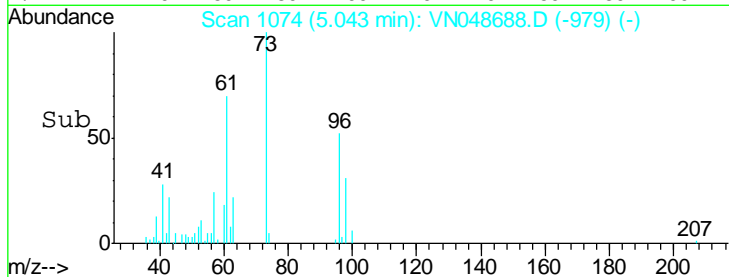
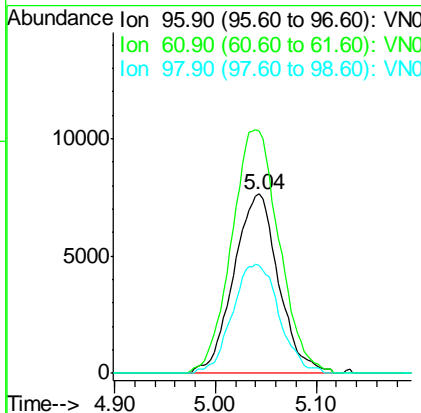
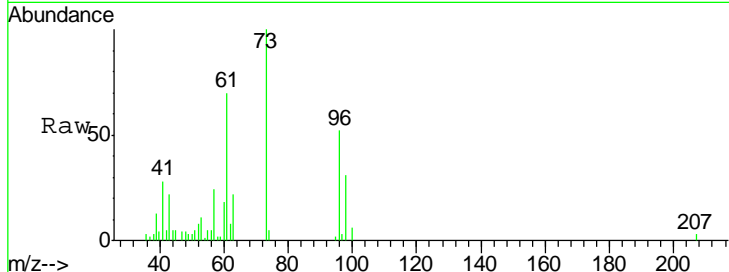
#21
 trans-1,2-Dichloroethene
 Concen: 5.00 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	23571		
96	100		
61	135.1	112.2	168.2
98	60.2	50.5	75.7

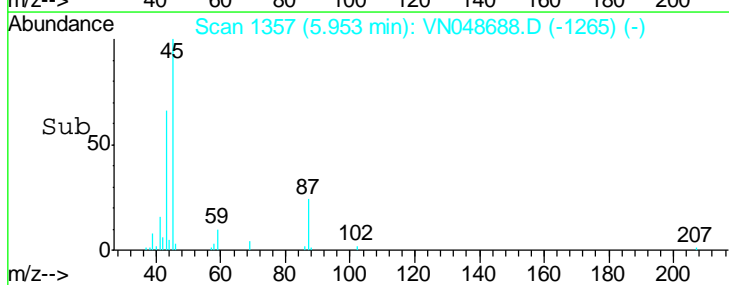
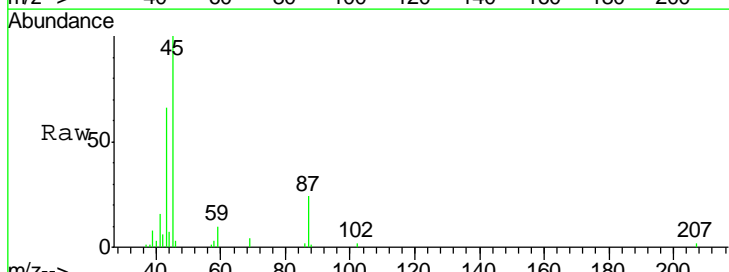
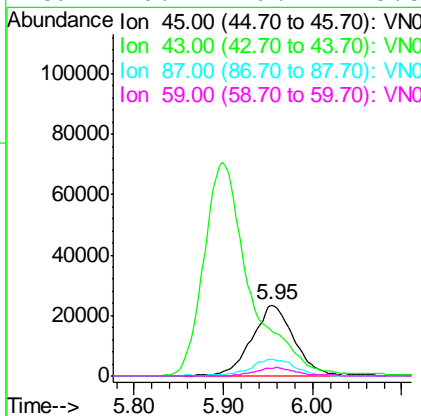
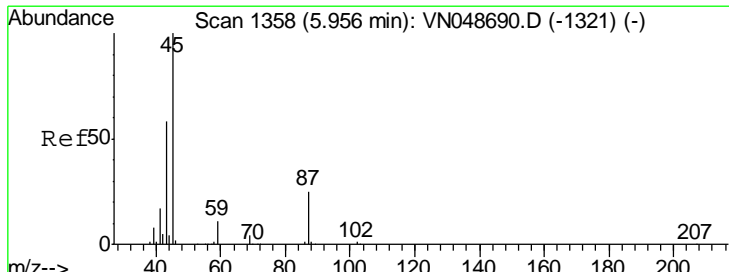
Manual Integrations
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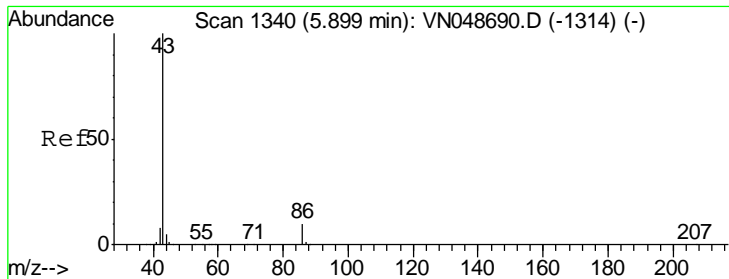
MMDadoda
 5/31/2018 11:12:34 AM



#22
 Diisopropyl ether
 Concen: 4.85 ug/l
 RT: 5.95 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
45	76748		
45	100		
43	60.7	43.8	65.8
87	24.3	21.8	32.6
59	10.2	9.2	13.8





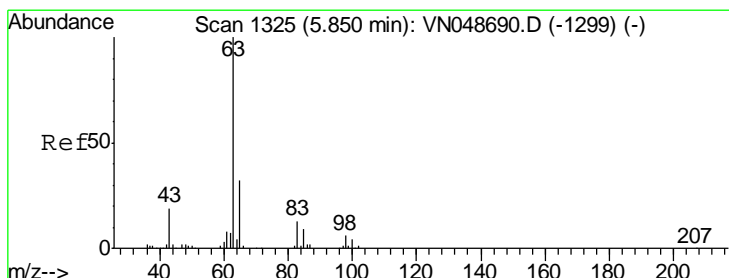
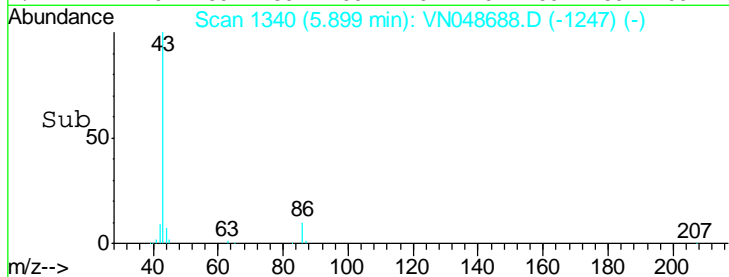
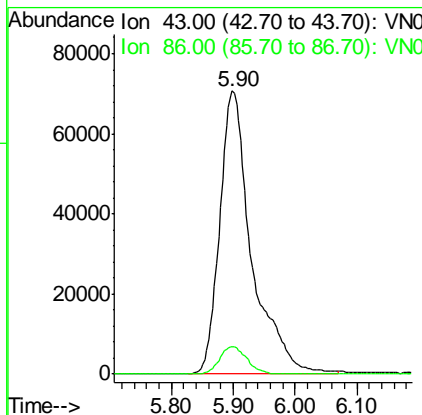
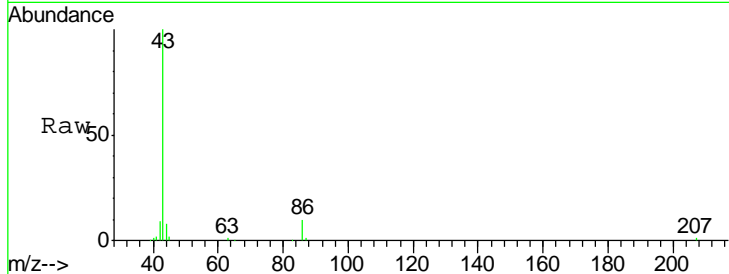
#23
 Vinyl Acetate
 Concen: 22.43 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
86	9.9	8.2	12.2

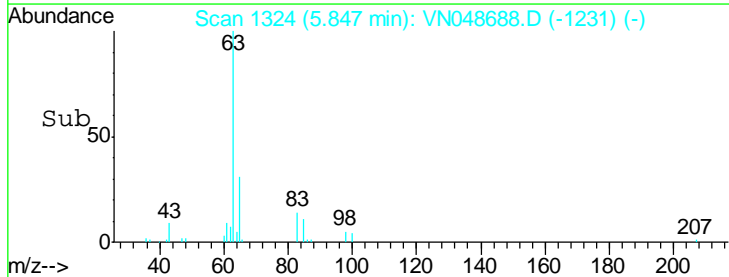
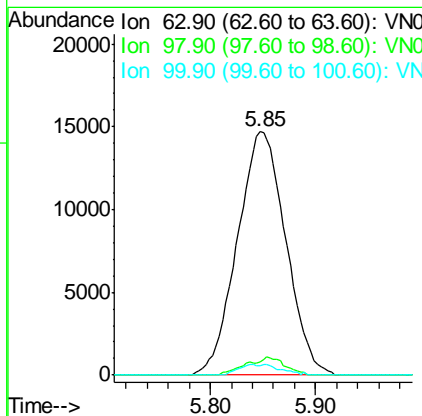
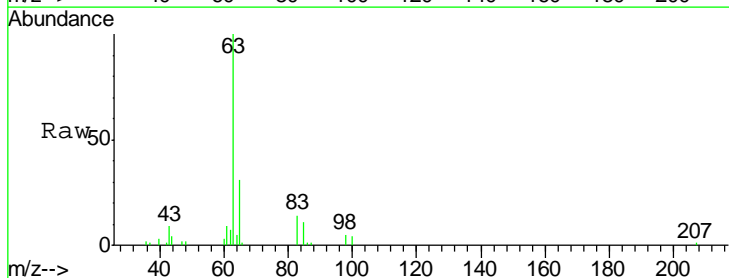
Manual Integrations
APPROVED

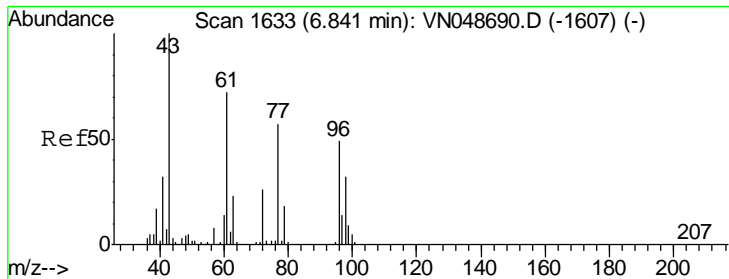
MMDadoda
 5/31/2018 11:12:34 AM



#24
 1,1-Dichloroethane
 Concen: 5.12 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
63	100		
98	5.2	3.2	9.6
100	4.0	2.1	6.3





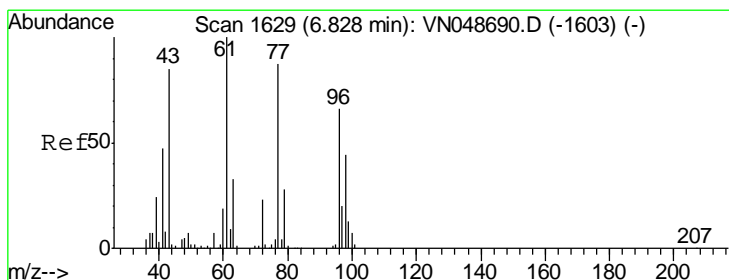
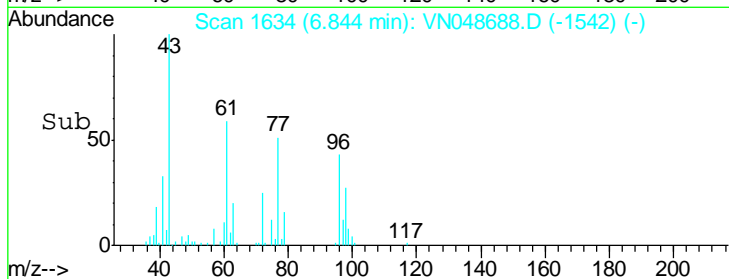
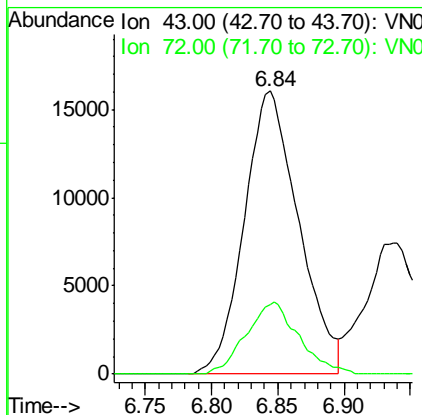
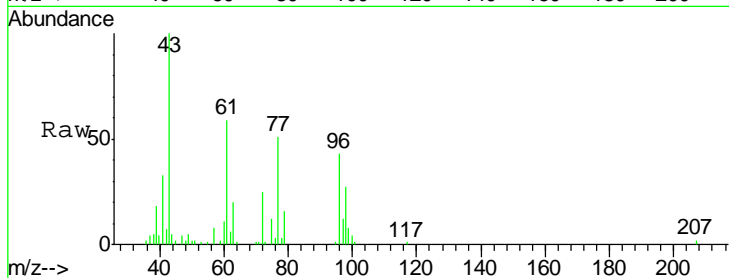
#25
 2-Butanone
 Concen: 16.55 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
72	24.7	20.8	31.2

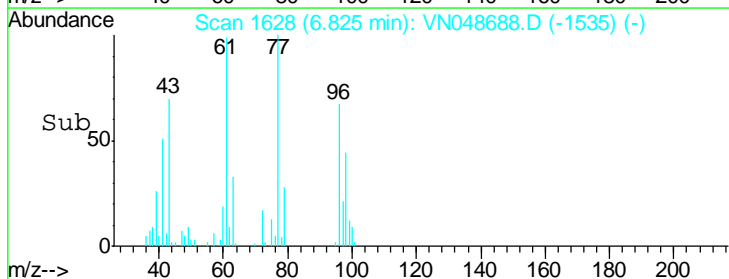
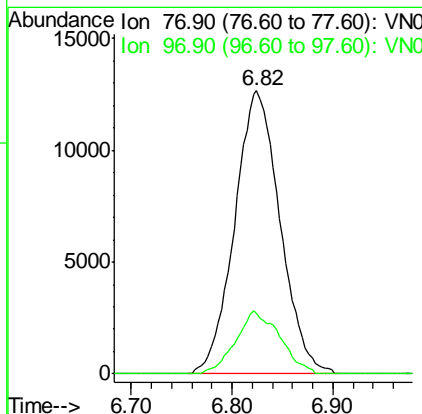
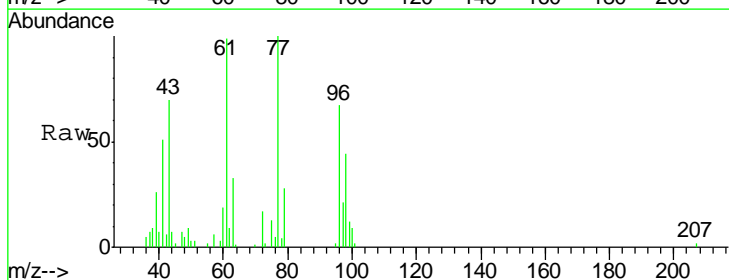
Manual Integrations
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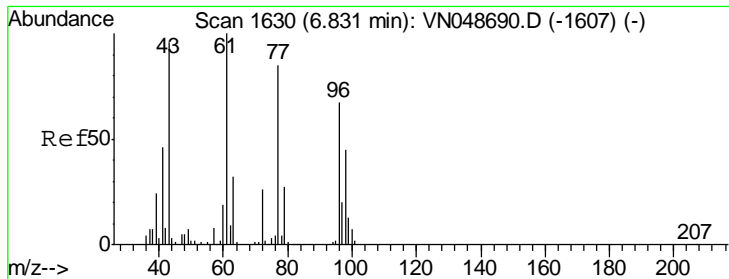
MMDadoda
 5/31/2018 11:12:34 AM



#26
 2,2-Dichloropropane
 Concen: 5.31 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
77	100		
97	21.7	11.9	35.5





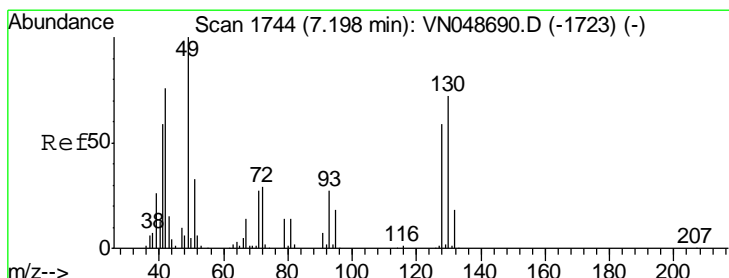
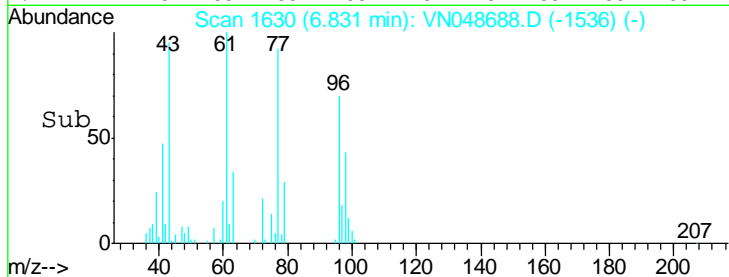
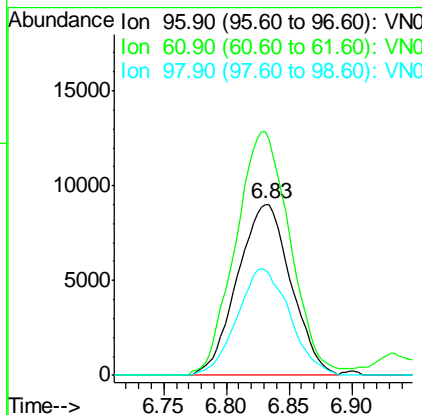
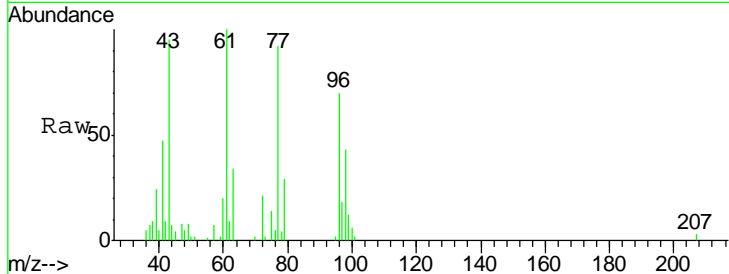
#27
 cis-1,2-Dichloroethene
 Concen: 5.05 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	26821		
96	100		
61	144.5	0.0	292.6
98	61.4	0.0	128.2

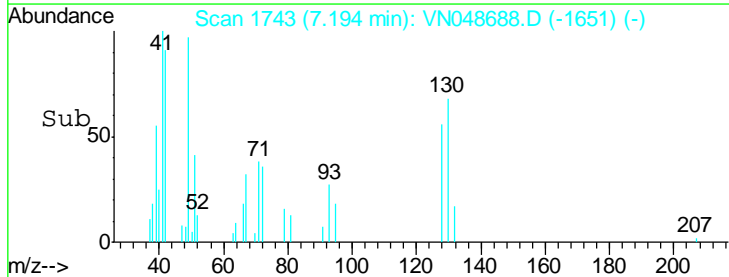
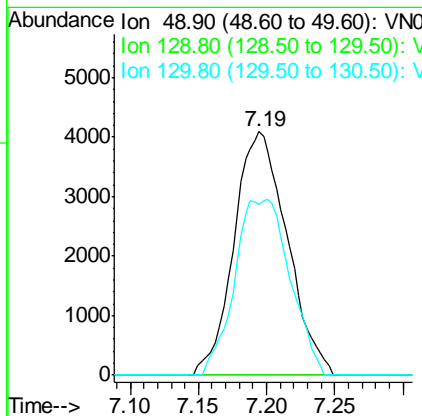
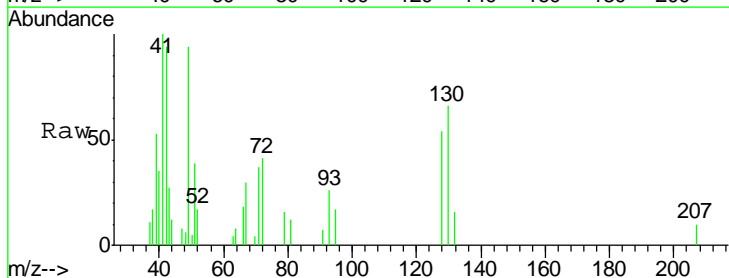
Manual Integrations
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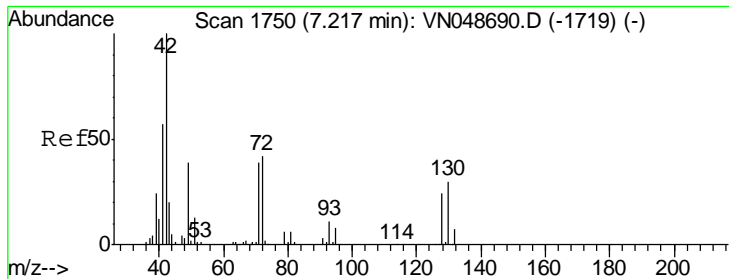
MMDadoda
 5/31/2018 11:12:34 AM



#28
 Bromochloromethane
 Concen: 3.34 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
49	11046		
49	100		
129	0.0	0.0	3.8
130	35.7	64.2	96.2#



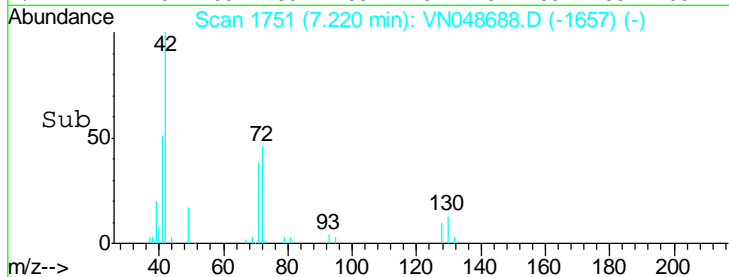
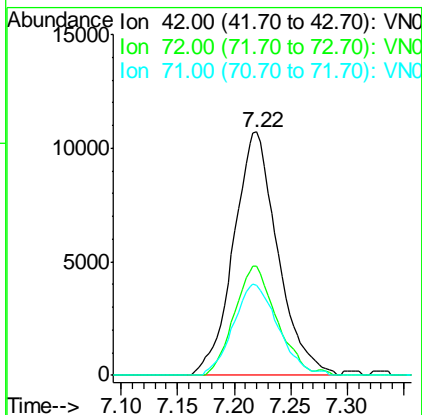
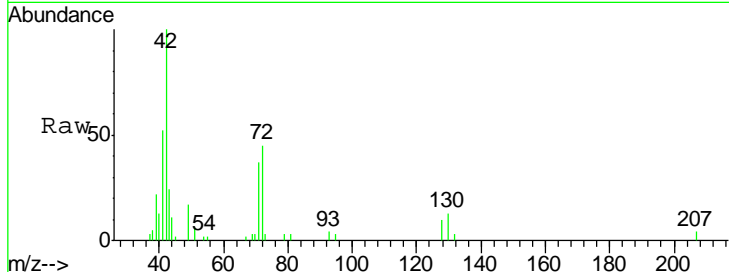


#29
 Tetrahydrofuran
 Concen: 16.44 ug/l
 RT: 7.22 min Scan# 1751
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
42	100		
72	42.7	34.2	51.4
71	37.6	31.8	47.8

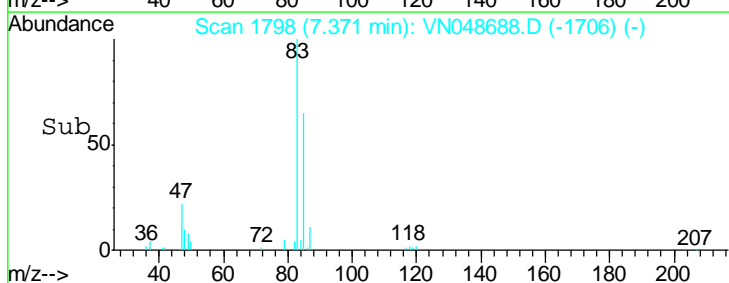
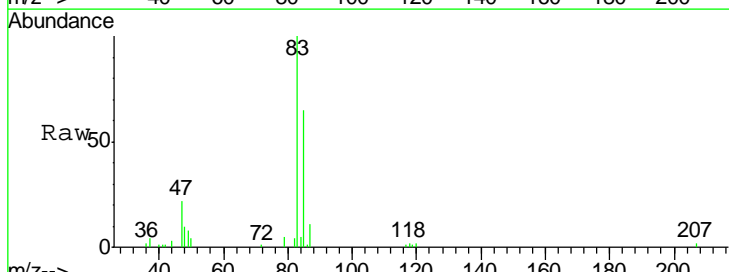
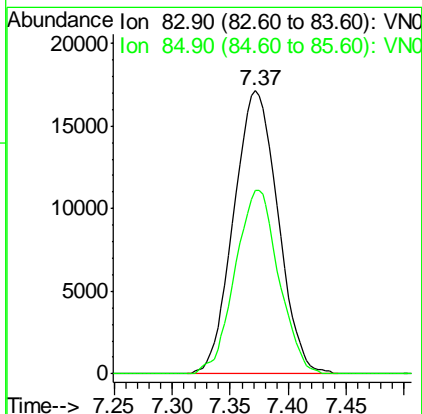
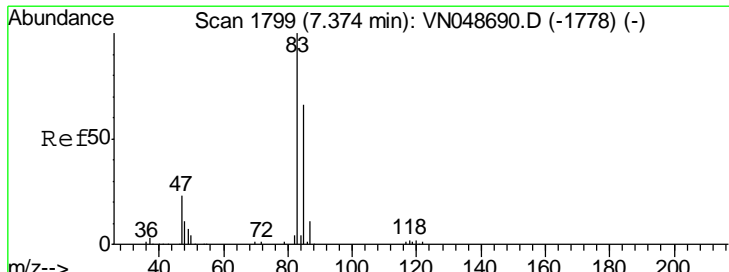
Instrument : MSVOA_N
 ClientSampled : VSTDIC005

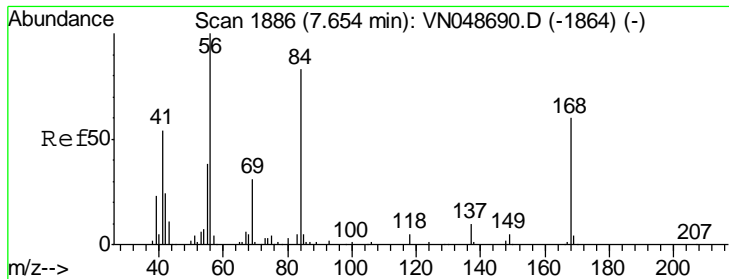
Manual Integrations APPROVED
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 5/31/2018 11:12:34 AM



#30
 Chloroform
 Concen: 5.10 ug/l
 RT: 7.37 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.7	51.1	76.7





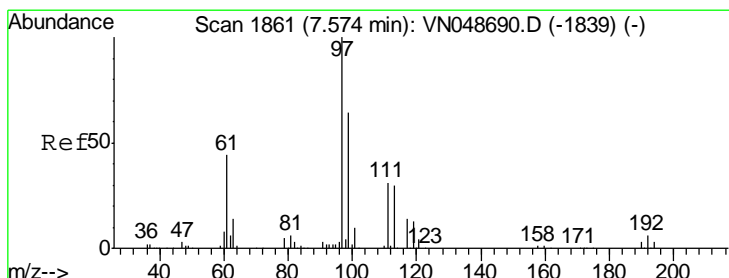
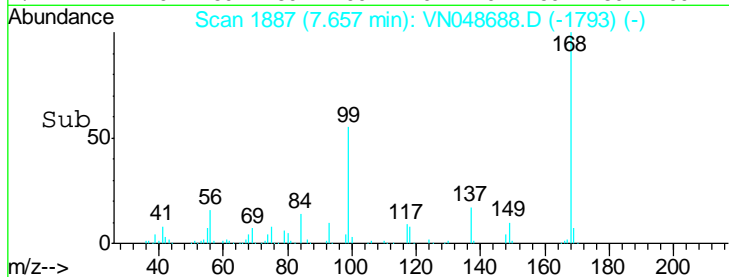
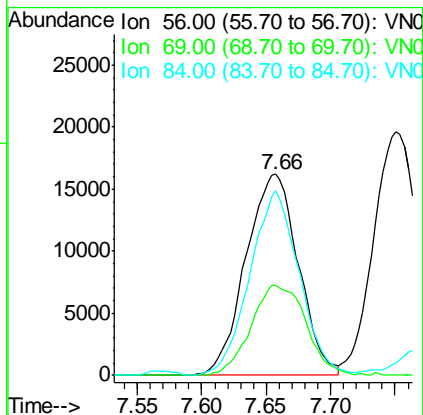
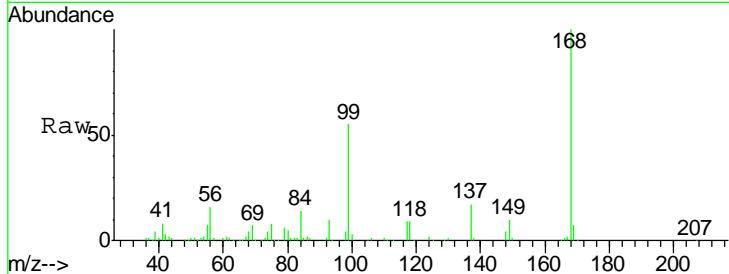
#31
 Cyclohexane
 Concen: 4.94 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	46006		
56	100		
69	44.6	25.6	38.4
84	91.6	67.5	101.3

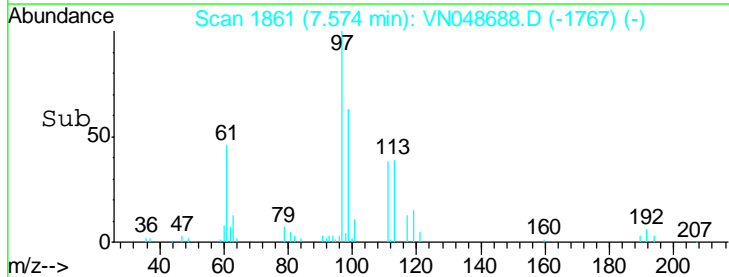
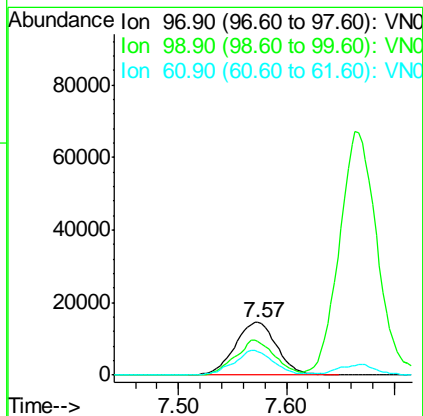
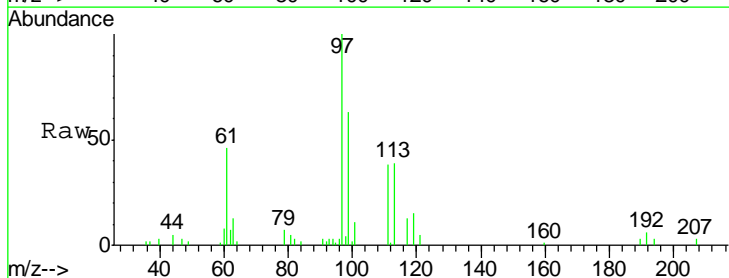
Manual Integrations
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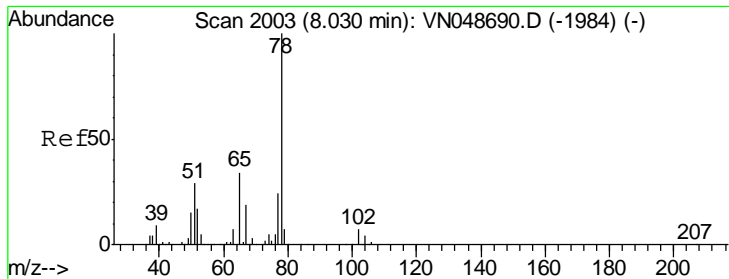
MMDadoda
 5/31/2018 11:12:34 AM



#32
 1,1,1-Trichloroethane
 Concen: 5.08 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
97	39456		
97	100		
99	61.5	51.4	77.2
61	44.4	34.2	51.2





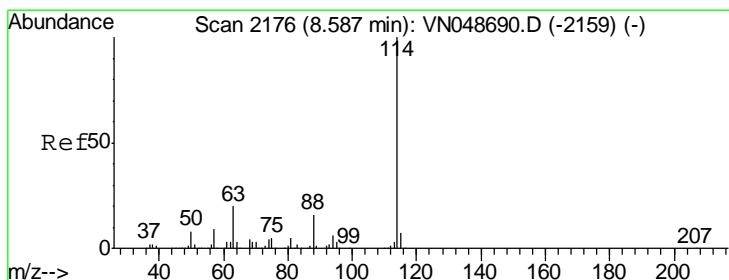
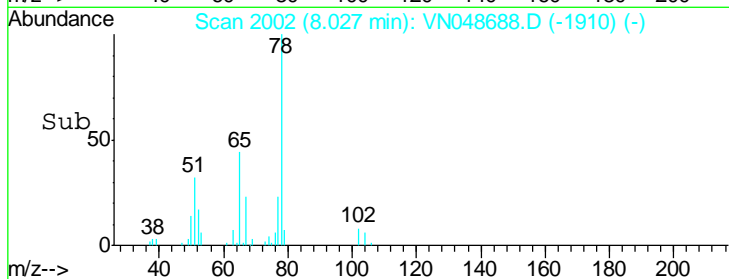
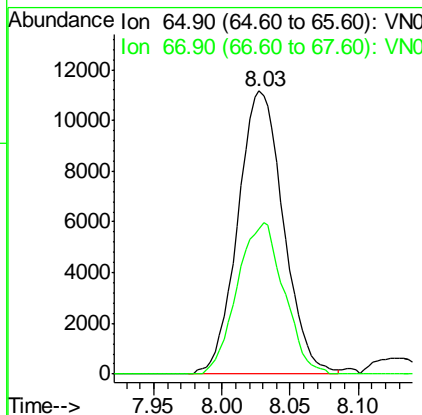
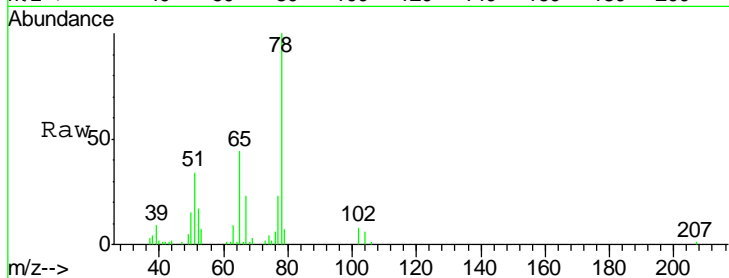
#33
 1,2-Dichloroethane-d4
 Concen: 4.51 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
65	25910		
65	100		
67	55.0	0.0	108.4

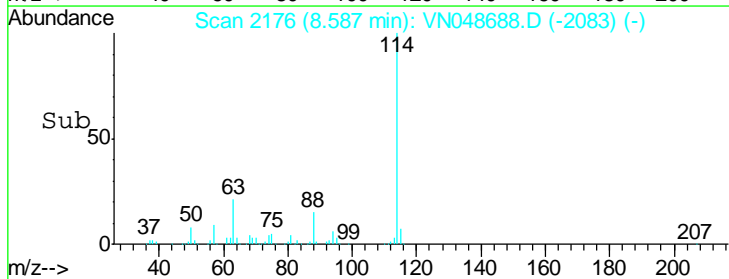
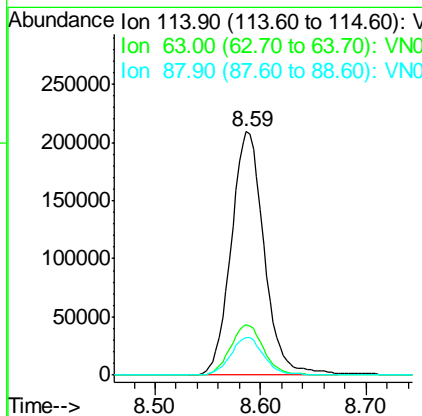
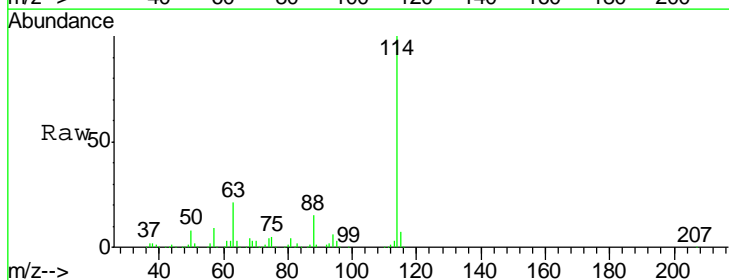
Manual Integrations
 APPROVED

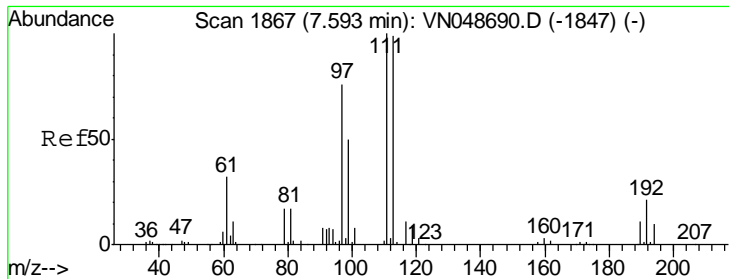
MMDadoda
 5/31/2018 11:12:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

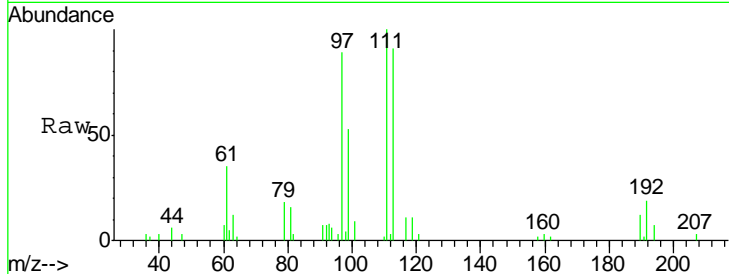
Tgt Ion	Resp	Lower	Upper
114	452655		
114	100		
63	20.7	0.0	40.0
88	15.5	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 4.64 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

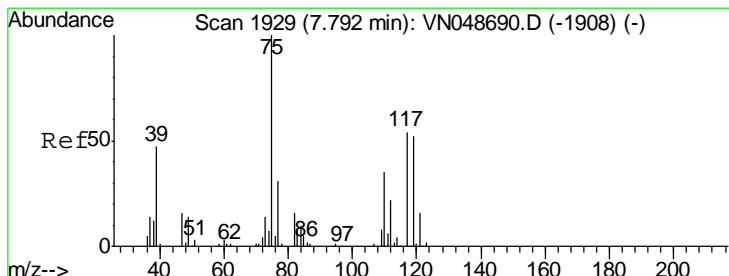
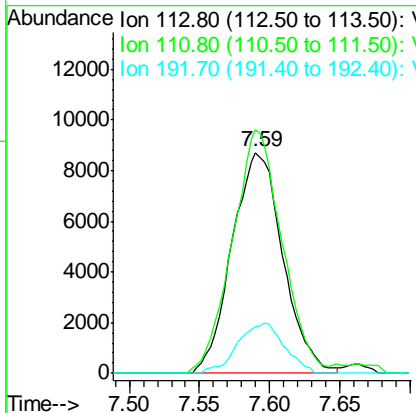
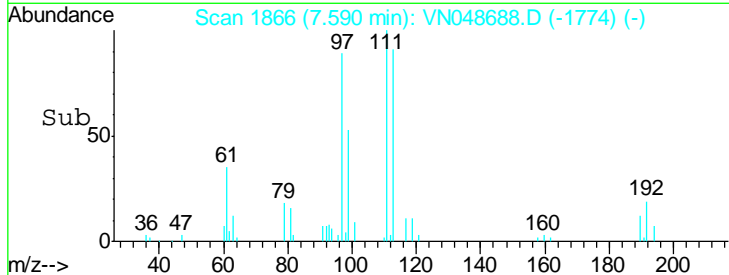
Instrument : MSVOA_N
 ClientSampled : VSTDIC005



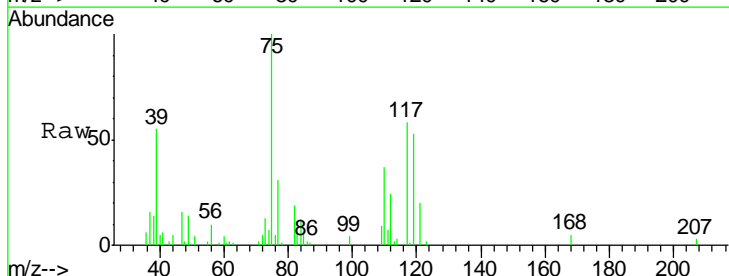
Tgt Ion: 113 Resp: 22022

Ion	Ratio	Lower	Upper
113	100		
111	107.3	81.7	122.5
192	20.8	17.6	26.4

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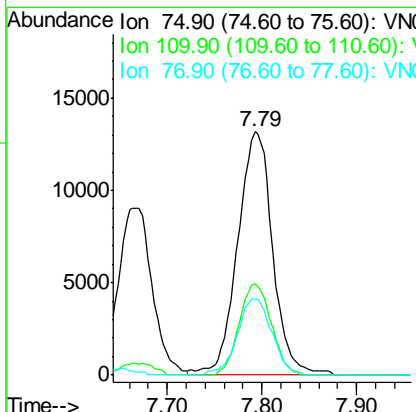
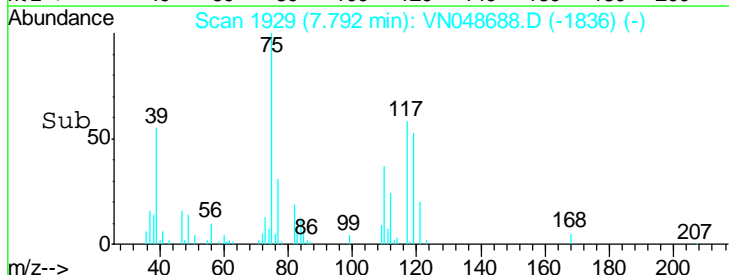


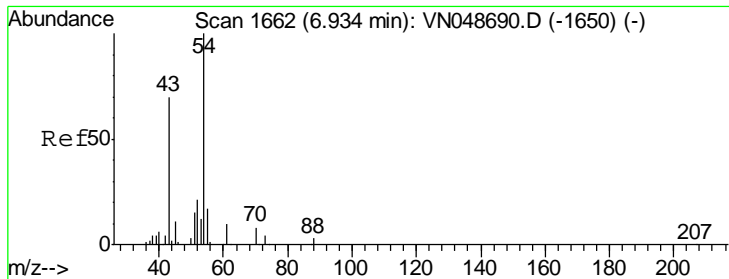
#36
 1,1-Dichloropropene
 Concen: 5.12 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14



Tgt Ion: 75 Resp: 33995

Ion	Ratio	Lower	Upper
75	100		
110	34.4	18.4	55.0
77	30.9	25.0	37.4





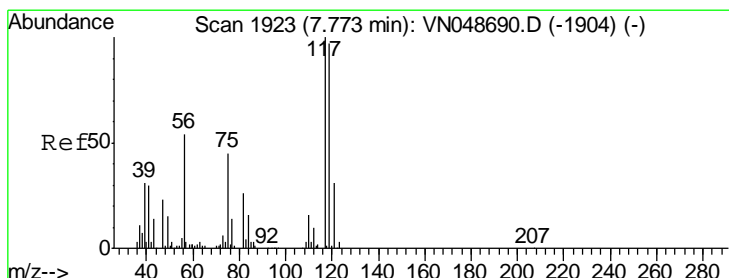
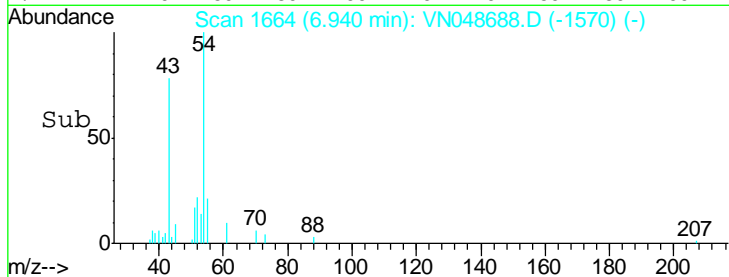
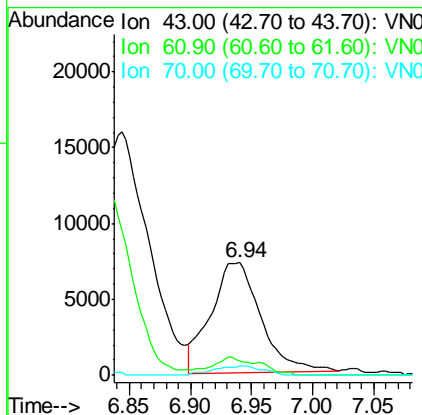
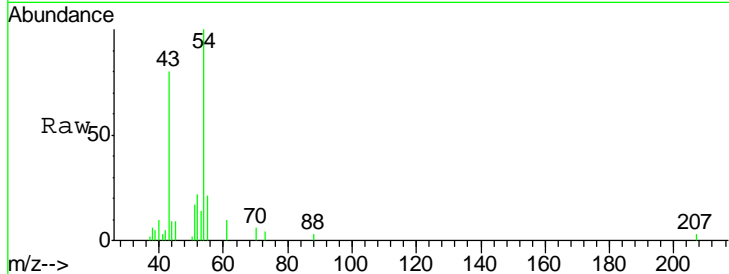
#37
 Ethyl Acetate
 Concen: 3.73 ug/l
 RT: 6.94 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
61	15.8	11.4	17.2
70	8.3	8.6	12.8#

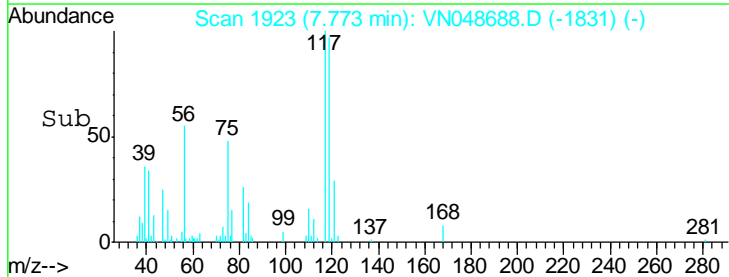
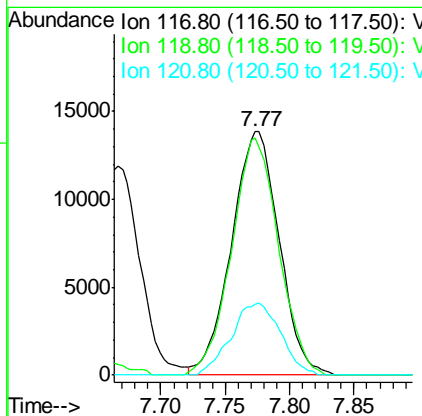
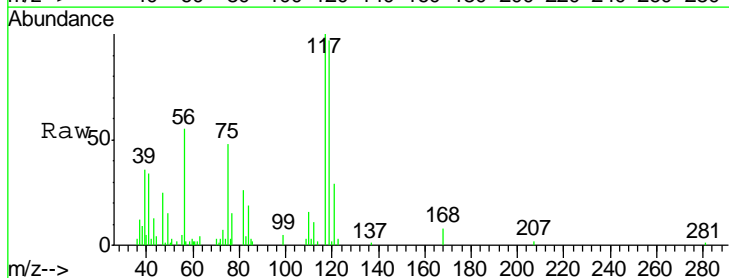
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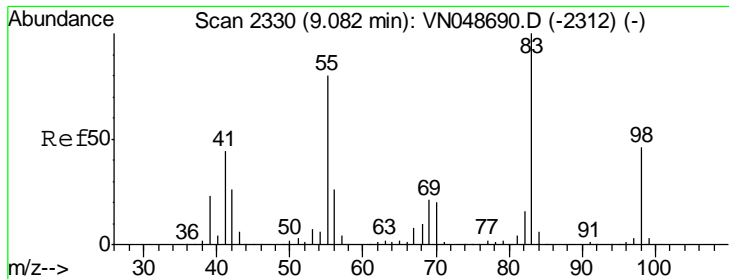
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#38
 Carbon Tetrachloride
 Concen: 5.20 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
117	100		
119	97.5	78.0	117.0
121	29.1	24.5	36.7





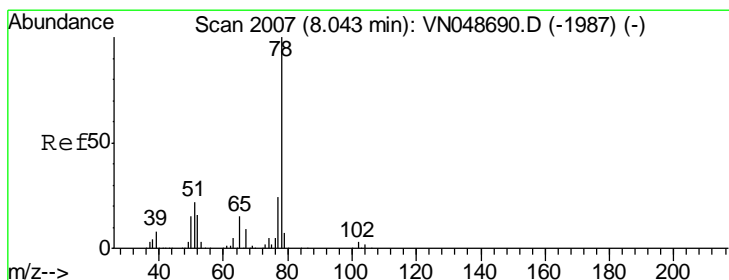
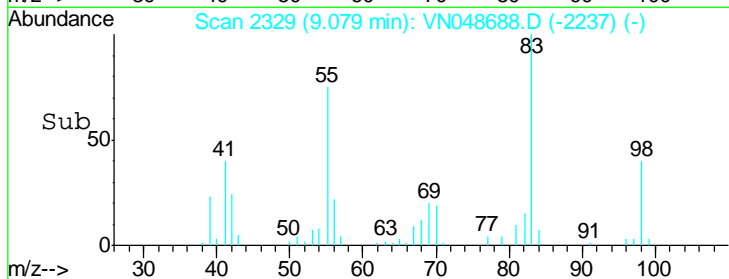
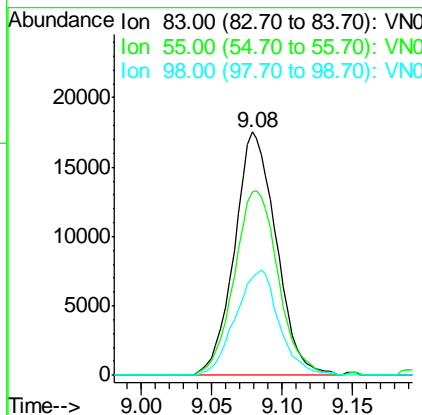
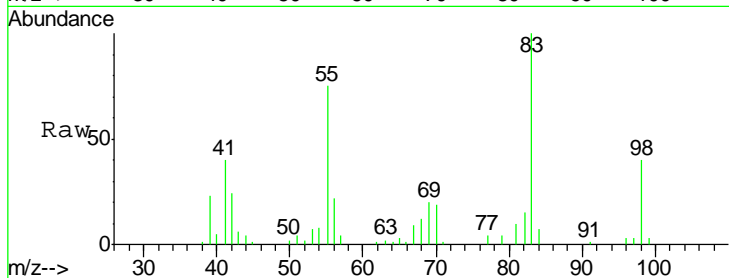
#39
 Methylcyclohexane
 Concen: 4.94 ug/l
 RT: 9.08 min Scan# 2329
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	36319		
83	100		
55	75.2	61.7	92.5
98	40.4	36.8	55.2

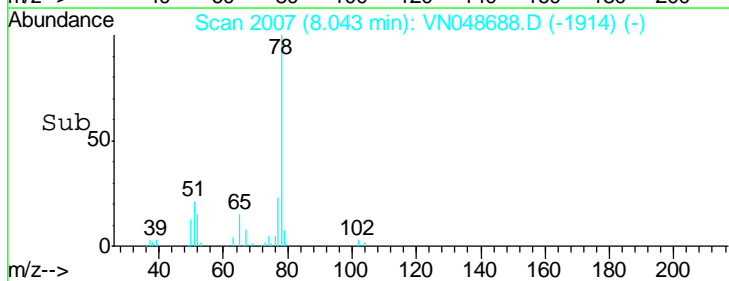
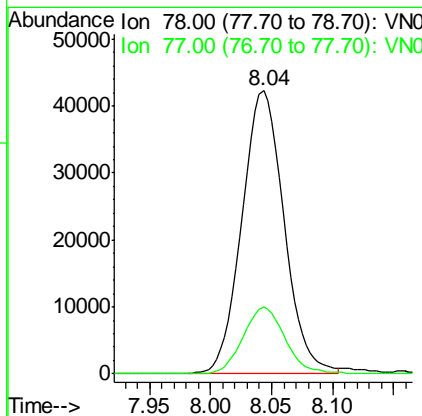
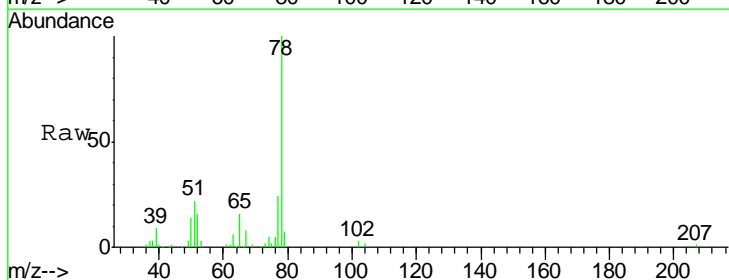
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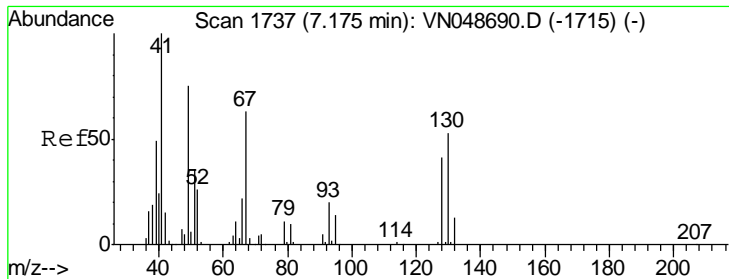
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#40
 Benzene
 Concen: 5.09 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
78	101215		
78	100		
77	23.8	18.7	28.1



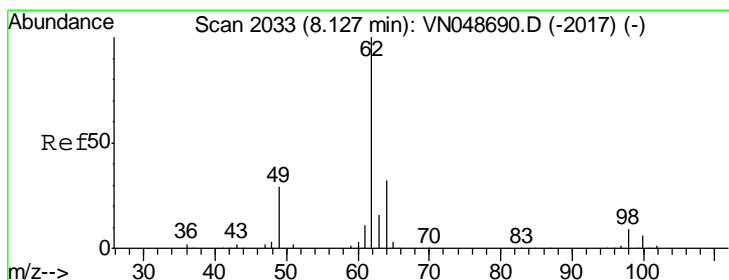
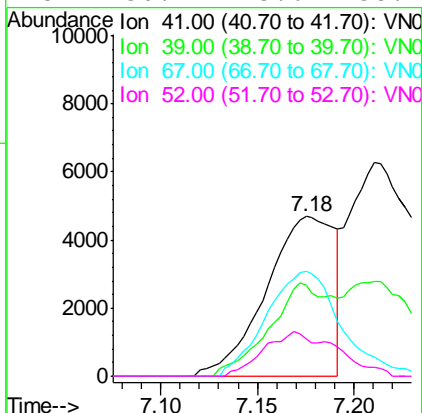
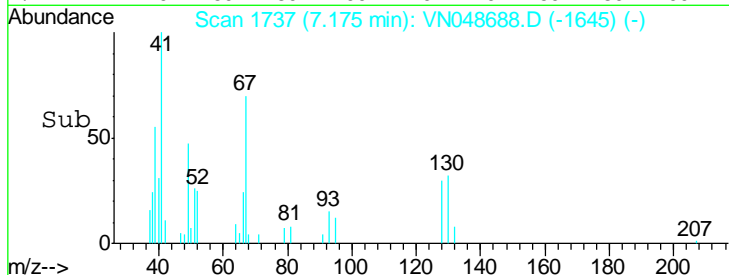
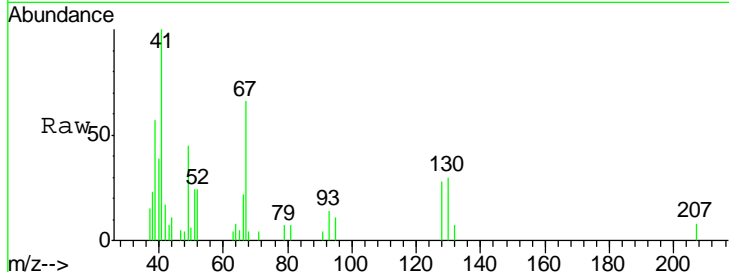


#41
 Methacrylonitrile
 Concen: 3.94 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
41	100		
39	52.8	47.4	71.2
67	72.1	62.4	93.6
52	30.2	25.6	38.4

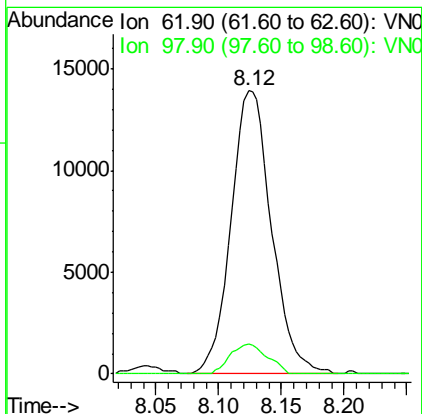
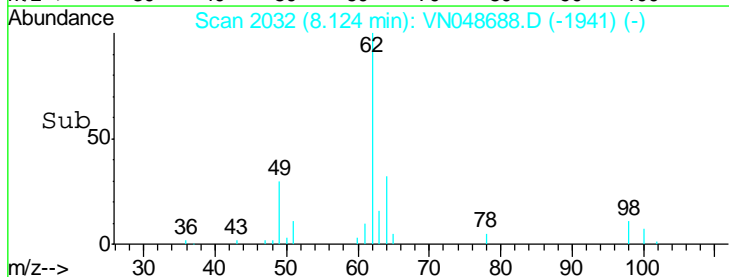
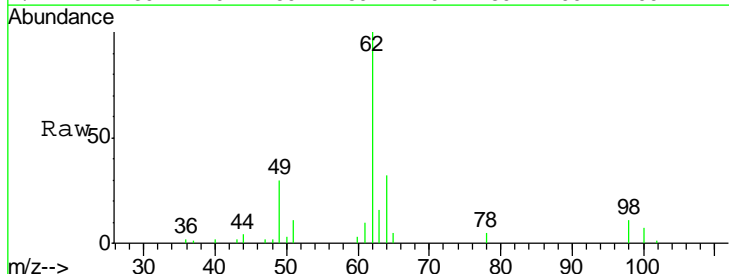
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

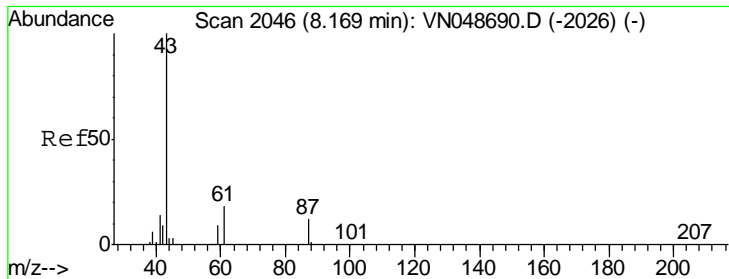
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#42
 1,2-Dichloroethane
 Concen: 4.81 ug/l
 RT: 8.12 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

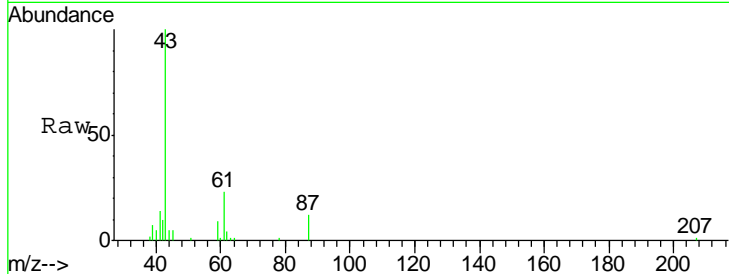
Tgt Ion	Resp	Lower	Upper
62	100		
98	9.7	0.0	18.2





#43
 Isopropyl Acetate
 Concen: 3.82 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

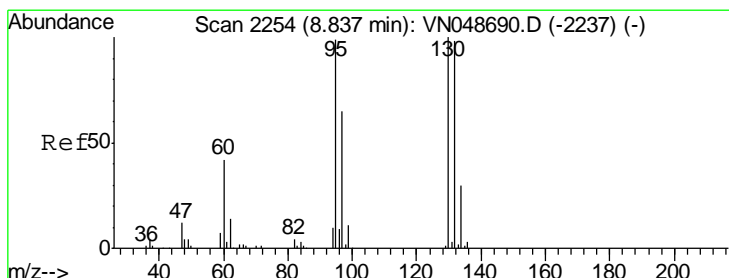
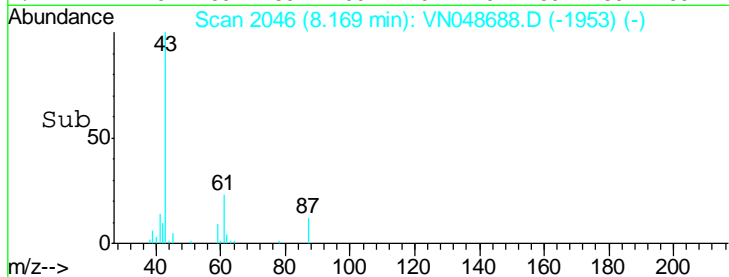
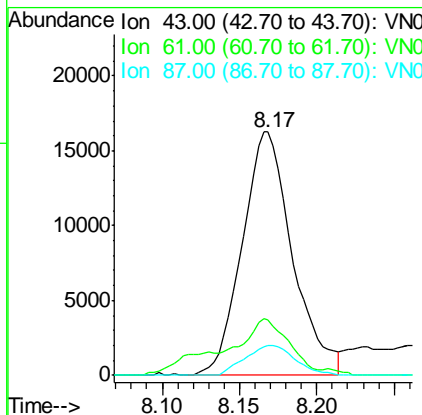


Tgt Ion: 43 Resp: 36735

Ion	Ratio	Lower	Upper
43	100		
61	31.3	22.2	33.2
87	12.2	10.6	15.8

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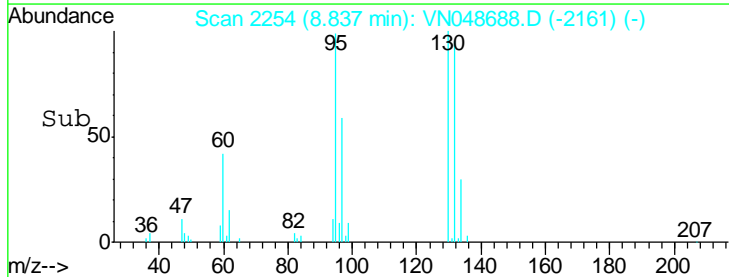
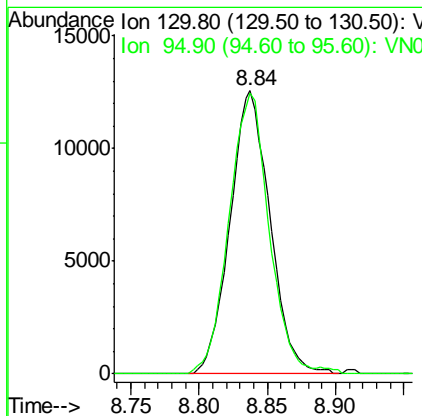
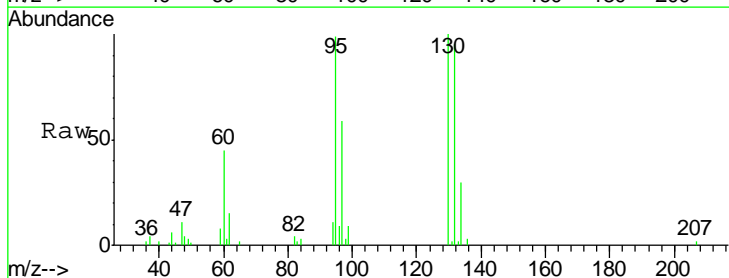
MMDadoda
 5/31/2018 11:12:34 AM

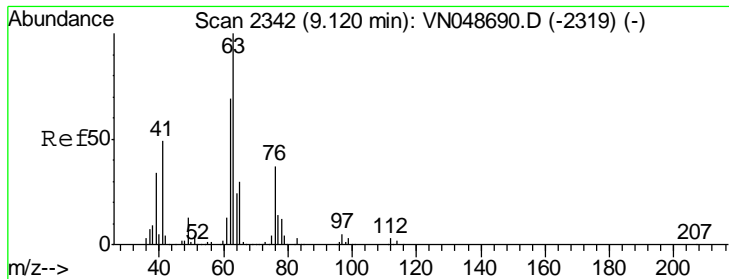


#44
 Trichloroethene
 Concen: 5.10 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion: 130 Resp: 25591

Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	191.6





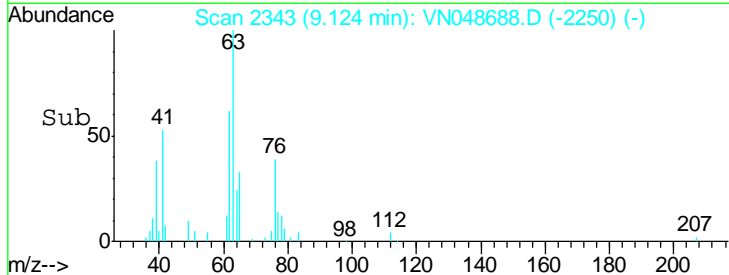
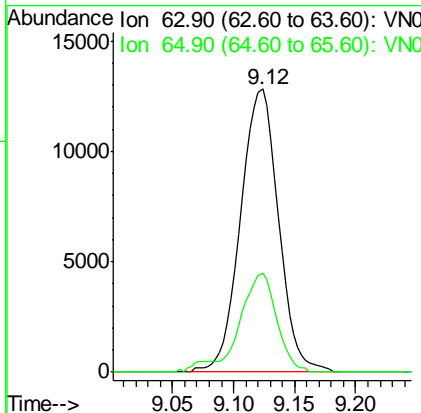
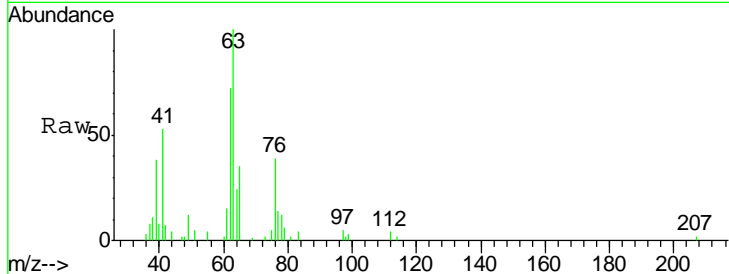
#45
 1,2-Dichloropropane
 Concen: 5.11 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
63	100		
65	35.0	23.9	35.9

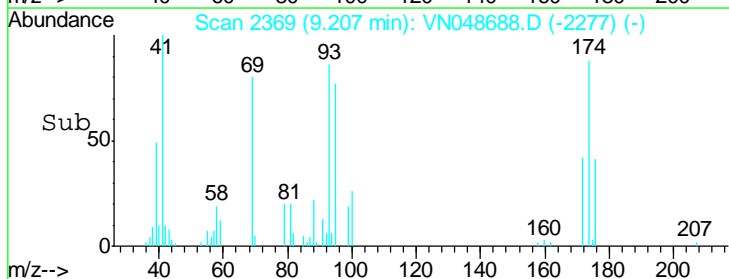
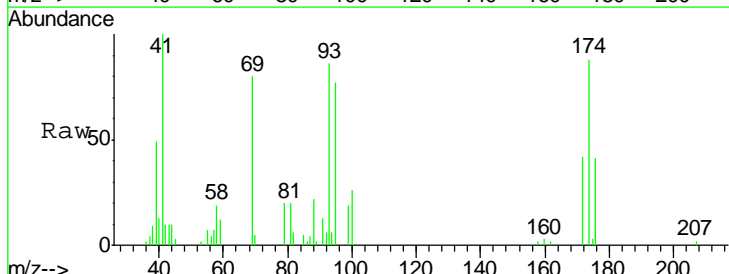
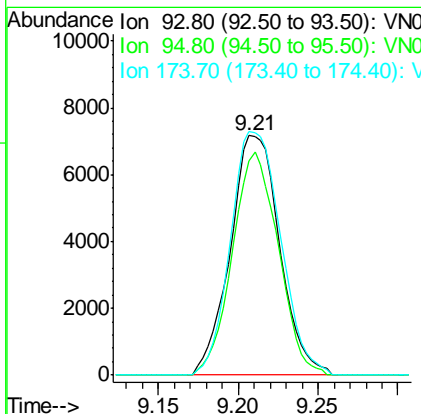
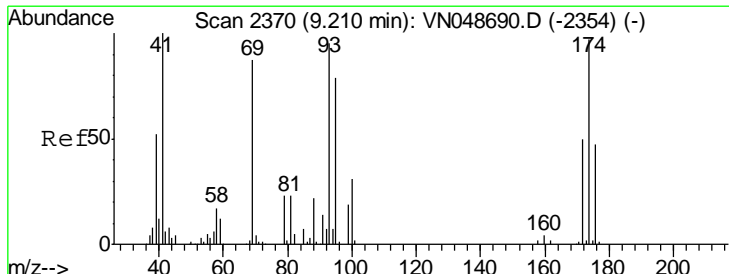
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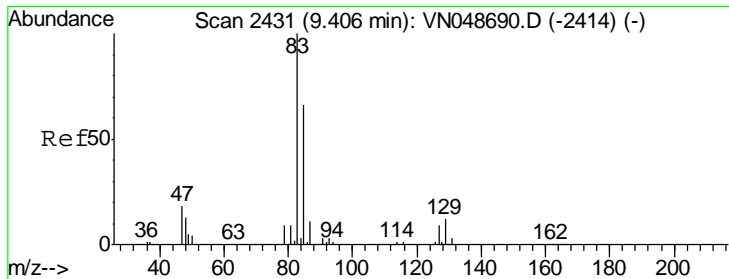
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#46
 Dibromomethane
 Concen: 4.58 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
93	100		
95	86.4	66.7	100.1
174	103.0	87.7	131.5





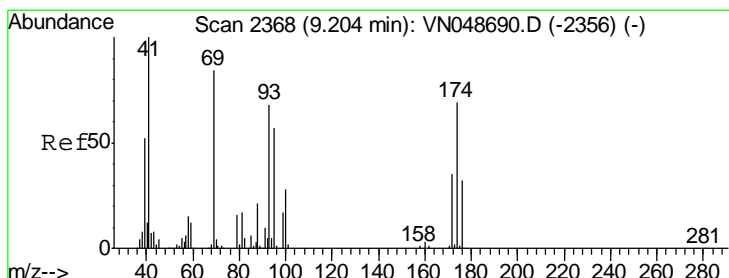
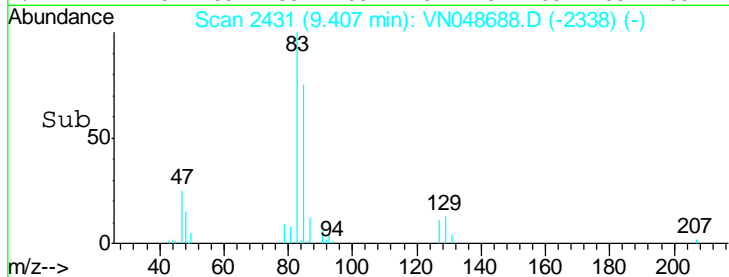
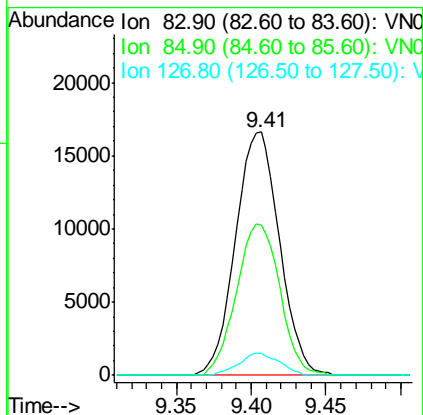
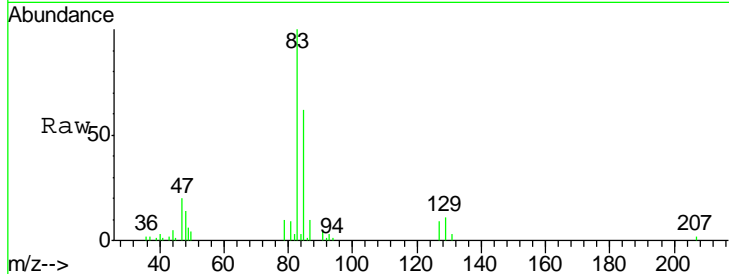
#47
 Bromodichloromethane
 Concen: 5.06 ug/l
 RT: 9.41 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	34055		
85	61.8	52.1	78.1
127	9.0	7.3	10.9

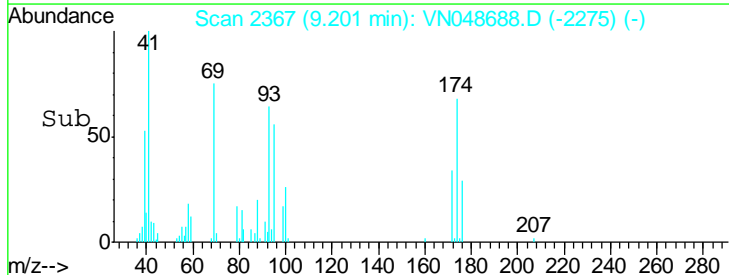
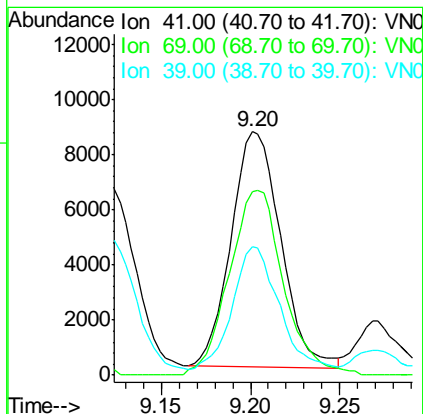
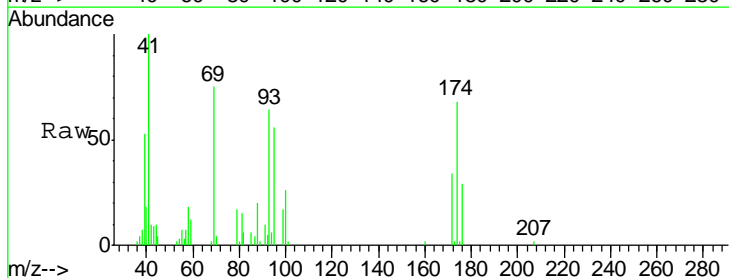
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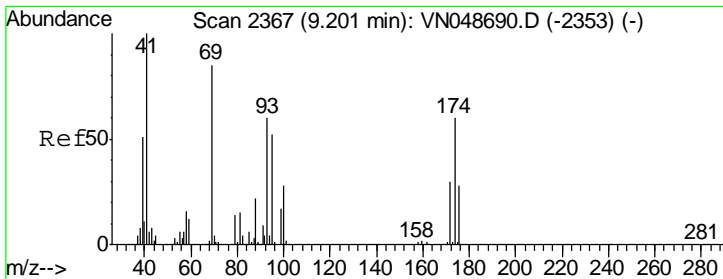
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#48
 Methyl methacrylate
 Concen: 3.55 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
41	16560		
69	85.8	68.6	103.0
39	51.2	42.3	63.5





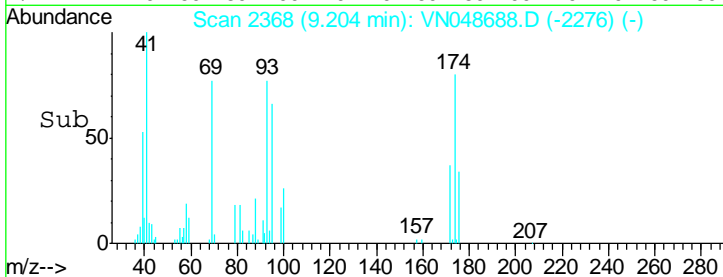
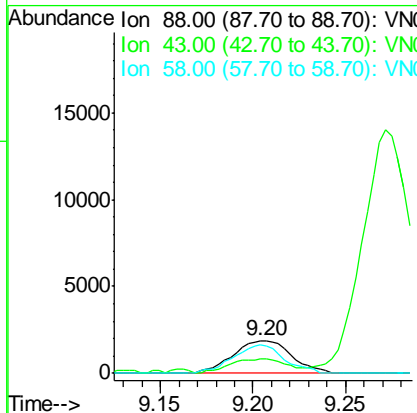
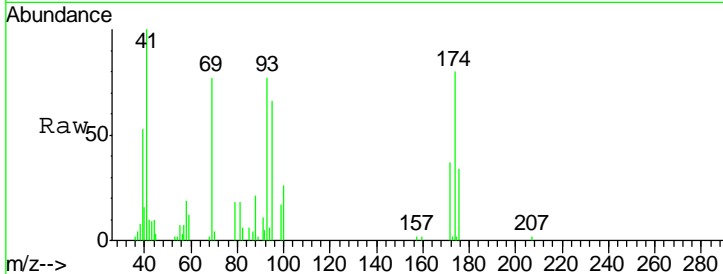
#49
 1,4-Dioxane
 Concen: 67.02 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
88	4137		
88	100		
43	43.0	27.6	41.4#
58	76.2	57.0	85.6

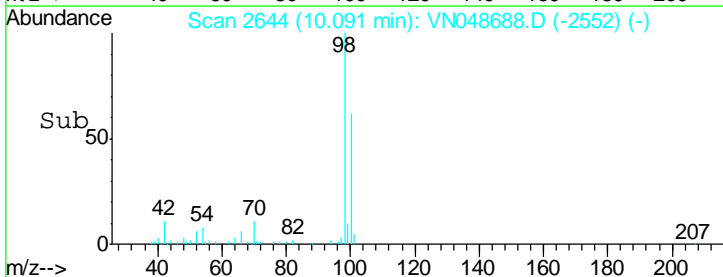
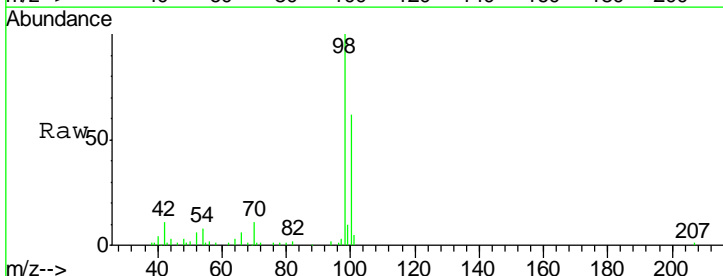
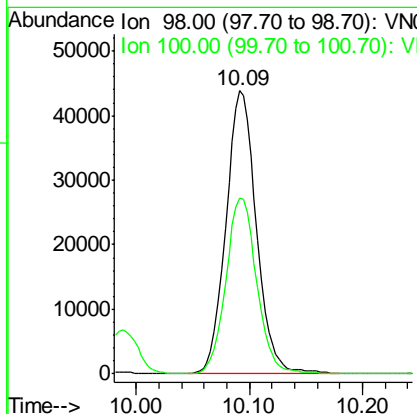
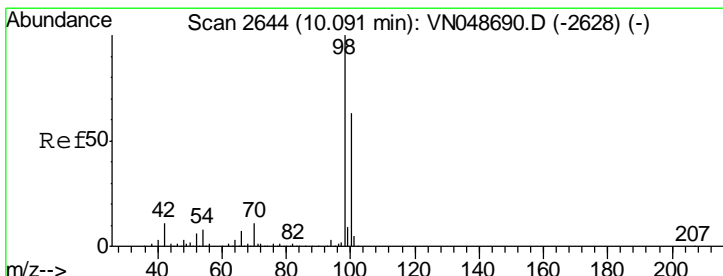
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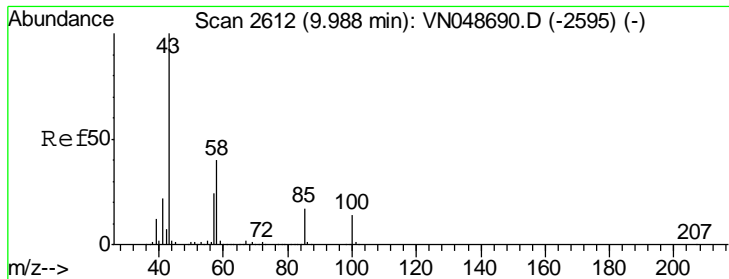
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#50
 Toluene-d8
 Concen: 4.65 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
98	82127		
98	100		
100	63.0	51.2	76.8





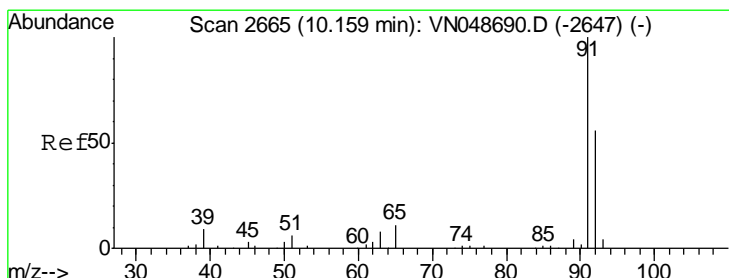
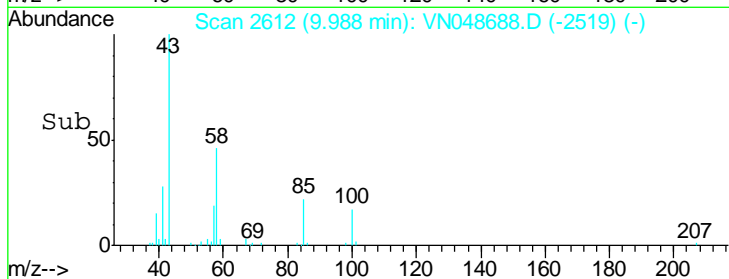
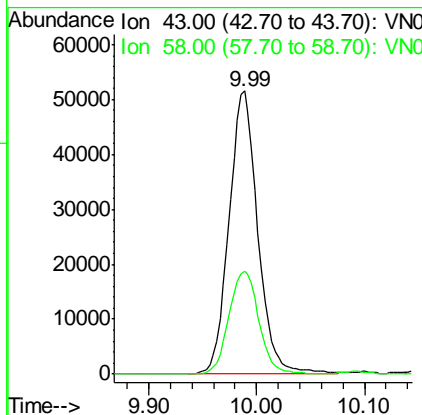
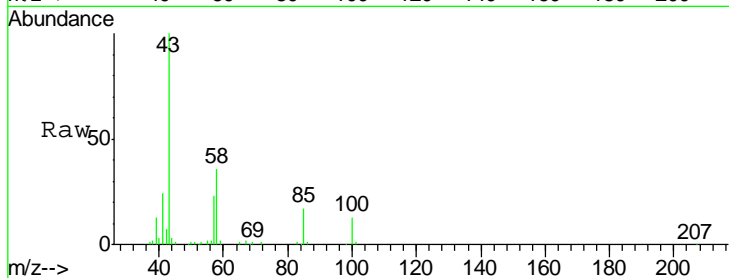
#51
 4-Methyl-2-Pentanone
 Concen: 17.37 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
58	37.6	31.0	46.6

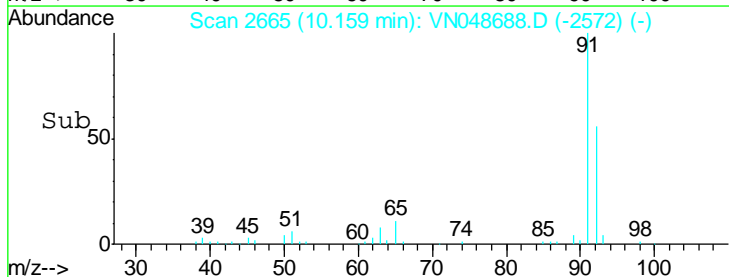
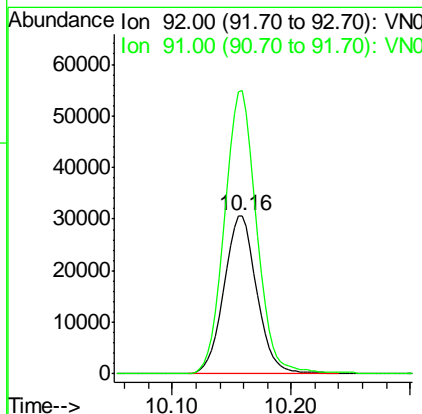
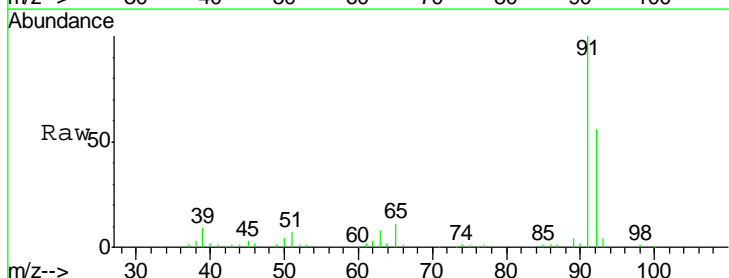
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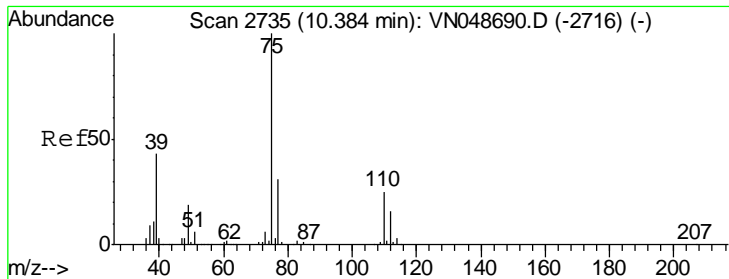
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#52
 Toluene
 Concen: 4.98 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
92	100		
91	175.5	141.0	211.4





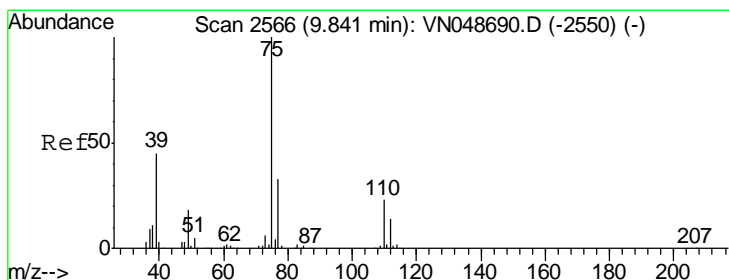
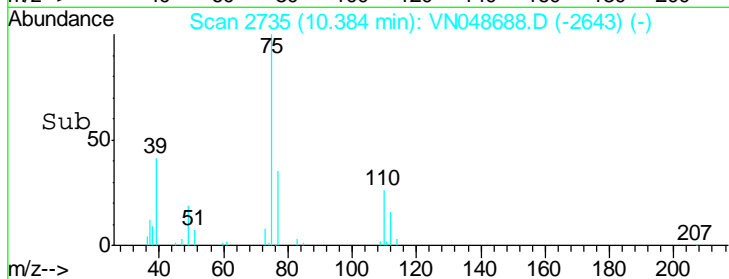
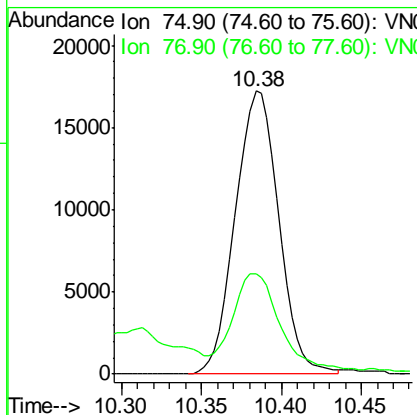
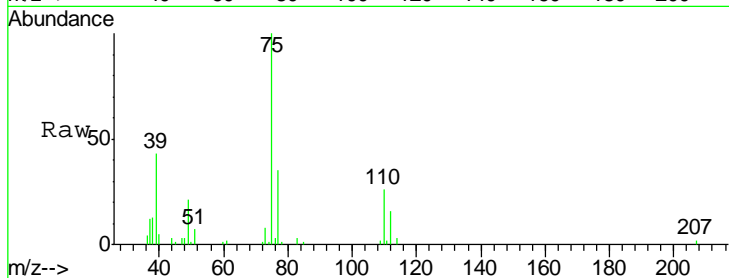
#53
 t-1,3-Dichloropropene
 Concen: 4.62 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	100		
77	32.9	24.9	37.3

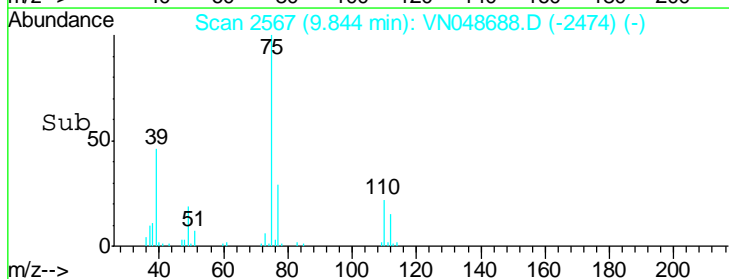
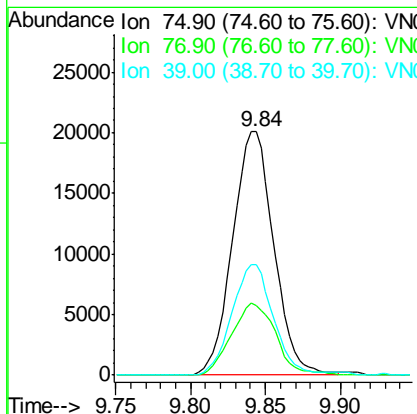
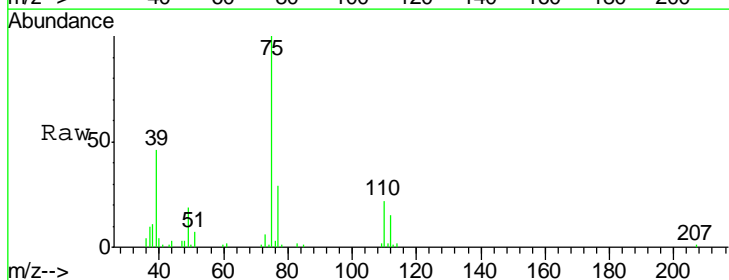
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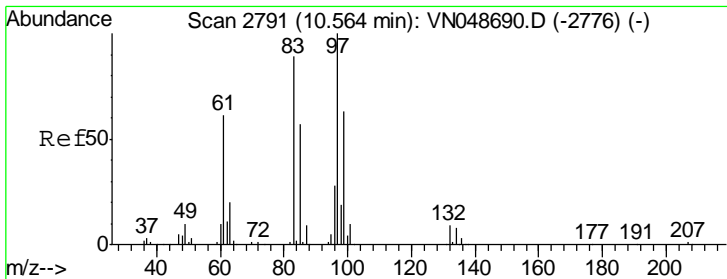
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#54
 cis-1,3-Dichloropropene
 Concen: 4.97 ug/l
 RT: 9.84 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

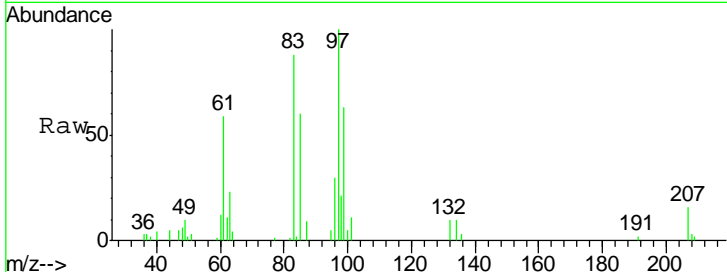
Tgt Ion	Resp	Lower	Upper
75	100		
77	28.8	25.1	37.7
39	45.6	36.7	55.1





#55
 1,1,2-Trichloroethane
 Concen: 4.57 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

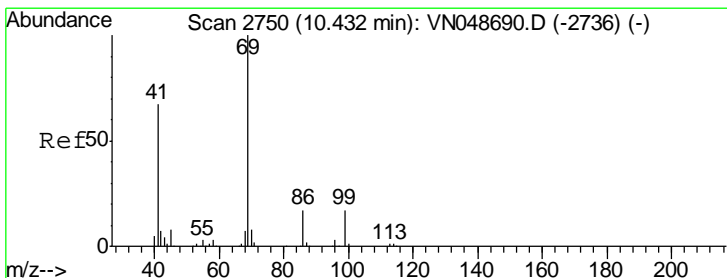
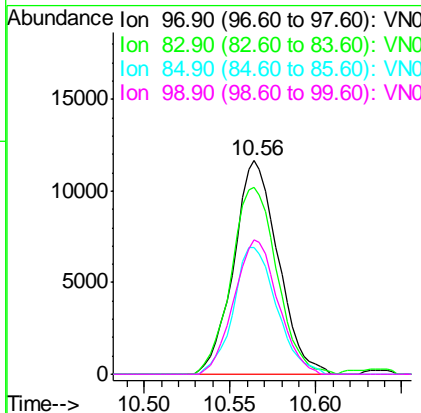
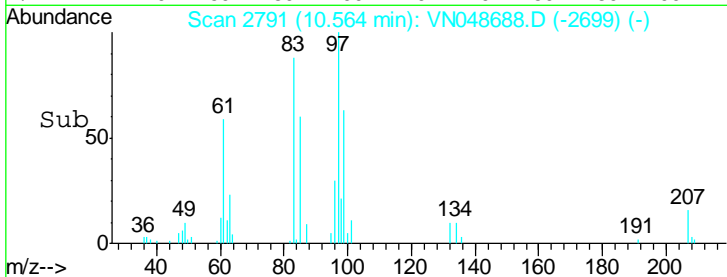
Instrument : MSVOA_N
 ClientSampled : VSTDIC005



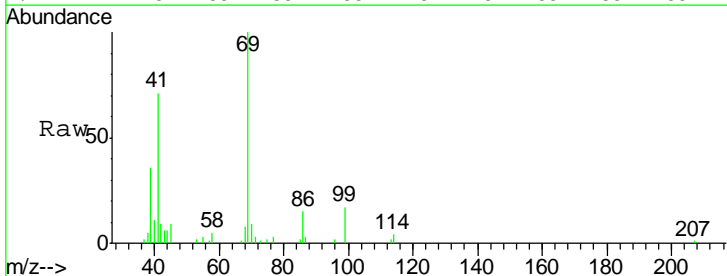
Tgt Ion: 97 Resp: 20941

Ion	Ratio	Lower	Upper
97	100		
83	87.8	68.7	103.1
85	59.6	43.4	65.2
99	62.9	49.6	74.4

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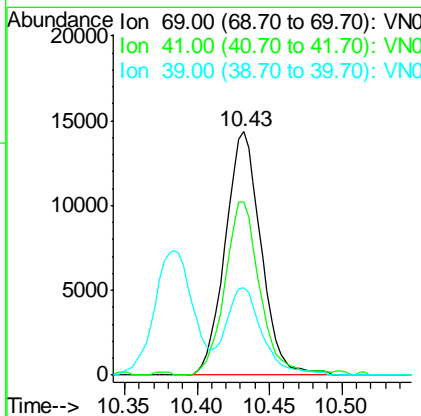
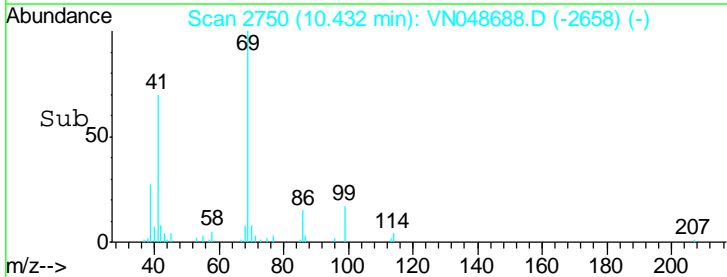


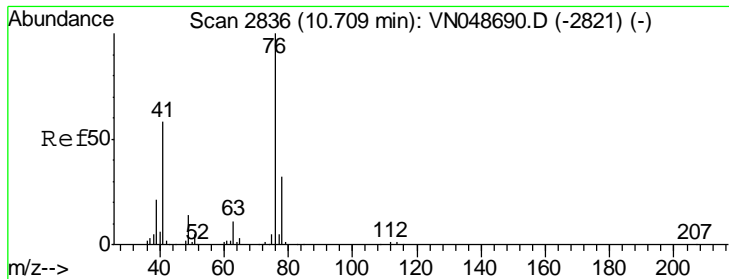
#56
 Ethyl methacrylate
 Concen: 3.84 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14



Tgt Ion: 69 Resp: 24548

Ion	Ratio	Lower	Upper
69	100		
41	69.9	52.3	78.5
39	36.6	26.4	39.6





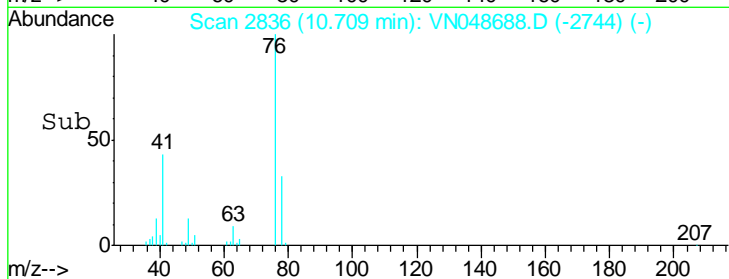
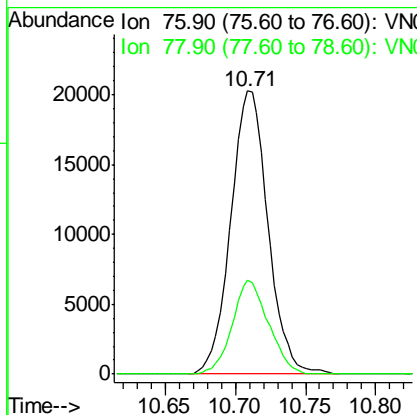
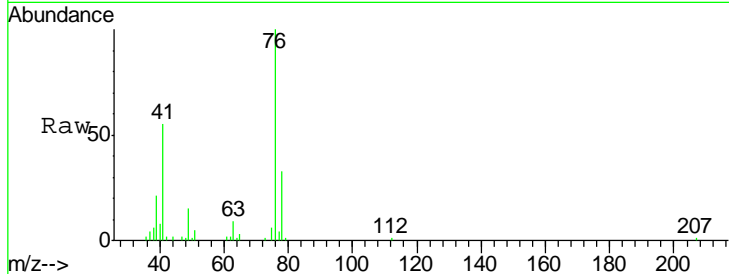
#57
 1,3-Dichloropropane
 Concen: 4.74 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	37478		
76	100		
78	32.2	25.7	38.5

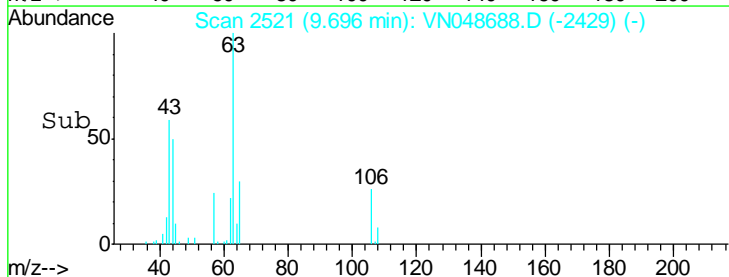
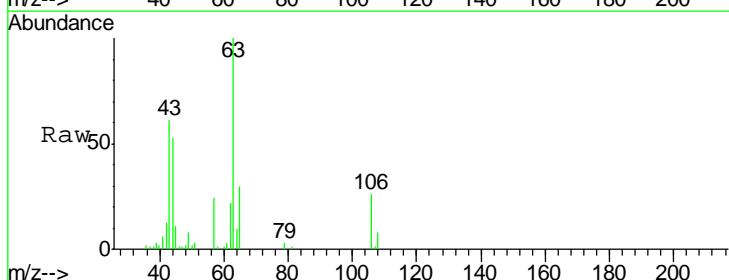
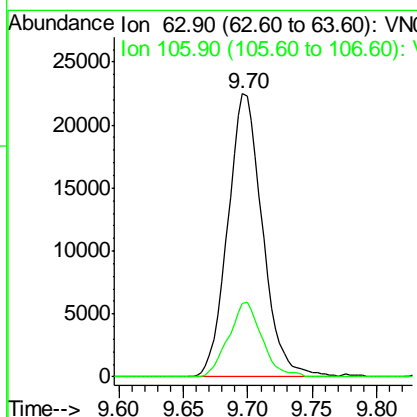
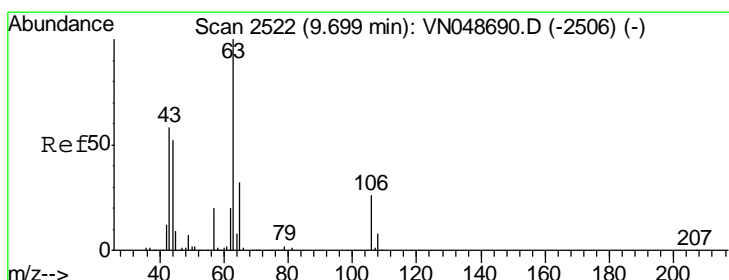
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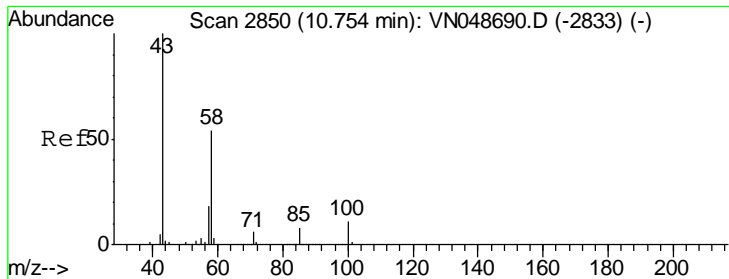
MMDadoda
 5/31/2018 11:12:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 34.52 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
63	41924		
63	100		
106	25.3	21.3	31.9





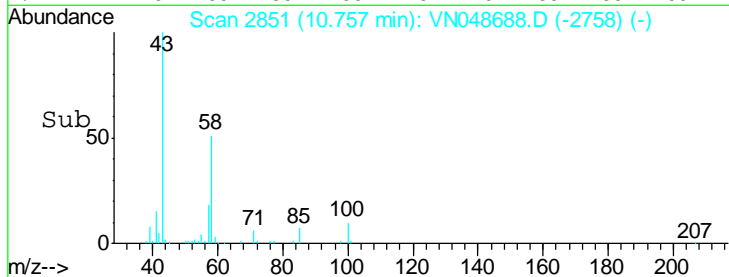
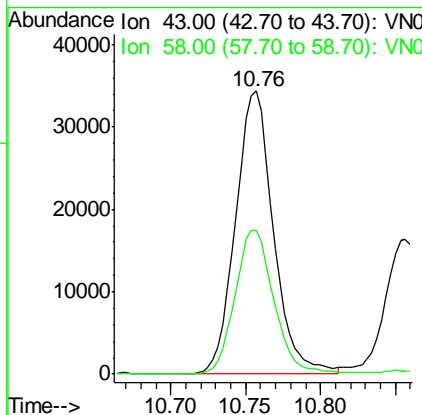
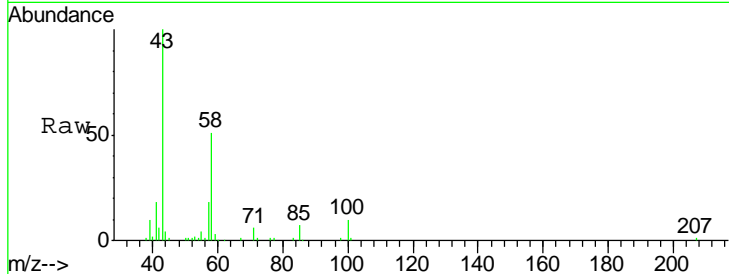
#59
 2-Hexanone
 Concen: 15.80 ug/l
 RT: 10.76 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	60797		
43	100		
58	52.0	27.4	82.0

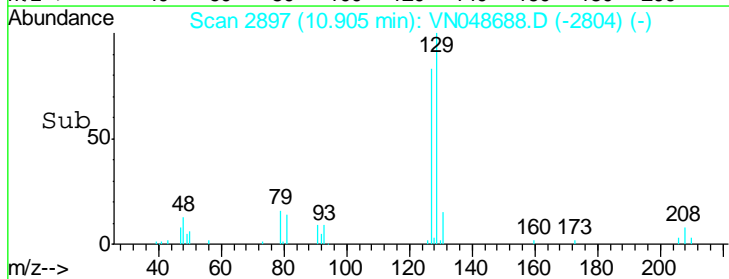
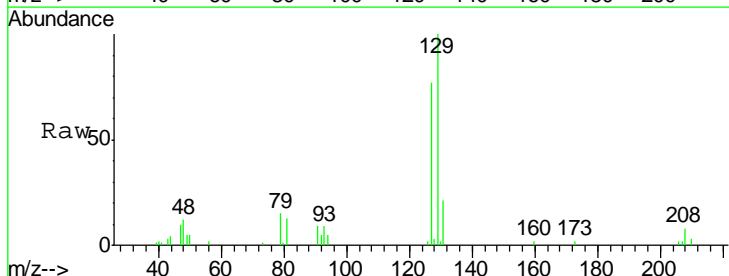
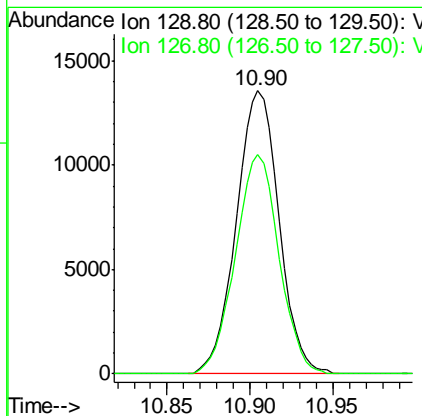
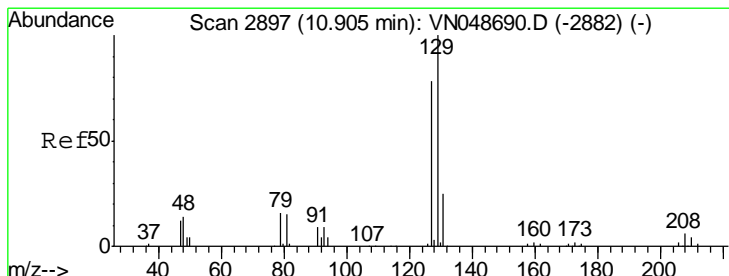
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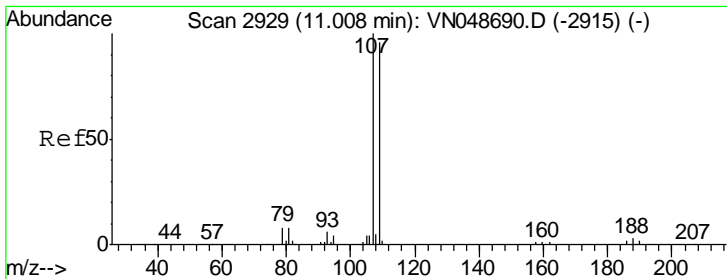
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#60
 Dibromochloromethane
 Concen: 4.69 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
129	24286		
129	100		
127	78.9	38.8	116.4





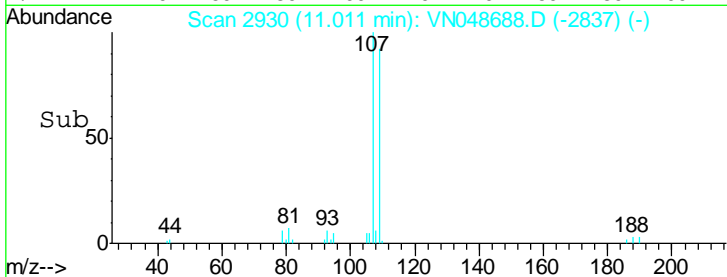
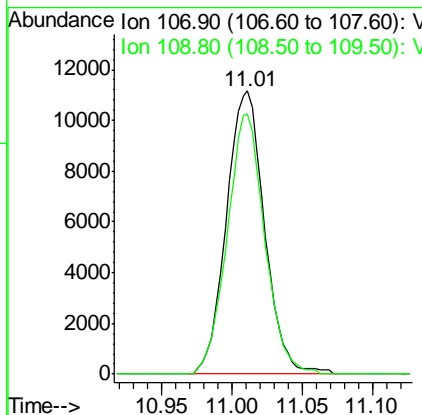
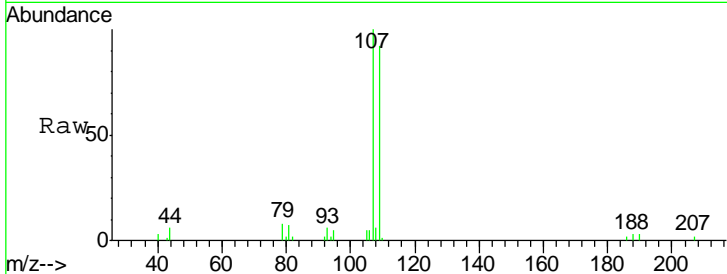
#61
 1,2-Dibromoethane
 Concen: 4.45 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
107	21108		
109	90.5	74.4	111.6

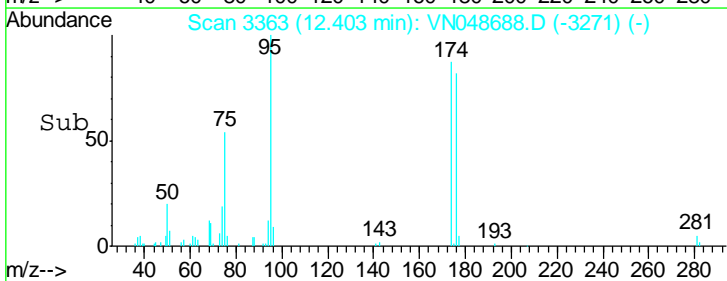
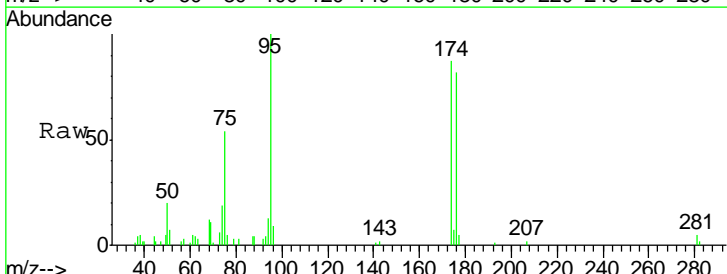
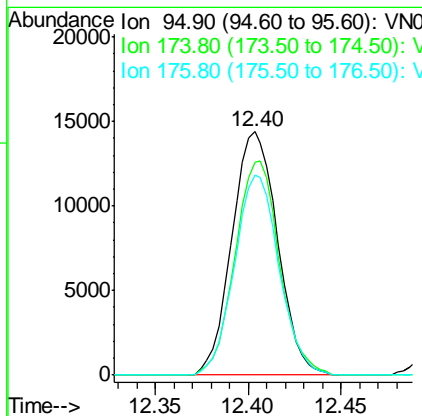
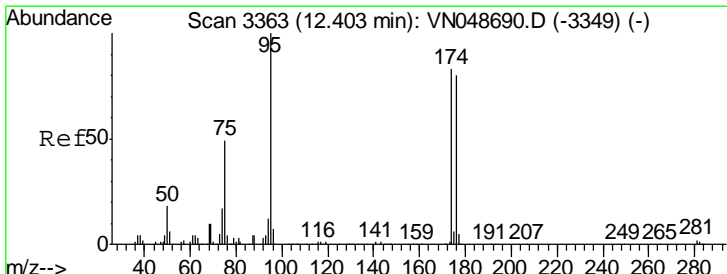
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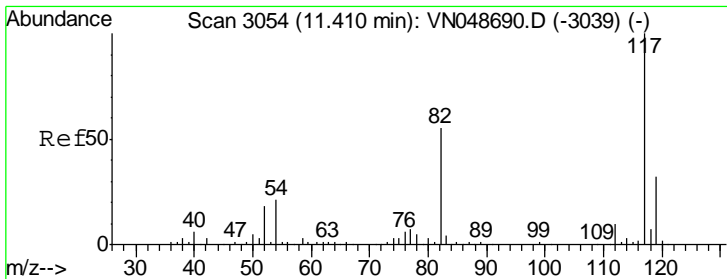
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 4.15 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
95	24549		
174	85.8	0.0	173.8
176	80.5	0.0	170.0





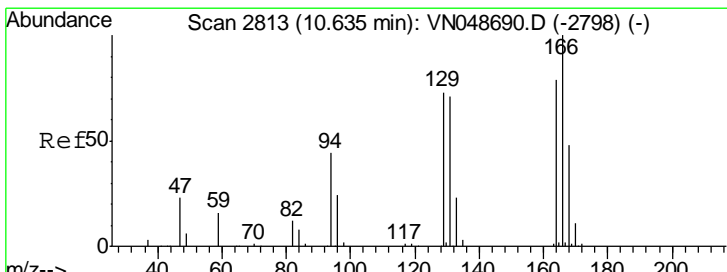
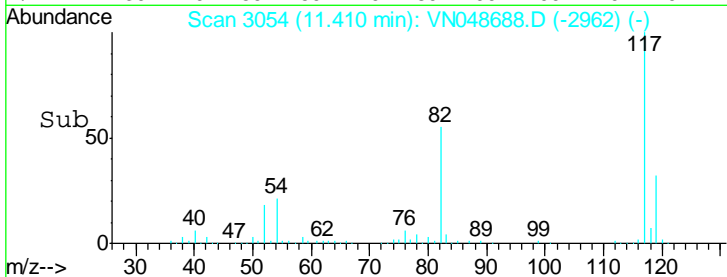
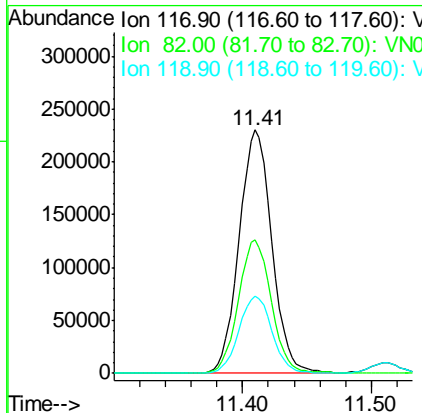
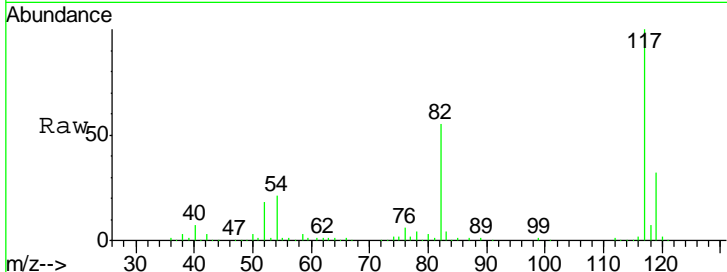
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
117	407381		
82	54.8	42.8	64.2
119	31.6	26.0	39.0

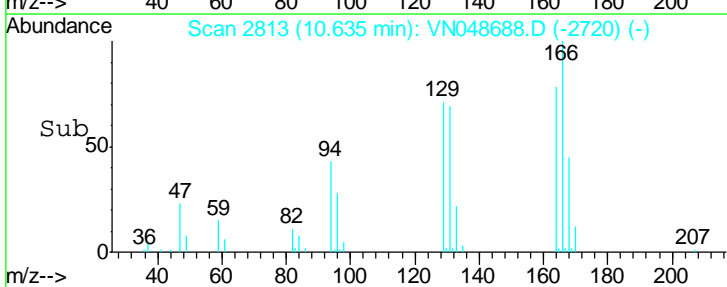
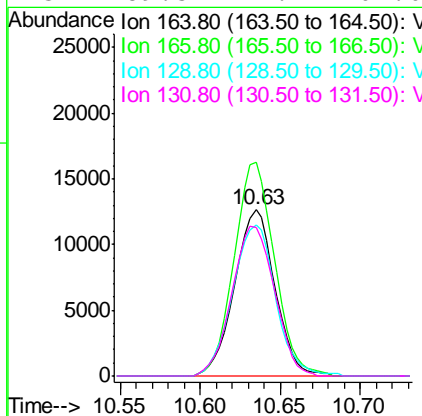
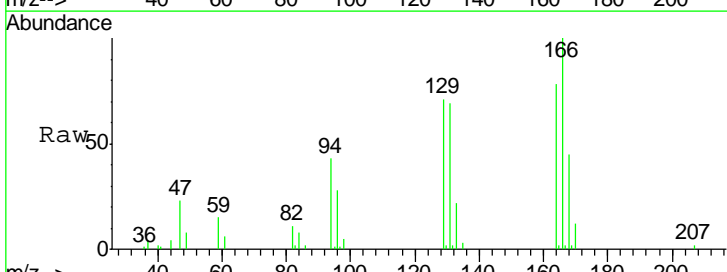
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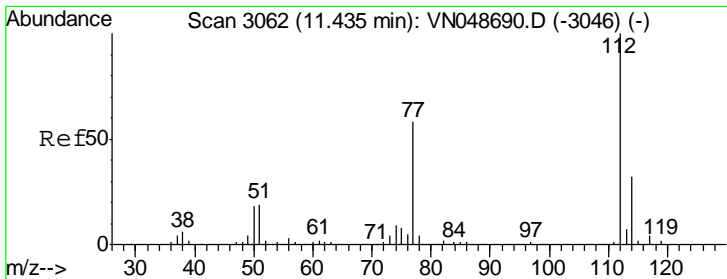
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#64
 Tetrachloroethene
 Concen: 4.86 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
164	21755		
166	128.8	102.7	154.1
129	91.3	74.3	111.5
131	89.5	71.4	107.0





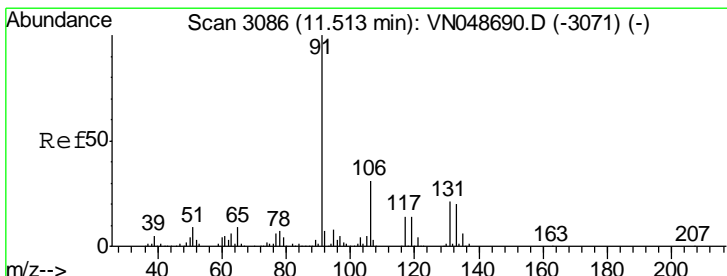
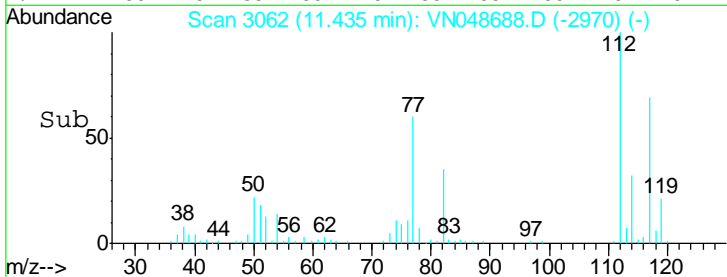
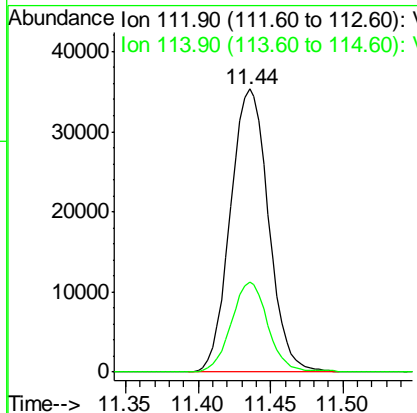
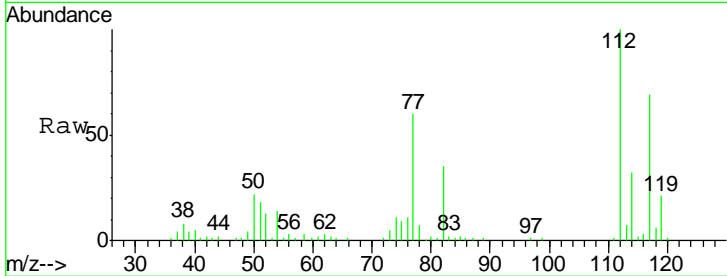
#65
 Chlorobenzene
 Concen: 5.05 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
112	64596		
114	31.8	25.6	38.4

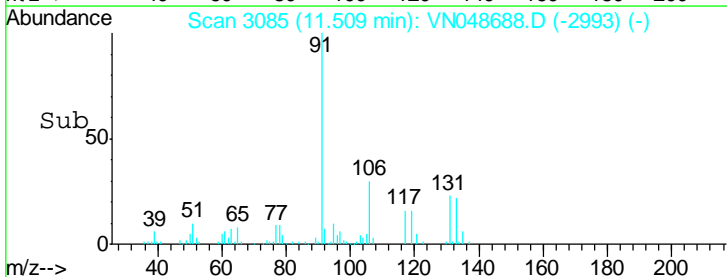
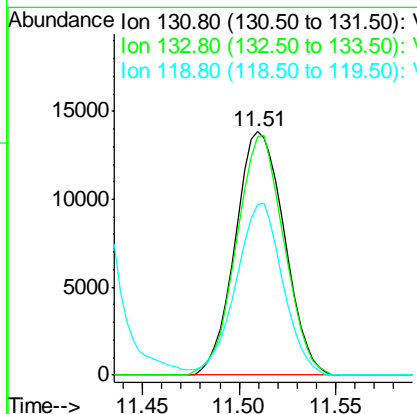
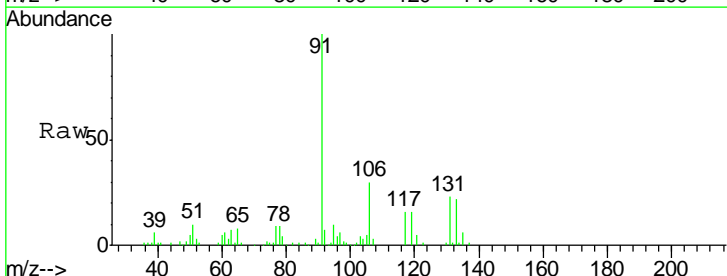
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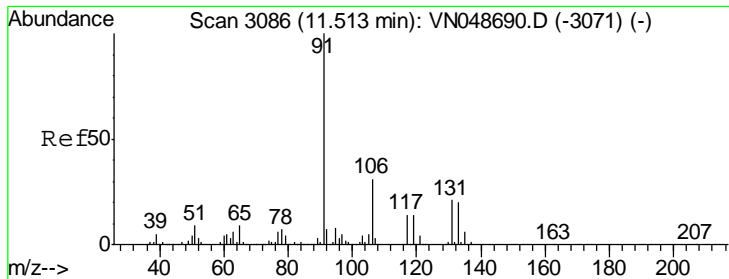
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 5.18 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
131	24444		
133	95.4	47.8	143.4
119	67.4	33.1	99.3





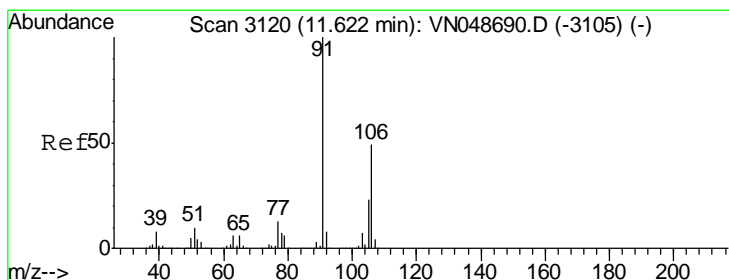
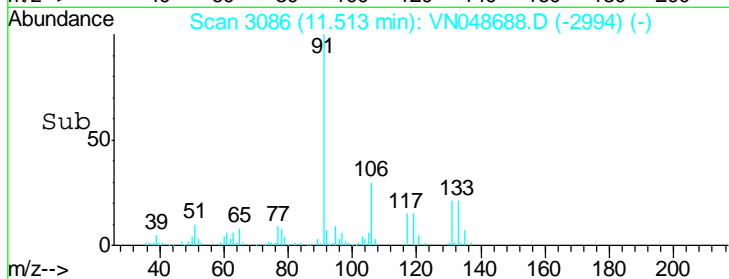
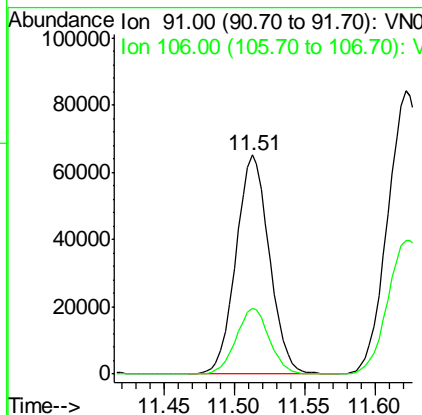
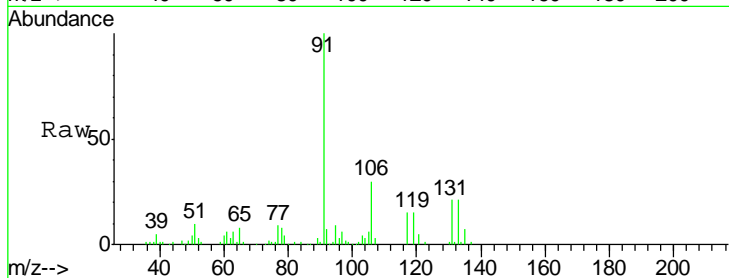
#67
Ethyl Benzene
Concen: 4.96 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN048688.D
Acq: 29 May 2018 11:14

Instrument : MSVOA_N
ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	108229		
106	30.1	24.9	37.3

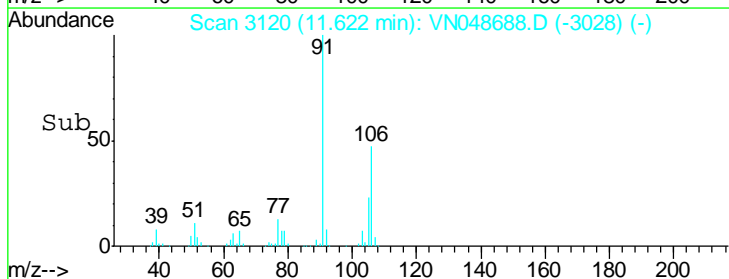
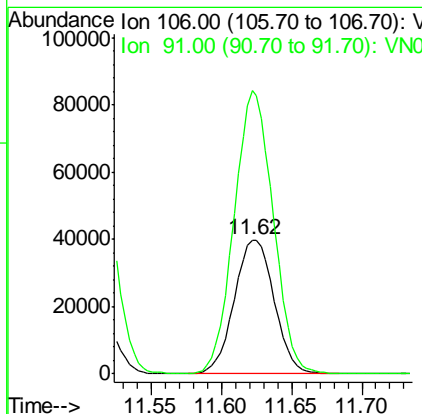
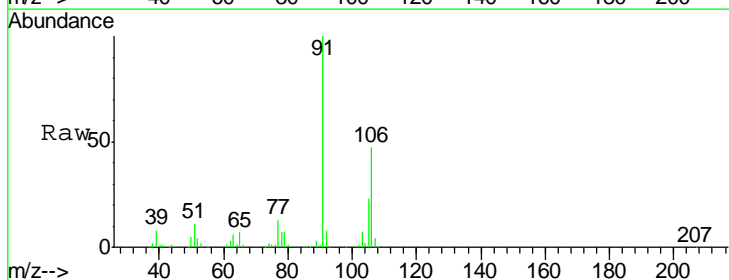
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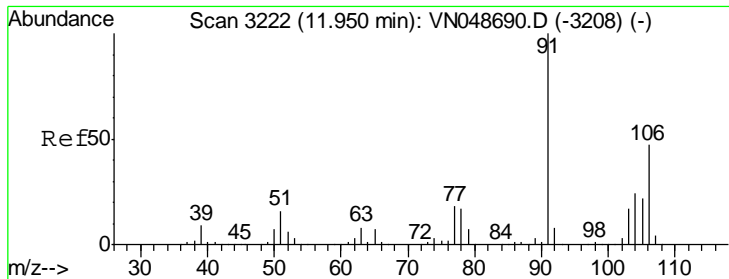
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#68
m/p-Xylenes
Concen: 9.85 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN048688.D
Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
106	78989		
91	206.8	163.4	245.0





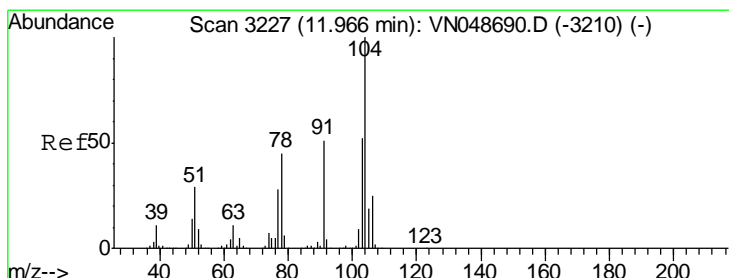
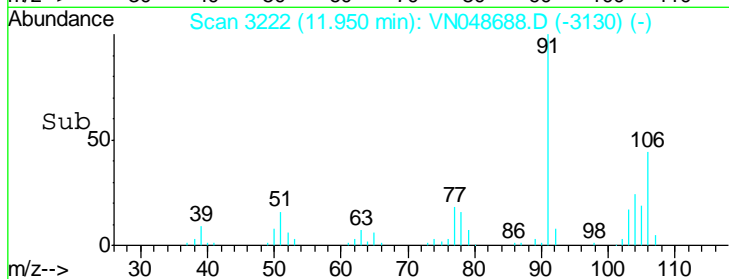
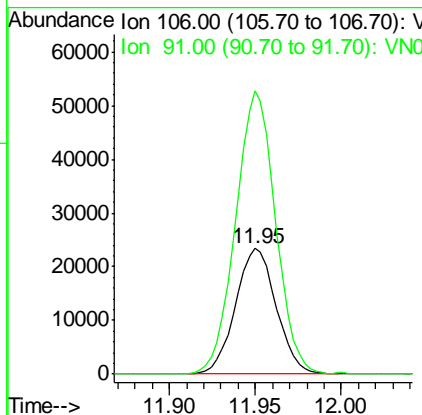
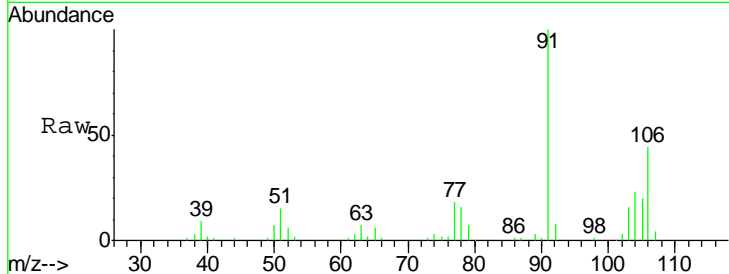
#69
 o-Xylene
 Concen: 4.90 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
106	38599		
106	100		
91	220.7	107.9	323.7

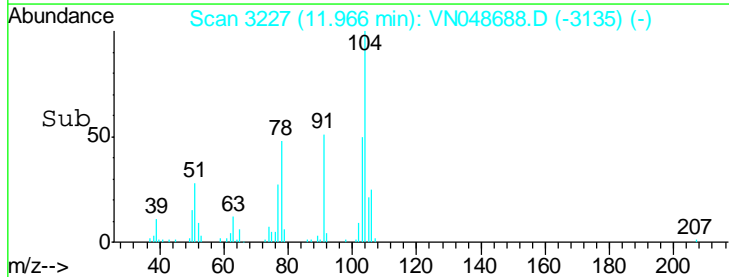
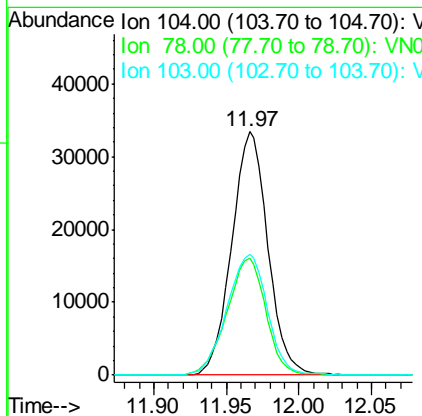
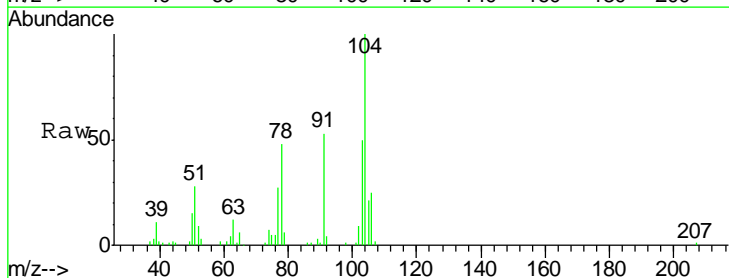
Manual Integrations
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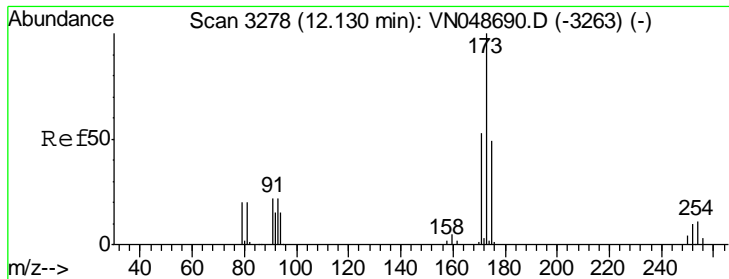
MMDadoda
 5/31/2018 11:12:34 AM



#70
 Styrene
 Concen: 4.60 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

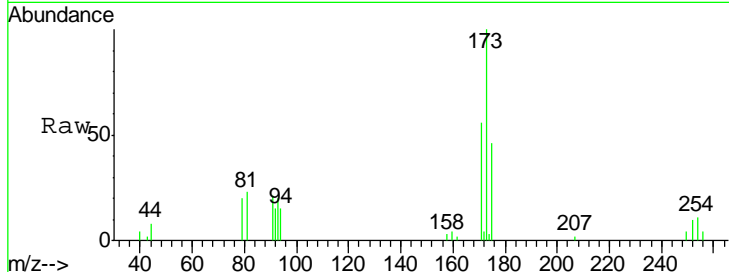
Tgt Ion	Resp	Lower	Upper
104	57716		
104	100		
78	51.5	39.8	59.8
103	55.6	44.6	66.8





#71
 Bromoform
 Concen: 4.24 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

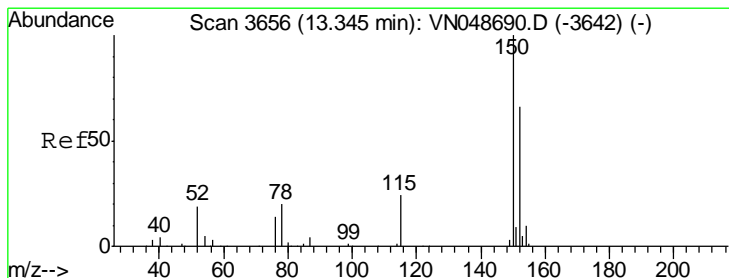
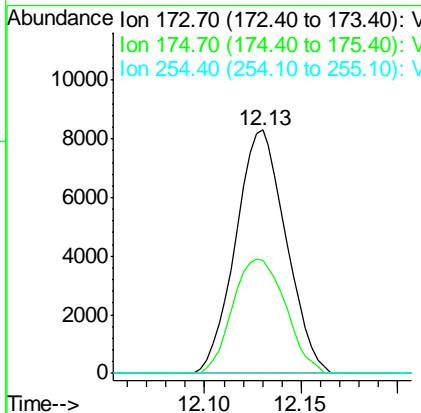
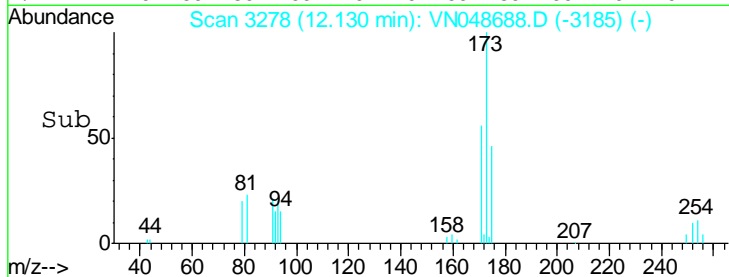
Instrument : MSVOA_N
 Client Sampled : VSTDIC005



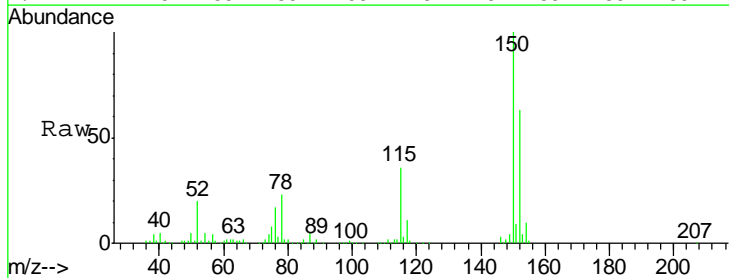
Tgt Ion: 173 Resp: 15026

Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.9	71.8
254	0.0	0.0	0.0

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 5/31/2018 11:12:34 AM

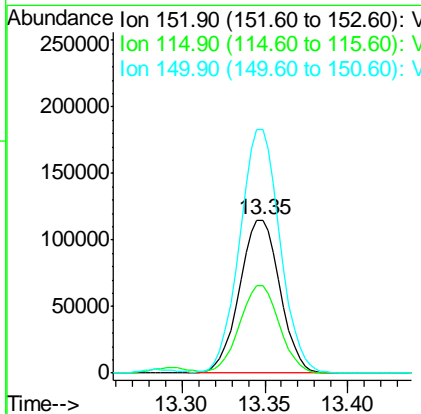
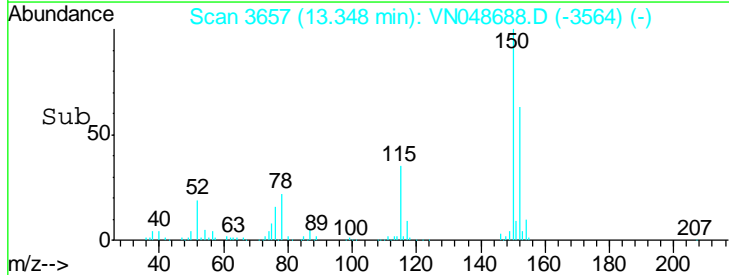


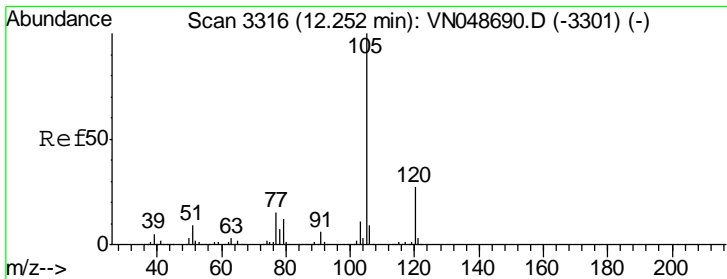
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14



Tgt Ion: 152 Resp: 194583

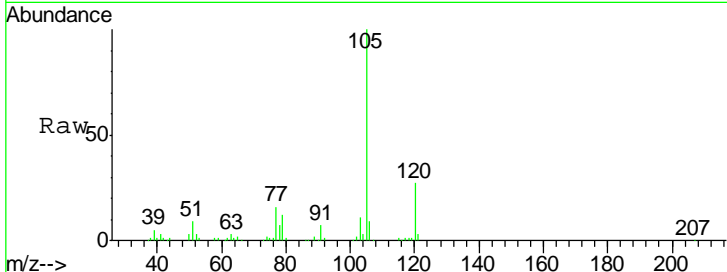
Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.1	84.4
150	159.2	0.0	353.0





#73
 Isopropylbenzene
 Concen: 5.37 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

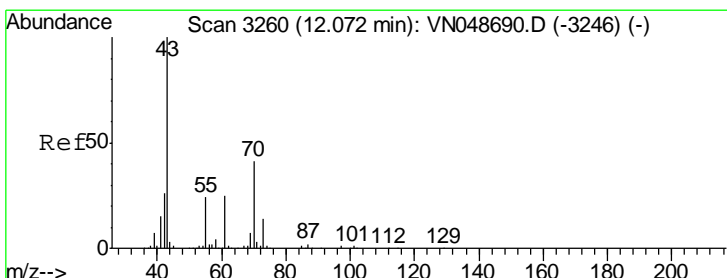
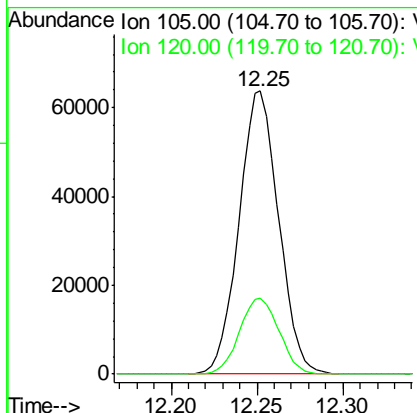
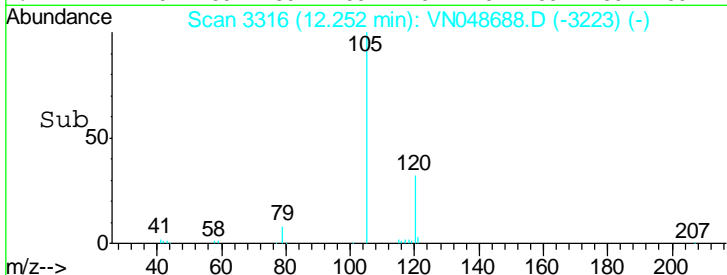
Instrument : MSVOA_N
 ClientSampled : VSTDIC005



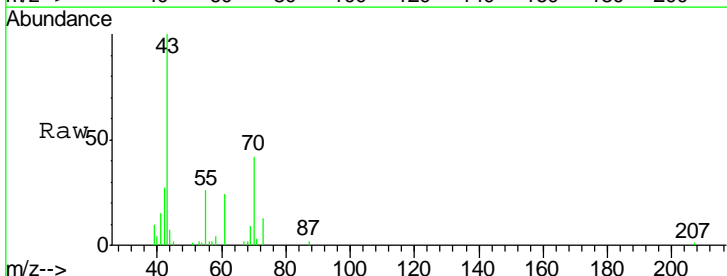
Tgt Ion: 105 Resp: 101674
 Ion Ratio Lower Upper
 105 100
 120 26.8 13.3 39.9

Manual Integrations
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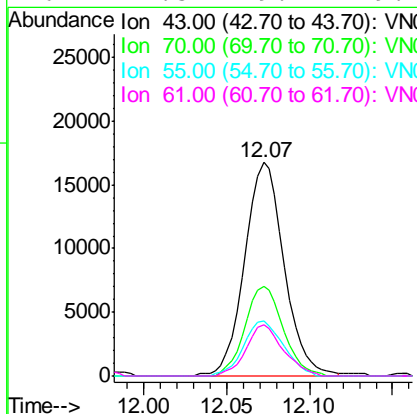
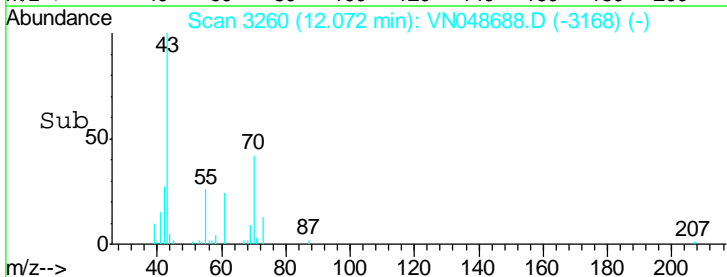
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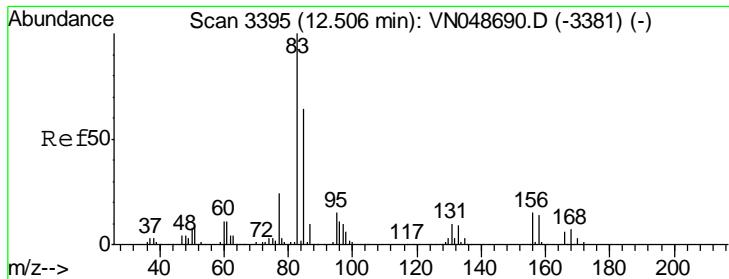


#74
 N-ethyl acetate
 Concen: 4.05 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14



Tgt Ion: 43 Resp: 27739
 Ion Ratio Lower Upper
 43 100
 70 40.6 33.7 50.5
 55 25.9 19.3 28.9
 61 22.5 19.4 29.2





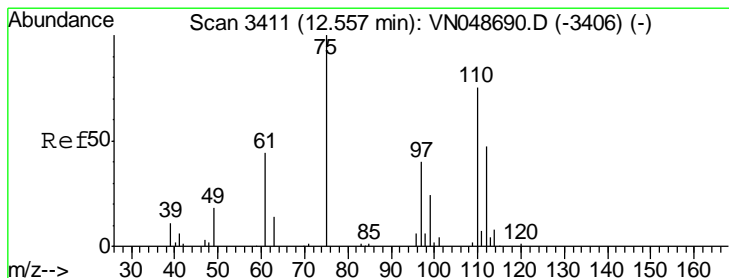
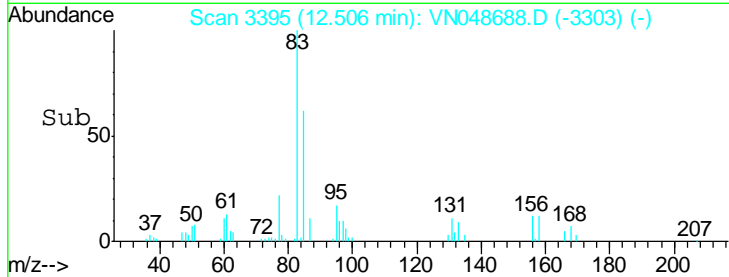
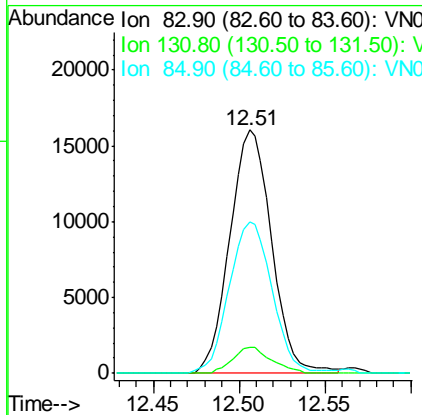
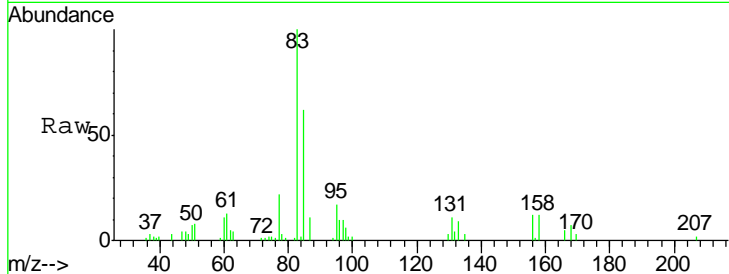
#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.68 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	27061		
83	100		
131	10.1	5.3	15.8
85	63.7	32.4	97.0

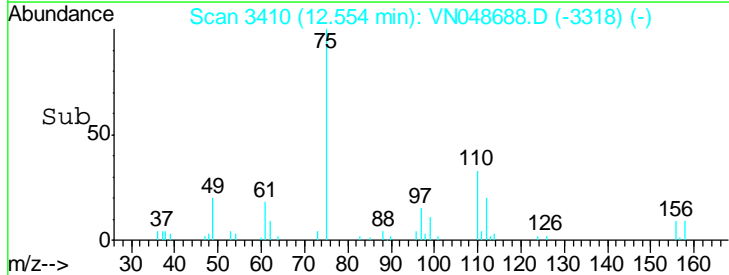
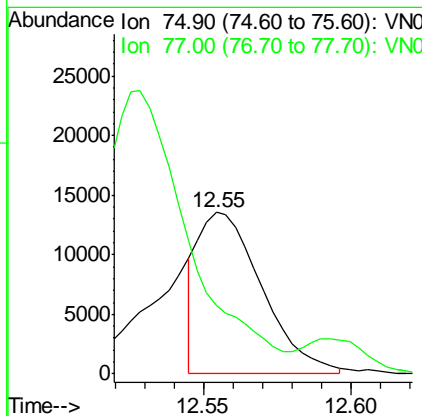
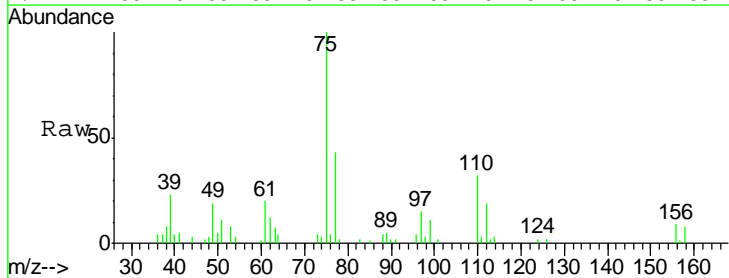
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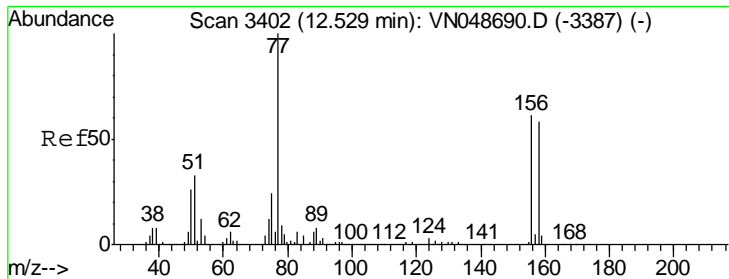
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 4.72 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
75	20451		
75	100		
77	0.0	0.0	0.0





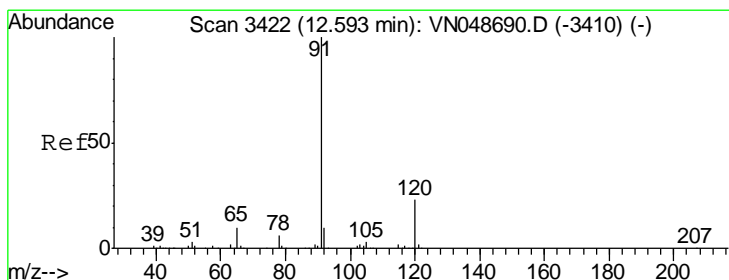
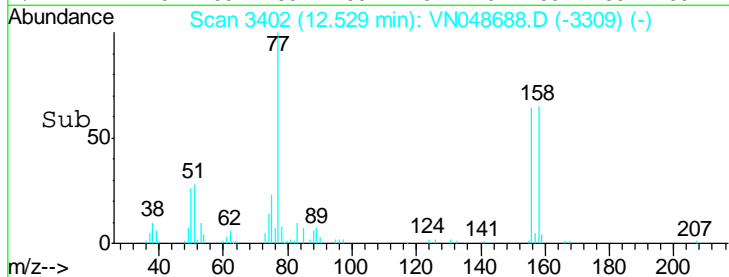
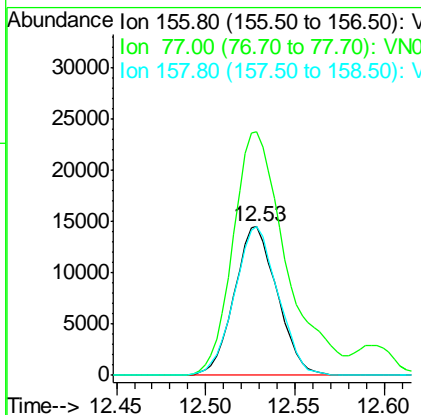
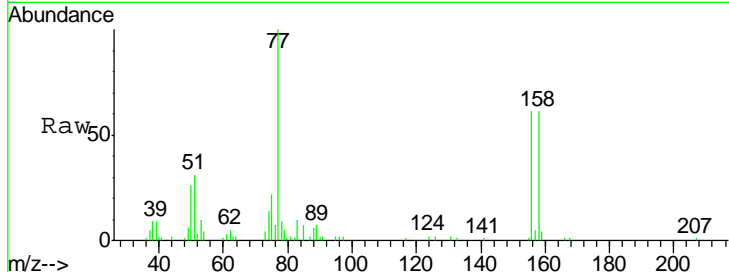
#77
 Bromobenzene
 Concen: 5.27 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
156	24319		
77	203.6	93.3	280.1
158	101.5	48.9	146.6

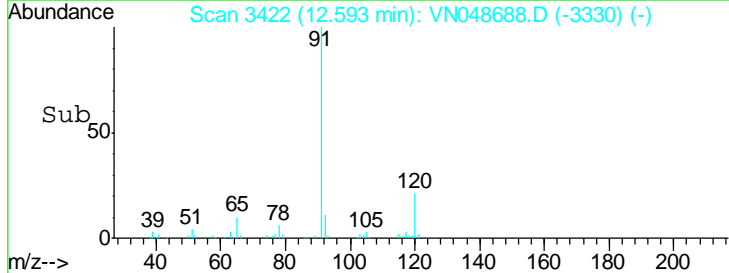
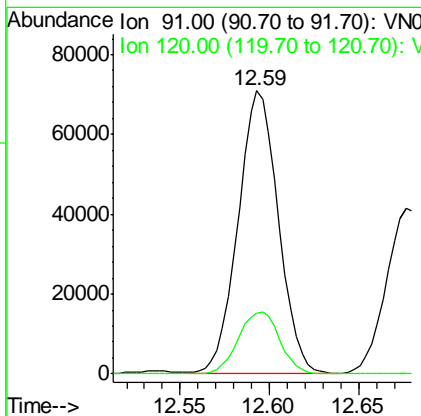
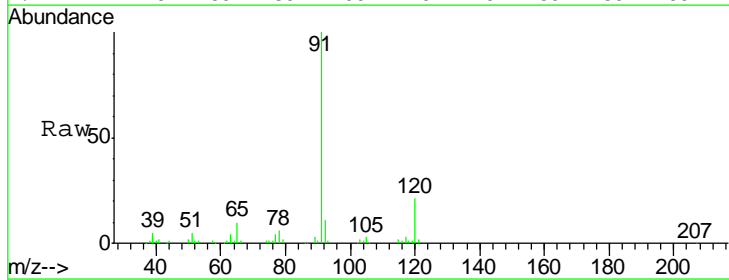
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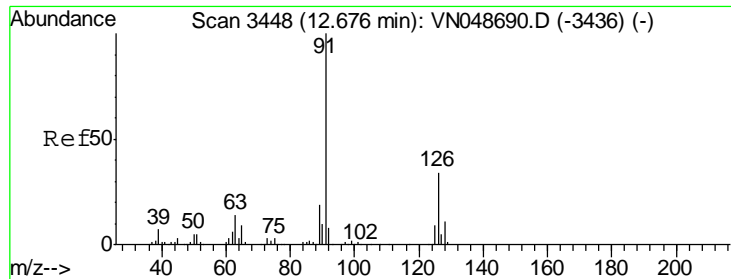
MMDadoda
 5/31/2018 11:12:34 AM



#78
 n-propylbenzene
 Concen: 5.16 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
91	111053		
120	22.5	11.7	35.1





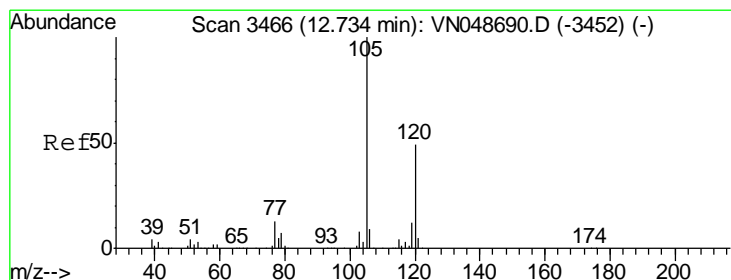
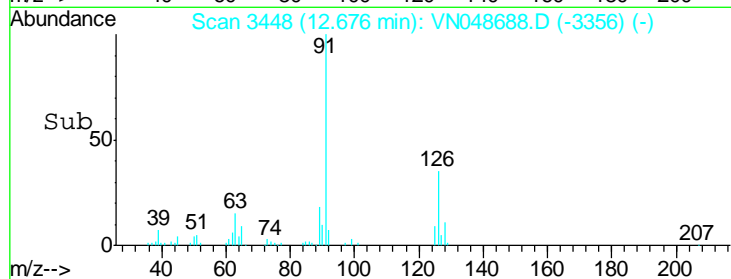
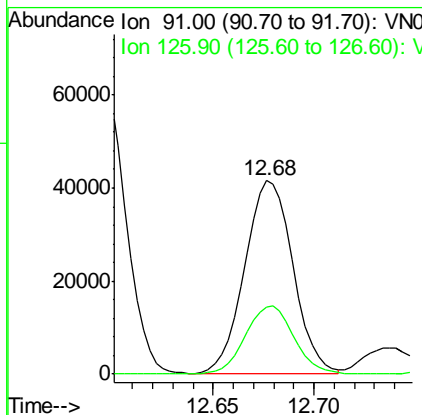
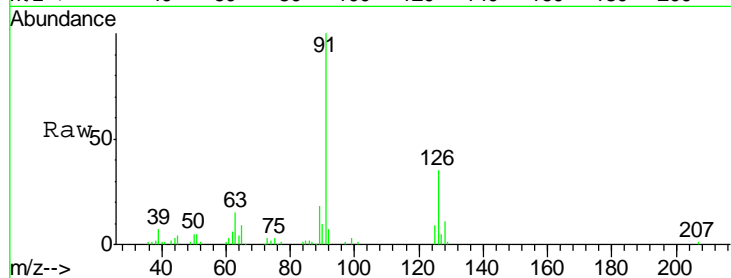
#79
 2-Chlorotoluene
 Concen: 5.30 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	69582	100	
126	35.7	17.5	52.5

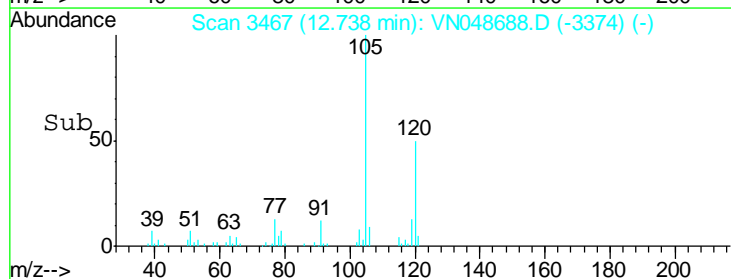
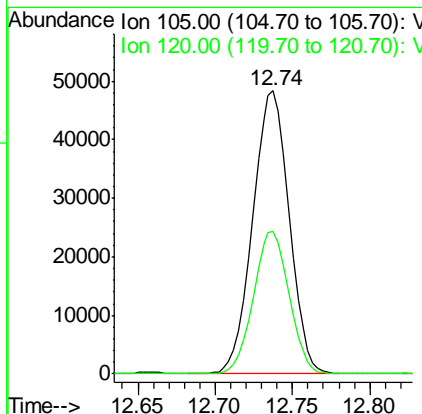
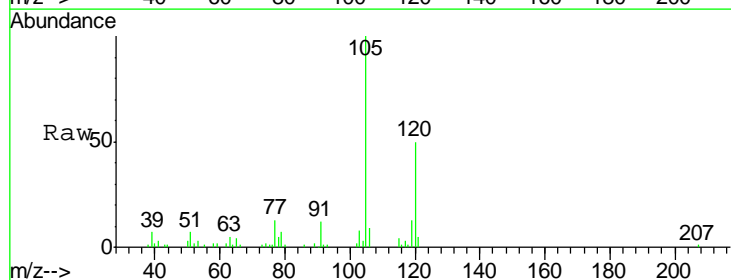
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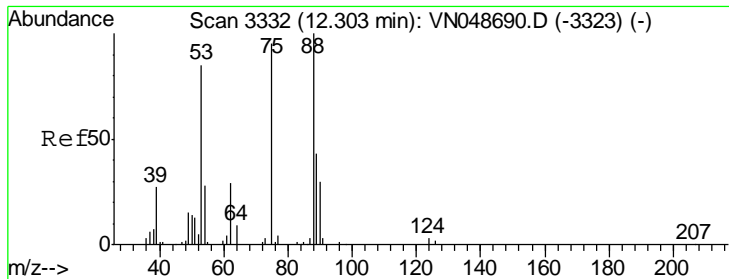
MMDadoda
 5/31/2018 11:12:34 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.15 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
105	79299	100	
120	49.1	24.3	72.9





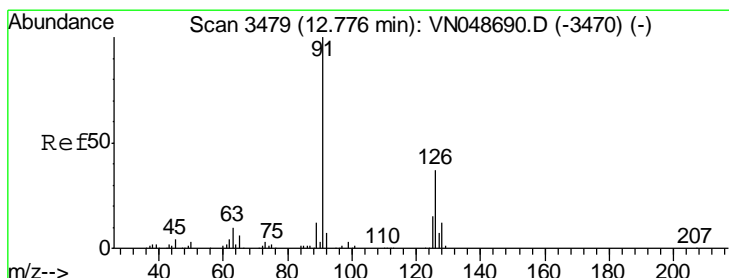
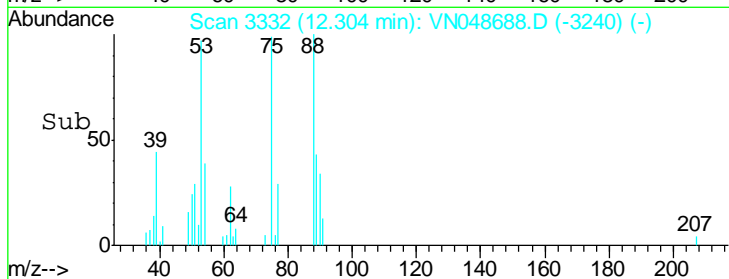
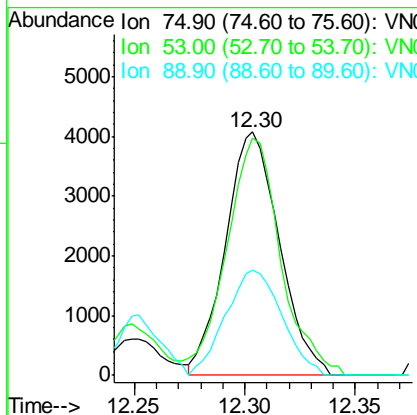
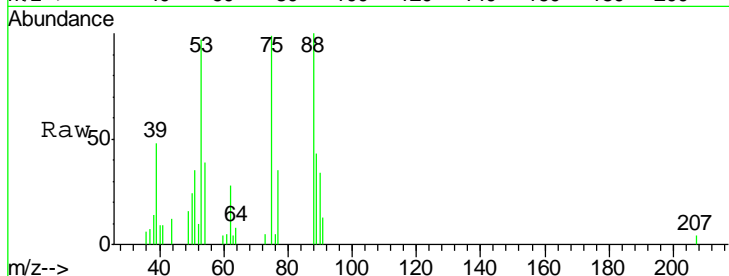
#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.77 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	6915		
75	100		
53	98.1	72.0	108.0
89	45.1	35.2	52.8

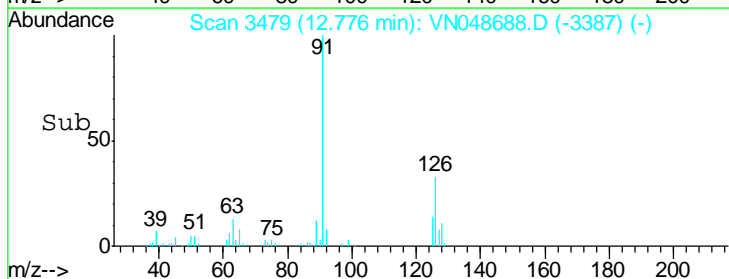
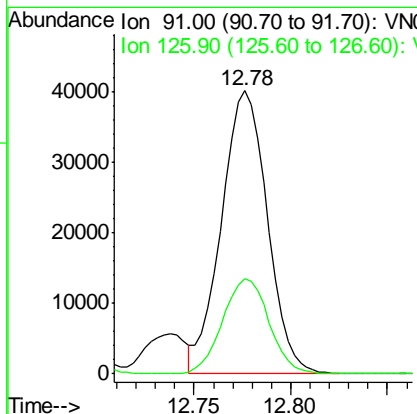
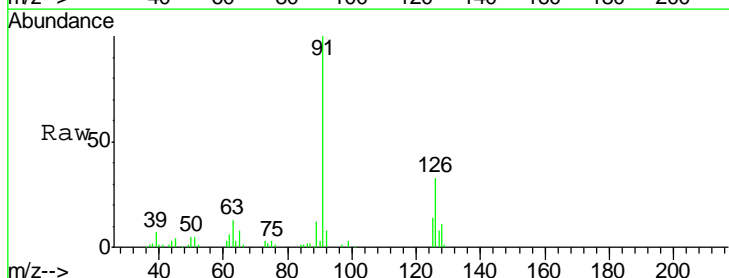
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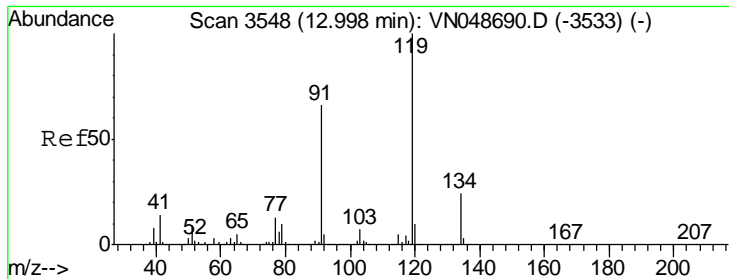
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#82
 4-Chlorotoluene
 Concen: 5.20 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
91	66324		
91	100		
126	34.0	17.2	51.6





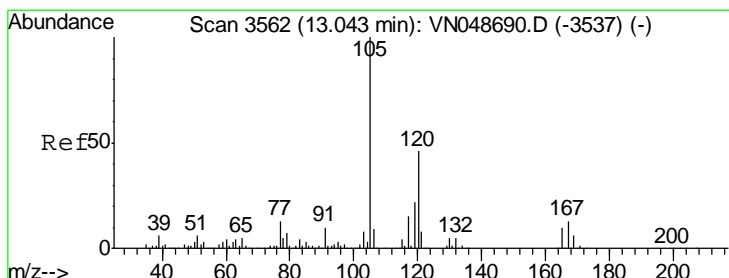
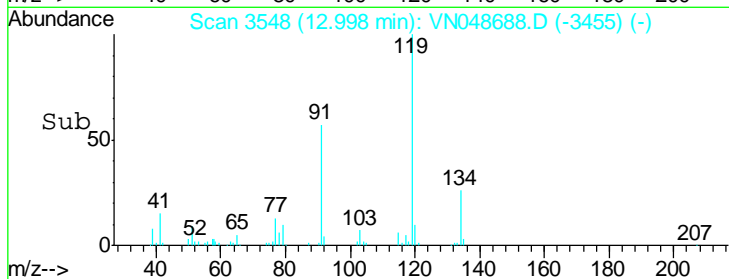
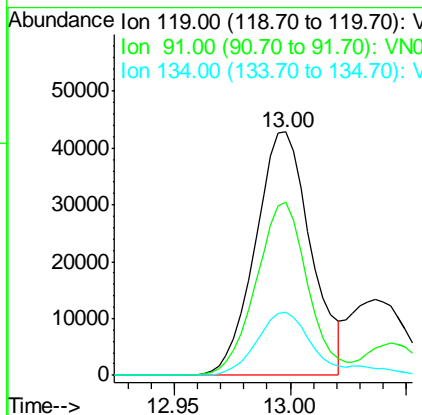
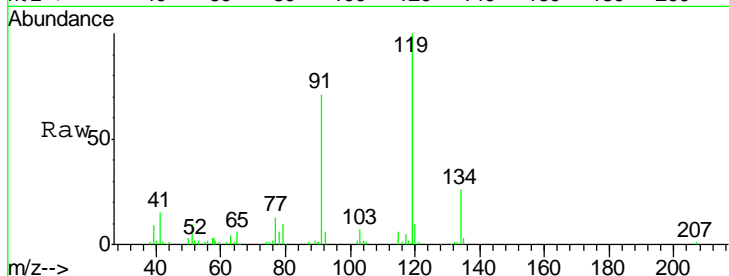
#83
 tert-Butylbenzene
 Concen: 5.33 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
119	71456		
91	66.7	32.2	96.6
134	27.7	13.3	39.9

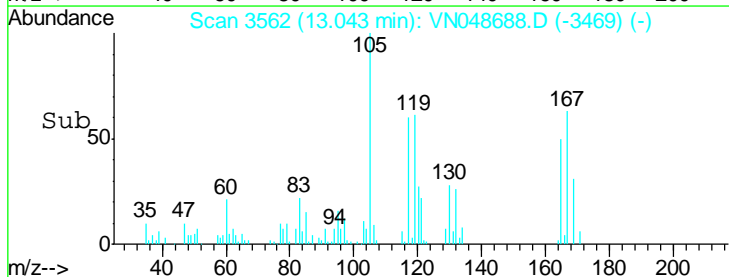
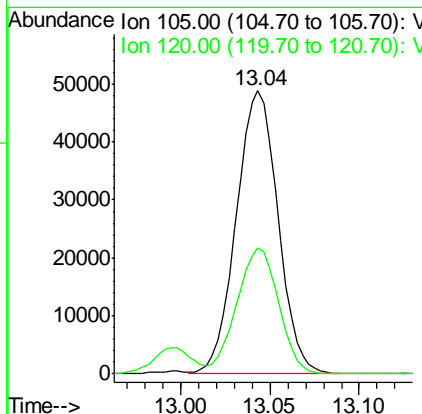
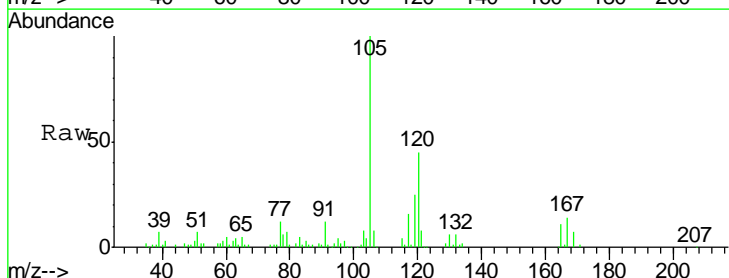
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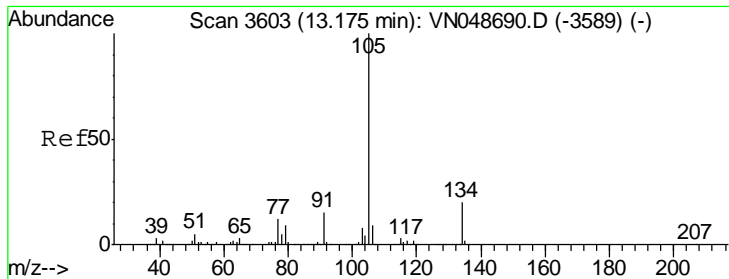
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 5/31/2018 11:12:34 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.20 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
105	79492		
120	44.6	22.7	68.0





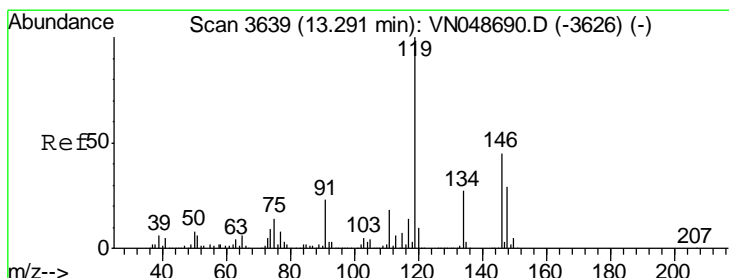
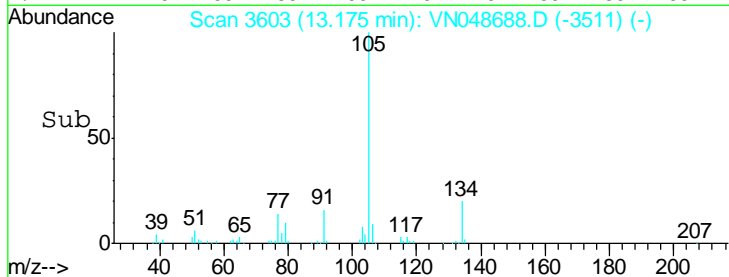
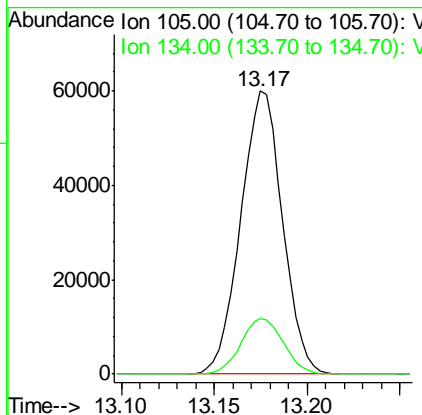
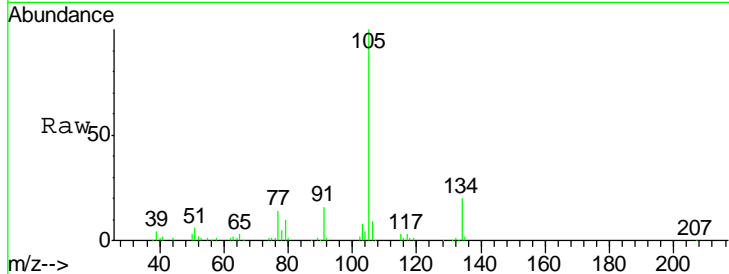
#85
 sec-Butylbenzene
 Concen: 5.26 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	100		
134	19.9	10.1	30.3

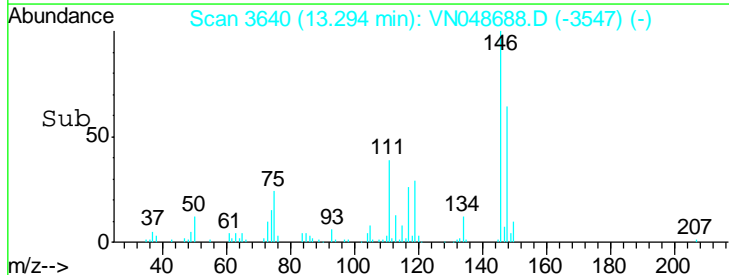
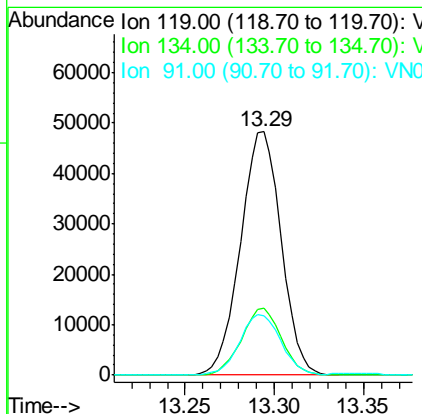
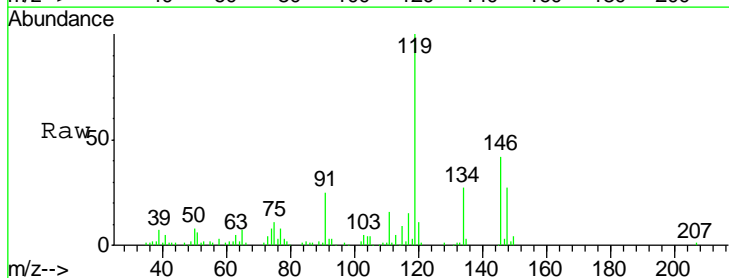
Manual Integrations
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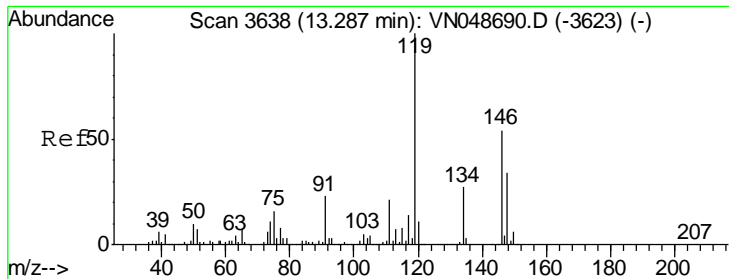
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 5.09 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.9	13.5	40.4
91	25.3	11.4	34.2





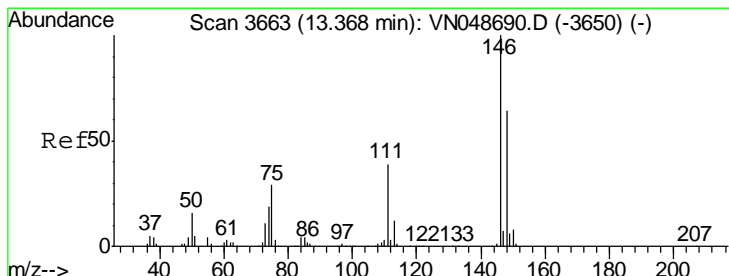
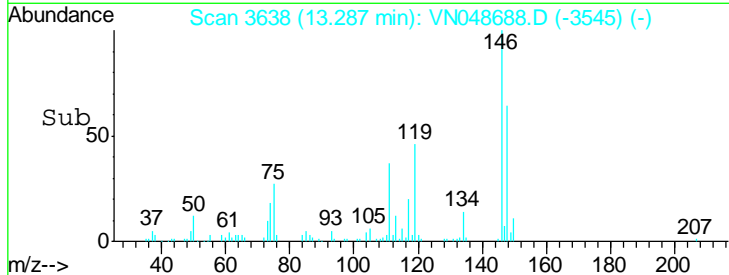
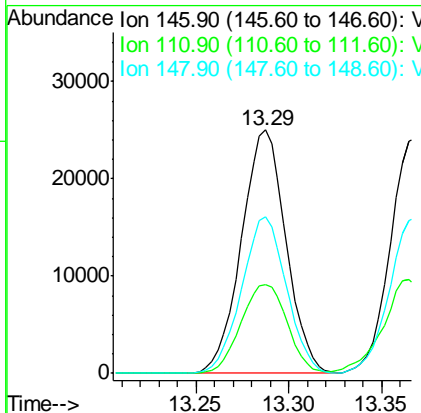
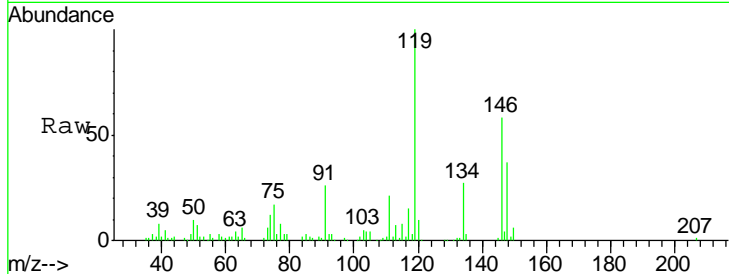
#87
 1,3-Dichlorobenzene
 Concen: 5.27 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
146	41551		
146	100		
111	38.0	19.3	57.9
148	64.8	32.1	96.5

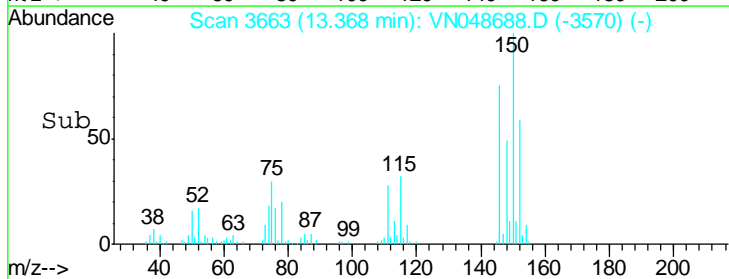
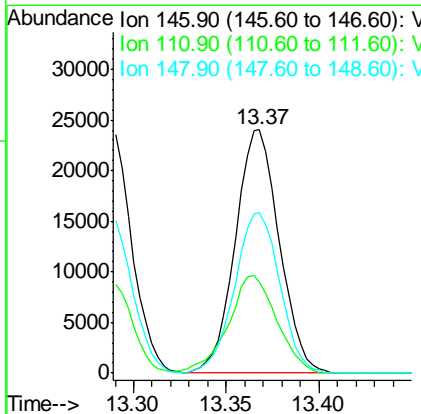
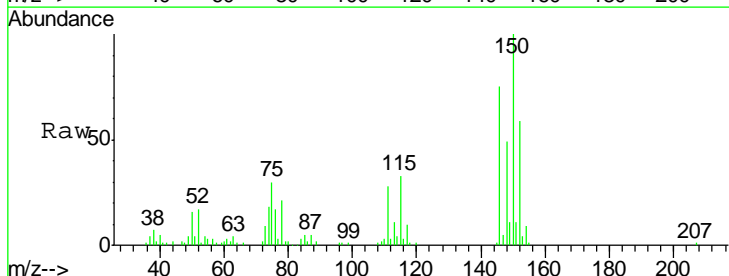
Manual Integrations
 APPROVED

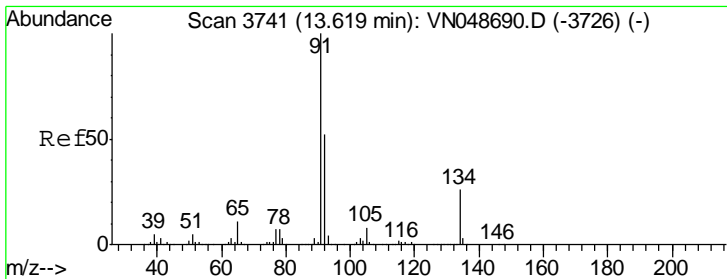
MMDadoda
 5/31/2018 11:12:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.04 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
146	39597		
146	100		
111	44.4	18.9	56.5
148	67.7	32.2	96.6





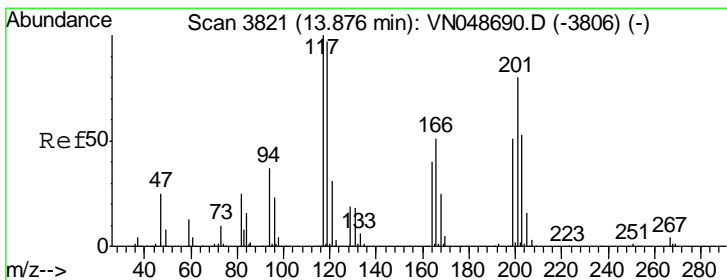
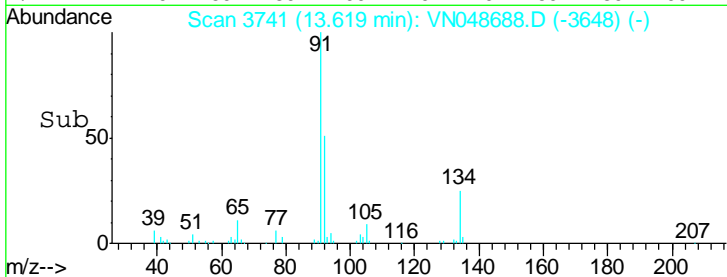
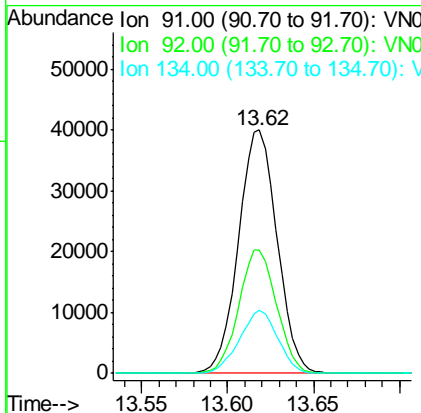
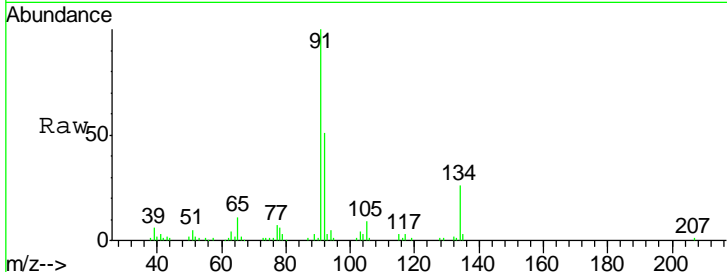
#89
 n-Butylbenzene
 Concen: 5.30 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
92	49.6	26.3	78.9
134	25.4	13.5	40.4

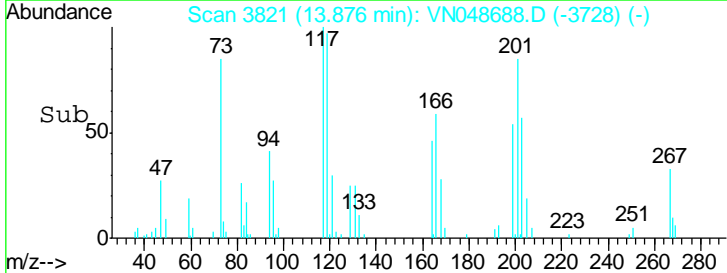
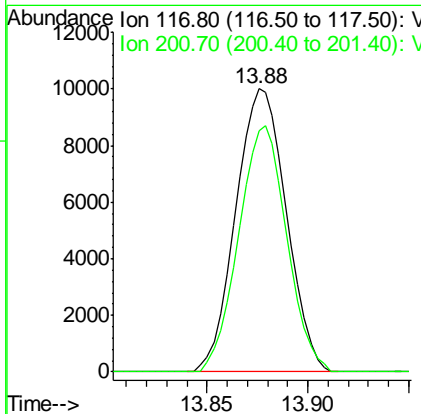
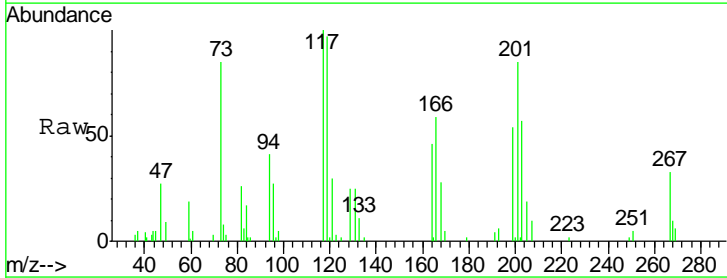
Manual Integrations
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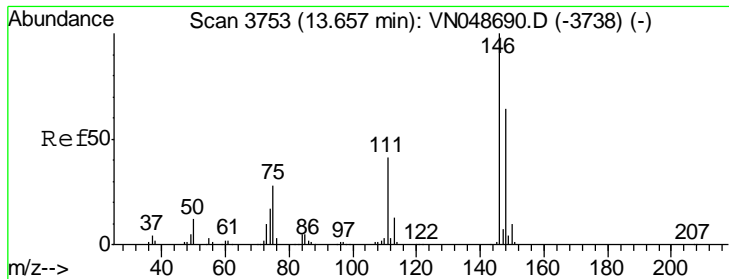
MMDadoda
 5/31/2018 11:12:34 AM



#90
 Hexachloroethane
 Concen: 5.24 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
117	100		
201	82.7	44.6	134.0





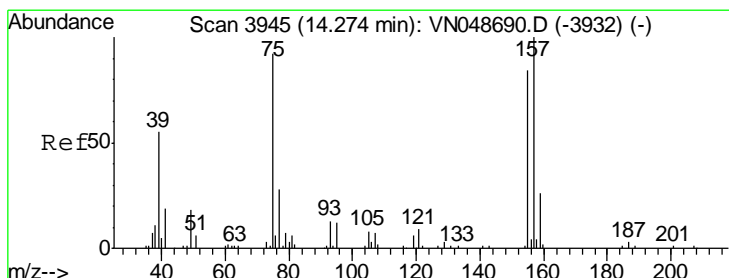
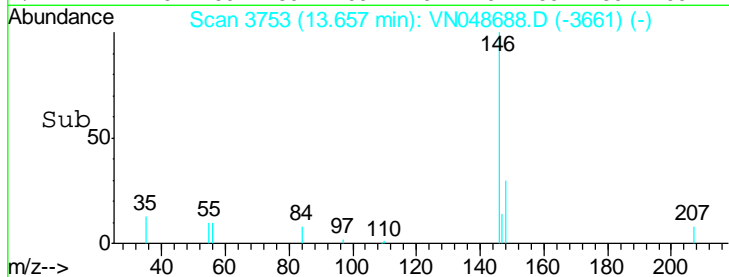
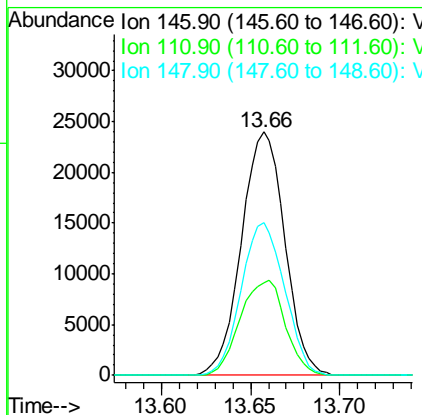
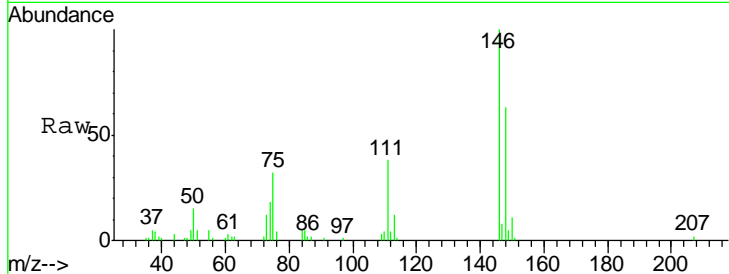
#91
 1,2-Dichlorobenzene
 Concen: 5.30 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
146	40679		
111	40.5	19.9	59.6
148	62.7	32.0	96.0

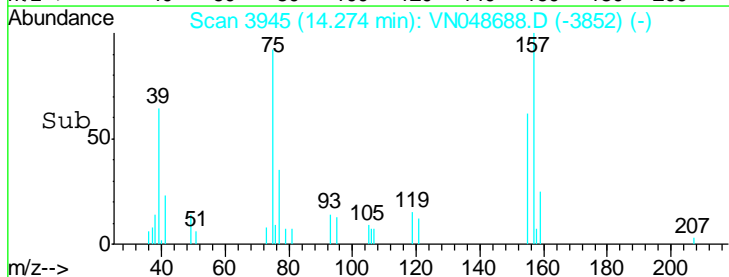
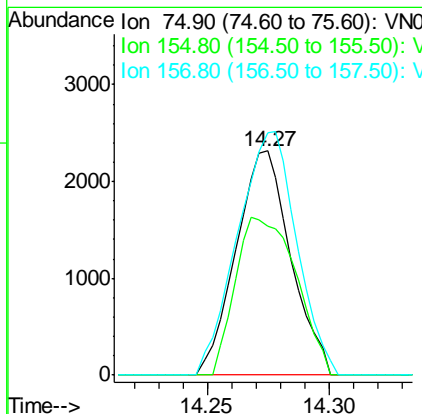
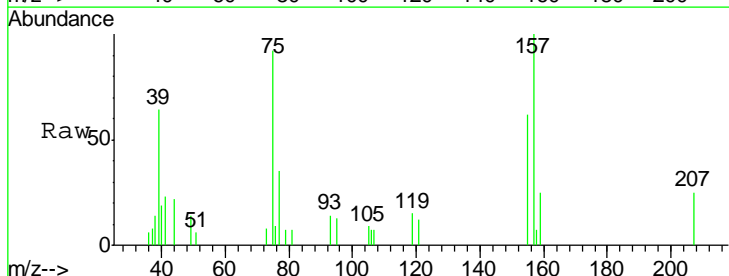
Manual Integrations
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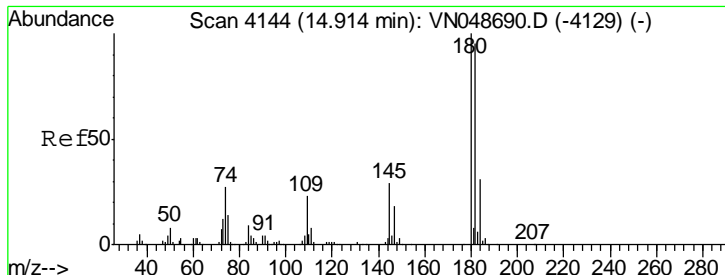
MMDadoda
 5/31/2018 11:12:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.04 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

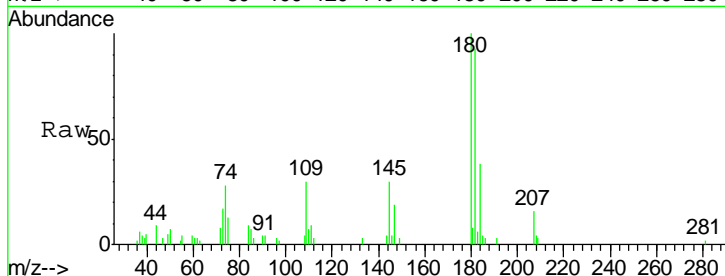
Tgt Ion	Resp	Lower	Upper
75	3591		
75	100		
155	78.3	47.1	141.4
157	117.4	60.9	182.6





#93
 1,2,4-Trichlorobenzene
 Concen: 4.17 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

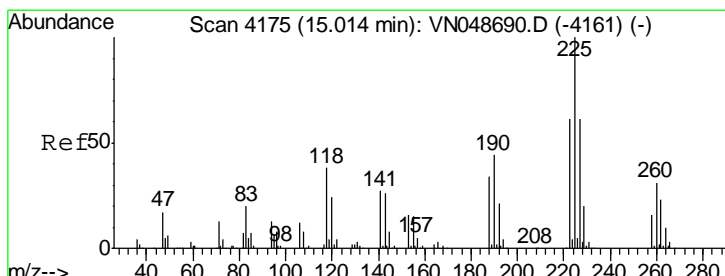
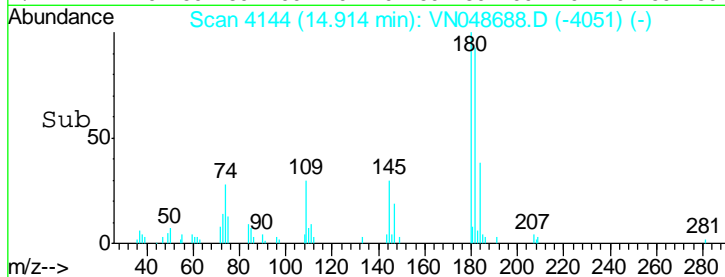
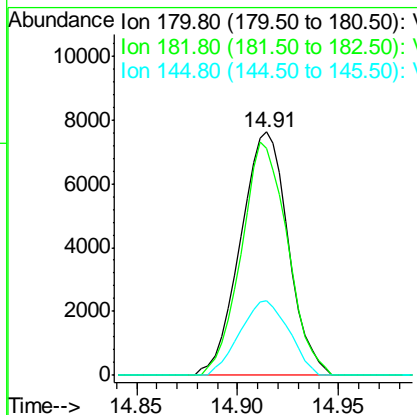
Instrument : MSVOA_N
 ClientSampled : VSTDIC005



Tgt Ion:180 Resp: 12624

Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.9	143.8
145	31.4	14.6	43.8

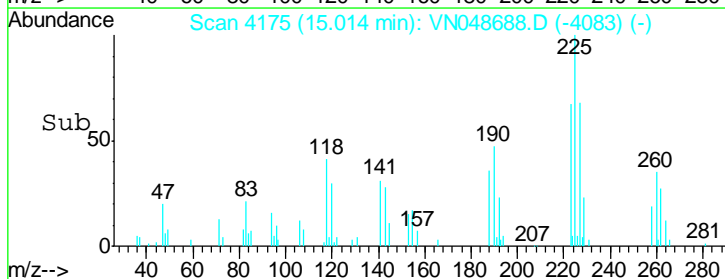
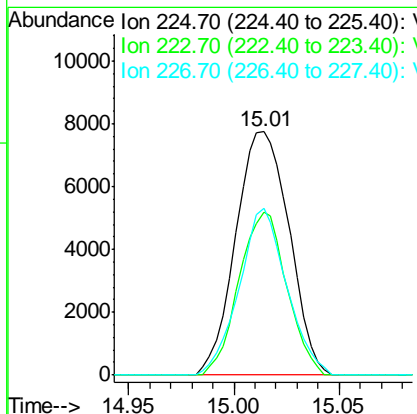
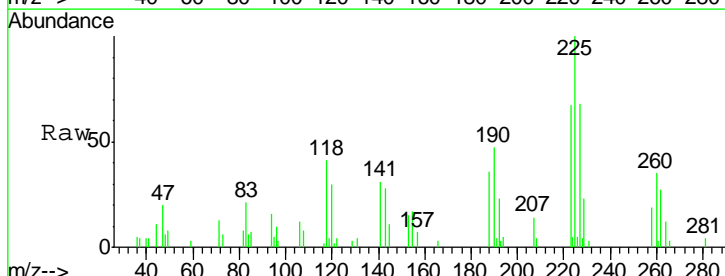
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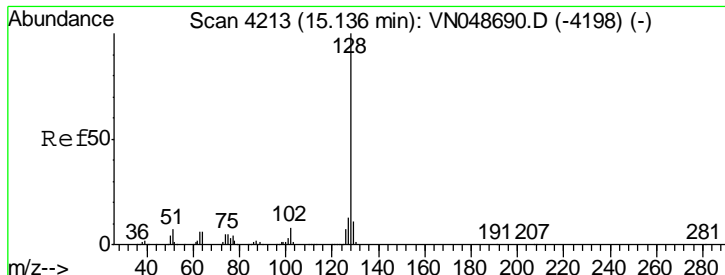


#94
 Hexachlorobutadiene
 Concen: 5.61 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion:225 Resp: 13635

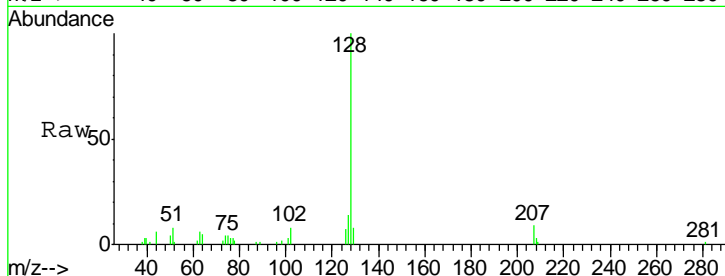
Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.3	93.8
227	61.0	31.9	95.5





#95
 Naphthalene
 Concen: 3.32 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

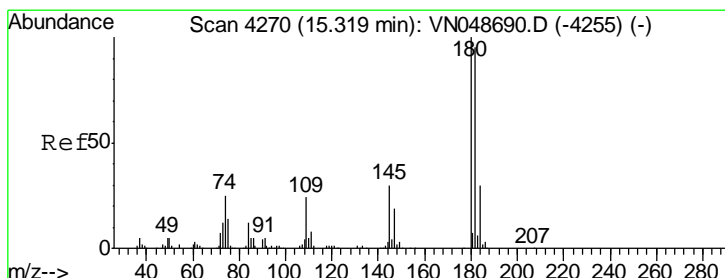
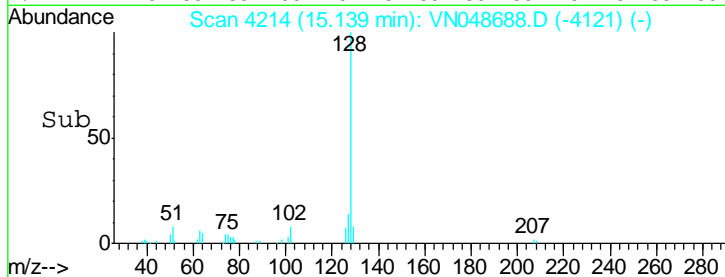
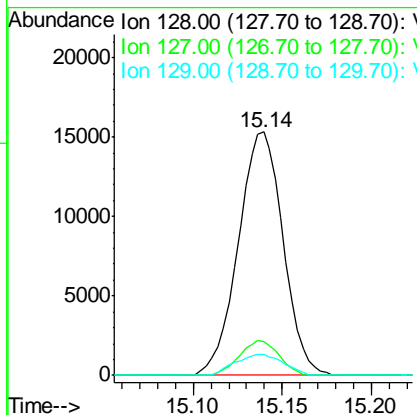
Instrument : MSVOA_N
 Client Sampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
128	26773		
127	12.6	10.2	15.4
129	9.2	8.7	13.1

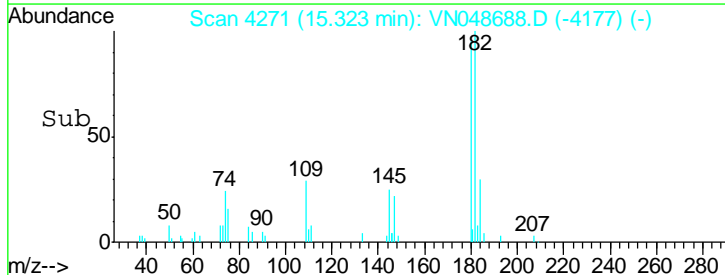
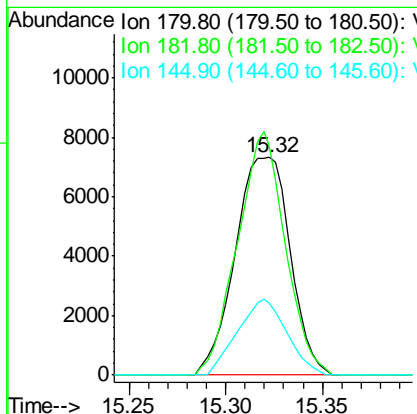
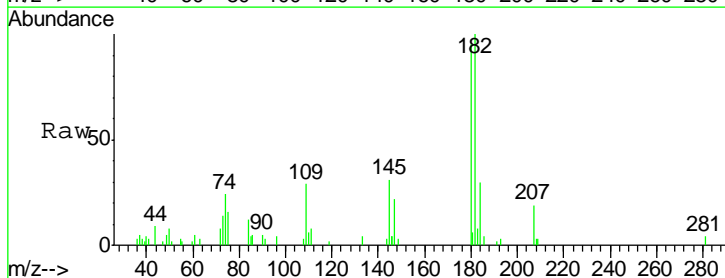
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 5/31/2018 11:12:34 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 4.55 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.00 min
 Lab File: VN048688.D
 Acq: 29 May 2018 11:14

Tgt Ion	Resp	Lower	Upper
180	14486		
182	97.4	48.4	145.0
145	31.3	15.3	45.9



Data Path : W:\HPCHEM1\MSVOA N\Data\VN052918\
 Data File : VN048689.D
 Acq On : 29 May 2018 11:39
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 11:12:35 AM

Quant Time: May 29 12:52:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	318373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	472254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	422697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	231283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	92352	15.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.64%	
35) Dibromofluoromethane	7.59	113	82539	16.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.34%	
50) Toluene-d8	10.09	98	297771	16.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.34%	
62) 4-Bromofluorobenzene	12.40	95	99711	16.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	78182	15.56	ug/l	98
3) Chloromethane	2.06	50	112237	16.44	ug/l	99
4) Vinyl Chloride	2.18	62	99969	17.27	ug/l	97
5) Bromomethane	2.57	94	48935	14.44	ug/l	95
6) Chloroethane	2.70	64	58022	17.93	ug/l	99
7) Trichlorofluoromethane	3.02	101	136050	17.60	ug/l	99
8) Diethyl Ether	3.41	74	50401	16.75	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	88274	17.94	ug/l	96
10) Methyl Iodide	3.95	142	115627	15.90	ug/l	96
11) Tert butyl alcohol	4.80	59	30904	55.53	ug/l	100
12) 1,1-Dichloroethene	3.73	96	82975	18.26	ug/l	97
13) Acrolein	3.61	56	47313	66.09	ug/l	99
14) Allyl chloride	4.32	41	156104	17.74	ug/l	97
15) Acrylonitrile	4.99	53	156223	69.14	ug/l	100
16) Acetone	3.82	43	123962	56.60	ug/l	97
17) Carbon Disulfide	4.05	76	263640	17.87	ug/l	100
18) Methyl Acetate	4.33	43	70562	11.02	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	231629	16.63	ug/l	97
20) Methylene Chloride	4.55	84	97565	16.91	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	88132	17.80	ug/l	95
22) Diisopropyl ether	5.96	45	309248	18.61	ug/l	96
23) Vinyl Acetate	5.90	43	1041442	87.47	ug/l	98
24) 1,1-Dichloroethane	5.85	63	182553	19.05	ug/l	99
25) 2-Butanone	6.84	43	178946	61.32	ug/l	99
26) 2,2-Dichloropropane	6.83	77	149651	19.10	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	102946	18.44	ug/l	98
28) Bromochloromethane	7.20	49	89090	25.64	ug/l	91
29) Tetrahydrofuran	7.22	42	118350	63.70	ug/l	96
30) Chloroform	7.37	83	172032	18.35	ug/l	97
31) Cyclohexane	7.65	56	161993	16.57	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	149364	18.30	ug/l	98
36) 1,1-Dichloropropene	7.79	75	131499	18.97	ug/l	98
37) Ethyl Acetate	6.93	43	81536	14.11	ug/l	96
38) Carbon Tetrachloride	7.77	117	136012	19.00	ug/l	97

Data Path : W:\HPCHEM1\MSVOA N\Data\VN052918\
 Data File : VN048689.D
 Acq On : 29 May 2018 11:39
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

Manual Integrations
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MMDadoda
 5/31/2018 11:12:35 AM

Quant Time: May 29 12:52:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	142529	18.57	ug/l	95
40) Benzene	8.04	78	388256	18.71	ug/l	99
41) Methacrylonitrile	7.18	41	39826	13.07	ug/l	90
42) 1,2-Dichloroethane	8.13	62	121147	17.87	ug/l	99
43) Isopropyl Acetate	8.17	43	147560	14.73	ug/l #	89
44) Trichloroethene	8.84	130	99165	18.96	ug/l	98
45) 1,2-Dichloropropane	9.12	63	108270	19.21	ug/l	94
46) Dibromomethane	9.21	93	60645	17.57	ug/l	94
47) Bromodichloromethane	9.40	83	133382	18.98	ug/l	99
48) Methyl methacrylate	9.20	41	71418	14.67	ug/l	97
49) 1,4-Dioxane	9.21	88	17193	266.98	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	396090	68.60	ug/l	100
52) Toluene	10.16	92	231112	18.83	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	132457	18.32	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	155378	19.18	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	83519	17.45	ug/l	98
56) Ethyl methacrylate	10.43	69	107114	16.06	ug/l	98
57) 1,3-Dichloropropane	10.71	76	145012	17.59	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	186449	147.15	ug/l	96
59) 2-Hexanone	10.76	43	255542	63.67	ug/l	99
60) Dibromochloromethane	10.90	129	97160	18.00	ug/l	100
61) 1,2-Dibromoethane	11.01	107	82988	16.79	ug/l	98
64) Tetrachloroethene	10.63	164	85157	18.35	ug/l	98
65) Chlorobenzene	11.44	112	255430	19.25	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	96526	19.71	ug/l	99
67) Ethyl Benzene	11.51	91	441206	19.47	ug/l	100
68) m/p-Xylenes	11.62	106	339819	40.83	ug/l	98
69) o-Xylene	11.95	106	162509	19.87	ug/l	99
70) Styrene	11.97	104	260998	20.06	ug/l	99
71) Bromoform	12.13	173	61655	16.76	ug/l #	99
73) Isopropylbenzene	12.25	105	434643	19.31	ug/l	100
74) N-amyl acetate	12.07	43	127687	15.70	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	104271	15.17	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	78791m	15.29	ug/l	
77) Bromobenzene	12.53	156	103038	18.78	ug/l	97
78) n-propylbenzene	12.59	91	500027	19.53	ug/l	99
79) 2-Chlorotoluene	12.68	91	295451	18.95	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	351199	19.20	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29938	17.37	ug/l	100
82) 4-Chlorotoluene	12.78	91	292968	19.32	ug/l	100
83) tert-Butylbenzene	13.00	119	307478	19.29	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	357491	19.68	ug/l	99
85) sec-Butylbenzene	13.17	105	411643	19.45	ug/l	99
86) p-Isopropyltoluene	13.29	119	352448	19.68	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	180901	19.31	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	177524	19.00	ug/l	98
89) n-Butylbenzene	13.62	91	287185	20.57	ug/l	98
90) Hexachloroethane	13.88	117	72909	18.32	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	181075	19.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16191	15.32	ug/l	90

Data Path : W:\HPCHEM1\MSVOA N\Data\VN052918\
 Data File : VN048689.D
 Acq On : 29 May 2018 11:39
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampleId :
 VSTDIC020

Manual Integrations
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MMDadoda
 5/31/2018 11:12:35 AM

Quant Time: May 29 12:52:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	80030	22.25	ug/l	99
94) Hexachlorobutadiene	15.01	225	54633	18.92	ug/l	98
95) Naphthalene	15.14	128	162038	16.90	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	82351	21.77	ug/l	98

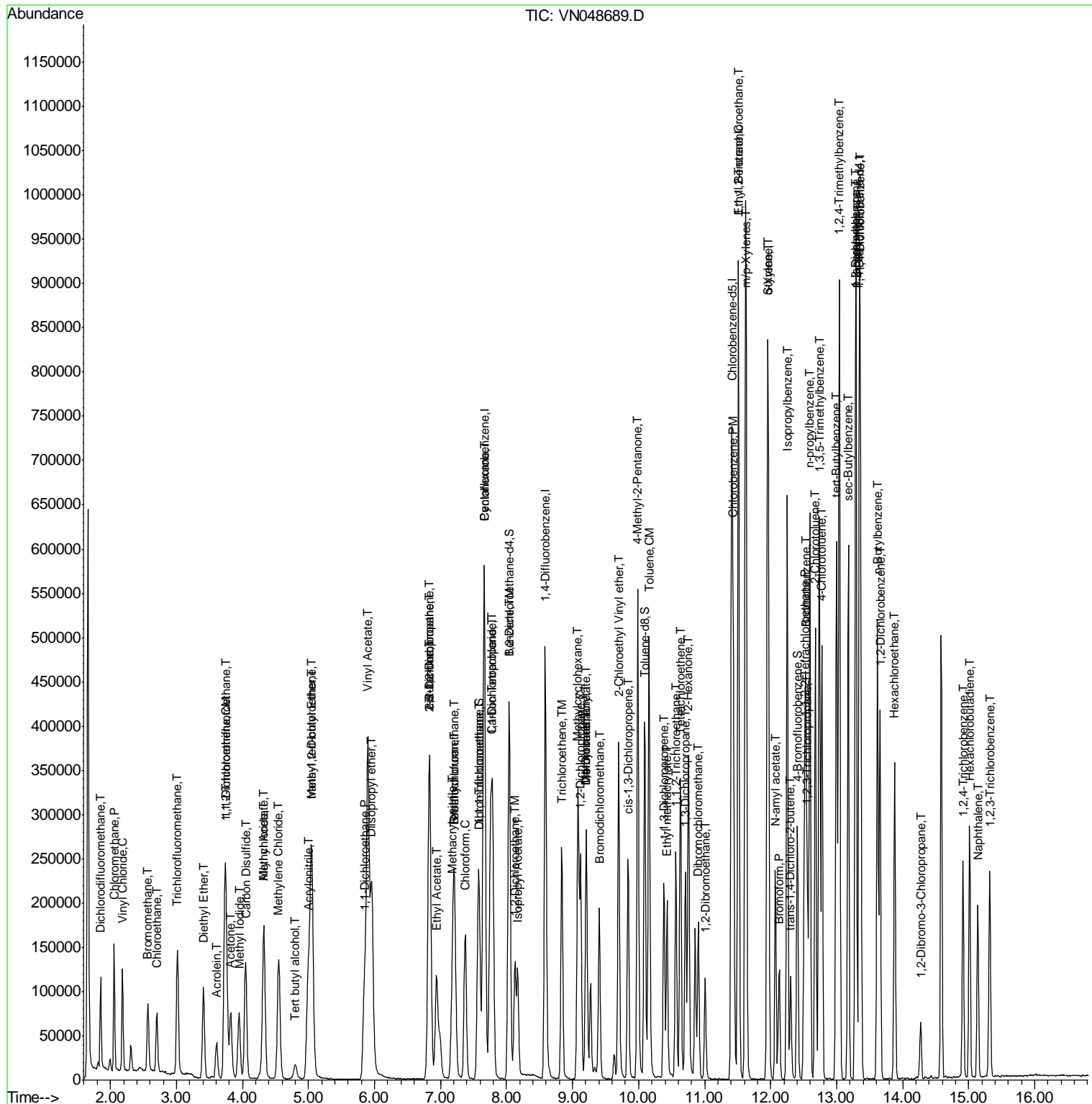
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\Data\VN052918\
 Data File : VN048689.D
 Acq On : 29 May 2018 11:39
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

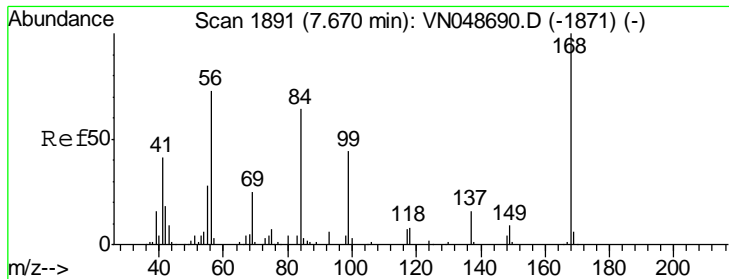
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

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Quant Time: May 29 12:52:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration



1
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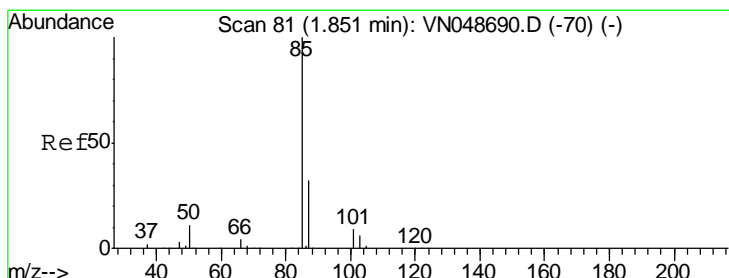
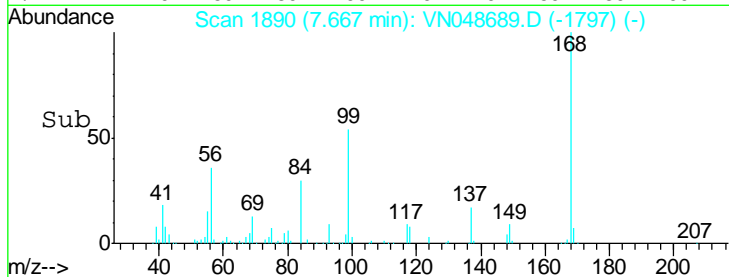
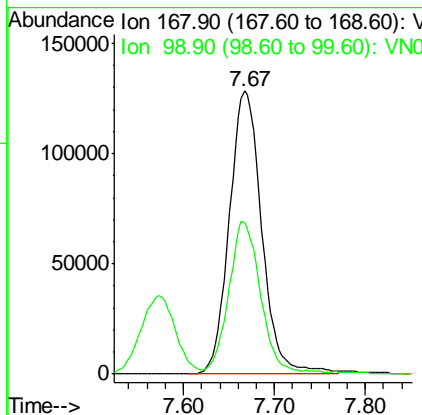
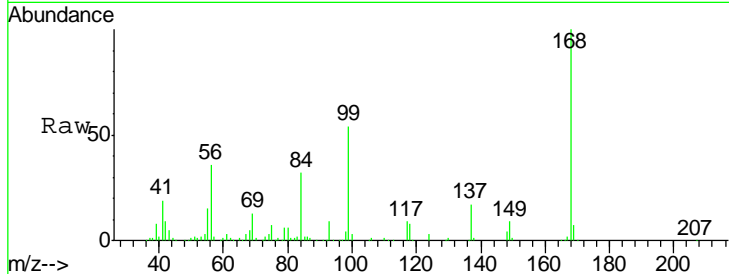
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
168	100		
99	52.8	40.8	61.2

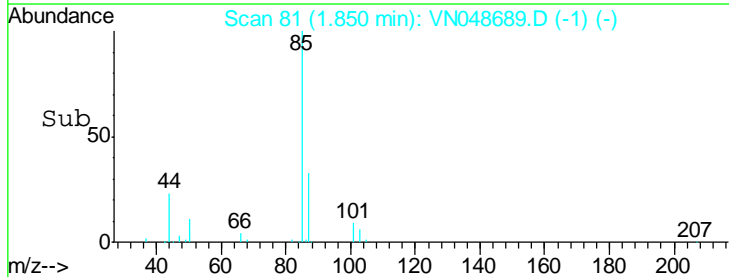
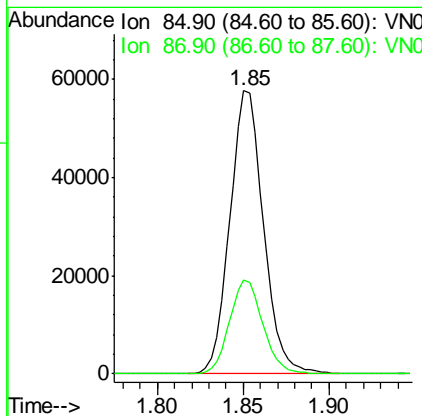
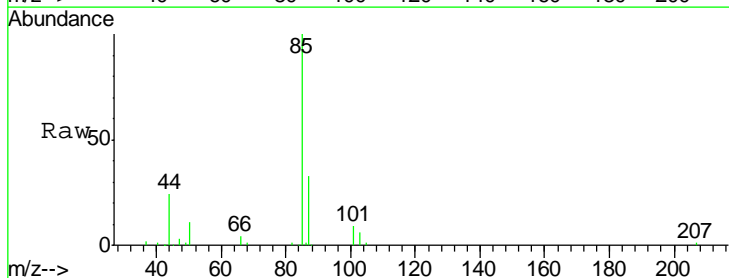
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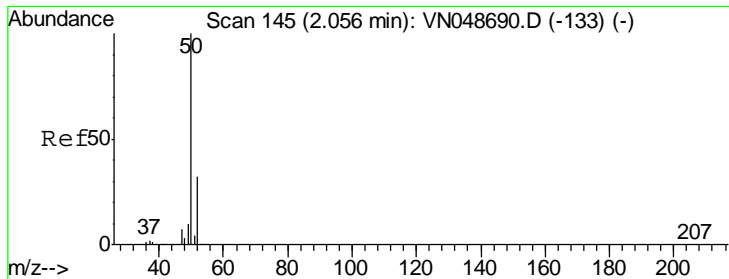
MMDadoda
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#2
 Dichlorodifluoromethane
 Concen: 15.56 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
85	100		
87	33.1	15.9	47.7





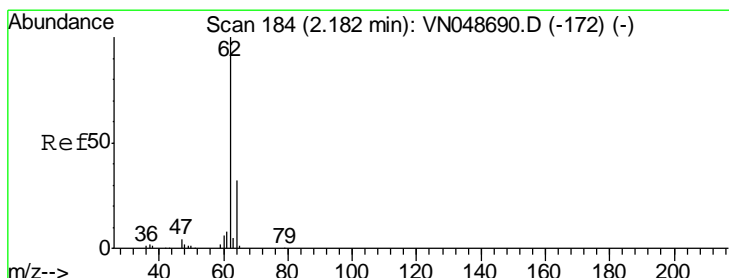
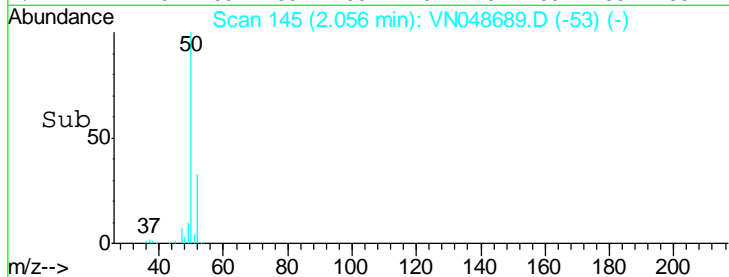
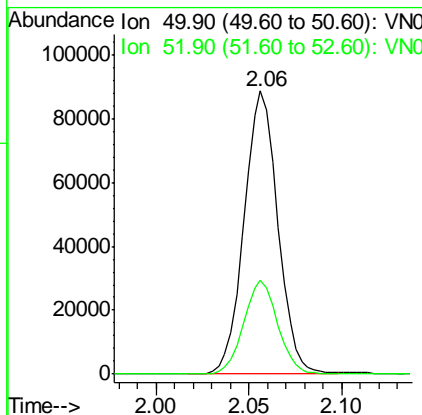
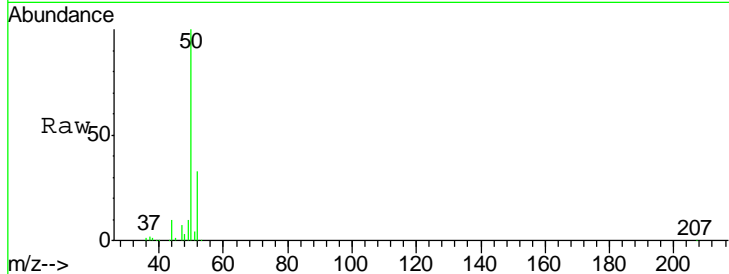
#3
 Chloromethane
 Concen: 16.44 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
50	112237		
52	33.0	26.0	39.0

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

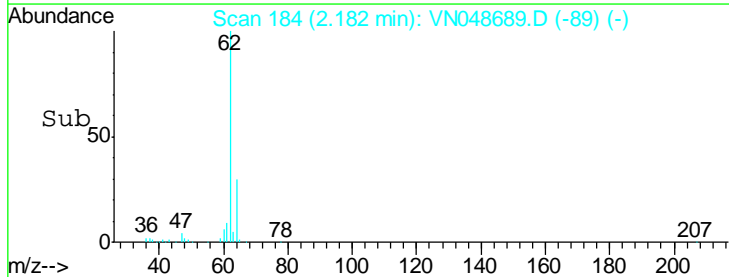
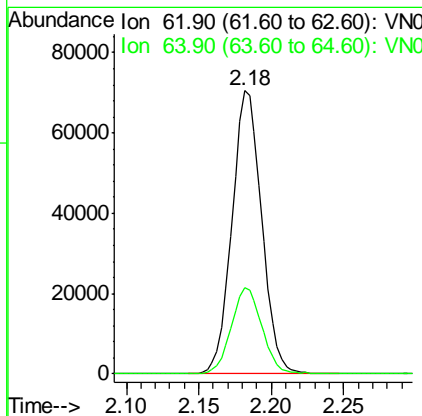
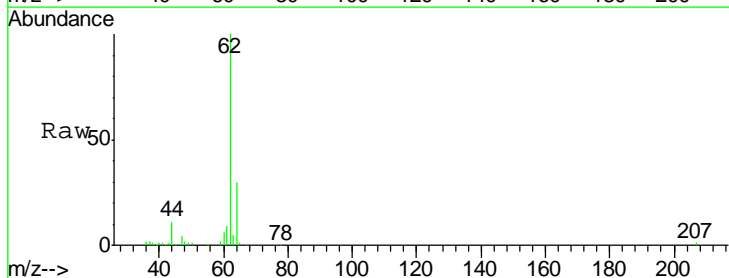
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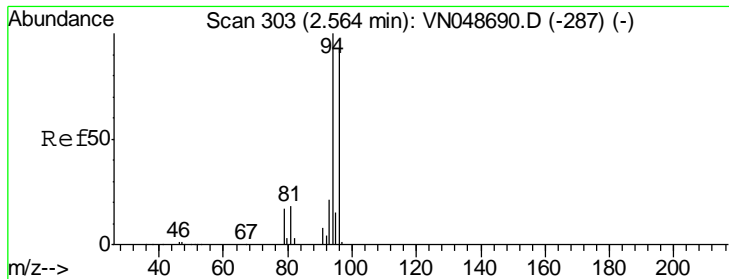
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#4
 Vinyl Chloride
 Concen: 17.27 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
62	99969		
64	30.3	25.6	38.4





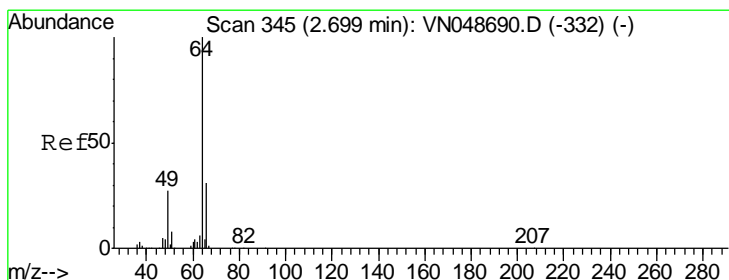
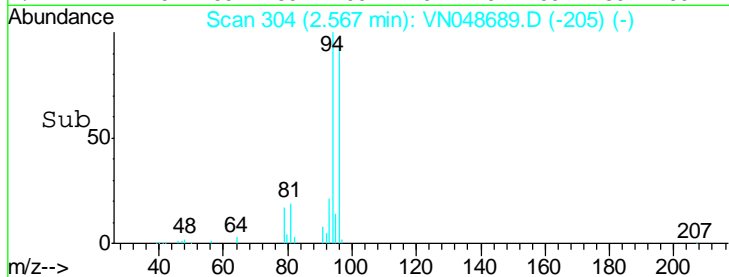
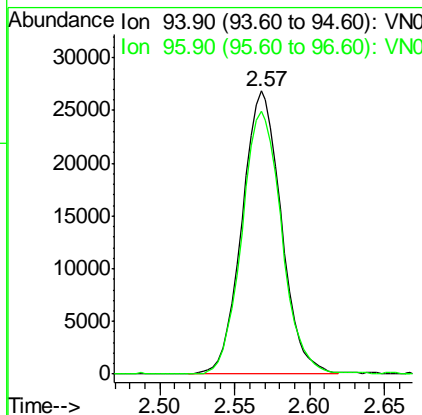
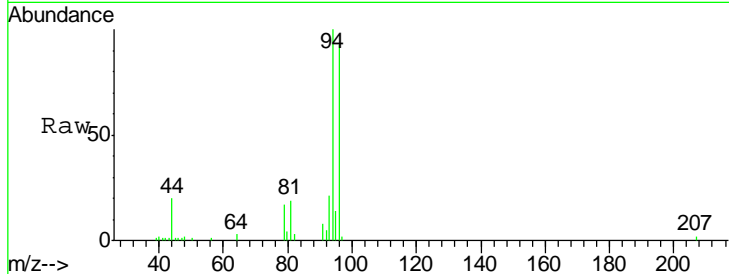
#5
 Bromomethane
 Concen: 14.44 ug/l
 RT: 2.57 min Scan# 304
 Delta R.T. 0.02 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
94	48935		
94	100		
96	92.7	78.0	117.0

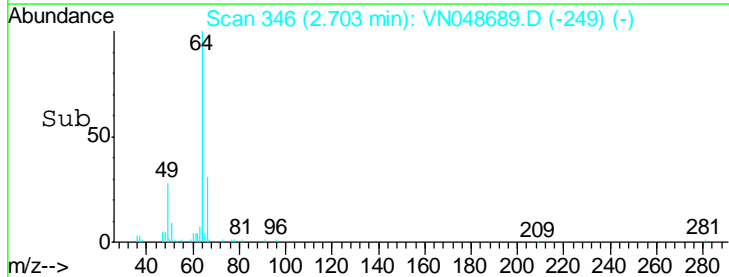
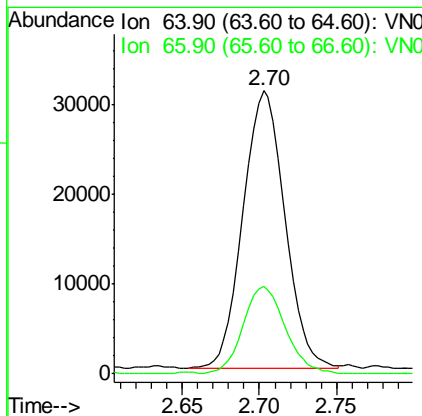
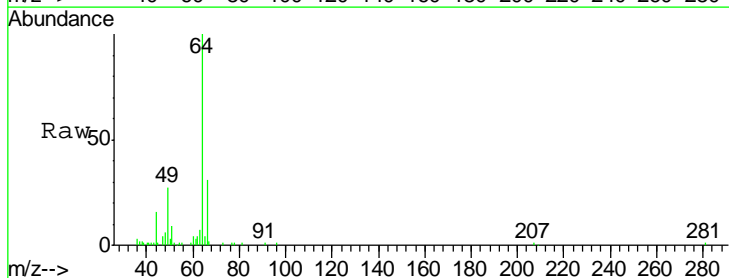
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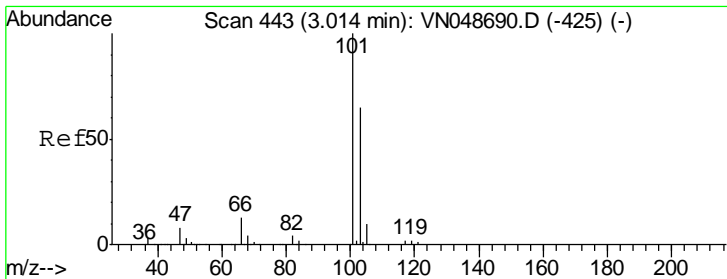
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#6
 Chloroethane
 Concen: 17.93 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
64	58022		
64	100		
66	31.5	24.8	37.2





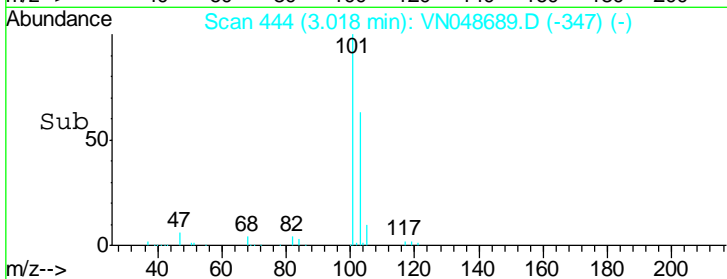
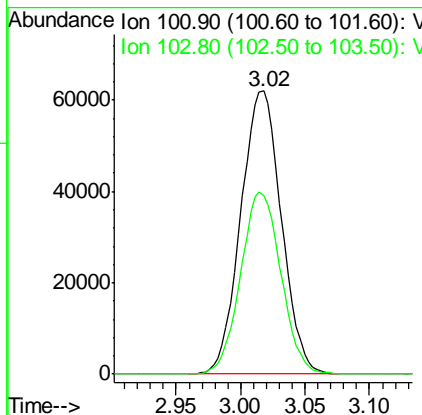
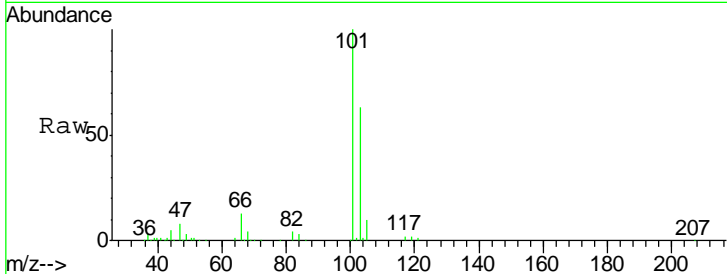
#7
 Trichlorofluoromethane
 Concen: 17.60 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
101	136050		
103	63.0	50.8	76.2

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

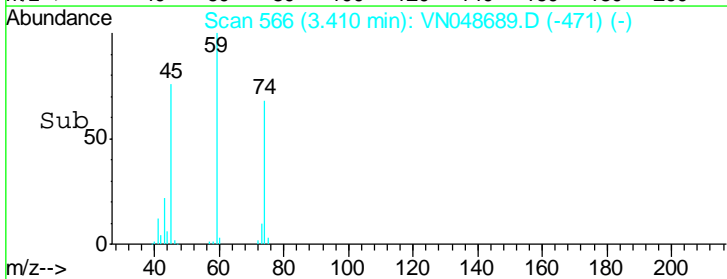
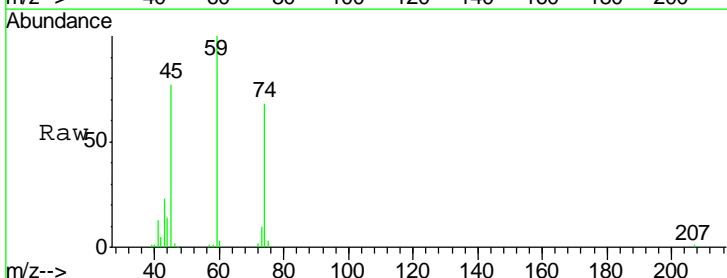
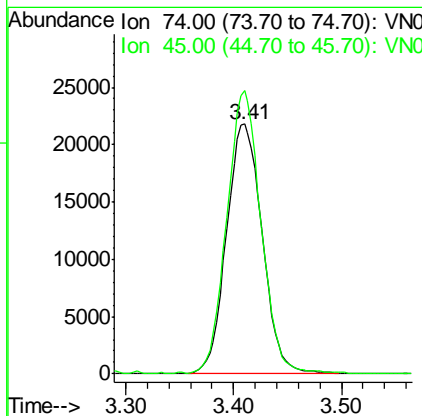
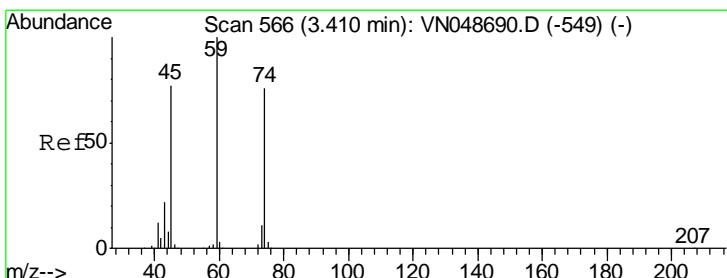
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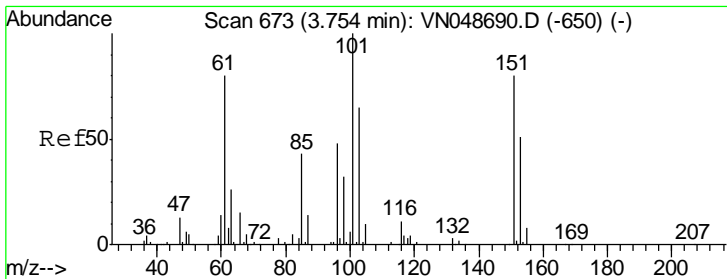
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#8
 Diethyl Ether
 Concen: 16.75 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

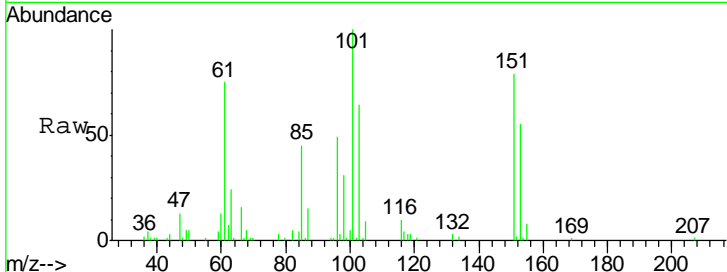
Tgt Ion	Resp	Lower	Upper
74	50401		
45	108.5	50.0	150.0





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.94 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

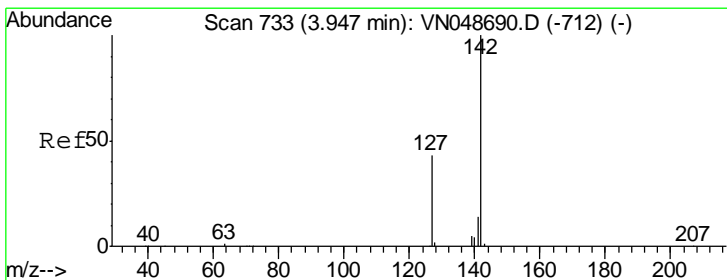
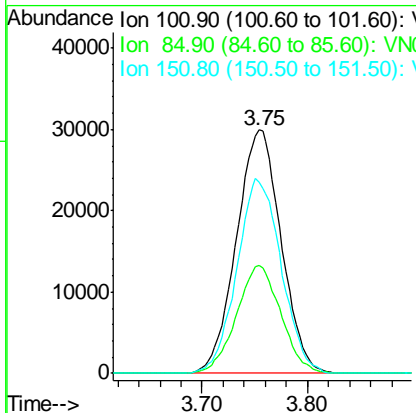
Instrument : MSVOA_N
 ClientSampled : VSTDIC020



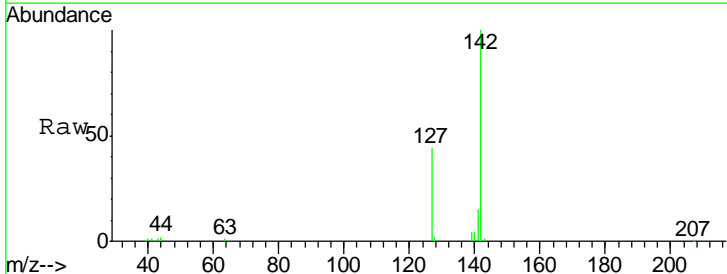
Tgt Ion	Resp	Lower	Upper
101	88274		
101	100		
85	43.9	33.3	49.9
151	79.2	66.5	99.7

Manual Integrations
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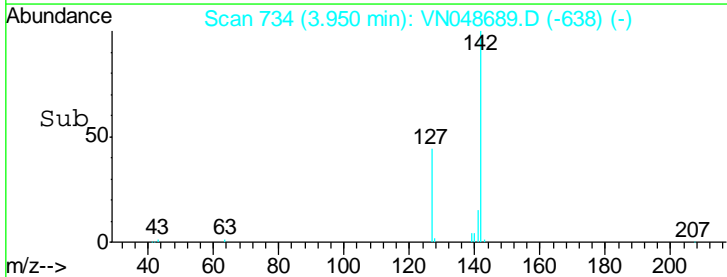
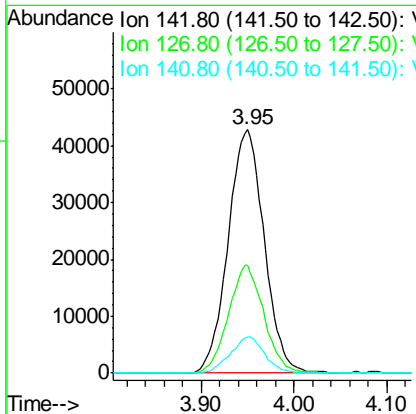
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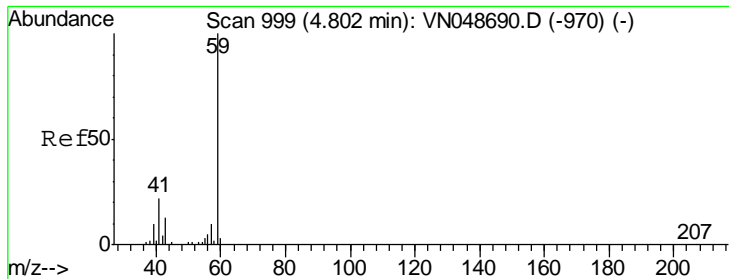


#10
 Methyl Iodide
 Concen: 15.90 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39



Tgt Ion	Resp	Lower	Upper
142	115627		
142	100		
127	43.6	32.5	48.7
141	14.1	11.3	16.9



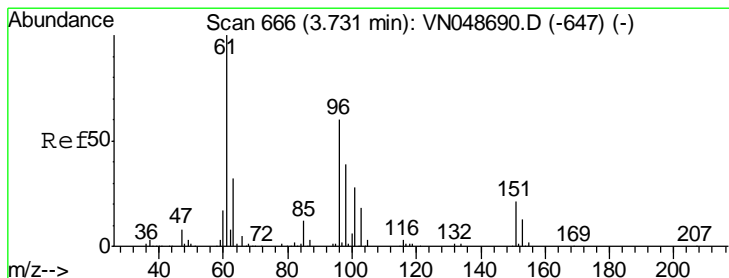
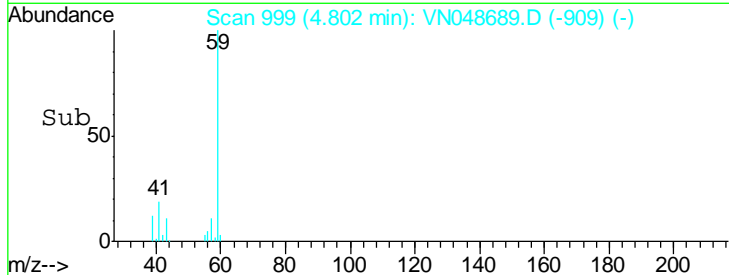
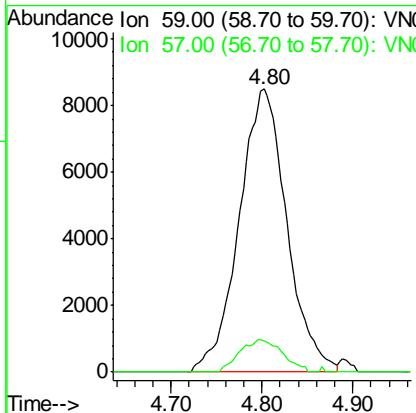
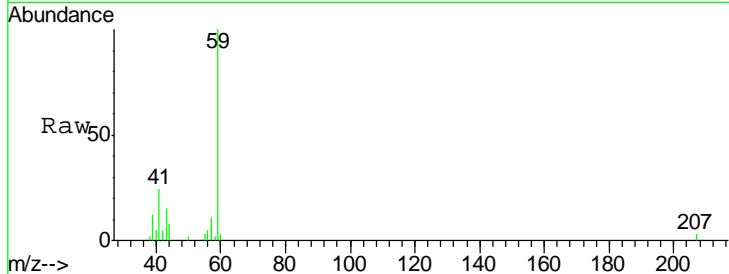


#11
 Tert butyl alcohol
 Concen: 55.53 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.3	8.1	12.1

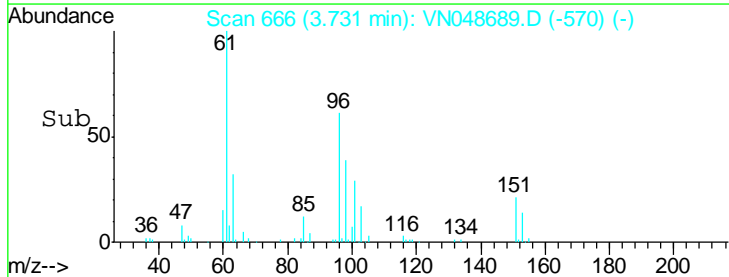
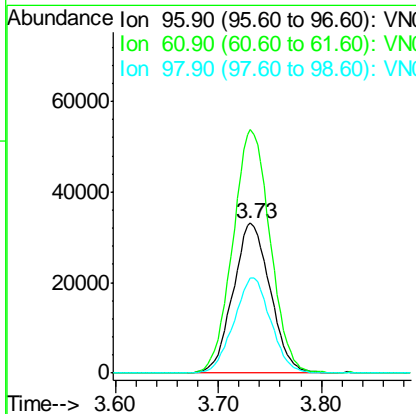
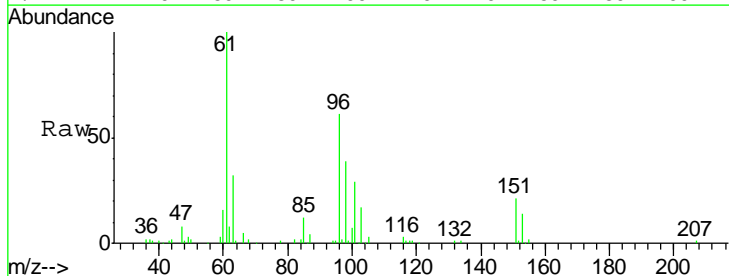
Instrument : MSVOA_N
 Client Sampled : VSTDIC020

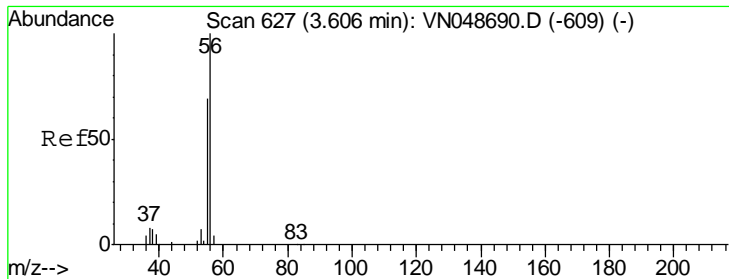
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#12
 1,1-Dichloroethene
 Concen: 18.26 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
96	100		
61	162.7	125.6	188.4
98	63.4	51.0	76.4





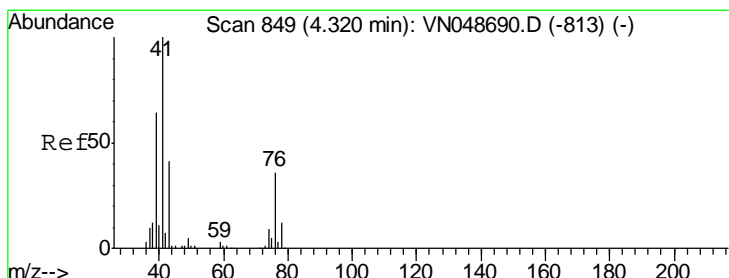
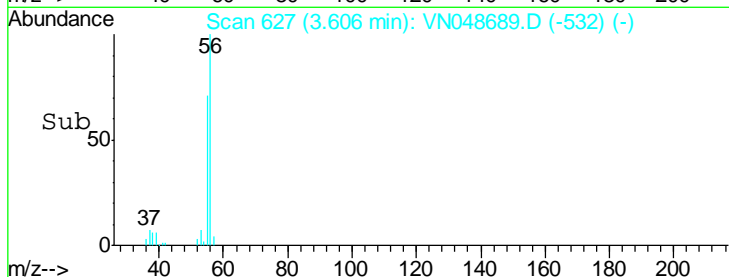
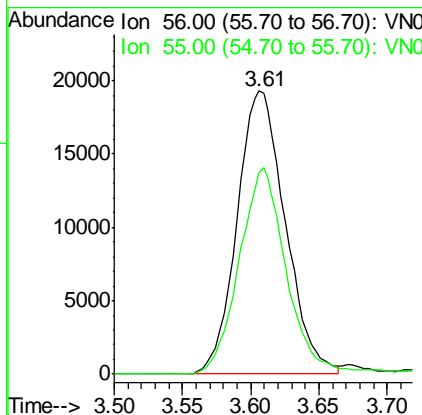
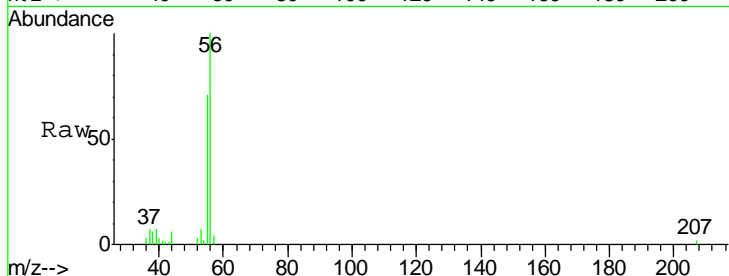
#13
 Acrolein
 Concen: 66.09 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
56	47313		
55	70.9	57.1	85.7

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

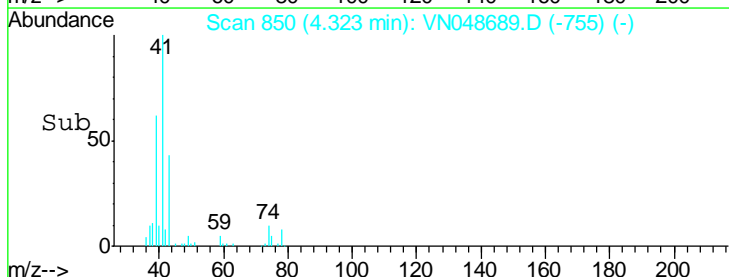
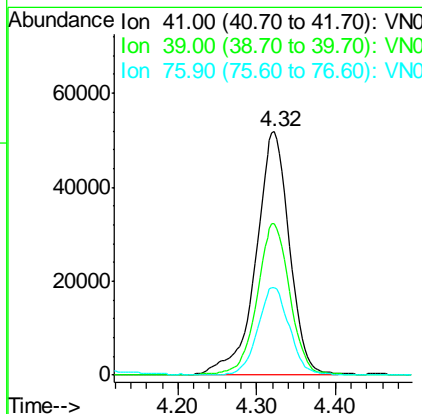
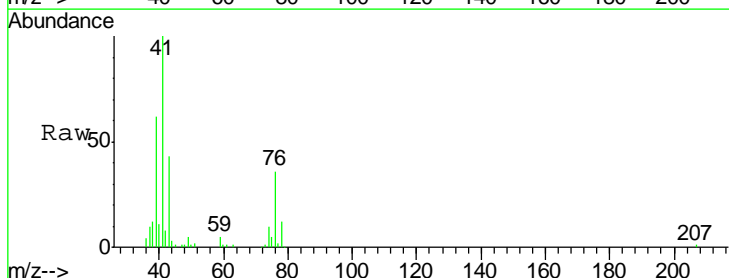
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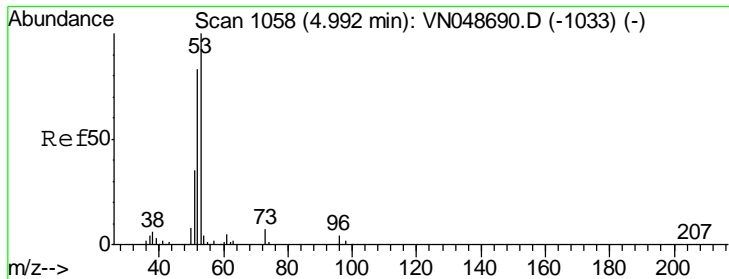
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#14
 Allyl chloride
 Concen: 17.74 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
41	156104		
39	61.2	51.1	76.7
76	33.9	28.2	42.2





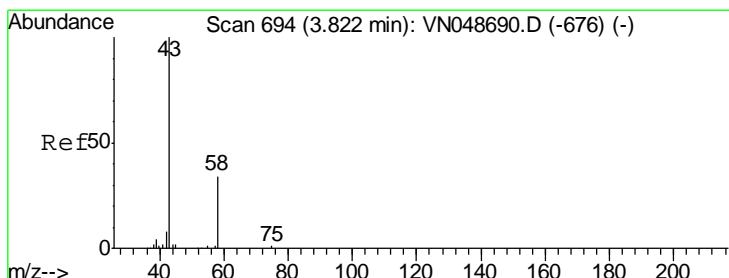
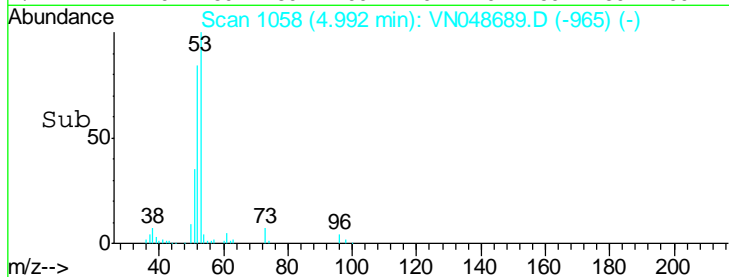
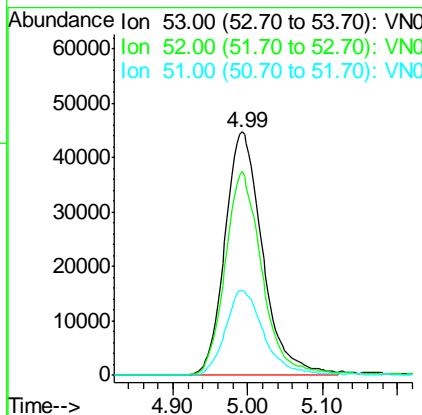
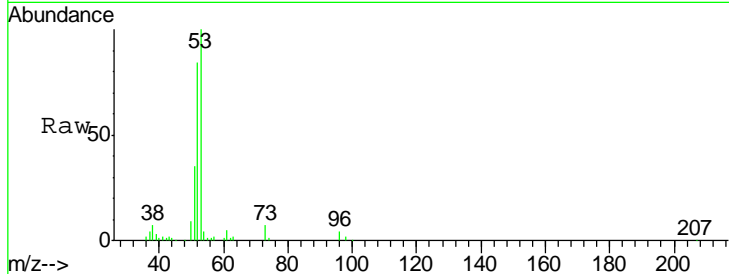
#15
 Acrylonitrile
 Concen: 69.14 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
53	156223		
52	81.8	65.5	98.3
51	35.9	28.8	43.2

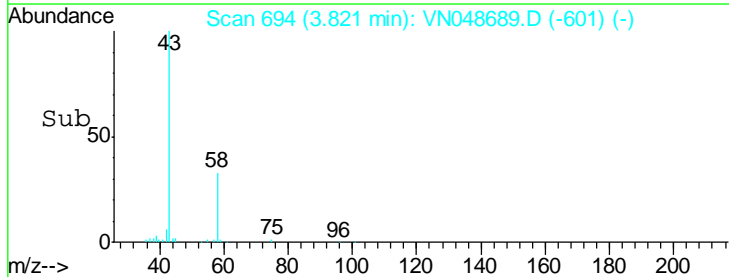
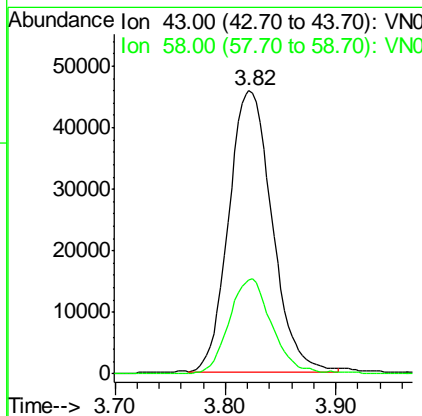
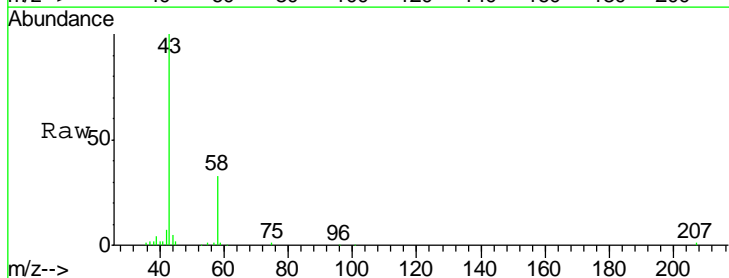
Manual Integrations
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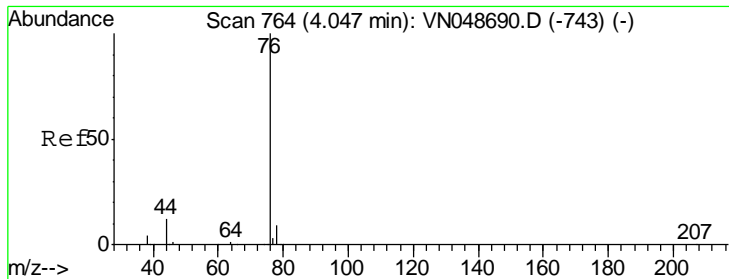
MMDadoda
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#16
 Acetone
 Concen: 56.60 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
43	123962		
58	33.3	25.4	38.0





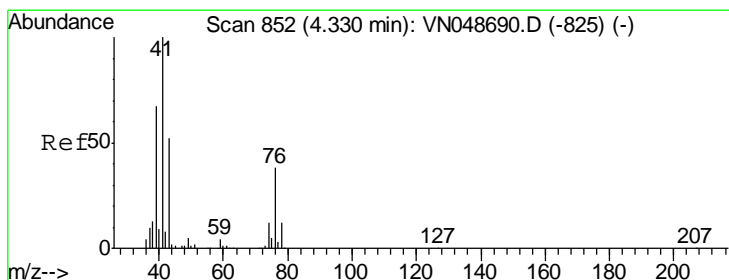
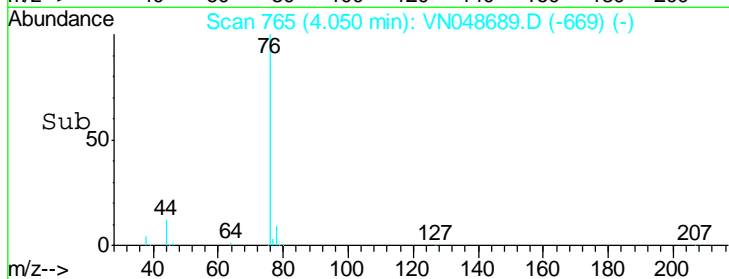
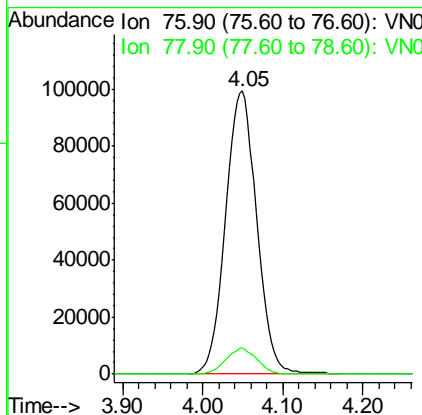
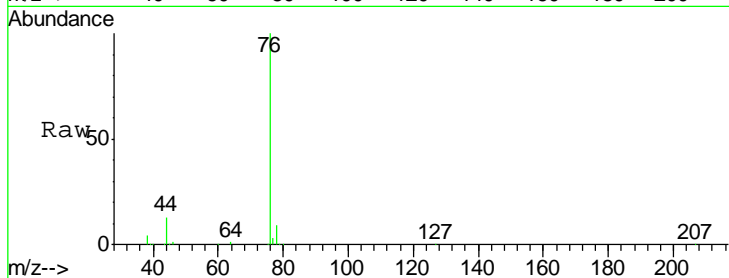
#17
 Carbon Disulfide
 Concen: 17.87 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	263640		
76	100		
78	9.2	7.2	10.8

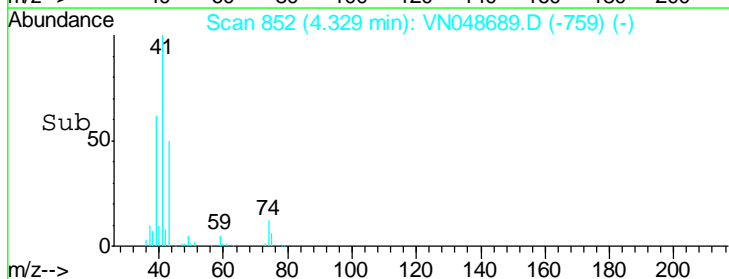
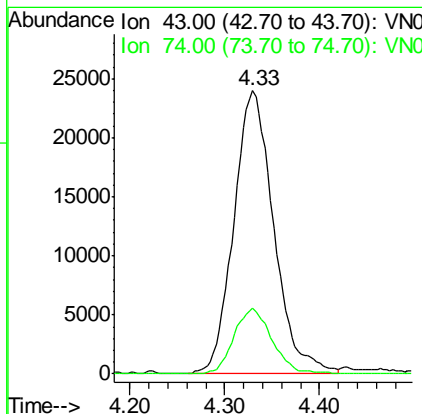
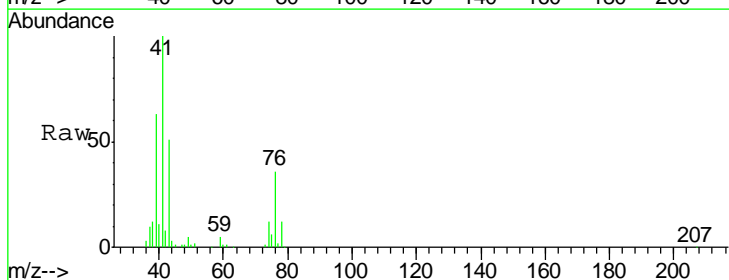
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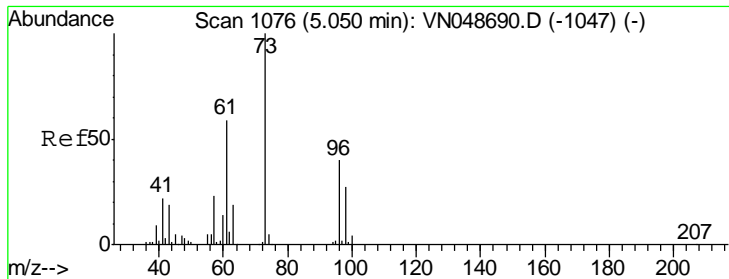
MMDadoda
 5/31/2018 11:12:35 AM



#18
 Methyl Acetate
 Concen: 11.02 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
43	70562		
43	100		
74	21.8	18.4	27.6





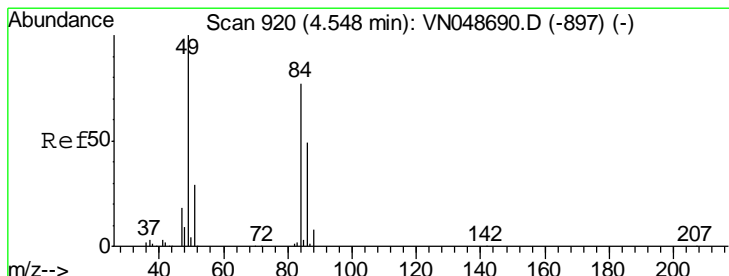
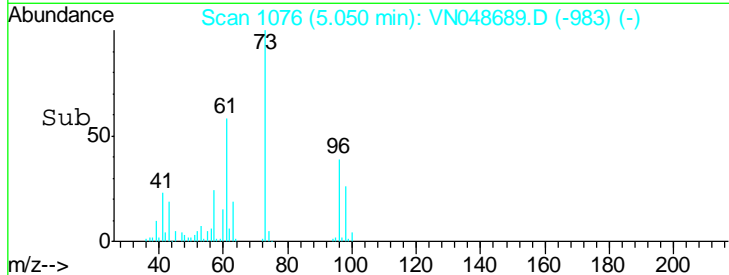
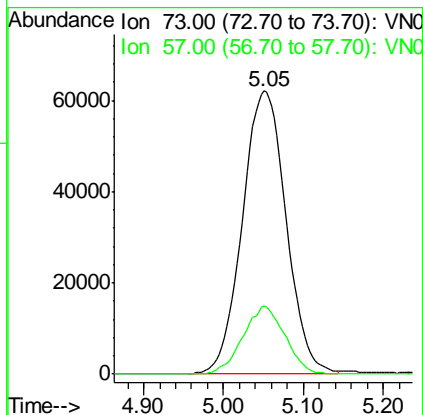
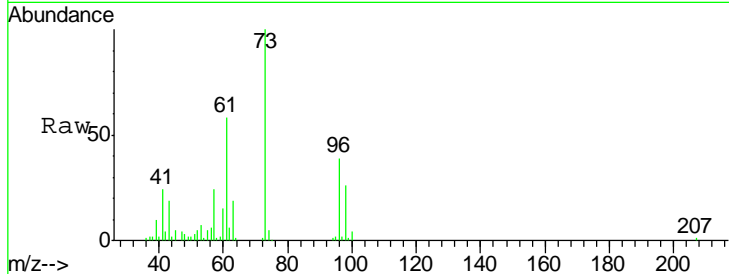
#19
 Methyl tert-butyl Ether
 Concen: 16.63 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
73	231629		
73	100		
57	24.2	18.0	27.0

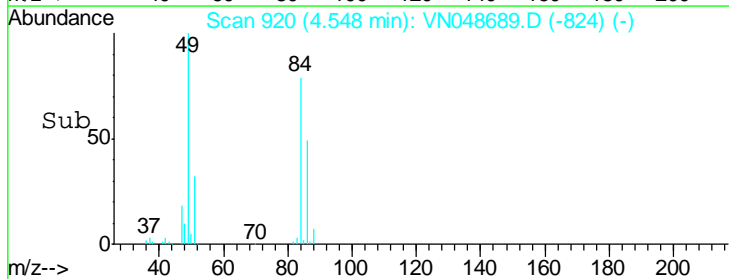
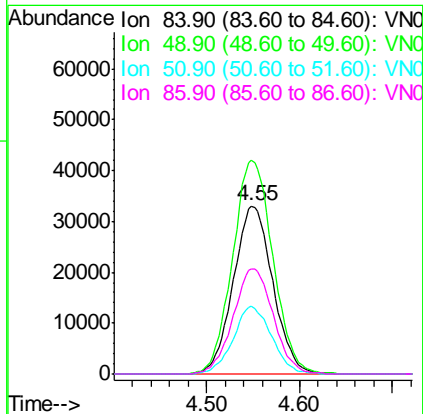
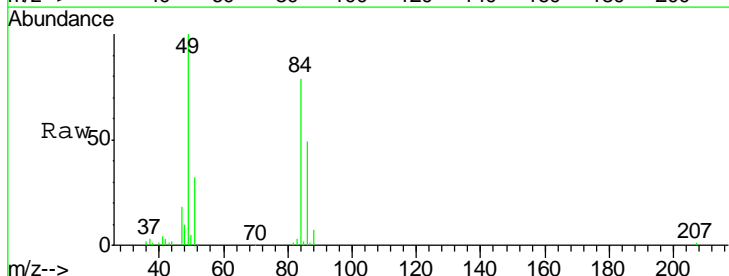
Manual Integrations
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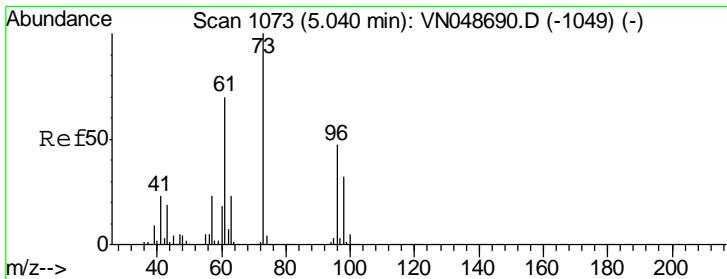
MMDadoda
 5/31/2018 11:12:35 AM



#20
 Methylene Chloride
 Concen: 16.91 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
84	97565		
84	100		
49	126.9	97.7	146.5
51	40.0	30.4	45.6
86	62.4	51.8	77.8





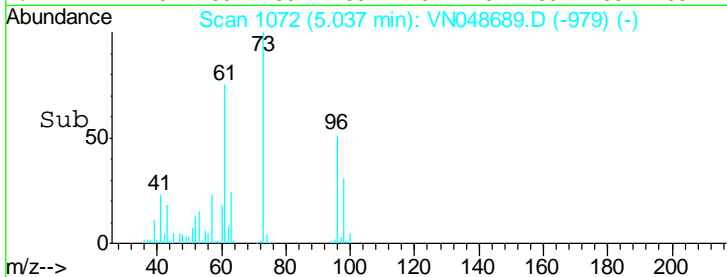
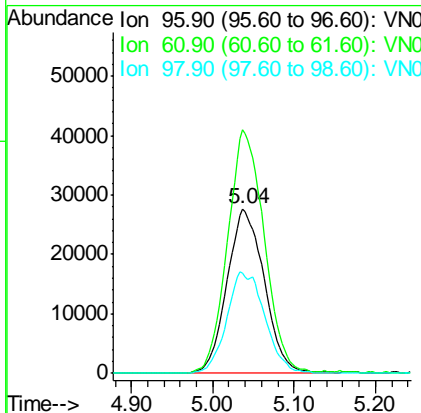
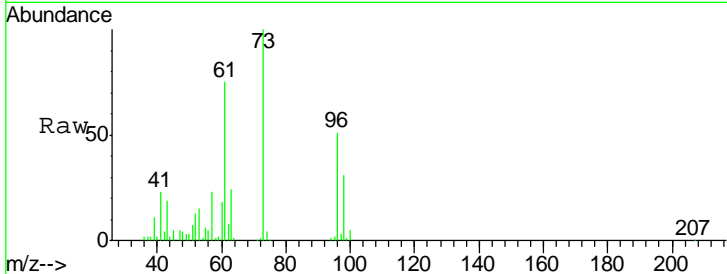
#21
 trans-1,2-Dichloroethene
 Concen: 17.80 ug/l
 RT: 5.04 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	88132		
96	100		
61	148.2	112.2	168.2
98	61.1	50.5	75.7

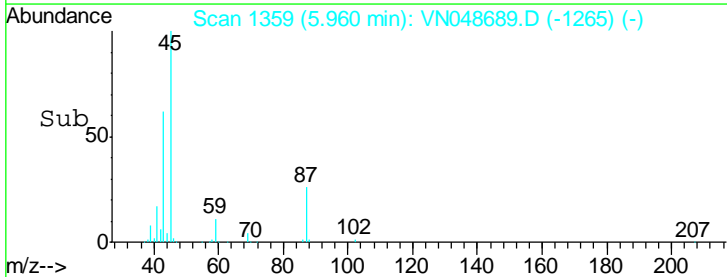
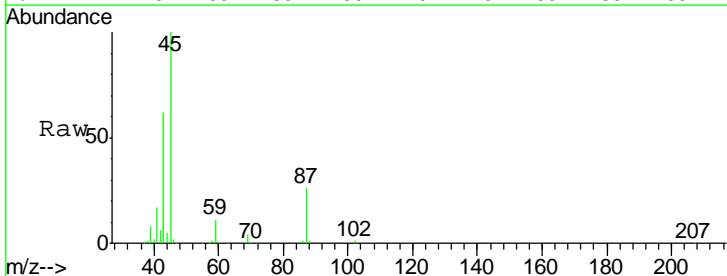
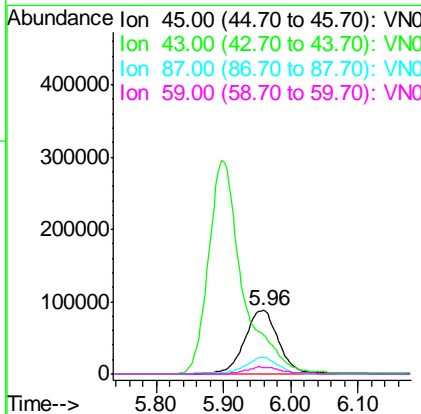
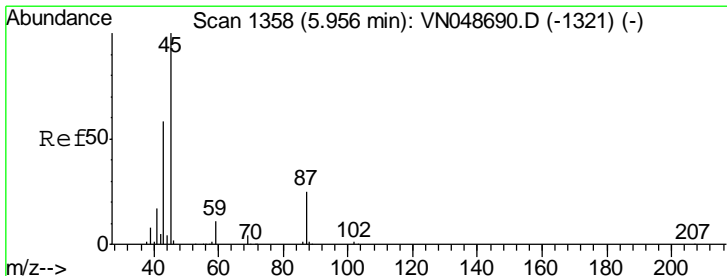
Manual Integrations
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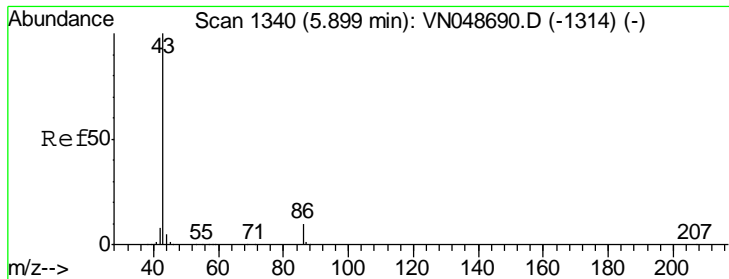
MMDadoda
 5/31/2018 11:12:35 AM



#22
 Diisopropyl ether
 Concen: 18.61 ug/l
 RT: 5.96 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
45	309248		
45	100		
43	58.8	43.8	65.8
87	26.0	21.8	32.6
59	10.6	9.2	13.8





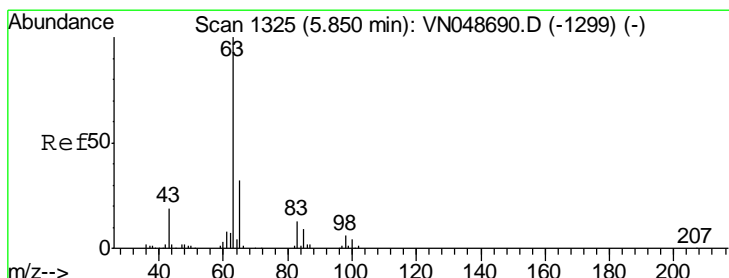
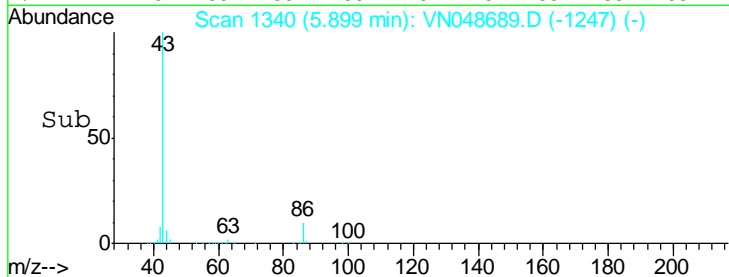
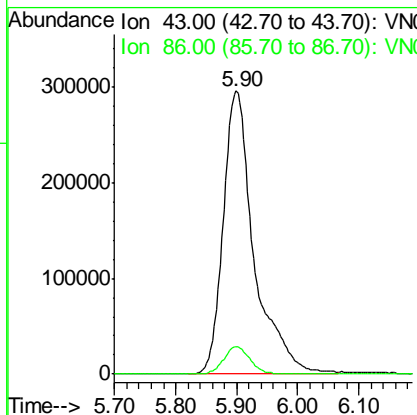
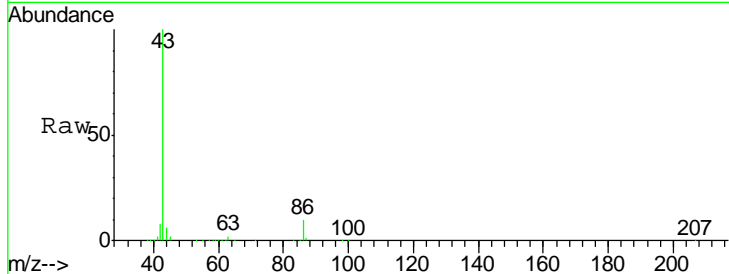
#23
 Vinyl Acetate
 Concen: 87.47 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
43	1041442		
86	9.6	8.2	12.2

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

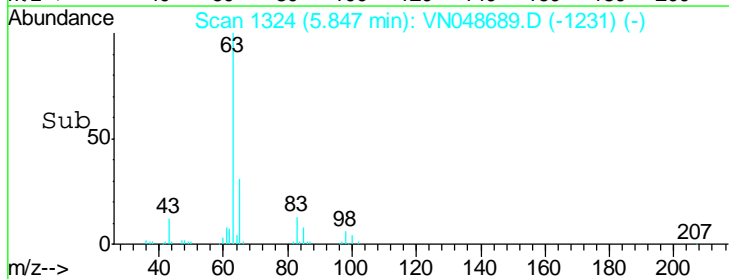
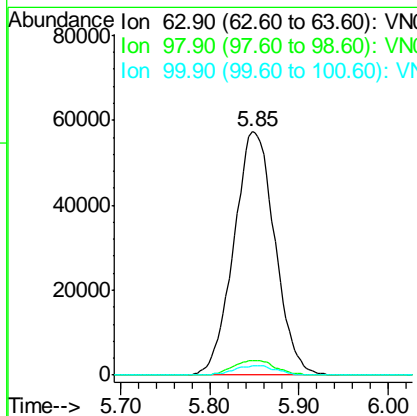
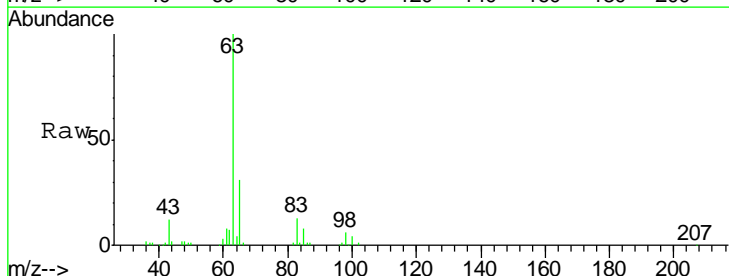
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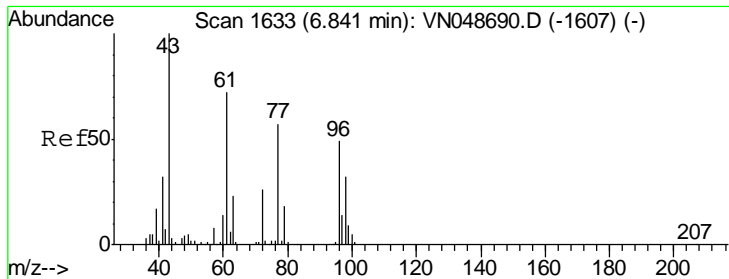
MMDadoda
 5/31/2018 11:12:35 AM



#24
 1,1-Dichloroethane
 Concen: 19.05 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
63	182553		
98	6.1	3.2	9.6
100	3.7	2.1	6.3





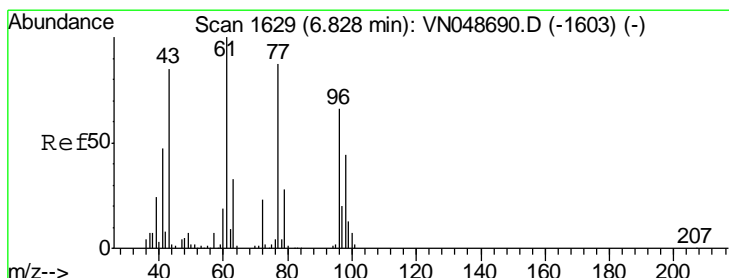
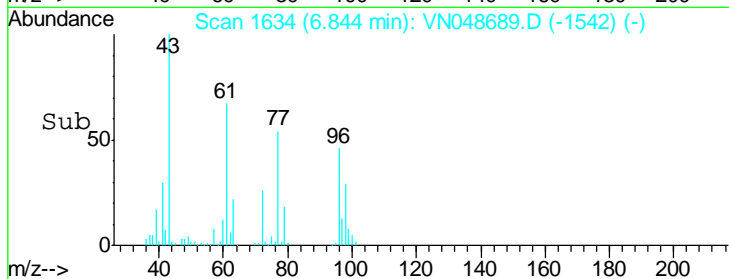
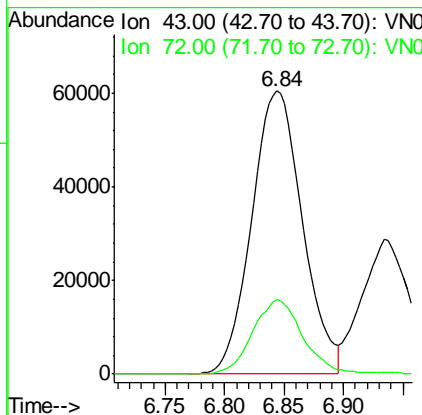
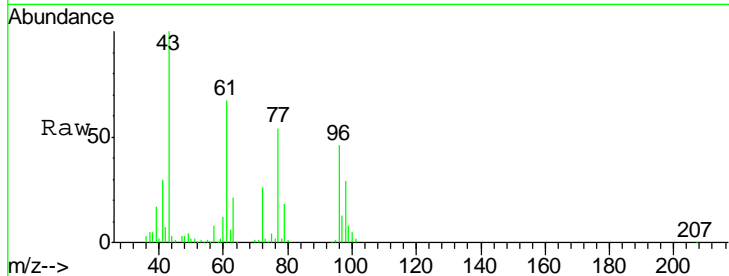
#25
 2-Butanone
 Concen: 61.32 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.3	20.8	31.2

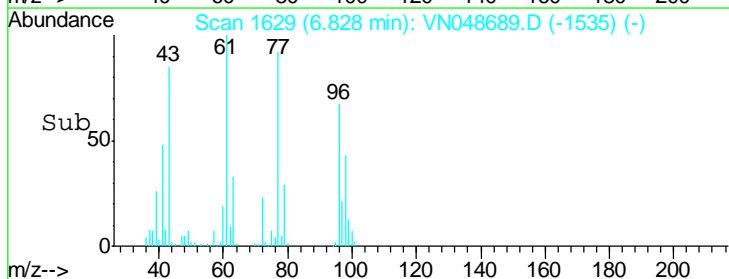
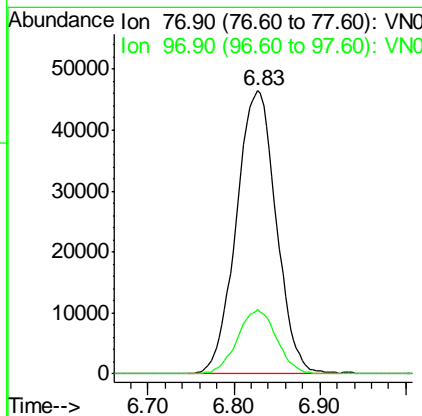
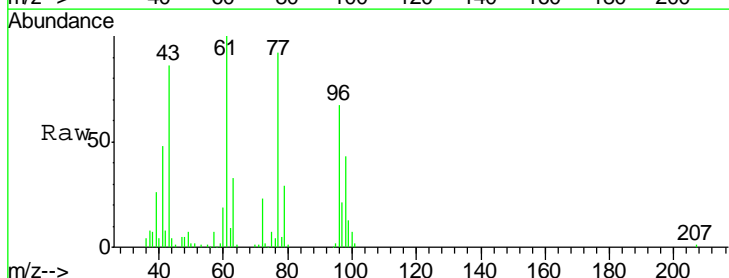
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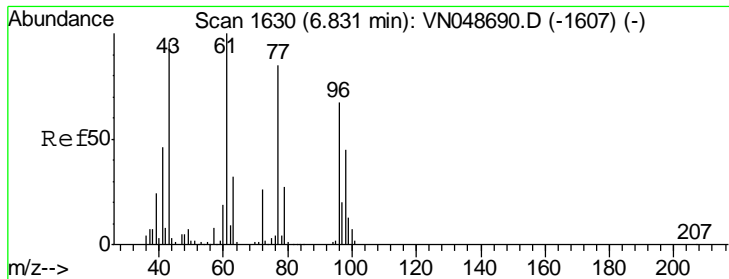
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 19.10 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
77	100		
97	22.2	11.9	35.5





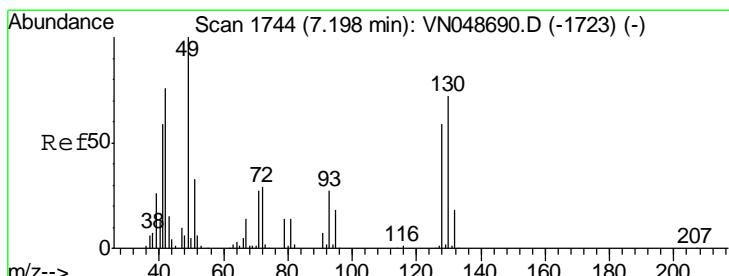
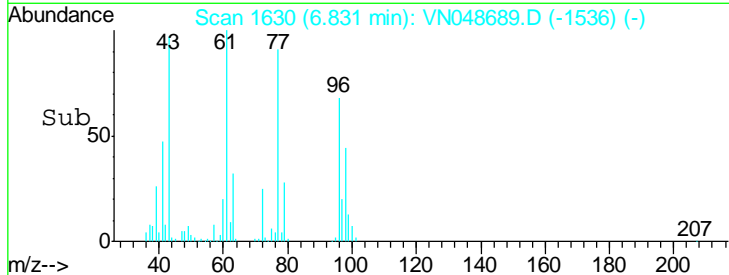
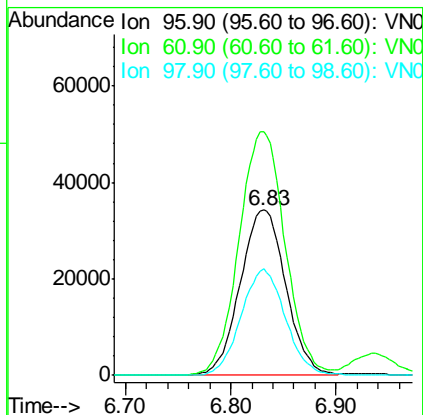
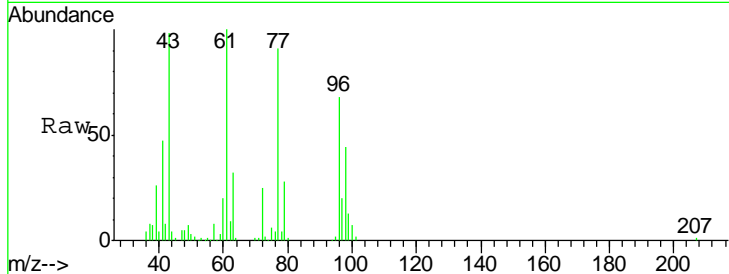
#27
 cis-1,2-Dichloroethene
 Concen: 18.44 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	102946		
96	100		
61	149.0	0.0	292.6
98	62.4	0.0	128.2

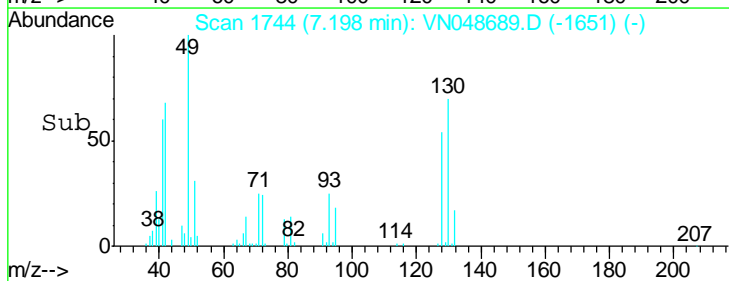
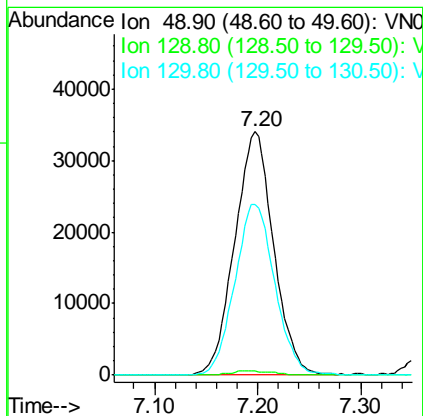
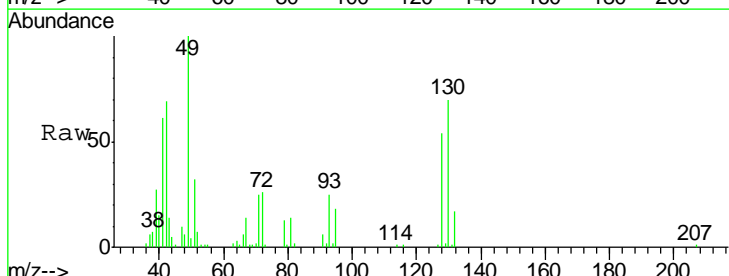
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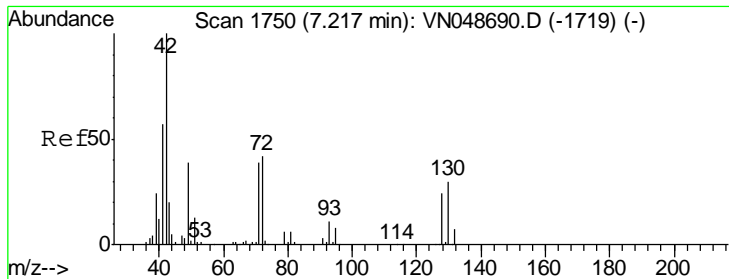
MMDadoda
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#28
 Bromochloromethane
 Concen: 25.64 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
49	89090		
49	100		
129	1.2	0.0	3.8
130	72.3	64.2	96.2





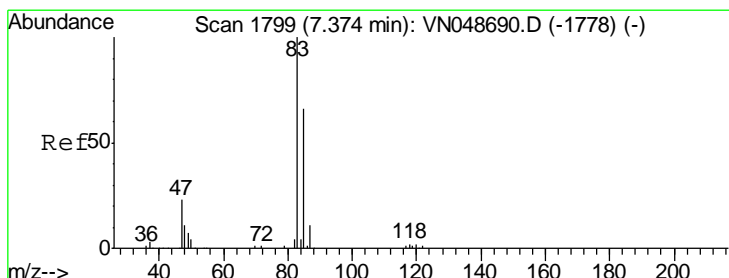
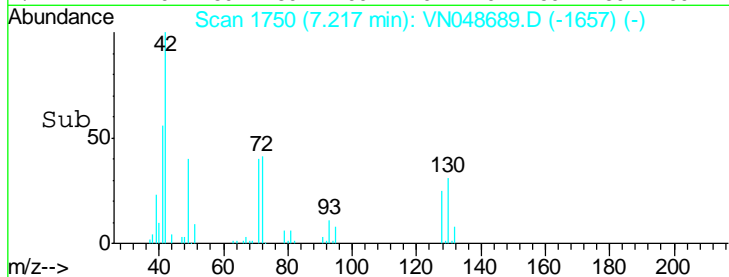
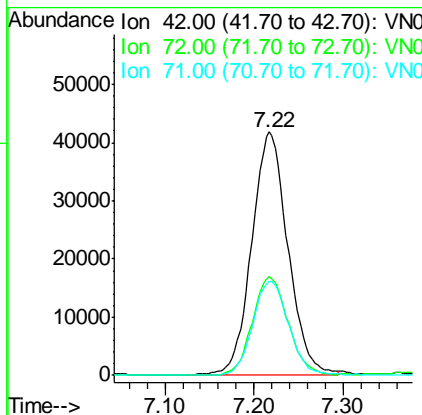
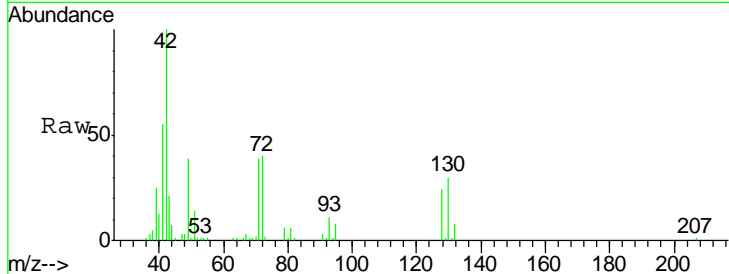
#29
 Tetrahydrofuran
 Concen: 63.70 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
42	118350		
72	39.9	34.2	51.4
71	38.2	31.8	47.8

Instrument : MSVOA_N
 ClientSampled : VN048689.D
 VSTDIC020

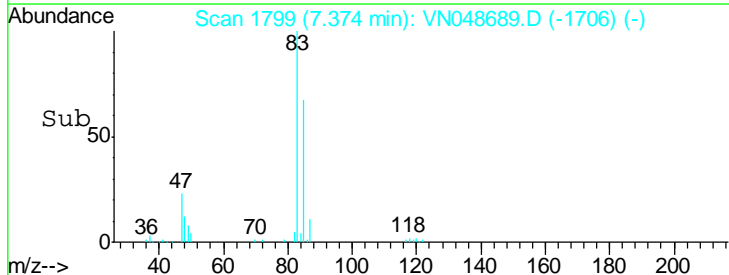
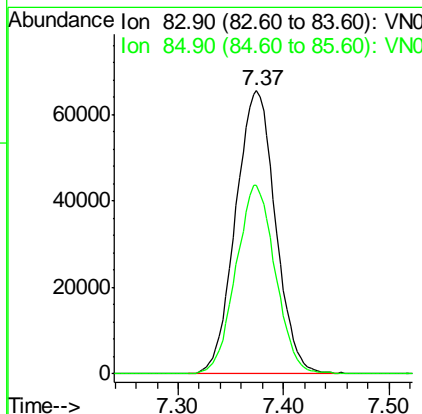
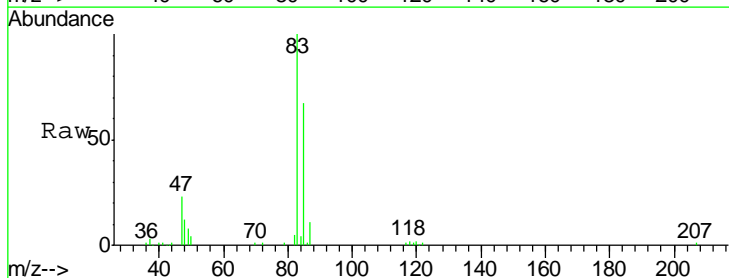
Manual Integrations
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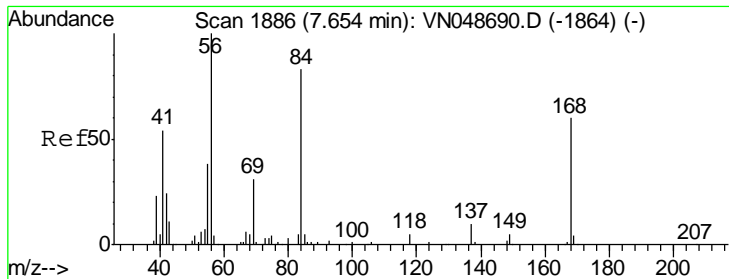
MMDadoda
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#30
 Chloroform
 Concen: 18.35 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
83	172032		
85	66.6	51.1	76.7





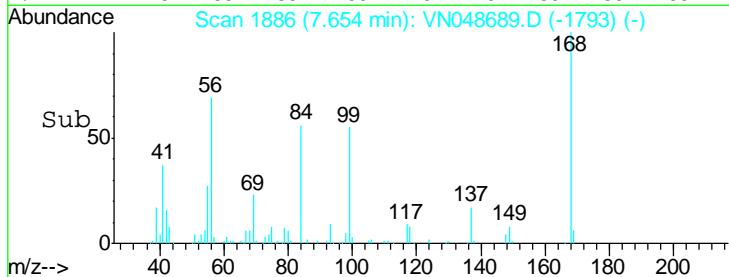
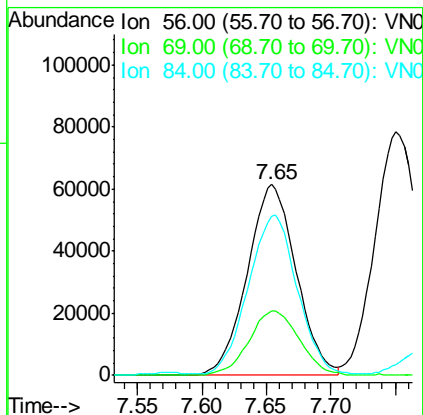
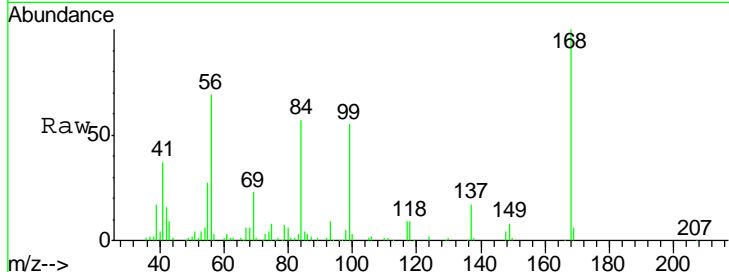
#31
 Cyclohexane
 Concen: 16.57 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	161993		
56	100		
69	33.5	25.6	38.4
84	82.5	67.5	101.3

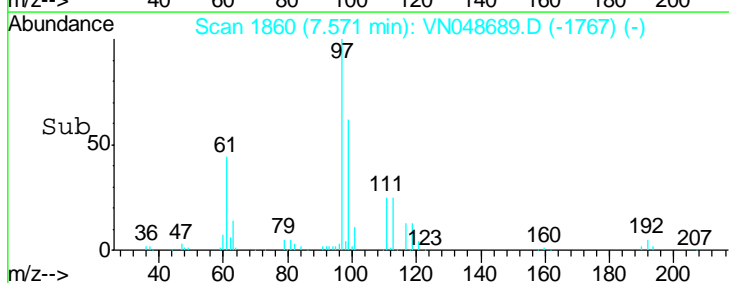
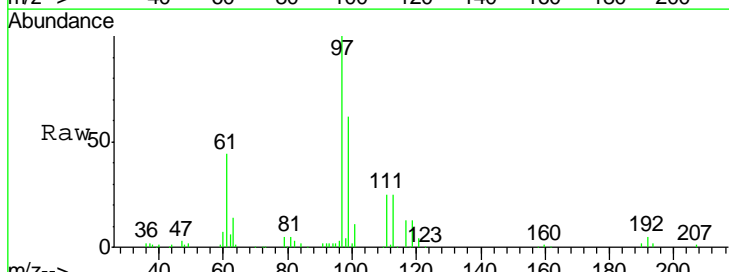
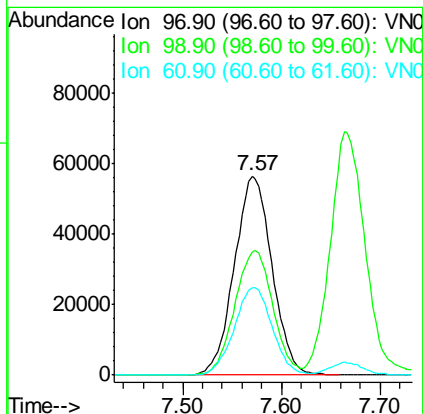
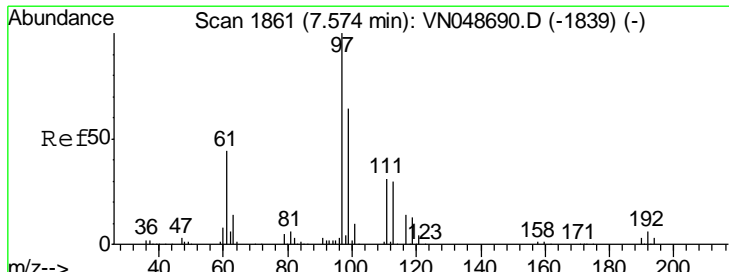
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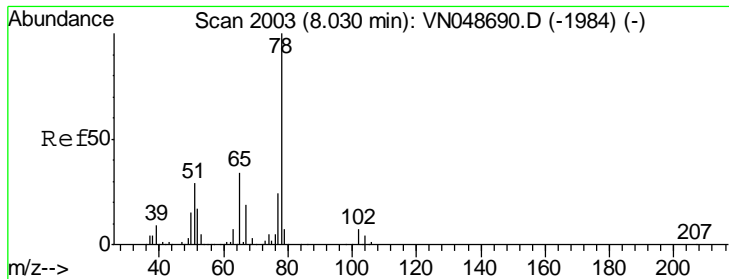
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#32
 1,1,1-Trichloroethane
 Concen: 18.30 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
97	149364		
97	100		
99	63.5	51.4	77.2
61	44.4	34.2	51.2





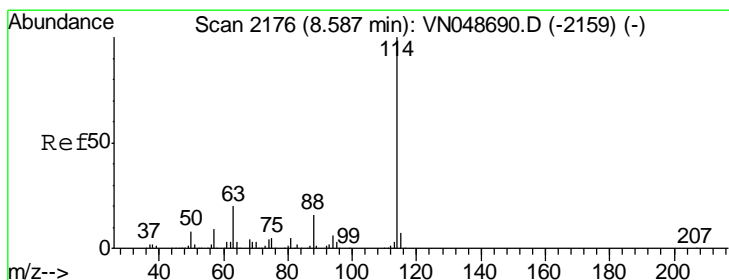
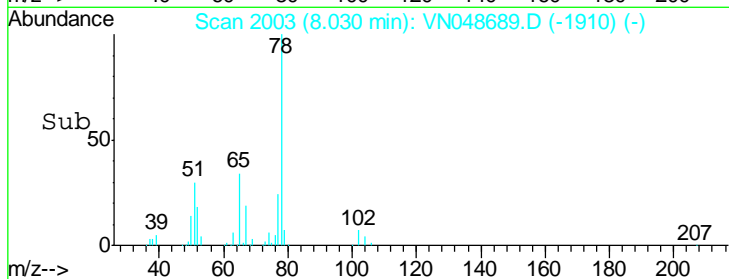
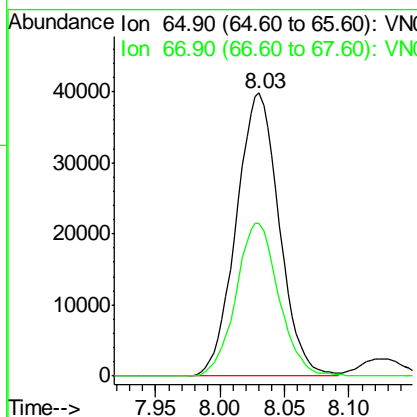
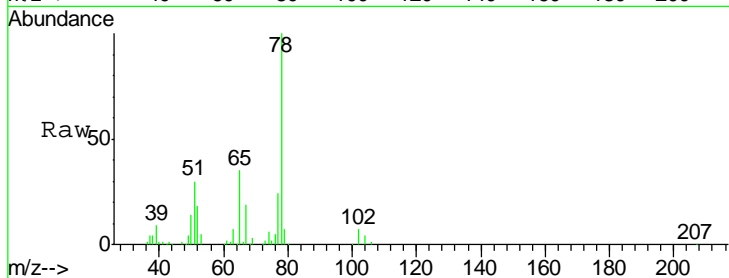
#33
 1,2-Dichloroethane-d4
 Concen: 15.32 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
65	92352		
65	100		
67	53.6	0.0	108.4

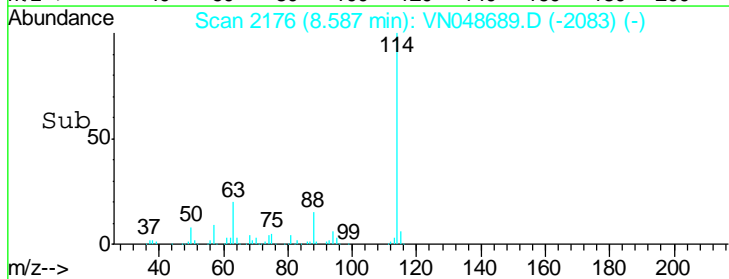
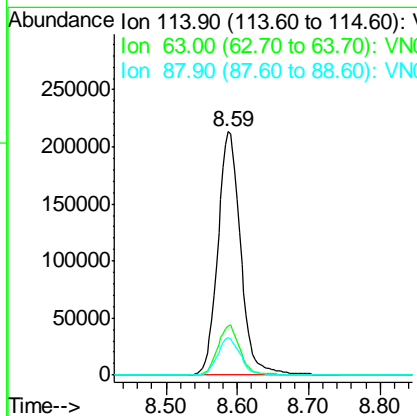
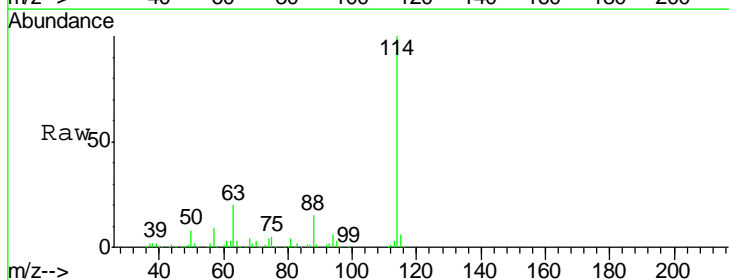
Manual Integrations
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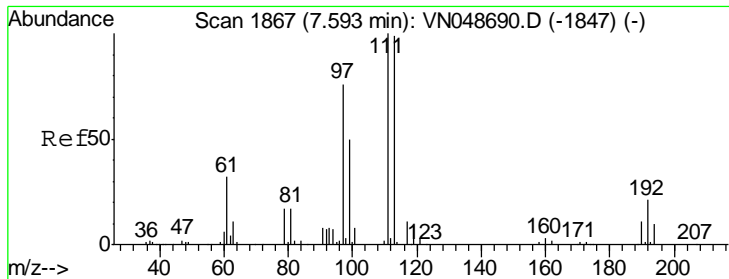
MMDadoda
 5/31/2018 11:12:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

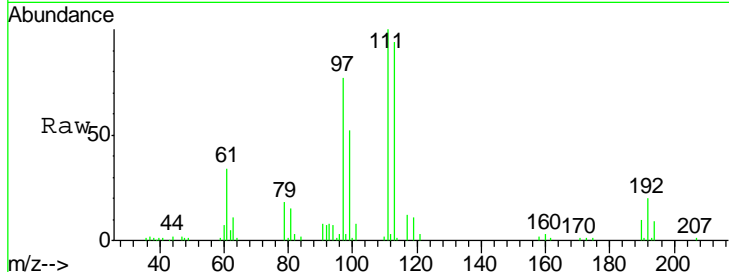
Tgt Ion	Resp	Lower	Upper
114	472254		
114	100		
63	20.4	0.0	40.0
88	15.4	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 16.67 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

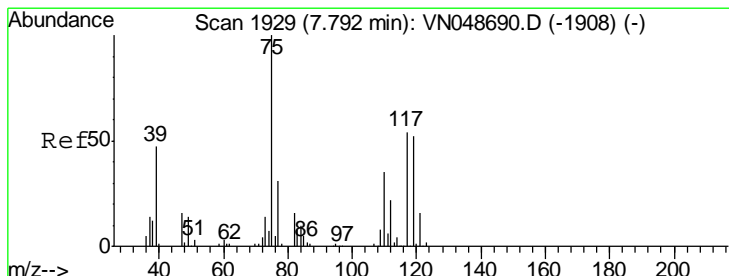
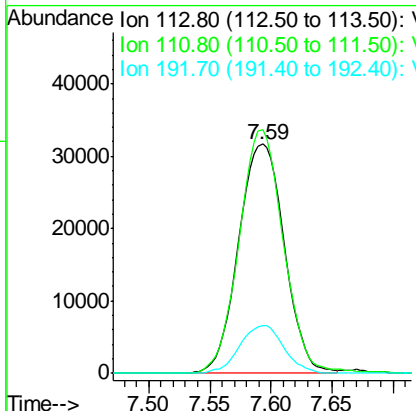
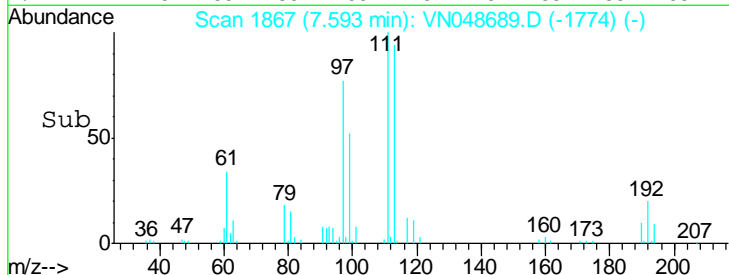


Tgt Ion: 113 Resp: 82539

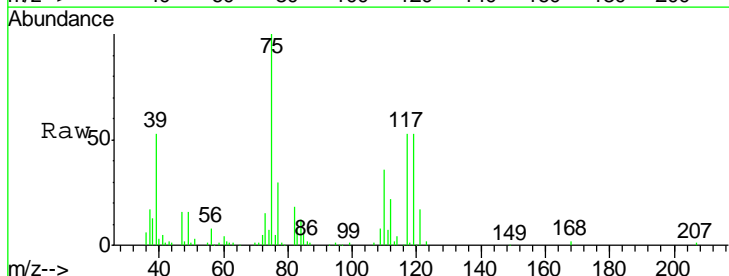
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.7	122.5
192	20.0	17.6	26.4

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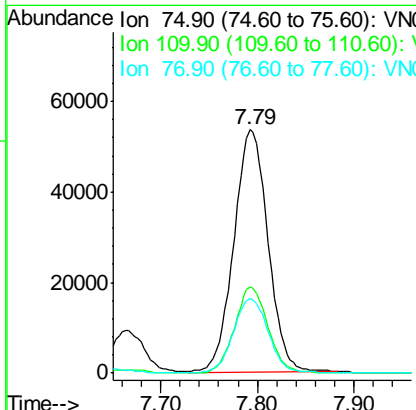
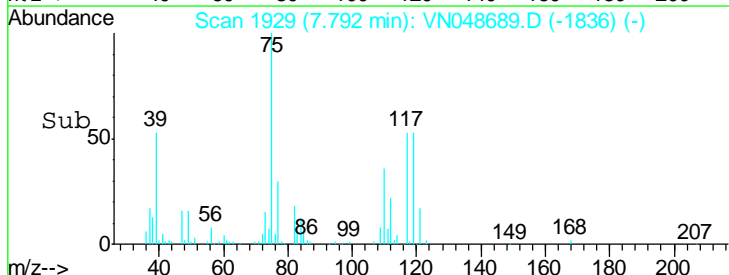


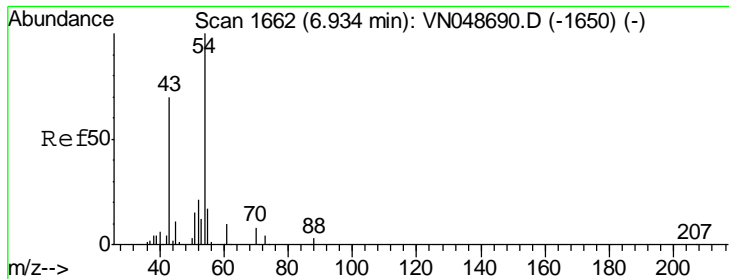
#36
 1,1-Dichloropropene
 Concen: 18.97 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39



Tgt Ion: 75 Resp: 131499

Ion	Ratio	Lower	Upper
75	100		
110	34.7	18.4	55.0
77	31.5	25.0	37.4





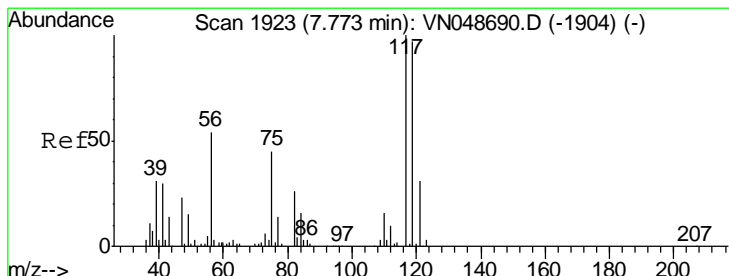
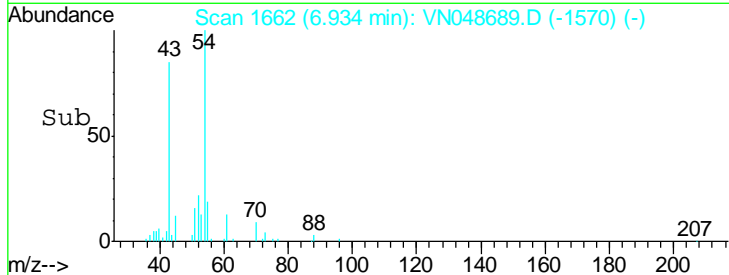
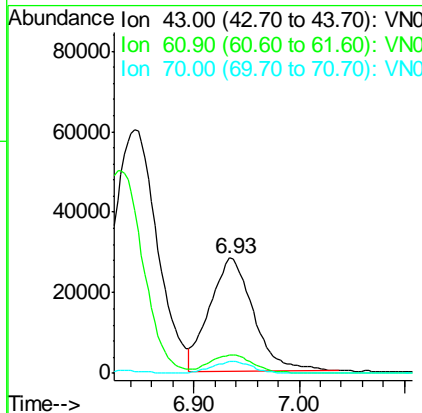
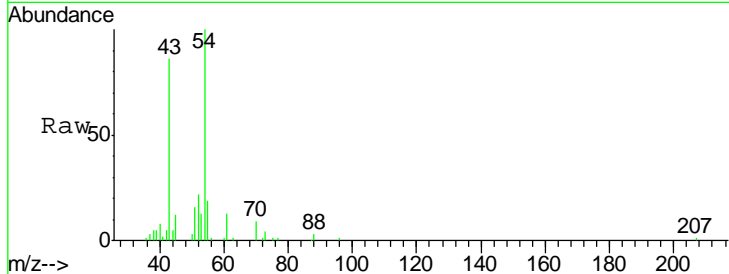
#37
 Ethyl Acetate
 Concen: 14.11 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
61	16.3	11.4	17.2
70	9.8	8.6	12.8

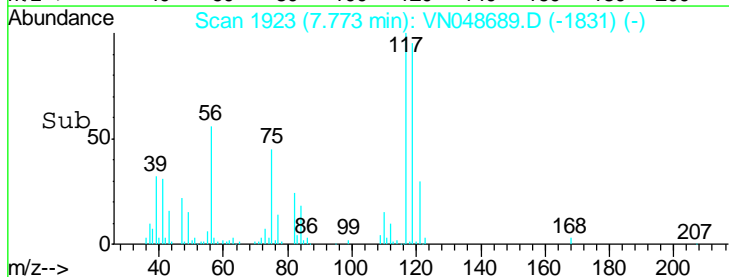
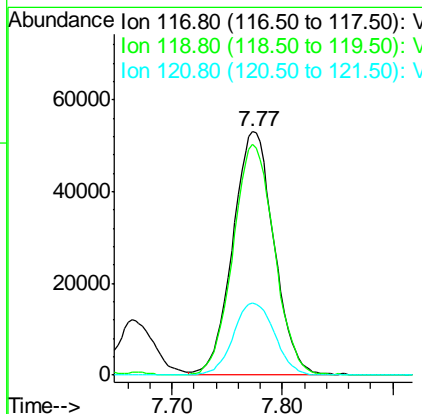
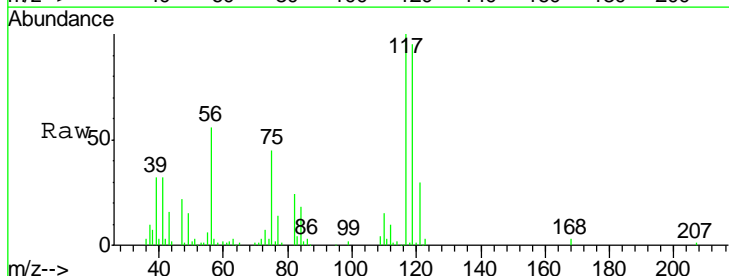
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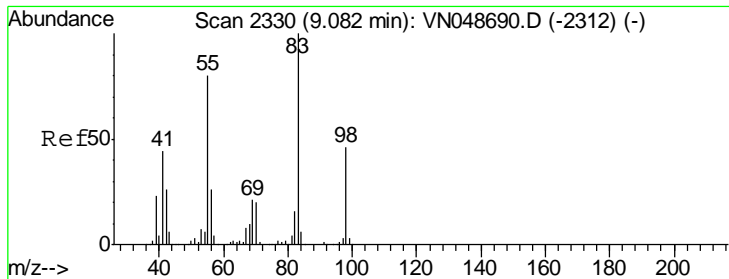
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#38
 Carbon Tetrachloride
 Concen: 19.00 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
117	100		
119	94.7	78.0	117.0
121	29.8	24.5	36.7





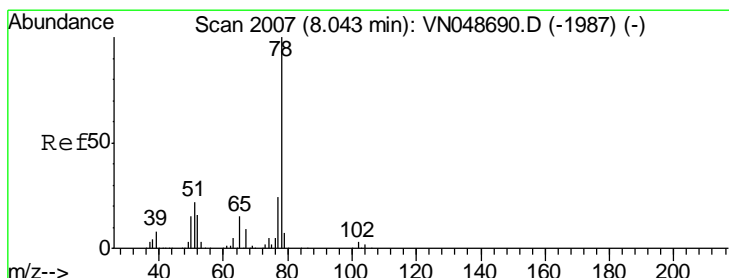
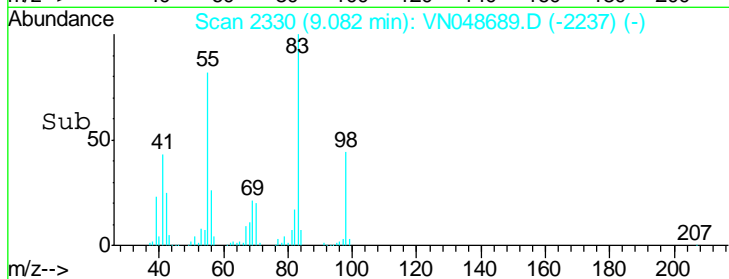
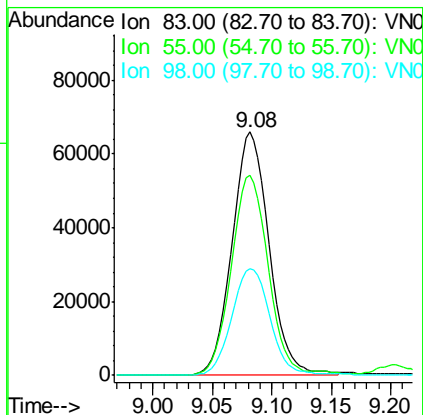
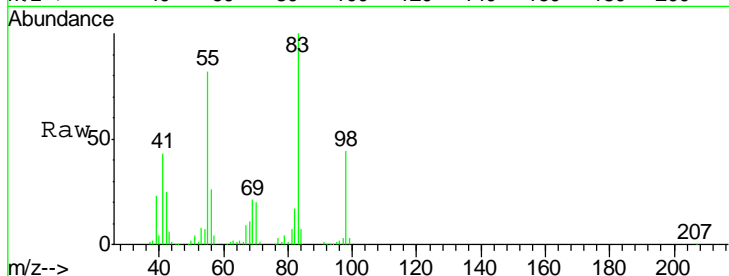
#39
 Methylcyclohexane
 Concen: 18.57 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	142529		
83	100		
55	82.3	61.7	92.5
98	44.0	36.8	55.2

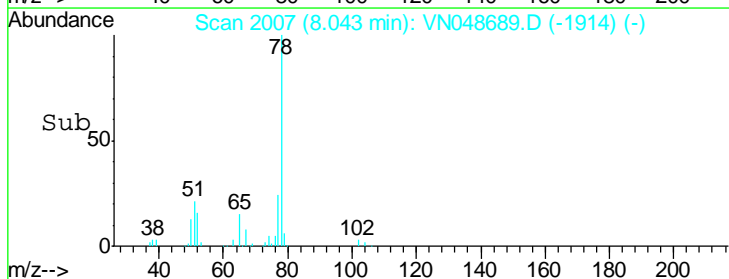
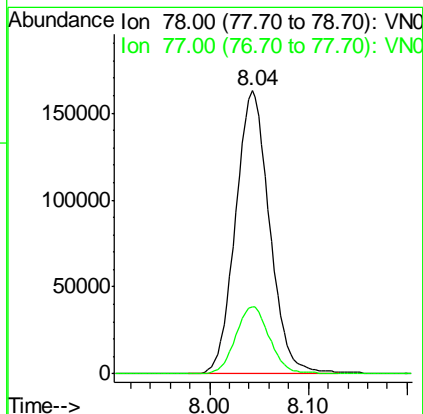
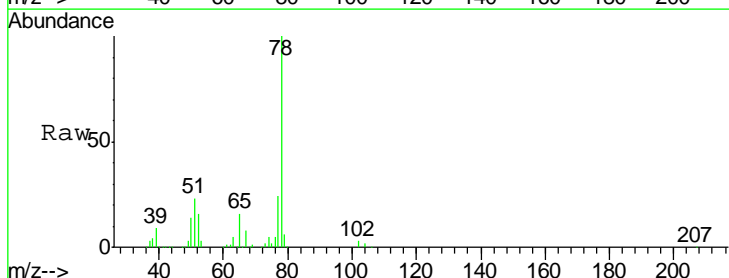
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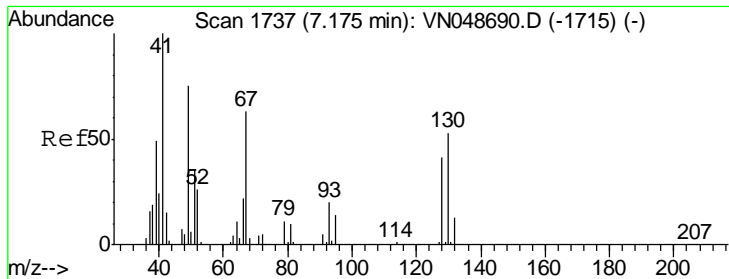
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#40
 Benzene
 Concen: 18.71 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
78	388256		
78	100		
77	23.9	18.7	28.1





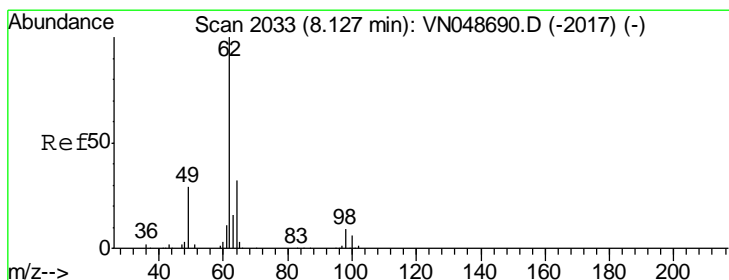
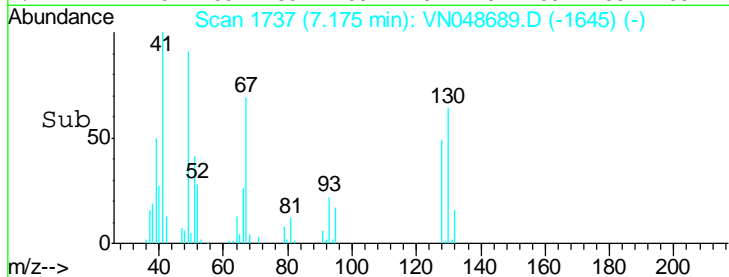
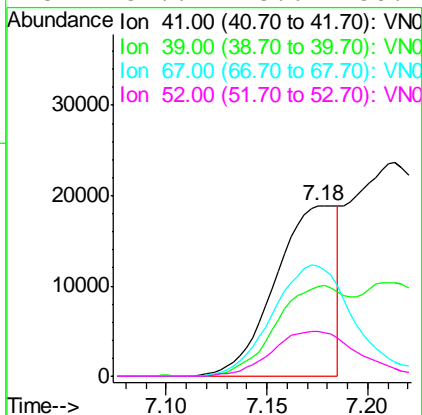
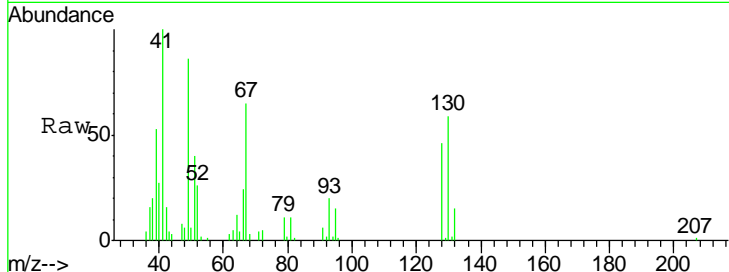
#41
 Methacrylonitrile
 Concen: 13.07 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
41	100		
39	64.9	47.4	71.2
67	87.4	62.4	93.6
52	37.6	25.6	38.4

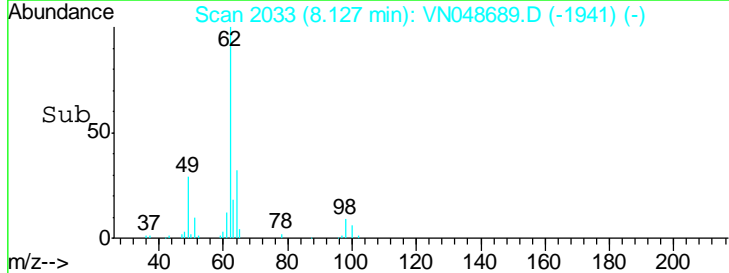
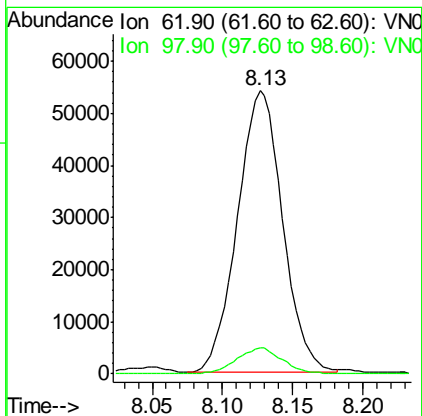
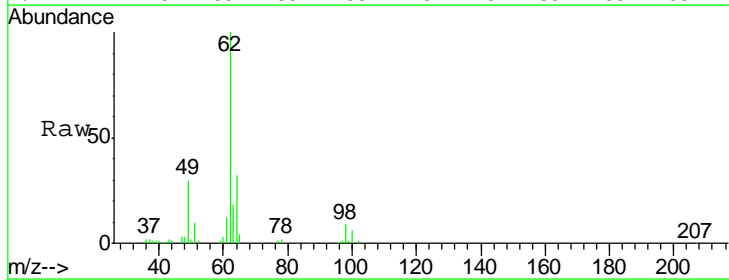
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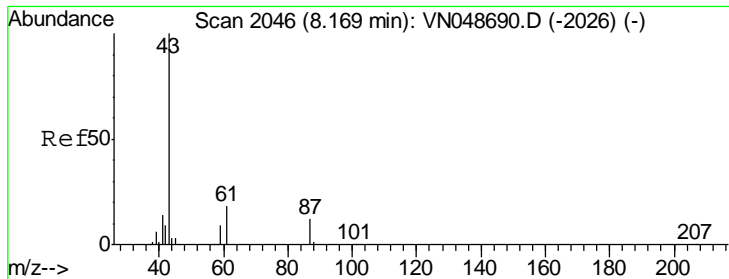
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#42
 1,2-Dichloroethane
 Concen: 17.87 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.3	0.0	18.2





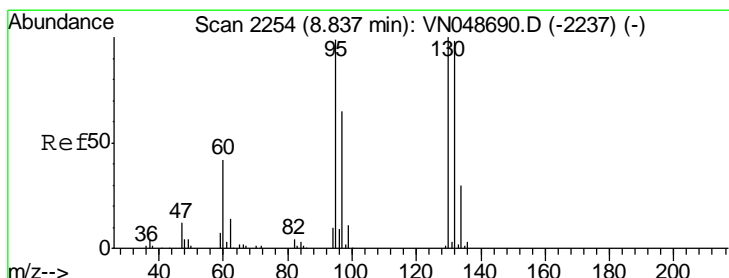
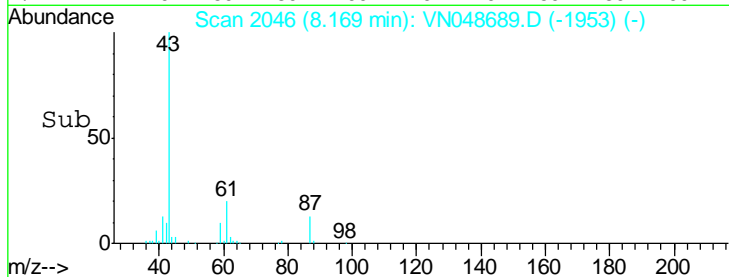
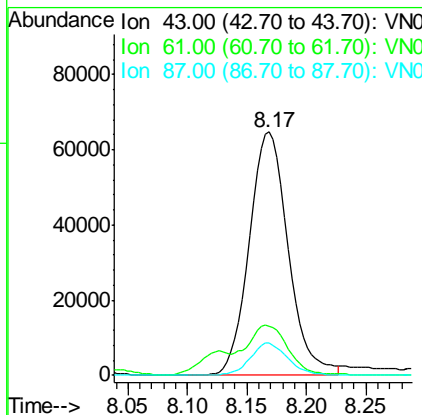
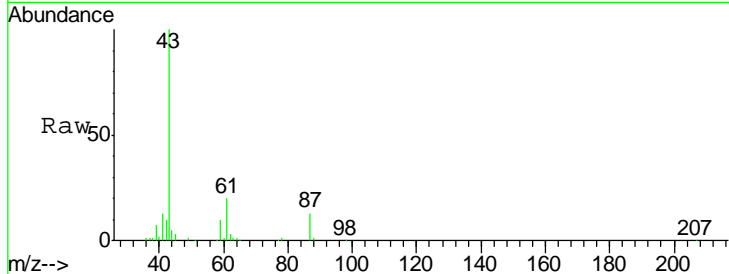
#43
 Isopropyl Acetate
 Concen: 14.73 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	147560		
61	19.3	22.2	33.2#
87	12.8	10.6	15.8

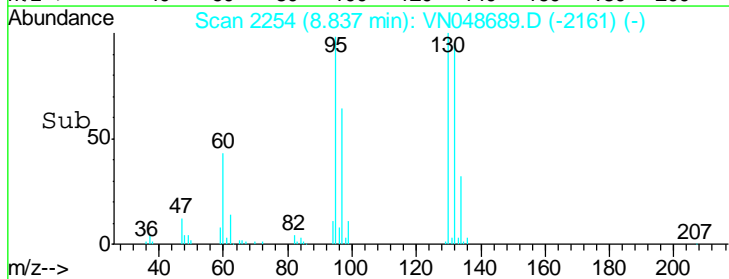
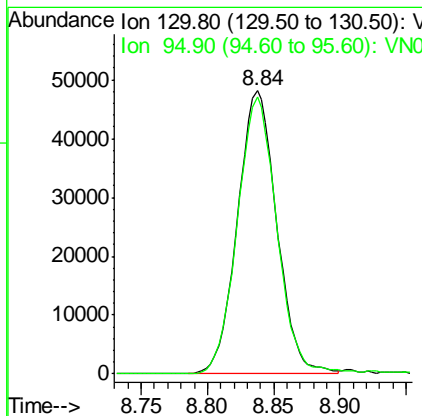
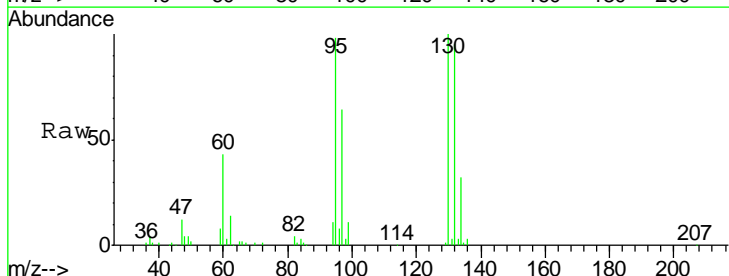
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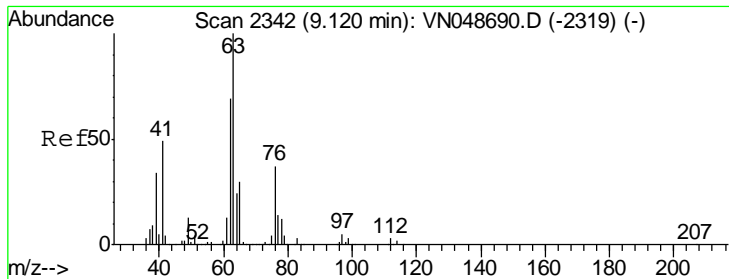
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#44
 Trichloroethene
 Concen: 18.96 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
130	99165		
95	97.8	0.0	191.6





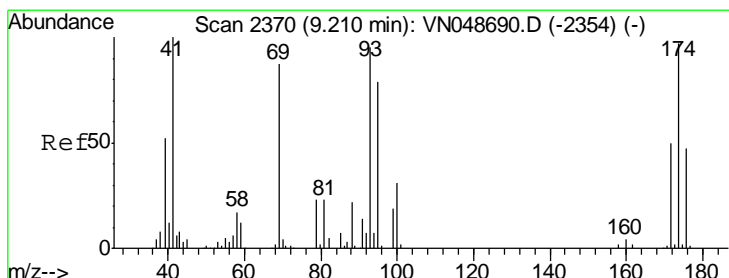
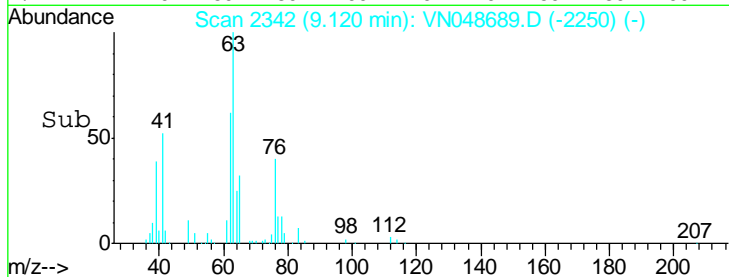
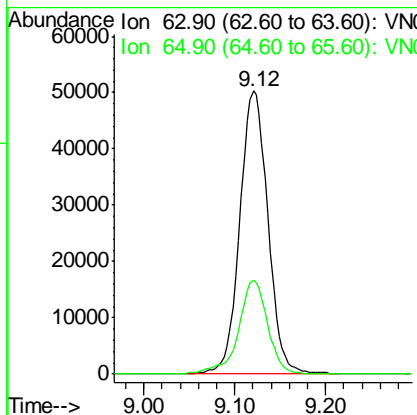
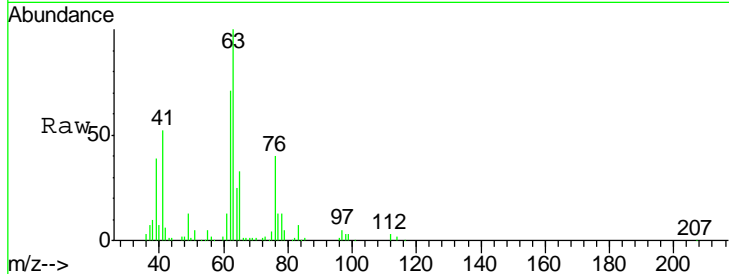
#45
 1,2-Dichloropropane
 Concen: 19.21 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
63	108270		
65	33.0	23.9	35.9

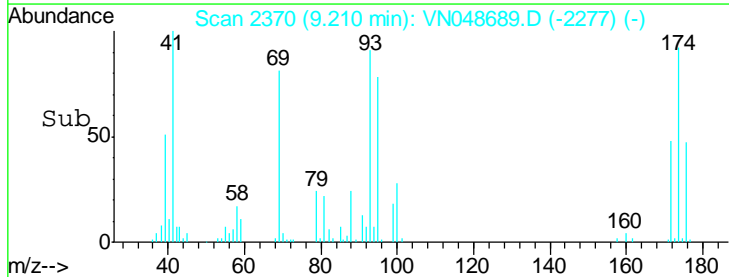
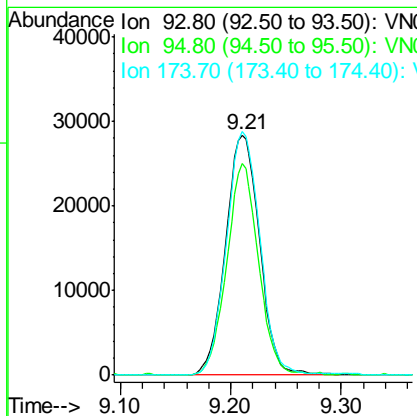
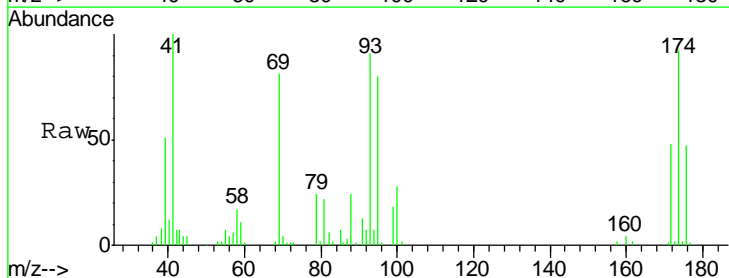
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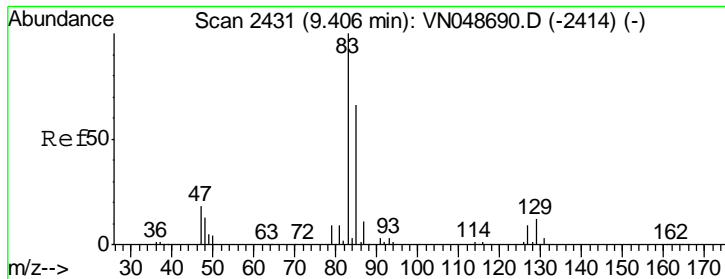
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#46
 Dibromomethane
 Concen: 17.57 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
93	60645		
95	82.6	66.7	100.1
174	99.8	87.7	131.5





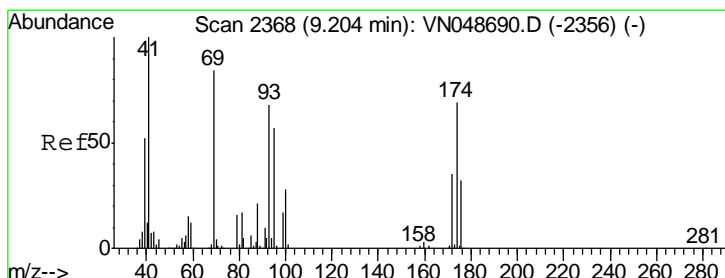
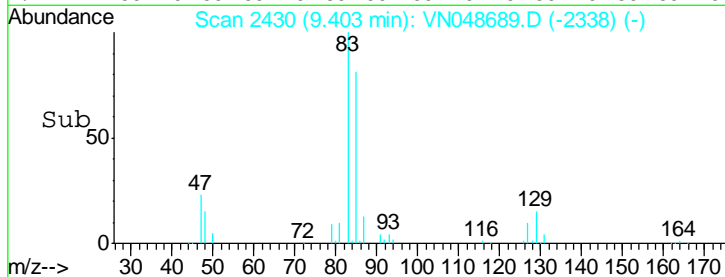
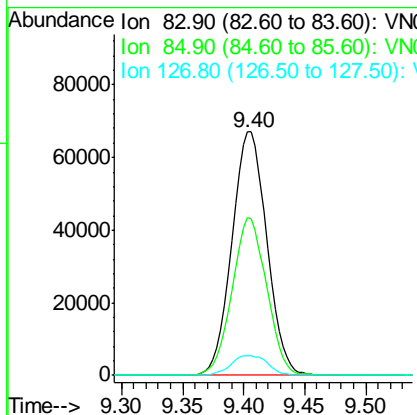
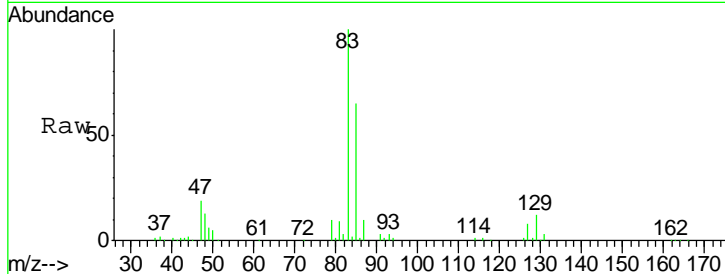
#47
 Bromodichloromethane
 Concen: 18.98 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	133382		
85	64.9	52.1	78.1
127	8.0	7.3	10.9

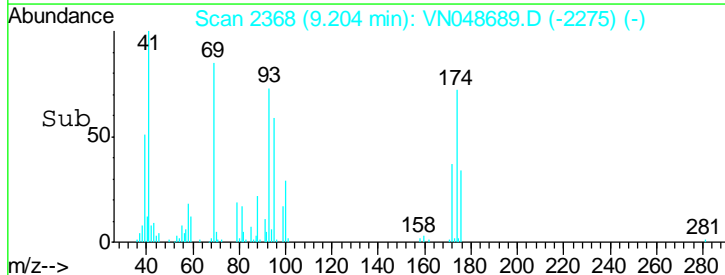
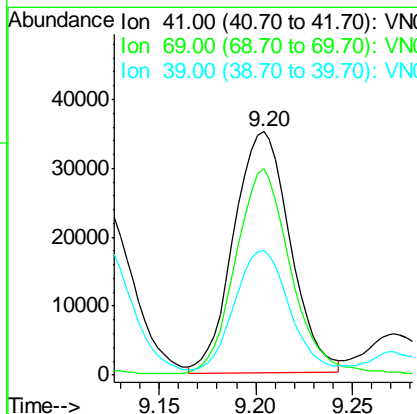
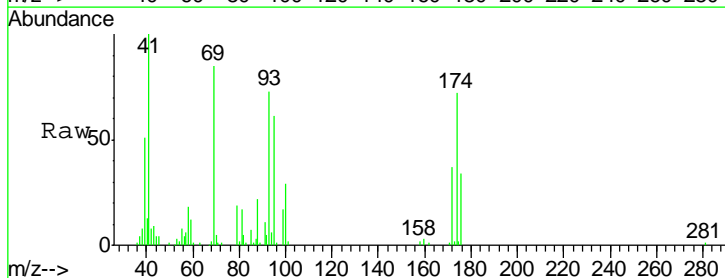
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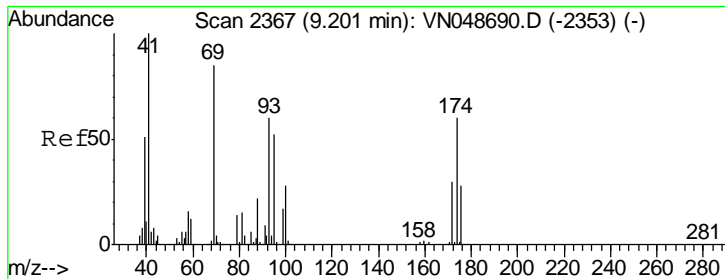
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#48
 Methyl methacrylate
 Concen: 14.67 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
41	71418		
69	82.8	68.6	103.0
39	51.4	42.3	63.5





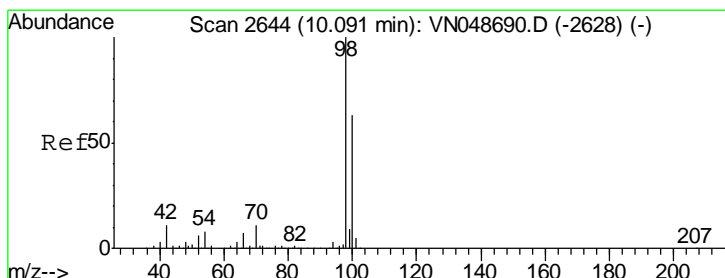
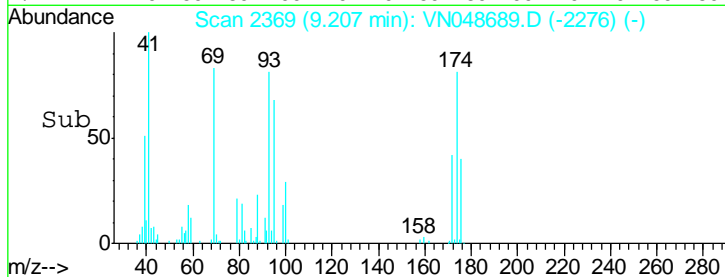
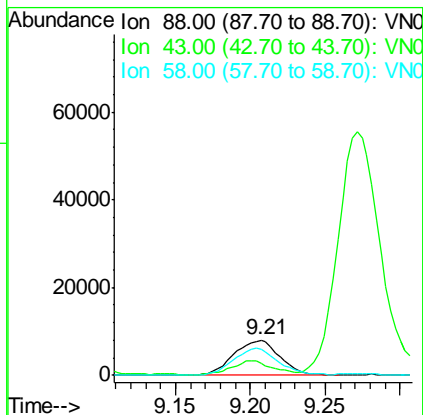
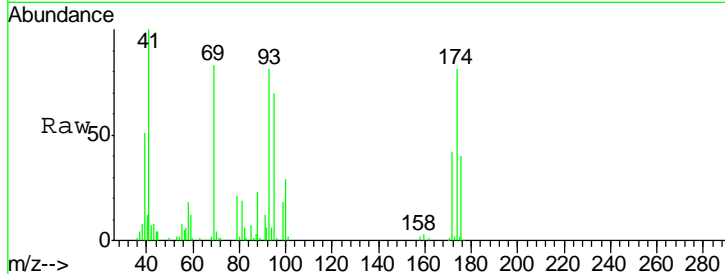
#49
 1,4-Dioxane
 Concen: 266.98 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
88	17193		
88	100		
43	39.2	27.6	41.4
58	75.9	57.0	85.6

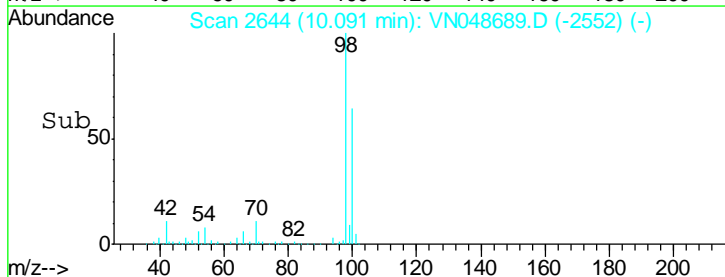
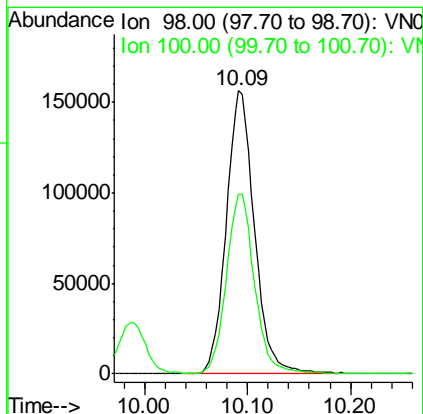
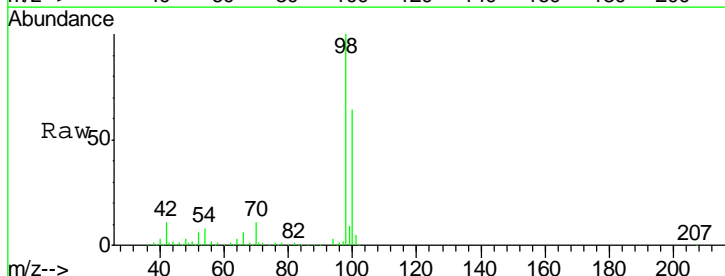
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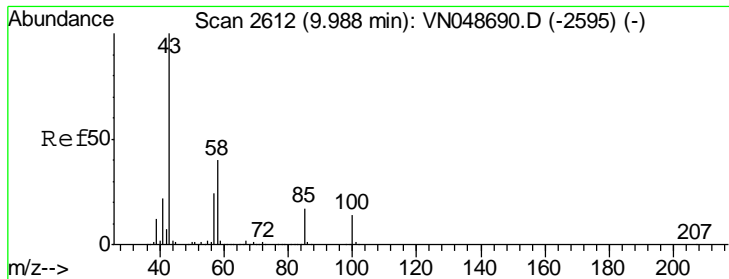
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#50
 Toluene-d8
 Concen: 16.17 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
98	297771		
98	100		
100	63.9	51.2	76.8





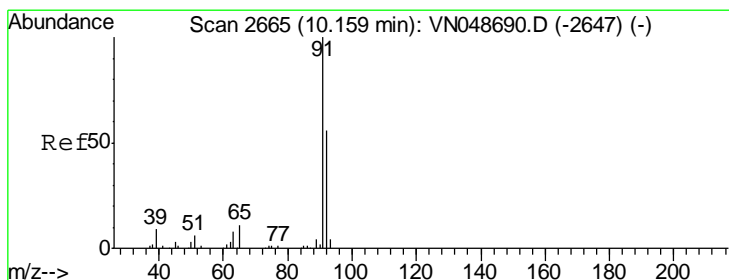
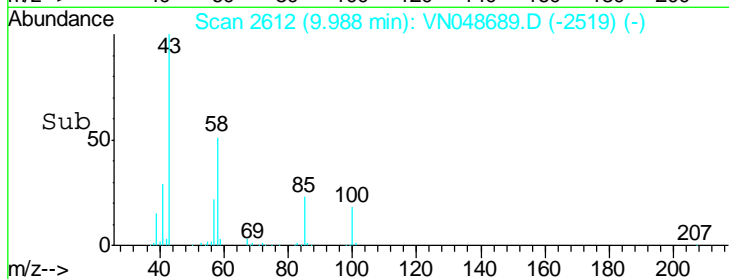
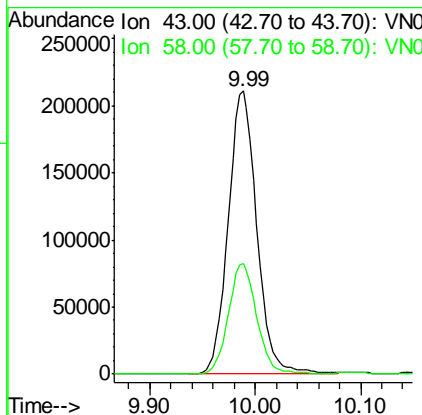
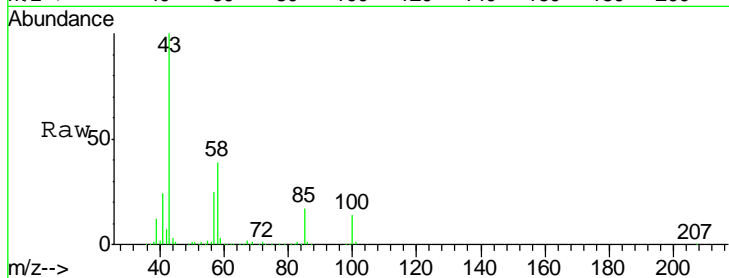
#51
 4-Methyl-2-Pentanone
 Concen: 68.60 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.8	31.0	46.6

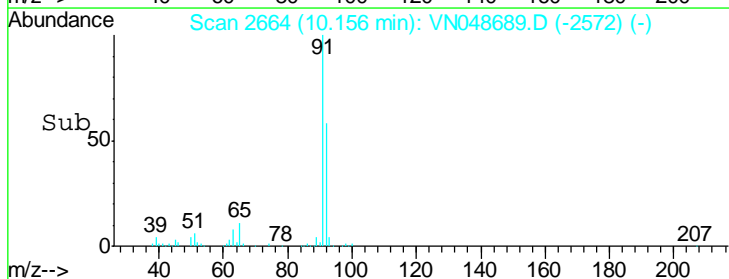
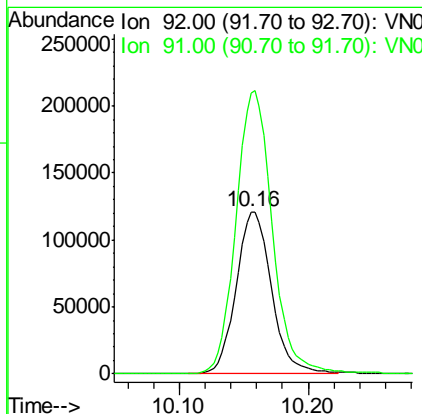
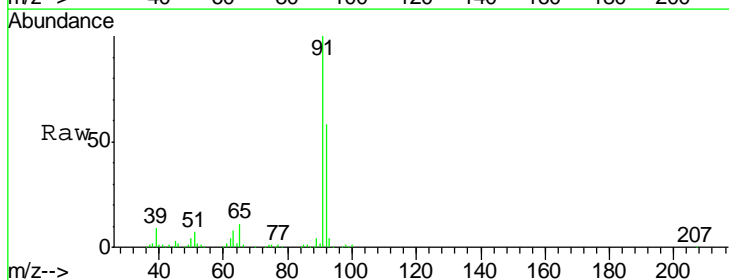
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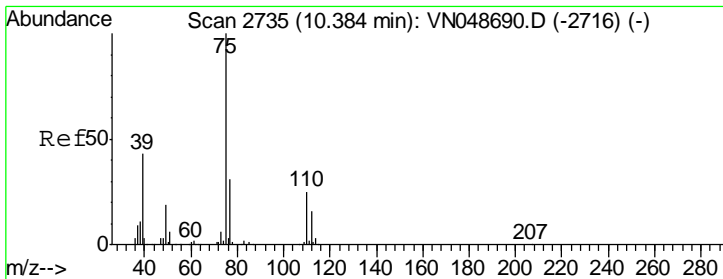
MMDadoda
 5/31/2018 11:12:35 AM



#52
 Toluene
 Concen: 18.83 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
92	100		
91	179.6	141.0	211.4





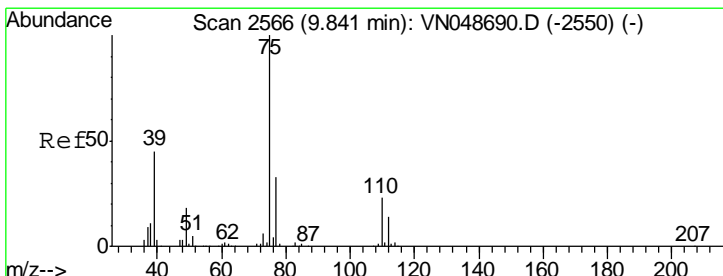
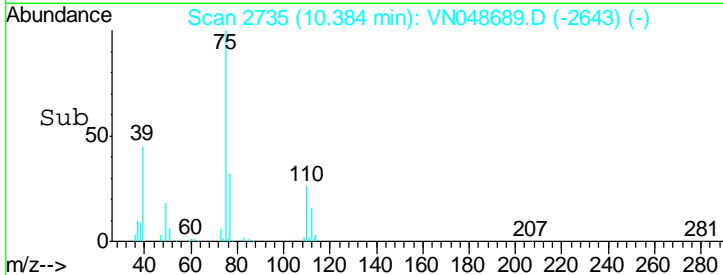
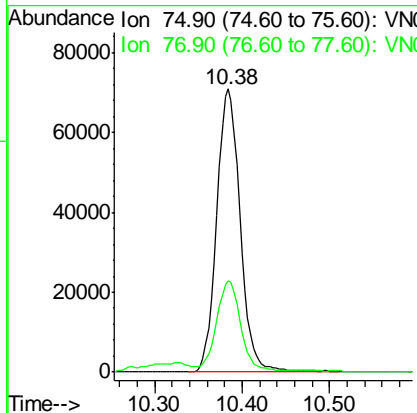
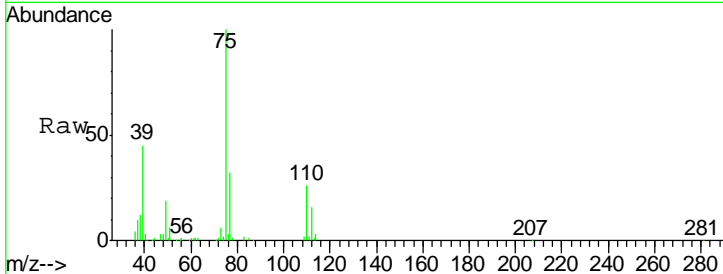
#53
 t-1,3-Dichloropropene
 Concen: 18.32 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	100		
77	32.0	24.9	37.3

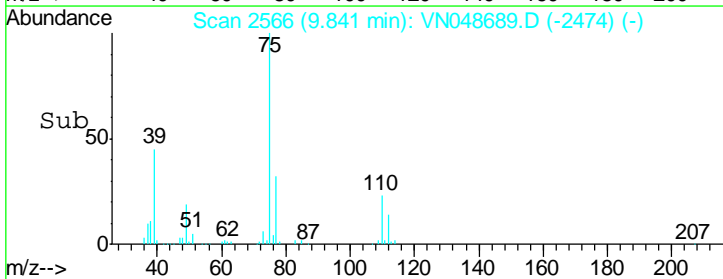
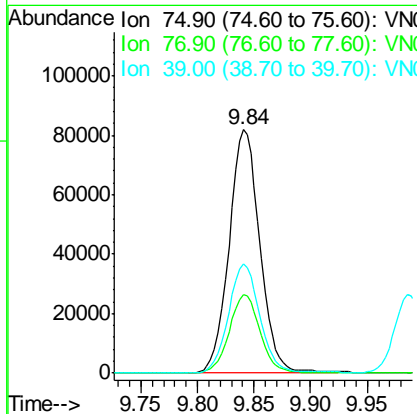
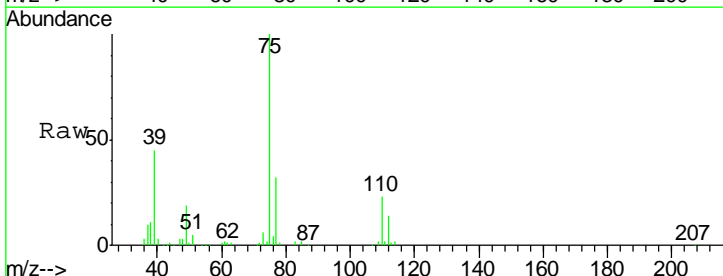
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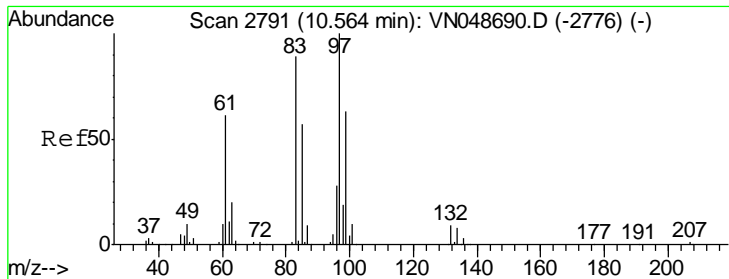
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.18 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
75	100		
77	32.2	25.1	37.7
39	44.5	36.7	55.1





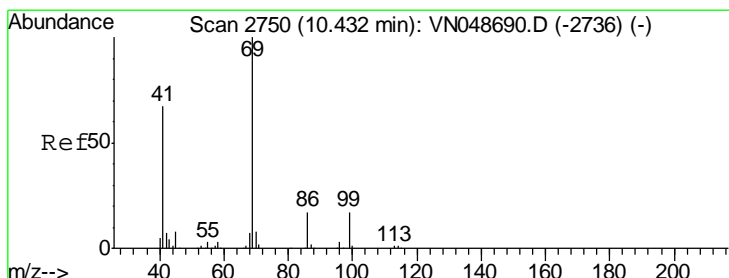
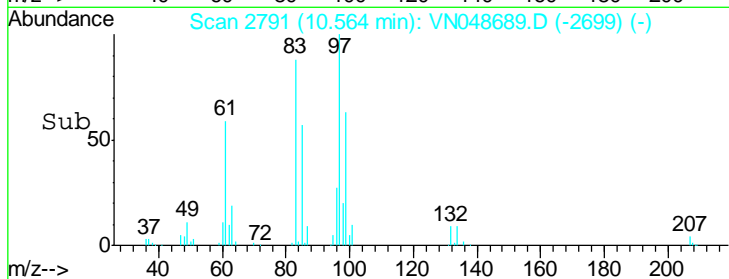
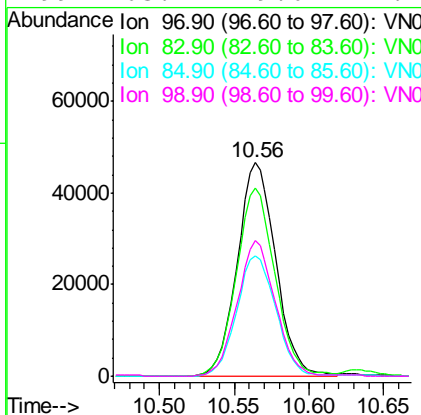
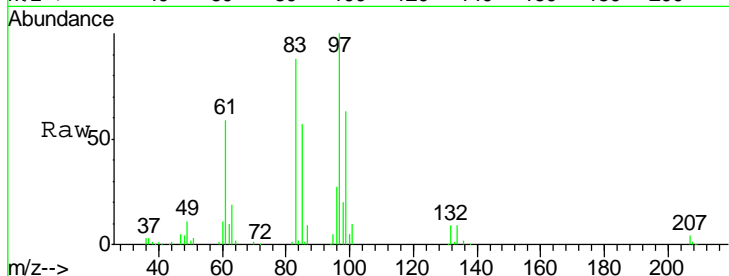
#55
 1,1,2-Trichloroethane
 Concen: 17.45 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
97	83519		
97	100		
83	88.1	68.7	103.1
85	56.5	43.4	65.2
99	63.4	49.6	74.4

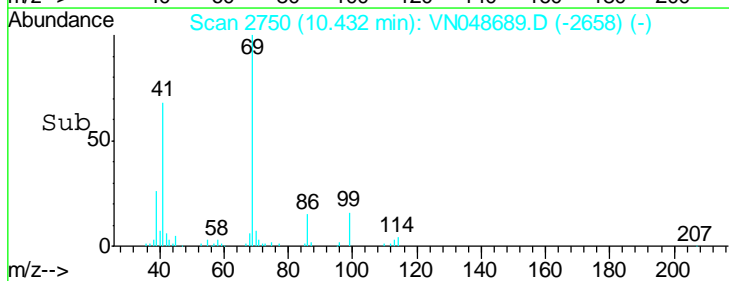
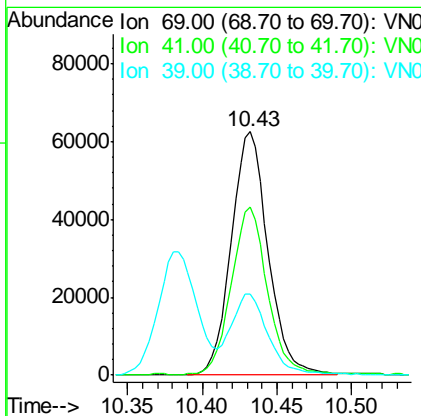
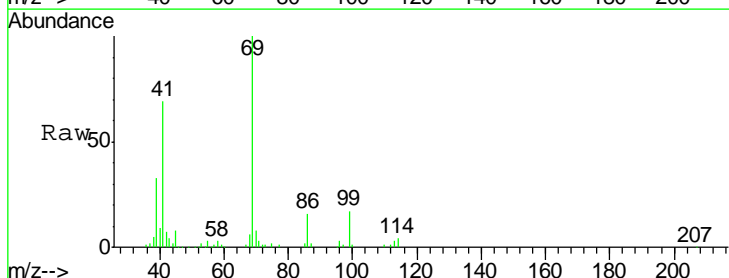
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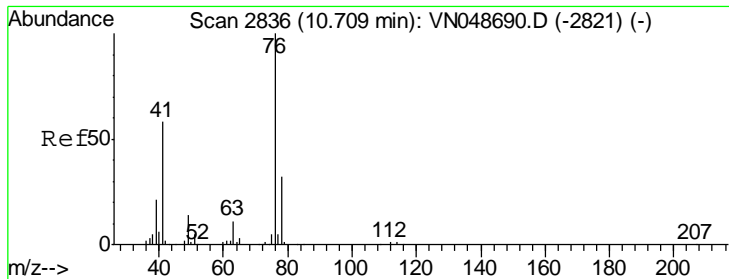
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#56
 Ethyl methacrylate
 Concen: 16.06 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
69	107114		
69	100		
41	67.1	52.3	78.5
39	34.5	26.4	39.6





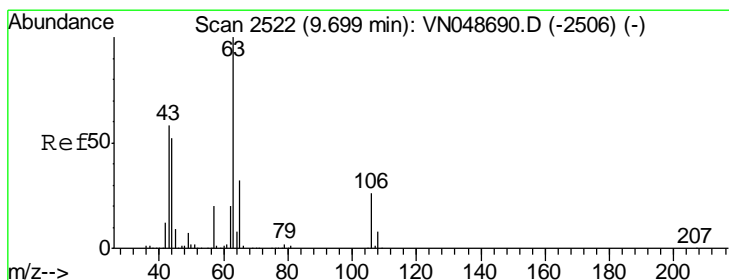
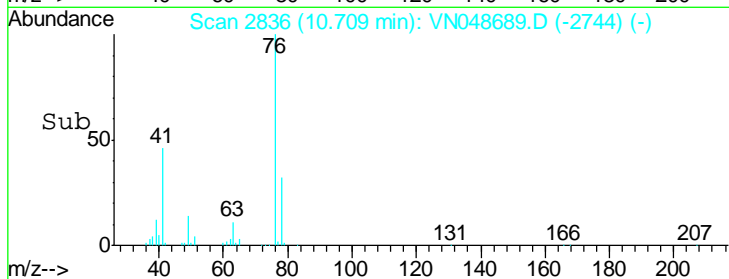
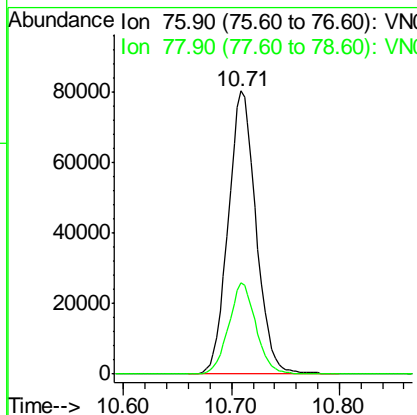
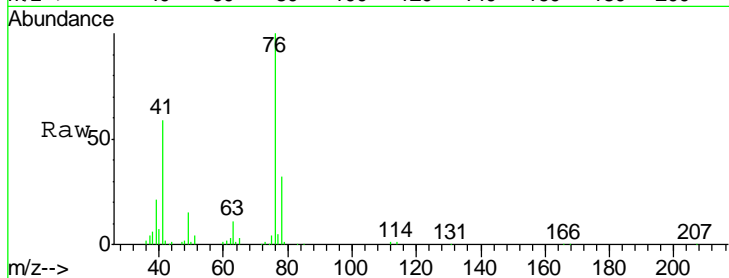
#57
 1,3-Dichloropropane
 Concen: 17.59 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	145012		
76	100		
78	31.5	25.7	38.5

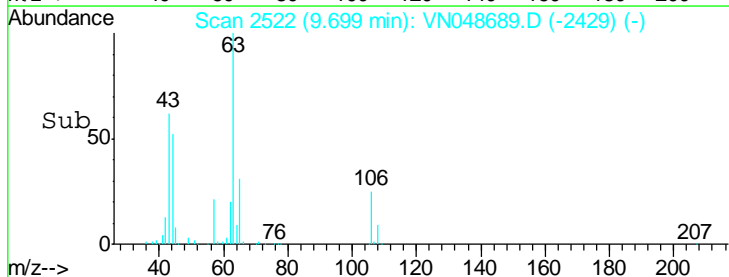
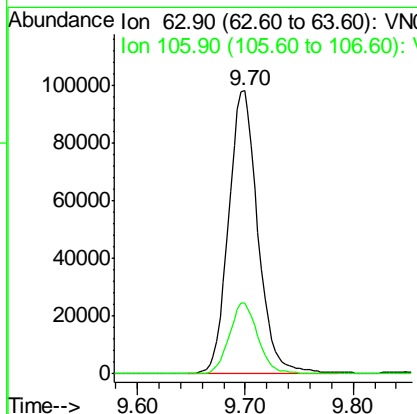
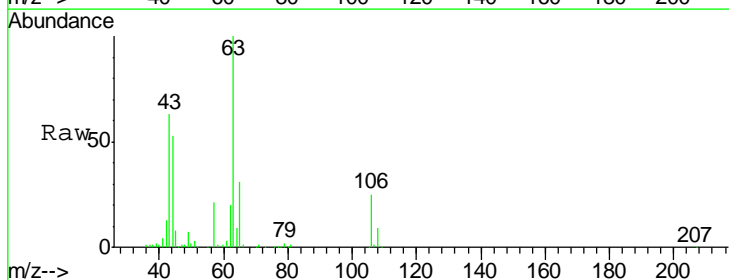
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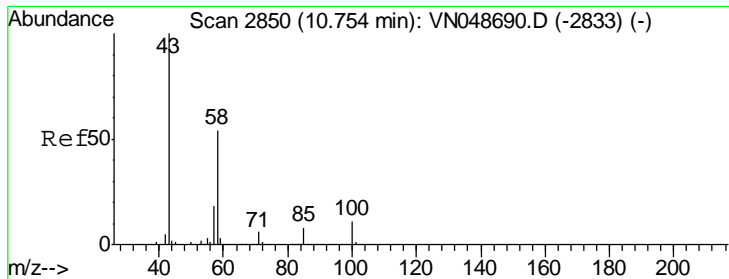
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 147.15 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
63	186449		
63	100		
106	24.6	21.3	31.9





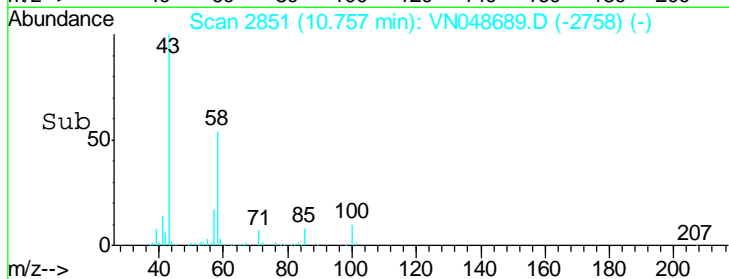
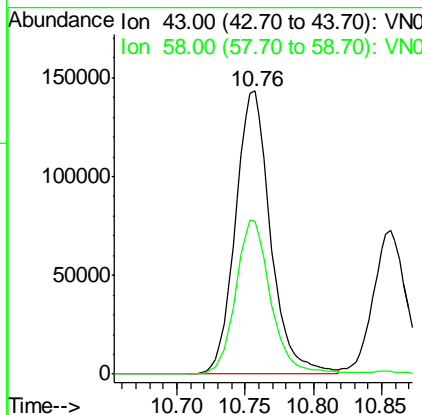
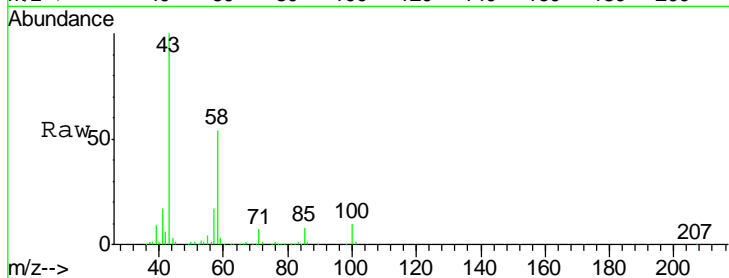
#59
 2-Hexanone
 Concen: 63.67 ug/l
 RT: 10.76 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	54.2	27.4	82.0

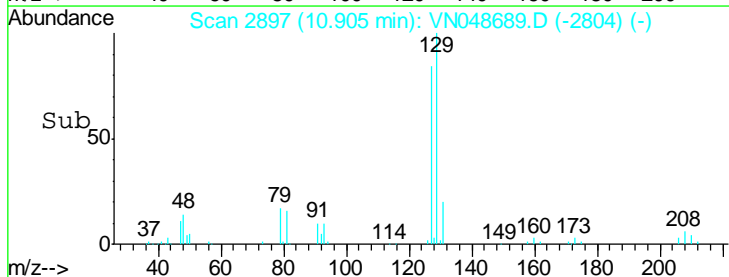
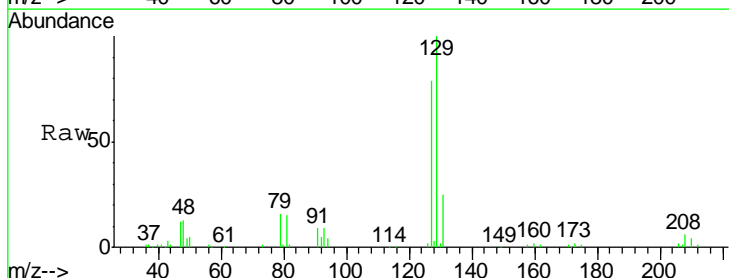
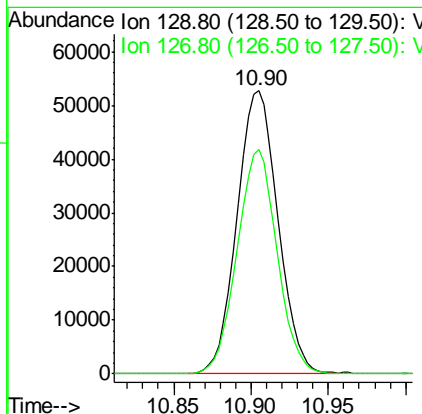
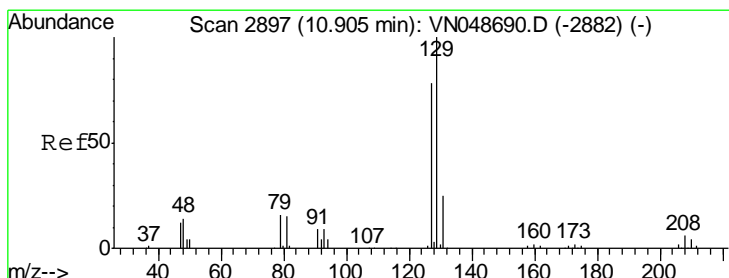
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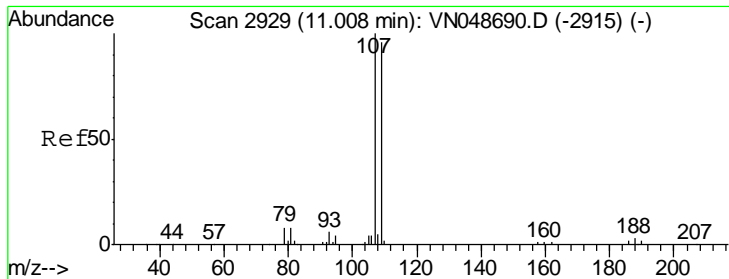
MMDadoda
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#60
 Dibromochloromethane
 Concen: 18.00 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.4	38.8	116.4





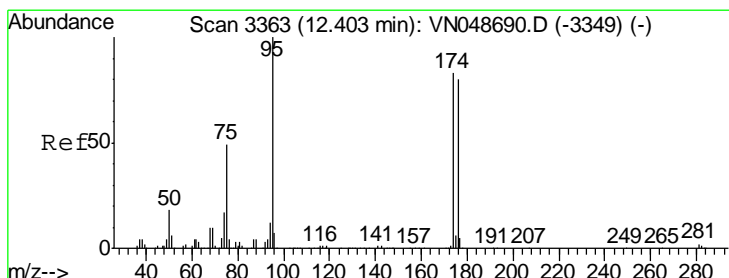
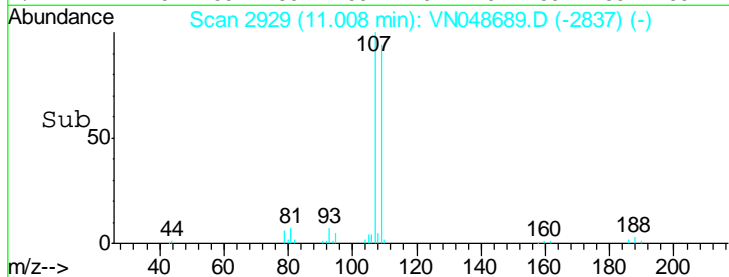
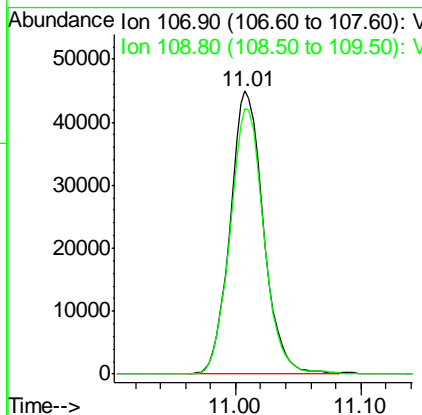
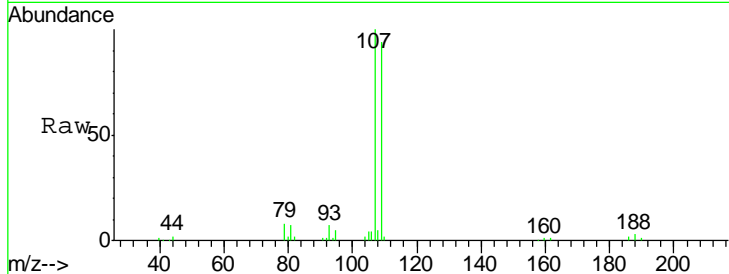
#61
 1,2-Dibromoethane
 Concen: 16.79 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
107	100		
109	95.4	74.4	111.6

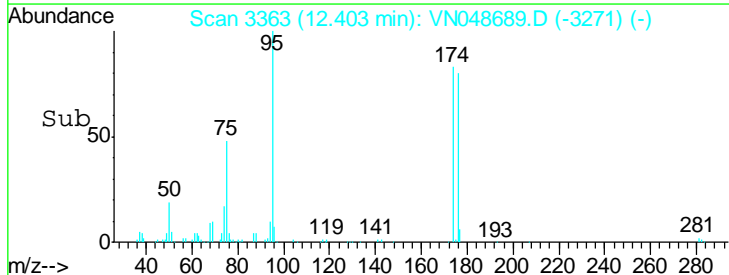
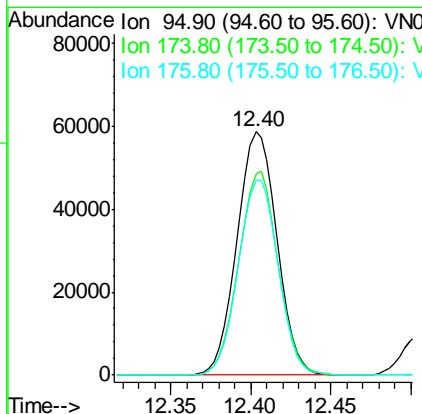
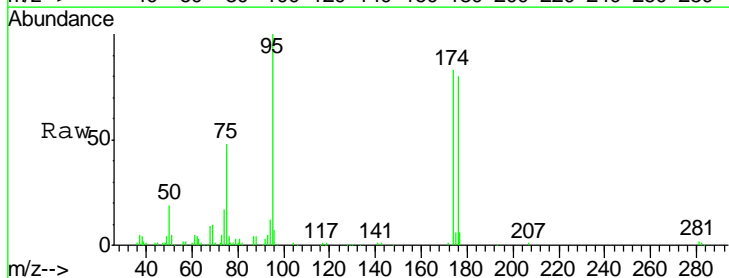
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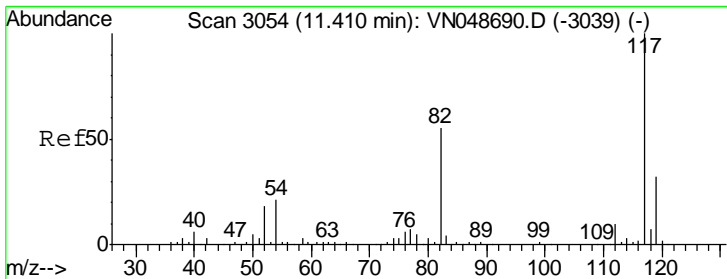
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 16.14 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
95	100		
174	82.5	0.0	173.8
176	80.2	0.0	170.0





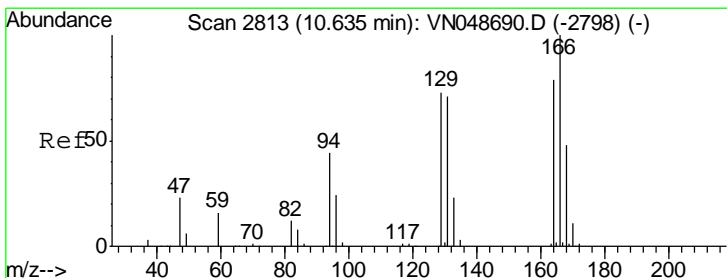
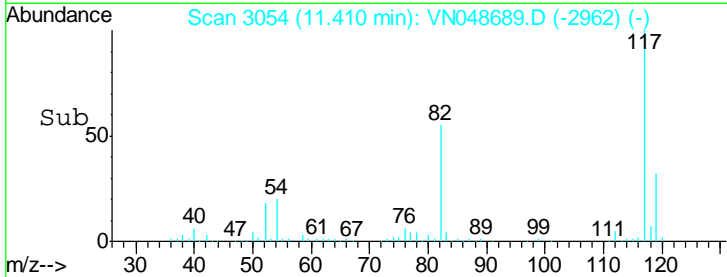
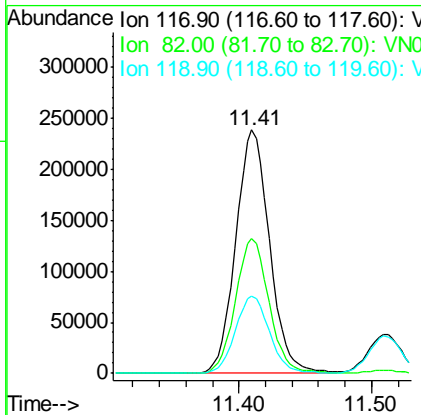
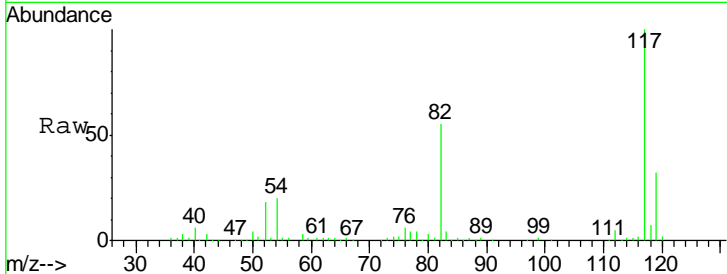
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
117	422697		
82	55.3	42.8	64.2
119	31.6	26.0	39.0

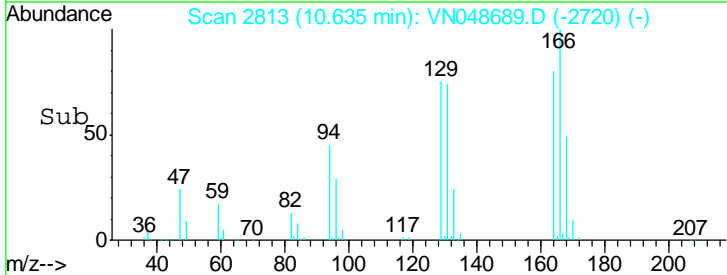
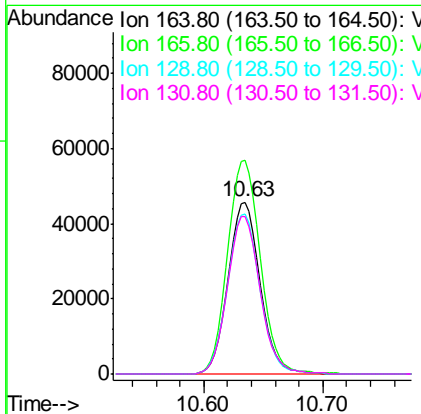
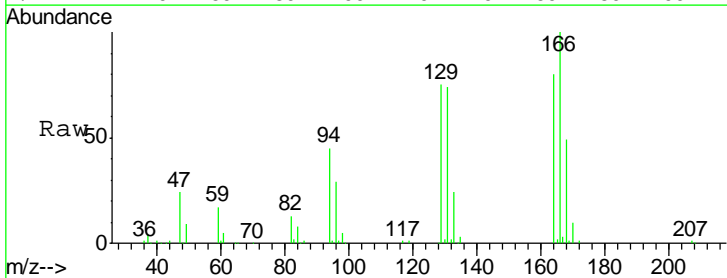
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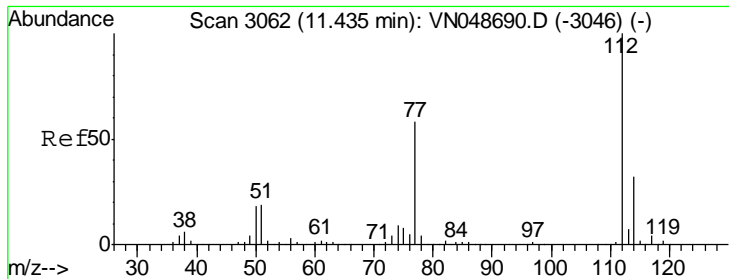
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#64
 Tetrachloroethene
 Concen: 18.35 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
164	85157		
166	124.5	102.7	154.1
129	93.4	74.3	111.5
131	91.6	71.4	107.0





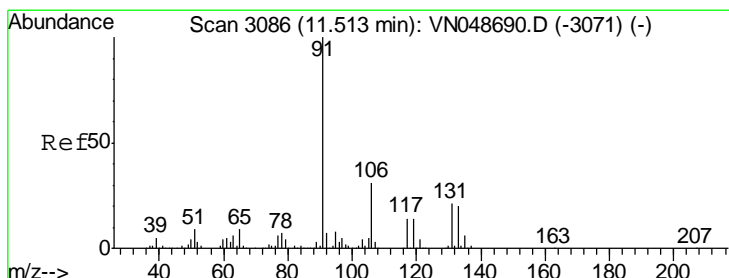
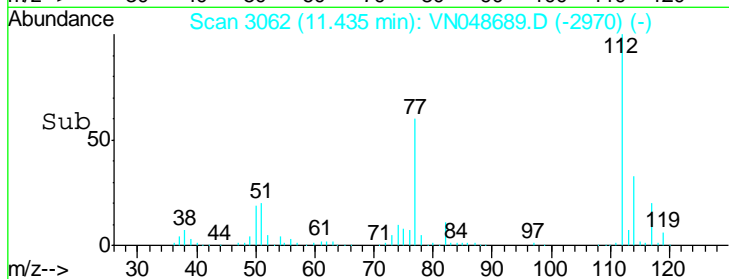
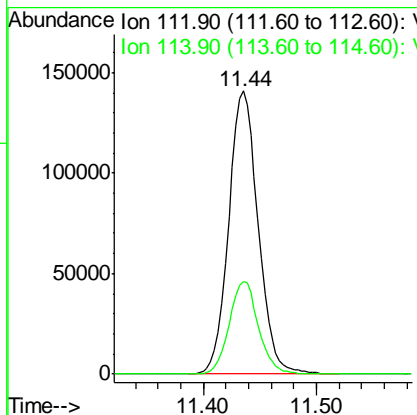
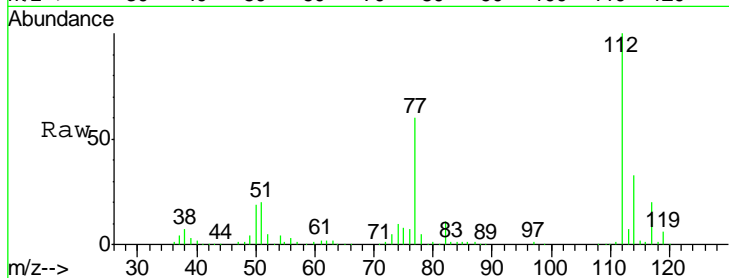
#65
 Chlorobenzene
 Concen: 19.25 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
112	255430		
114	32.9	25.6	38.4

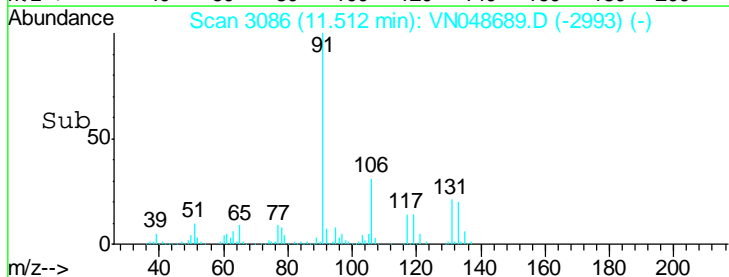
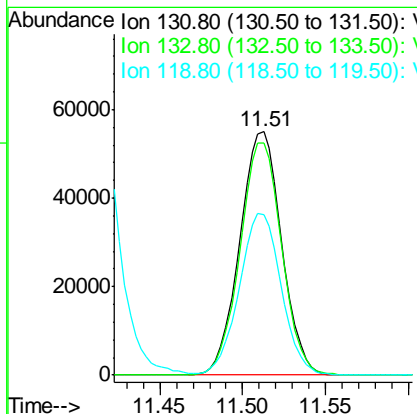
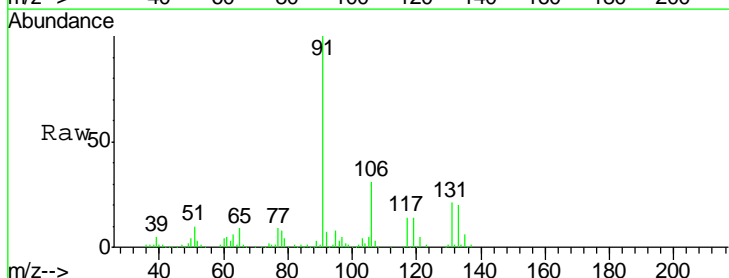
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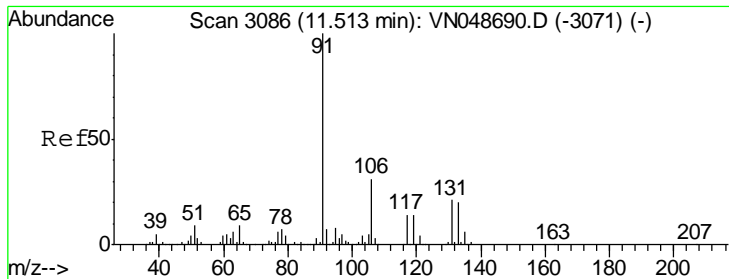
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.71 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
131	96526		
133	95.1	47.8	143.4
119	66.7	33.1	99.3





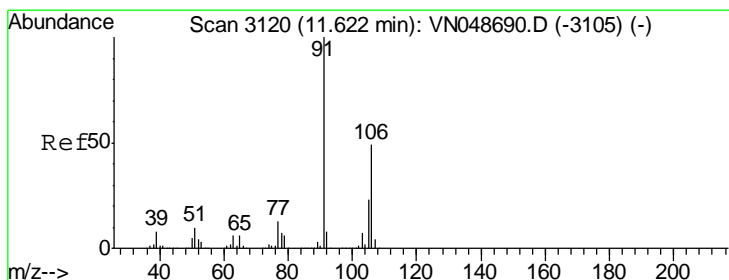
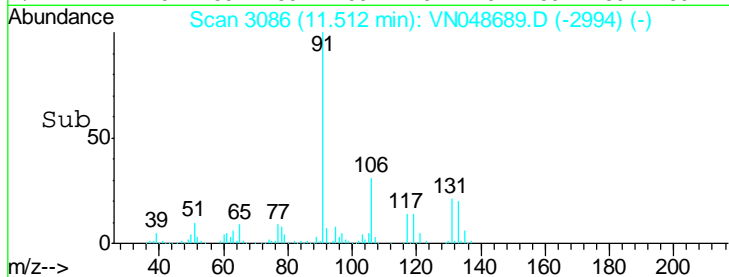
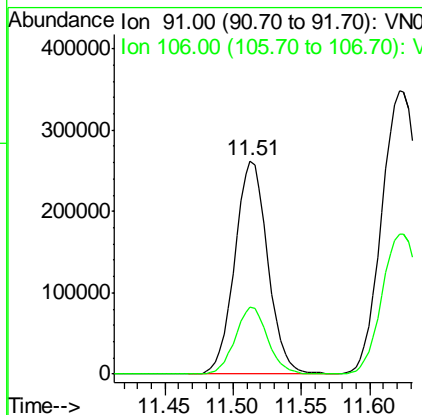
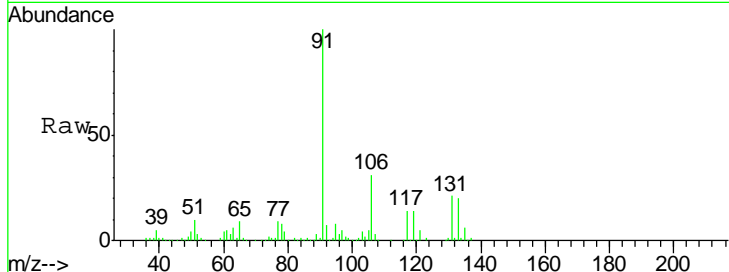
#67
Ethyl Benzene
Concen: 19.47 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN048689.D
Acq: 29 May 2018 11:39

Instrument : MSVOA_N
Client Sampled : VSTDIC020

Tgt Ion: 91 Resp: 441206
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

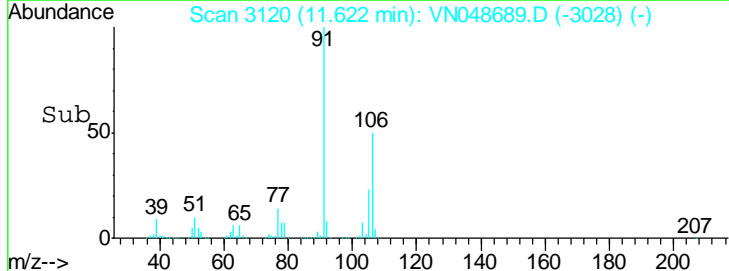
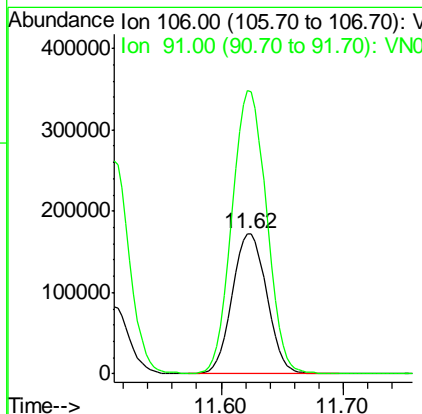
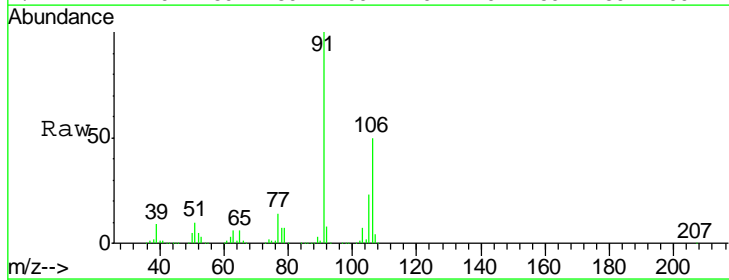
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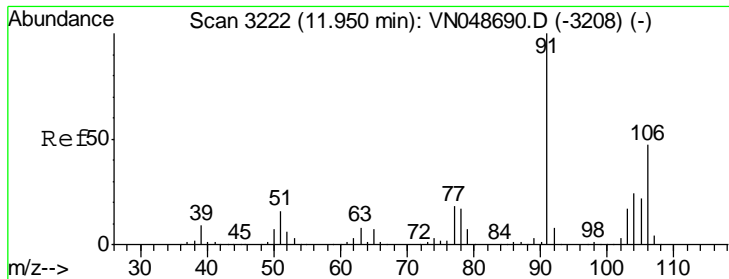
MMDadoda
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#68
m/p-Xylenes
Concen: 40.83 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN048689.D
Acq: 29 May 2018 11:39

Tgt Ion: 106 Resp: 339819
Ion Ratio Lower Upper
106 100
91 201.6 163.4 245.0





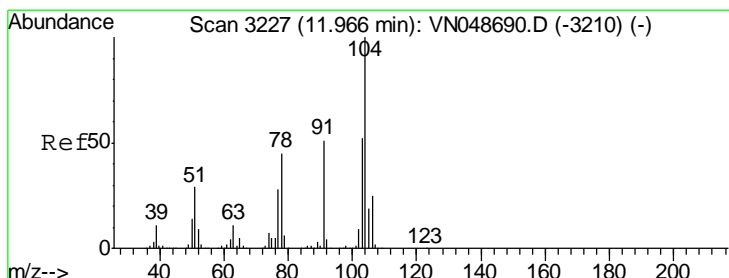
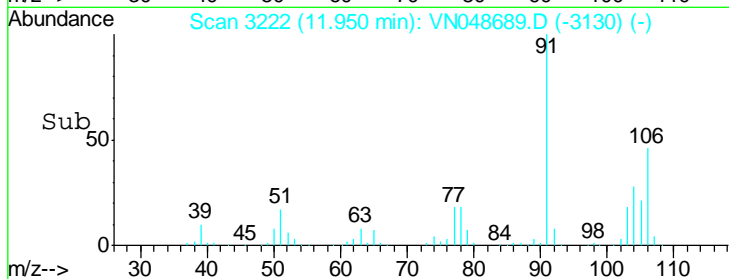
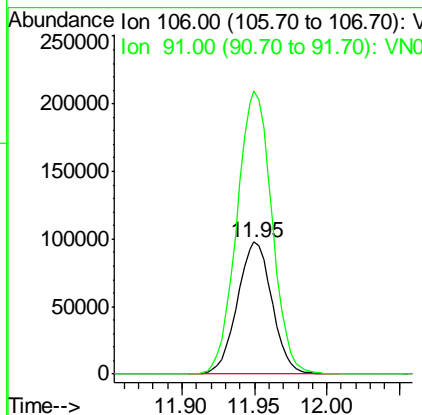
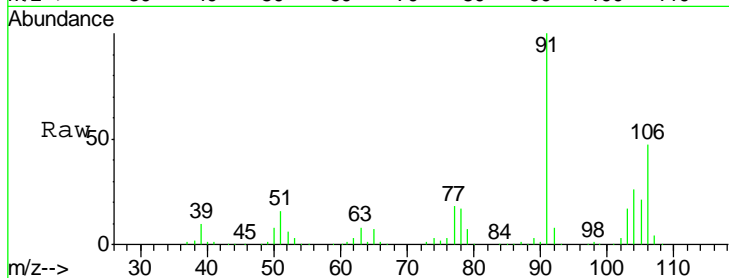
#69
 o-Xylene
 Concen: 19.87 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
106	162509		
106	100		
91	216.8	107.9	323.7

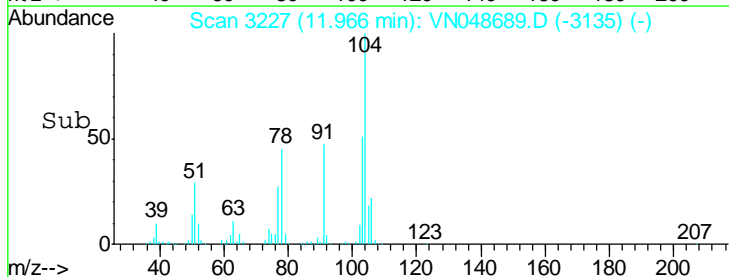
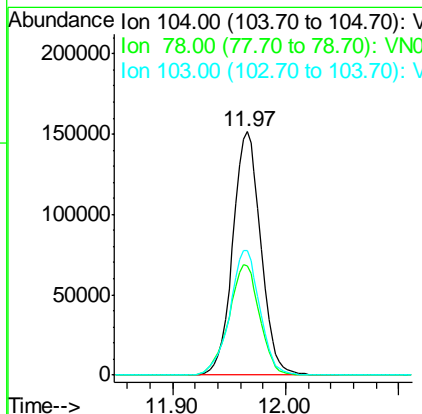
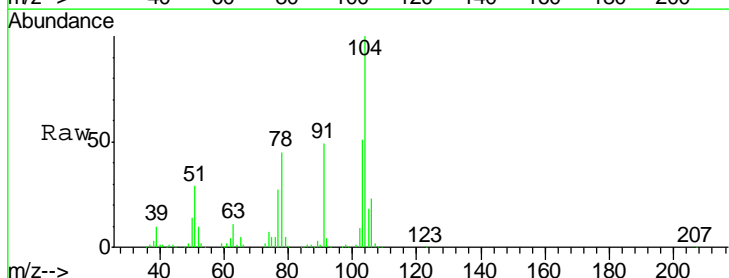
Manual Integrations
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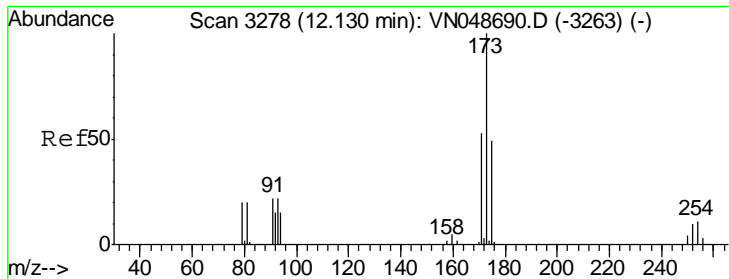
MMDadoda
 5/31/2018 11:12:35 AM



#70
 Styrene
 Concen: 20.06 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
104	260998		
104	100		
78	49.6	39.8	59.8
103	54.9	44.6	66.8





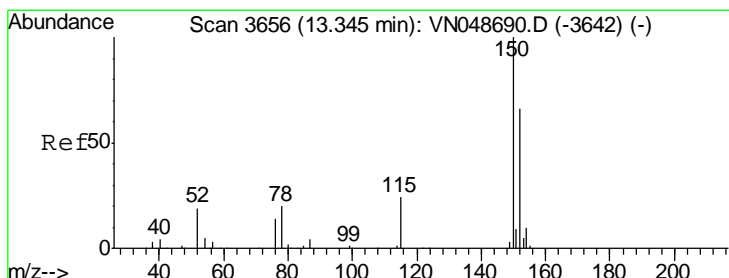
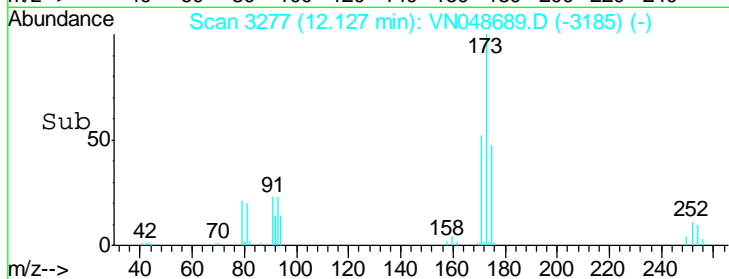
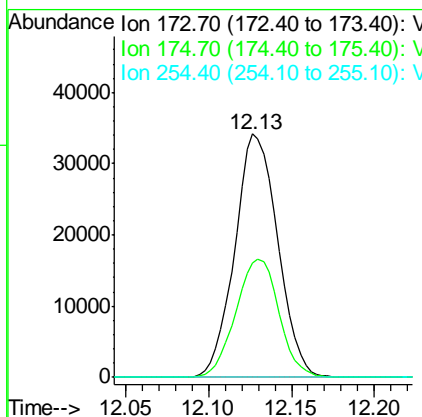
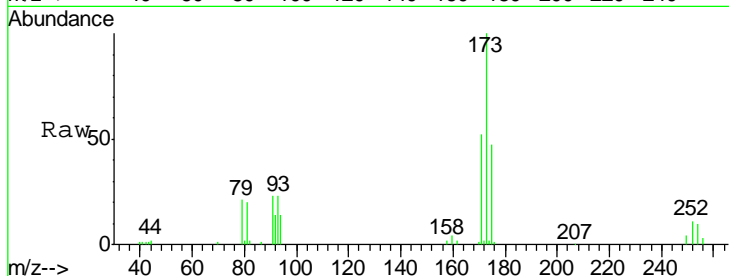
#71
 Bromoform
 Concen: 16.76 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
173	61655		
173	100		
175	48.9	23.9	71.8
254	0.0	0.0	0.0

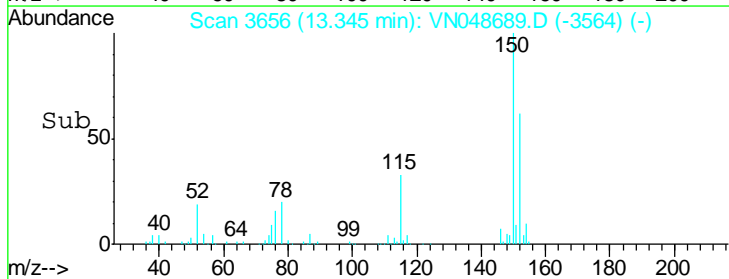
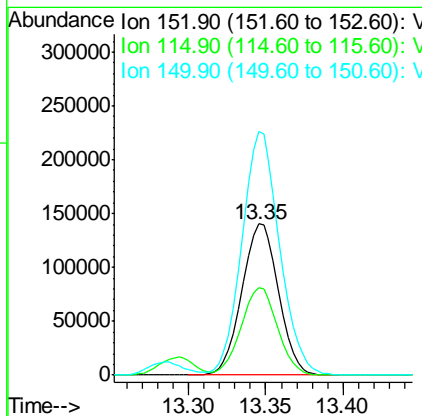
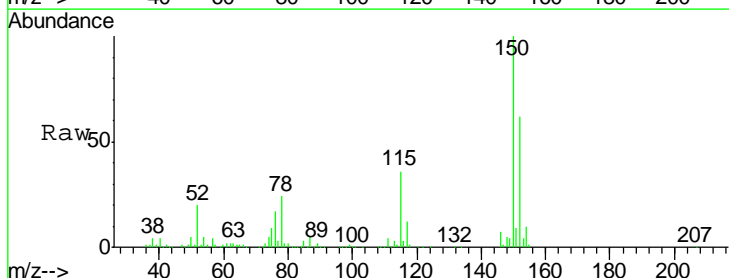
Manual Integrations
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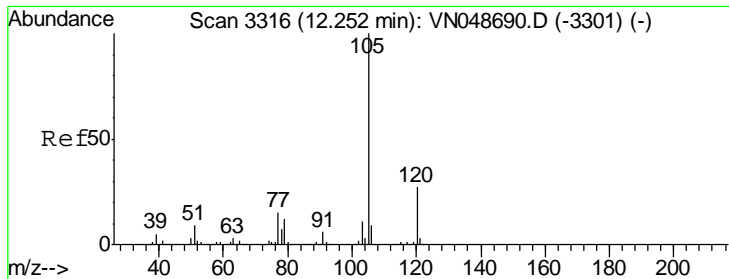
MMDadoda
 5/31/2018 11:12:35 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
152	231283		
152	100		
115	57.8	28.1	84.4
150	166.0	0.0	353.0





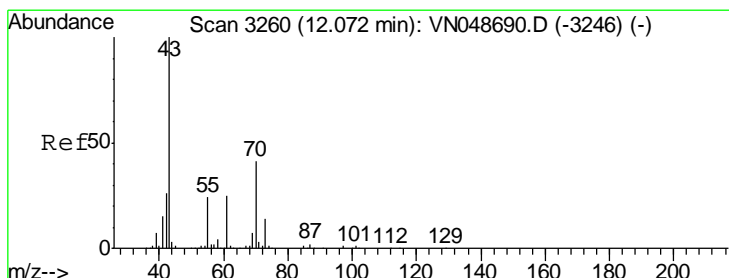
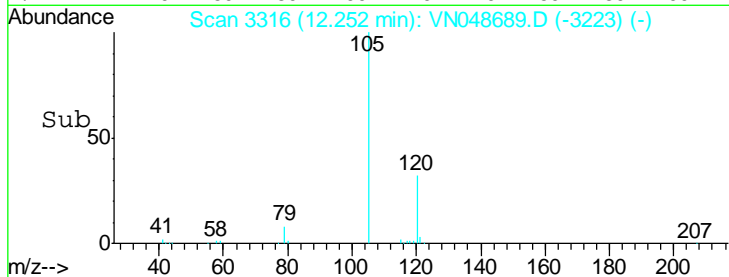
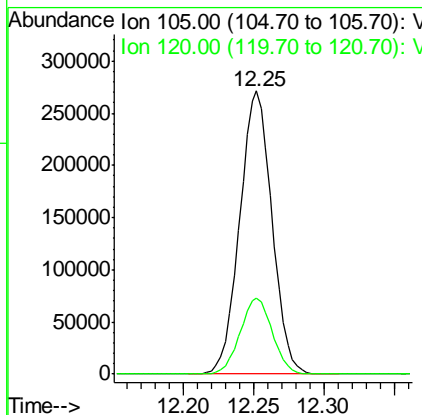
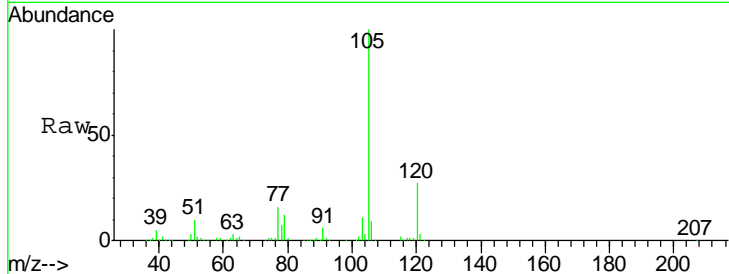
#73
 Isopropylbenzene
 Concen: 19.31 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	434643		
120	26.8	13.3	39.9

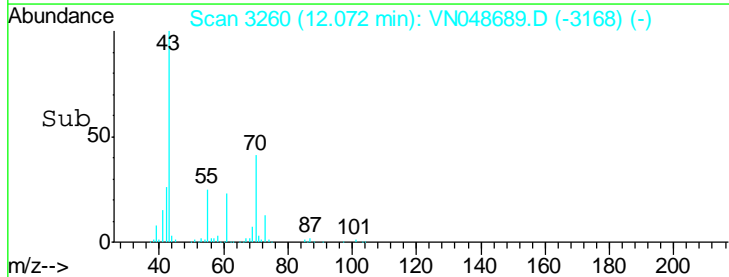
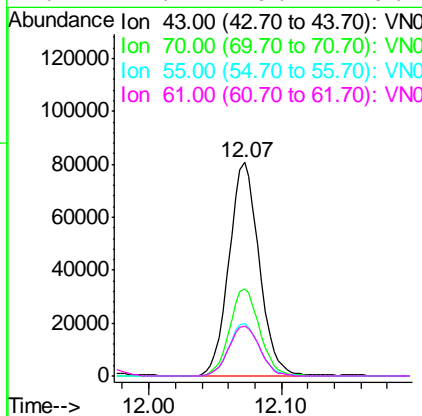
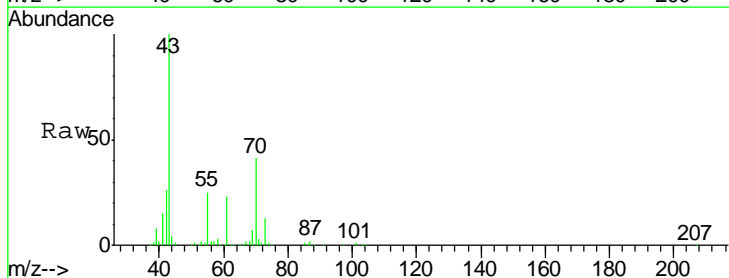
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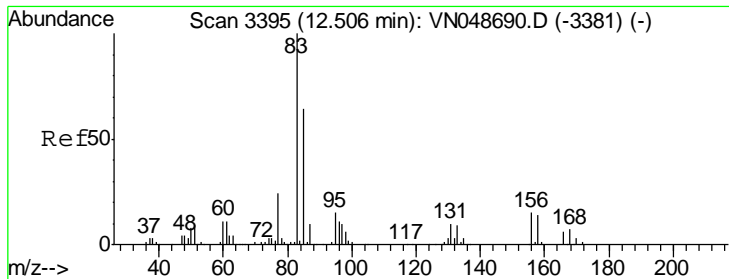
MMDadoda
 5/31/2018 11:12:35 AM



#74
 N-ethyl acetate
 Concen: 15.70 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
43	127687		
70	40.6	33.7	50.5
55	24.9	19.3	28.9
61	24.1	19.4	29.2





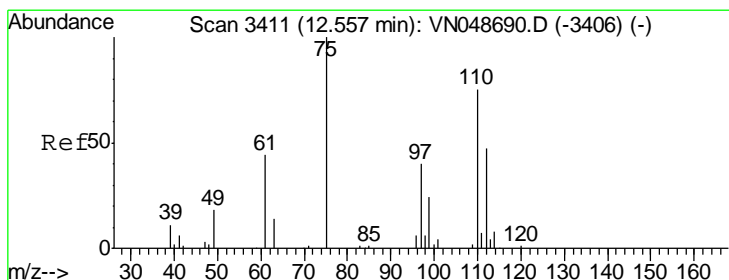
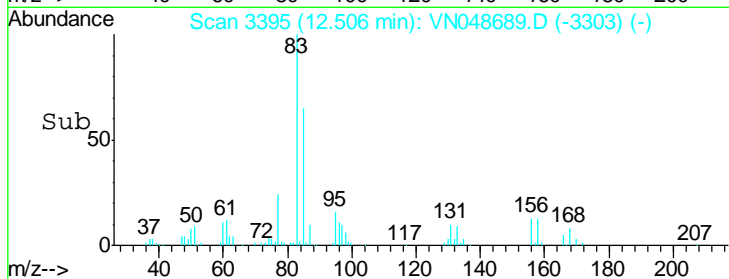
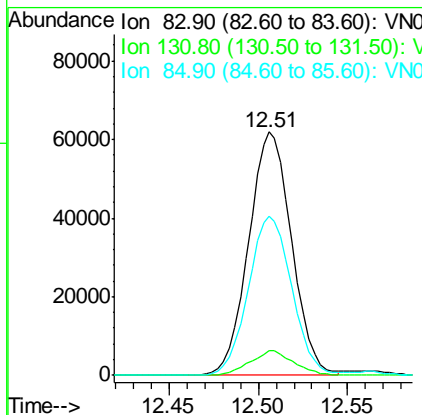
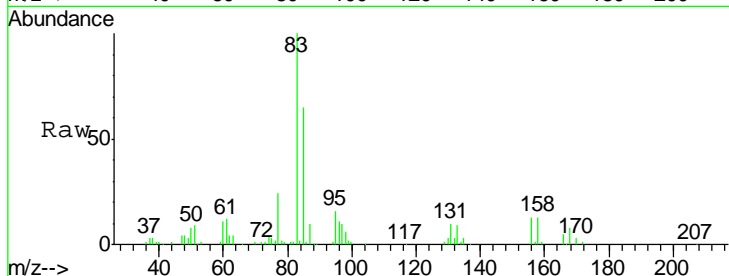
#75
 1,1,2,2-Tetrachloroethane
 Concen: 15.17 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	104271		
83	100		
131	10.2	5.3	15.8
85	66.1	32.4	97.0

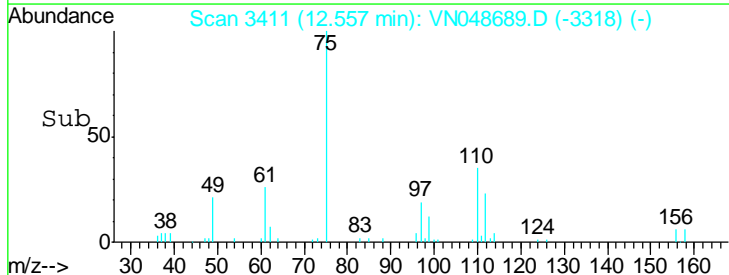
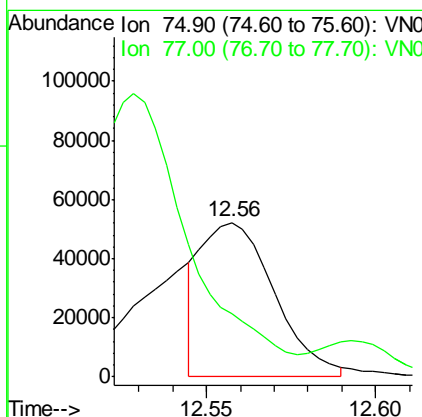
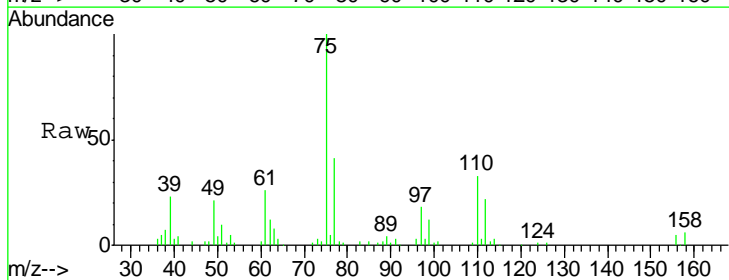
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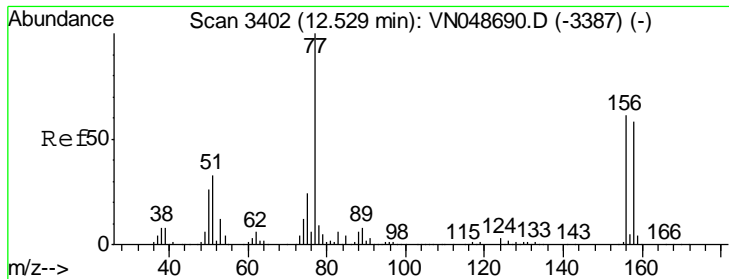
MMDadoda
 5/31/2018 11:12:35 AM



#76
 1,2,3-Trichloropropane
 Concen: 15.29 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
75	78791		
75	100		
77	0.0	0.0	0.0





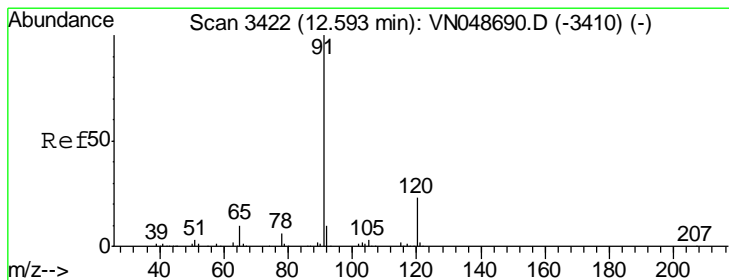
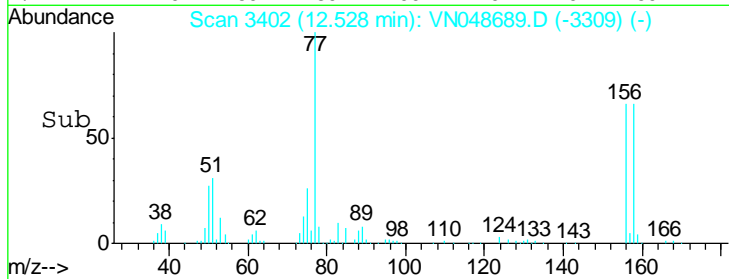
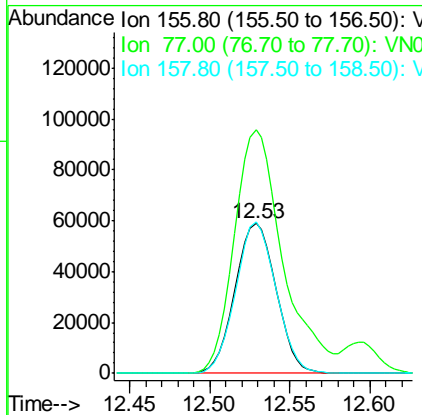
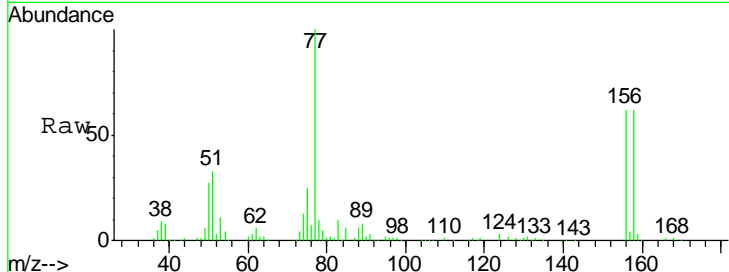
#77
 Bromobenzene
 Concen: 18.78 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
156	103038		
77	192.1	93.3	280.1
158	99.0	48.9	146.6

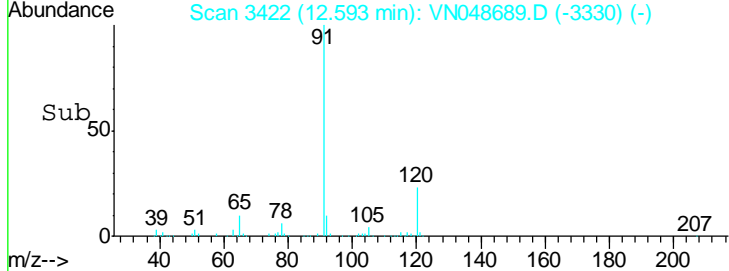
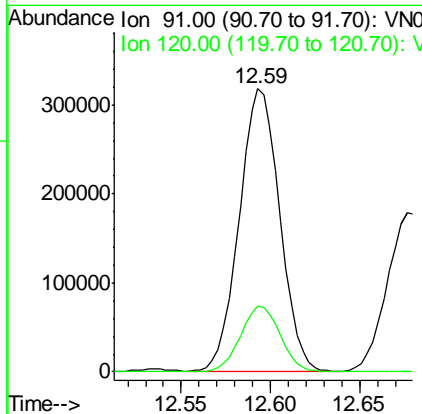
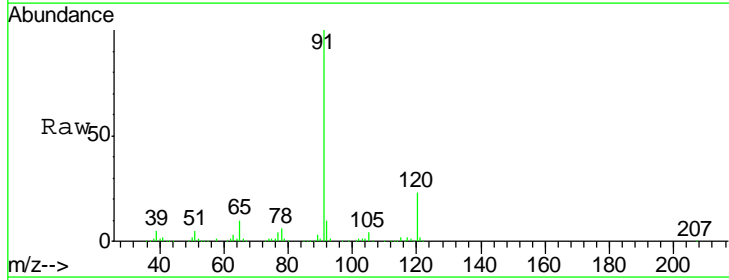
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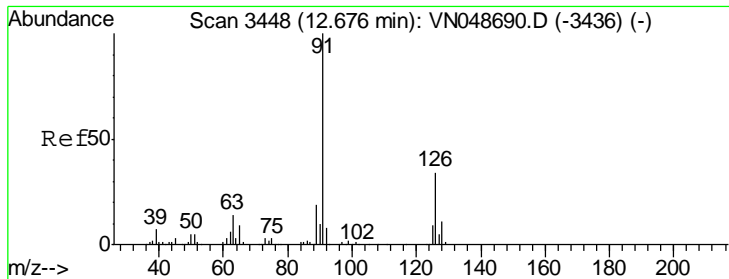
MMDadoda
 5/31/2018 11:12:35 AM



#78
 n-propylbenzene
 Concen: 19.53 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
91	500027		
120	22.9	11.7	35.1





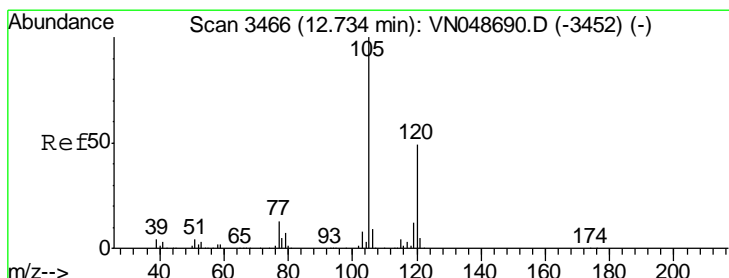
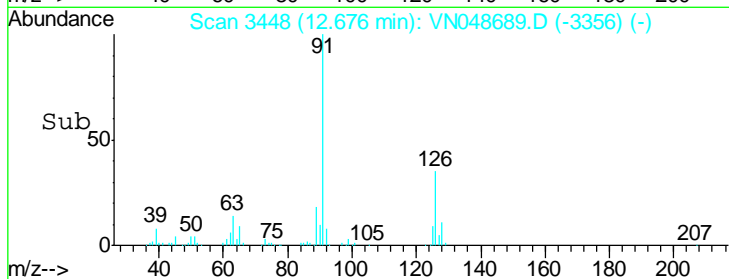
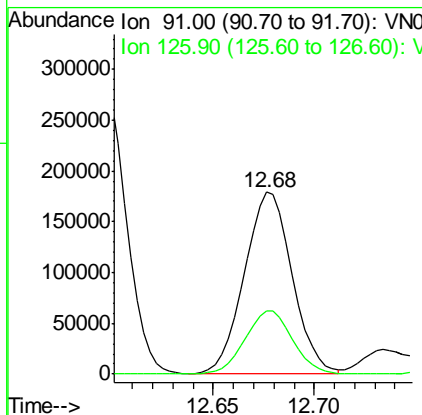
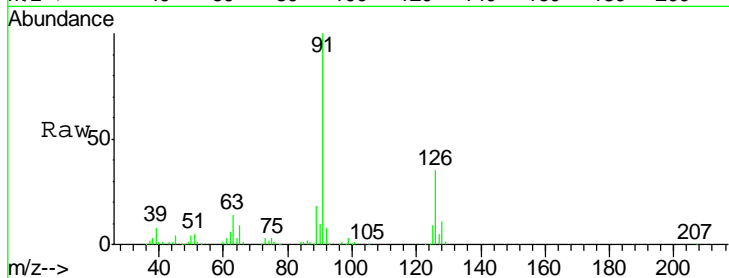
#79
 2-Chlorotoluene
 Concen: 18.95 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.9	17.5	52.5

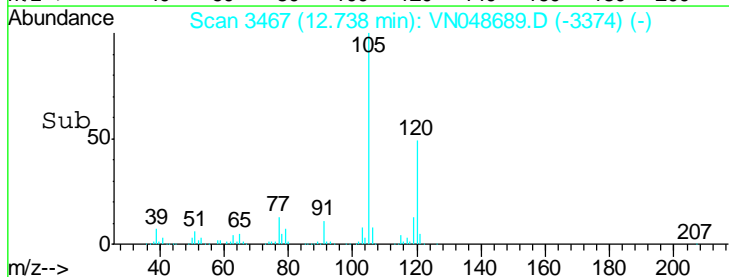
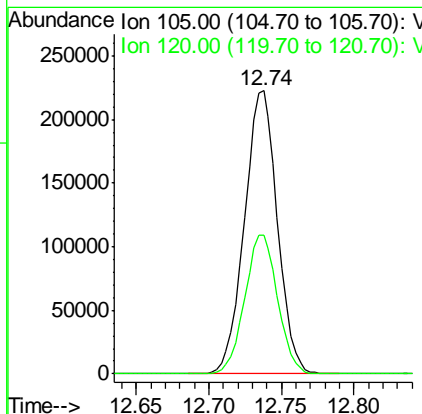
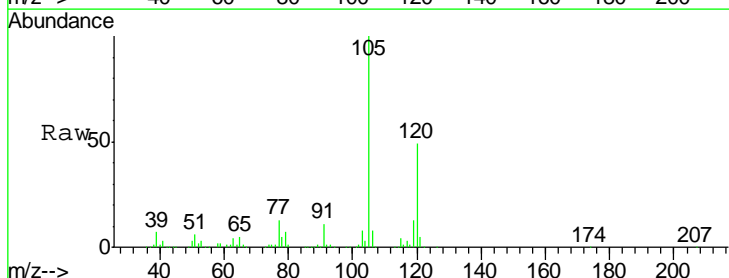
Manual Integrations
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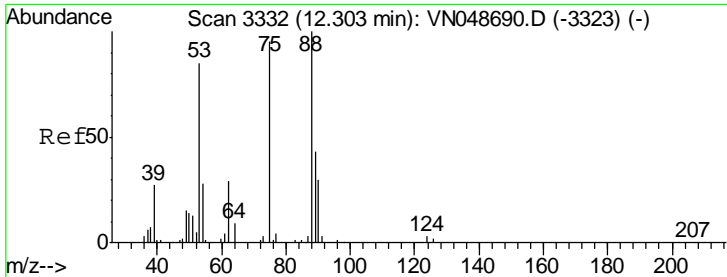
MMDadoda
 5/31/2018 11:12:35 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.20 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
105	100		
120	48.9	24.3	72.9



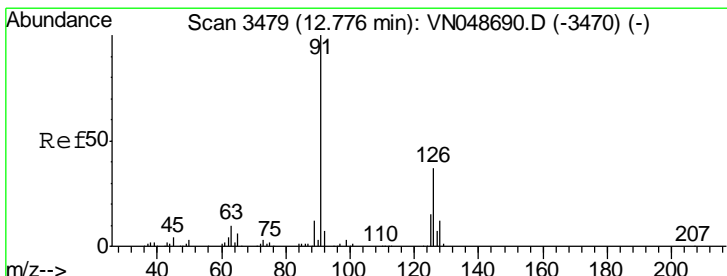
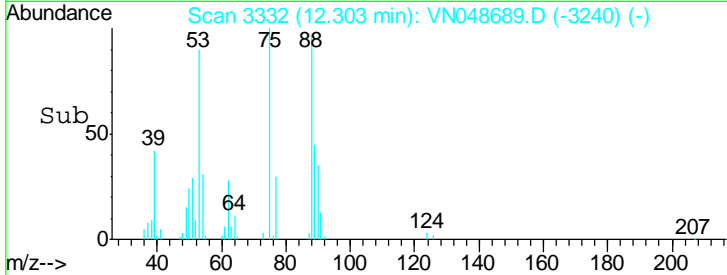
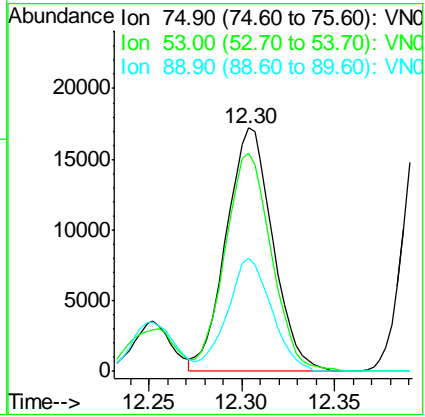
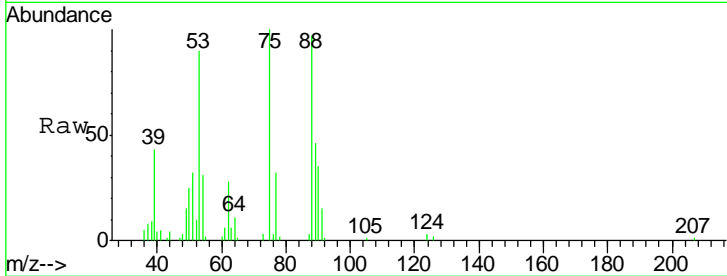


#81
 trans-1,4-Dichloro-2-butene
 Concen: 17.37 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

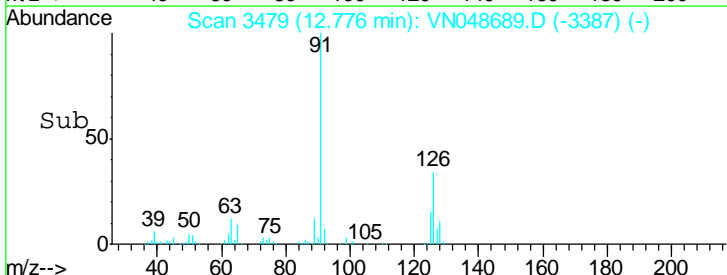
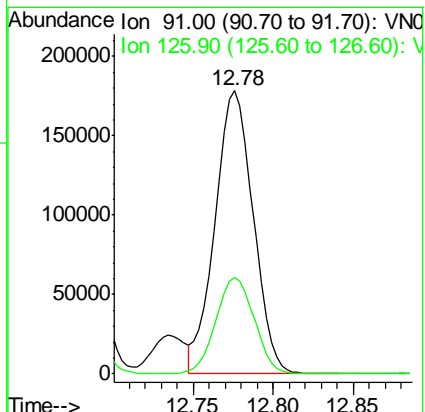
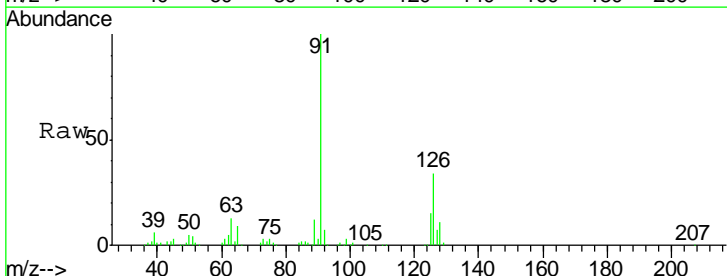
Tgt Ion	Resp	Lower	Upper
75	29938		
75	100		
53	89.7	72.0	108.0
89	44.2	35.2	52.8

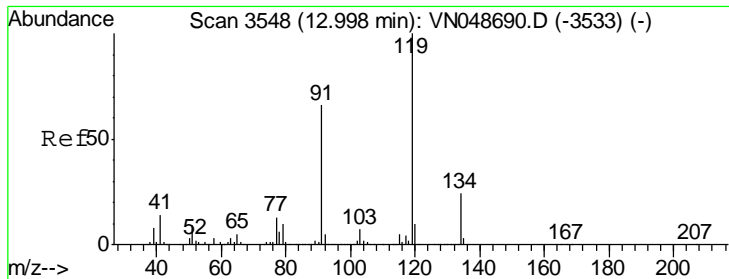
Manual Integrations
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#82
 4-Chlorotoluene
 Concen: 19.32 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
91	292968		
91	100		
126	34.2	17.2	51.6





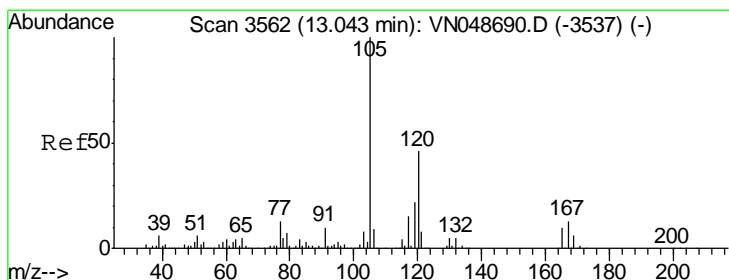
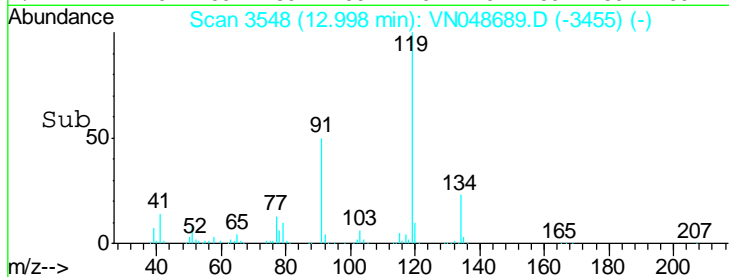
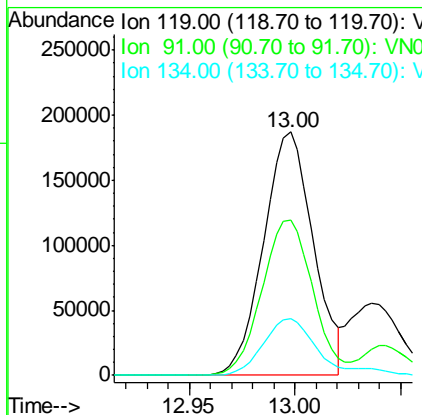
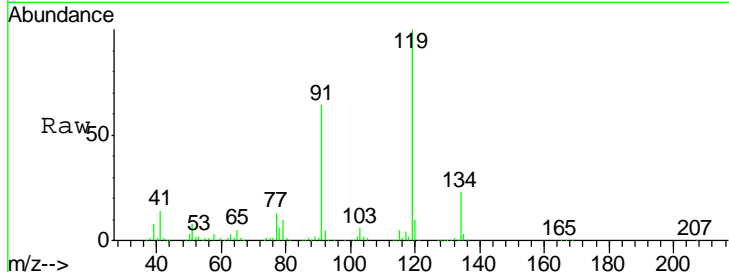
#83
 tert-Butylbenzene
 Concen: 19.29 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
119	307478		
91	64.8	32.2	96.6
134	25.9	13.3	39.9

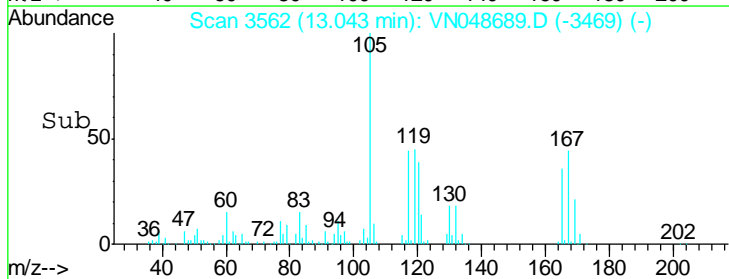
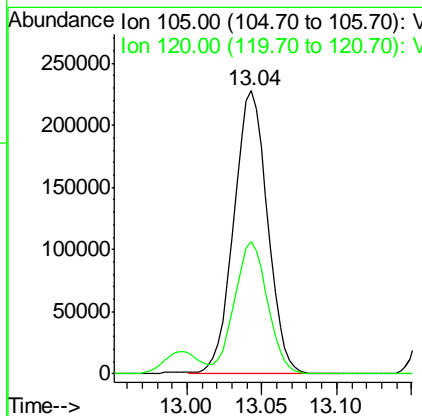
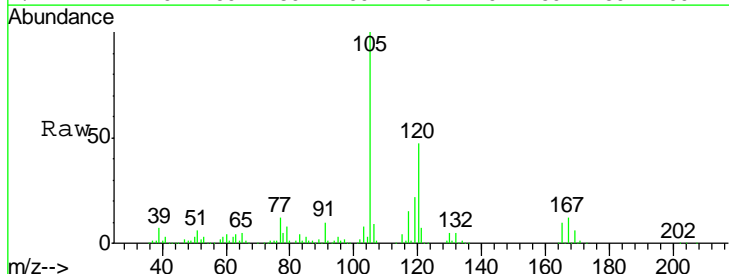
Manual Integrations
 APPROVED

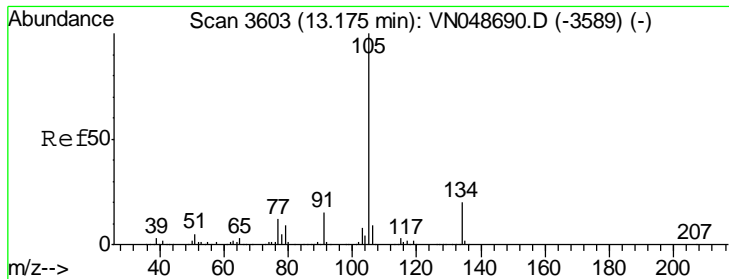
MMDadoda
 5/31/2018 11:12:35 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.68 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
105	357491		
120	46.1	22.7	68.0





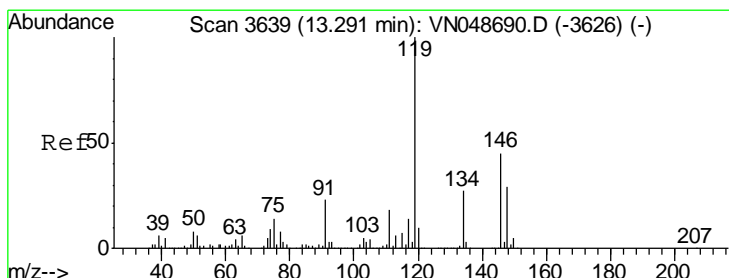
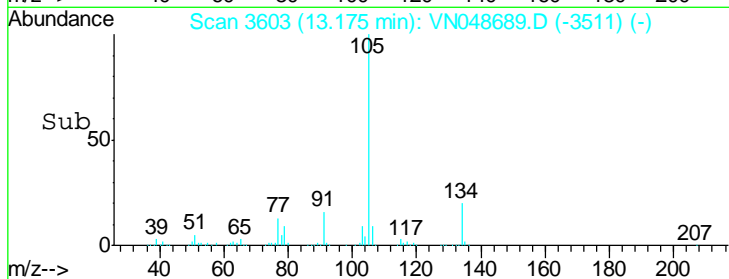
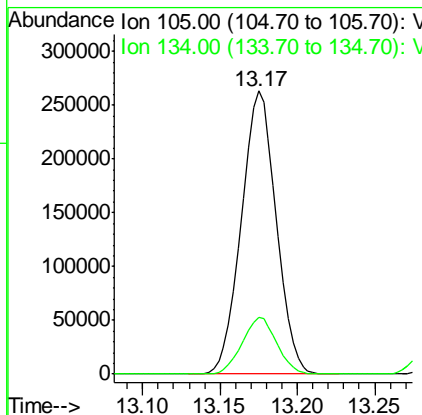
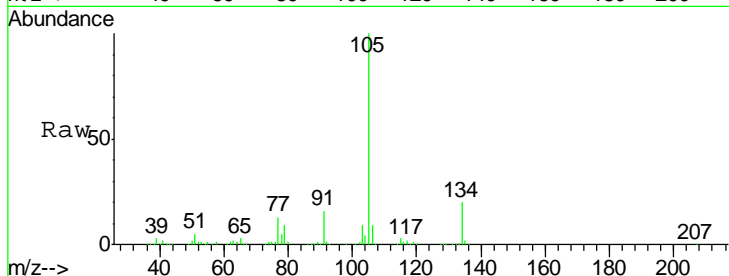
#85
 sec-Butylbenzene
 Concen: 19.45 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 Client Sampled : VN048689.D
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	411643		
134	19.8	10.1	30.3

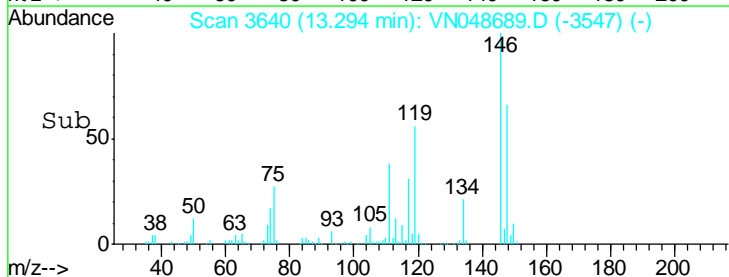
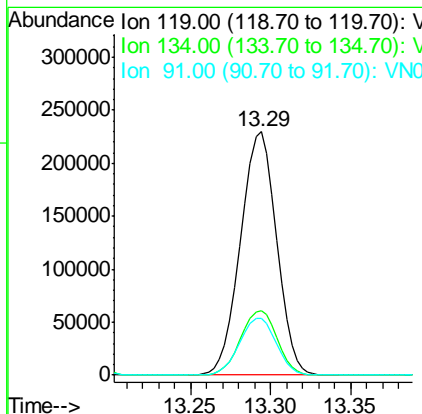
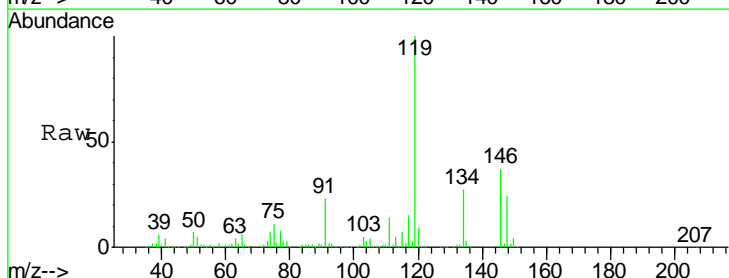
Manual Integrations
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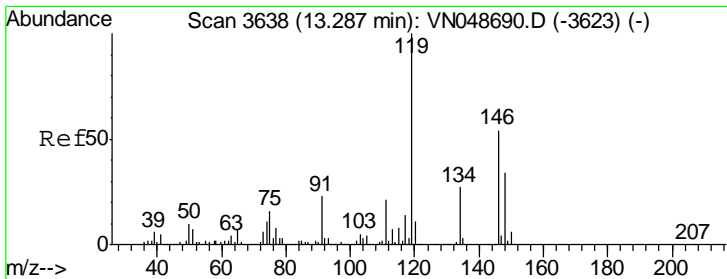
MMDadoda
 5/31/2018 11:12:35 AM



#86
 p-Isopropyltoluene
 Concen: 19.68 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
119	352448		
134	26.7	13.5	40.4
91	23.8	11.4	34.2





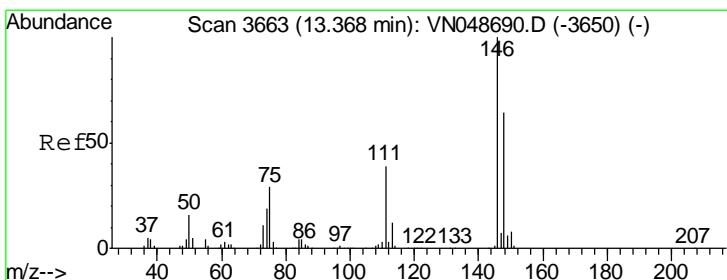
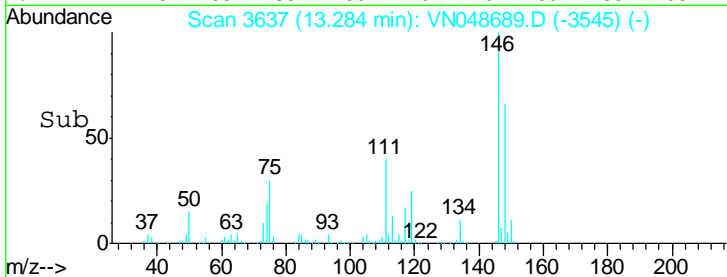
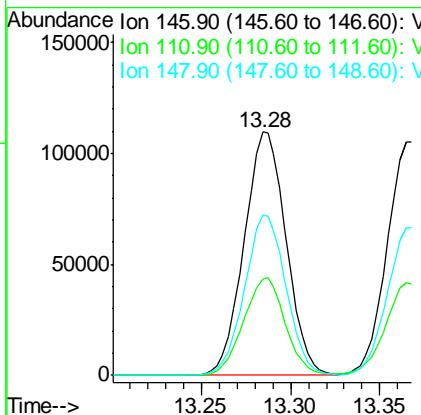
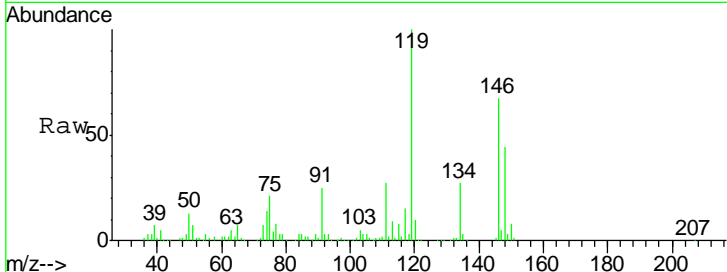
#87
 1,3-Dichlorobenzene
 Concen: 19.31 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	180901		
146	100		
111	39.6	19.3	57.9
148	65.0	32.1	96.5

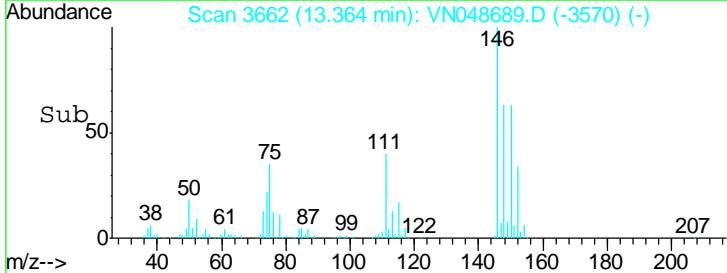
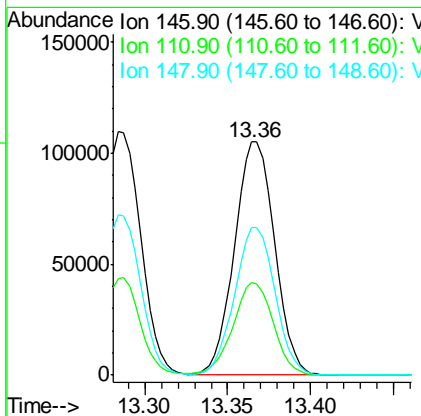
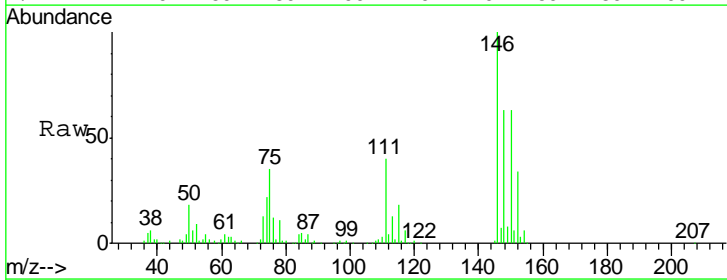
Manual Integrations
 APPROVED

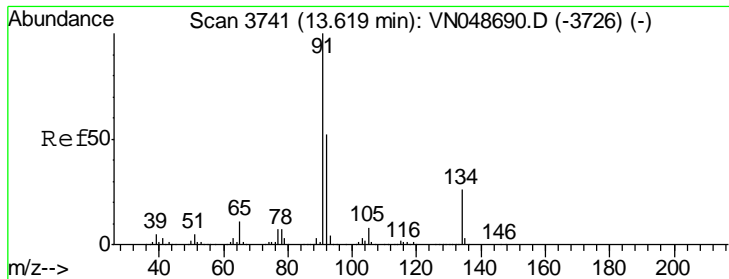
MMDadoda
 5/31/2018 11:12:35 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.00 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
146	177524		
146	100		
111	40.0	18.9	56.5
148	63.6	32.2	96.6





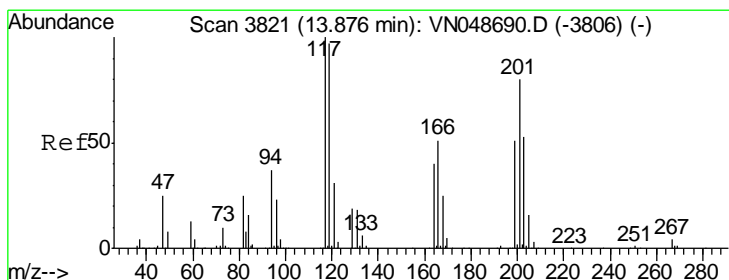
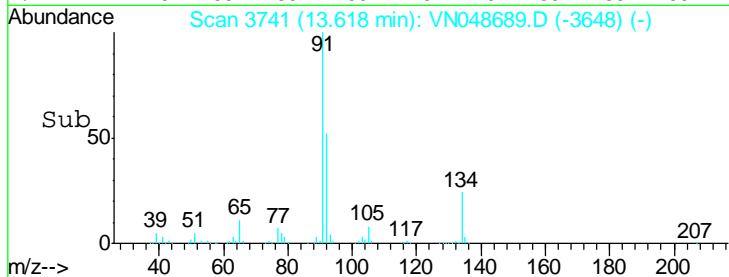
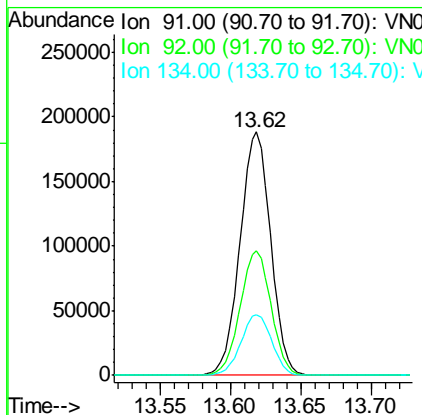
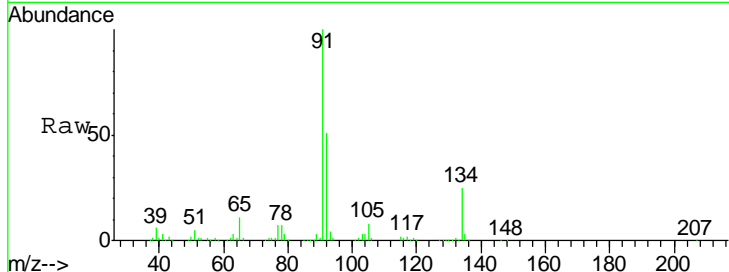
#89
 n-Butylbenzene
 Concen: 20.57 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. 0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
92	51.7	26.3	78.9
134	25.1	13.5	40.4

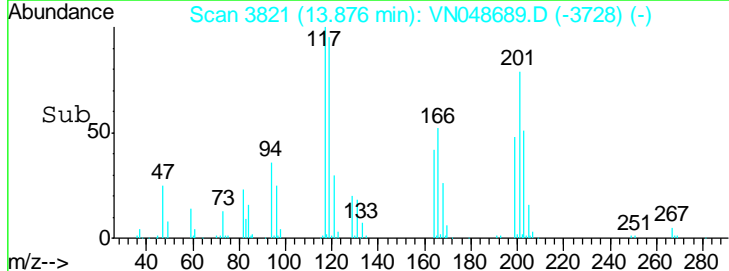
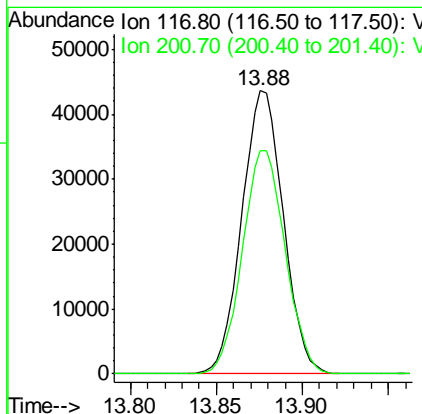
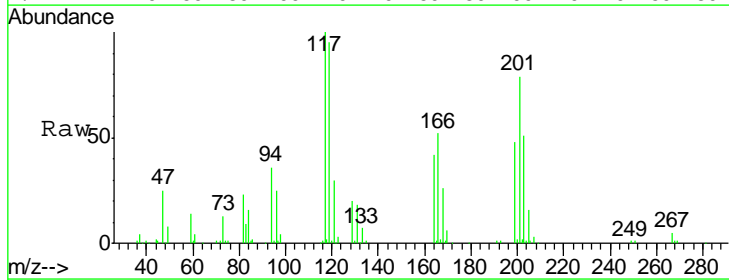
Manual Integrations
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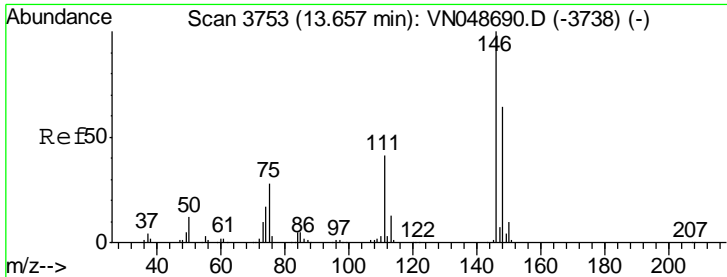
MMDadoda
 5/31/2018 11:12:35 AM



#90
 Hexachloroethane
 Concen: 18.32 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
117	100		
201	81.2	44.6	134.0





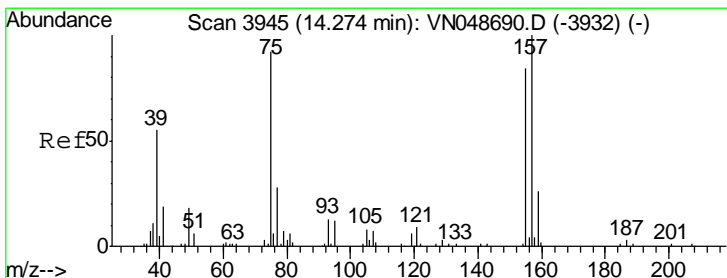
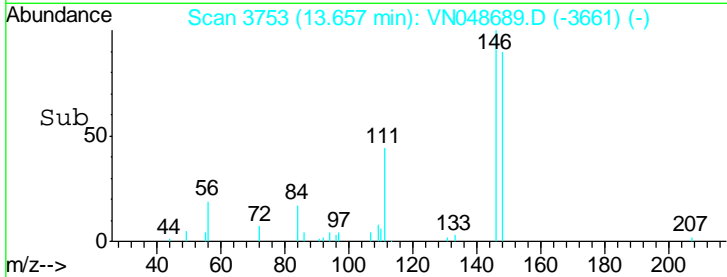
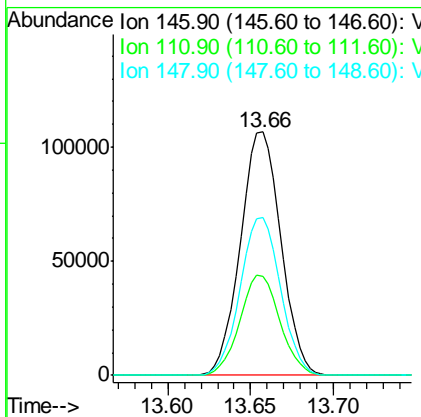
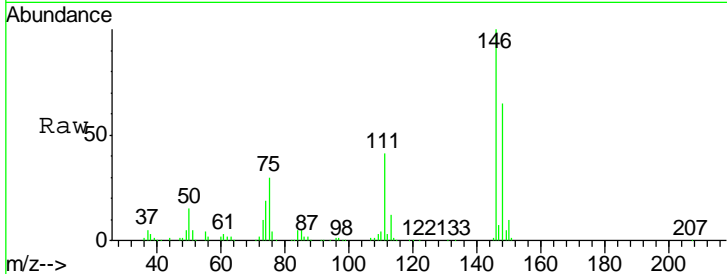
#91
 1,2-Dichlorobenzene
 Concen: 19.83 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	181075		
111	40.7	19.9	59.6
148	64.4	32.0	96.0

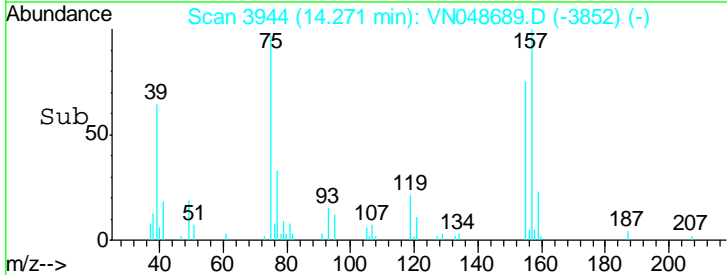
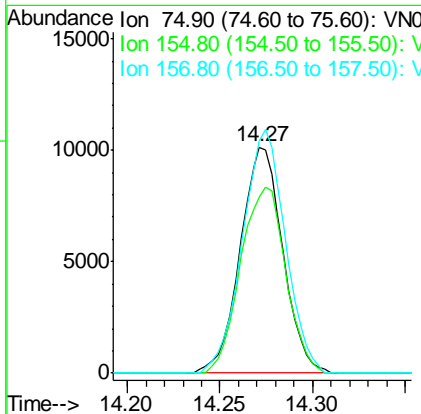
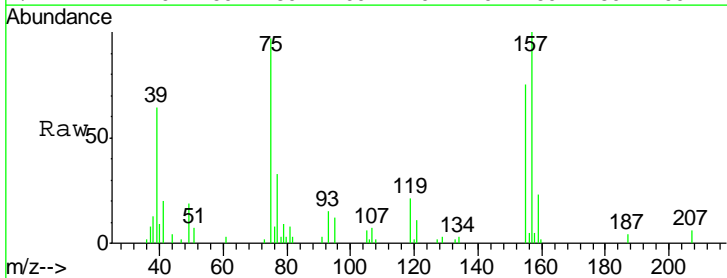
Manual Integrations
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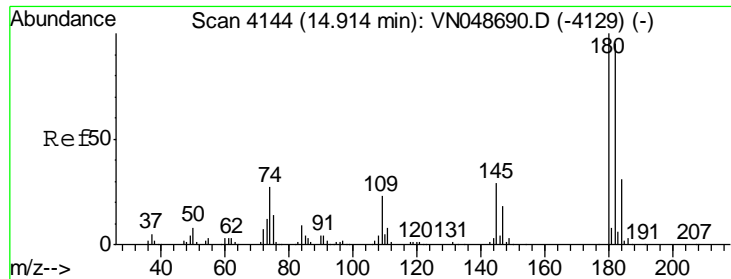
MMDadoda
 5/31/2018 11:12:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.32 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Tgt Ion	Resp	Lower	Upper
75	16191		
155	87.1	47.1	141.4
157	108.9	60.9	182.6





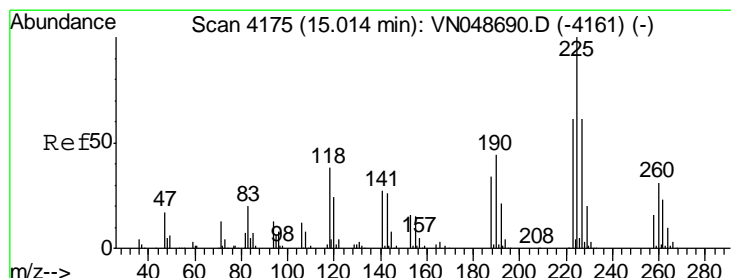
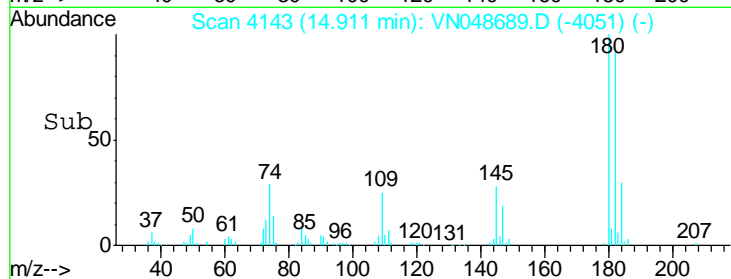
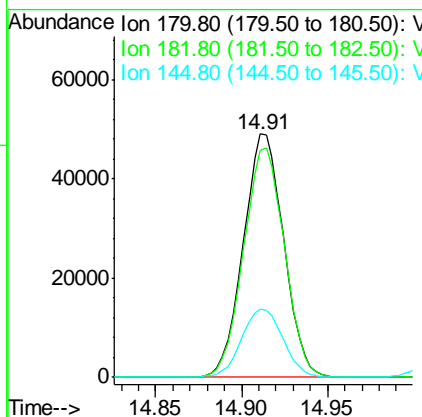
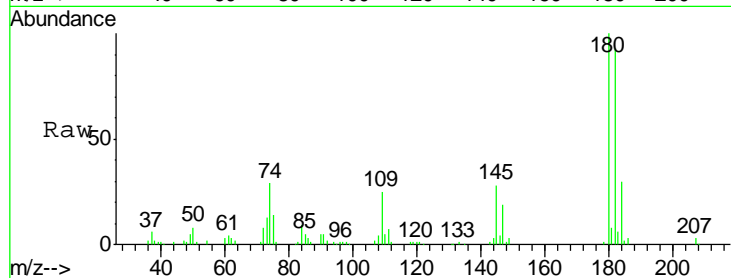
#93
 1,2,4-Trichlorobenzene
 Concen: 22.25 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.2	47.9	143.8
145	28.9	14.6	43.8

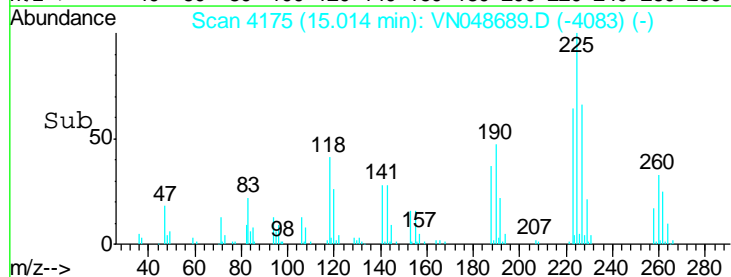
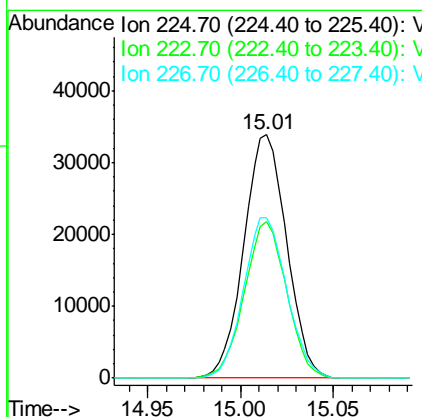
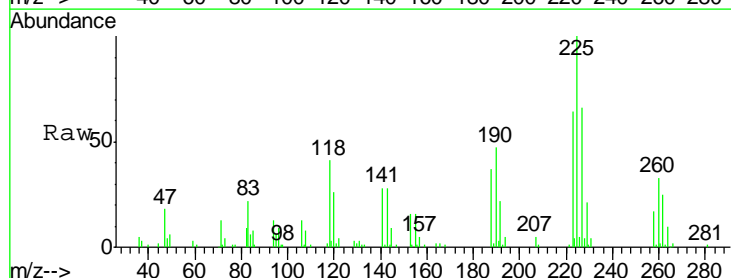
Manual Integrations
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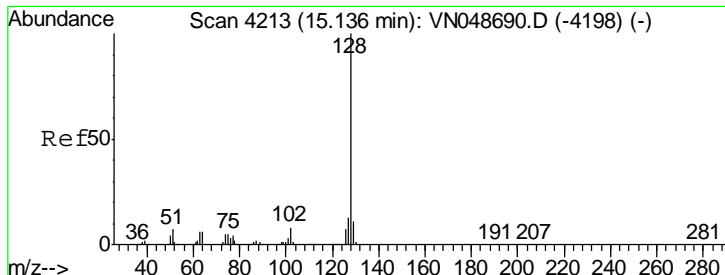
MMDadoda
 5/31/2018 11:12:35 AM



#94
 Hexachlorobutadiene
 Concen: 18.92 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

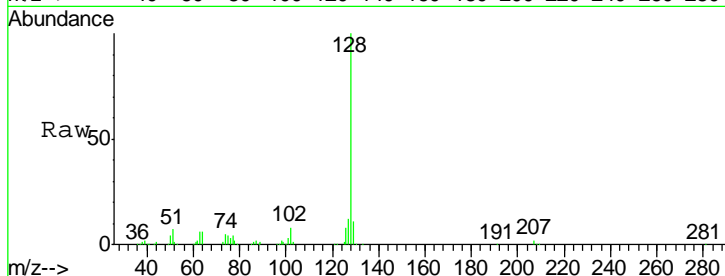
Tgt Ion	Resp	Lower	Upper
225	100		
223	63.4	31.3	93.8
227	66.4	31.9	95.5





#95
 Naphthalene
 Concen: 16.90 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

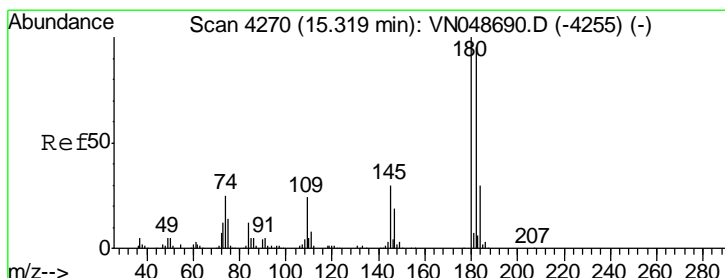
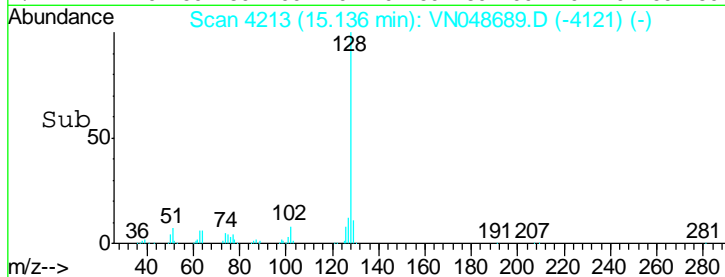
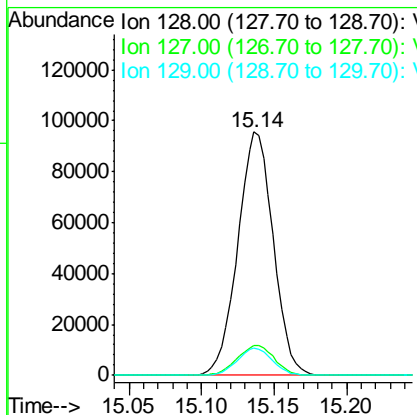
Instrument : MSVOA_N
 Client Sampled : VSTDIC020



Tgt Ion	Resp	Lower	Upper
128	162038		
127	12.9	10.2	15.4
129	11.1	8.7	13.1

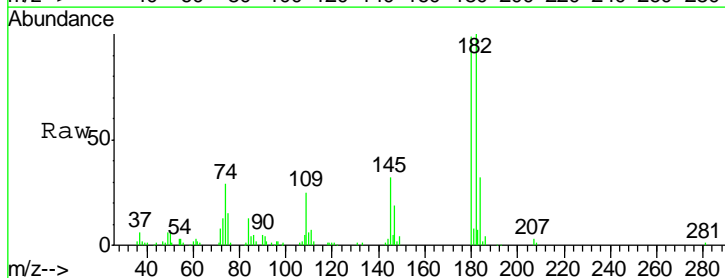
Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 11:12:35 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 21.77 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.01 min
 Lab File: VN048689.D
 Acq: 29 May 2018 11:39

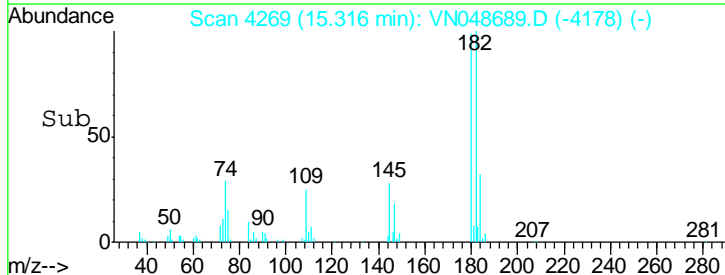
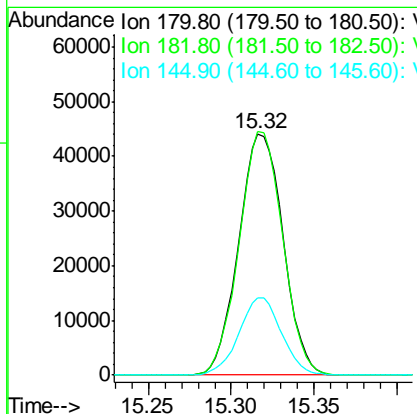
Instrument : MSVOA_N
 Client Sampled : VSTDIC020



Tgt Ion	Resp	Lower	Upper
180	82351		
182	98.9	48.4	145.0
145	30.8	15.3	45.9

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 11:12:35 AM



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048690.D
 Acq On : 29 May 2018 12:05
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 11:12:36 AM

Quant Time: May 29 12:54:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	319489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	475222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	428865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	252283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	219123	36.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.42%	
35) Dibromofluoromethane	7.59	113	200843	40.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.62%	
50) Toluene-d8	10.09	98	732045	39.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.00%	
62) 4-Bromofluorobenzene	12.40	95	251794	40.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	190769	37.83	ug/l	100
3) Chloromethane	2.06	50	266035	38.83	ug/l	100
4) Vinyl Chloride	2.18	62	243197	41.88	ug/l	100
5) Bromomethane	2.56	94	132641	39.01	ug/l	96
6) Chloroethane	2.70	64	138389	42.62	ug/l	100
7) Trichlorofluoromethane	3.01	101	327347	42.20	ug/l	99
8) Diethyl Ether	3.41	74	124716	41.29	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	210016	42.53	ug/l	97
10) Methyl Iodide	3.95	142	304669	41.74	ug/l	97
11) Tert butyl alcohol	4.80	59	74838	134.02	ug/l	100
12) 1,1-Dichloroethene	3.73	96	202446	44.39	ug/l	94
13) Acrolein	3.61	56	121769	169.50	ug/l	100
14) Allyl chloride	4.32	41	379528	42.99	ug/l	98
15) Acrylonitrile	4.99	53	386244	170.35	ug/l	99
16) Acetone	3.82	43	288863	131.42	ug/l	97
17) Carbon Disulfide	4.05	76	650379	43.94	ug/l	99
18) Methyl Acetate	4.33	43	167407	26.06	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	572020	40.92	ug/l	99
20) Methylene Chloride	4.55	84	234558	40.50	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	219440	44.17	ug/l	94
22) Diisopropyl ether	5.96	45	750236	44.99	ug/l	96
23) Vinyl Acetate	5.90	43	2595749	217.25	ug/l	99
24) 1,1-Dichloroethane	5.85	63	432670	44.99	ug/l	100
25) 2-Butanone	6.84	43	432398	147.65	ug/l	99
26) 2,2-Dichloropropane	6.83	77	353411	44.95	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	247172	44.13	ug/l	97
28) Bromochloromethane	7.20	49	209372	60.05	ug/l	93
29) Tetrahydrofuran	7.22	42	295568	158.52	ug/l	95
30) Chloroform	7.37	83	417632	44.40	ug/l	97
31) Cyclohexane	7.65	56	393058	40.06	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	366964	44.81	ug/l	99
36) 1,1-Dichloropropene	7.79	75	325001	46.60	ug/l	99
37) Ethyl Acetate	6.93	43	195786	33.68	ug/l	99
38) Carbon Tetrachloride	7.77	117	330026	45.83	ug/l	99

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048690.D
 Acq On : 29 May 2018 12:05
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 11:12:36 AM

Quant Time: May 29 12:54:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	361803	46.85	ug/l	98
40) Benzene	8.04	78	960677	46.01	ug/l	100
41) Methacrylonitrile	7.18	41	107639	35.10	ug/l	98
42) 1,2-Dichloroethane	8.13	62	296608	43.47	ug/l	99
43) Isopropyl Acetate	8.17	43	370167	36.71	ug/l #	89
44) Trichloroethene	8.84	130	249581	47.42	ug/l	97
45) 1,2-Dichloropropane	9.12	63	263300	46.43	ug/l	99
46) Dibromomethane	9.21	93	145412	41.86	ug/l	96
47) Bromodichloromethane	9.41	83	322122	45.55	ug/l	99
48) Methyl methacrylate	9.20	41	174567	35.64	ug/l	98
49) 1,4-Dioxane	9.20	88	41279	637.00	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	964113	165.94	ug/l	99
52) Toluene	10.16	92	578026	46.81	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	336434	46.23	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	391637	48.04	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	207299	43.05	ug/l	97
56) Ethyl methacrylate	10.43	69	275181	41.00	ug/l	99
57) 1,3-Dichloropropane	10.71	76	359317	43.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	501795	393.55	ug/l	97
59) 2-Hexanone	10.75	43	638399	158.07	ug/l	100
60) Dibromochloromethane	10.90	129	240442	44.27	ug/l	100
61) 1,2-Dibromoethane	11.01	107	195541	39.31	ug/l	97
64) Tetrachloroethene	10.63	164	211787	44.97	ug/l	99
65) Chlorobenzene	11.44	112	631020	46.87	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	235416	47.38	ug/l	99
67) Ethyl Benzene	11.51	91	1102904	47.98	ug/l	100
68) m/p-Xylenes	11.62	106	855397	101.31	ug/l	100
69) o-Xylene	11.95	106	415242	50.05	ug/l	98
70) Styrene	11.97	104	658717	49.89	ug/l	98
71) Bromoform	12.13	173	154326	41.35	ug/l #	98
73) Isopropylbenzene	12.25	105	1099618	44.78	ug/l	100
74) N-amyl acetate	12.07	43	333044	37.54	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	256638	34.23	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	207425m	36.90	ug/l	
77) Bromobenzene	12.53	156	263198	43.98	ug/l	98
78) n-propylbenzene	12.59	91	1286447	46.07	ug/l	99
79) 2-Chlorotoluene	12.68	91	753752	44.31	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	906152	45.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	74850	39.82	ug/l	98
82) 4-Chlorotoluene	12.78	91	759010	45.88	ug/l	100
83) tert-Butylbenzene	13.00	119	783948	45.09	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	924510	46.66	ug/l	100
85) sec-Butylbenzene	13.17	105	1070616	46.38	ug/l	100
86) p-Isopropyltoluene	13.29	119	925977	47.41	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	475602	46.55	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	461529	45.27	ug/l	99
89) n-Butylbenzene	13.62	91	793032	52.08	ug/l	98
90) Hexachloroethane	13.88	117	181670	41.85	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	465423	46.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40494	35.13	ug/l	91

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048690.D
 Acq On : 29 May 2018 12:05
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampleId :
 VSTDICCC050

Manual Integrations
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 5/31/2018 11:12:36 AM

Quant Time: May 29 12:54:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	233301	59.47	ug/l	100
94) Hexachlorobutadiene	15.01	225	143400	45.53	ug/l	99
95) Naphthalene	15.14	128	490603	46.90	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	233564	56.60	ug/l	98

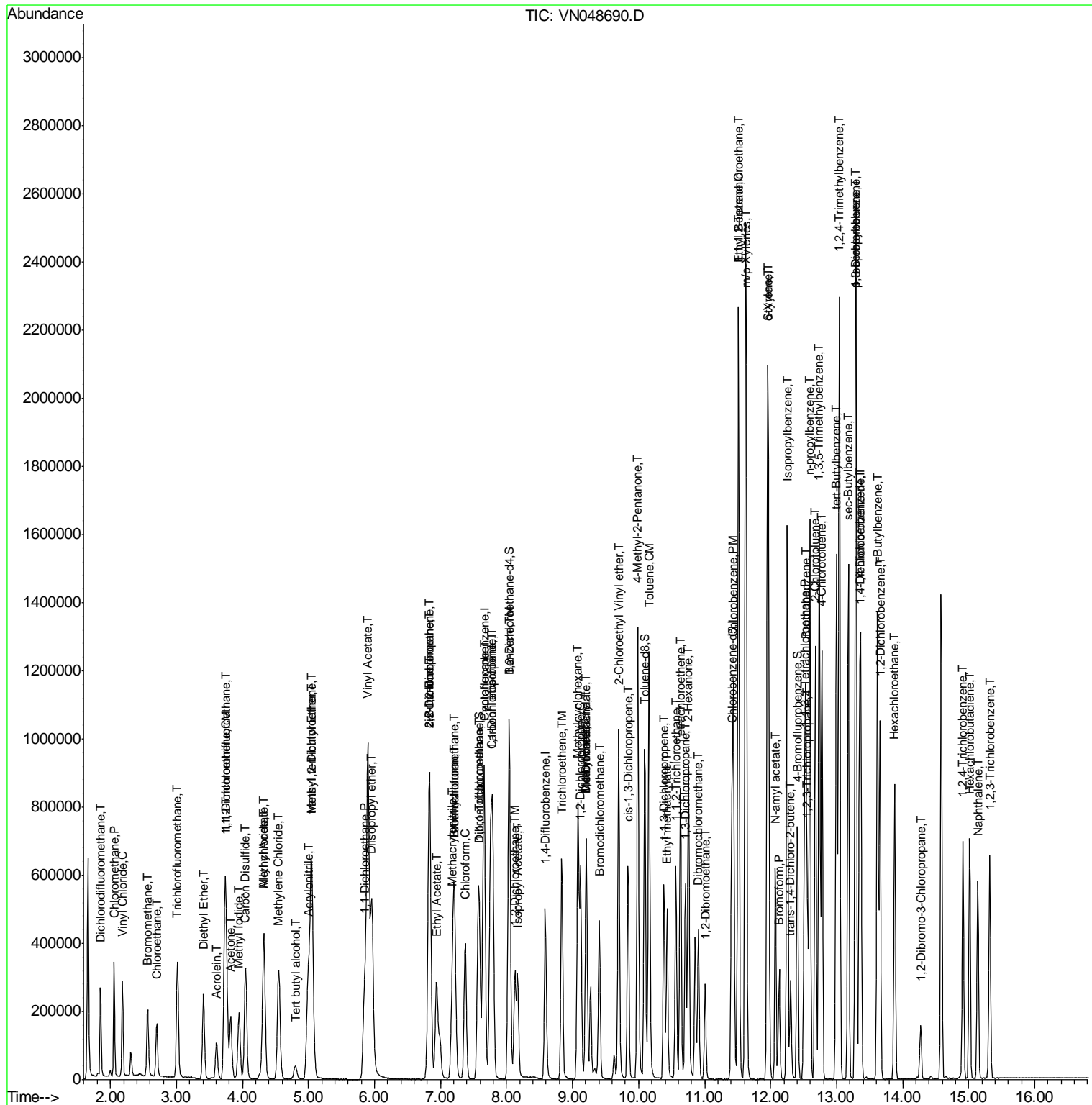
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
Data File : VN048690.D
Acq On : 29 May 2018 12:05
Operator : MD\SY
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

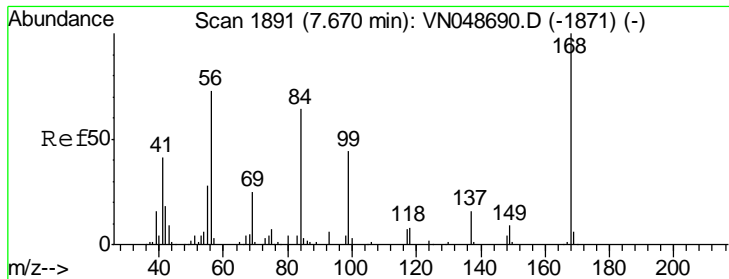
Instrument : MSVOA_N
Client Sampled : VSTDICCC050

Manual Integrations APPROVED
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5/31/2018 11:12:36 AM

Quant Time: May 29 12:54:30 2018
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260
QLast Update : Tue May 29 12:30:18 2018
Response via : Initial Calibration



- 1
- 2
- 3
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- 9
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- 13
- 14
- 15
- 16



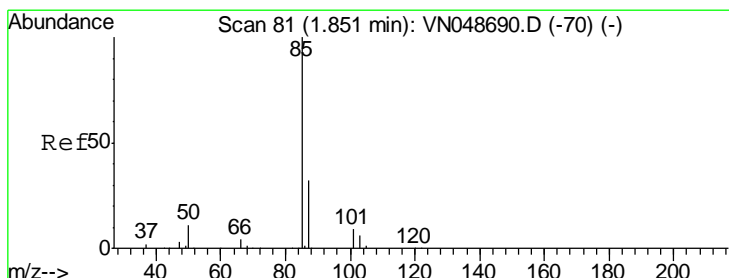
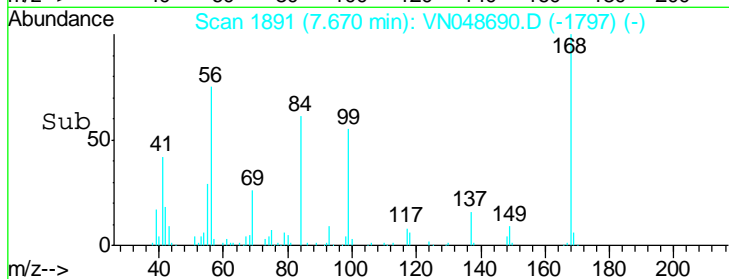
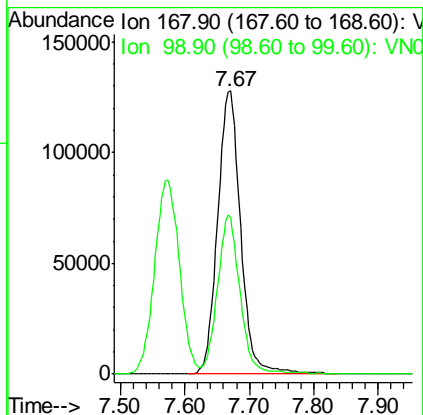
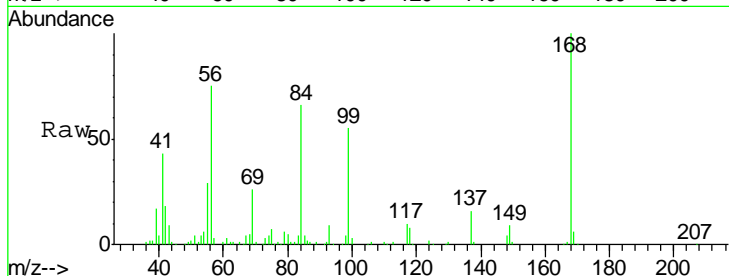
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
168	100		
99	55.2	40.8	61.2

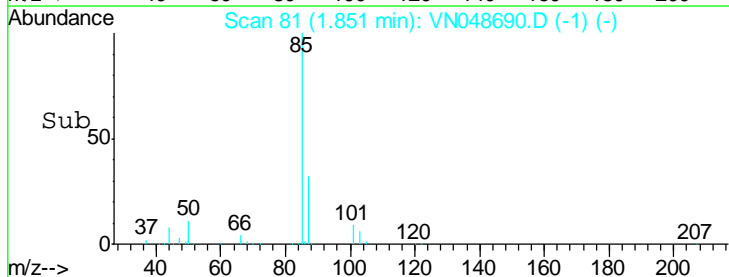
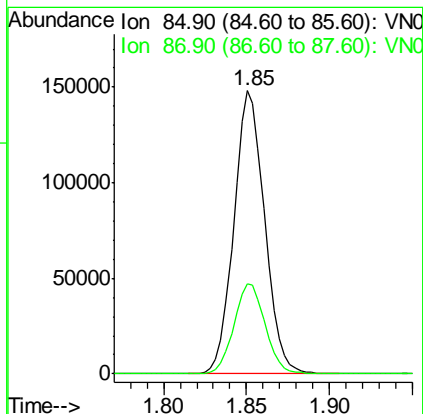
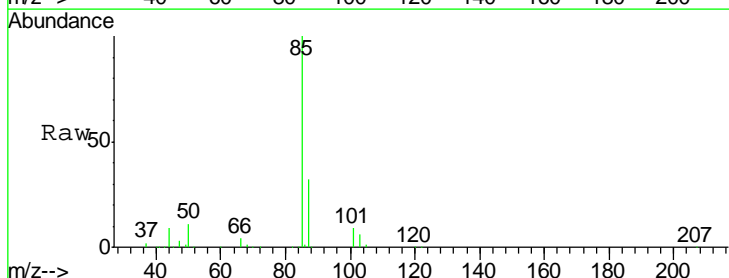
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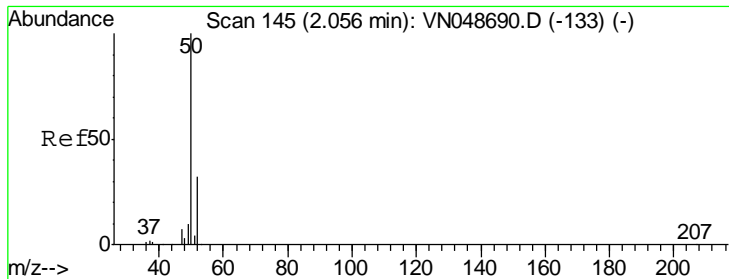
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#2
 Dichlorodifluoromethane
 Concen: 37.83 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.9	15.9	47.7





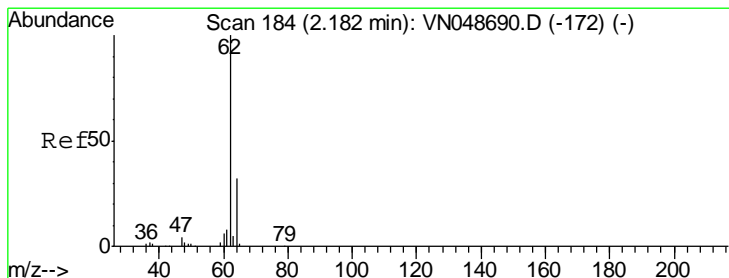
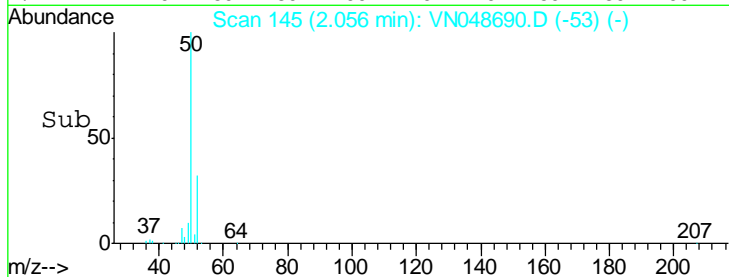
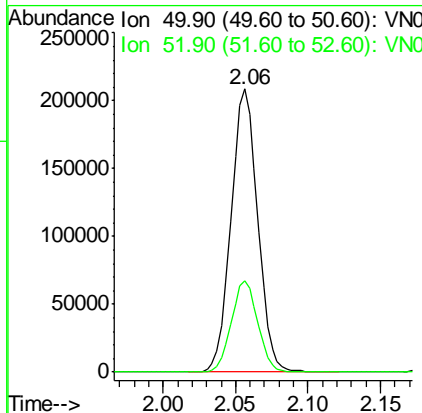
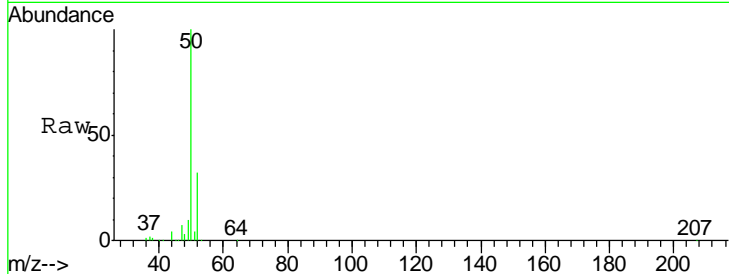
#3
 Chloromethane
 Concen: 38.83 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.4	26.0	39.0

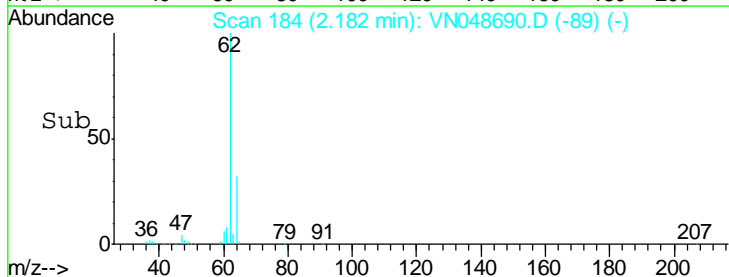
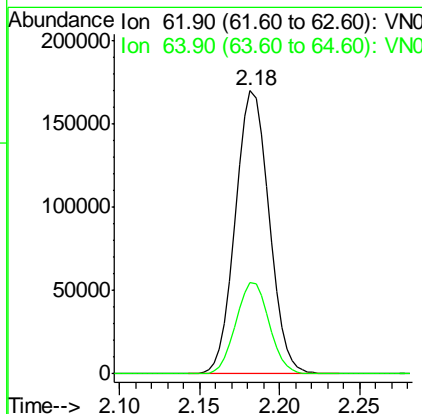
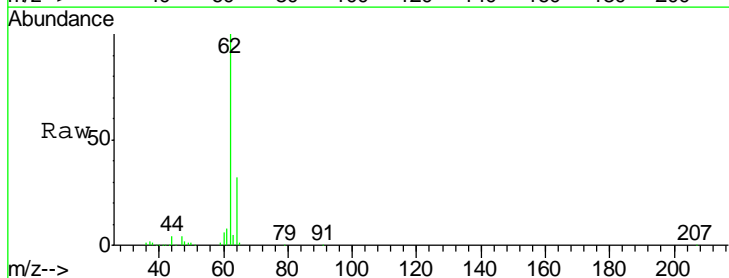
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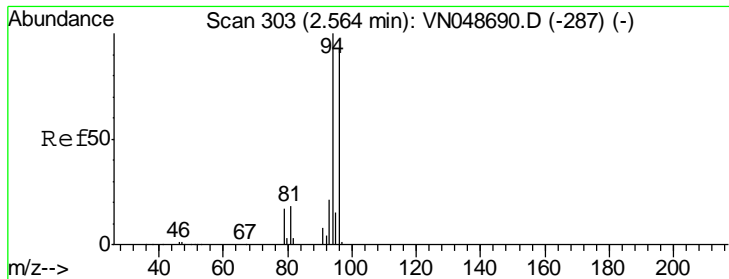
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#4
 Vinyl Chloride
 Concen: 41.88 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.1	25.6	38.4





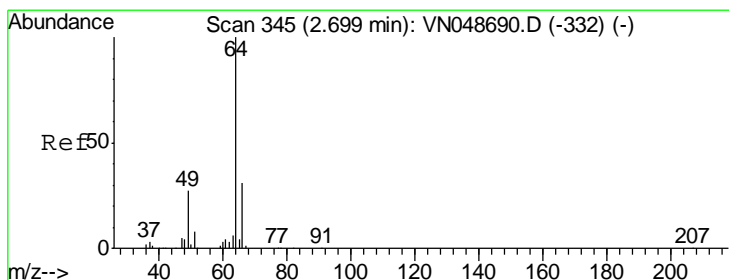
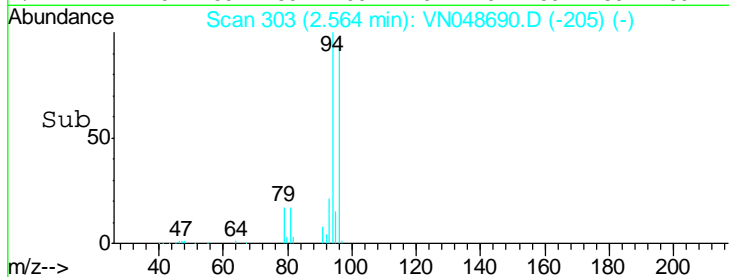
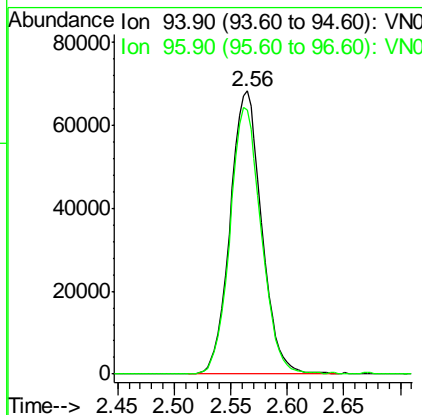
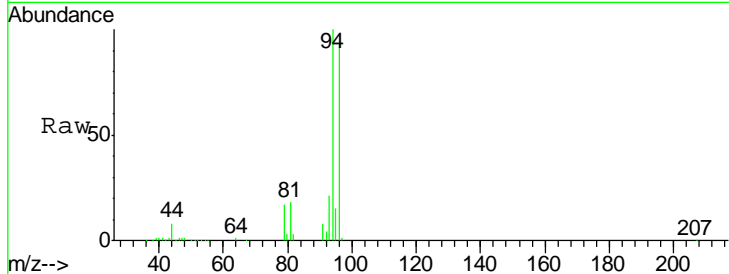
#5
 Bromomethane
 Concen: 39.01 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.02 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.2	78.0	117.0

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

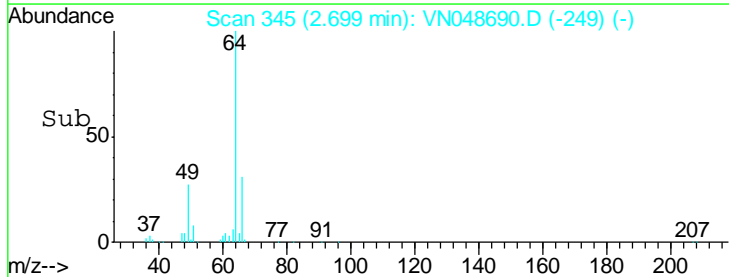
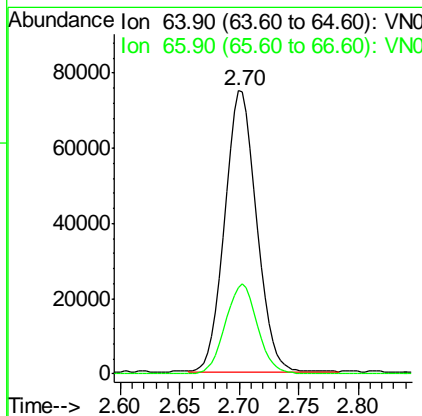
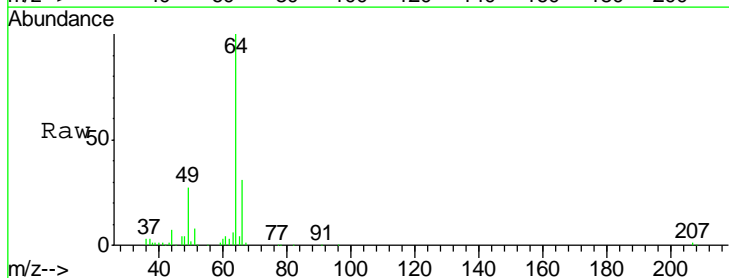
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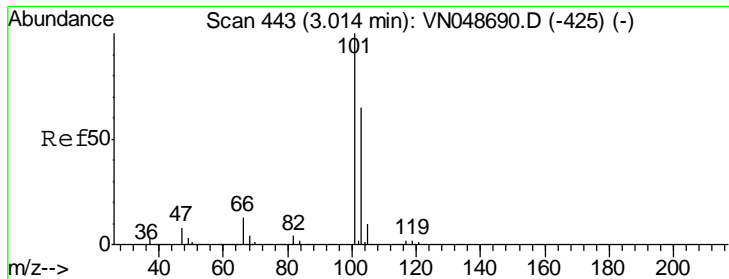
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#6
 Chloroethane
 Concen: 42.62 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
64	100		
66	30.9	24.8	37.2





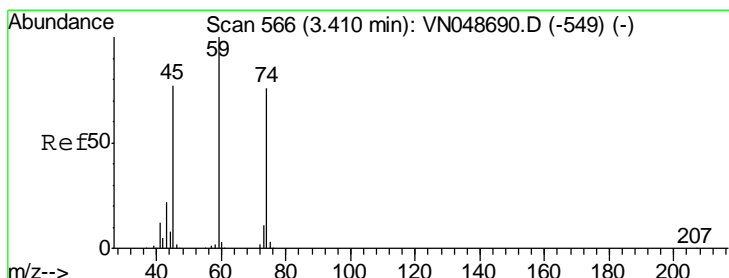
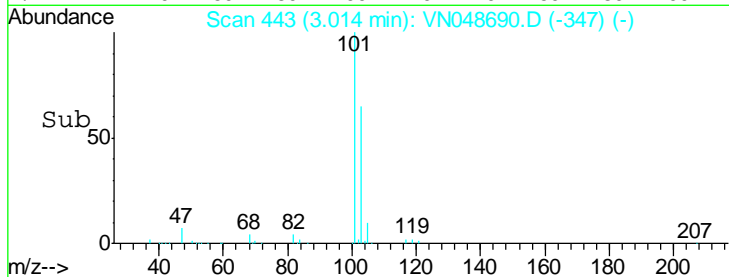
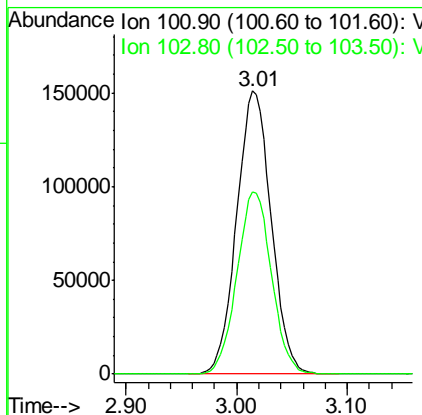
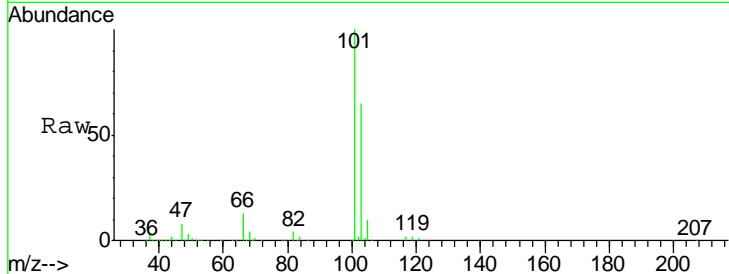
#7
 Trichlorofluoromethane
 Concen: 42.20 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
101	327347		
103	64.5	50.8	76.2

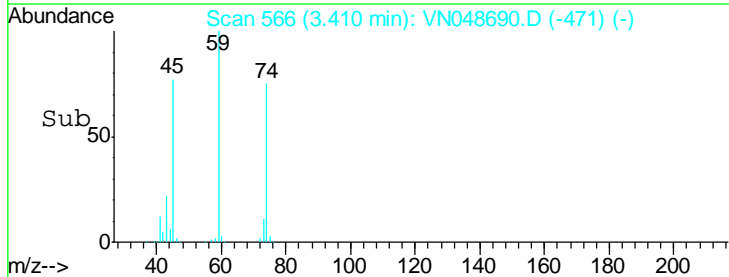
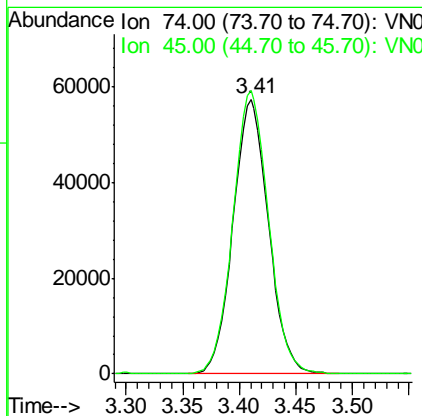
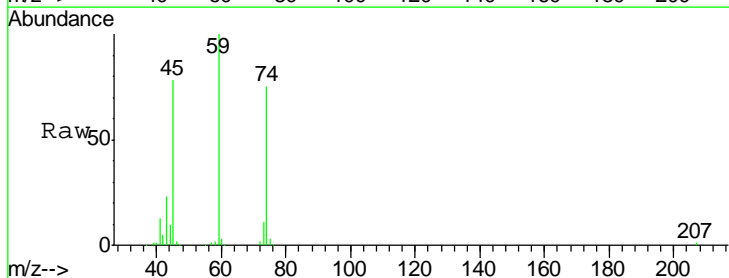
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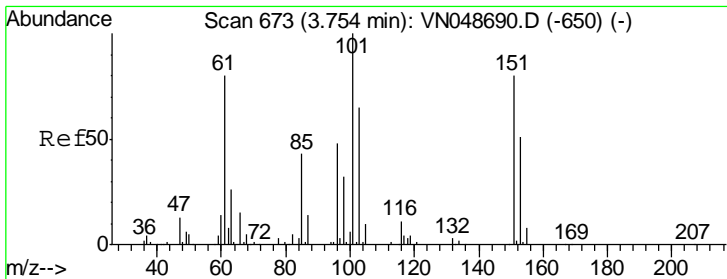
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#8
 Diethyl Ether
 Concen: 41.29 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

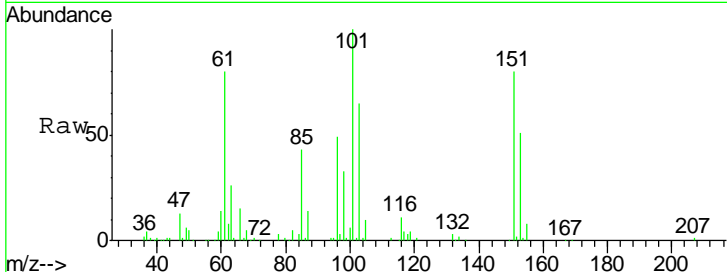
Tgt Ion	Resp	Lower	Upper
74	124716		
45	104.2	50.0	150.0





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 42.53 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

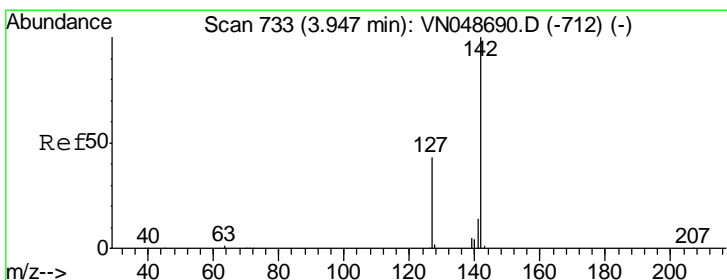
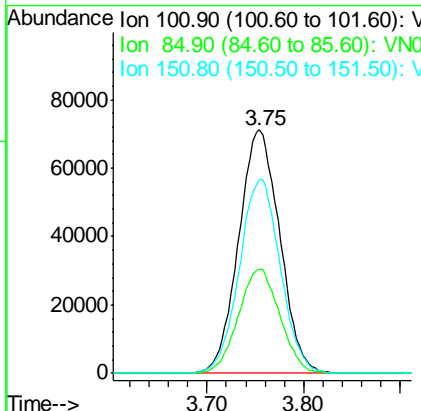
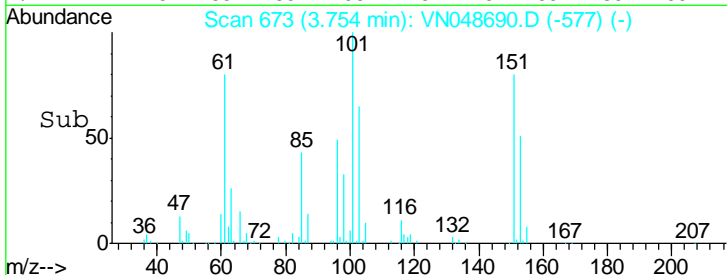


Tgt Ion: 101 Resp: 210016

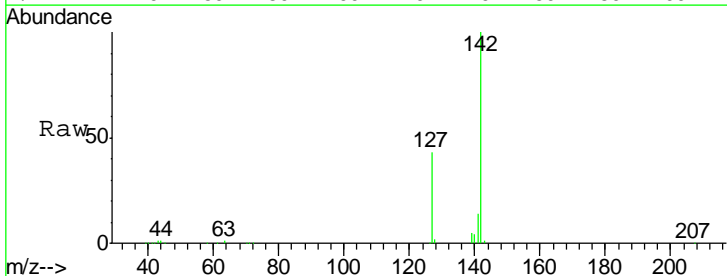
Ion	Ratio	Lower	Upper
101	100		
85	43.2	33.3	49.9
151	79.8	66.5	99.7

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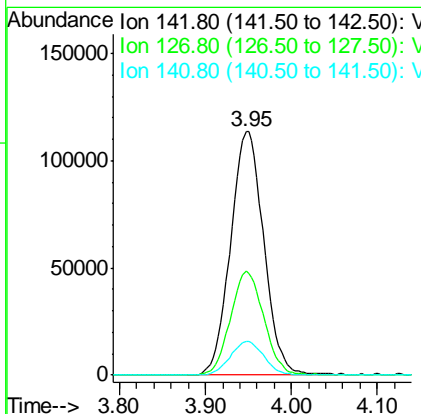
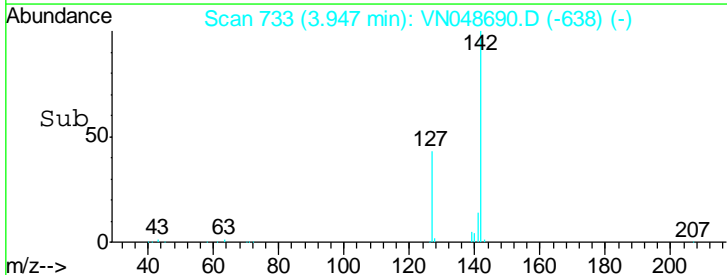


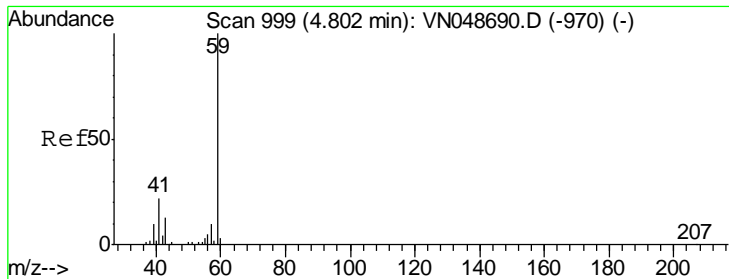
#10
 Methyl Iodide
 Concen: 41.74 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05



Tgt Ion: 142 Resp: 304669

Ion	Ratio	Lower	Upper
142	100		
127	42.8	32.5	48.7
141	14.0	11.3	16.9





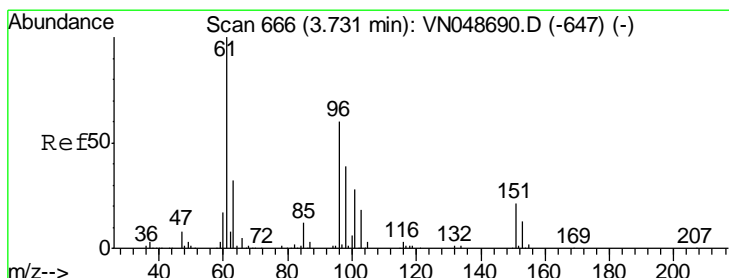
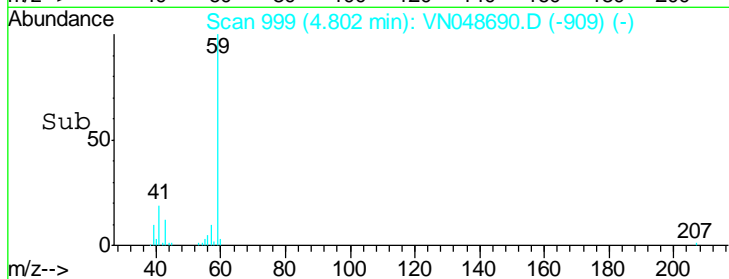
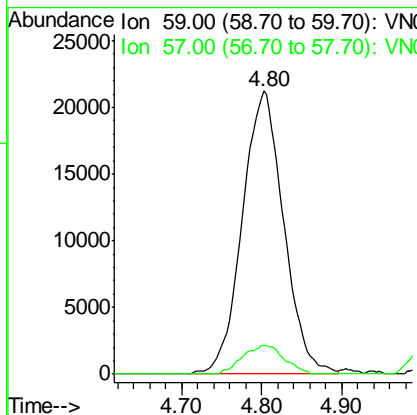
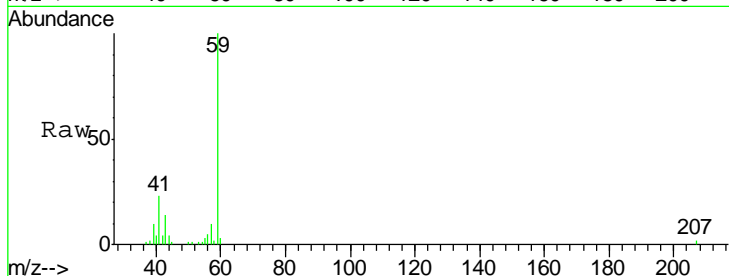
#11
 Tert butyl alcohol
 Concen: 134.02 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
59	74838		
57	10.3	8.1	12.1

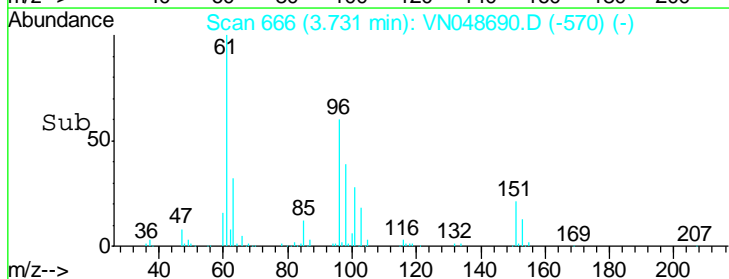
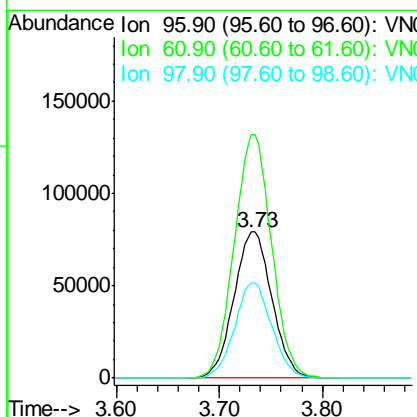
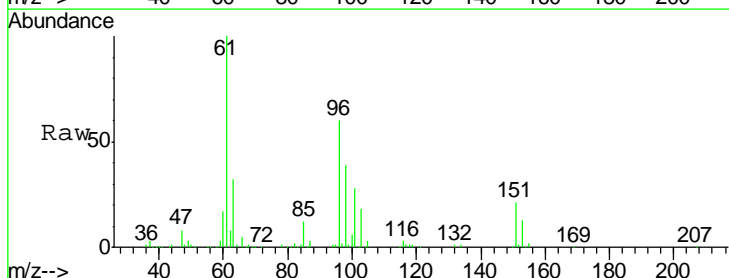
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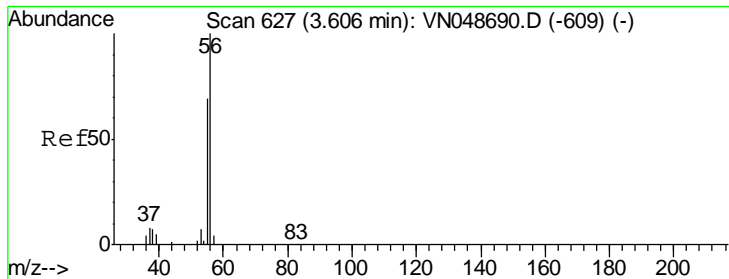
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#12
 1,1-Dichloroethene
 Concen: 44.39 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
96	202446		
61	166.9	125.6	188.4
98	65.4	51.0	76.4





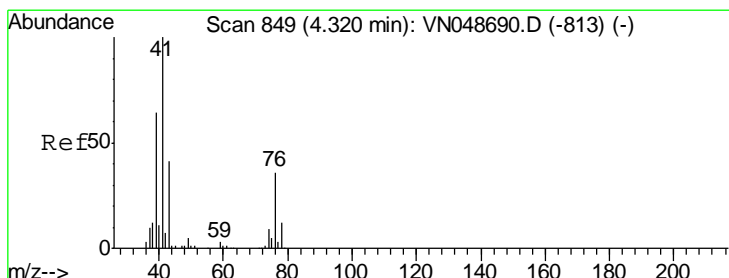
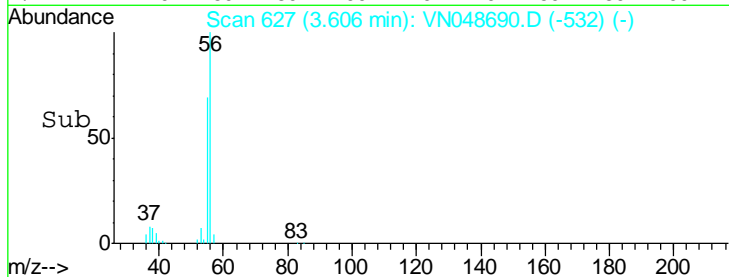
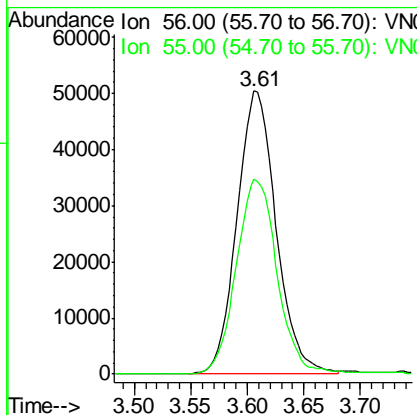
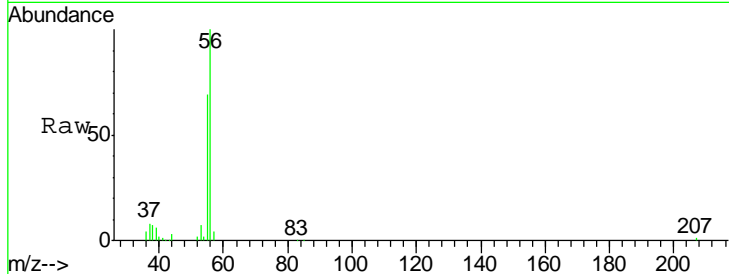
#13
 Acrolein
 Concen: 169.50 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	121769		
55	71.7	57.1	85.7

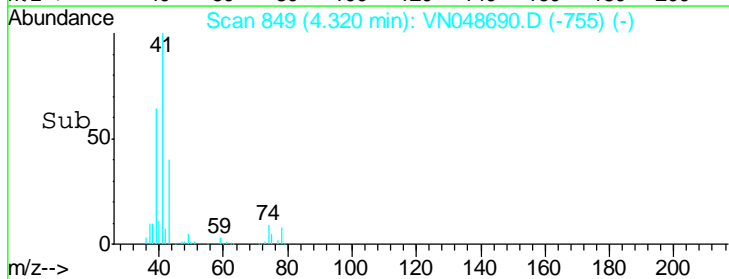
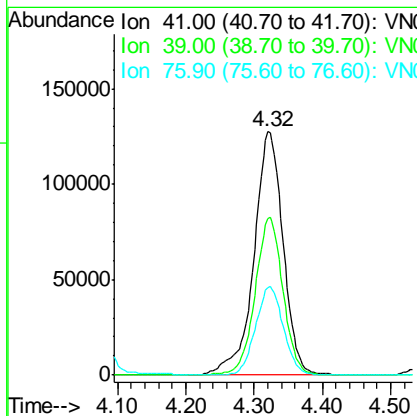
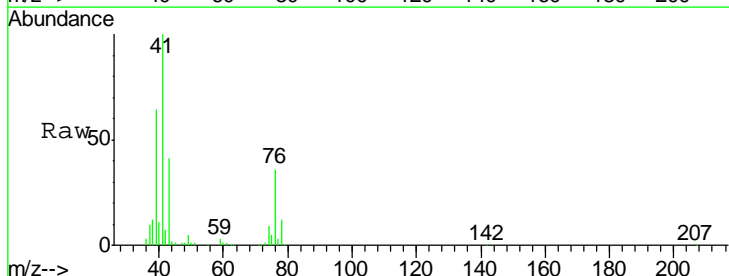
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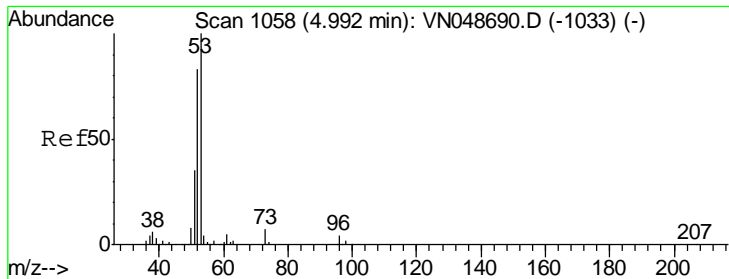
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#14
 Allyl chloride
 Concen: 42.99 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
41	379528		
39	61.7	51.1	76.7
76	34.1	28.2	42.2





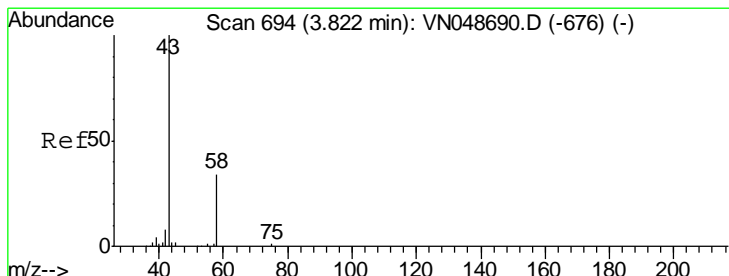
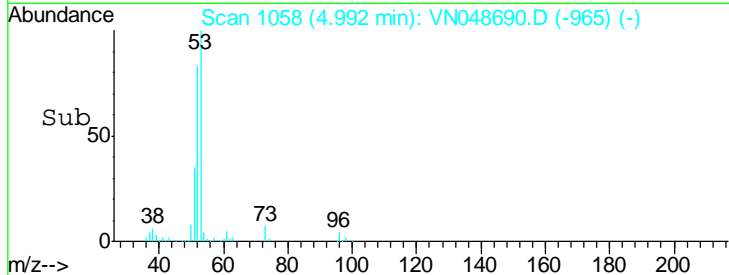
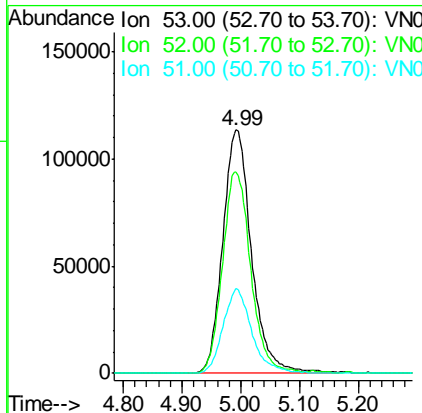
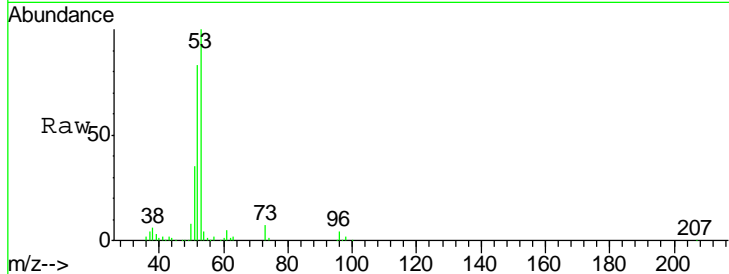
#15
 Acrylonitrile
 Concen: 170.35 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.4	65.5	98.3
51	34.9	28.8	43.2

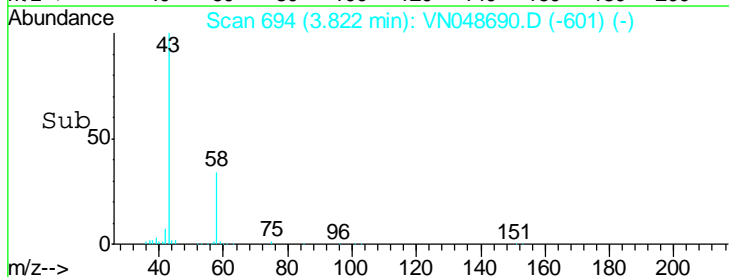
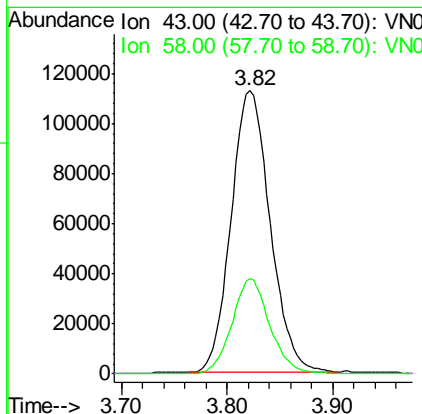
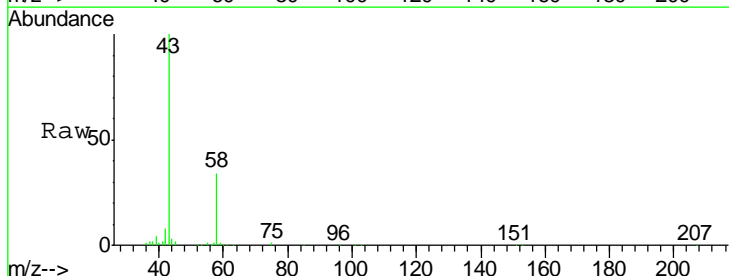
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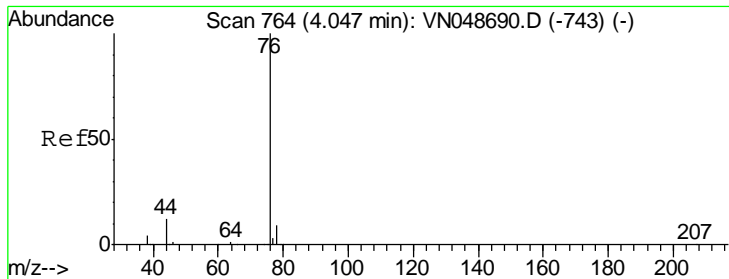
MMDadoda
 5/31/2018 11:12:36 AM



#16
 Acetone
 Concen: 131.42 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.5	25.4	38.0





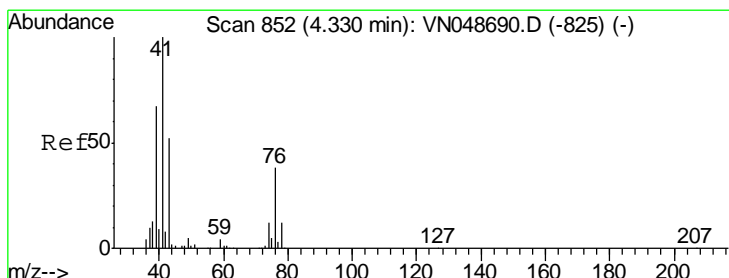
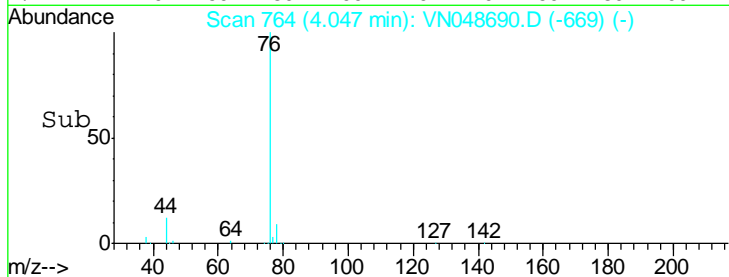
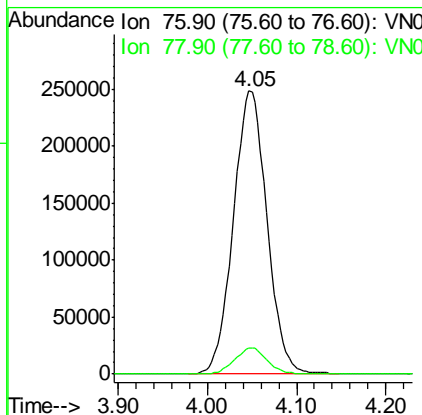
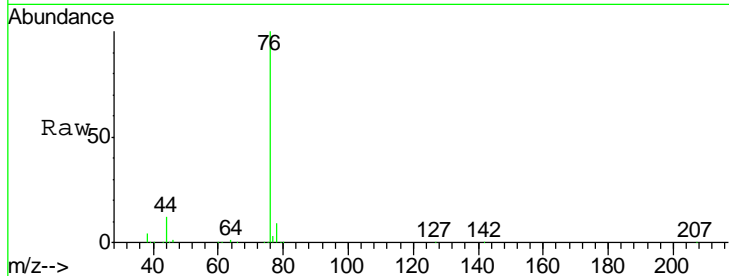
#17
 Carbon Disulfide
 Concen: 43.94 ug/l
 RT: 4.05 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.3	7.2	10.8

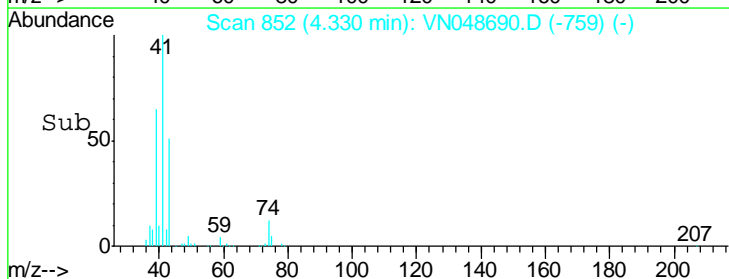
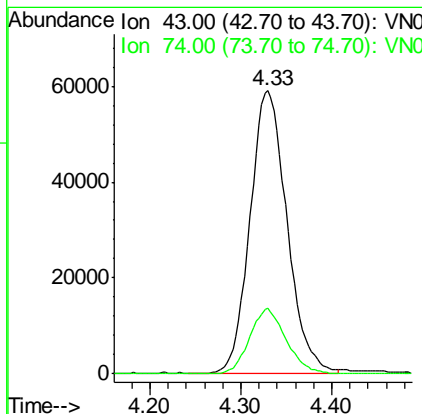
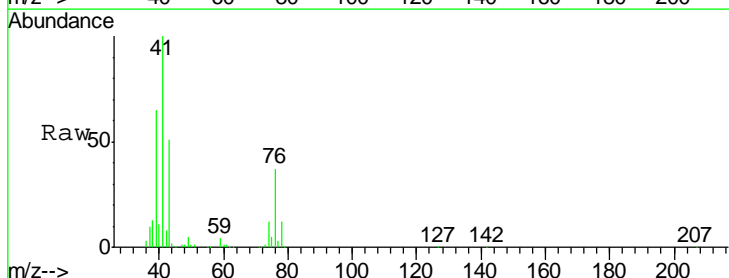
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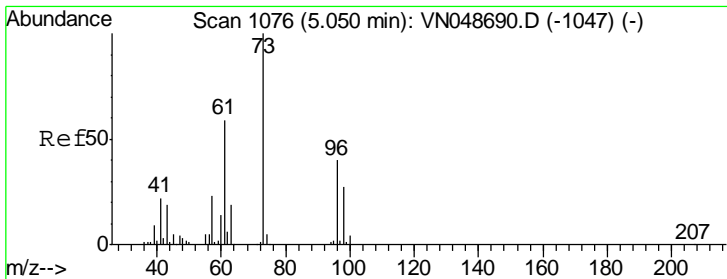
MMDadoda
 5/31/2018 11:12:36 AM



#18
 Methyl Acetate
 Concen: 26.06 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
43	100		
74	22.8	18.4	27.6





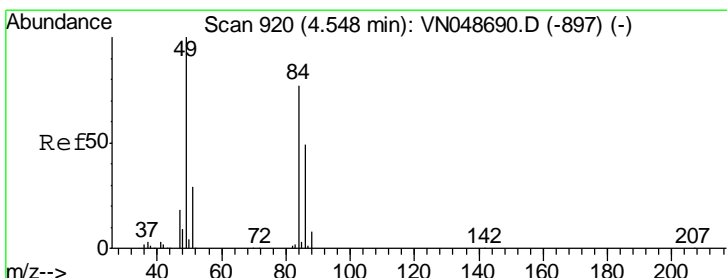
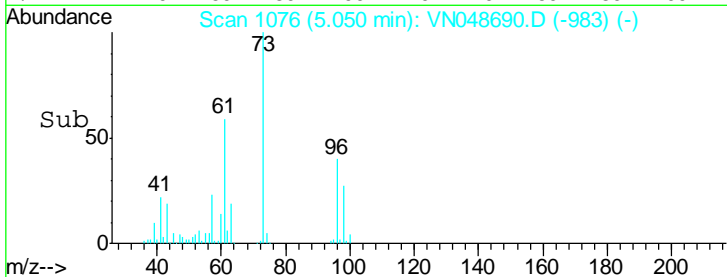
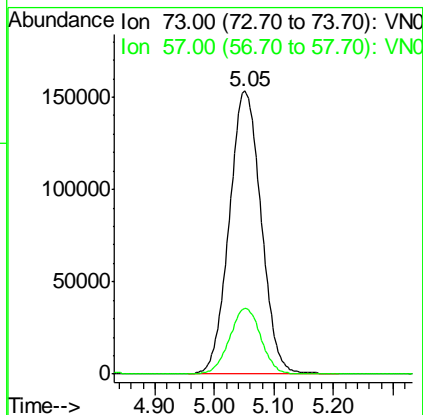
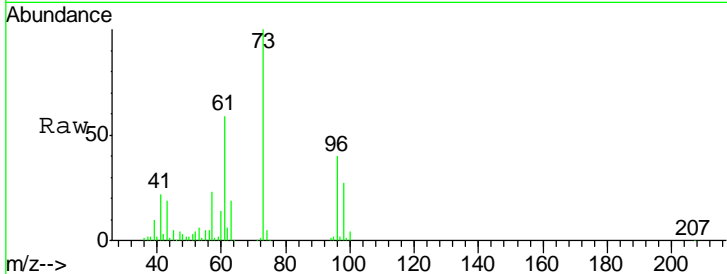
#19
 Methyl tert-butyl Ether
 Concen: 40.92 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
73	100		
57	23.1	18.0	27.0

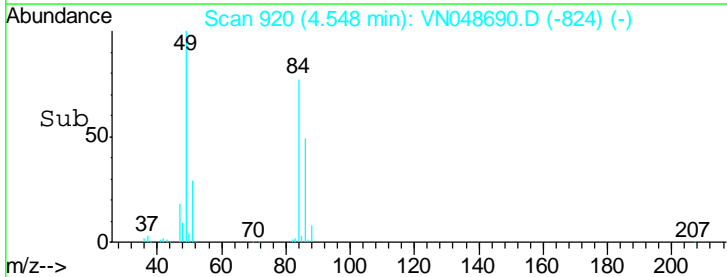
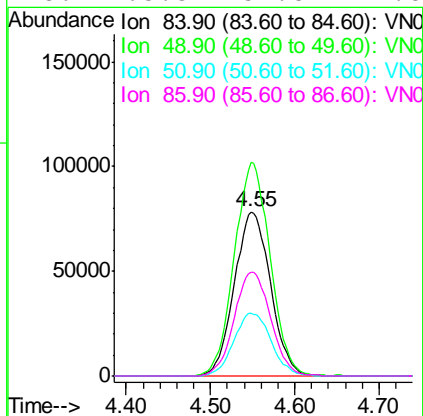
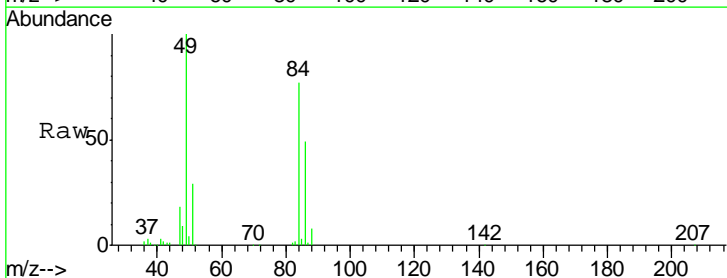
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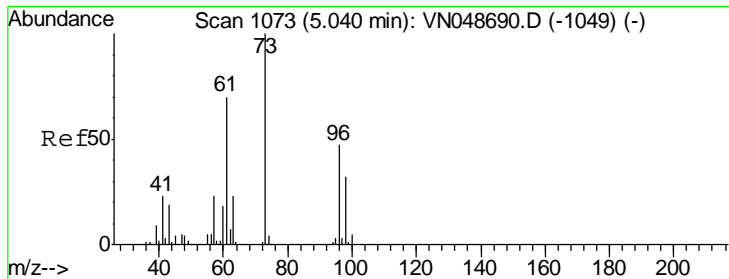
MMDadoda
 5/31/2018 11:12:36 AM



#20
 Methylene Chloride
 Concen: 40.50 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
84	100		
49	129.9	97.7	146.5
51	37.9	30.4	45.6
86	63.3	51.8	77.8





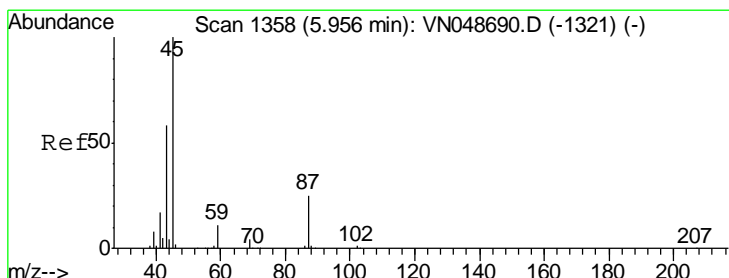
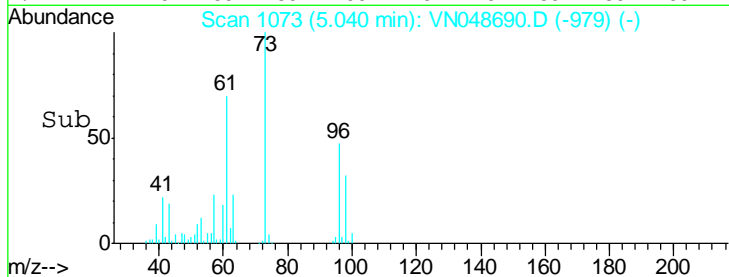
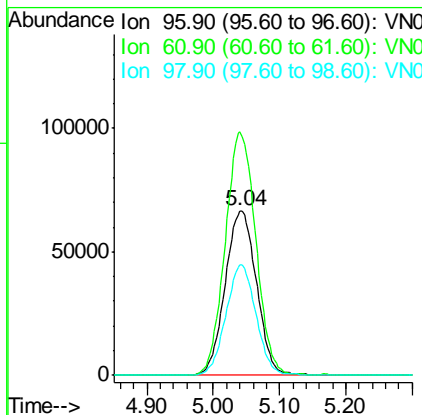
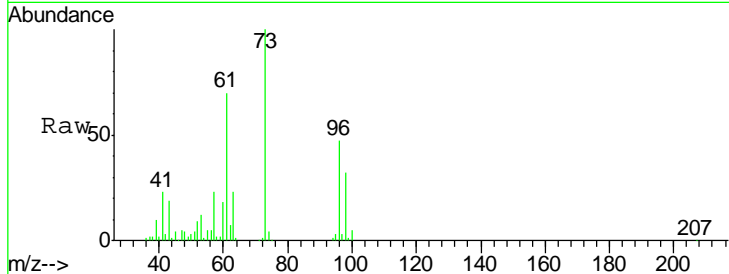
#21
 trans-1,2-Dichloroethene
 Concen: 44.17 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	219440		
96	100		
61	147.7	112.2	168.2
98	66.9	50.5	75.7

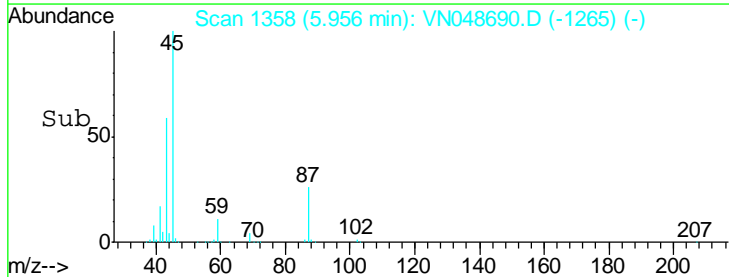
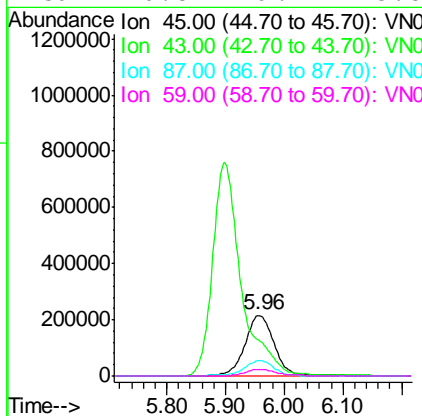
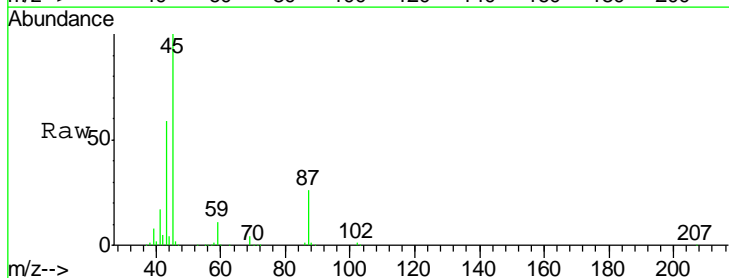
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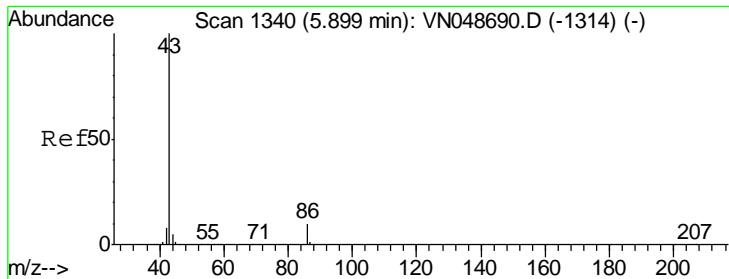
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#22
 Diisopropyl ether
 Concen: 44.99 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
45	750236		
45	100		
43	57.7	43.8	65.8
87	25.2	21.8	32.6
59	10.8	9.2	13.8





#23
 Vinyl Acetate
 Concen: 217.25 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

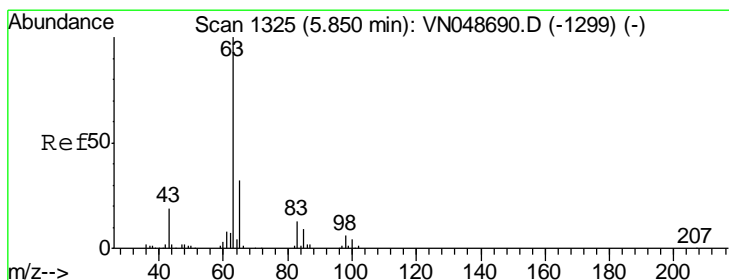
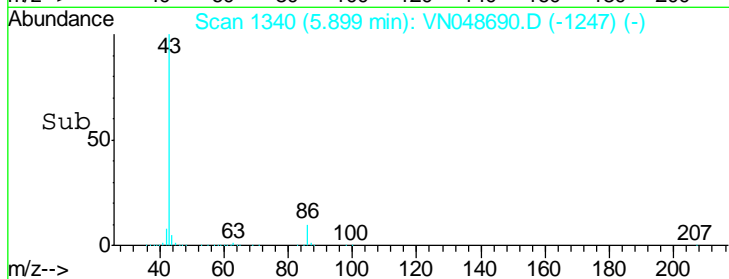
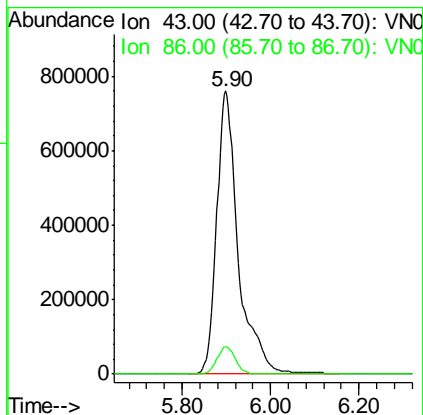
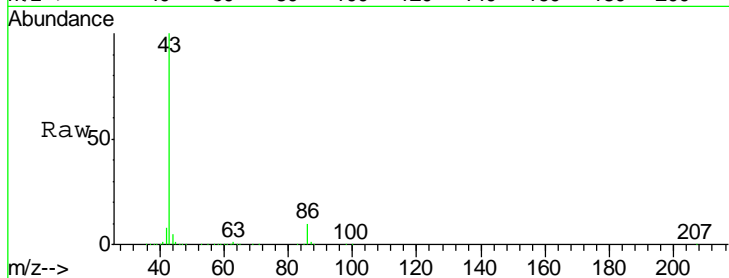
Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion: 43 Resp: 2595749

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.2	12.2

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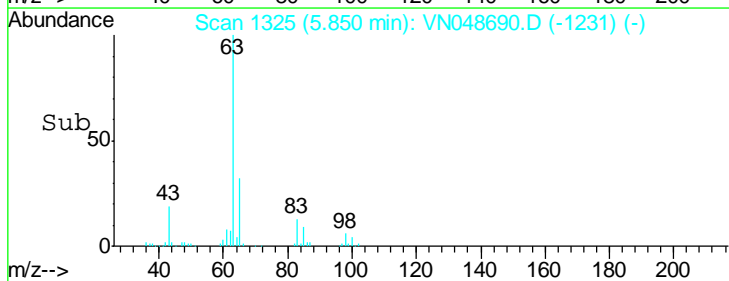
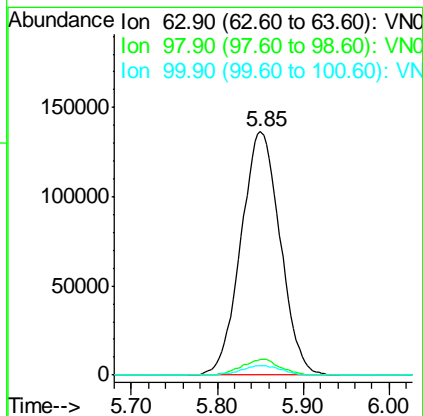
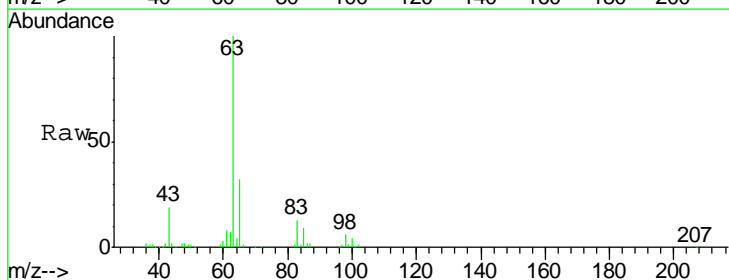
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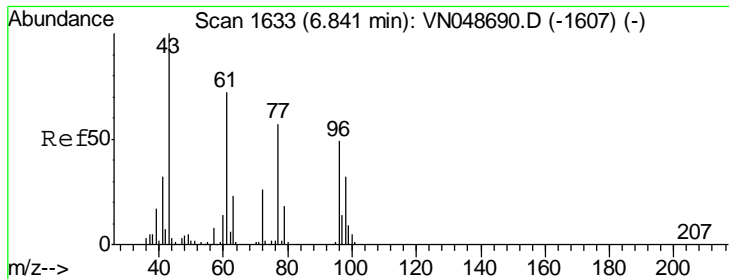


#24
 1,1-Dichloroethane
 Concen: 44.99 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion: 63 Resp: 432670

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	3.9	2.1	6.3





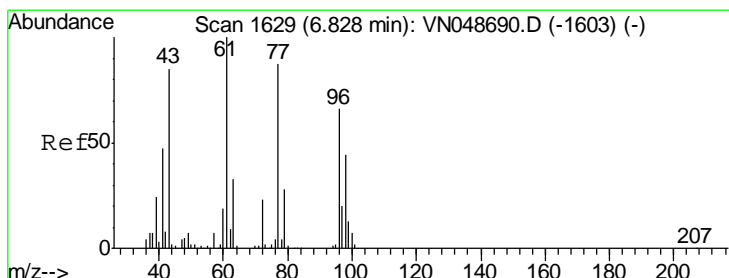
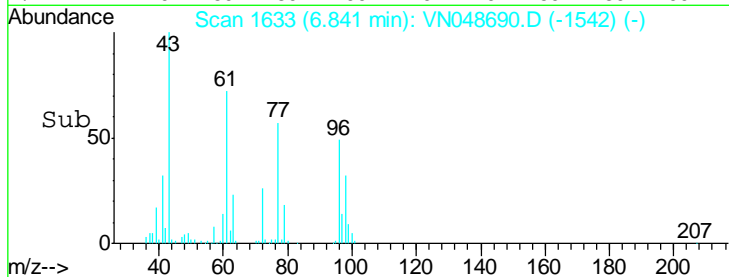
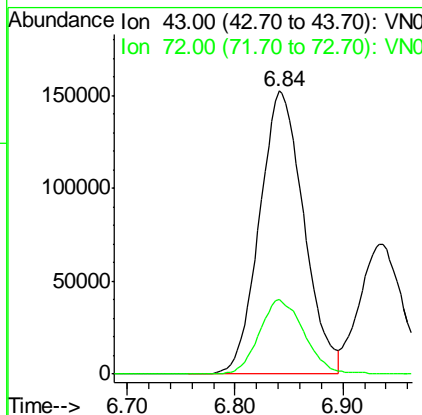
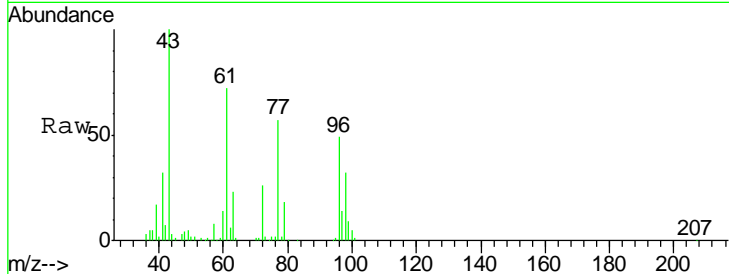
#25
 2-Butanone
 Concen: 147.65 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.4	20.8	31.2

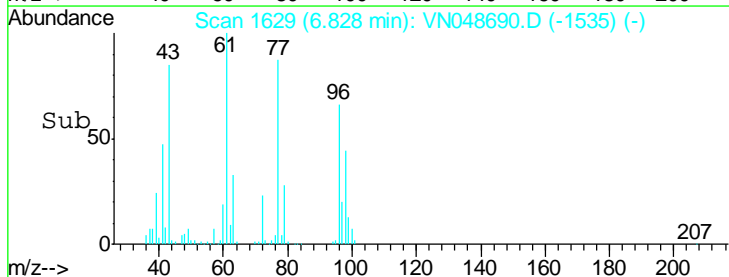
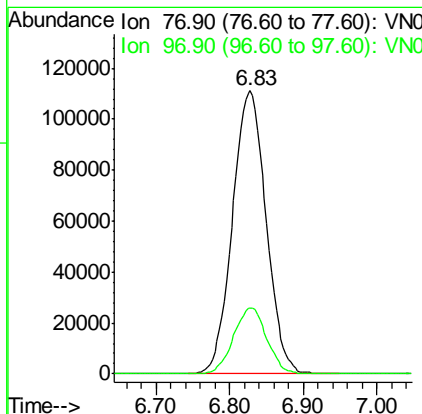
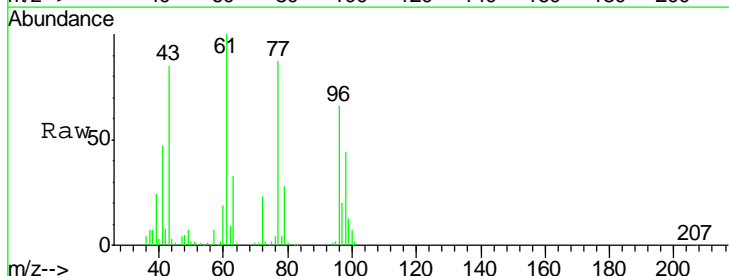
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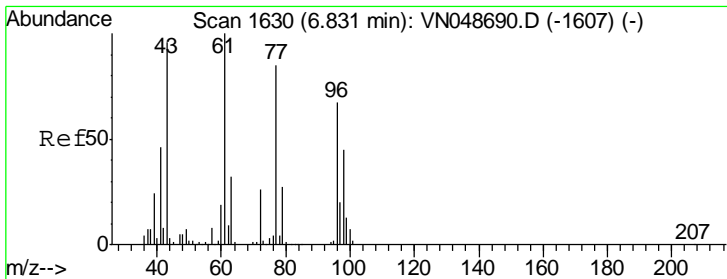
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#26
 2,2-Dichloropropane
 Concen: 44.95 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.1	11.9	35.5





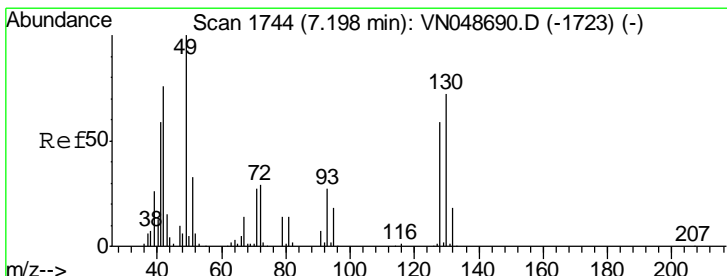
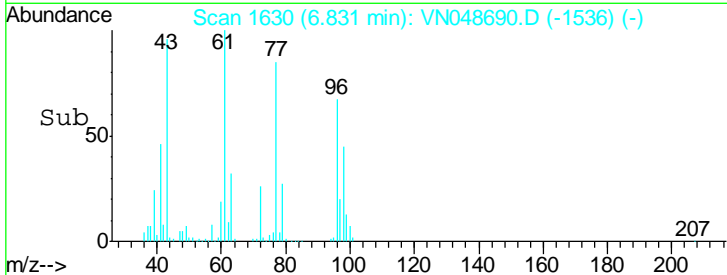
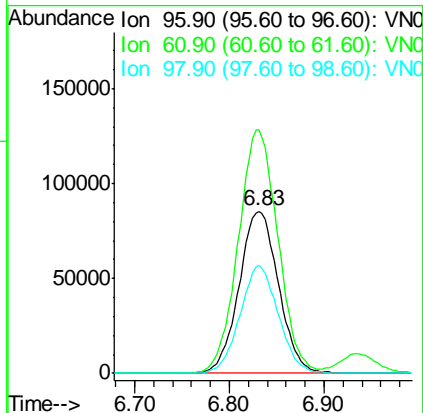
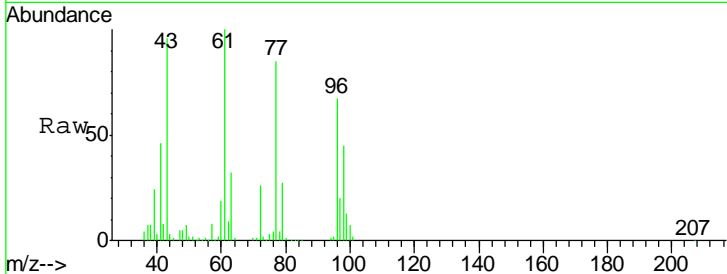
#27
 cis-1,2-Dichloroethene
 Concen: 44.13 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	247172		
96	100		
61	151.1	0.0	292.6
98	64.9	0.0	128.2

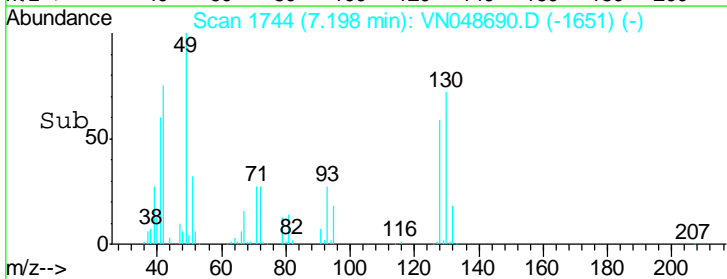
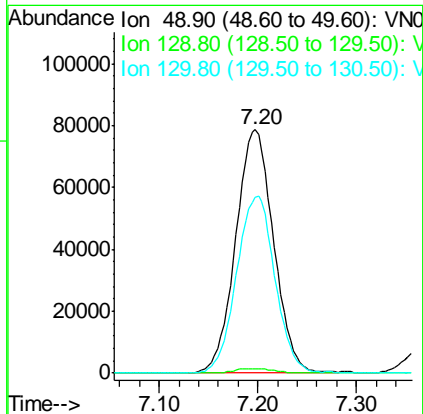
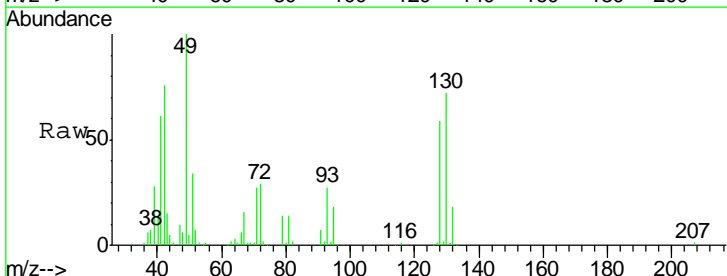
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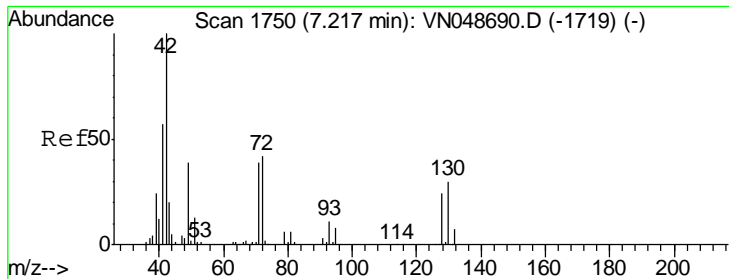
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#28
 Bromochloromethane
 Concen: 60.05 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
49	209372		
49	100		
129	1.9	0.0	3.8
130	73.6	64.2	96.2





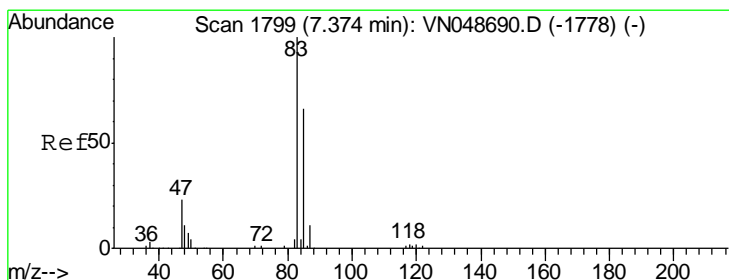
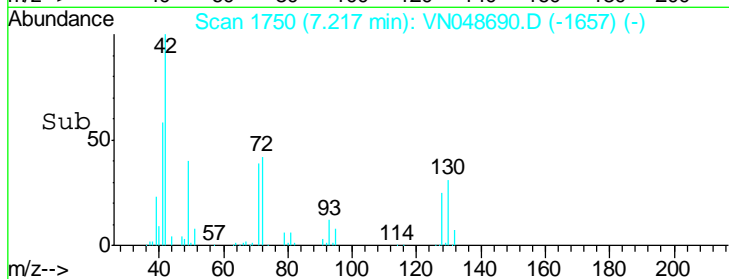
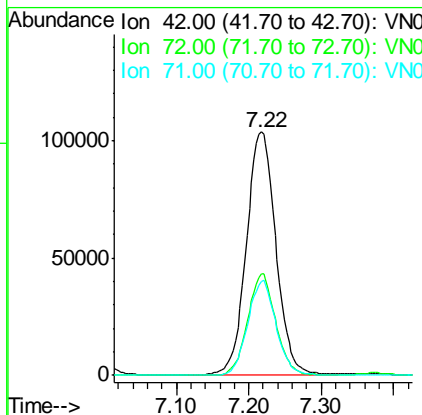
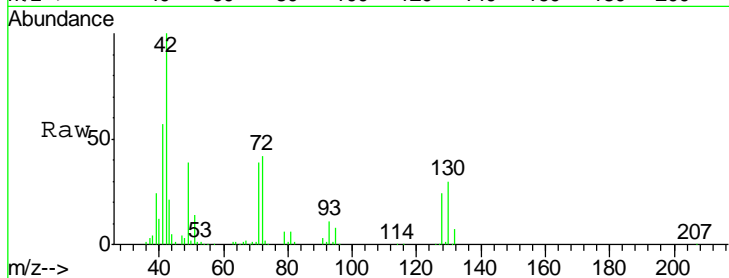
#29
 Tetrahydrofuran
 Concen: 158.52 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
42	100		
72	39.1	34.2	51.4
71	37.2	31.8	47.8

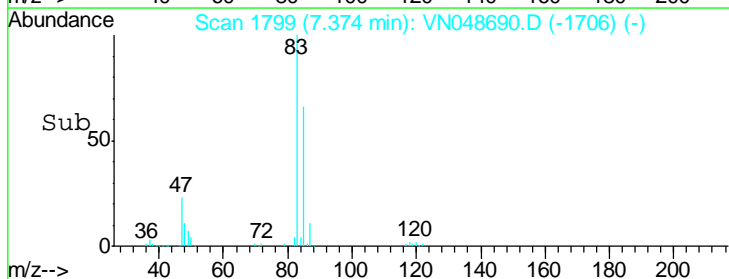
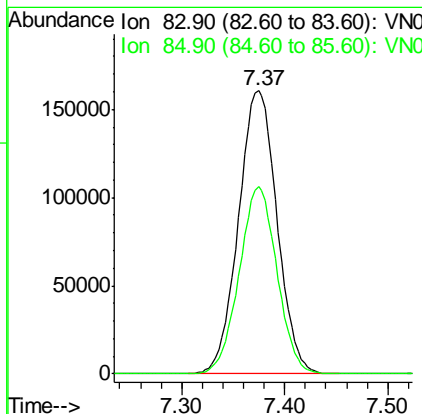
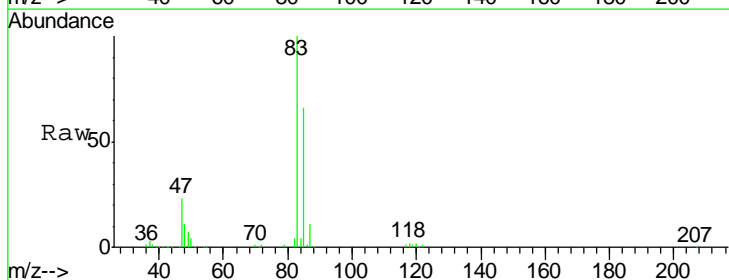
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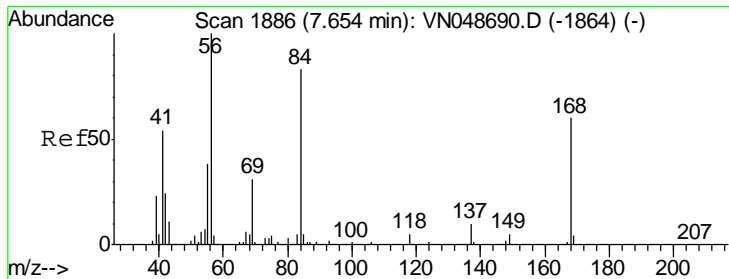
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#30
 Chloroform
 Concen: 44.40 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
83	100		
85	66.2	51.1	76.7





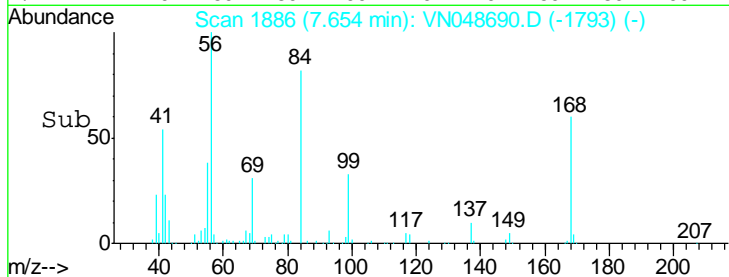
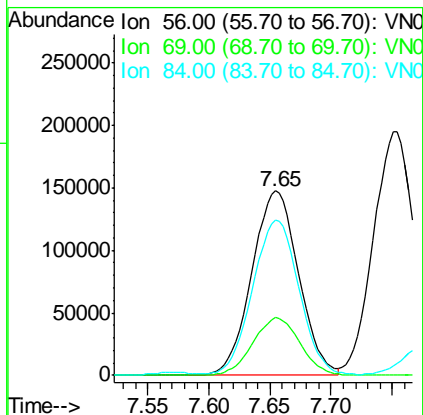
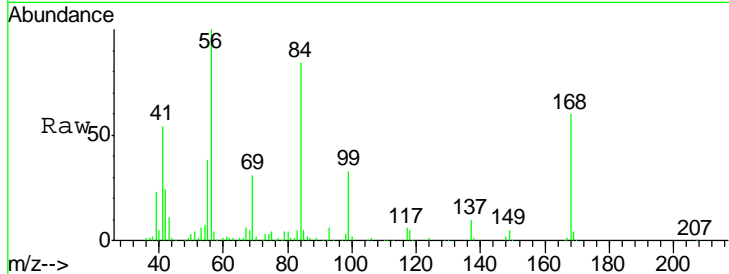
#31
 Cyclohexane
 Concen: 40.06 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	31.2	25.6	38.4
84	82.7	67.5	101.3

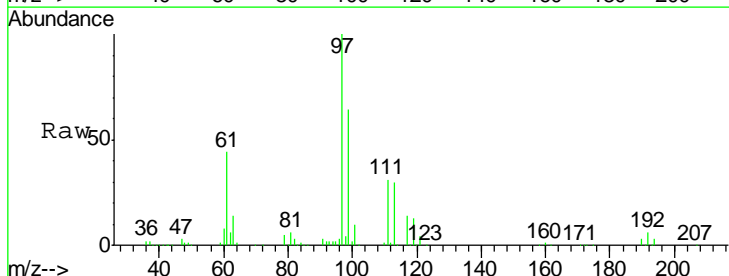
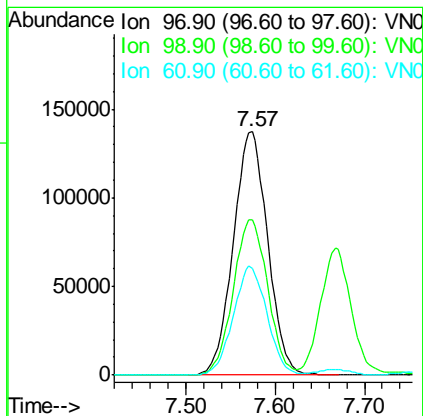
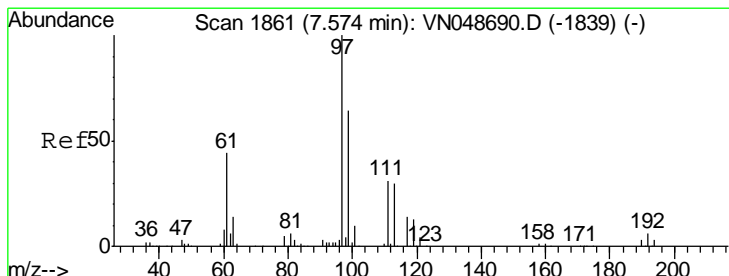
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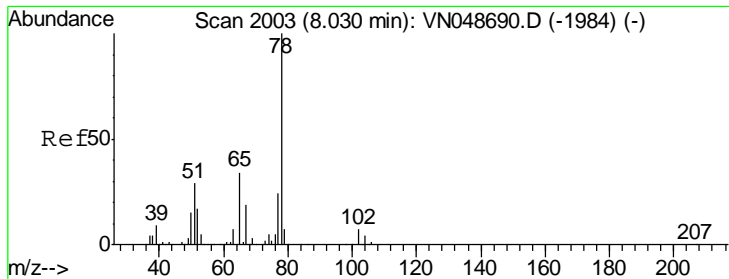
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#32
 1,1,1-Trichloroethane
 Concen: 44.81 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.8	51.4	77.2
61	43.9	34.2	51.2





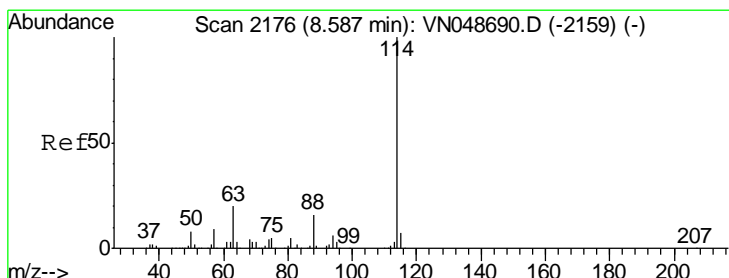
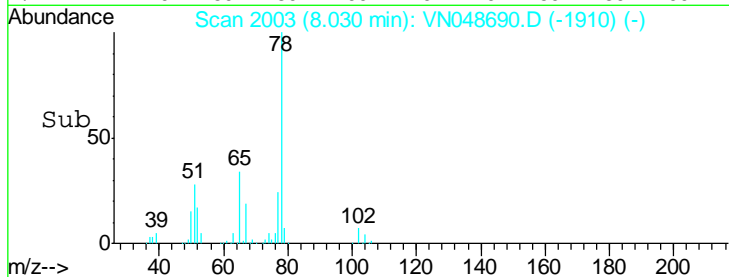
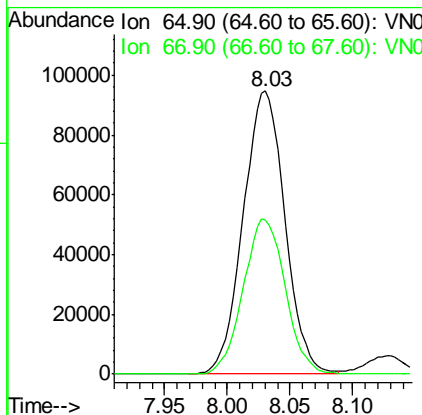
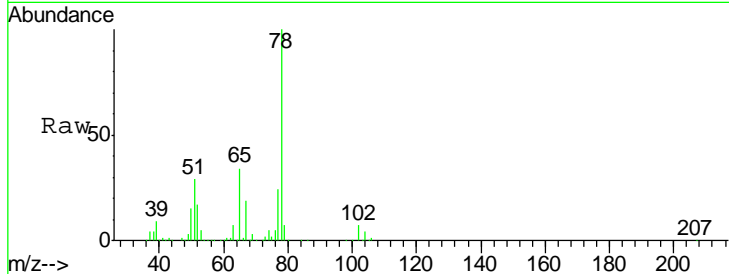
#33
 1,2-Dichloroethane-d4
 Concen: 36.21 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
65	100		
67	55.3	0.0	108.4

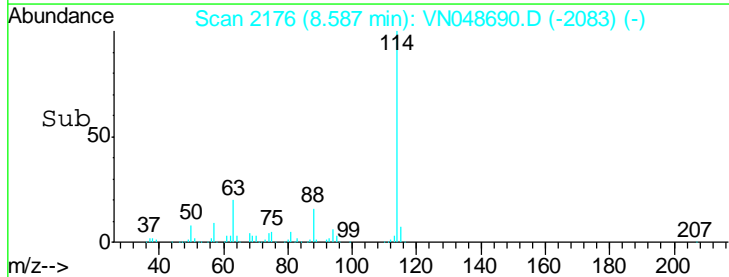
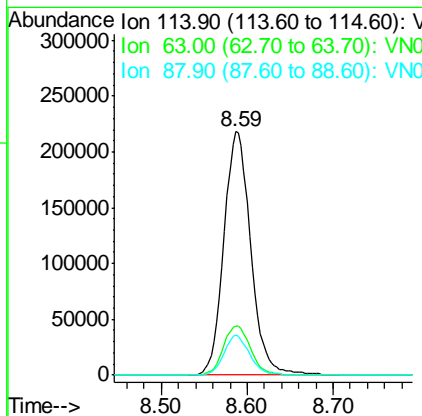
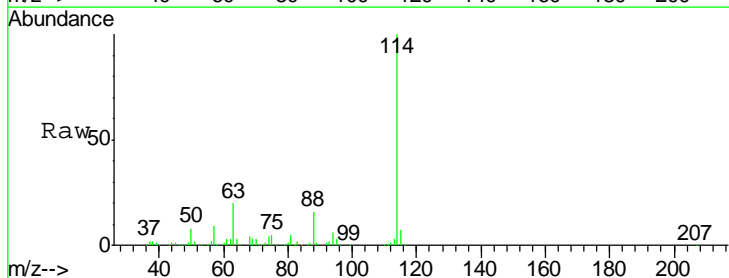
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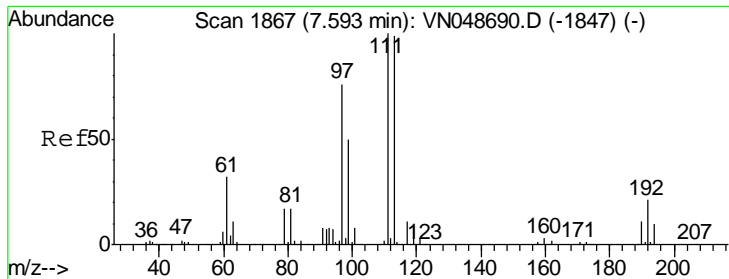
MMDadoda
 5/31/2018 11:12:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

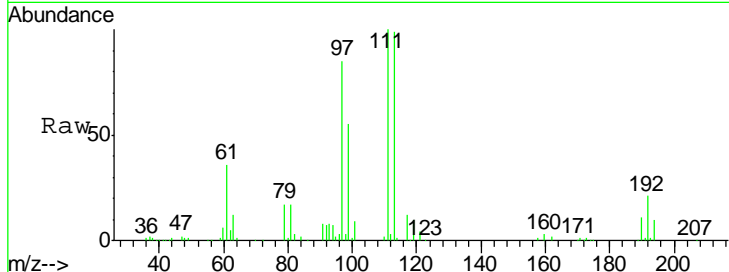
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.4	0.0	40.0
88	16.3	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 40.31 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

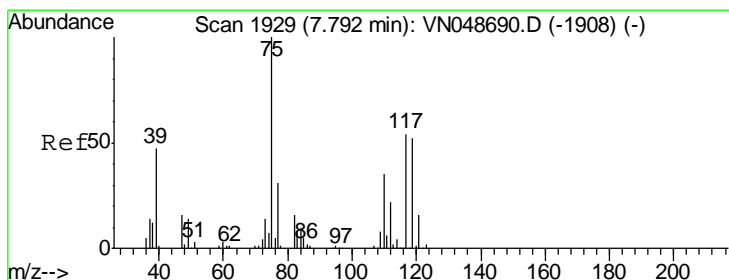
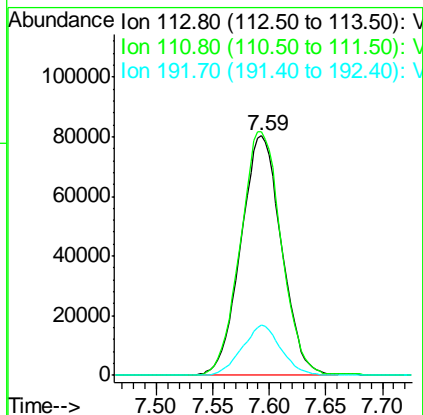
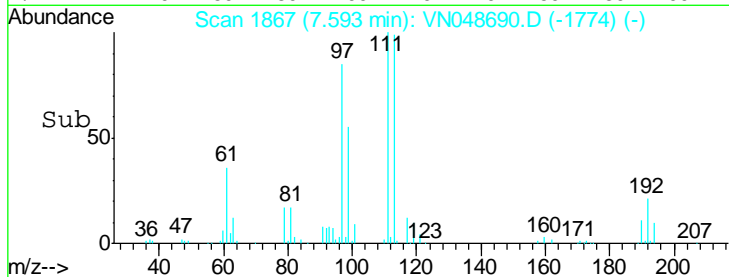
Instrument : MSVOA_N
 Client Sampled : VSTDICCC050



Tgt Ion: 113 Resp: 200843

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.7	122.5
192	20.0	17.6	26.4

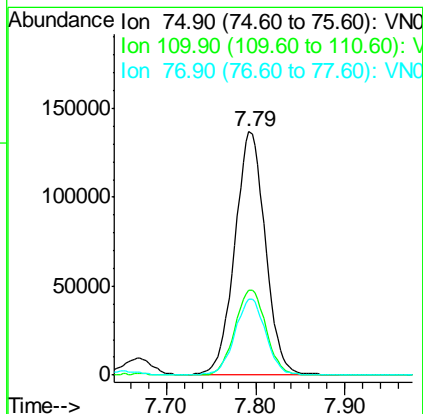
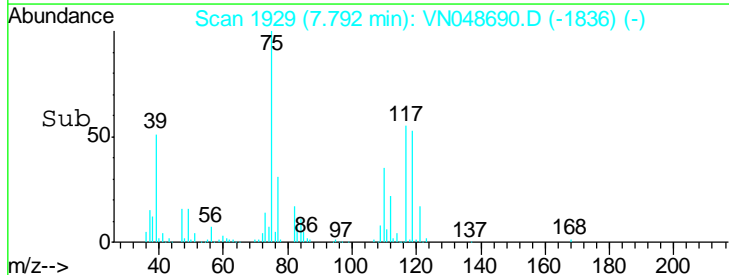
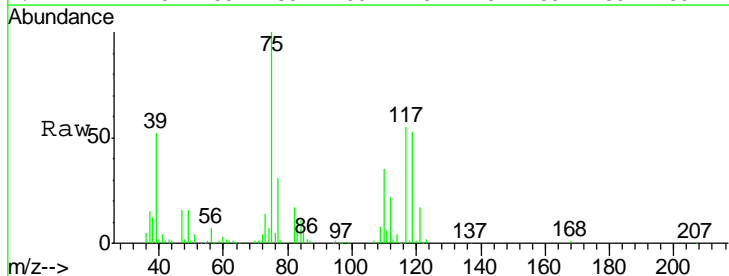
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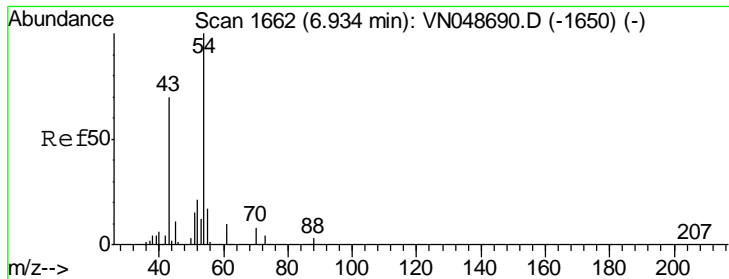


#36
 1,1-Dichloropropene
 Concen: 46.60 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion: 75 Resp: 325001

Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.4	55.0
77	31.8	25.0	37.4





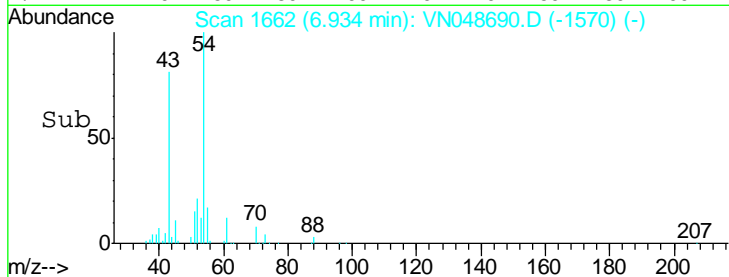
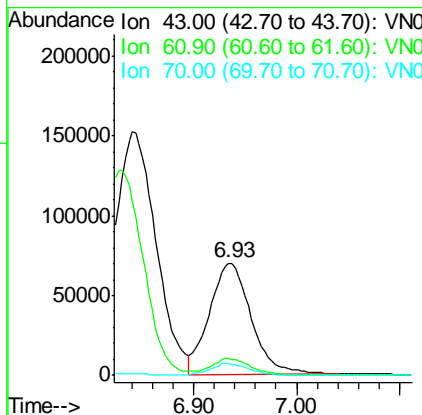
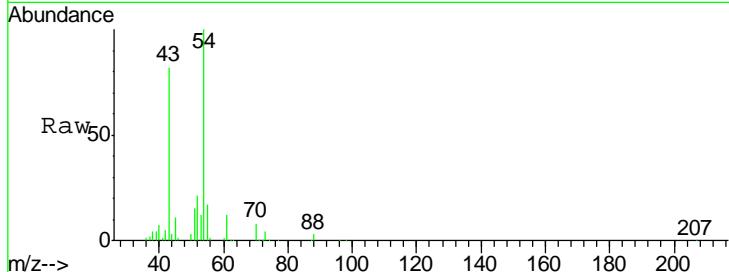
#37
 Ethyl Acetate
 Concen: 33.68 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.4	11.4	17.2
70	9.9	8.6	12.8

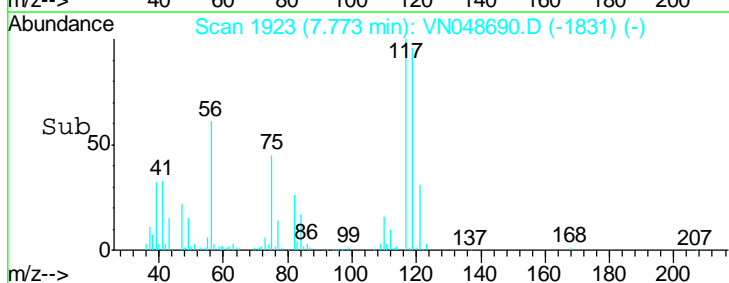
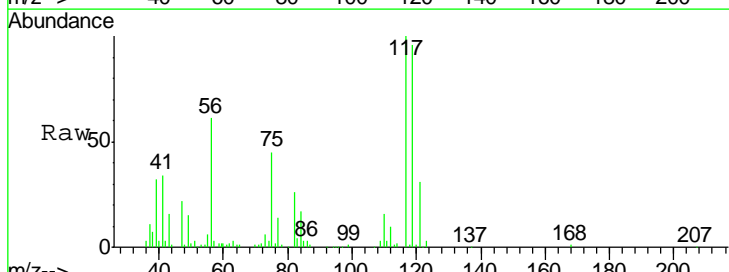
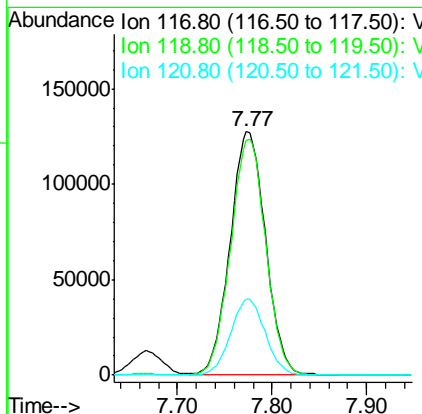
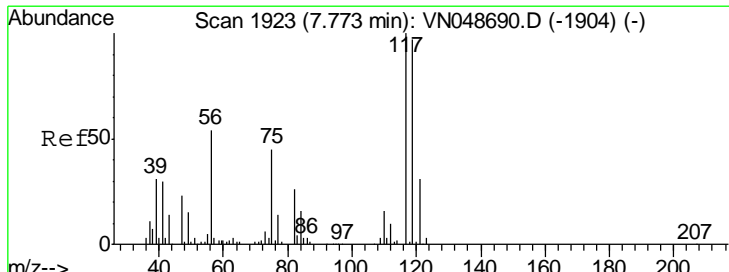
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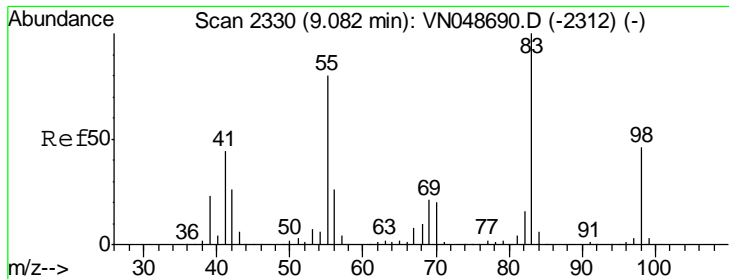
MMDadoda
 5/31/2018 11:12:36 AM



#38
 Carbon Tetrachloride
 Concen: 45.83 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
117	100		
119	96.4	78.0	117.0
121	31.2	24.5	36.7





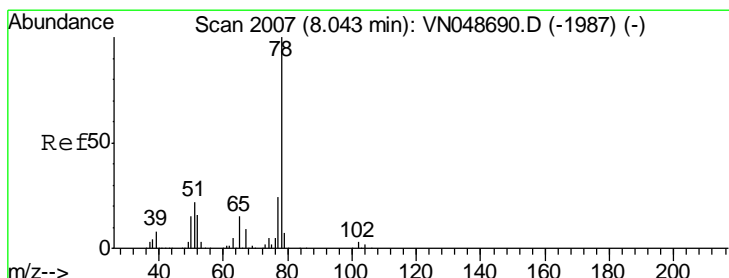
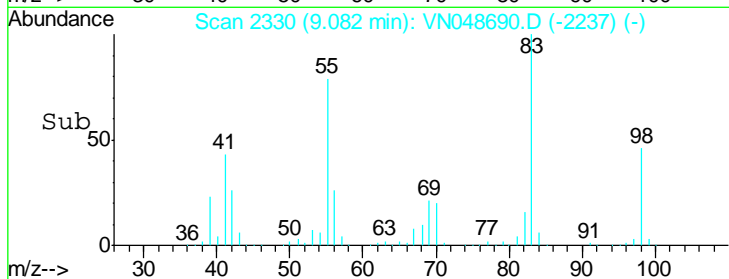
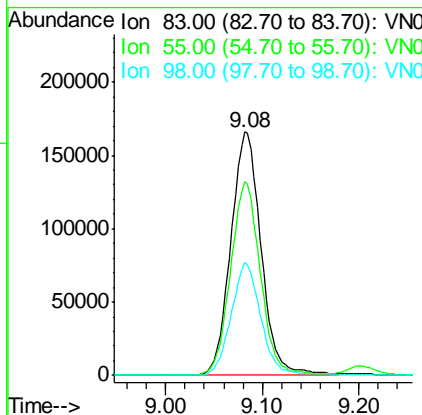
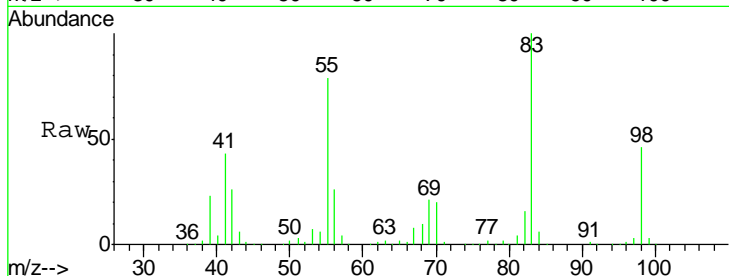
#39
 Methylcyclohexane
 Concen: 46.85 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	361803		
83	100		
55	79.5	61.7	92.5
98	46.4	36.8	55.2

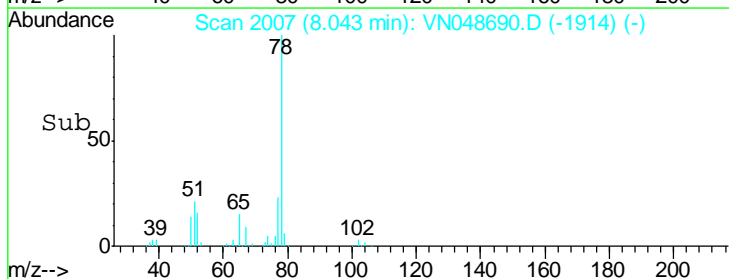
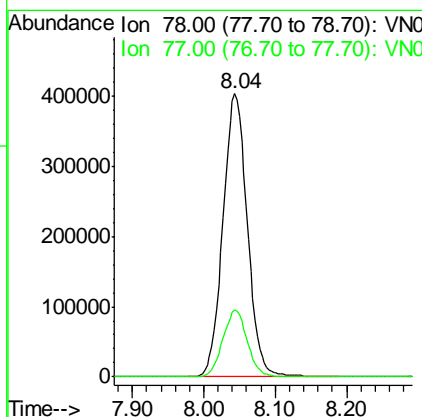
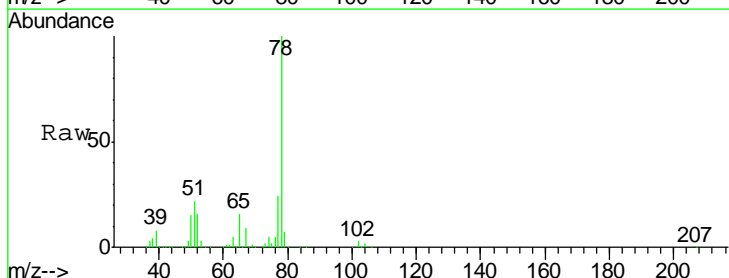
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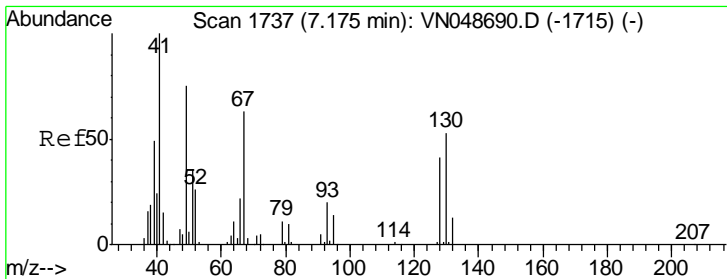
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#40
 Benzene
 Concen: 46.01 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
78	960677		
78	100		
77	23.5	18.7	28.1





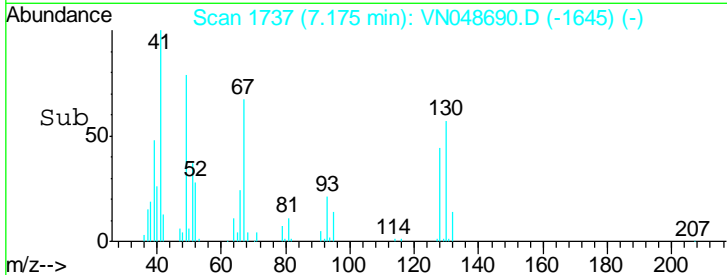
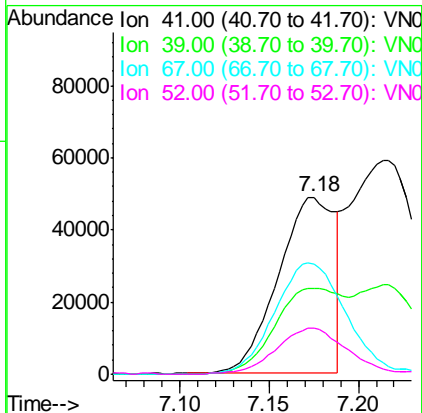
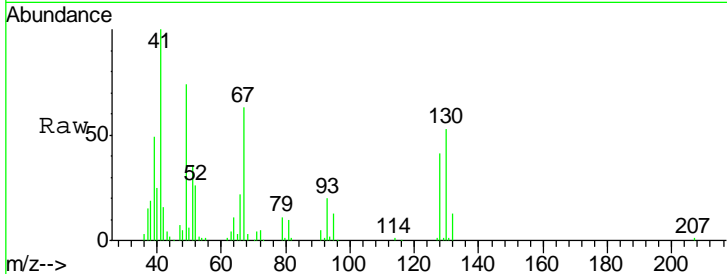
#41
 Methacrylonitrile
 Concen: 35.10 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
41	100		
39	59.6	47.4	71.2
67	80.1	62.4	93.6
52	33.3	25.6	38.4

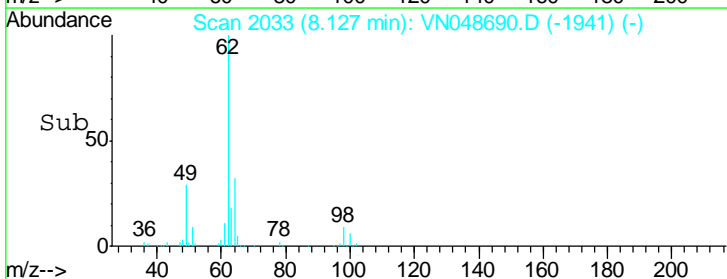
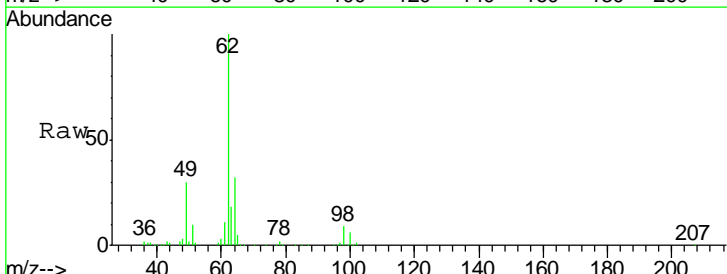
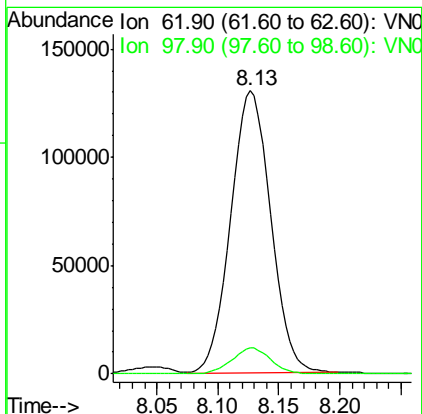
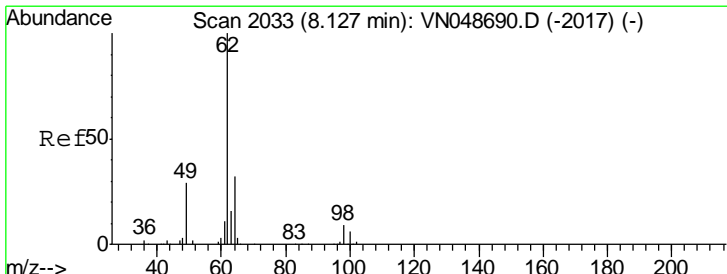
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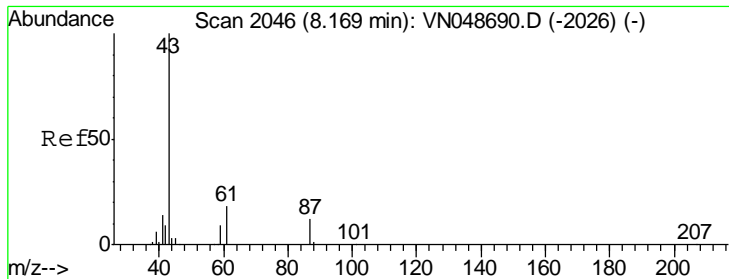
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#42
 1,2-Dichloroethane
 Concen: 43.47 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
62	100		
98	8.9	0.0	18.2





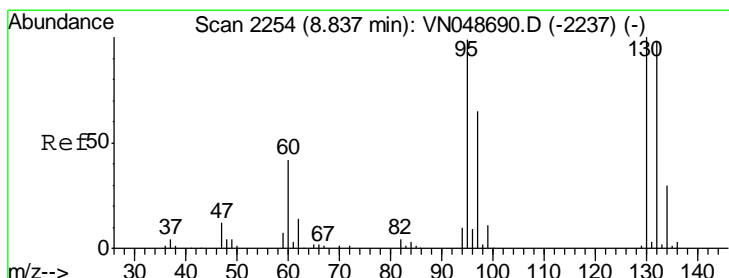
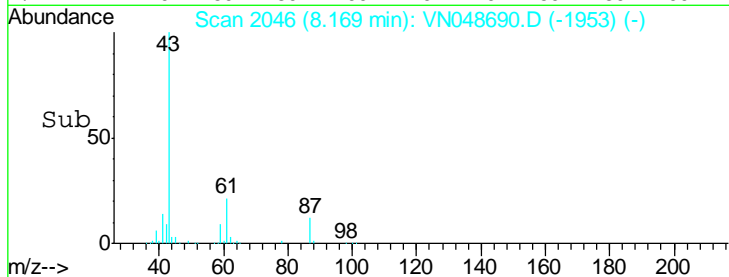
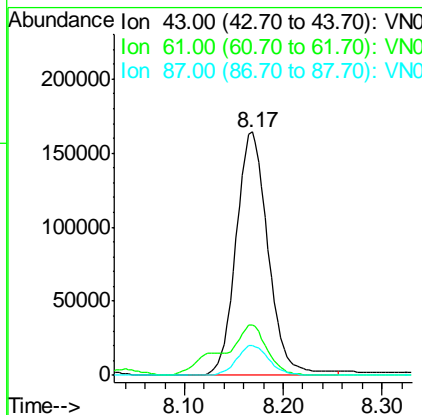
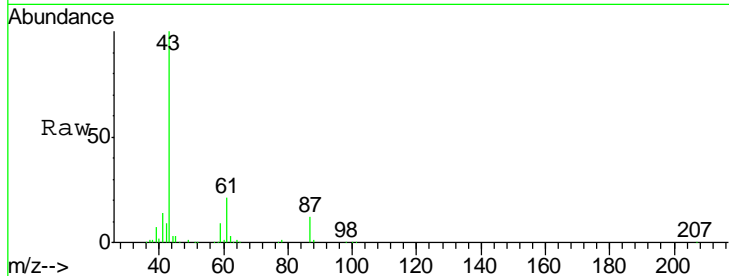
#43
 Isopropyl Acetate
 Concen: 36.71 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.0	22.2	33.2#
87	12.3	10.6	15.8

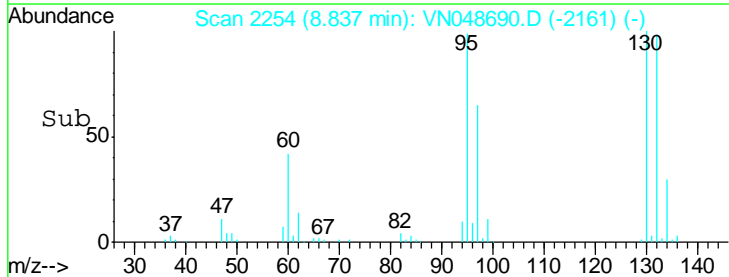
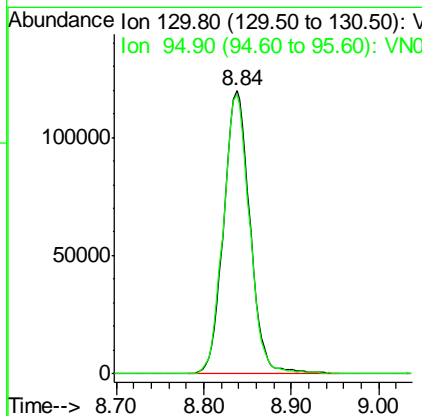
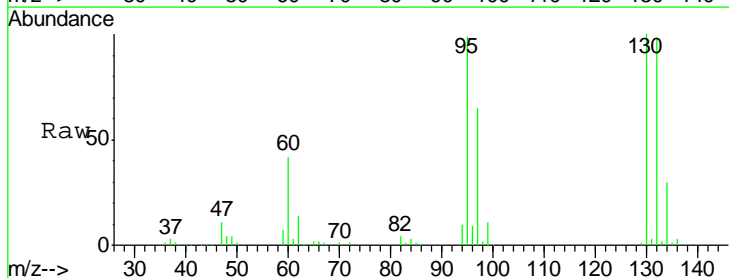
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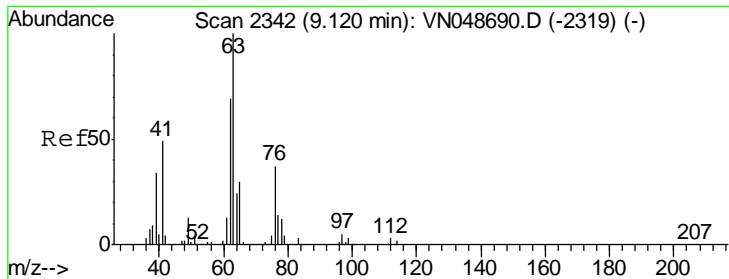
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#44
 Trichloroethene
 Concen: 47.42 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
130	100		
95	98.6	0.0	191.6





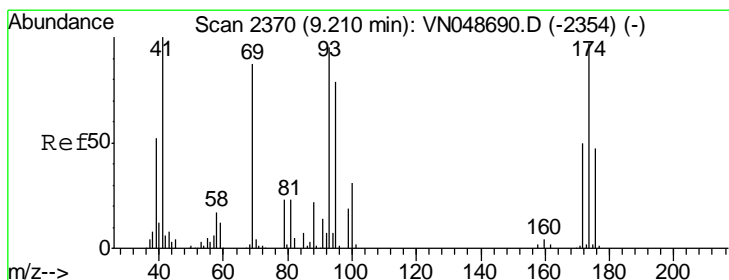
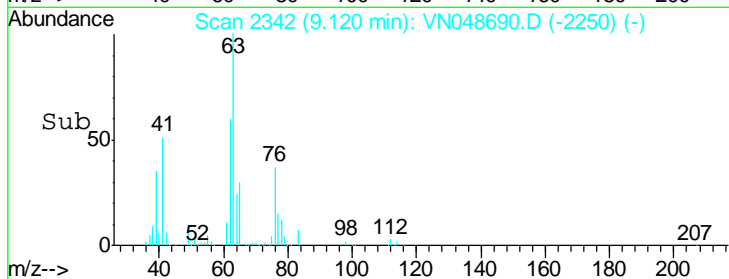
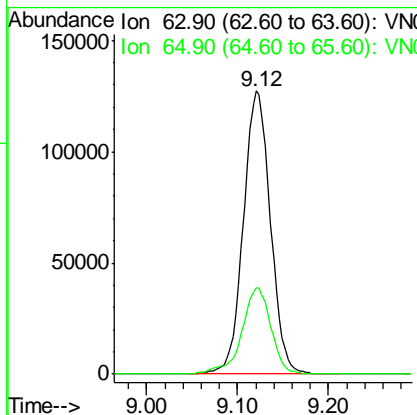
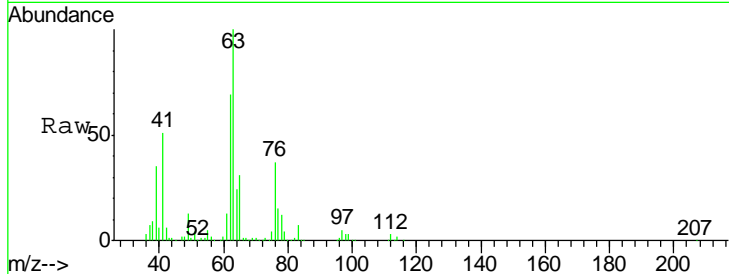
#45
 1,2-Dichloropropane
 Concen: 46.43 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.6	23.9	35.9

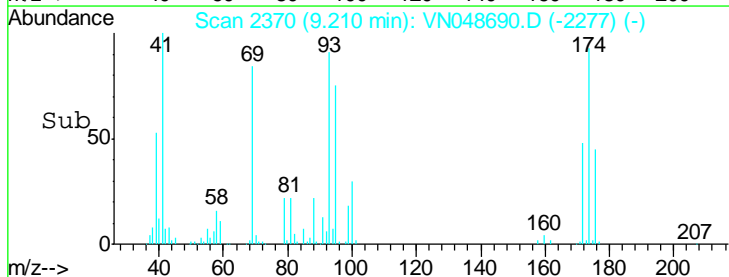
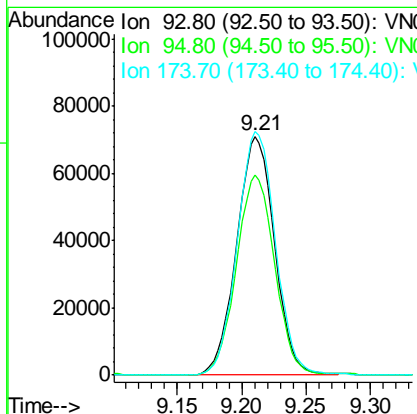
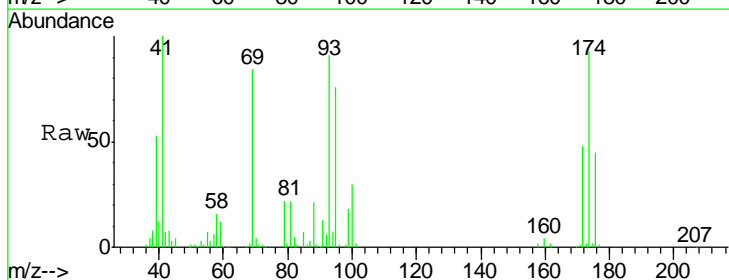
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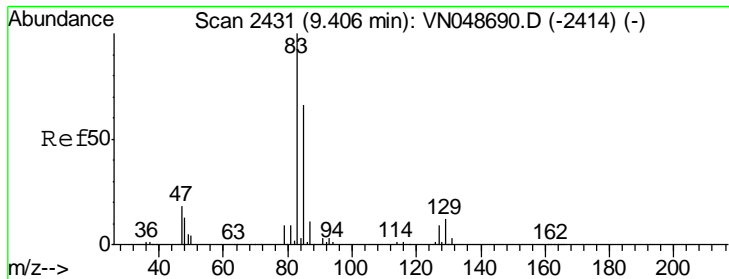
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#46
 Dibromomethane
 Concen: 41.86 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.5	66.7	100.1
174	102.6	87.7	131.5





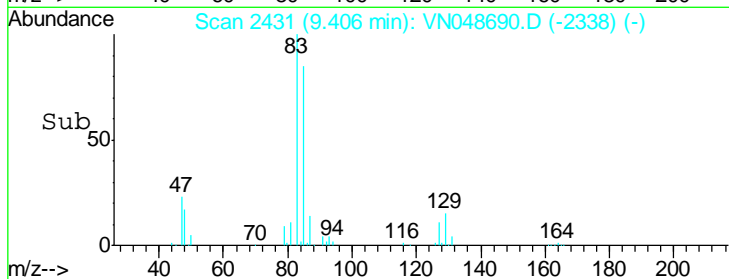
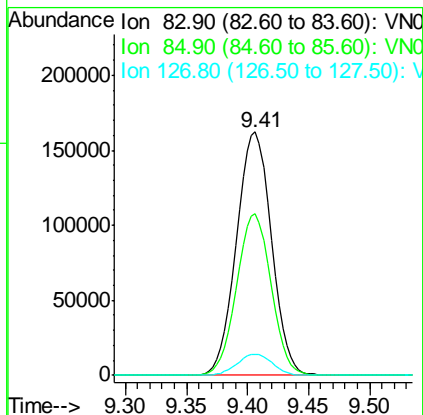
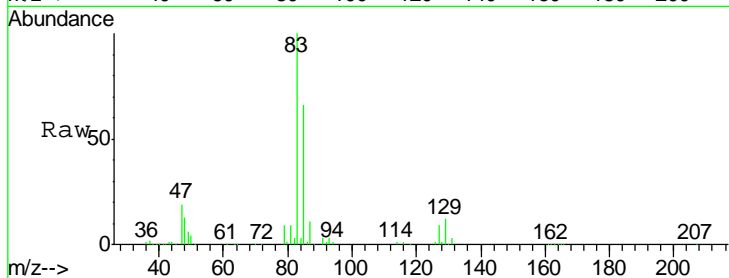
#47
 Bromodichloromethane
 Concen: 45.55 ug/l
 RT: 9.41 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	100		
85	66.2	52.1	78.1
127	8.6	7.3	10.9

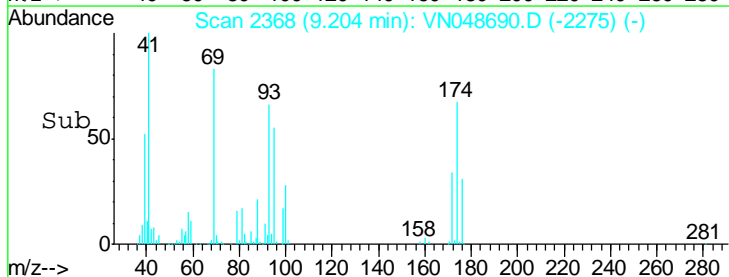
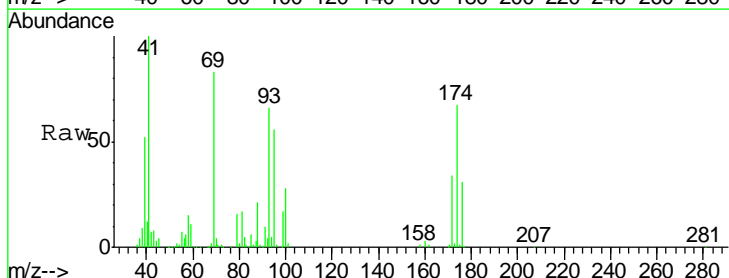
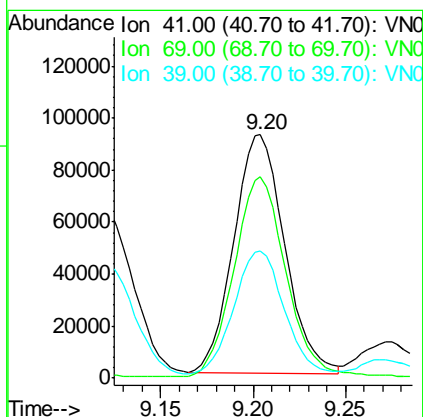
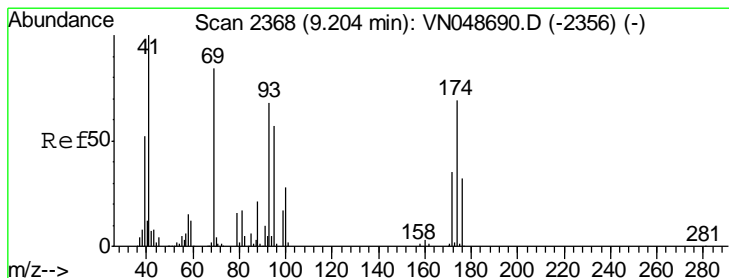
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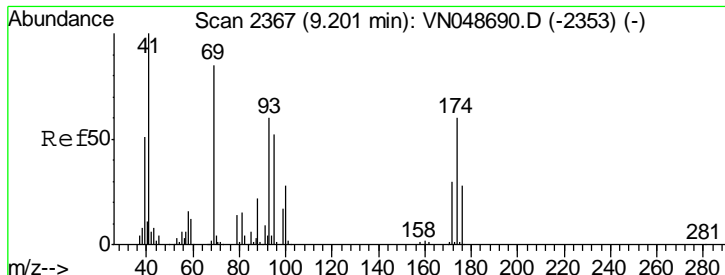
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#48
 Methyl methacrylate
 Concen: 35.64 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
41	100		
69	87.2	68.6	103.0
39	54.6	42.3	63.5





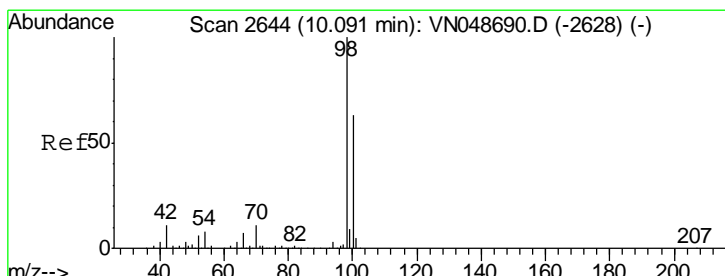
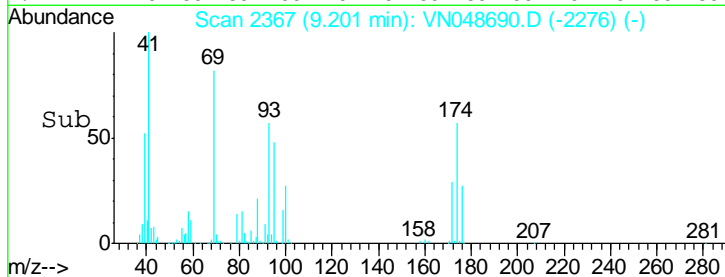
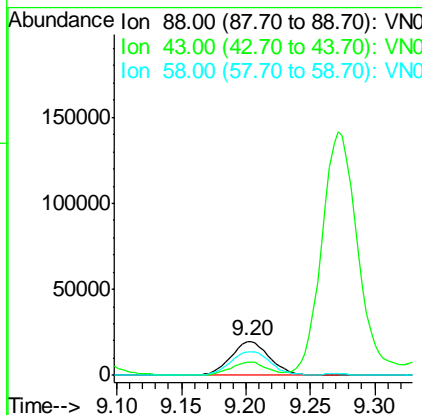
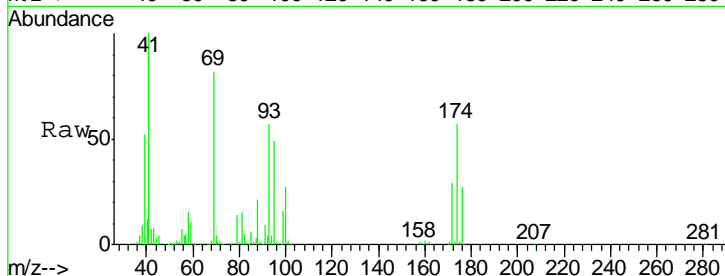
#49
 1,4-Dioxane
 Concen: 637.00 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.01 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	88	Resp	41279
Ion Ratio	Lower	Upper	
88	100		
43	35.8	27.6	41.4
58	72.7	57.0	85.6

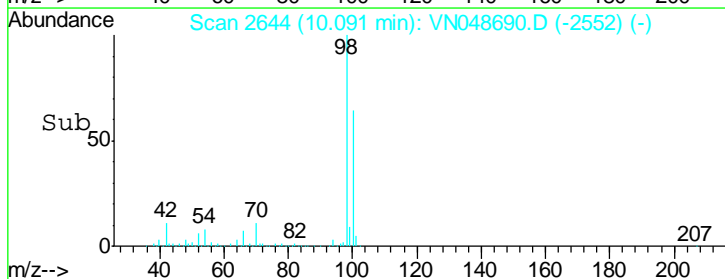
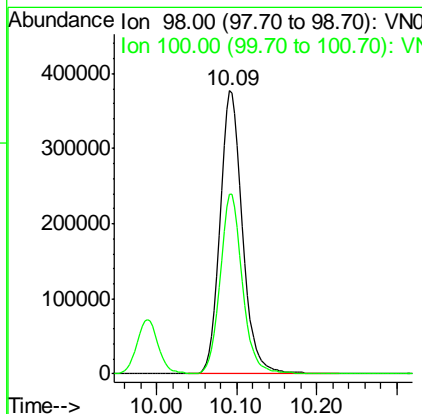
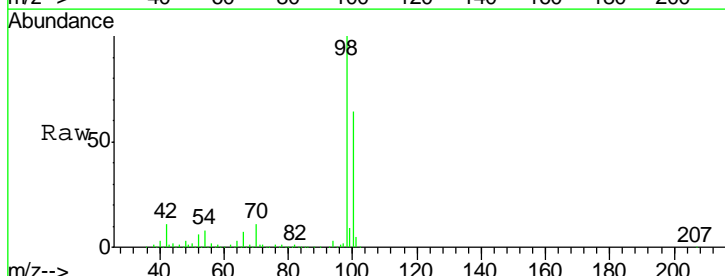
Manual Integrations
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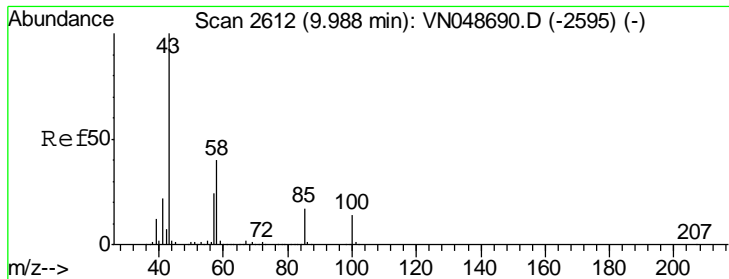
MMDadoda
 5/31/2018 11:12:36 AM



#50
 Toluene-d8
 Concen: 39.50 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	98	Resp	732045
Ion Ratio	Lower	Upper	
98	100		
100	62.8	51.2	76.8





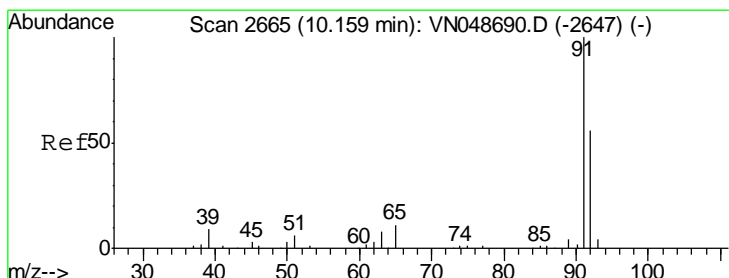
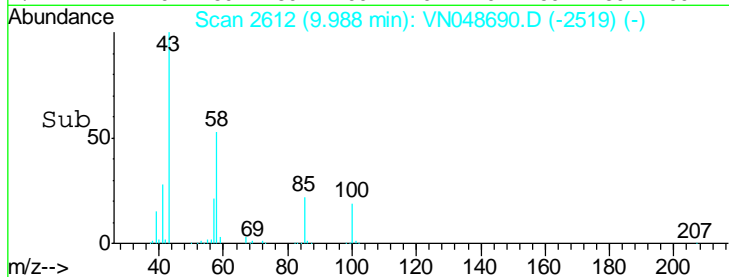
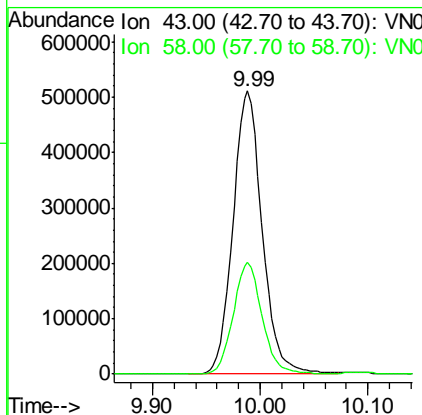
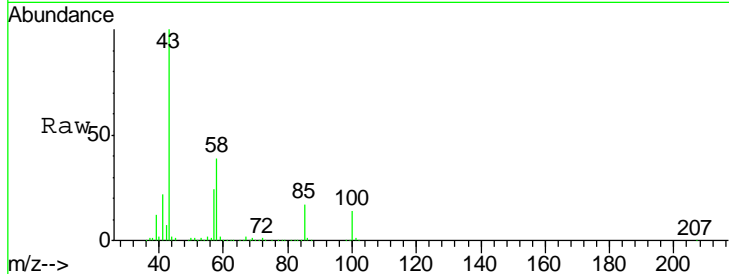
#51
 4-Methyl-2-Pentanone
 Concen: 165.94 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	39.3	31.0	46.6

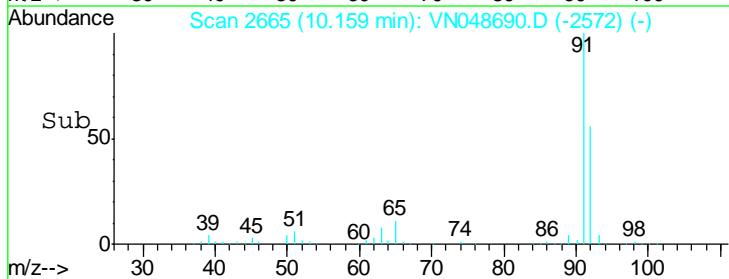
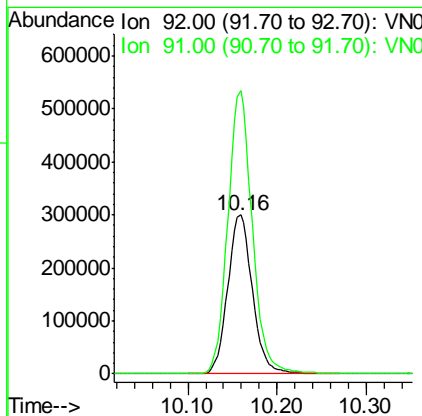
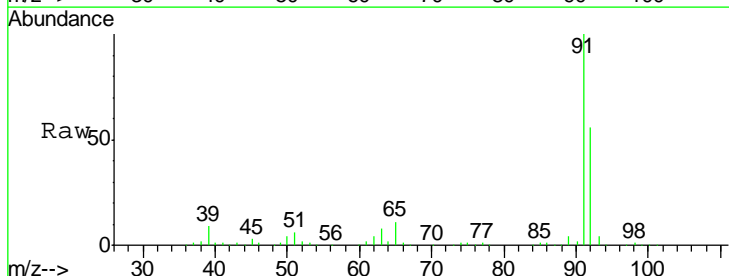
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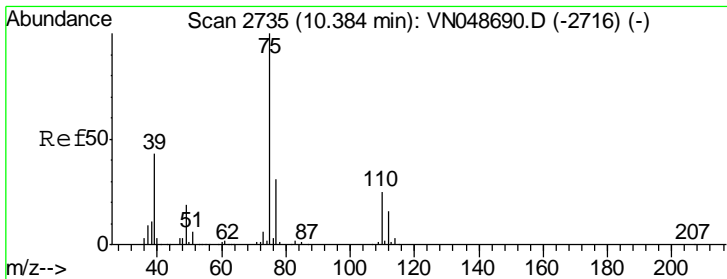
MMDadoda
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#52
 Toluene
 Concen: 46.81 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
92	100		
91	176.2	141.0	211.4





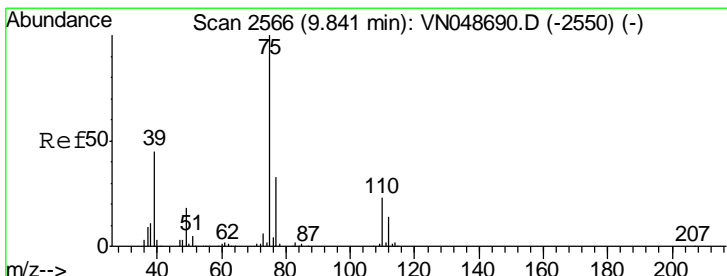
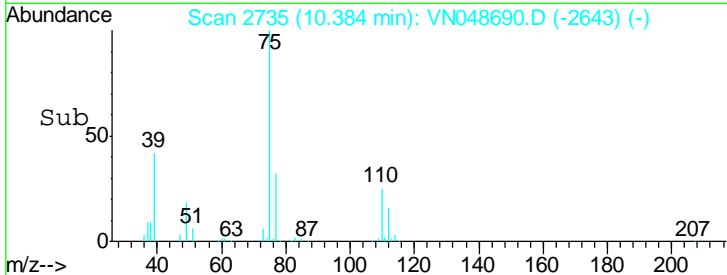
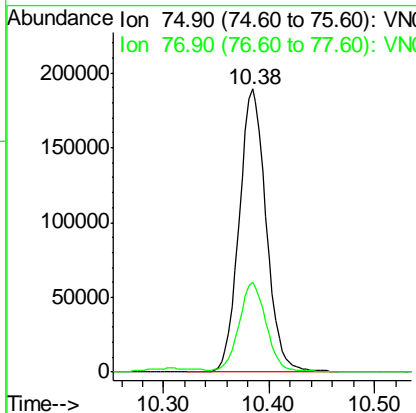
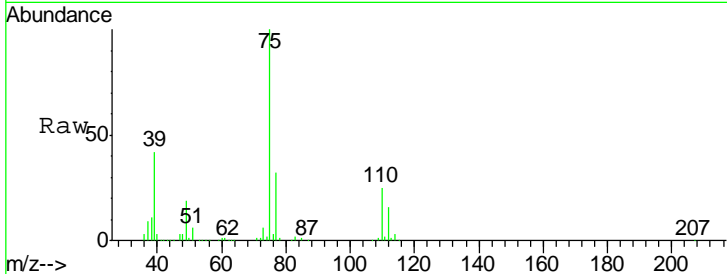
#53
 t-1,3-Dichloropropene
 Concen: 46.23 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	336434		
75	100		
77	31.5	24.9	37.3

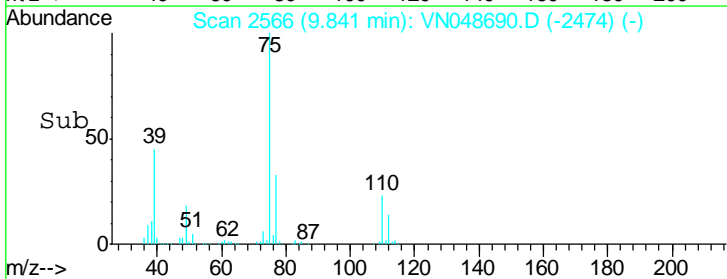
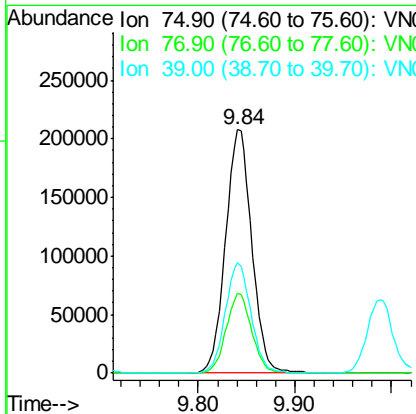
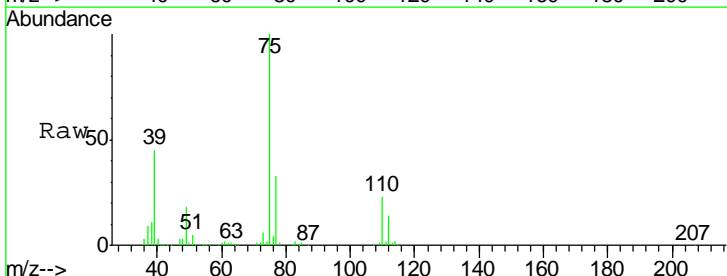
Manual Integrations
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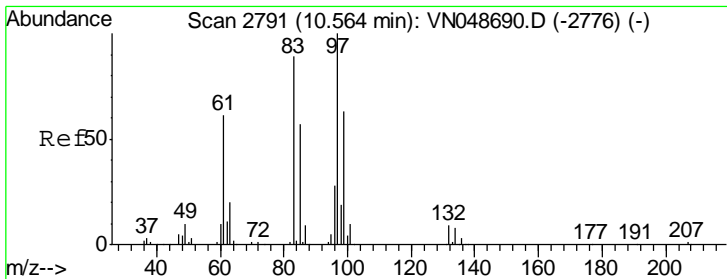
MMDadoda
 5/31/2018 11:12:36 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.04 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

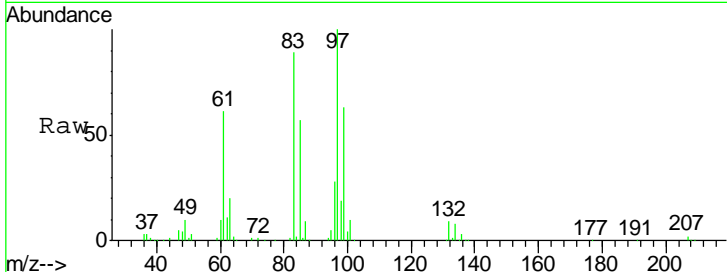
Tgt Ion	Resp	Lower	Upper
75	391637		
75	100		
77	32.6	25.1	37.7
39	45.4	36.7	55.1





#55
 1,1,2-Trichloroethane
 Concen: 43.05 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

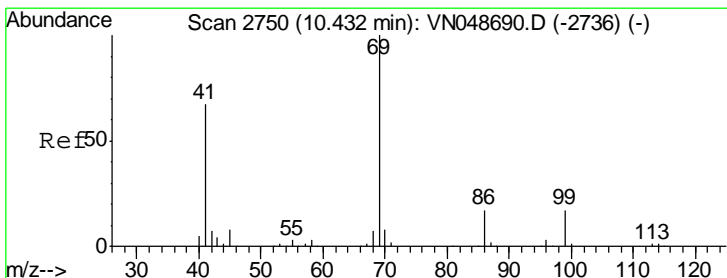
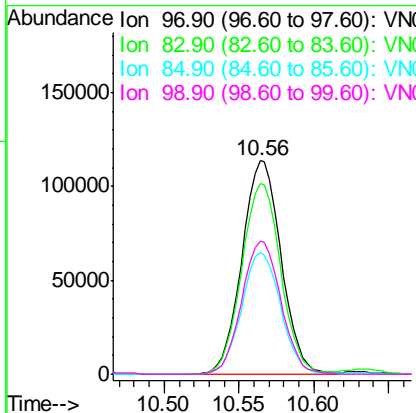
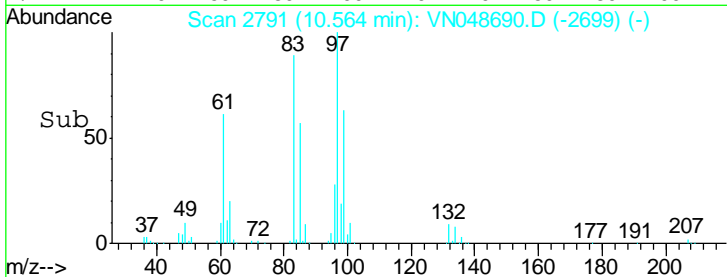
Instrument : MSVOA_N
 ClientSampled : VSTDICCC050



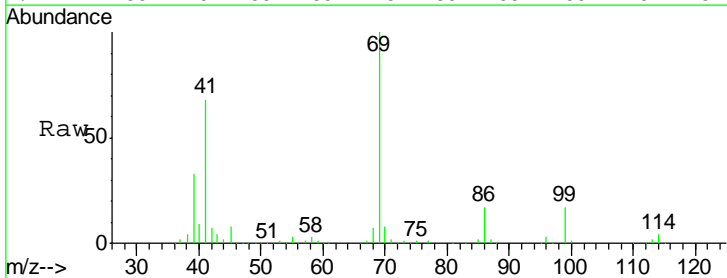
Tgt Ion: 97 Resp: 207299

Ion	Ratio	Lower	Upper
97	100		
83	89.5	68.7	103.1
85	57.2	43.4	65.2
99	62.5	49.6	74.4

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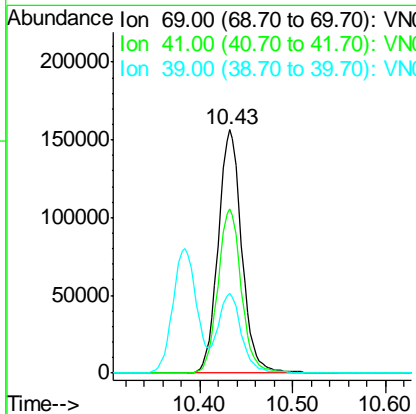
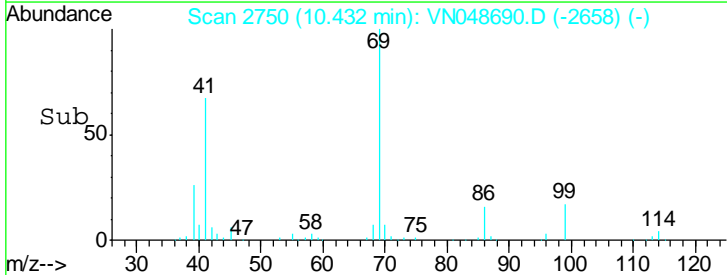


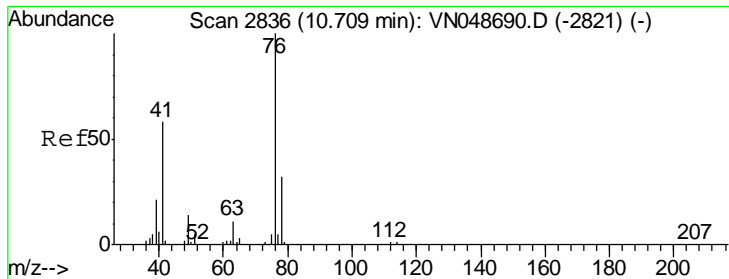
#56
 Ethyl methacrylate
 Concen: 41.00 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05



Tgt Ion: 69 Resp: 275181

Ion	Ratio	Lower	Upper
69	100		
41	66.7	52.3	78.5
39	32.6	26.4	39.6





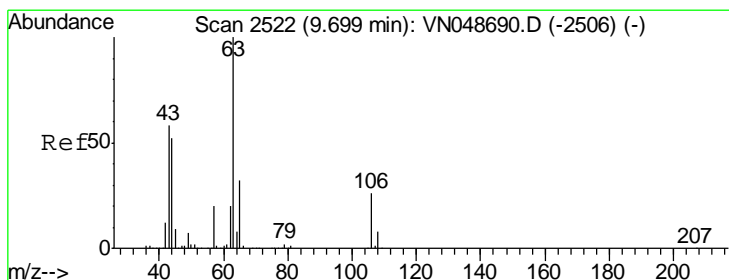
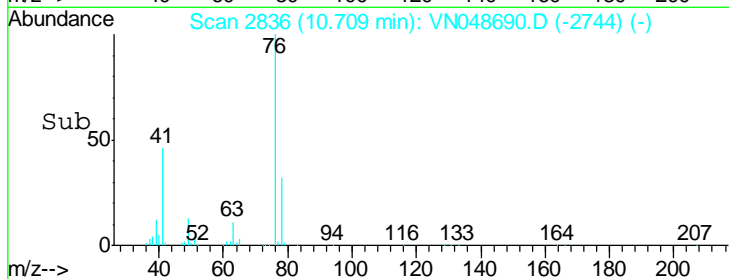
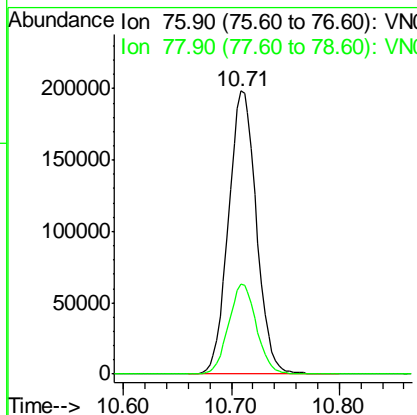
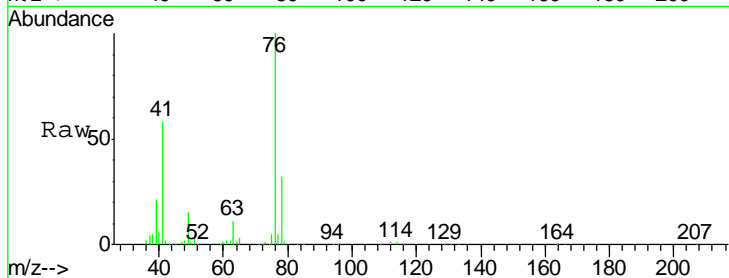
#57
 1,3-Dichloropropane
 Concen: 43.32 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	359317		
76	100		
78	31.9	25.7	38.5

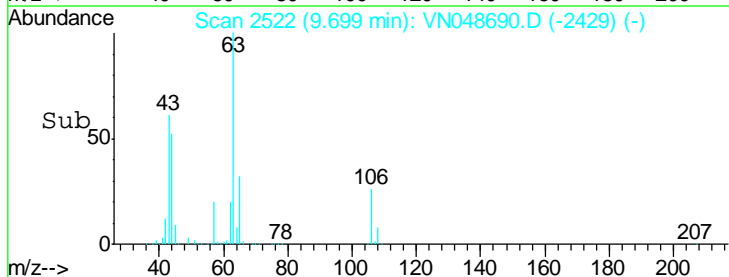
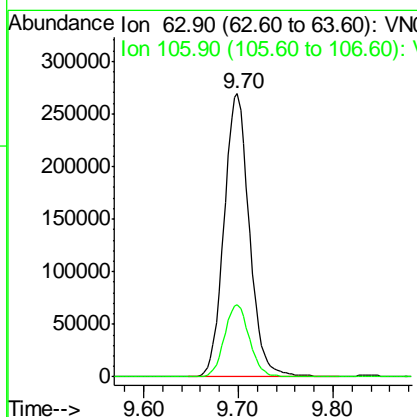
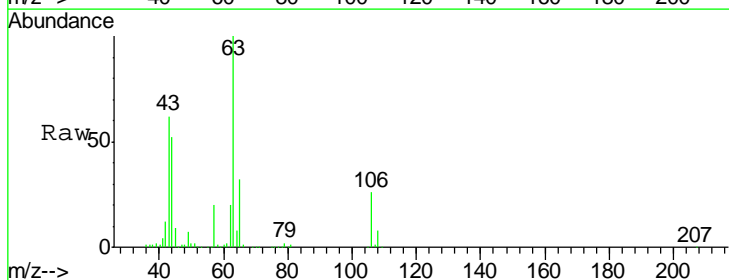
Manual Integrations
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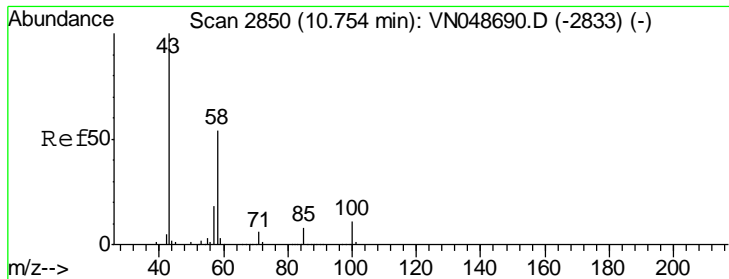
MMDadoda
 5/31/2018 11:12:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 393.55 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
63	501795		
63	100		
106	25.2	21.3	31.9





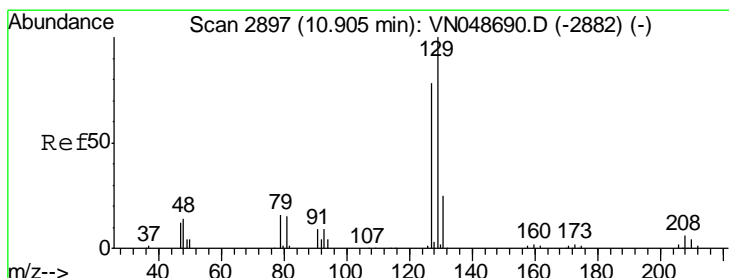
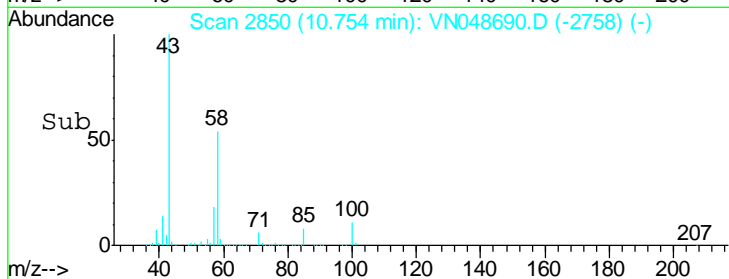
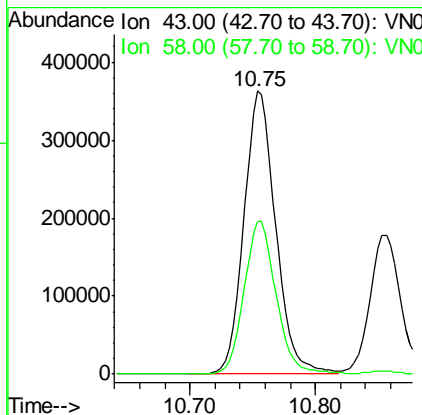
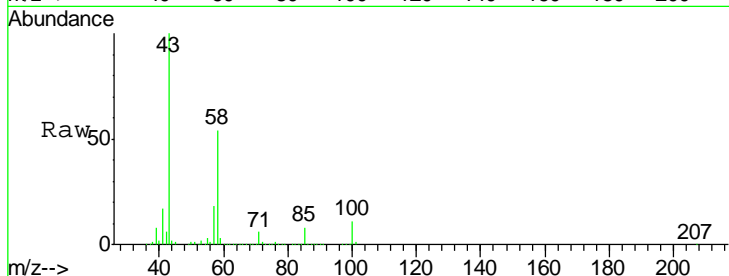
#59
 2-Hexanone
 Concen: 158.07 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	54.6	27.4	82.0

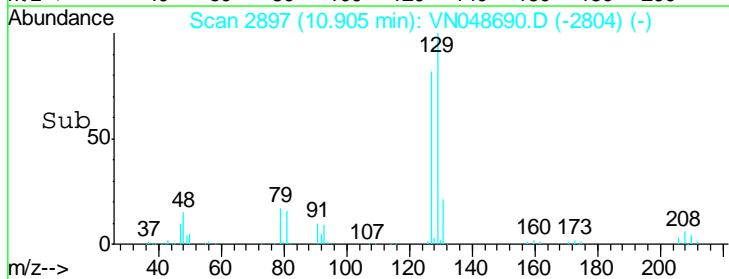
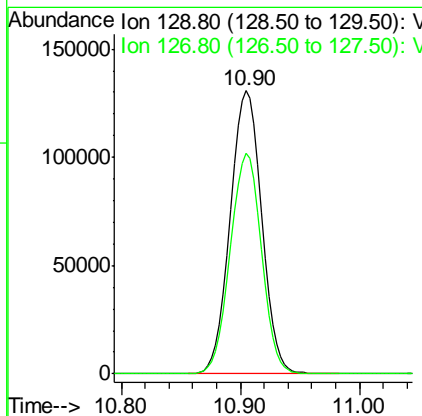
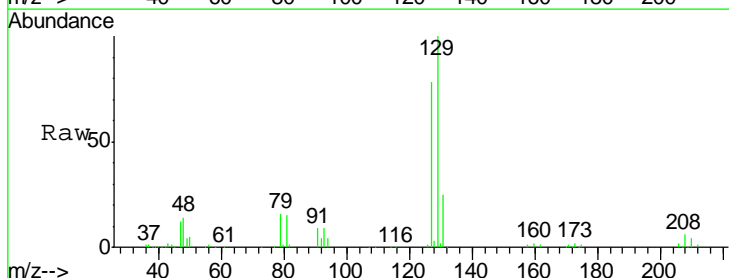
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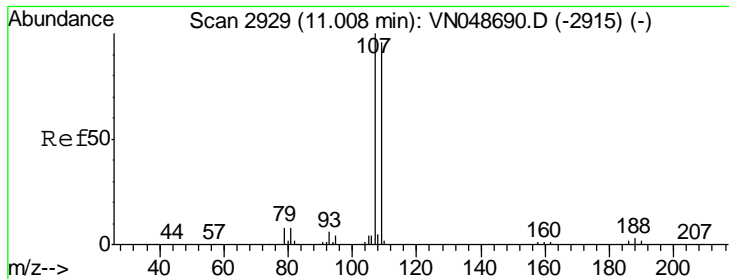
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 5/31/2018 11:12:36 AM



#60
 Dibromochloromethane
 Concen: 44.27 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.3	38.8	116.4





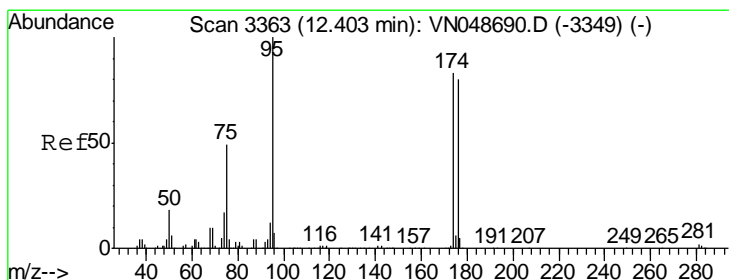
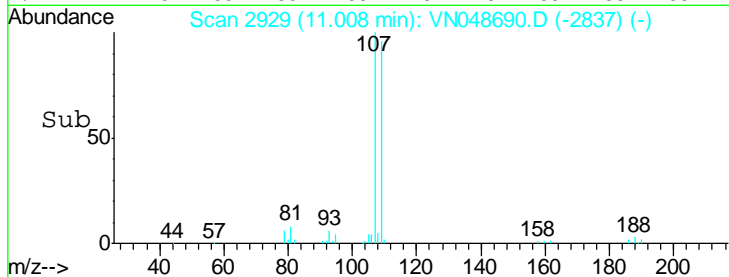
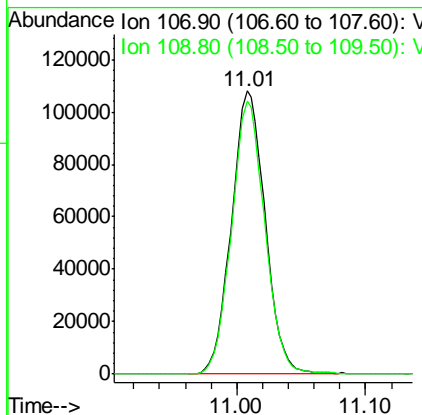
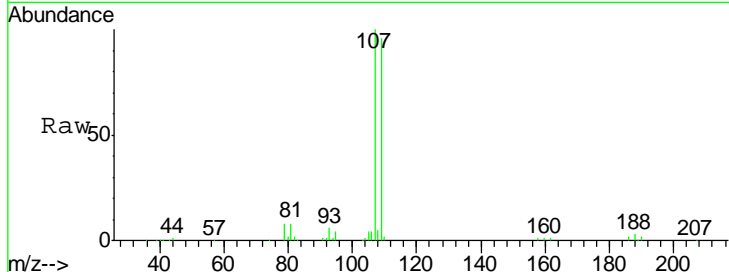
#61
 1,2-Dibromoethane
 Concen: 39.31 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
107	195541		
109	95.6	74.4	111.6

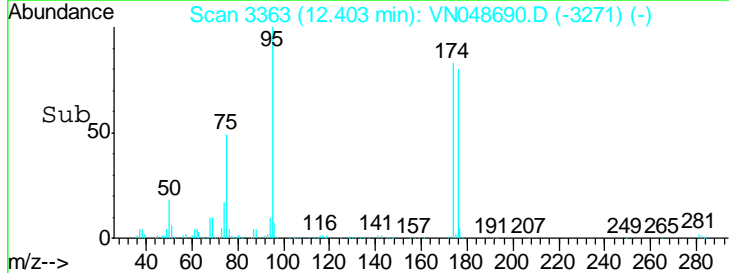
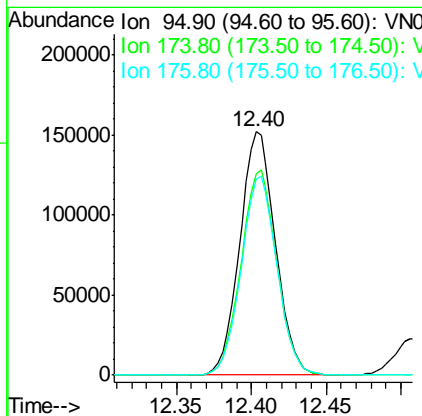
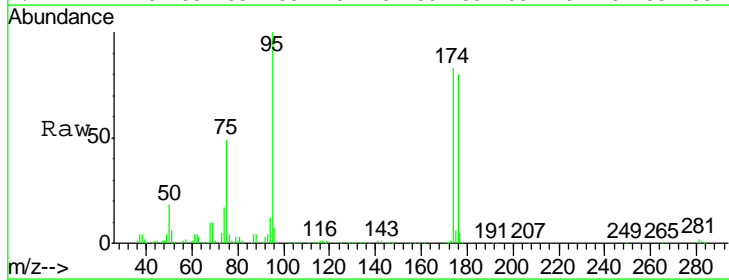
Manual Integrations
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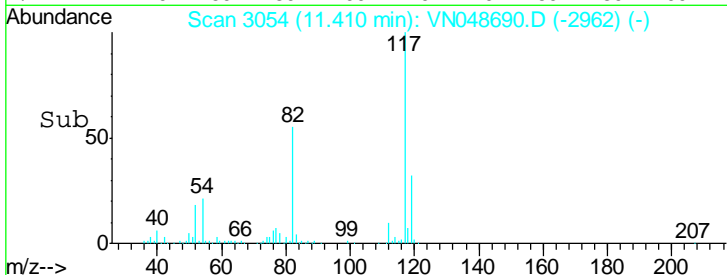
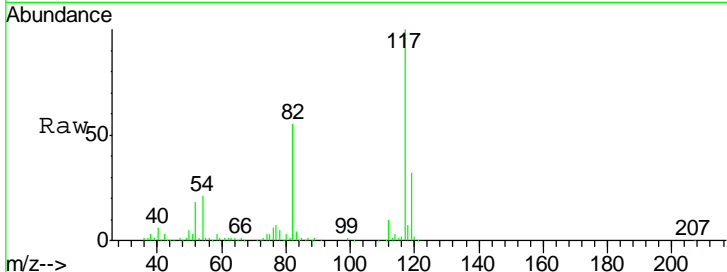
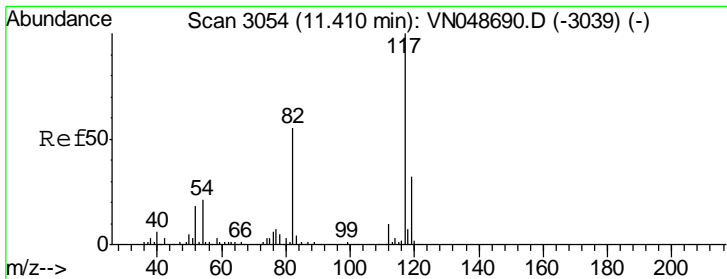
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#62
 4-Bromofluorobenzene
 Concen: 40.51 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
95	251794		
174	84.7	0.0	173.8
176	82.1	0.0	170.0



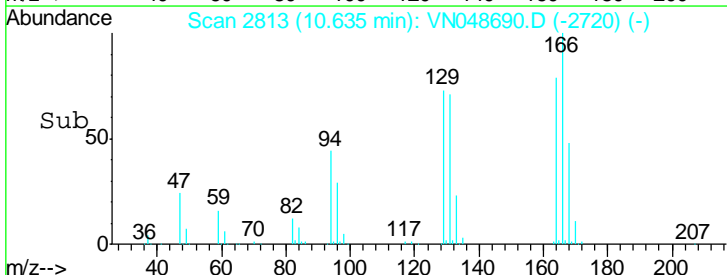
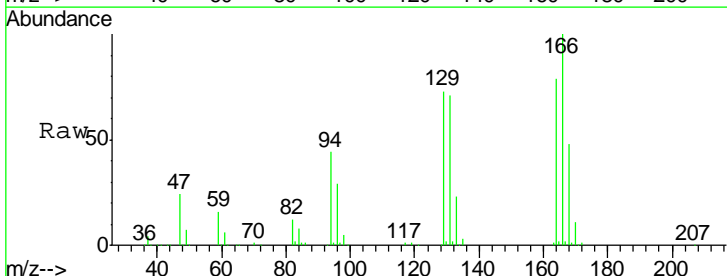
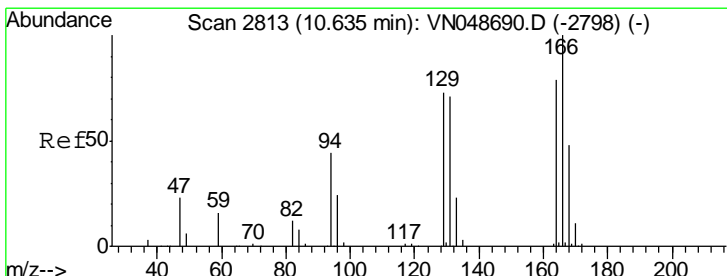
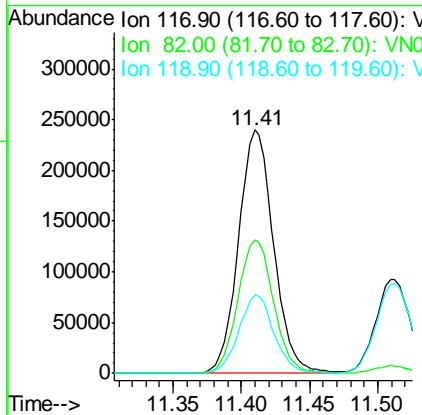


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
117	428865		
82	54.7	42.8	64.2
119	32.1	26.0	39.0

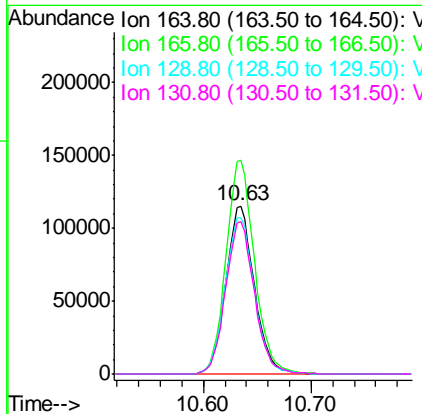
Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

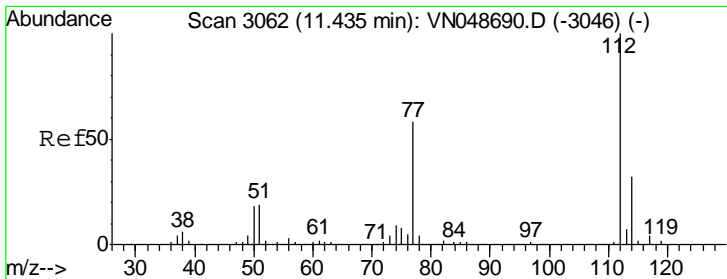
Manual Integrations APPROVED
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 5/31/2018 11:12:36 AM



#64
 Tetrachloroethene
 Concen: 44.97 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
164	211787		
166	127.3	102.7	154.1
129	93.2	74.3	111.5
131	90.9	71.4	107.0





#65
 Chlorobenzene
 Concen: 46.87 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

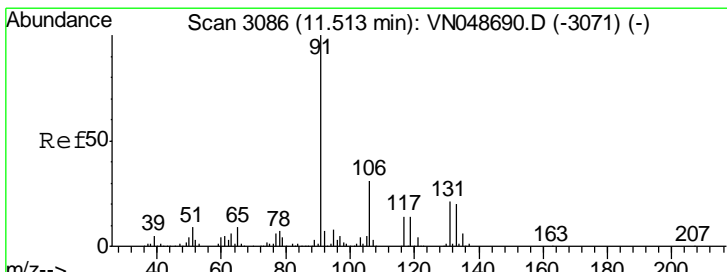
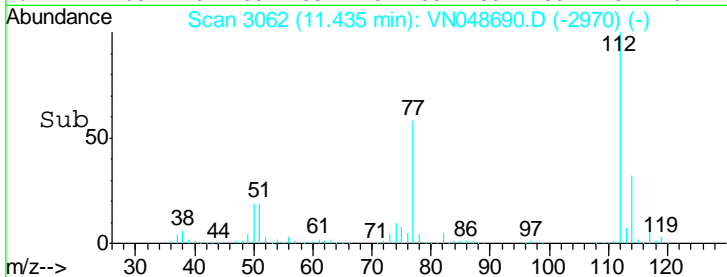
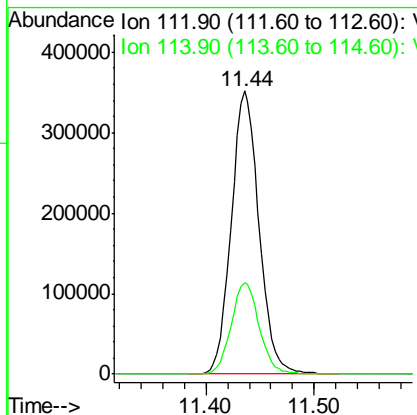
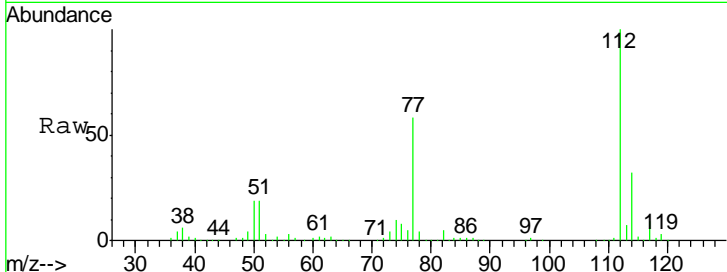
Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion: 112 Resp: 631020

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.6	38.4

Manual Integrations APPROVED

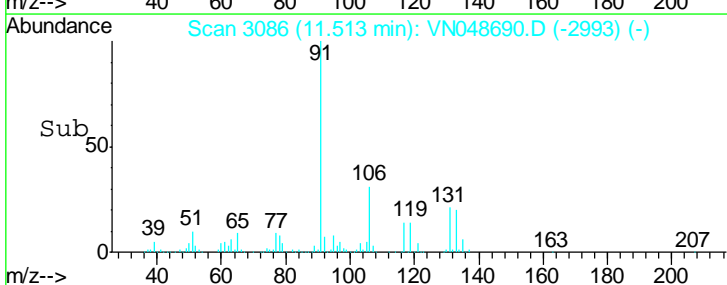
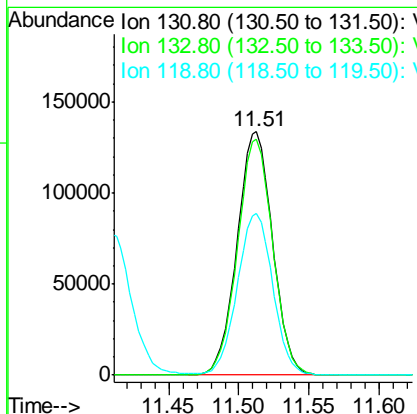
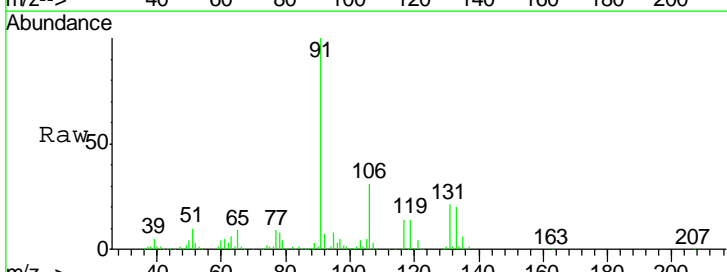
MMDadoda
 5/31/2018 11:12:36 AM

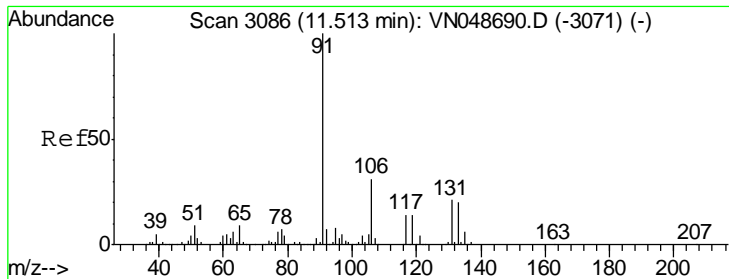


#66
 1,1,1,2-Tetrachloroethane
 Concen: 47.38 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion: 131 Resp: 235416

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.8	143.4
119	66.5	33.1	99.3





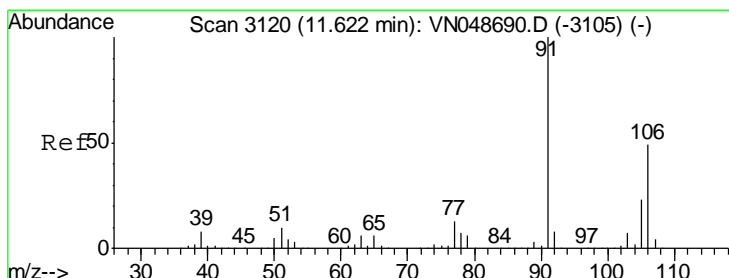
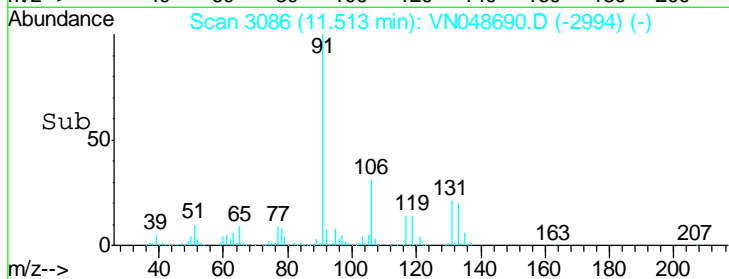
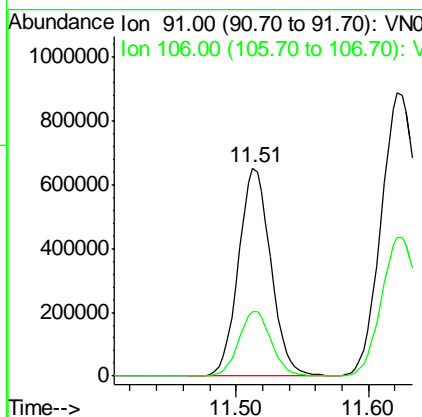
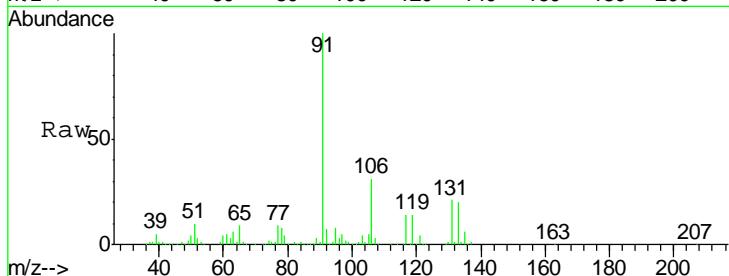
#67
Ethyl Benzene
Concen: 47.98 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN048690.D
Acq: 29 May 2018 12:05

Instrument : MSVOA_N
Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.3	24.9	37.3

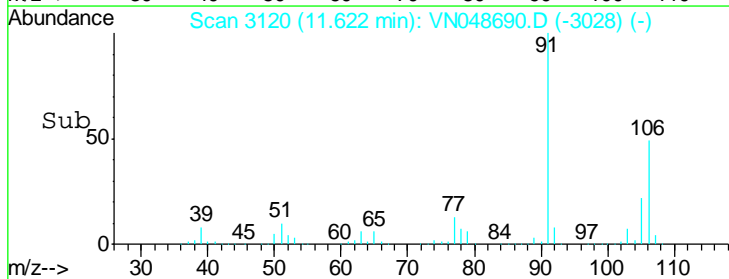
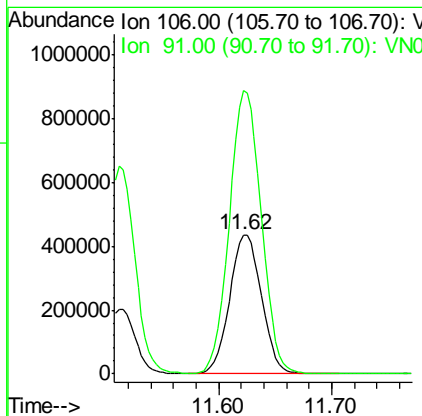
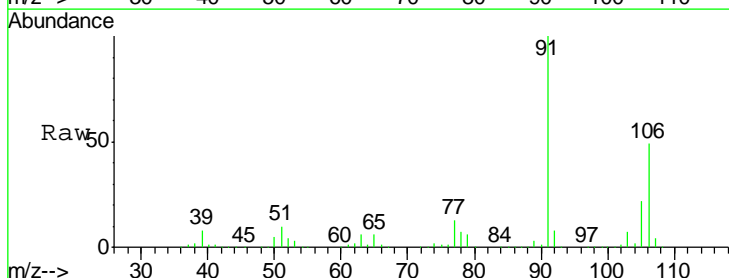
Manual Integrations
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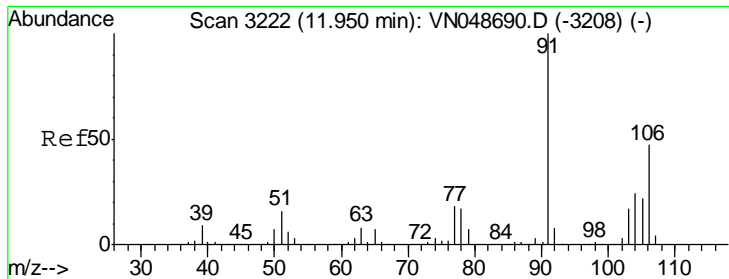
MMDadoda
5/31/2018 11:12:36 AM



#68
m/p-Xylenes
Concen: 101.31 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN048690.D
Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
106	100		
91	203.5	163.4	245.0





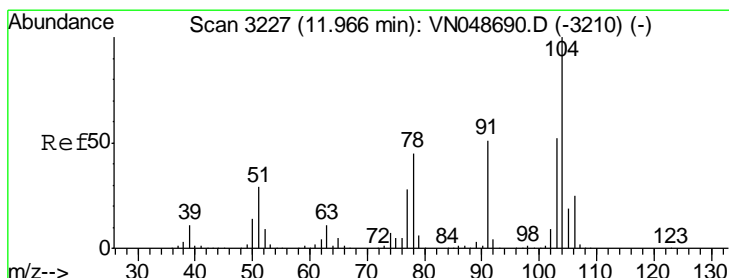
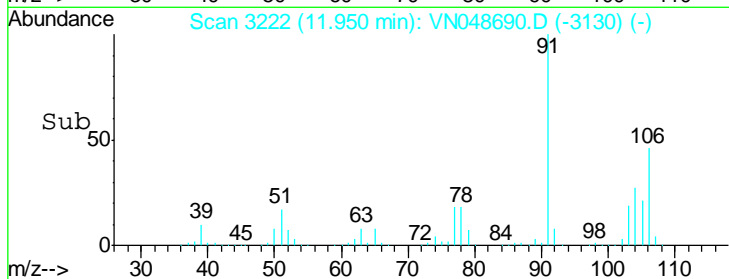
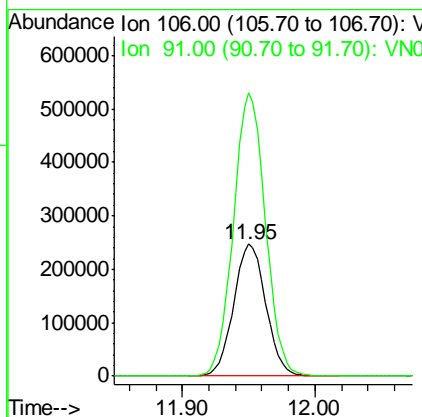
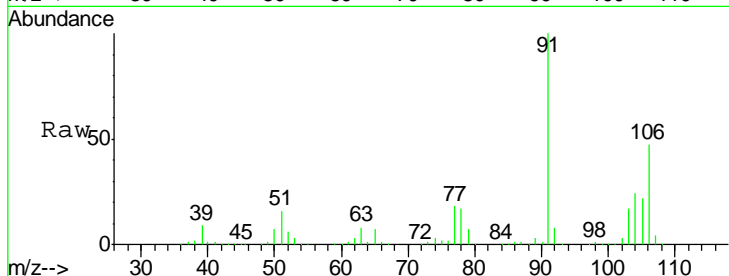
#69
 o-Xylene
 Concen: 50.05 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
106	415242		
106	100		
91	213.4	107.9	323.7

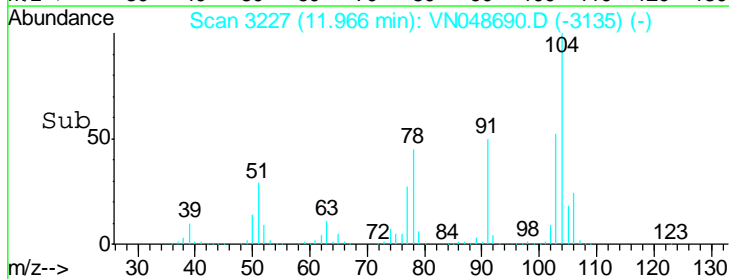
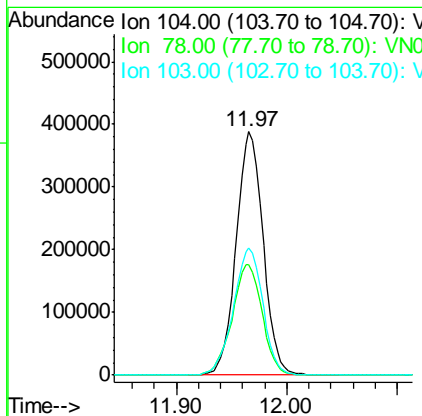
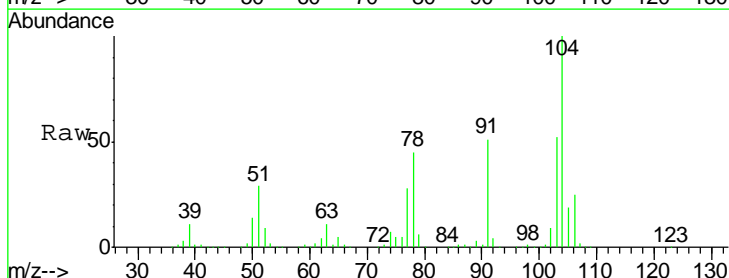
Manual Integrations
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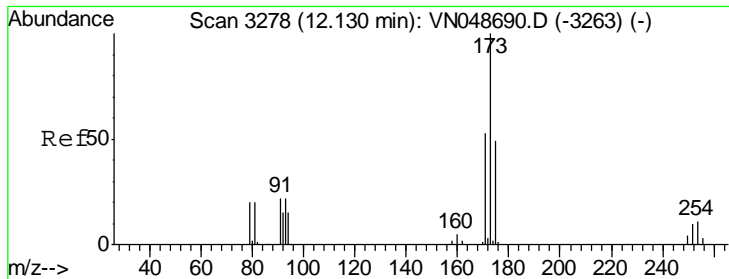
MMDadoda
 5/31/2018 11:12:36 AM



#70
 Styrene
 Concen: 49.89 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

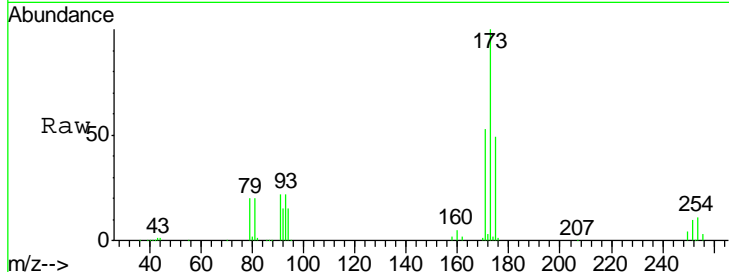
Tgt Ion	Resp	Lower	Upper
104	658717		
104	100		
78	50.7	39.8	59.8
103	57.0	44.6	66.8





#71
 Bromoform
 Concen: 41.35 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

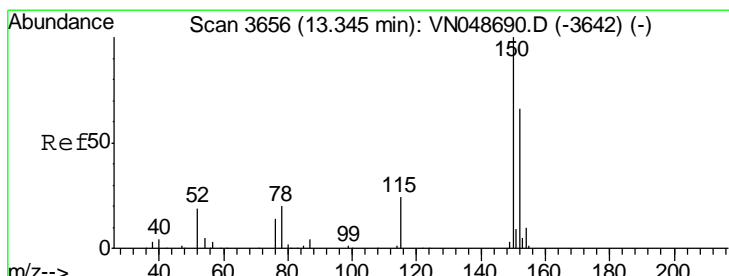
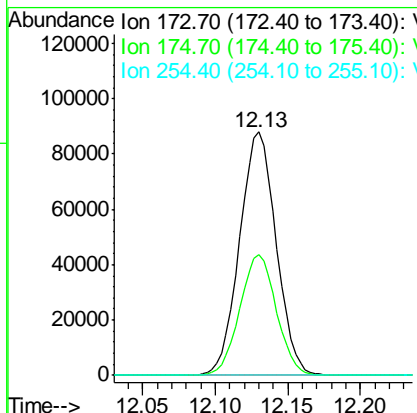
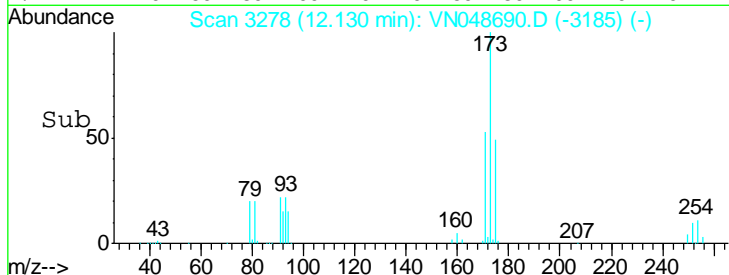
Instrument : MSVOA_N
 Client Sampled : VSTDICCC050



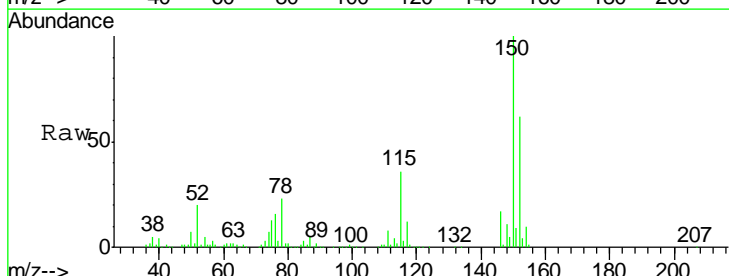
Tgt Ion	Resp	Lower	Upper
173	100		
175	49.6	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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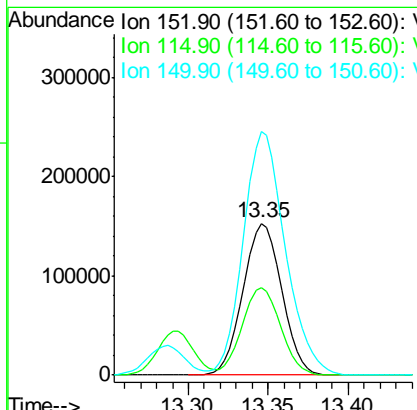
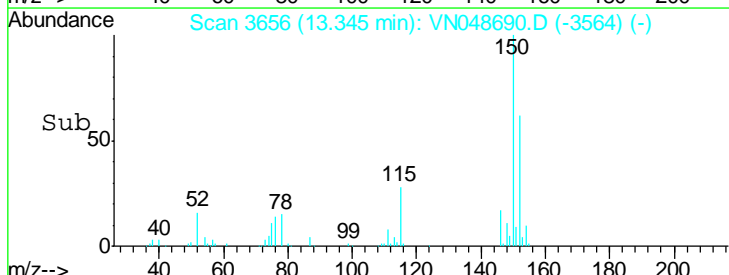
MMDadoda
 5/31/2018 11:12:36 AM

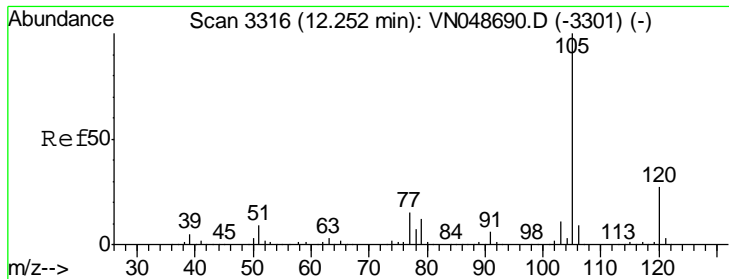


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05



Tgt Ion	Resp	Lower	Upper
152	100		
115	57.4	28.1	84.4
150	174.5	0.0	353.0





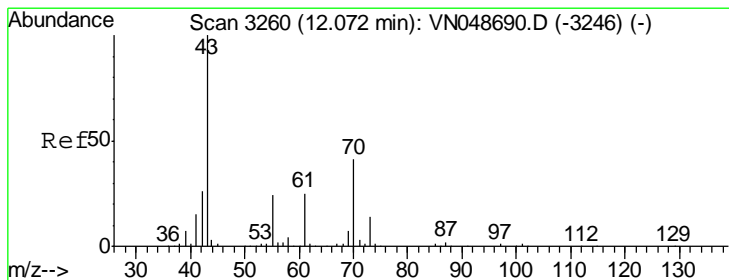
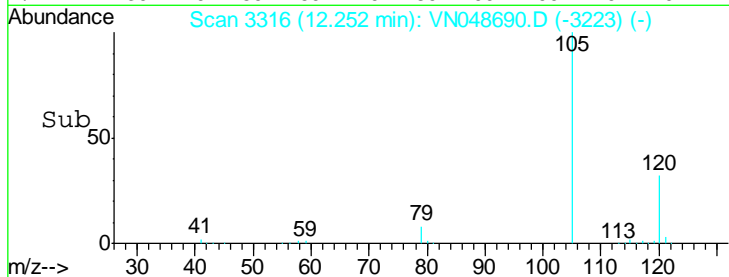
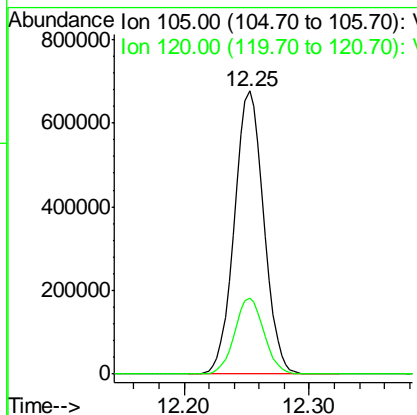
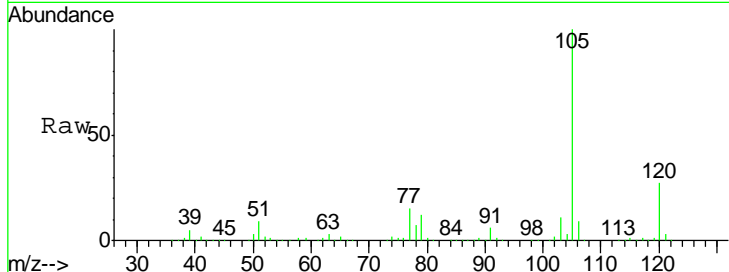
#73
 Isopropylbenzene
 Concen: 44.78 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	1099618		
120	26.7	13.3	39.9

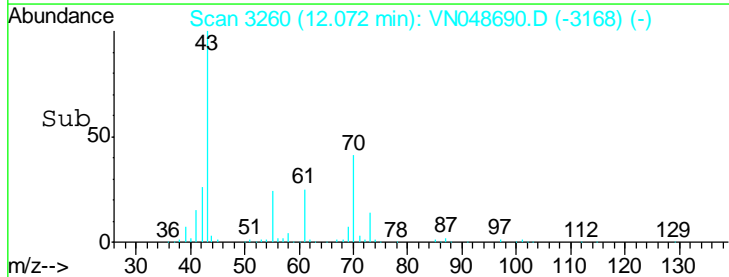
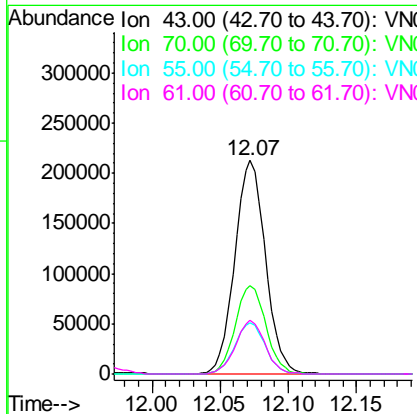
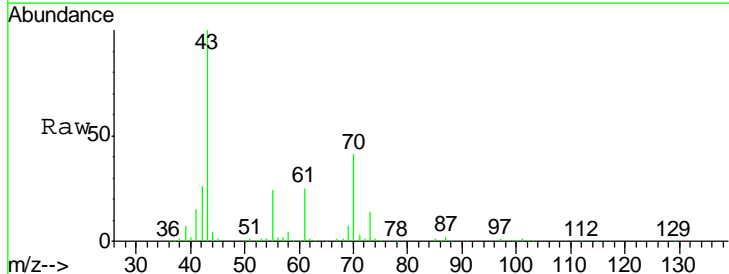
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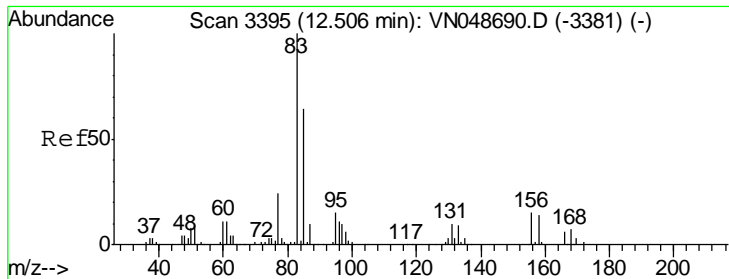
MMDadoda
 5/31/2018 11:12:36 AM



#74
 N-nyl acetate
 Concen: 37.54 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
43	333044		
70	41.4	33.7	50.5
55	23.9	19.3	28.9
61	24.1	19.4	29.2





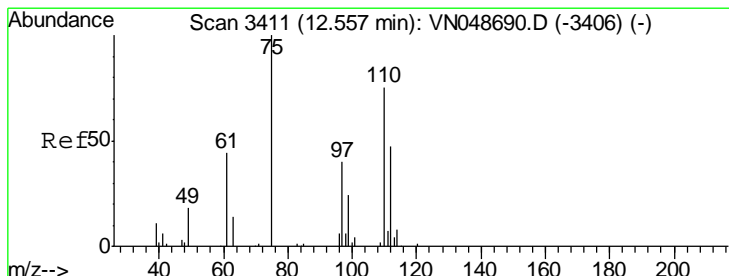
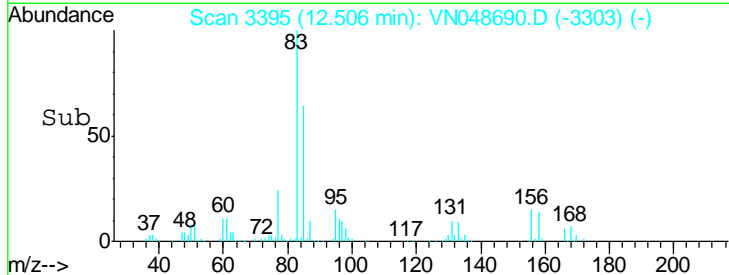
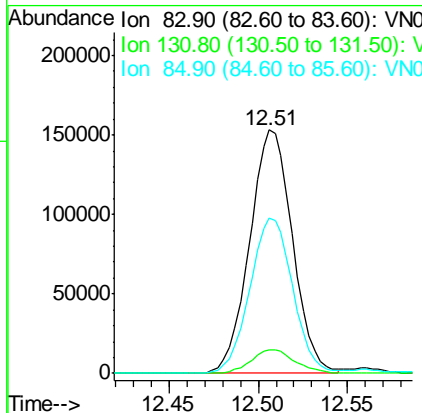
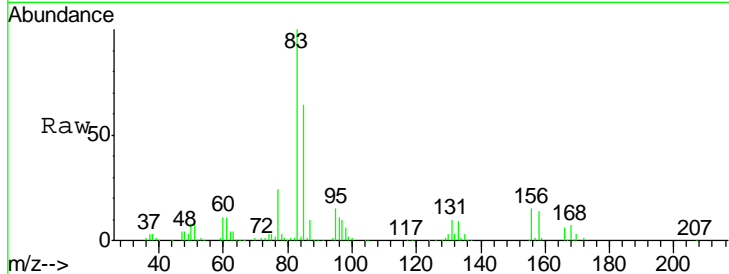
#75
 1,1,2,2-Tetrachloroethane
 Concen: 34.23 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.1	5.3	15.8
85	63.8	32.4	97.0

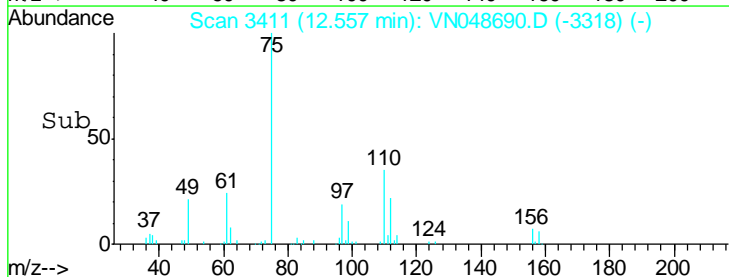
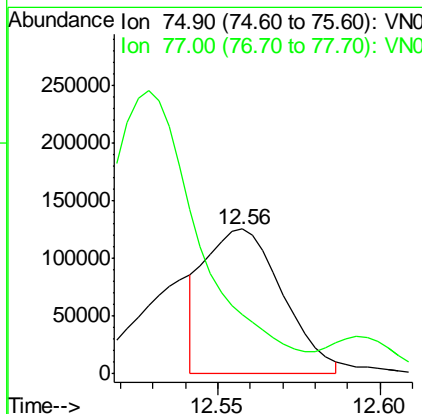
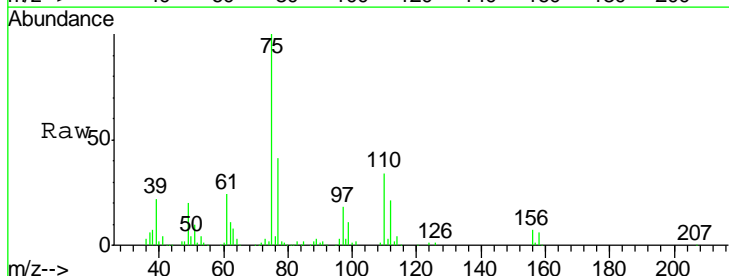
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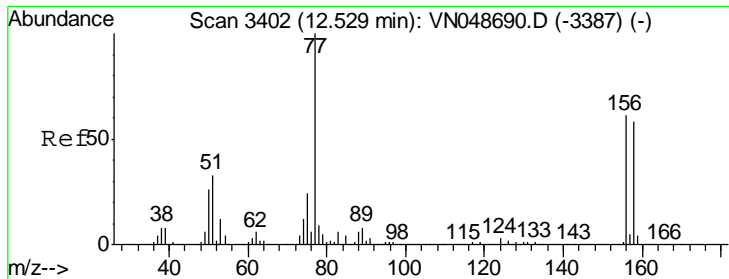
MMDadoda
 5/31/2018 11:12:36 AM



#76
 1,2,3-Trichloropropane
 Concen: 36.90 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





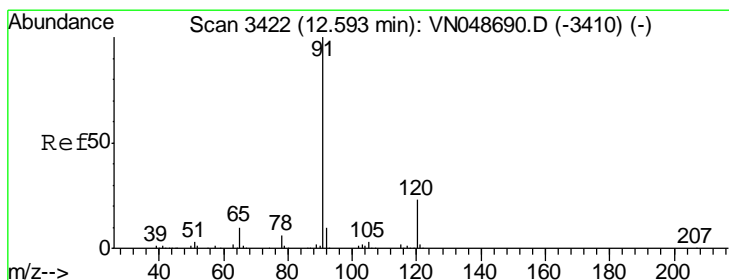
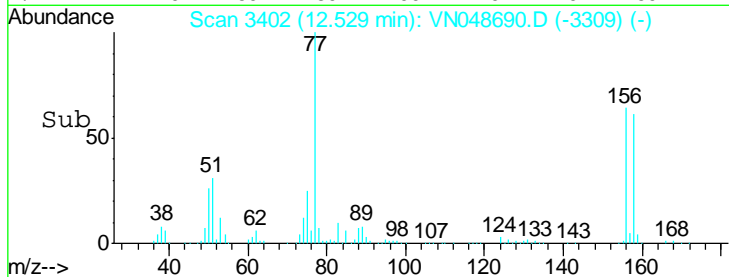
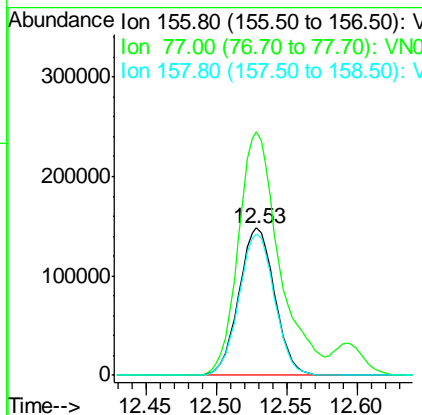
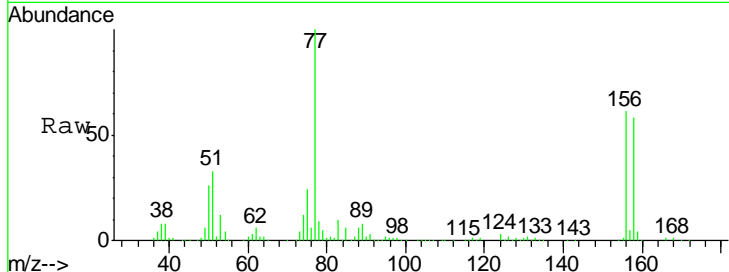
#77
 Bromobenzene
 Concen: 43.98 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
156	263198		
77	189.6	93.3	280.1
158	95.6	48.9	146.6

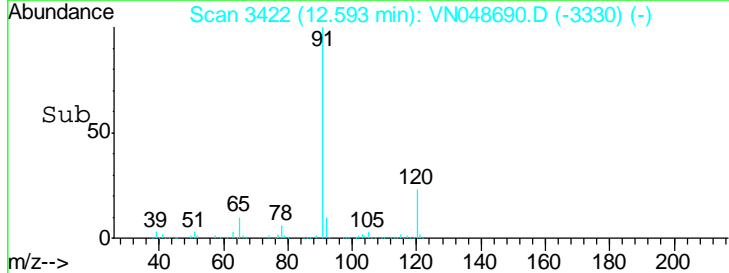
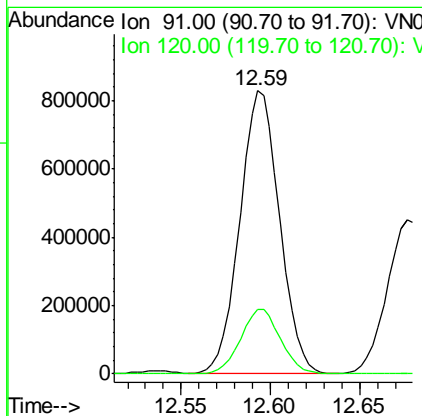
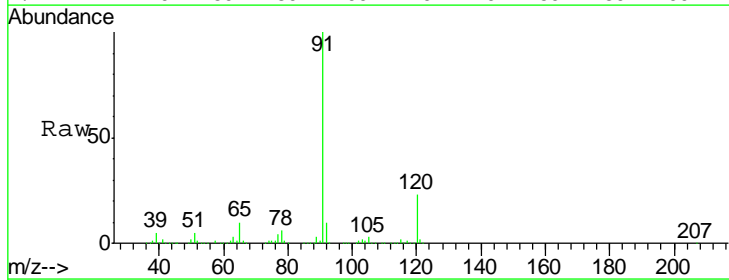
Manual Integrations
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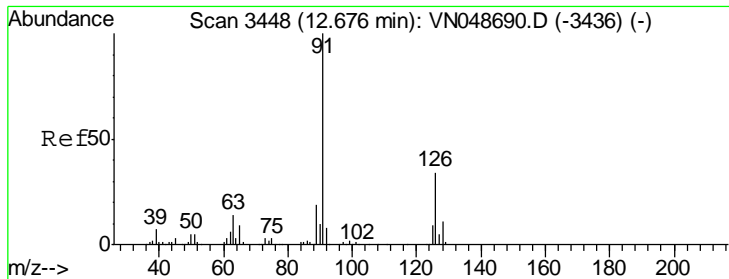
MMDadoda
 5/31/2018 11:12:36 AM



#78
 n-propylbenzene
 Concen: 46.07 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
91	1286447		
120	22.9	11.7	35.1





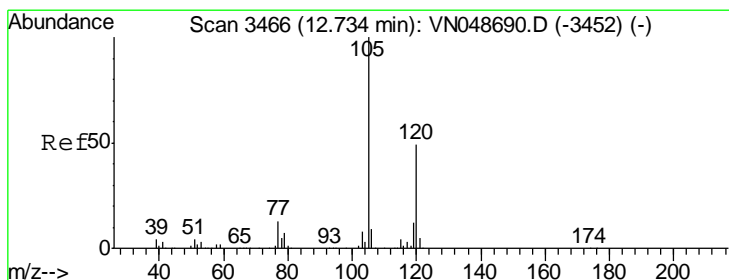
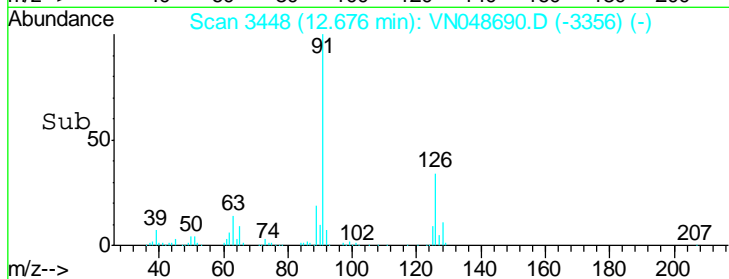
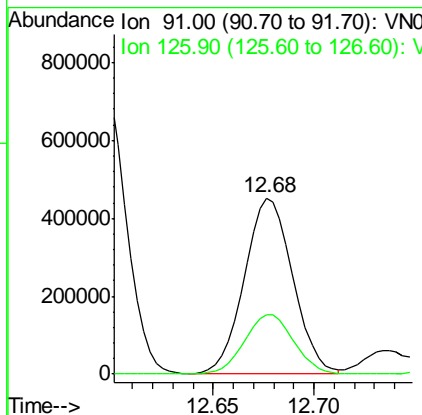
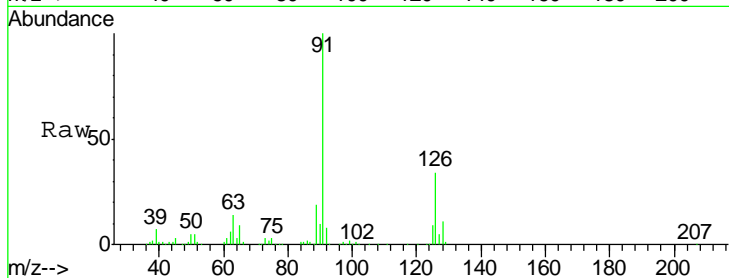
#79
 2-Chlorotoluene
 Concen: 44.31 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	753752	100	
126	34.8	17.5	52.5

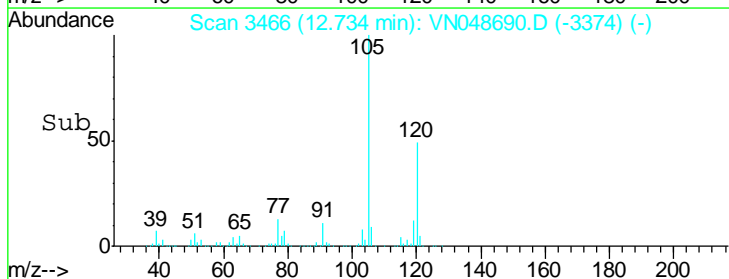
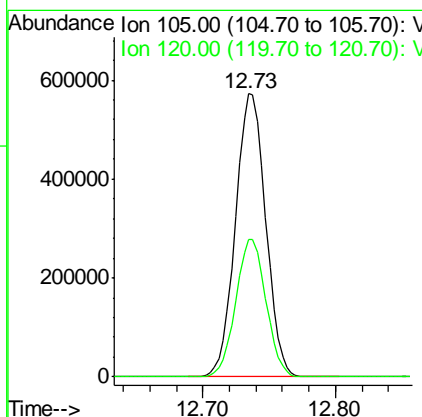
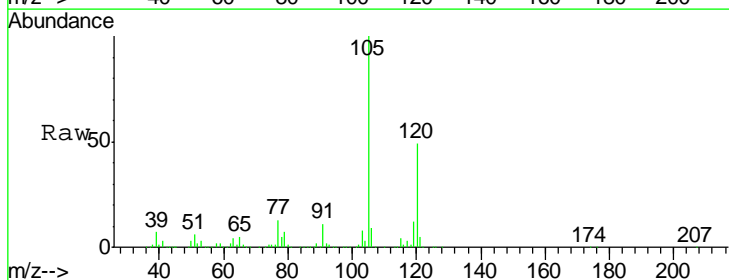
Manual Integrations
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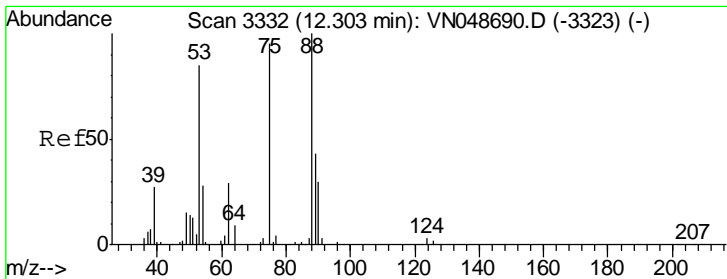
MMDadoda
 5/31/2018 11:12:36 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 45.42 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
105	906152	100	
120	48.7	24.3	72.9





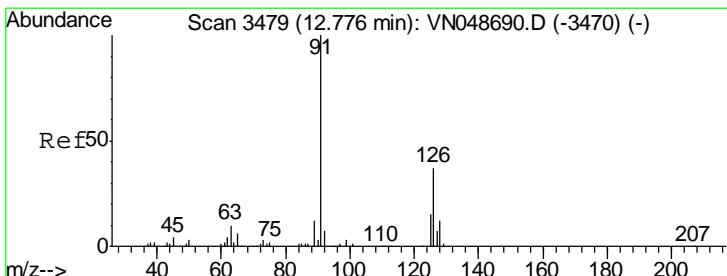
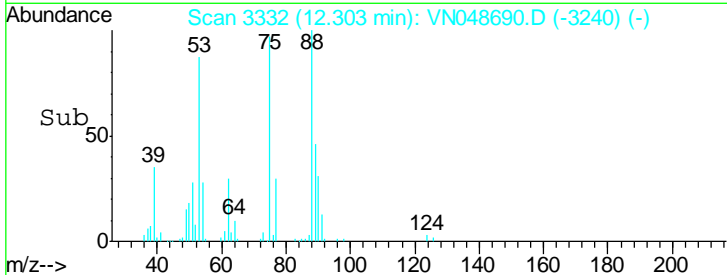
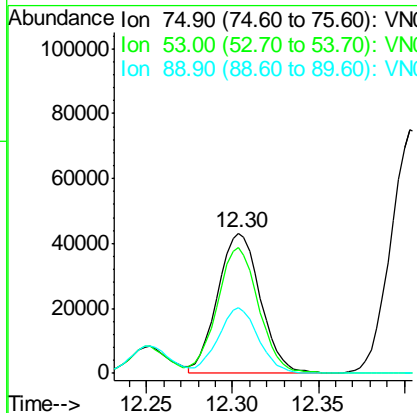
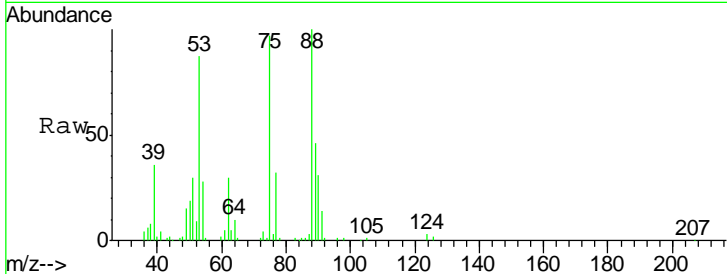
#81
 trans-1,4-Dichloro-2-butene
 Concen: 39.82 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	100		
53	87.5	72.0	108.0
89	44.5	35.2	52.8

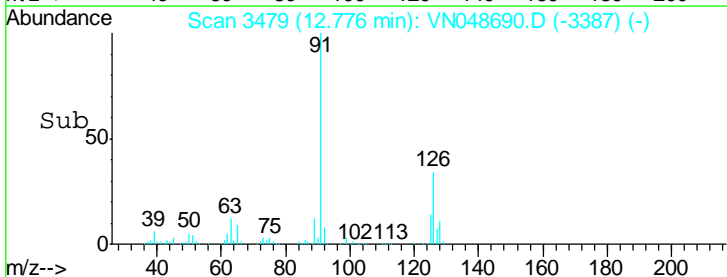
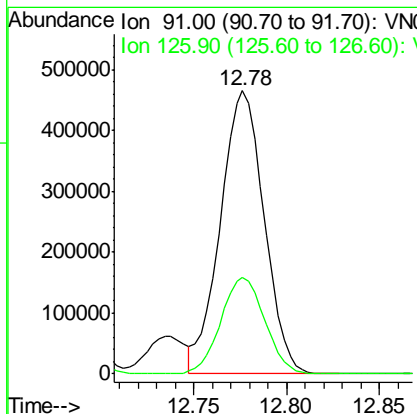
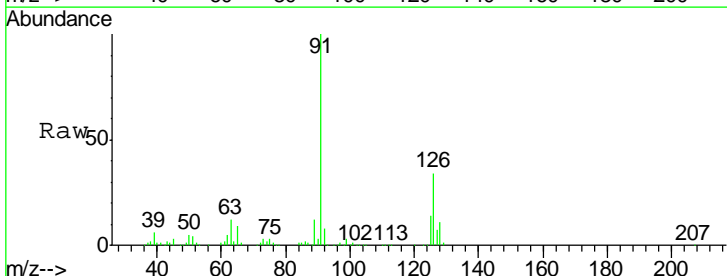
Manual Integrations
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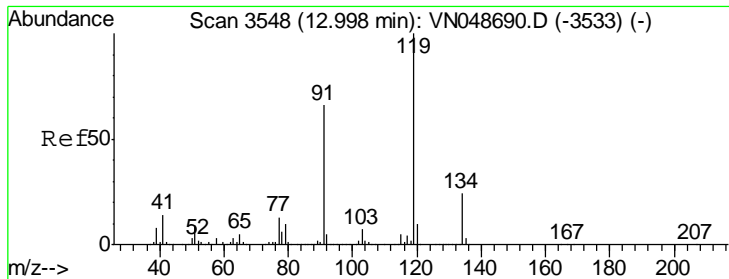
MMDadoda
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#82
 4-Chlorotoluene
 Concen: 45.88 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.2	17.2	51.6





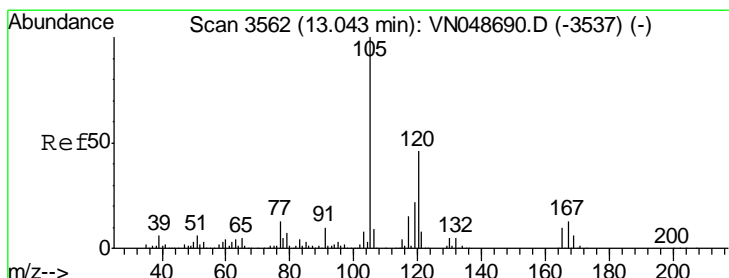
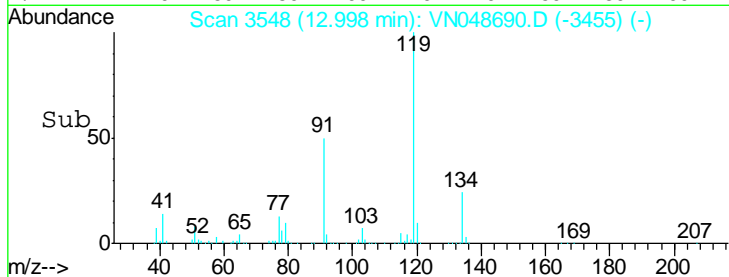
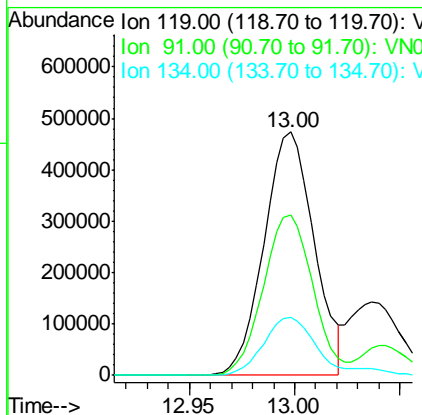
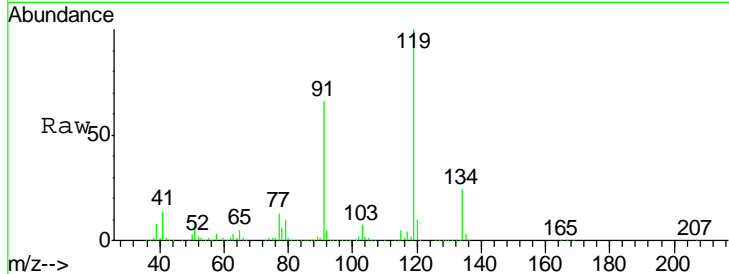
#83
 tert-Butylbenzene
 Concen: 45.09 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
119	783948		
91	65.2	32.2	96.6
134	24.3	13.3	39.9

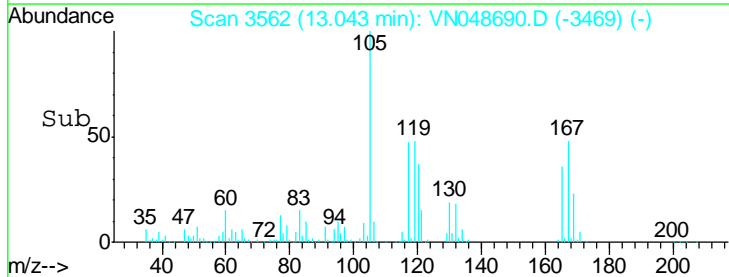
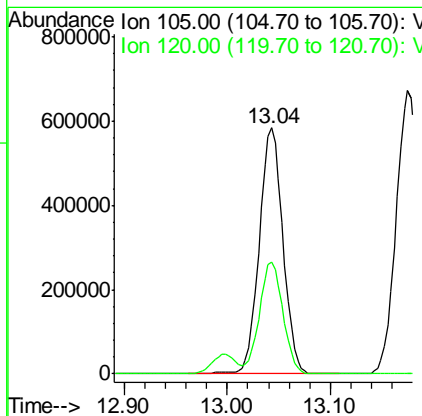
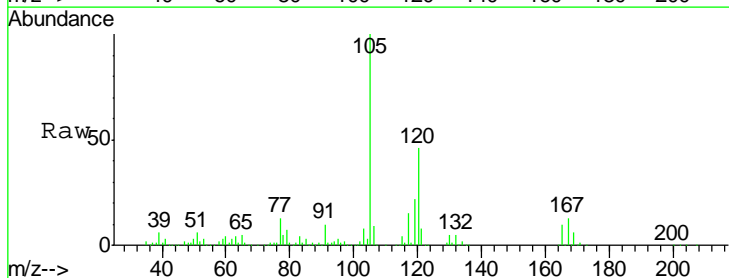
Manual Integrations
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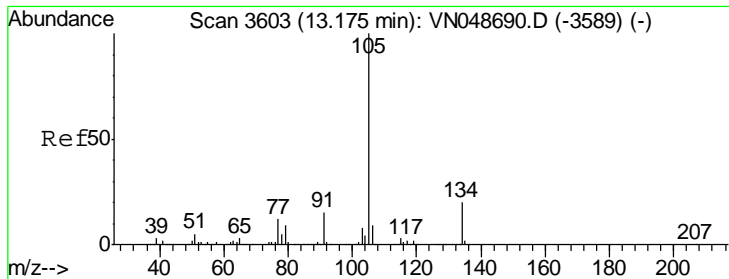
MMDadoda
 5/31/2018 11:12:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 46.66 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
105	924510		
120	45.4	22.7	68.0





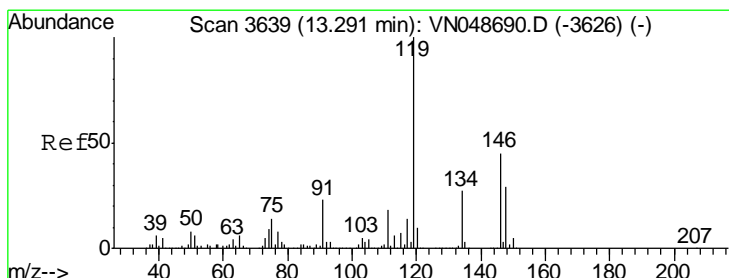
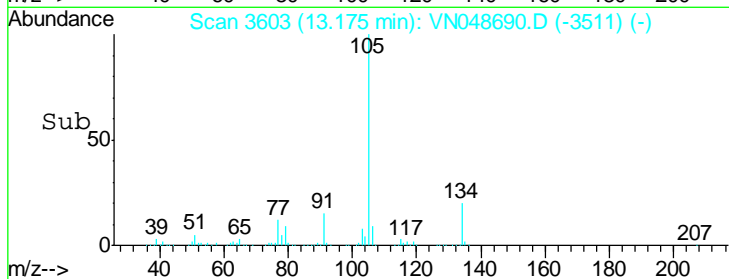
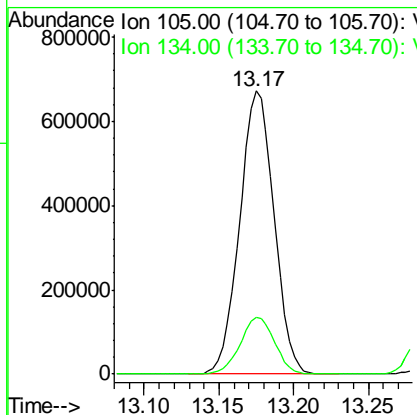
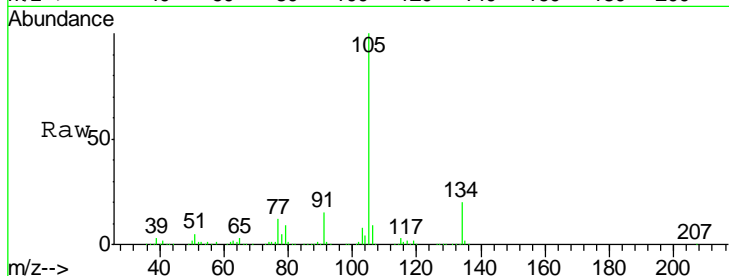
#85
 sec-Butylbenzene
 Concen: 46.38 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	1070616		
134	20.1	10.1	30.3

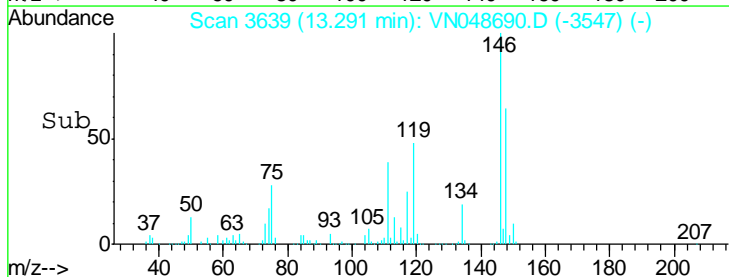
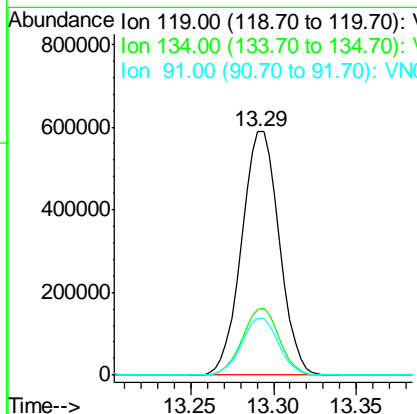
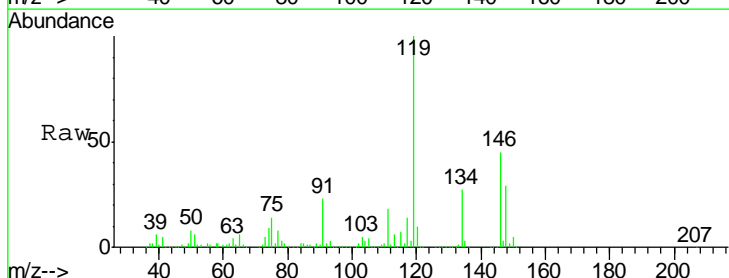
Manual Integrations
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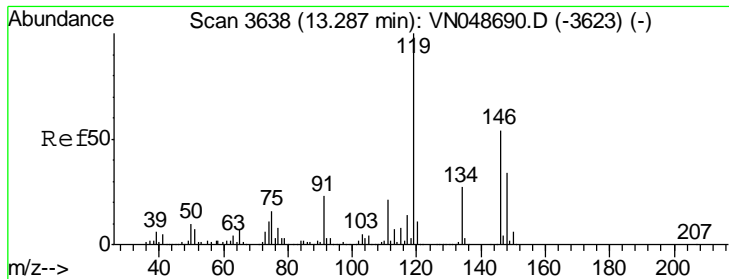
MMDadoda
 5/31/2018 11:12:36 AM



#86
 p-Isopropyltoluene
 Concen: 47.41 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
119	925977		
134	27.0	13.5	40.4
91	23.0	11.4	34.2





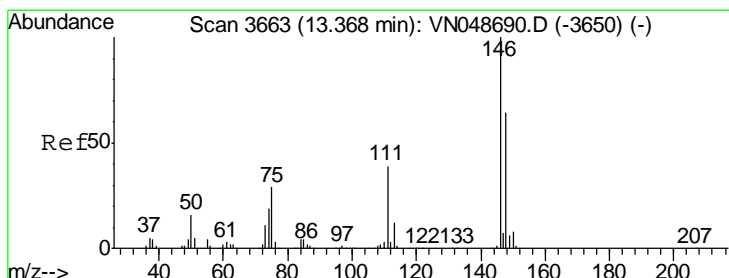
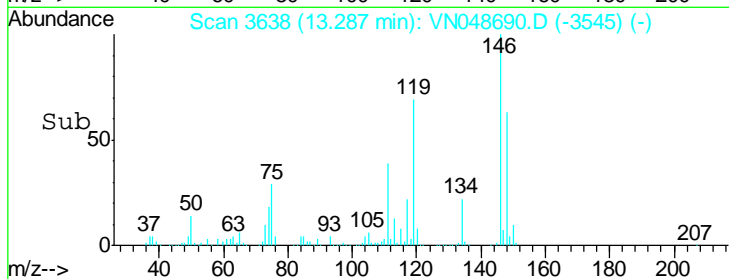
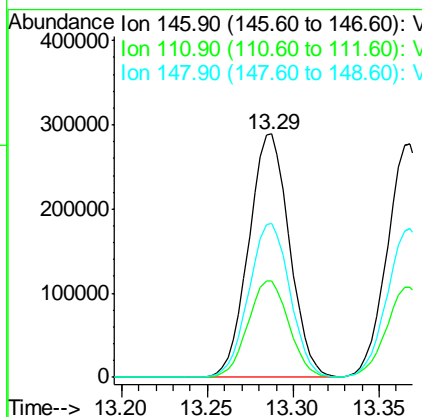
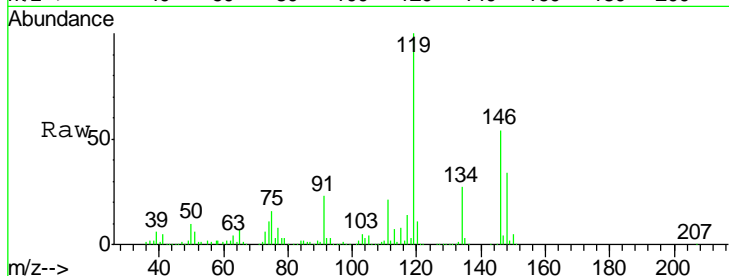
#87
 1,3-Dichlorobenzene
 Concen: 46.55 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.7	19.3	57.9
148	63.9	32.1	96.5

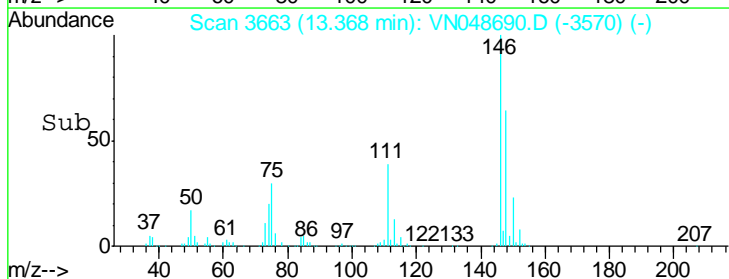
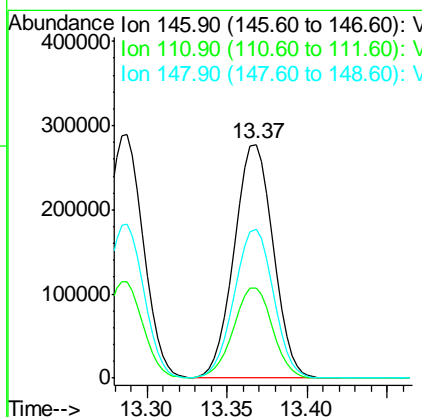
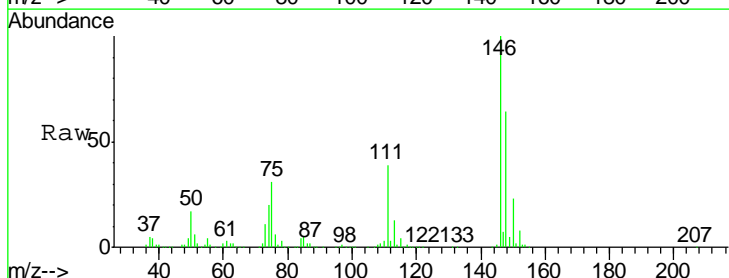
Manual Integrations
APPROVED

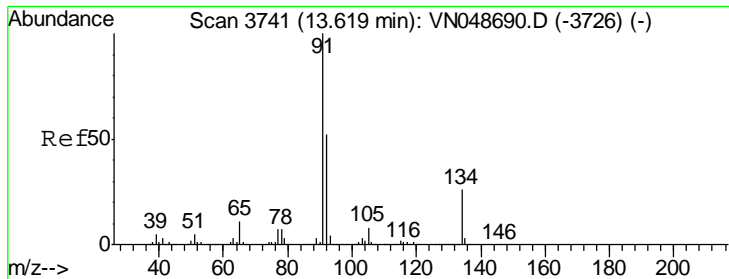
MMDadoda
 5/31/2018 11:12:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.27 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.8	18.9	56.5
148	64.0	32.2	96.6





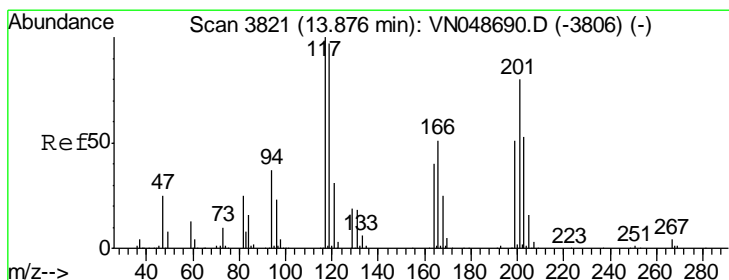
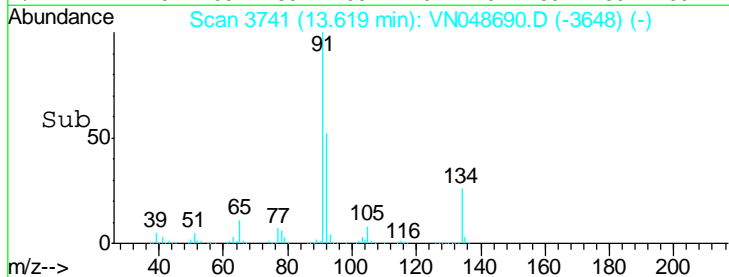
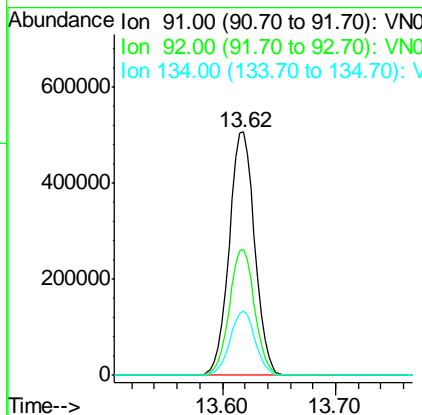
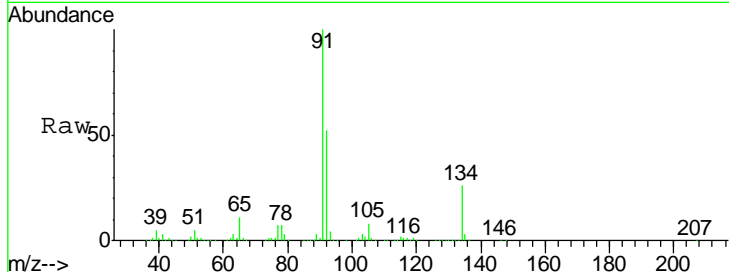
#89
 n-Butylbenzene
 Concen: 52.08 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
92	51.2	26.3	78.9
134	26.1	13.5	40.4

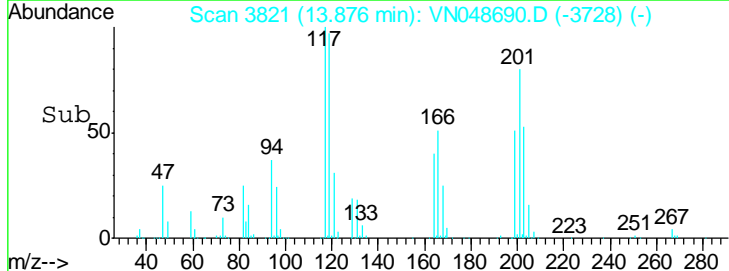
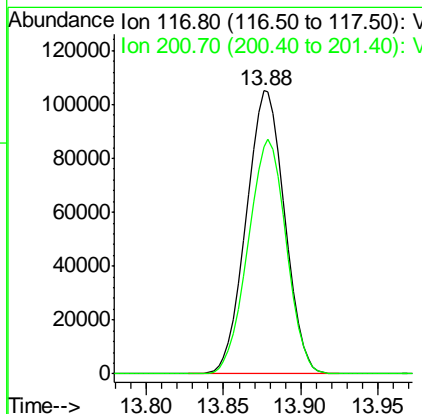
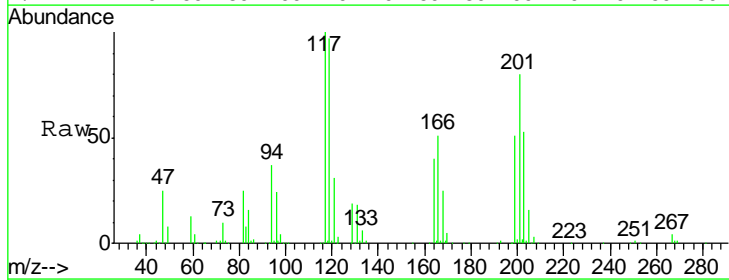
Manual Integrations
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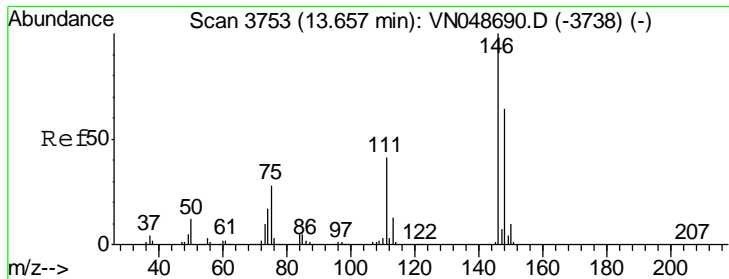
MMDadoda
 5/31/2018 11:12:36 AM



#90
 Hexachloroethane
 Concen: 41.85 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Tgt Ion	Resp	Lower	Upper
117	100		
201	82.4	44.6	134.0





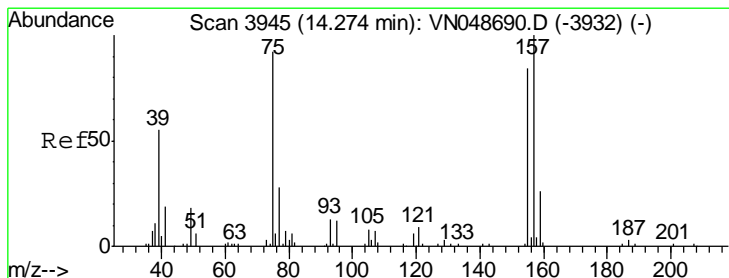
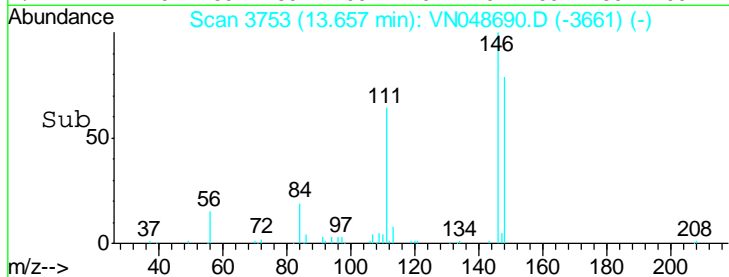
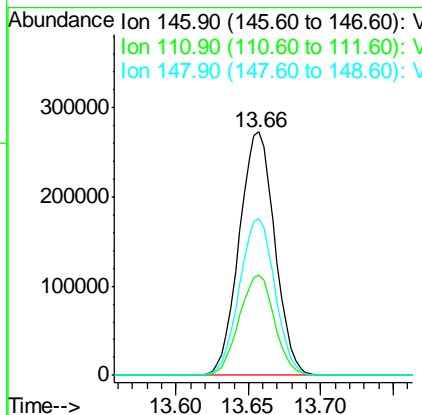
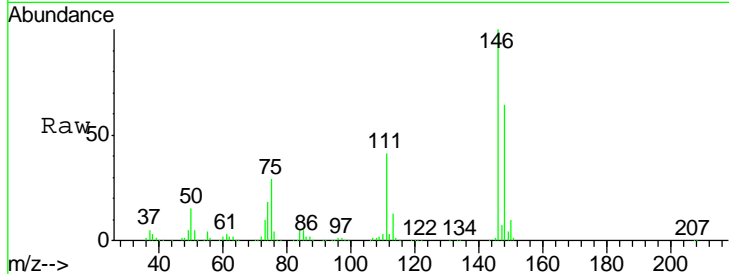
#91
 1,2-Dichlorobenzene
 Concen: 46.73 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	100		
111	40.8	19.9	59.6
148	64.1	32.0	96.0

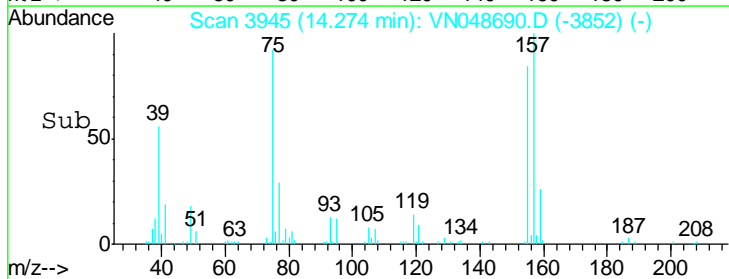
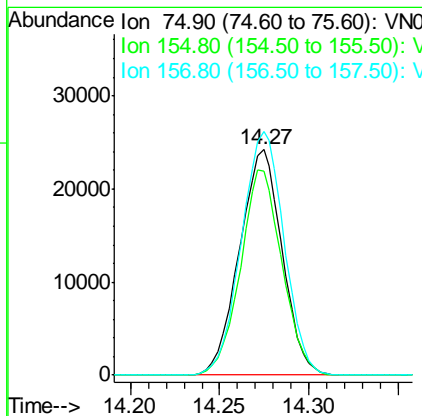
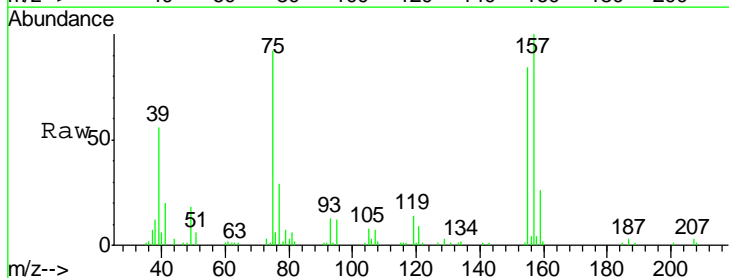
Manual Integrations
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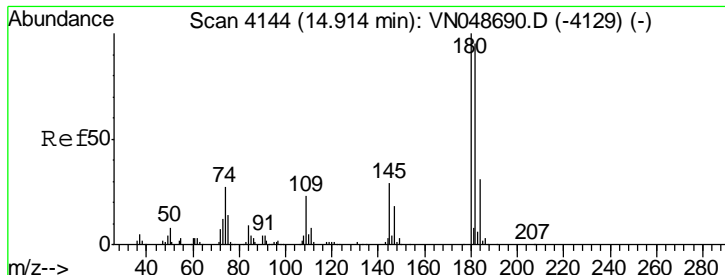
MMDadoda
 5/31/2018 11:12:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 35.13 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

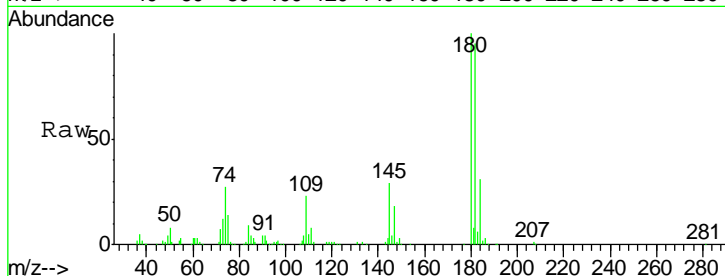
Tgt Ion	Resp	Lower	Upper
75	100		
155	88.4	47.1	141.4
157	108.2	60.9	182.6





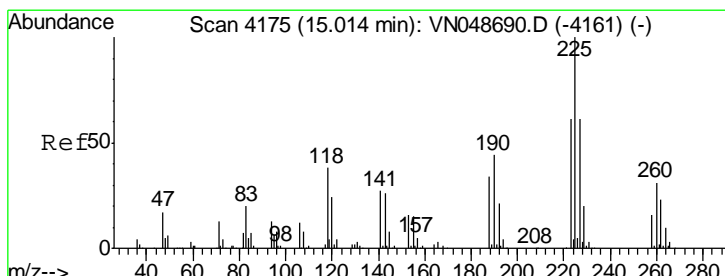
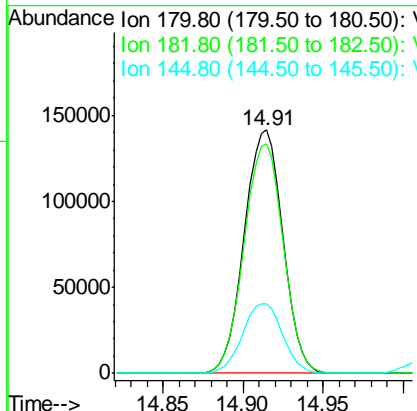
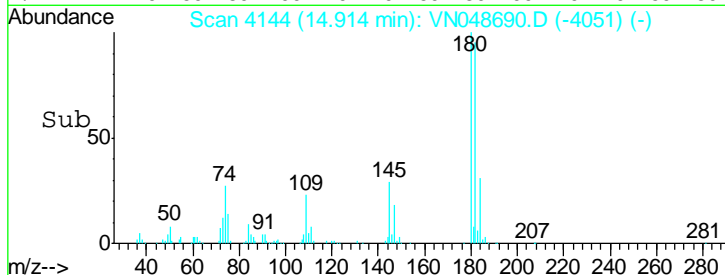
#93
 1,2,4-Trichlorobenzene
 Concen: 59.47 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

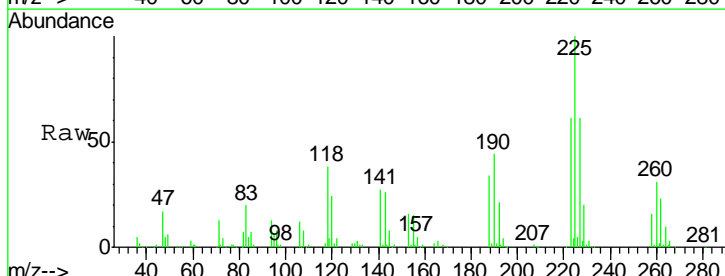


Tgt Ion	Resp	Lower	Upper
180	100		
182	95.7	47.9	143.8
145	29.6	14.6	43.8

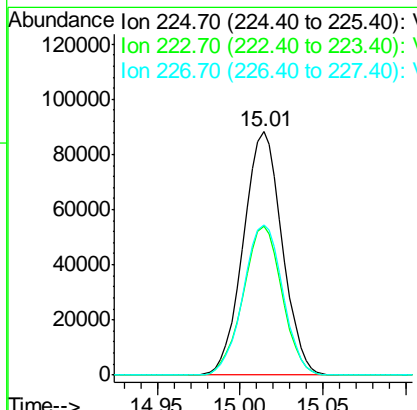
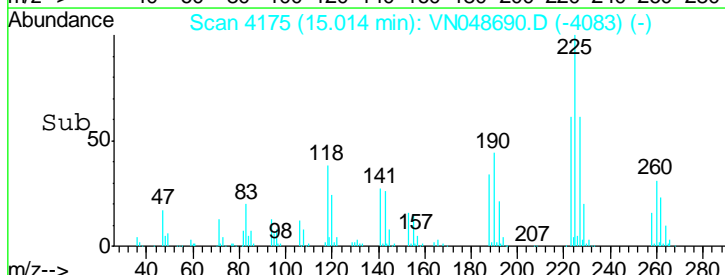
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 MMDadoda
 5/31/2018 11:12:36 AM

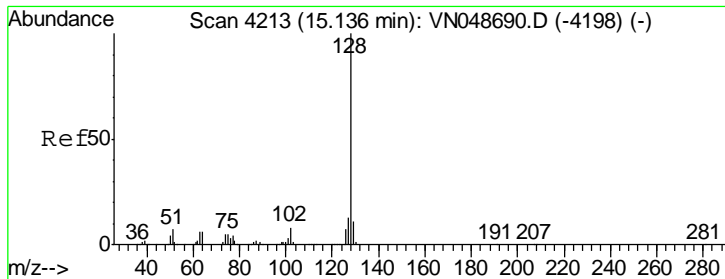


#94
 Hexachlorobutadiene
 Concen: 45.53 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05



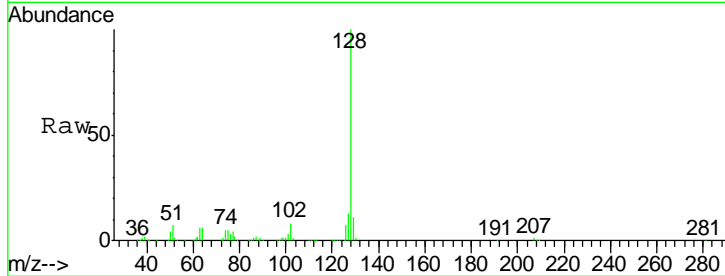
Tgt Ion	Resp	Lower	Upper
225	100		
223	61.3	31.3	93.8
227	62.9	31.9	95.5





#95
 Naphthalene
 Concen: 46.90 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05

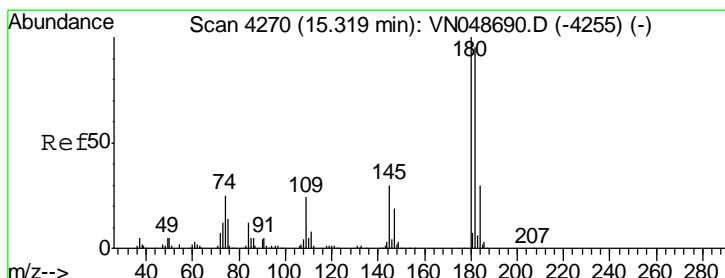
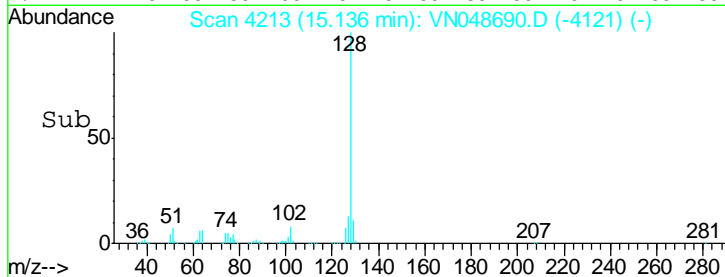
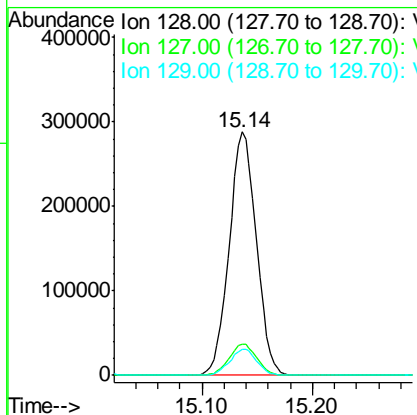
Instrument : MSVOA_N
 Client Sampled : VSTDICCC050



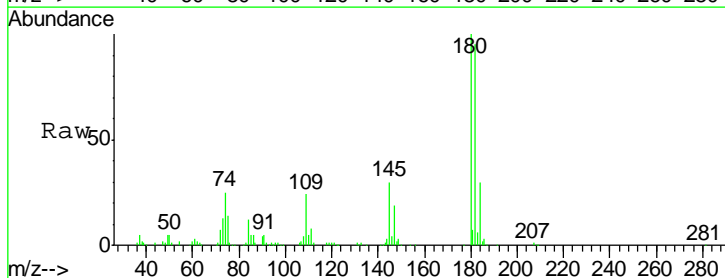
Tgt Ion	Resp	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations
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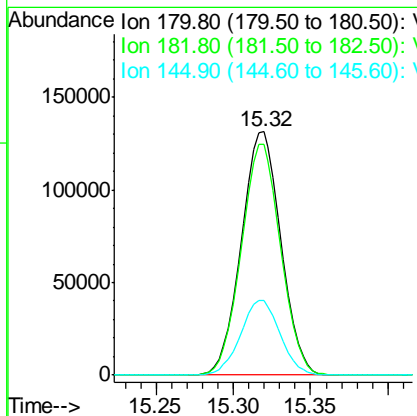
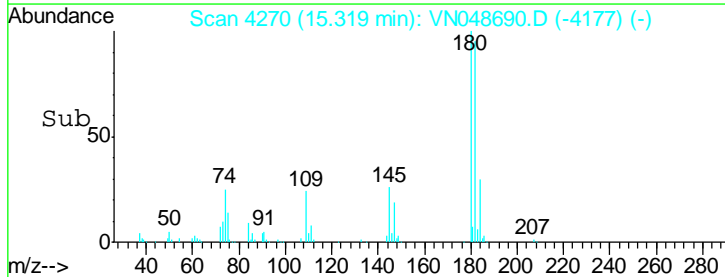
MMDadoda
 5/31/2018 11:12:36 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 56.60 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: VN048690.D
 Acq: 29 May 2018 12:05



Tgt Ion	Resp	Lower	Upper
180	100		
182	94.5	48.4	145.0
145	30.6	15.3	45.9



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048691.D
 Acq On : 29 May 2018 12:31
 Operator : MD\SY
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 11:12:37 AM

Quant Time: May 29 13:06:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	336603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	497385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	464005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	285178	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	451290	70.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.58%	
35) Dibromofluoromethane	7.59	113	410371	78.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.40%	
50) Toluene-d8	10.09	98	1534938	79.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	158.28%	
62) 4-Bromofluorobenzene	12.40	95	562615	86.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	395736	74.49	ug/l	99
3) Chloromethane	2.06	50	542635	75.17	ug/l	100
4) Vinyl Chloride	2.18	62	498579	81.49	ug/l	100
5) Bromomethane	2.55	94	281852	78.68	ug/l	96
6) Chloroethane	2.70	64	282517	82.59	ug/l	98
7) Trichlorofluoromethane	3.01	101	660230	80.78	ug/l	99
8) Diethyl Ether	3.41	74	259062	81.41	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	434142	83.45	ug/l	96
10) Methyl Iodide	3.95	142	641578	83.44	ug/l	97
11) Tert butyl alcohol	4.81	59	160268	272.41	ug/l	97
12) 1,1-Dichloroethene	3.73	96	412431	85.83	ug/l	95
13) Acrolein	3.61	56	259719	343.15	ug/l	99
14) Allyl chloride	4.32	41	792601	85.22	ug/l	98
15) Acrylonitrile	4.99	53	814292	340.88	ug/l	100
16) Acetone	3.82	43	595868	257.31	ug/l	97
17) Carbon Disulfide	4.05	76	1339400	85.89	ug/l	99
18) Methyl Acetate	4.33	43	349850	51.70	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1195996	81.22	ug/l	99
20) Methylene Chloride	4.55	84	483103	79.18	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	449316	85.83	ug/l	97
22) Diisopropyl ether	5.96	45	1549540	88.19	ug/l	99
23) Vinyl Acetate	5.90	43	5406957	429.52	ug/l	99
24) 1,1-Dichloroethane	5.85	63	882102	87.06	ug/l	99
25) 2-Butanone	6.84	43	925184	299.86	ug/l	99
26) 2,2-Dichloropropane	6.82	77	721789	87.14	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	513558	87.03	ug/l	97
28) Bromochloromethane	7.20	49	406974	110.78	ug/l	93
29) Tetrahydrofuran	7.22	42	621123	316.18	ug/l	97
30) Chloroform	7.37	83	849417	85.71	ug/l	99
31) Cyclohexane	7.65	56	818535	79.18	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	747514	86.64	ug/l	99
36) 1,1-Dichloropropene	7.79	75	680177	93.17	ug/l	98
37) Ethyl Acetate	6.94	43	409476	67.29	ug/l	99
38) Carbon Tetrachloride	7.78	117	679753	90.18	ug/l	98

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048691.D
 Acq On : 29 May 2018 12:31
 Operator : MD\SY
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Manual Integrations
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MMDadoda
 5/31/2018 11:12:37 AM

Quant Time: May 29 13:06:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	769502	95.20	ug/l	99
40) Benzene	8.04	78	1983840	90.78	ug/l	99
41) Methacrylonitrile	7.17	41	214479	66.83	ug/l	91
42) 1,2-Dichloroethane	8.13	62	620345	86.87	ug/l	100
43) Isopropyl Acetate	8.17	43	769371	72.90	ug/l #	90
44) Trichloroethene	8.84	130	519585	94.33	ug/l	98
45) 1,2-Dichloropropane	9.12	63	541459	91.22	ug/l	98
46) Dibromomethane	9.21	93	307040	84.44	ug/l	95
47) Bromodichloromethane	9.40	83	669924	90.51	ug/l	100
48) Methyl methacrylate	9.20	41	382868	74.69	ug/l	99
49) 1,4-Dioxane	9.20	88	92210	1359.55	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2079364	341.95	ug/l	100
52) Toluene	10.16	92	1211957	93.78	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	730679	95.93	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	828804	97.13	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	427234	84.76	ug/l	98
56) Ethyl methacrylate	10.43	69	598803	85.23	ug/l	99
57) 1,3-Dichloropropane	10.71	76	759021	87.44	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1122777	841.35	ug/l	97
59) 2-Hexanone	10.75	43	1402450	331.79	ug/l	100
60) Dibromochloromethane	10.90	129	516128	90.78	ug/l	100
61) 1,2-Dibromoethane	11.01	107	412619	79.25	ug/l	99
64) Tetrachloroethene	10.63	164	446922	87.72	ug/l	97
65) Chlorobenzene	11.44	112	1343544	92.23	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	499465	92.91	ug/l	99
67) Ethyl Benzene	11.51	91	2389934	96.10	ug/l	99
68) m/p-Xylenes	11.62	106	1845494	202.02	ug/l	99
69) o-Xylene	11.95	106	899233	100.17	ug/l	99
70) Styrene	11.97	104	1445352	101.18	ug/l	99
71) Bromoform	12.13	173	345266	85.51	ug/l #	99
73) Isopropylbenzene	12.25	105	2367147	85.29	ug/l	100
74) N-amyl acetate	12.07	43	741186	73.90	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	552805	65.22	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	454822m	71.57	ug/l	
77) Bromobenzene	12.53	156	576100	85.16	ug/l	99
78) n-propylbenzene	12.59	91	2825201	89.50	ug/l	99
79) 2-Chlorotoluene	12.68	91	1651458	85.88	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1997615	88.59	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	168787	79.43	ug/l	96
82) 4-Chlorotoluene	12.78	91	1690801	90.41	ug/l	100
83) tert-Butylbenzene	13.00	119	1715336	87.28	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2067545	92.31	ug/l	100
85) sec-Butylbenzene	13.17	105	2388260	91.52	ug/l	100
86) p-Isopropyltoluene	13.29	119	2095455	94.90	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	1070521	92.69	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1047976	90.95	ug/l	99
89) n-Butylbenzene	13.62	91	1823365	105.93	ug/l	98
90) Hexachloroethane	13.88	117	401671	81.86	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	1010928	89.79	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86516	66.41	ug/l	92

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048691.D
 Acq On : 29 May 2018 12:31
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampleId :
 VSTDICC100

Manual Integrations
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 MMDadoda
 5/31/2018 11:12:37 AM

Quant Time: May 29 13:06:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	545969	123.12	ug/l	99
94) Hexachlorobutadiene	15.01	225	294120	82.61	ug/l	100
95) Naphthalene	15.14	128	1210910	102.41	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	526432	112.86	ug/l	100

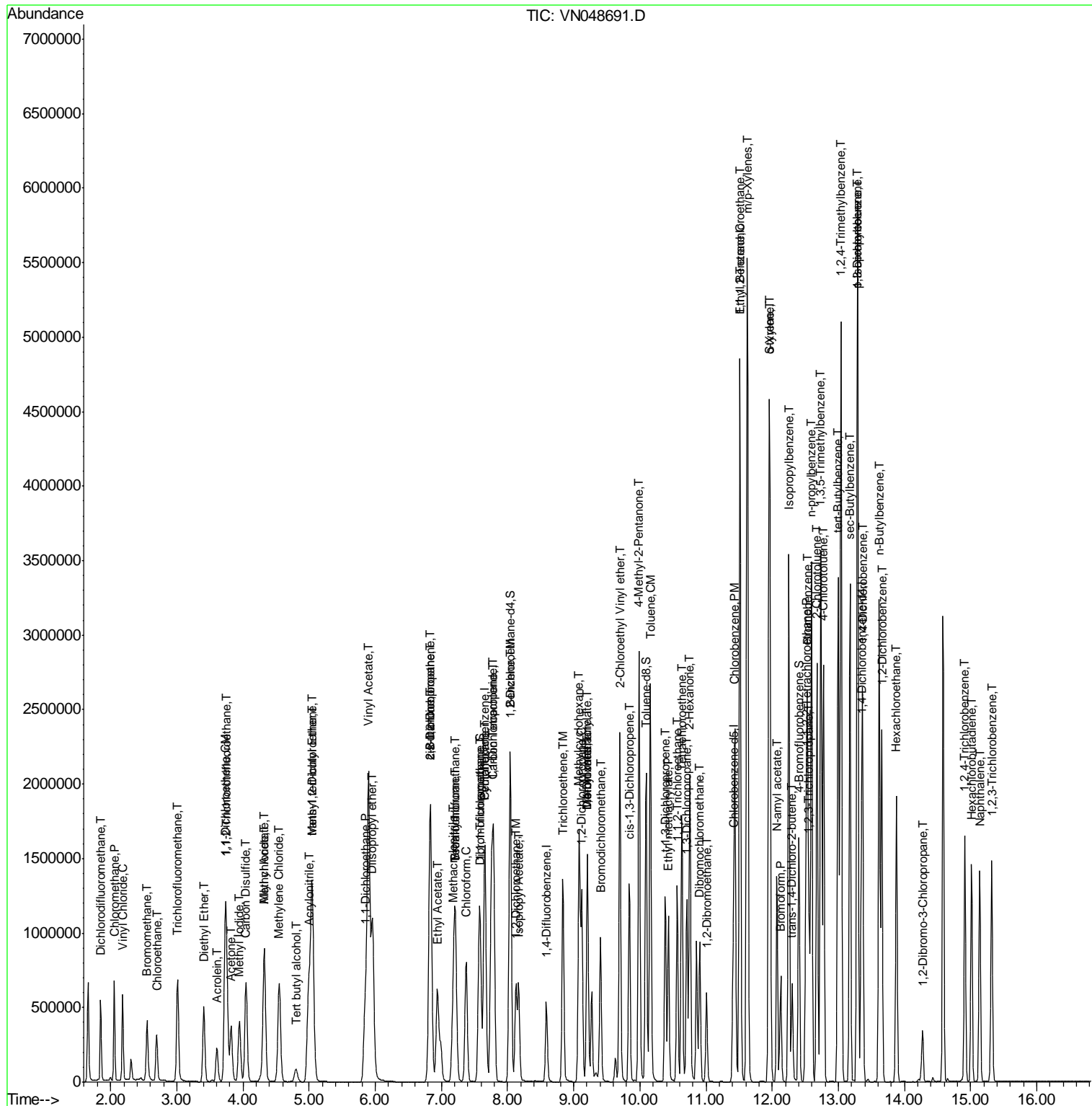
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
Data File : VN048691.D
Acq On : 29 May 2018 12:31
Operator : MD\SY
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

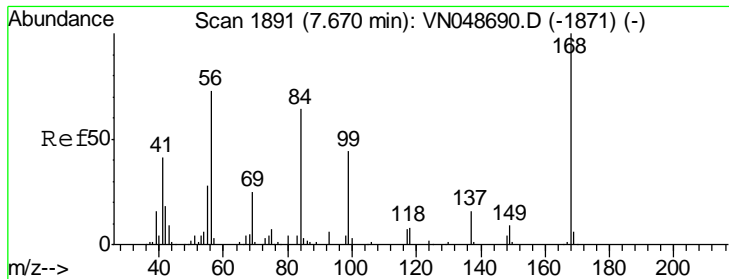
Instrument : MSVOA_N
Client Sampled : VSTDIC100

Manual Integrations APPROVED
MMDadoda
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Quant Time: May 29 13:06:54 2018
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260
QLast Update : Tue May 29 12:30:18 2018
Response via : Initial Calibration



- 1
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- 14
- 15
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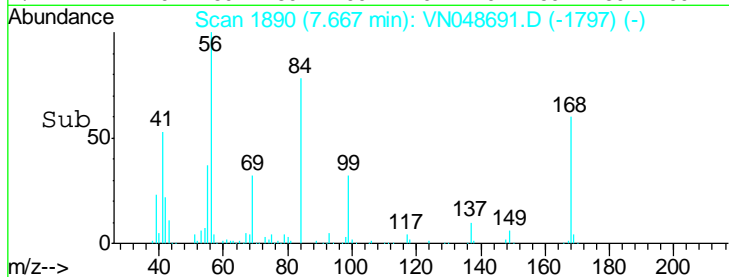
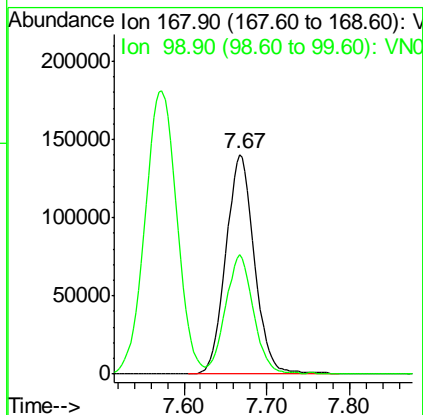
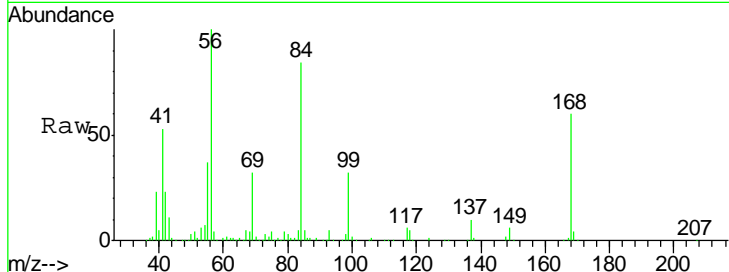
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 168 Resp: 336603
 Ion Ratio Lower Upper
 168 100
 99 54.0 40.8 61.2

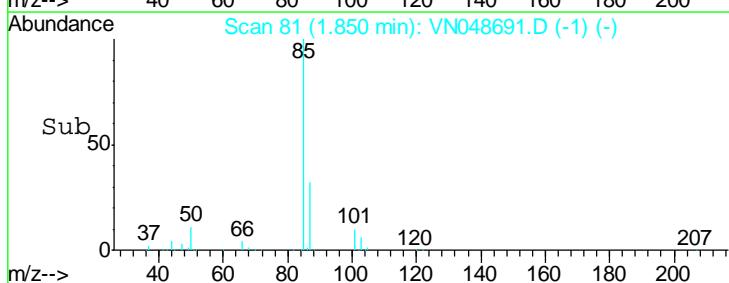
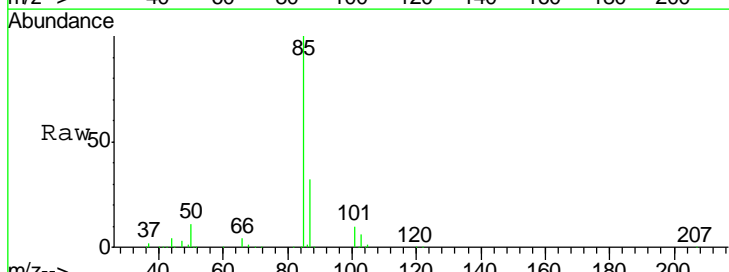
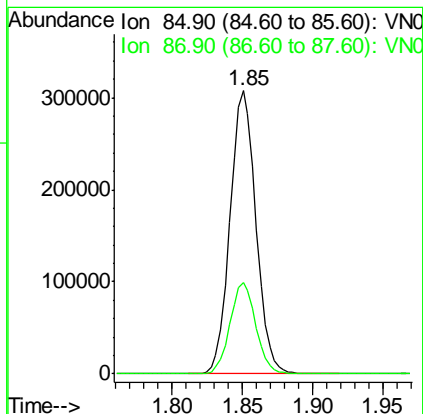
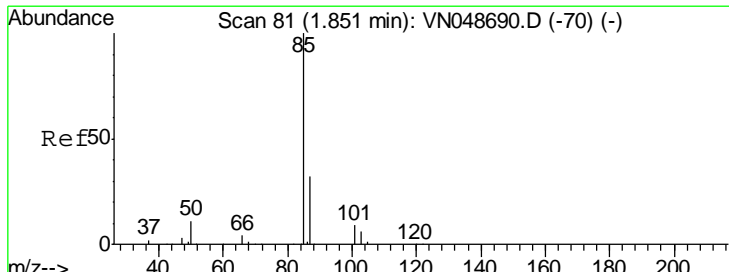
Manual Integrations
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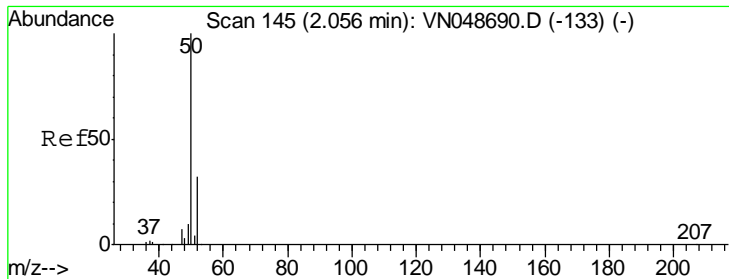
MMDadoda
 5/31/2018 11:12:37 AM



#2
 Dichlorodifluoromethane
 Concen: 74.49 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion: 85 Resp: 395736
 Ion Ratio Lower Upper
 85 100
 87 32.2 15.9 47.7



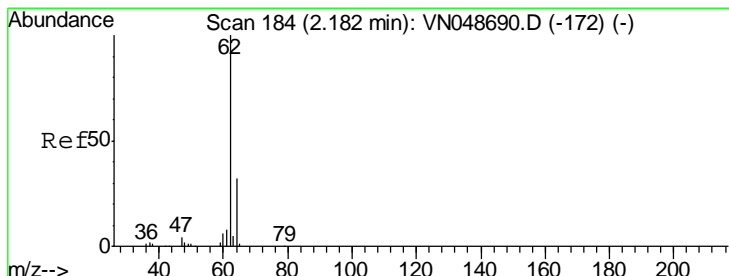
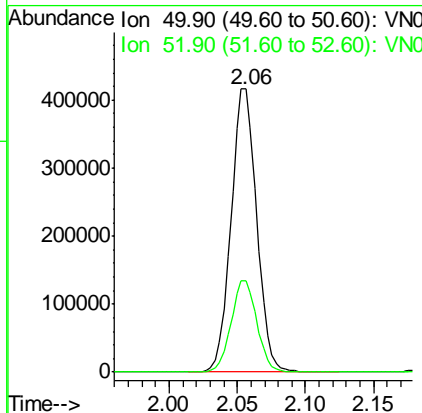
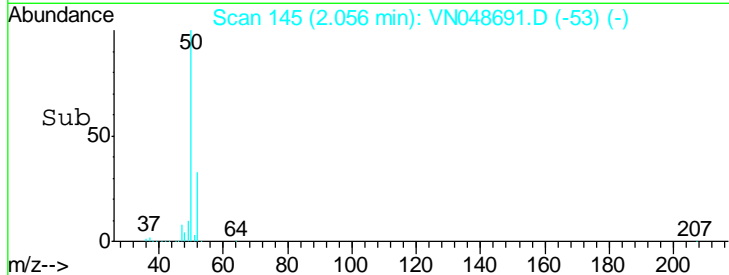
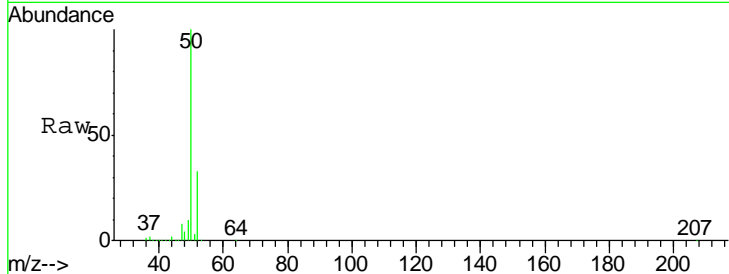


#3
 Chloromethane
 Concen: 75.17 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.5	26.0	39.0

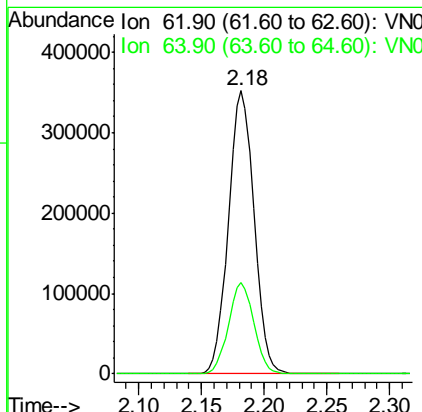
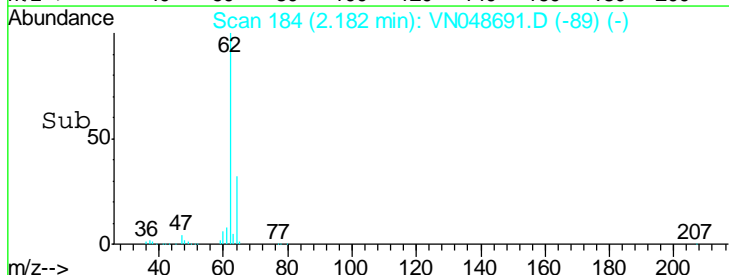
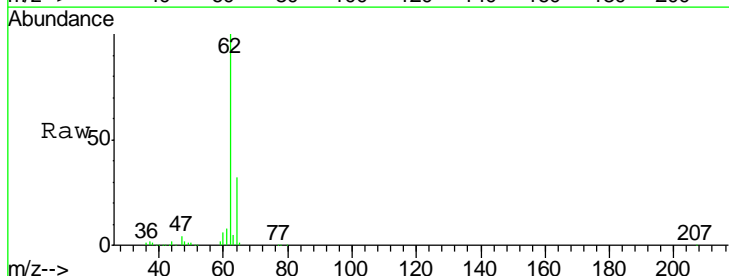
Instrument : MSVOA_N
 ClientSampled : VSTDIC100

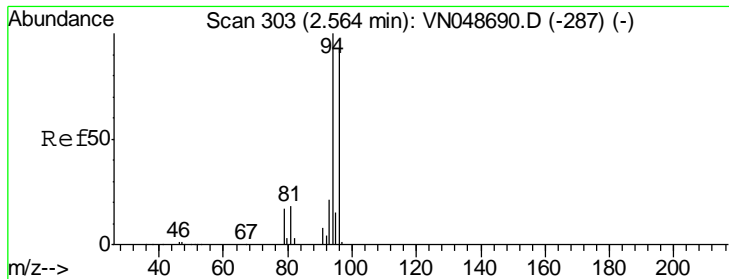
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#4
 Vinyl Chloride
 Concen: 81.49 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.1	25.6	38.4





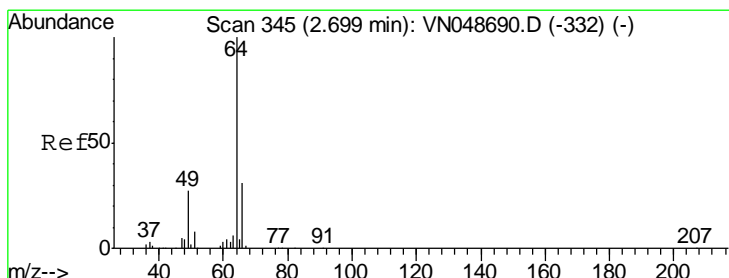
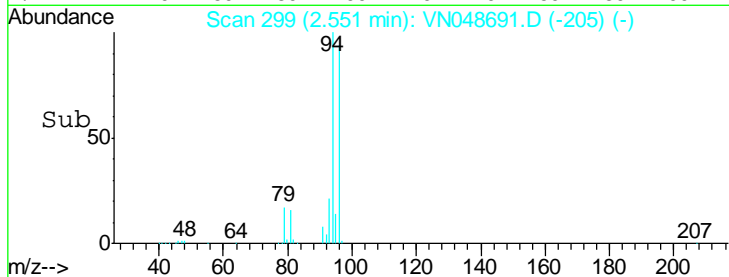
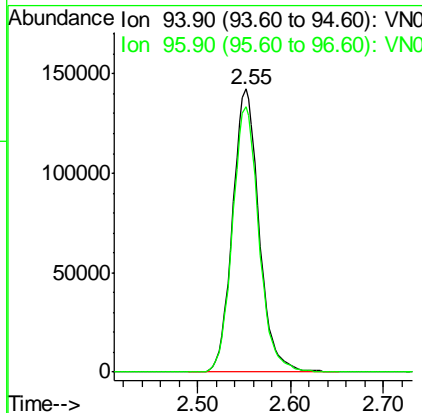
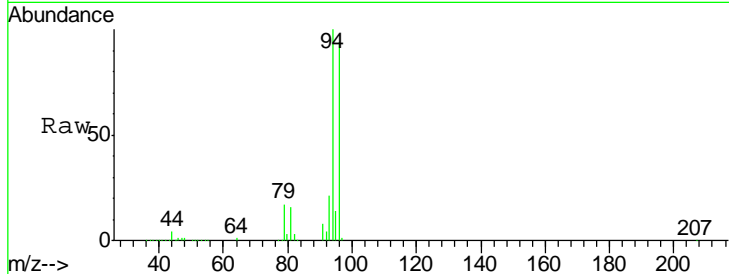
#5
 Bromomethane
 Concen: 78.68 ug/l
 RT: 2.55 min Scan# 299
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
94	281852		
94	100		
96	93.9	78.0	117.0

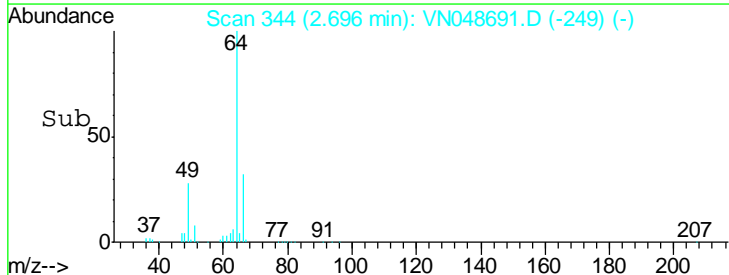
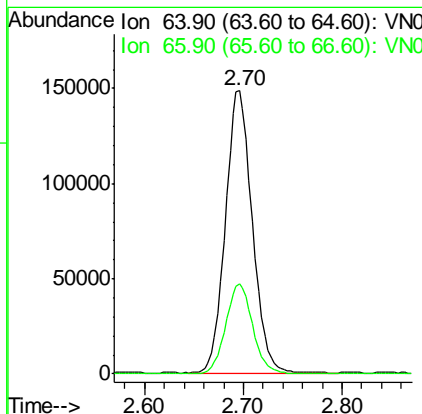
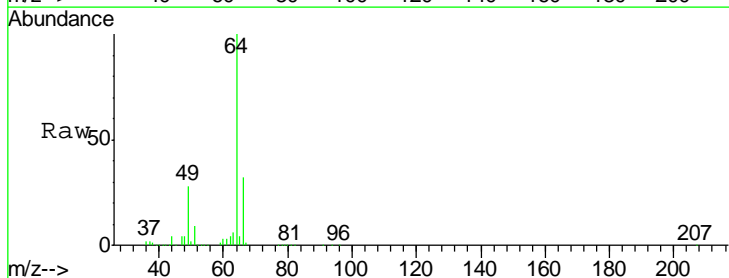
Manual Integrations
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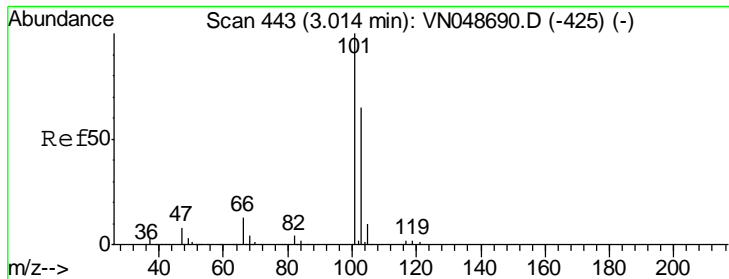
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#6
 Chloroethane
 Concen: 82.59 ug/l
 RT: 2.70 min Scan# 344
 Delta R.T. 0.01 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
64	282517		
64	100		
66	31.9	24.8	37.2





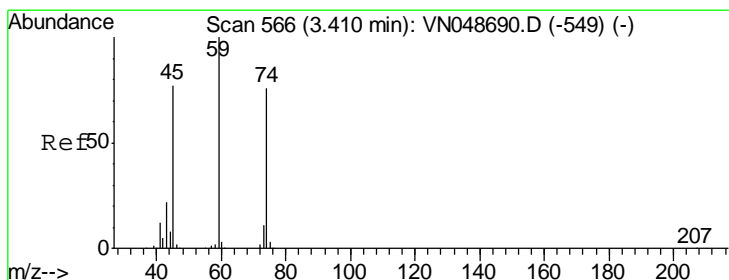
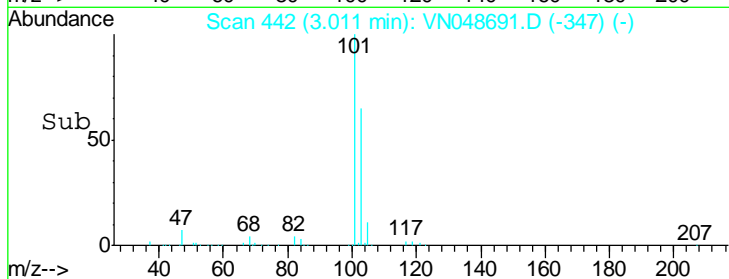
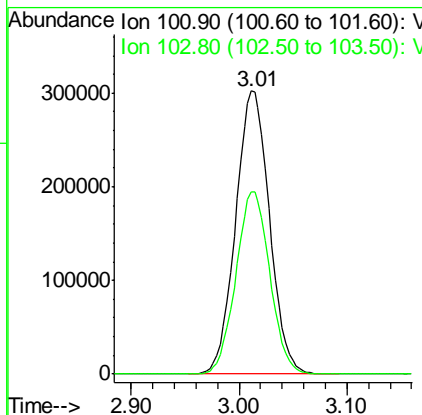
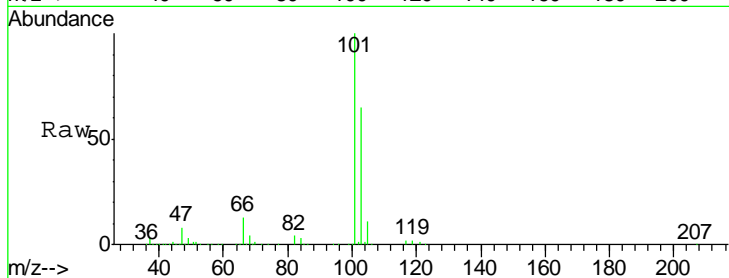
#7
 Trichlorofluoromethane
 Concen: 80.78 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.01 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
101	660230		
103	64.5	50.8	76.2

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

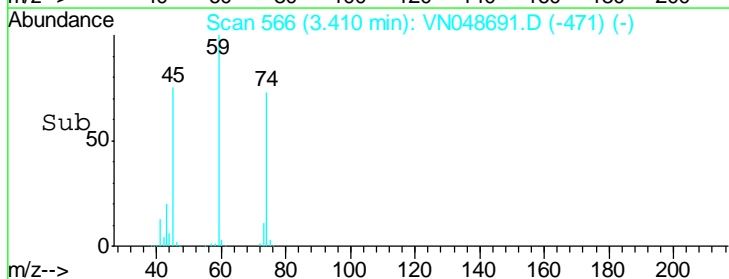
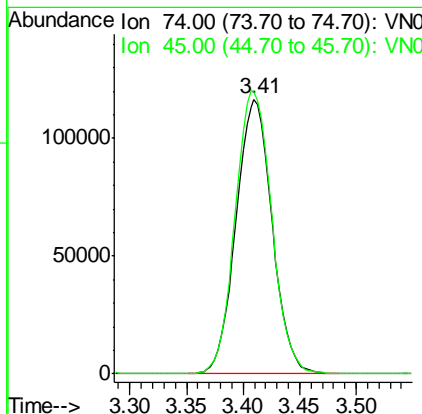
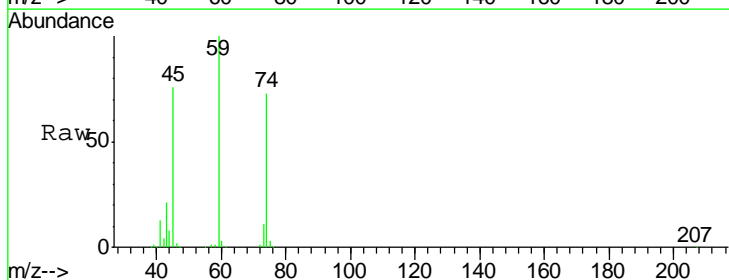
Manual Integrations
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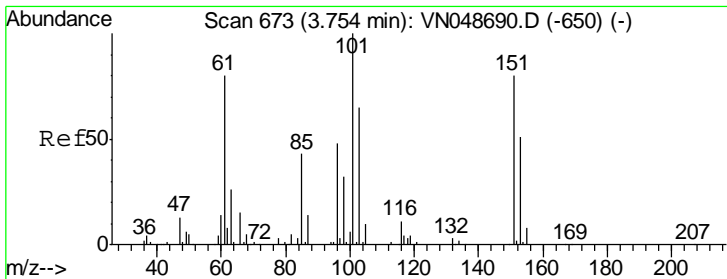
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#8
 Diethyl Ether
 Concen: 81.41 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
74	259062		
45	104.5	50.0	150.0





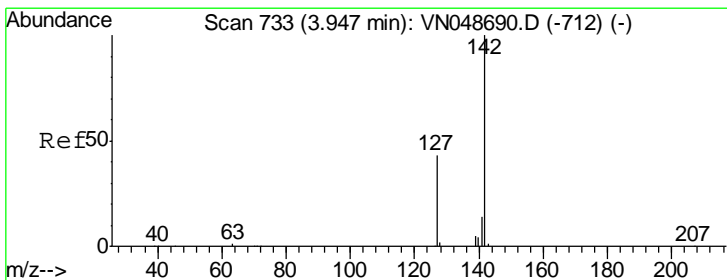
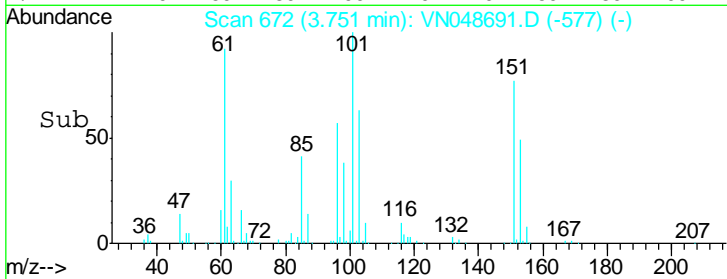
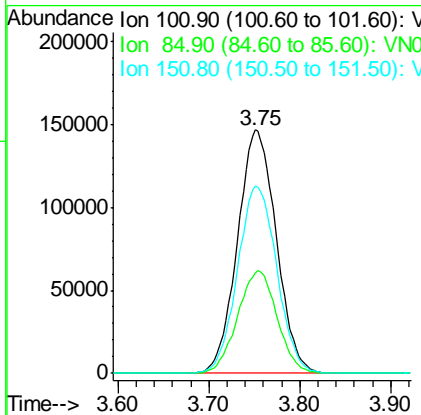
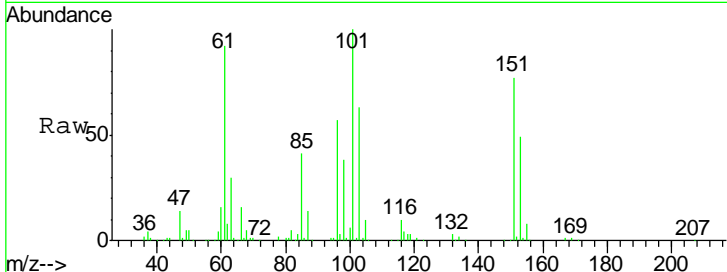
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 83.45 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. 0.01 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	434142		
101	100		
85	42.7	33.3	49.9
151	78.2	66.5	99.7

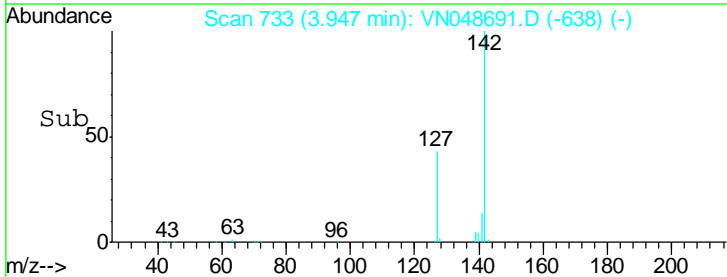
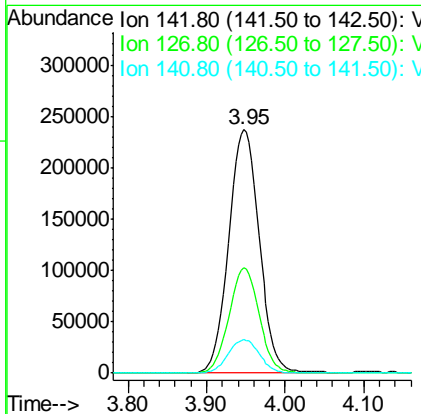
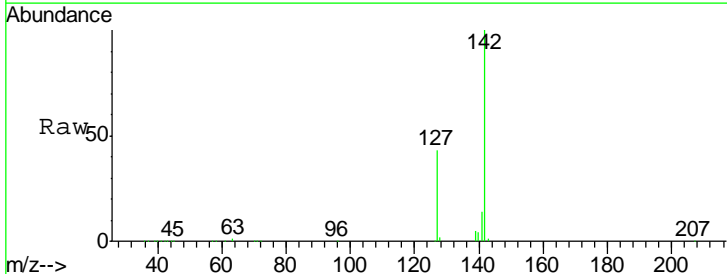
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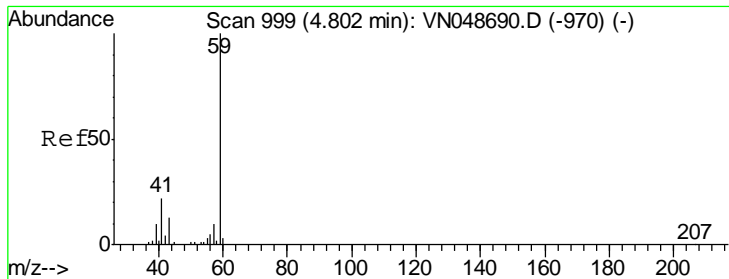
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#10
 Methyl Iodide
 Concen: 83.44 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
142	641578		
142	100		
127	42.8	32.5	48.7
141	14.1	11.3	16.9





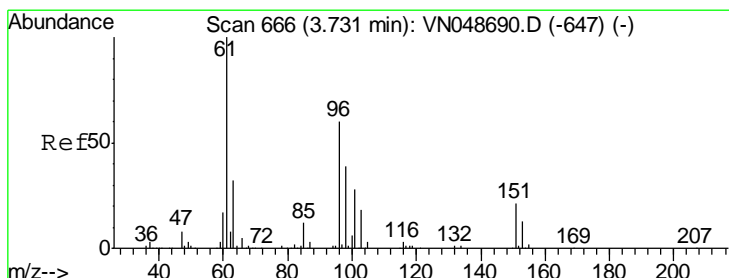
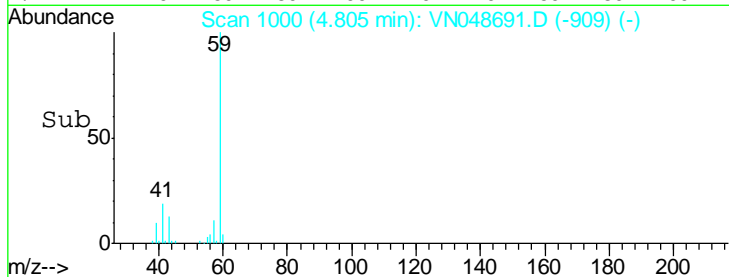
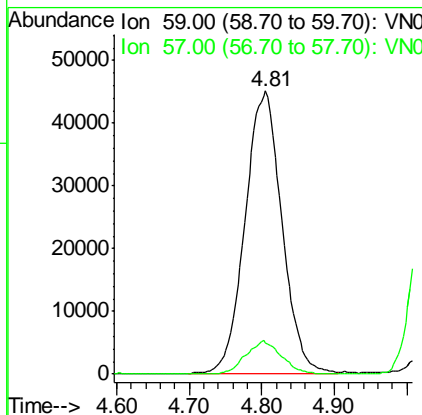
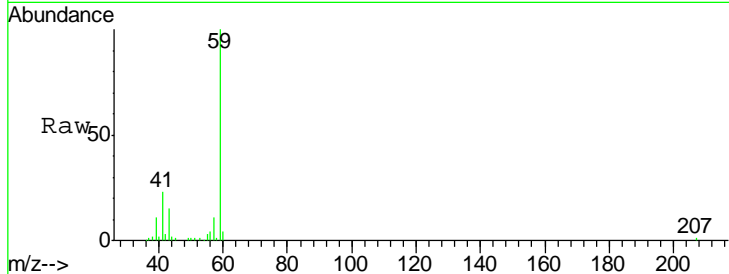
#11
 Tert butyl alcohol
 Concen: 272.41 ug/l
 RT: 4.81 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
59	160268		
57	11.4	8.1	12.1

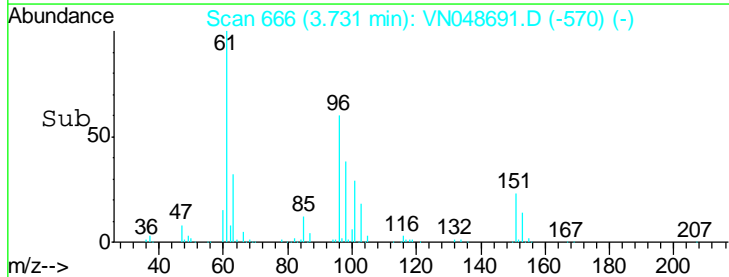
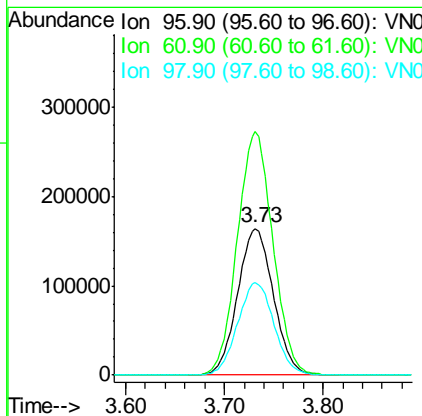
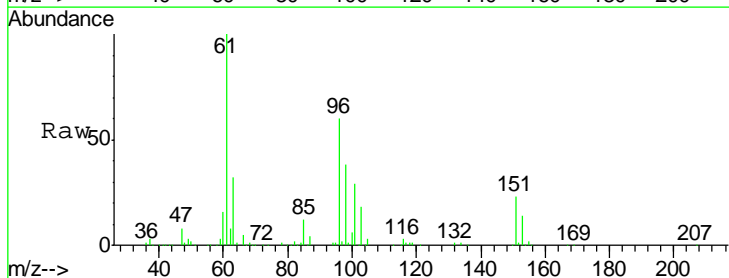
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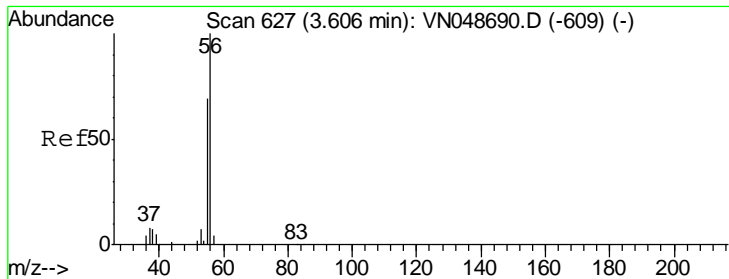
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#12
 1,1-Dichloroethene
 Concen: 85.83 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
96	412431		
61	166.1	125.6	188.4
98	62.7	51.0	76.4





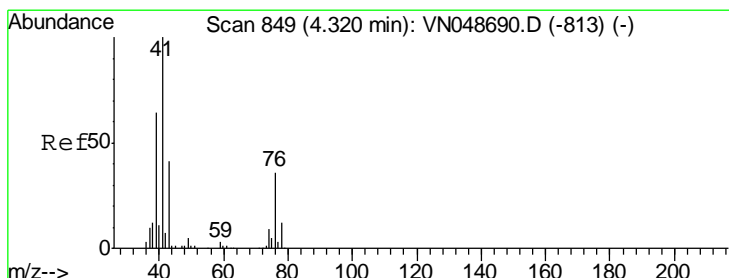
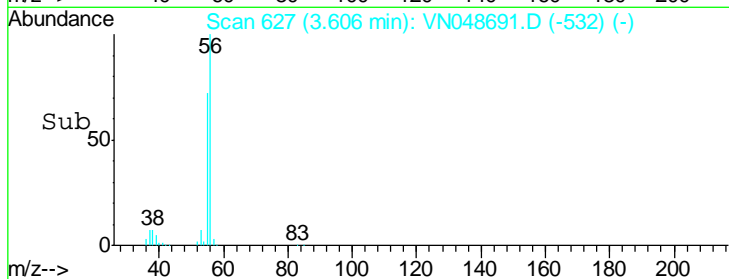
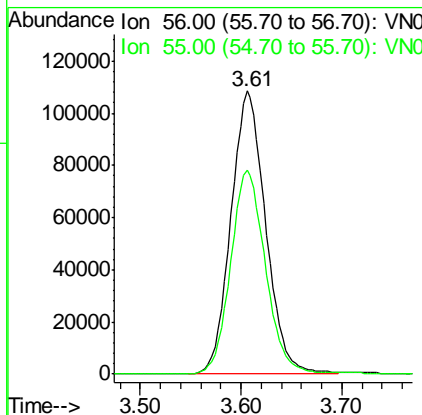
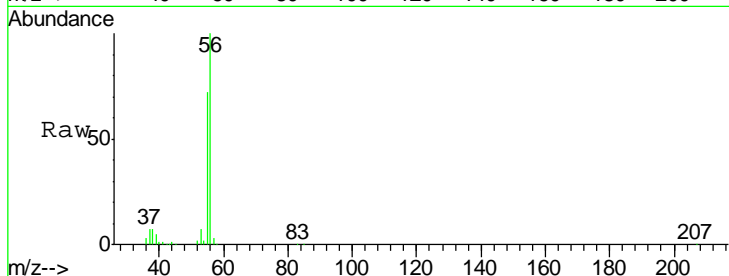
#13
 Acrolein
 Concen: 343.15 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
56	100		
55	72.3	57.1	85.7

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

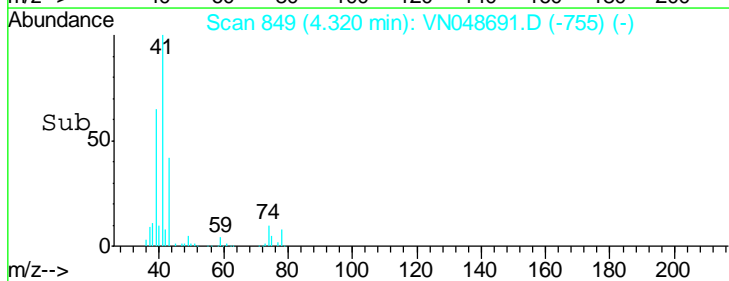
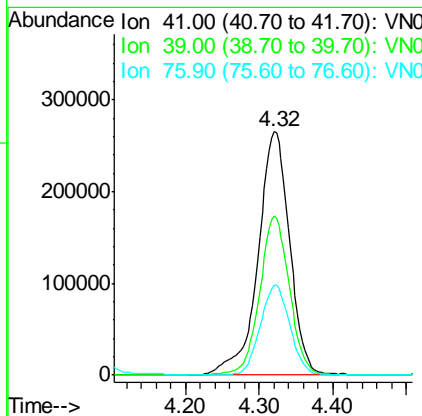
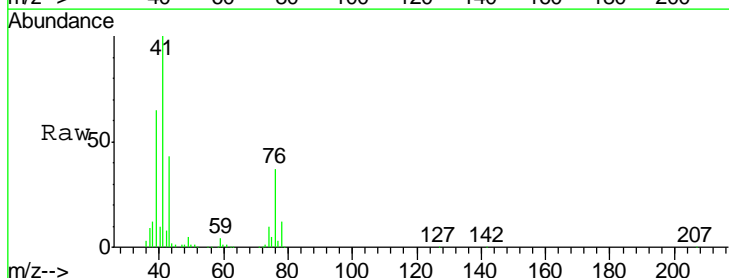
Manual Integrations
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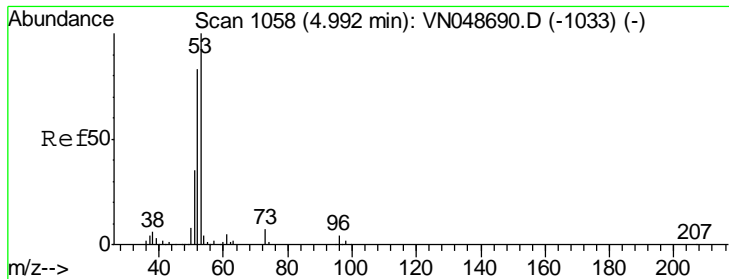
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#14
 Allyl chloride
 Concen: 85.22 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
41	100		
39	61.5	51.1	76.7
76	34.3	28.2	42.2





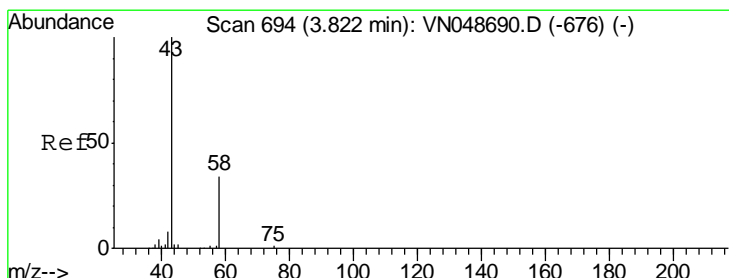
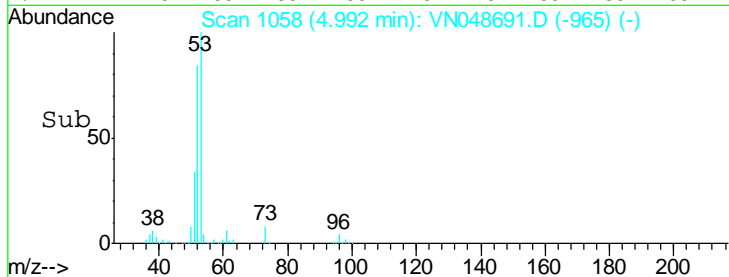
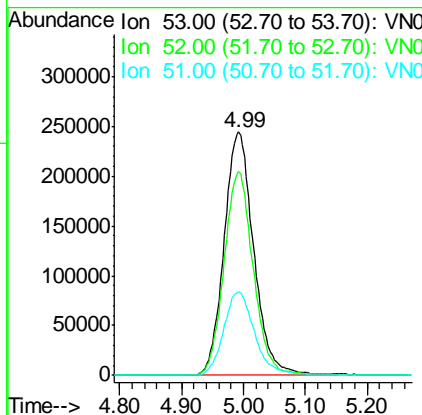
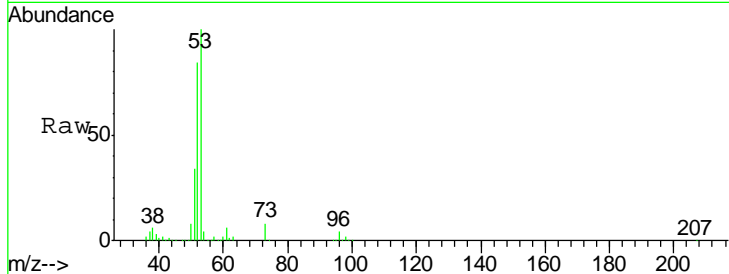
#15
 Acrylonitrile
 Concen: 340.88 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.3	65.5	98.3
51	35.7	28.8	43.2

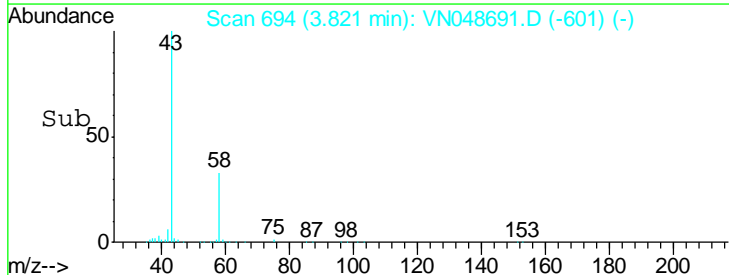
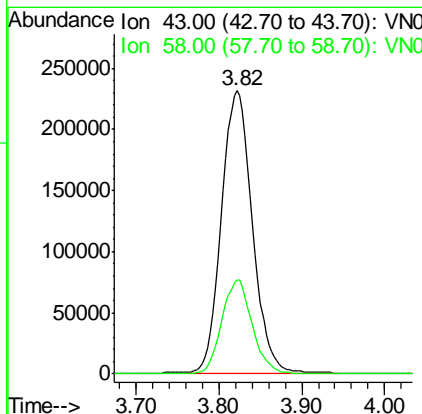
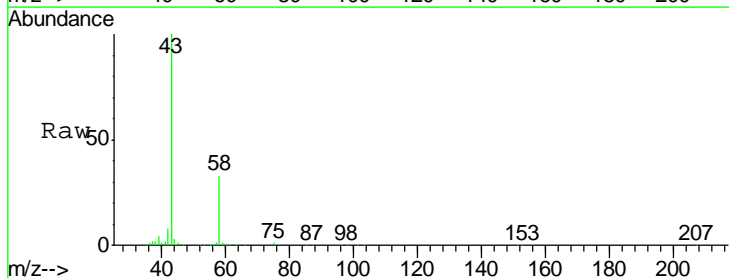
Manual Integrations
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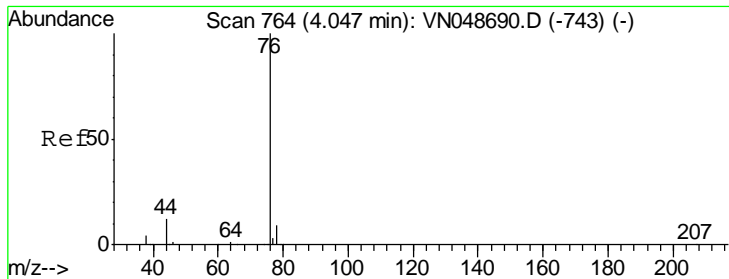
MMDadoda
 5/31/2018 11:12:37 AM



#16
 Acetone
 Concen: 257.31 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.2	25.4	38.0





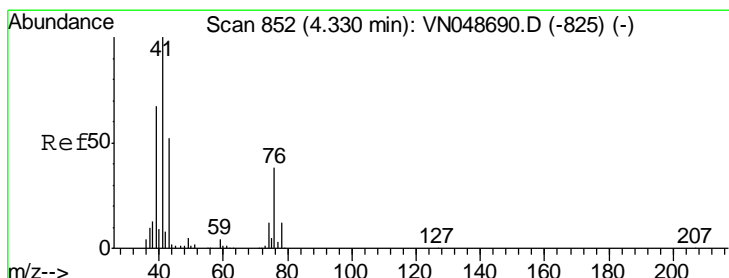
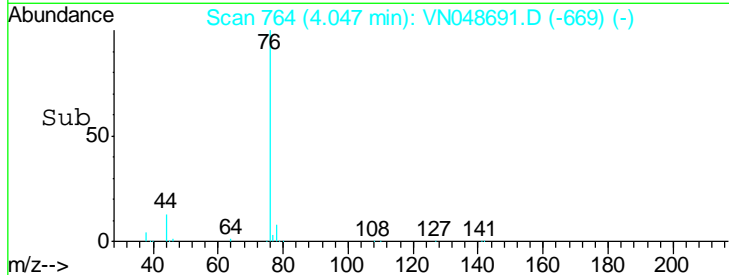
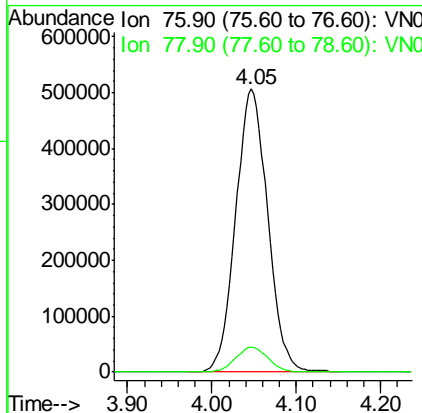
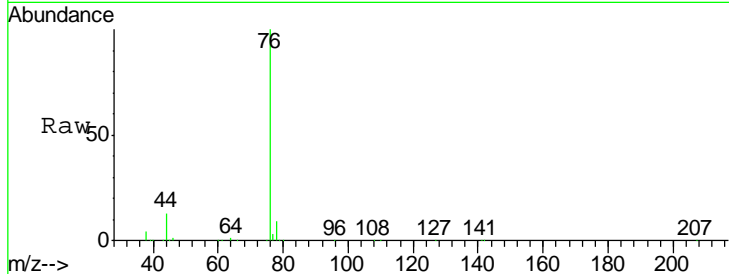
#17
 Carbon Disulfide
 Concen: 85.89 ug/l
 RT: 4.05 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	100		
78	8.8	7.2	10.8

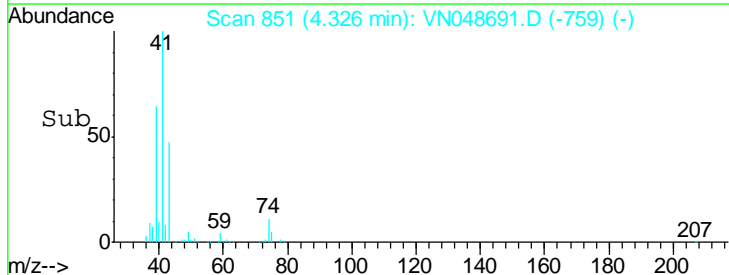
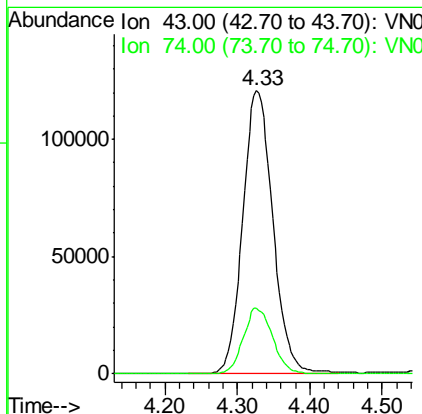
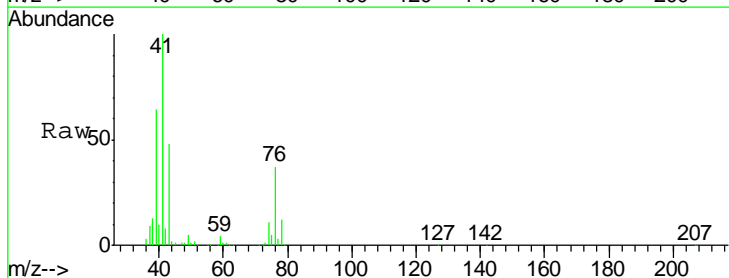
Manual Integrations
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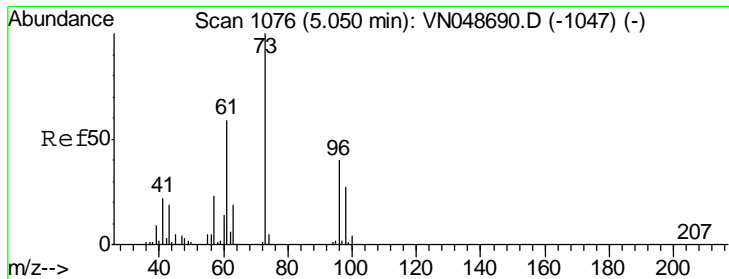
MMDadoda
 5/31/2018 11:12:37 AM



#18
 Methyl Acetate
 Concen: 51.70 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
43	100		
74	22.5	18.4	27.6





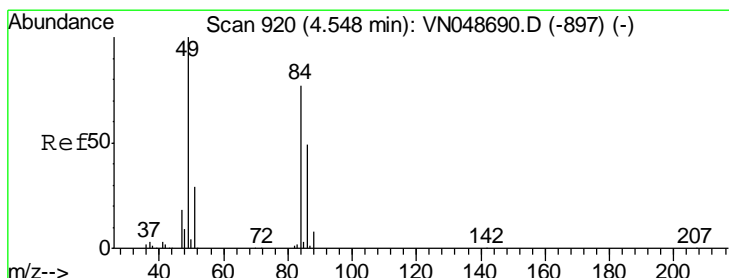
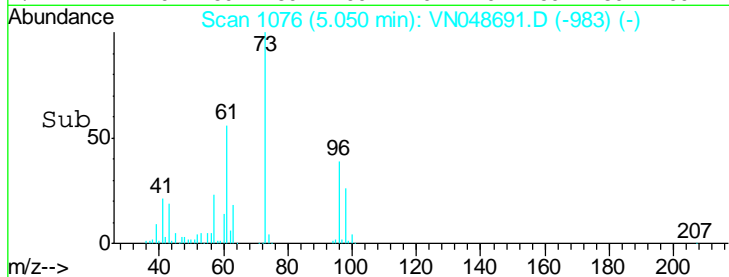
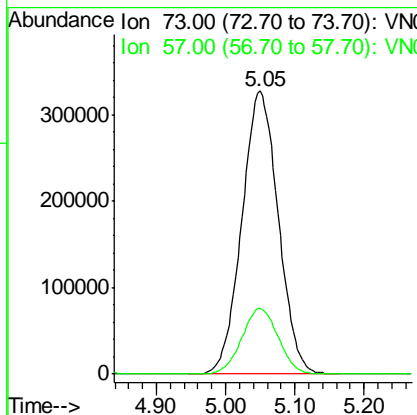
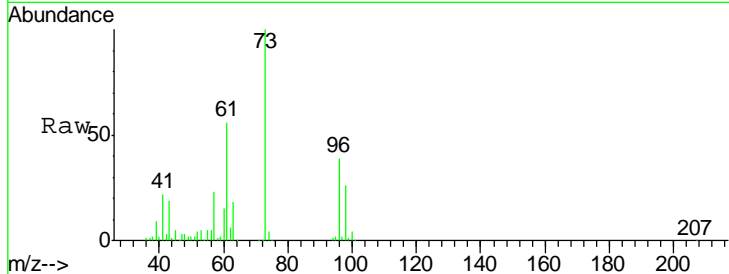
#19
 Methyl tert-butyl Ether
 Concen: 81.22 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
73	1195996		
73	100		
57	23.1	18.0	27.0

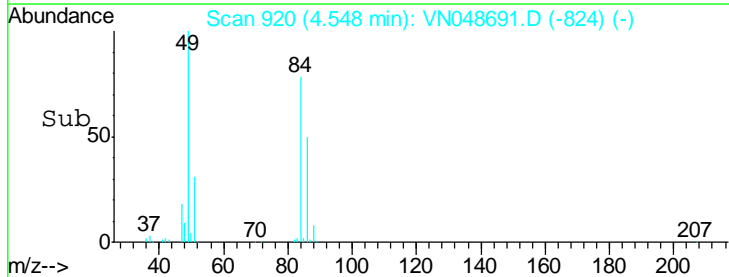
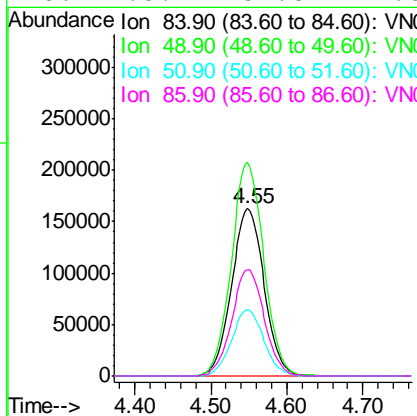
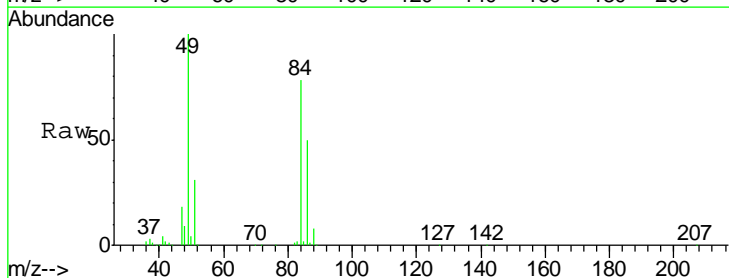
Manual Integrations
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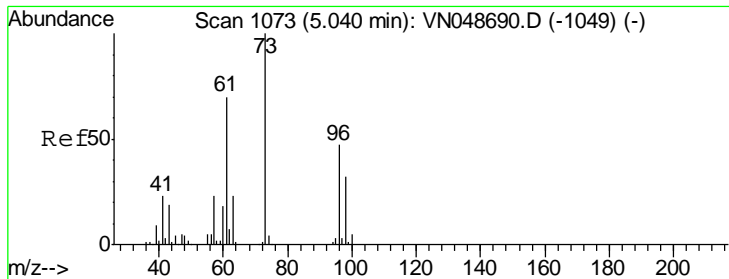
MMDadoda
 5/31/2018 11:12:37 AM



#20
 Methylene Chloride
 Concen: 79.18 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

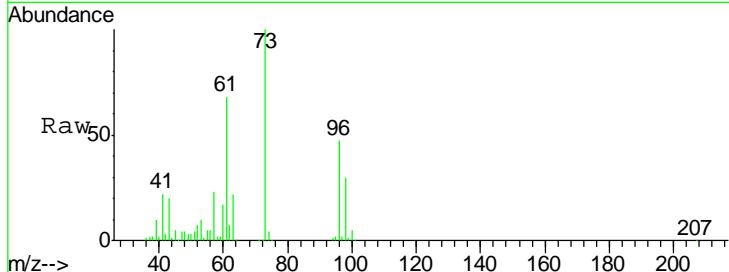
Tgt Ion	Resp	Lower	Upper
84	483103		
84	100		
49	127.6	97.7	146.5
51	39.8	30.4	45.6
86	63.7	51.8	77.8





#21
 trans-1,2-Dichloroethene
 Concen: 85.83 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

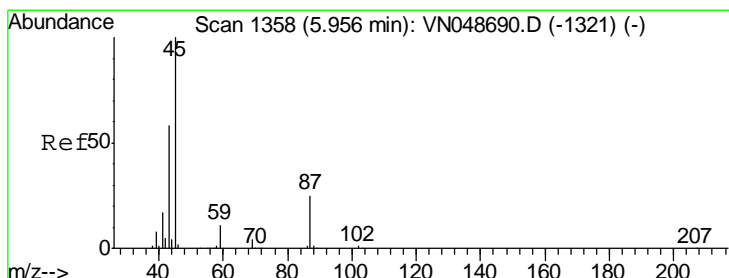
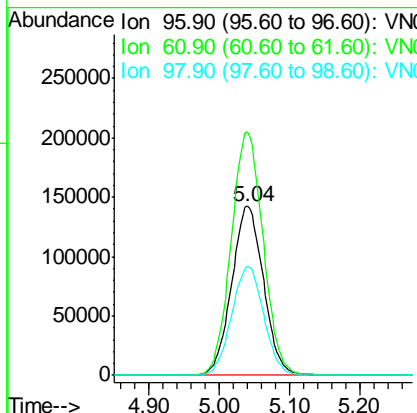
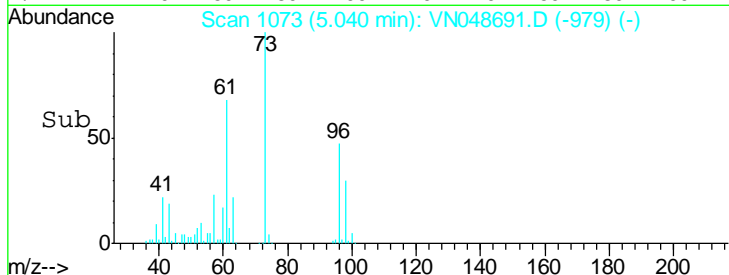


Tgt Ion: 96 Resp: 449316

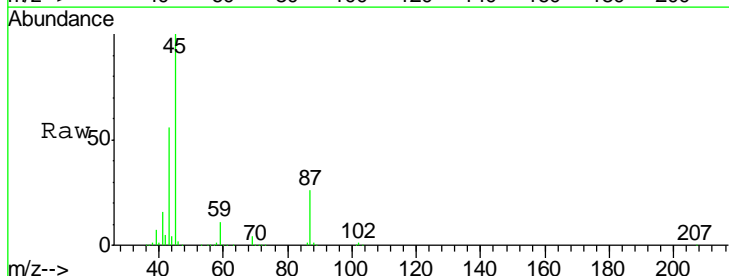
Ion	Ratio	Lower	Upper
96	100		
61	144.1	112.2	168.2
98	64.4	50.5	75.7

Manual Integrations
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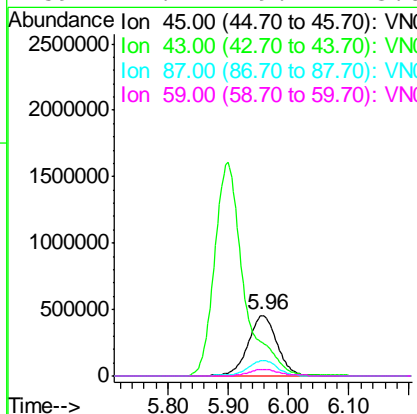
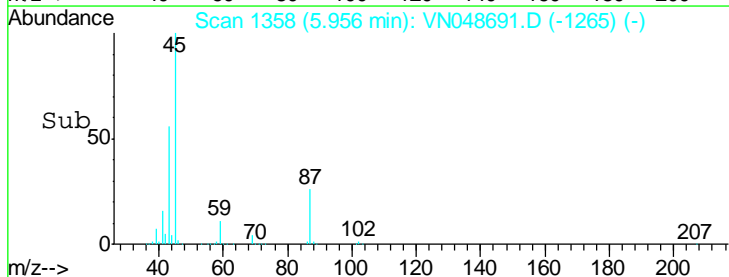


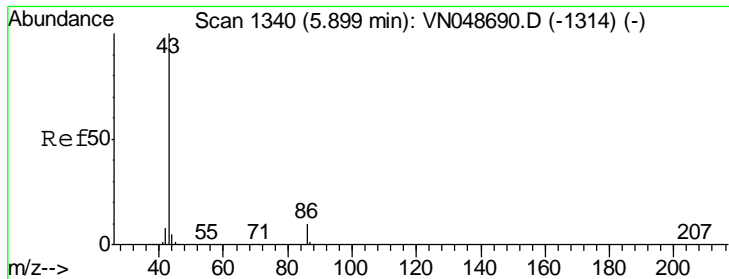
#22
 Diisopropyl ether
 Concen: 88.19 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31



Tgt Ion: 45 Resp: 1549540

Ion	Ratio	Lower	Upper
45	100		
43	54.7	43.8	65.8
87	26.1	21.8	32.6
59	11.1	9.2	13.8





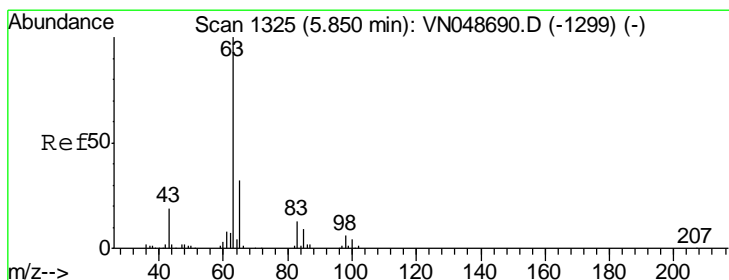
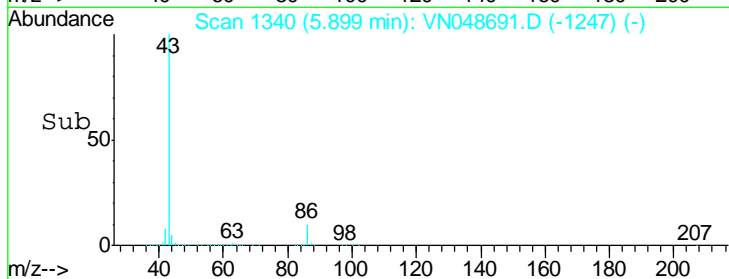
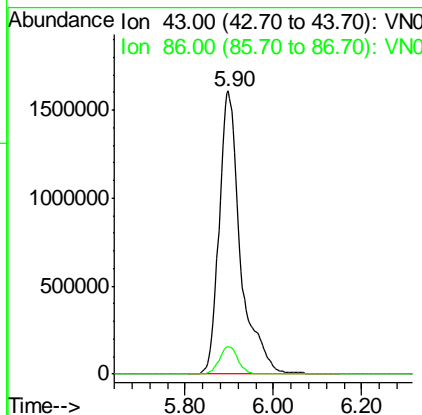
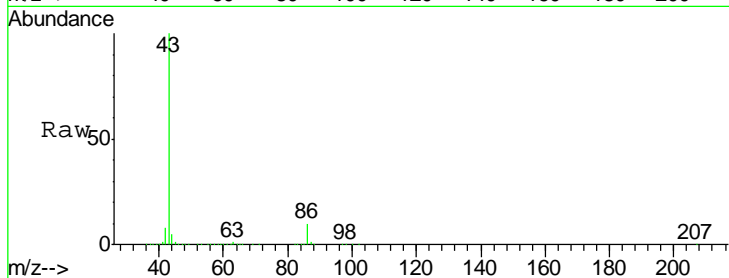
#23
 Vinyl Acetate
 Concen: 429.52 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
43	100		
86	9.8	8.2	12.2

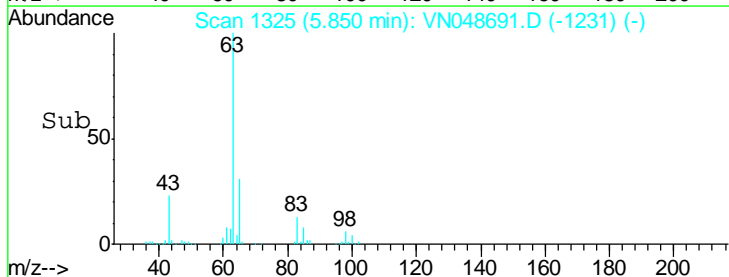
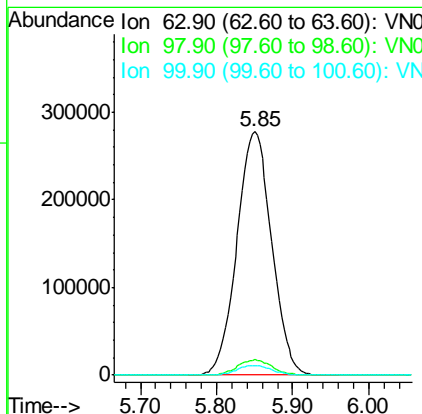
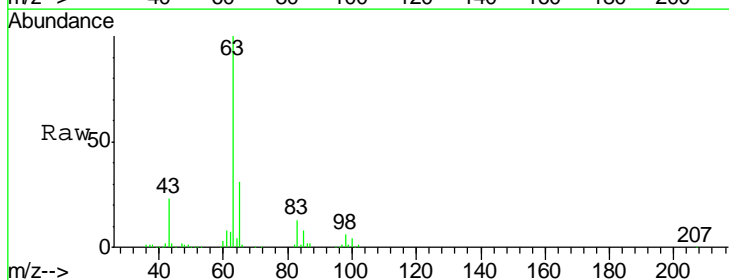
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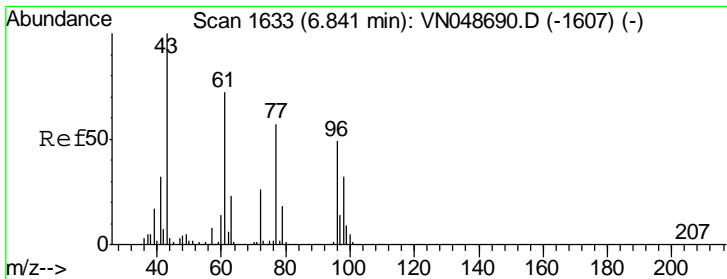
MMDadoda
 5/31/2018 11:12:37 AM



#24
 1,1-Dichloroethane
 Concen: 87.06 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.3	3.2	9.6
100	3.8	2.1	6.3





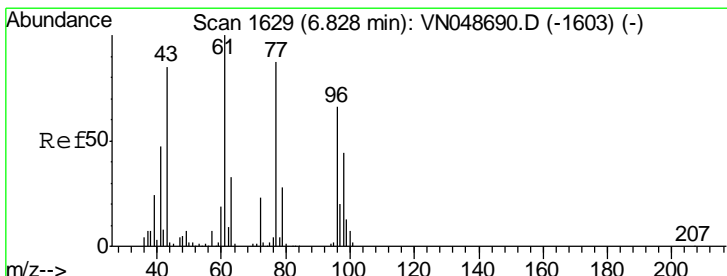
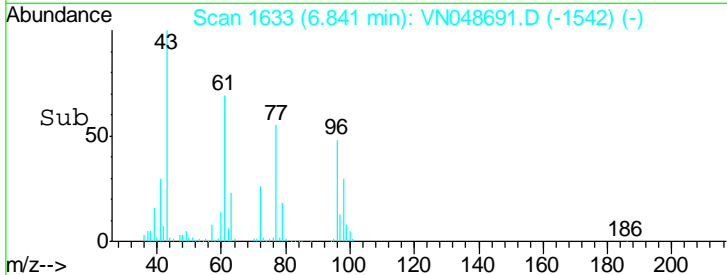
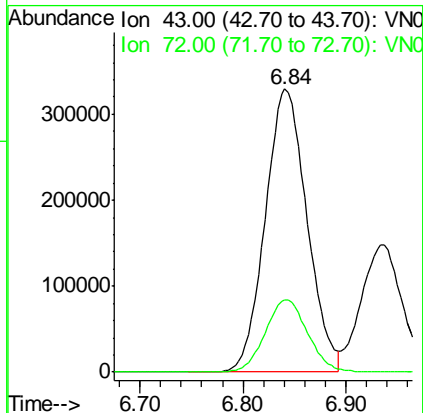
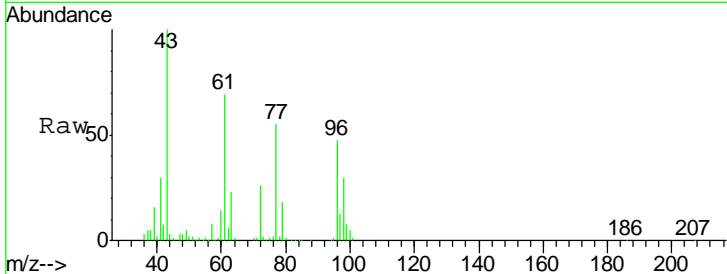
#25
 2-Butanone
 Concen: 299.86 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.5	20.8	31.2

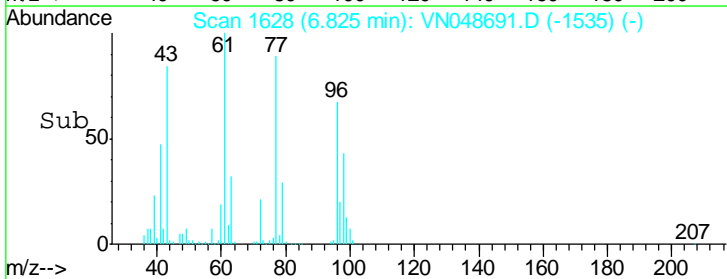
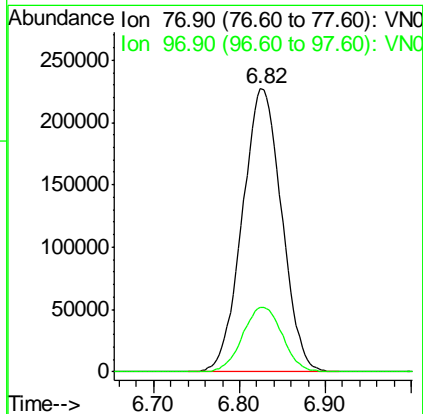
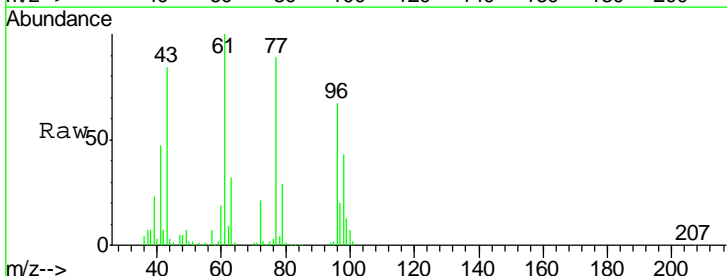
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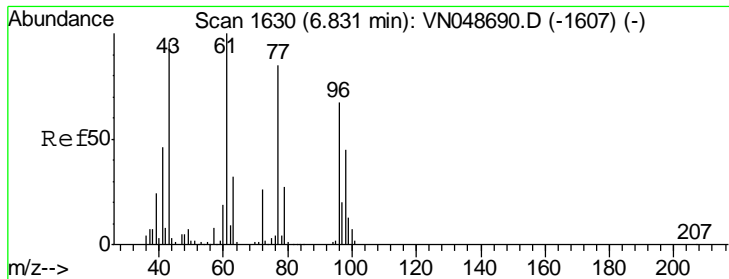
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#26
 2,2-Dichloropropane
 Concen: 87.14 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.2	11.9	35.5





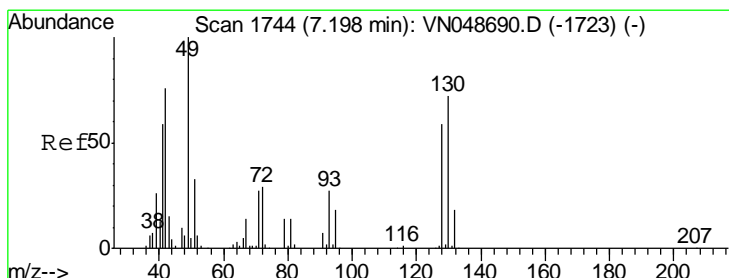
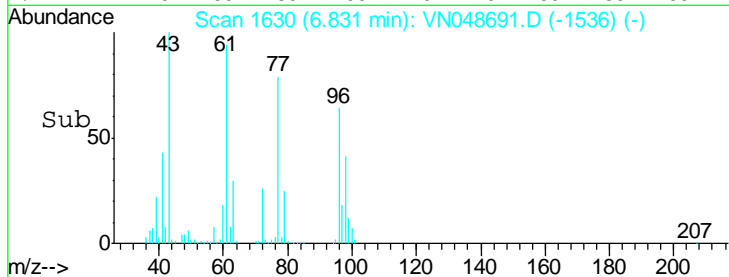
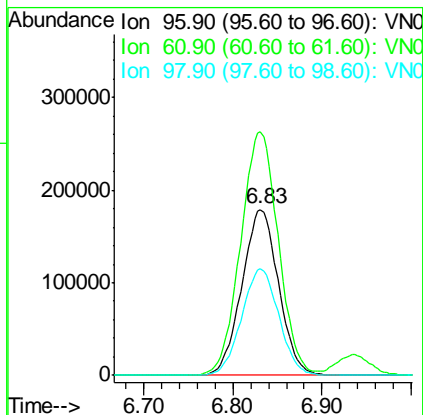
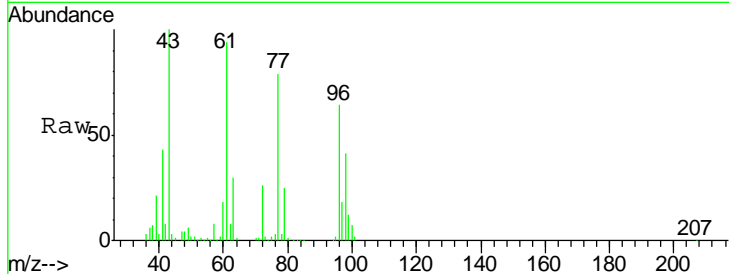
#27
 cis-1,2-Dichloroethene
 Concen: 87.03 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 ClientSampled : VSTDICC100

Tgt Ion	Resp	Lower	Upper
96	513558		
96	100		
61	150.4	0.0	292.6
98	65.0	0.0	128.2

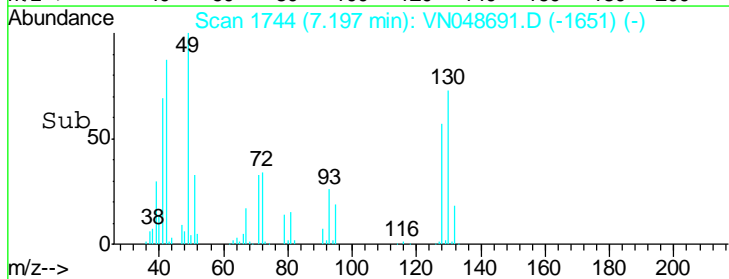
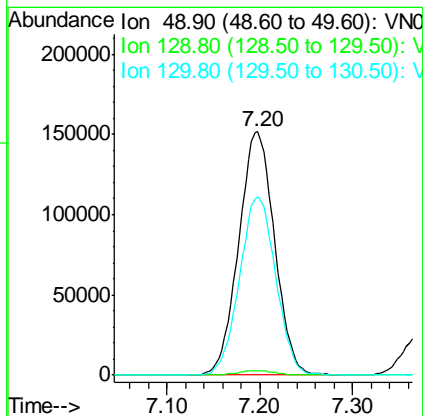
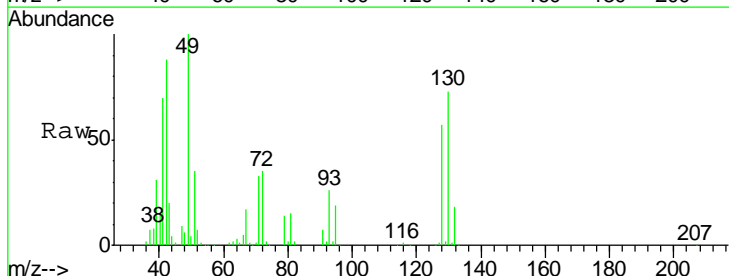
Manual Integrations
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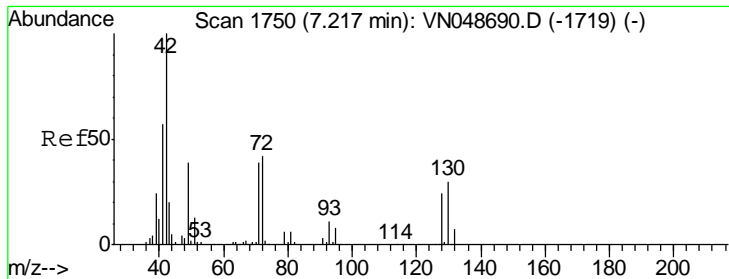
MMDadoda
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#28
 Bromochloromethane
 Concen: 110.78 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
49	406974		
49	100		
129	1.9	0.0	3.8
130	74.1	64.2	96.2





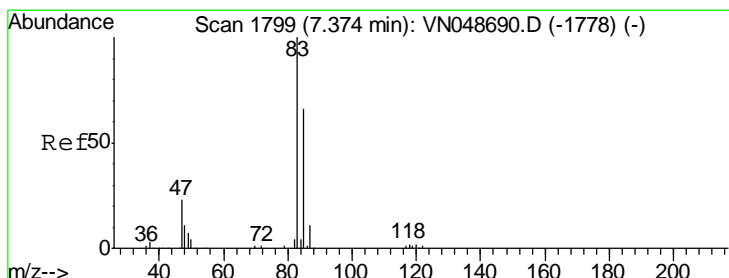
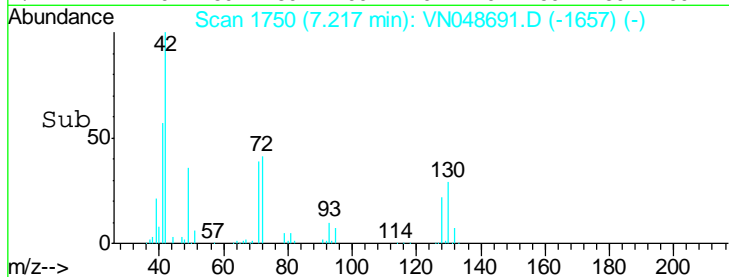
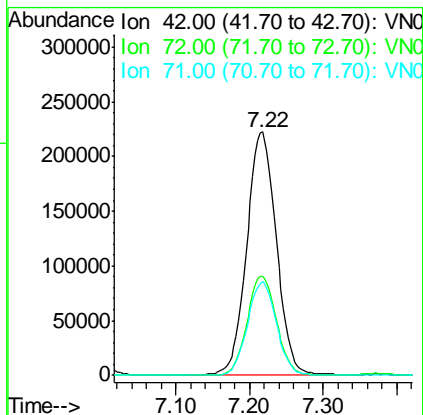
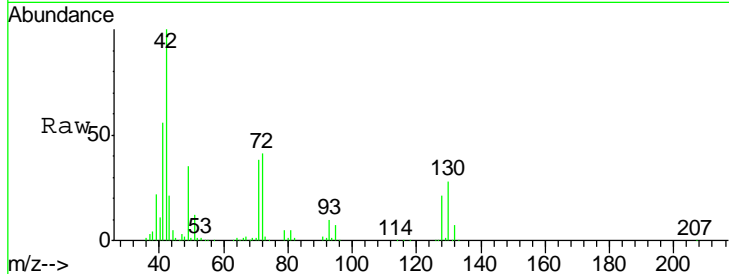
#29
 Tetrahydrofuran
 Concen: 316.18 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
42	100		
72	40.5	34.2	51.4
71	37.8	31.8	47.8

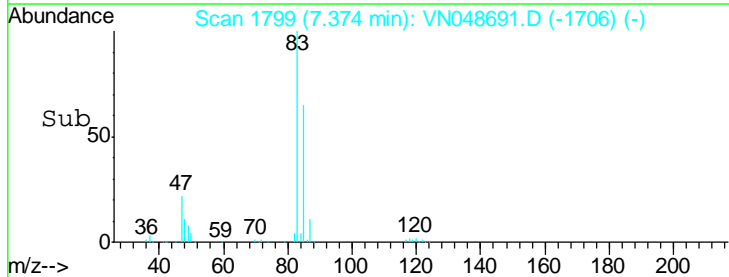
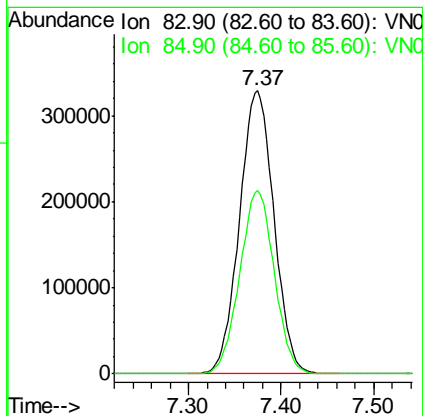
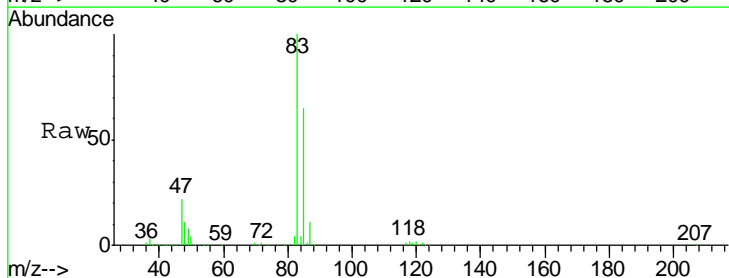
Manual Integrations
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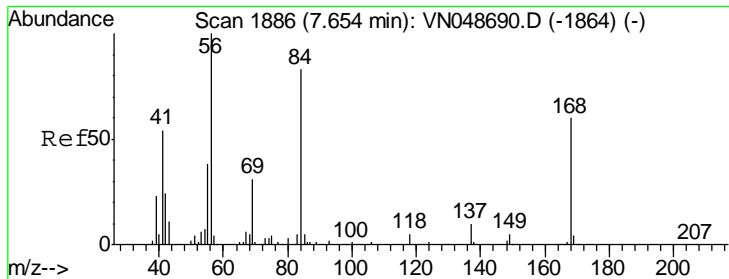
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#30
 Chloroform
 Concen: 85.71 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.8	51.1	76.7





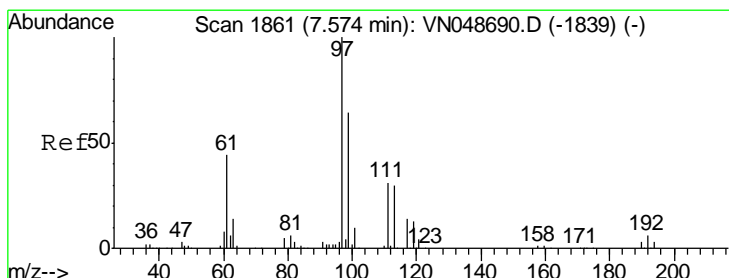
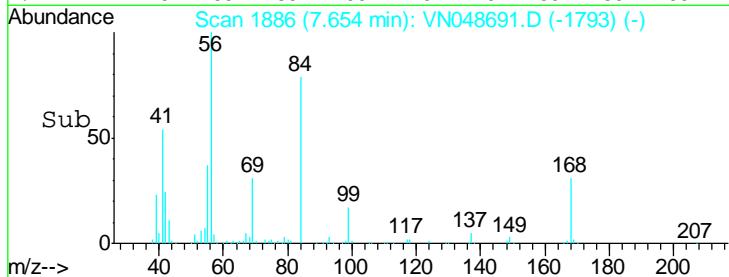
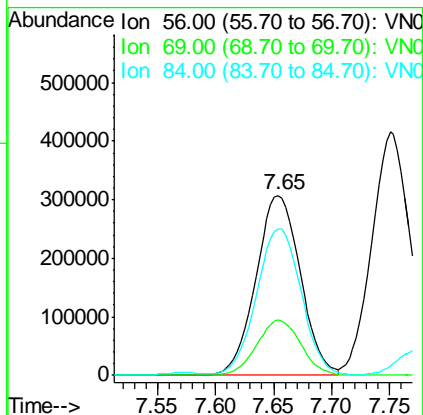
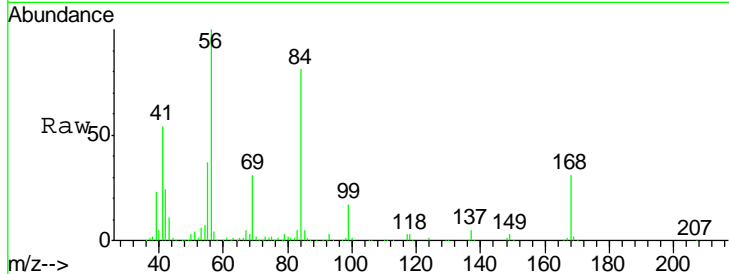
#31
 Cyclohexane
 Concen: 79.18 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	100		
69	30.8	25.6	38.4
84	80.1	67.5	101.3

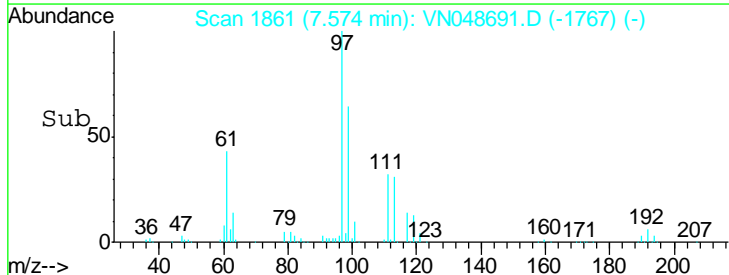
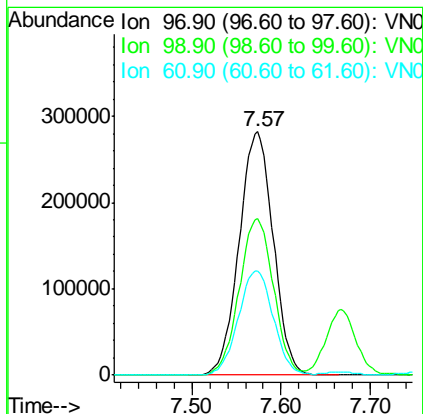
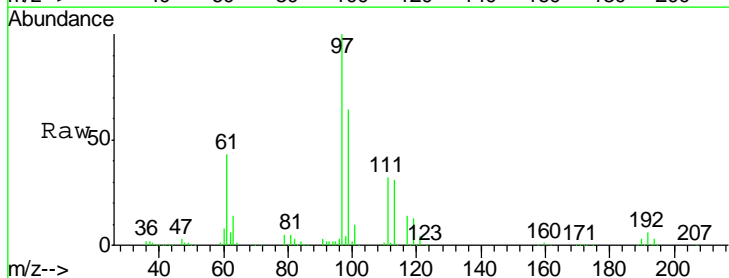
Manual Integrations
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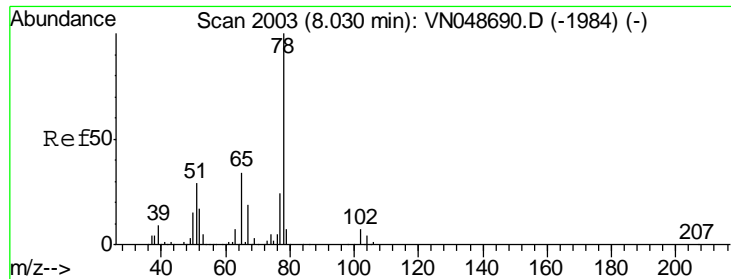
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 86.64 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	43.9	34.2	51.2





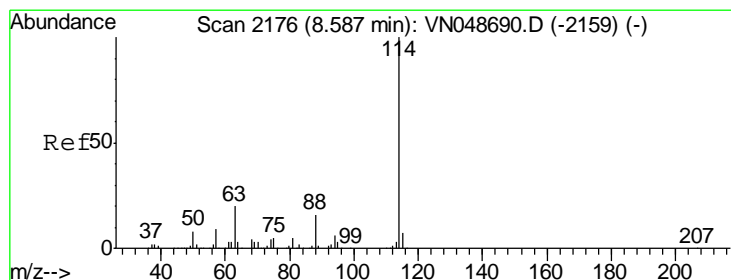
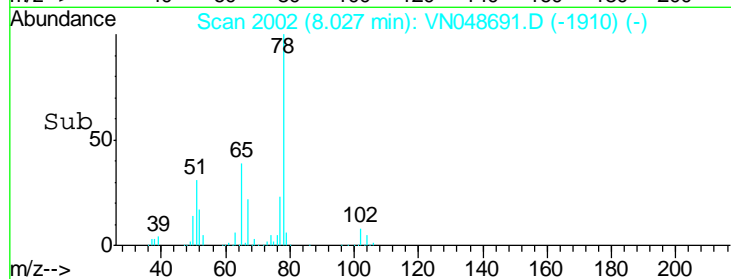
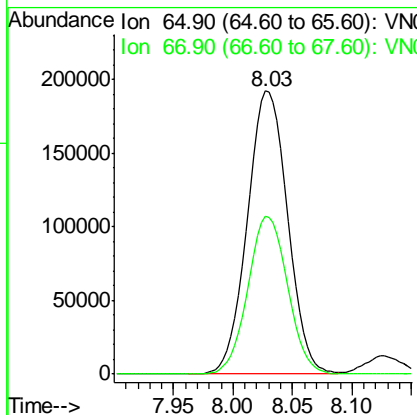
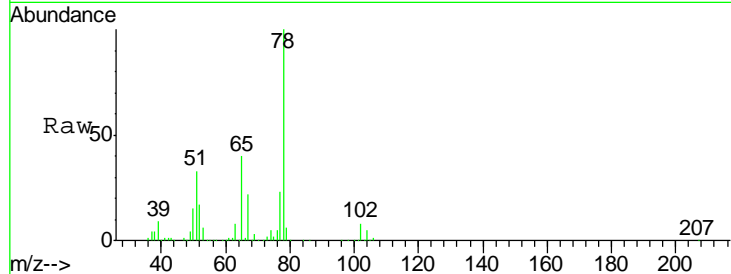
#33
 1,2-Dichloroethane-d4
 Concen: 70.79 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.9	0.0	108.4

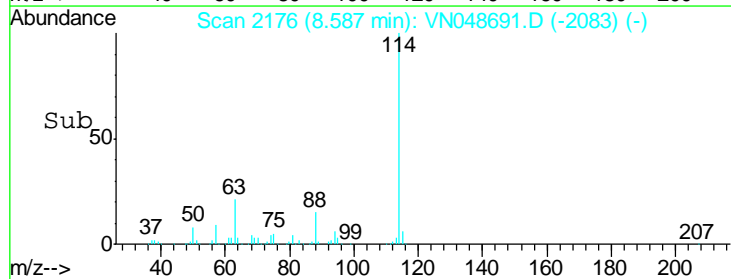
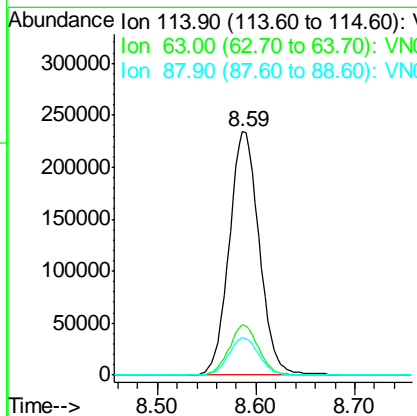
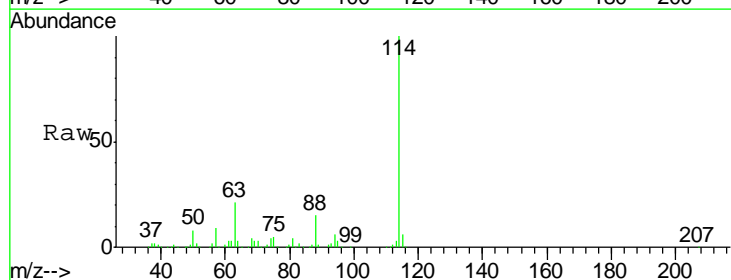
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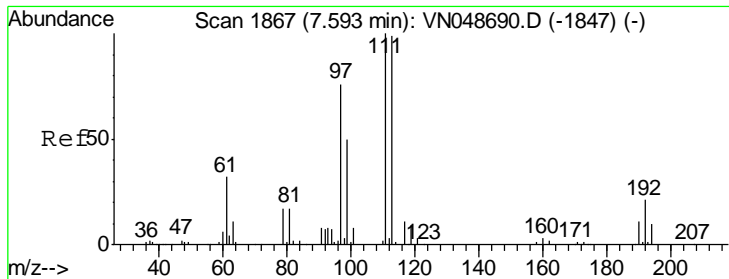
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

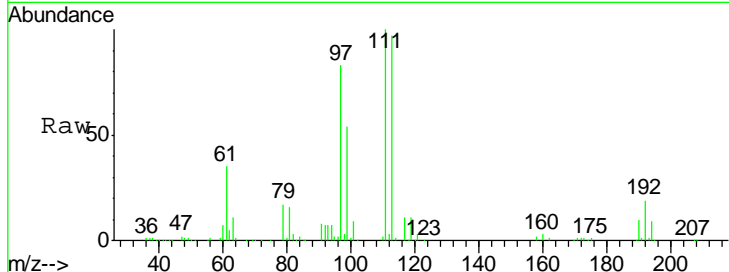
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.7	0.0	40.0
88	15.4	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 78.70 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

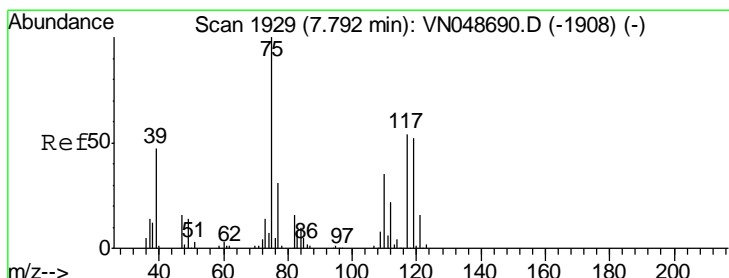
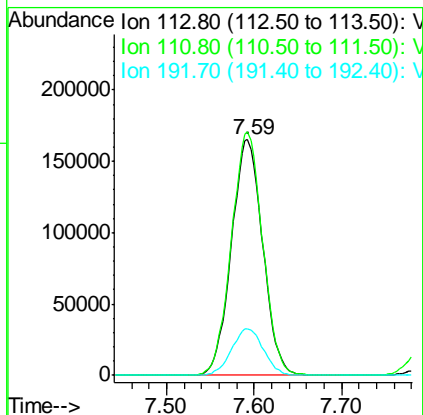
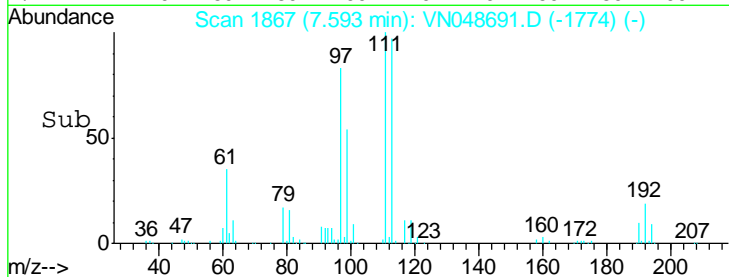


Tgt Ion: 113 Resp: 410371

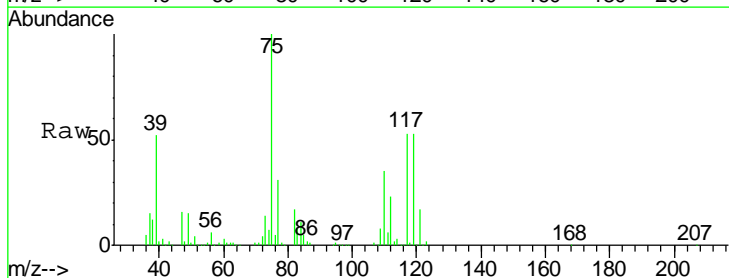
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.7	122.5
192	20.2	17.6	26.4

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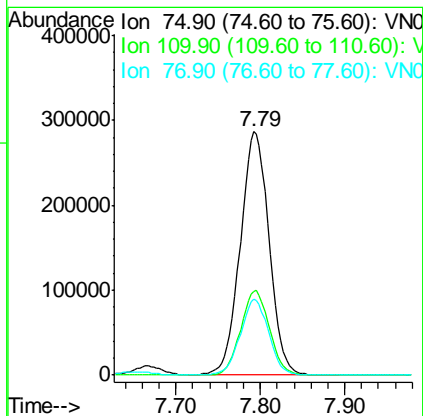
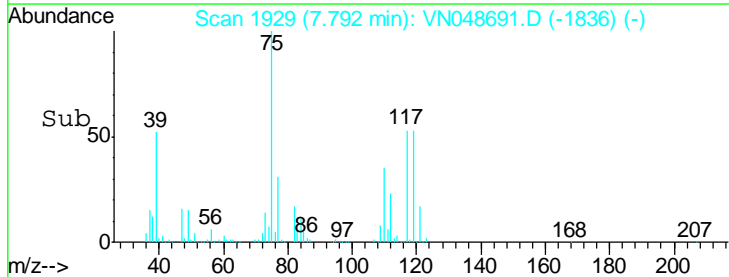


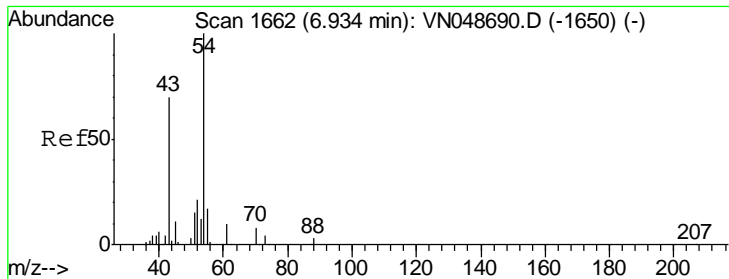
#36
 1,1-Dichloropropene
 Concen: 93.17 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31



Tgt Ion: 75 Resp: 680177

Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.4	55.0
77	31.0	25.0	37.4





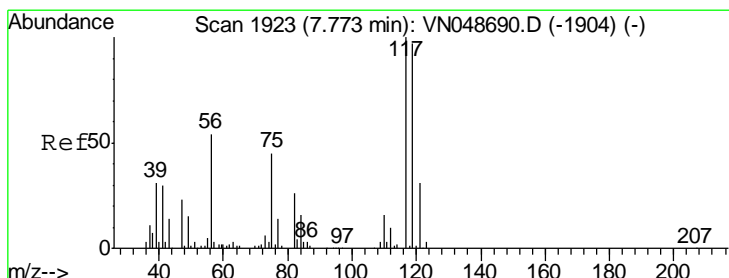
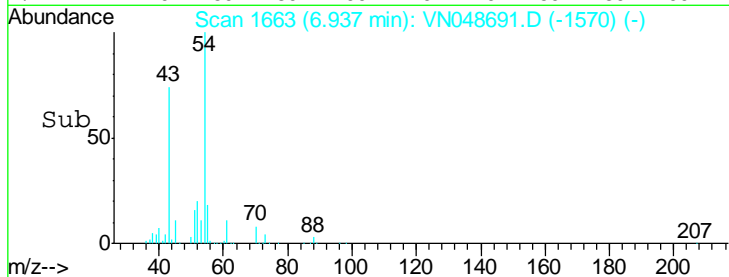
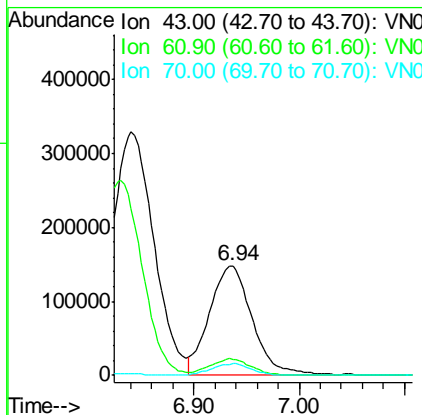
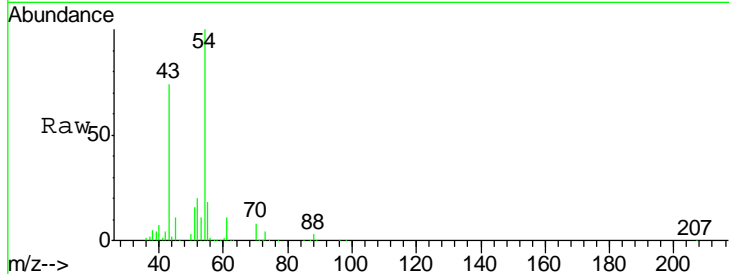
#37
 Ethyl Acetate
 Concen: 67.29 ug/l
 RT: 6.94 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.9	11.4	17.2
70	10.2	8.6	12.8

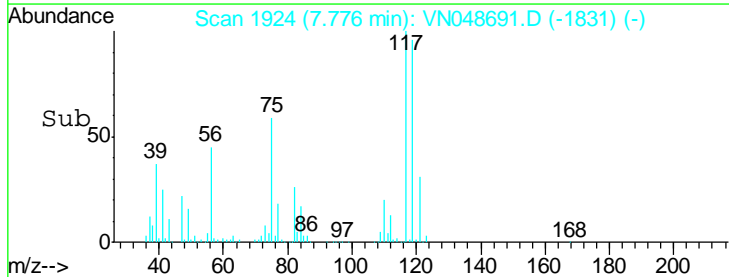
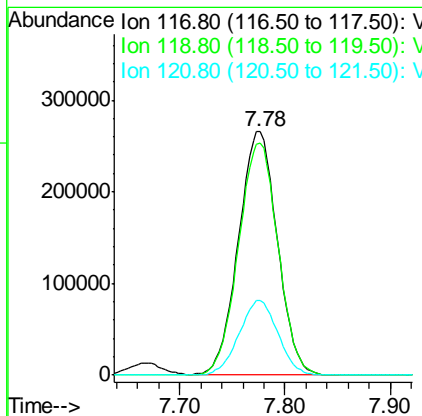
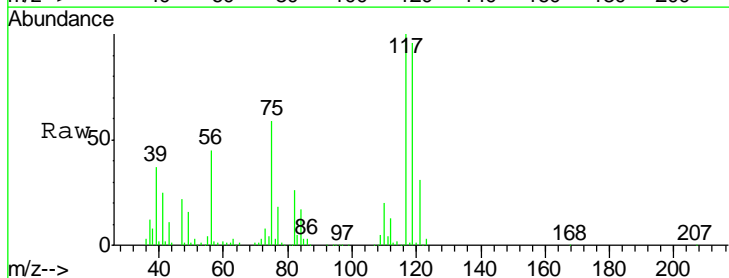
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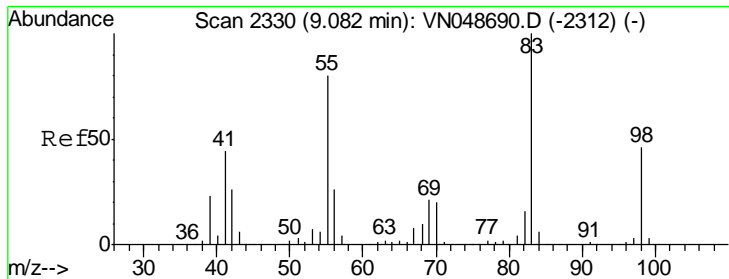
MMDadoda
 5/31/2018 11:12:37 AM



#38
 Carbon Tetrachloride
 Concen: 90.18 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.6	78.0	117.0
121	30.6	24.5	36.7





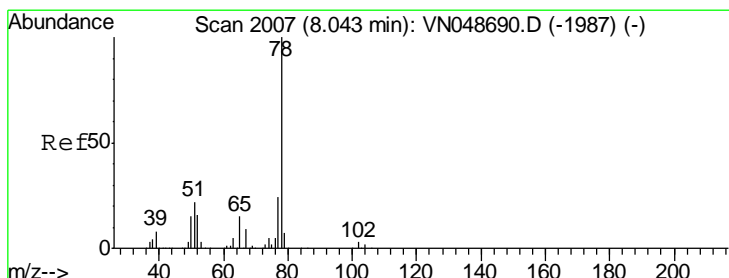
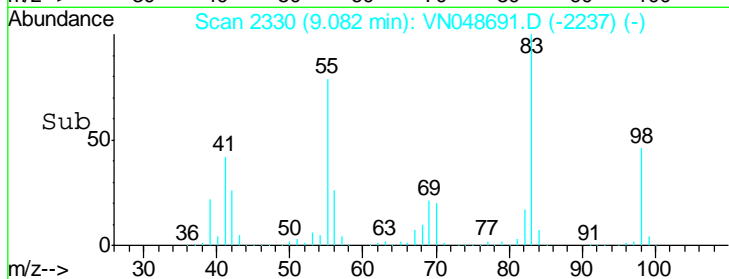
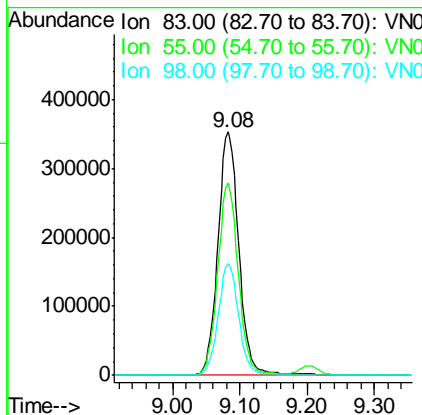
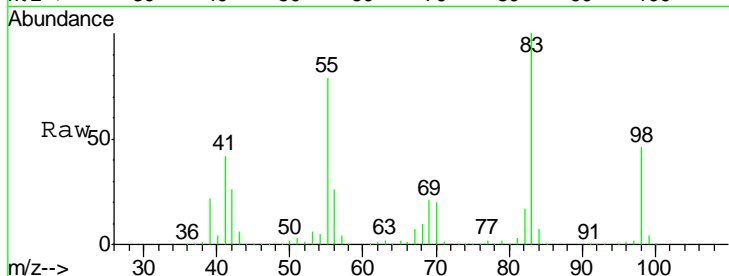
#39
 Methylcyclohexane
 Concen: 95.20 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	769502		
83	100		
55	79.0	61.7	92.5
98	46.1	36.8	55.2

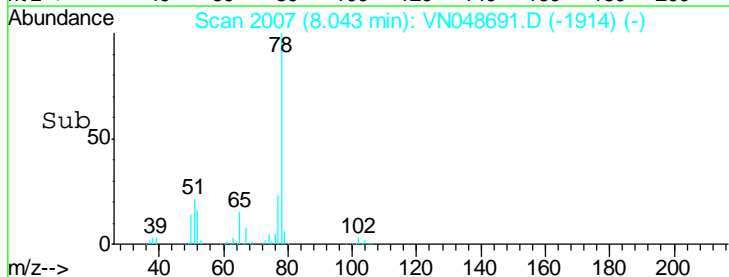
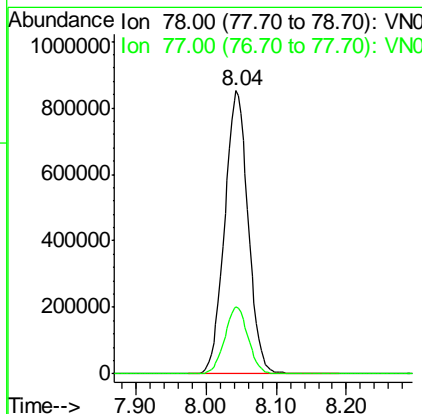
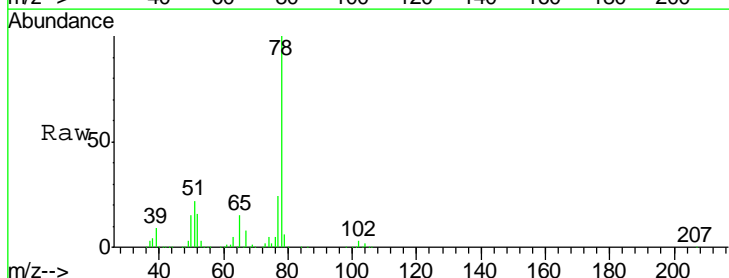
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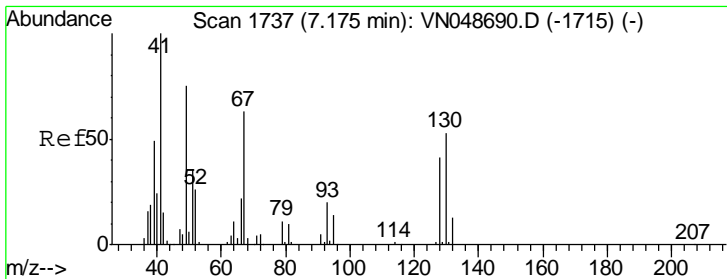
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#40
 Benzene
 Concen: 90.78 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
78	1983840		
78	100		
77	23.7	18.7	28.1





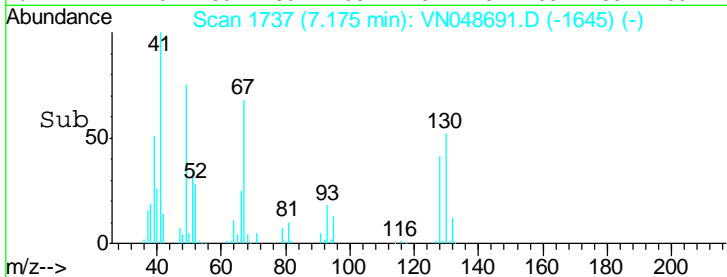
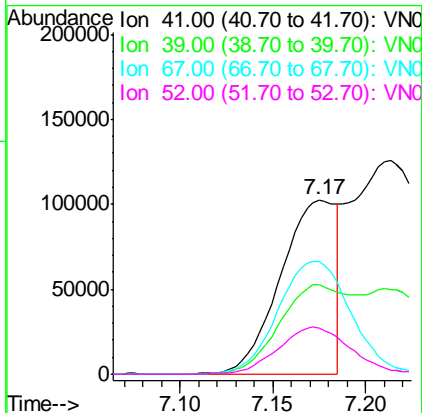
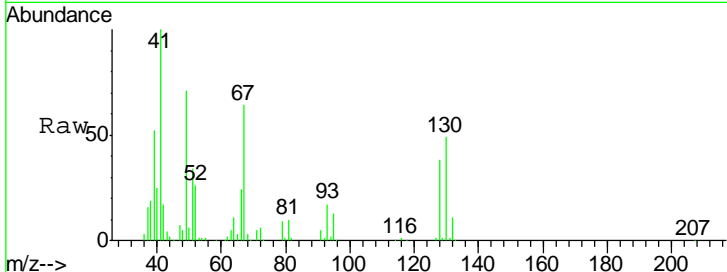
#41
 Methacrylonitrile
 Concen: 66.83 ug/l
 RT: 7.17 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
41	100		
39	68.1	47.4	71.2
67	85.0	62.4	93.6
52	34.4	25.6	38.4

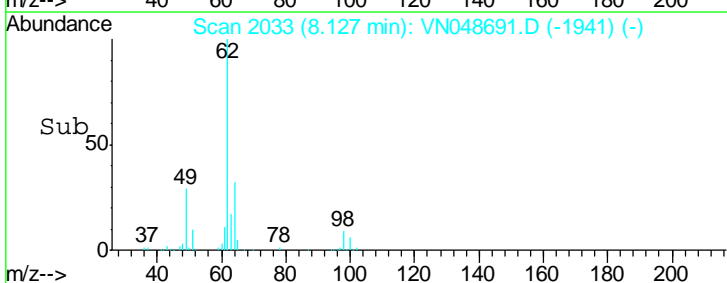
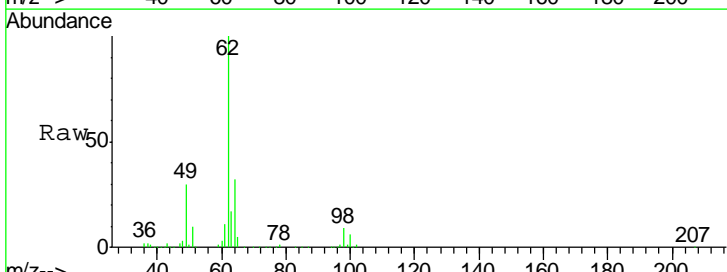
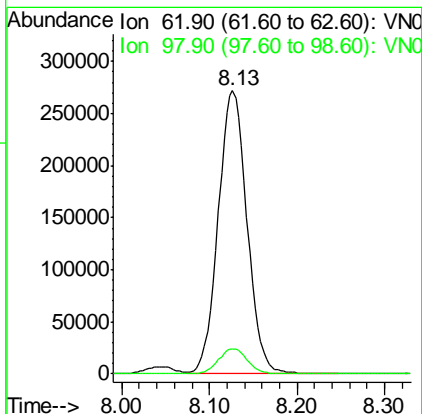
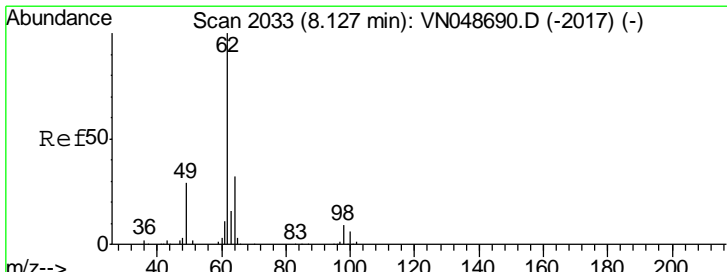
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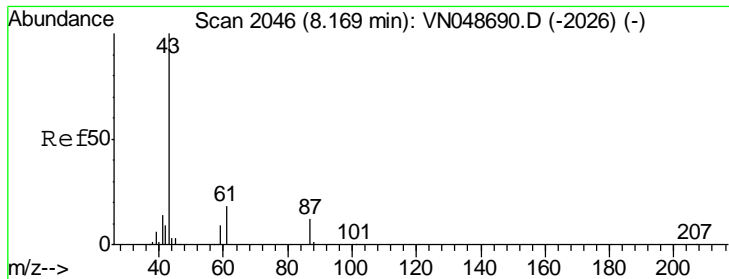
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#42
 1,2-Dichloroethane
 Concen: 86.87 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.0	0.0	18.2





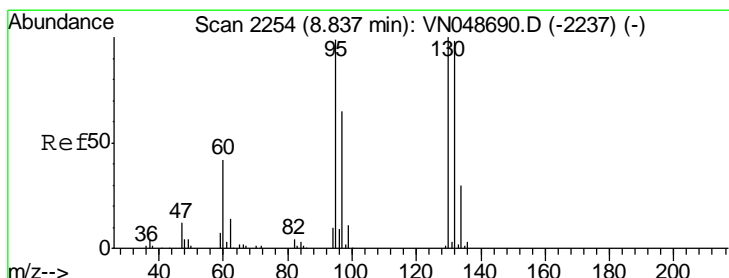
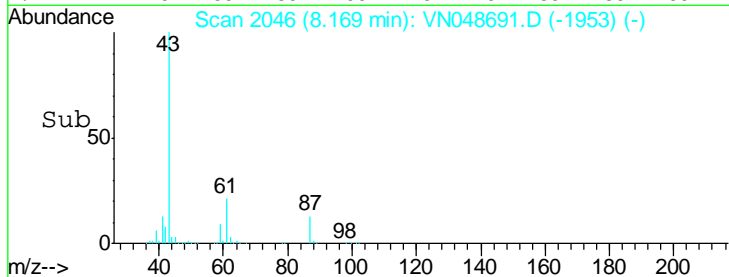
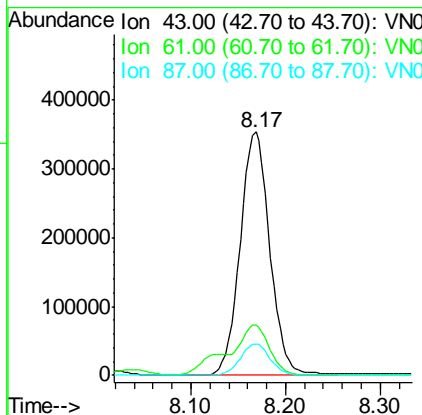
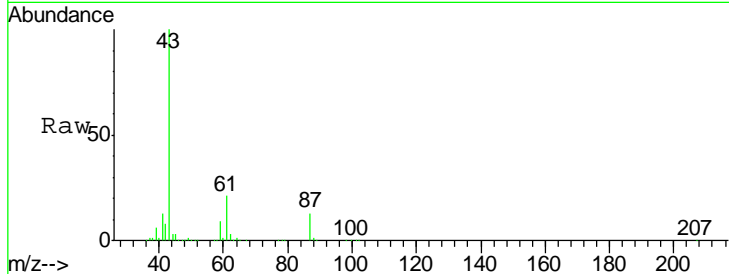
#43
 Isopropyl Acetate
 Concen: 72.90 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.3	22.2	33.2#
87	13.0	10.6	15.8

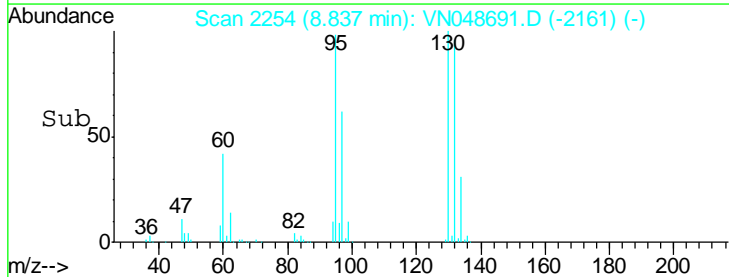
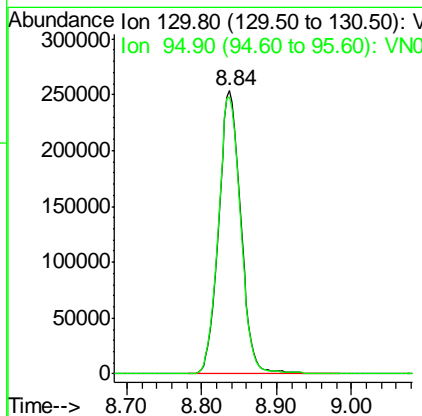
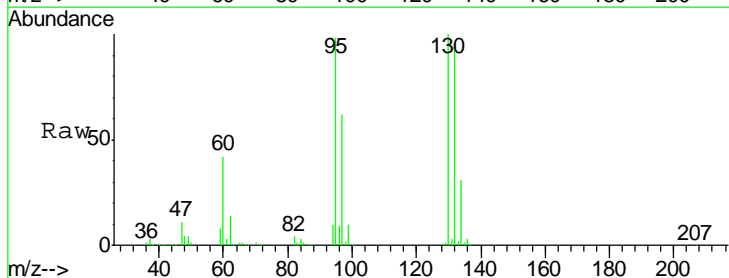
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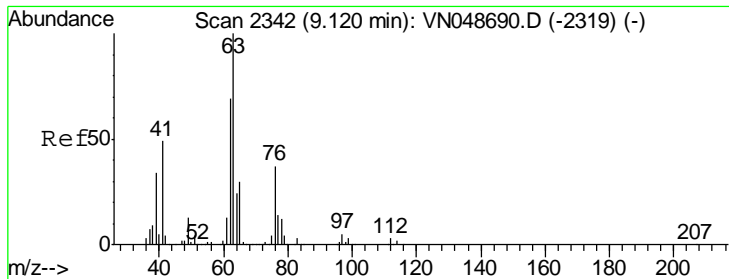
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#44
 Trichloroethene
 Concen: 94.33 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
130	100		
95	98.0	0.0	191.6





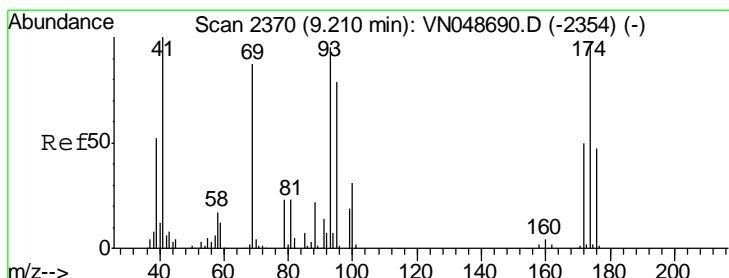
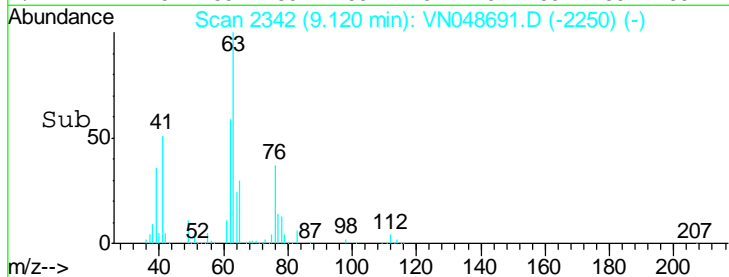
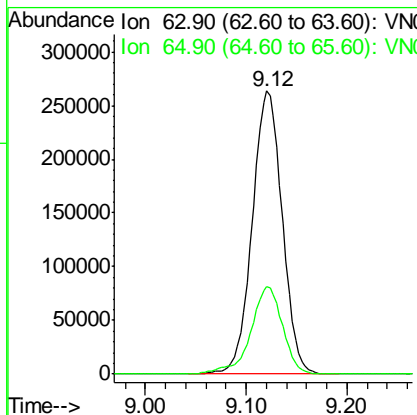
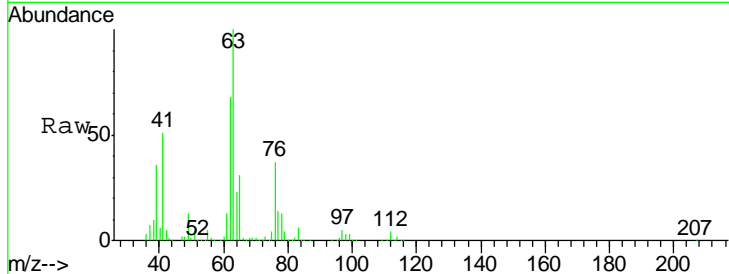
#45
 1,2-Dichloropropane
 Concen: 91.22 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.9	23.9	35.9

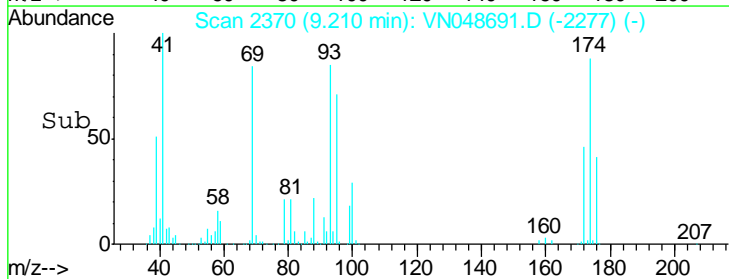
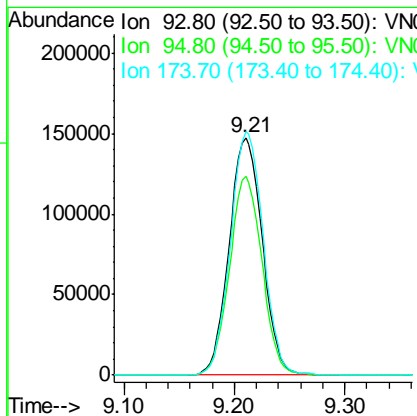
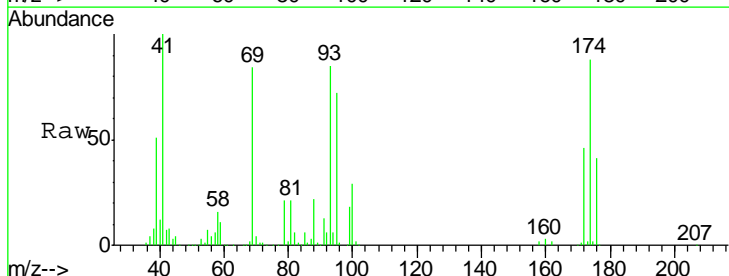
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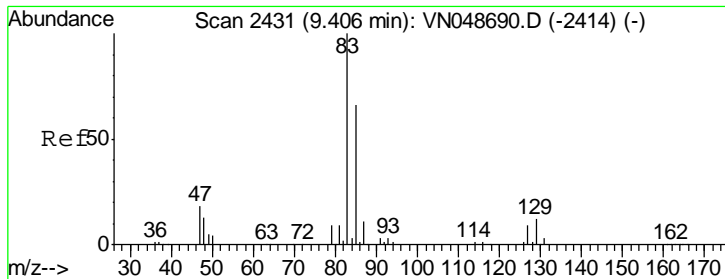
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#46
 Dibromomethane
 Concen: 84.44 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
93	100		
95	82.0	66.7	100.1
174	101.3	87.7	131.5





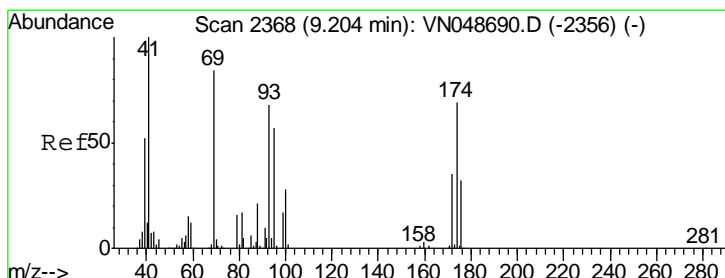
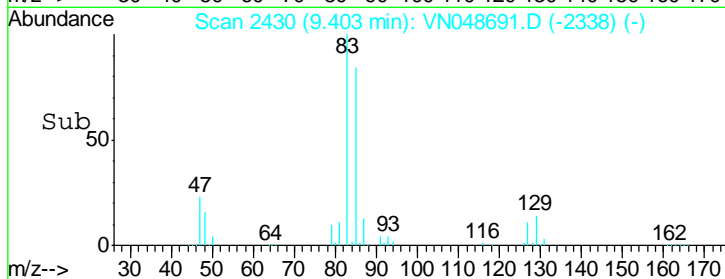
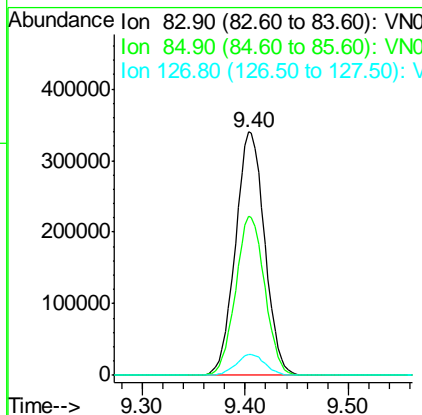
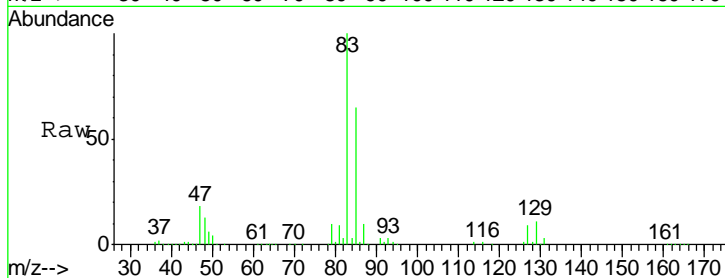
#47
 Bromodichloromethane
 Concen: 90.51 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	669924		
85	65.4	52.1	78.1
127	8.7	7.3	10.9

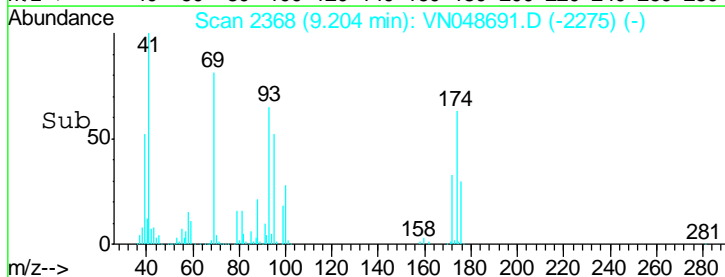
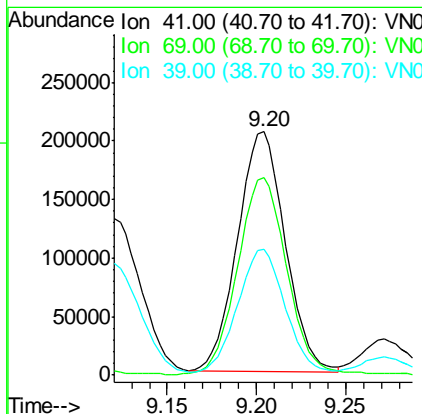
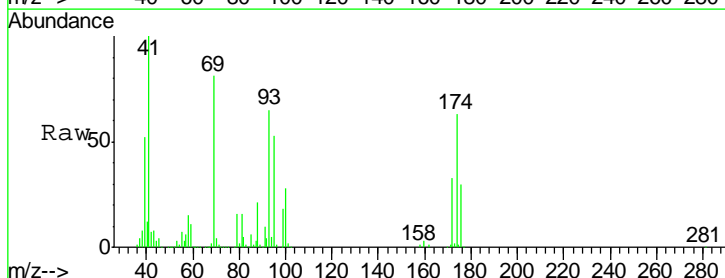
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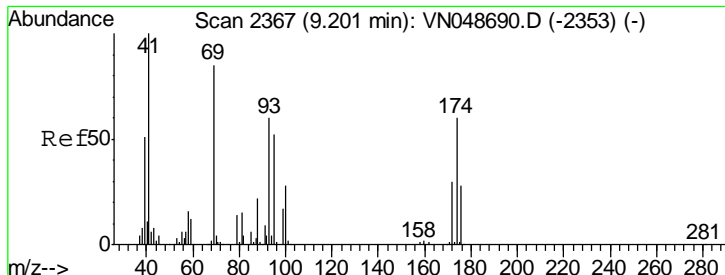
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#48
 Methyl methacrylate
 Concen: 74.69 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
41	382868		
69	85.0	68.6	103.0
39	53.0	42.3	63.5





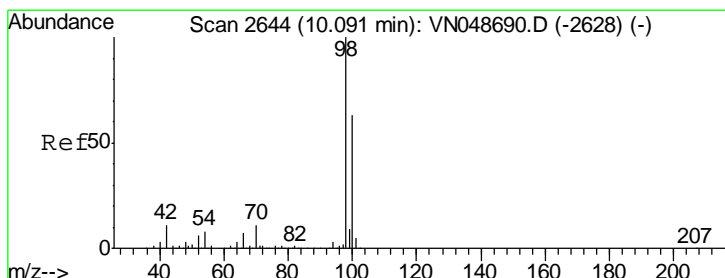
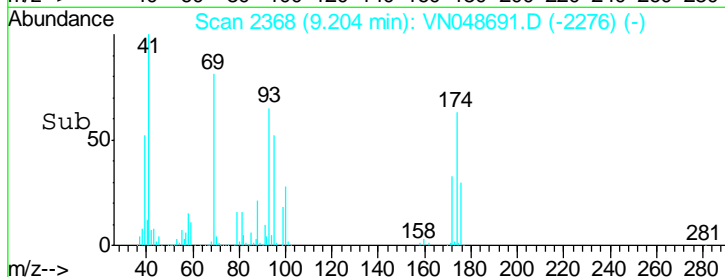
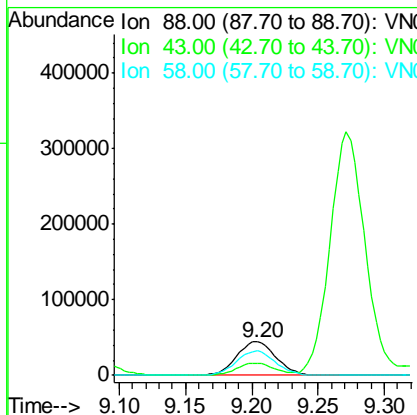
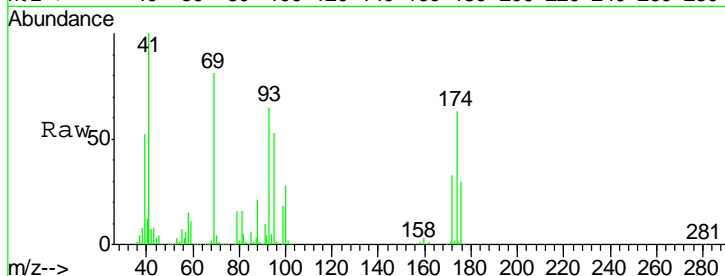
#49
 1,4-Dioxane
 Concen: 1359.55 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
88	92210		
88	100		
43	32.9	27.6	41.4
58	70.9	57.0	85.6

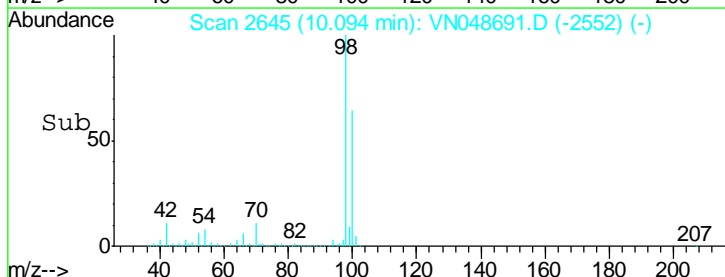
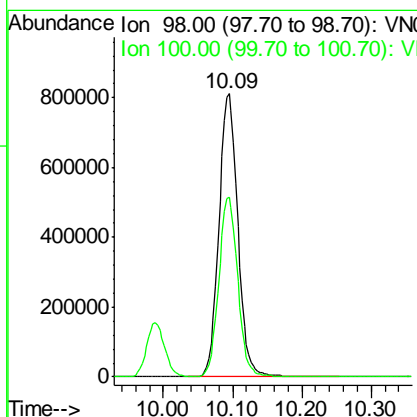
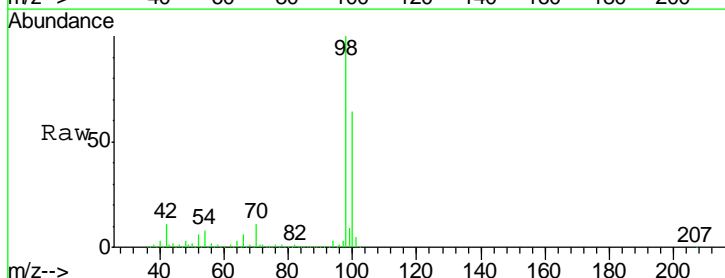
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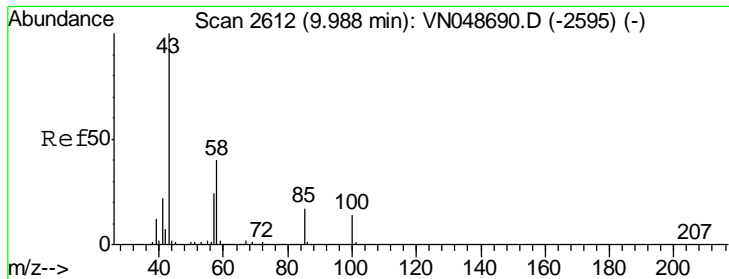
MMDadoda
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#50
 Toluene-d8
 Concen: 79.14 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
98	1534938		
98	100		
100	63.9	51.2	76.8





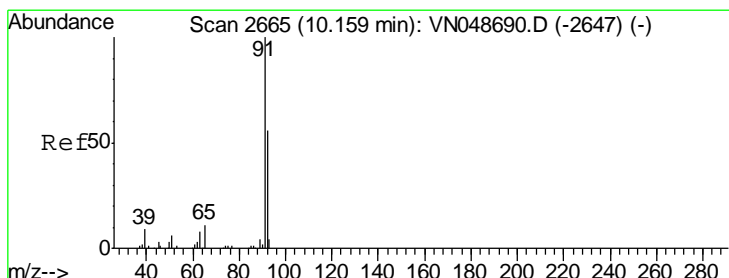
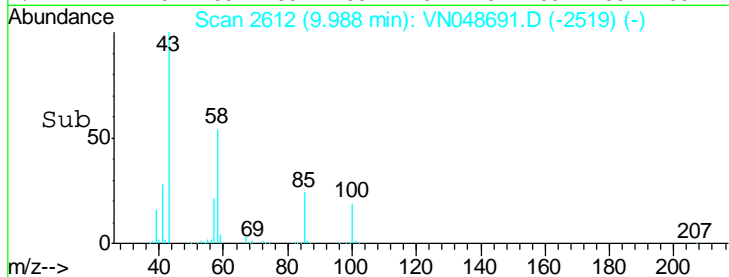
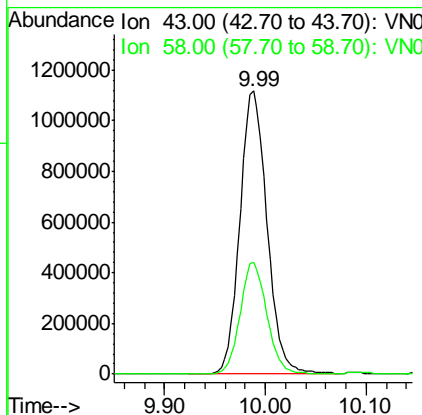
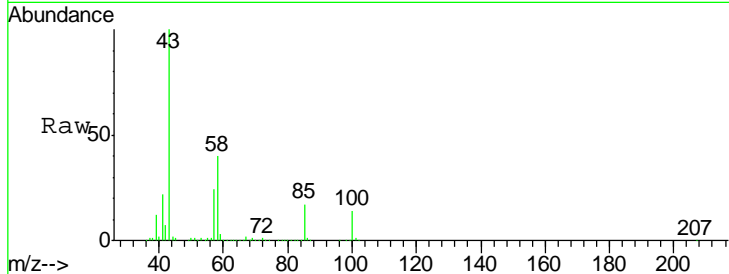
#51
 4-Methyl-2-Pentanone
 Concen: 341.95 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 ClientSampled : VSTDICC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.9	31.0	46.6

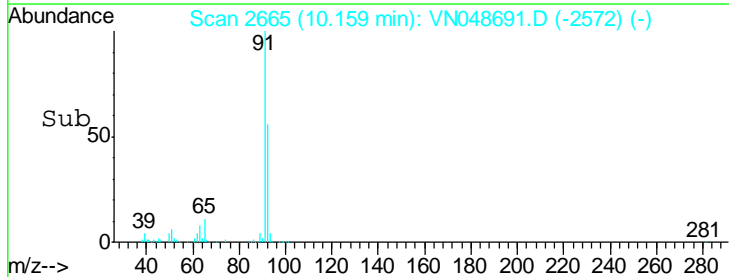
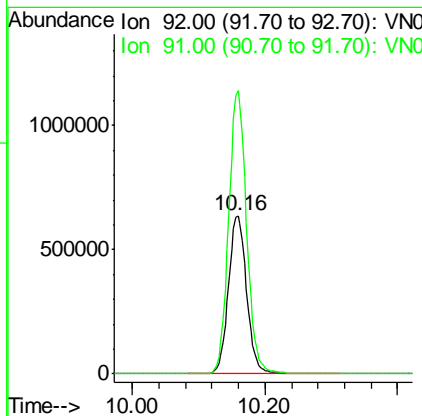
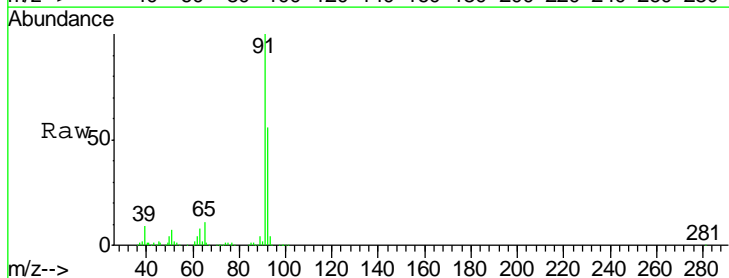
Manual Integrations
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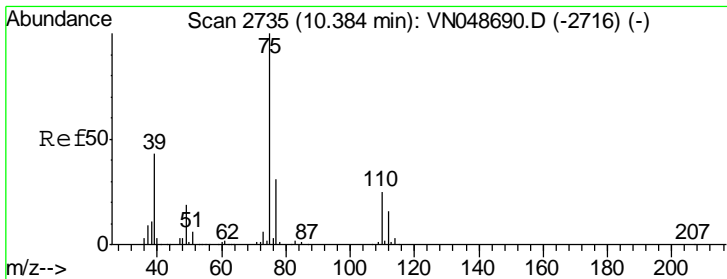
MMDadoda
 5/31/2018 11:12:37 AM



#52
 Toluene
 Concen: 93.78 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
92	100		
91	176.8	141.0	211.4





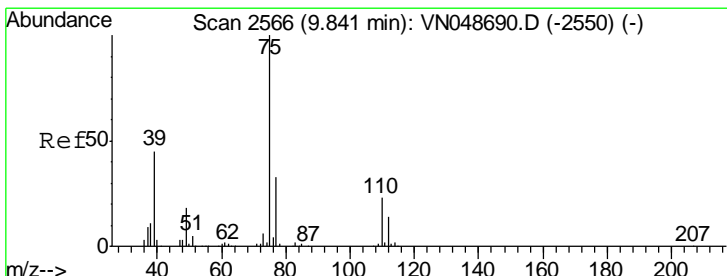
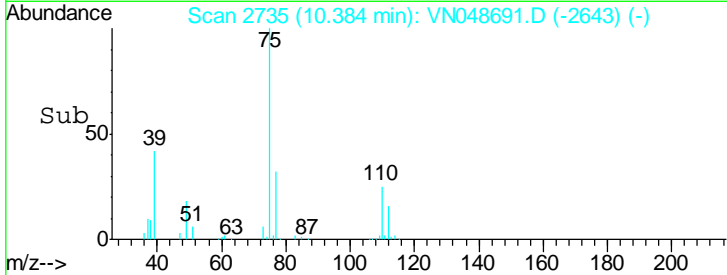
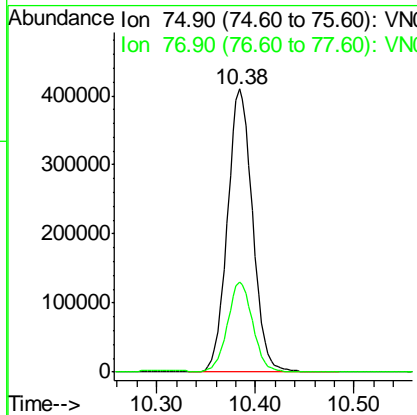
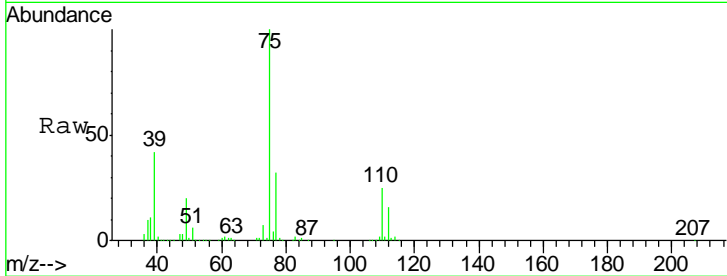
#53
 t-1,3-Dichloropropene
 Concen: 95.93 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion: 75 Resp: 730679

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

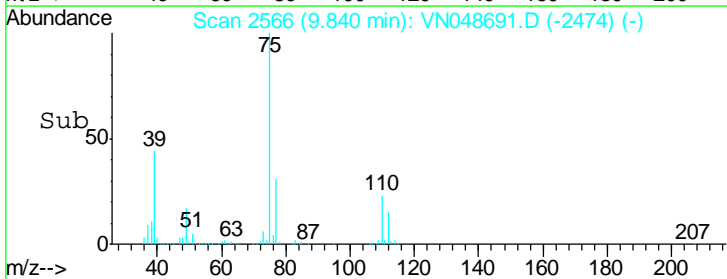
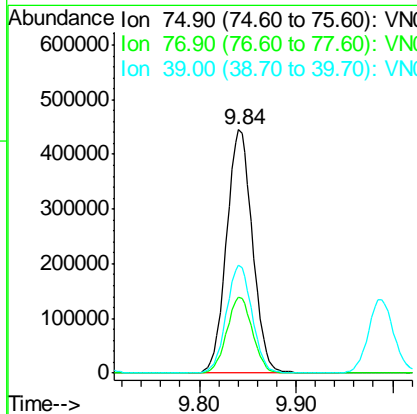
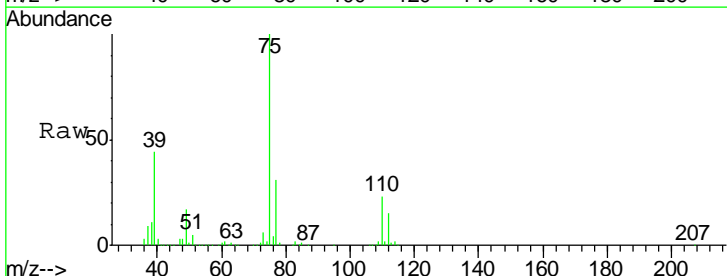
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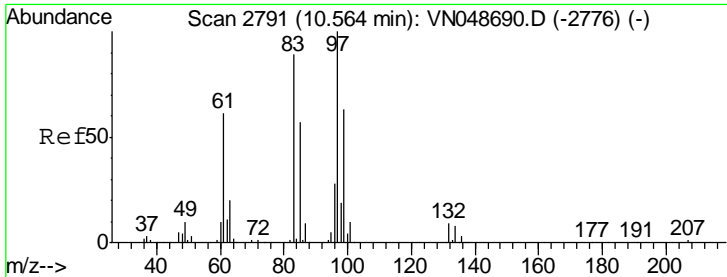


#54
 cis-1,3-Dichloropropene
 Concen: 97.13 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion: 75 Resp: 828804

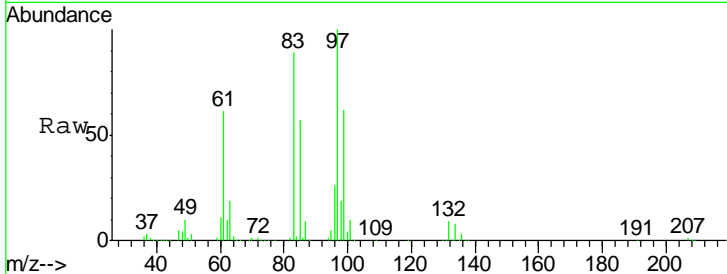
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	44.4	36.7	55.1





#55
 1,1,2-Trichloroethane
 Concen: 84.76 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

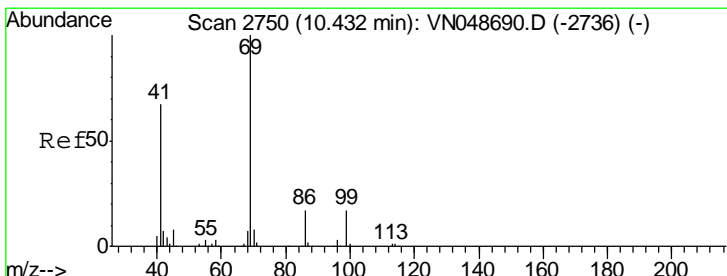
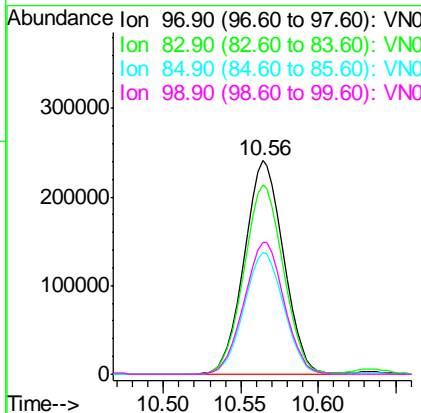
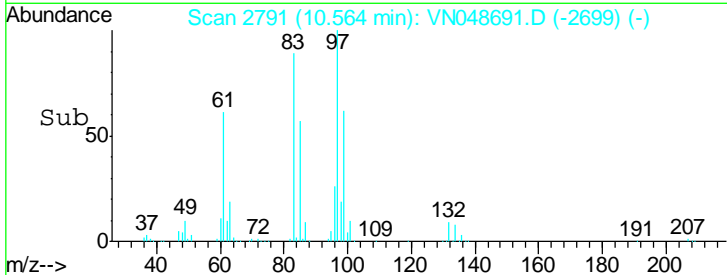
Instrument : MSVOA_N
 ClientSampled : VSTDICC100



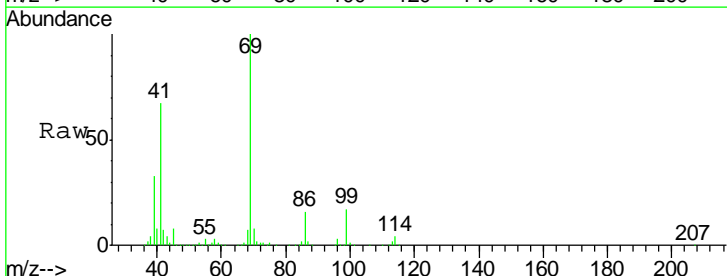
Tgt Ion: 97 Resp: 427234

Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.7	103.1
85	57.0	43.4	65.2
99	62.0	49.6	74.4

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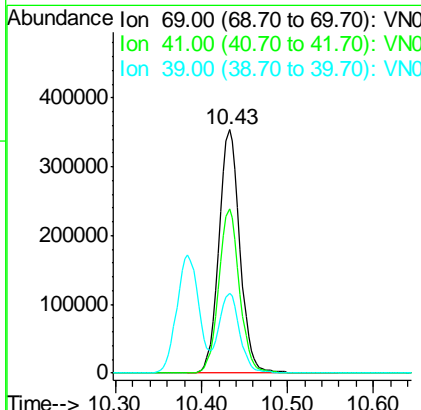
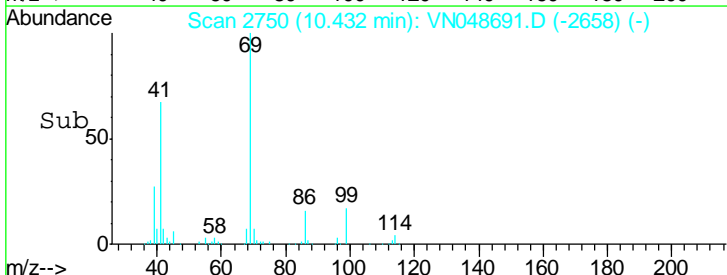


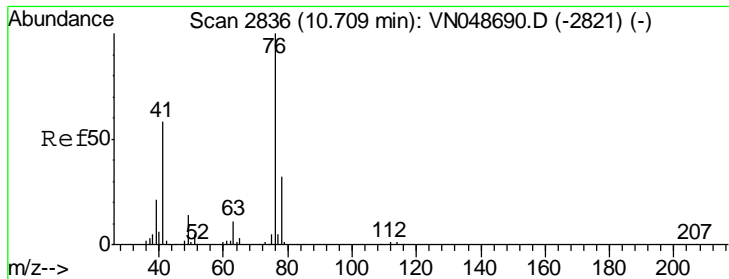
#56
 Ethyl methacrylate
 Concen: 85.23 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31



Tgt Ion: 69 Resp: 598803

Ion	Ratio	Lower	Upper
69	100		
41	66.2	52.3	78.5
39	32.6	26.4	39.6





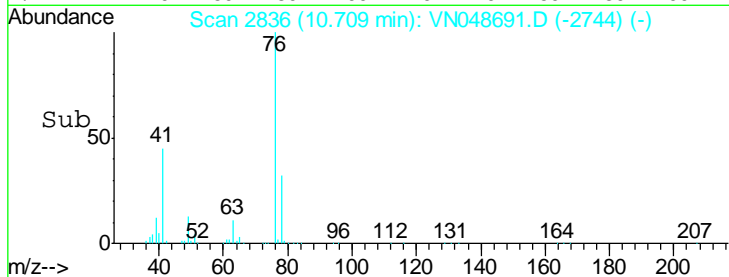
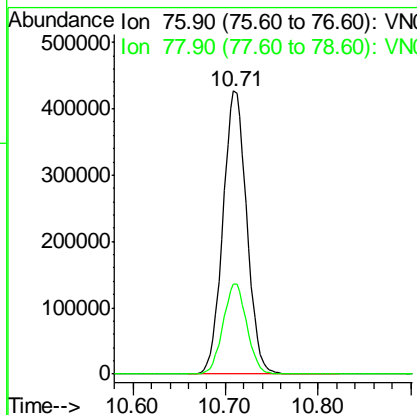
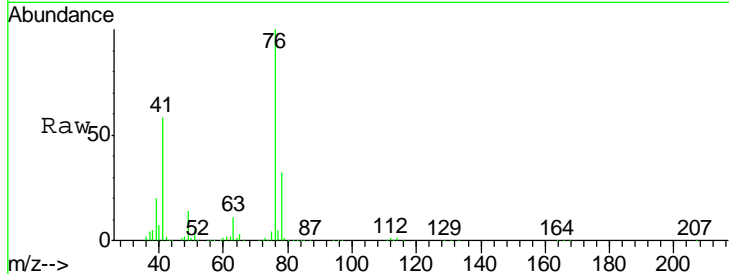
#57
 1,3-Dichloropropane
 Concen: 87.44 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	100		
78	32.1	25.7	38.5

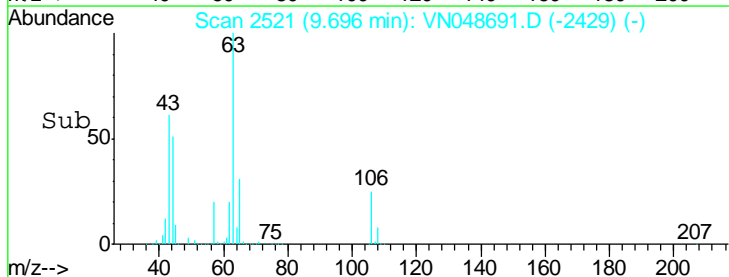
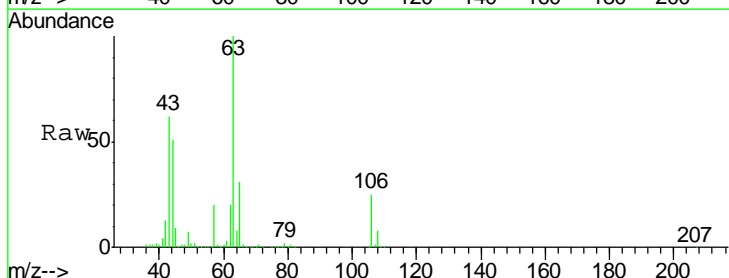
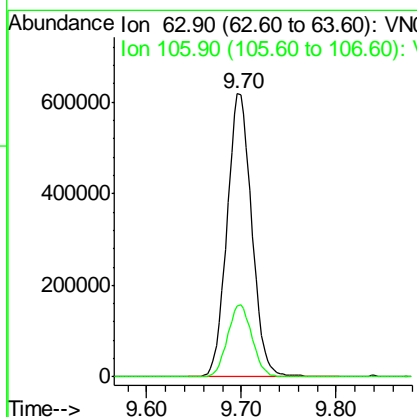
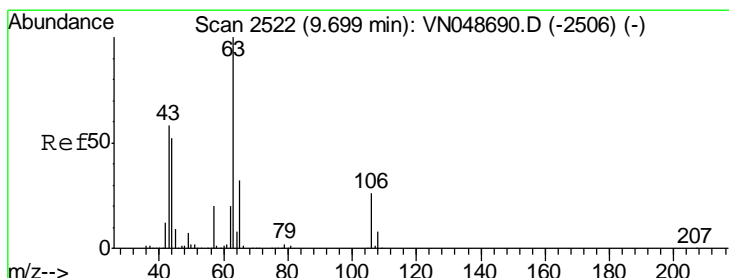
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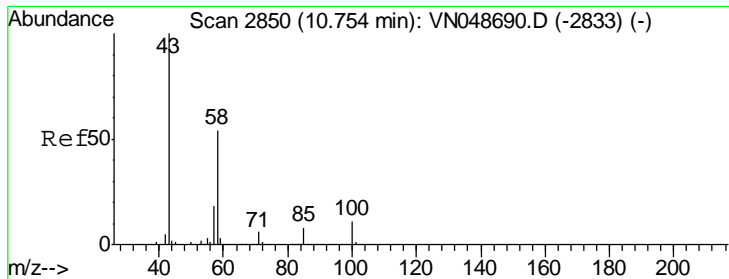
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 841.35 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
63	100		
106	25.1	21.3	31.9





#59
 2-Hexanone
 Concen: 331.79 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

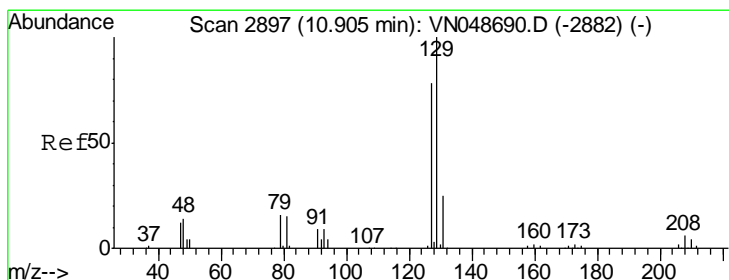
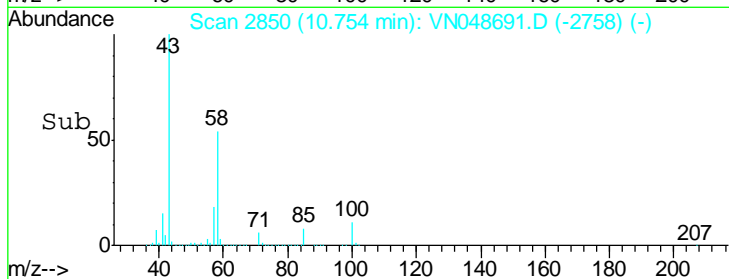
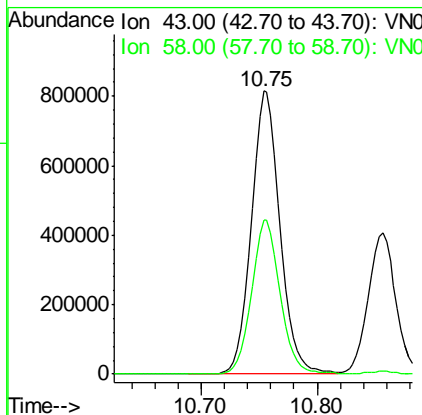
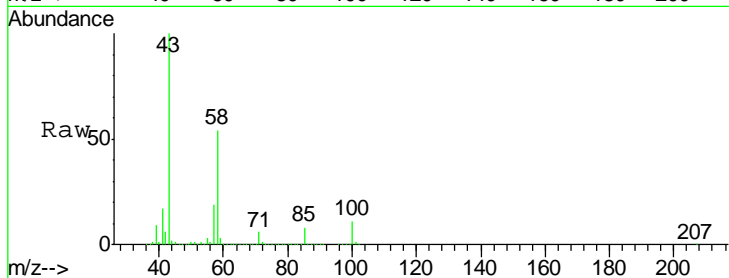
Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion: 43 Resp: 1402450

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.4	82.0

Manual Integrations
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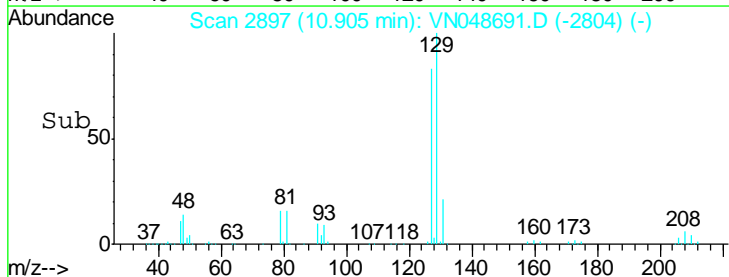
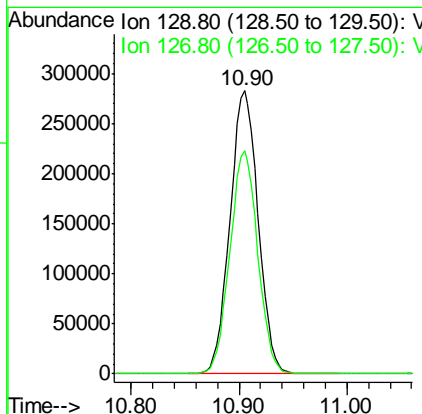
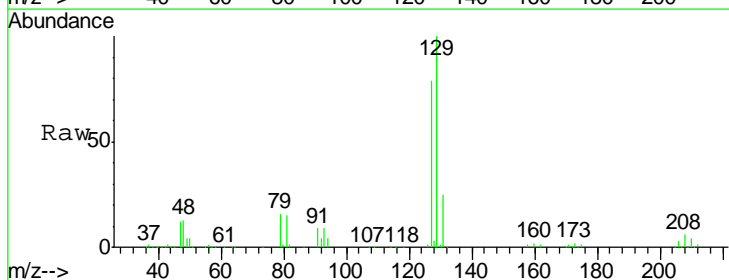
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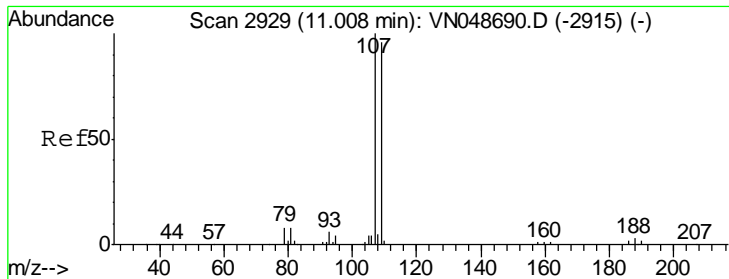


#60
 Dibromochloromethane
 Concen: 90.78 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion: 129 Resp: 516128

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.8	116.4





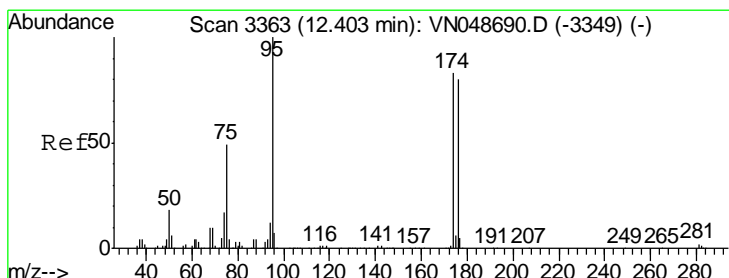
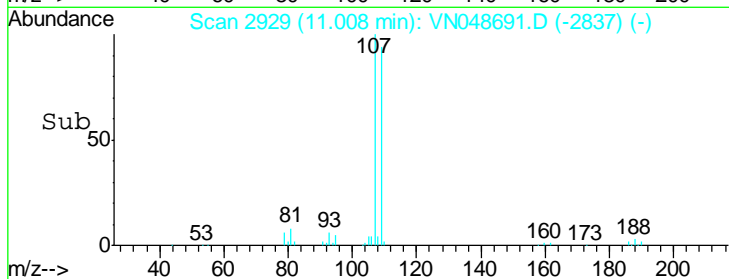
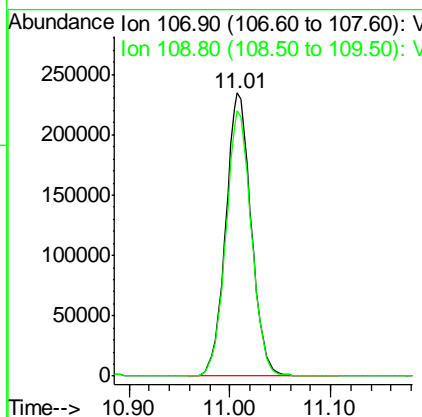
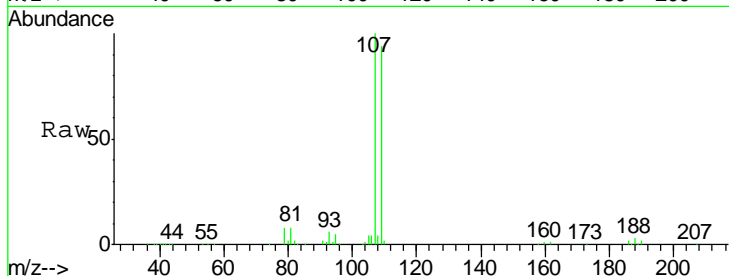
#61
 1,2-Dibromoethane
 Concen: 79.25 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.3	74.4	111.6

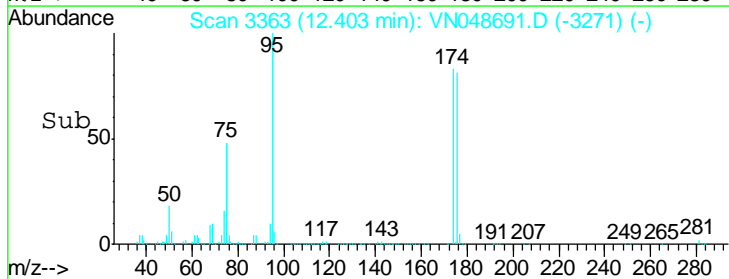
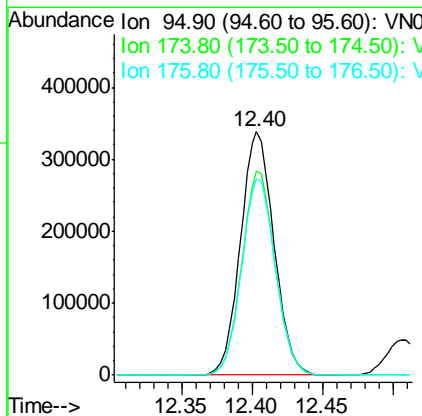
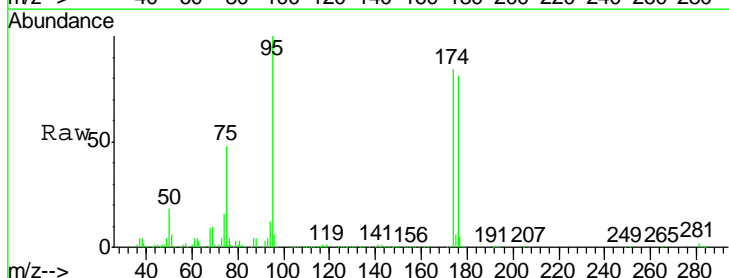
Manual Integrations
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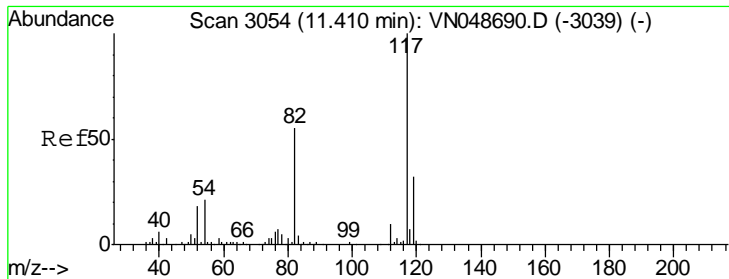
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#62
 4-Bromofluorobenzene
 Concen: 86.49 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
95	100		
174	83.3	0.0	173.8
176	81.7	0.0	170.0





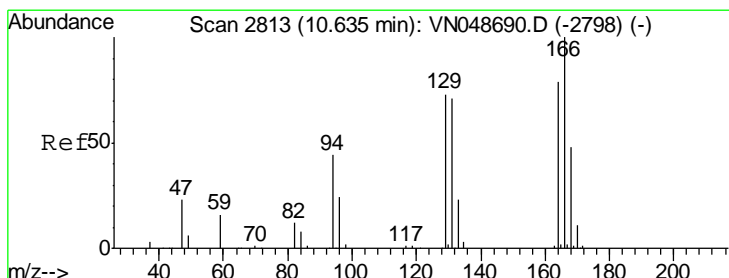
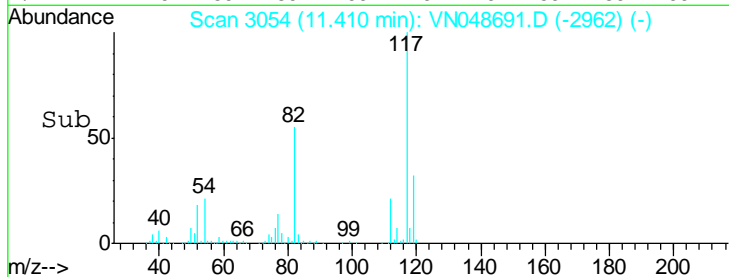
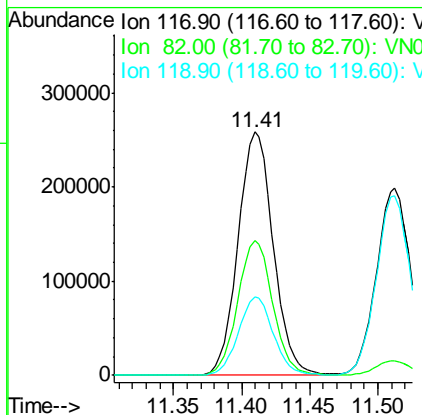
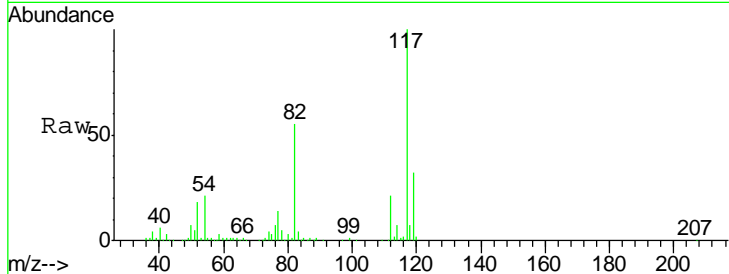
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
117	464005		
82	55.3	42.8	64.2
119	32.3	26.0	39.0

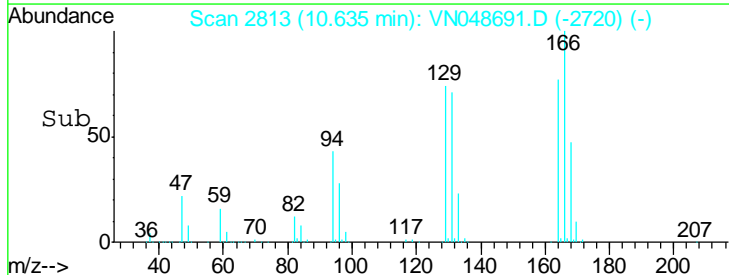
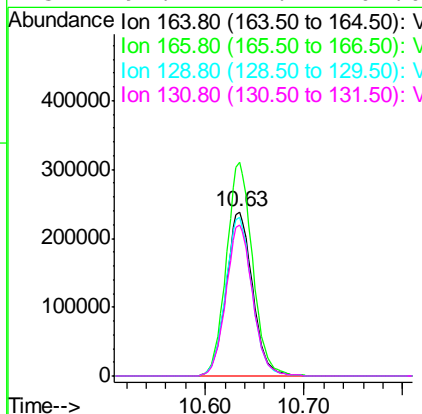
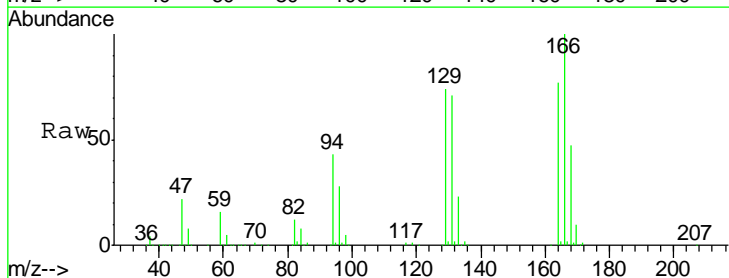
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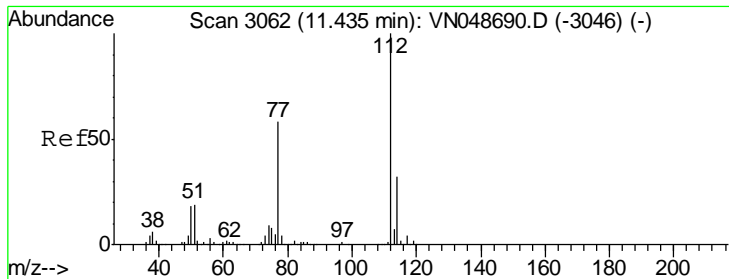
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#64
 Tetrachloroethene
 Concen: 87.72 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
164	446922		
166	130.3	102.7	154.1
129	96.5	74.3	111.5
131	92.4	71.4	107.0





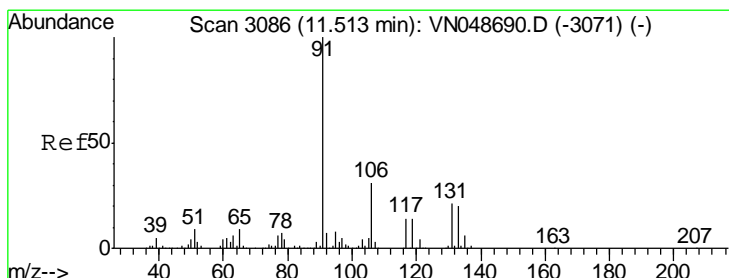
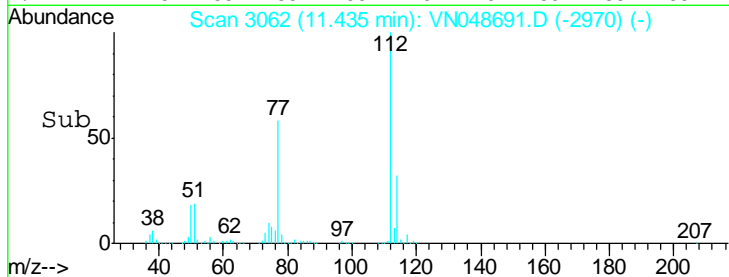
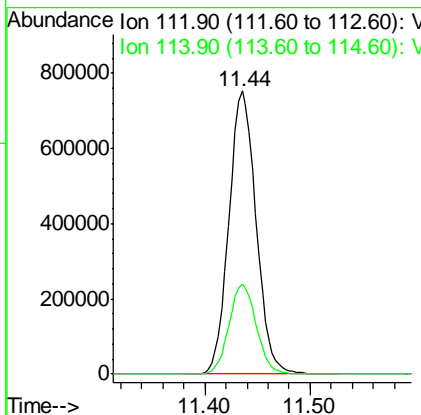
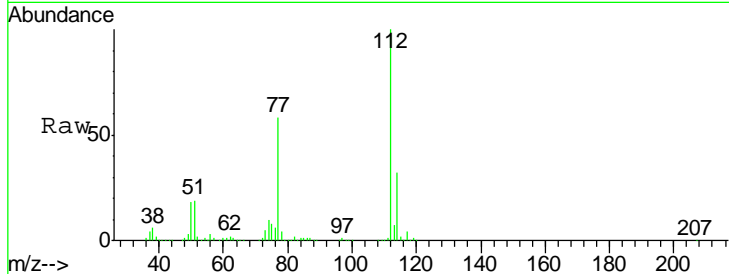
#65
 Chlorobenzene
 Concen: 92.23 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
112	100		
114	31.7	25.6	38.4

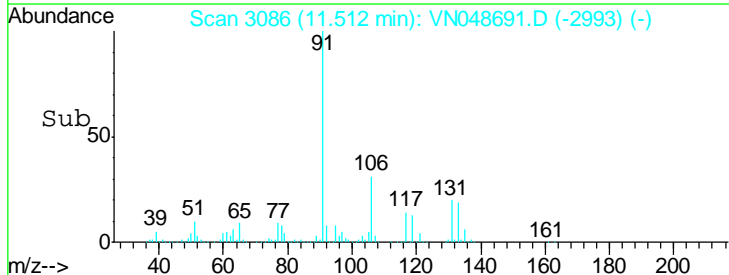
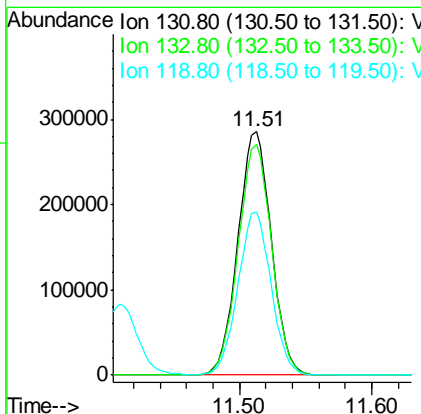
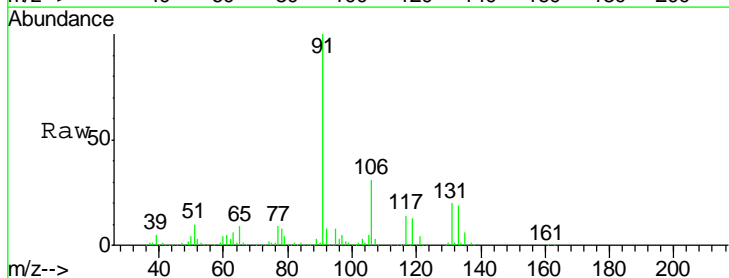
Manual Integrations
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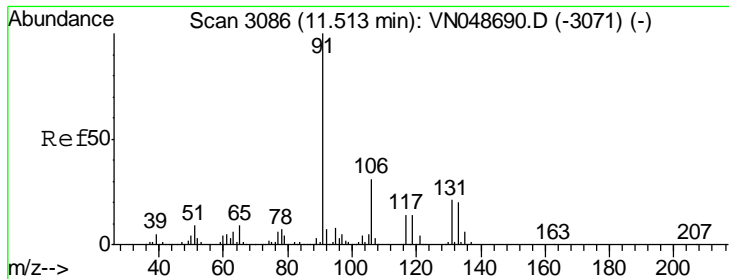
MMDadoda
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 92.91 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
131	100		
133	94.9	47.8	143.4
119	66.5	33.1	99.3





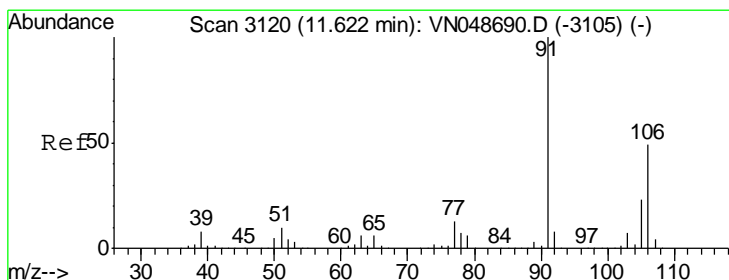
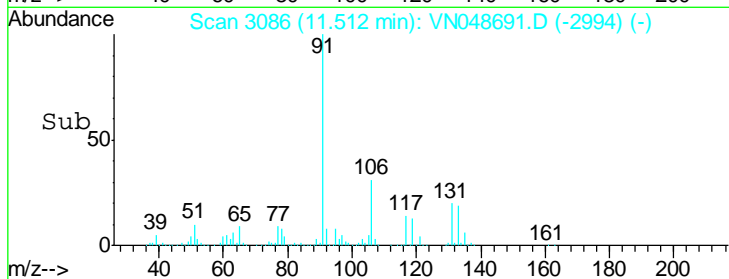
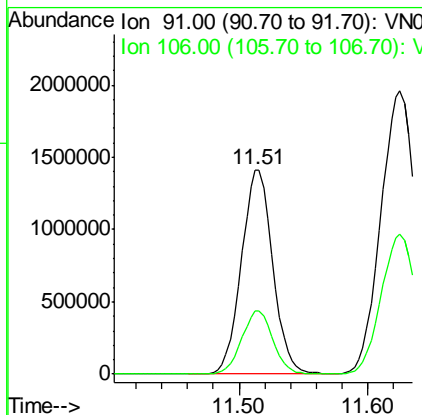
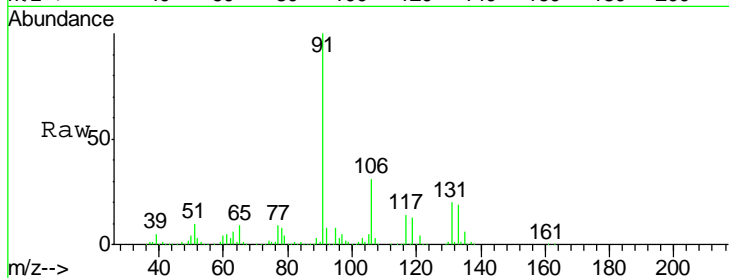
#67
Ethyl Benzene
Concen: 96.10 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN048691.D
Acq: 29 May 2018 12:31

Instrument : MSVOA_N
Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.6	24.9	37.3

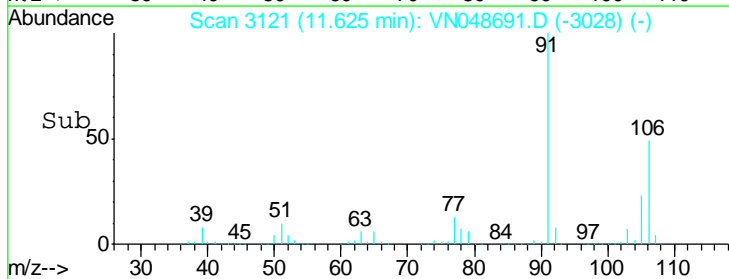
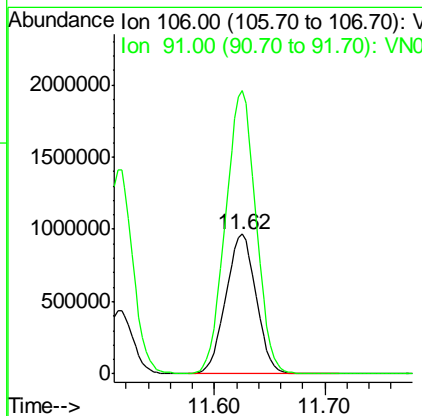
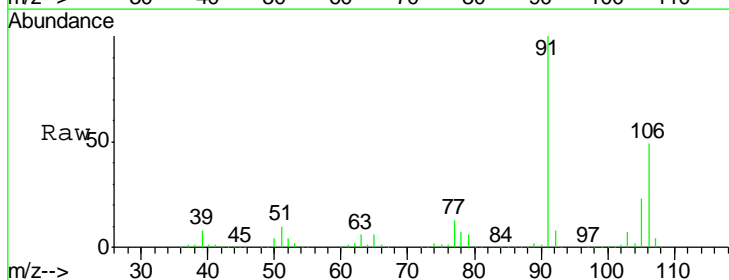
Manual Integrations
APPROVED

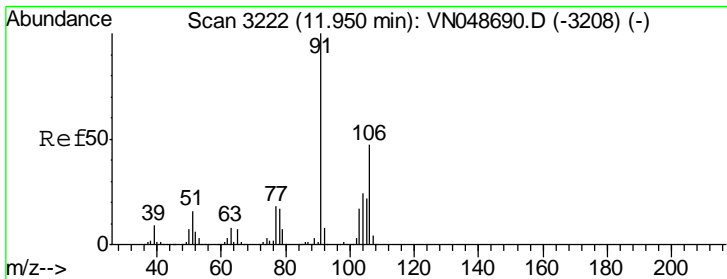
MMDadoda
5/31/2018 11:12:37 AM



#68
m/p-Xylenes
Concen: 202.02 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. -0.00 min
Lab File: VN048691.D
Acq: 29 May 2018 12:31

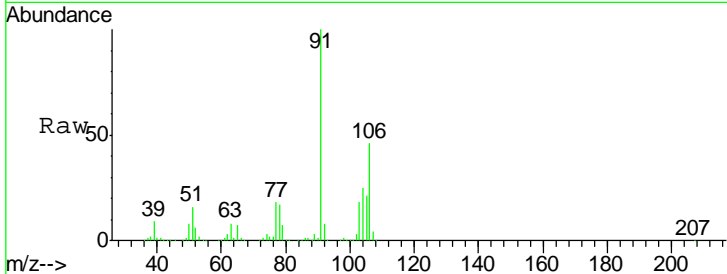
Tgt Ion	Resp	Lower	Upper
106	100		
91	202.7	163.4	245.0





#69
 o-Xylene
 Concen: 100.17 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

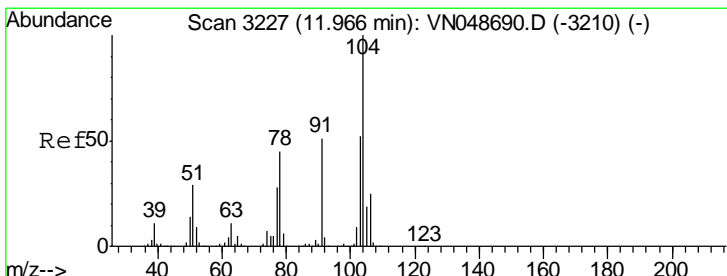
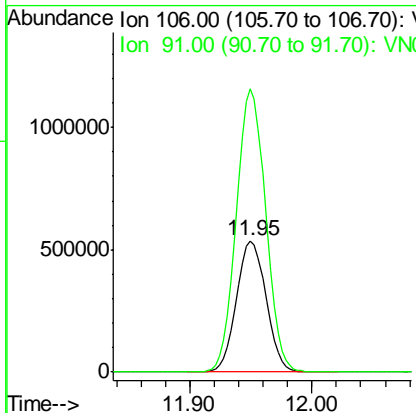
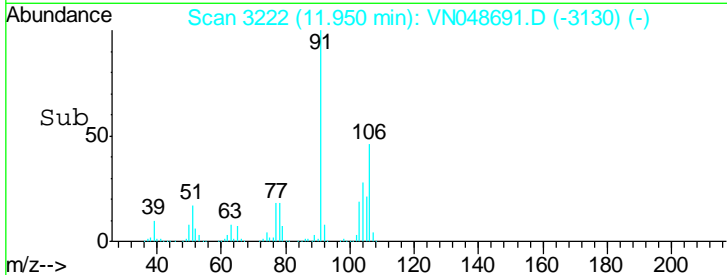
Instrument : MSVOA_N
 Client Sampled : VSTDIC100



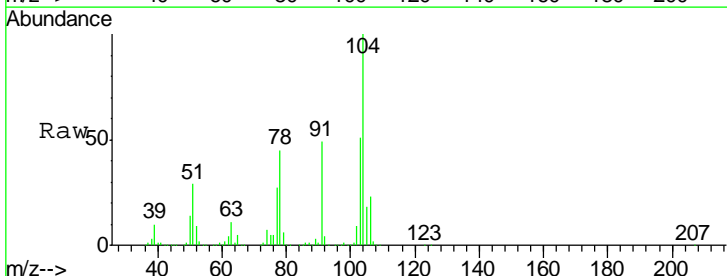
Tgt Ion: 106 Resp: 899233

Ion	Ratio	Lower	Upper
106	100		
91	213.9	107.9	323.7

Manual Integrations APPROVED
 MMDadoda
 5/31/2018 11:12:37 AM

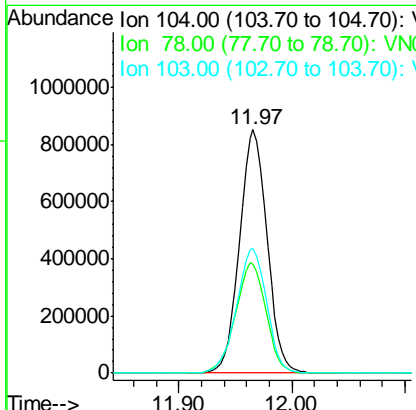
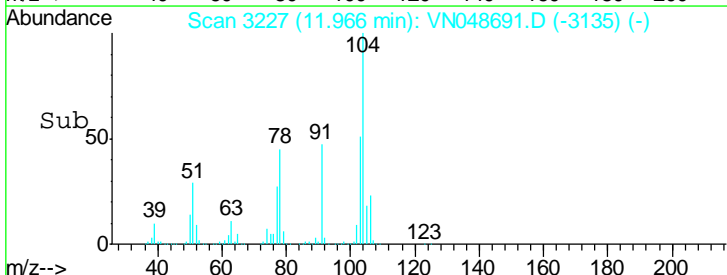


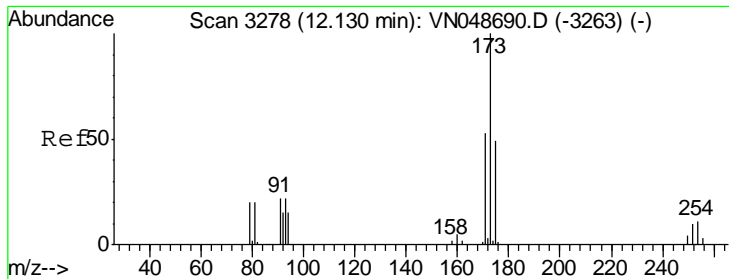
#70
 Styrene
 Concen: 101.18 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31



Tgt Ion: 104 Resp: 1445352

Ion	Ratio	Lower	Upper
104	100		
78	50.3	39.8	59.8
103	56.1	44.6	66.8





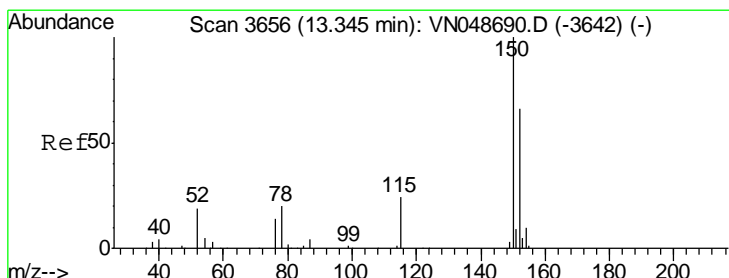
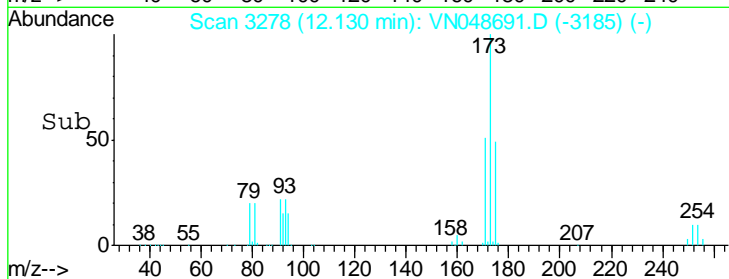
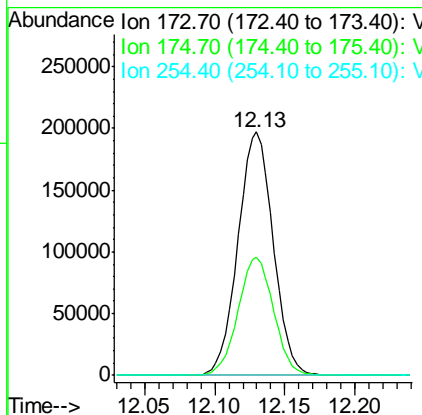
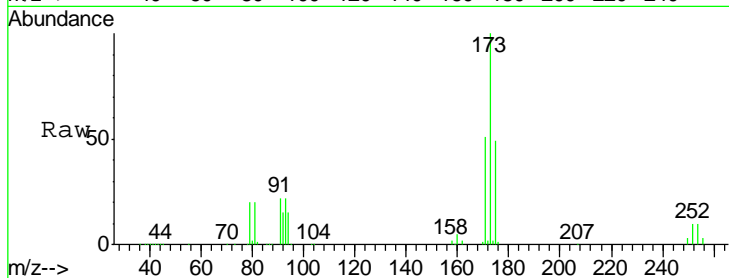
#71
 Bromoform
 Concen: 85.51 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
173	345266		
175	48.9	23.9	71.8
254	0.1	0.0	0.0

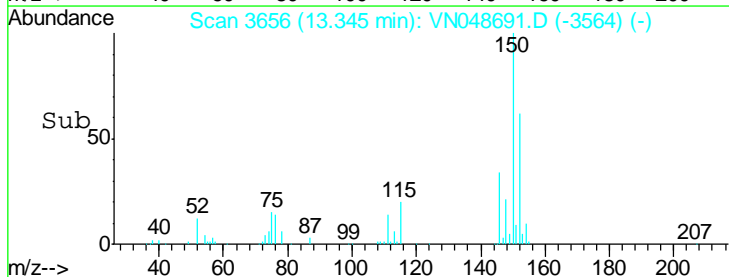
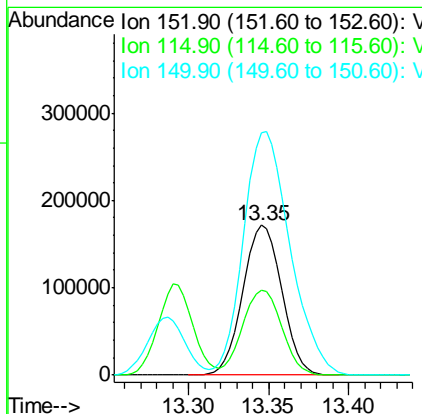
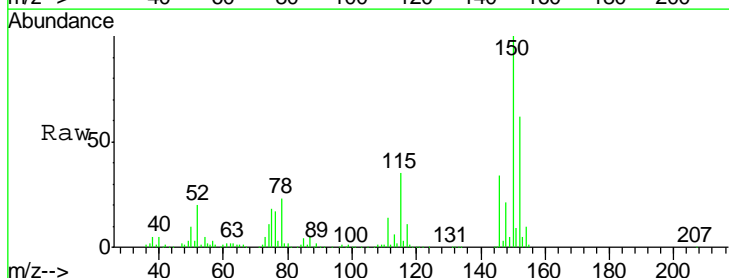
Manual Integrations
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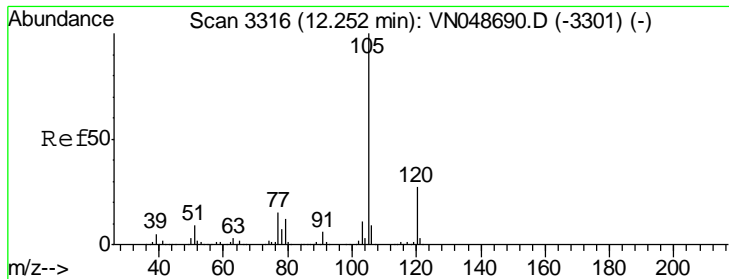
MMDadoda
 5/31/2018 11:12:37 AM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
152	285178		
152	100		
115	56.9	28.1	84.4
150	195.1	0.0	353.0





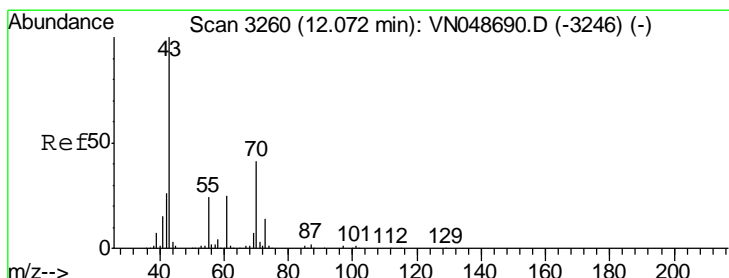
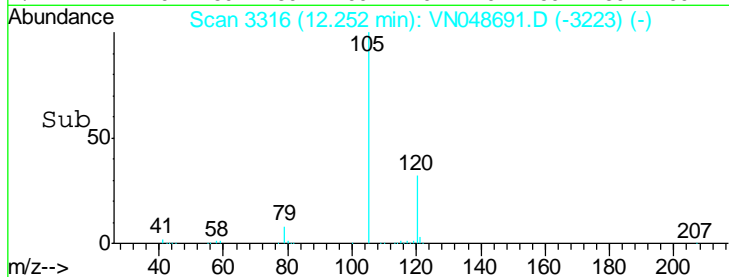
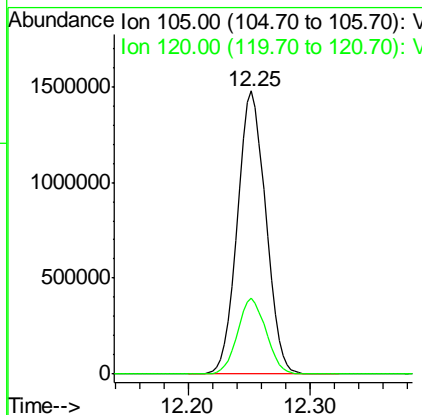
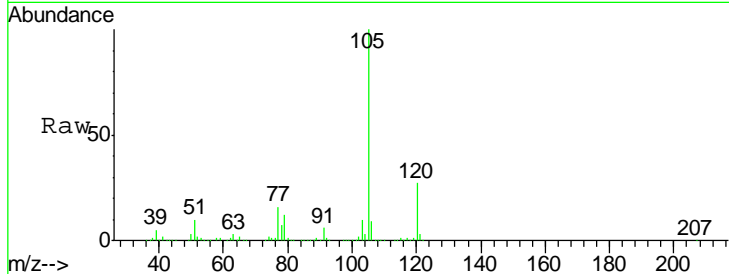
#73
 Isopropylbenzene
 Concen: 85.29 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.9	13.3	39.9

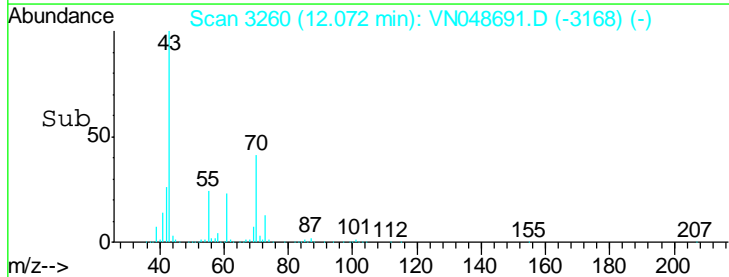
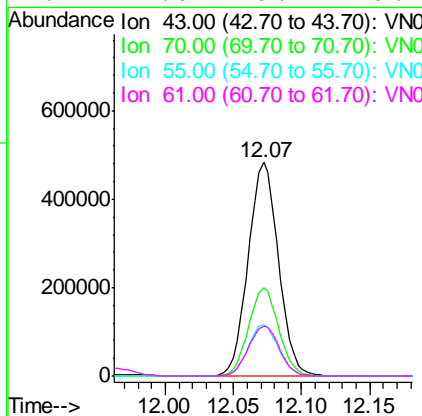
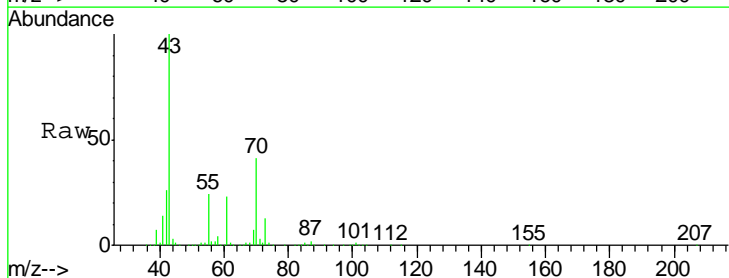
Manual Integrations
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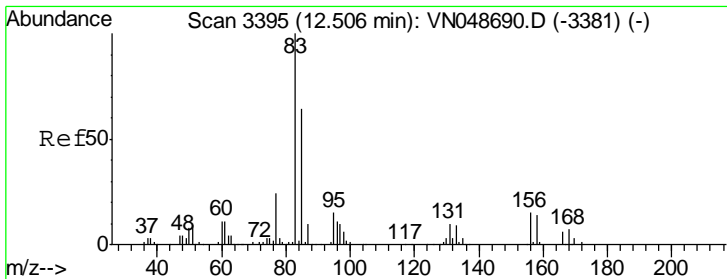
MMDadoda
 5/31/2018 11:12:37 AM



#74
 N-ethyl acetate
 Concen: 73.90 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
43	100		
70	41.2	33.7	50.5
55	24.2	19.3	28.9
61	24.0	19.4	29.2





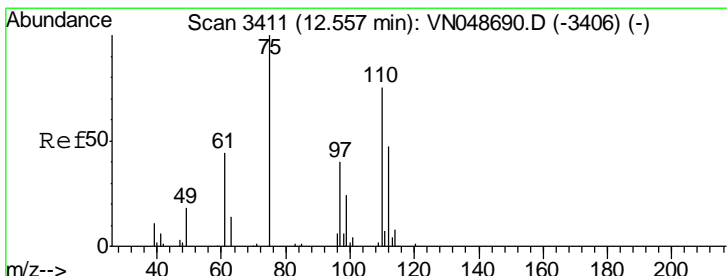
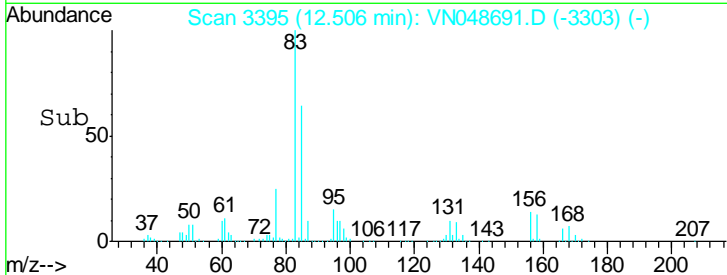
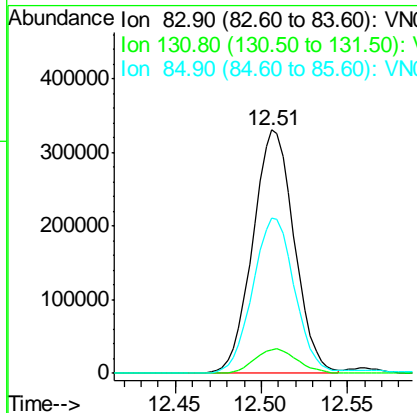
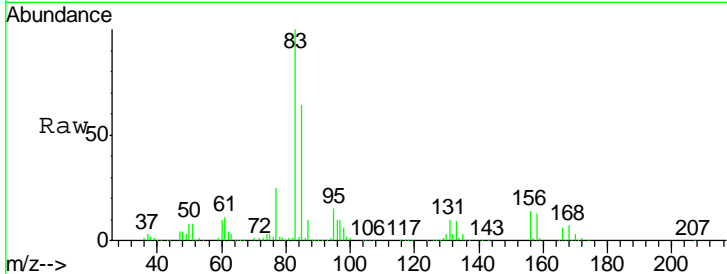
#75
 1,1,2,2-Tetrachloroethane
 Concen: 65.22 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.4	5.3	15.8
85	64.7	32.4	97.0

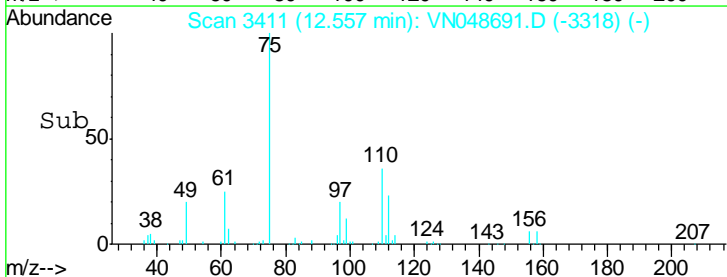
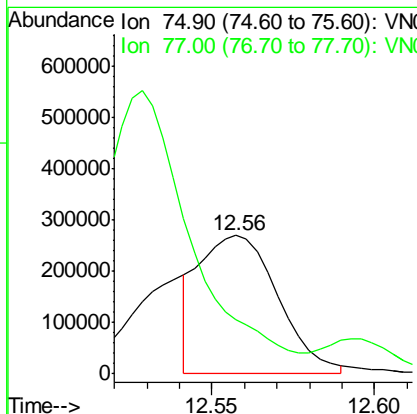
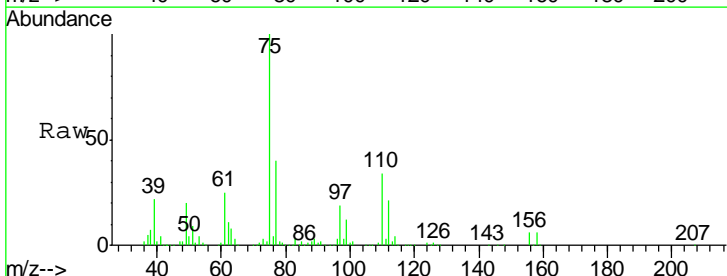
Manual Integrations
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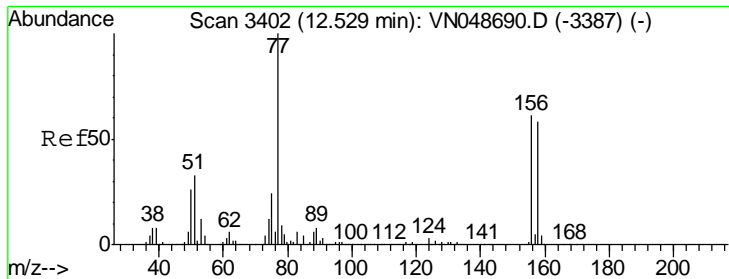
MMDadoda
 5/31/2018 11:12:37 AM



#76
 1,2,3-Trichloropropane
 Concen: 71.57 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





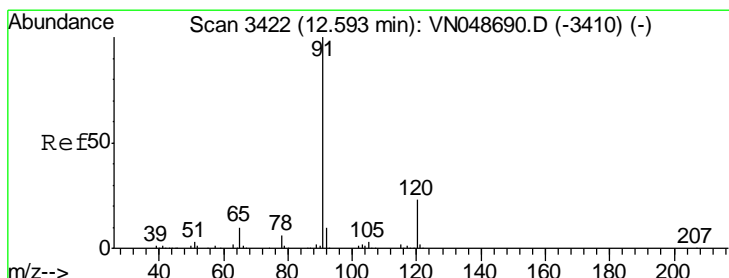
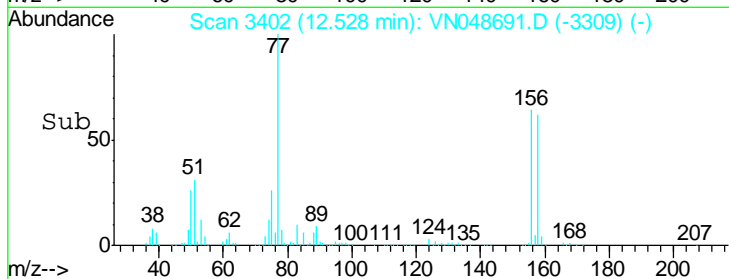
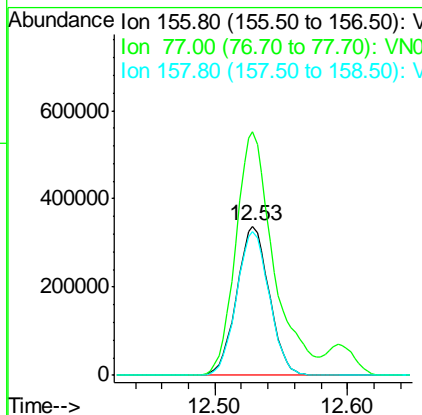
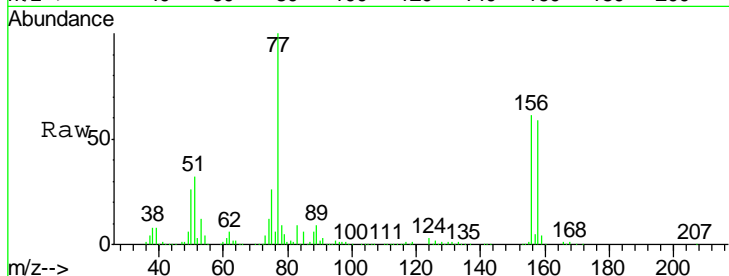
#77
 Bromobenzene
 Concen: 85.16 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
156	576100		
77	188.8	93.3	280.1
158	96.8	48.9	146.6

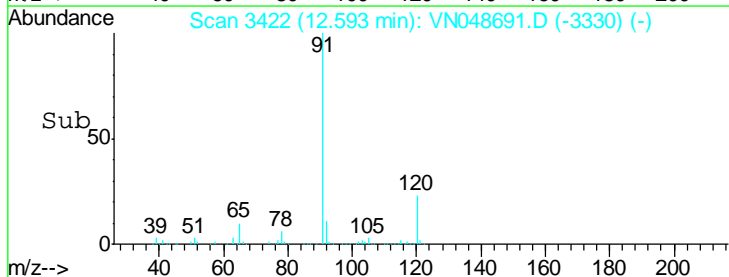
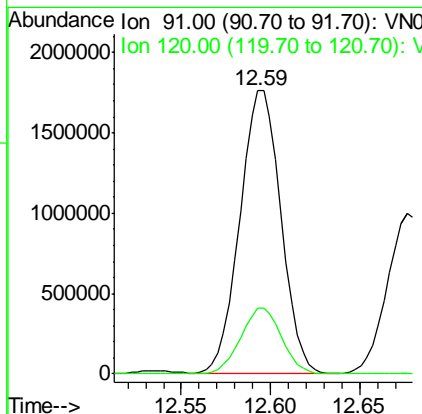
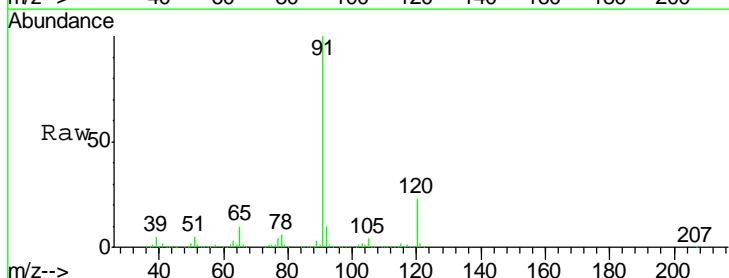
Manual Integrations
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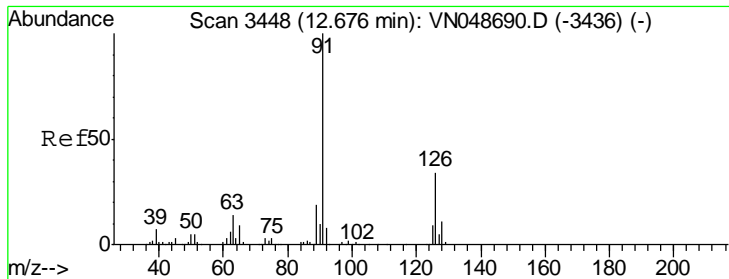
MMDadoda
 5/31/2018 11:12:37 AM



#78
 n-propylbenzene
 Concen: 89.50 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
91	2825201		
120	23.1	11.7	35.1





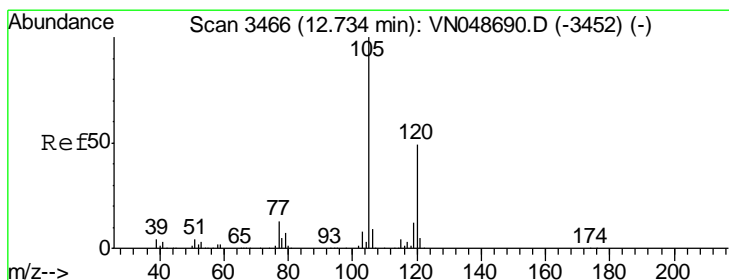
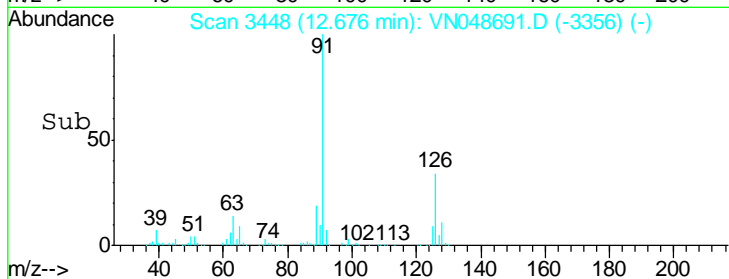
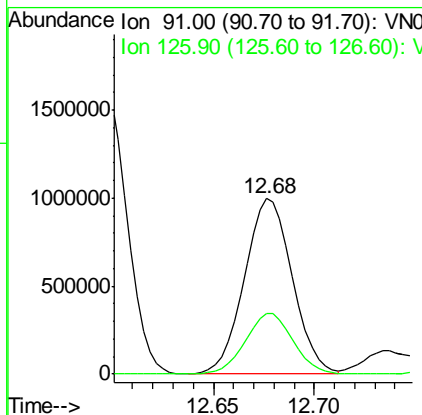
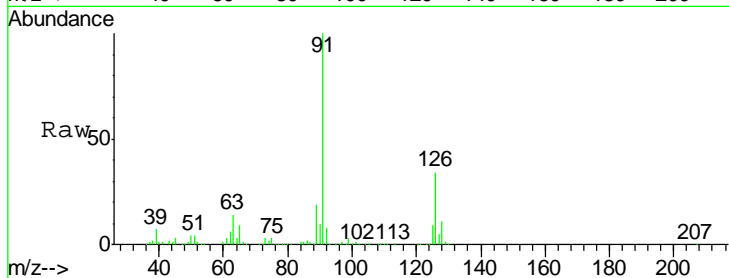
#79
 2-Chlorotoluene
 Concen: 85.88 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	1651458	100	
126	34.7	17.5	52.5

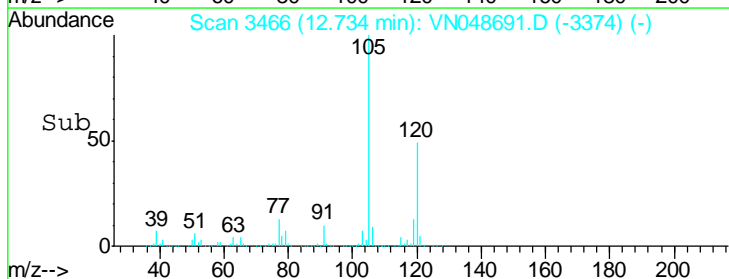
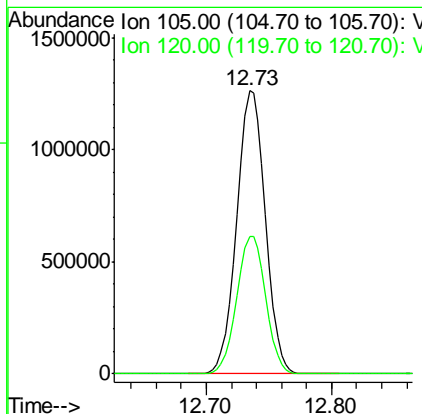
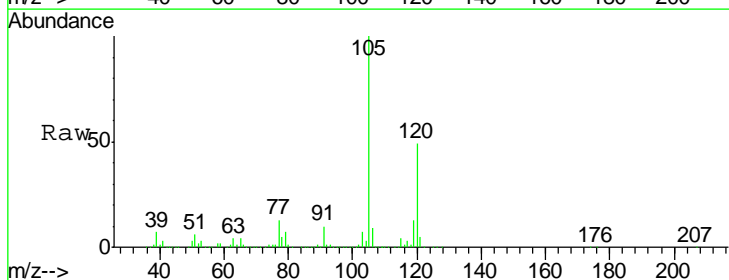
Manual Integrations
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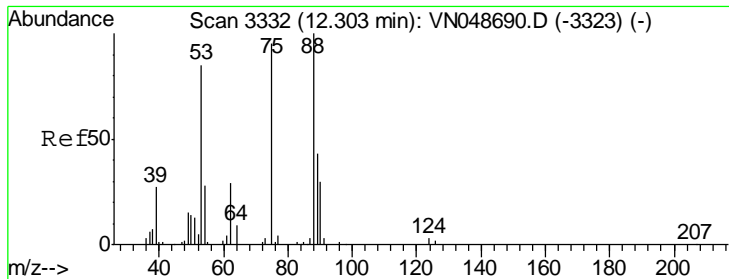
MMDadoda
 5/31/2018 11:12:37 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 88.59 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
105	1997615	100	
120	49.4	24.3	72.9





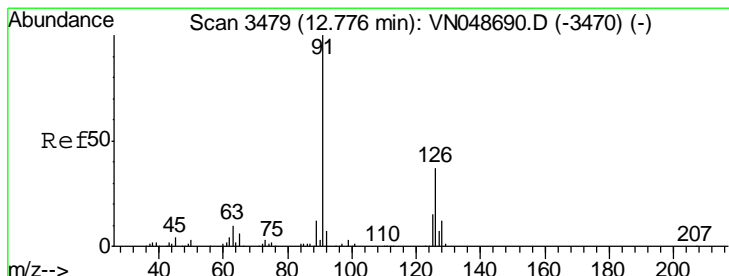
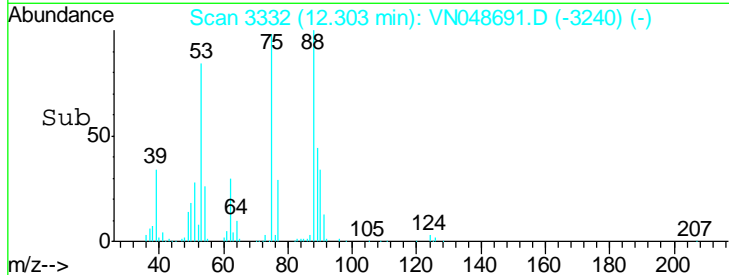
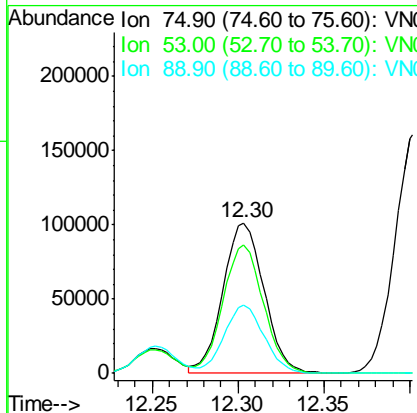
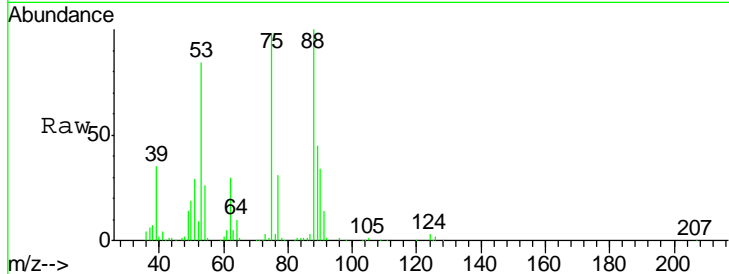
#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.43 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	168787		
75	100		
53	84.5	72.0	108.0
89	44.1	35.2	52.8

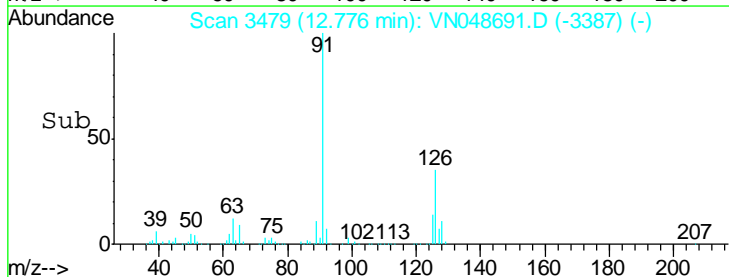
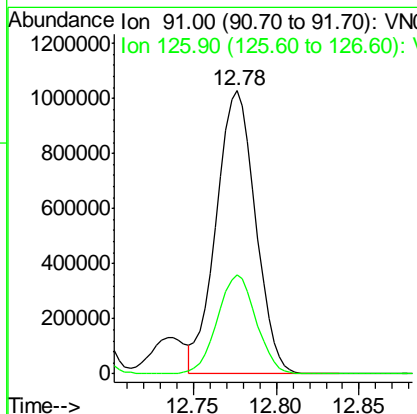
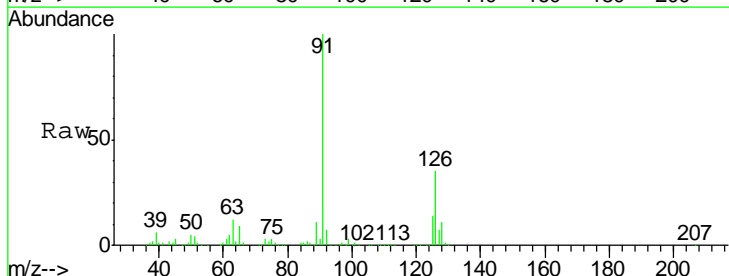
Manual Integrations
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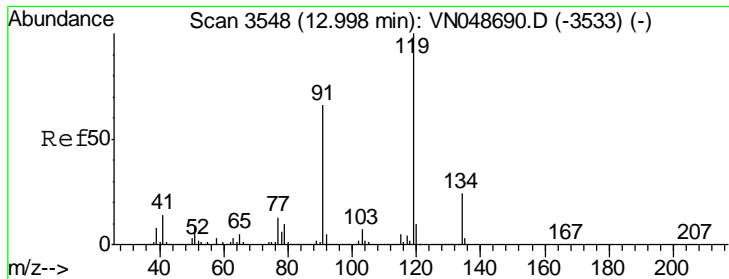
MMDadoda
 5/31/2018 11:12:37 AM



#82
 4-Chlorotoluene
 Concen: 90.41 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
91	1690801		
91	100		
126	34.4	17.2	51.6





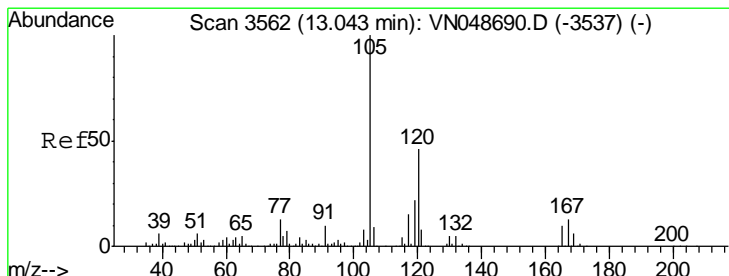
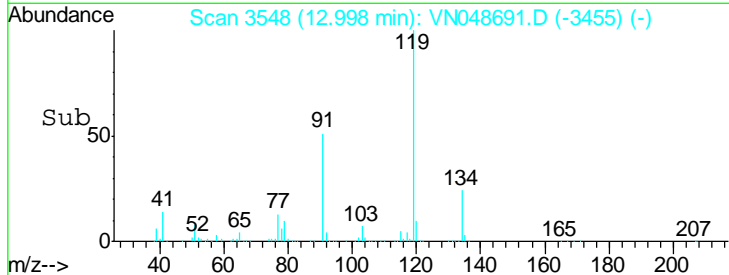
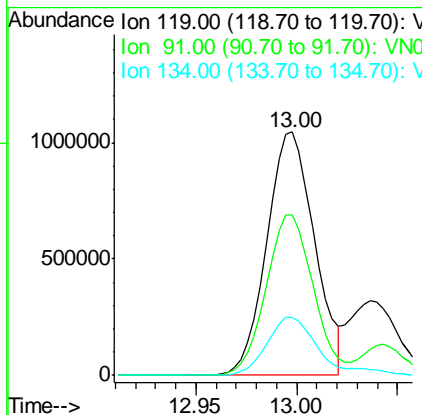
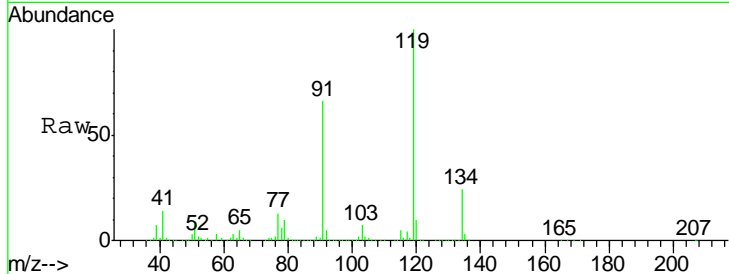
#83
 tert-Butylbenzene
 Concen: 87.28 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
119	1715336		
91	64.8	32.2	96.6
134	26.1	13.3	39.9

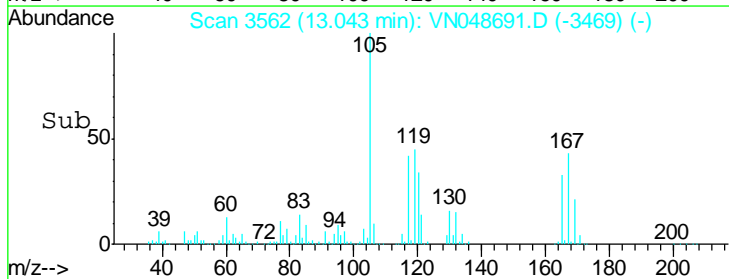
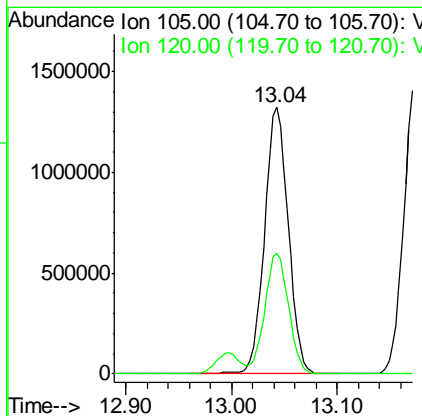
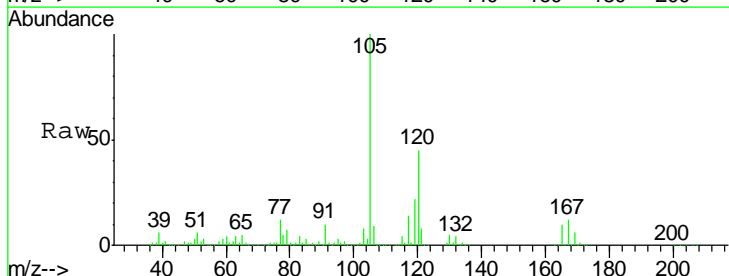
Manual Integrations
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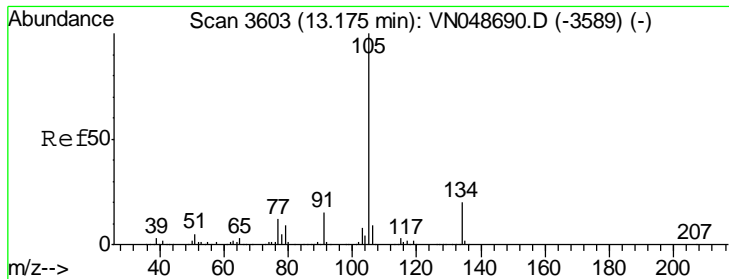
MMDadoda
 5/31/2018 11:12:37 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 92.31 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
105	2067545		
120	45.5	22.7	68.0





#85
 sec-Butylbenzene
 Concen: 91.52 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

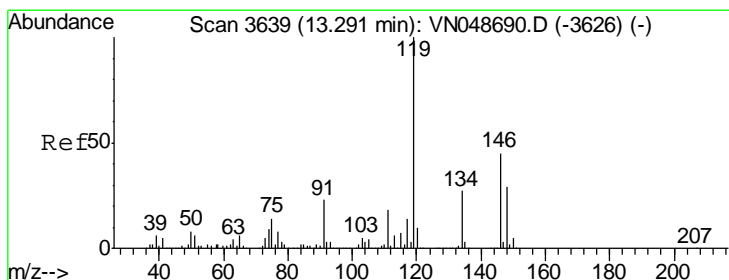
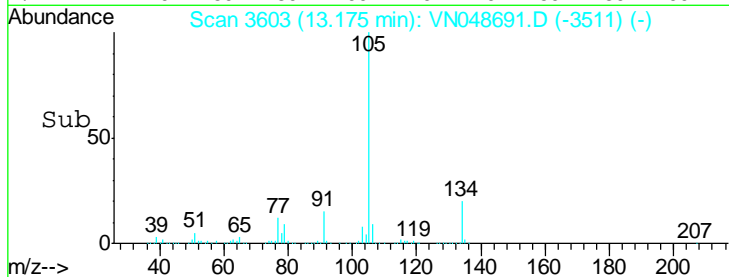
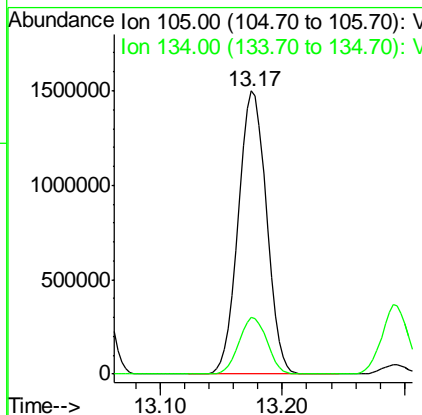
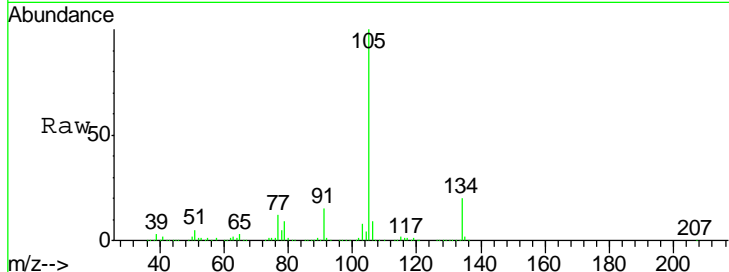
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion: 105 Resp: 2388260

Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.3

Manual Integrations
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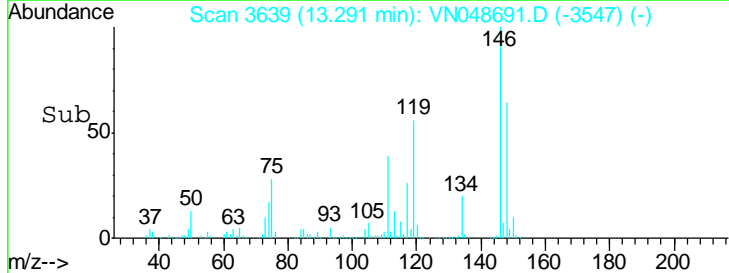
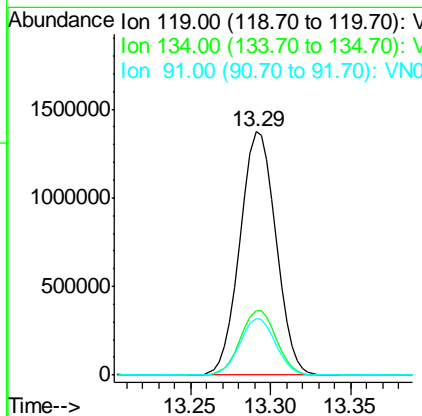
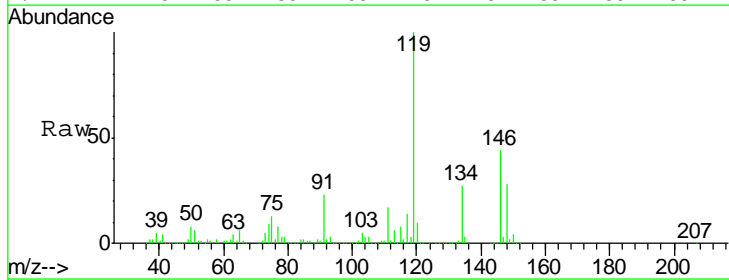
MMDadoda
 5/31/2018 11:12:37 AM

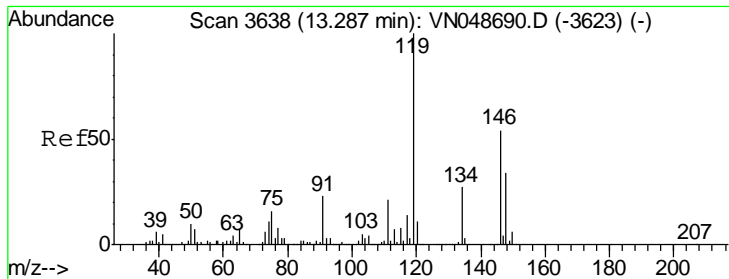


#86
 p-Isopropyltoluene
 Concen: 94.90 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion: 119 Resp: 2095455

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.5	40.4
91	23.0	11.4	34.2





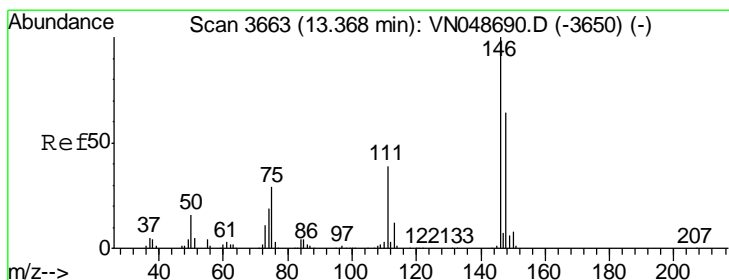
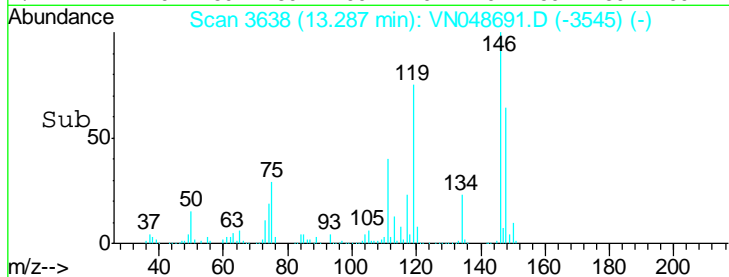
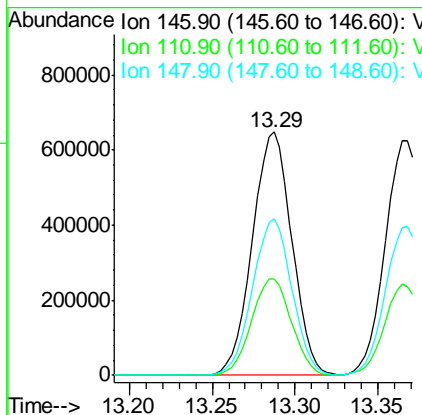
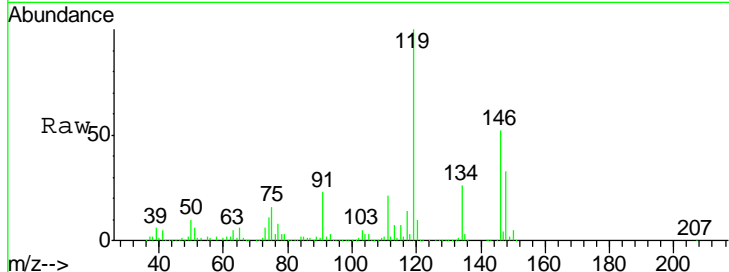
#87
 1,3-Dichlorobenzene
 Concen: 92.69 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	1070521		
146	100		
111	40.1	19.3	57.9
148	64.2	32.1	96.5

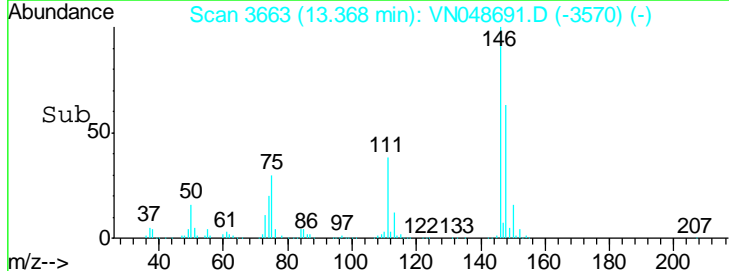
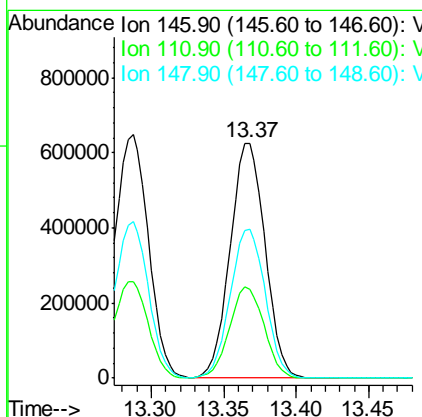
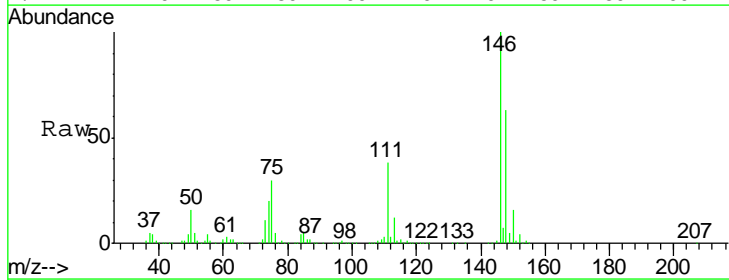
Manual Integrations
 APPROVED

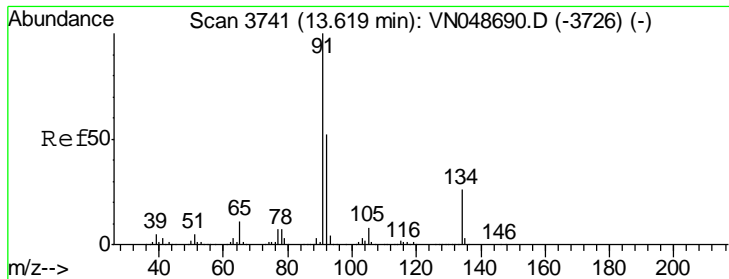
MMDadoda
 5/31/2018 11:12:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 90.95 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
146	1047976		
146	100		
111	38.4	18.9	56.5
148	63.5	32.2	96.6





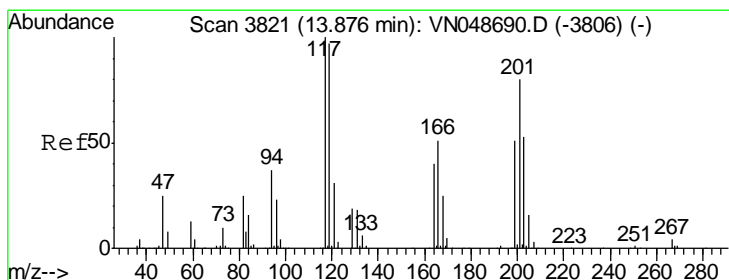
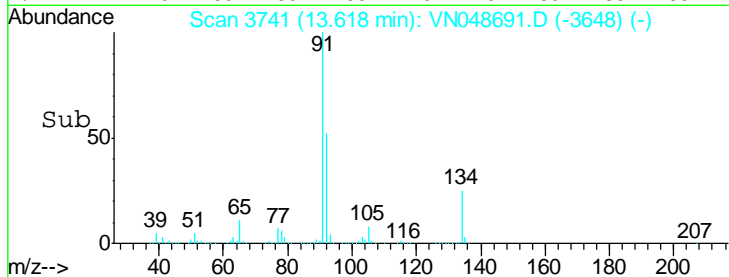
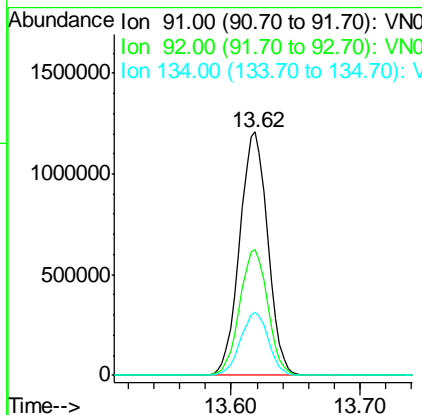
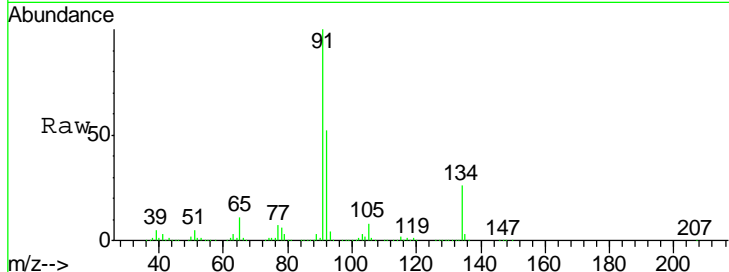
#89
 n-Butylbenzene
 Concen: 105.93 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
91	100		
92	51.7	26.3	78.9
134	25.7	13.5	40.4

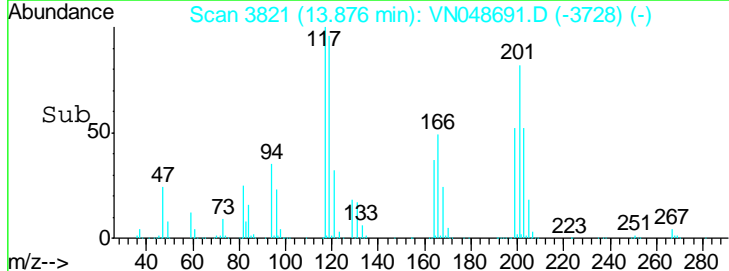
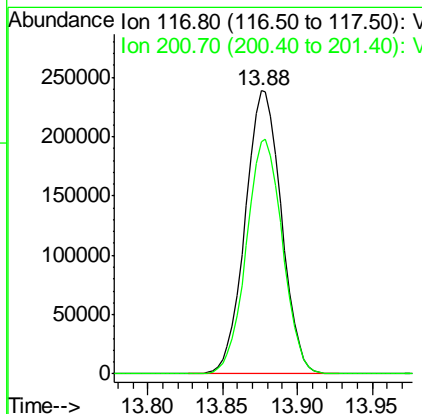
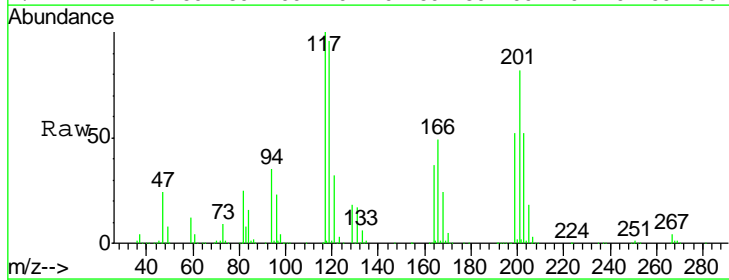
Manual Integrations
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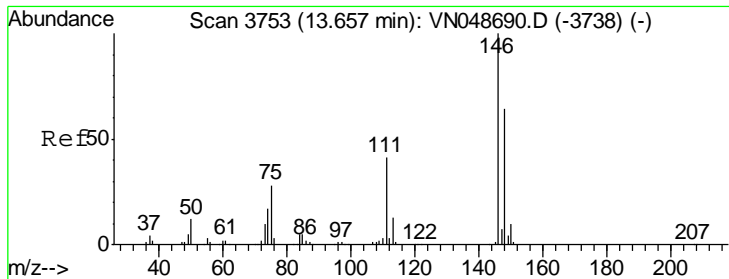
MMDadoda
 5/31/2018 11:12:37 AM



#90
 Hexachloroethane
 Concen: 81.86 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
117	100		
201	82.8	44.6	134.0





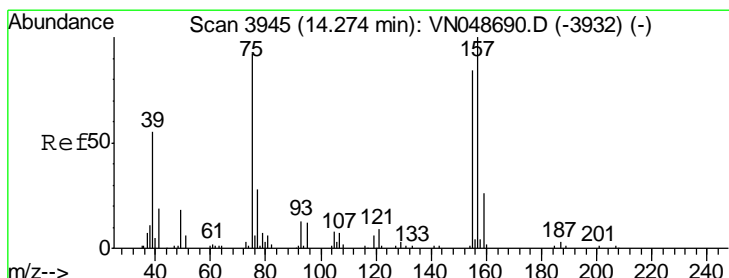
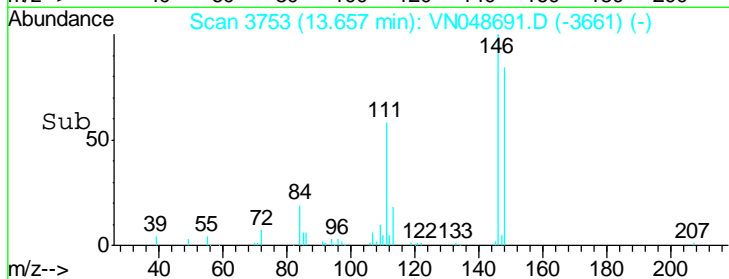
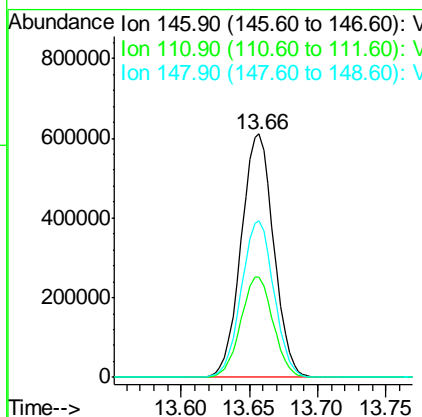
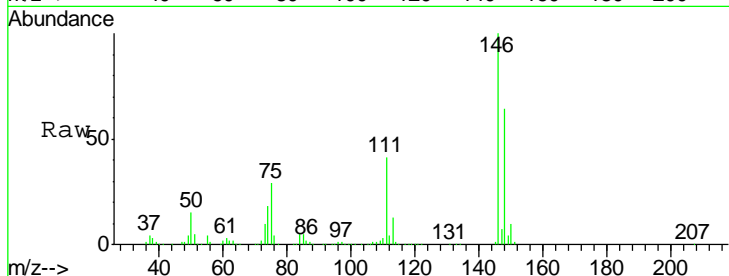
#91
 1,2-Dichlorobenzene
 Concen: 89.79 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	1010928		
146	100		
111	40.8	19.9	59.6
148	64.4	32.0	96.0

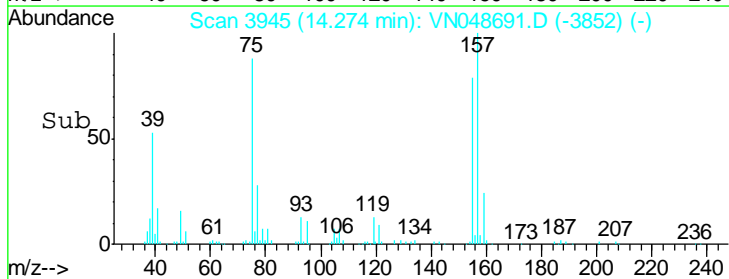
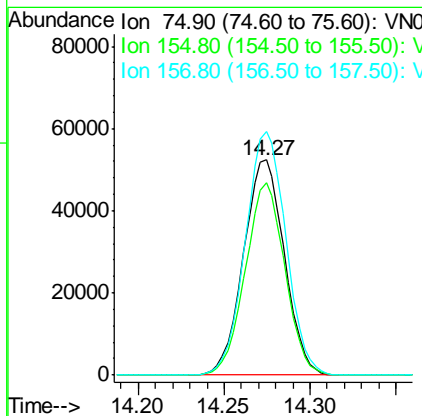
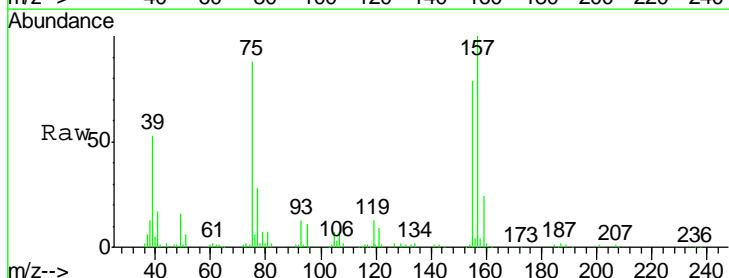
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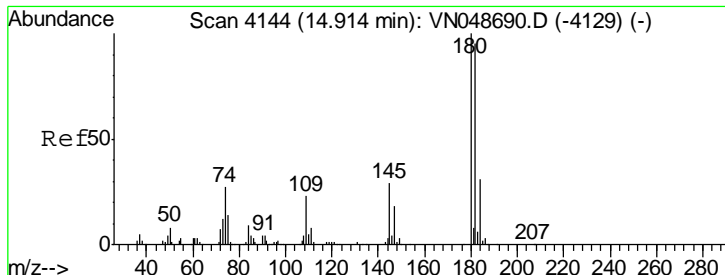
MMDadoda
 5/31/2018 11:12:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.41 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
75	86516		
75	100		
155	86.5	47.1	141.4
157	112.2	60.9	182.6





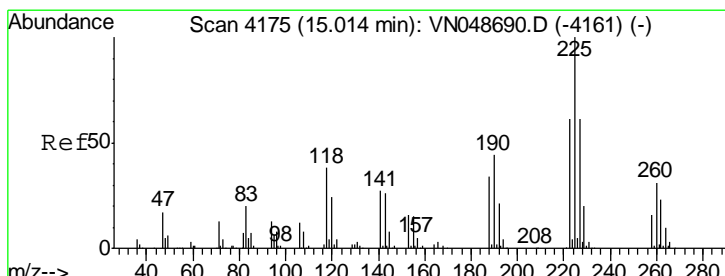
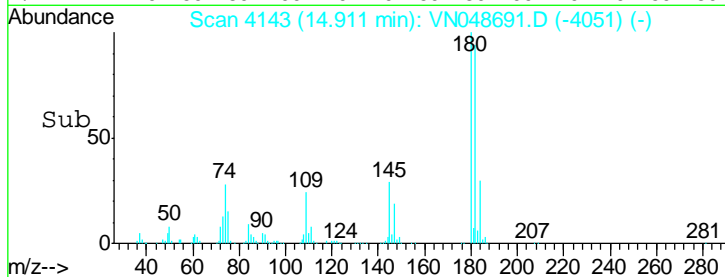
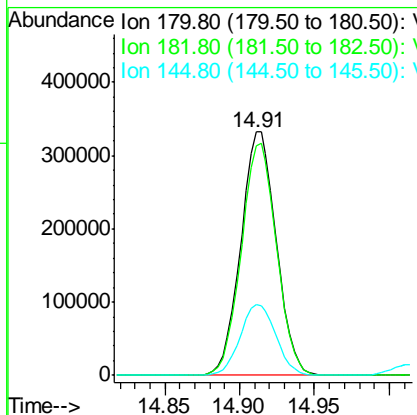
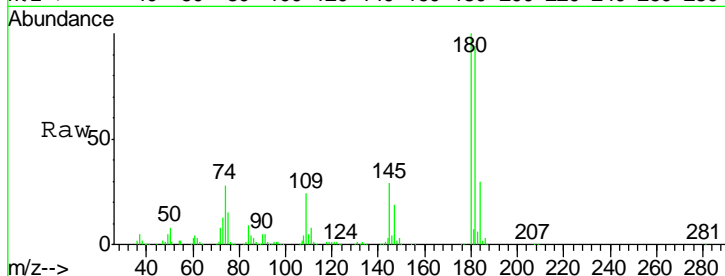
#93
 1,2,4-Trichlorobenzene
 Concen: 123.12 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.8	47.9	143.8
145	29.4	14.6	43.8

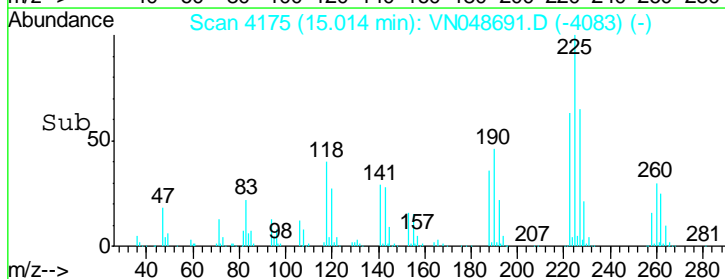
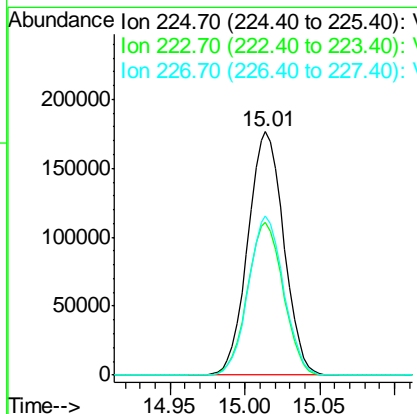
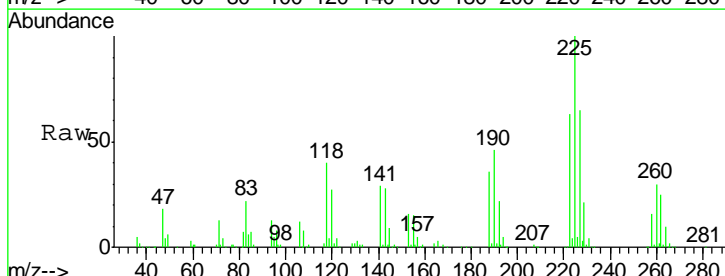
Manual Integrations
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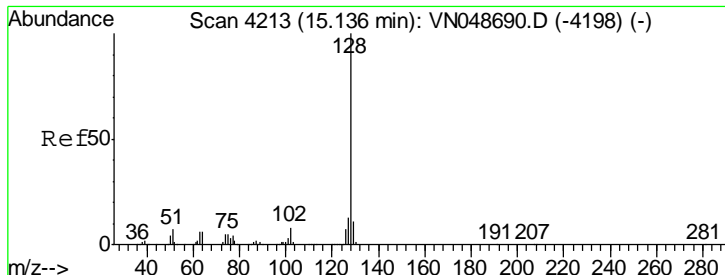
MMDadoda
 5/31/2018 11:12:37 AM



#94
 Hexachlorobutadiene
 Concen: 82.61 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.5	31.3	93.8
227	64.0	31.9	95.5





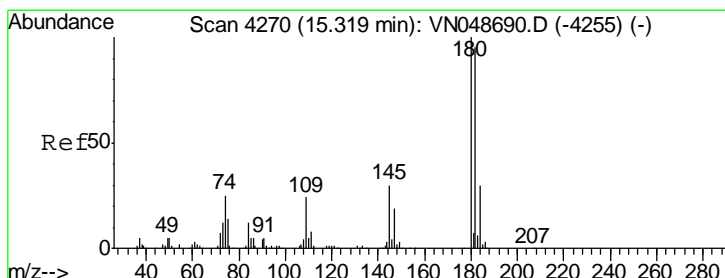
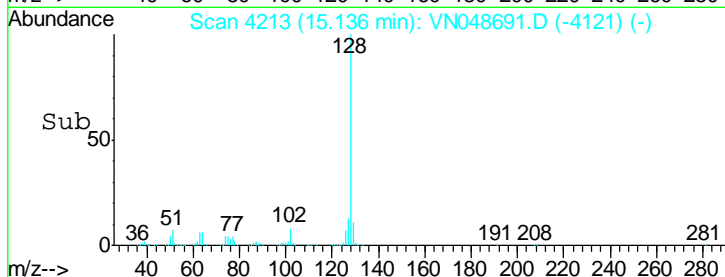
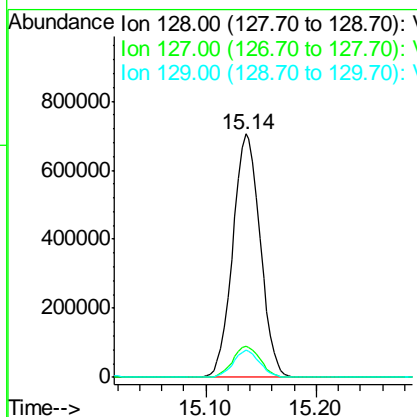
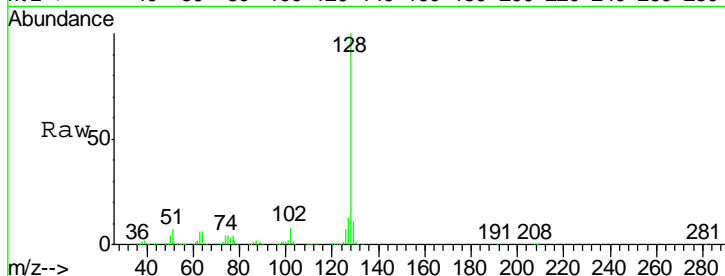
#95
 Naphthalene
 Concen: 102.41 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
128	1210910		
127	12.8	10.2	15.4
129	10.7	8.7	13.1

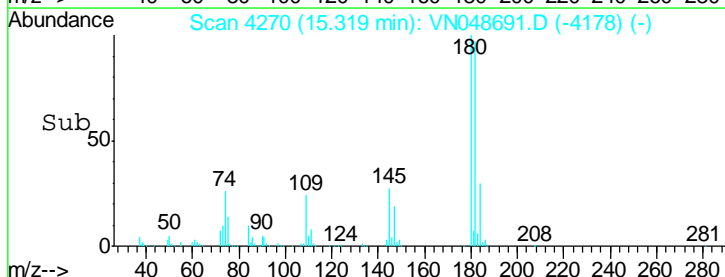
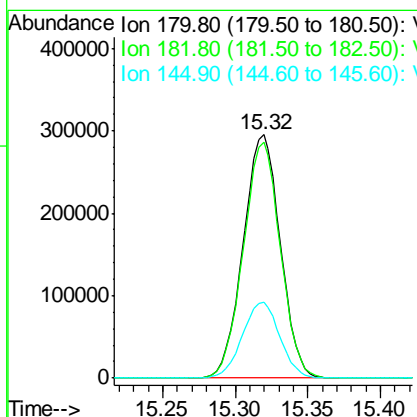
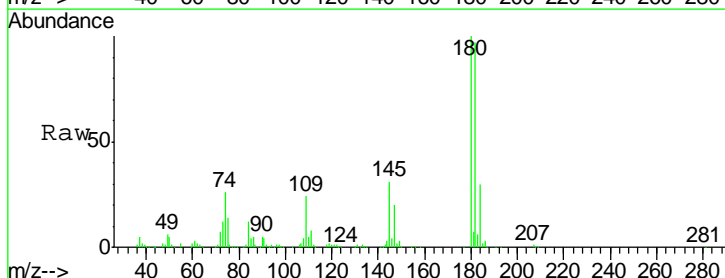
Manual Integrations
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MMDadoda
 5/31/2018 11:12:37 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 112.86 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: VN048691.D
 Acq: 29 May 2018 12:31

Tgt Ion	Resp	Lower	Upper
180	526432		
182	96.5	48.4	145.0
145	31.4	15.3	45.9



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048692.D
 Acq On : 29 May 2018 12:56
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 11:12:38 AM

Quant Time: May 29 13:18:11 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	343127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	511183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	476997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	690182	106.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.40%	
35) Dibromofluoromethane	7.59	113	629169	117.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	234.82%	
50) Toluene-d8	10.09	98	2370125	118.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	237.82%	
62) 4-Bromofluorobenzene	12.40	95	858841	128.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	256.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	606544	112.01	ug/l	100
3) Chloromethane	2.05	50	867636	117.91	ug/l	100
4) Vinyl Chloride	2.18	62	786729	126.14	ug/l	99
5) Bromomethane	2.54	94	434390	118.95	ug/l	98
6) Chloroethane	2.69	64	444641	127.51	ug/l	98
7) Trichlorofluoromethane	3.01	101	1029450	123.57	ug/l	98
8) Diethyl Ether	3.41	74	403143	124.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	664766	125.35	ug/l	97
10) Methyl Iodide	3.95	142	998766	127.42	ug/l	98
11) Tert butyl alcohol	4.80	59	246829	411.56	ug/l	100
12) 1,1-Dichloroethene	3.73	96	644694	131.62	ug/l	96
13) Acrolein	3.61	56	405250	525.24	ug/l	99
14) Allyl chloride	4.32	41	1252118	132.06	ug/l	97
15) Acrylonitrile	4.99	53	1261424	518.02	ug/l	99
16) Acetone	3.82	43	895737	379.45	ug/l	98
17) Carbon Disulfide	4.05	76	2101728	132.21	ug/l	100
18) Methyl Acetate	4.33	43	546268	79.19	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1864253	124.19	ug/l	99
20) Methylene Chloride	4.54	84	737808	118.63	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	697553	130.72	ug/l	98
22) Diisopropyl ether	5.96	45	2418459	135.03	ug/l	99
23) Vinyl Acetate	5.90	43	8422245	656.32	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1357714	131.45	ug/l	100
25) 2-Butanone	6.84	43	1419723	451.40	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1112591	131.77	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	804170	133.68	ug/l	98
28) Bromochloromethane	7.19	49	642510	171.57	ug/l	95
29) Tetrahydrofuran	7.22	42	956944	477.86	ug/l	97
30) Chloroform	7.37	83	1315865	130.25	ug/l	98
31) Cyclohexane	7.65	56	1283152	121.76	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	1169225	132.94	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1062420	141.60	ug/l	99
37) Ethyl Acetate	6.93	43	636872	101.84	ug/l	99
38) Carbon Tetrachloride	7.77	117	1068048	137.87	ug/l	99

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048692.D
 Acq On : 29 May 2018 12:56
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 11:12:38 AM

Quant Time: May 29 13:18:11 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1217952	146.62	ug/l	99
40) Benzene	8.04	78	3084378	137.32	ug/l	99
41) Methacrylonitrile	7.18	41	369072	111.90	ug/l	99
42) 1,2-Dichloroethane	8.13	62	956459	130.32	ug/l	100
43) Isopropyl Acetate	8.17	43	1197529	110.41	ug/l #	90
44) Trichloroethene	8.84	130	805325	142.25	ug/l	97
45) 1,2-Dichloropropane	9.12	63	842258	138.07	ug/l	98
46) Dibromomethane	9.21	93	473413	126.68	ug/l	96
47) Bromodichloromethane	9.40	83	1054847	138.67	ug/l	98
48) Methyl methacrylate	9.20	41	618687	117.43	ug/l	98
49) 1,4-Dioxane	9.20	88	140794	2019.84	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	3189473	510.35	ug/l	100
52) Toluene	10.16	92	1898467	142.93	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1161048	148.31	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1303685	148.66	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	667426	128.84	ug/l	97
56) Ethyl methacrylate	10.43	69	937315	129.81	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1174926	131.70	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1788188	1303.80	ug/l	97
59) 2-Hexanone	10.76	43	2157003	496.52	ug/l	100
60) Dibromochloromethane	10.90	129	814429	139.39	ug/l	100
61) 1,2-Dibromoethane	11.01	107	657479	122.86	ug/l	98
64) Tetrachloroethene	10.63	164	705797	134.76	ug/l	98
65) Chlorobenzene	11.44	112	2101935	140.36	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	781791	141.47	ug/l	100
67) Ethyl Benzene	11.51	91	3755604	146.90	ug/l	100
68) m/p-Xylenes	11.62	106	2875780	306.22	ug/l	99
69) o-Xylene	11.95	106	1398646	151.56	ug/l	99
70) Styrene	11.97	104	2263427	154.13	ug/l	99
71) Bromoform	12.13	173	544601	131.20	ug/l #	98
73) Isopropylbenzene	12.25	105	3697975	131.39	ug/l	100
74) N-amyl acetate	12.07	43	1141452	112.23	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	842458	98.02	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	642059m	99.63	ug/l	
77) Bromobenzene	12.53	156	890814	129.86	ug/l	97
78) n-propylbenzene	12.60	91	4405805	137.64	ug/l	99
79) 2-Chlorotoluene	12.68	91	2554033	130.98	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	3097663	135.47	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	270803	125.68	ug/l	94
82) 4-Chlorotoluene	12.78	91	2632974	138.83	ug/l	100
83) tert-Butylbenzene	13.00	119	2699658	135.46	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3176132	139.85	ug/l	99
85) sec-Butylbenzene	13.17	105	3661982	138.39	ug/l	100
86) p-Isopropyltoluene	13.29	119	3238749	144.65	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	1659599	141.70	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1620357	138.67	ug/l	99
89) n-Butylbenzene	13.62	91	2824969	161.84	ug/l	99
90) Hexachloroethane	13.88	117	621661	124.93	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	1556323	136.31	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	137653	104.19	ug/l	93

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048692.D
 Acq On : 29 May 2018 12:56
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampleId :
 VSTDIC150

Manual Integrations
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 MMDadoda
 5/31/2018 11:12:38 AM

Quant Time: May 29 13:18:11 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 29 12:30:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	919493	204.48	ug/l	99
94) Hexachlorobutadiene	15.01	225	459728	127.33	ug/l	100
95) Naphthalene	15.14	128	2047026	170.73	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	871135	184.17	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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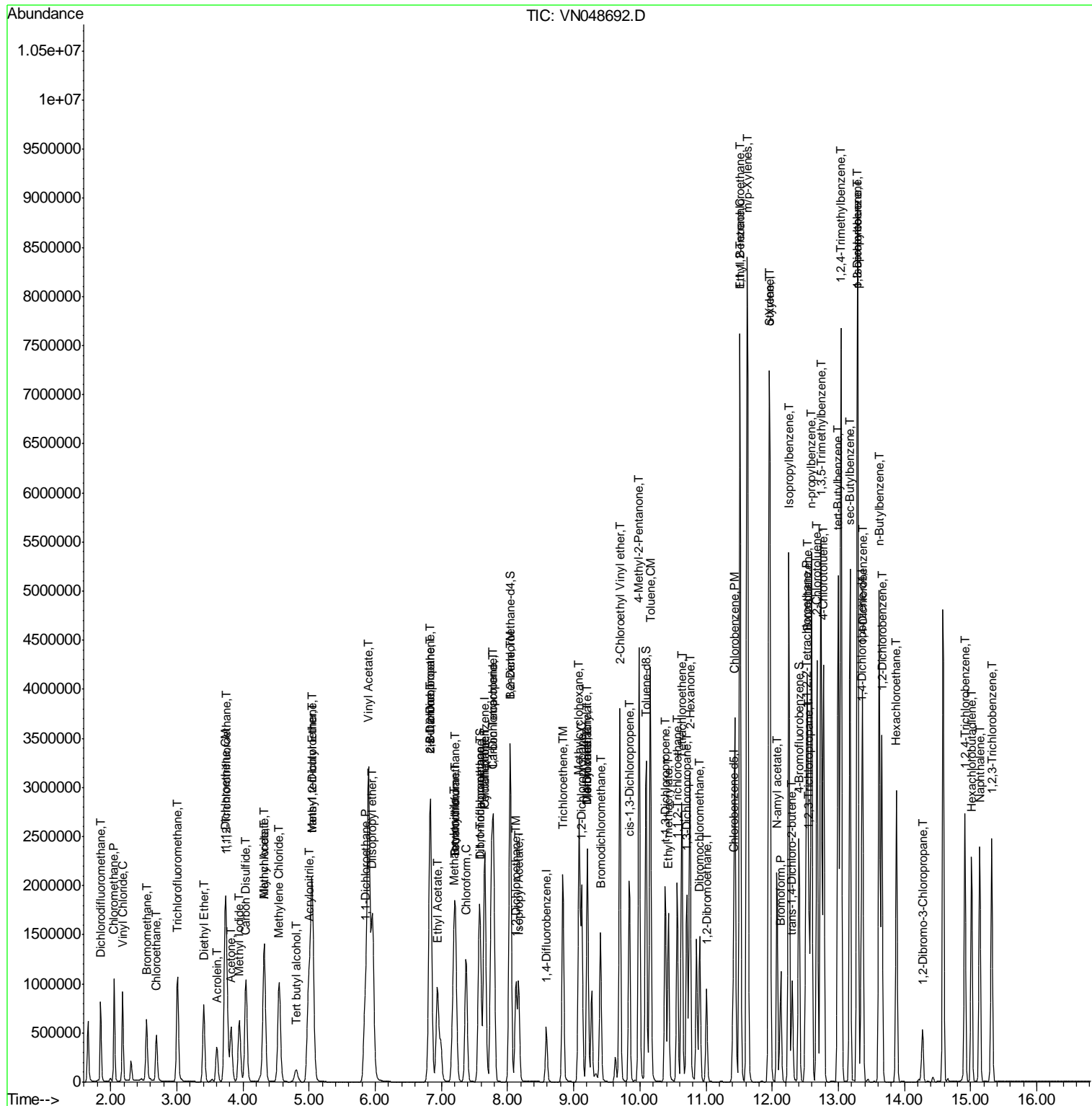
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
Data File : VN048692.D
Acq On : 29 May 2018 12:56
Operator : MD\SY
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_N
Client Sampled : VSTDIC150

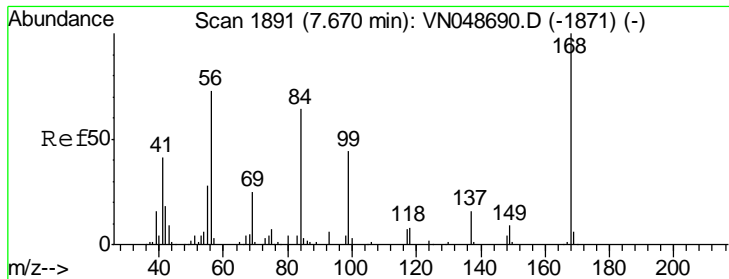
Manual Integrations APPROVED

MMDadoda
5/31/2018 11:12:38 AM

Quant Time: May 29 13:18:11 2018
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260
QLast Update : Tue May 29 12:30:18 2018
Response via : Initial Calibration



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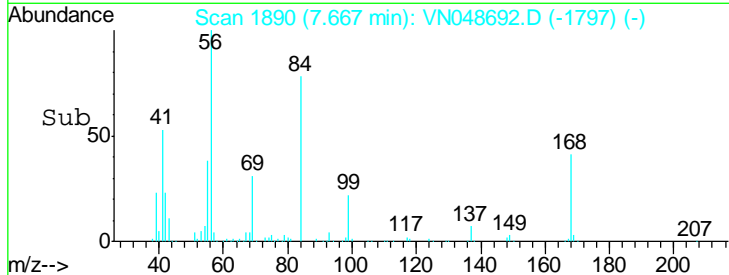
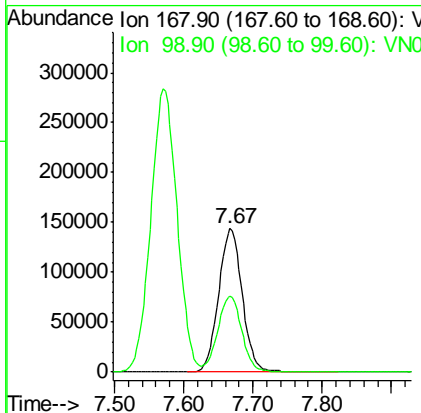
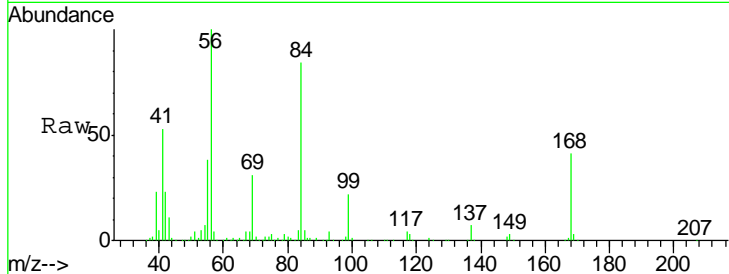
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
168	100		
99	53.0	40.8	61.2

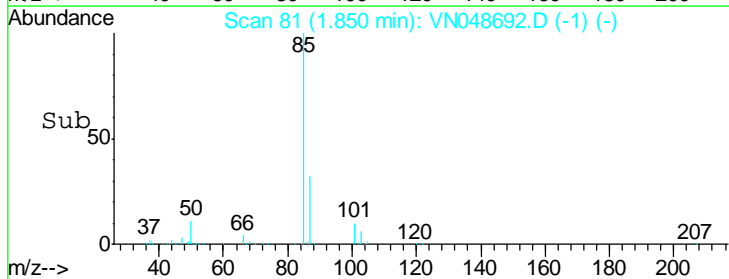
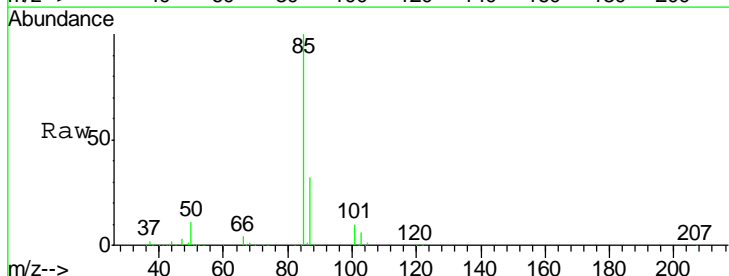
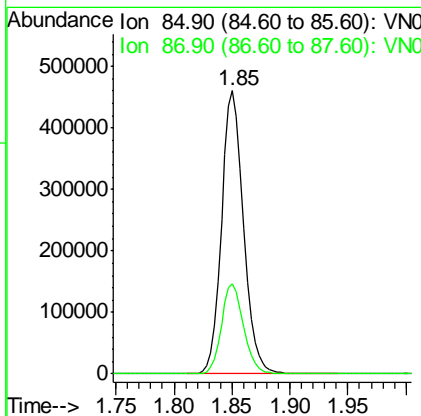
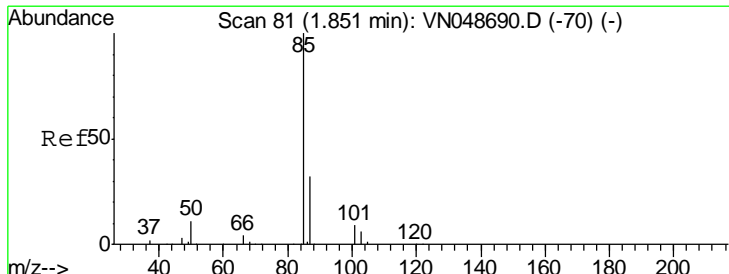
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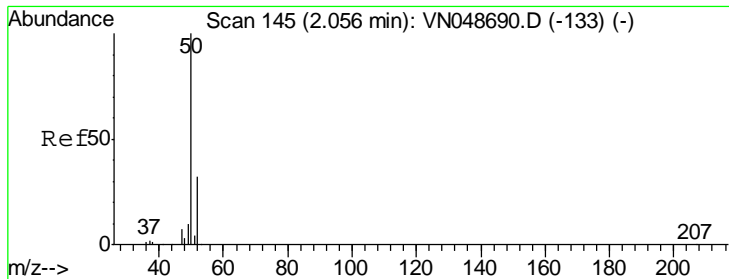
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#2
 Dichlorodifluoromethane
 Concen: 112.01 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.0	15.9	47.7





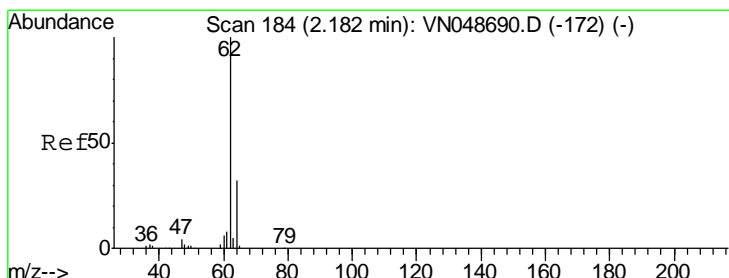
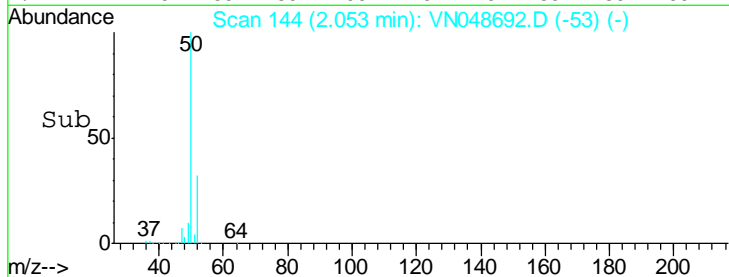
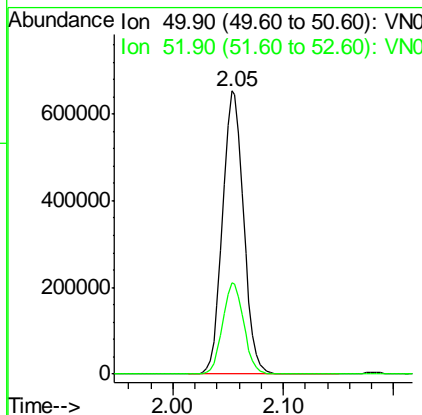
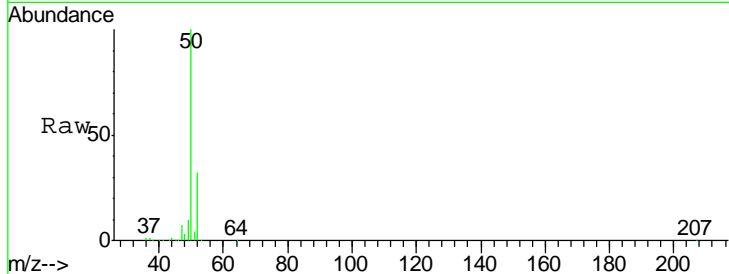
#3
 Chloromethane
 Concen: 117.91 ug/l
 RT: 2.05 min Scan# 144
 Delta R.T. -0.01 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.3	26.0	39.0

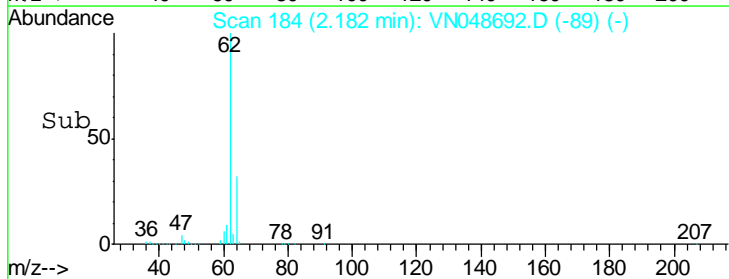
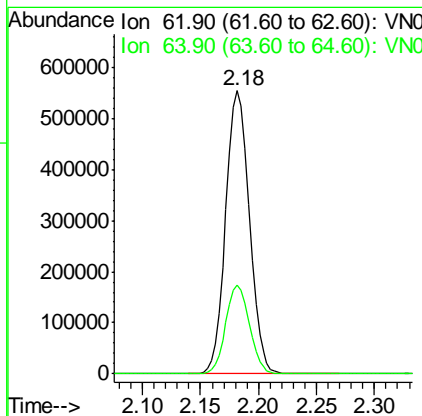
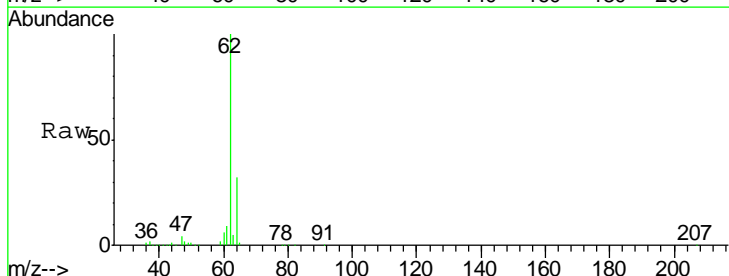
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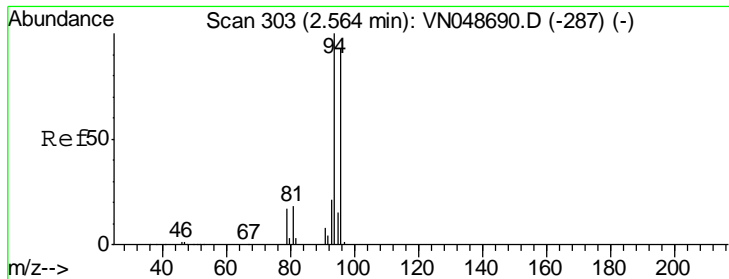
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 5/31/2018 11:12:38 AM



#4
 Vinyl Chloride
 Concen: 126.14 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.5	25.6	38.4





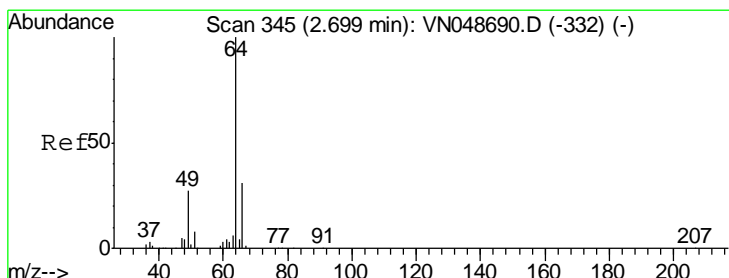
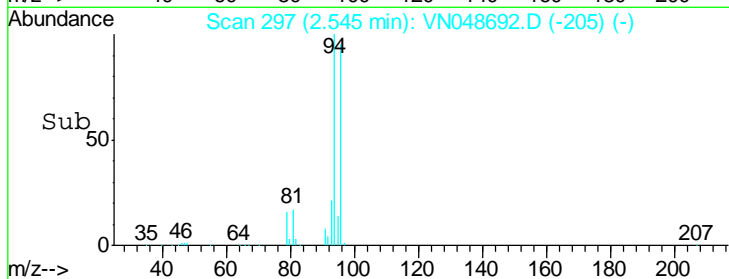
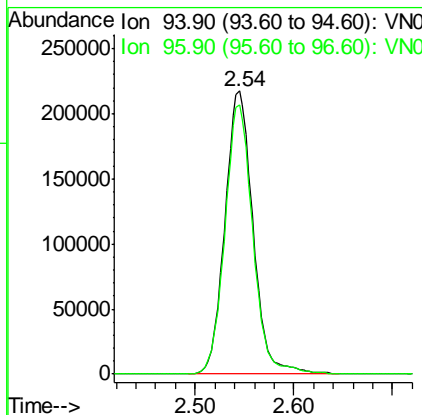
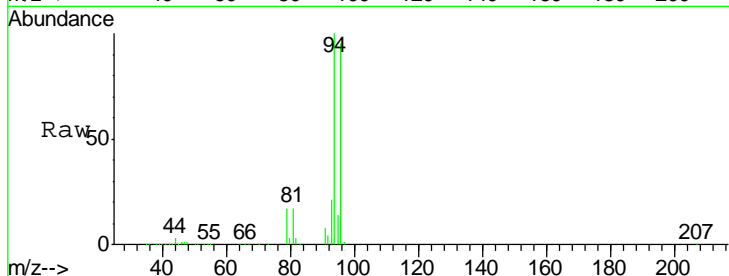
#5
 Bromomethane
 Concen: 118.95 ug/l
 RT: 2.54 min Scan# 297
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
94	434390		
96	95.1	78.0	117.0

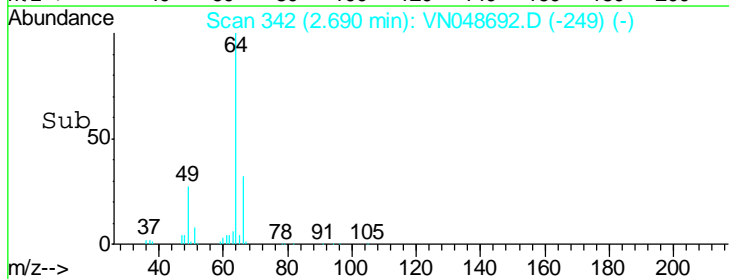
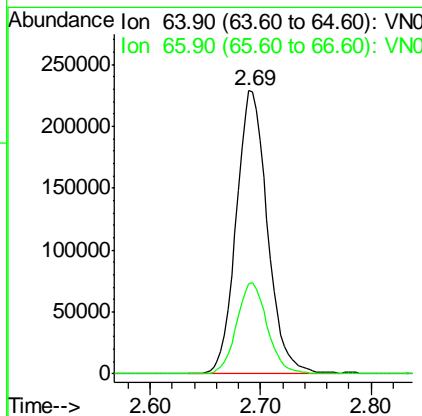
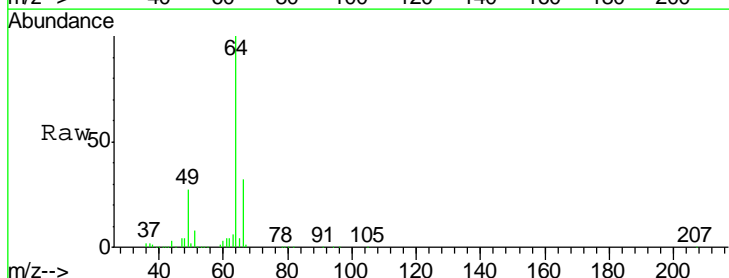
Manual Integrations
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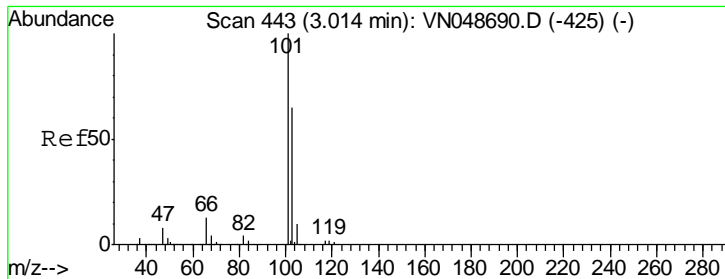
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 5/31/2018 11:12:38 AM



#6
 Chloroethane
 Concen: 127.51 ug/l
 RT: 2.69 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
64	444641		
66	32.1	24.8	37.2





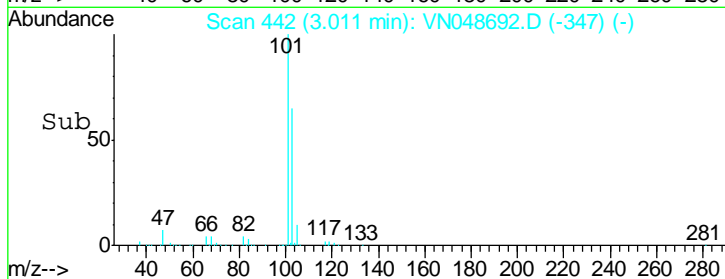
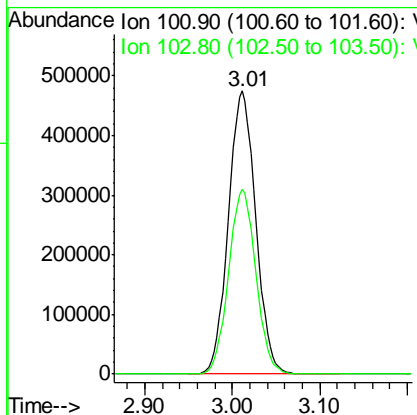
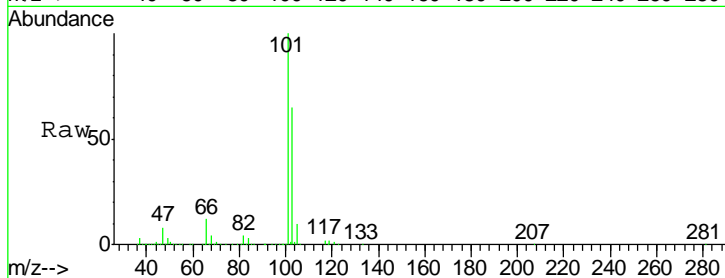
#7
 Trichlorofluoromethane
 Concen: 123.57 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.01 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
101	100		
103	65.3	50.8	76.2

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

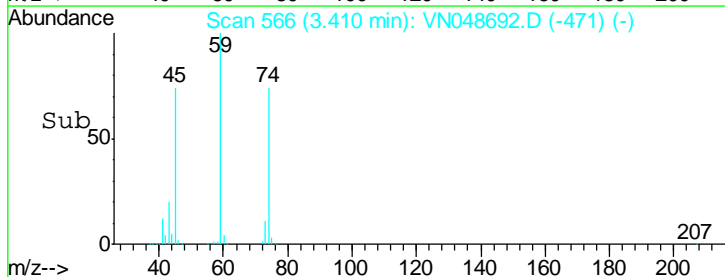
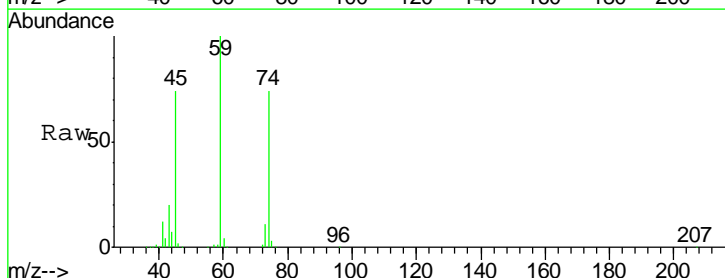
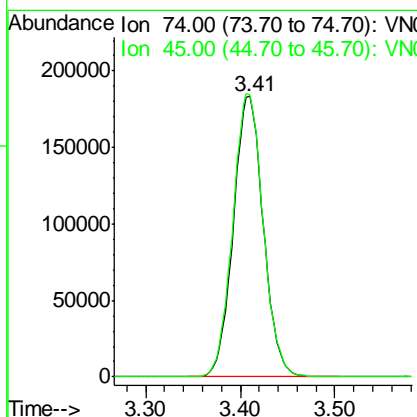
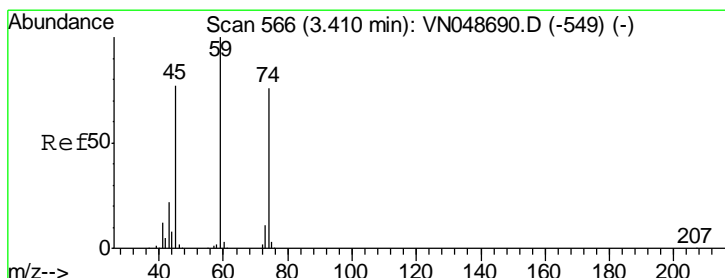
Manual Integrations
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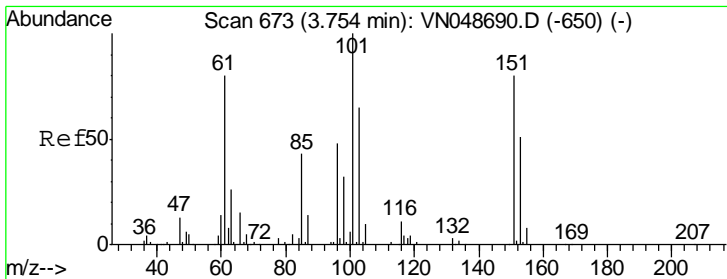
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#8
 Diethyl Ether
 Concen: 124.28 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

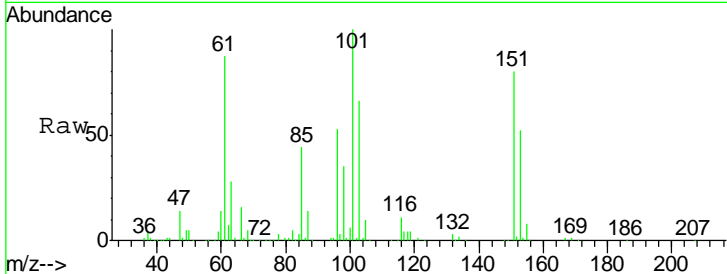
Tgt Ion	Resp	Lower	Upper
74	100		
45	102.5	50.0	150.0





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 125.35 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. 0.01 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

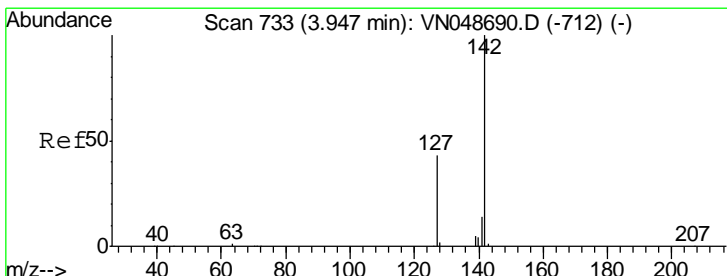
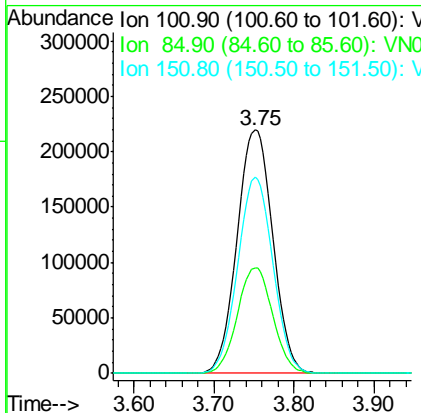
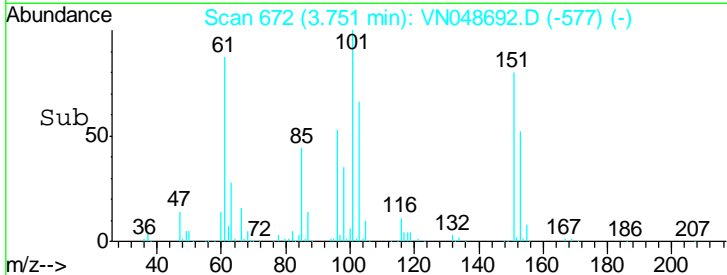
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150



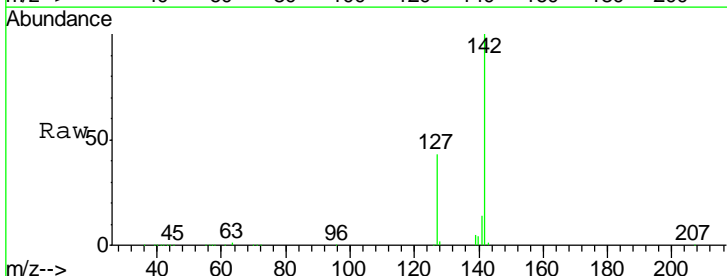
Tgt Ion	Resp	Lower	Upper
101	664766		
101	100		
85	42.9	33.3	49.9
151	79.4	66.5	99.7

Manual Integrations
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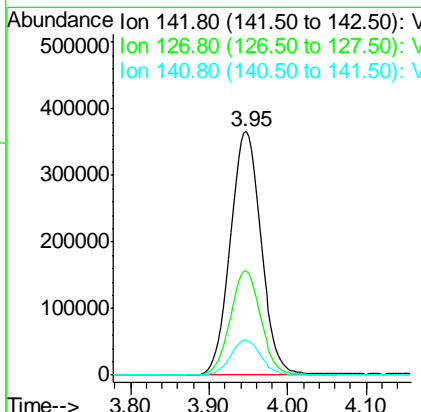
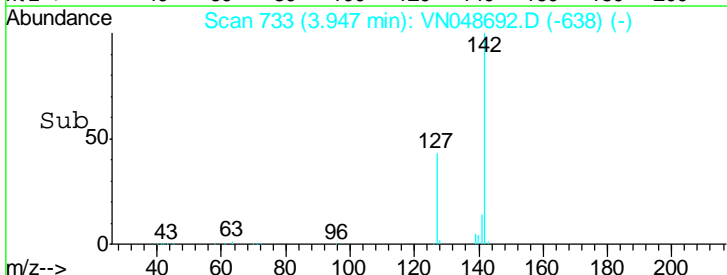
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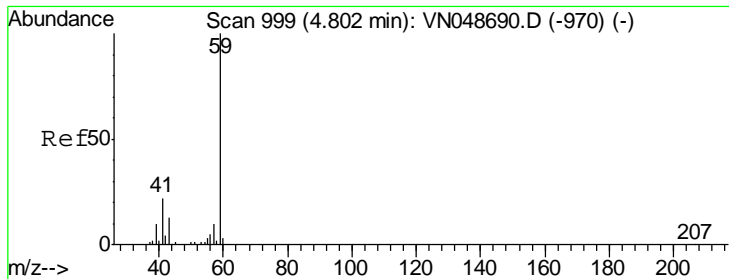


#10
 Methyl Iodide
 Concen: 127.42 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56



Tgt Ion	Resp	Lower	Upper
142	998766		
142	100		
127	42.5	32.5	48.7
141	14.2	11.3	16.9





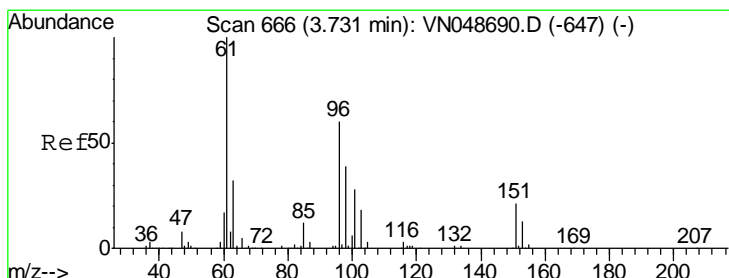
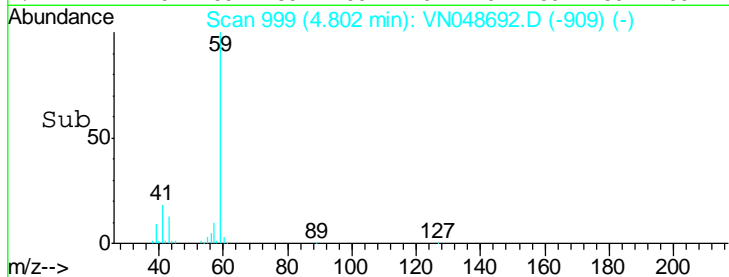
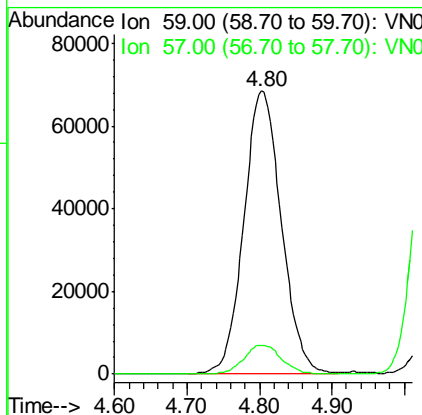
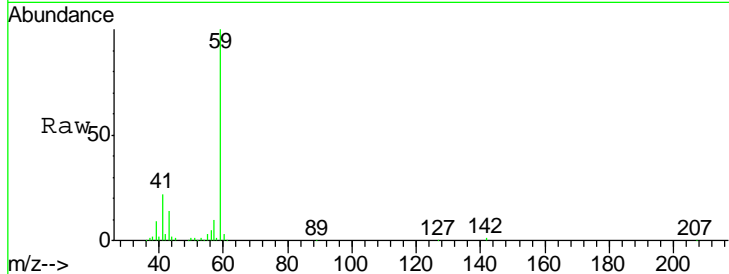
#11
 Tert butyl alcohol
 Concen: 411.56 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.3	8.1	12.1

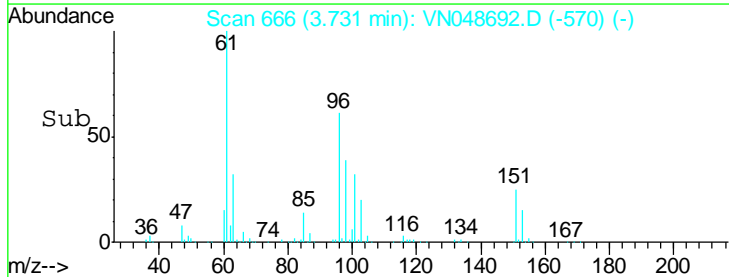
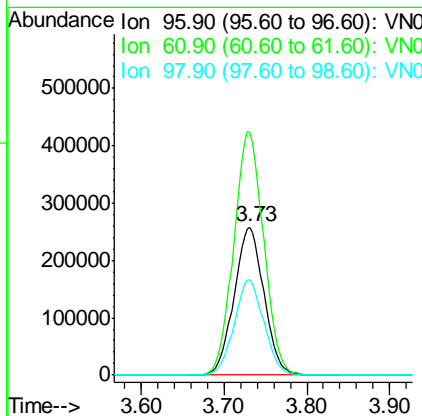
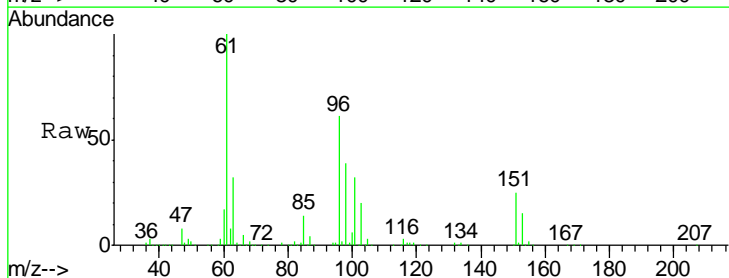
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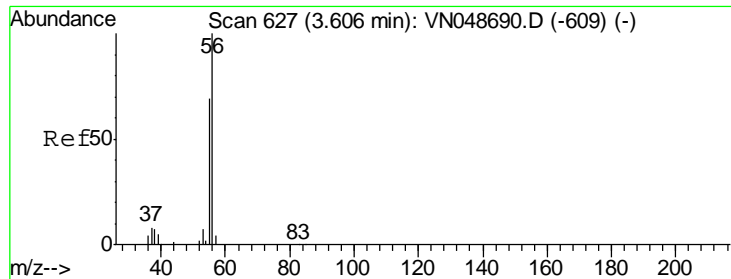
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#12
 1,1-Dichloroethene
 Concen: 131.62 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
96	100		
61	164.1	125.6	188.4
98	64.2	51.0	76.4





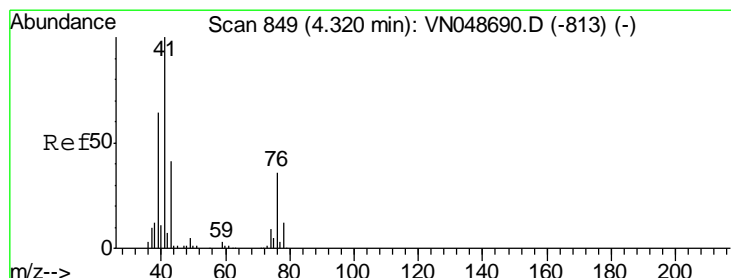
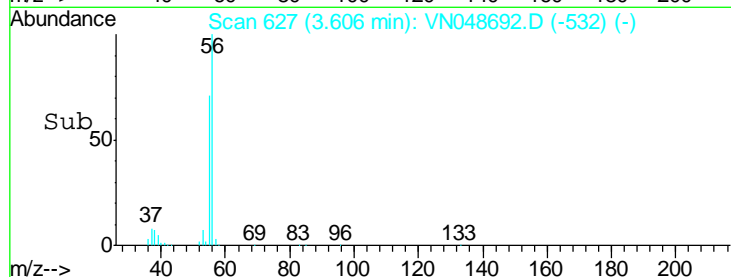
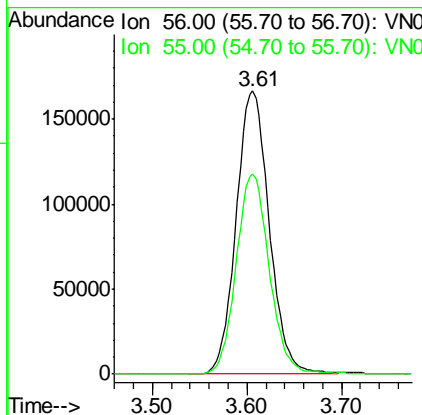
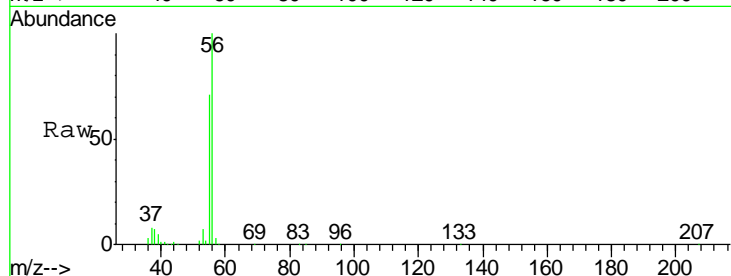
#13
 Acrolein
 Concen: 525.24 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
56	100		
55	70.2	57.1	85.7

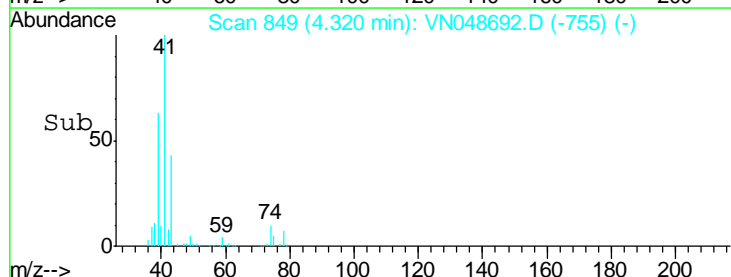
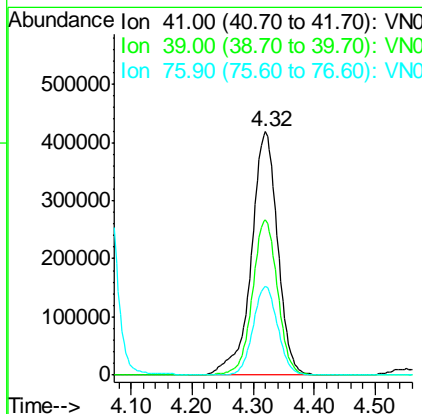
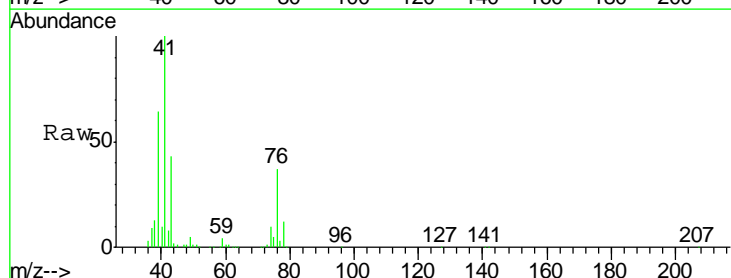
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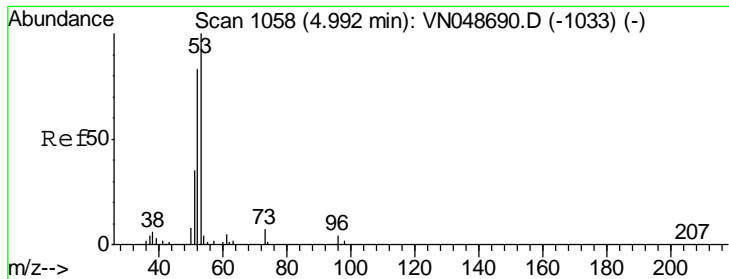
MMDadoda
 5/31/2018 11:12:38 AM



#14
 Allyl chloride
 Concen: 132.06 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
41	100		
39	60.8	51.1	76.7
76	33.9	28.2	42.2





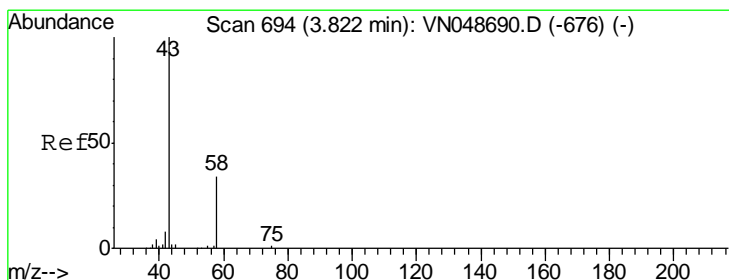
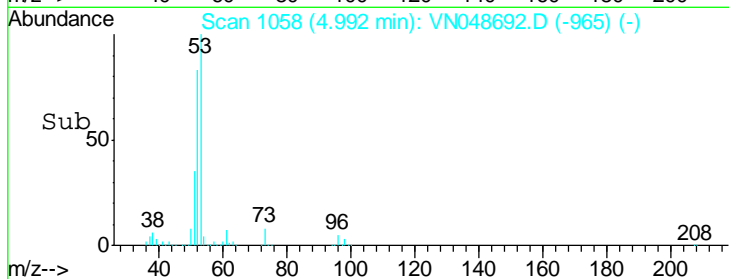
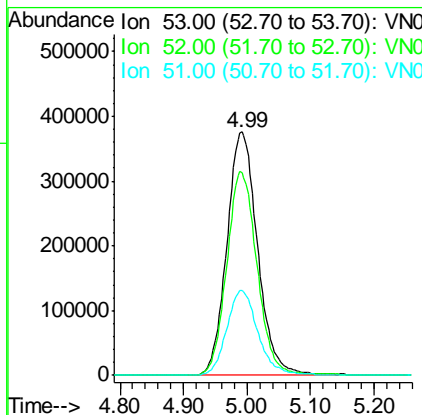
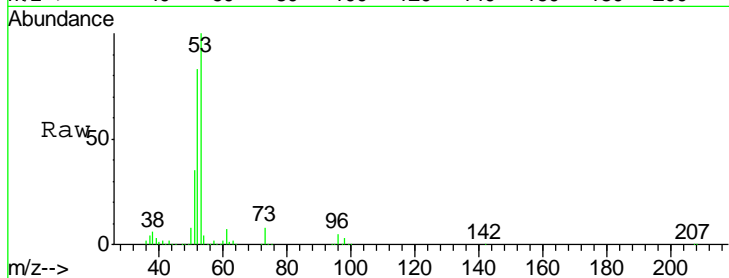
#15
 Acrylonitrile
 Concen: 518.02 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.6	65.5	98.3
51	35.6	28.8	43.2

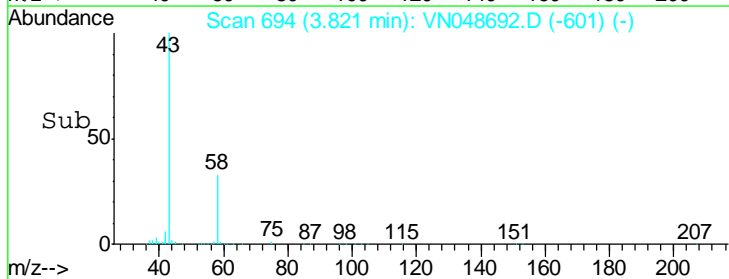
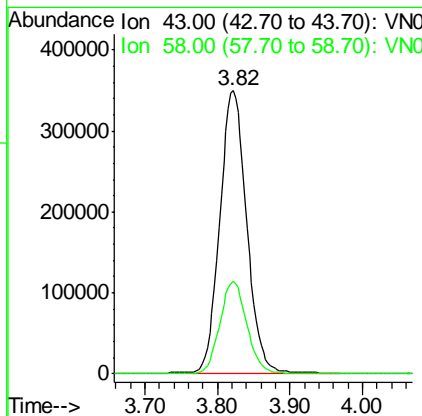
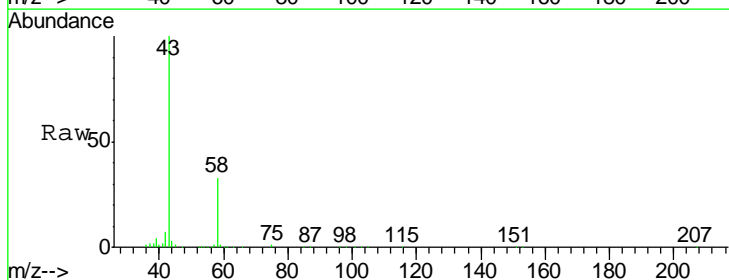
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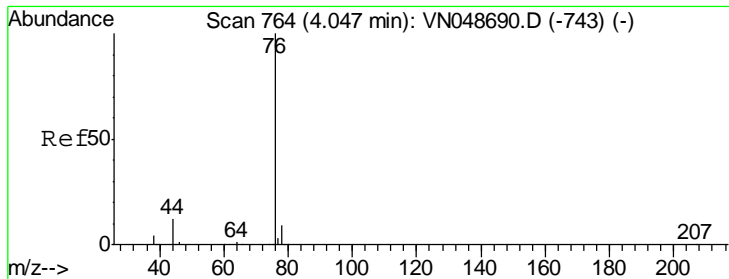
MMDadoda
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#16
 Acetone
 Concen: 379.45 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.6	25.4	38.0





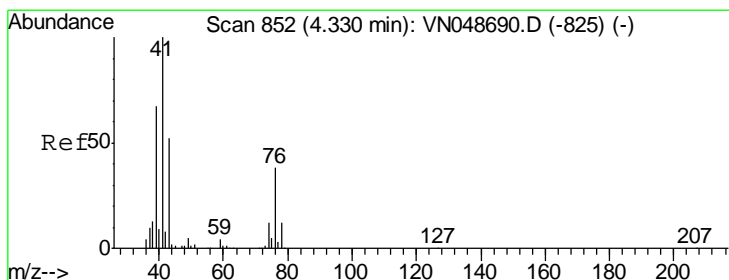
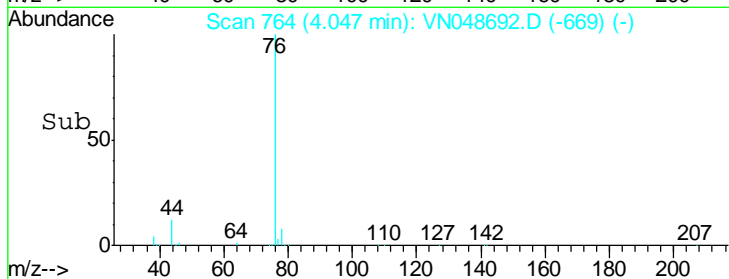
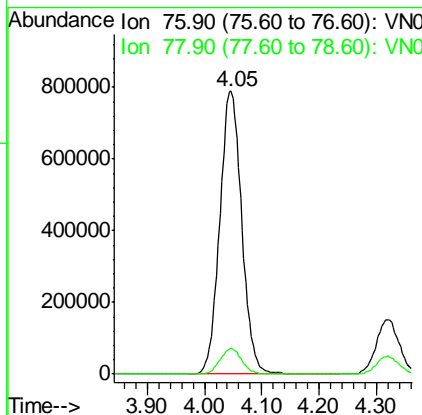
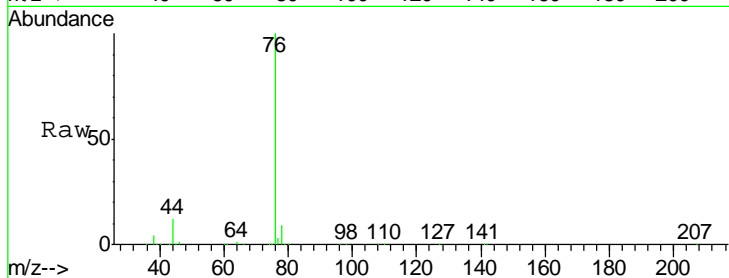
#17
 Carbon Disulfide
 Concen: 132.21 ug/l
 RT: 4.05 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
76	2101728		
76	100		
78	9.0	7.2	10.8

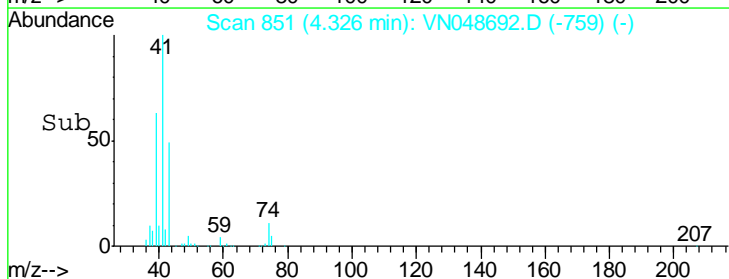
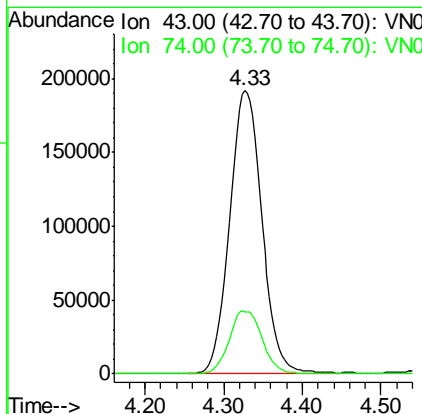
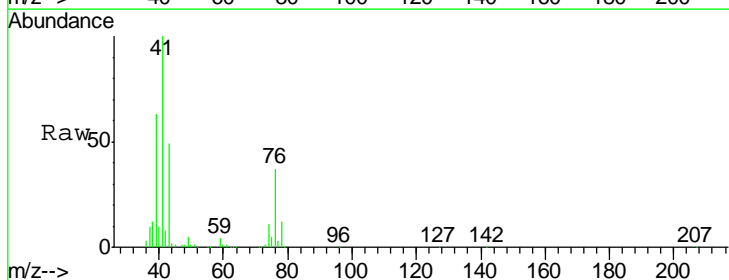
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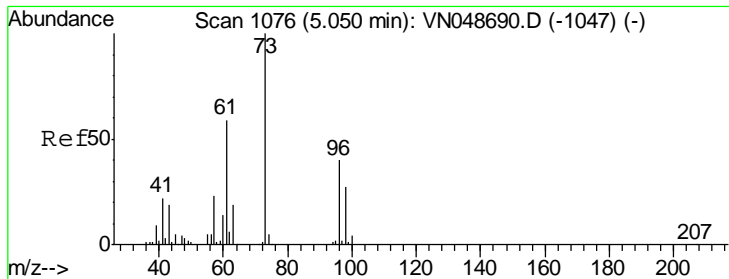
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#18
 Methyl Acetate
 Concen: 79.19 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
43	546268		
43	100		
74	22.8	18.4	27.6





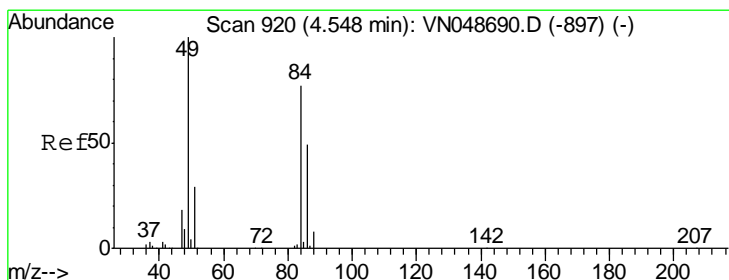
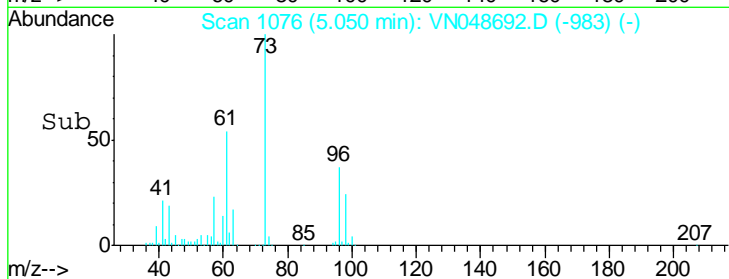
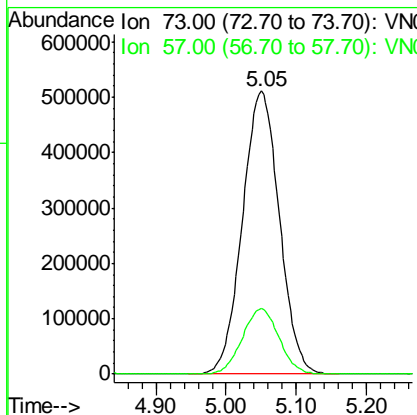
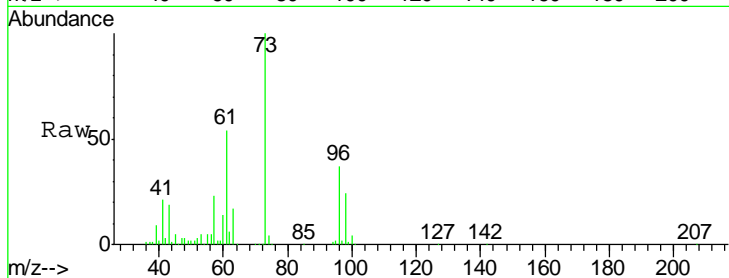
#19
 Methyl tert-butyl Ether
 Concen: 124.19 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
73	1864253		
73	100		
57	23.2	18.0	27.0

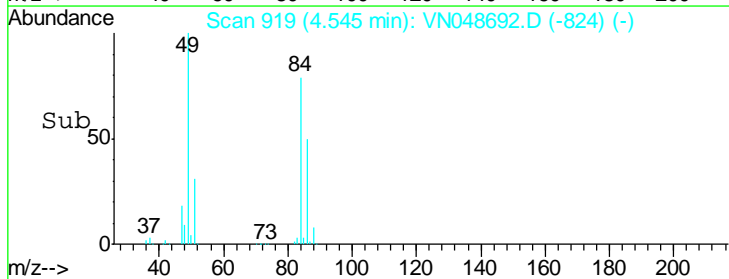
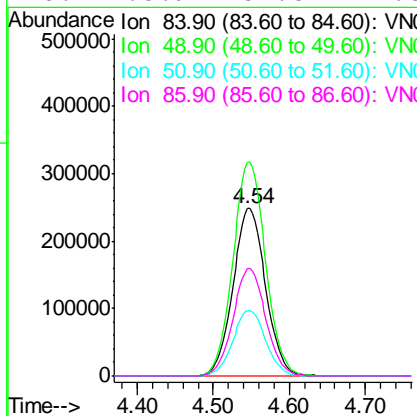
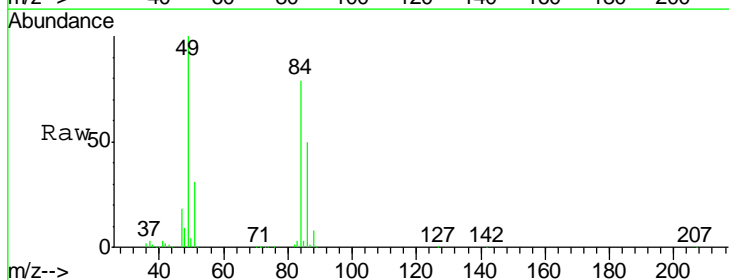
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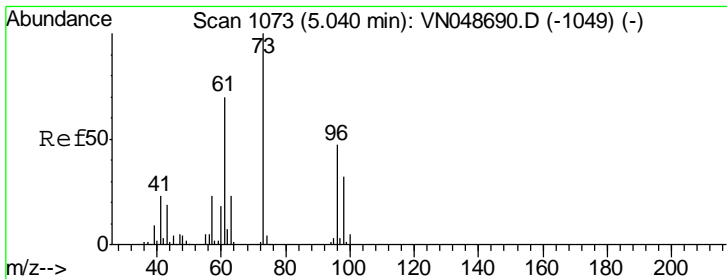
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#20
 Methylene Chloride
 Concen: 118.63 ug/l
 RT: 4.54 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

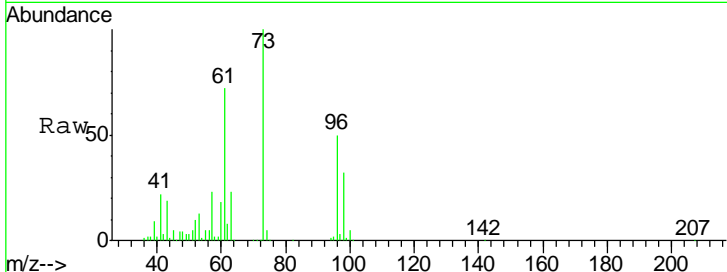
Tgt Ion	Resp	Lower	Upper
84	737808		
84	100		
49	127.4	97.7	146.5
51	39.4	30.4	45.6
86	63.9	51.8	77.8





#21
 trans-1,2-Dichloroethene
 Concen: 130.72 ug/l
 RT: 5.04 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

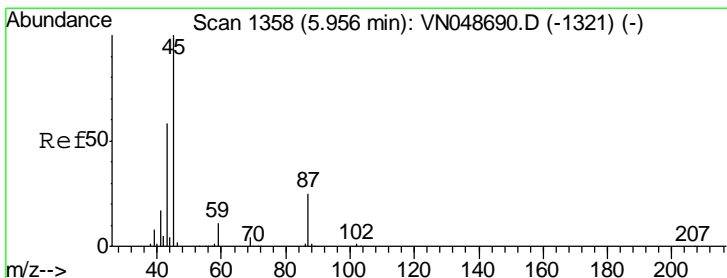
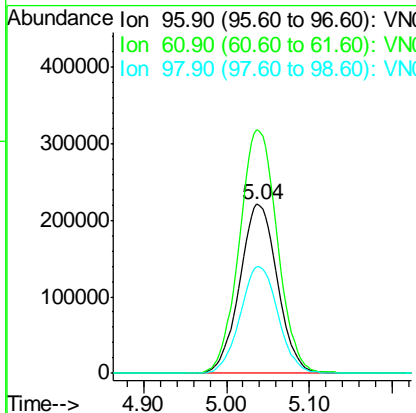
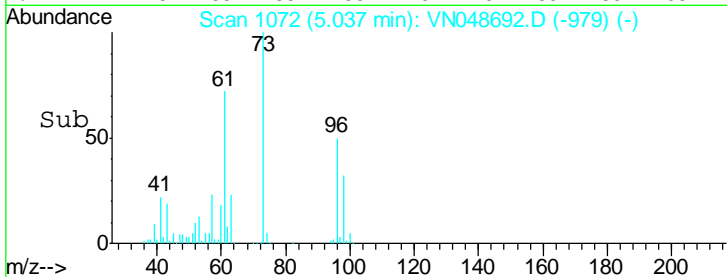
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150



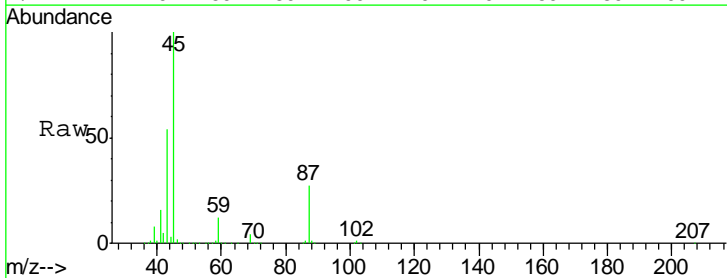
Tgt Ion: 96 Resp: 697553

Ion	Ratio	Lower	Upper
96	100		
61	144.3	112.2	168.2
98	63.4	50.5	75.7

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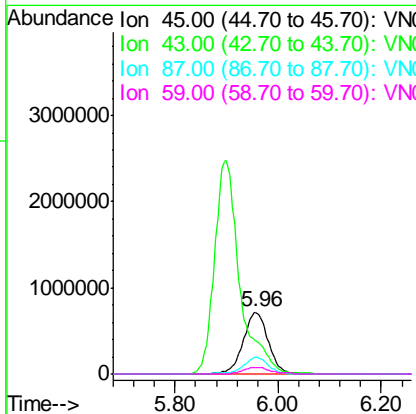
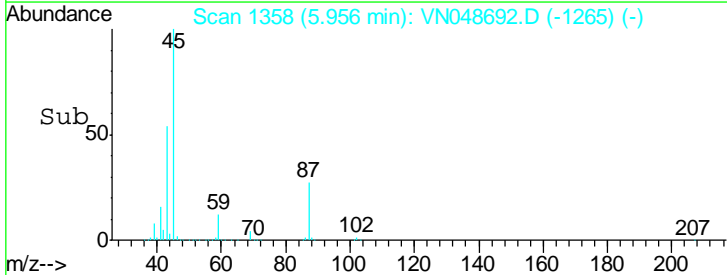


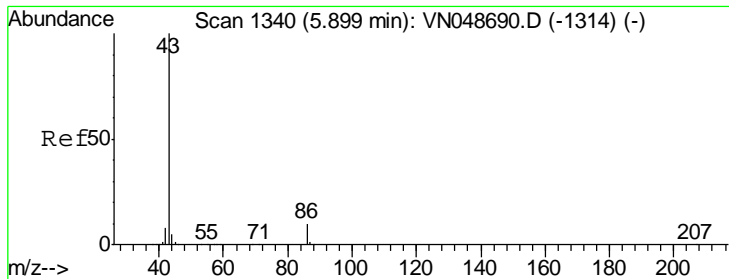
#22
 Diisopropyl ether
 Concen: 135.03 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56



Tgt Ion: 45 Resp: 2418459

Ion	Ratio	Lower	Upper
45	100		
43	54.1	43.8	65.8
87	26.7	21.8	32.6
59	11.4	9.2	13.8





#23
 Vinyl Acetate
 Concen: 656.32 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

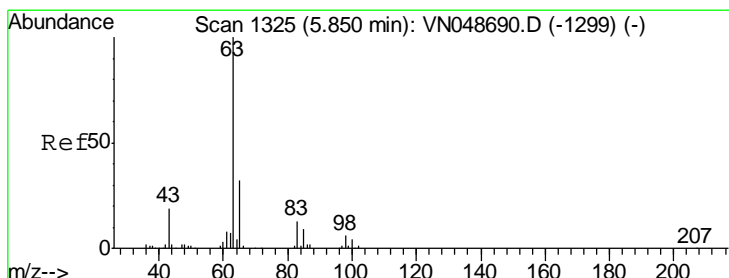
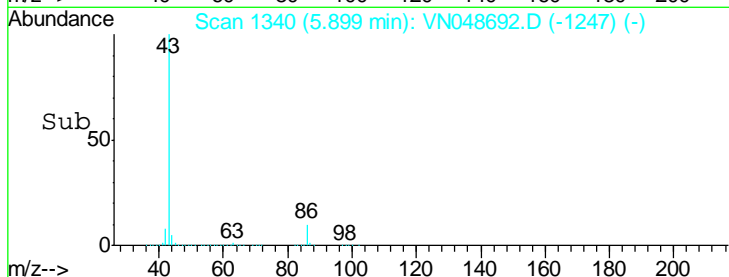
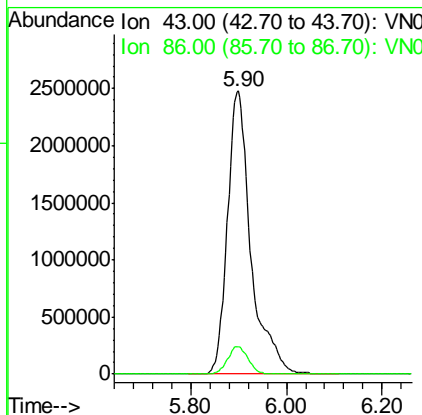
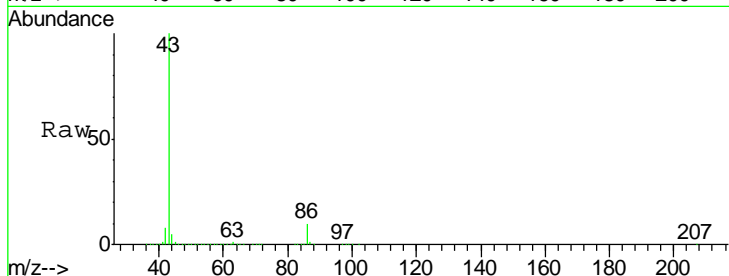
Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion: 43 Resp: 8422245

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.2	12.2

Manual Integrations
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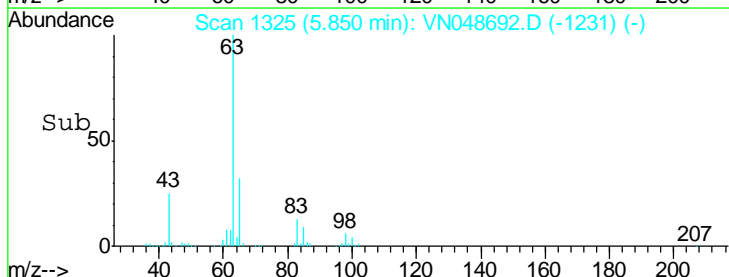
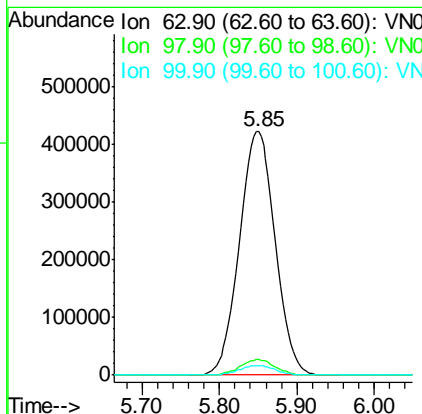
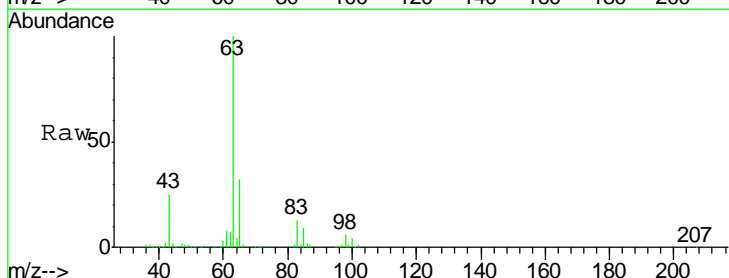
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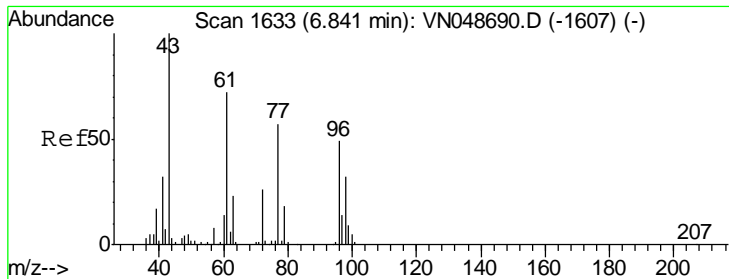


#24
 1,1-Dichloroethane
 Concen: 131.45 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion: 63 Resp: 1357714

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.2	9.6
100	4.0	2.1	6.3





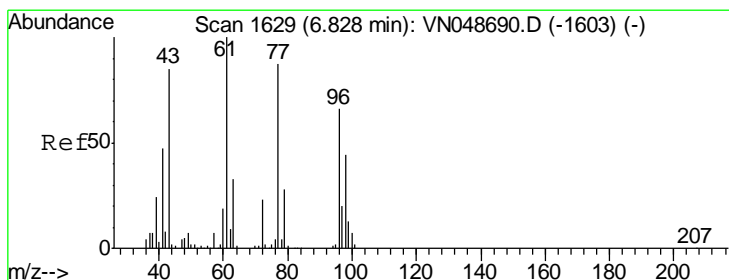
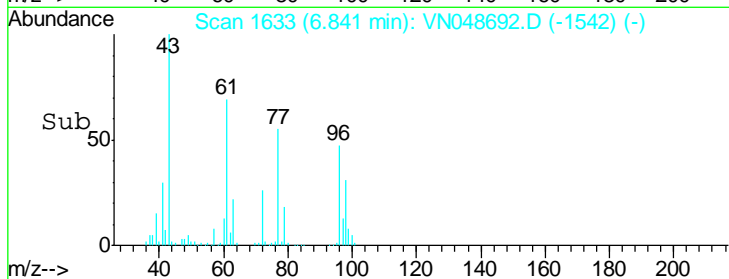
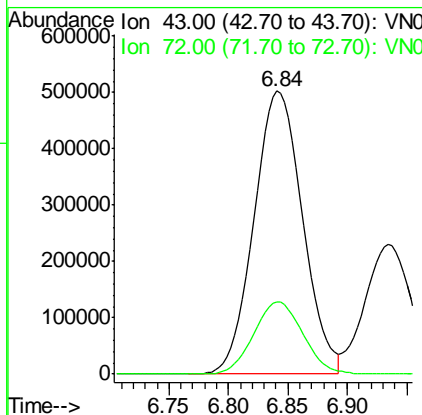
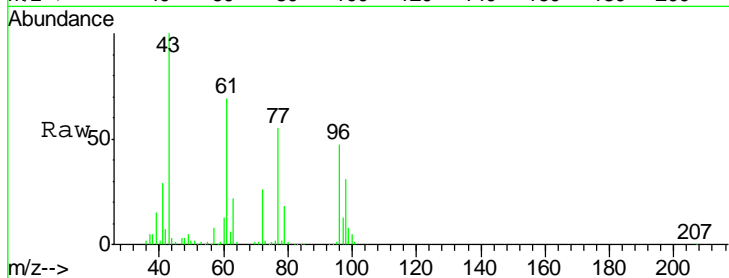
#25
 2-Butanone
 Concen: 451.40 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 43 Resp: 1419723
 Ion Ratio Lower Upper
 43 100
 72 25.7 20.8 31.2

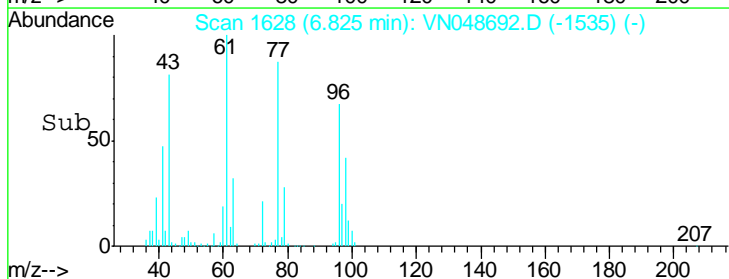
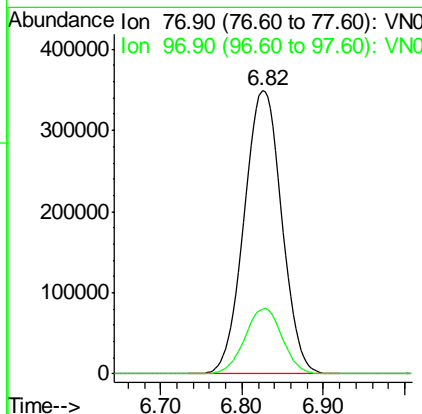
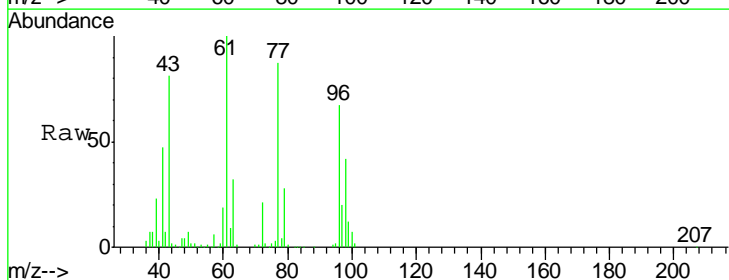
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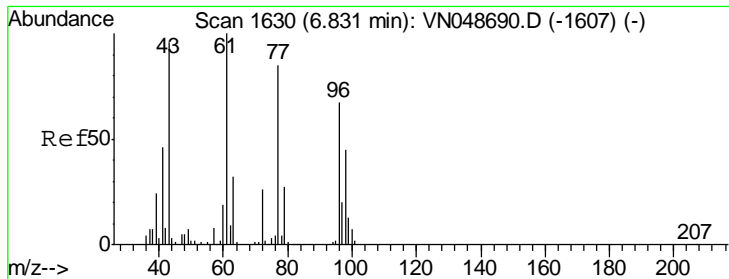
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#26
 2,2-Dichloropropane
 Concen: 131.77 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion: 77 Resp: 1112591
 Ion Ratio Lower Upper
 77 100
 97 23.0 11.9 35.5





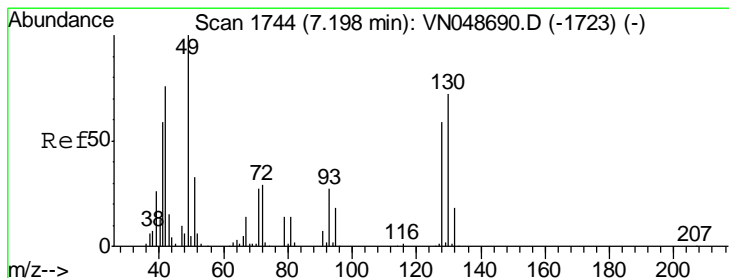
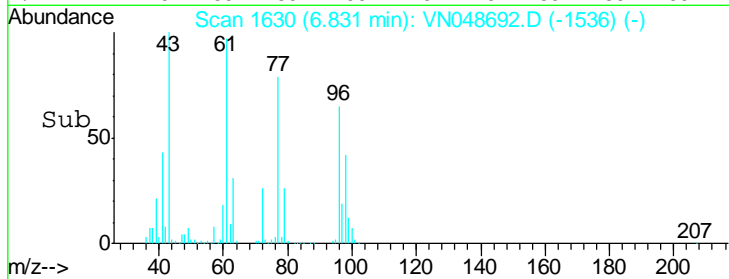
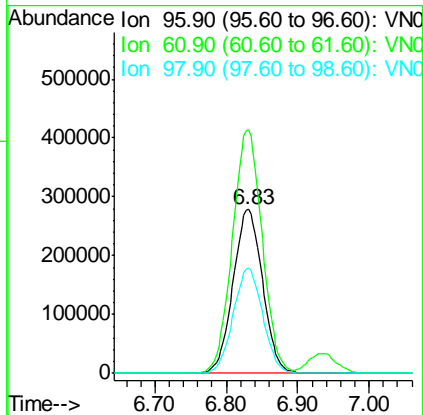
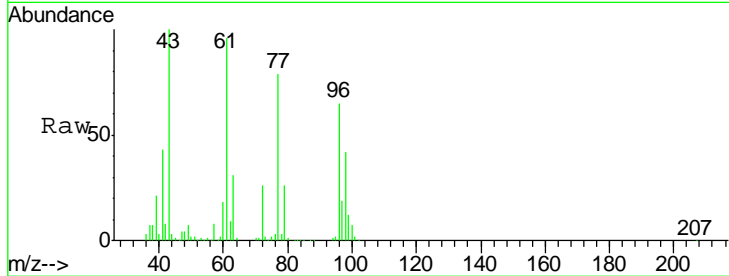
#27
 cis-1,2-Dichloroethene
 Concen: 133.68 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	804170		
96	100		
61	149.7	0.0	292.6
98	64.2	0.0	128.2

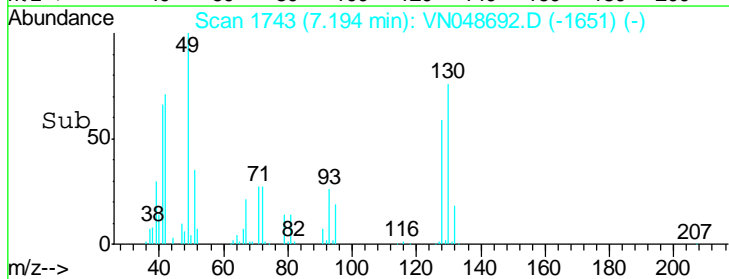
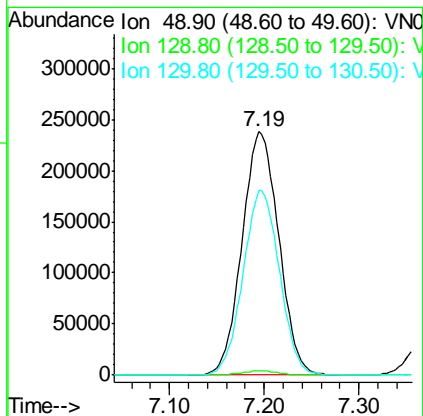
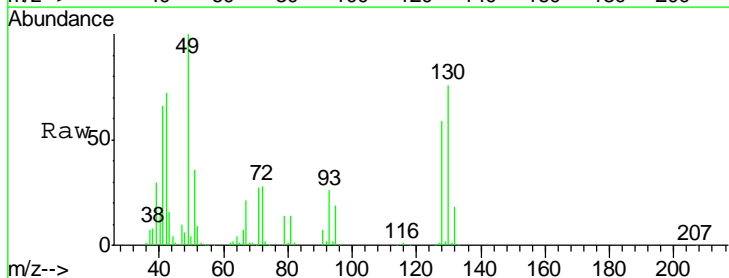
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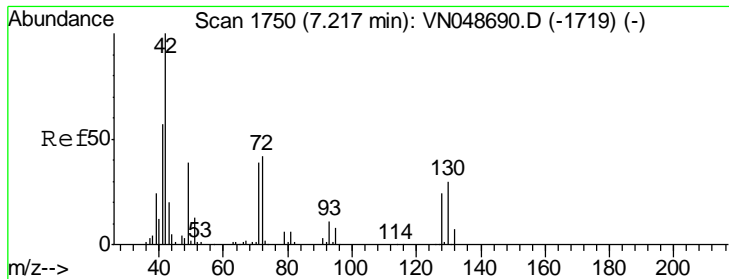
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#28
 Bromochloromethane
 Concen: 171.57 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
49	642510		
49	100		
129	1.8	0.0	3.8
130	75.4	64.2	96.2





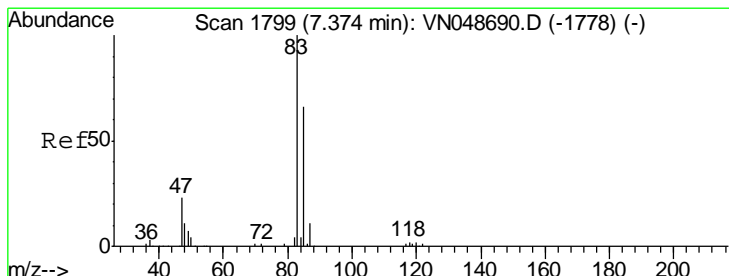
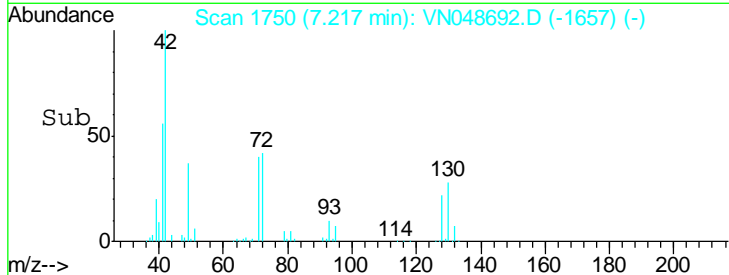
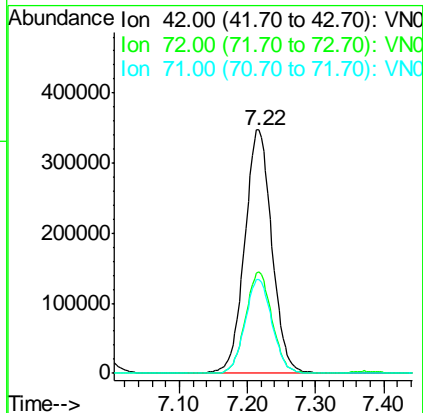
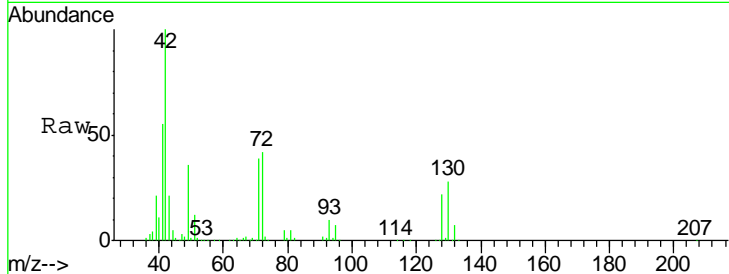
#29
 Tetrahydrofuran
 Concen: 477.86 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
42	100		
72	40.7	34.2	51.4
71	38.4	31.8	47.8

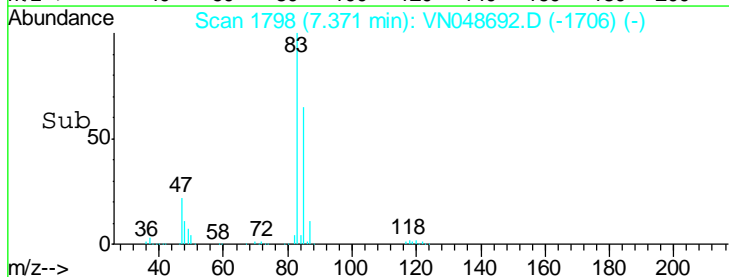
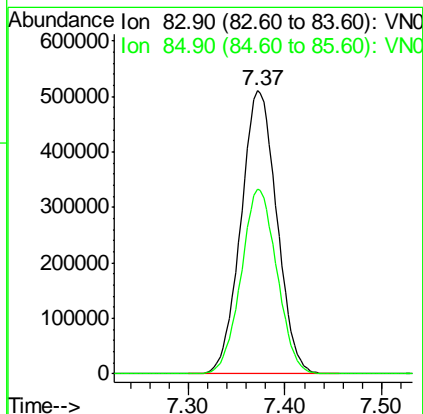
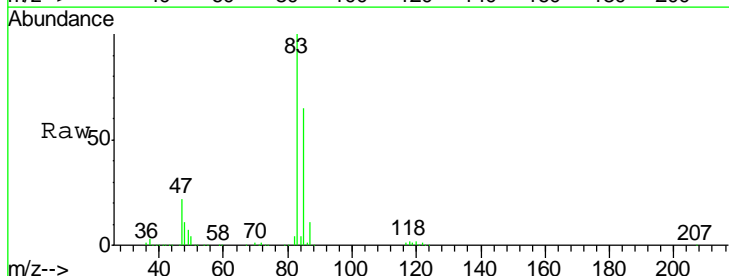
Manual Integrations
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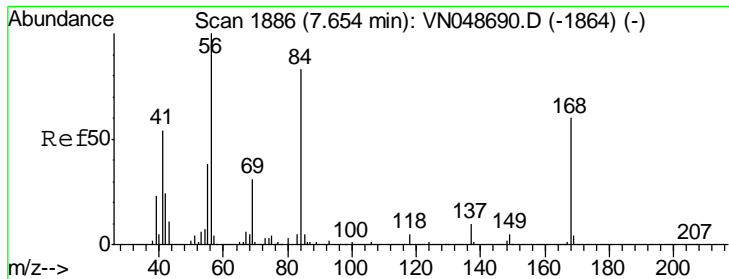
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#30
 Chloroform
 Concen: 130.25 ug/l
 RT: 7.37 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.3	51.1	76.7





#31
 Cyclohexane
 Concen: 121.76 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

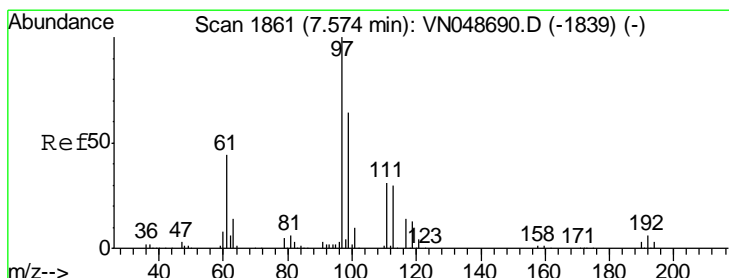
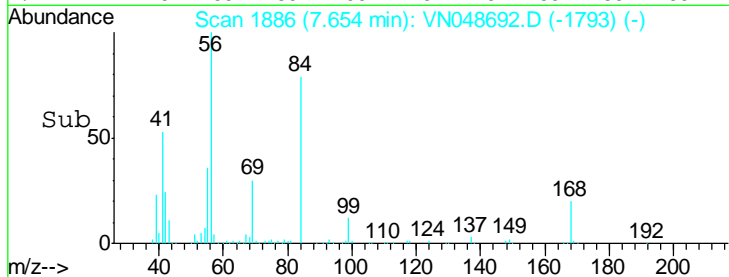
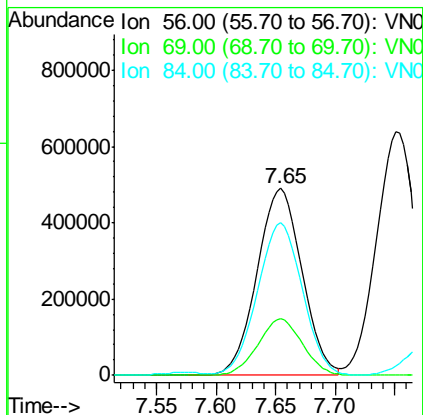
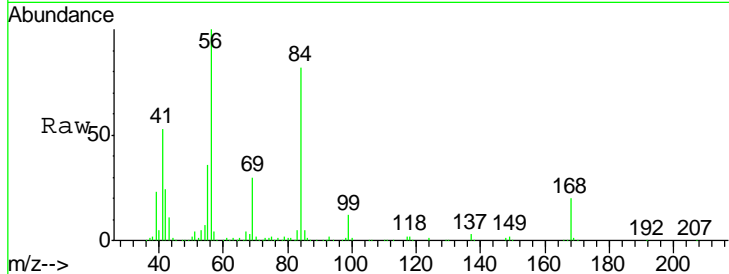
Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion: 56 Resp: 1283152

Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.6	38.4
84	80.1	67.5	101.3

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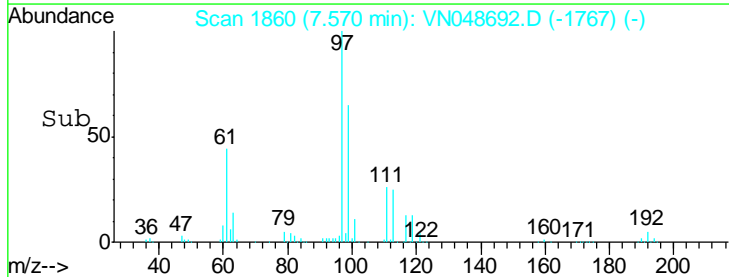
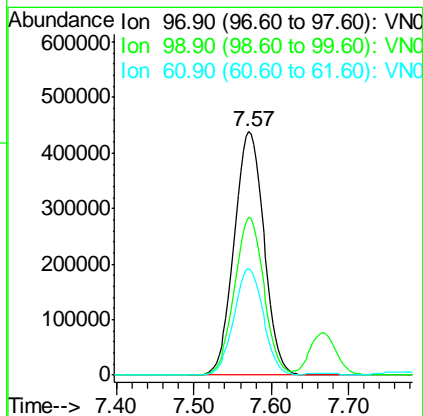
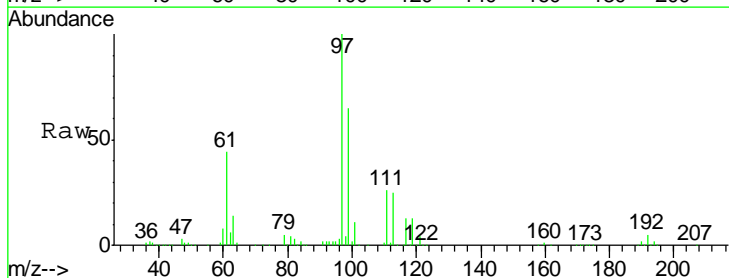
MMDadoda
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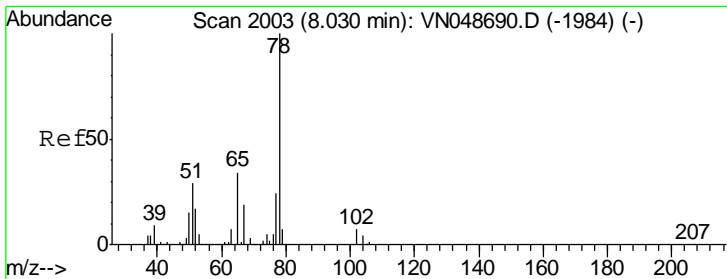


#32
 1,1,1-Trichloroethane
 Concen: 132.94 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion: 97 Resp: 1169225

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	43.2	34.2	51.2





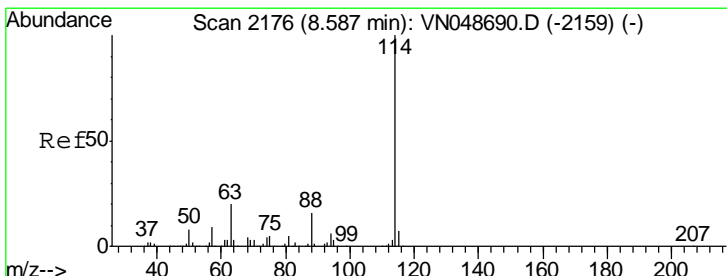
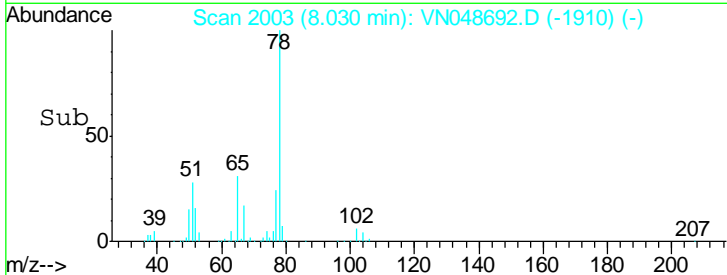
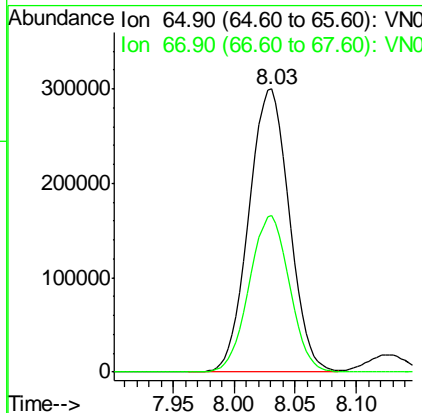
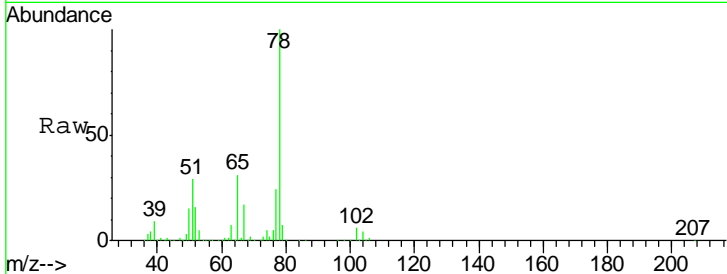
#33
 1,2-Dichloroethane-d4
 Concen: 106.20 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	108.4

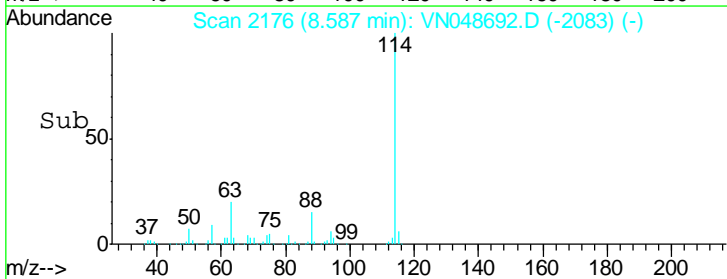
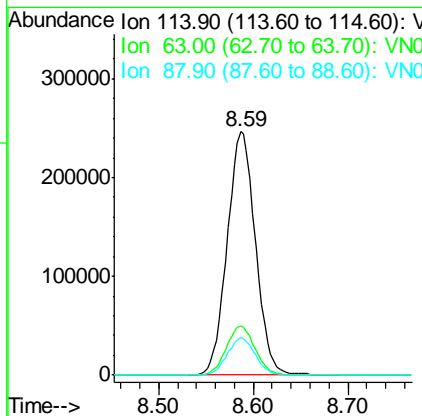
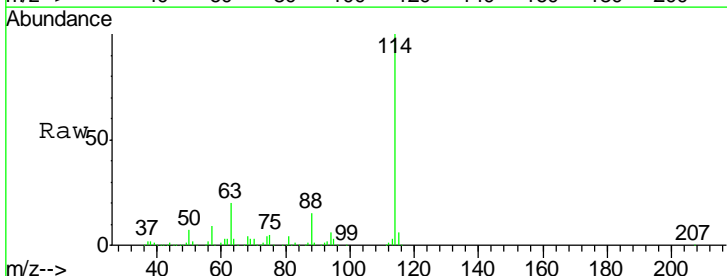
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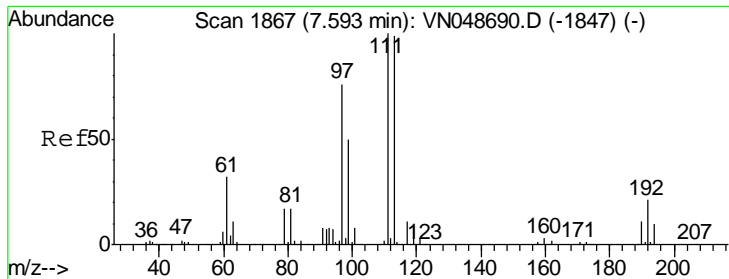
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.0
88	15.2	0.0	31.0





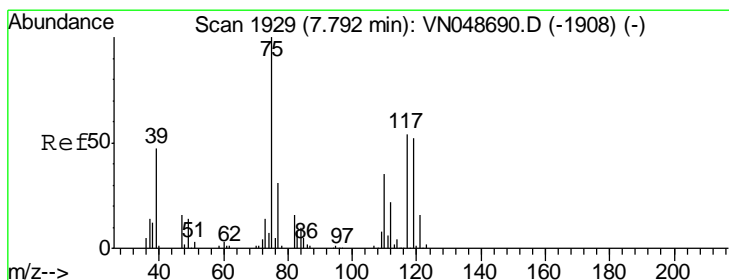
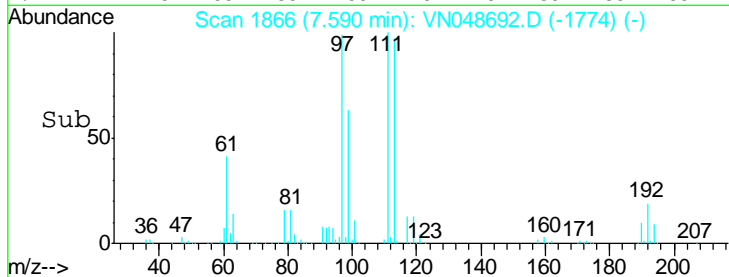
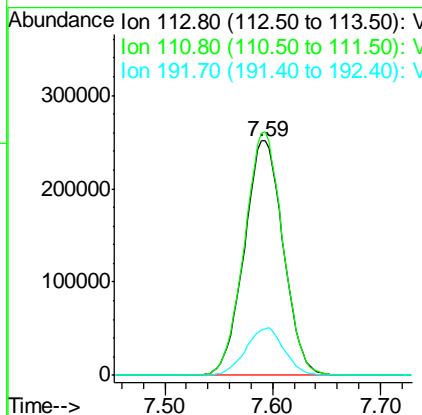
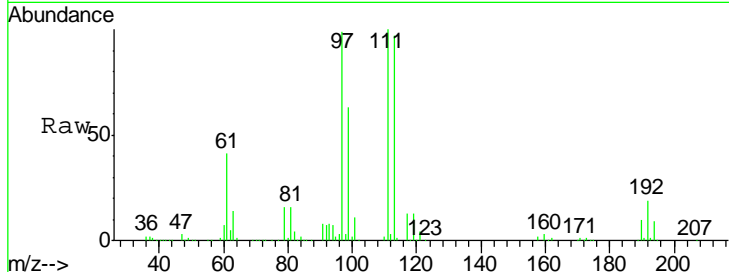
#35
 Dibromofluoromethane
 Concen: 117.41 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	20.0	17.6	26.4

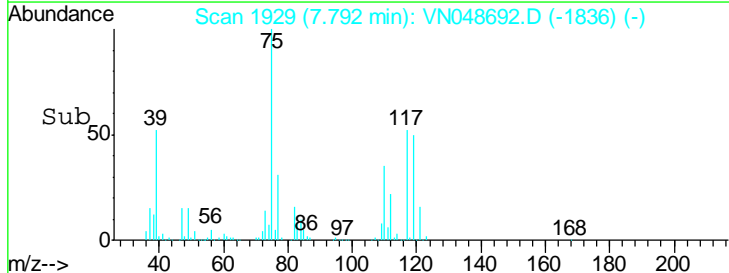
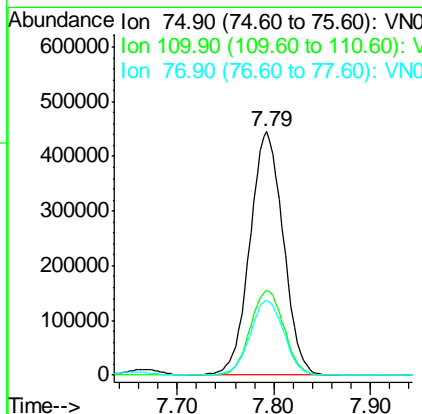
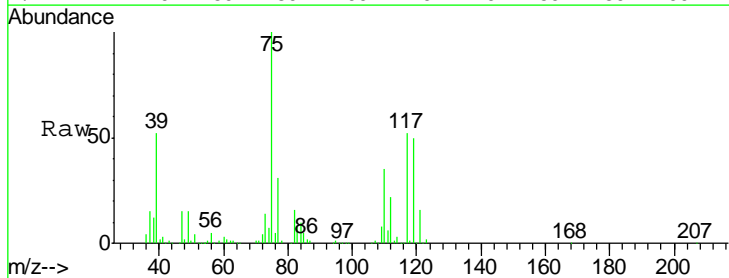
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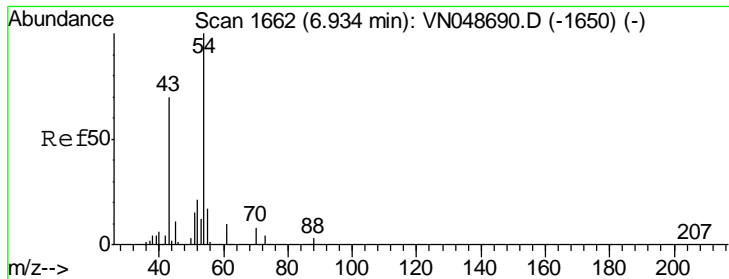
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#36
 1,1-Dichloropropene
 Concen: 141.60 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
75	100		
110	35.1	18.4	55.0
77	31.2	25.0	37.4





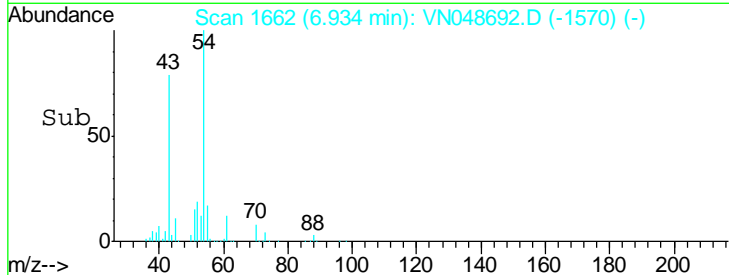
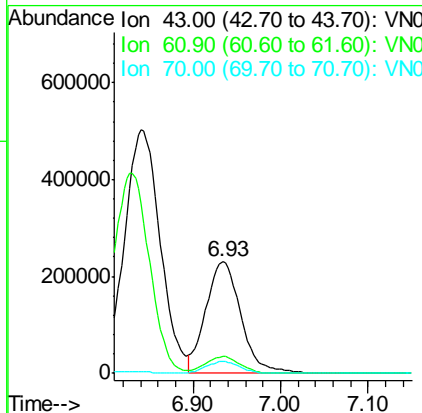
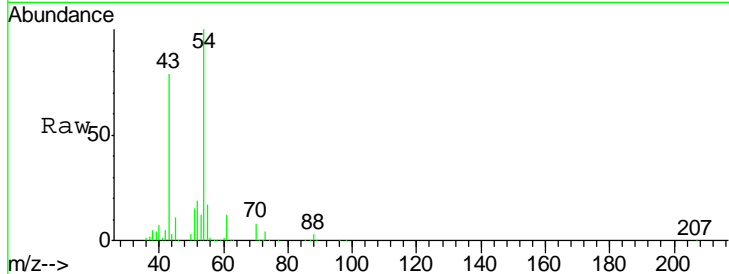
#37
 Ethyl Acetate
 Concen: 101.84 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.8	11.4	17.2
70	10.2	8.6	12.8

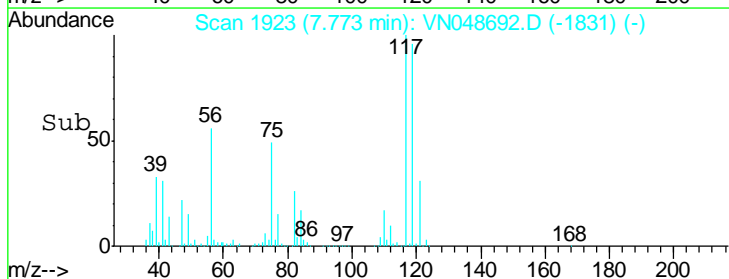
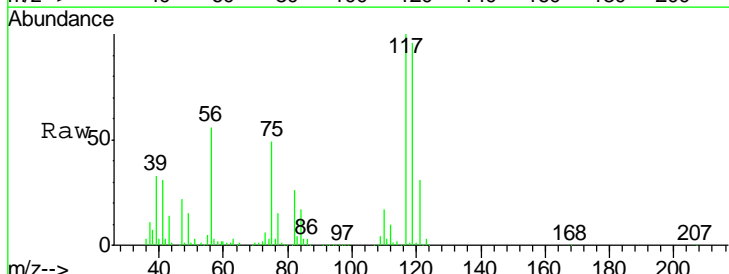
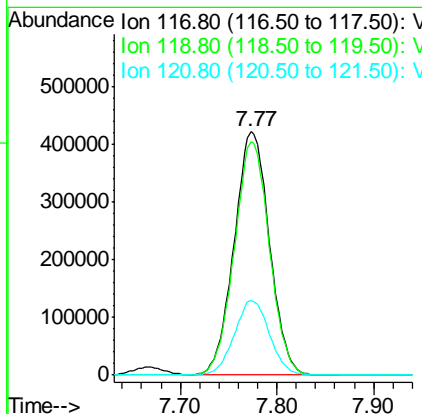
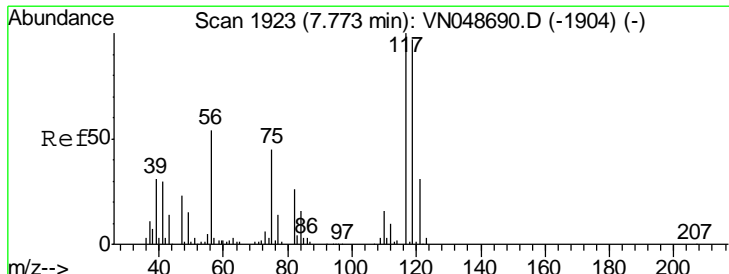
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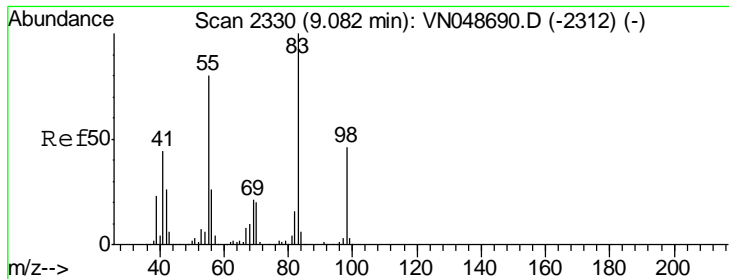
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#38
 Carbon Tetrachloride
 Concen: 137.87 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
117	100		
119	96.0	78.0	117.0
121	30.7	24.5	36.7





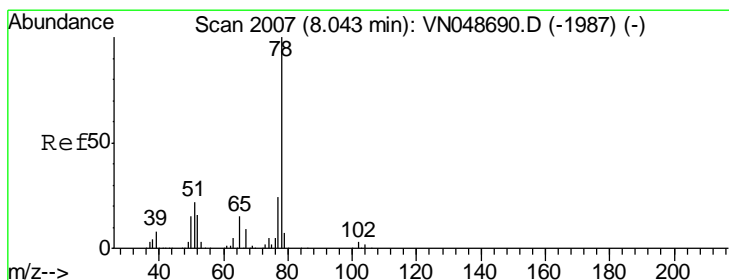
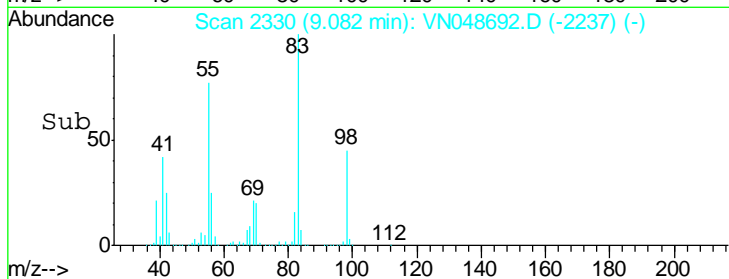
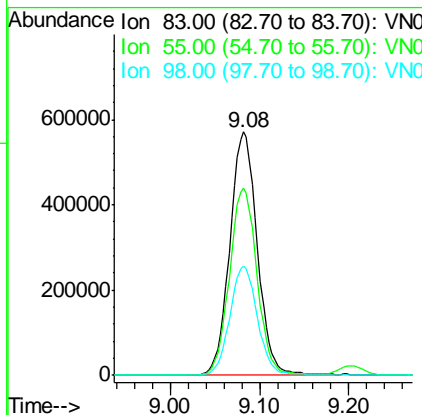
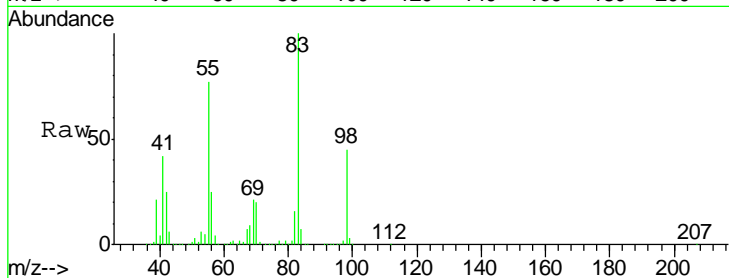
#39
 Methylcyclohexane
 Concen: 146.62 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	1217952		
83	100		
55	76.9	61.7	92.5
98	45.0	36.8	55.2

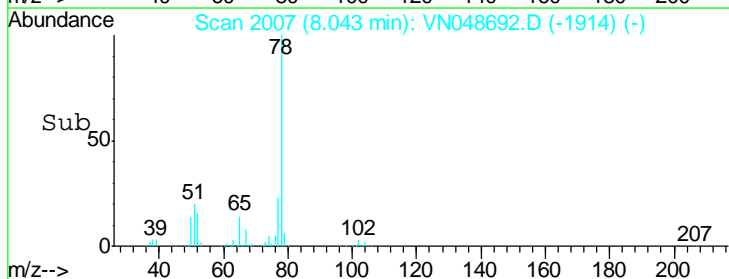
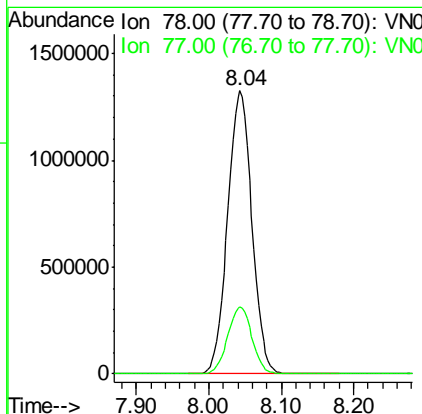
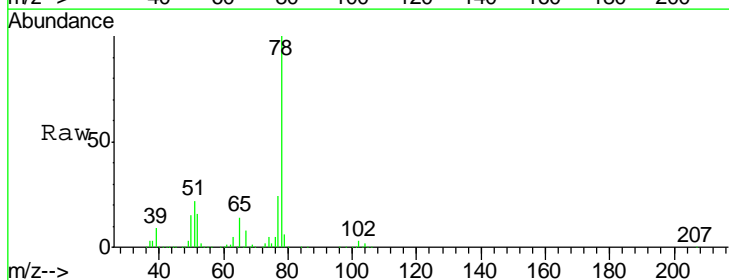
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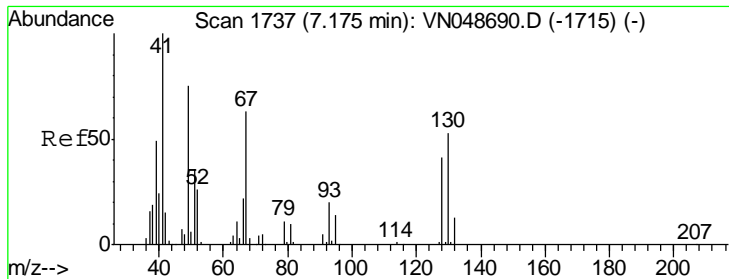
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#40
 Benzene
 Concen: 137.32 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
78	3084378		
78	100		
77	23.7	18.7	28.1





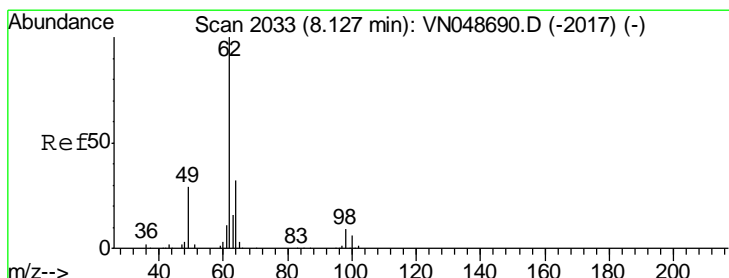
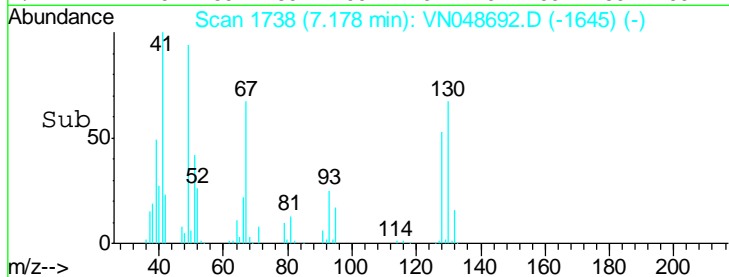
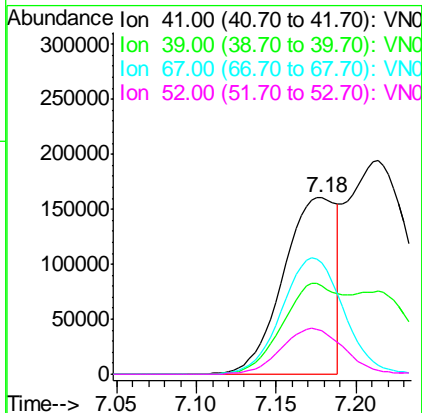
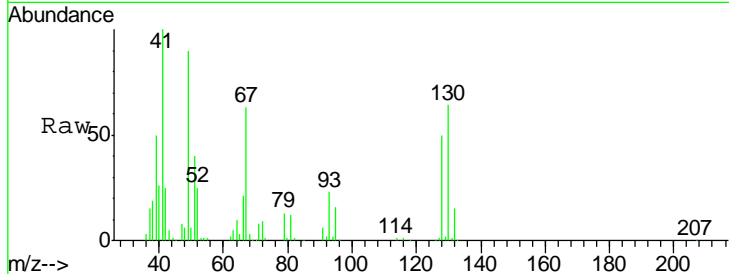
#41
 Methacrylonitrile
 Concen: 111.90 ug/l
 RT: 7.18 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
41	100		
39	58.4	47.4	71.2
67	77.6	62.4	93.6
52	30.6	25.6	38.4

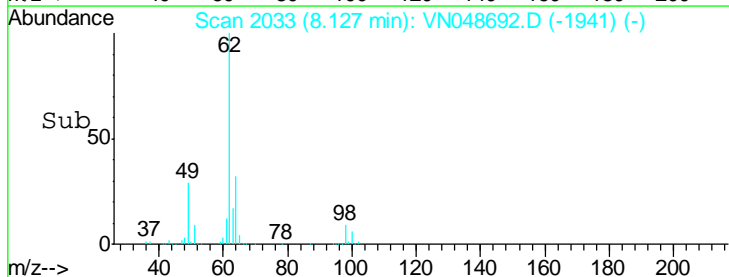
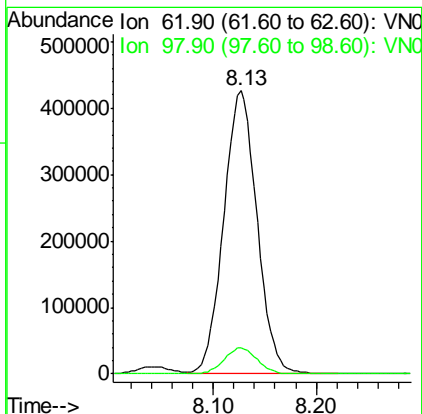
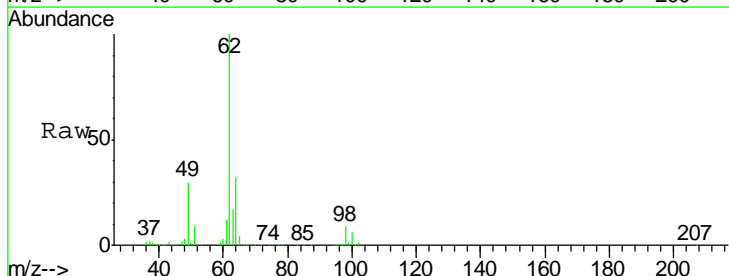
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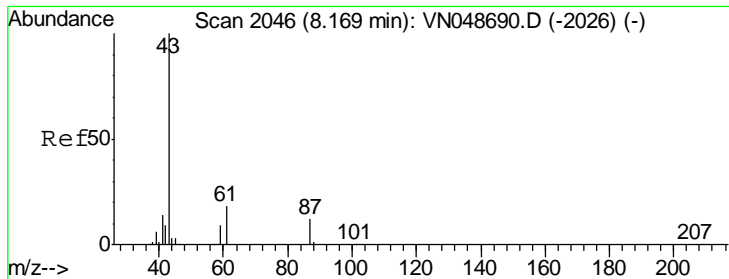
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#42
 1,2-Dichloroethane
 Concen: 130.32 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43
 Isopropyl Acetate
 Concen: 110.41 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

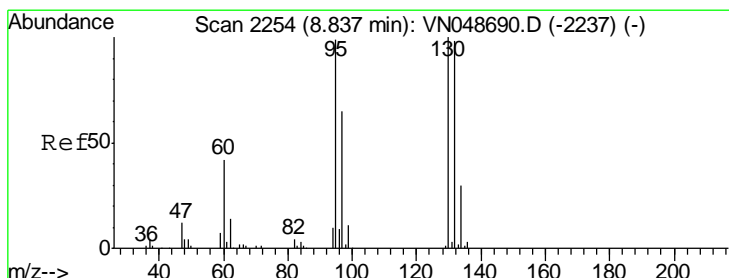
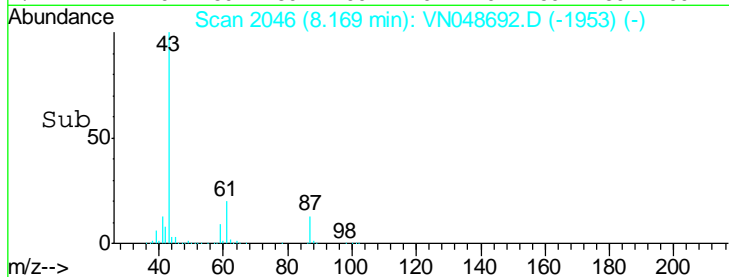
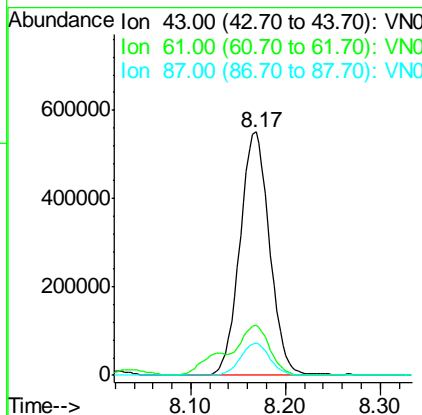
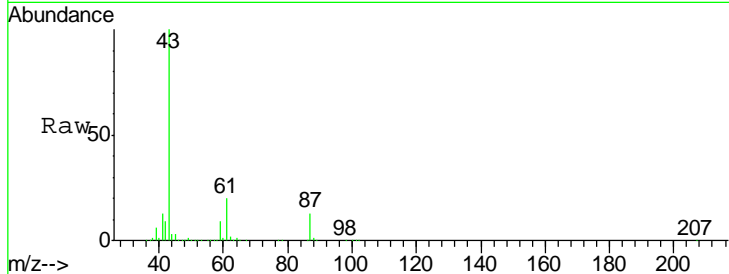
Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion: 43 Resp: 1197529

Ion	Ratio	Lower	Upper
43	100		
61	20.4	22.2	33.2#
87	13.1	10.6	15.8

Manual Integrations
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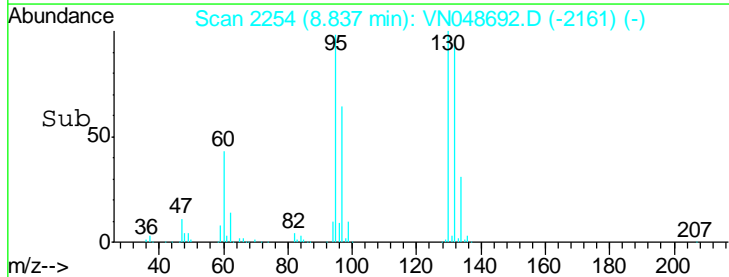
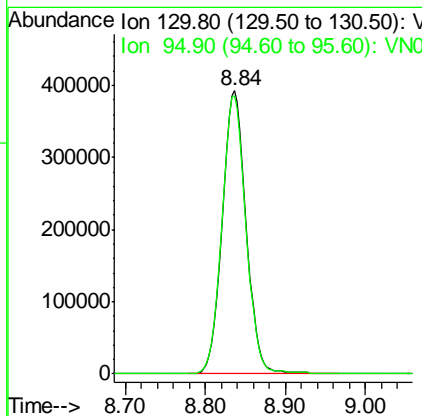
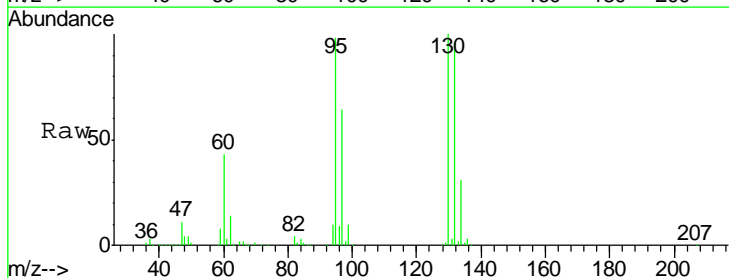
MMDadoda
 5/31/2018 11:12:38 AM

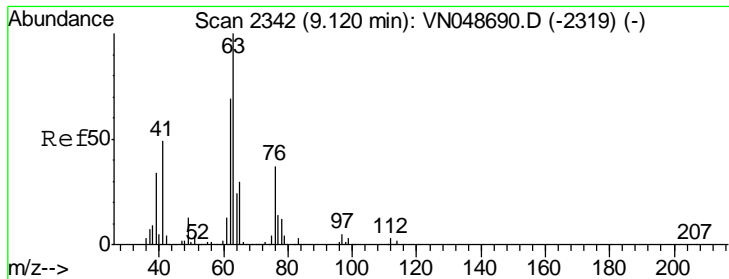


#44
 Trichloroethene
 Concen: 142.25 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion: 130 Resp: 805325

Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	191.6





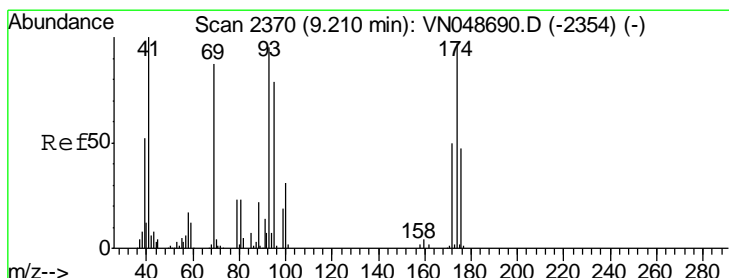
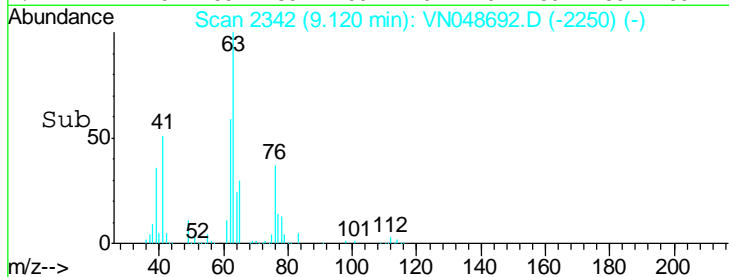
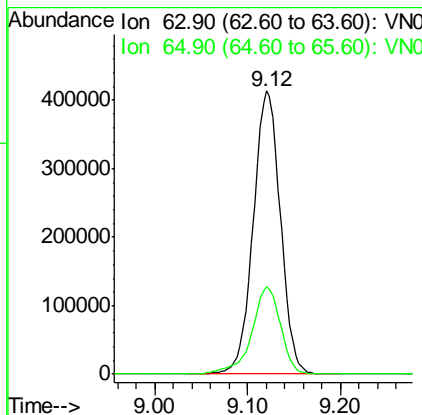
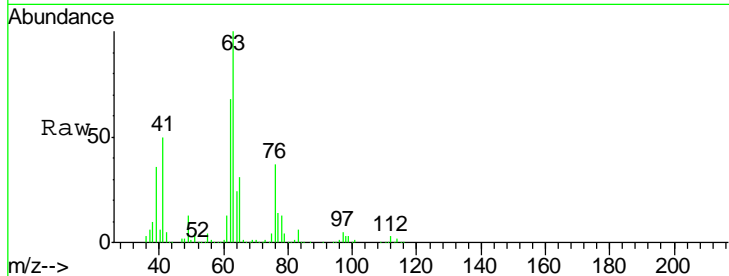
#45
 1,2-Dichloropropane
 Concen: 138.07 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.9	23.9	35.9

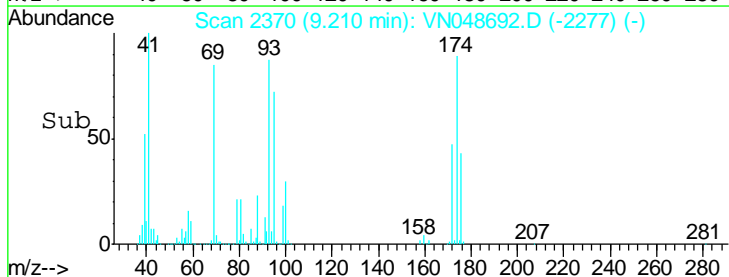
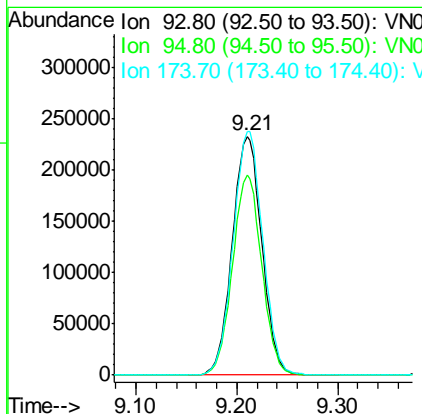
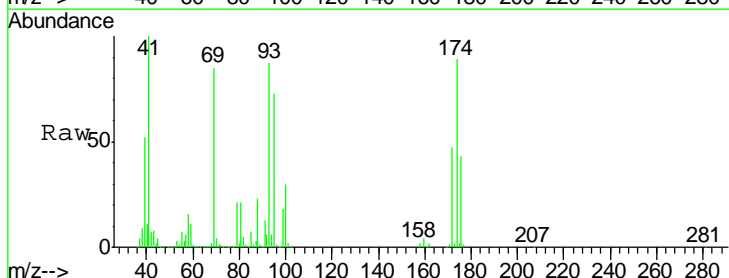
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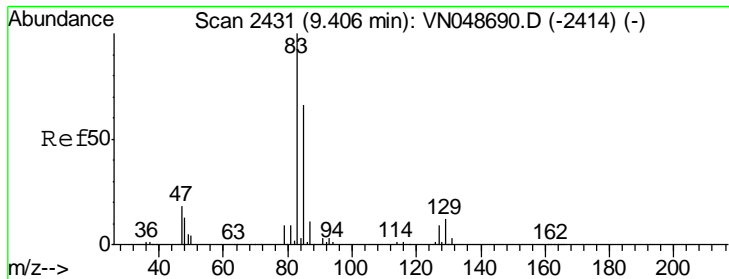
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#46
 Dibromomethane
 Concen: 126.68 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.0	66.7	100.1
174	102.2	87.7	131.5





#47
 Bromodichloromethane
 Concen: 138.67 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

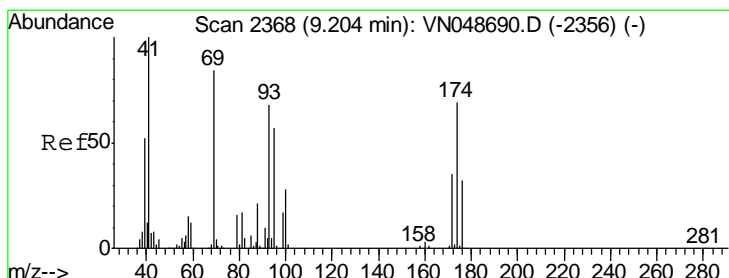
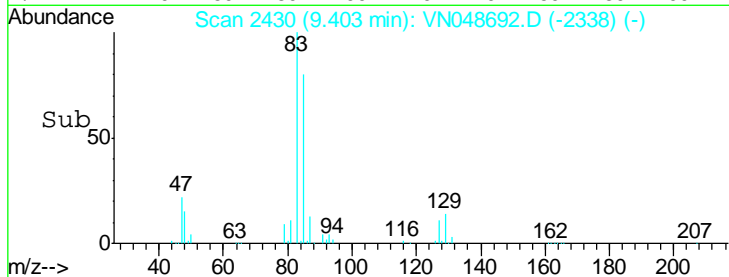
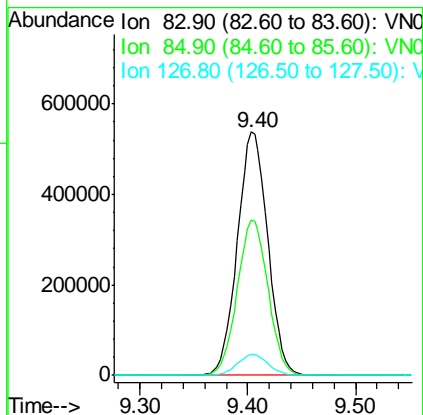
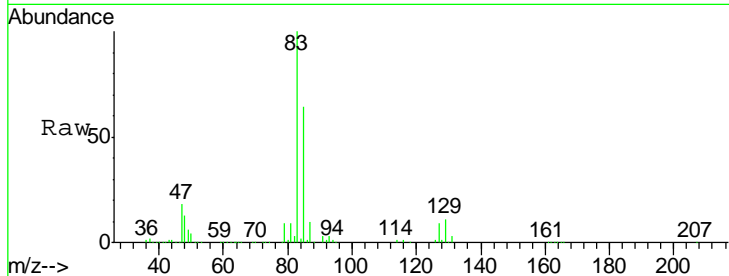
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 83 Resp: 1054847

Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.1	78.1
127	8.6	7.3	10.9

Manual Integrations
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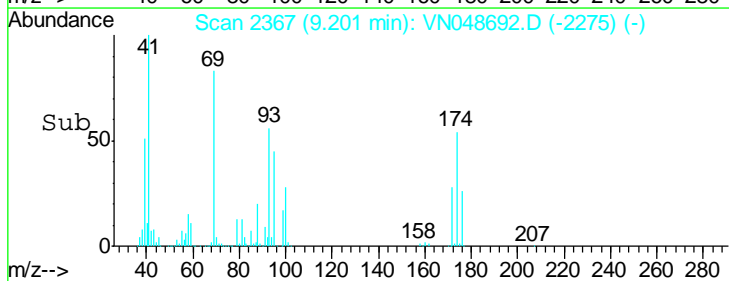
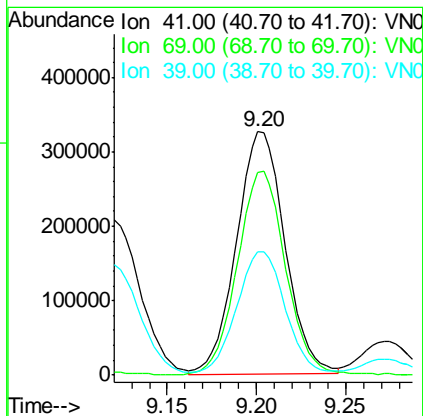
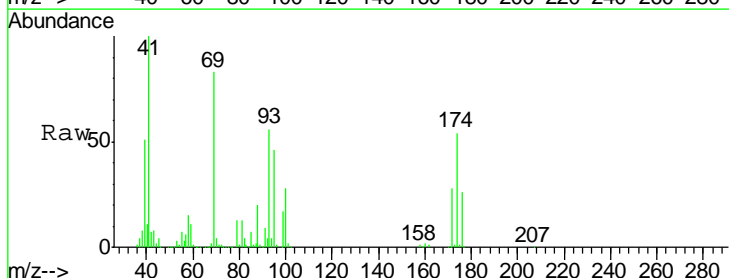
MMDadoda
 5/31/2018 11:12:38 AM

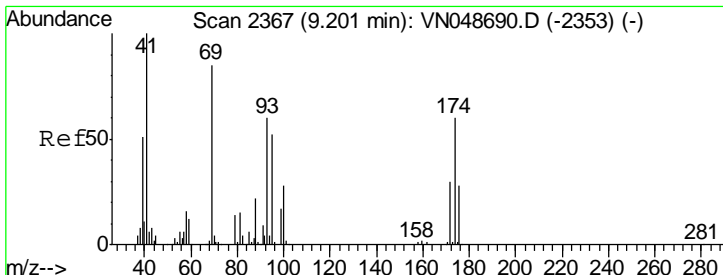


#48
 Methyl methacrylate
 Concen: 117.43 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion: 41 Resp: 618687

Ion	Ratio	Lower	Upper
41	100		
69	83.6	68.6	103.0
39	51.3	42.3	63.5





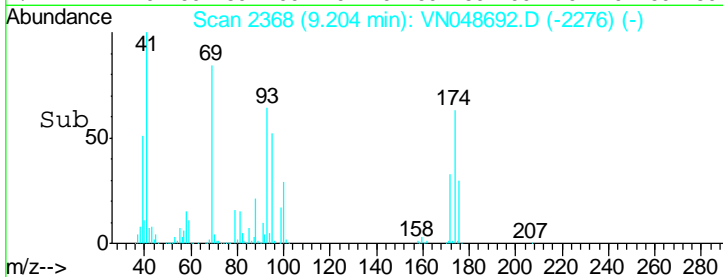
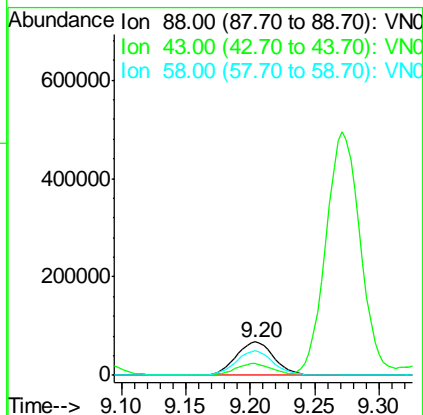
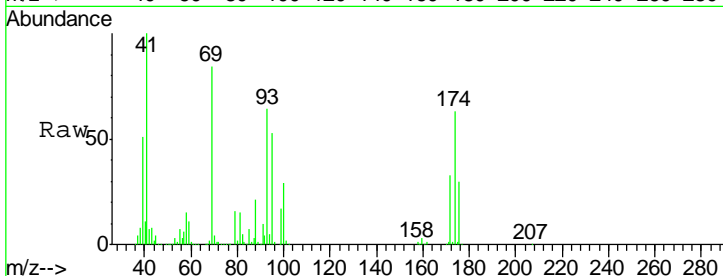
#49
 1,4-Dioxane
 Concen: 2019.84 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
88	140794		
88	100		
43	32.7	27.6	41.4
58	71.3	57.0	85.6

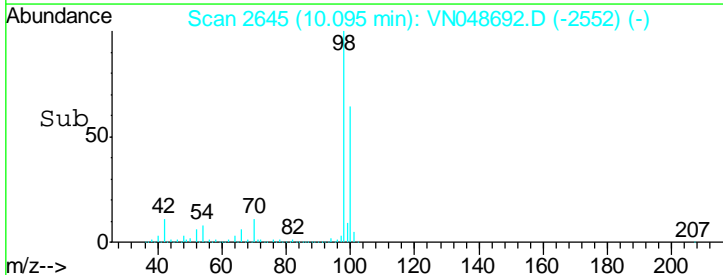
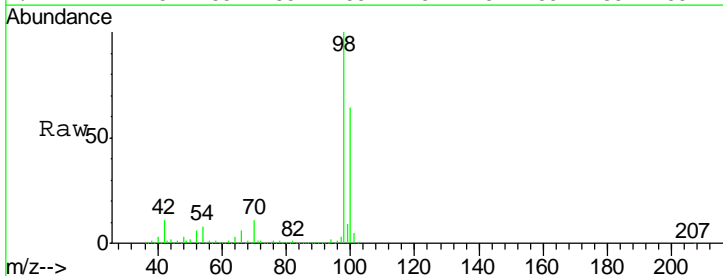
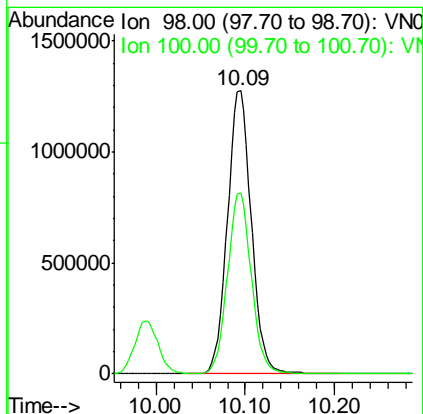
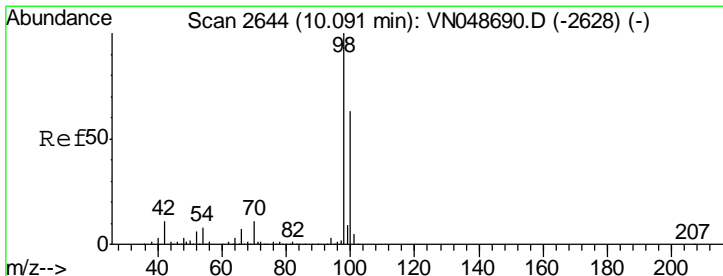
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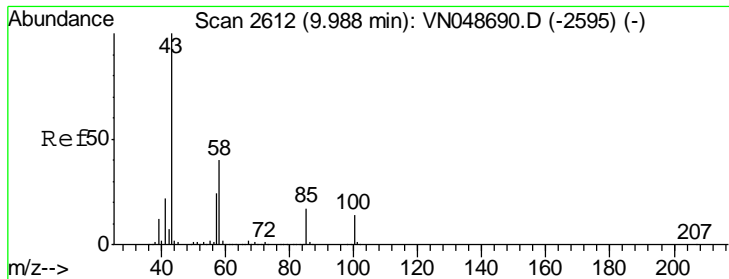
MMDadoda
 5/31/2018 11:12:38 AM



#50
 Toluene-d8
 Concen: 118.91 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
98	2370125		
98	100		
100	63.7	51.2	76.8





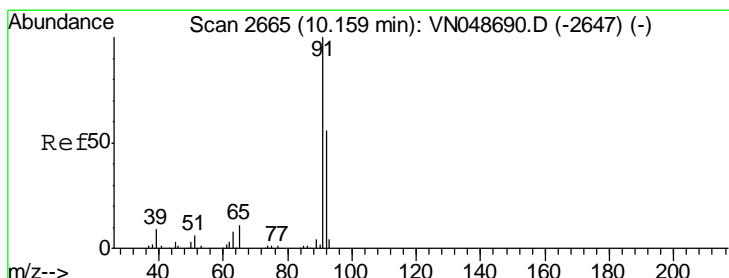
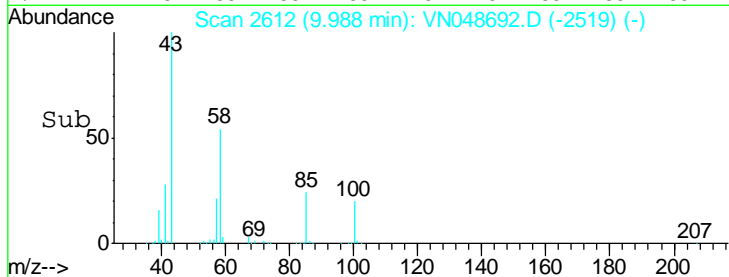
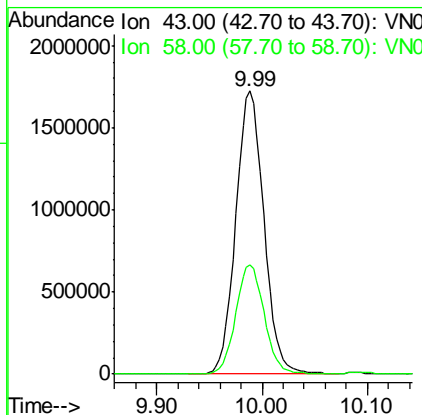
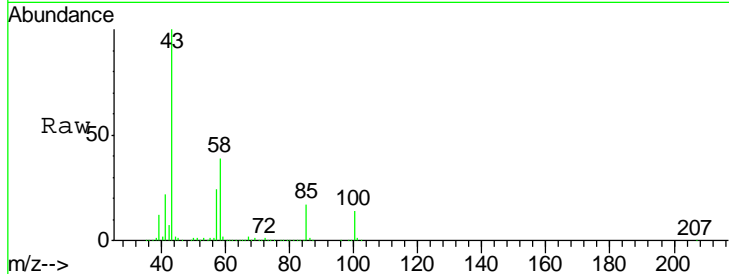
#51
 4-Methyl-2-Pentanone
 Concen: 510.35 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
58	39.0	31.0	46.6

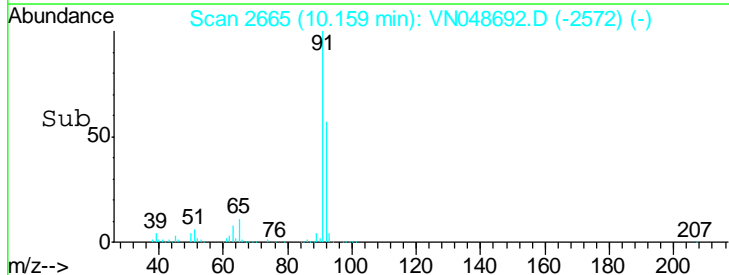
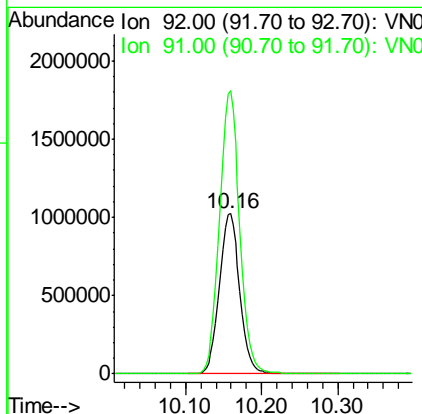
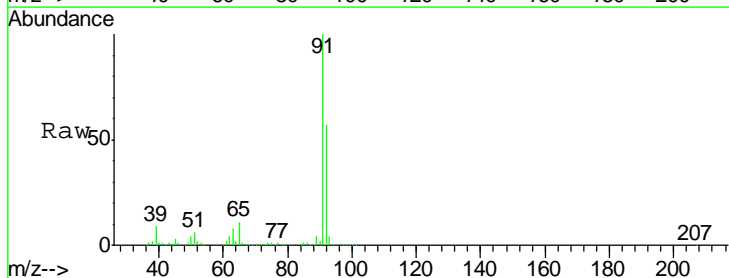
Manual Integrations
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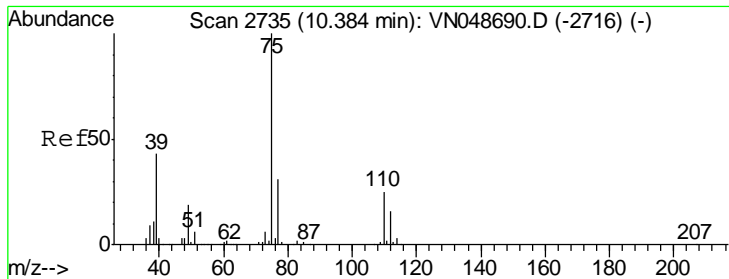
MMDadoda
 5/31/2018 11:12:38 AM



#52
 Toluene
 Concen: 142.93 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
92	100		
91	175.9	141.0	211.4





#53
 t-1,3-Dichloropropene
 Concen: 148.31 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

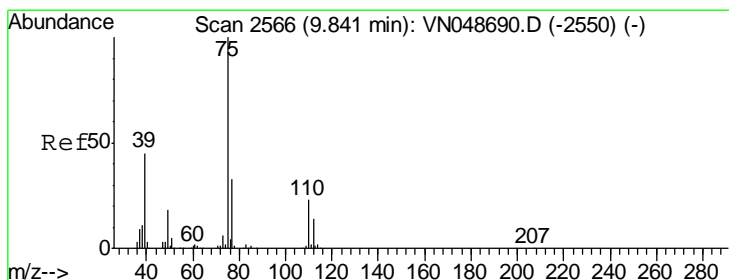
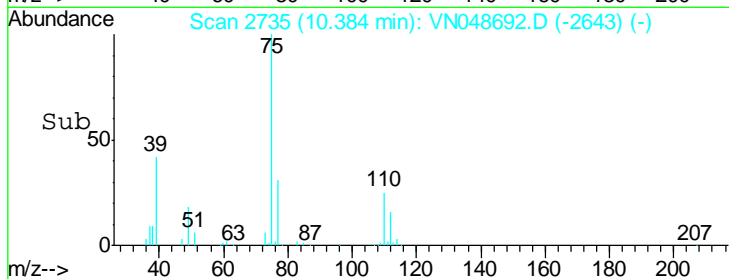
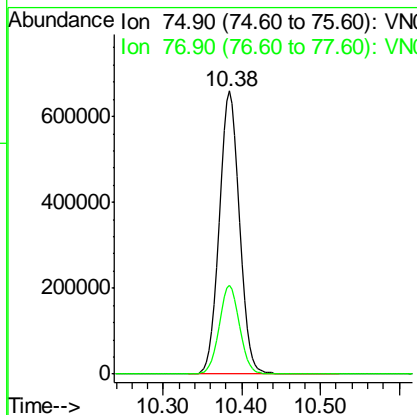
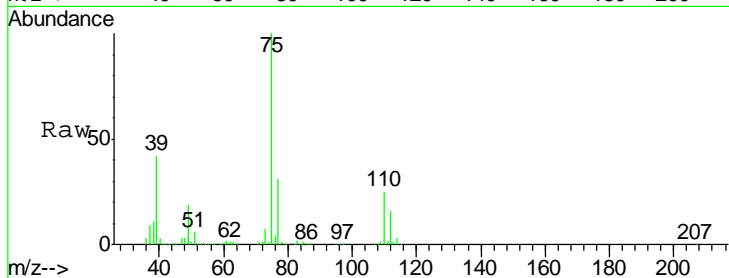
Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion: 75 Resp: 1161048

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.9	37.3

Manual Integrations
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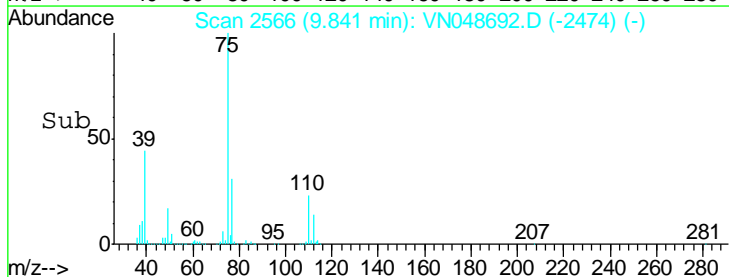
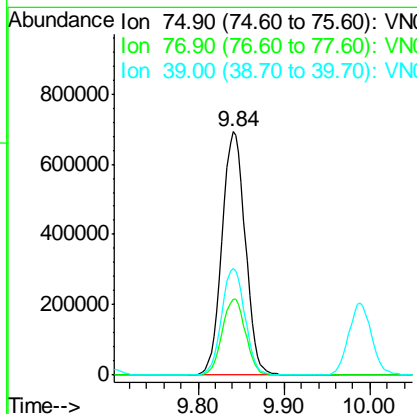
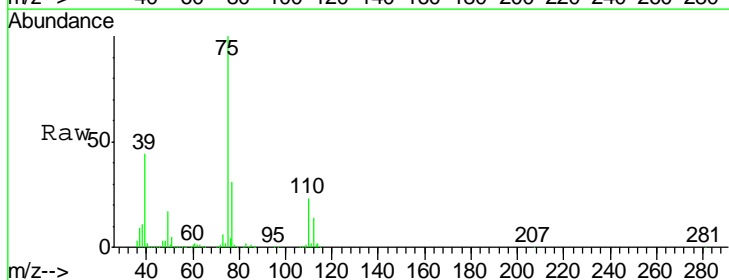
MMDadoda
 5/31/2018 11:12:38 AM

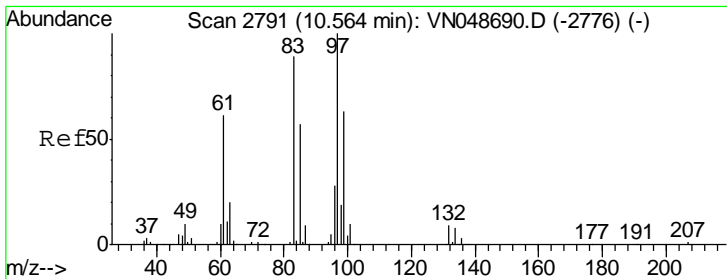


#54
 cis-1,3-Dichloropropene
 Concen: 148.66 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion: 75 Resp: 1303685

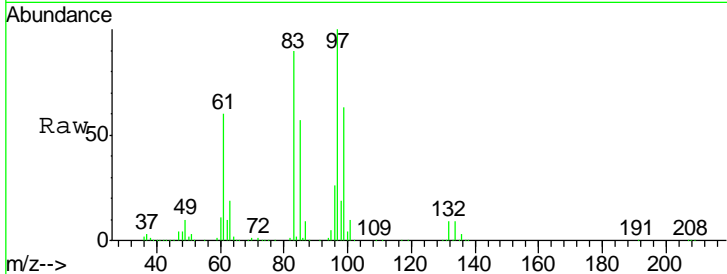
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.1	37.7
39	43.9	36.7	55.1





#55
 1,1,2-Trichloroethane
 Concen: 128.84 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

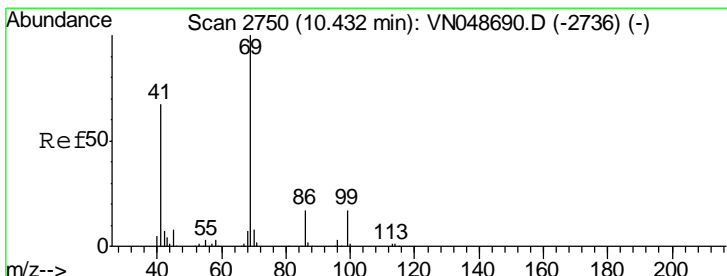
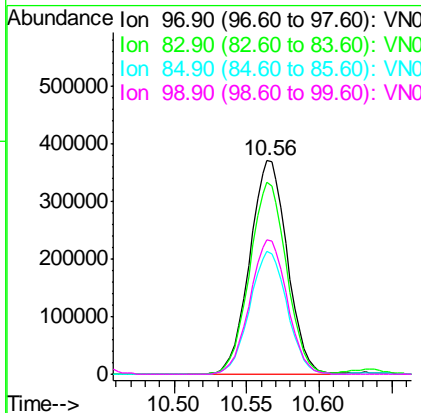
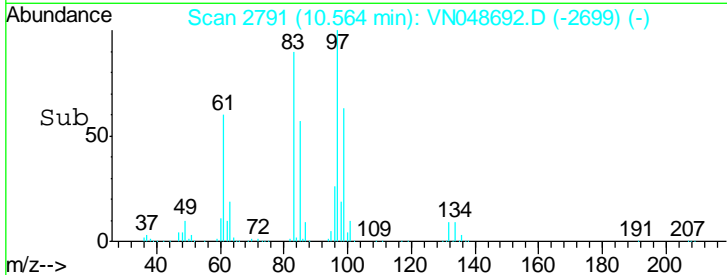
Instrument : MSVOA_N
 ClientSampled : VSTDIC150



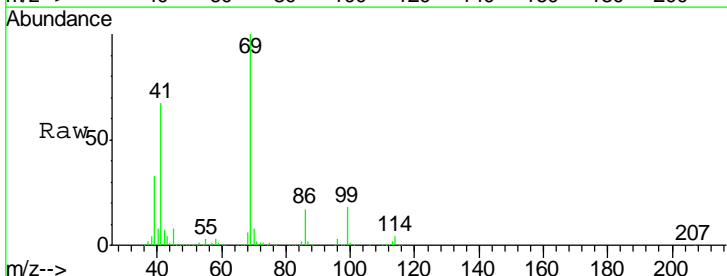
Tgt Ion: 97 Resp: 667426

Ion	Ratio	Lower	Upper
97	100		
83	89.7	68.7	103.1
85	57.3	43.4	65.2
99	62.8	49.6	74.4

Manual Integrations
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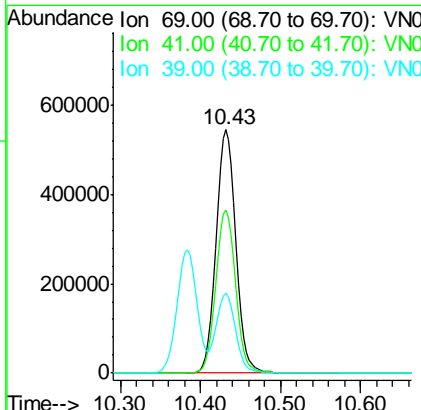
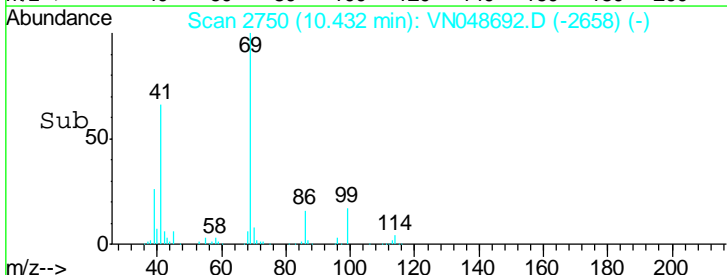


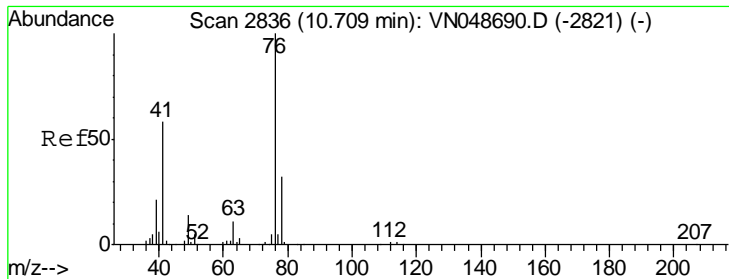
#56
 Ethyl methacrylate
 Concen: 129.81 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56



Tgt Ion: 69 Resp: 937315

Ion	Ratio	Lower	Upper
69	100		
41	67.4	52.3	78.5
39	32.3	26.4	39.6





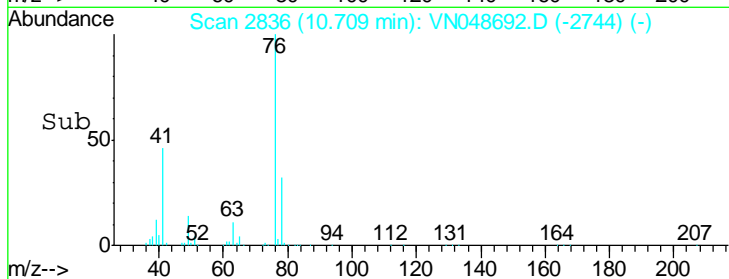
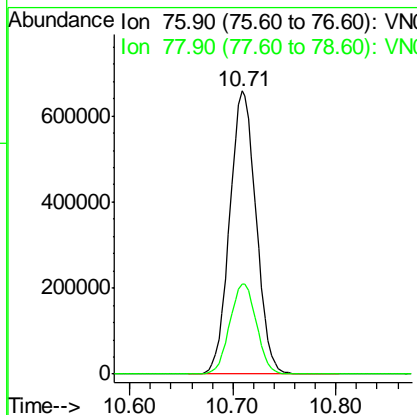
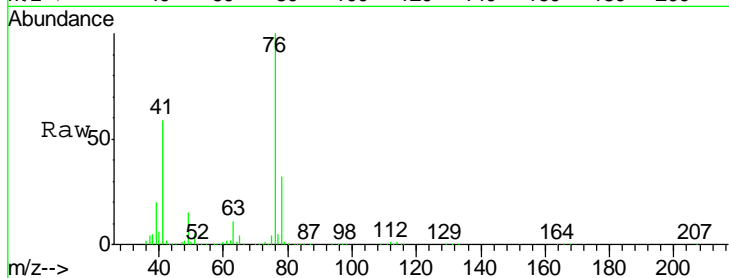
#57
 1,3-Dichloropropane
 Concen: 131.70 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
76	1174926		
76	100		
78	32.3	25.7	38.5

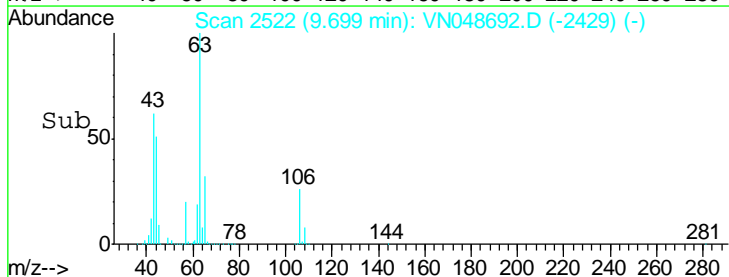
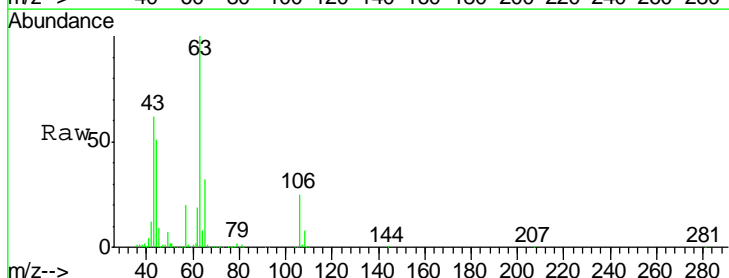
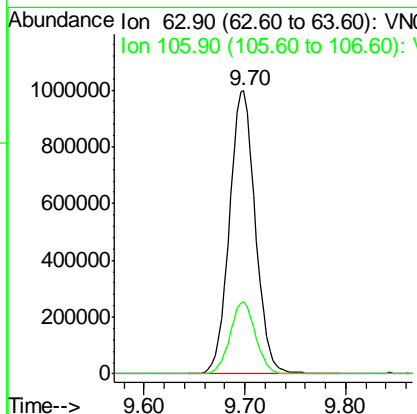
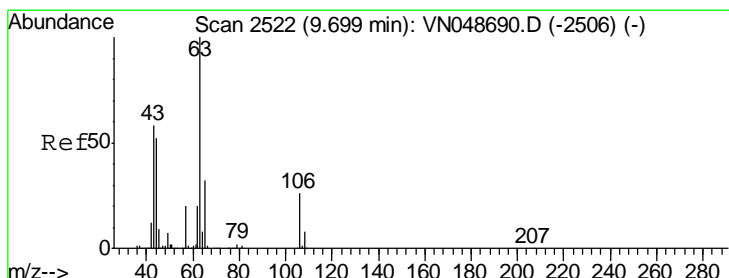
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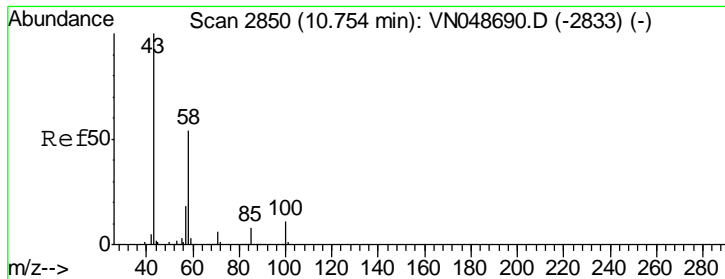
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 1303.80 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
63	1788188		
63	100		
106	25.1	21.3	31.9





#59
 2-Hexanone
 Concen: 496.52 ug/l
 RT: 10.76 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

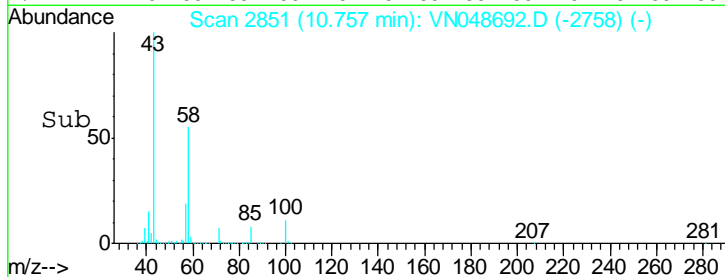
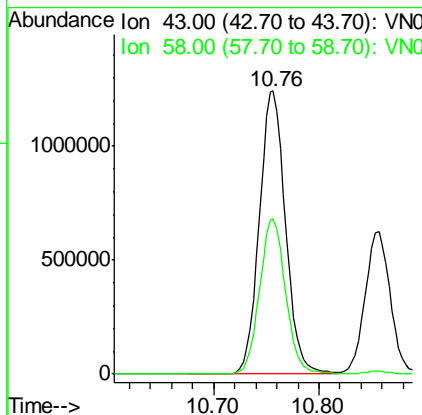
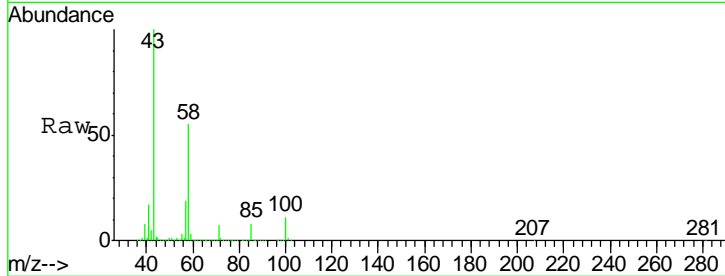
Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion: 43 Resp: 2157003

Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.4	82.0

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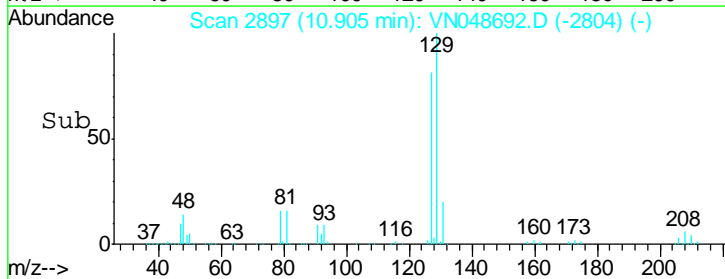
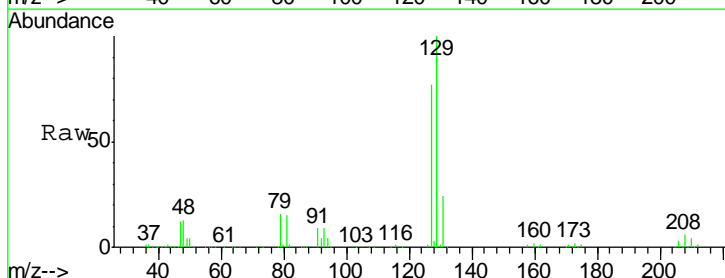
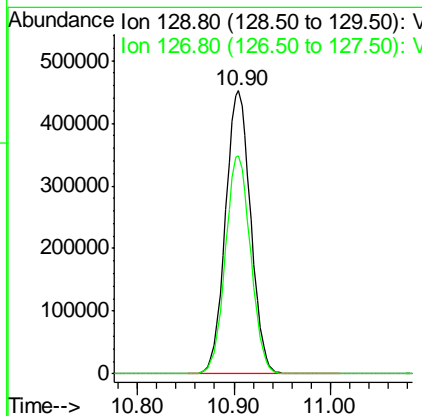
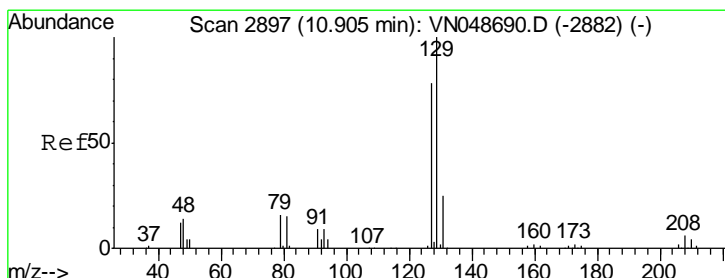
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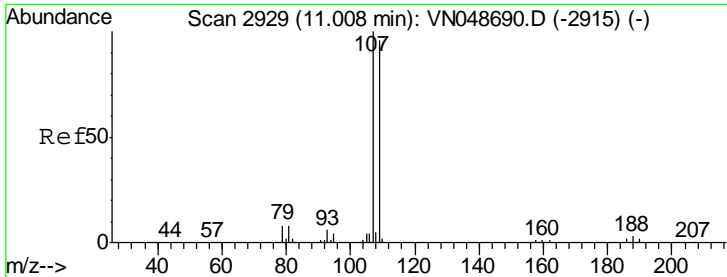


#60
 Dibromochloromethane
 Concen: 139.39 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion: 129 Resp: 814429

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.8	116.4





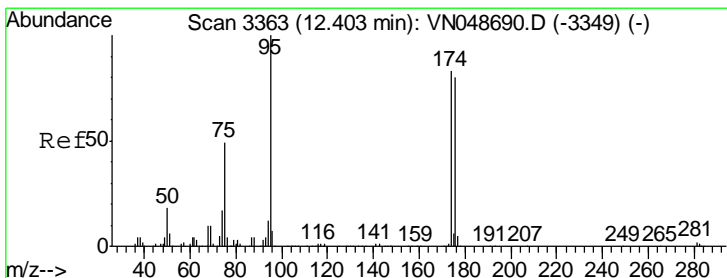
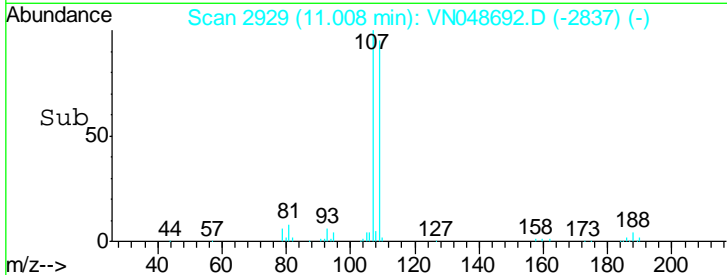
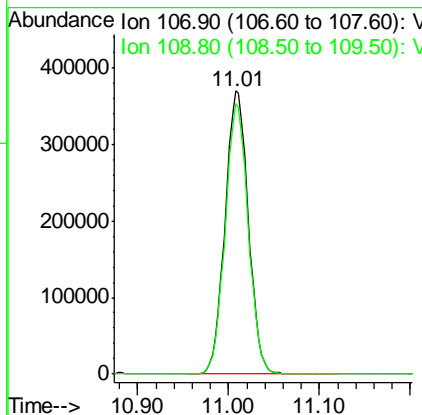
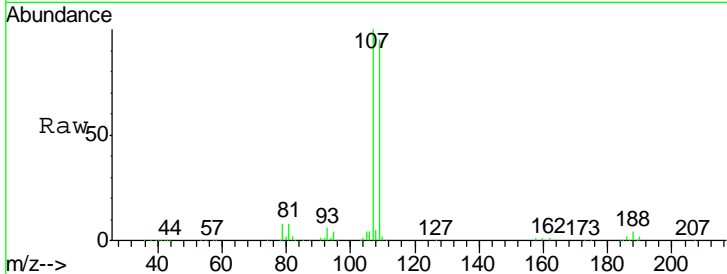
#61
 1,2-Dibromoethane
 Concen: 122.86 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.7	74.4	111.6

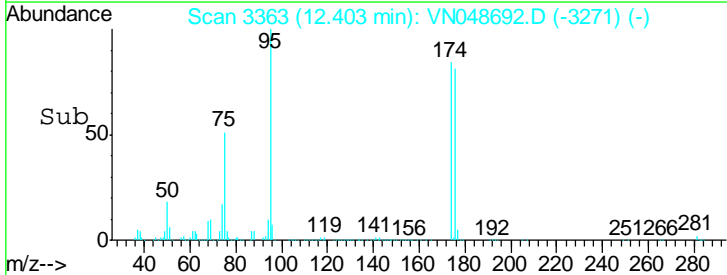
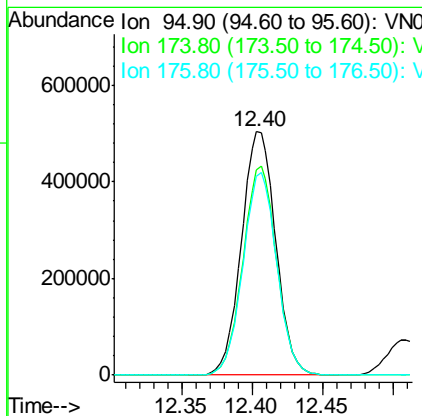
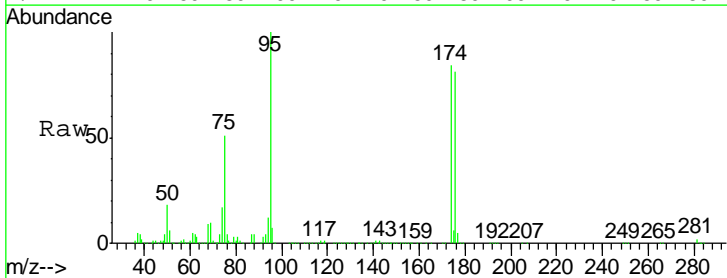
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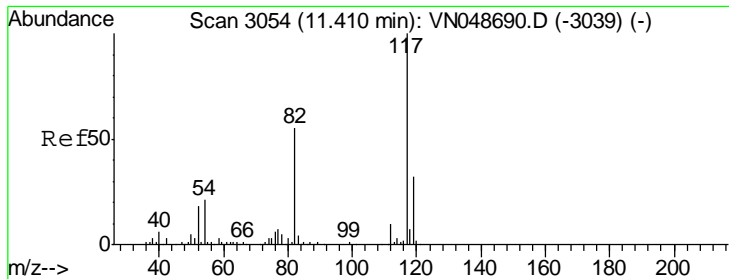
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 128.47 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
95	100		
174	84.4	0.0	173.8
176	81.9	0.0	170.0





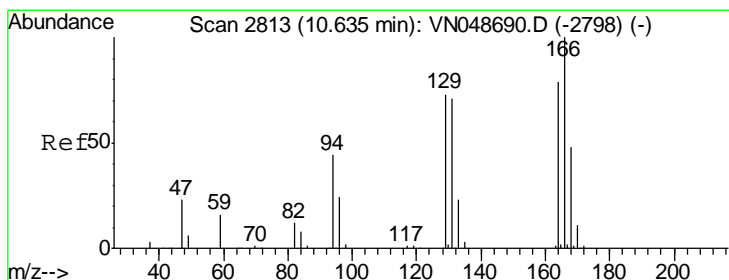
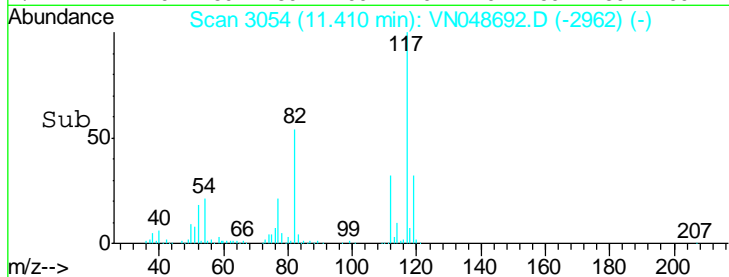
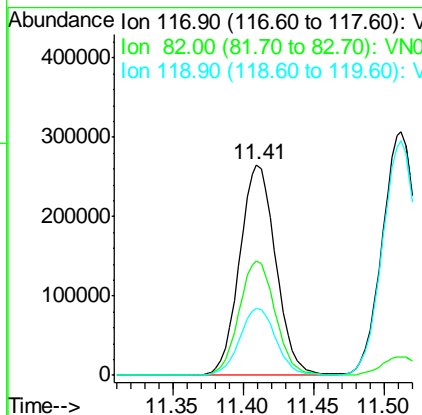
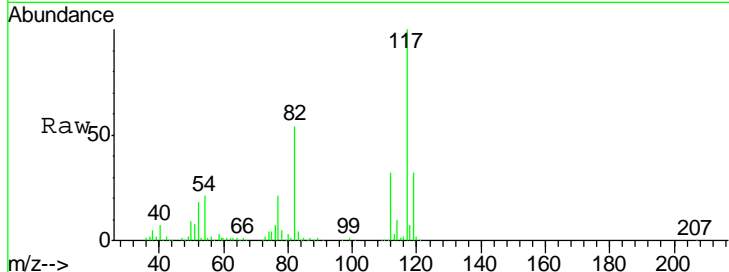
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
117	476997		
82	54.4	42.8	64.2
119	31.7	26.0	39.0

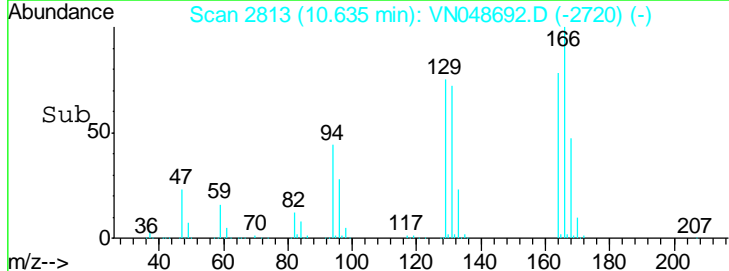
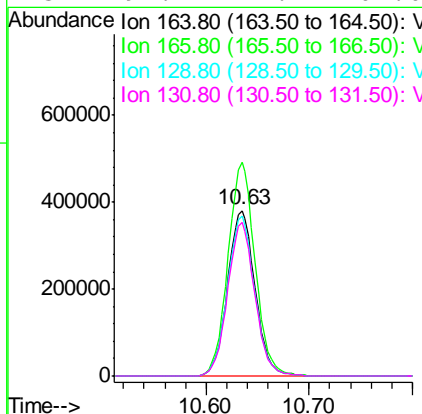
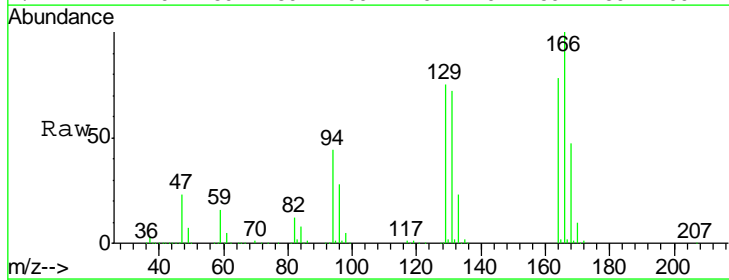
Manual Integrations
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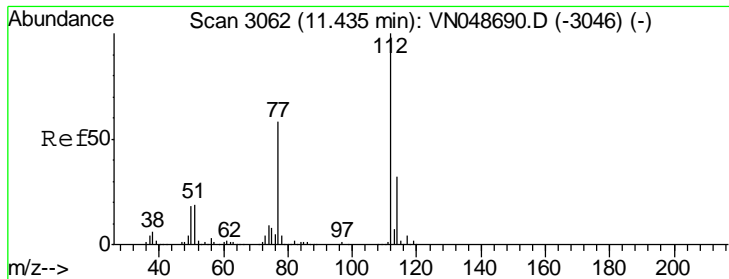
MMDadoda
 5/31/2018 11:12:38 AM



#64
 Tetrachloroethene
 Concen: 134.76 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
164	705797		
166	129.0	102.7	154.1
129	96.4	74.3	111.5
131	92.4	71.4	107.0





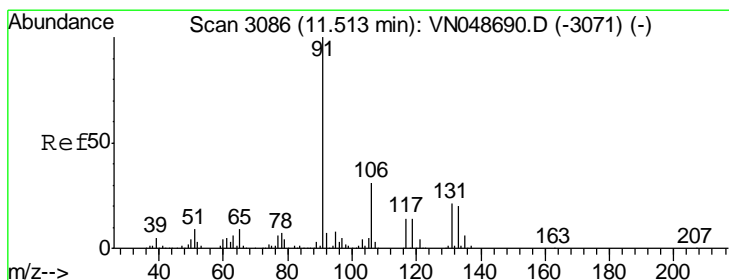
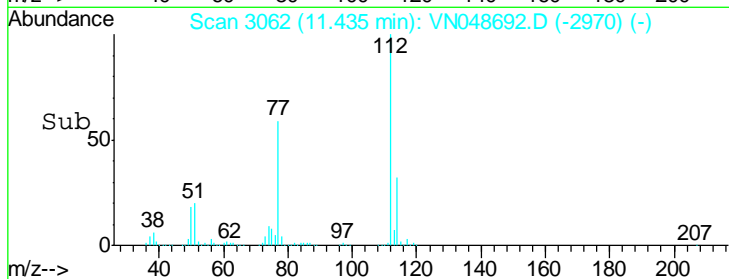
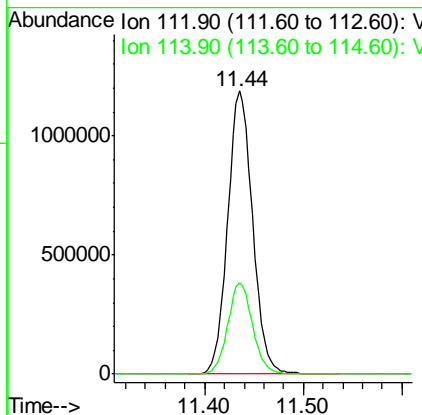
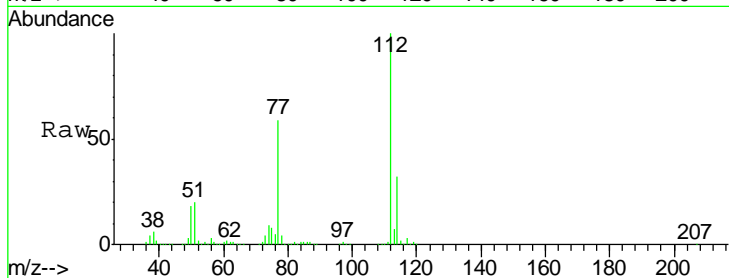
#65
 Chlorobenzene
 Concen: 140.36 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
112	2101935		
114	32.4	25.6	38.4

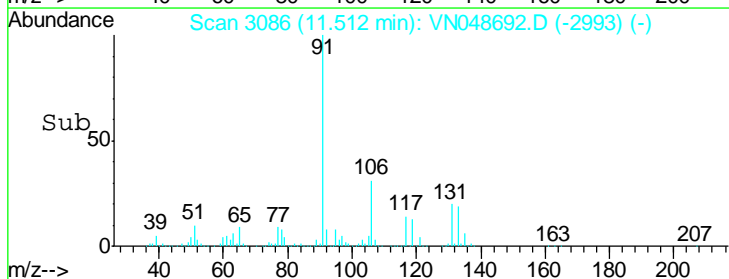
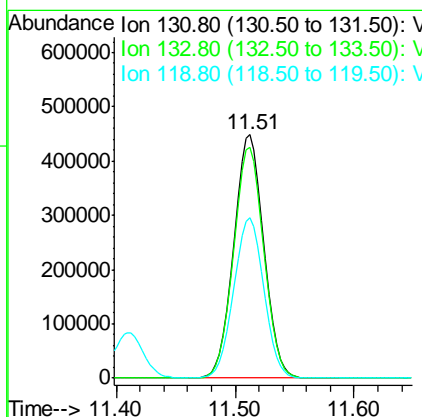
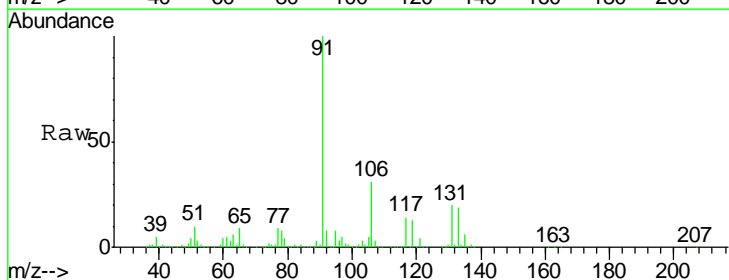
Manual Integrations
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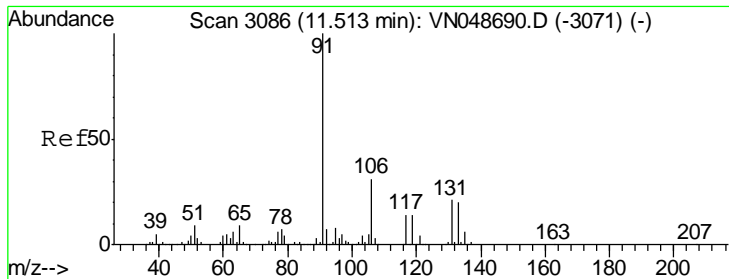
MMDadoda
 5/31/2018 11:12:38 AM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 141.47 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
131	781791		
133	95.7	47.8	143.4
119	66.3	33.1	99.3





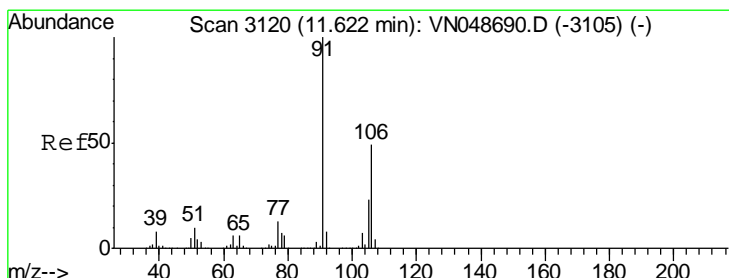
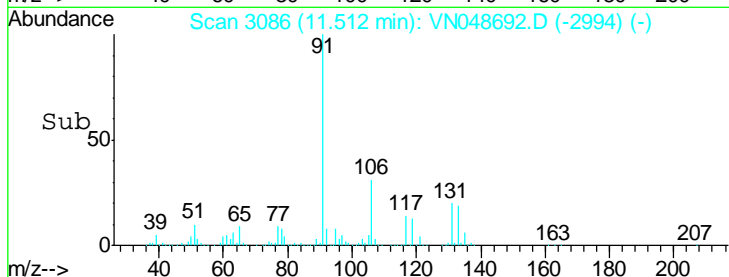
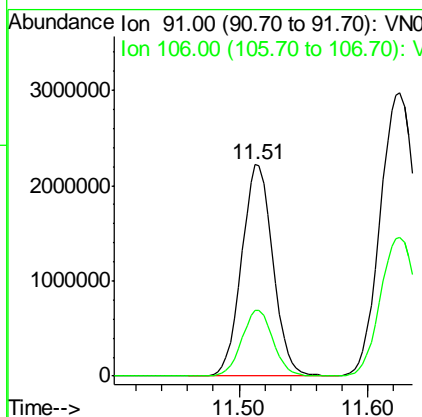
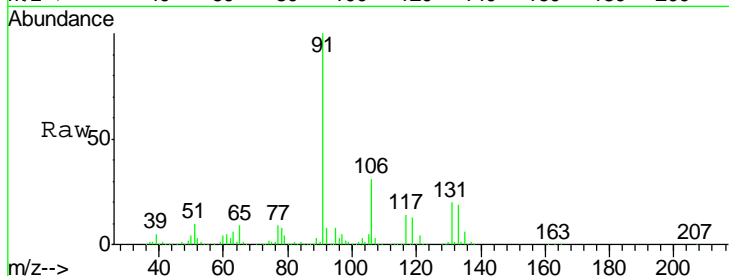
#67
Ethyl Benzene
Concen: 146.90 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN048692.D
Acq: 29 May 2018 12:56

Instrument : MSVOA_N
ClientSampled : VSTDIC150

Tgt Ion: 91 Resp: 3755604
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

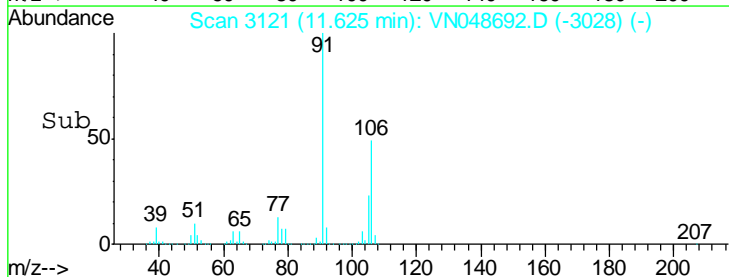
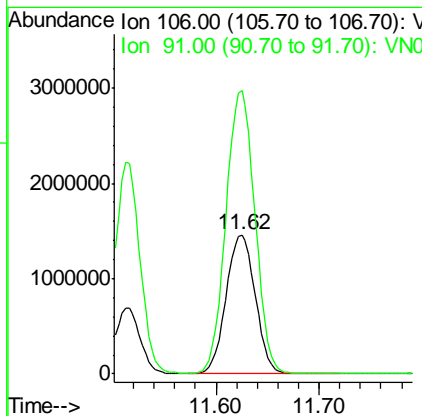
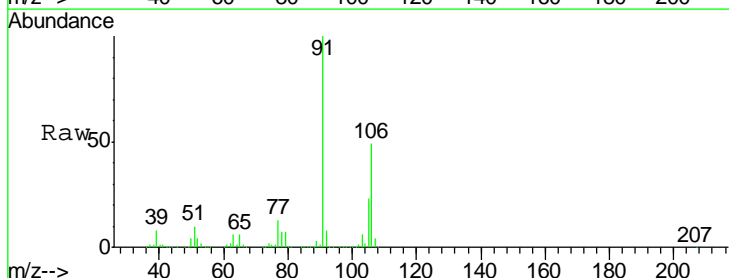
Manual Integrations
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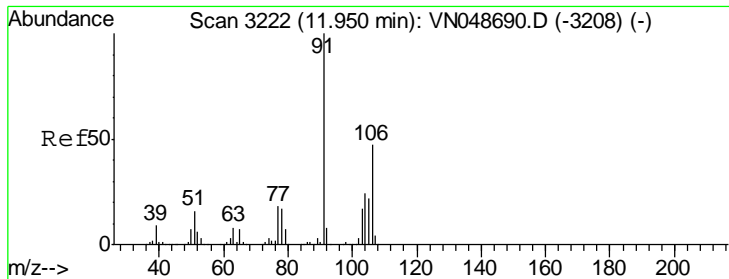
MMDadoda
5/31/2018 11:12:38 AM



#68
m/p-Xylenes
Concen: 306.22 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN048692.D
Acq: 29 May 2018 12:56

Tgt Ion: 106 Resp: 2875780
Ion Ratio Lower Upper
106 100
91 202.8 163.4 245.0





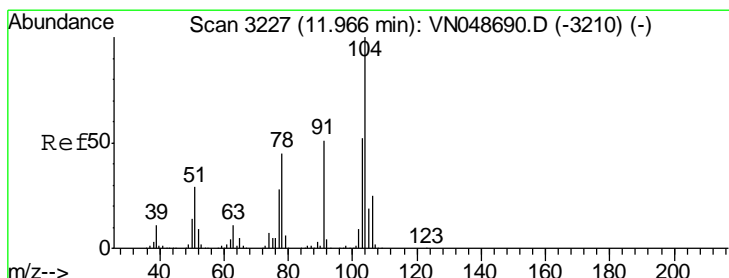
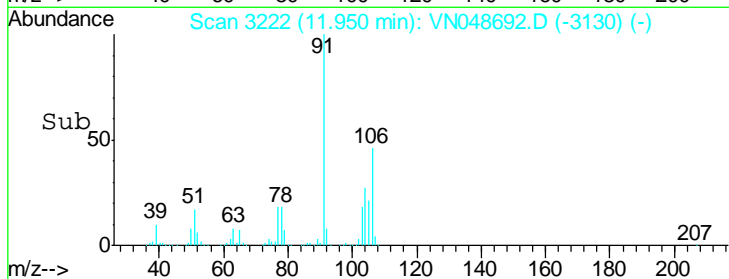
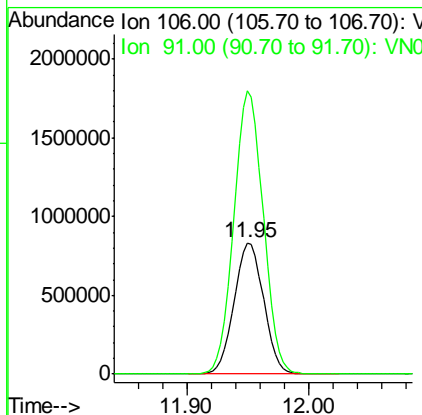
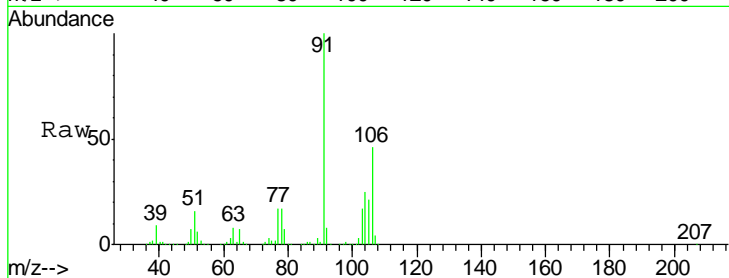
#69
 o-Xylene
 Concen: 151.56 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
106	1398646		
106	100		
91	214.4	107.9	323.7

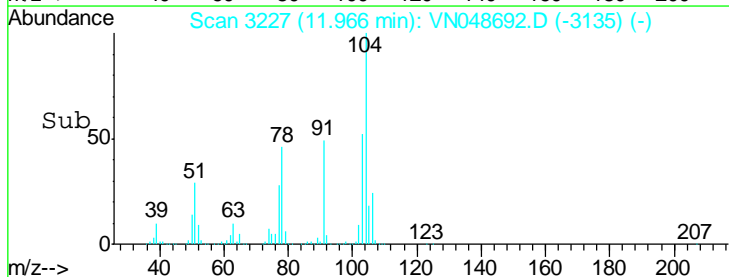
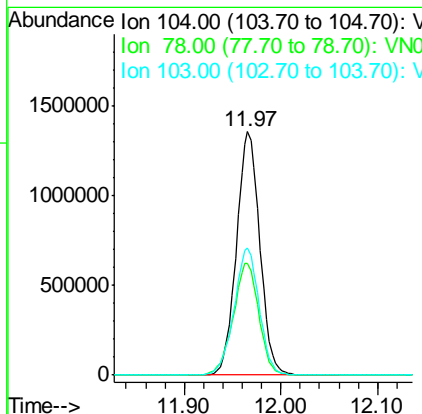
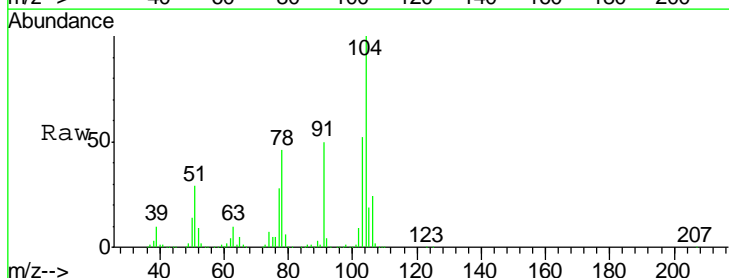
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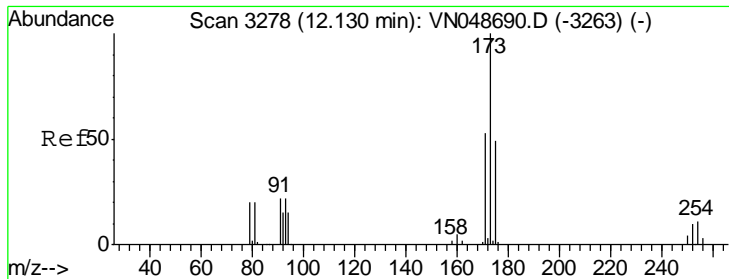
MMDadoda
 5/31/2018 11:12:38 AM



#70
 Styrene
 Concen: 154.13 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
104	2263427		
104	100		
78	50.4	39.8	59.8
103	56.2	44.6	66.8





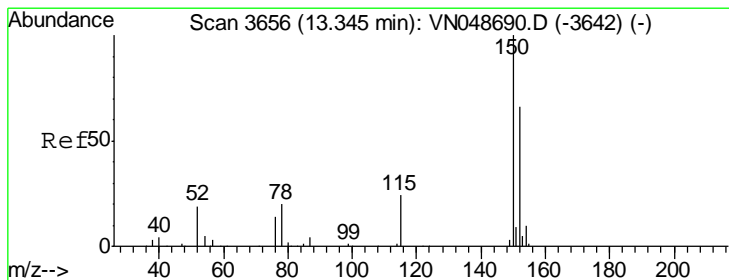
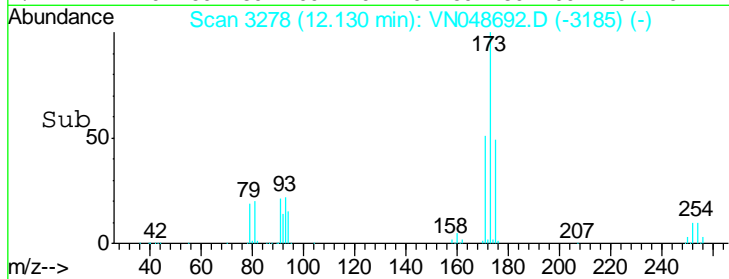
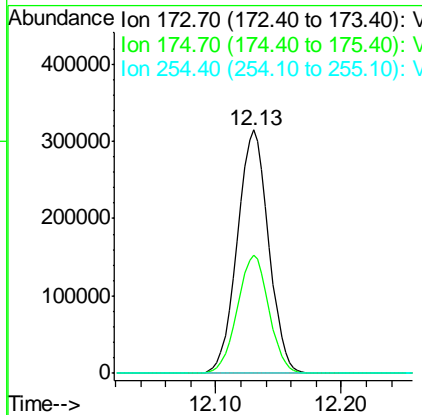
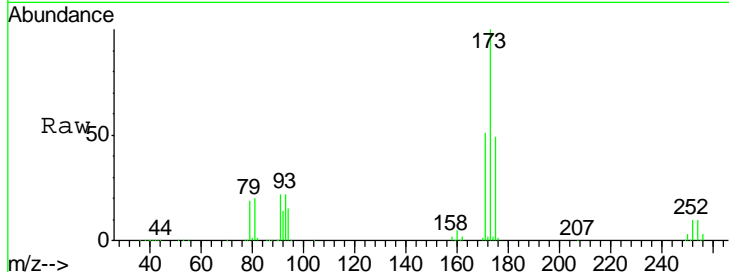
#71
 Bromoform
 Concen: 131.20 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
173	544601		
175	49.0	23.9	71.8
254	0.1	0.0	0.0

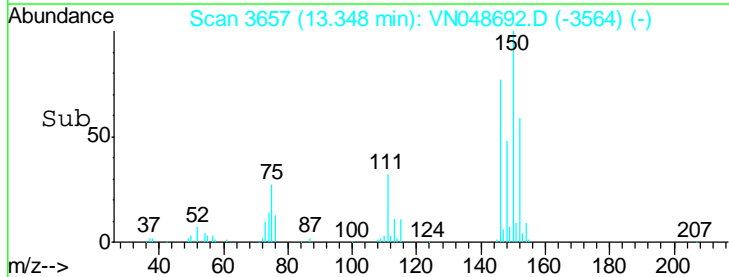
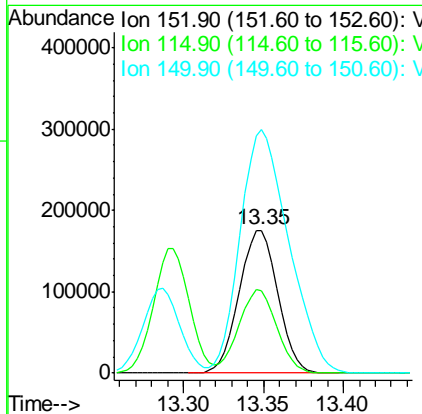
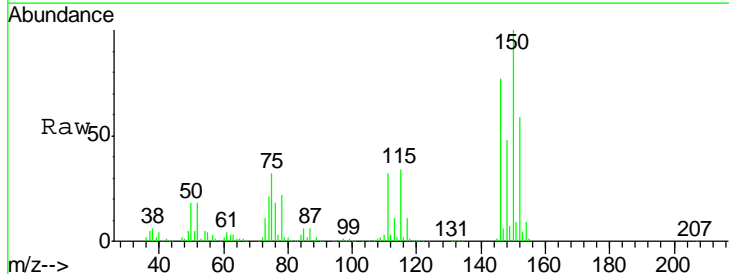
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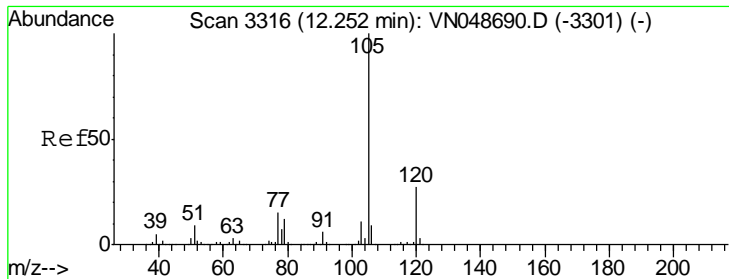
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
152	289183		
152	100		
115	57.5	28.1	84.4
150	215.2	0.0	353.0





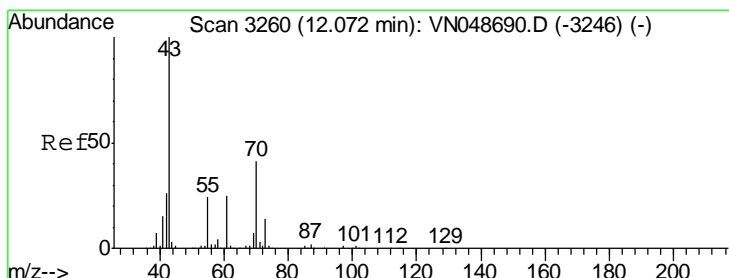
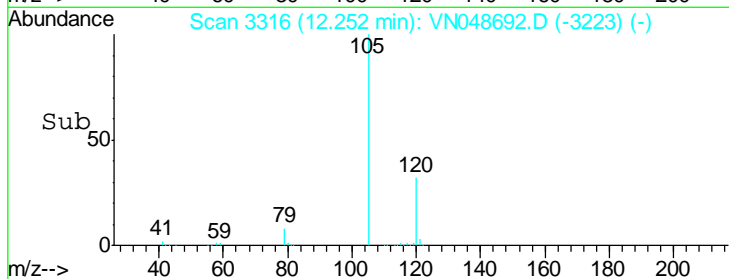
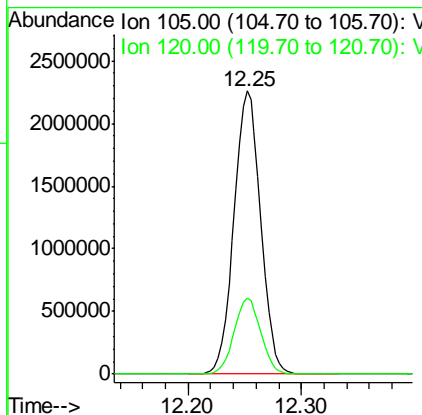
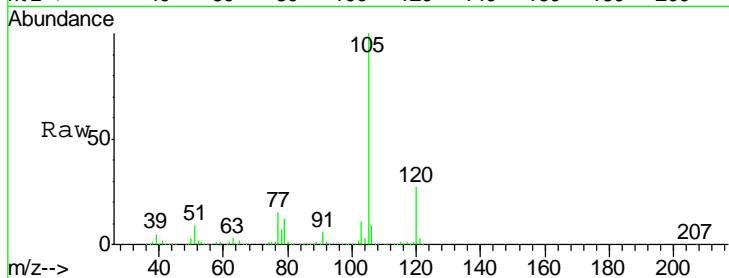
#73
 Isopropylbenzene
 Concen: 131.39 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 105 Resp: 3697975
 Ion Ratio Lower Upper
 105 100
 120 26.7 13.3 39.9

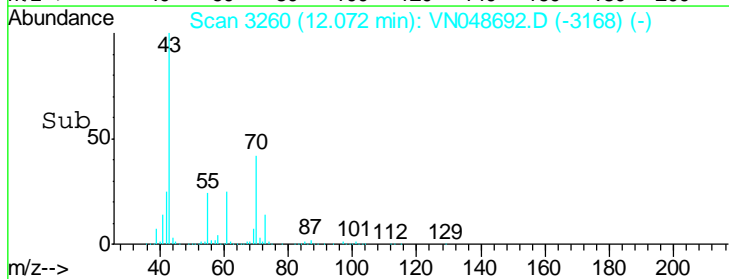
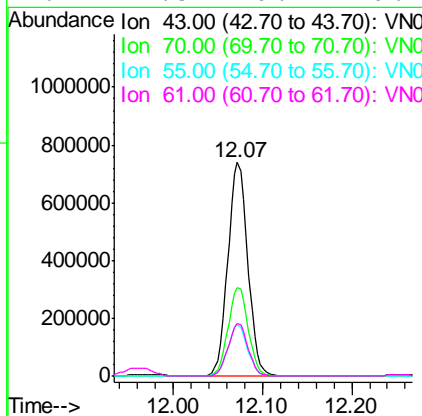
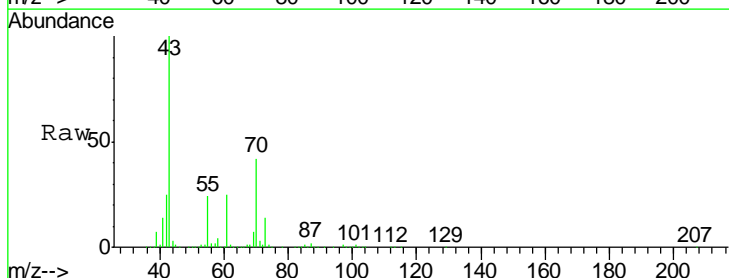
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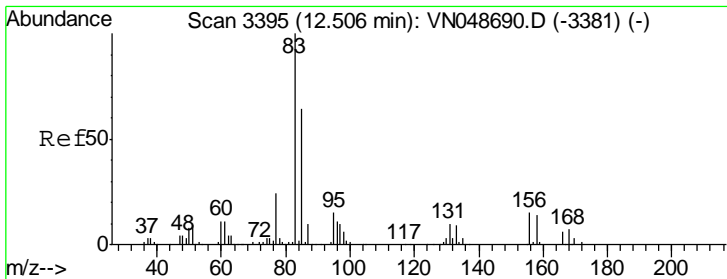
MMDadoda
 5/31/2018 11:12:38 AM



#74
 N-aryl acetate
 Concen: 112.23 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion: 43 Resp: 1141452
 Ion Ratio Lower Upper
 43 100
 70 41.9 33.7 50.5
 55 23.9 19.3 28.9
 61 24.5 19.4 29.2





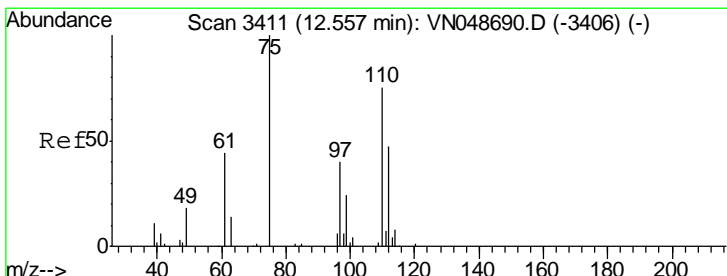
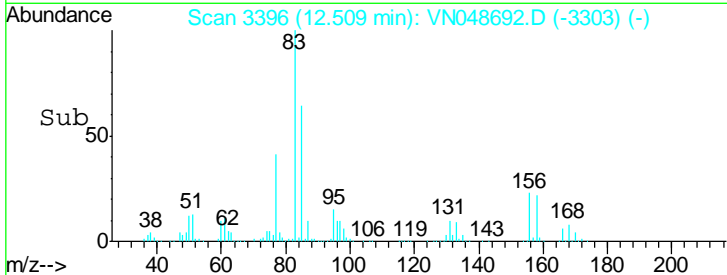
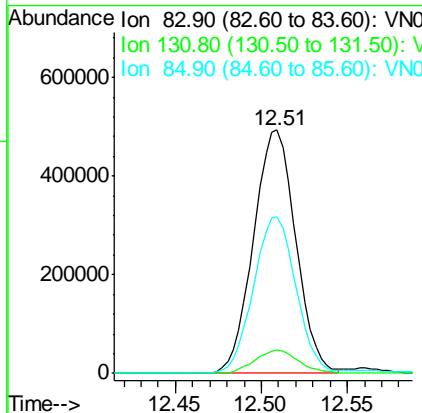
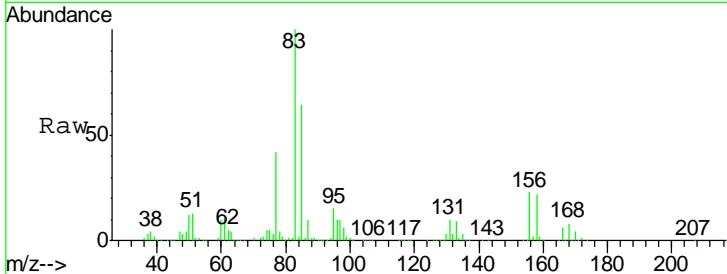
#75
 1,1,2,2-Tetrachloroethane
 Concen: 98.02 ug/l
 RT: 12.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.1	5.3	15.8
85	64.5	32.4	97.0

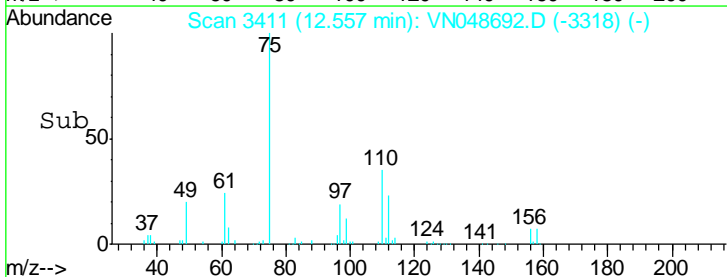
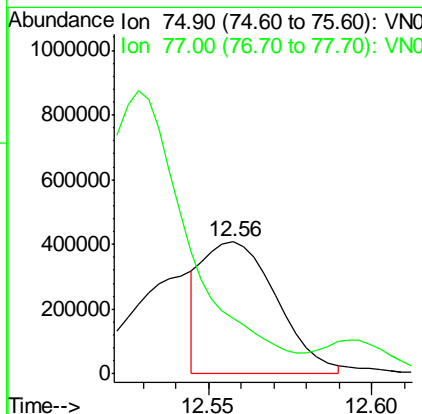
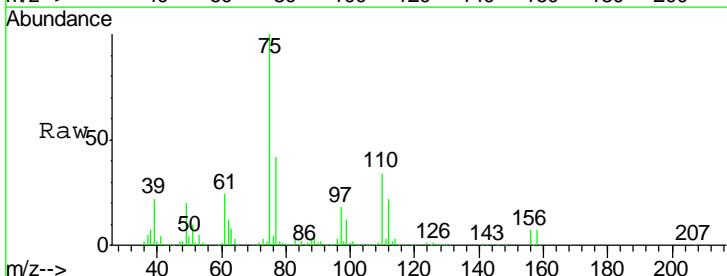
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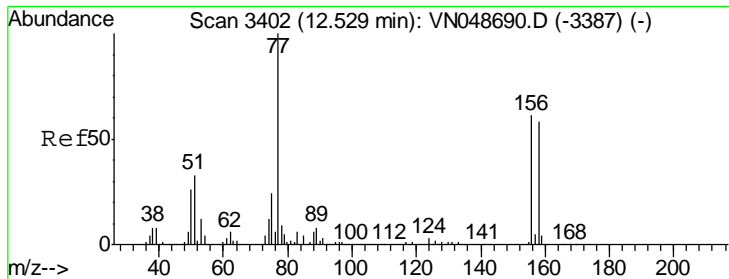
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 99.63 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





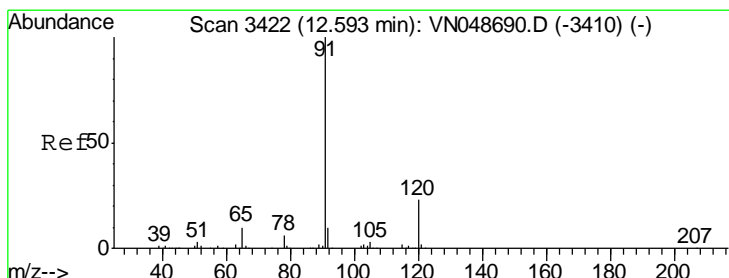
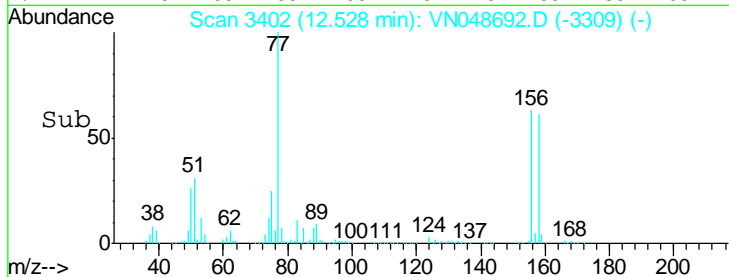
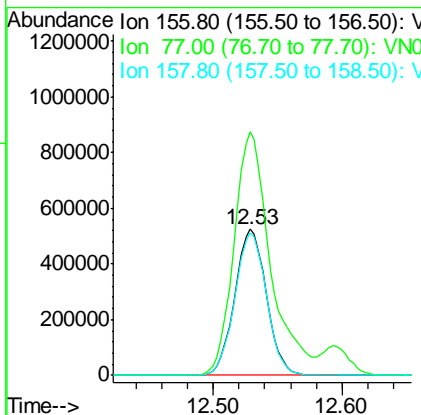
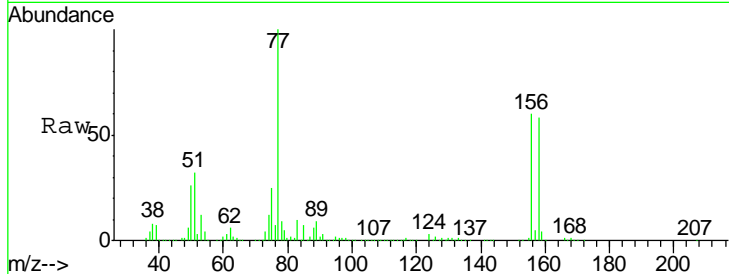
#77
 Bromobenzene
 Concen: 129.86 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
156	890814		
77	192.2	93.3	280.1
158	98.0	48.9	146.6

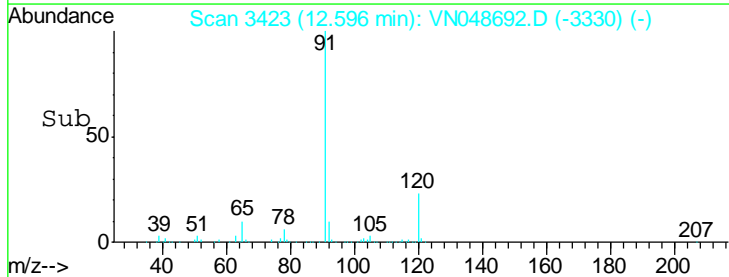
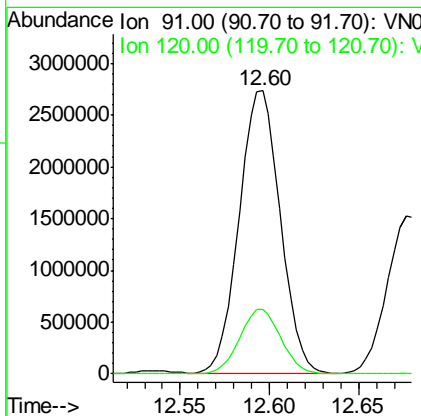
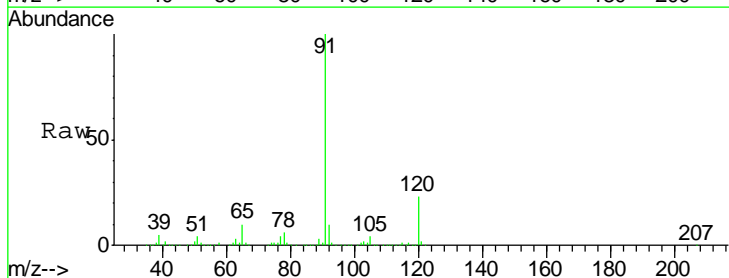
Manual Integrations
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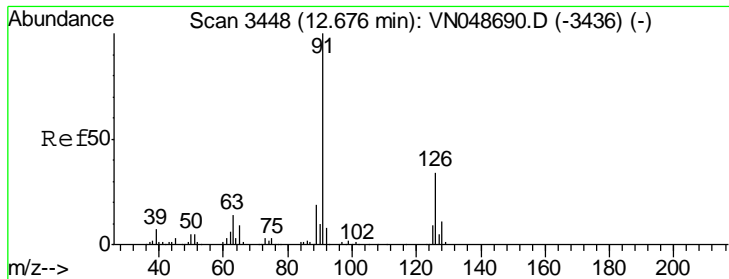
MMDadoda
 5/31/2018 11:12:38 AM



#78
 n-propylbenzene
 Concen: 137.64 ug/l
 RT: 12.60 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
91	4405805		
120	22.8	11.7	35.1





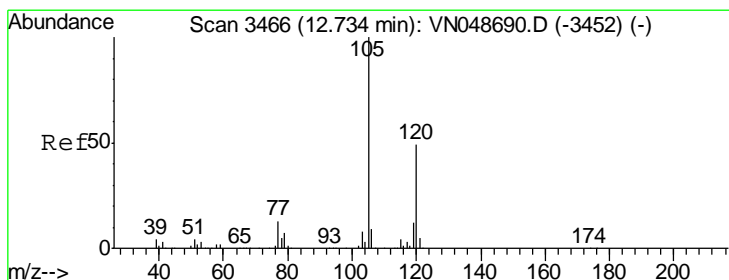
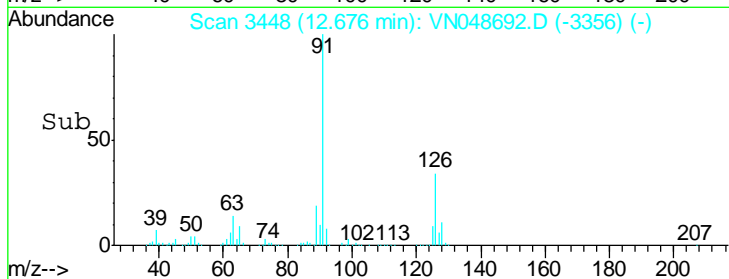
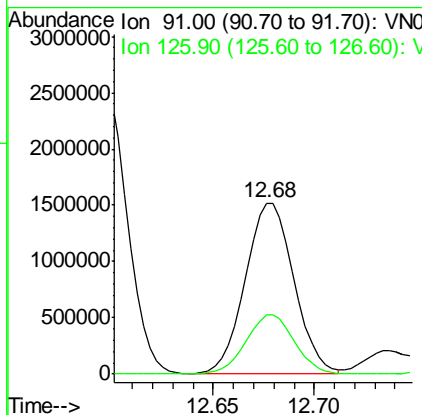
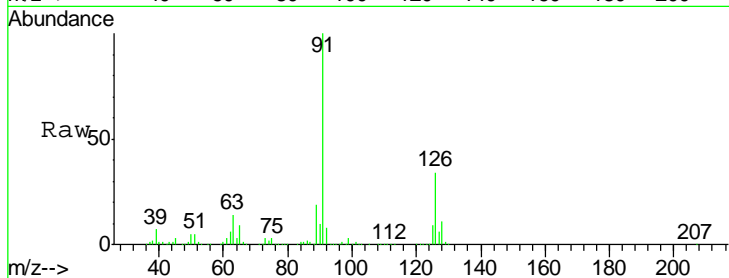
#79
 2-Chlorotoluene
 Concen: 130.98 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.6	17.5	52.5

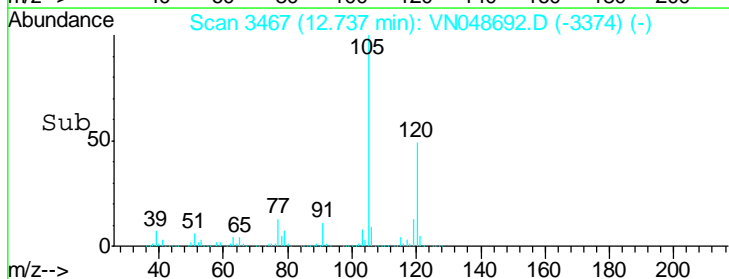
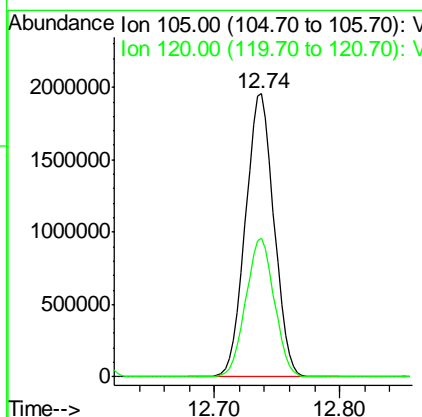
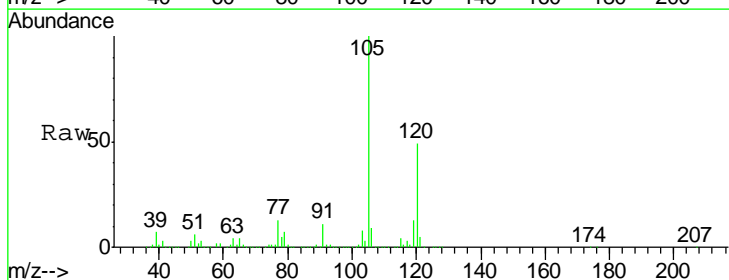
Manual Integrations
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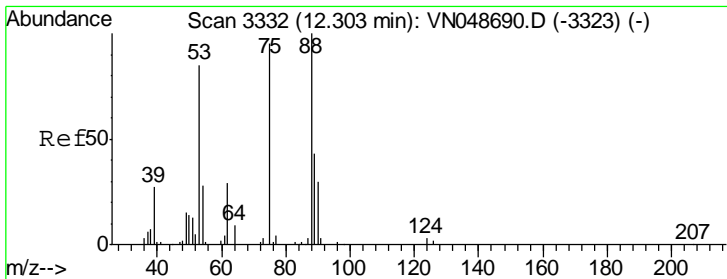
MMDadoda
 5/31/2018 11:12:38 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 135.47 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.0	24.3	72.9





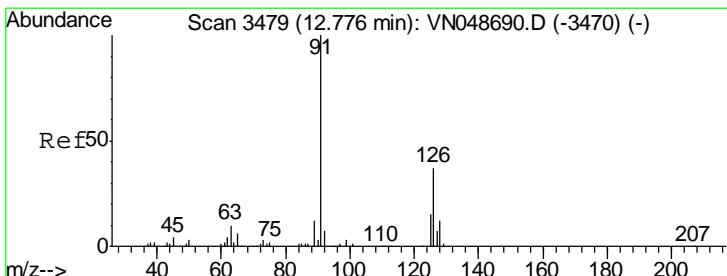
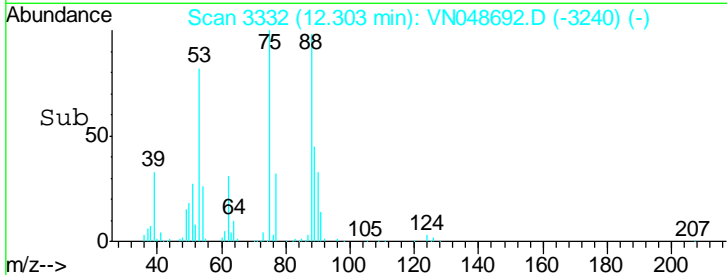
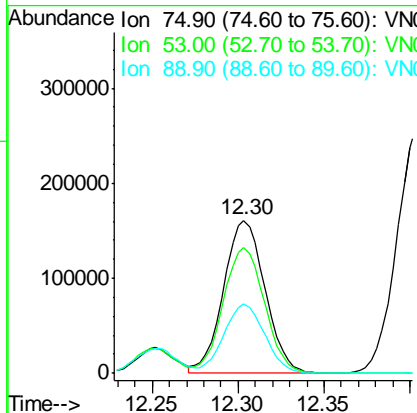
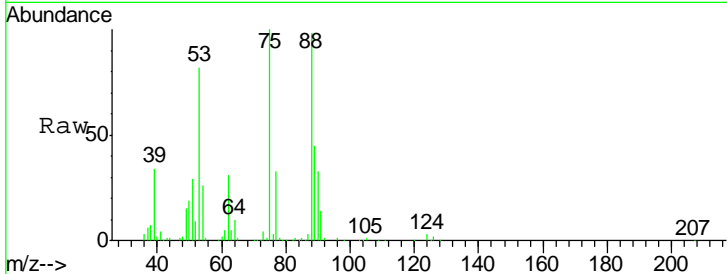
#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.68 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	270803		
75	100		
53	82.7	72.0	108.0
89	44.8	35.2	52.8

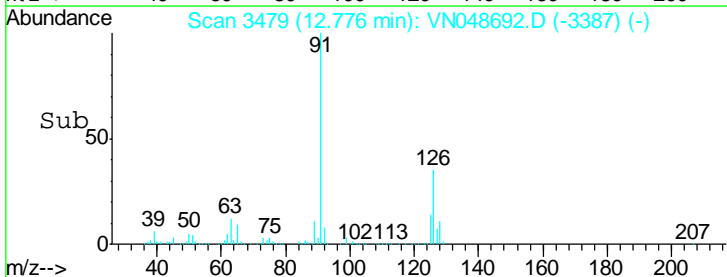
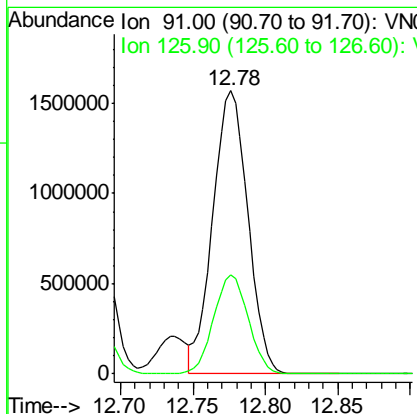
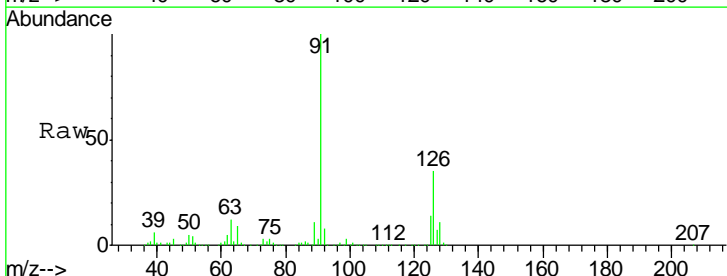
Manual Integrations
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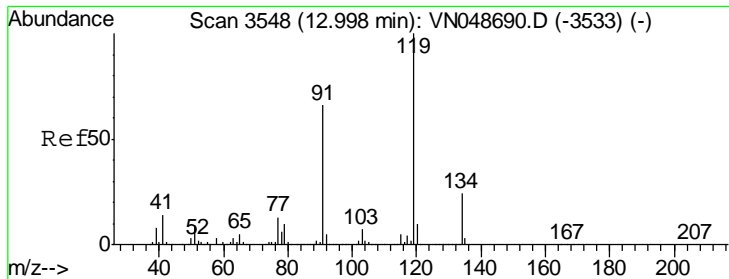
MMDadoda
 5/31/2018 11:12:38 AM



#82
 4-Chlorotoluene
 Concen: 138.83 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
91	2632974		
91	100		
126	34.4	17.2	51.6





#83
 tert-Butylbenzene
 Concen: 135.46 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

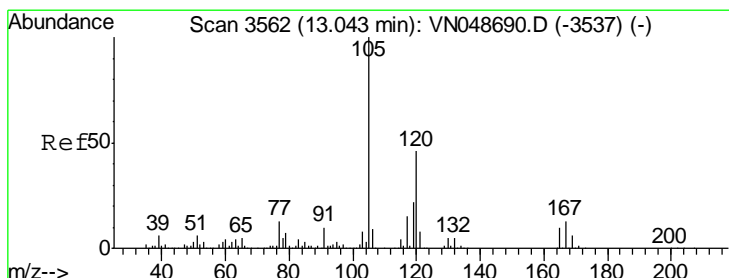
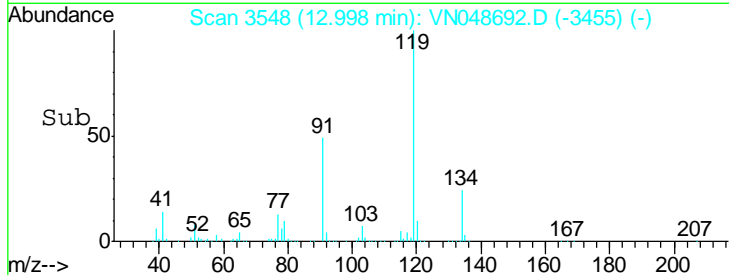
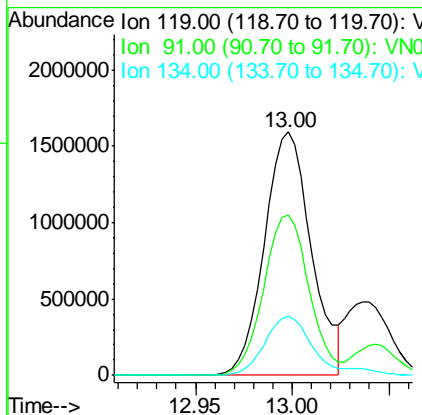
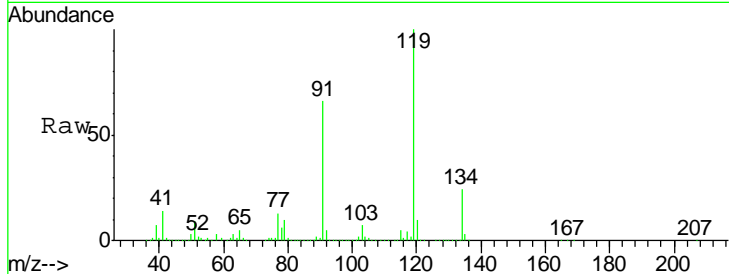
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 119 Resp: 2699658

Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.2	96.6
134	25.6	13.3	39.9

Manual Integrations
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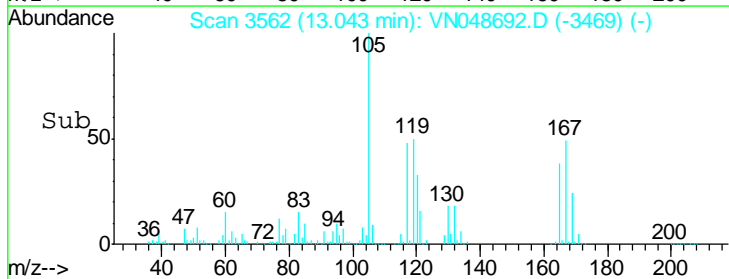
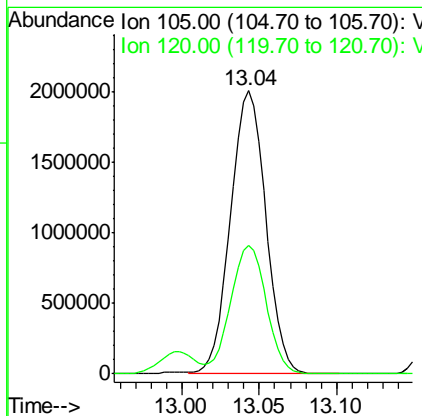
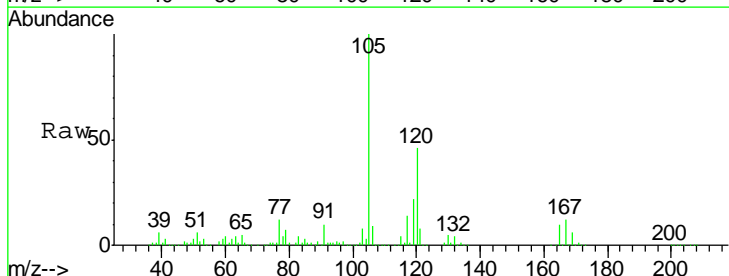
MMDadoda
 5/31/2018 11:12:38 AM

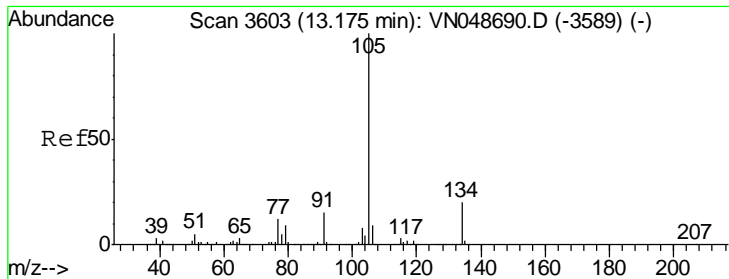


#84
 1,2,4-Trimethylbenzene
 Concen: 139.85 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion: 105 Resp: 3176132

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.0





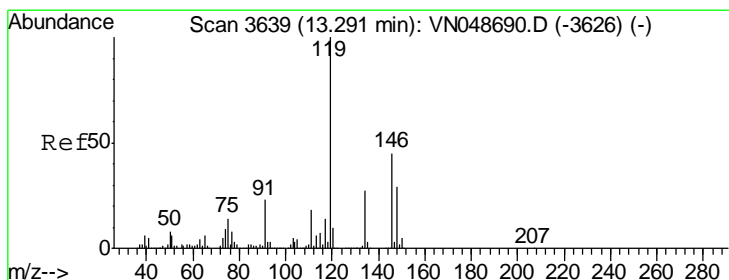
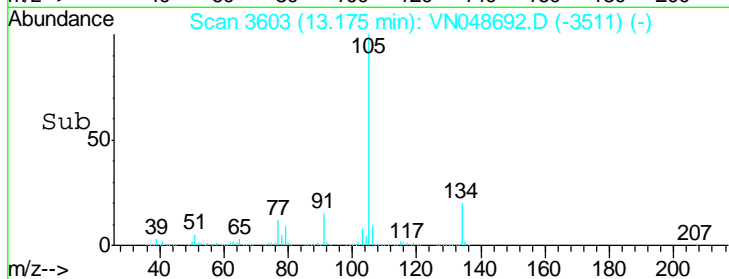
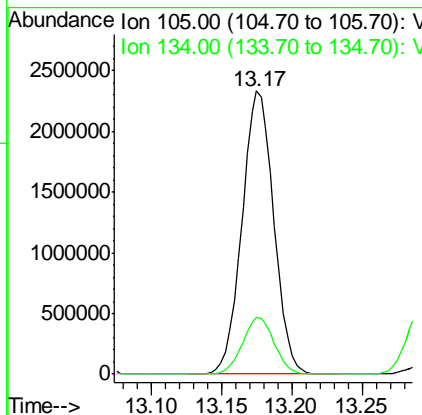
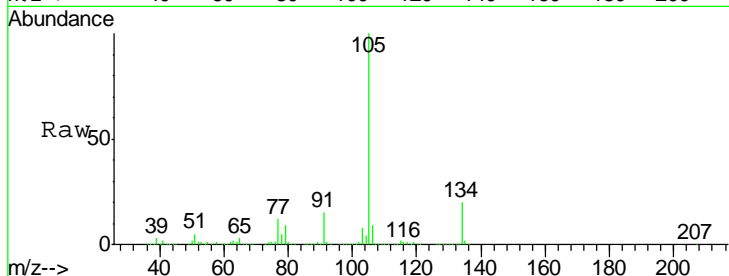
#85
 sec-Butylbenzene
 Concen: 138.39 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.0	10.1	30.3

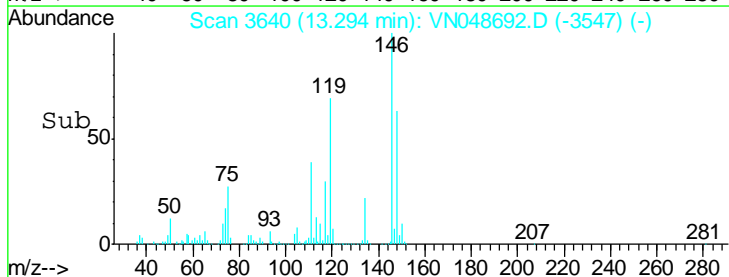
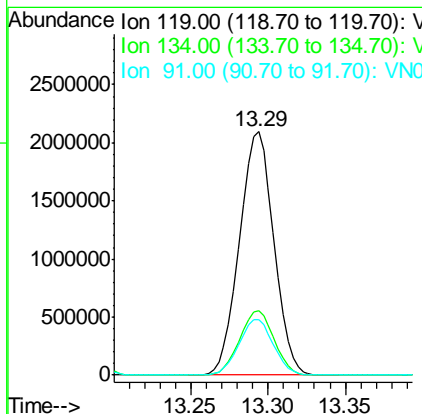
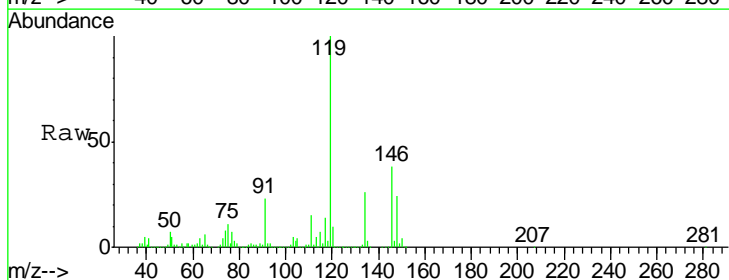
Manual Integrations
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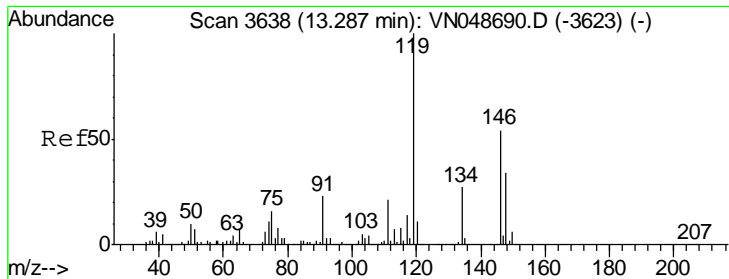
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 5/31/2018 11:12:38 AM



#86
 p-Isopropyltoluene
 Concen: 144.65 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	22.8	11.4	34.2





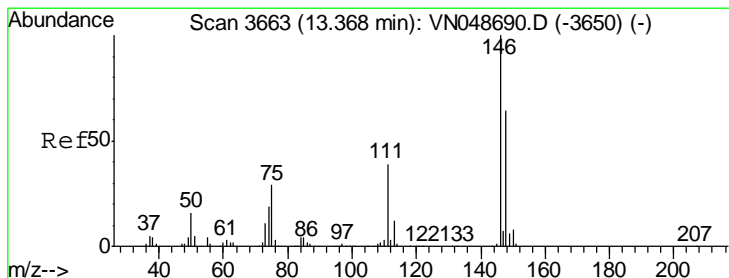
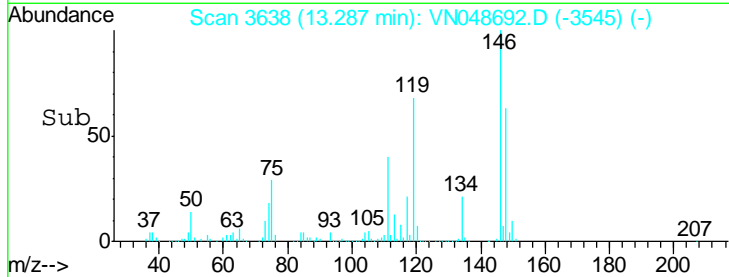
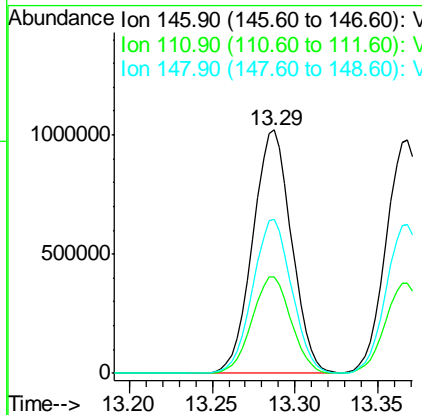
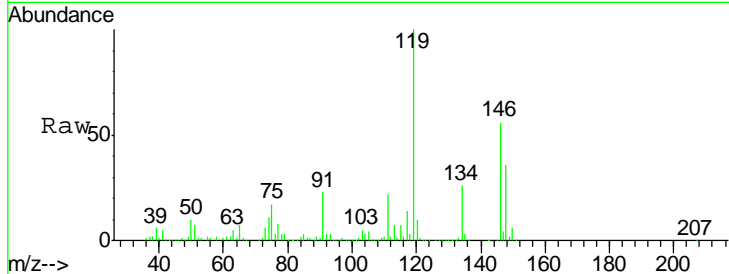
#87
 1,3-Dichlorobenzene
 Concen: 141.70 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
146	1659599		
146	100		
111	39.9	19.3	57.9
148	63.7	32.1	96.5

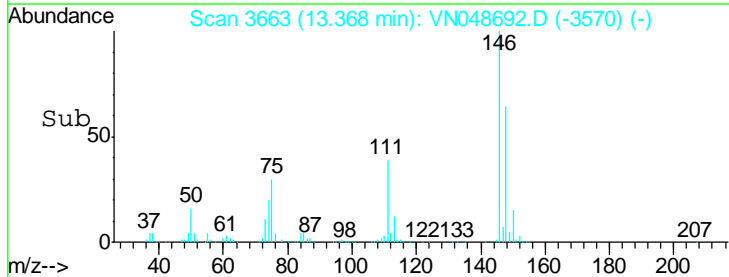
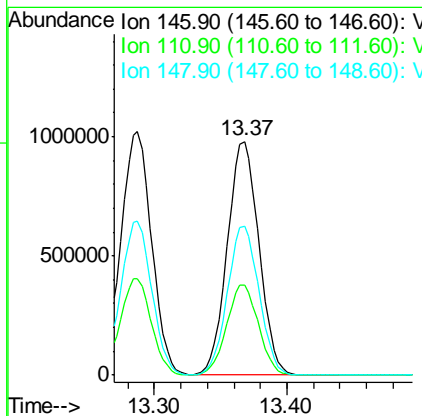
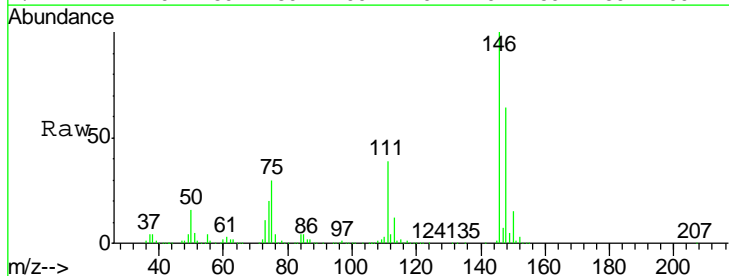
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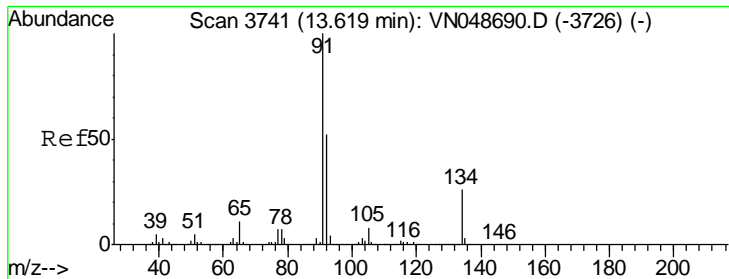
MMDadoda
 5/31/2018 11:12:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 138.67 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
146	1620357		
146	100		
111	38.7	18.9	56.5
148	63.8	32.2	96.6





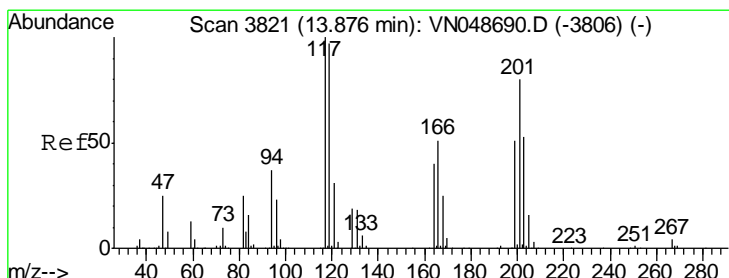
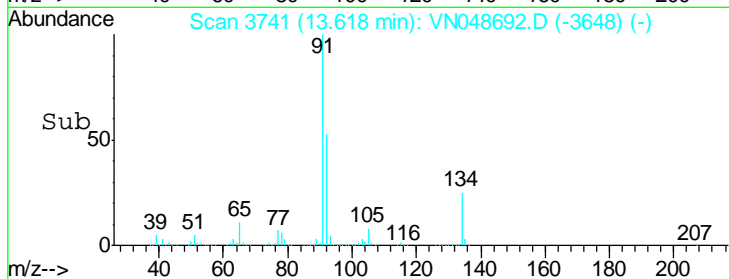
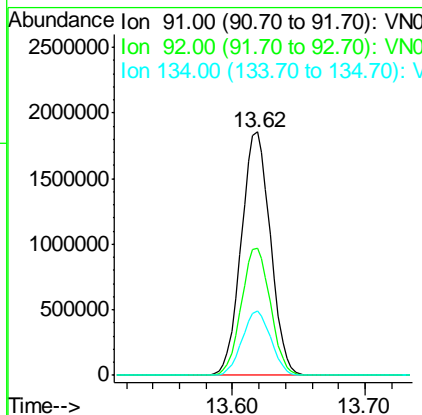
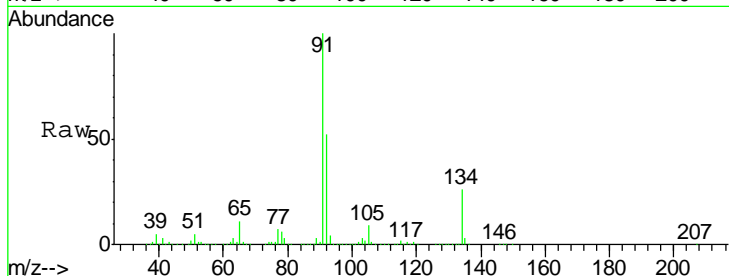
#89
 n-Butylbenzene
 Concen: 161.84 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	26.0	13.5	40.4

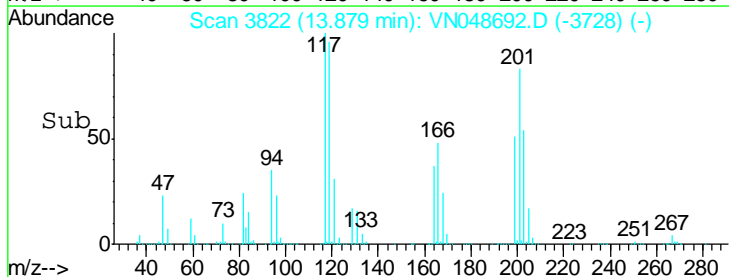
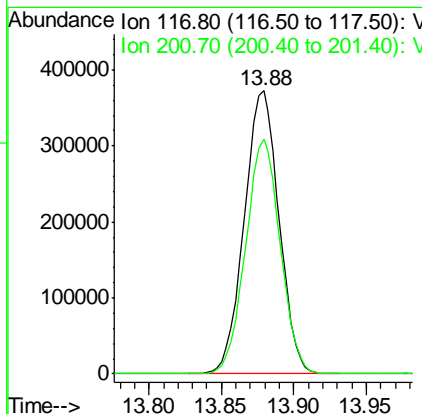
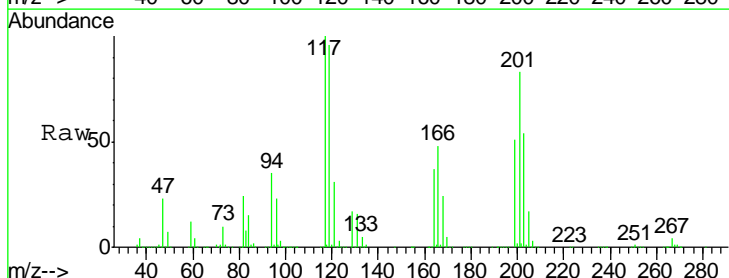
Manual Integrations
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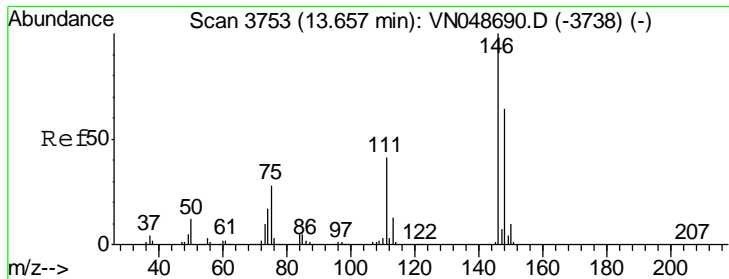
MMDadoda
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#90
 Hexachloroethane
 Concen: 124.93 ug/l
 RT: 13.88 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Tgt Ion	Resp	Lower	Upper
117	100		
201	82.6	44.6	134.0





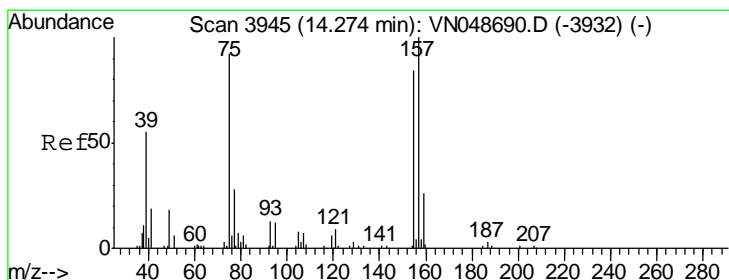
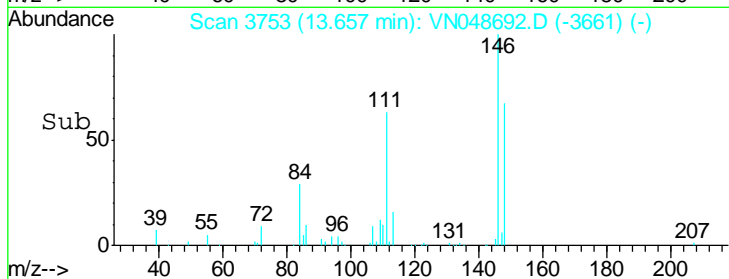
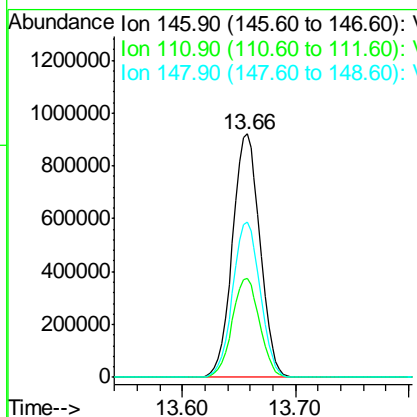
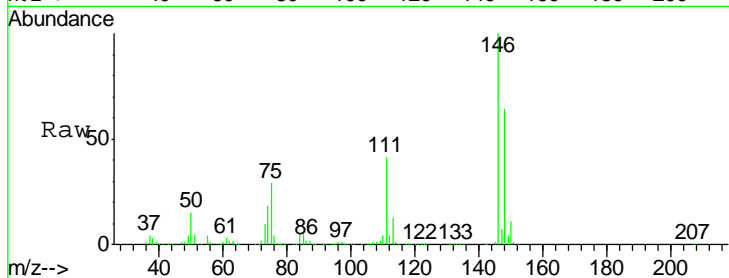
#91
 1,2-Dichlorobenzene
 Concen: 136.31 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
146	1556323		
146	100		
111	40.6	19.9	59.6
148	63.9	32.0	96.0

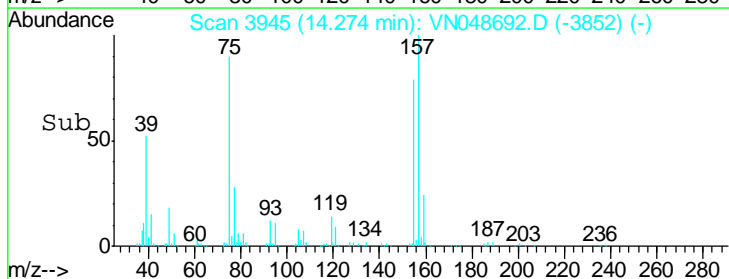
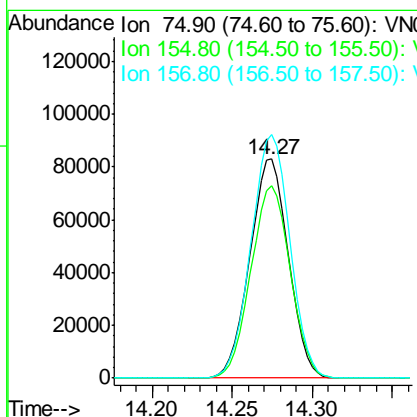
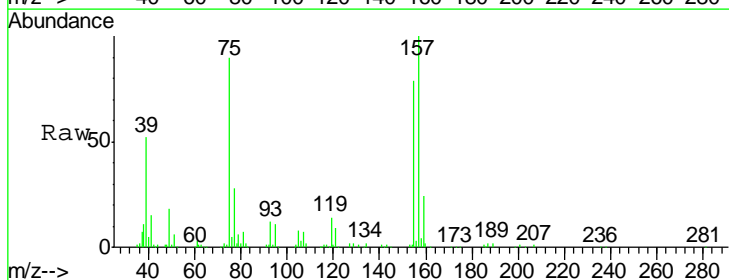
Manual Integrations
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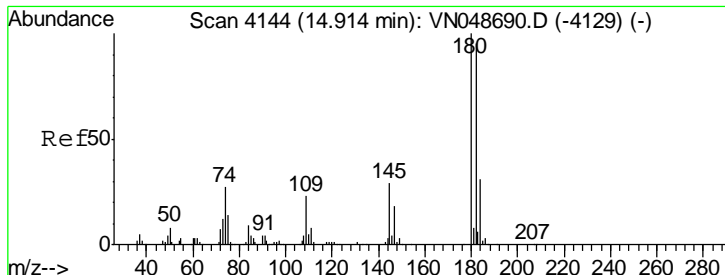
MMDadoda
 5/31/2018 11:12:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 104.19 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

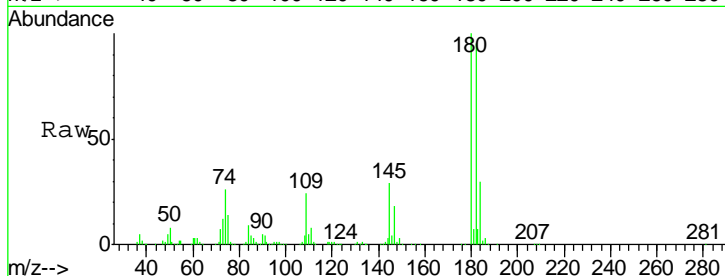
Tgt Ion	Resp	Lower	Upper
75	137653		
75	100		
155	89.2	47.1	141.4
157	111.9	60.9	182.6





#93
 1,2,4-Trichlorobenzene
 Concen: 204.48 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

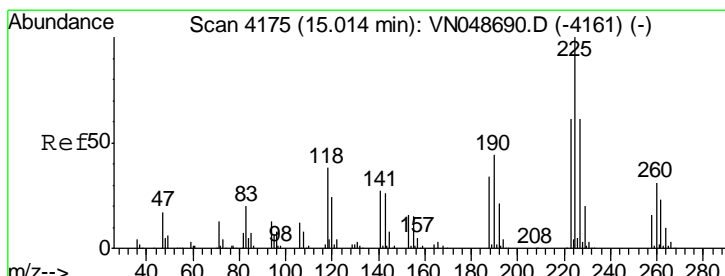
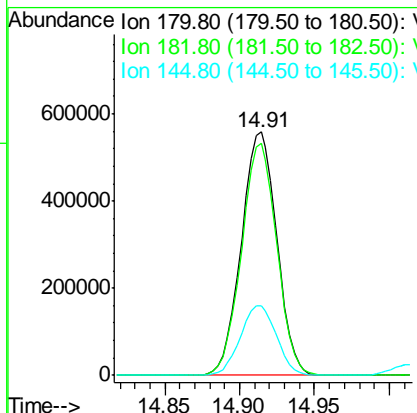
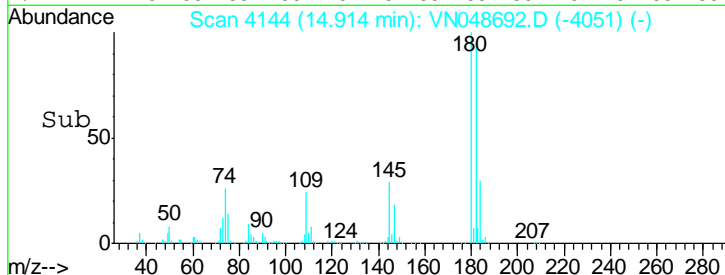
Instrument : MSVOA_N
 Client Sampled : VSTDIC150



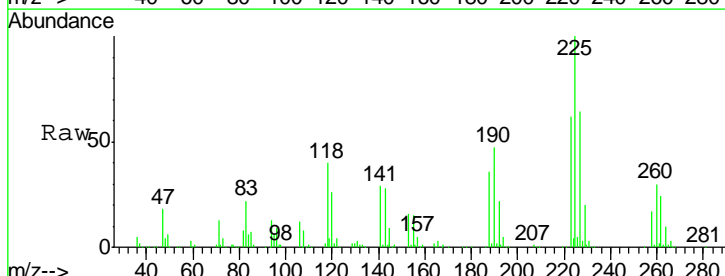
Tgt Ion	Resp	Lower	Upper
180	100		
182	94.8	47.9	143.8
145	29.2	14.6	43.8

Manual Integrations
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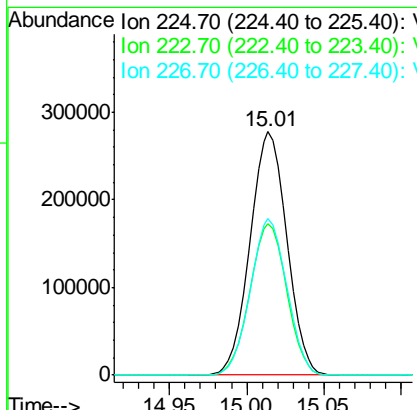
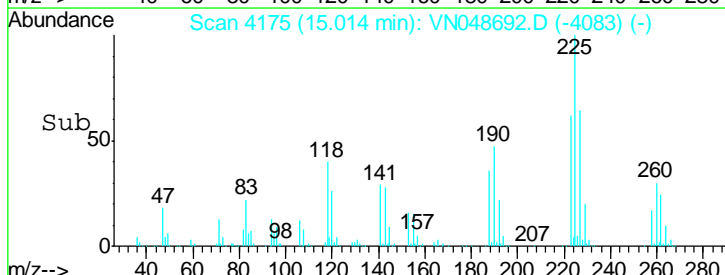
MMDadoda
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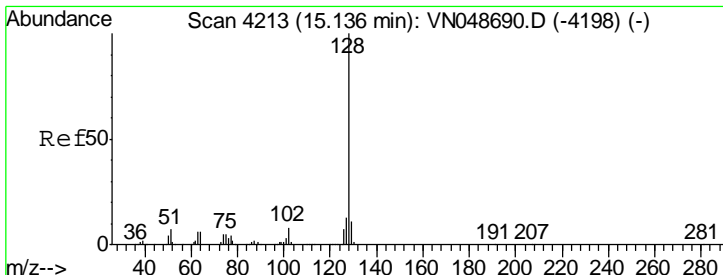


#94
 Hexachlorobutadiene
 Concen: 127.33 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56



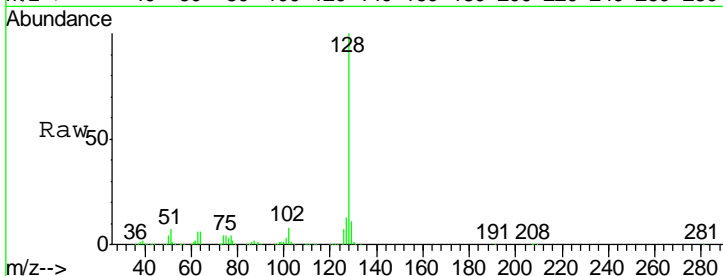
Tgt Ion	Resp	Lower	Upper
225	100		
223	62.4	31.3	93.8
227	63.6	31.9	95.5





#95
 Naphthalene
 Concen: 170.73 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56

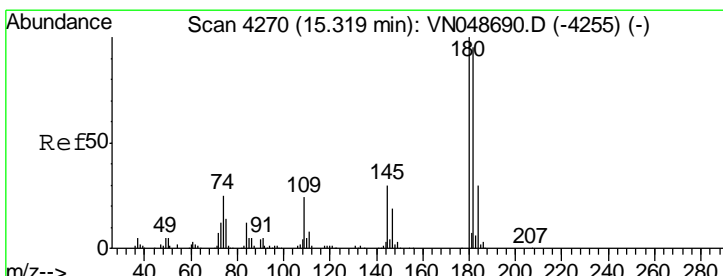
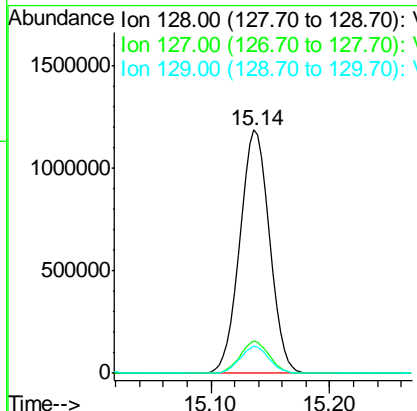
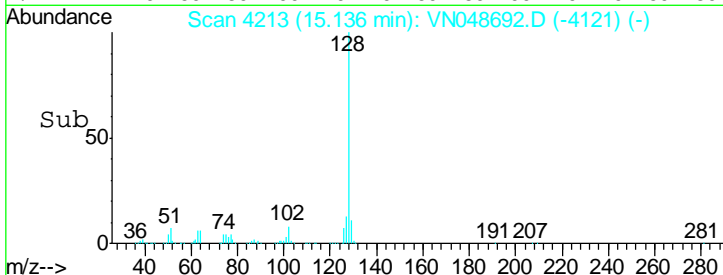
Instrument : MSVOA_N
 Client Sampled : VSTDIC150



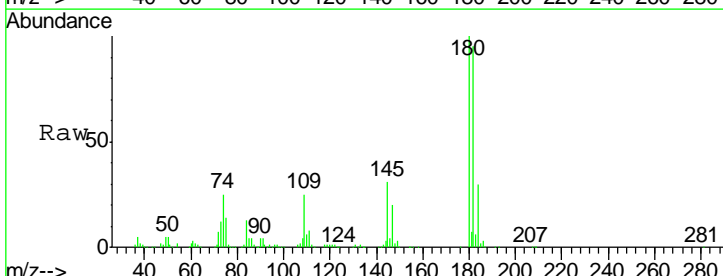
Tgt Ion: 128 Resp: 2047026

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.7	13.1

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 5/31/2018 11:12:38 AM

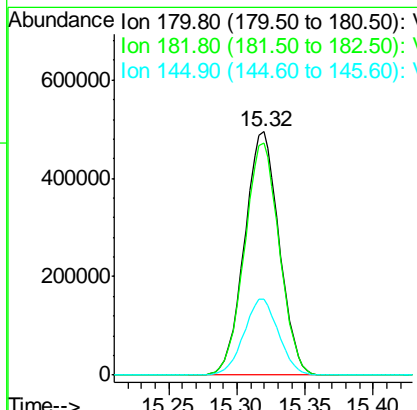
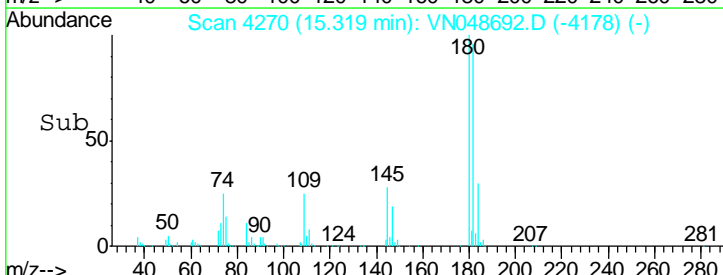


#96
 1,2,3-Trichlorobenzene
 Concen: 184.17 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: VN048692.D
 Acq: 29 May 2018 12:56



Tgt Ion: 180 Resp: 871135

Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.4	145.0
145	31.3	15.3	45.9



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048693.D
 Acq On : 29 May 2018 13:43
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN052918

Manual Integrations
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apatel
 6/1/2018 11:15:37 AM

Quant Time: May 31 12:01:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	407339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	591766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	536183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	289945	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	7.59	113	266284	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
50) Toluene-d8	10.09	98	985443	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.40	95	350619	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	215126	44.10	ug/l	98
3) Chloromethane	2.06	50	302819	44.17	ug/l	100
4) Vinyl Chloride	2.18	62	277931	43.16	ug/l	100
5) Bromomethane	2.56	94	150429	44.99	ug/l	96
6) Chloroethane	2.70	64	156648	42.93	ug/l	99
7) Trichlorofluoromethane	3.01	101	364267	41.94	ug/l	99
8) Diethyl Ether	3.41	74	140129	43.56	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	241148	43.29	ug/l	97
10) Methyl Iodide	3.95	142	329549	42.78	ug/l	98
11) Tert butyl alcohol	4.80	59	83691	204.57	ug/l	99
12) 1,1-Dichloroethene	3.73	96	227186	42.75	ug/l	96
13) Acrolein	3.61	56	130245	213.24	ug/l	100
14) Allyl chloride	4.32	41	420456	42.30	ug/l	97
15) Acrylonitrile	4.99	53	420003	218.43	ug/l	99
16) Acetone	3.82	43	340227	232.79	ug/l	98
17) Carbon Disulfide	4.05	76	726381	41.80	ug/l	100
18) Methyl Acetate	4.33	43	178257	41.09	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	630747	43.39	ug/l	100
20) Methylene Chloride	4.54	84	256568	40.33	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	245427	43.28	ug/l	98
22) Diisopropyl ether	5.95	45	809008	42.66	ug/l	96
23) Vinyl Acetate	5.90	43	2828170	219.42	ug/l	99
24) 1,1-Dichloroethane	5.85	63	470539	42.10	ug/l	99
25) 2-Butanone	6.84	43	489687	216.79	ug/l	99
26) 2,2-Dichloropropane	6.82	77	401139	43.11	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	275450	43.06	ug/l	98
28) Bromochloromethane	7.19	49	254572	50.19	ug/l	94
29) Tetrahydrofuran	7.21	42	316878	209.50	ug/l	97
30) Chloroform	7.37	83	454299	42.27	ug/l	100
31) Cyclohexane	7.65	56	448779	44.24	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	398530	42.57	ug/l	99
36) 1,1-Dichloropropene	7.79	75	366881	44.86	ug/l	99
37) Ethyl Acetate	6.93	43	215414	43.98	ug/l	99
38) Carbon Tetrachloride	7.77	117	361446	43.26	ug/l	98

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048693.D
 Acq On : 29 May 2018 13:43
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052918

Manual Integrations
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 6/1/2018 11:15:37 AM

Quant Time: May 31 12:01:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	424739	47.78	ug/l	99
40) Benzene	8.04	78	1047992	43.92	ug/l	99
41) Methacrylonitrile	7.18	41	126143	46.54	ug/l	97
42) 1,2-Dichloroethane	8.13	62	323366	43.42	ug/l	100
43) Isopropyl Acetate	8.17	43	399659	44.24	ug/l #	89
44) Trichloroethene	8.84	130	277844	45.25	ug/l	98
45) 1,2-Dichloropropane	9.12	63	288215	44.38	ug/l	98
46) Dibromomethane	9.21	93	160790	44.15	ug/l	94
47) Bromodichloromethane	9.40	83	356324	43.73	ug/l	99
48) Methyl methacrylate	9.20	41	189311	43.37	ug/l	99
49) 1,4-Dioxane	9.20	88	45066	838.59	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1045338	219.64	ug/l	100
52) Toluene	10.16	92	638301	45.33	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	370062	45.17	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	432016	45.34	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	225650	44.63	ug/l	99
56) Ethyl methacrylate	10.43	69	299010	42.46	ug/l	99
57) 1,3-Dichloropropane	10.71	76	385241	43.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	630495	239.04	ug/l	97
59) 2-Hexanone	10.75	43	715246	227.94	ug/l	100
60) Dibromochloromethane	10.90	129	262485	44.28	ug/l	99
61) 1,2-Dibromoethane	11.01	107	206295	41.33	ug/l	98
64) Tetrachloroethene	10.63	164	241188	44.43	ug/l	99
65) Chlorobenzene	11.44	112	697650	44.43	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	256310	43.36	ug/l	99
67) Ethyl Benzene	11.51	91	1239727	45.60	ug/l	99
68) m/p-Xylenes	11.63	106	949655	92.66	ug/l	100
69) o-Xylene	11.95	106	459620	46.50	ug/l	99
70) Styrene	11.97	104	739709	47.60	ug/l	100
71) Bromoform	12.13	173	169842	44.44	ug/l #	100
73) Isopropylbenzene	12.25	105	1229024	44.33	ug/l	100
74) N-amyl acetate	12.07	43	361685	44.30	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	271261	39.73	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	220169m	41.12	ug/l	
77) Bromobenzene	12.53	156	288568	42.81	ug/l	98
78) n-propylbenzene	12.59	91	1460383	45.86	ug/l	99
79) 2-Chlorotoluene	12.68	91	832258	43.58	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1005427	44.99	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	80079	41.29	ug/l	97
82) 4-Chlorotoluene	12.78	91	848948	44.75	ug/l	100
83) tert-Butylbenzene	13.00	119	874901	44.03	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1023840	45.60	ug/l	99
85) sec-Butylbenzene	13.17	105	1224777	46.47	ug/l	100
86) p-Isopropyltoluene	13.29	119	1068888	47.55	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	534239	44.95	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	523773	45.42	ug/l	99
89) n-Butylbenzene	13.62	91	934038	49.45	ug/l	99
90) Hexachloroethane	13.88	117	202478	42.04	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	510757	43.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43768	43.20	ug/l	91

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048693.D
 Acq On : 29 May 2018 13:43
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampleId :
 ICVVN052918

Manual Integrations
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Quant Time: May 31 12:01:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	284688	46.94	ug/l	99
94) Hexachlorobutadiene	15.01	225	183241	49.06	ug/l	100
95) Naphthalene	15.14	128	586031	44.42	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	273029	46.41	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

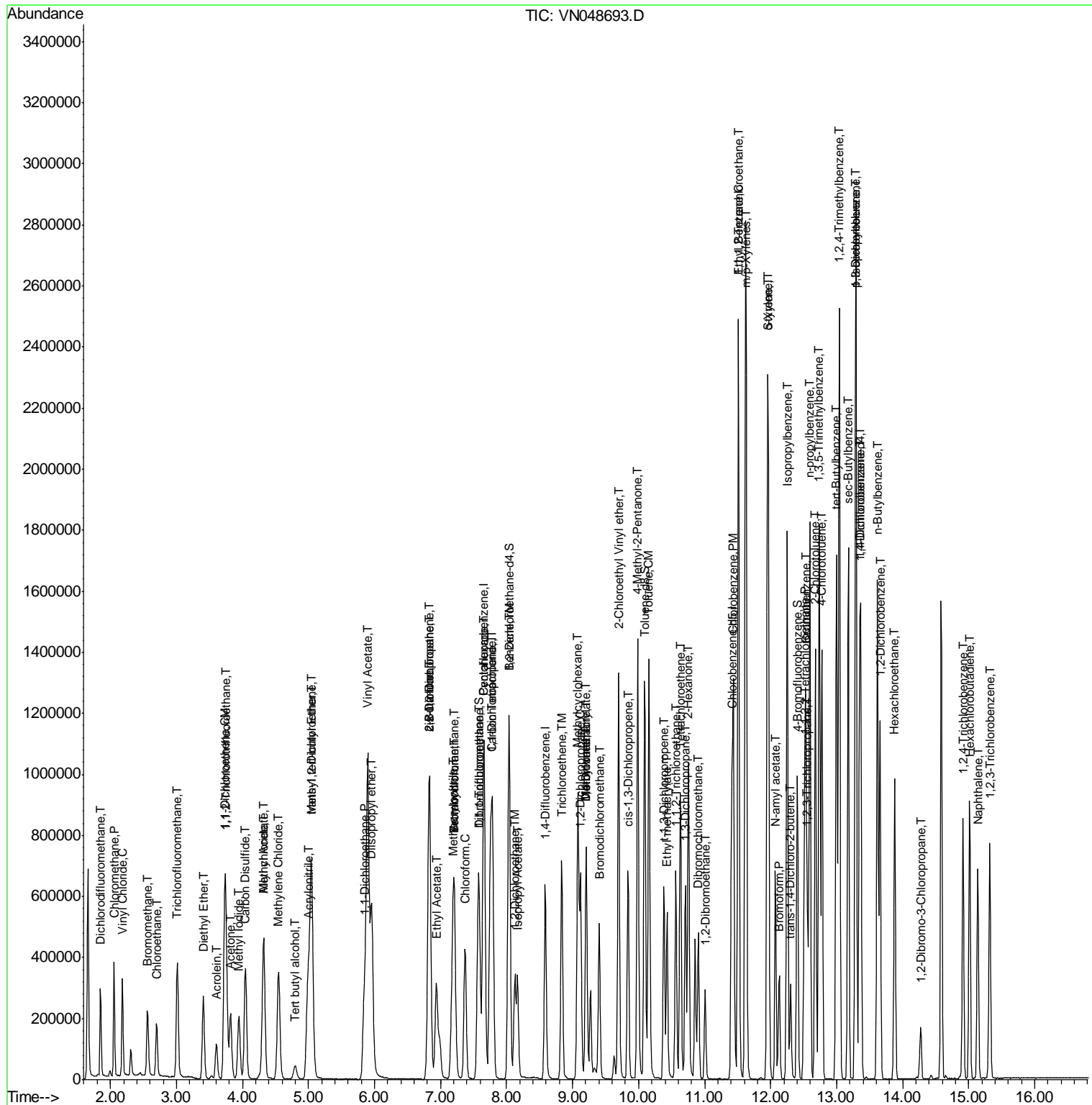
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Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048693.D
 Acq On : 29 May 2018 13:43
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

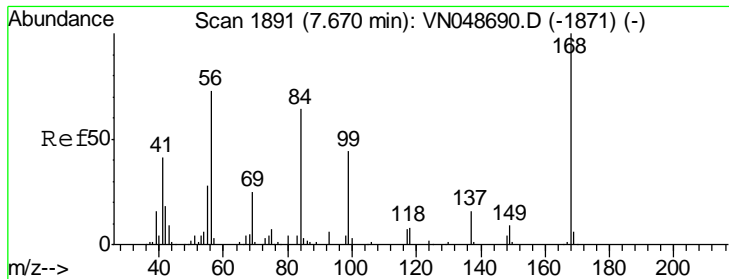
Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN052918

Manual Integrations
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Quant Time: May 31 12:01:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



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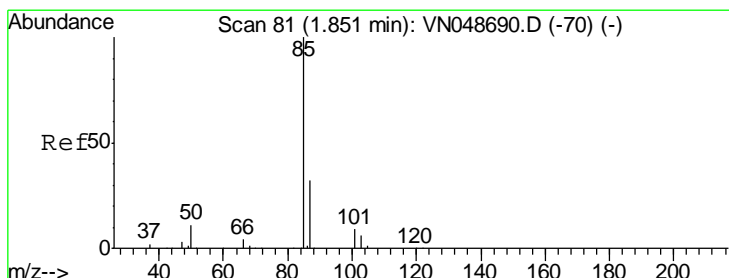
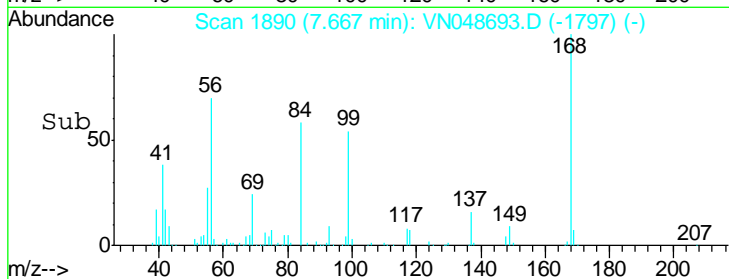
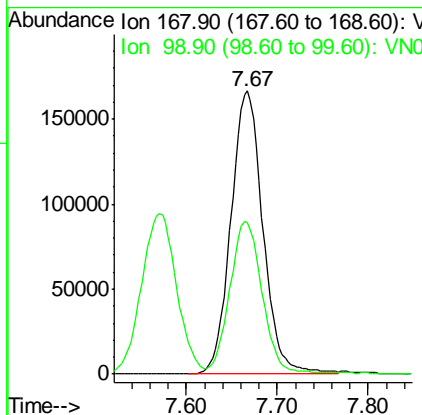
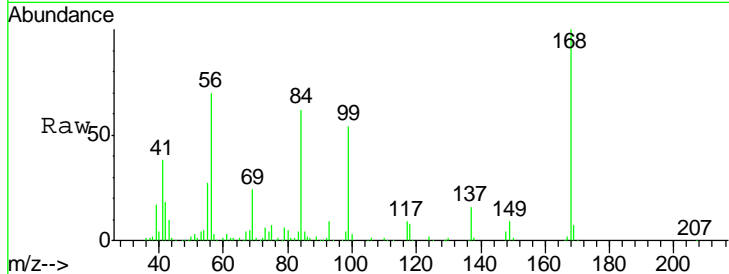
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 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 ClientSampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
168	407339		
168	100		
99	53.0	40.8	61.2

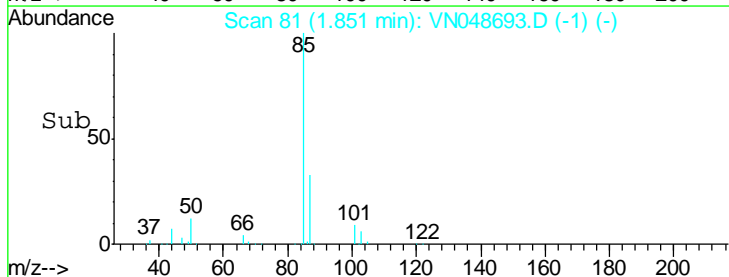
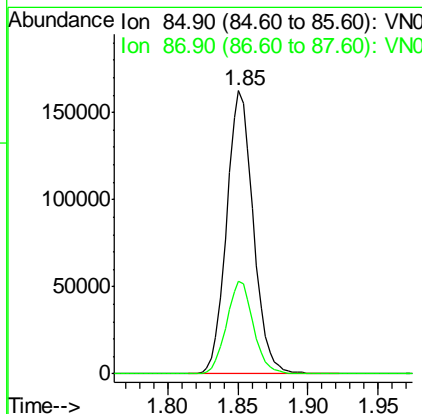
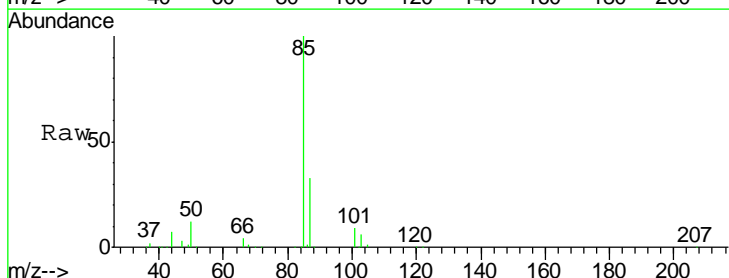
Manual Integrations
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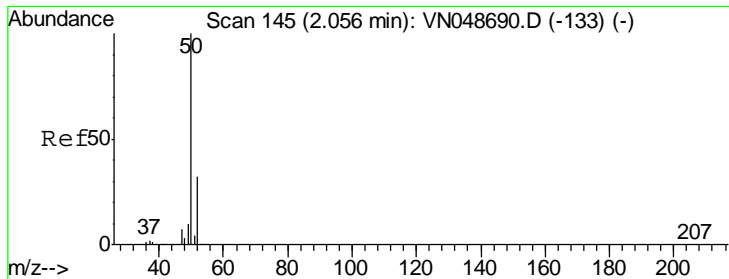
apatel
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#2
 Dichlorodifluoromethane
 Concen: 44.10 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
85	215126		
85	100		
87	32.8	15.9	47.7



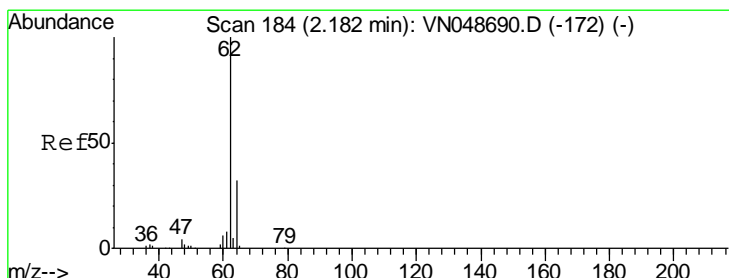
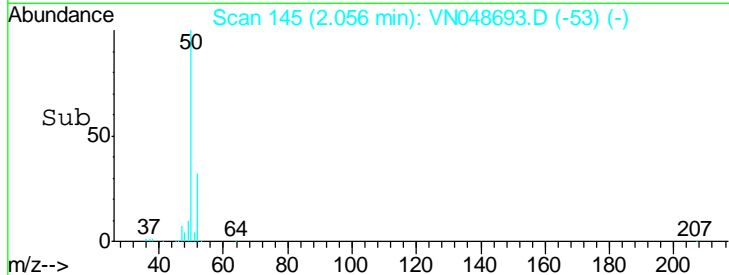
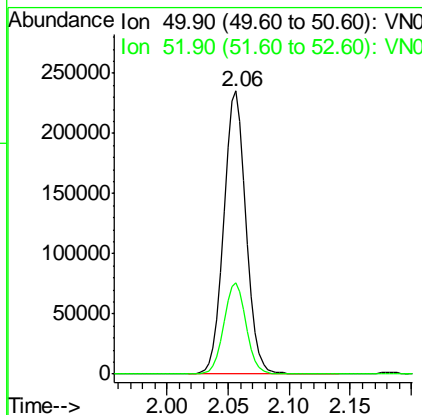
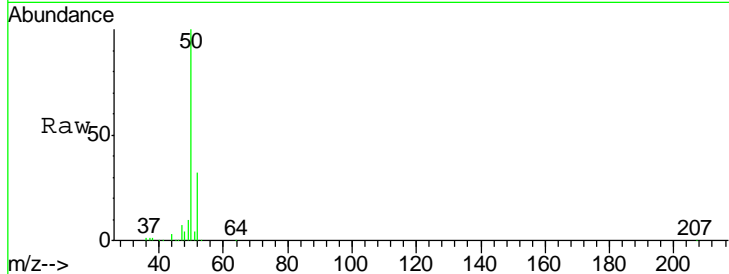


#3
 Chloromethane
 Concen: 44.17 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
50	302819		
52	32.4	26.0	39.0

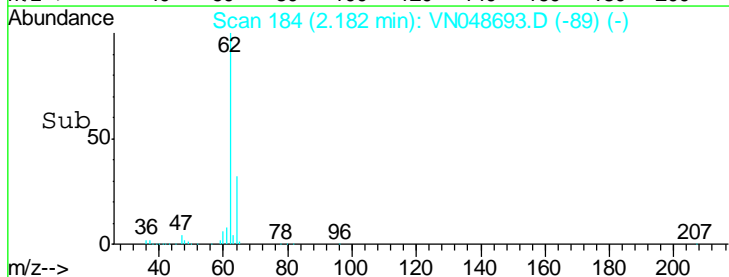
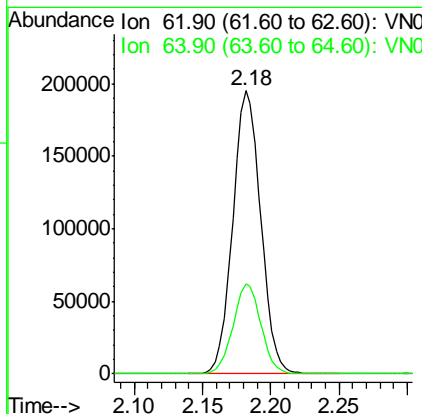
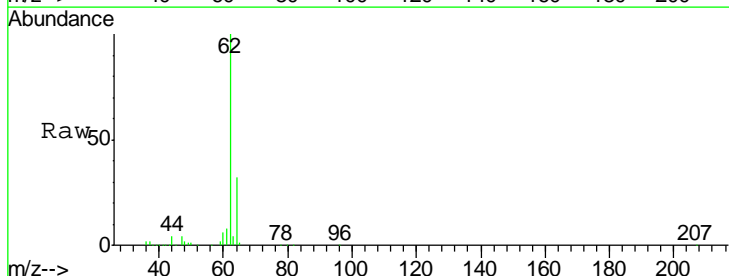
Instrument : MSVOA_N
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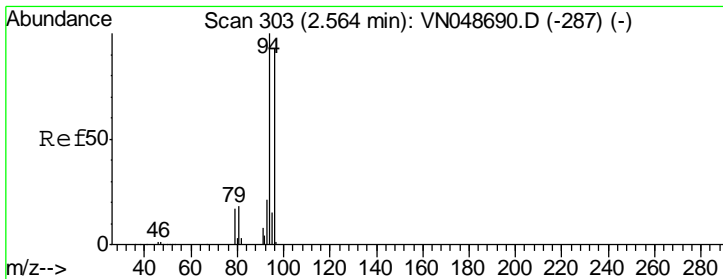
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#4
 Vinyl Chloride
 Concen: 43.16 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
62	277931		
64	31.8	25.6	38.4



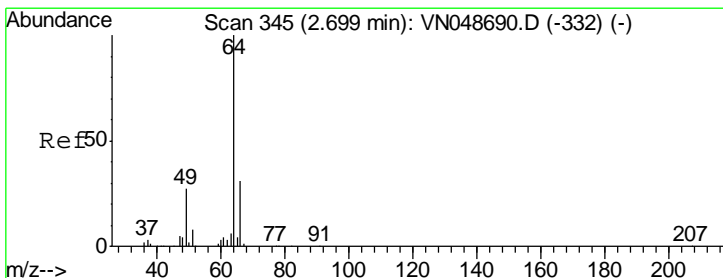
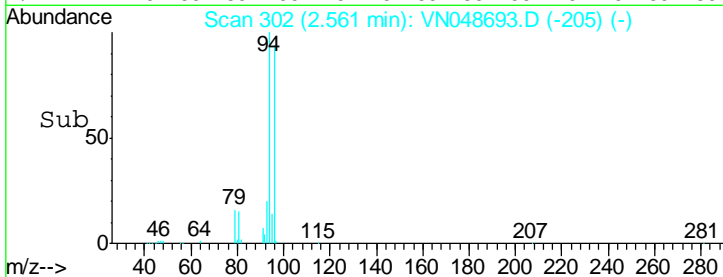
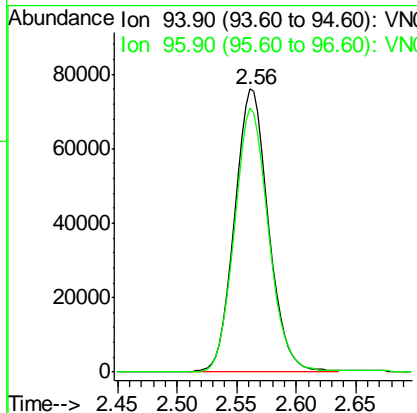
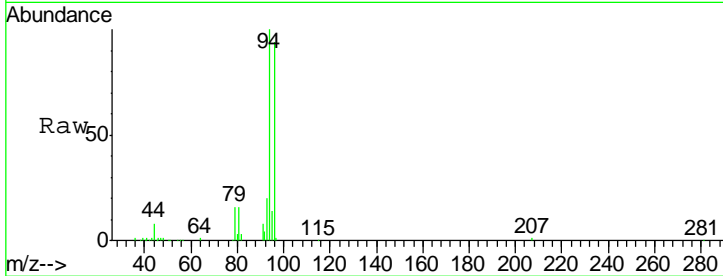


#5
 Bromomethane
 Concen: 44.99 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.01 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.3	78.0	117.0

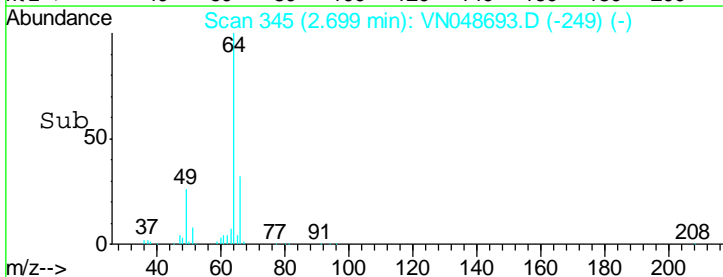
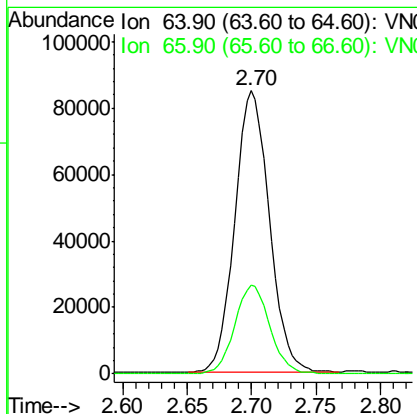
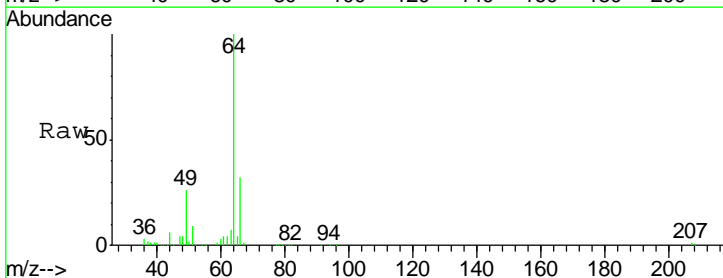
Instrument : MSVOA_N
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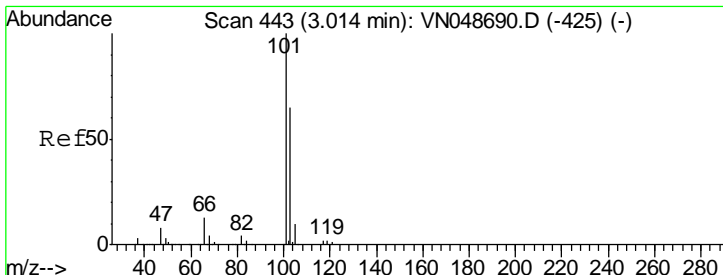
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 42.93 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.7	24.8	37.2





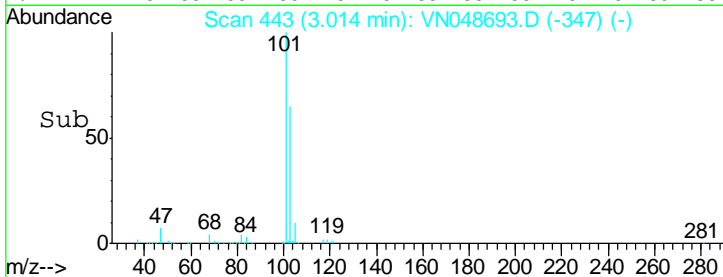
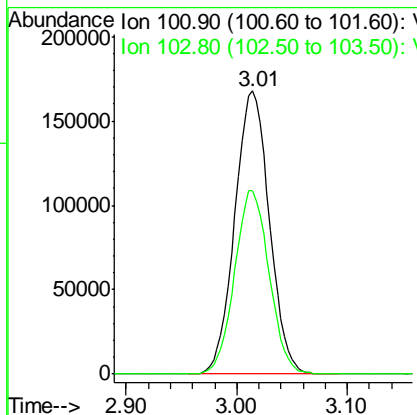
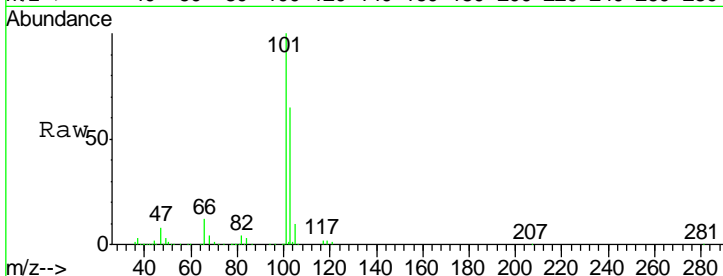
#7
 Trichlorofluoromethane
 Concen: 41.94 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
101	364267		
101	100		
103	64.7	50.8	76.2

Instrument : MSVOA_N
 ClientSampled : ICVVN052918

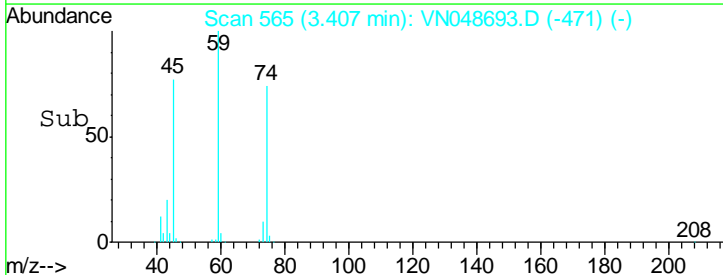
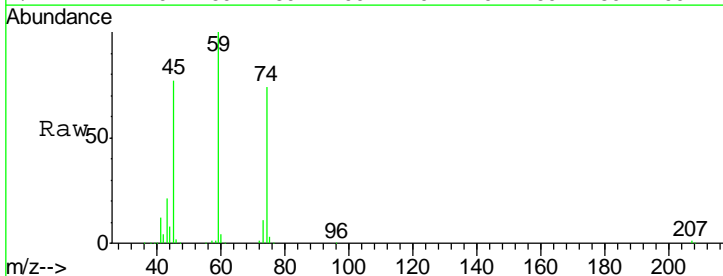
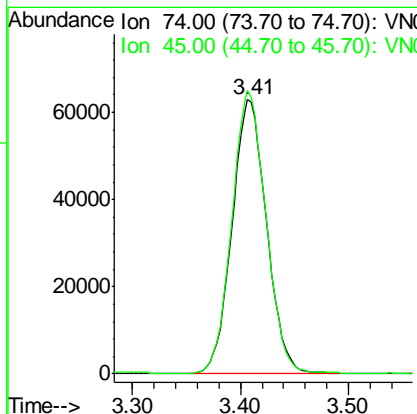
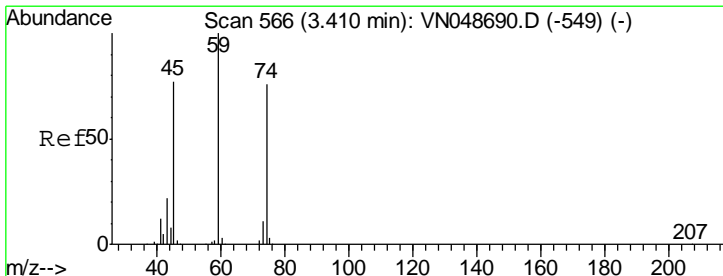
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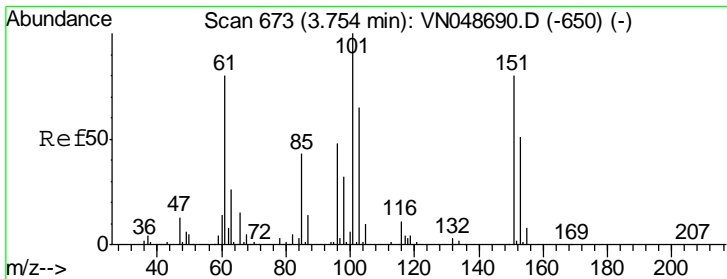
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#8
 Diethyl Ether
 Concen: 43.56 ug/l
 RT: 3.41 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
74	140129		
74	100		
45	102.6	50.0	150.0





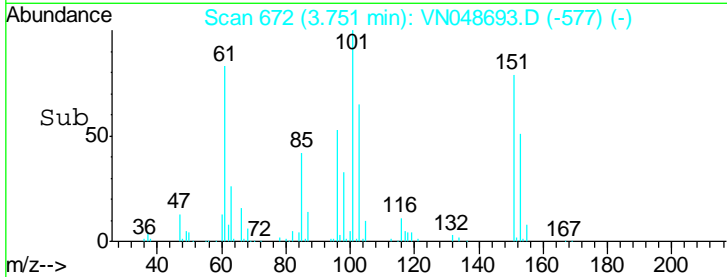
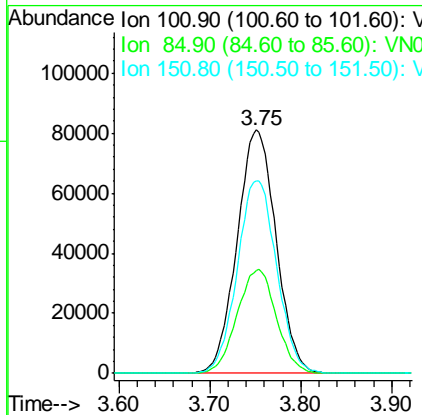
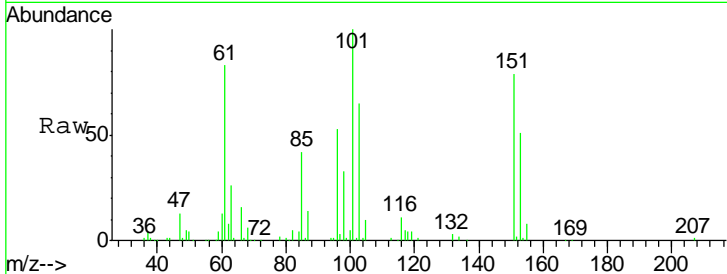
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 43.29 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. 0.01 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052918

Tgt Ion	Resp	Lower	Upper
101	241148		
101	100		
85	43.0	33.3	49.9
151	80.0	66.5	99.7

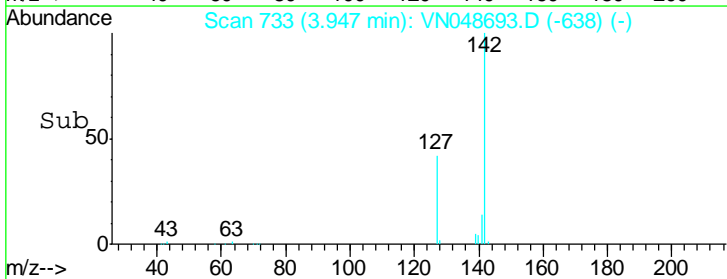
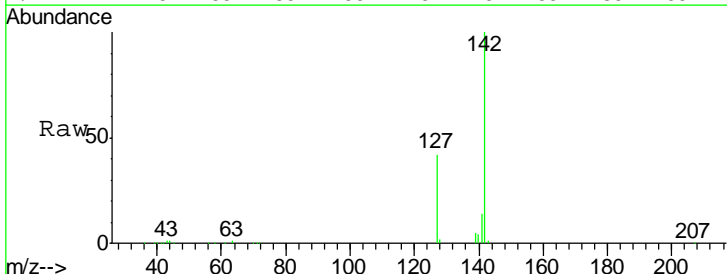
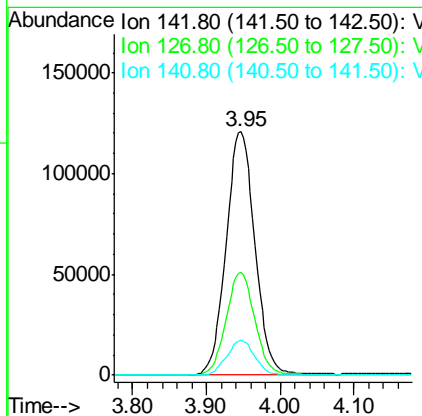
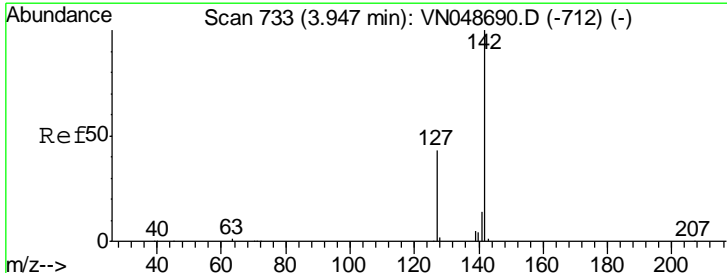
Manual Integrations
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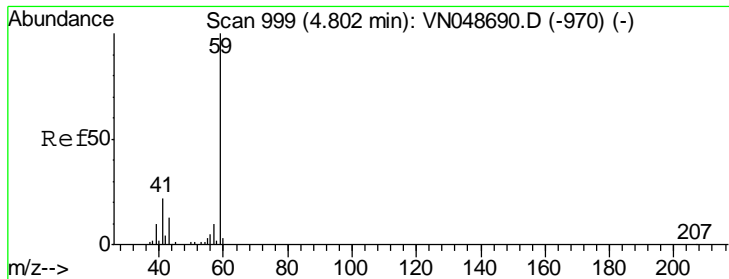
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#10
 Methyl Iodide
 Concen: 42.78 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
142	329549		
142	100		
127	41.9	32.5	48.7
141	13.8	11.3	16.9



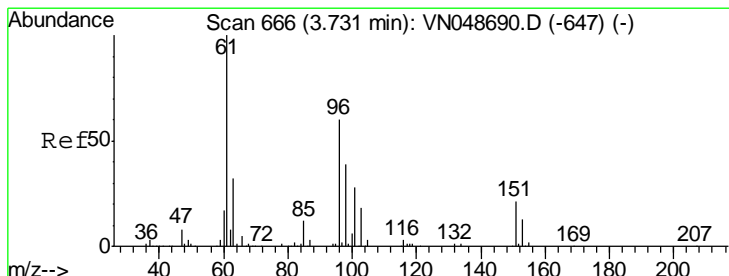
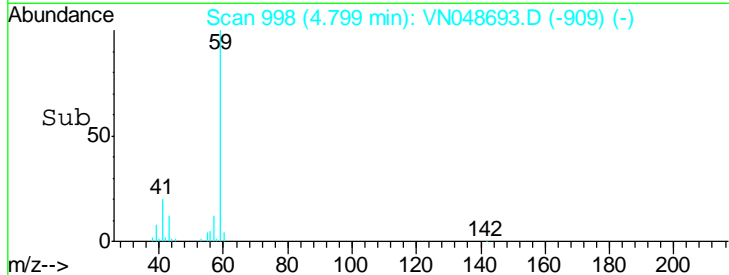
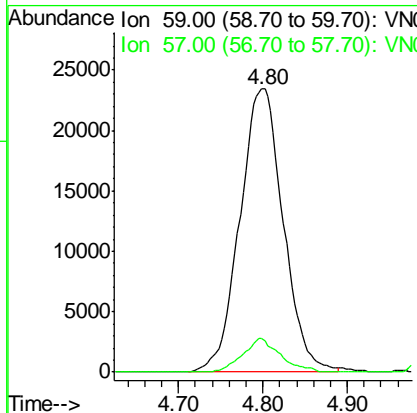
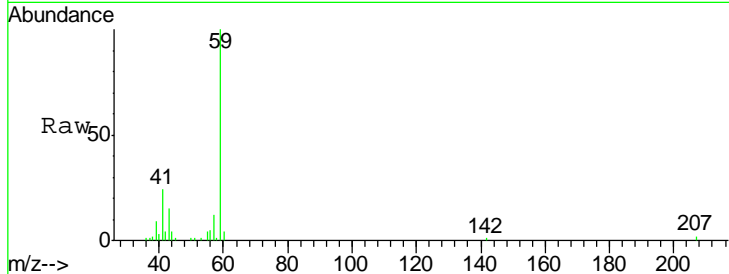


#11
 Tert butyl alcohol
 Concen: 204.57 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.3	8.1	12.1

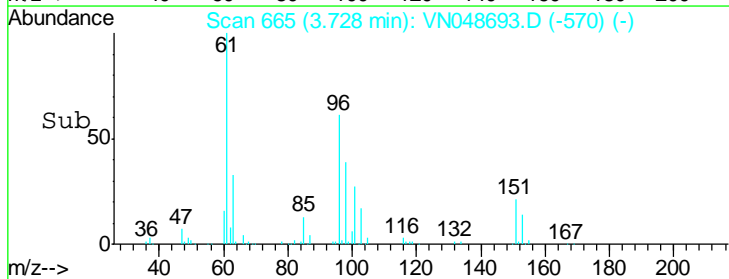
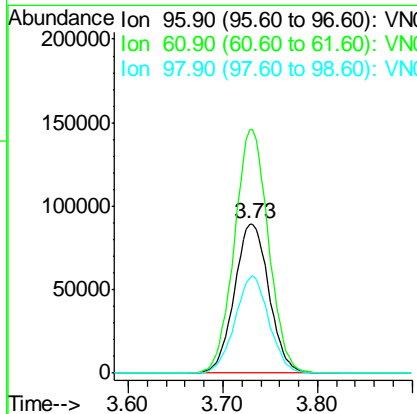
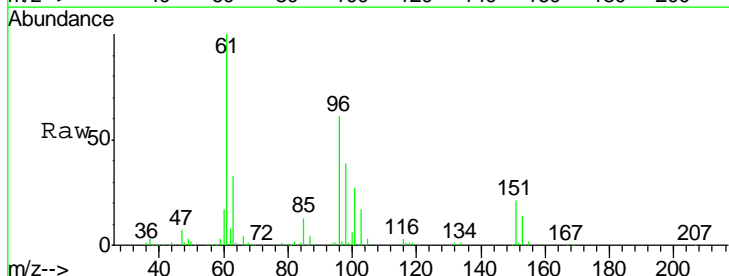
Instrument : MSVOA_N
 ClientSampled : ICVVN052918

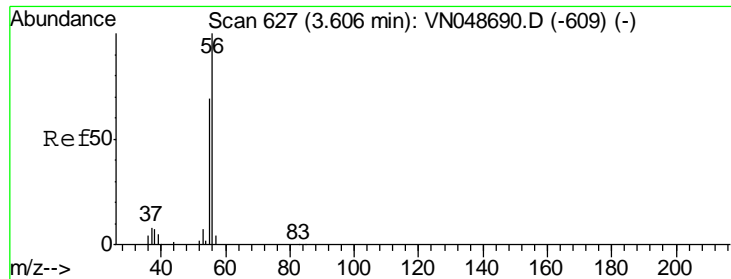
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#12
 1,1-Dichloroethene
 Concen: 42.75 ug/l
 RT: 3.73 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
96	100		
61	163.3	125.6	188.4
98	64.0	51.0	76.4





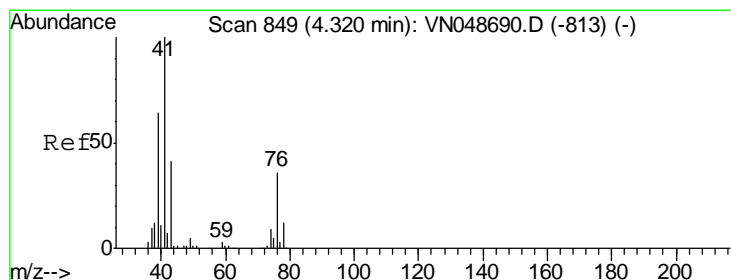
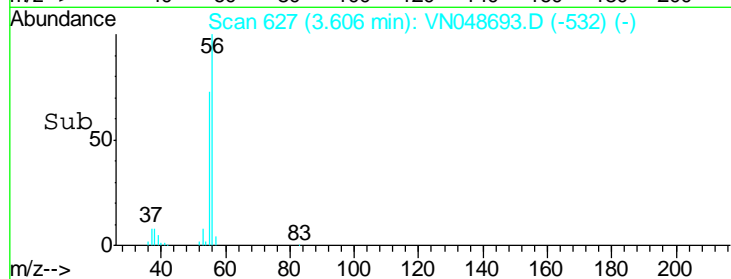
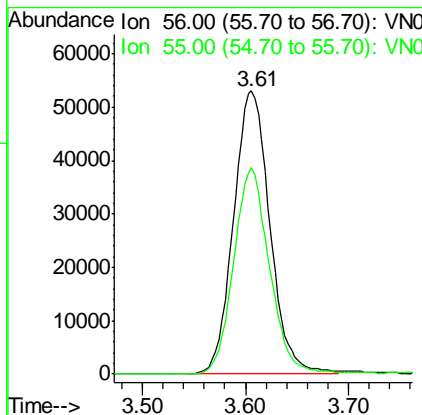
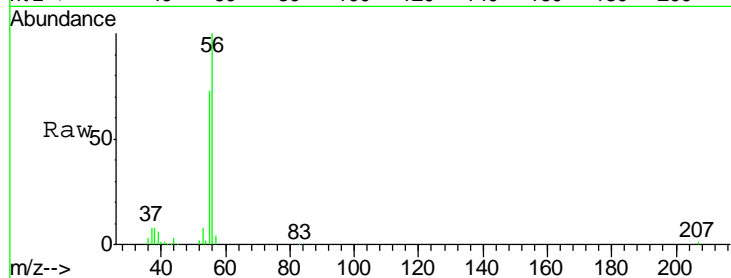
#13
 Acrolein
 Concen: 213.24 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
56	130245		
55	71.6	57.1	85.7

Instrument : MSVOA_N
 ClientSampleId : ICVVN052918

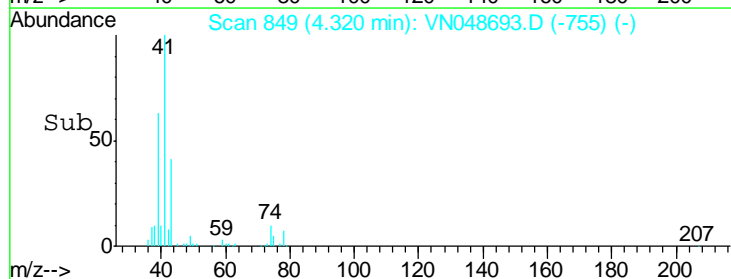
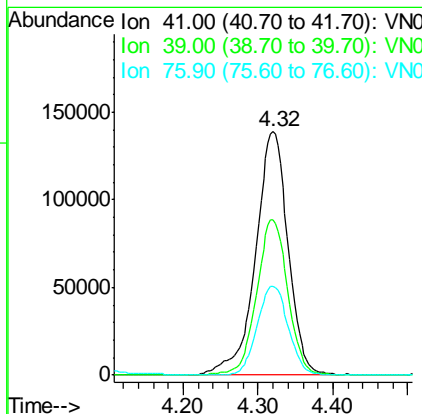
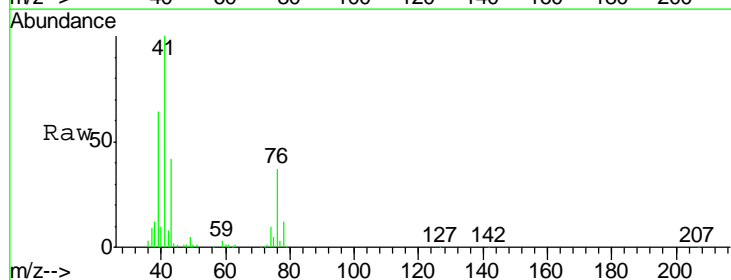
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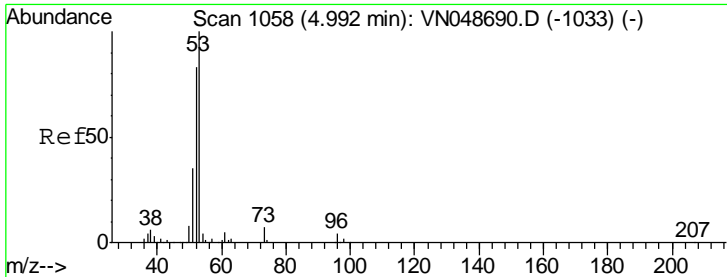
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#14
 Allyl chloride
 Concen: 42.30 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
41	420456		
39	61.3	51.1	76.7
76	34.6	28.2	42.2





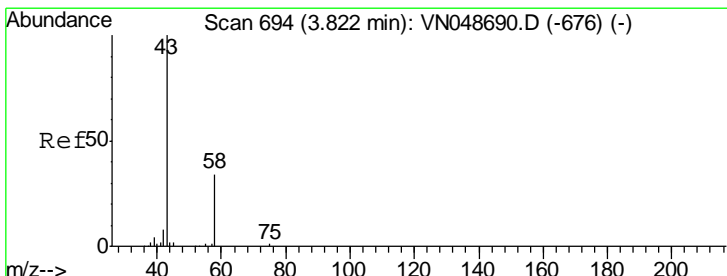
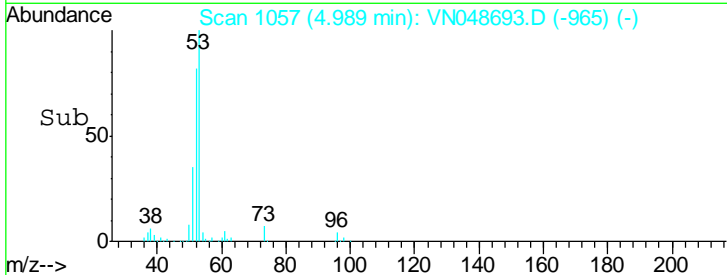
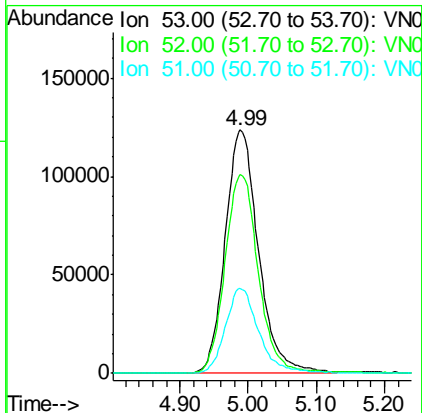
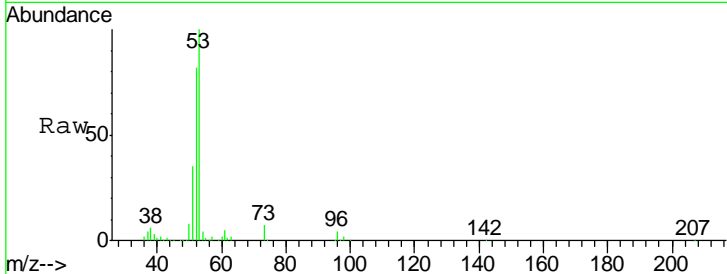
#15
 Acrylonitrile
 Concen: 218.43 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
53	420003		
52	82.4	65.5	98.3
51	34.8	28.8	43.2

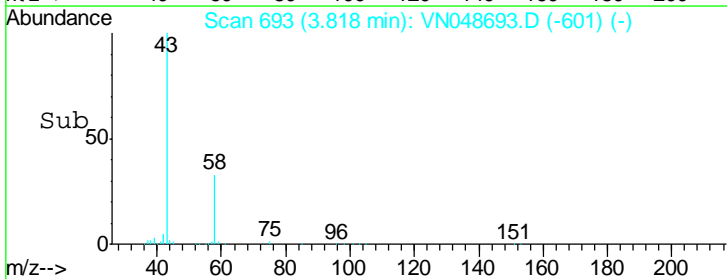
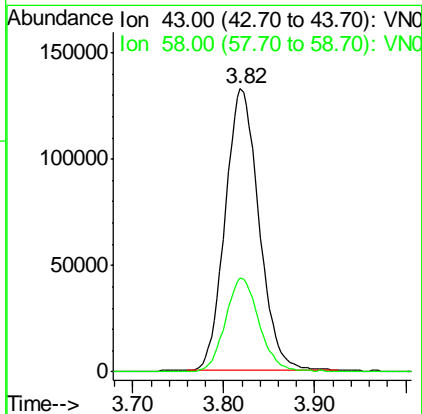
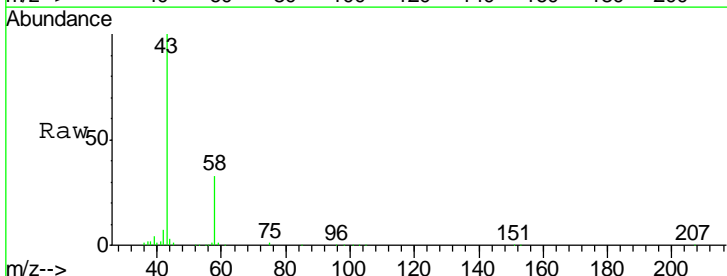
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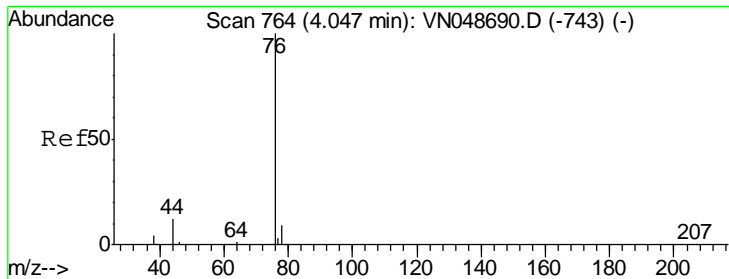
apatel
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#16
 Acetone
 Concen: 232.79 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
43	340227		
58	33.0	25.4	38.0





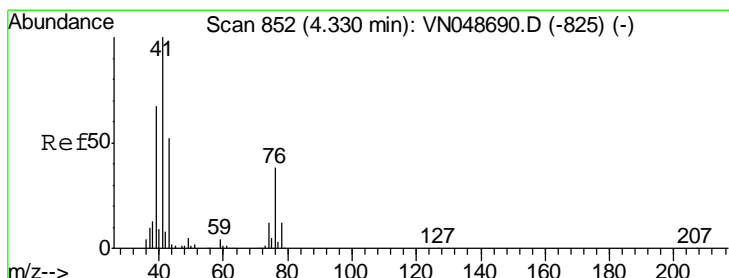
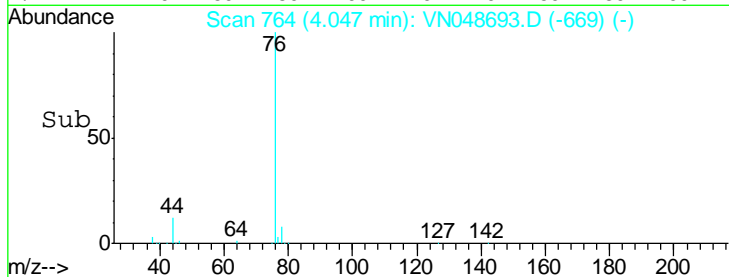
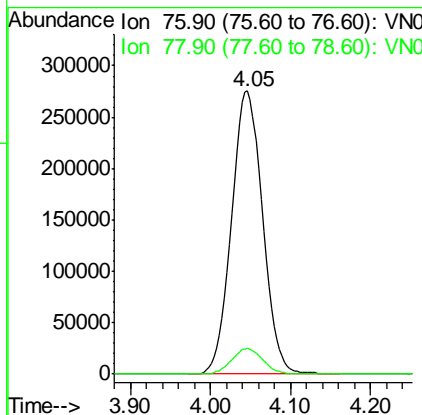
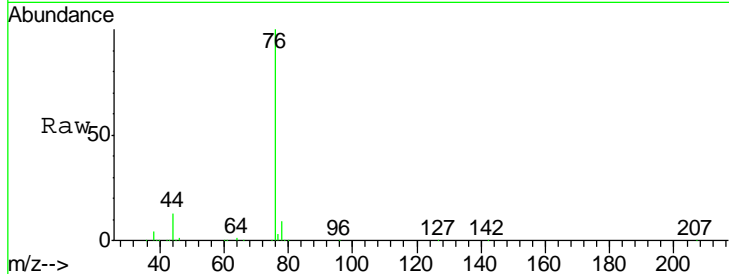
#17
 Carbon Disulfide
 Concen: 41.80 ug/l
 RT: 4.05 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052918

Tgt Ion	Resp	Lower	Upper
76	726381		
76	100		
78	9.1	7.2	10.8

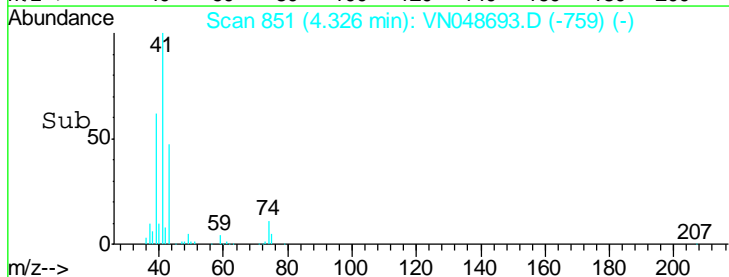
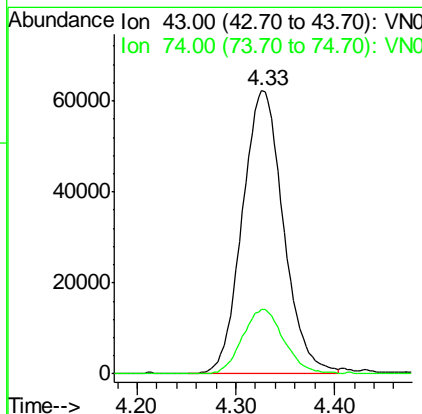
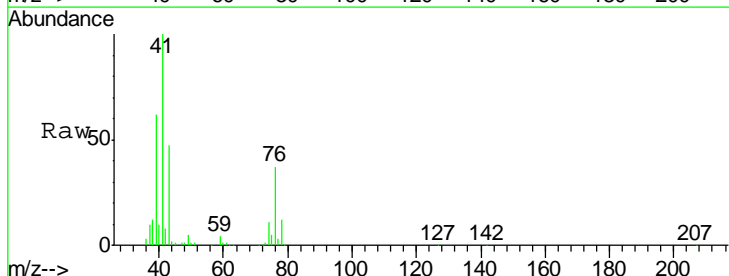
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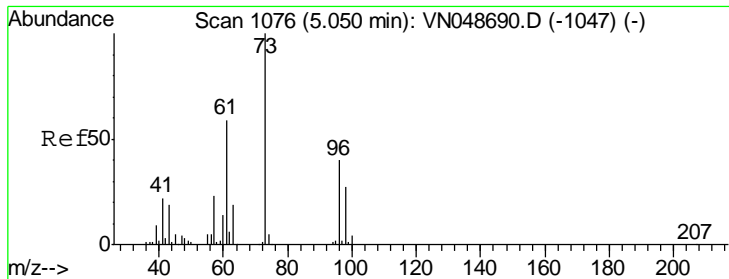
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#18
 Methyl Acetate
 Concen: 41.09 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
43	178257		
43	100		
74	23.2	18.4	27.6





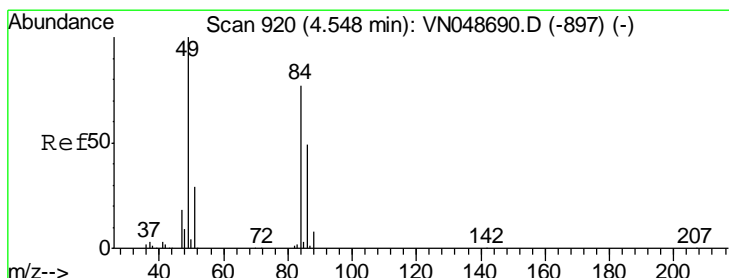
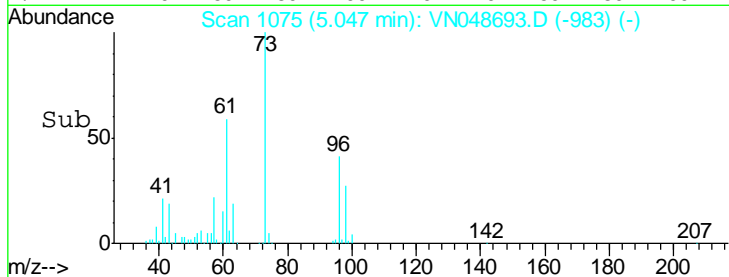
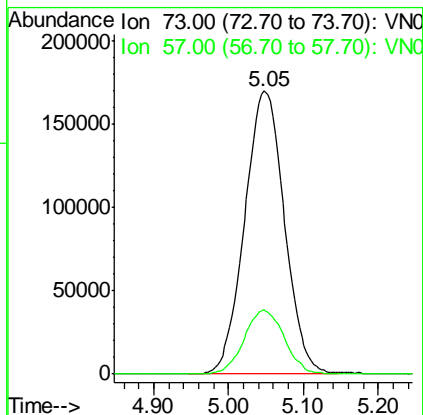
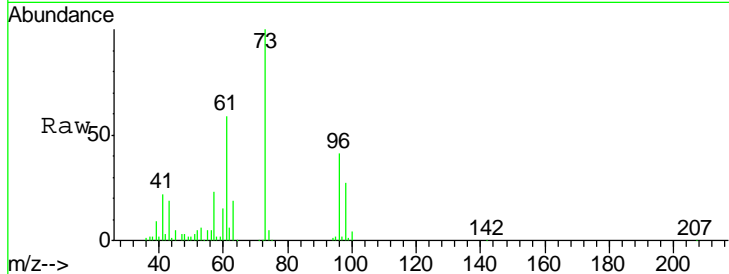
#19
 Methyl tert-butyl Ether
 Concen: 43.39 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052918

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.6	18.0	27.0

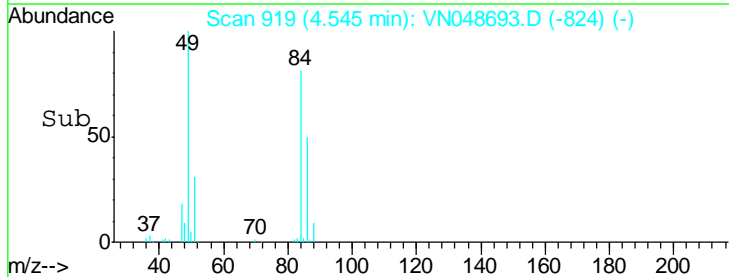
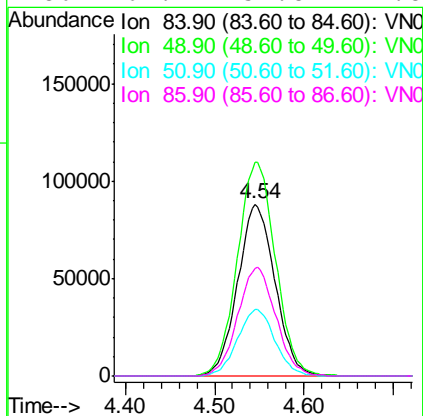
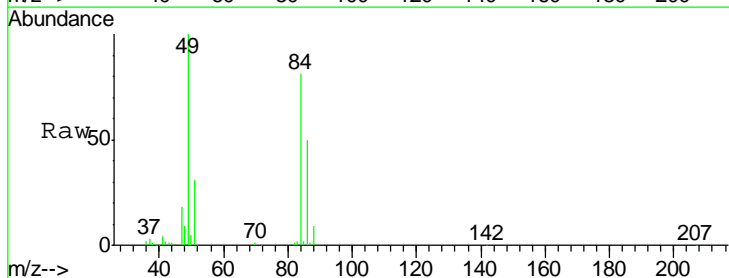
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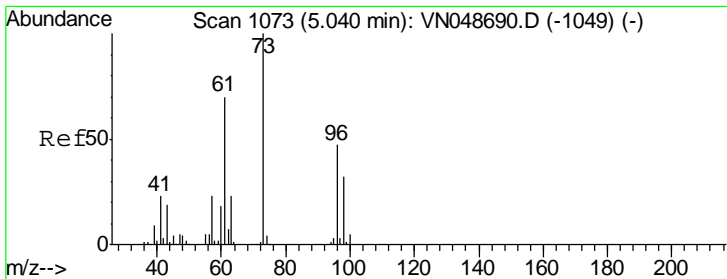
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#20
 Methylene Chloride
 Concen: 40.33 ug/l
 RT: 4.54 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

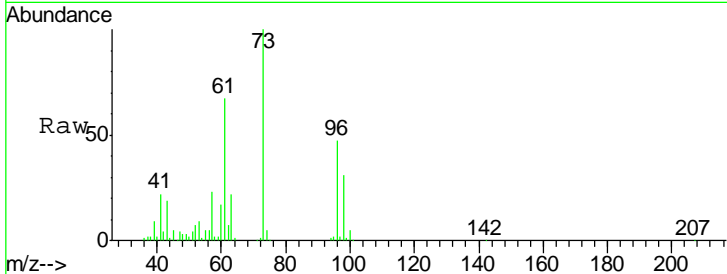
Tgt Ion	Resp	Lower	Upper
84	100		
49	124.2	97.7	146.5
51	38.6	30.4	45.6
86	62.4	51.8	77.8





#21
 trans-1,2-Dichloroethene
 Concen: 43.28 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052918

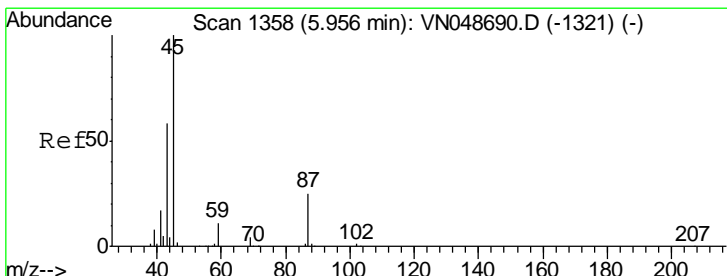
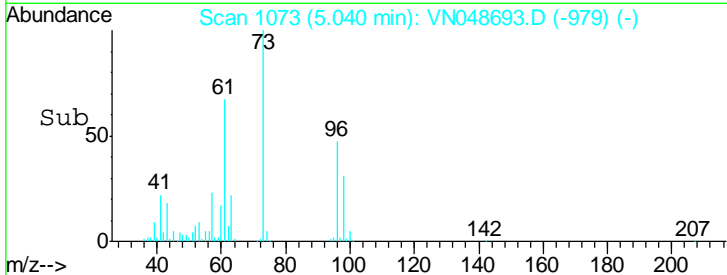
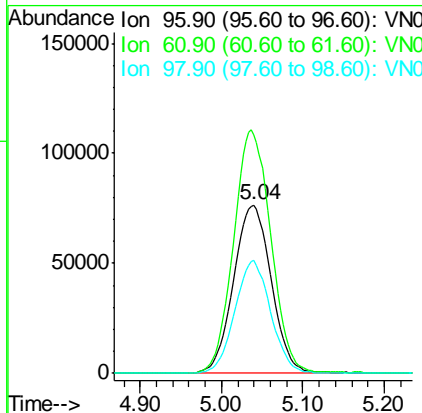


Tgt Ion: 96 Resp: 245427

Ion	Ratio	Lower	Upper
96	100		
61	141.7	112.2	168.2
98	66.7	50.5	75.7

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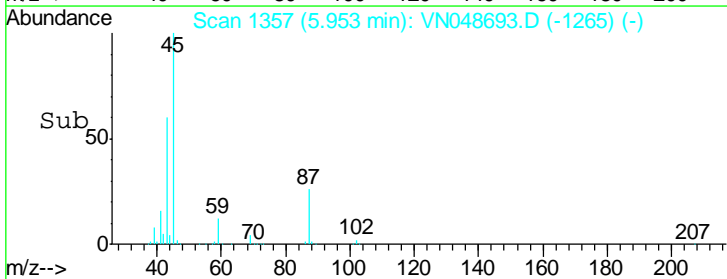
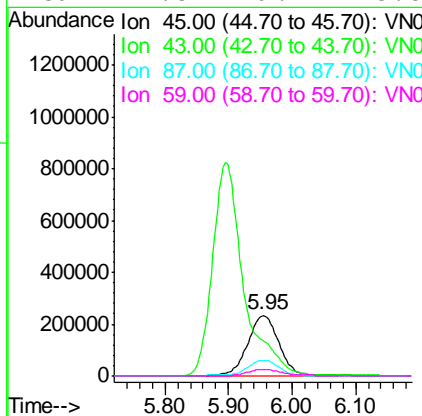
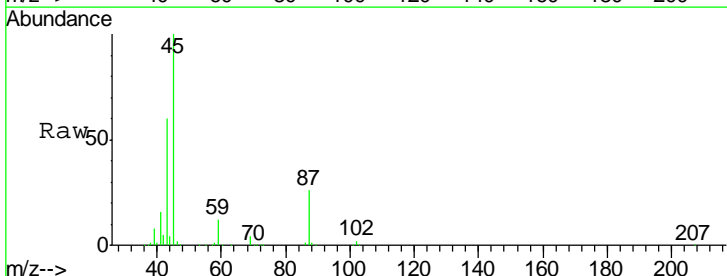
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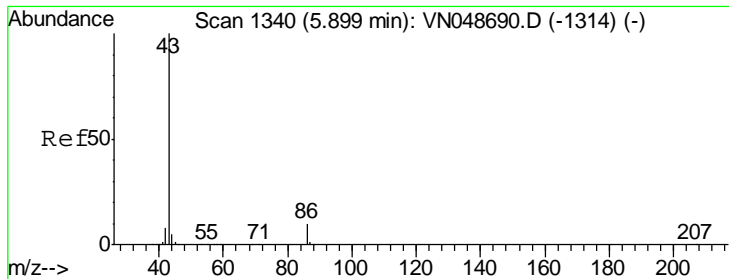


#22
 Diisopropyl ether
 Concen: 42.66 ug/l
 RT: 5.95 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion: 45 Resp: 809008

Ion	Ratio	Lower	Upper
45	100		
43	58.1	43.8	65.8
87	25.4	21.8	32.6
59	11.5	9.2	13.8





#23
 Vinyl Acetate
 Concen: 219.42 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

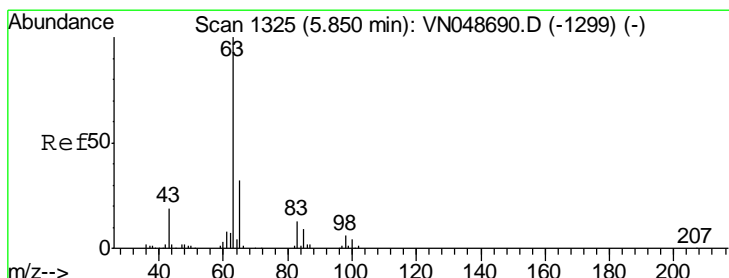
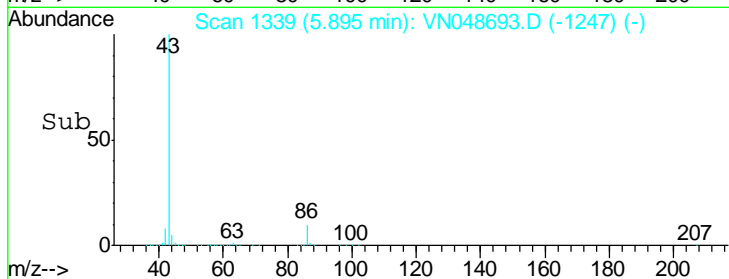
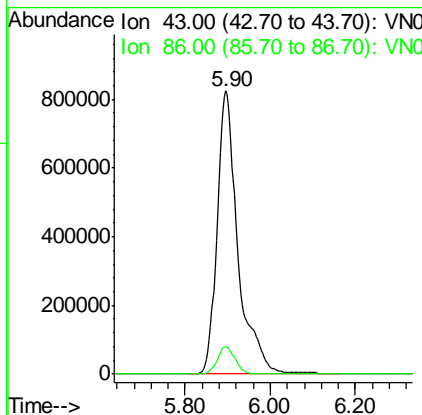
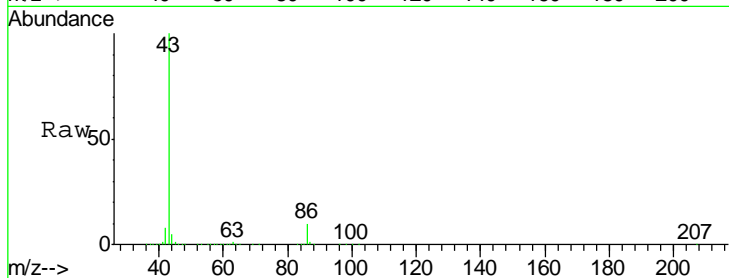
Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion: 43 Resp: 2828170

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.2	12.2

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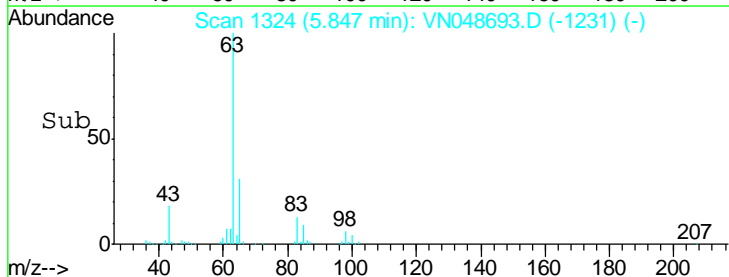
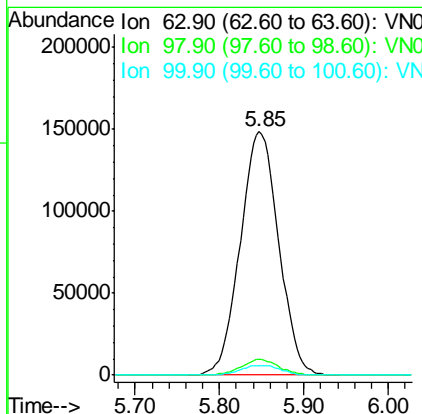
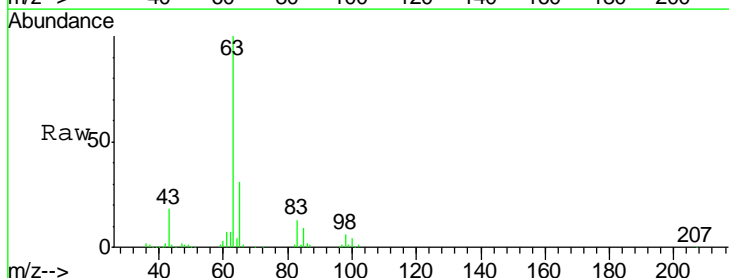
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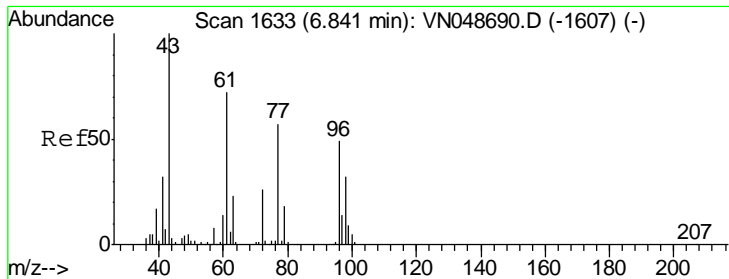


#24
 1,1-Dichloroethane
 Concen: 42.10 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion: 63 Resp: 470539

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.2	9.6
100	3.9	2.1	6.3





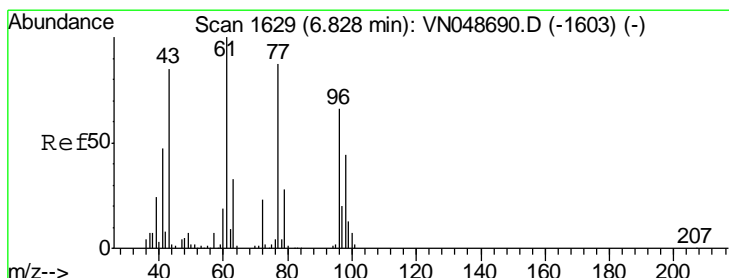
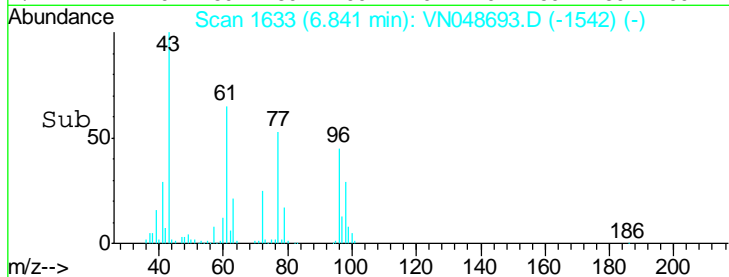
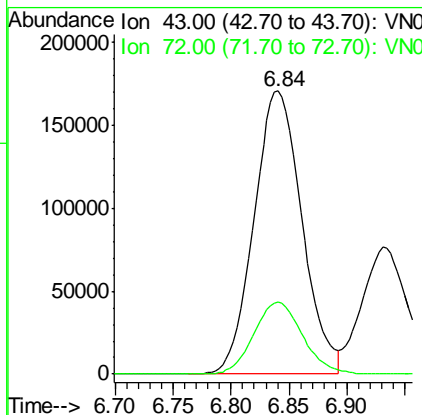
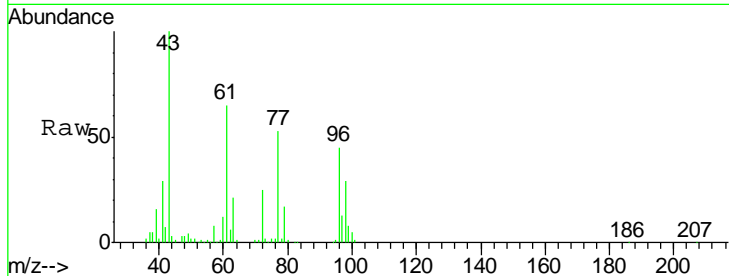
#25
 2-Butanone
 Concen: 216.79 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.4	20.8	31.2

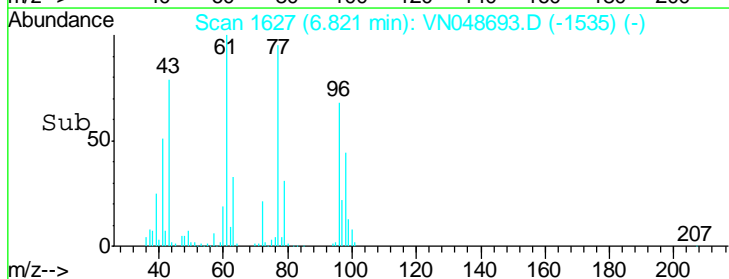
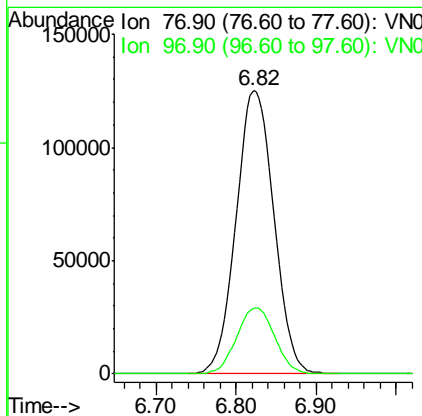
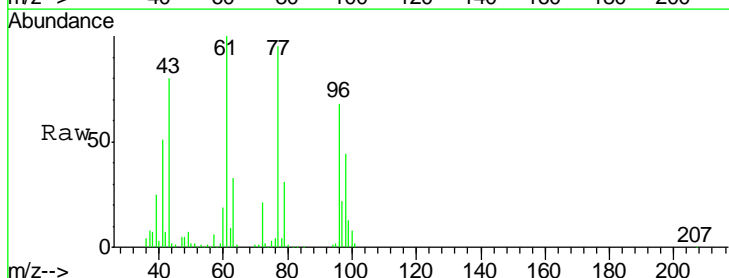
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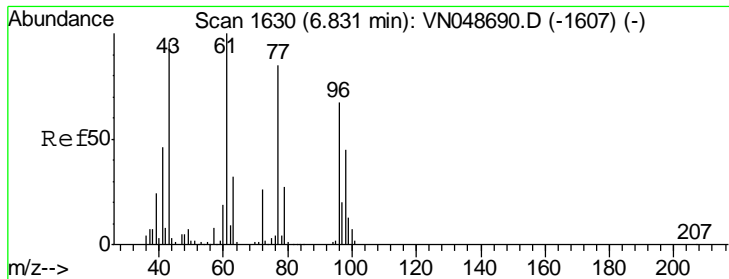
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#26
 2,2-Dichloropropane
 Concen: 43.11 ug/l
 RT: 6.82 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.5	11.9	35.5





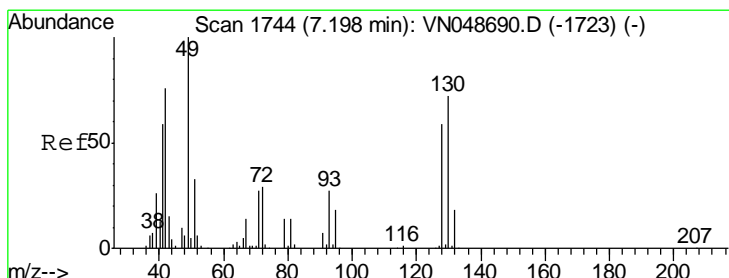
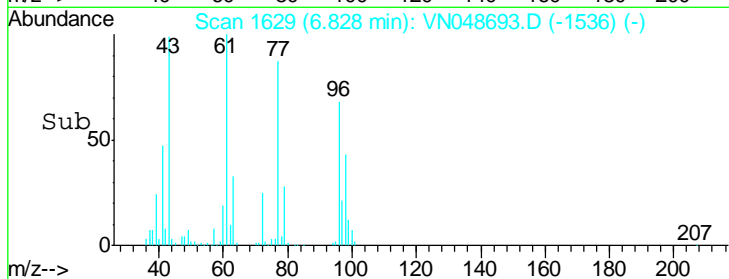
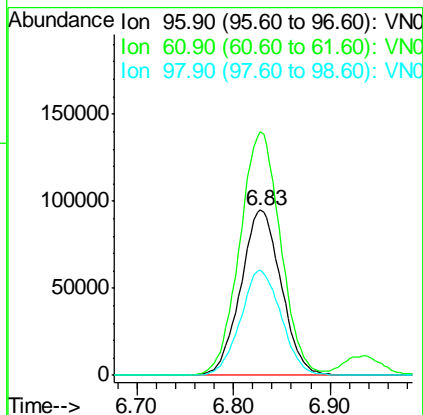
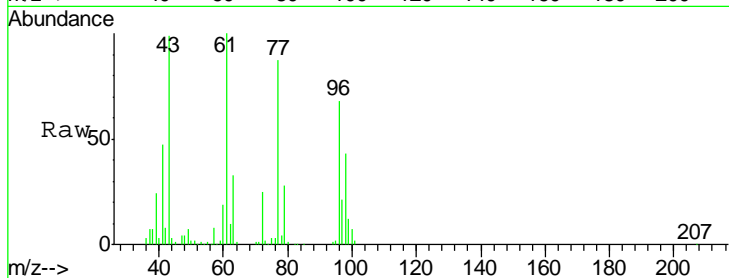
#27
 cis-1,2-Dichloroethene
 Concen: 43.06 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 ClientSampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
96	275450		
96	100		
61	149.0	0.0	292.6
98	64.0	0.0	128.2

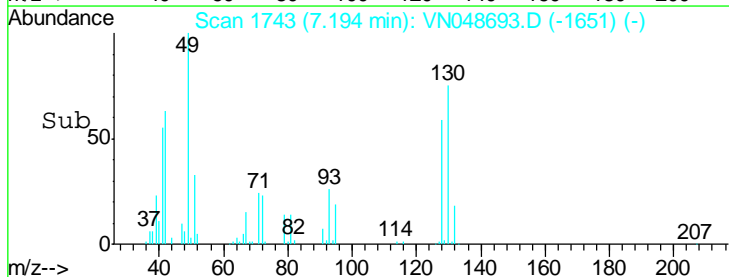
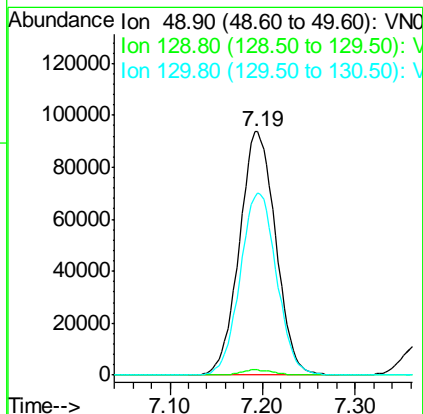
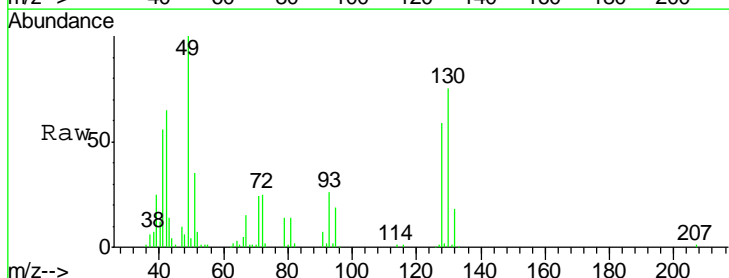
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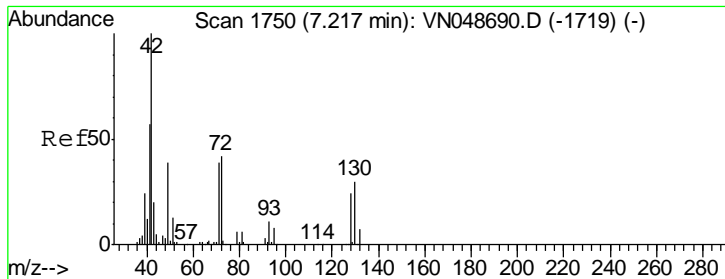
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#28
 Bromochloromethane
 Concen: 50.19 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
49	254572		
49	100		
129	1.9	0.0	3.8
130	75.0	64.2	96.2





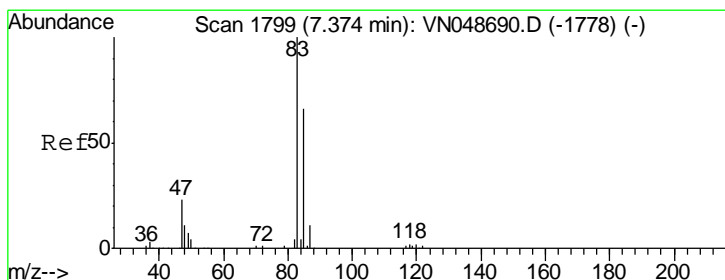
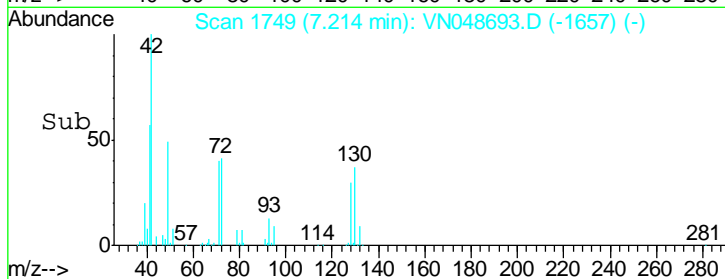
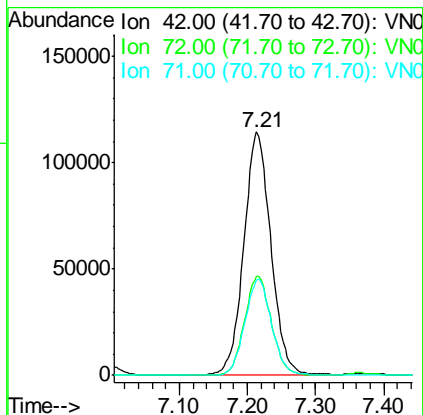
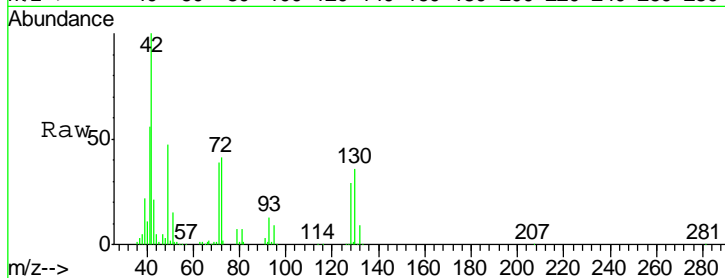
#29
 Tetrahydrofuran
 Concen: 209.50 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052918

Tgt Ion	Resp	Lower	Upper
42	100		
72	40.2	34.2	51.4
71	39.0	31.8	47.8

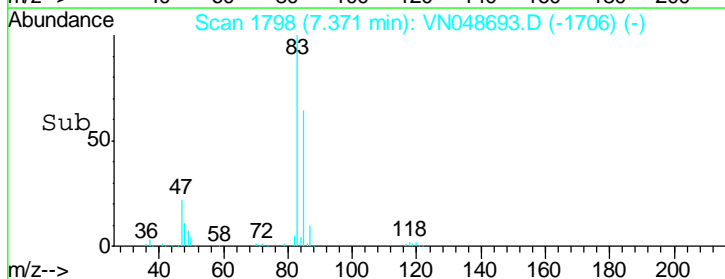
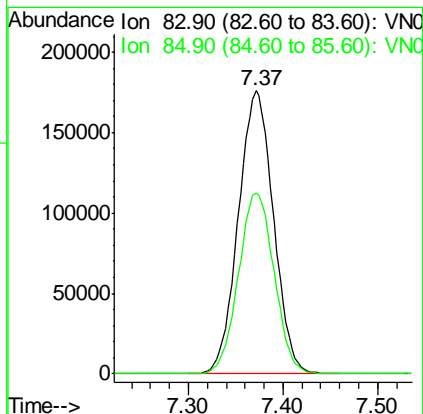
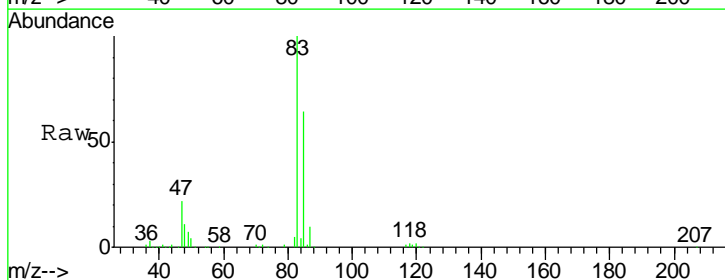
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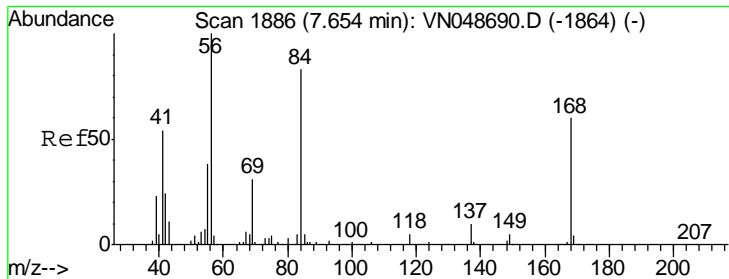
apatel
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#30
 Chloroform
 Concen: 42.27 ug/l
 RT: 7.37 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.0	51.1	76.7





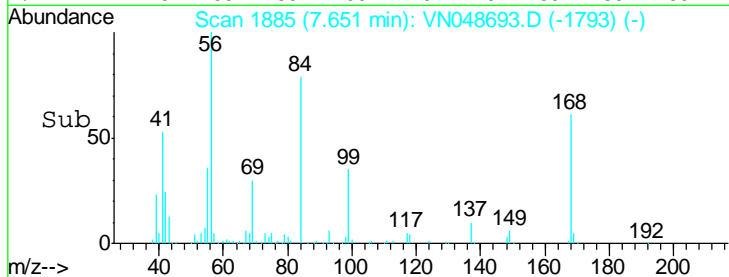
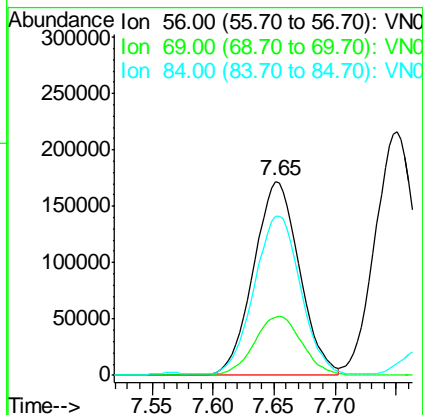
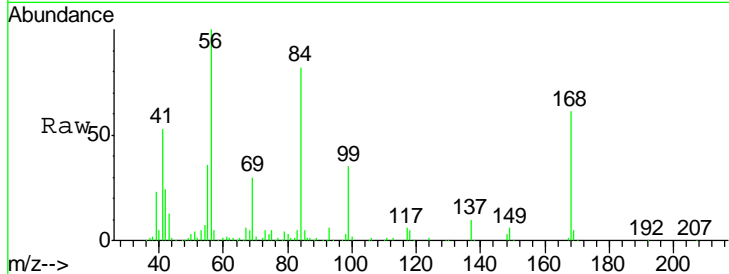
#31
 Cyclohexane
 Concen: 44.24 ug/l
 RT: 7.65 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 ClientSampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
56	448779		
56	100		
69	30.1	25.6	38.4
84	81.0	67.5	101.3

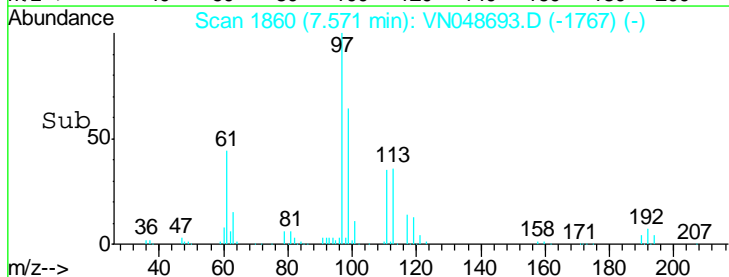
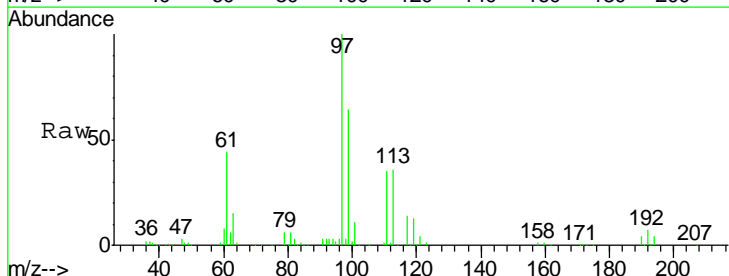
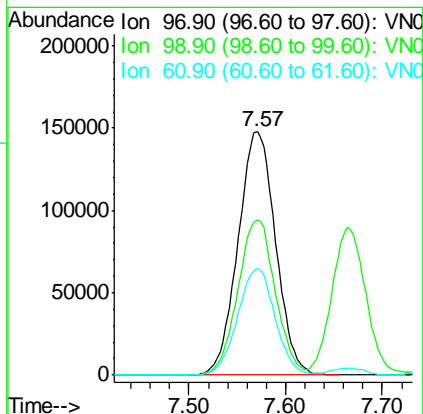
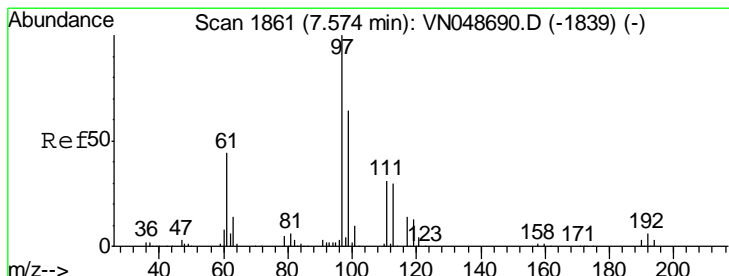
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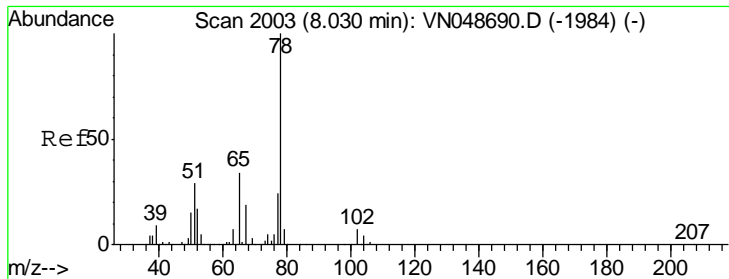
apatel
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#32
 1,1,1-Trichloroethane
 Concen: 42.57 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
97	398530		
97	100		
99	63.6	51.4	77.2
61	43.6	34.2	51.2





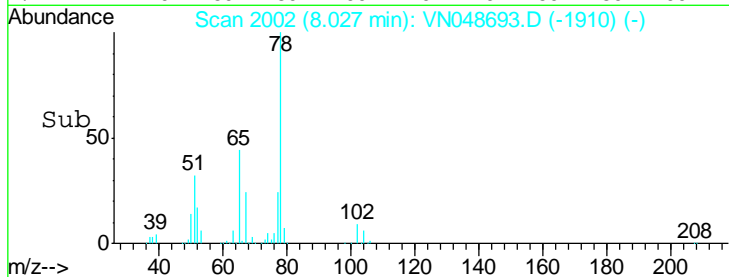
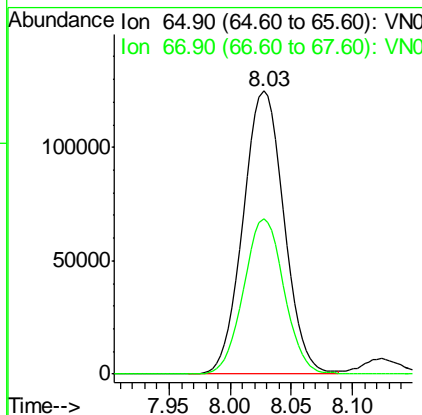
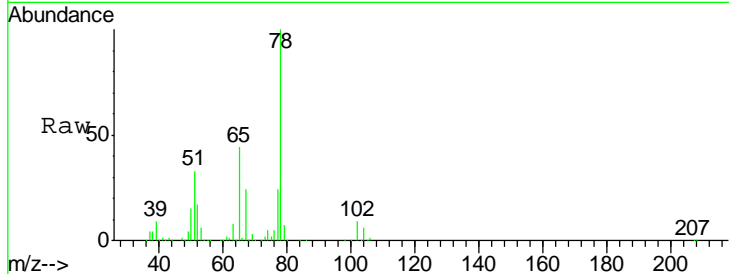
#33
 1,2-Dichloroethane-d4
 Concen: 48.98 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052918

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.2	0.0	108.4

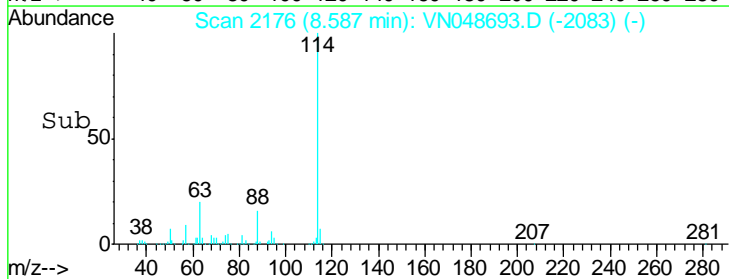
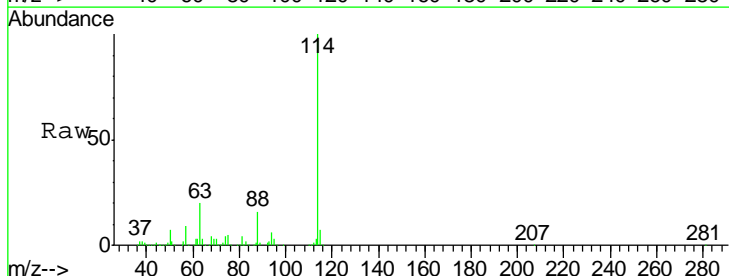
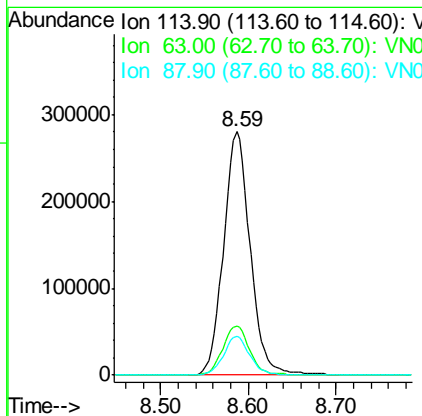
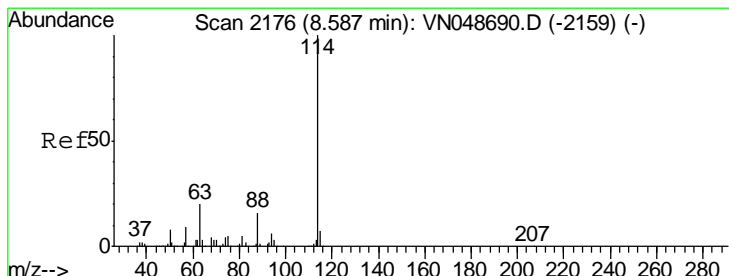
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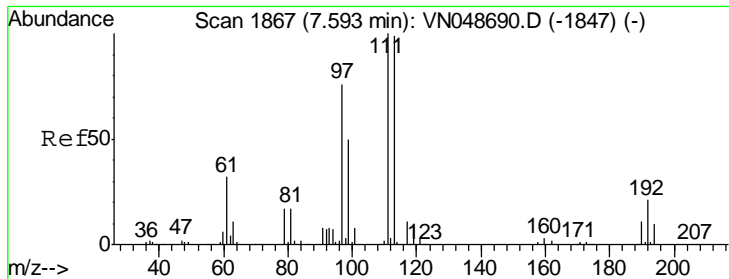
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

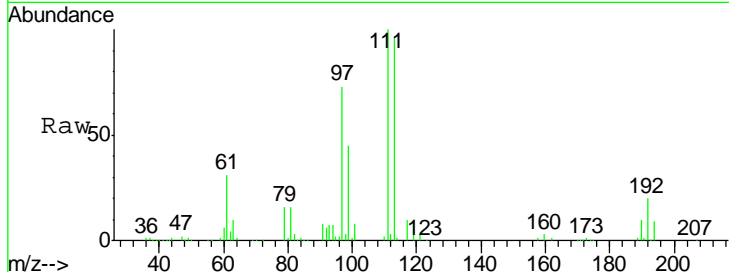
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	16.1	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 53.13 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

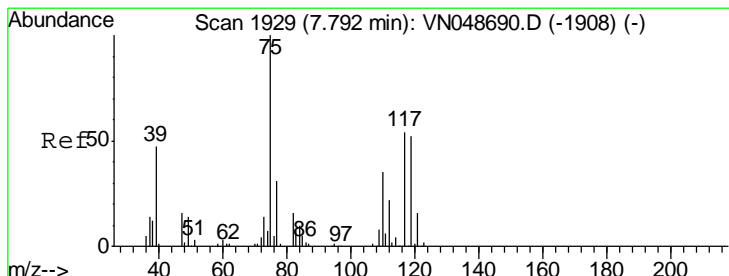
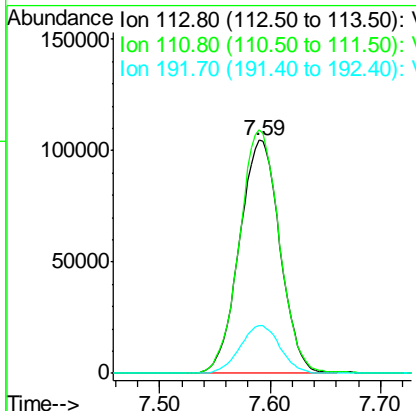
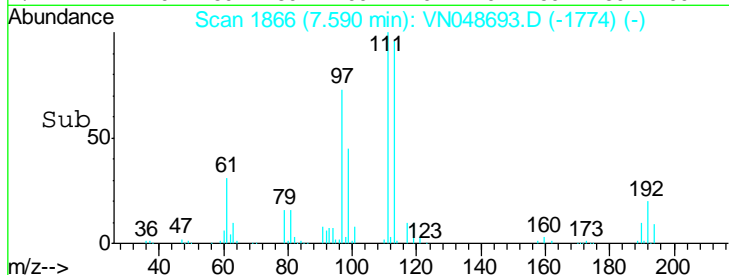
Instrument : MSVOA_N
 Client Sampled : ICVVN052918



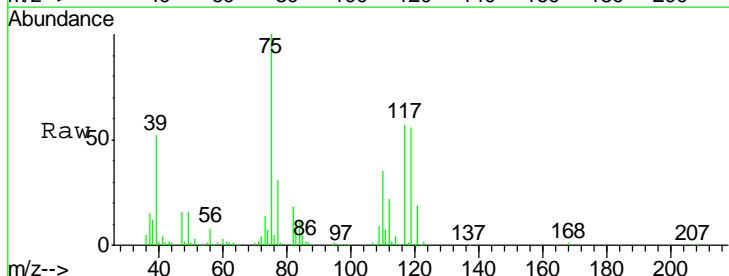
Tgt Ion: 113 Resp: 266284

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.7	122.5
192	20.3	17.6	26.4

Manual Integrations
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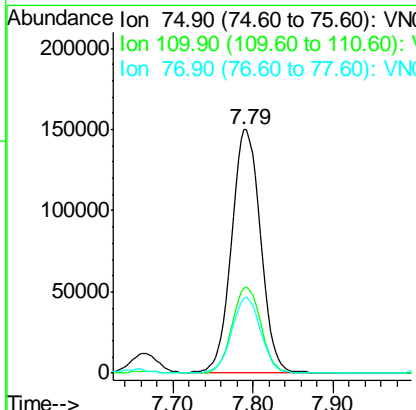
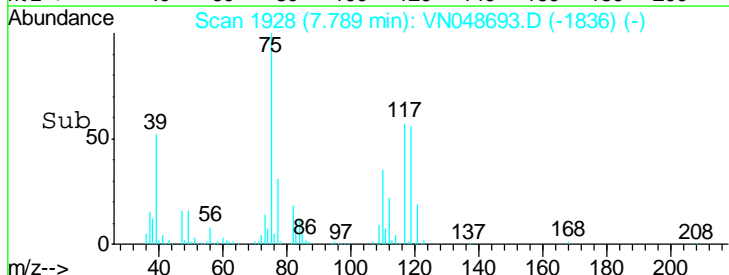


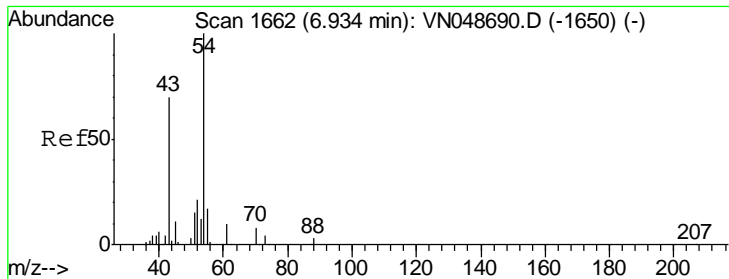
#36
 1,1-Dichloropropene
 Concen: 44.86 ug/l
 RT: 7.79 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43



Tgt Ion: 75 Resp: 366881

Ion	Ratio	Lower	Upper
75	100		
110	35.2	18.4	55.0
77	31.1	25.0	37.4





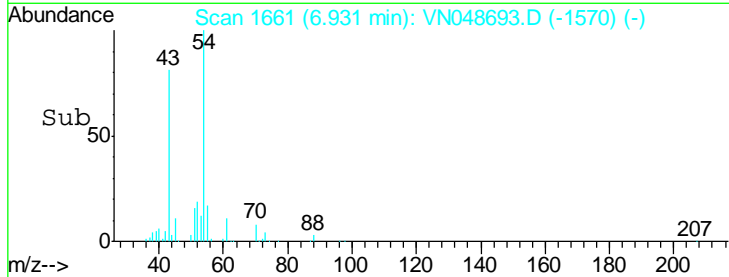
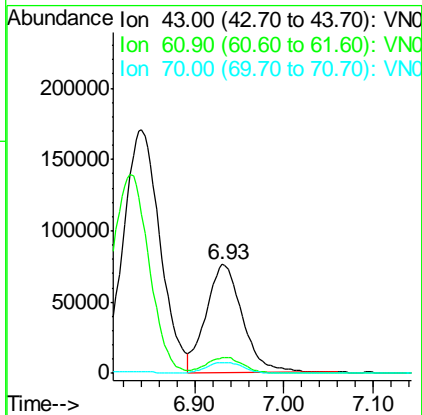
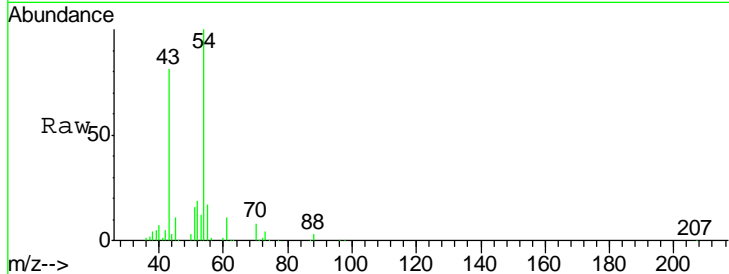
#37
 Ethyl Acetate
 Concen: 43.98 ug/l
 RT: 6.93 min Scan# 1661
 Delta R.T. -0.01 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052918

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.4	11.4	17.2
70	10.3	8.6	12.8

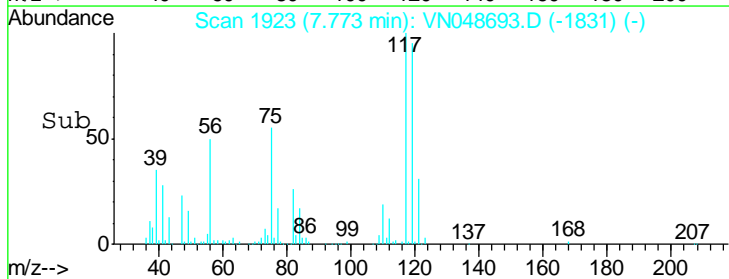
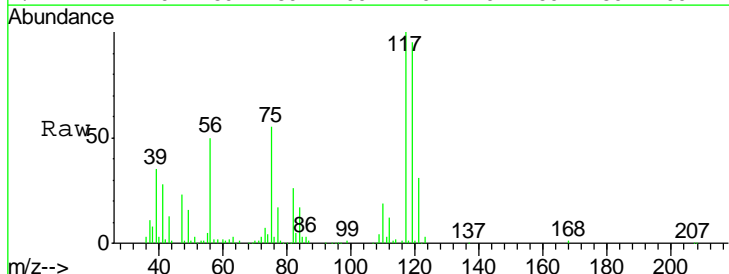
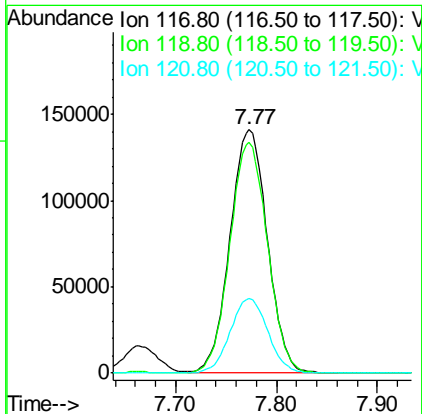
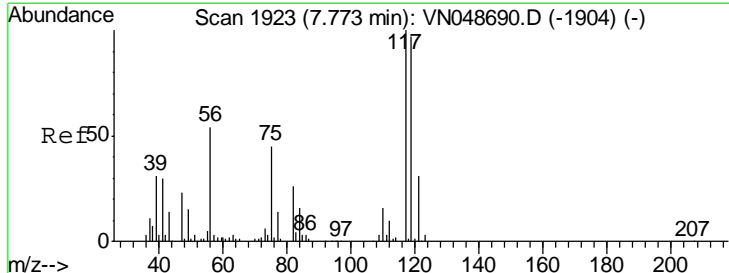
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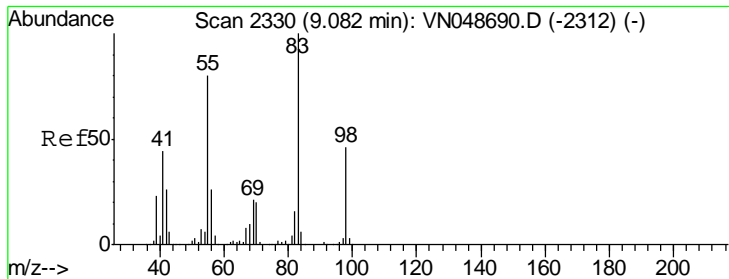
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#38
 Carbon Tetrachloride
 Concen: 43.26 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
117	100		
119	94.9	78.0	117.0
121	30.9	24.5	36.7





#39
 Methylcyclohexane
 Concen: 47.78 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

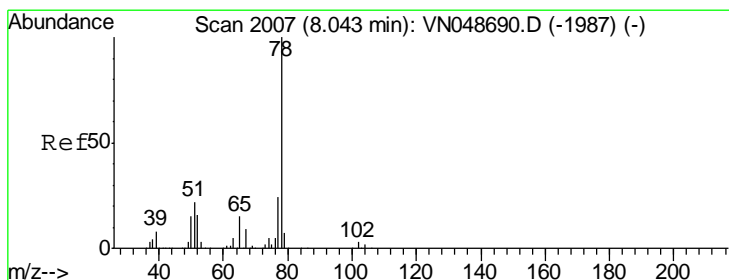
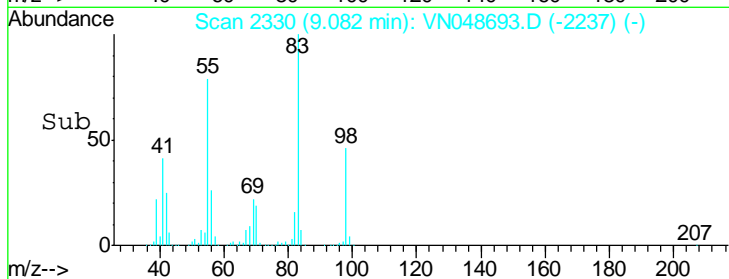
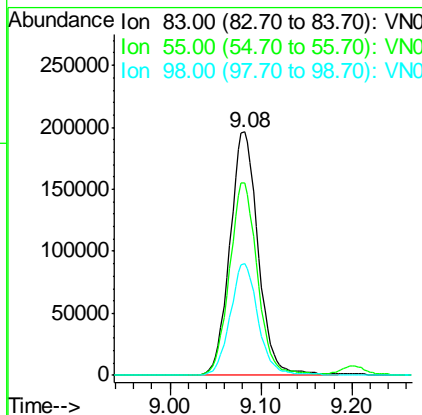
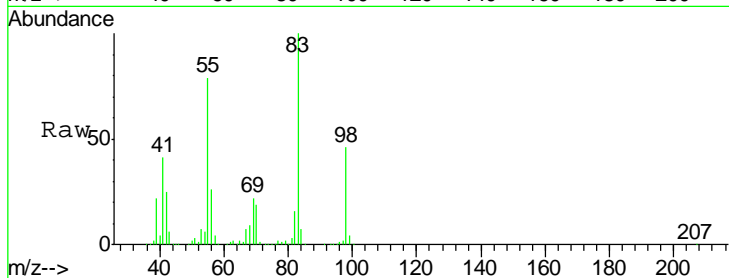
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052918

Tgt Ion: 83 Resp: 424739

Ion	Ratio	Lower	Upper
83	100		
55	78.9	61.7	92.5
98	46.0	36.8	55.2

Manual Integrations
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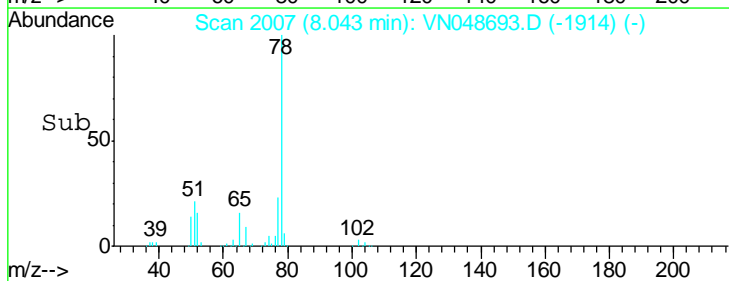
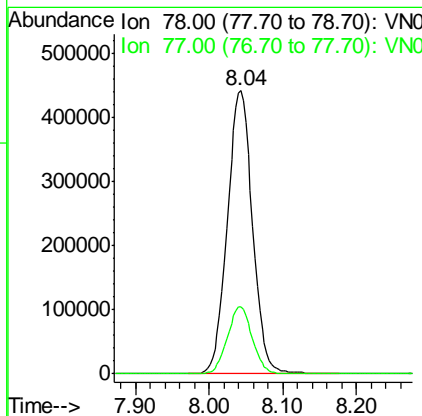
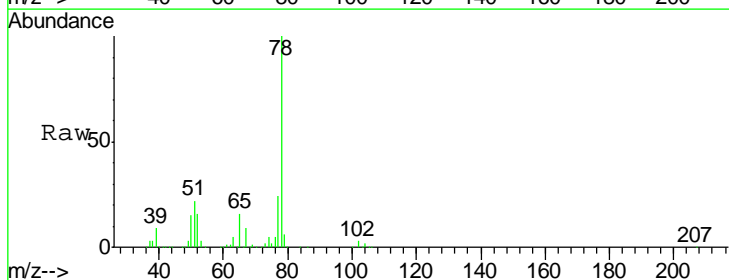
apatel
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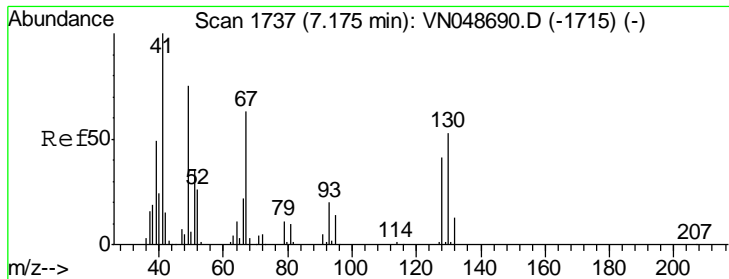


#40
 Benzene
 Concen: 43.92 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion: 78 Resp: 1047992

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





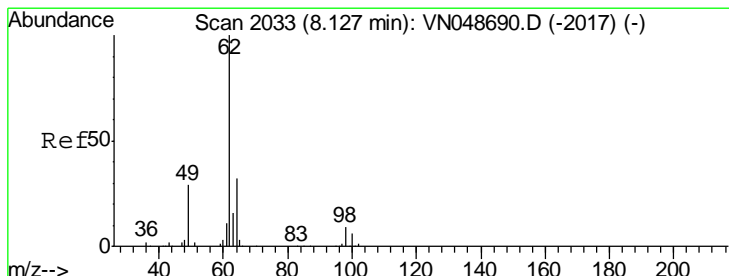
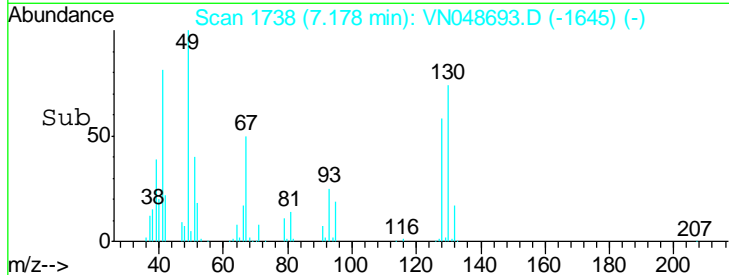
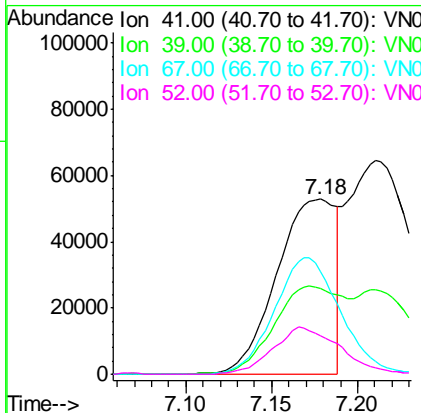
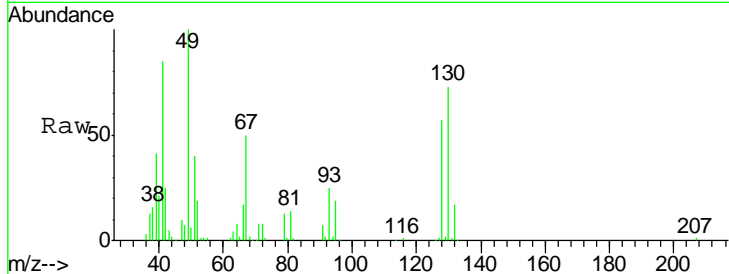
#41
 Methacrylonitrile
 Concen: 46.54 ug/l
 RT: 7.18 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052918

Tgt Ion	Resp	Lower	Upper
41	100		
39	61.9	47.4	71.2
67	74.9	62.4	93.6
52	30.9	25.6	38.4

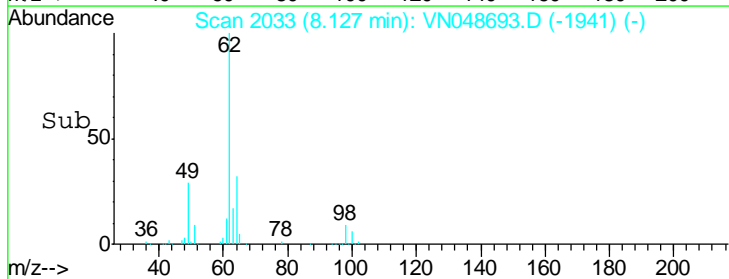
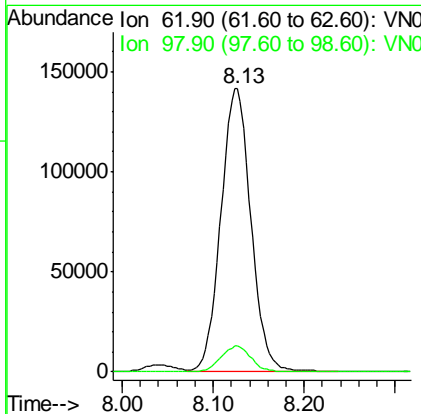
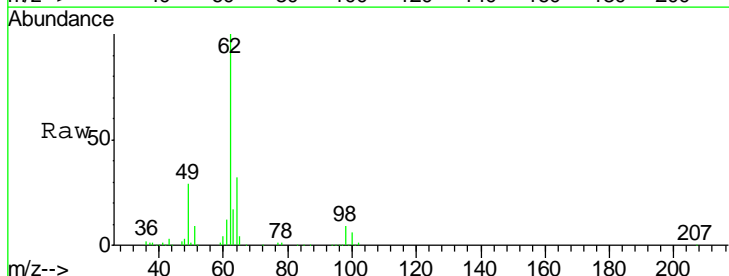
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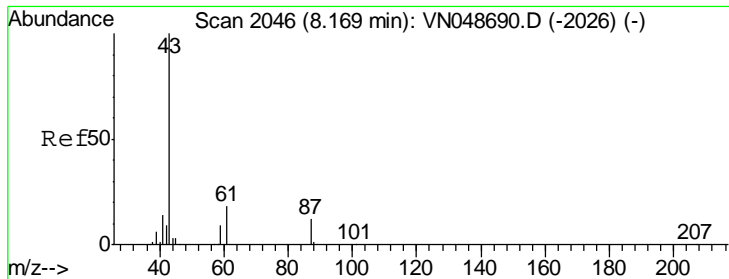
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#42
 1,2-Dichloroethane
 Concen: 43.42 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.2	0.0	18.2





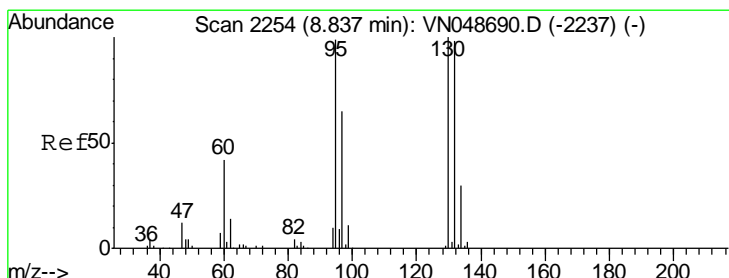
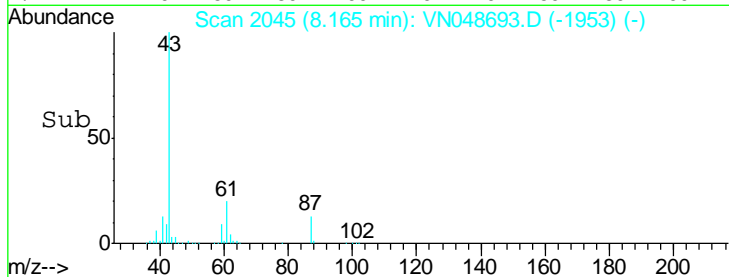
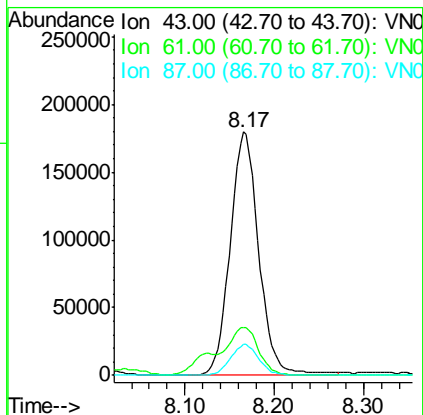
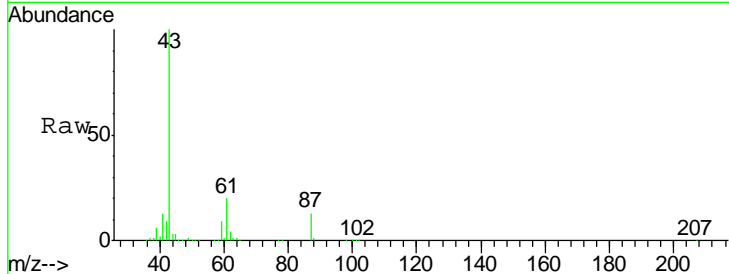
#43
 Isopropyl Acetate
 Concen: 44.24 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 ClientSampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.8	22.2	33.2#
87	12.6	10.6	15.8

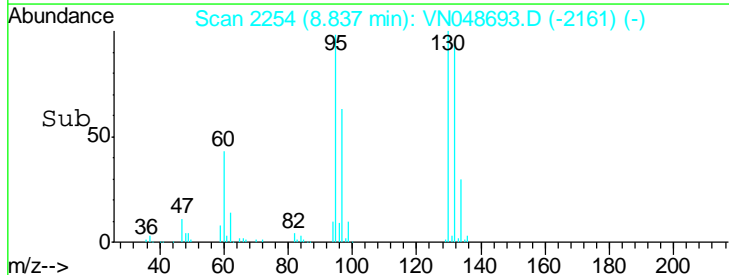
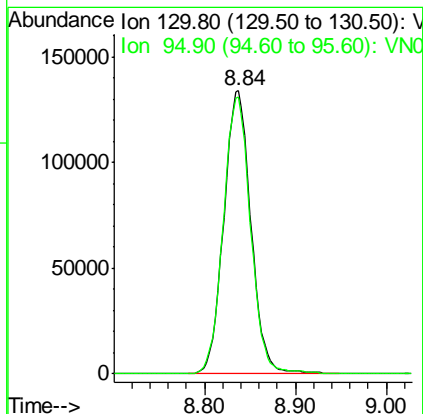
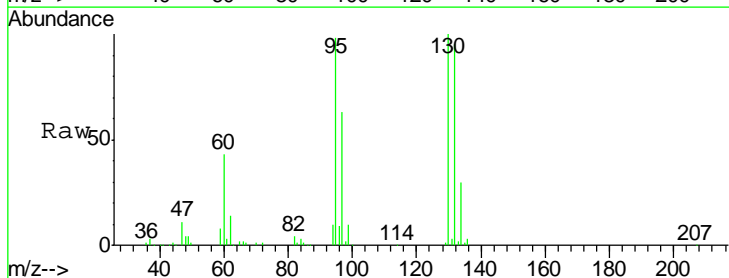
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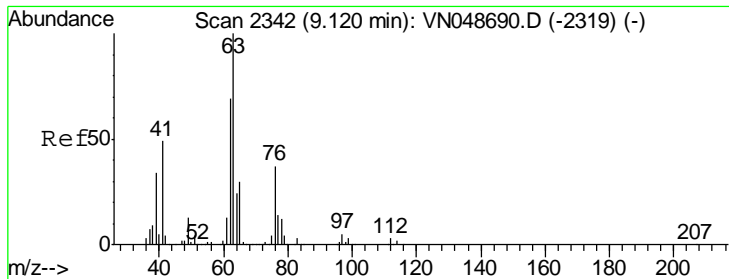
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#44
 Trichloroethene
 Concen: 45.25 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
130	100		
95	97.7	0.0	191.6



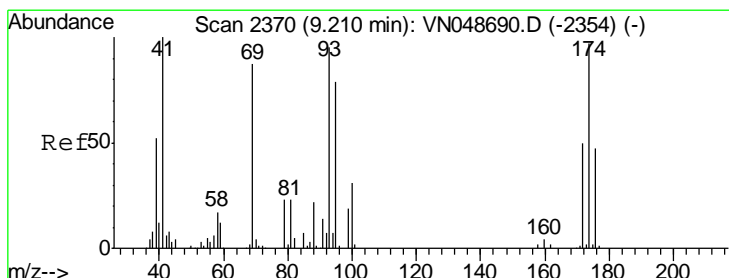
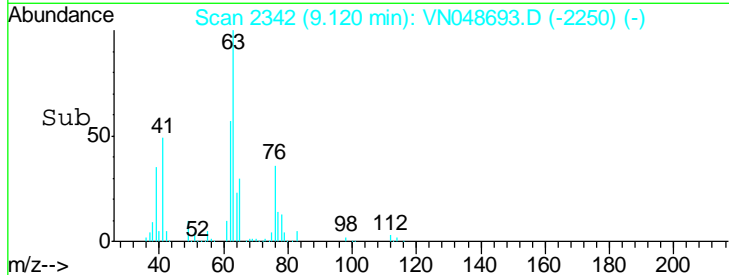
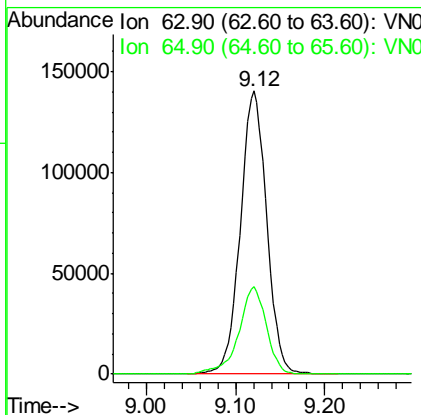
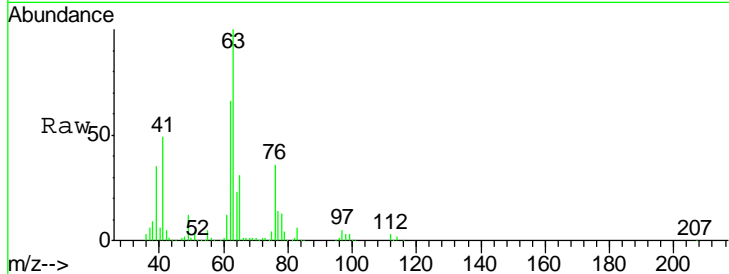


#45
 1,2-Dichloropropane
 Concen: 44.38 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.7	23.9	35.9

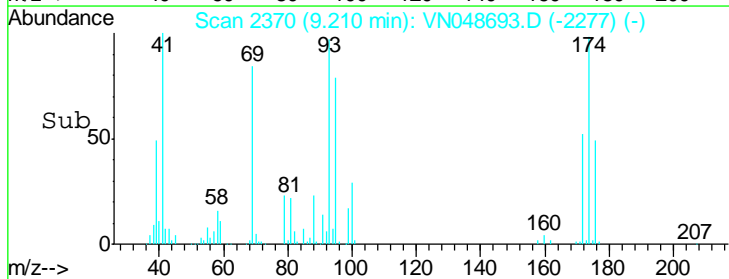
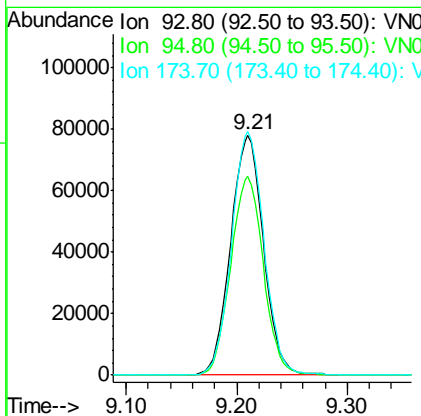
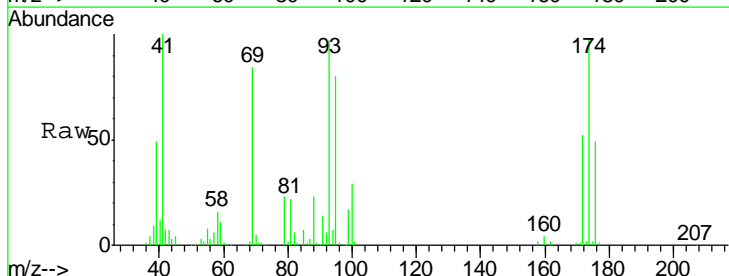
Instrument : MSVOA_N
 ClientSampled : ICVVN052918

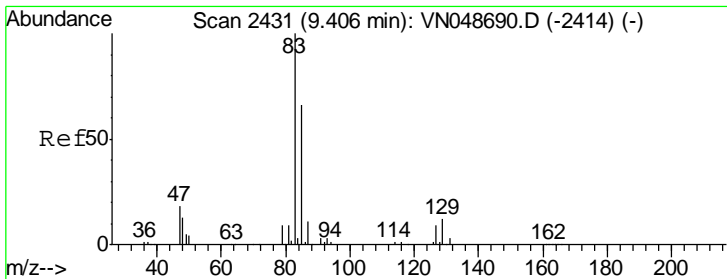
Manual Integrations
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 apatel
 6/1/2018 11:15:37 AM



#46
 Dibromomethane
 Concen: 44.15 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

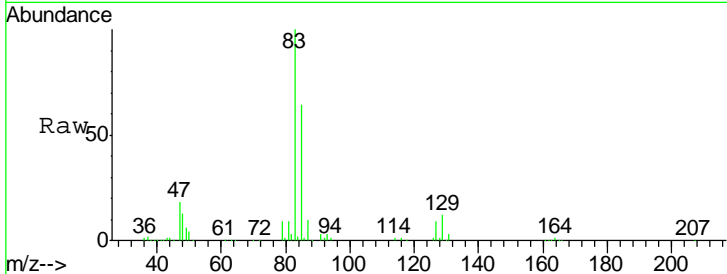
Tgt Ion	Resp	Lower	Upper
93	100		
95	82.3	66.7	100.1
174	100.1	87.7	131.5





#47
 Bromodichloromethane
 Concen: 43.73 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

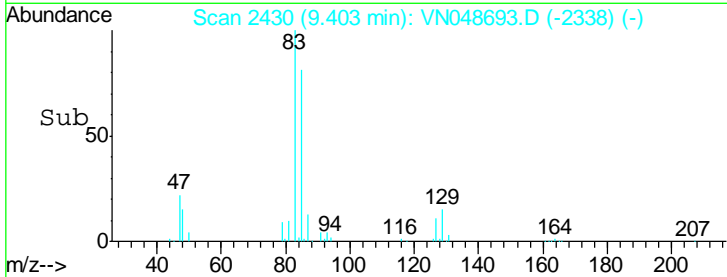
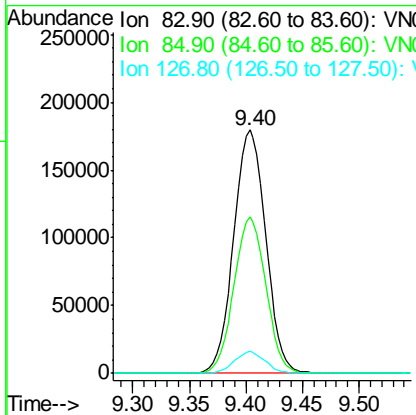
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052918



Tgt Ion: 83 Resp: 356324

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1
127	9.1	7.3	10.9

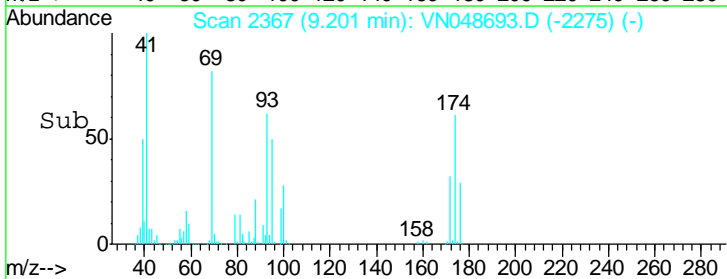
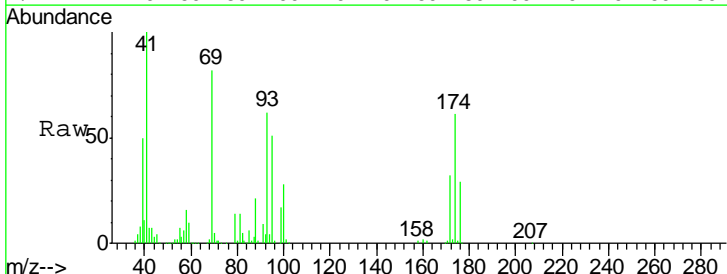
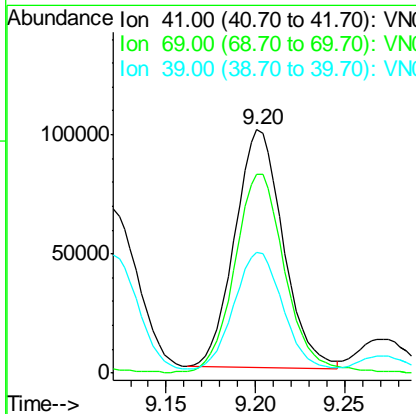
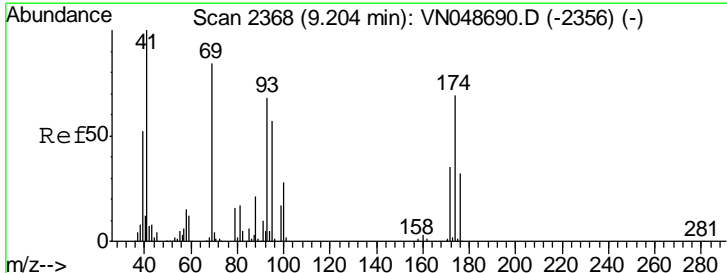
Manual Integrations
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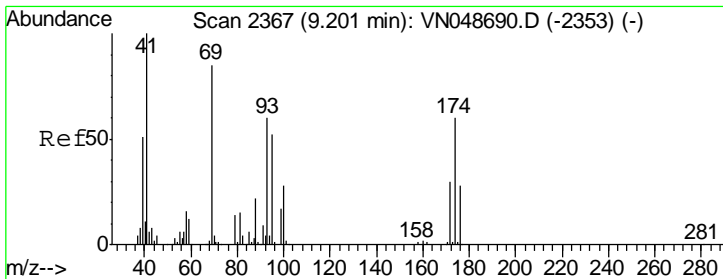


#48
 Methyl methacrylate
 Concen: 43.37 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion: 41 Resp: 189311

Ion	Ratio	Lower	Upper
41	100		
69	86.6	68.6	103.0
39	52.5	42.3	63.5





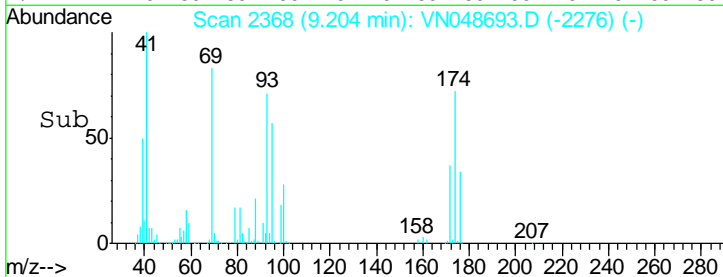
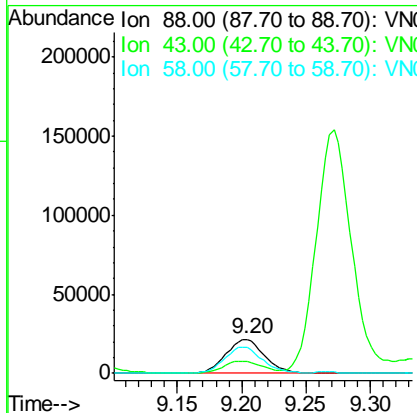
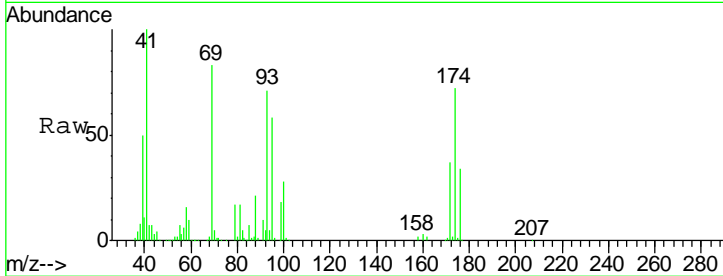
#49
 1,4-Dioxane
 Concen: 838.59 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 ClientSampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
88	45066		
88	100		
43	33.8	27.6	41.4
58	75.1	57.0	85.6

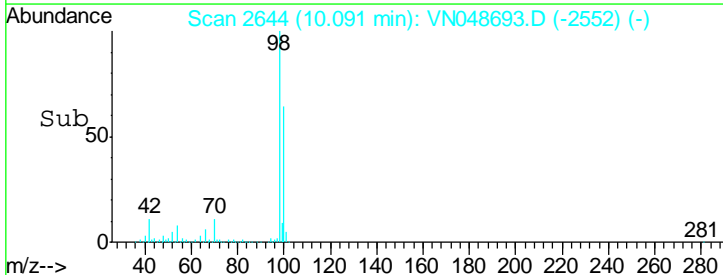
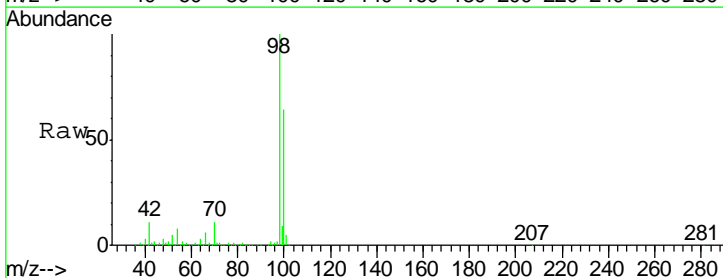
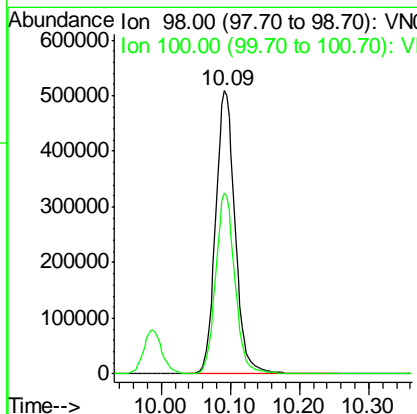
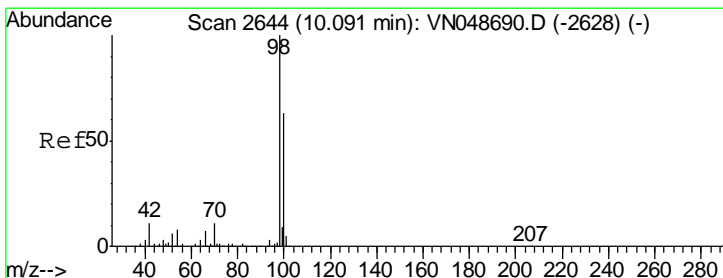
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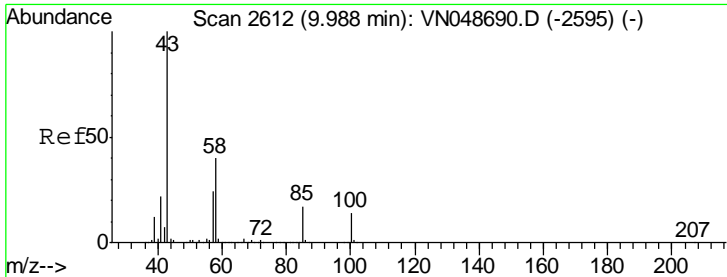
apatel
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#50
 Toluene-d8
 Concen: 53.19 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
98	985443		
98	100		
100	63.1	51.2	76.8





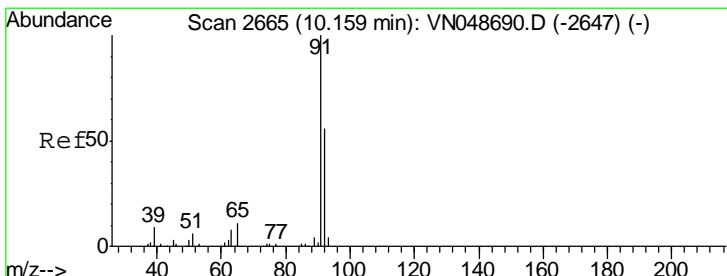
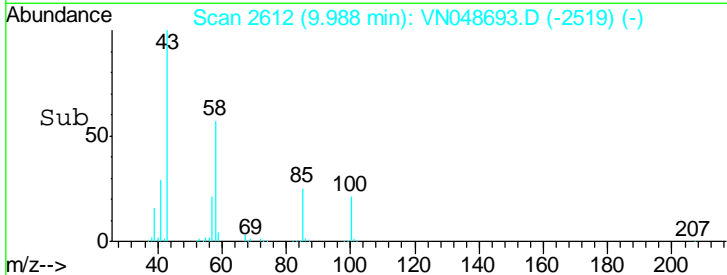
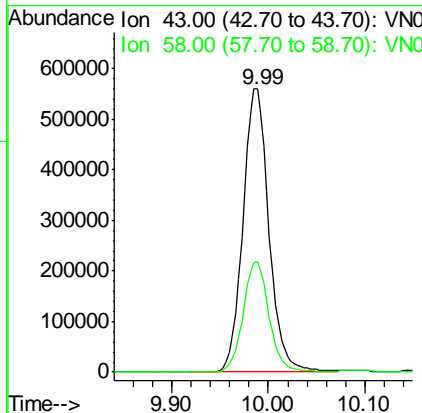
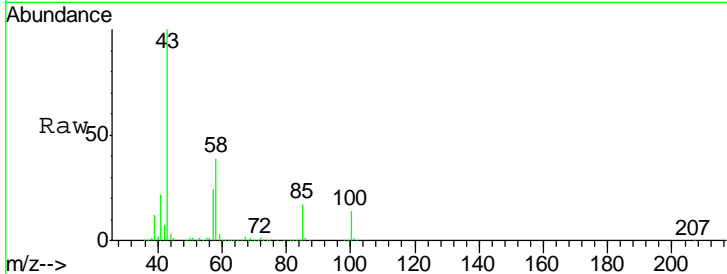
#51
 4-Methyl-2-Pentanone
 Concen: 219.64 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 ClientSampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
43	1045338		
43	100		
58	39.0	31.0	46.6

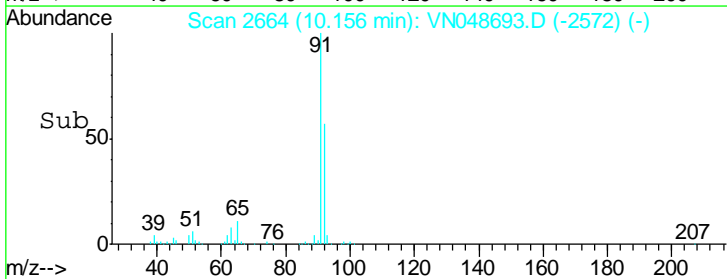
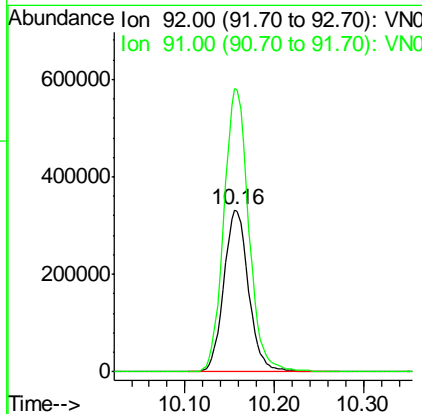
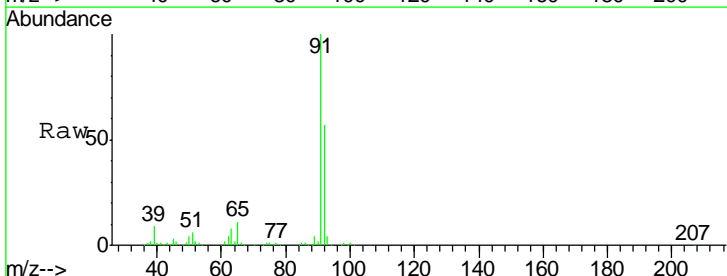
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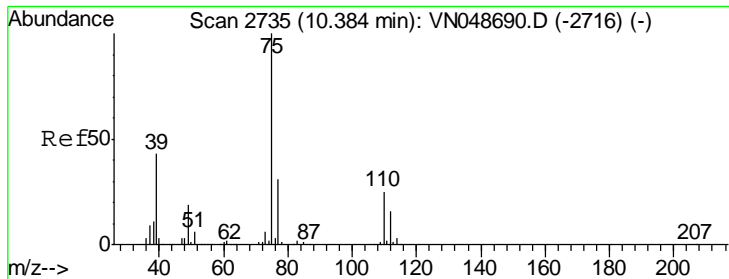
apatel
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#52
 Toluene
 Concen: 45.33 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
92	638301		
92	100		
91	176.6	141.0	211.4





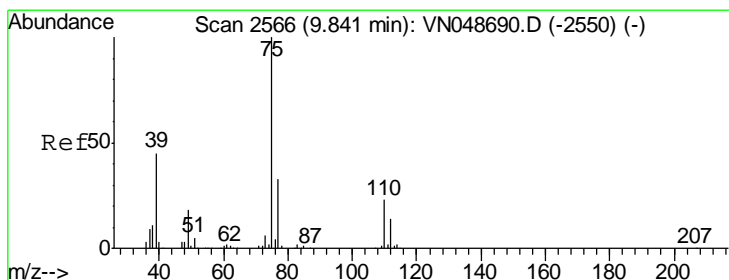
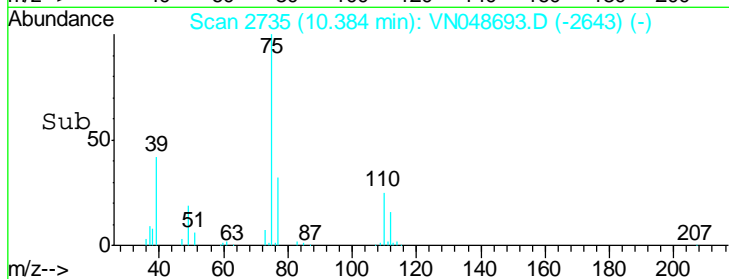
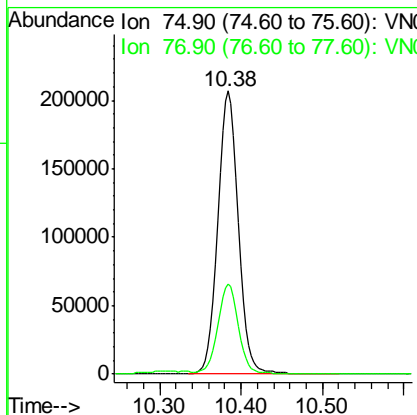
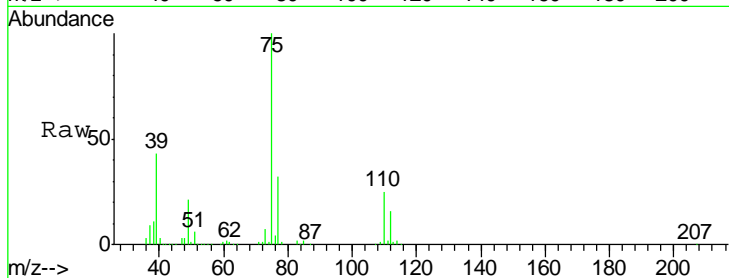
#53
 t-1,3-Dichloropropene
 Concen: 45.17 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
75	370062		
75	100		
77	31.9	24.9	37.3

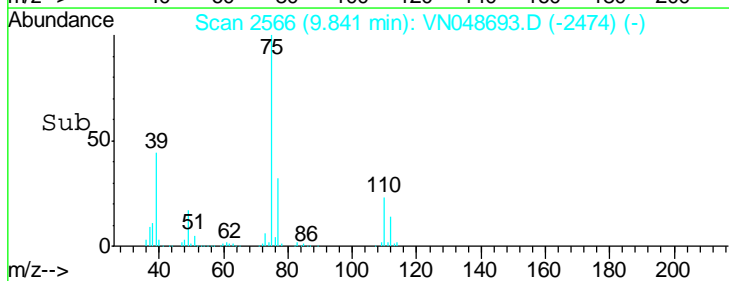
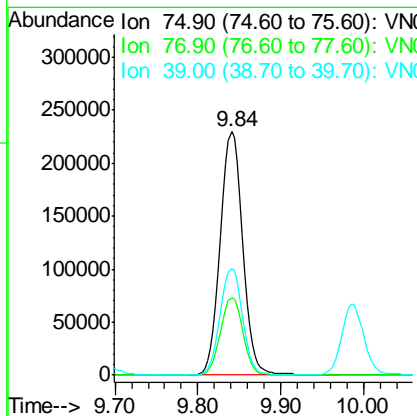
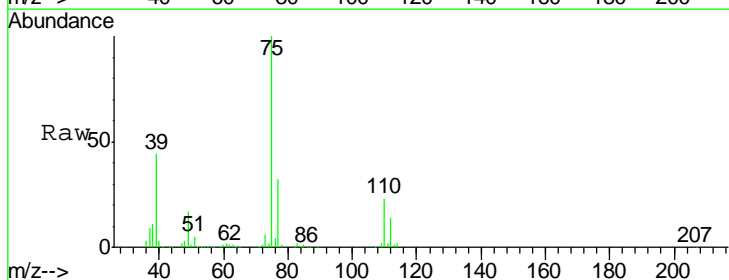
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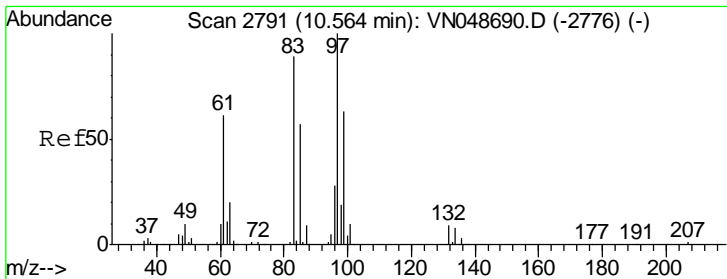
apatel
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#54
 cis-1,3-Dichloropropene
 Concen: 45.34 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

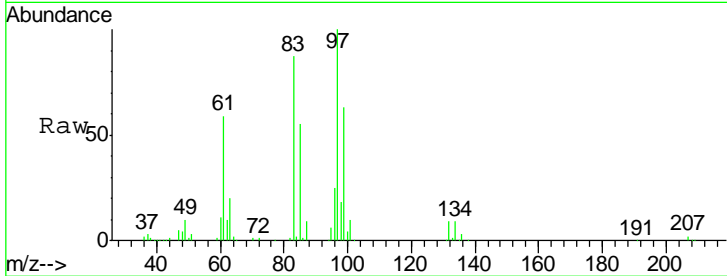
Tgt Ion	Resp	Lower	Upper
75	432016		
75	100		
77	31.8	25.1	37.7
39	43.5	36.7	55.1





#55
 1,1,2-Trichloroethane
 Concen: 44.63 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

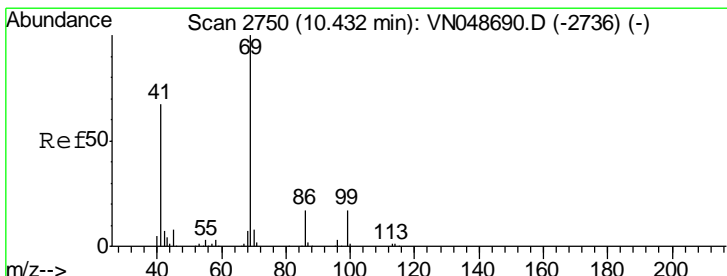
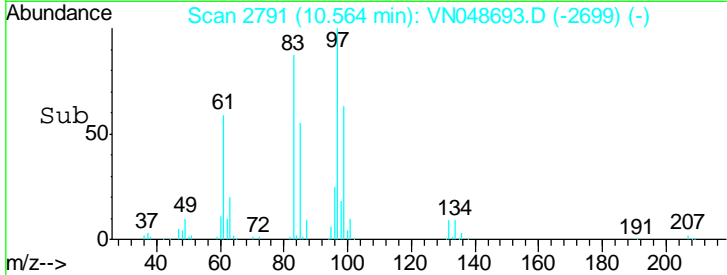
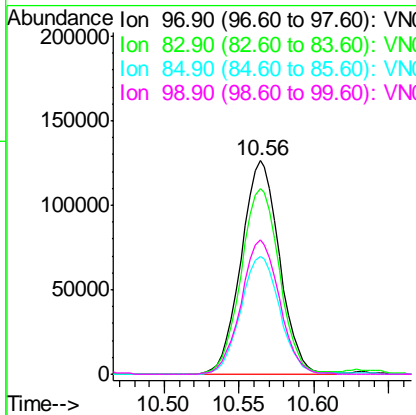
Instrument : MSVOA_N
 Client Sampled : ICVVN052918



Tgt Ion: 97 Resp: 225650

Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.7	103.1
85	55.4	43.4	65.2
99	63.0	49.6	74.4

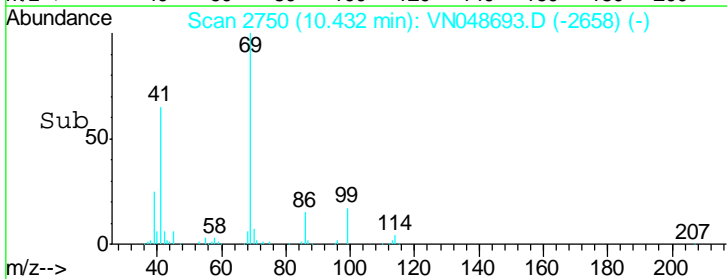
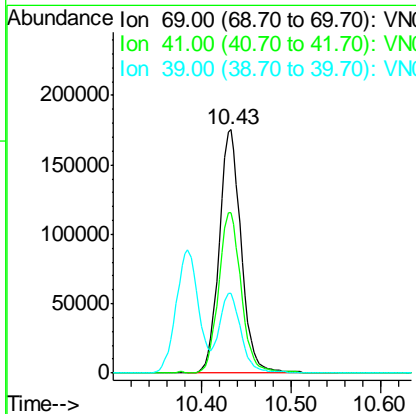
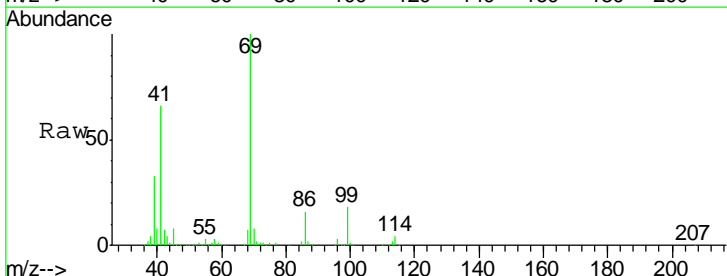
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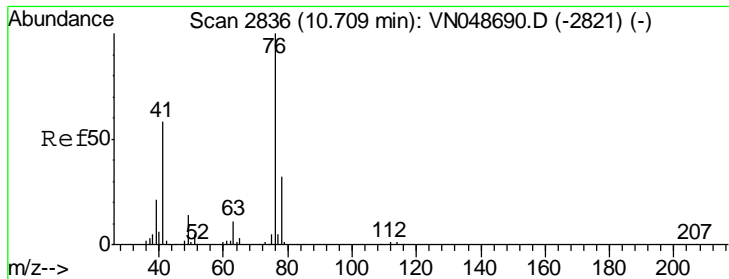


#56
 Ethyl methacrylate
 Concen: 42.46 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion: 69 Resp: 299010

Ion	Ratio	Lower	Upper
69	100		
41	66.5	52.3	78.5
39	32.2	26.4	39.6





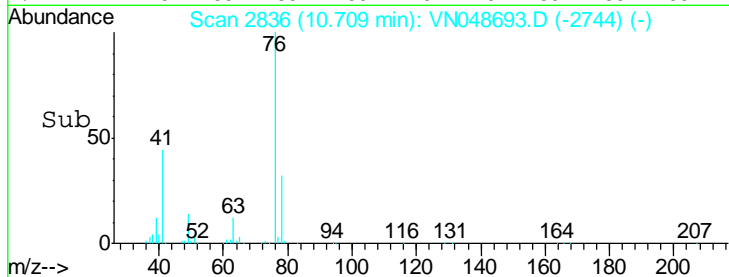
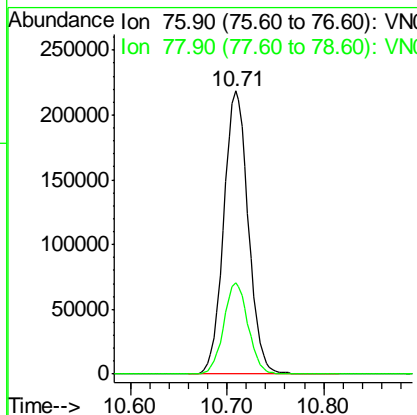
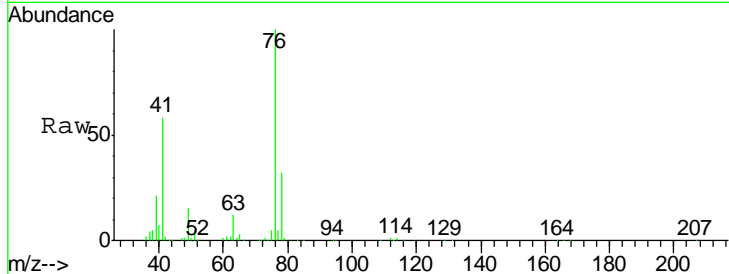
#57
 1,3-Dichloropropane
 Concen: 43.38 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
76	385241		
76	100		
78	32.0	25.7	38.5

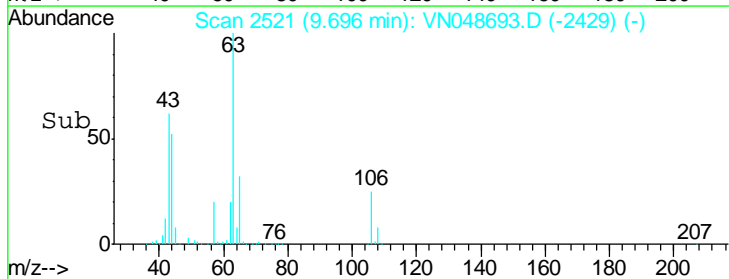
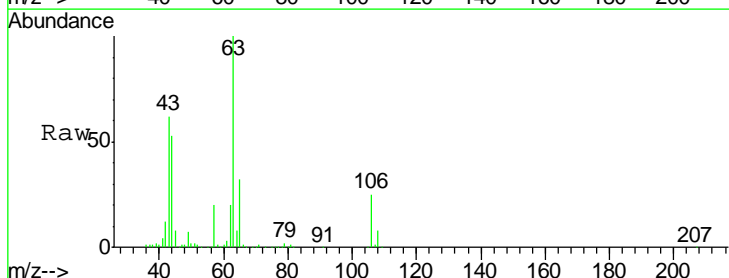
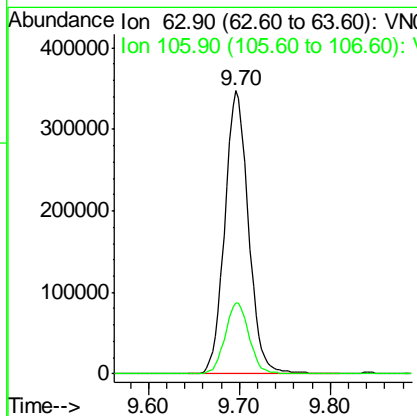
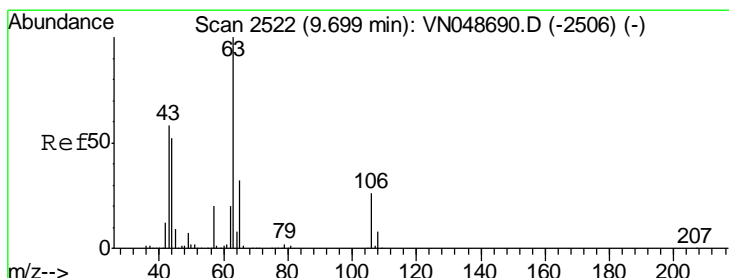
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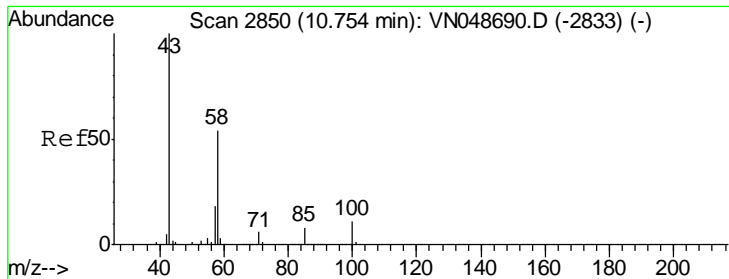
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 239.04 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
63	630495		
63	100		
106	25.3	21.3	31.9





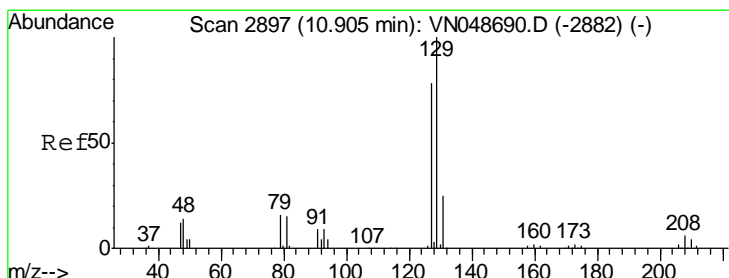
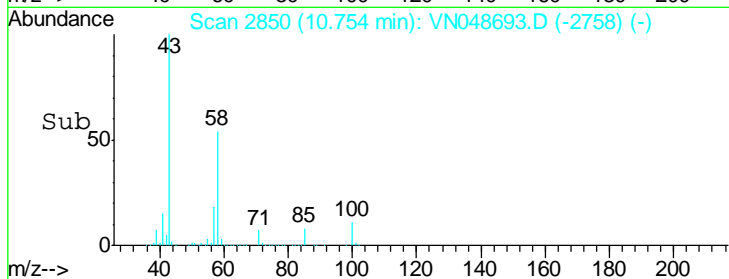
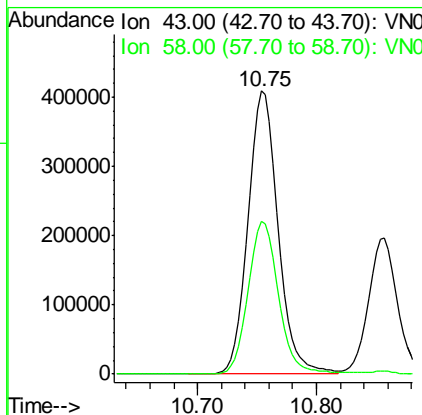
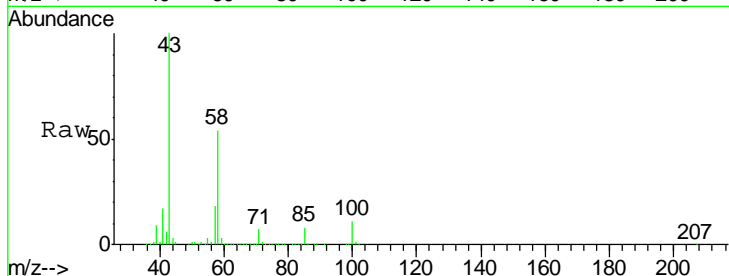
#59
 2-Hexanone
 Concen: 227.94 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 ClientSampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
43	100		
58	54.7	27.4	82.0

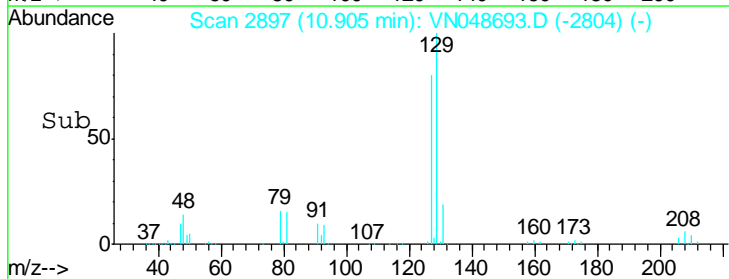
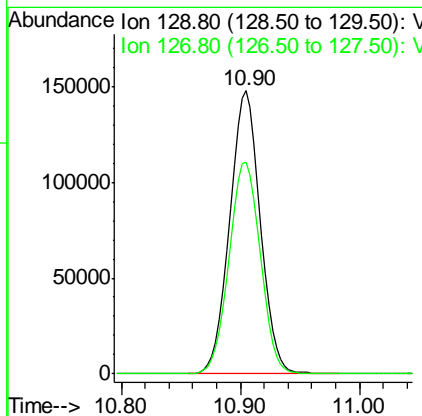
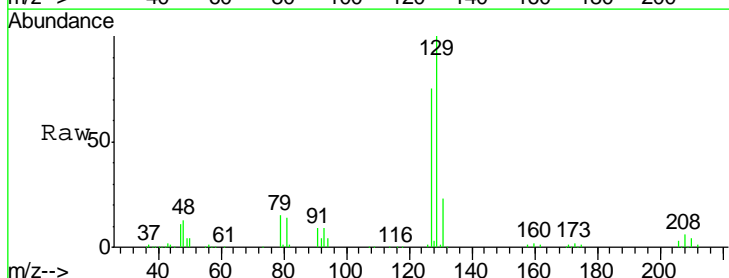
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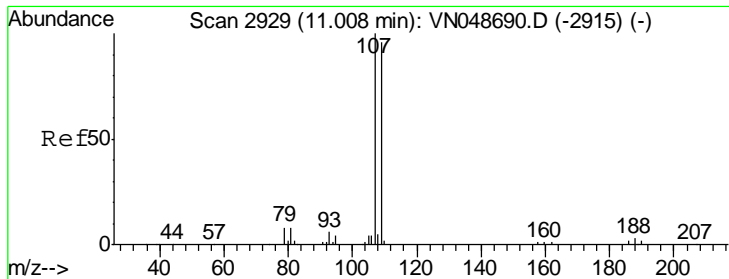
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#60
 Dibromochloromethane
 Concen: 44.28 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.8	38.8	116.4





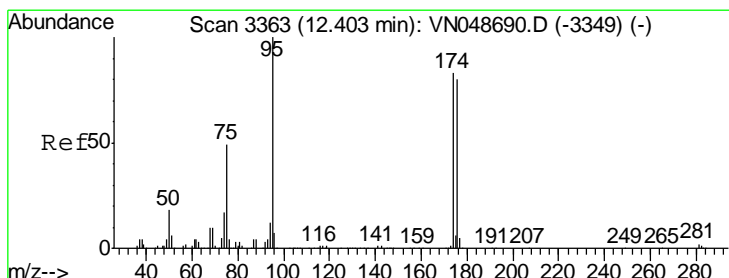
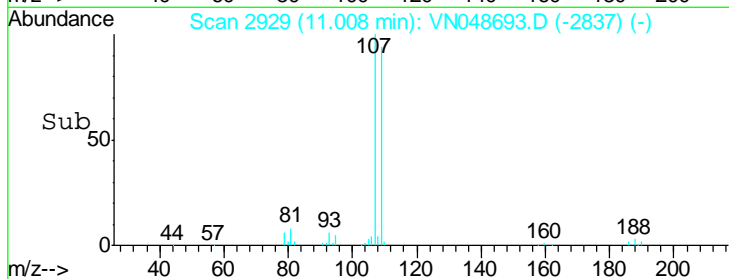
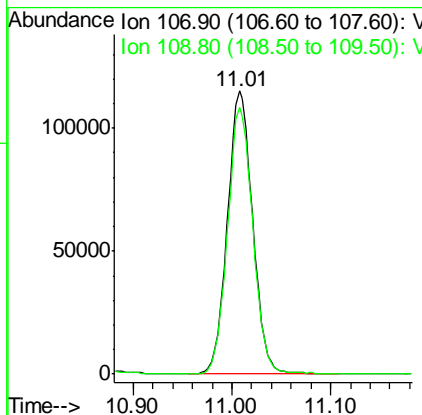
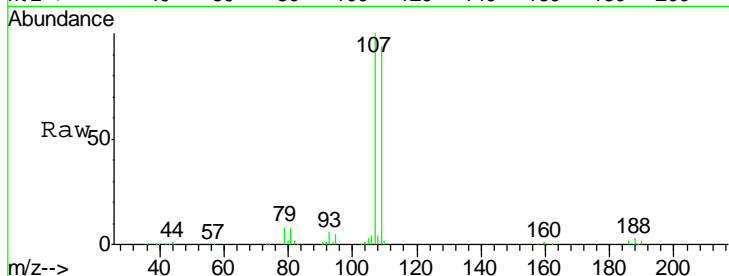
#61
 1,2-Dibromoethane
 Concen: 41.33 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.5	74.4	111.6

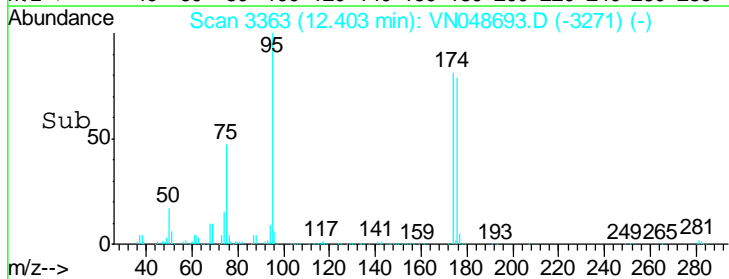
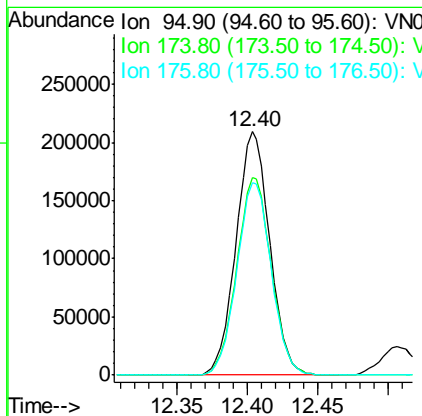
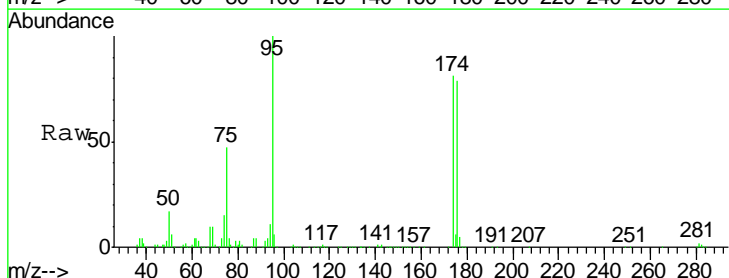
Manual Integrations
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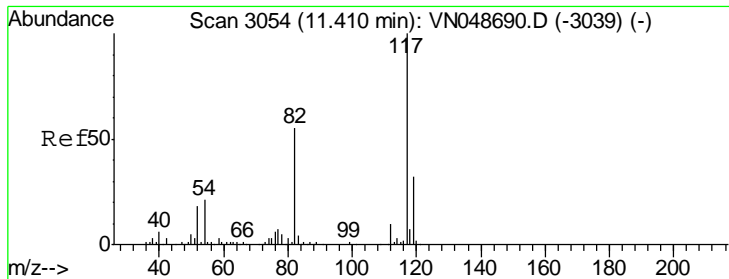
apatel
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#62
 4-Bromofluorobenzene
 Concen: 54.84 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

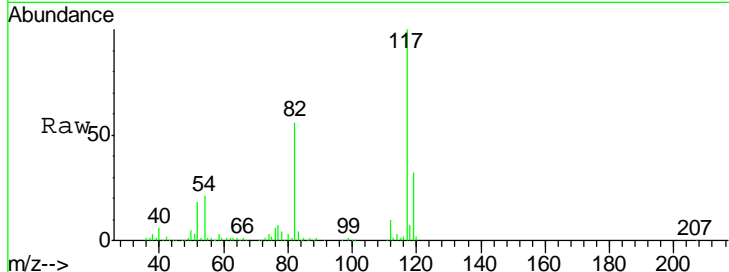
Tgt Ion	Resp	Lower	Upper
95	100		
174	82.8	0.0	173.8
176	80.6	0.0	170.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

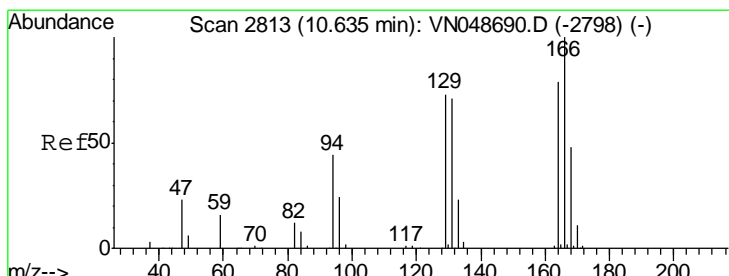
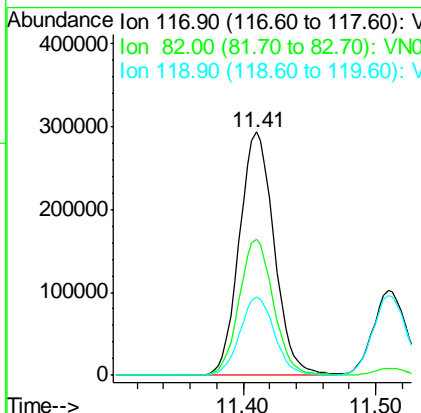
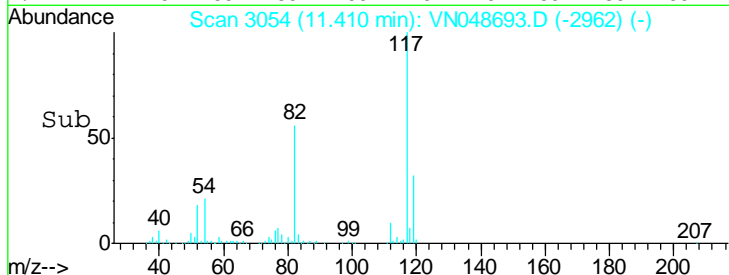
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052918



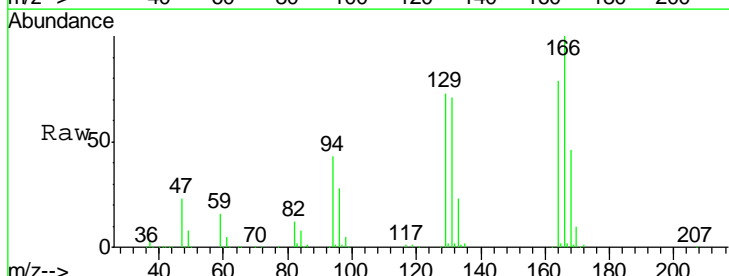
Tgt Ion: 117 Resp: 536183

Ion	Ratio	Lower	Upper
117	100		
82	56.0	42.8	64.2
119	32.0	26.0	39.0

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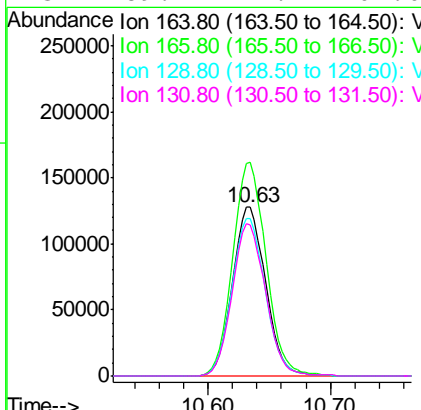
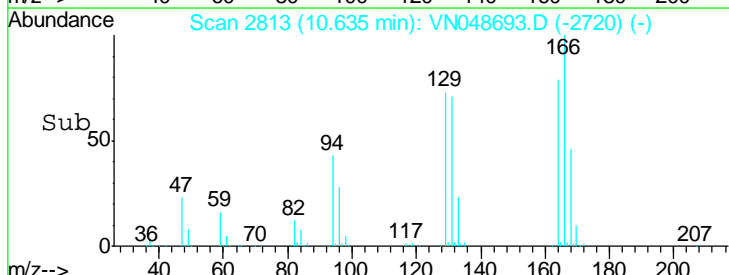


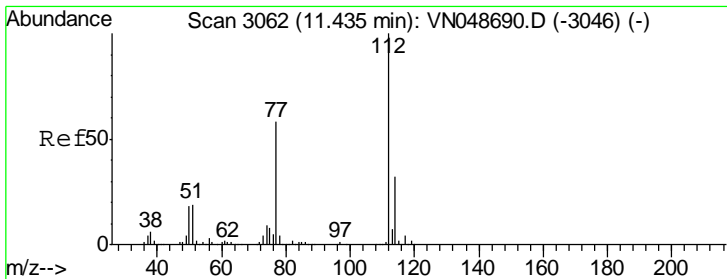
#64
 Tetrachloroethene
 Concen: 44.43 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43



Tgt Ion: 164 Resp: 241188

Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.7	154.1
129	93.1	74.3	111.5
131	89.4	71.4	107.0





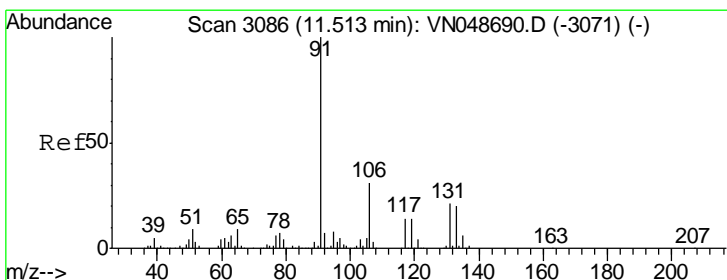
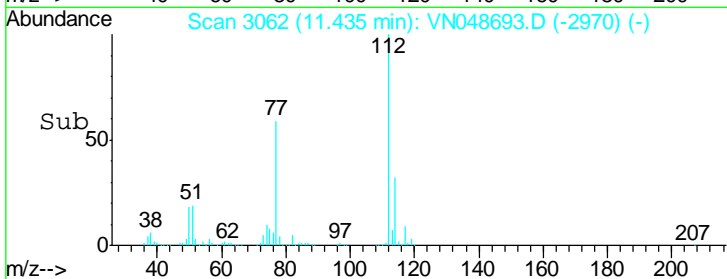
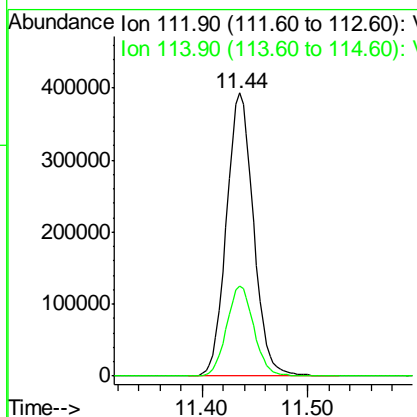
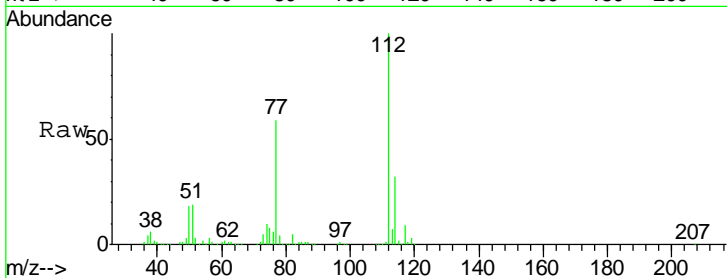
#65
 Chlorobenzene
 Concen: 44.43 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
112	697650		
114	32.0	25.6	38.4

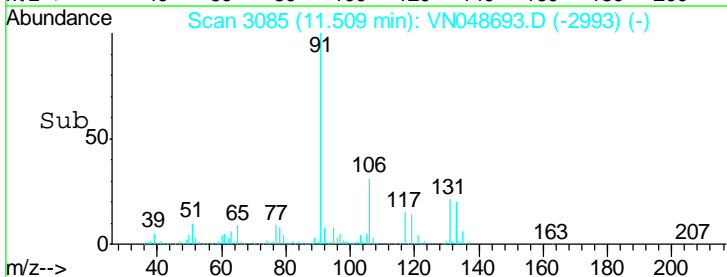
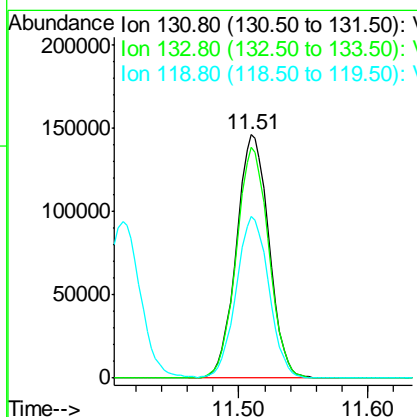
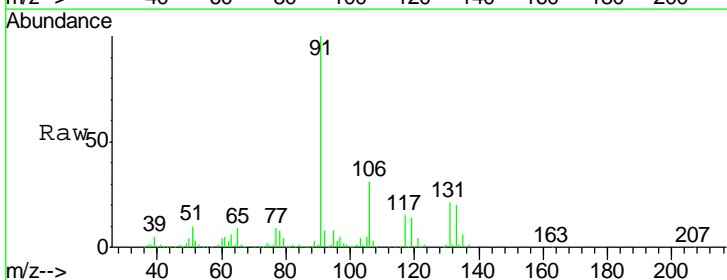
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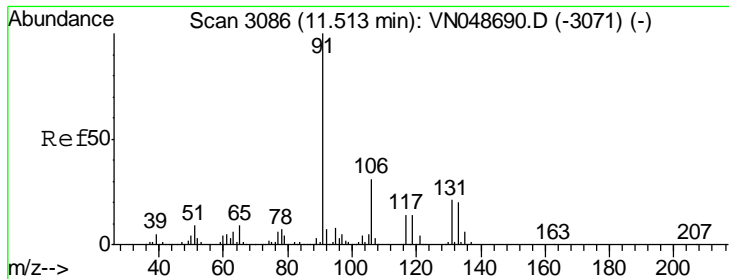
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 43.36 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
131	256310		
133	94.4	47.8	143.4
119	66.7	33.1	99.3





#67
 Ethyl Benzene
 Concen: 45.60 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

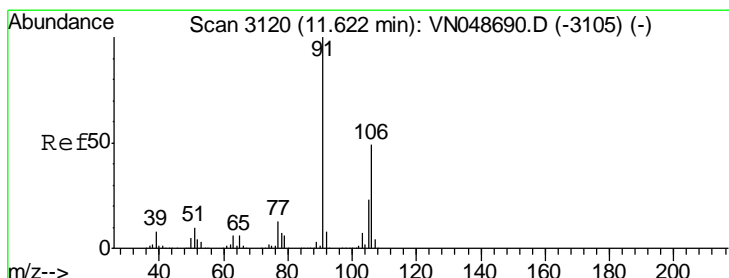
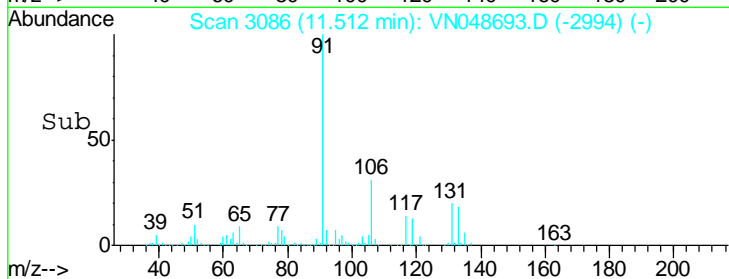
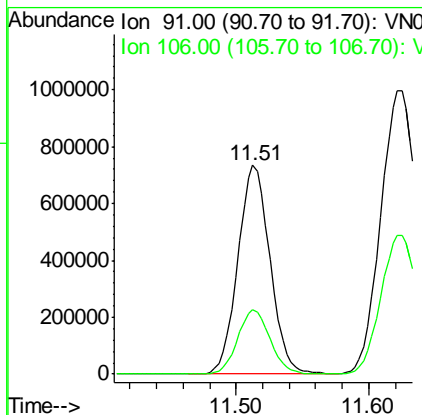
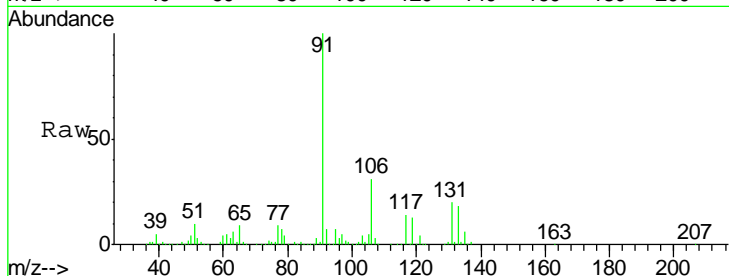
Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion: 91 Resp: 1239727

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.9	37.3

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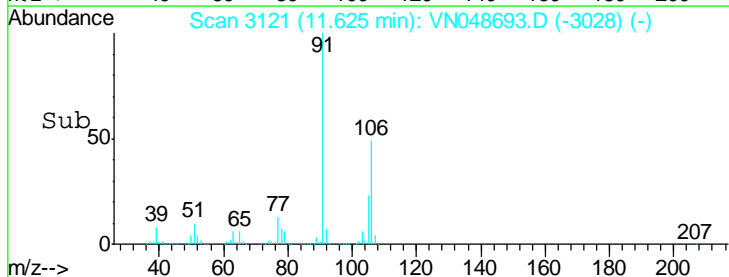
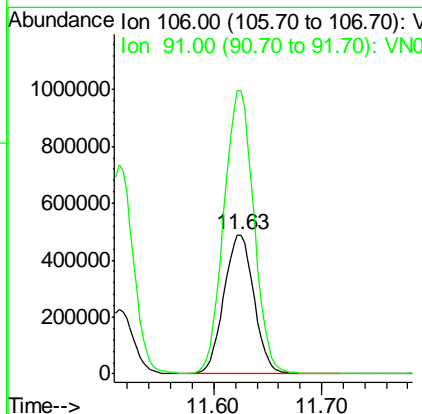
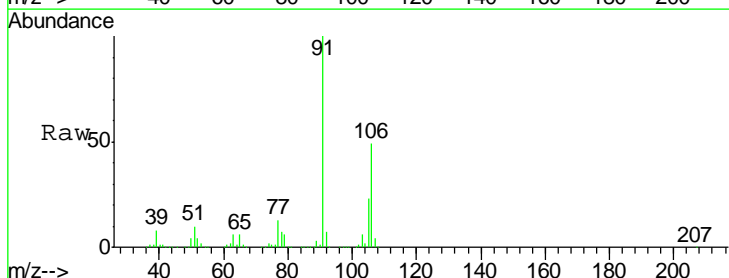
apatel
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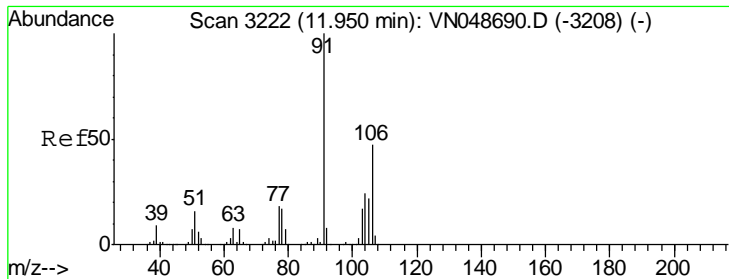


#68
 m/p-Xylenes
 Concen: 92.66 ug/l
 RT: 11.63 min Scan# 3121
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion: 106 Resp: 949655

Ion	Ratio	Lower	Upper
106	100		
91	204.0	163.4	245.0





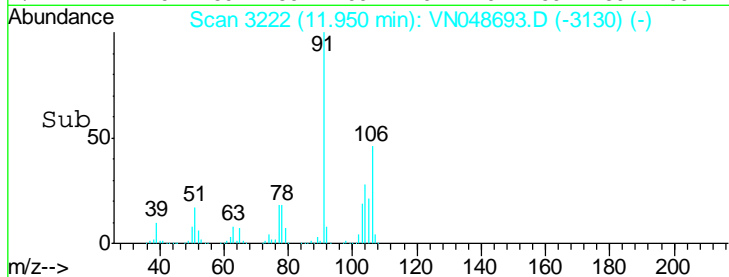
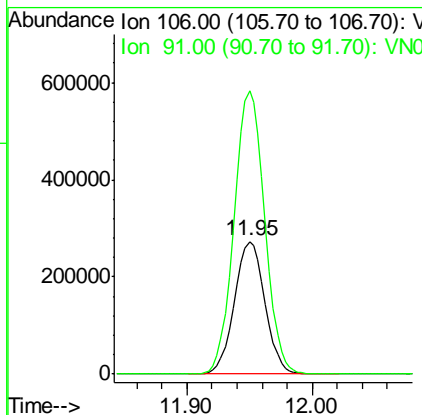
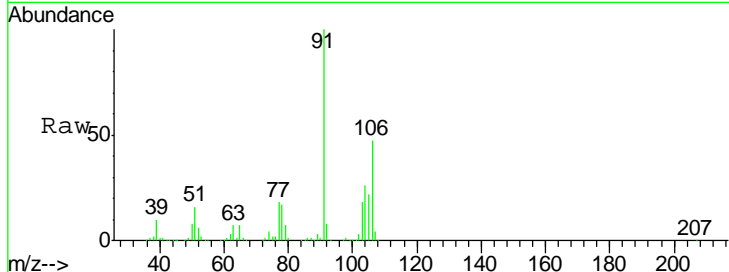
#69
 o-Xylene
 Concen: 46.50 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 ClientSampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
106	459620		
106	100		
91	214.2	107.9	323.7

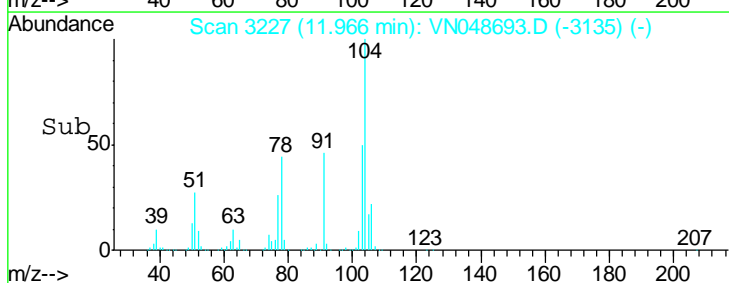
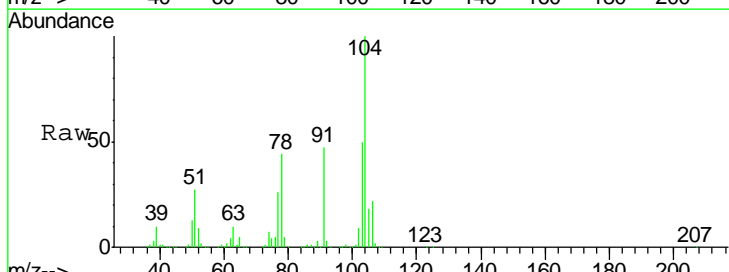
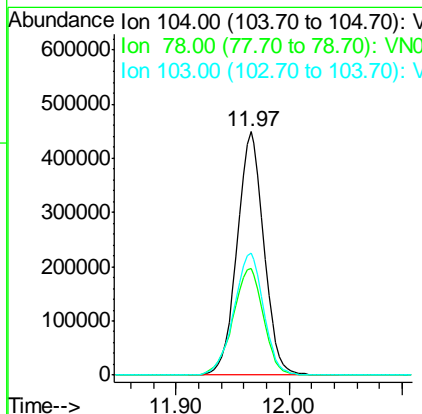
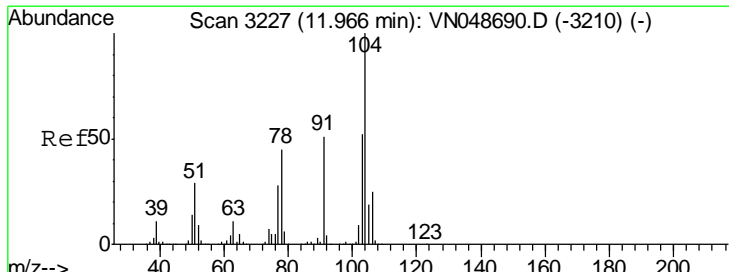
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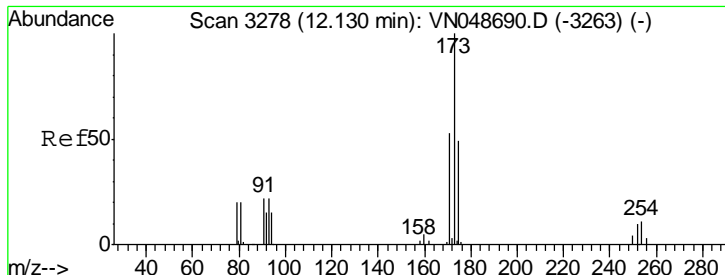
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#70
 Styrene
 Concen: 47.60 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

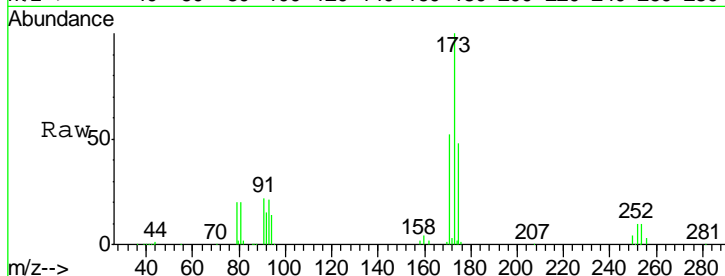
Tgt Ion	Resp	Lower	Upper
104	739709		
104	100		
78	50.0	39.8	59.8
103	55.7	44.6	66.8





#71
 Bromoform
 Concen: 44.44 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

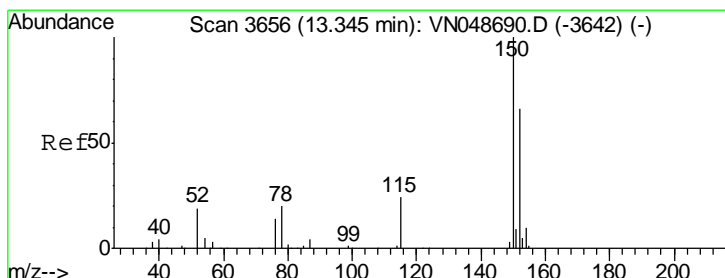
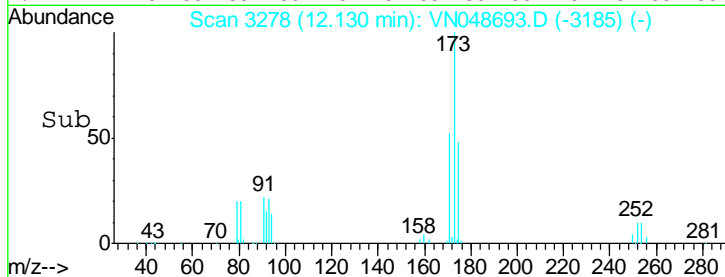
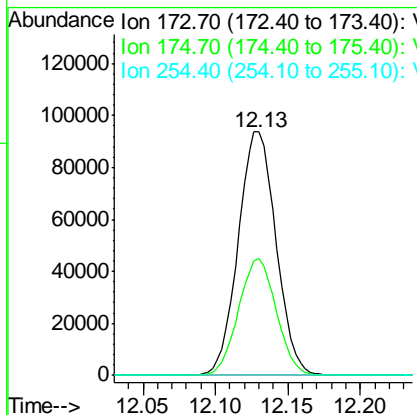
Instrument : MSVOA_N
 Client Sampled : ICVVN052918



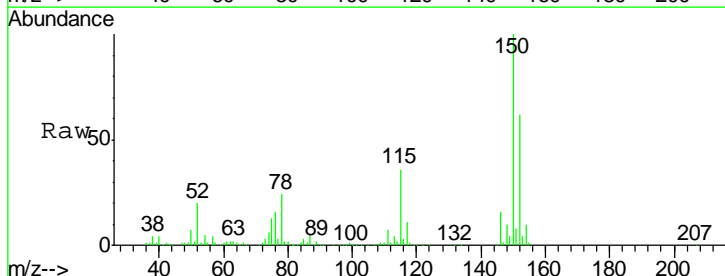
Tgt Ion	Resp	Lower	Upper
173	169842		
175	48.0	23.9	71.8
254	0.0	0.0	0.0

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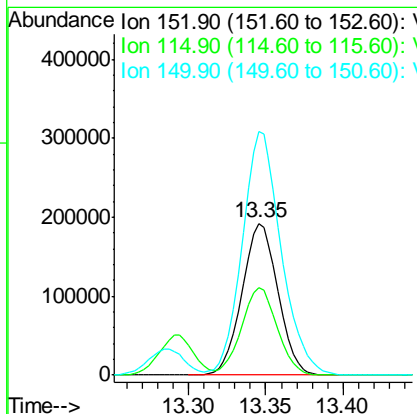
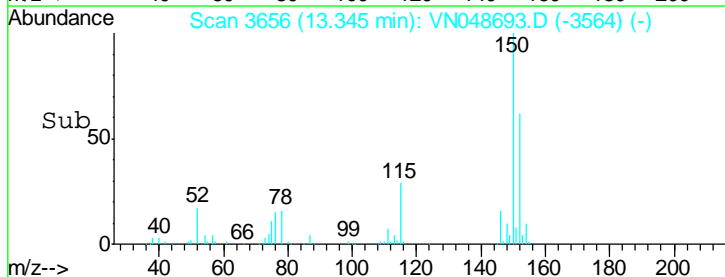
apatel
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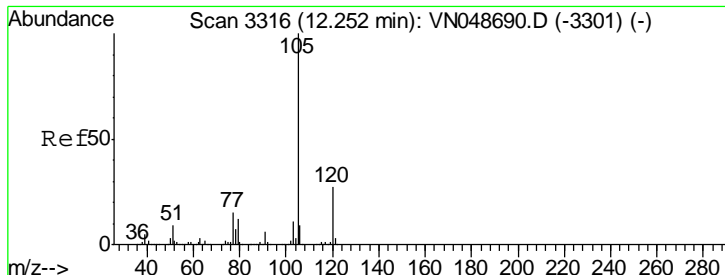


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43



Tgt Ion	Resp	Lower	Upper
152	310081		
152	100		
115	57.3	28.1	84.4
150	173.9	0.0	353.0





#73
 Isopropylbenzene
 Concen: 44.33 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

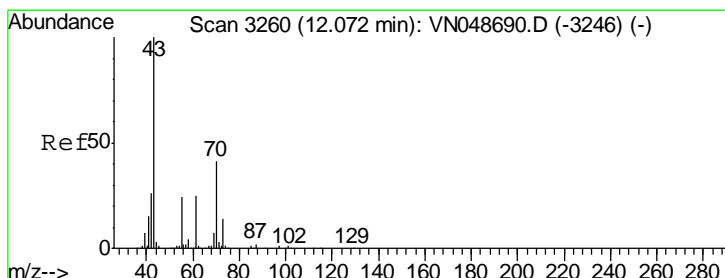
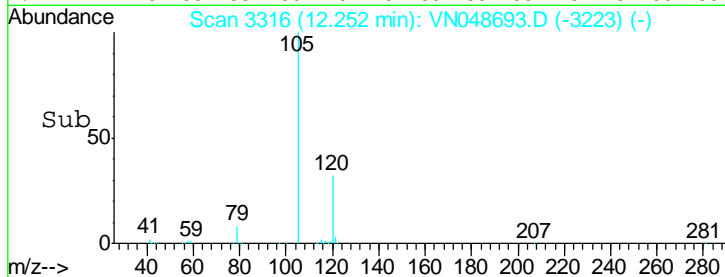
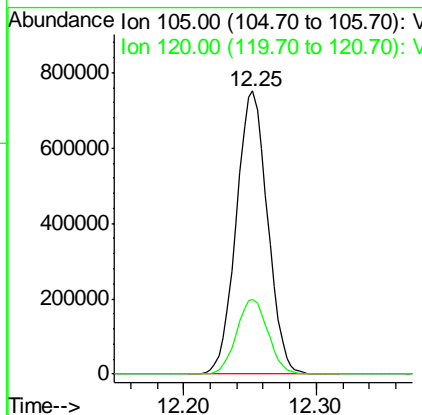
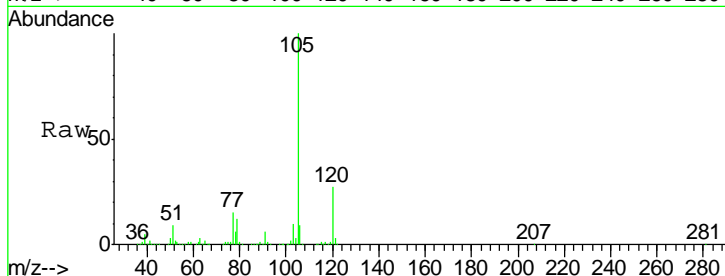
Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion: 105 Resp: 1229024

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9

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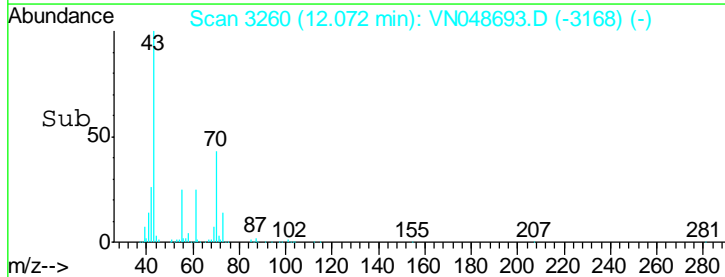
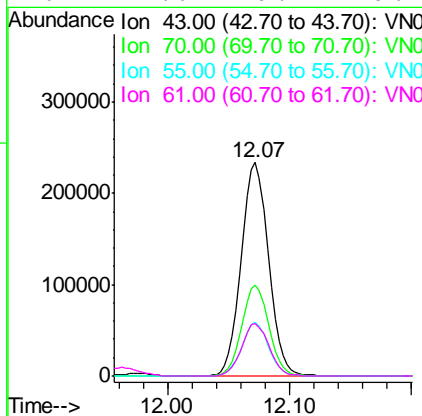
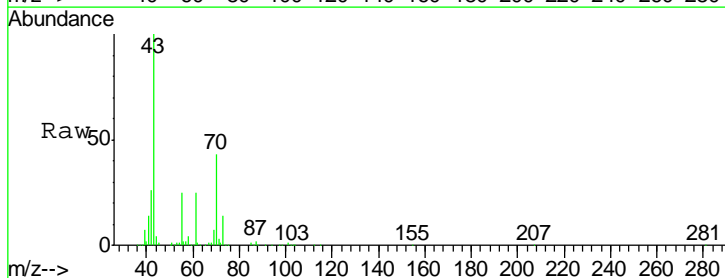
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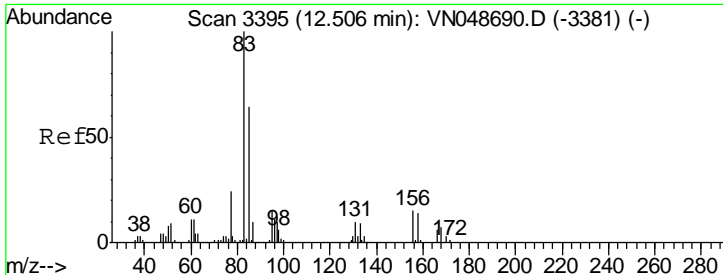


#74
 N-aryl acetate
 Concen: 44.30 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion: 43 Resp: 361685

Ion	Ratio	Lower	Upper
43	100		
70	42.0	33.7	50.5
55	24.6	19.3	28.9
61	24.6	19.4	29.2





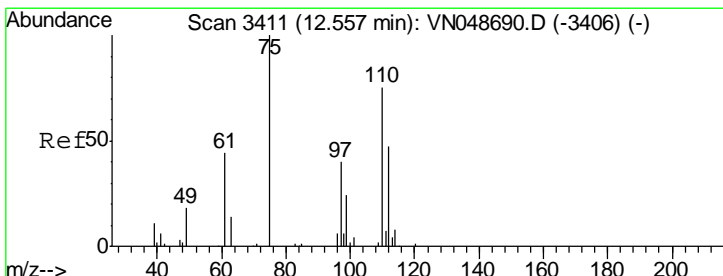
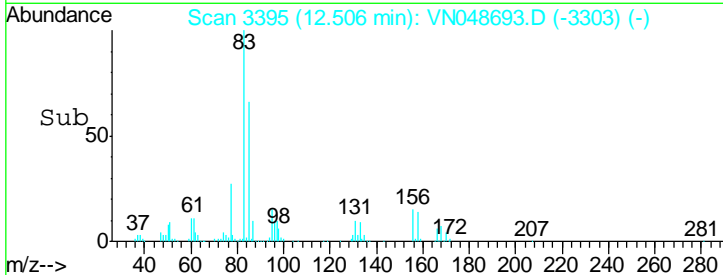
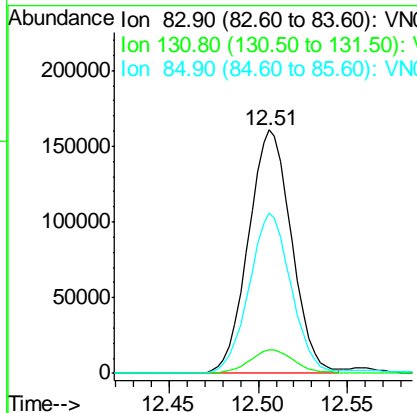
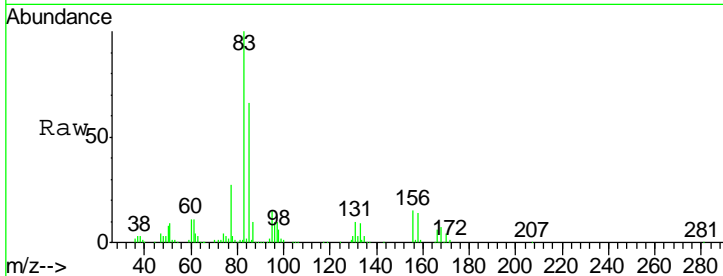
#75
 1,1,2,2-Tetrachloroethane
 Concen: 39.73 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
83	271261		
131	10.2	5.3	15.8
85	64.2	32.4	97.0

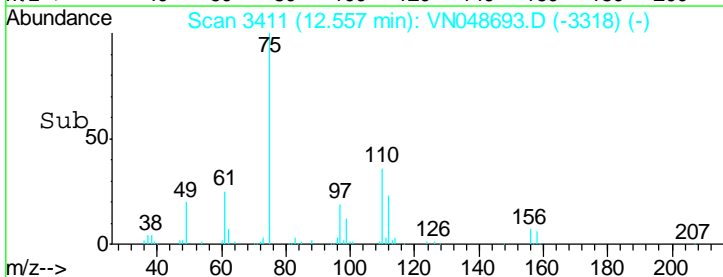
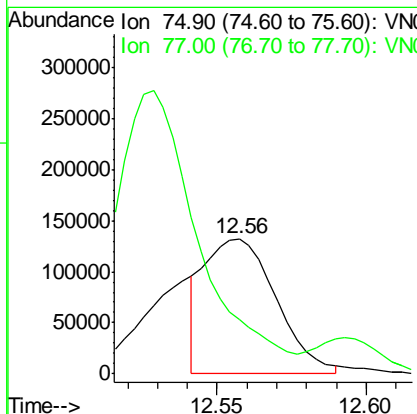
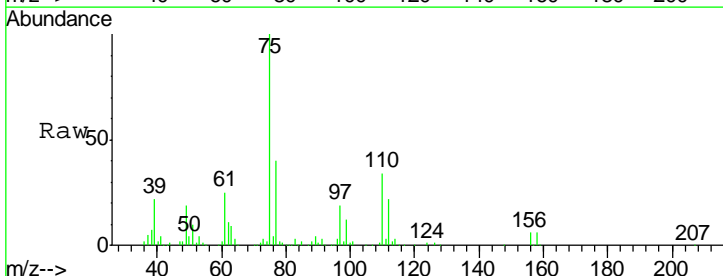
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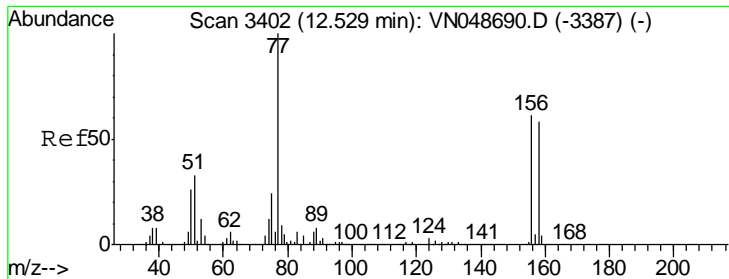
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#76
 1,2,3-Trichloropropane
 Concen: 41.12 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
75	220169		
77	0.0	0.0	0.0





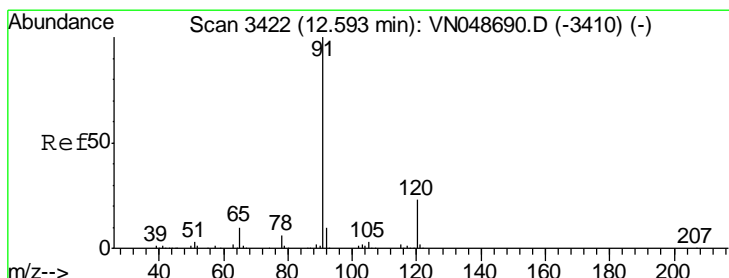
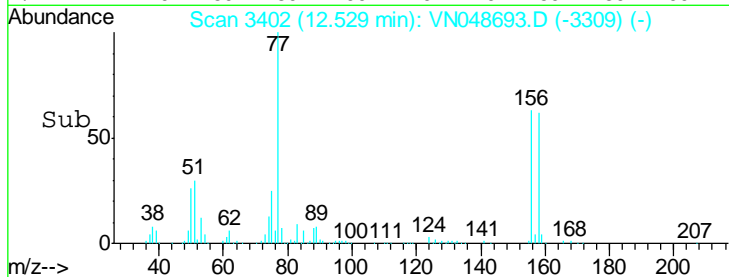
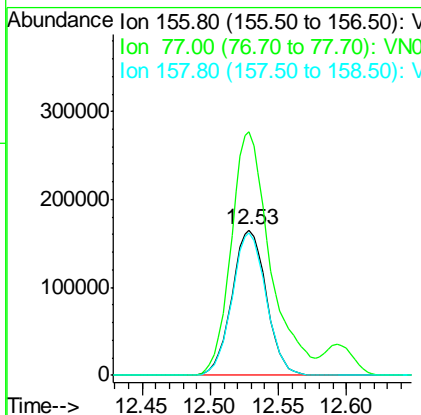
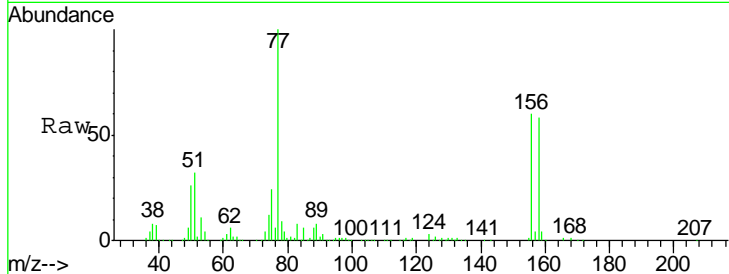
#77
 Bromobenzene
 Concen: 42.81 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN052918

Tgt Ion	Resp	Lower	Upper
156	288568		
77	191.1	93.3	280.1
158	97.4	48.9	146.6

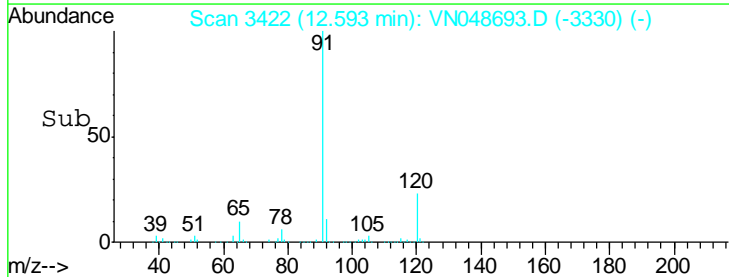
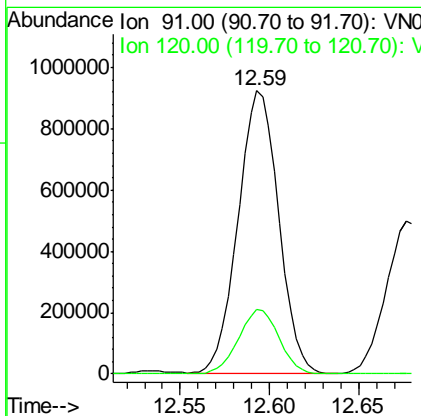
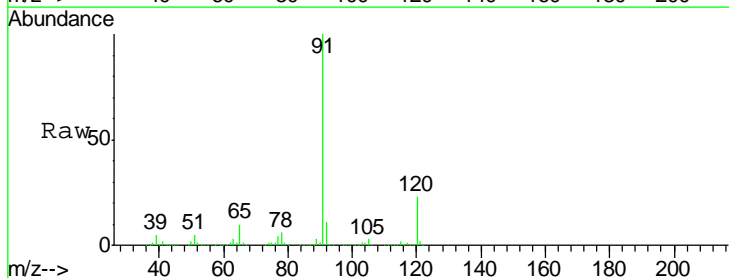
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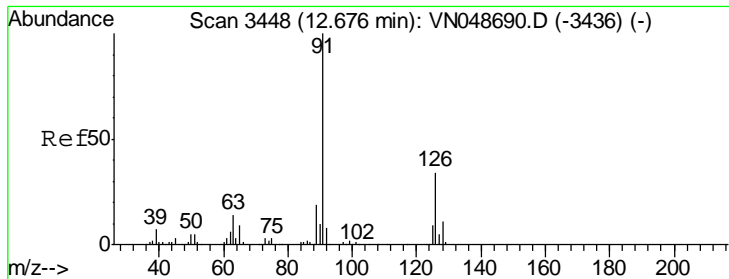
apatel
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#78
 n-propylbenzene
 Concen: 45.86 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
91	1460383		
120	22.8	11.7	35.1





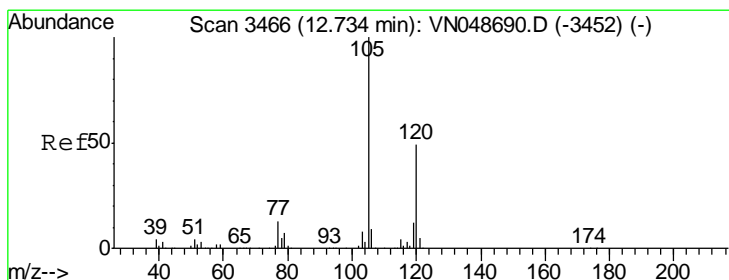
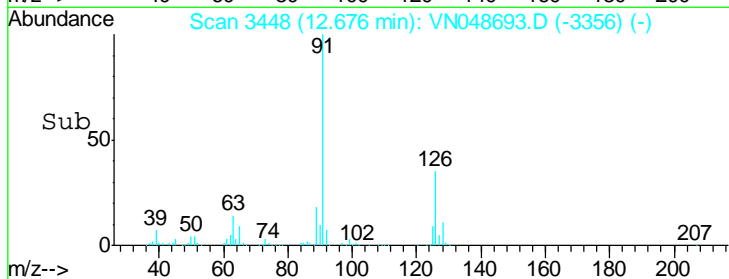
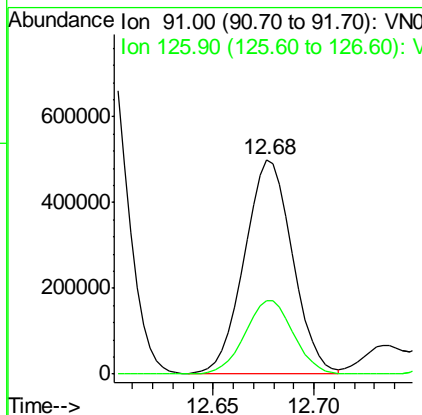
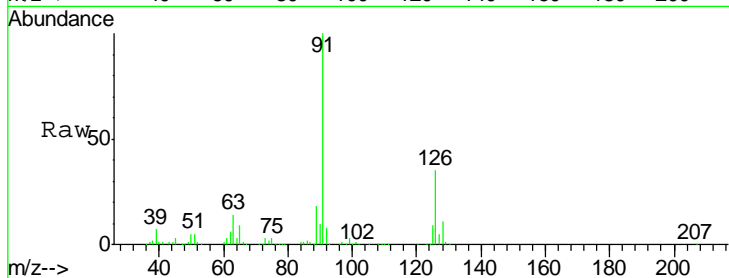
#79
 2-Chlorotoluene
 Concen: 43.58 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 ClientSampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.9	17.5	52.5

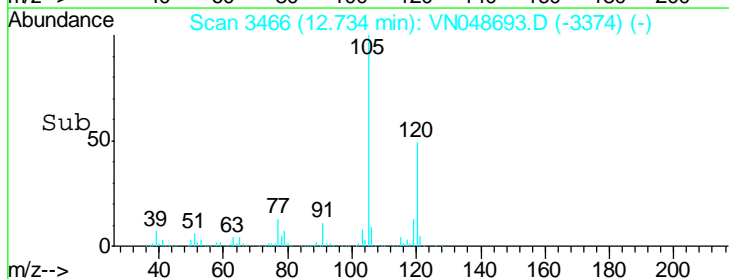
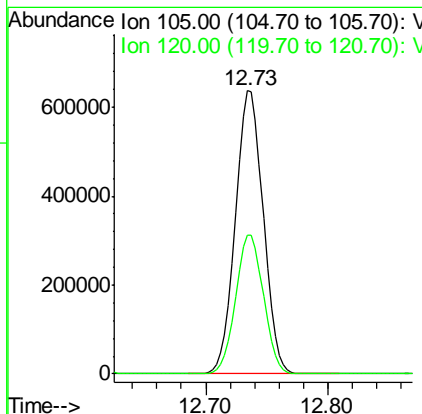
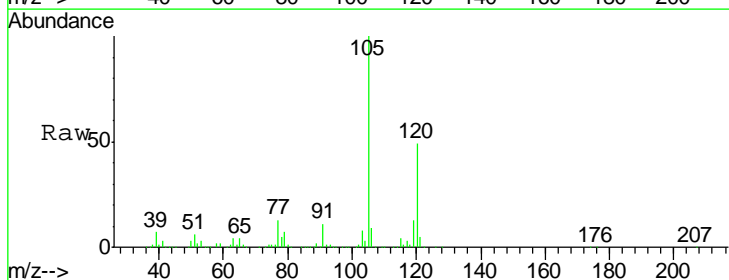
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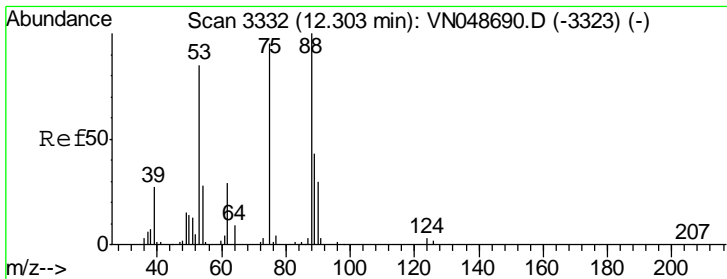
apatel
 6/1/2018 11:15:37 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 44.99 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.1	24.3	72.9





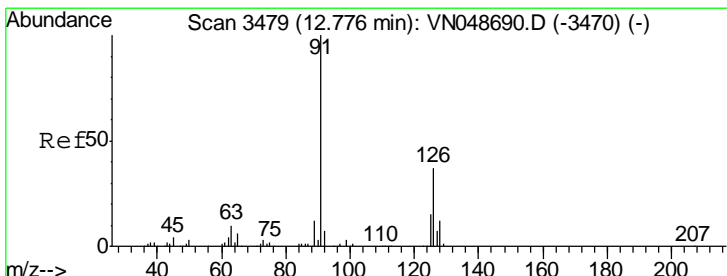
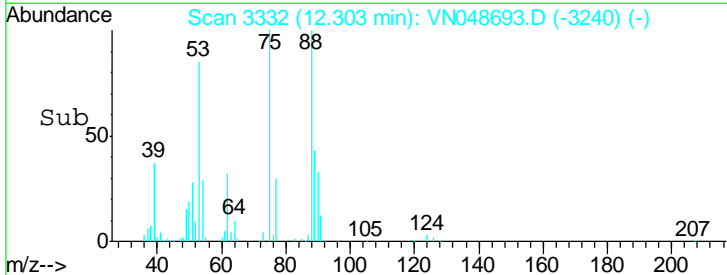
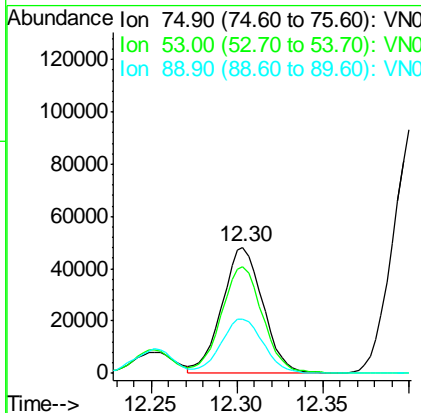
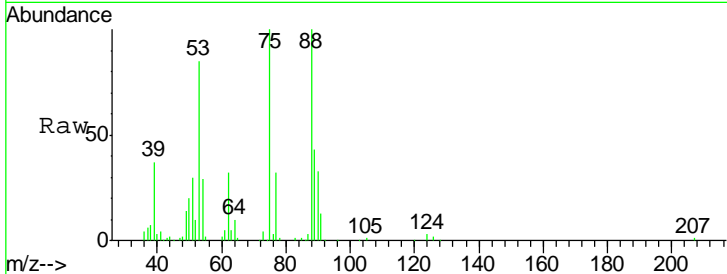
#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.29 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 ClientSampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
75	80079		
75	100		
53	86.0	72.0	108.0
89	44.2	35.2	52.8

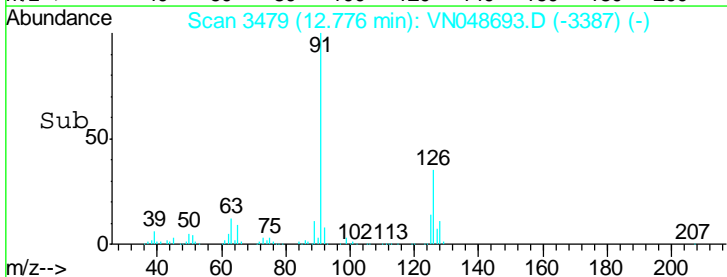
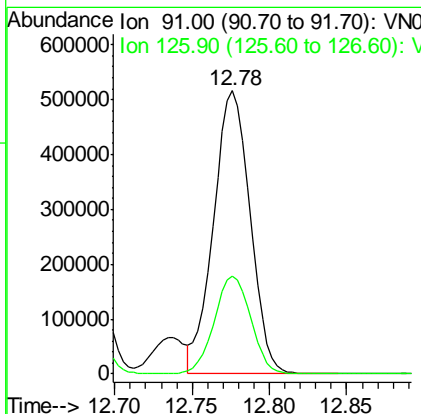
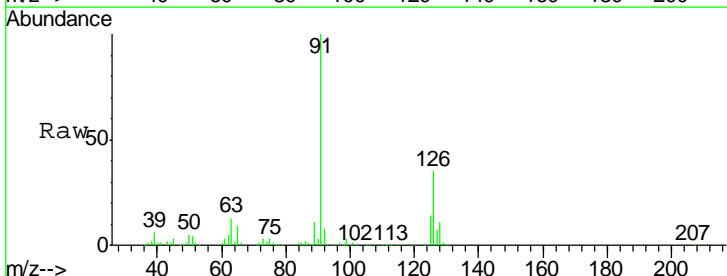
Manual Integrations
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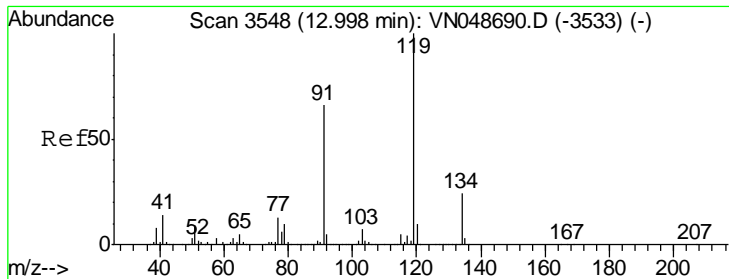
apatel
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#82
 4-Chlorotoluene
 Concen: 44.75 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
91	848948		
91	100		
126	34.4	17.2	51.6





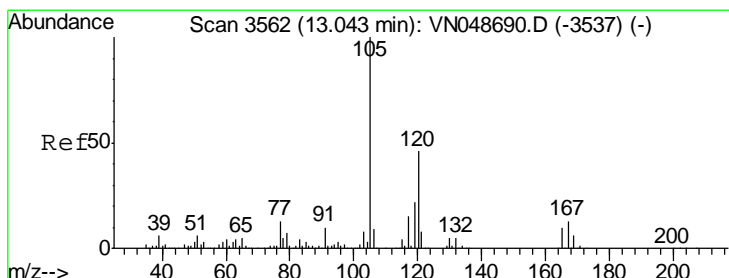
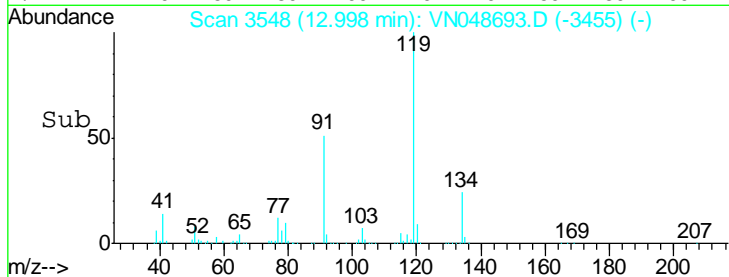
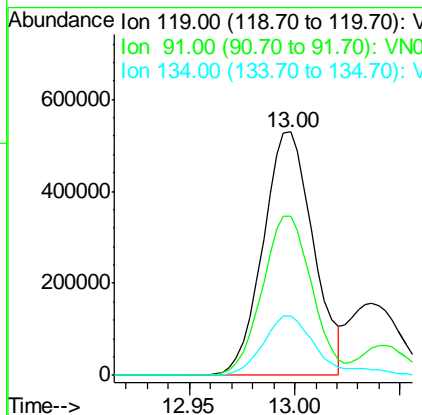
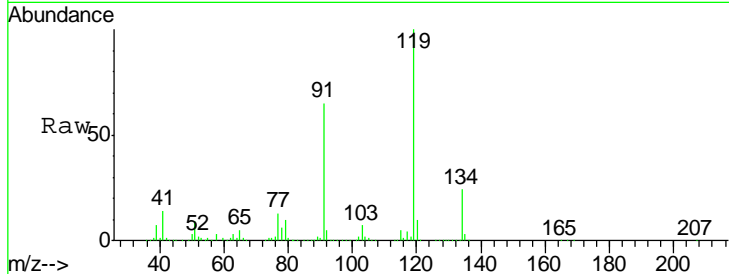
#83
 tert-Butylbenzene
 Concen: 44.03 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
119	874901		
91	64.8	32.2	96.6
134	26.3	13.3	39.9

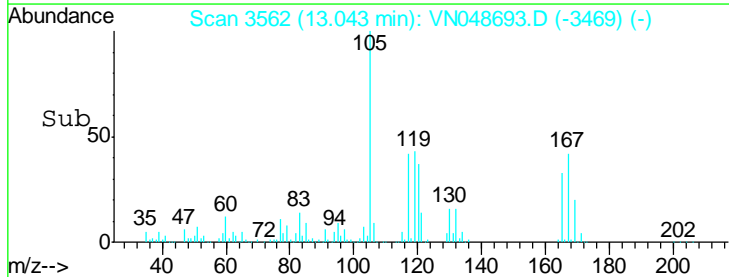
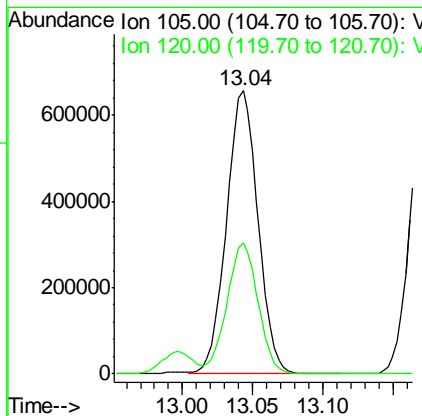
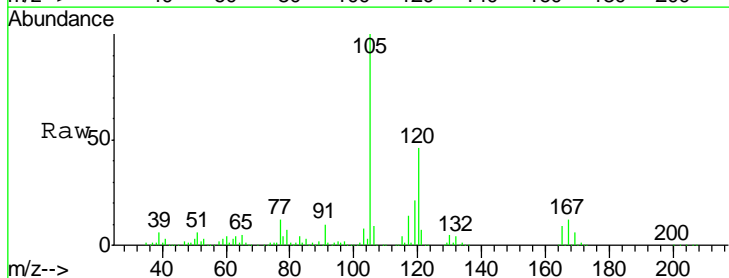
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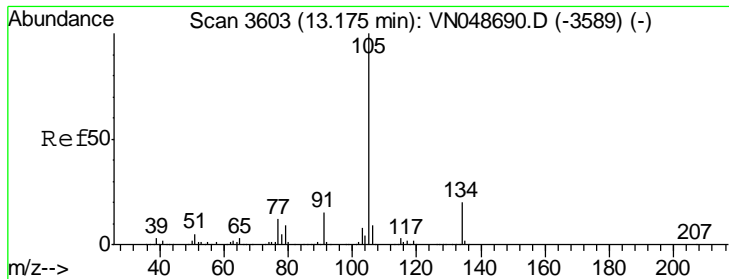
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.60 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
105	1023840		
120	45.8	22.7	68.0





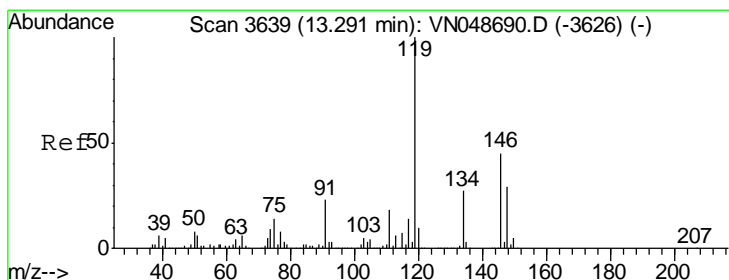
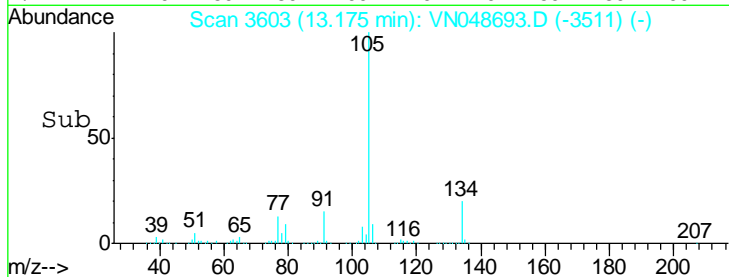
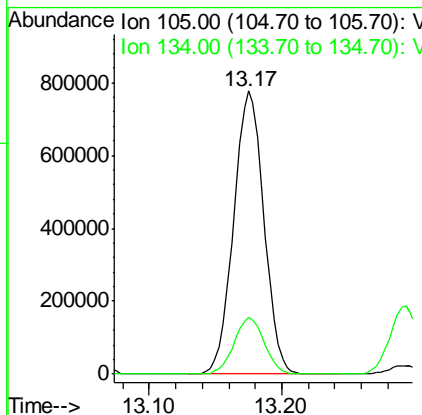
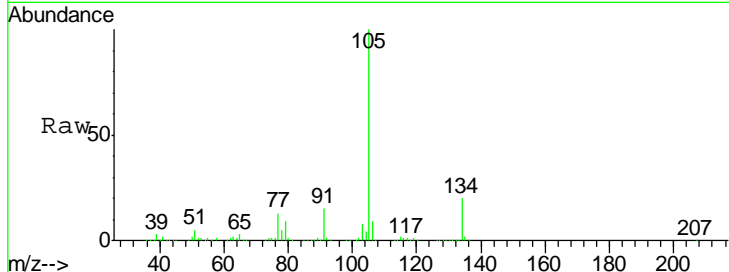
#85
 sec-Butylbenzene
 Concen: 46.47 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN052918

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.1	10.1	30.3

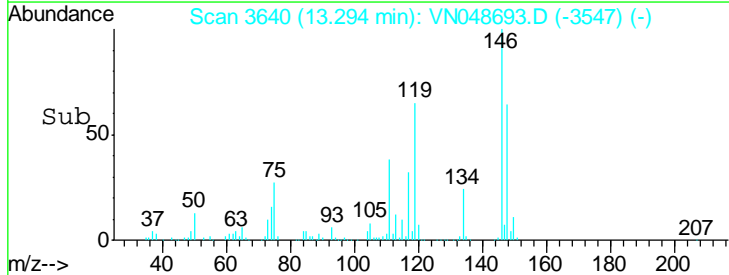
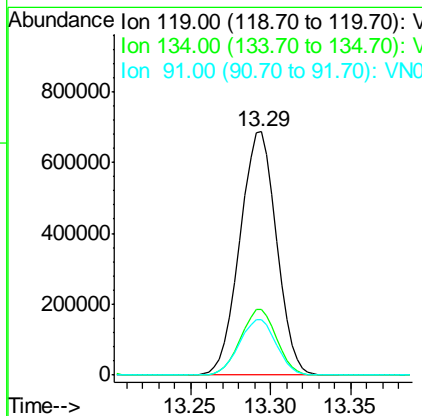
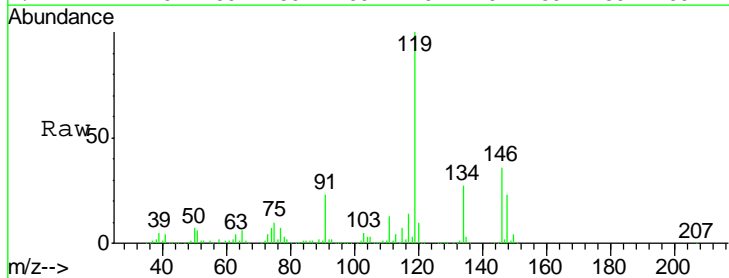
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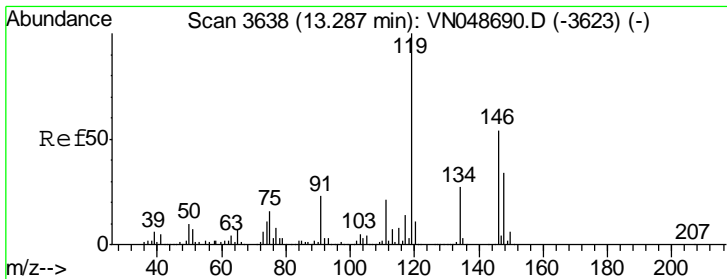
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#86
 p-Isopropyltoluene
 Concen: 47.55 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

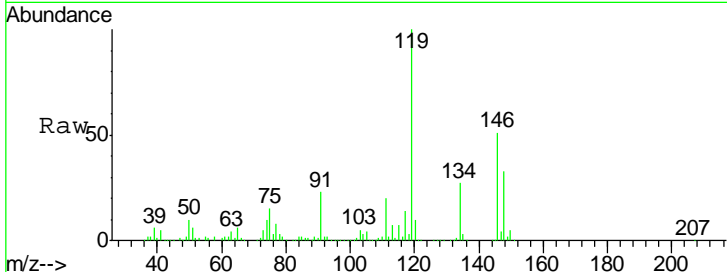
Tgt Ion	Resp	Lower	Upper
119	100		
134	26.6	13.5	40.4
91	23.0	11.4	34.2





#87
 1,3-Dichlorobenzene
 Concen: 44.95 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

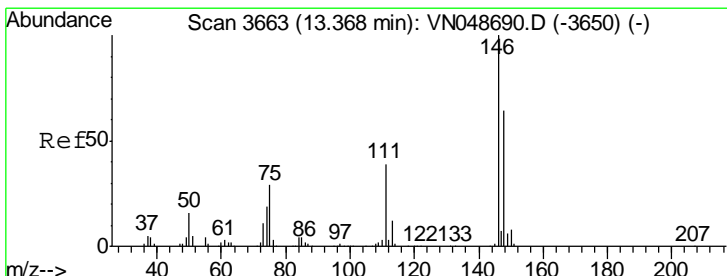
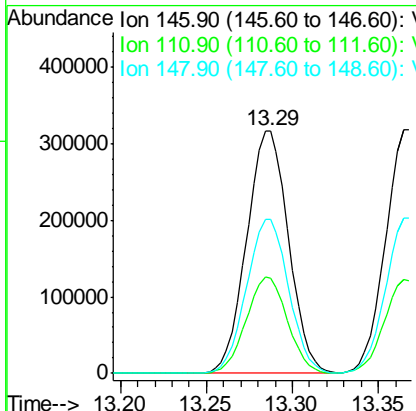
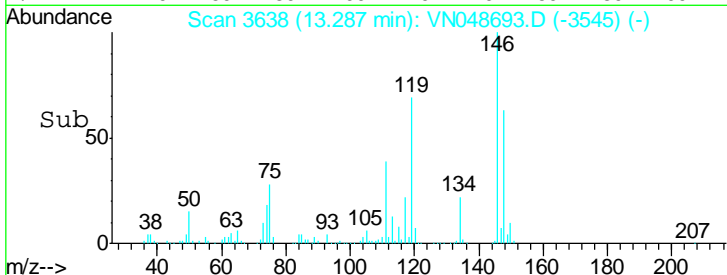
Instrument : MSVOA_N
 Client Sampled : ICVVN052918



Tgt Ion: 146 Resp: 534239

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.9
148	63.8	32.1	96.5

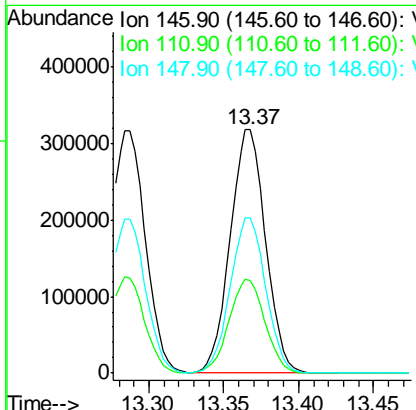
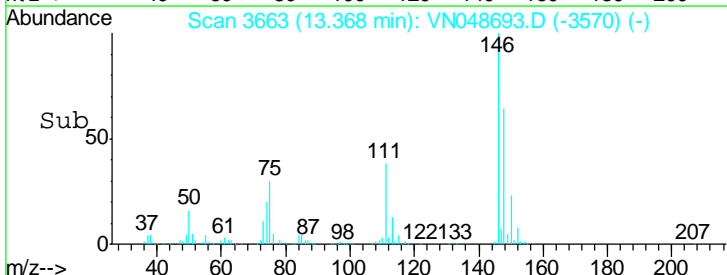
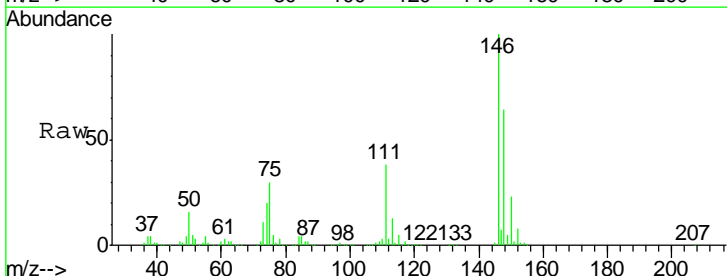
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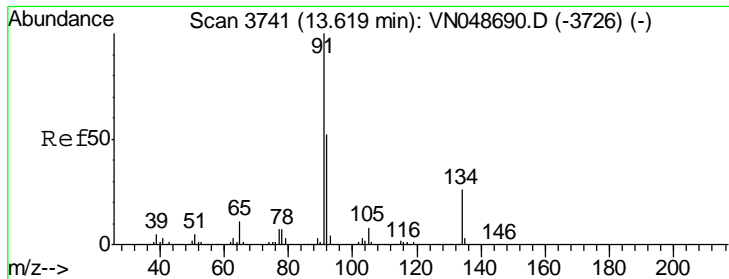


#88
 1,4-Dichlorobenzene
 Concen: 45.42 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion: 146 Resp: 523773

Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.9	56.5
148	64.0	32.2	96.6





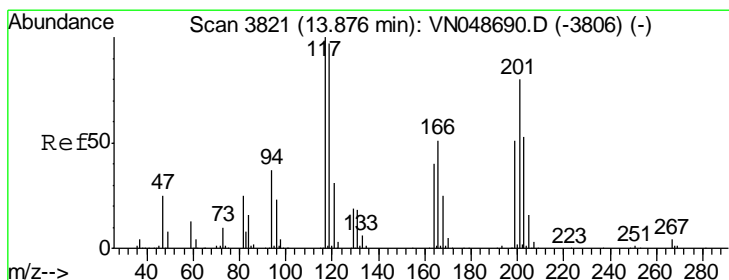
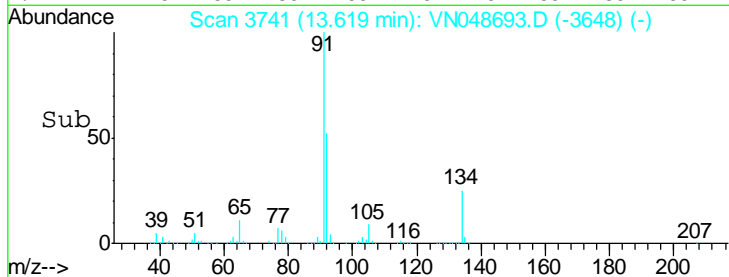
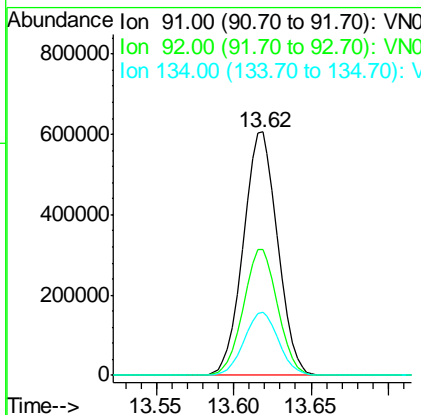
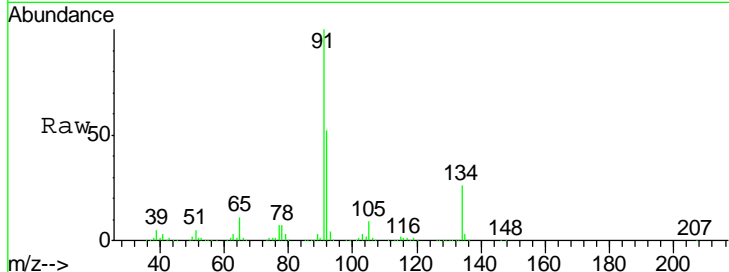
#89
 n-Butylbenzene
 Concen: 49.45 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN052918

Tgt Ion	Resp	Lower	Upper
91	100		
92	51.8	26.3	78.9
134	26.0	13.5	40.4

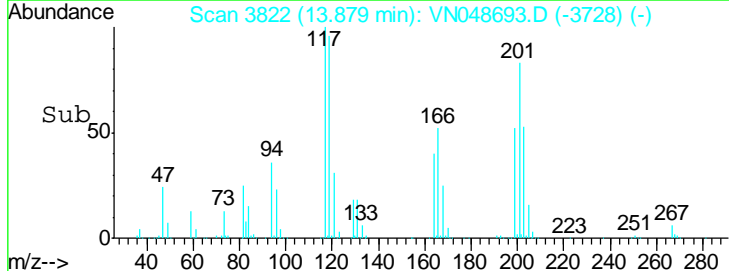
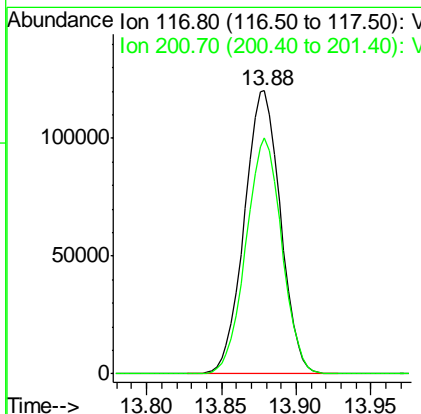
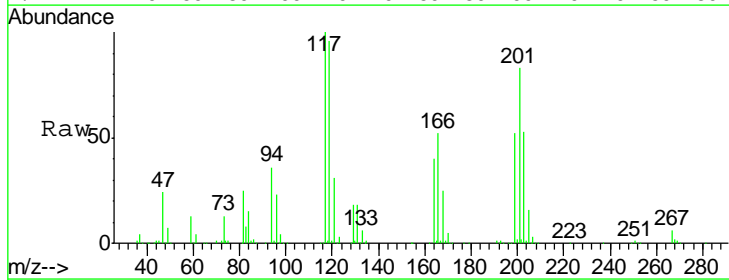
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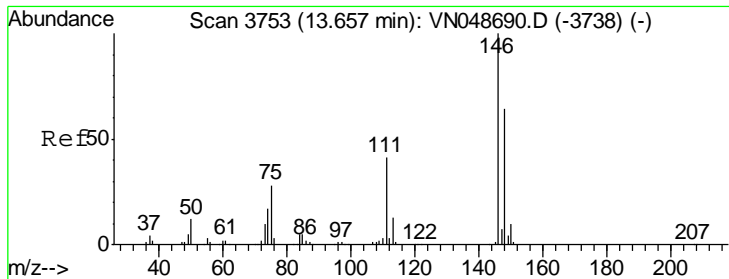
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#90
 Hexachloroethane
 Concen: 42.04 ug/l
 RT: 13.88 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
117	100		
201	82.5	44.6	134.0





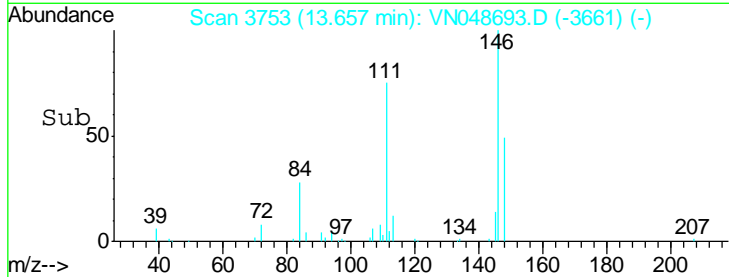
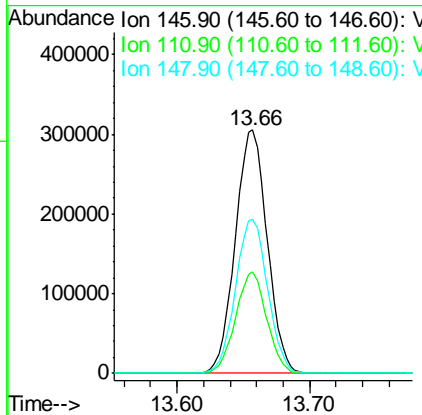
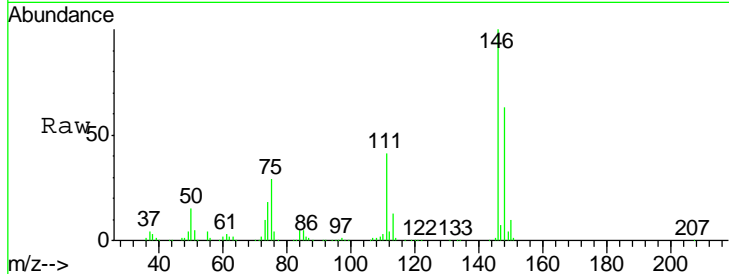
#91
 1,2-Dichlorobenzene
 Concen: 43.95 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
146	510757		
146	100		
111	40.5	19.9	59.6
148	63.6	32.0	96.0

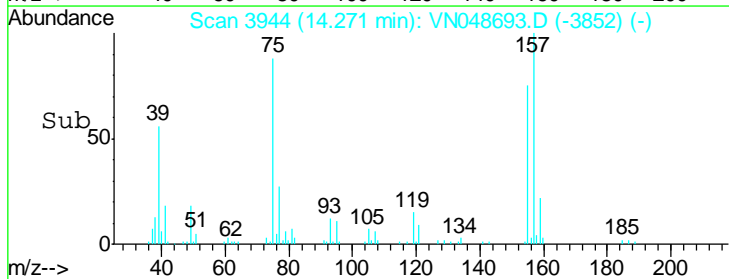
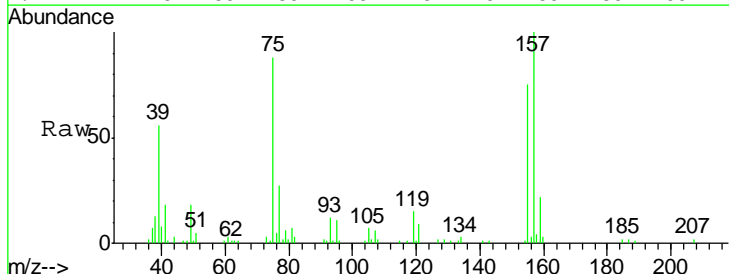
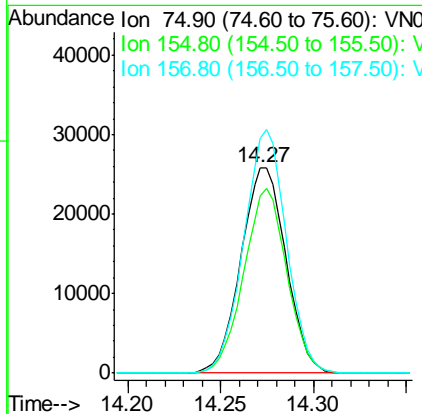
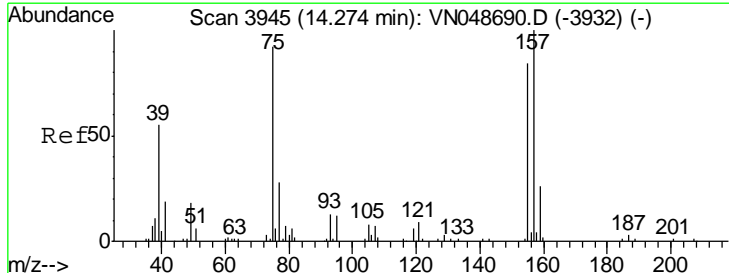
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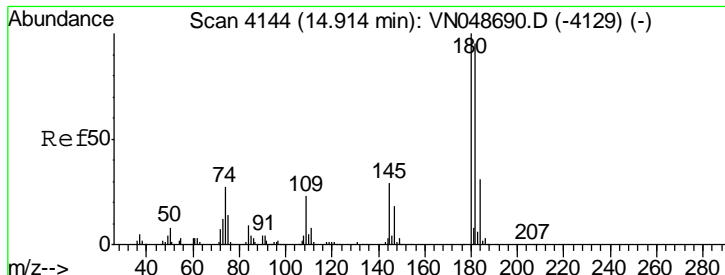
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.20 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion	Resp	Lower	Upper
75	43768		
75	100		
155	86.0	47.1	141.4
157	112.1	60.9	182.6





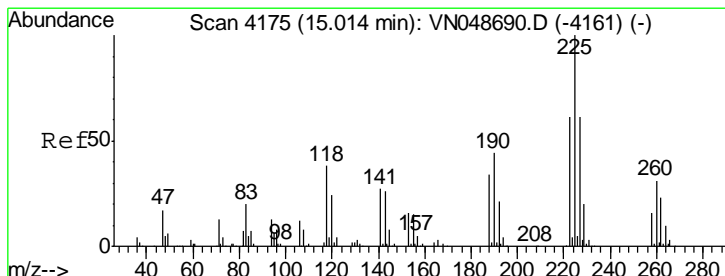
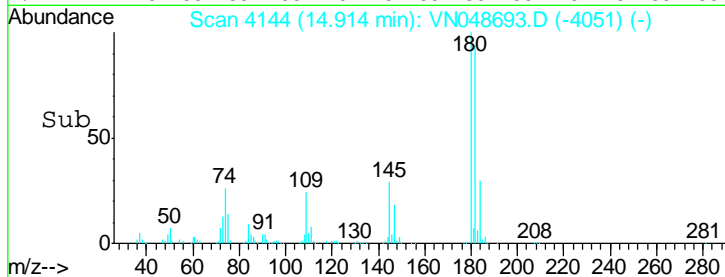
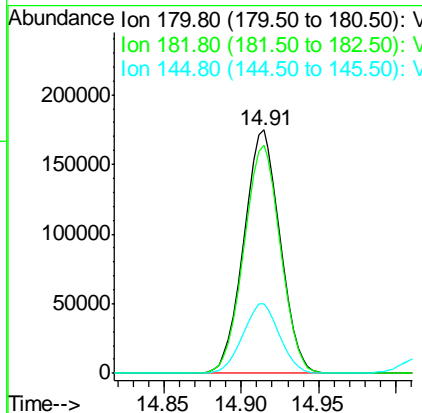
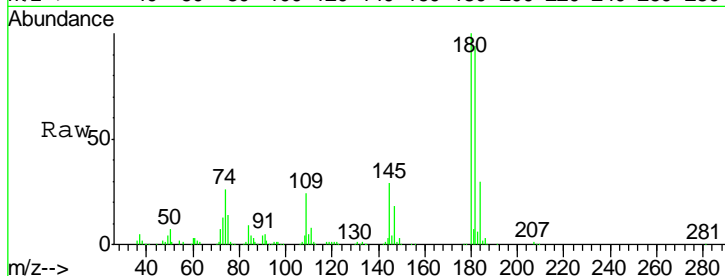
#93
 1,2,4-Trichlorobenzene
 Concen: 46.94 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Instrument : MSVOA_N
 Client Sampled : ICVVN052918

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.6	47.9	143.8
145	29.0	14.6	43.8

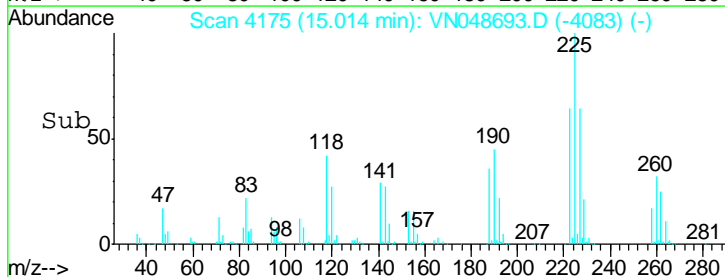
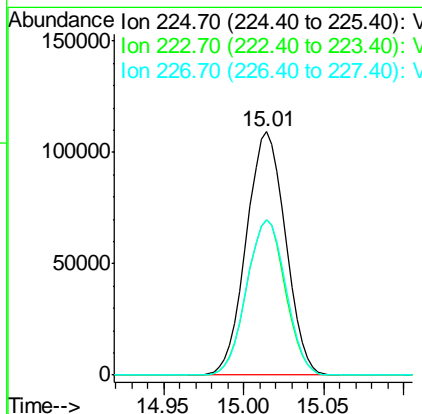
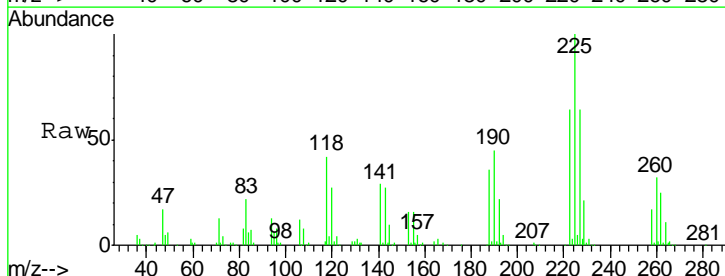
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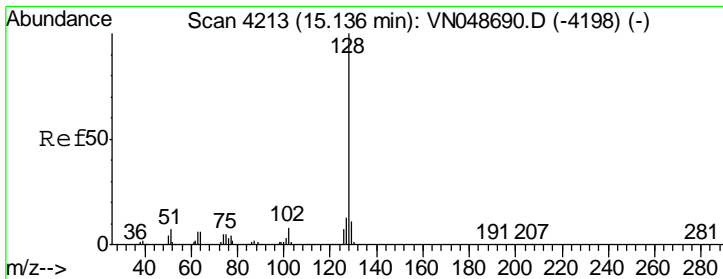
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#94
 Hexachlorobutadiene
 Concen: 49.06 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

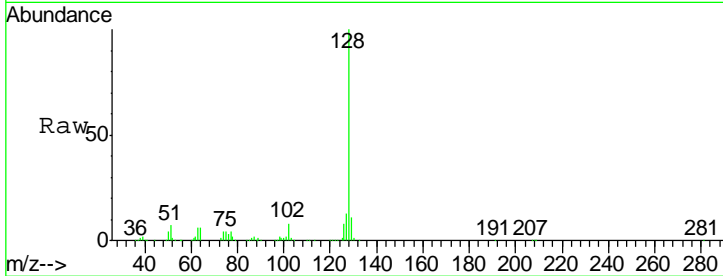
Tgt Ion	Resp	Lower	Upper
225	100		
223	62.8	31.3	93.8
227	64.0	31.9	95.5





#95
 Naphthalene
 Concen: 44.42 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

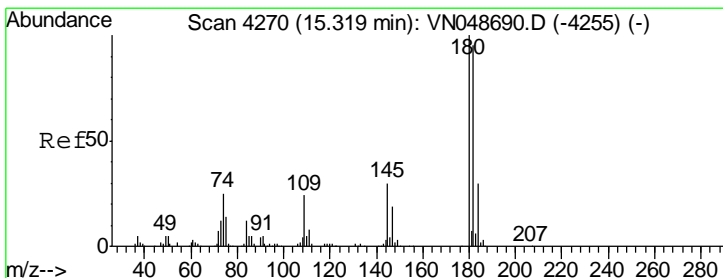
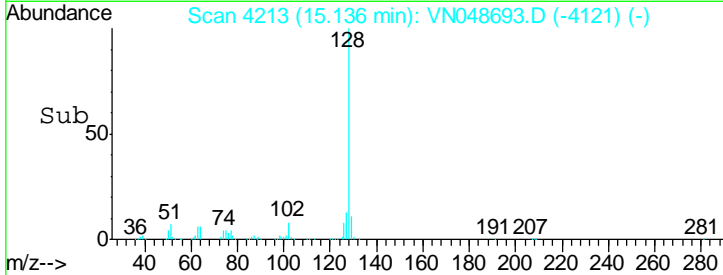
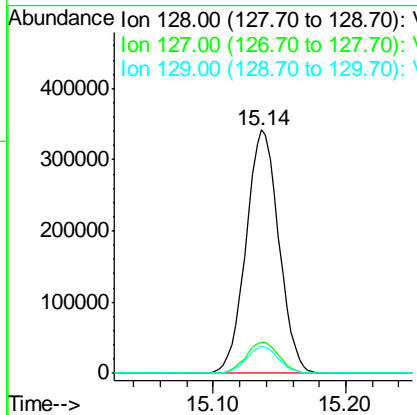
Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN052918



Tgt Ion: 128 Resp: 586031

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.7	13.1

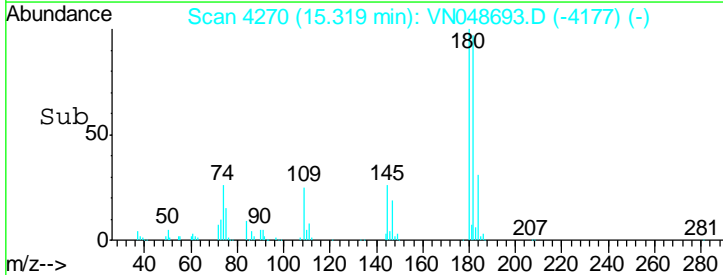
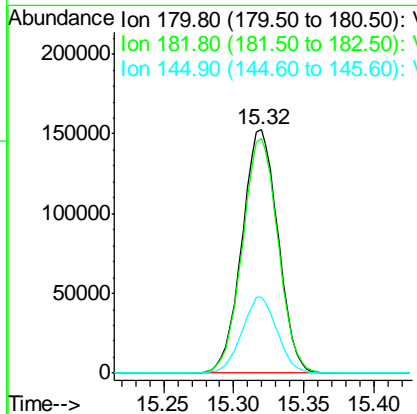
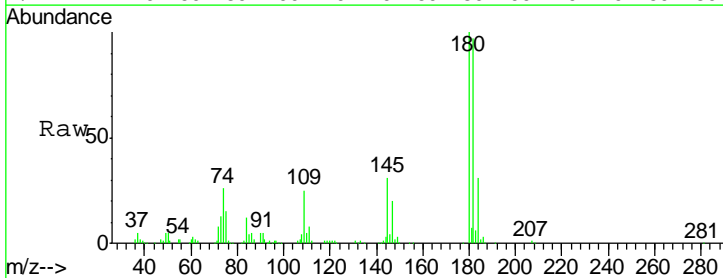
Manual Integrations
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#96
 1,2,3-Trichlorobenzene
 Concen: 46.41 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: VN048693.D
 Acq: 29 May 2018 13:43

Tgt Ion: 180 Resp: 273029

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.4	145.0
145	30.4	15.3	45.9



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048693.D
 Acq On : 29 May 2018 13:43
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN052918

Quant Time: May 31 12:01:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	127	0.00
2 T	Dichlorodifluoromethane	0.661	0.528	20.1#	113	0.00
3 P	Chloromethane	0.964	0.743	22.9#	114	0.00
4 C	Vinyl Chloride	0.791	0.682	13.8#	114	0.00
5 T	Bromomethane	0.410	0.369	10.0	113	0.01
6 T	Chloroethane	0.448	0.385	14.1	113	0.00
7 T	Trichlorofluoromethane	1.066	0.894	16.1	111	0.00
8 T	Diethyl Ether	0.395	0.344	12.9	112	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.684	0.592	13.5	115	0.00
10 T	Methyl Iodide	0.946	0.809	14.5	108	0.00
11 T	Tert butyl alcohol	0.050	0.041	18.0	112	-0.01
12 CM	1,1-Dichloroethene	0.652	0.558	14.4#	112	0.00
13 T	Acrolein	0.071	0.064	9.9	107	0.00
14 T	Allyl chloride	1.220	1.032	15.4	111	0.00
15 T	Acrylonitrile	0.236	0.206	12.7	109	0.00
16 T	Acetone	0.204	0.167	18.1	118	0.00
17 T	Carbon Disulfide	2.133	1.783	16.4	112	0.00
18 T	Methyl Acetate	0.603	0.438	27.4#	106	0.00
19 T	Methyl tert-butyl Ether	1.784	1.548	13.2	110	0.00
20 T	Methylene Chloride	0.781	0.630	19.3	109	0.00
21 T	trans-1,2-Dichloroethene	0.696	0.603	13.4	112	0.00
22 T	Diisopropyl ether	2.328	1.986	14.7	108	0.00
23 T	Vinyl Acetate	1.582	1.389	12.2	109	0.00
24 P	1,1-Dichloroethane	1.372	1.155	15.8	109	0.00
25 T	2-Butanone	0.277	0.240	13.4	113	0.00
26 T	2,2-Dichloropropane	1.142	0.985	13.7	114	0.00
27 T	cis-1,2-Dichloroethene	0.785	0.676	13.9	111	0.00
28 T	Bromochloromethane	0.534	0.625	-17.0	122	0.00
29 T	Tetrahydrofuran	0.186	0.156	16.1	107	0.00
30 C	Chloroform	1.319	1.115	15.5#	109	0.00
31 T	Cyclohexane	1.419	1.102	22.3#	114	0.00
32 T	1,1,1-Trichloroethane	1.149	0.978	14.9	109	0.00
33 S	1,2-Dichloroethane-d4	0.727	0.712	2.1	132	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	125	0.00
35 S	Dibromofluoromethane	0.423	0.450	-6.4	133	0.00
36 T	1,1-Dichloropropene	0.691	0.620	10.3	113	0.00
37 T	Ethyl Acetate	0.414	0.364	12.1	110	0.00
38 T	Carbon Tetrachloride	0.706	0.611	13.5	110	0.00
39 T	Methylcyclohexane	0.751	0.718	4.4	117	0.00
40 TM	Benzene	2.016	1.771	12.2	109	0.00
41 T	Methacrylonitrile	0.229	0.213	7.0	117	0.00
42 TM	1,2-Dichloroethane	0.629	0.546	13.2	109	0.00
43 T	Isopropyl Acetate	0.763	0.675	11.5	108	0.00
44 TM	Trichloroethene	0.519	0.470	9.4	111	0.00
45 C	1,2-Dichloropropane	0.549	0.487	11.3#	109	0.00

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048693.D
 Acq On : 29 May 2018 13:43
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN052918

Quant Time: May 31 12:01:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.308	0.272	11.7	111	0.00
47 T	Bromodichloromethane	0.689	0.602	12.6	111	0.00
48 T	Methyl methacrylate	0.369	0.320	13.3	108	0.00
49 T	1,4-Dioxane	0.004	0.004	0.0	109	0.00
50 S	Toluene-d8	1.565	1.665	-6.4	135	0.00
51 T	4-Methyl-2-Pentanone	0.402	0.353	12.2	108	0.00
52 CM	Toluene	1.190	1.079	9.3#	110	0.00
53 T	t-1,3-Dichloropropene	0.692	0.625	9.7	110	0.00
54 T	cis-1,3-Dichloropropene	0.805	0.730	9.3	110	0.00
55 T	1,1,2-Trichloroethane	0.427	0.381	10.8	109	0.00
56 T	Ethyl methacrylate	0.541	0.505	6.7	109	0.00
57 T	1,3-Dichloropropane	0.750	0.651	13.2	107	0.00
58 T	2-Chloroethyl Vinyl ether	0.192	0.213	-10.9	126	0.00
59 T	2-Hexanone	0.265	0.242	8.7	112	0.00
60 T	Dibromochloromethane	0.501	0.444	11.4	109	0.00
61 T	1,2-Dibromoethane	0.422	0.349	17.3	105	0.00
62 S	4-Bromofluorobenzene	0.540	0.592	-9.6	139	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	125	0.00
64 T	Tetrachloroethene	0.506	0.450	11.1	114	0.00
65 PM	Chlorobenzene	1.464	1.301	11.1	111	0.00
66 T	1,1,1,2-Tetrachloroethane	0.551	0.478	13.2	109	0.00
67 C	Ethyl Benzene	2.535	2.312	8.8#	112	0.00
68 T	m/p-Xylenes	0.956	0.886	7.3	111	0.00
69 T	o-Xylene	0.922	0.857	7.0	111	0.00
70 T	Styrene	1.449	1.380	4.8	112	0.00
71 P	Bromoform	0.356	0.317	11.0	110	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	123	0.00
73 T	Isopropylbenzene	4.471	3.964	11.3	112	0.00
74 T	N-amyl acetate	1.317	1.166	11.5	109	0.00
75 P	1,1,2,2-Tetrachloroethane	1.101	0.875	20.5#	106	0.00
76 T	1,2,3-Trichloropropane	0.863	0.710	17.7	106	0.00
77 T	Bromobenzene	1.087	0.931	14.4	110	0.00
78 T	n-propylbenzene	5.134	4.710	8.3	114	0.00
79 T	2-Chlorotoluene	3.079	2.684	12.8	110	0.00
80 T	1,3,5-Trimethylbenzene	3.603	3.242	10.0	111	0.00
81 T	trans-1,4-Dichloro-2-butene	0.313	0.258	17.6	107	0.00
82 T	4-Chlorotoluene	3.059	2.738	10.5	112	0.00
83 T	tert-Butylbenzene	3.204	2.822	11.9	112	0.00
84 T	1,2,4-Trimethylbenzene	3.620	3.302	8.8	111	0.00
85 T	sec-Butylbenzene	4.250	3.950	7.1	114	0.00
86 T	p-Isopropyltoluene	3.625	3.447	4.9	115	0.00
87 T	1,3-Dichlorobenzene	1.916	1.723	10.1	112	0.00
88 T	1,4-Dichlorobenzene	1.860	1.689	9.2	113	0.00
89 T	n-Butylbenzene	3.046	3.012	1.1	118	0.00

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048693.D
 Acq On : 29 May 2018 13:43
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052918

Quant Time: May 31 12:01:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.777	0.653	16.0	111	0.00
91 T	1,2-Dichlorobenzene	1.874	1.647	12.1	110	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.163	0.141	13.5	108	0.00
93 T	1,2,4-Trichlorobenzene	0.830	0.918	-10.6	122	0.00
94 T	Hexachlorobutadiene	0.602	0.591	1.8	128	0.00
95 T	Naphthalene	1.776	1.890	-6.4	119	0.00
96 T	1,2,3-Trichlorobenzene	0.852	0.881	-3.4	117	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048693.D
 Acq On : 29 May 2018 13:43
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052918

Quant Time: May 30 07:11:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	127	0.00
2 T	Dichlorodifluoromethane	50.000	44.101	11.8	113	0.00
3 P	Chloromethane	50.000	44.173	11.7	114	0.00
4 C	Vinyl Chloride	50.000	43.156	13.7#	114	0.00
5 T	Bromomethane	50.000	44.994	10.0	113	0.01
6 T	Chloroethane	50.000	42.935	14.1	113	0.00
7 T	Trichlorofluoromethane	50.000	41.939	16.1	111	0.00
8 T	Diethyl Ether	50.000	43.564	12.9	112	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	43.294	13.4	115	0.00
10 T	Methyl Iodide	50.000	42.777	14.4	108	0.00
11 T	Tert butyl alcohol	250.000	204.575	18.2	112	-0.01
12 CM	1,1-Dichloroethene	50.000	42.746	14.5#	112	0.00
13 T	Acrolein	250.000	213.241	14.7	107	0.00
14 T	Allyl chloride	50.000	42.303	15.4	111	0.00
15 T	Acrylonitrile	250.000	218.432	12.6	109	0.00
16 T	Acetone	250.000	232.788	6.9	118	0.00
17 T	Carbon Disulfide	50.000	41.804	16.4	112	0.00
18 T	Methyl Acetate	50.000	41.087	17.8	106	0.00
19 T	Methyl tert-butyl Ether	50.000	43.393	13.2	110	0.00
20 T	Methylene Chloride	50.000	40.329	19.3	109	0.00
21 T	trans-1,2-Dichloroethene	50.000	43.281	13.4	112	0.00
22 T	Diisopropyl ether	50.000	42.664	14.7	108	0.00
23 T	Vinyl Acetate	250.000	219.420	12.2	109	0.00
24 P	1,1-Dichloroethane	50.000	42.103	15.8	109	0.00
25 T	2-Butanone	250.000	216.791	13.3	113	0.00
26 T	2,2-Dichloropropane	50.000	43.110	13.8	114	0.00
27 T	cis-1,2-Dichloroethene	50.000	43.063	13.9	111	0.00
28 T	Bromochloromethane	50.000	50.190	-0.4	122	0.00
29 T	Tetrahydrofuran	250.000	209.499	16.2	107	0.00
30 C	Chloroform	50.000	42.267	15.5#	109	0.00
31 T	Cyclohexane	50.000	44.236	11.5	114	0.00
32 T	1,1,1-Trichloroethane	50.000	42.571	14.9	109	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.980	2.0	132	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	125	0.00
35 S	Dibromofluoromethane	50.000	53.128	-6.3	133	0.00
36 T	1,1-Dichloropropene	50.000	44.862	10.3	113	0.00
37 T	Ethyl Acetate	50.000	43.983	12.0	110	0.00
38 T	Carbon Tetrachloride	50.000	43.262	13.5	110	0.00
39 T	Methylcyclohexane	50.000	47.777	4.4	117	0.00
40 TM	Benzene	50.000	43.923	12.2	109	0.00
41 T	Methacrylonitrile	50.000	46.542	6.9	117	0.00
42 TM	1,2-Dichloroethane	50.000	43.415	13.2	109	0.00
43 T	Isopropyl Acetate	50.000	44.237	11.5	108	0.00
44 TM	Trichloroethene	50.000	45.247	9.5	111	0.00
45 C	1,2-Dichloropropane	50.000	44.377	11.2#	109	0.00

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048693.D
 Acq On : 29 May 2018 13:43
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052918

Quant Time: May 30 07:11:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	44.154	11.7	111	0.00
47 T	Bromodichloromethane	50.000	43.728	12.5	111	0.00
48 T	Methyl methacrylate	50.000	43.371	13.3	108	0.00
49 T	1,4-Dioxane	1000.000	838.589	16.1	109	0.00
50 S	Toluene-d8	50.000	53.192	-6.4	135	0.00
51 T	4-Methyl-2-Pentanone	250.000	219.636	12.1	108	0.00
52 CM	Toluene	50.000	45.327	9.3#	110	0.00
53 T	t-1,3-Dichloropropene	50.000	45.174	9.7	110	0.00
54 T	cis-1,3-Dichloropropene	50.000	45.343	9.3	110	0.00
55 T	1,1,2-Trichloroethane	50.000	44.627	10.7	109	0.00
56 T	Ethyl methacrylate	50.000	42.462	15.1	109	0.00
57 T	1,3-Dichloropropane	50.000	43.378	13.2	107	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	239.041	4.4	126	0.00
59 T	2-Hexanone	250.000	227.942	8.8	112	0.00
60 T	Dibromochloromethane	50.000	44.276	11.4	109	0.00
61 T	1,2-Dibromoethane	50.000	41.325	17.3	105	0.00
62 S	4-Bromofluorobenzene	50.000	54.836	-9.7	139	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	125	0.00
64 T	Tetrachloroethene	50.000	44.431	11.1	114	0.00
65 PM	Chlorobenzene	50.000	44.429	11.1	111	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	43.363	13.3	109	0.00
67 C	Ethyl Benzene	50.000	45.605	8.8#	112	0.00
68 T	m/p-Xylenes	100.000	92.656	7.3	111	0.00
69 T	o-Xylene	50.000	46.496	7.0	111	0.00
70 T	Styrene	50.000	47.598	4.8	112	0.00
71 P	Bromoform	50.000	44.436	11.1	110	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	123	0.00
73 T	Isopropylbenzene	50.000	44.329	11.3	112	0.00
74 T	N-amyl acetate	50.000	44.300	11.4	109	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	39.732	20.5#	106	0.00
76 T	1,2,3-Trichloropropane	50.000	64.003	-28.0#	165	0.00
77 T	Bromobenzene	50.000	42.806	14.4	110	0.00
78 T	n-propylbenzene	50.000	45.864	8.3	114	0.00
79 T	2-Chlorotoluene	50.000	43.579	12.8	110	0.00
80 T	1,3,5-Trimethylbenzene	50.000	44.991	10.0	111	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	41.291	17.4	107	0.00
82 T	4-Chlorotoluene	50.000	44.754	10.5	112	0.00
83 T	tert-Butylbenzene	50.000	44.028	11.9	112	0.00
84 T	1,2,4-Trimethylbenzene	50.000	45.603	8.8	111	0.00
85 T	sec-Butylbenzene	50.000	46.469	7.1	114	0.00
86 T	p-Isopropyltoluene	50.000	47.547	4.9	115	0.00
87 T	1,3-Dichlorobenzene	50.000	44.953	10.1	112	0.00
88 T	1,4-Dichlorobenzene	50.000	45.419	9.2	113	0.00
89 T	n-Butylbenzene	50.000	49.452	1.1	118	0.00

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN052918\
 Data File : VN048693.D
 Acq On : 29 May 2018 13:43
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052918

Quant Time: May 30 07:11:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	42.039	15.9	111	0.00
91 T	1,2-Dichlorobenzene	50.000	43.951	12.1	110	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	43.196	13.6	108	0.00
93 T	1,2,4-Trichlorobenzene	50.000	46.939	6.1	122	0.00
94 T	Hexachlorobutadiene	50.000	49.061	1.9	128	0.00
95 T	Naphthalene	50.000	44.417	11.2	119	0.00
96 T	1,2,3-Trichlorobenzene	50.000	46.413	7.2	117	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG No.: J3131
 Instrument ID: MSVOA_N Calibration Date/Time: 05/30/2018 11:00
 Lab File ID: VN048733.D Init. Calib. Date(s): 05/29/2018 05/29/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:48 12:56
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.661	0.600		-9.23	20
Chloromethane	0.964	0.821	0.1	-14.83	20
Vinyl Chloride	0.791	0.797		0.76	20
Bromomethane	0.410	0.427		4.15	20
Chloroethane	0.448	0.469		4.69	20
Trichlorofluoromethane	1.066	1.076		0.94	20
1,1,2-Trichlorotrifluoroethane	0.684	0.705		3.07	20
1,1-Dichloroethene	0.652	0.648		-0.61	20
Acetone	0.204	0.200		-1.96	20
Carbon Disulfide	2.133	2.036		-4.55	20
Methyl tert-butyl Ether	1.784	1.818		1.91	20
Methyl Acetate	0.603	0.546		-9.45	20
Methylene Chloride	0.781	0.748		-4.22	20
trans-1,2-Dichloroethene	0.696	0.699		0.43	20
1,1-Dichloroethane	1.372	1.365	0.1	-0.51	20
Cyclohexane	1.419	1.287		-9.3	20
2-Butanone	0.277	0.282		1.8	20
Carbon Tetrachloride	0.706	0.706		0	20
cis-1,2-Dichloroethene	0.785	0.791		0.76	20
Bromochloromethane	0.534	0.658		23.22	20
Chloroform	1.319	1.327		0.61	20
1,1,1-Trichloroethane	1.149	1.151		0.17	20
Methylcyclohexane	0.751	0.817		8.79	20
Benzene	2.016	2.082		3.27	20
1,2-Dichloroethane	0.629	0.627		-0.32	20
Trichloroethene	0.519	0.552		6.36	20
1,2-Dichloropropane	0.549	0.566		3.1	20
Bromodichloromethane	0.689	0.698		1.31	20
4-Methyl-2-Pentanone	0.402	0.414		2.98	20
Toluene	1.190	1.251		5.13	20
t-1,3-Dichloropropene	0.692	0.729		5.35	20
cis-1,3-Dichloropropene	0.805	0.845		4.97	20
1,1,2-Trichloroethane	0.427	0.446		4.45	20
2-Hexanone	0.265	0.277		4.53	20
Dibromochloromethane	0.501	0.517		3.19	20
1,2-Dibromoethane	0.422	0.429		1.66	20
Tetrachloroethene	0.506	0.540		6.72	20
Chlorobenzene	1.464	1.512	0.3	3.28	20
Ethyl Benzene	2.535	2.720		7.3	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG No.: J3131
 Instrument ID: MSVOA_N Calibration Date/Time: 05/30/2018 11:00
 Lab File ID: VN048733.D Init. Calib. Date(s): 05/29/2018 05/29/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:48 12:56
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.956	1.033		8.05	20
o-Xylene	0.922	0.994		7.81	20
Styrene	1.449	1.601		10.49	20
Bromoform	0.356	0.369	0.1	3.65	20
Isopropylbenzene	4.471	4.660		4.23	20
1,1,2,2-Tetrachloroethane	1.101	1.048	0.3	-4.72	20
1,3-Dichlorobenzene	1.916	1.976		3.13	20
1,4-Dichlorobenzene	1.860	1.923		3.39	20
1,2-Dichlorobenzene	1.874	1.898		1.28	20
1,2-Dibromo-3-Chloropropane	0.163	0.167		2.45	20
1,2,4-Trichlorobenzene	0.830	0.960		15.66	20
1,2,3-Trichlorobenzene	0.852	0.936		9.86	20
1,2-Dichloroethane-d4	0.727	0.686		-5.64	20
Dibromofluoromethane	0.423	0.432		2.13	20
Toluene-d8	1.565	1.586		1.34	20
4-Bromofluorobenzene	0.540	0.546		1.11	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048733.D
 Acq On : 30 May 2018 11:00
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:06:59 PM

Quant Time: May 31 01:57:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	354054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	520373	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	469279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	269392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	242722	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	7.59	113	224769	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	10.09	98	825189	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.40	95	284099	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	212322	50.23	ug/l	98
3) Chloromethane	2.06	50	290770	48.88	ug/l	100
4) Vinyl Chloride	2.18	62	282178	50.41	ug/l	99
5) Bromomethane	2.56	94	151306	52.07	ug/l	95
6) Chloroethane	2.70	64	166124	52.38	ug/l	98
7) Trichlorofluoromethane	3.01	101	380807	50.44	ug/l	99
8) Diethyl Ether	3.41	74	143902	51.47	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	249770	51.59	ug/l	97
10) Methyl Iodide	3.95	142	342686	51.18	ug/l	99
11) Tert butyl alcohol	4.80	59	82976	233.35	ug/l	98
12) 1,1-Dichloroethene	3.73	96	229298	49.64	ug/l	96
13) Acrolein	3.61	56	119766	224.82	ug/l	100
14) Allyl chloride	4.32	41	425608	49.27	ug/l	98
15) Acrylonitrile	4.99	53	428347	256.30	ug/l	100
16) Acetone	3.82	43	354750	281.03	ug/l	99
17) Carbon Disulfide	4.05	76	720752	47.72	ug/l	99
18) Methyl Acetate	4.33	43	193437	51.46	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	643722	50.95	ug/l	98
20) Methylene Chloride	4.55	84	264753	47.88	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	247548	50.23	ug/l	98
22) Diisopropyl ether	5.95	45	838563	50.88	ug/l	97
23) Vinyl Acetate	5.90	43	2898162	258.69	ug/l	99
24) 1,1-Dichloroethane	5.85	63	483276	49.75	ug/l	100
25) 2-Butanone	6.84	43	499361	254.35	ug/l	99
26) 2,2-Dichloropropane	6.82	77	403287	49.86	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	279895	50.34	ug/l	97
28) Bromochloromethane	7.19	49	232833	52.82	ug/l	95
29) Tetrahydrofuran	7.21	42	325642	247.69	ug/l	97
30) Chloroform	7.37	83	469924	50.30	ug/l	97
31) Cyclohexane	7.65	56	455796	51.77	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	407543	50.09	ug/l	99
36) 1,1-Dichloropropene	7.79	75	372117	51.75	ug/l	98
37) Ethyl Acetate	6.93	43	225006	52.24	ug/l	98
38) Carbon Tetrachloride	7.77	117	367371	50.00	ug/l	98

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048733.D
 Acq On : 30 May 2018 11:00
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 5/31/2018 3:06:59 PM

Quant Time: May 31 01:57:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	425335	54.41	ug/l	99
40) Benzene	8.04	78	1083570	51.64	ug/l	98
41) Methacrylonitrile	7.17	41	118634	49.78	ug/l	97
42) 1,2-Dichloroethane	8.12	62	326483	49.85	ug/l	99
43) Isopropyl Acetate	8.17	43	405117	50.99	ug/l #	90
44) Trichloroethene	8.83	130	287117	53.17	ug/l	97
45) 1,2-Dichloropropane	9.12	63	294474	51.56	ug/l	98
46) Dibromomethane	9.21	93	164180	51.27	ug/l	95
47) Bromodichloromethane	9.40	83	363101	50.67	ug/l	99
48) Methyl methacrylate	9.20	41	193604	50.44	ug/l	98
49) 1,4-Dioxane	9.20	88	47357	999.56	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1077000	257.33	ug/l	100
52) Toluene	10.16	92	651242	52.59	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	379192	52.64	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	439773	52.49	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	231981	52.17	ug/l	96
56) Ethyl methacrylate	10.43	69	309813	49.81	ug/l	99
57) 1,3-Dichloropropane	10.71	76	401351	51.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	542463	234.13	ug/l	98
59) 2-Hexanone	10.75	43	720776	261.22	ug/l	99
60) Dibromochloromethane	10.90	129	269042	51.61	ug/l	100
61) 1,2-Dibromoethane	11.01	107	223297	50.87	ug/l	99
64) Tetrachloroethene	10.63	164	253475	53.35	ug/l	98
65) Chlorobenzene	11.44	112	709453	51.62	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	264682	51.16	ug/l	99
67) Ethyl Benzene	11.51	91	1276473	53.65	ug/l	99
68) m/p-Xylenes	11.63	106	969480	108.08	ug/l	100
69) o-Xylene	11.95	106	466331	53.90	ug/l	99
70) Styrene	11.97	104	751236	55.23	ug/l	99
71) Bromoform	12.13	173	173033	51.72	ug/l #	100
73) Isopropylbenzene	12.25	105	1255303	52.12	ug/l	99
74) N-amyl acetate	12.07	43	359335	50.66	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	282458	47.62	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	229014m	49.23	ug/l	
77) Bromobenzene	12.53	156	295441	50.44	ug/l	99
78) n-propylbenzene	12.59	91	1483548	53.63	ug/l	99
79) 2-Chlorotoluene	12.68	91	853433	51.44	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1034438	53.28	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	82843	49.17	ug/l	98
82) 4-Chlorotoluene	12.78	91	866960	52.61	ug/l	99
83) tert-Butylbenzene	13.00	119	887180	51.39	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1057512	54.22	ug/l	100
85) sec-Butylbenzene	13.17	105	1232253	53.81	ug/l	100
86) p-Isopropyltoluene	13.29	119	1067534	54.66	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	532347	51.56	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	517967	51.70	ug/l	99
89) n-Butylbenzene	13.62	91	924849	56.36	ug/l	98
90) Hexachloroethane	13.88	117	201322	48.11	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	511423	50.66	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45088	51.22	ug/l	88

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048733.D
 Acq On : 30 May 2018 11:00
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED
 MMDadoda
 5/31/2018 3:06:59 PM

Quant Time: May 31 01:57:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	258485	48.91	ug/l	100
94) Hexachlorobutadiene	15.01	225	159422	49.13	ug/l	100
95) Naphthalene	15.14	128	523602	45.56	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	252278	49.23	ug/l	99

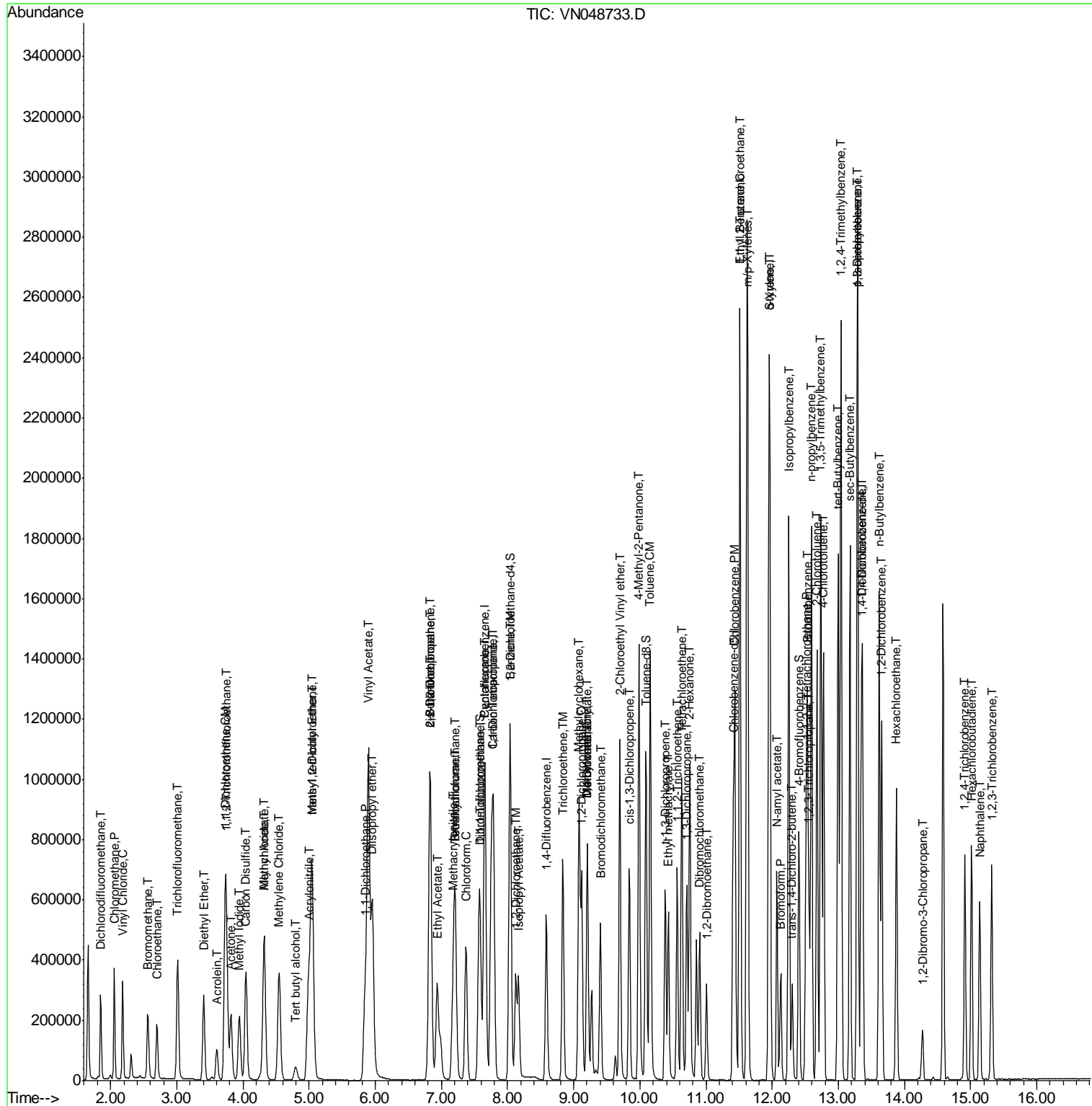
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048733.D
 Acq On : 30 May 2018 11:00
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

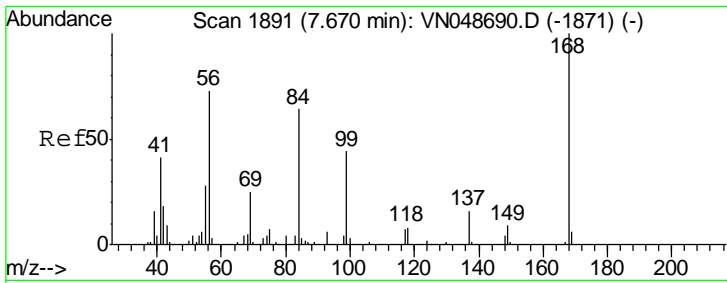
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC050

Manual Integrations
 APPROVED
 MMDadoda
 5/31/2018 3:06:59 PM

Quant Time: May 31 01:57:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



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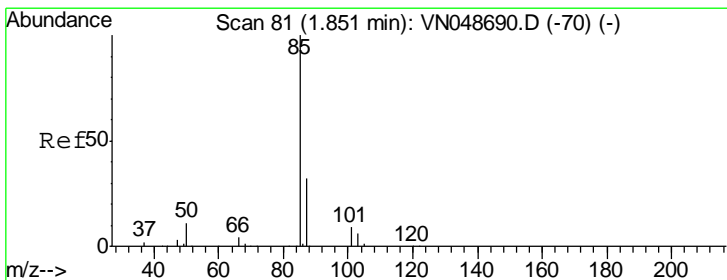
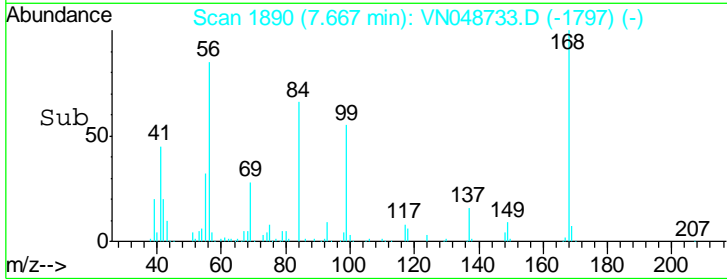
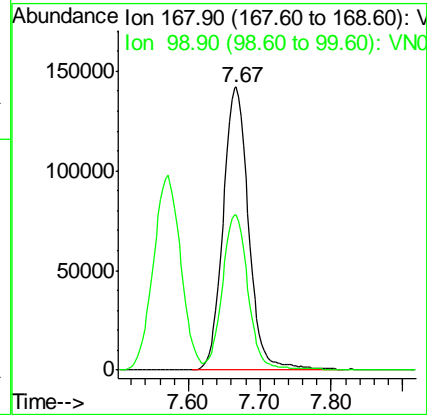
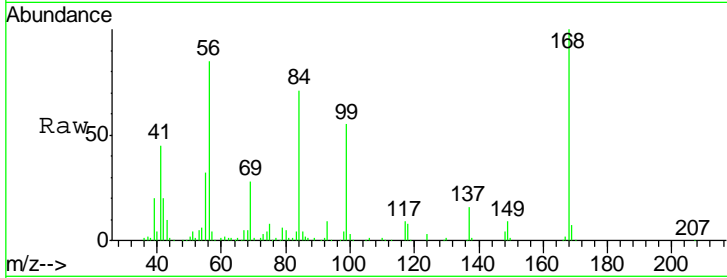


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
168	100		
99	54.4	40.8	61.2

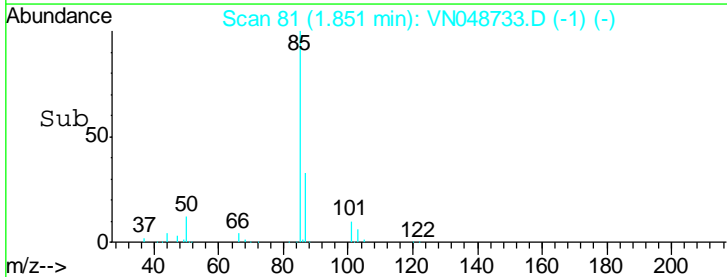
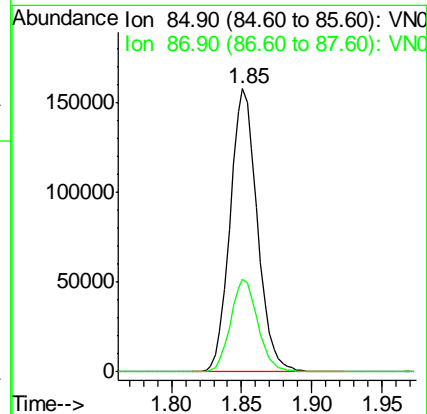
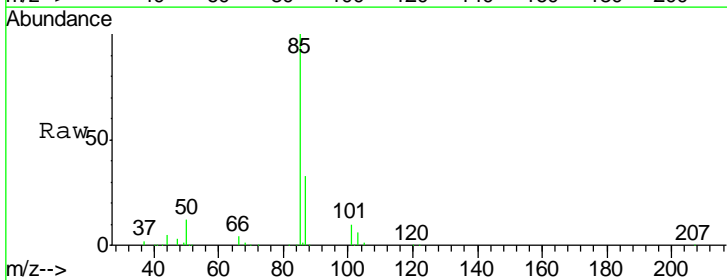
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

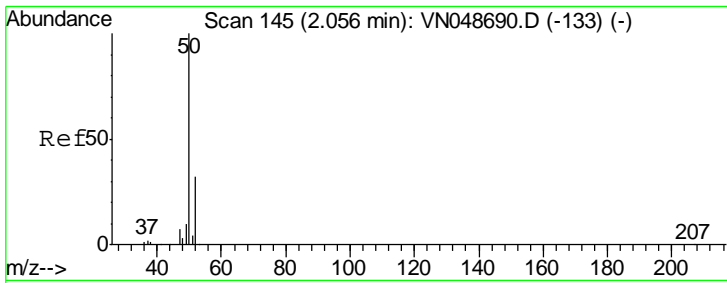
Manual Integrations APPROVED
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 5/31/2018 3:06:59 PM



#2
 Dichlorodifluoromethane
 Concen: 50.23 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.8	15.9	47.7



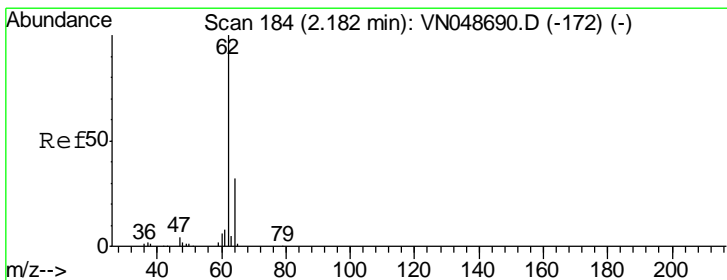
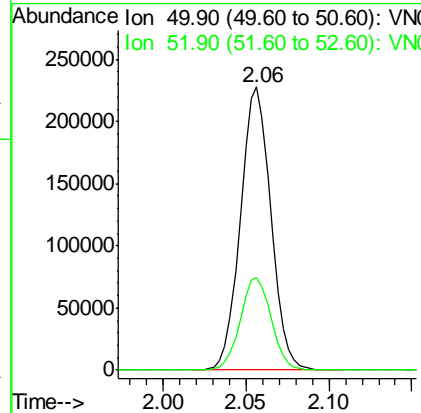
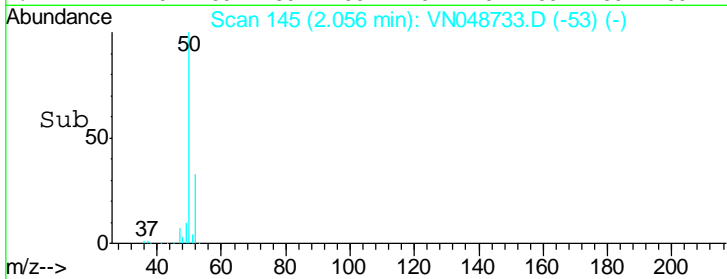
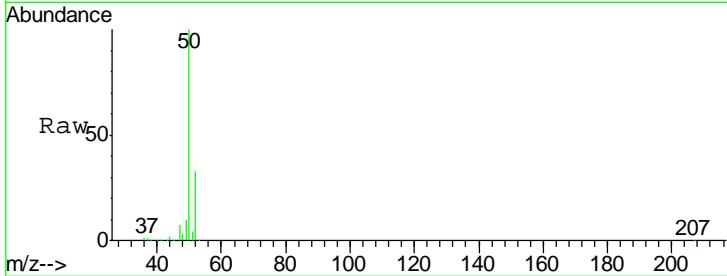


#3
 Chloromethane
 Concen: 48.88 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.8	26.0	39.0

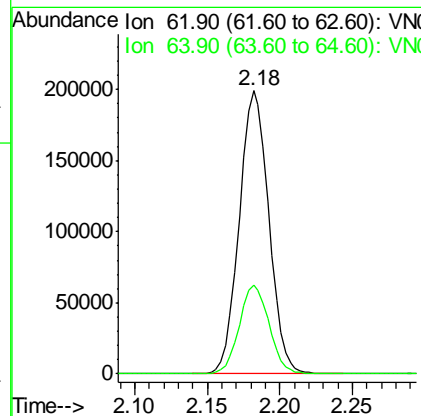
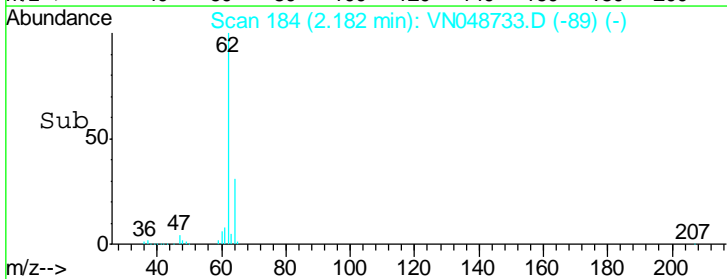
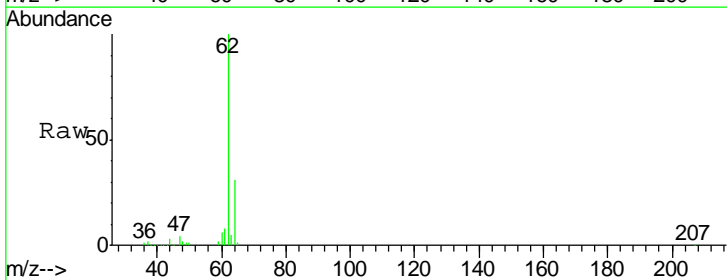
Instrument : MSVOA_N
 ClientSampled : VSTDC050

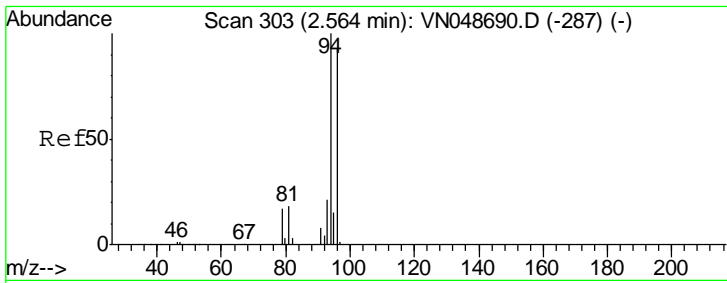
Manual Integrations
APPROVED
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 5/31/2018 3:06:59 PM



#4
 Vinyl Chloride
 Concen: 50.41 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.4	25.6	38.4



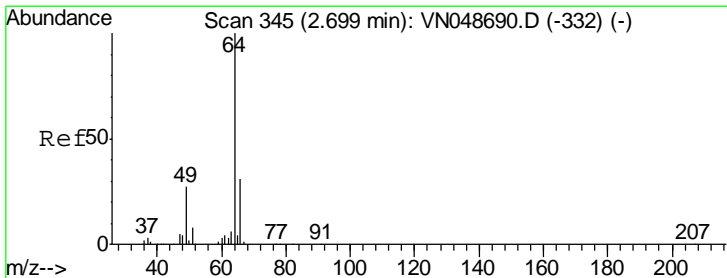
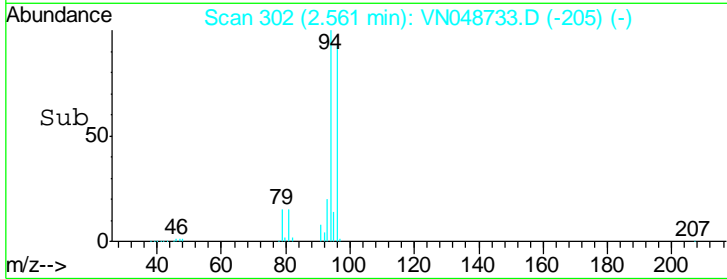
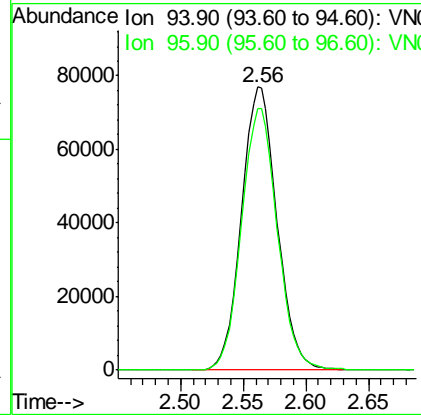
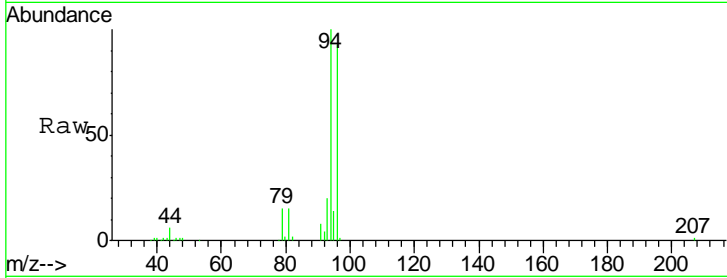


#5
 Bromomethane
 Concen: 52.07 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
94	151306		
96	92.3	78.0	117.0

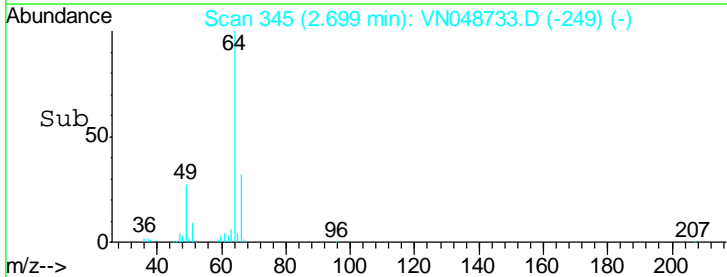
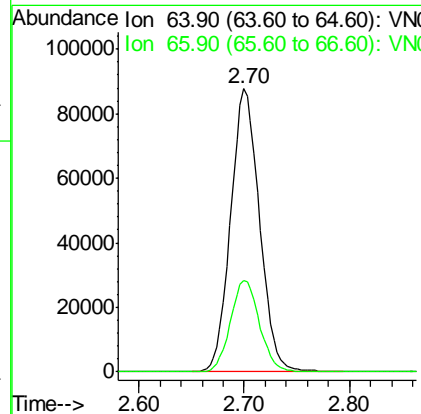
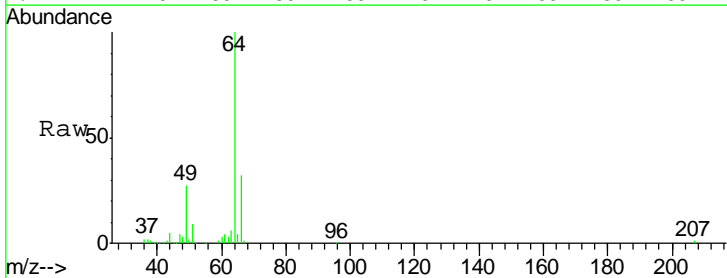
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

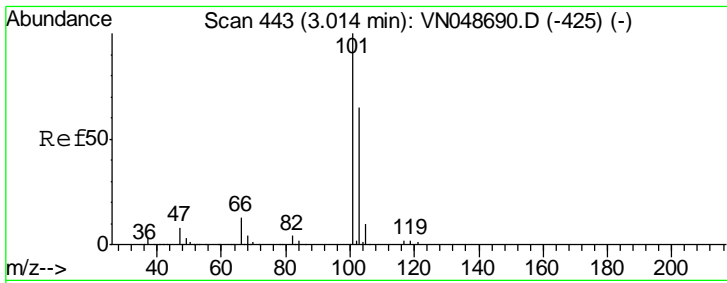
Manual Integrations
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 MMDadoda
 5/31/2018 3:06:59 PM



#6
 Chloroethane
 Concen: 52.38 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
64	166124		
66	32.3	24.8	37.2



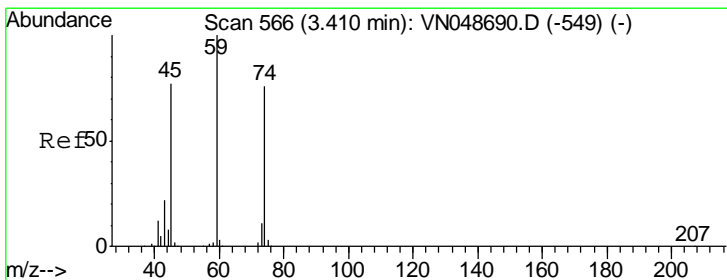
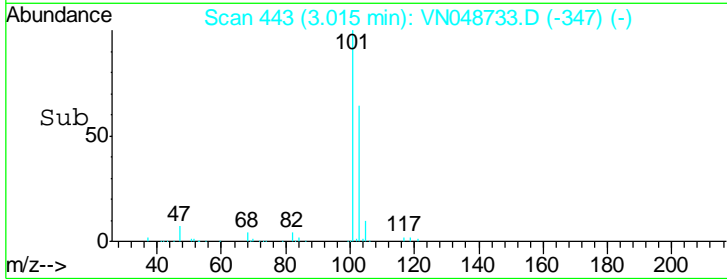
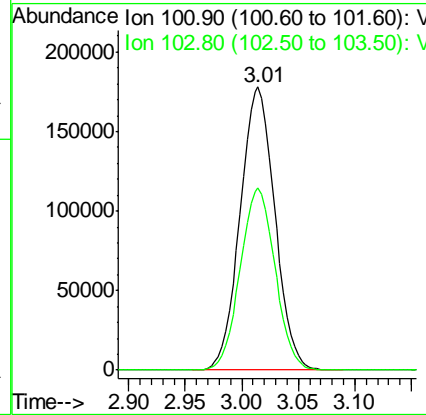
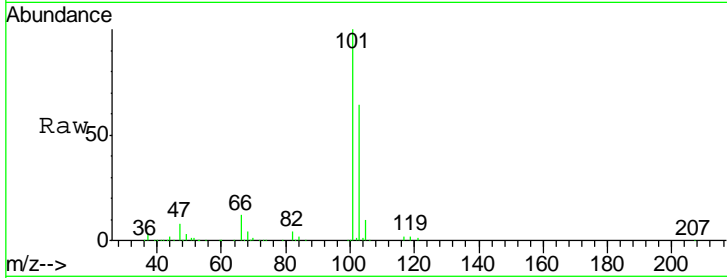


#7
 Trichlorofluoromethane
 Concen: 50.44 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
101	380807		
103	64.4	50.8	76.2

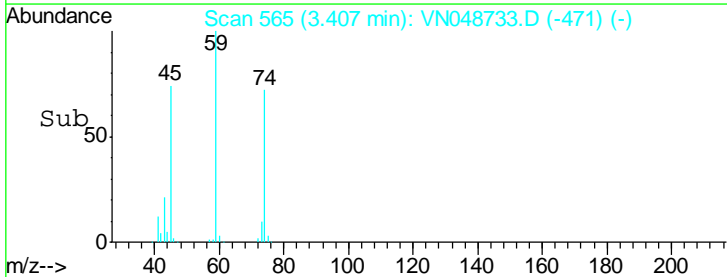
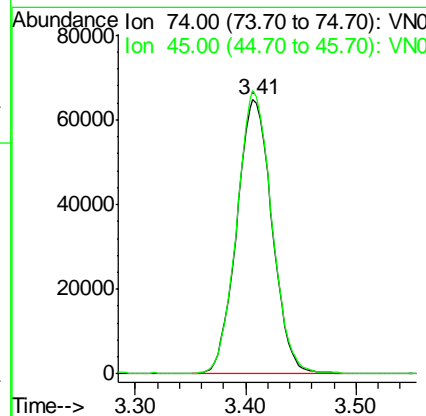
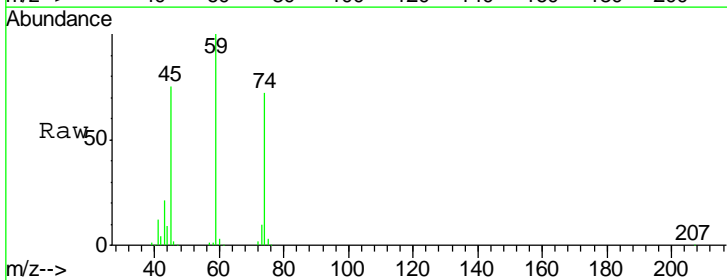
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

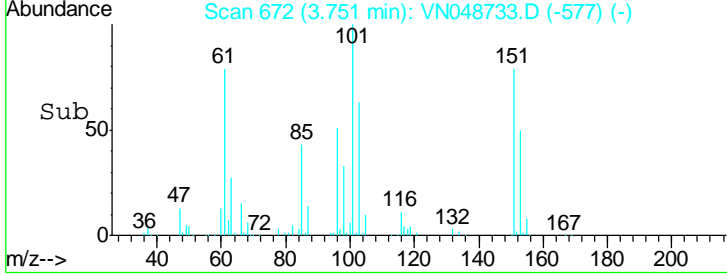
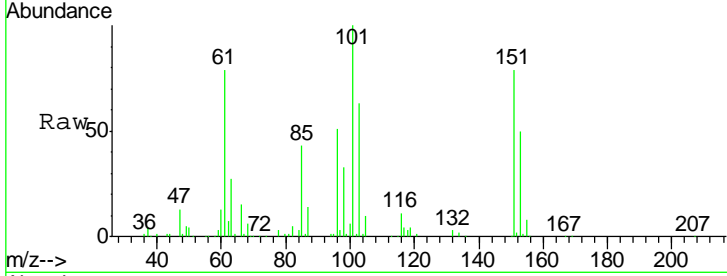
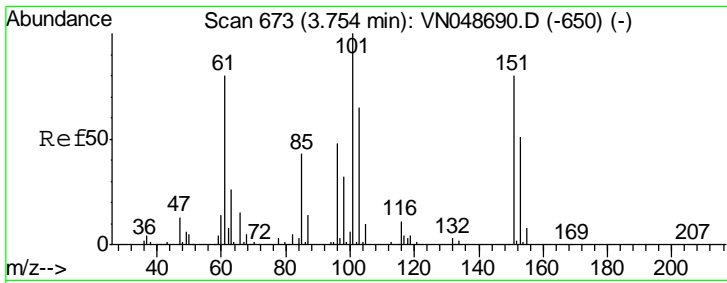
Manual Integrations
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 5/31/2018 3:06:59 PM



#8
 Diethyl Ether
 Concen: 51.47 ug/l
 RT: 3.41 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
74	143902		
45	102.0	50.0	150.0



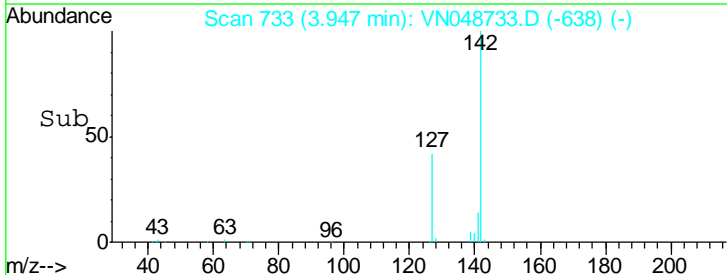
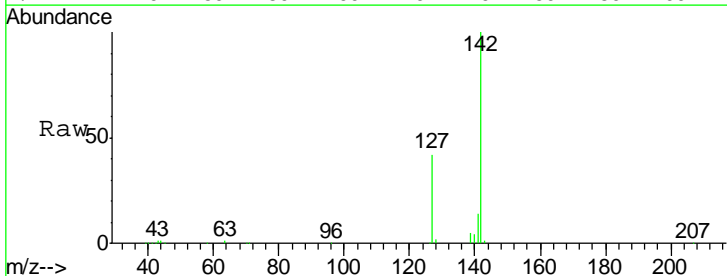
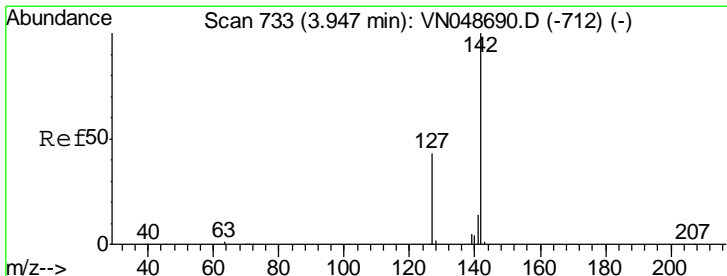
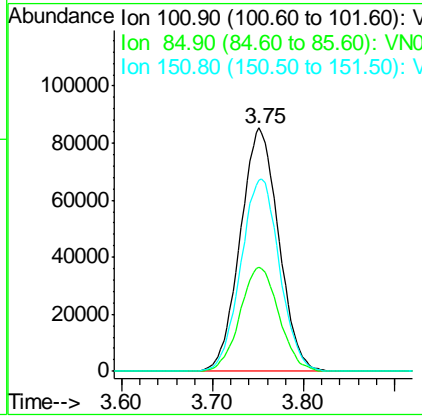


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.59 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. 0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
101	249770		
101	100		
85	43.3	33.3	49.9
151	79.9	66.5	99.7

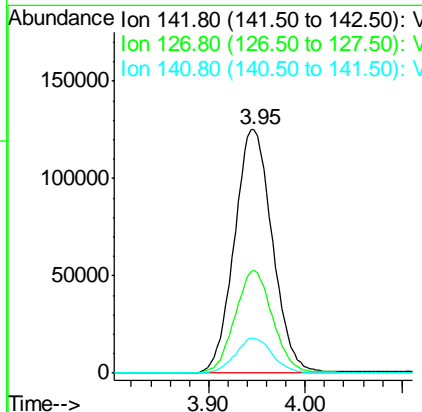
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

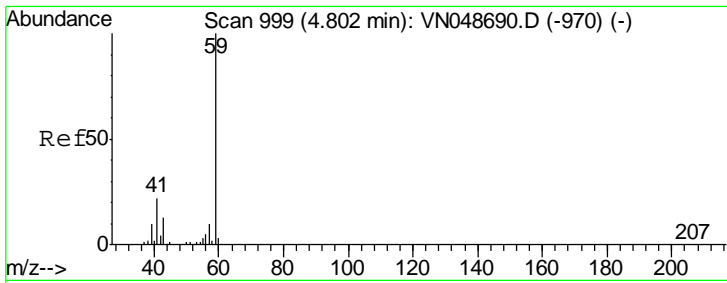
Manual Integrations
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 MMDadoda
 5/31/2018 3:06:59 PM



#10
 Methyl Iodide
 Concen: 51.18 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
142	342686		
142	100		
127	41.6	32.5	48.7
141	14.0	11.3	16.9



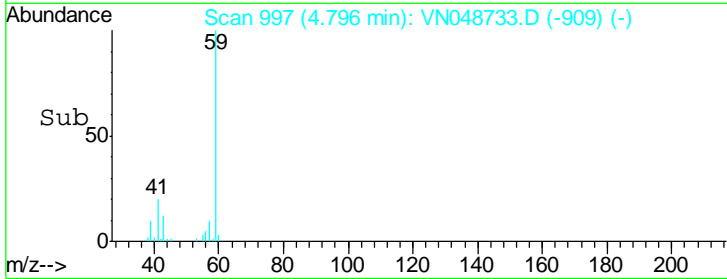
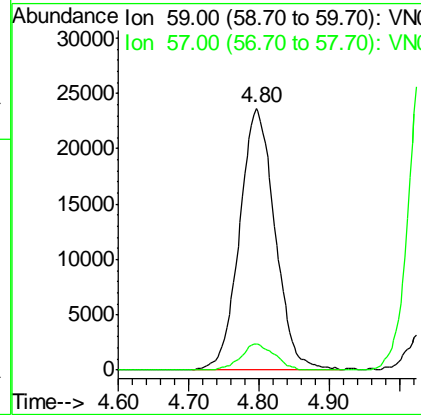
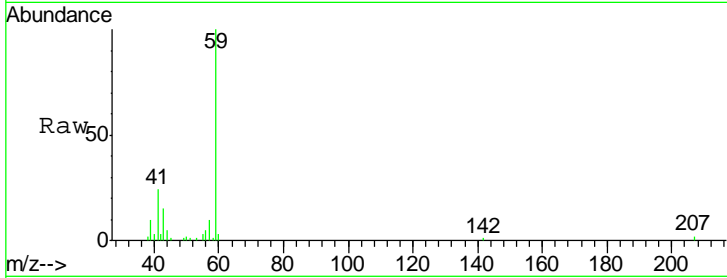


#11
 Tert butyl alcohol
 Concen: 233.35 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.02 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.5	8.1	12.1

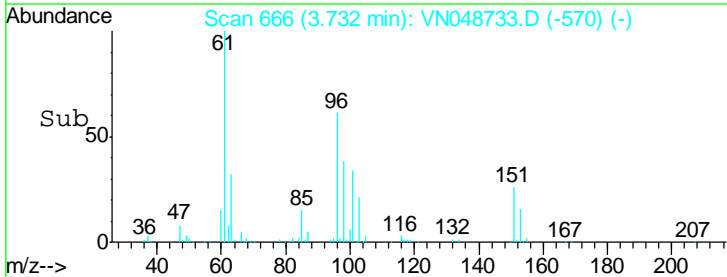
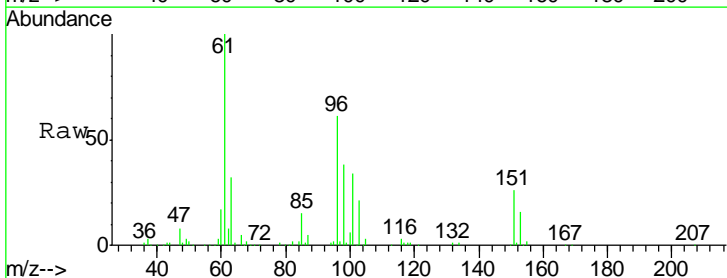
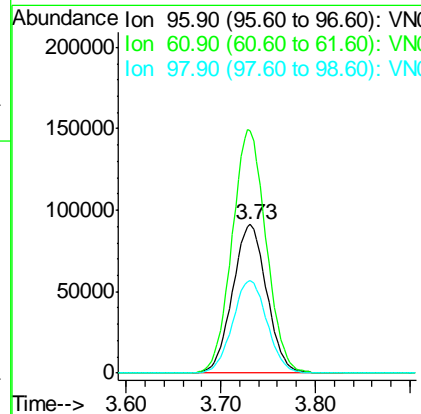
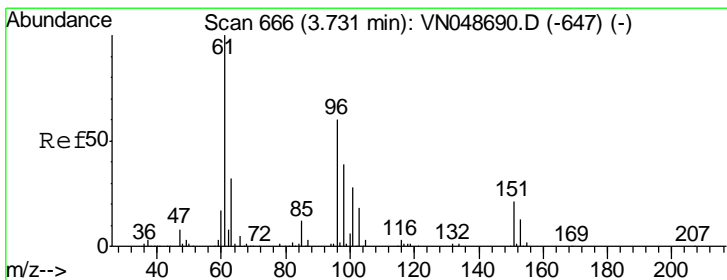
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

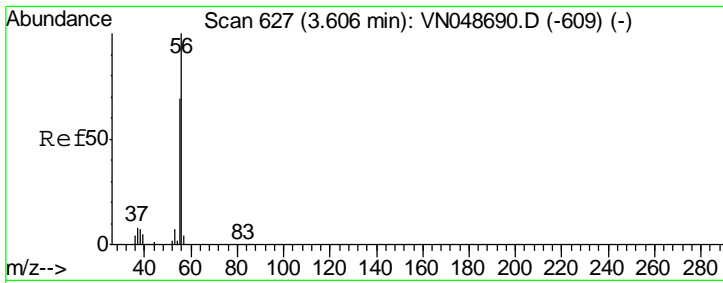
Manual Integrations
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 5/31/2018 3:06:59 PM



#12
 1,1-Dichloroethene
 Concen: 49.64 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
96	100		
61	163.2	125.6	188.4
98	62.5	51.0	76.4



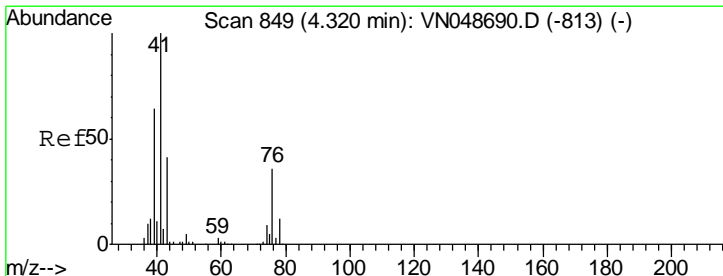
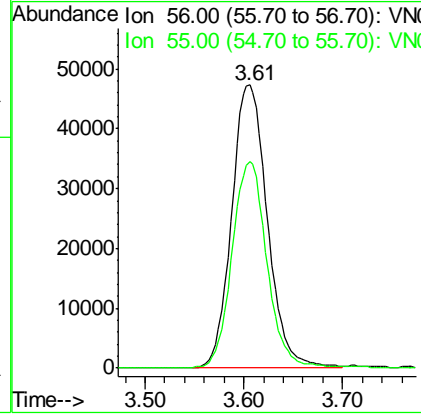
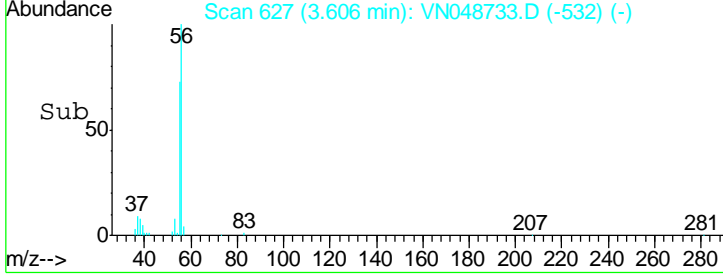
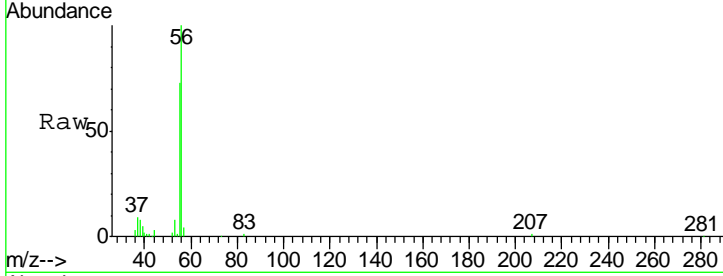


#13
 Acrolein
 Concen: 224.82 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
56	119766		
55	71.1	57.1	85.7

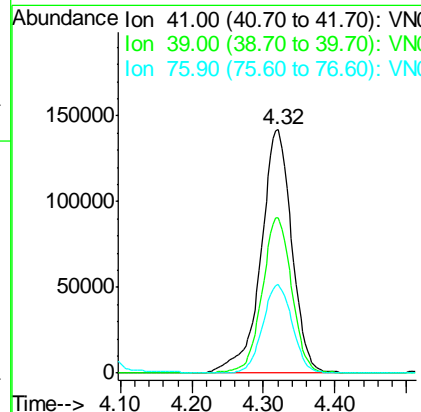
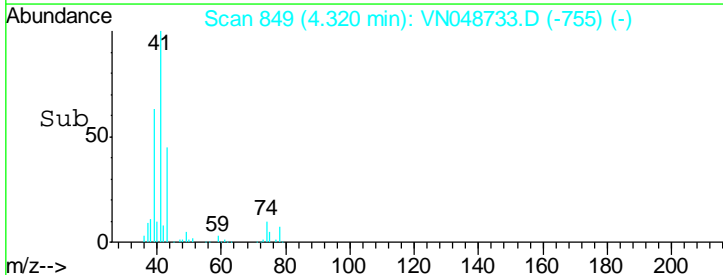
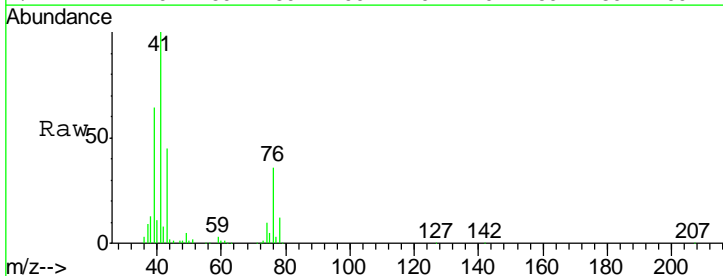
Instrument : MSVOA_N
 ClientSampled : VSTDC050

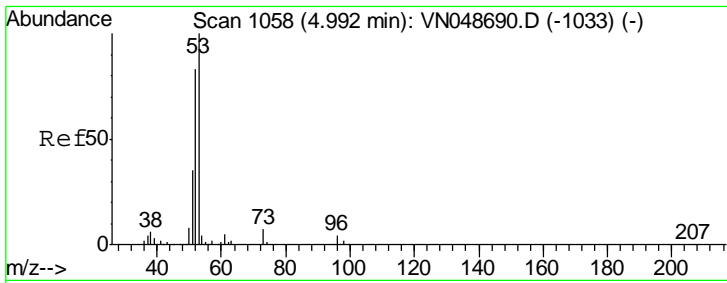
Manual Integrations APPROVED
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 5/31/2018 3:06:59 PM



#14
 Allyl chloride
 Concen: 49.27 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
41	425608		
39	61.3	51.1	76.7
76	34.8	28.2	42.2





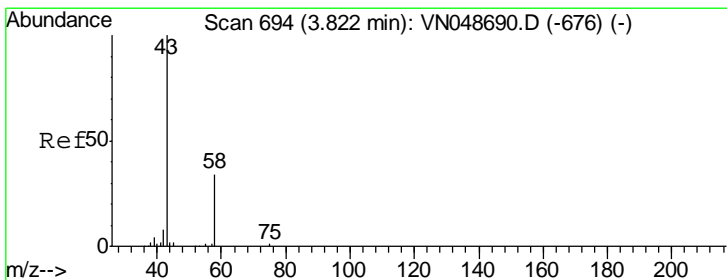
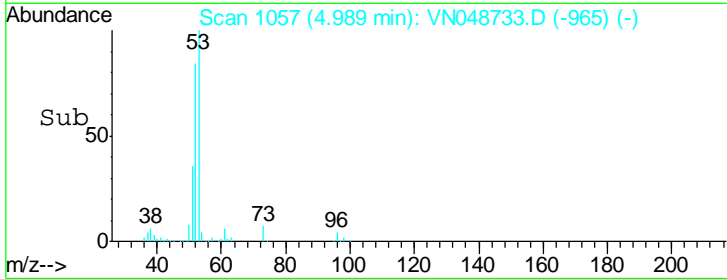
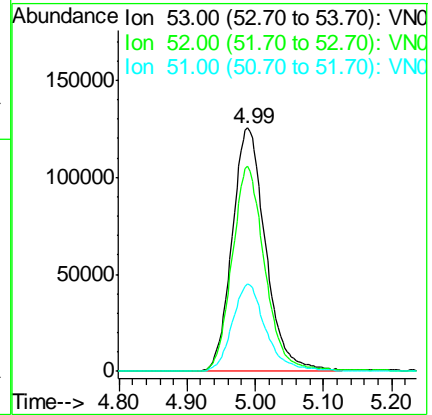
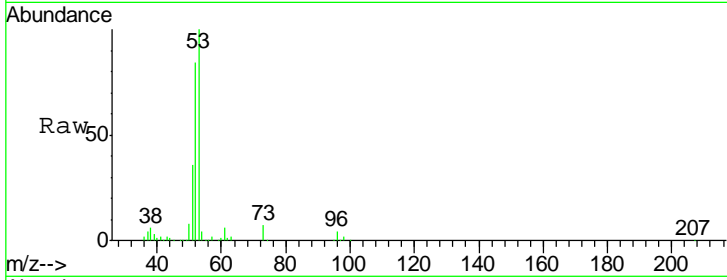
#15
 Acrylonitrile
 Concen: 256.30 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.0	65.5	98.3
51	35.8	28.8	43.2

Manual Integrations
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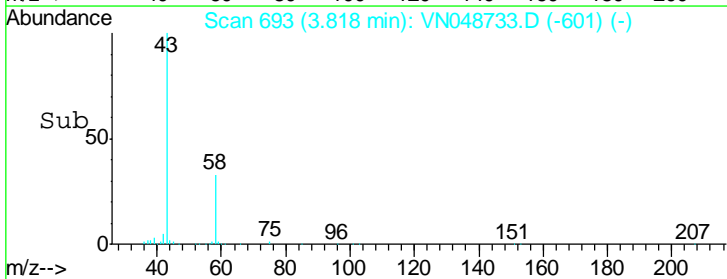
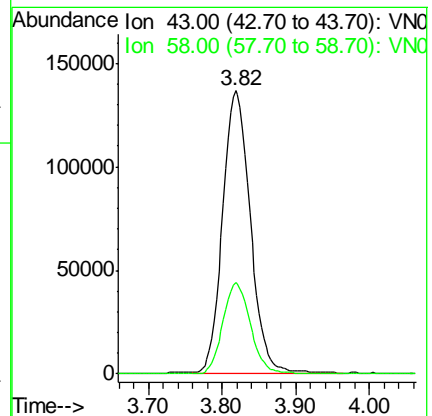
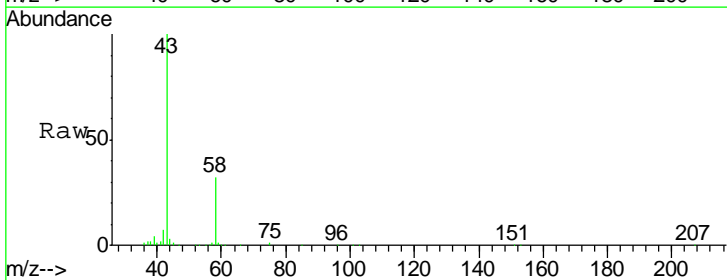
MMDadoda
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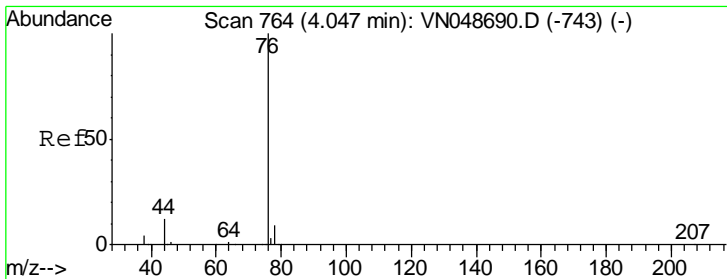


#16
 Acetone
 Concen: 281.03 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

16

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.5	25.4	38.0



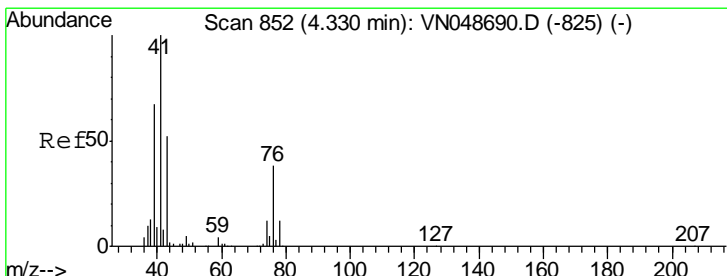
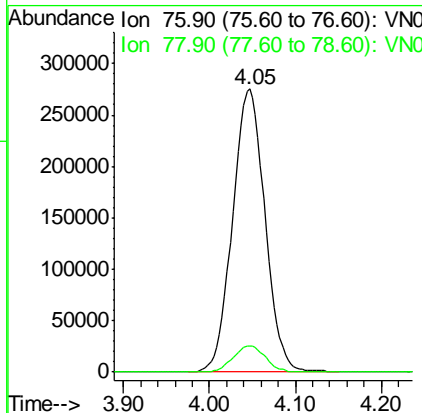
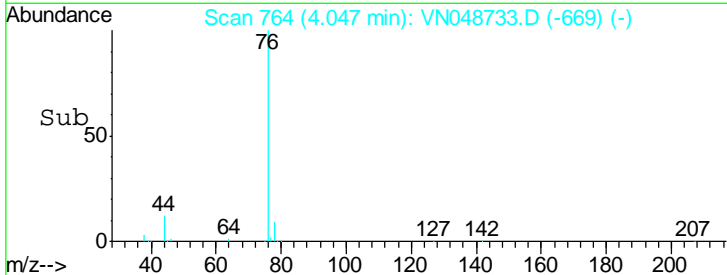
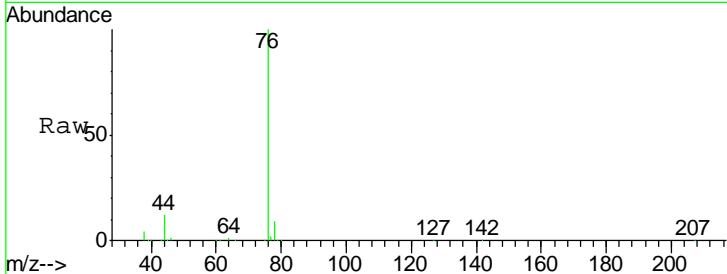


#17
 Carbon Disulfide
 Concen: 47.72 ug/l
 RT: 4.05 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.3	7.2	10.8

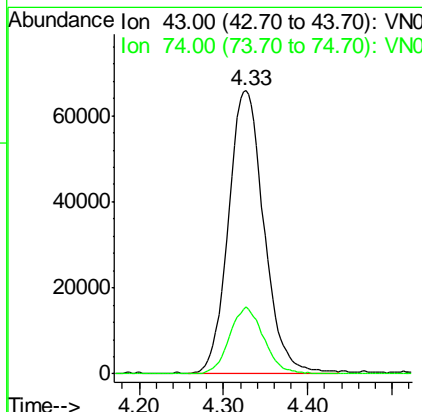
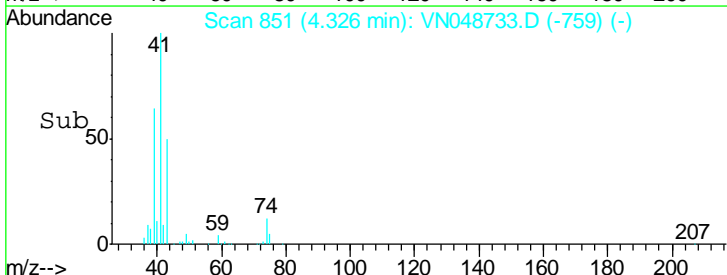
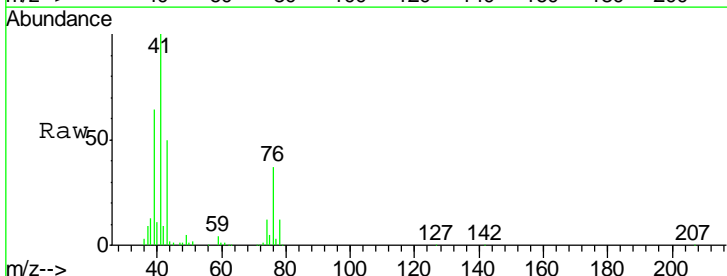
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

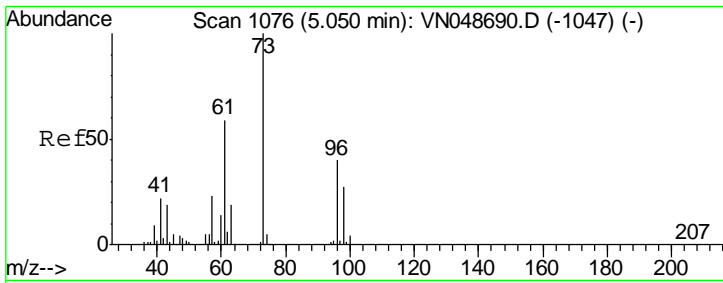
Manual Integrations APPROVED
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 5/31/2018 3:06:59 PM



#18
 Methyl Acetate
 Concen: 51.46 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
43	100		
74	22.6	18.4	27.6



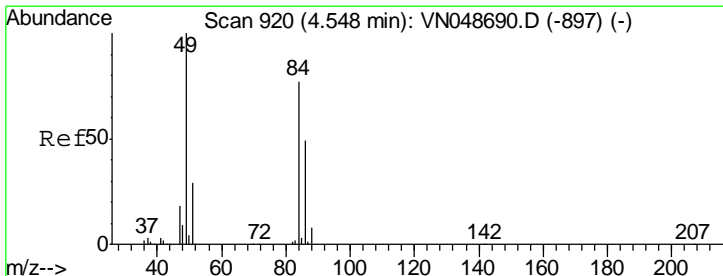
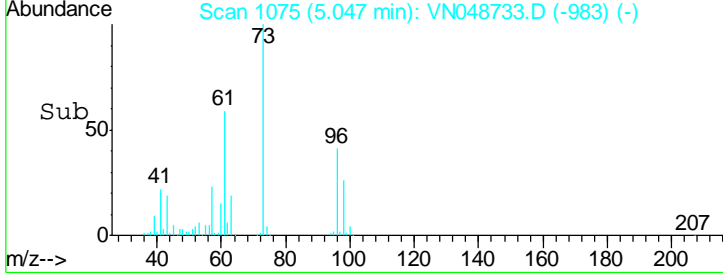
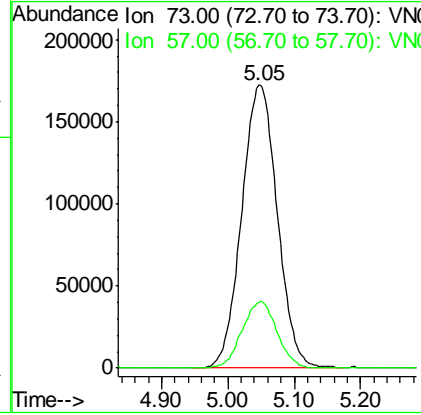
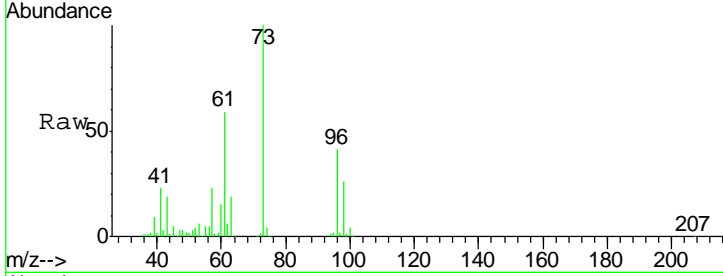


#19
 Methyl tert-butyl Ether
 Concen: 50.95 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

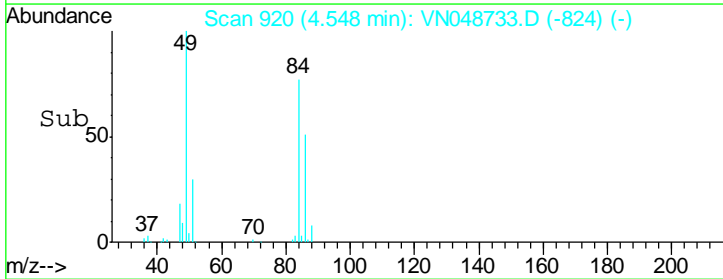
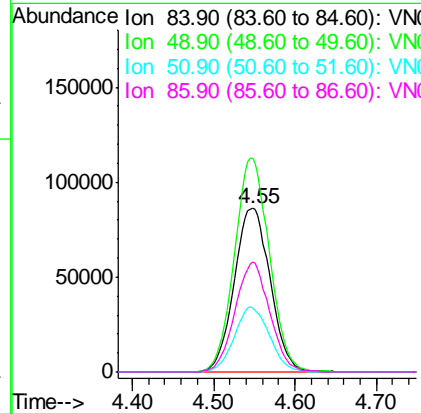
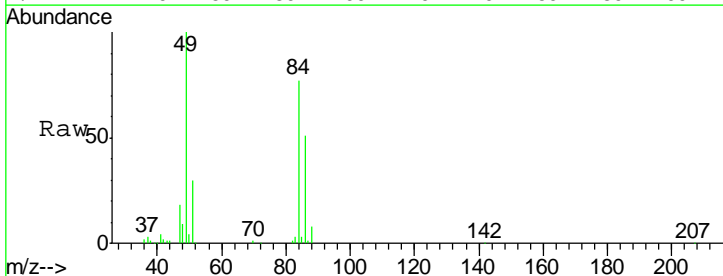
Tgt Ion	Resp	Lower	Upper
73	100		
57	23.4	18.0	27.0

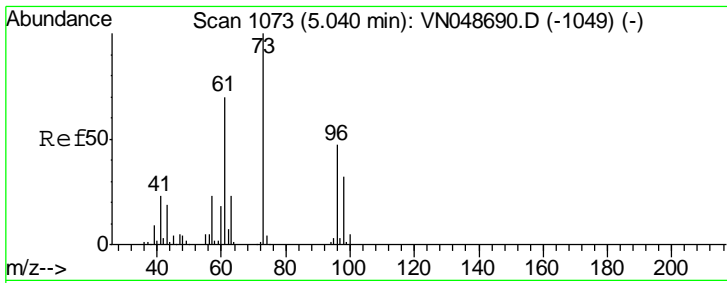
Manual Integrations
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 5/31/2018 3:06:59 PM



#20
 Methylene Chloride
 Concen: 47.88 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

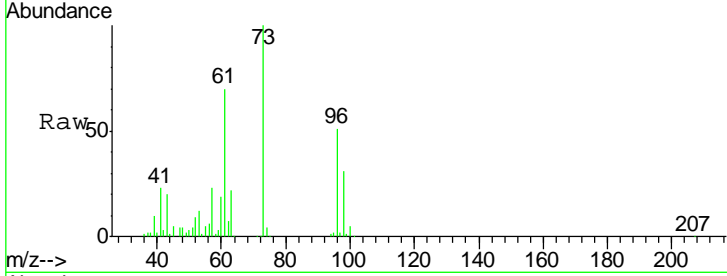
Tgt Ion	Resp	Lower	Upper
84	100		
49	130.5	97.7	146.5
51	39.1	30.4	45.6
86	67.2	51.8	77.8





#21
 trans-1,2-Dichloroethene
 Concen: 50.23 ug/l
 RT: 5.04 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

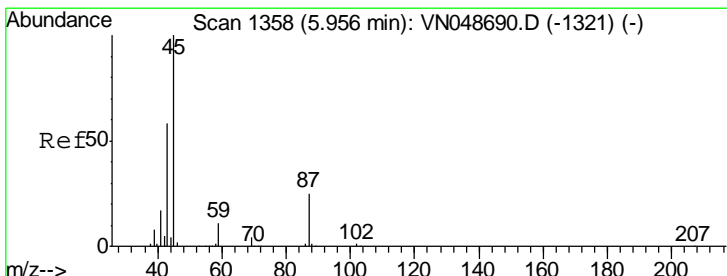
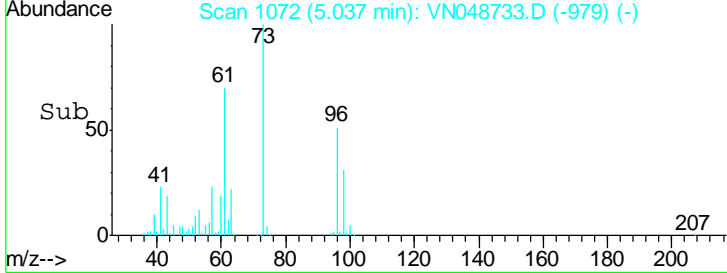
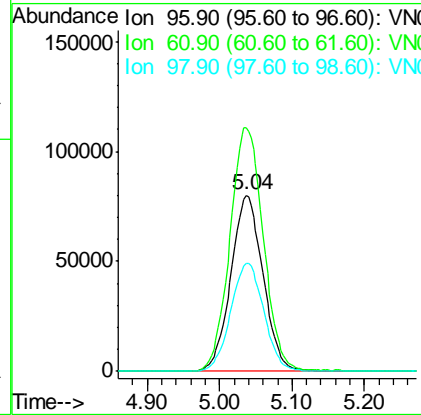
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050



Tgt Ion: 96 Resp: 247548

Ion	Ratio	Lower	Upper
96	100		
61	138.0	112.2	168.2
98	61.4	50.5	75.7

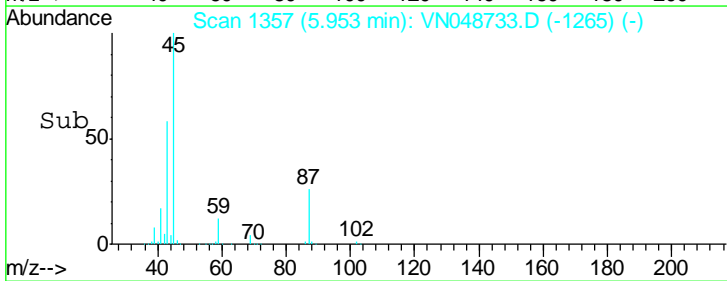
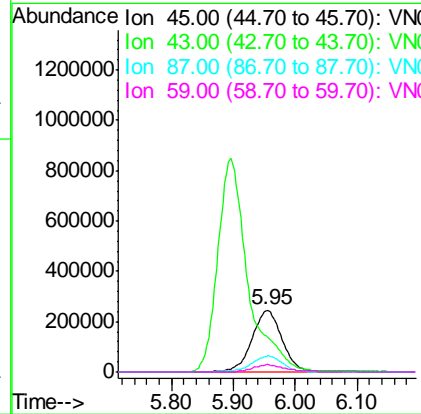
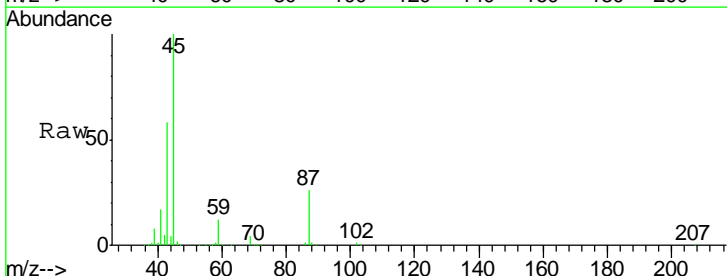
Manual Integrations
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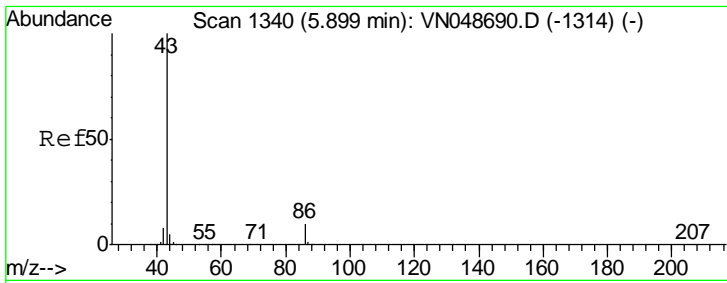


#22
 Diisopropyl ether
 Concen: 50.88 ug/l
 RT: 5.95 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion: 45 Resp: 838563

Ion	Ratio	Lower	Upper
45	100		
43	56.6	43.8	65.8
87	25.3	21.8	32.6
59	11.5	9.2	13.8





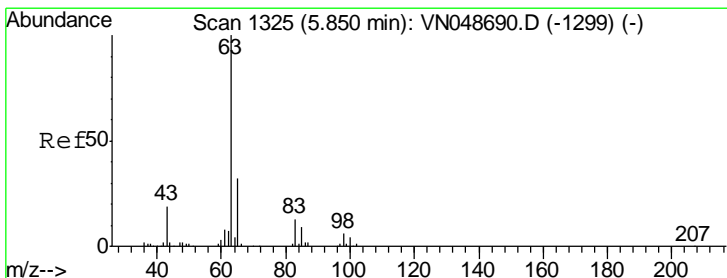
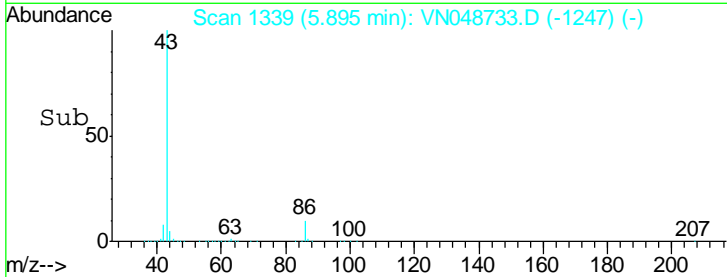
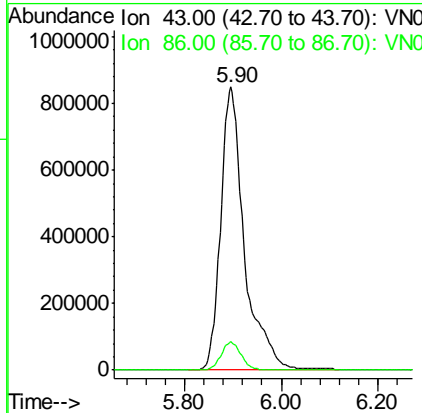
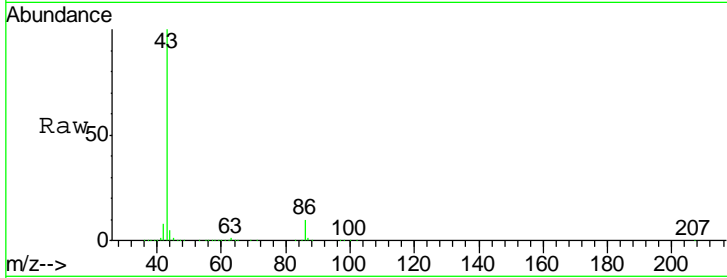
#23
 Vinyl Acetate
 Concen: 258.69 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion: 43 Resp: 2898162

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.2	12.2

Manual Integrations
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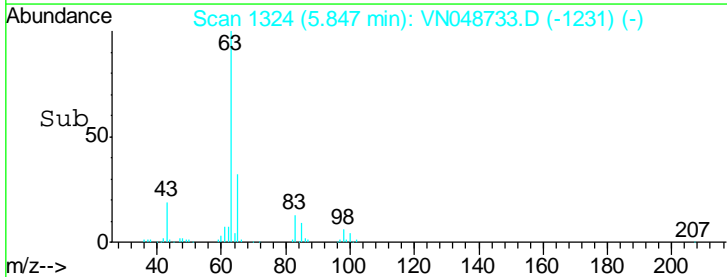
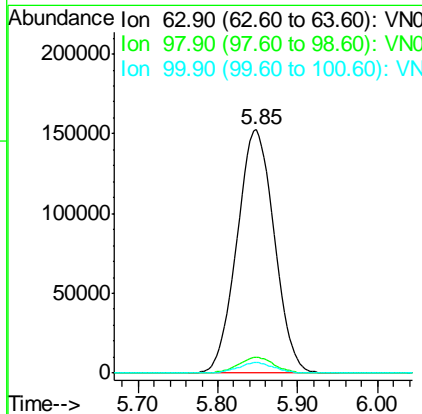
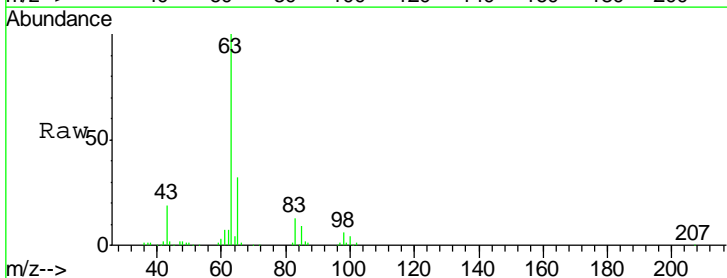


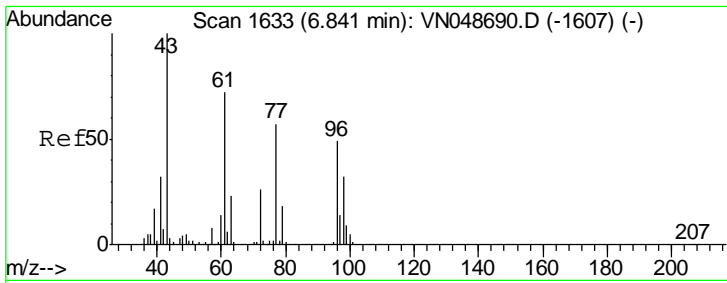
#24
 1,1-Dichloroethane
 Concen: 49.75 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion: 63 Resp: 483276

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	4.5	2.1	6.3





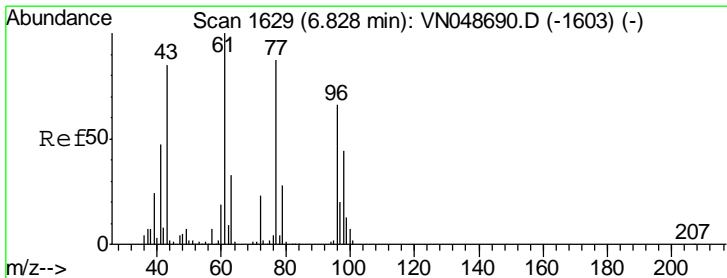
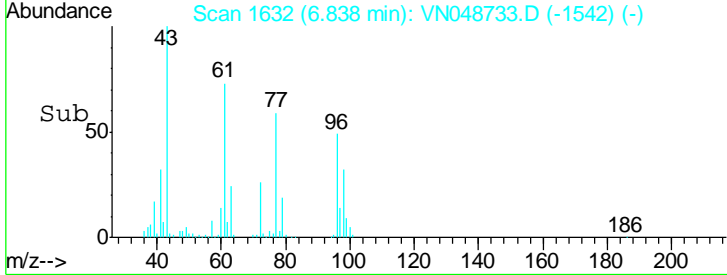
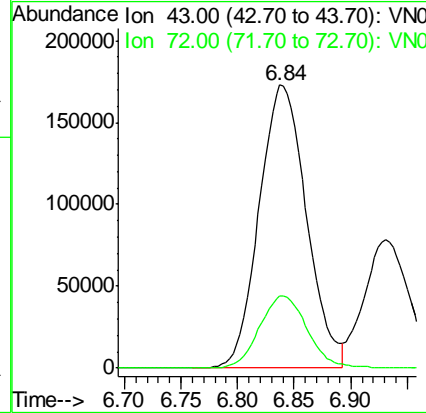
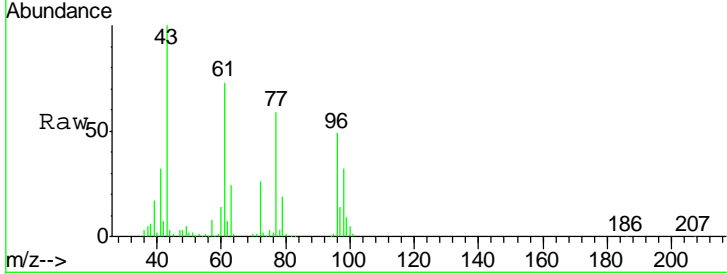
#25
 2-Butanone
 Concen: 254.35 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.6	20.8	31.2

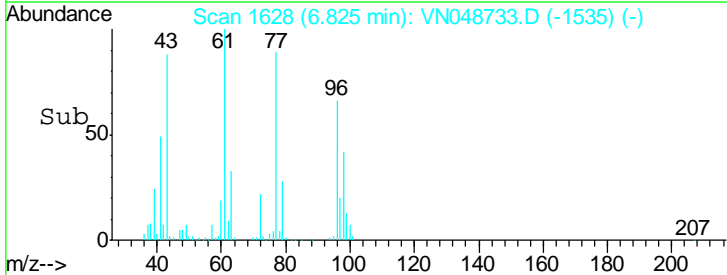
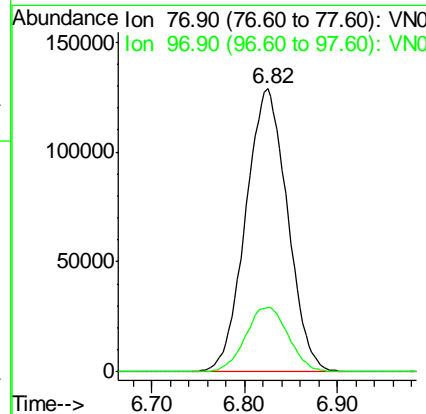
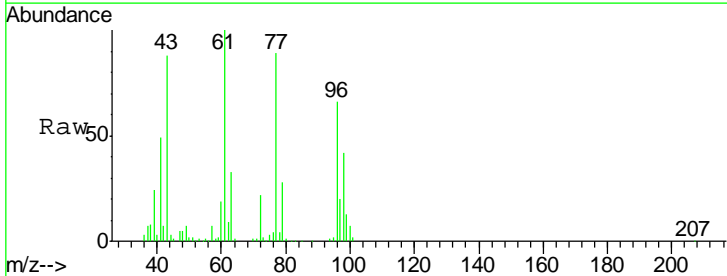
Manual Integrations
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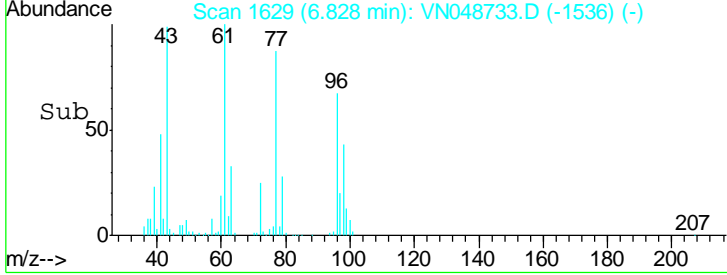
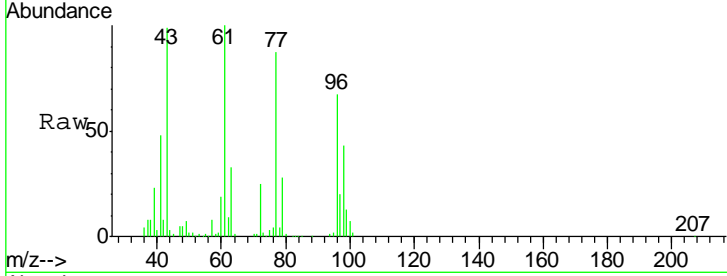
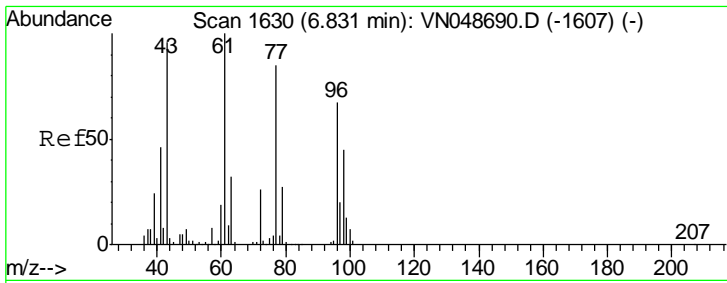
MMDadoda
 5/31/2018 3:06:59 PM



#26
 2,2-Dichloropropane
 Concen: 49.86 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.4	11.9	35.5



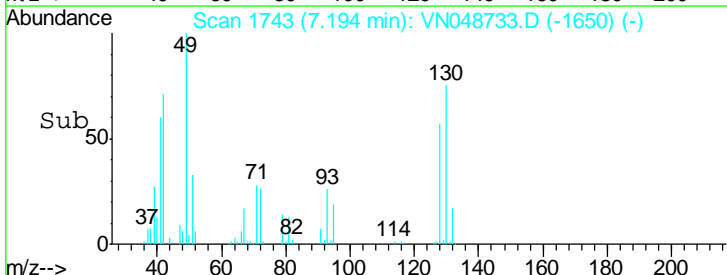
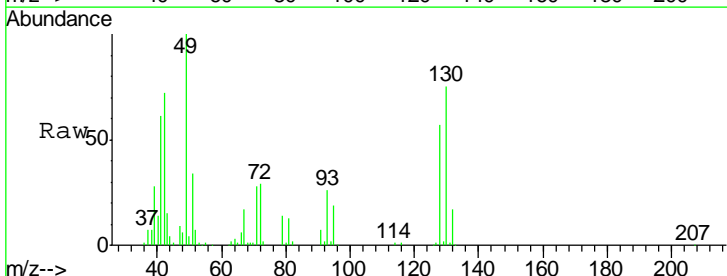
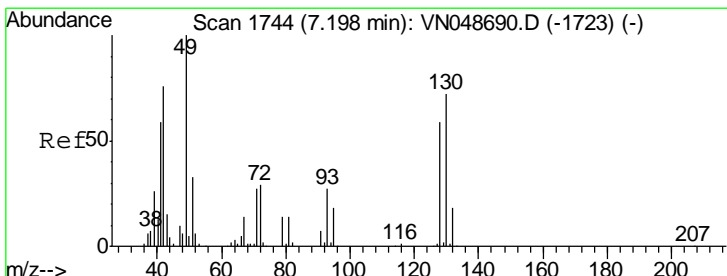
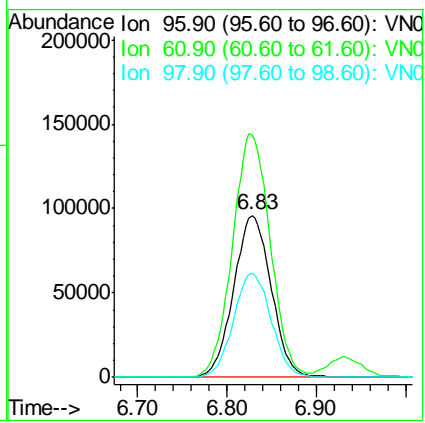


#27
 cis-1,2-Dichloroethene
 Concen: 50.34 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
96	279895		
96	100		
61	151.3	0.0	292.6
98	64.6	0.0	128.2

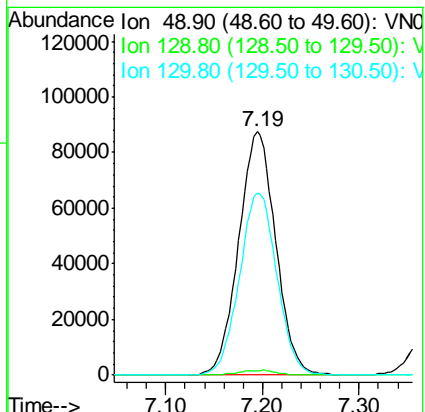
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

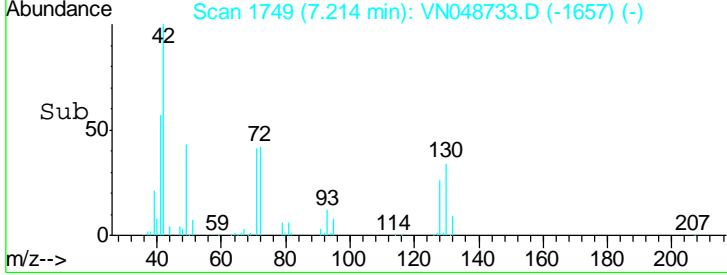
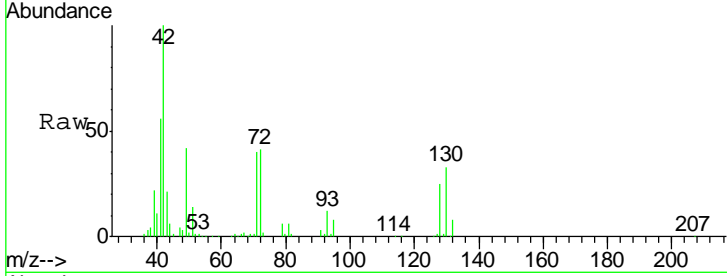
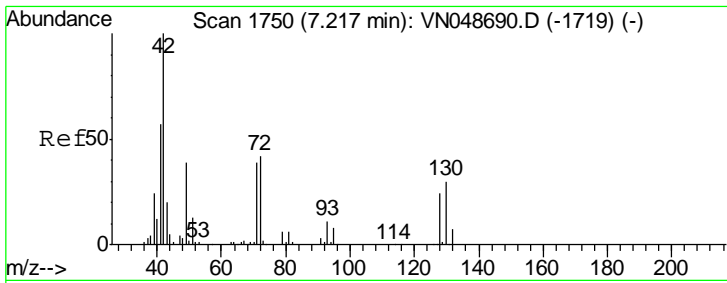
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:06:59 PM



#28
 Bromochloromethane
 Concen: 52.82 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
49	232833		
49	100		
129	2.0	0.0	3.8
130	75.9	64.2	96.2



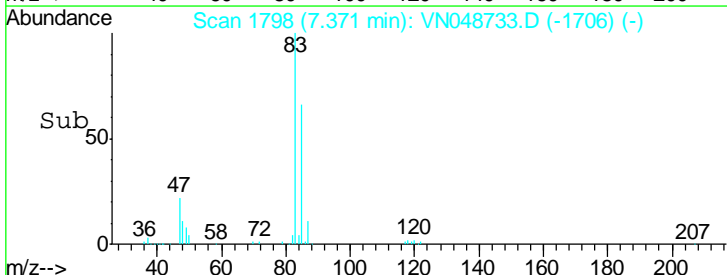
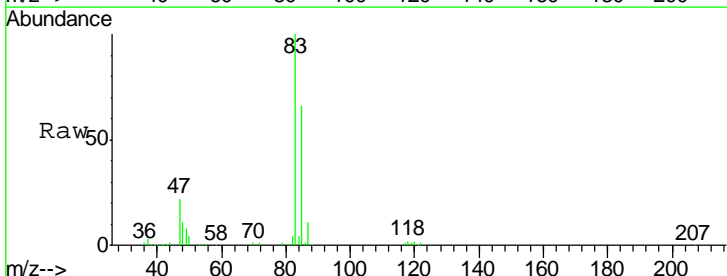
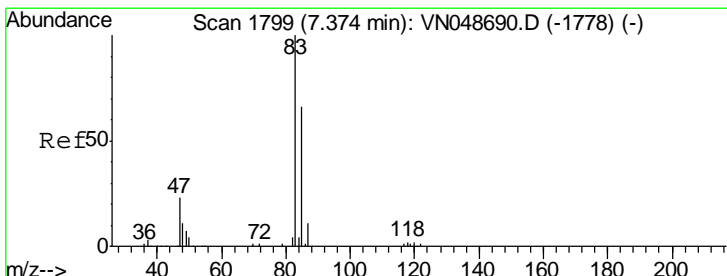
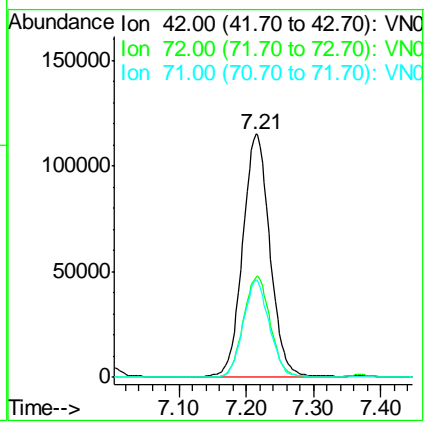


#29
 Tetrahydrofuran
 Concen: 247.69 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
42	100		
72	41.1	34.2	51.4
71	38.3	31.8	47.8

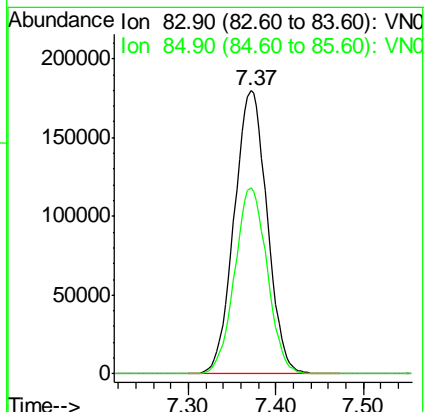
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

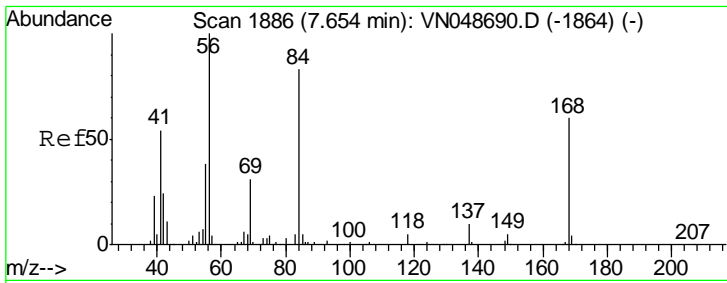
Manual Integrations
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 MMDadoda
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#30
 Chloroform
 Concen: 50.30 ug/l
 RT: 7.37 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.9	51.1	76.7



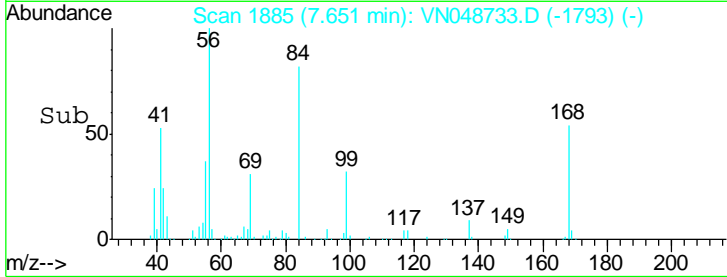
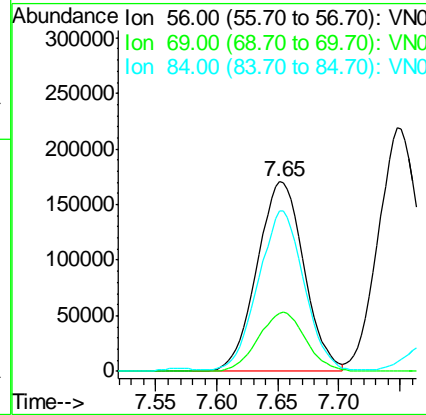
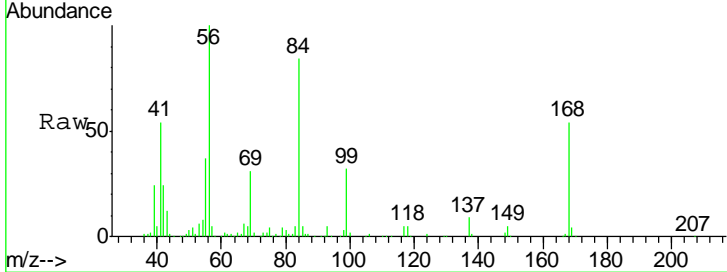


#31
 Cyclohexane
 Concen: 51.77 ug/l
 RT: 7.65 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

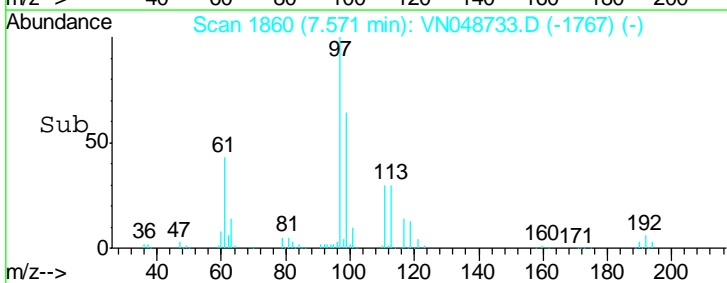
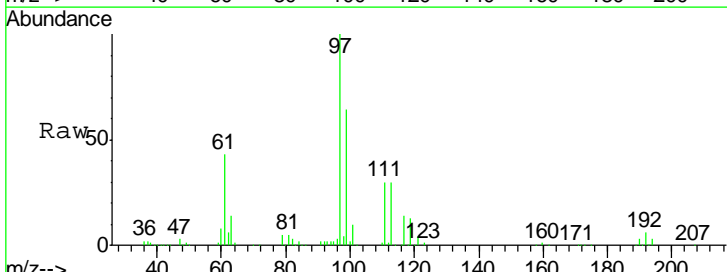
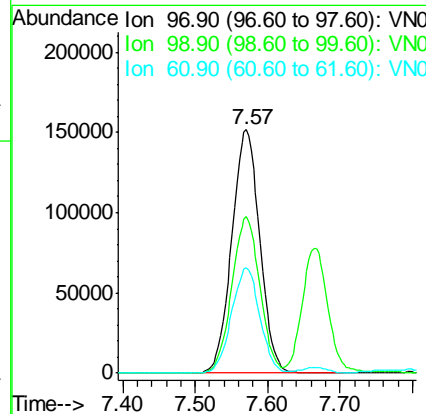
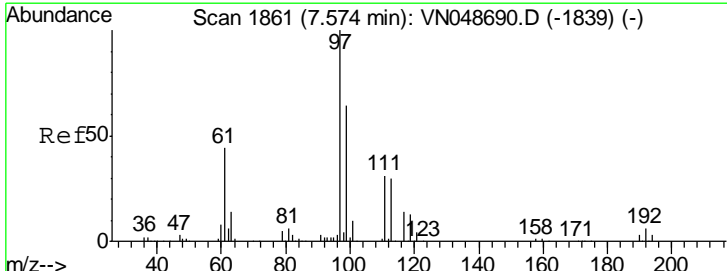
Tgt Ion	Resp	Lower	Upper
56	455796		
56	100		
69	30.8	25.6	38.4
84	83.1	67.5	101.3

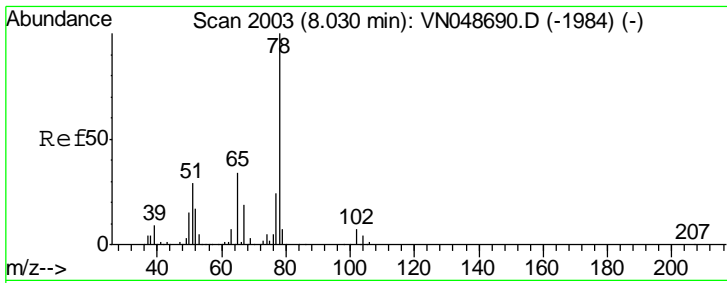
Manual Integrations
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#32
 1,1,1-Trichloroethane
 Concen: 50.09 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
97	407543		
97	100		
99	64.2	51.4	77.2
61	43.7	34.2	51.2



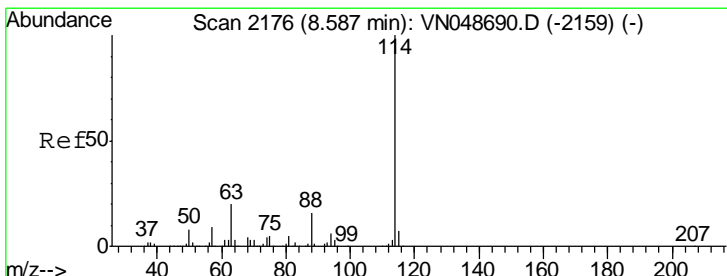
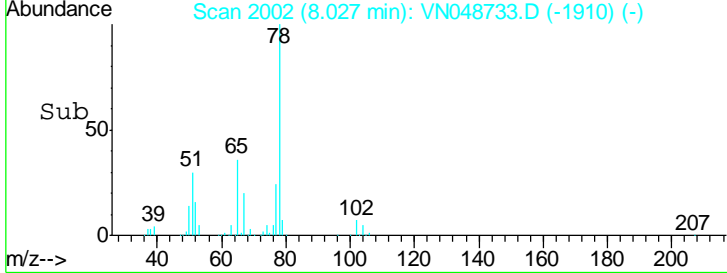
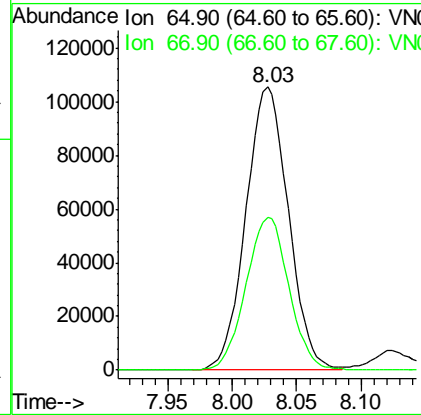
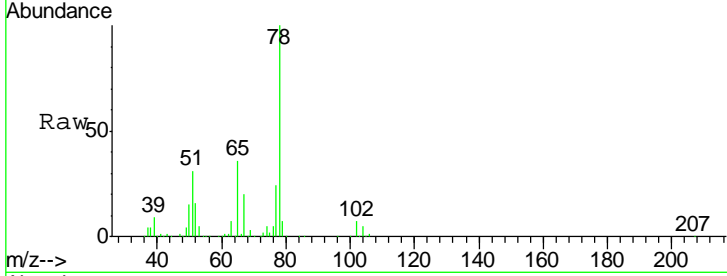


#33
 1,2-Dichloroethane-d4
 Concen: 47.17 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

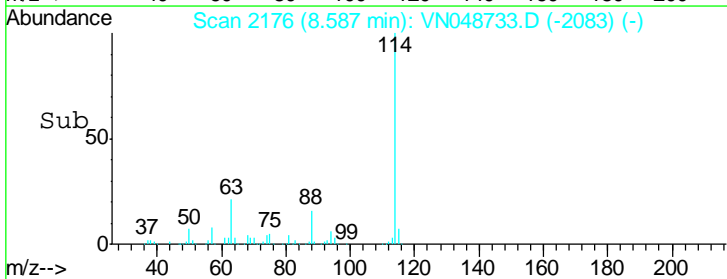
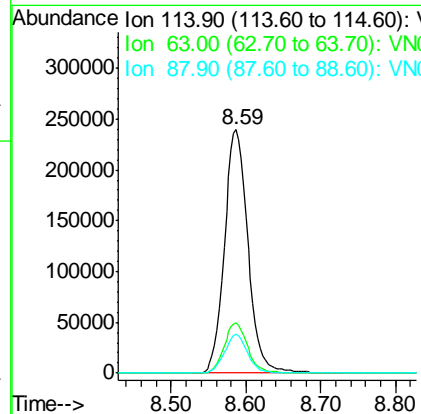
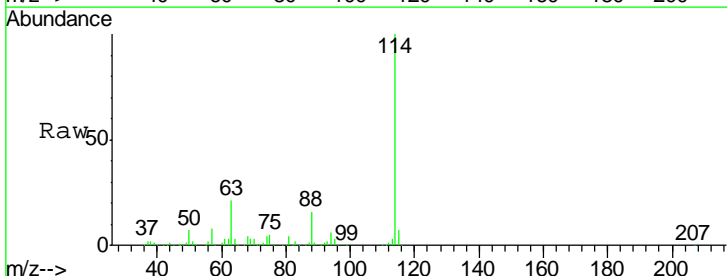
Tgt Ion	Resp	Lower	Upper
65	242722		
65	100		
67	54.7	0.0	108.4

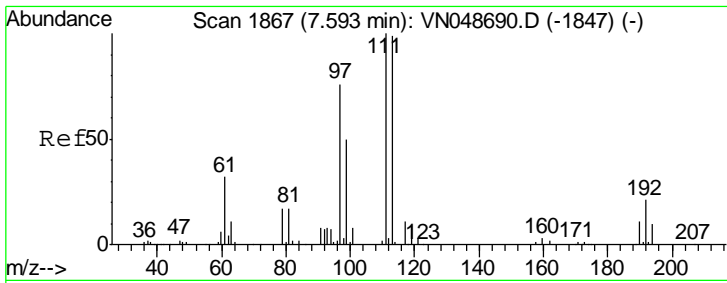
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

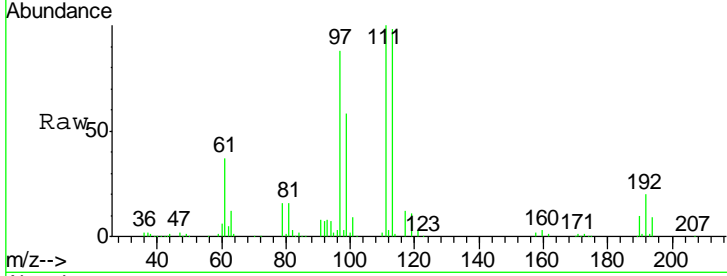
Tgt Ion	Resp	Lower	Upper
114	520373		
114	100		
63	20.6	0.0	40.0
88	16.1	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 51.00 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

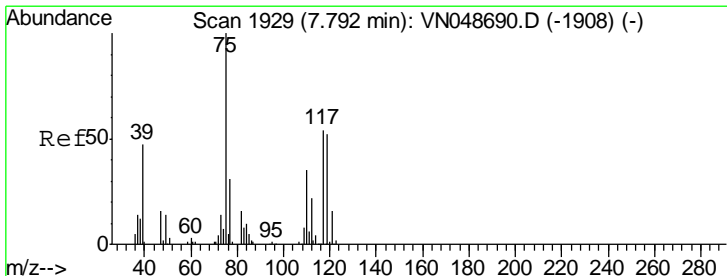
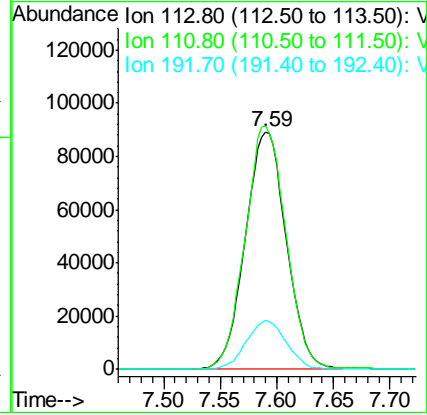
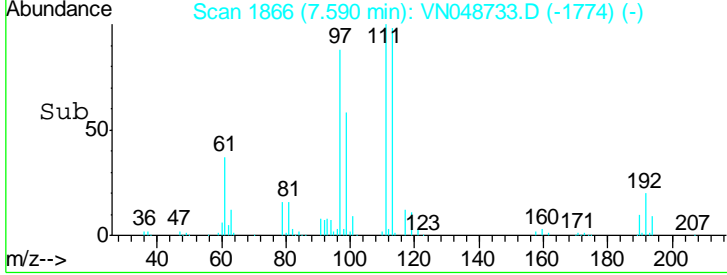
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050



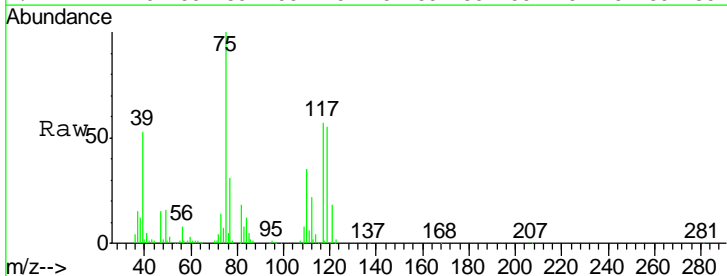
Tgt Ion: 113 Resp: 224769

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.7	122.5
192	20.2	17.6	26.4

Manual Integrations
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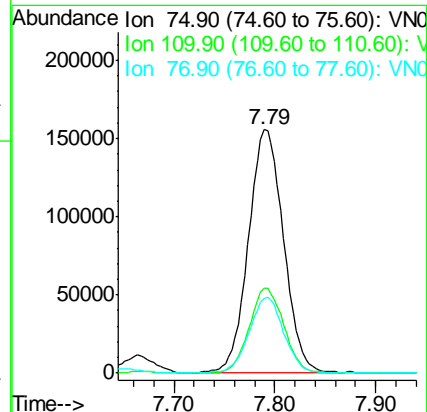
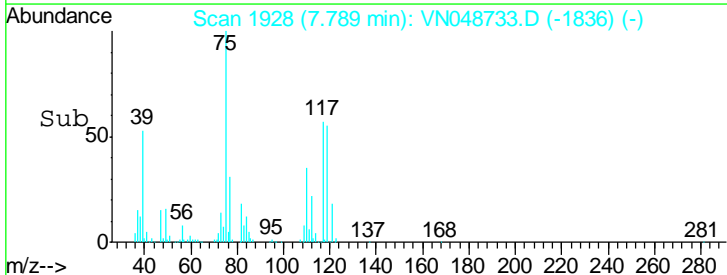


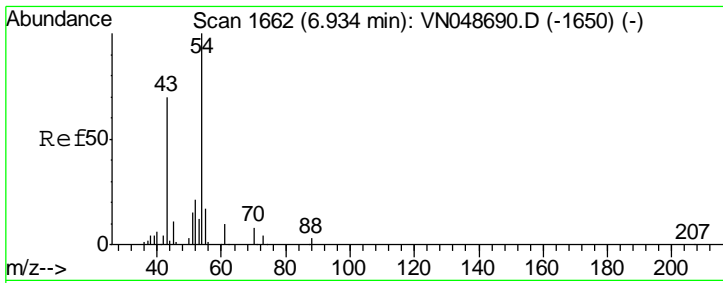
#36
 1,1-Dichloropropene
 Concen: 51.75 ug/l
 RT: 7.79 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00



Tgt Ion: 75 Resp: 372117

Ion	Ratio	Lower	Upper
75	100		
110	34.9	18.4	55.0
77	31.1	25.0	37.4



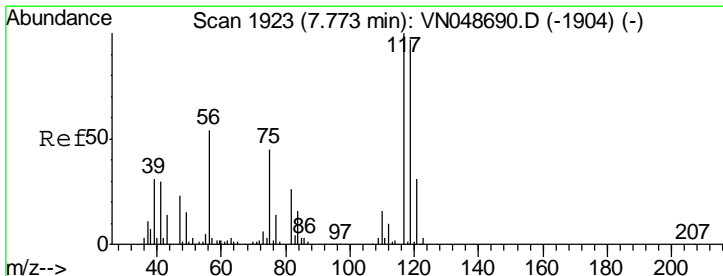
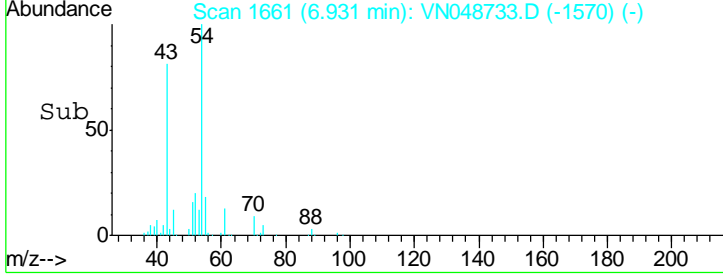
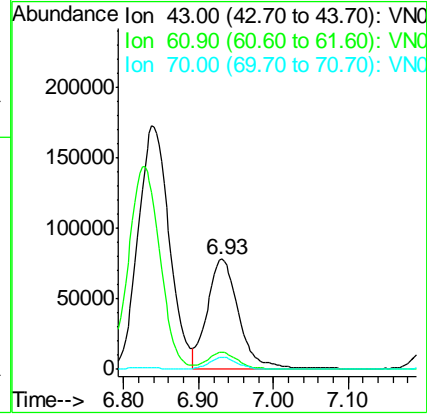
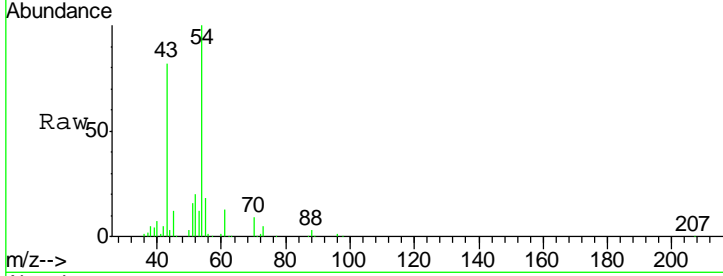


#37
Ethyl Acetate
Concen: 52.24 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN048733.D
Acq: 30 May 2018 11:00

Instrument : MSVOA_N
ClientSampled : VSTDC050

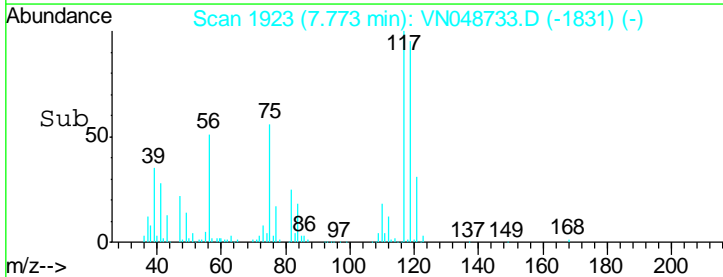
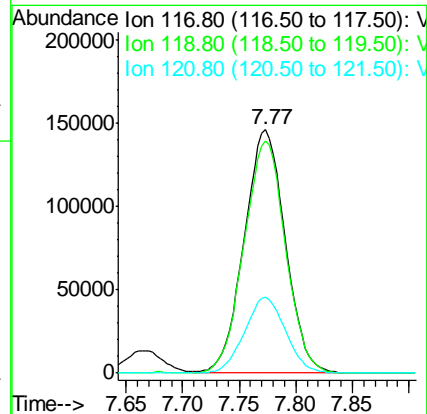
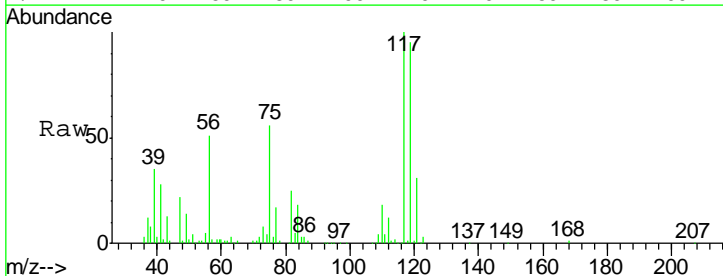
Tgt Ion	Resp	Lower	Upper
43	100		
61	14.9	11.4	17.2
70	10.0	8.6	12.8

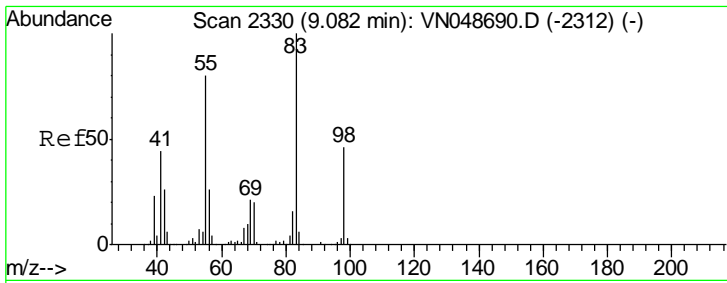
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 50.00 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN048733.D
Acq: 30 May 2018 11:00

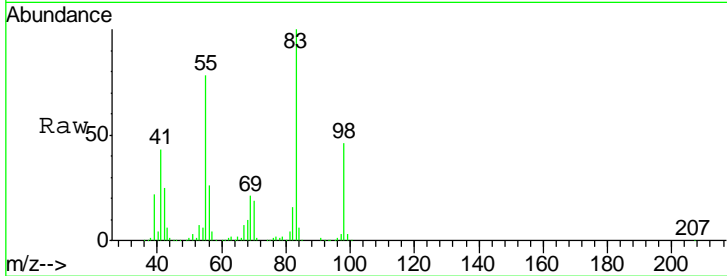
Tgt Ion	Resp	Lower	Upper
117	100		
119	95.6	78.0	117.0
121	31.3	24.5	36.7





#39
 Methylcyclohexane
 Concen: 54.41 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

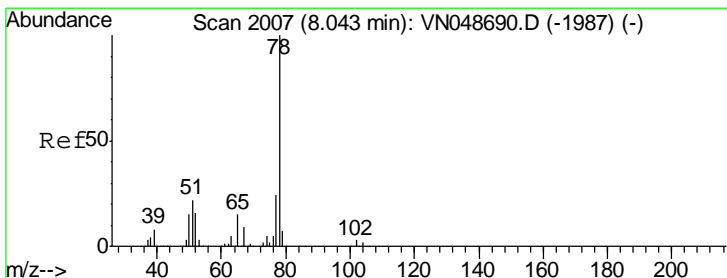
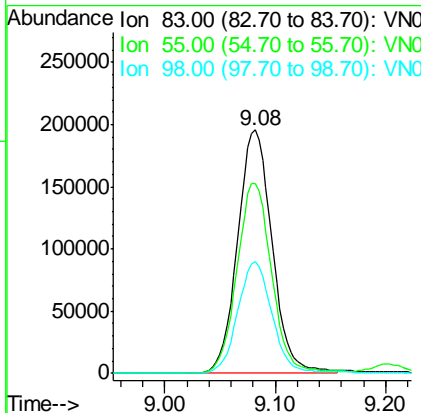
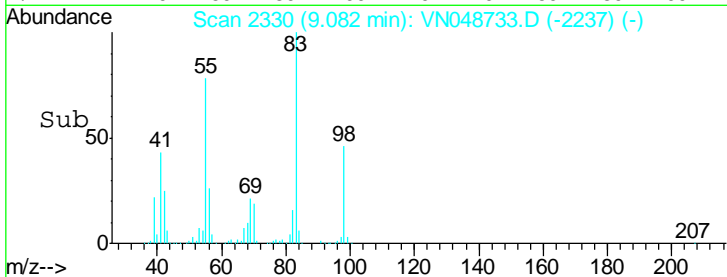
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



Tgt Ion: 83 Resp: 425335

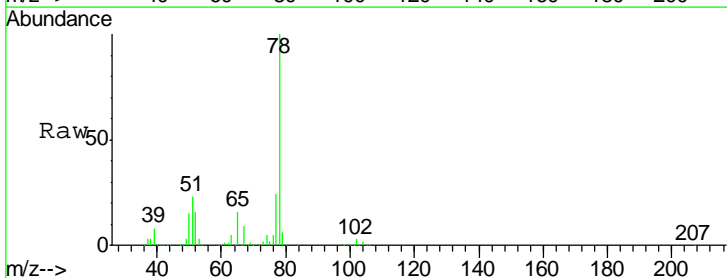
Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.7	92.5
98	45.7	36.8	55.2

Manual Integrations APPROVED
 MMDadoda
 5/31/2018 3:06:59 PM



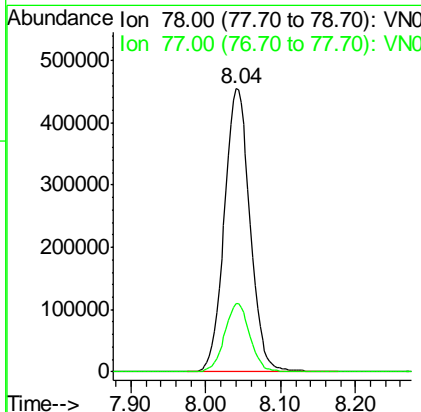
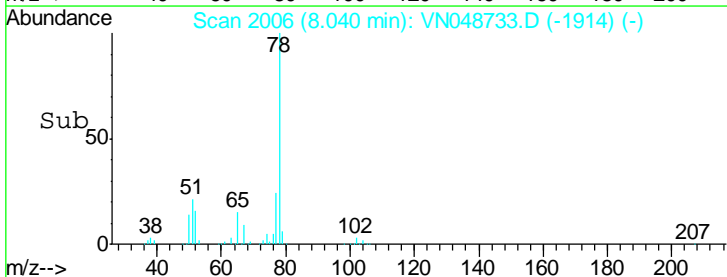
#40
 Benzene
 Concen: 51.64 ug/l
 RT: 8.04 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

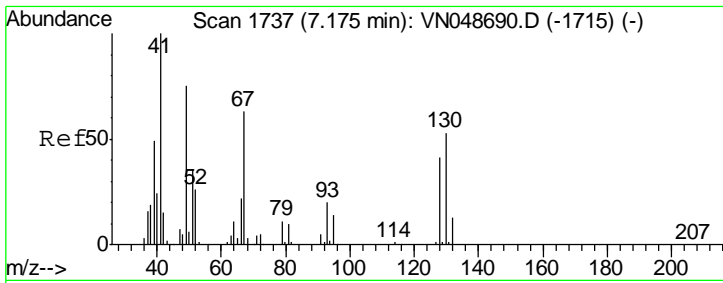
1
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16



Tgt Ion: 78 Resp: 1083570

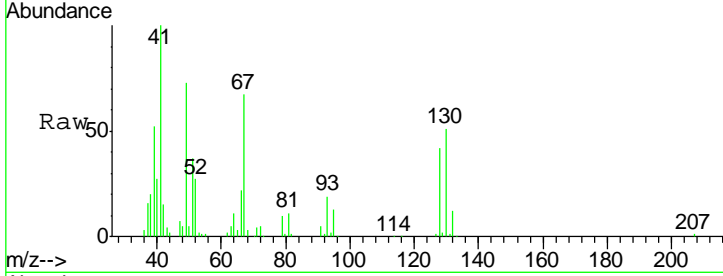
Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1





#41
 Methacrylonitrile
 Concen: 49.78 ug/l
 RT: 7.17 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

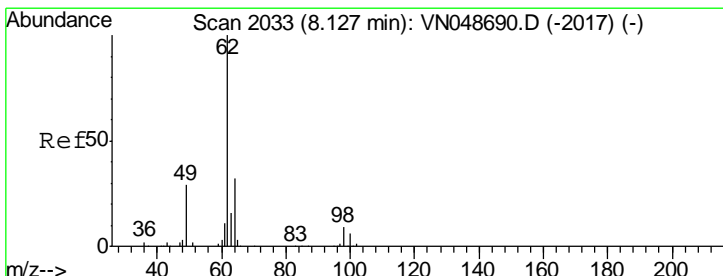
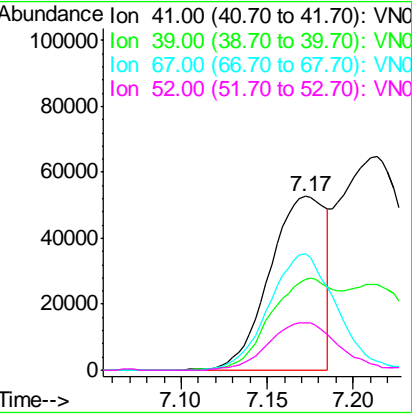
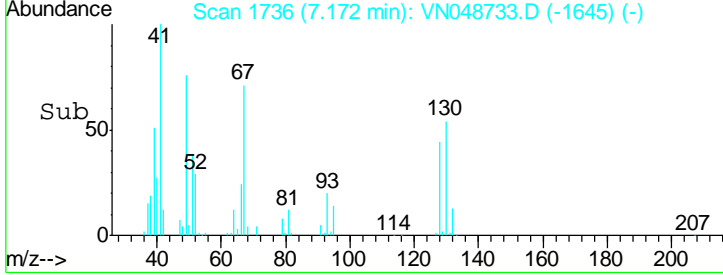
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



Tgt Ion: 41 Resp: 118634

Ion	Ratio	Lower	Upper
41	100		
39	60.4	47.4	71.2
67	82.1	62.4	93.6
52	33.8	25.6	38.4

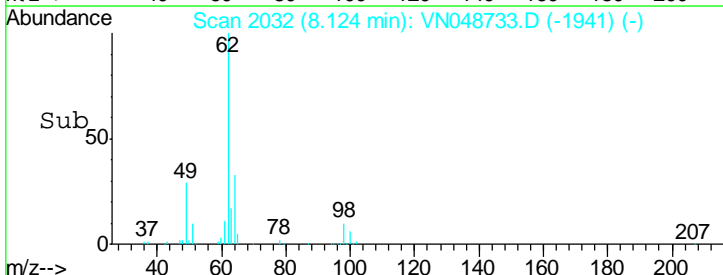
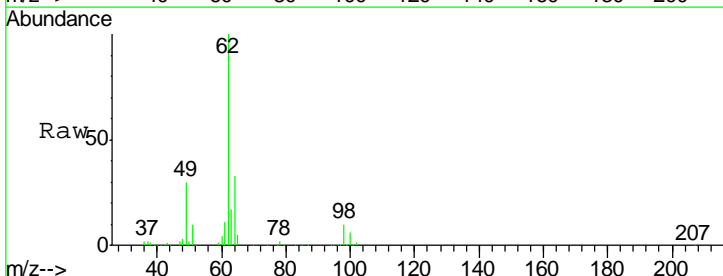
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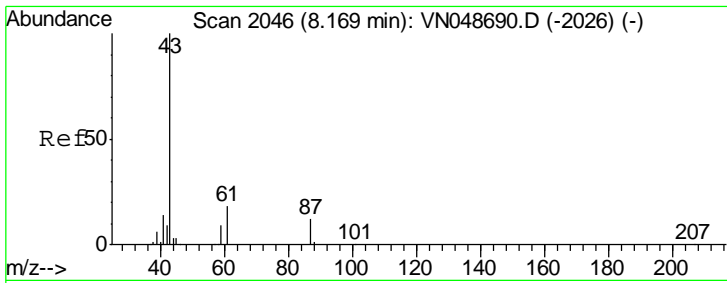


#42
 1,2-Dichloroethane
 Concen: 49.85 ug/l
 RT: 8.12 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion: 62 Resp: 326483

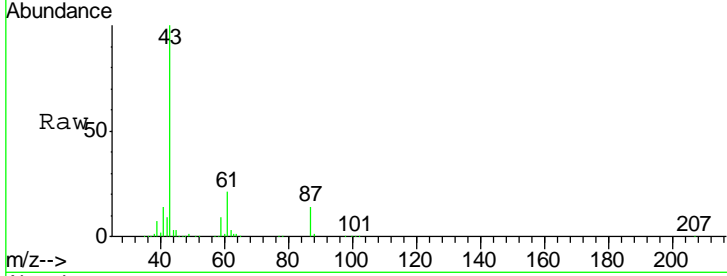
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43
 Isopropyl Acetate
 Concen: 50.99 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

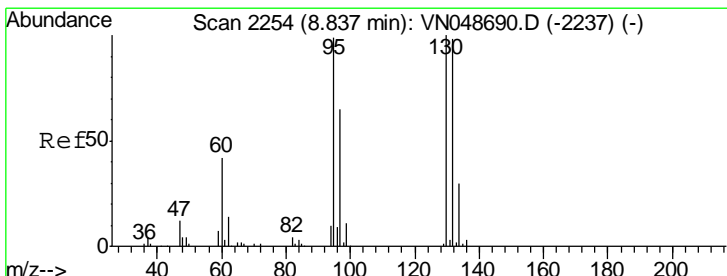
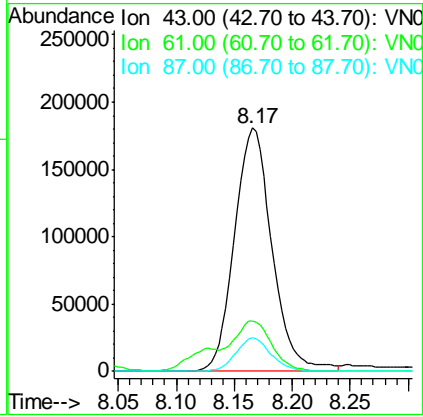
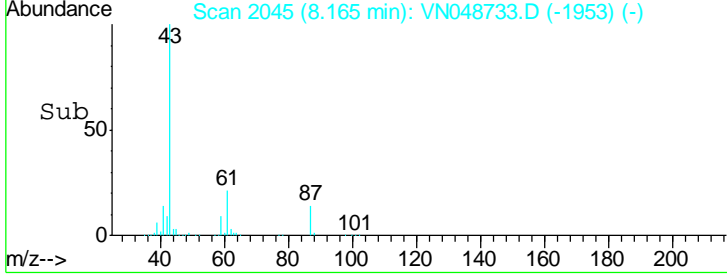
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



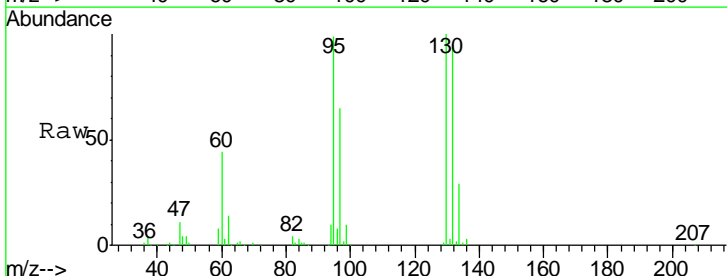
Tgt Ion: 43 Resp: 405117

Ion	Ratio	Lower	Upper
43	100		
61	20.5	22.2	33.2#
87	12.9	10.6	15.8

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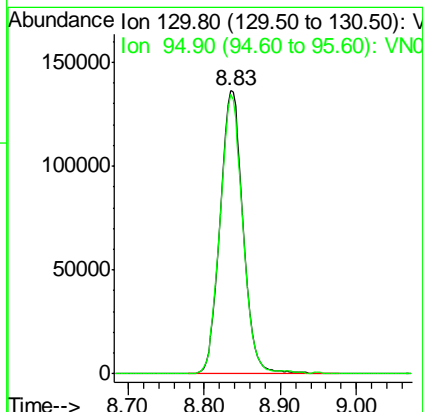
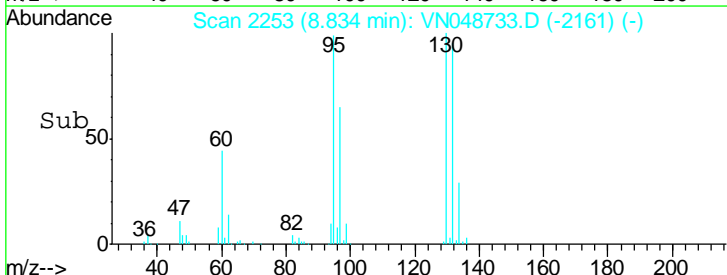


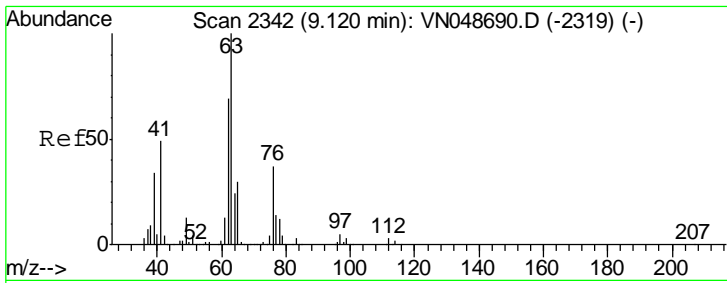
#44
 Trichloroethene
 Concen: 53.17 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00



Tgt Ion: 130 Resp: 287117

Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	191.6



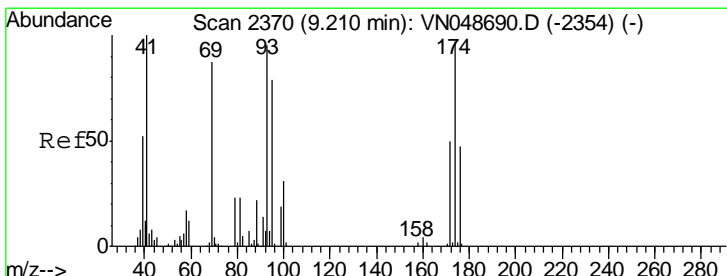
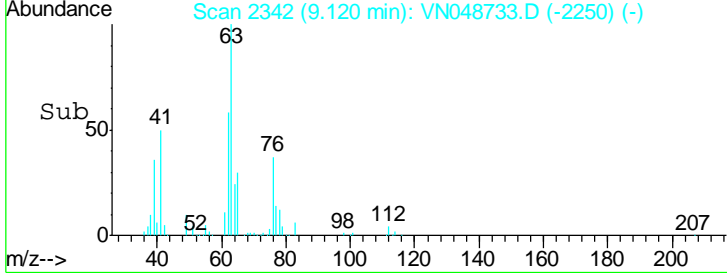
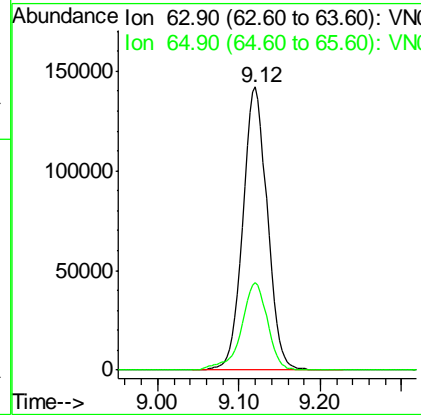
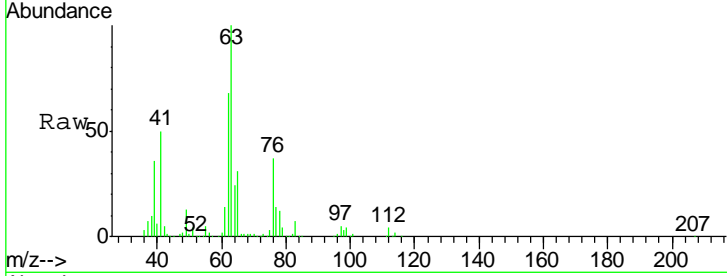


#45
 1,2-Dichloropropane
 Concen: 51.56 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.8	23.9	35.9

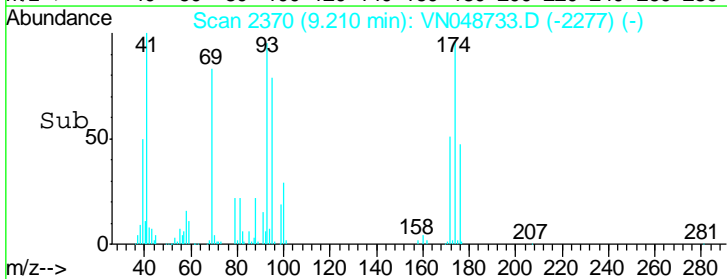
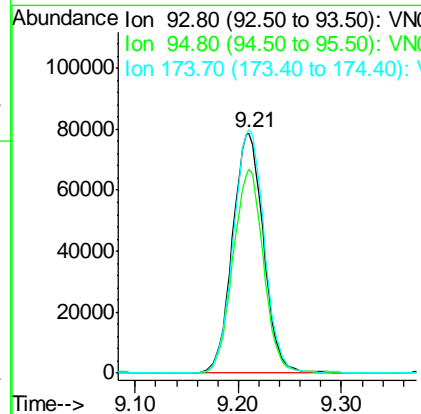
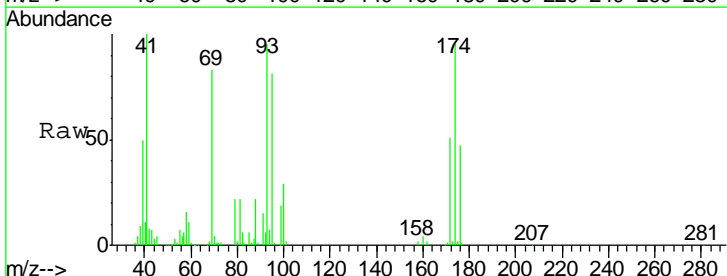
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

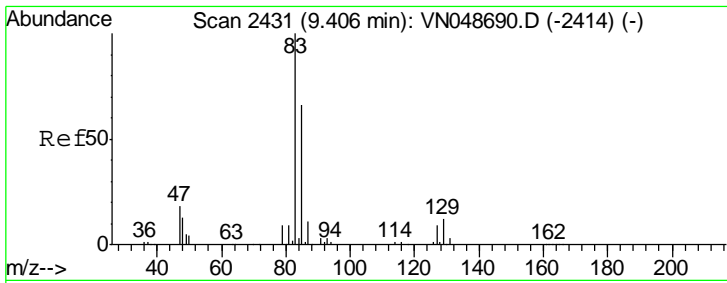
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#46
 Dibromomethane
 Concen: 51.27 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

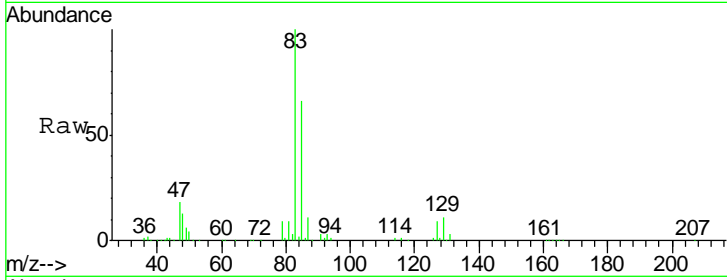
Tgt Ion	Resp	Lower	Upper
93	100		
95	83.8	66.7	100.1
174	101.3	87.7	131.5





#47
 Bromodichloromethane
 Concen: 50.67 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

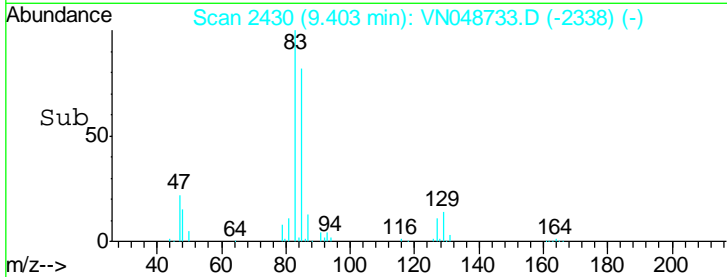
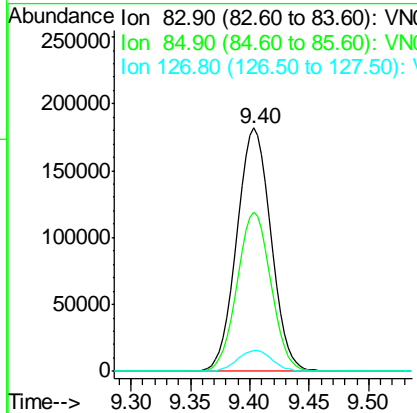
Instrument : MSVOA_N
 ClientSampled : VSTDC050



Tgt Ion: 83 Resp: 363101

Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.1	78.1
127	8.6	7.3	10.9

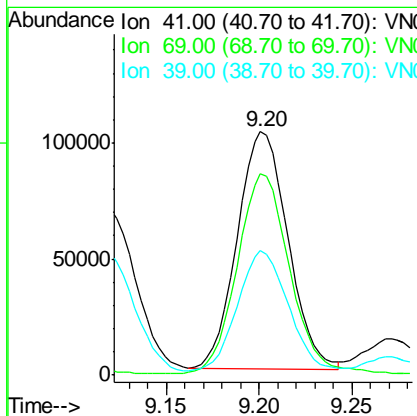
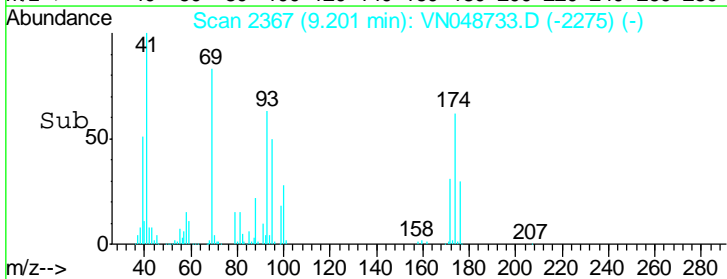
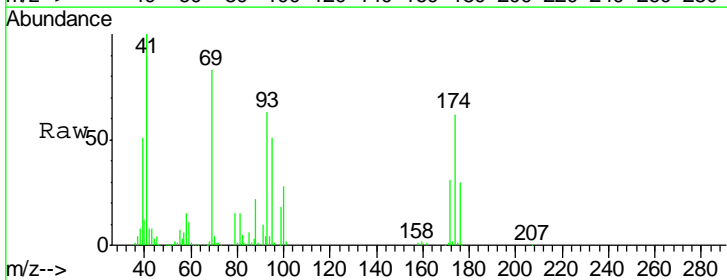
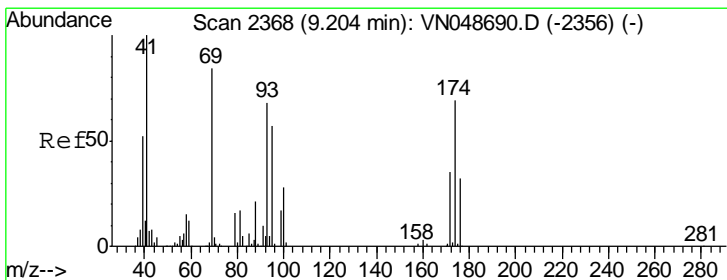
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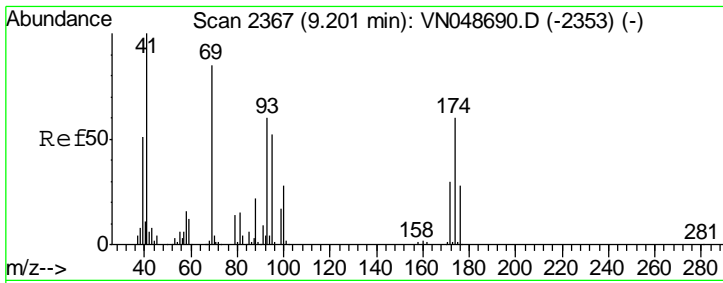


#48
 Methyl methacrylate
 Concen: 50.44 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion: 41 Resp: 193604

Ion	Ratio	Lower	Upper
41	100		
69	88.4	68.6	103.0
39	53.9	42.3	63.5



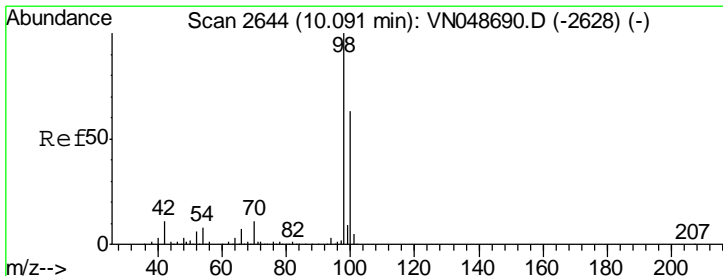
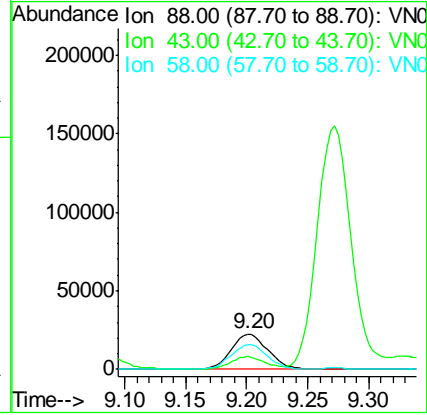
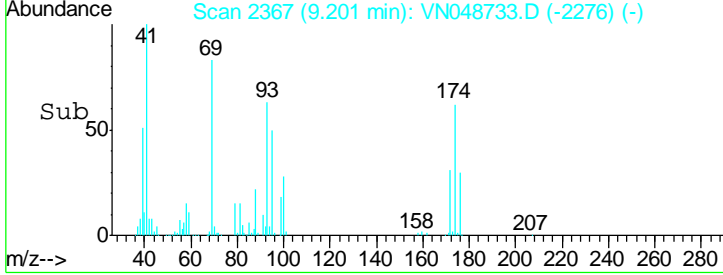
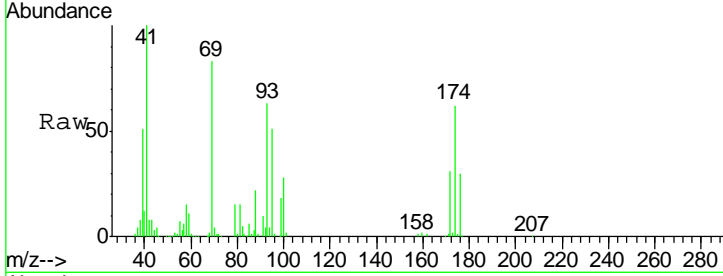


#49
 1,4-Dioxane
 Concen: 999.56 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.01 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
88	47357		
88	100		
43	30.9	27.6	41.4
58	70.0	57.0	85.6

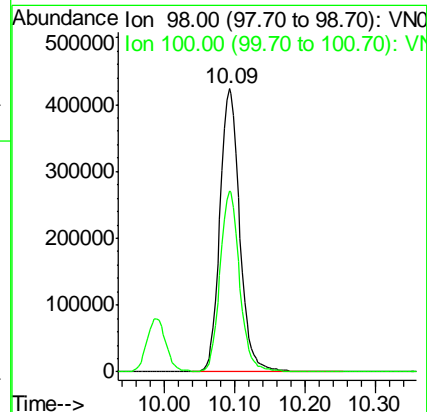
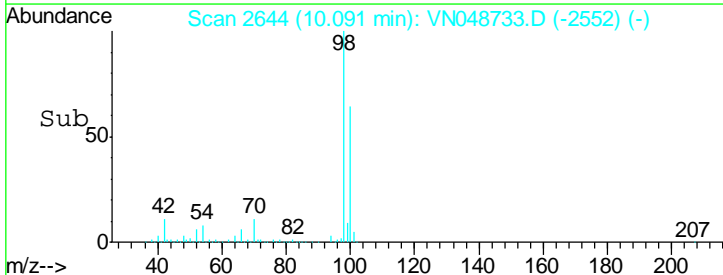
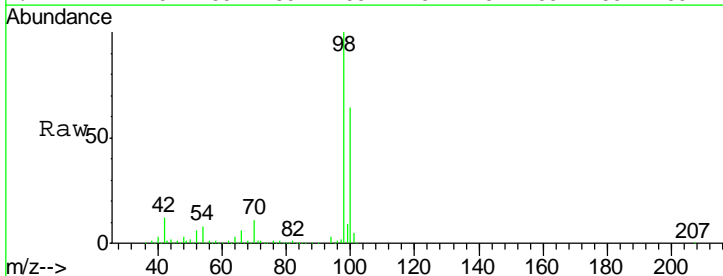
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

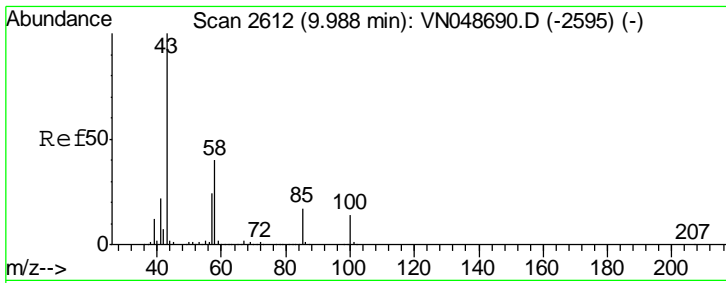
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#50
 Toluene-d8
 Concen: 50.65 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
98	825189		
98	100		
100	63.3	51.2	76.8



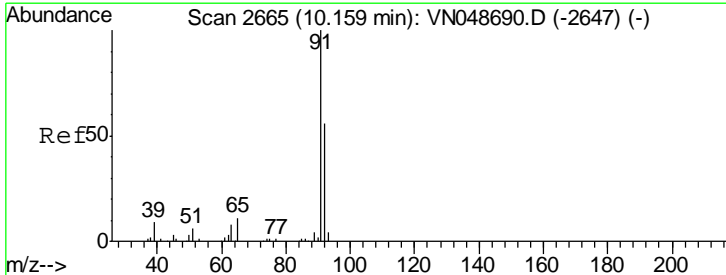
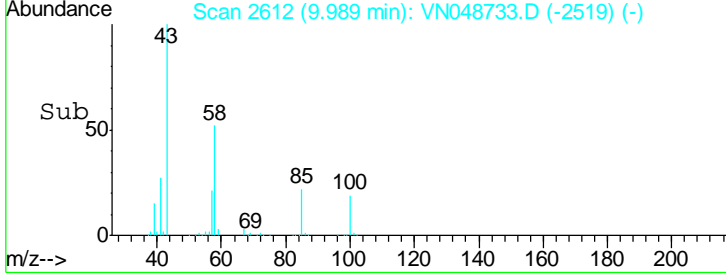
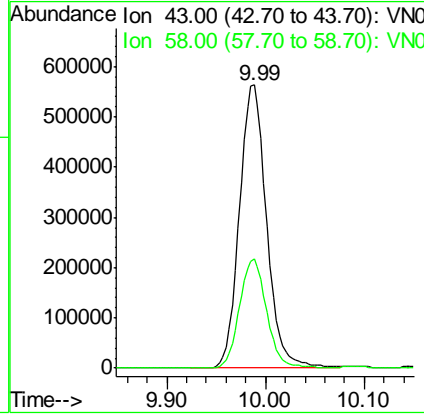
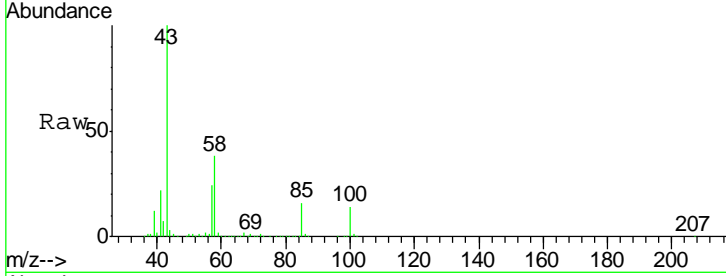


#51
 4-Methyl-2-Pentanone
 Concen: 257.33 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
43	1077000		
58	38.7	31.0	46.6

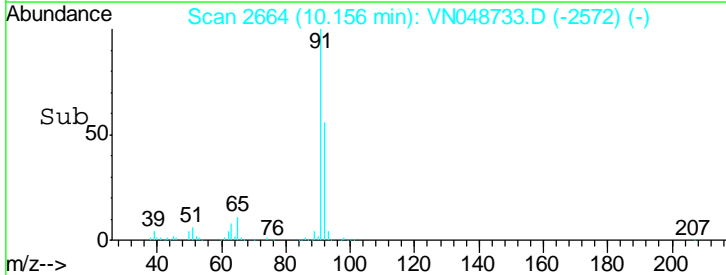
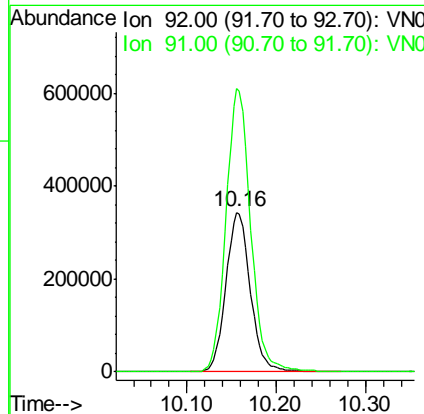
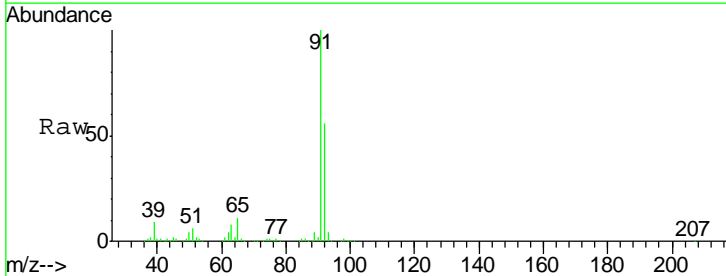
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

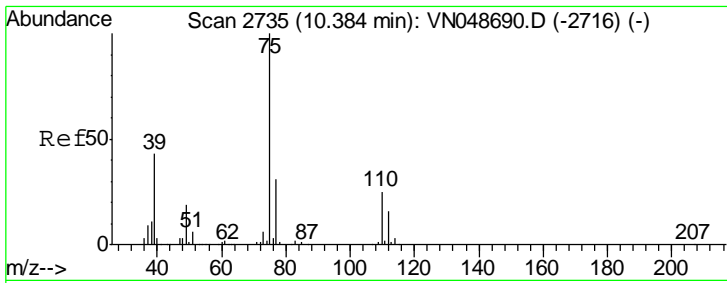
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#52
 Toluene
 Concen: 52.59 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
92	651242		
91	179.0	141.0	211.4



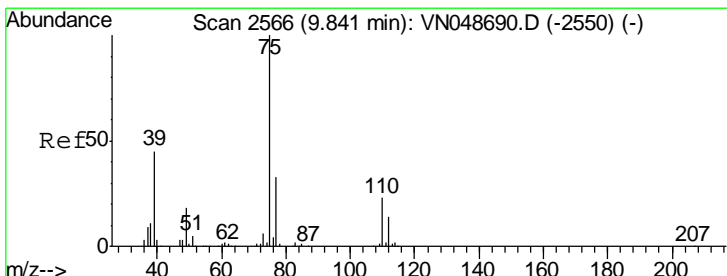
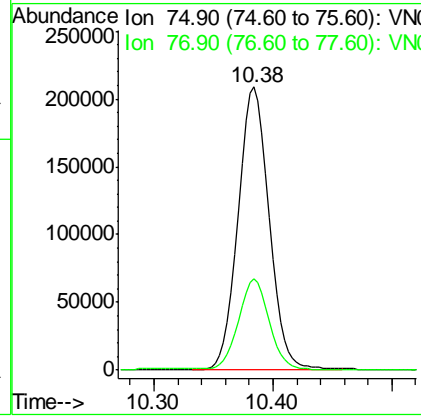
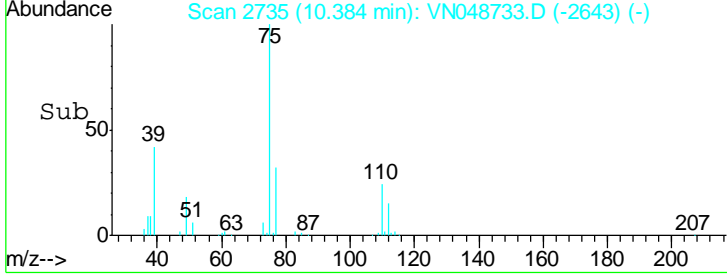
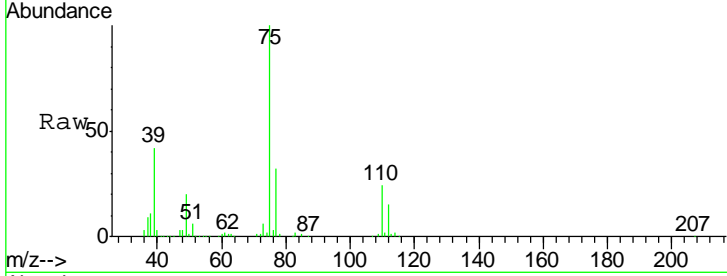


#53
 t-1,3-Dichloropropene
 Concen: 52.64 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

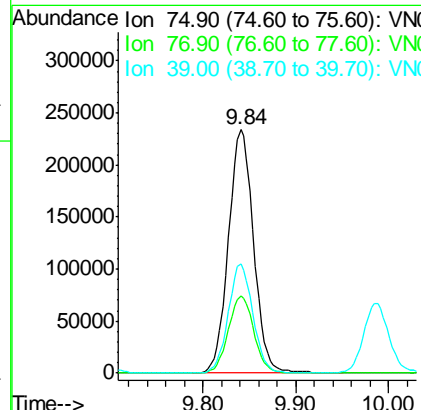
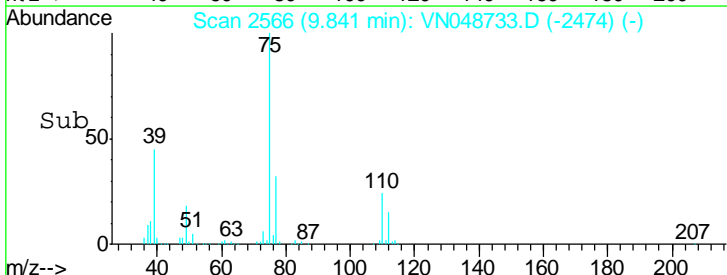
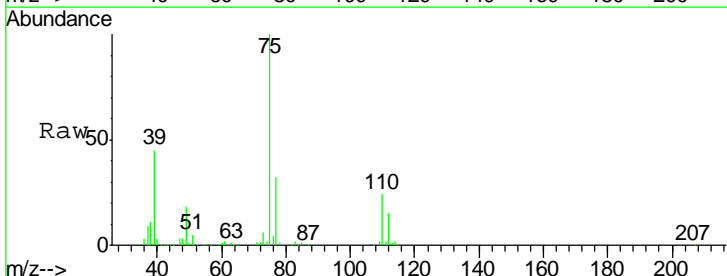
Tgt Ion	Resp	Lower	Upper
75	100		
77	32.0	24.9	37.3

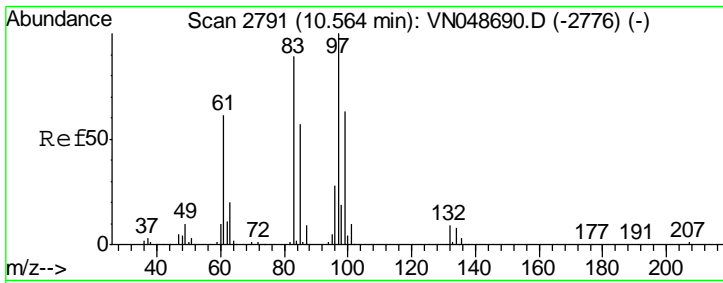
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#54
 cis-1,3-Dichloropropene
 Concen: 52.49 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.6	25.1	37.7
39	44.7	36.7	55.1



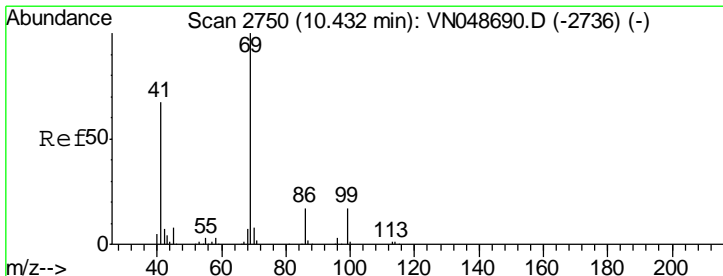
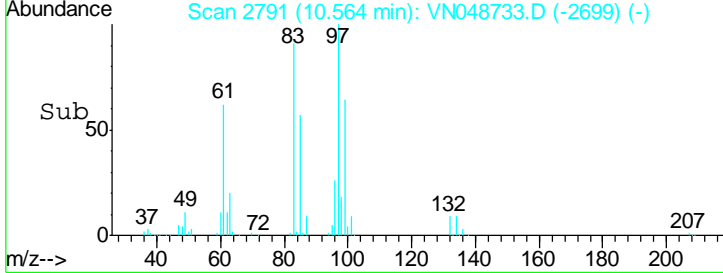
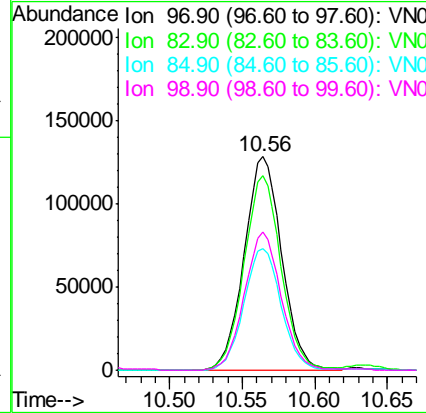
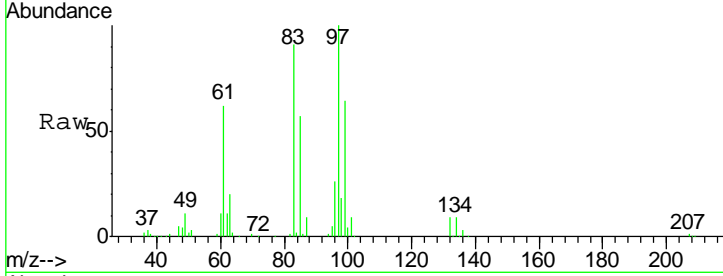


#55
 1,1,2-Trichloroethane
 Concen: 52.17 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

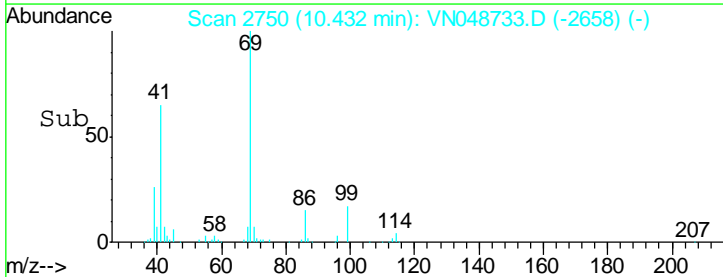
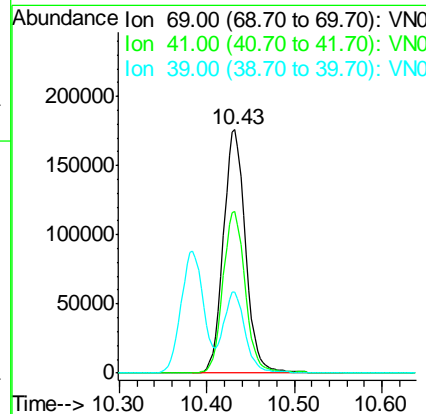
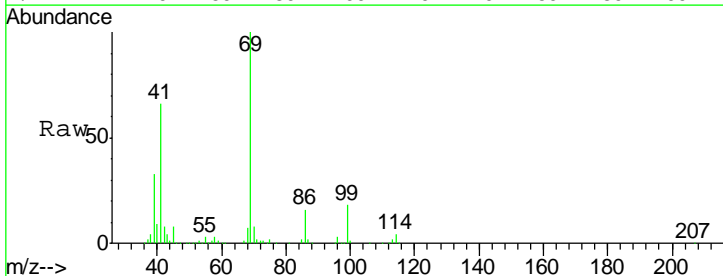
Tgt Ion	Resp	Lower	Upper
97	231981		
97	100		
83	90.9	68.7	103.1
85	57.1	43.4	65.2
99	64.3	49.6	74.4

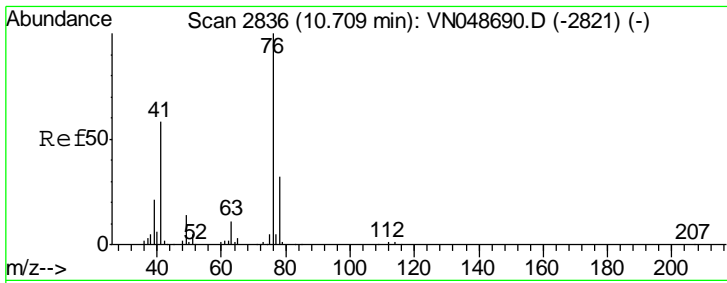
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#56
 Ethyl methacrylate
 Concen: 49.81 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
69	309813		
69	100		
41	65.5	52.3	78.5
39	32.2	26.4	39.6



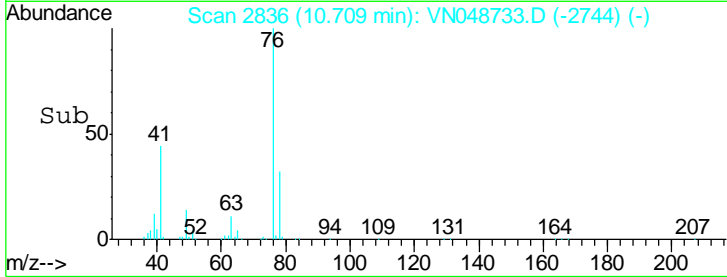
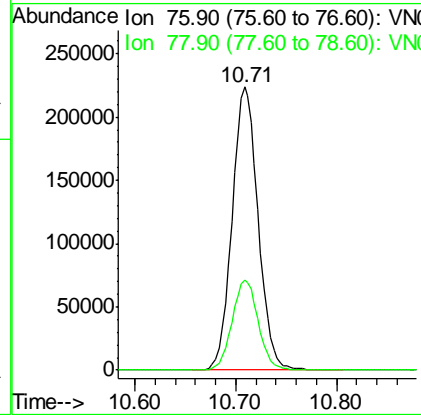
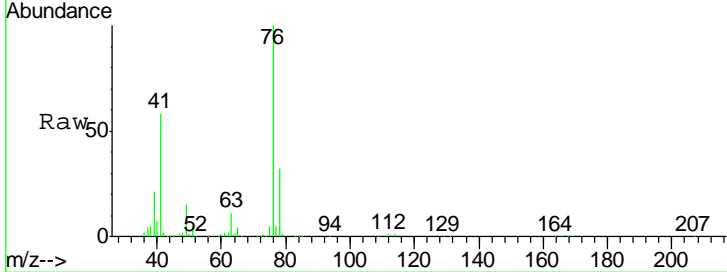


#57
 1,3-Dichloropropane
 Concen: 51.39 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
76	401351		
76	100		
78	32.0	25.7	38.5

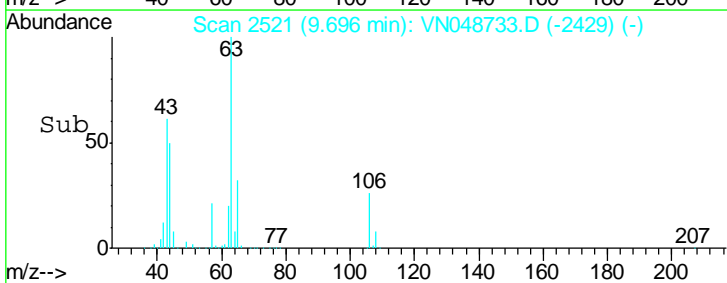
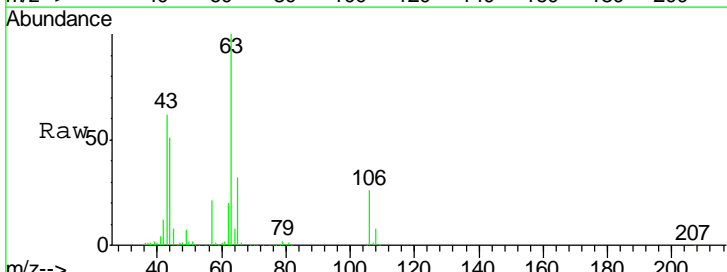
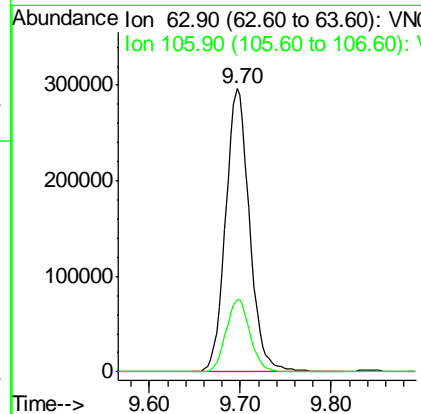
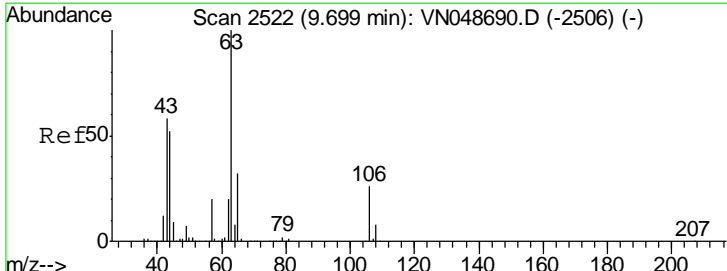
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

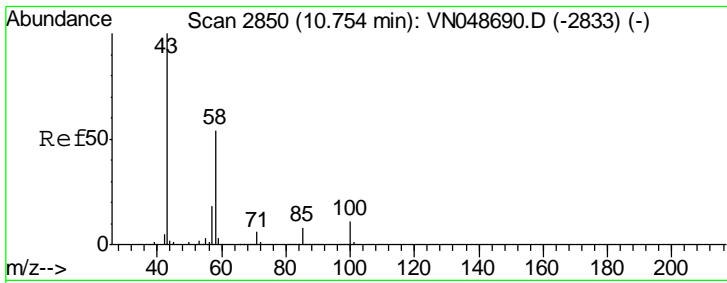
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#58
 2-Chloroethyl Vinyl ether
 Concen: 234.13 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
63	542463		
63	100		
106	25.6	21.3	31.9



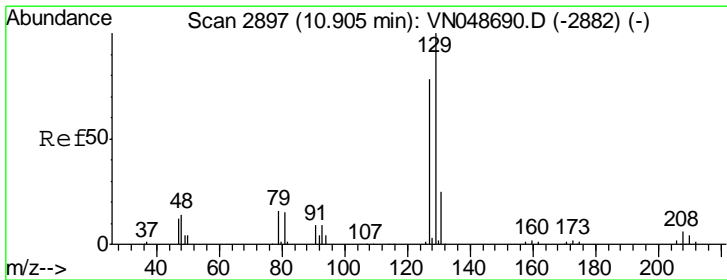
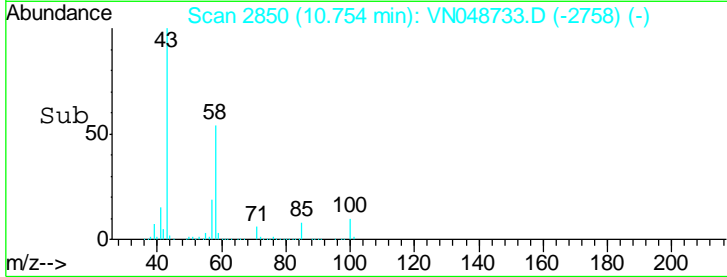
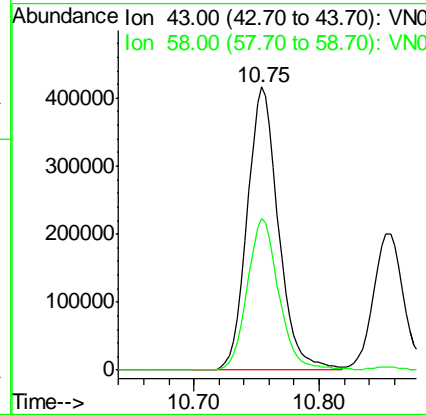
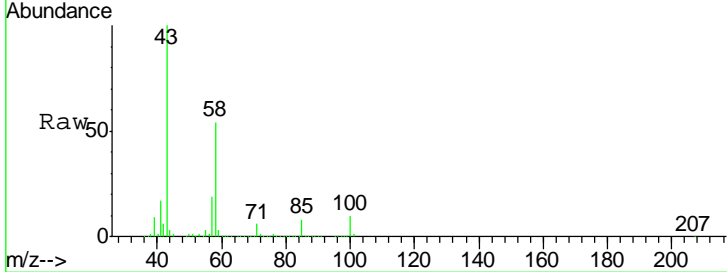


#59
 2-Hexanone
 Concen: 261.22 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 ClientSampled : VSTDC050

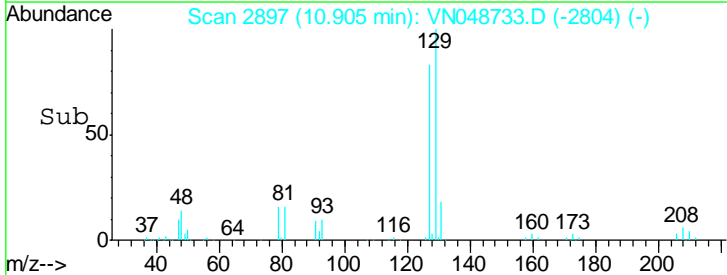
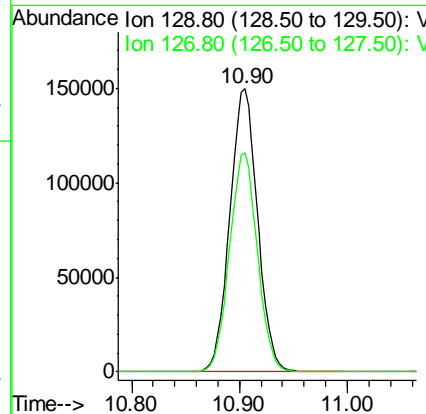
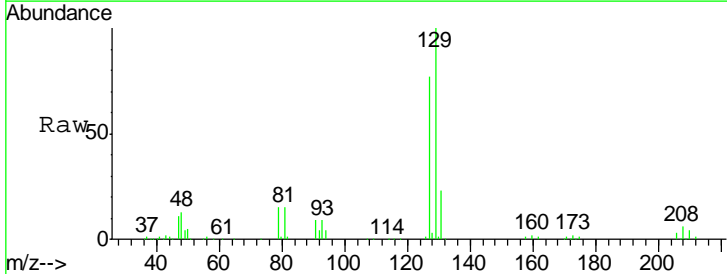
Tgt Ion	Resp	Lower	Upper
43	100		
58	54.2	27.4	82.0

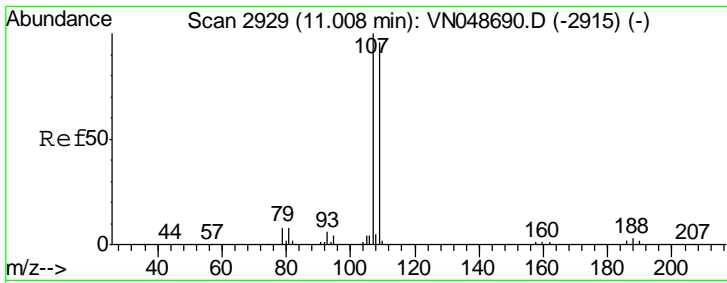
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:06:59 PM



#60
 Dibromochloromethane
 Concen: 51.61 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.9	38.8	116.4





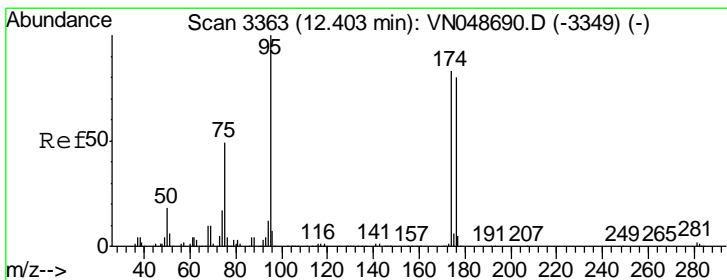
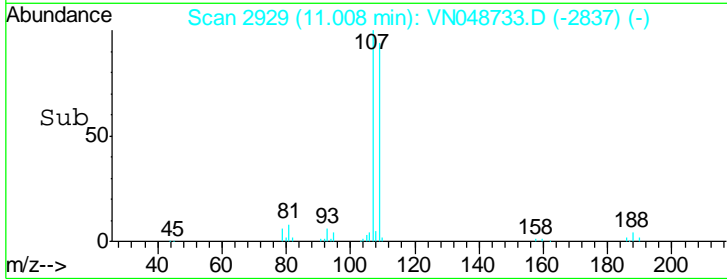
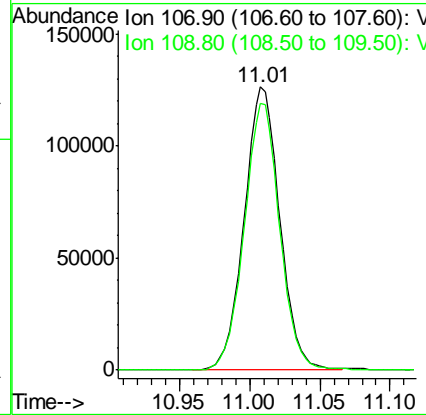
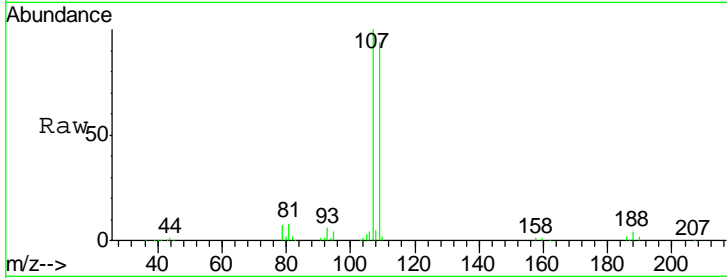
#61
 1,2-Dibromoethane
 Concen: 50.87 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.1	74.4	111.6

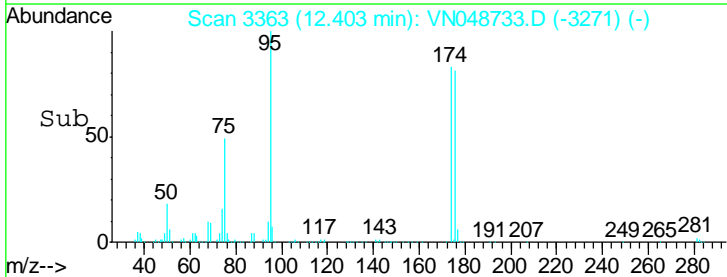
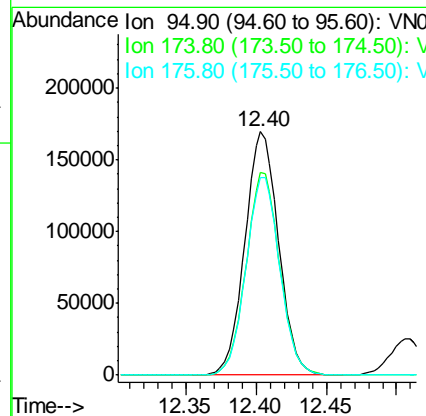
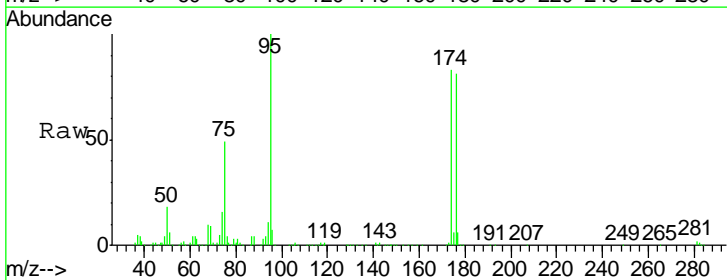
Manual Integrations
 APPROVED

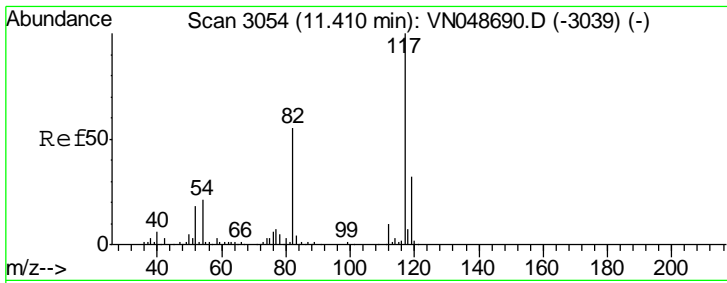
MMDadoda
 5/31/2018 3:06:59 PM



#62
 4-Bromofluorobenzene
 Concen: 50.53 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

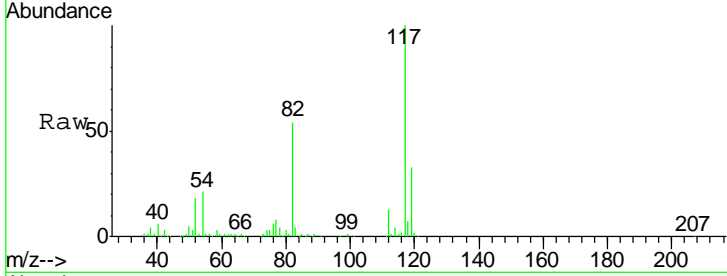
Tgt Ion	Resp	Lower	Upper
95	100		
174	83.0	0.0	173.8
176	81.5	0.0	170.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

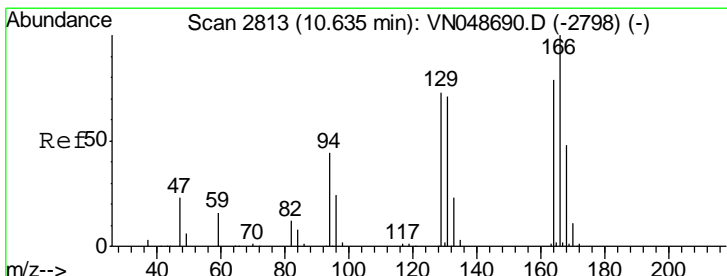
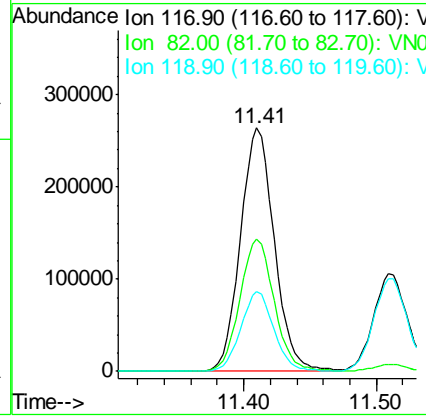
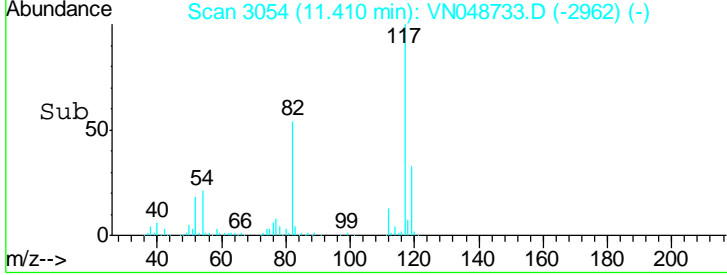
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



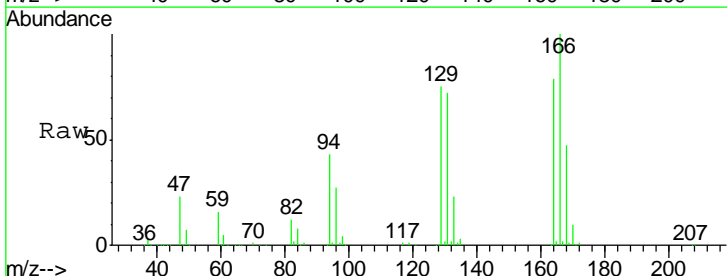
Tgt Ion: 117 Resp: 469279

Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.8	64.2
119	32.7	26.0	39.0

Manual Integrations
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 5/31/2018 3:06:59 PM

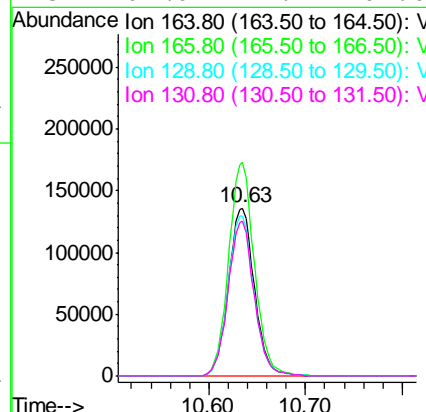
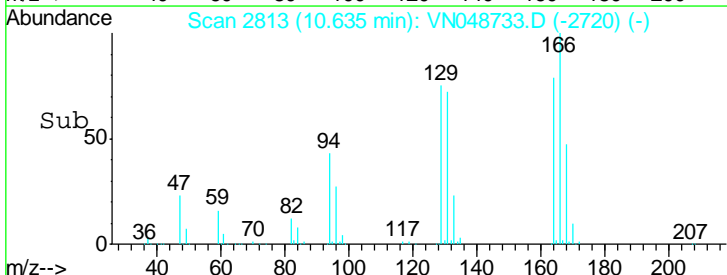


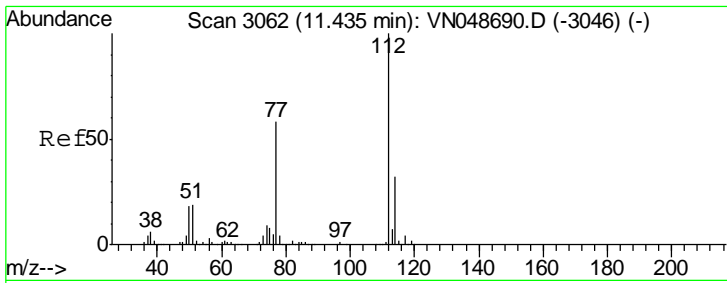
#64
 Tetrachloroethene
 Concen: 53.35 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00



Tgt Ion: 164 Resp: 253475

Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.7	154.1
129	95.0	74.3	111.5
131	91.9	71.4	107.0



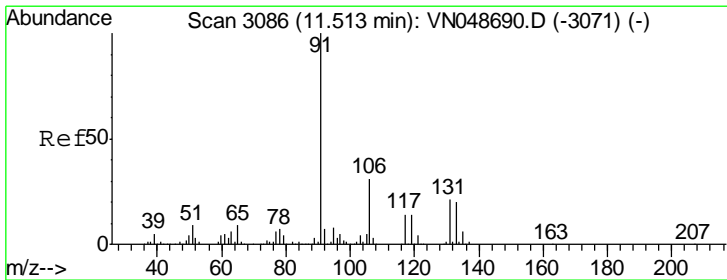
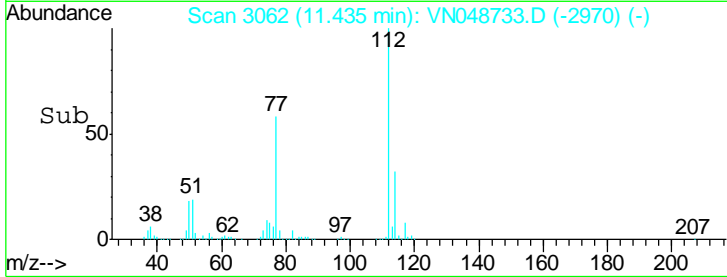
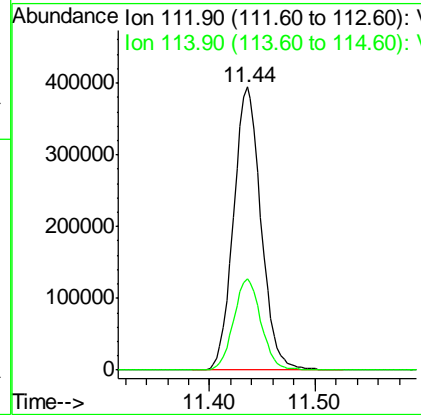
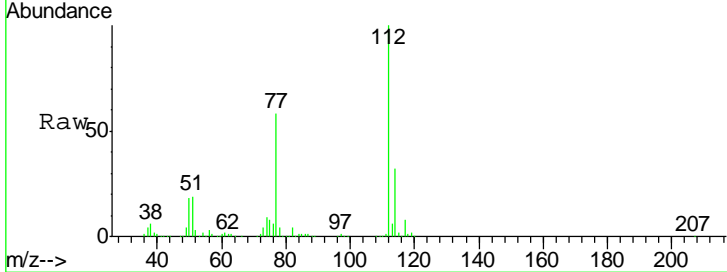


#65
 Chlorobenzene
 Concen: 51.62 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 Client Sampled : VSTDC050

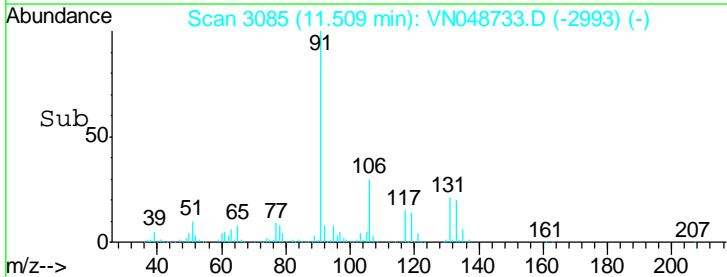
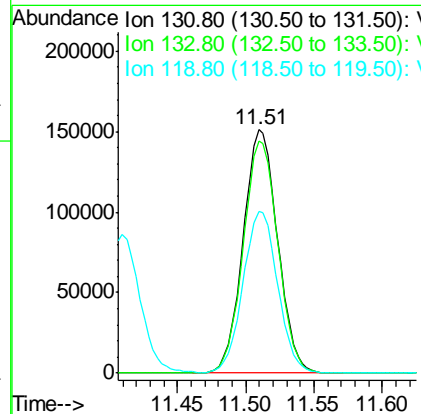
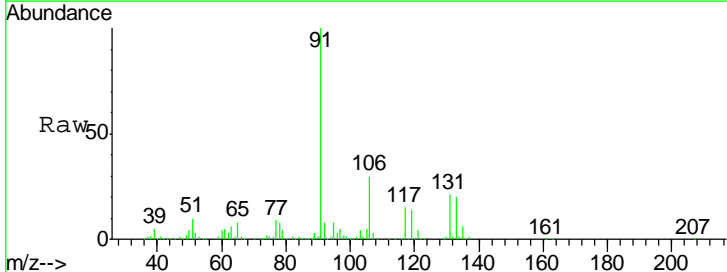
Tgt Ion	Resp	Lower	Upper
112	709453		
114	32.3	25.6	38.4

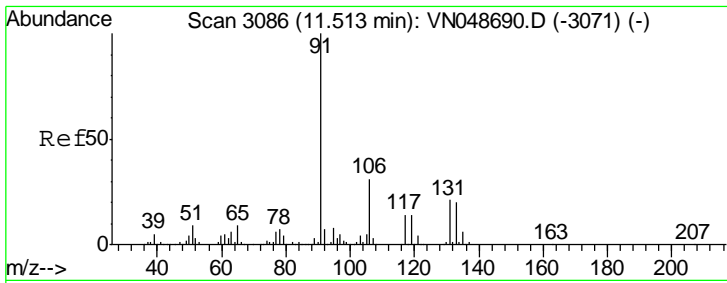
Manual Integrations
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 MMDadoda
 5/31/2018 3:06:59 PM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.16 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
131	264682		
133	96.0	47.8	143.4
119	67.1	33.1	99.3





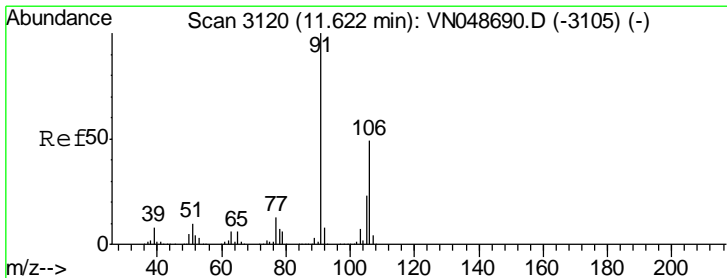
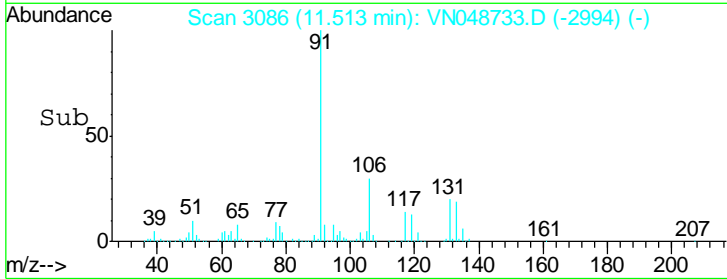
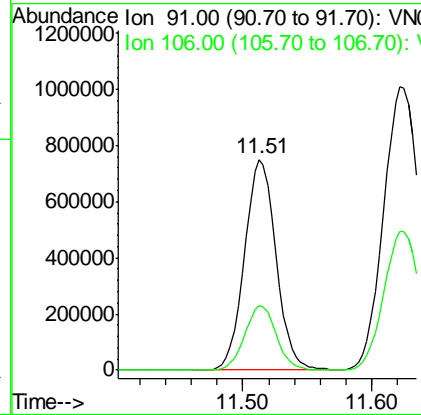
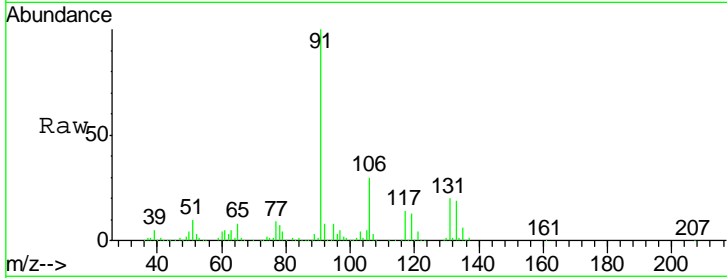
#67
Ethyl Benzene
Concen: 53.65 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN048733.D
Acq: 30 May 2018 11:00

Instrument : MSVOA_N
Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.5	24.9	37.3

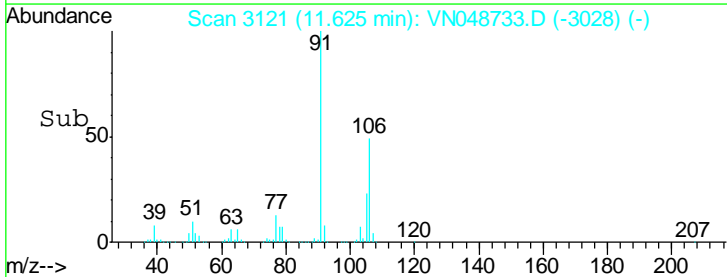
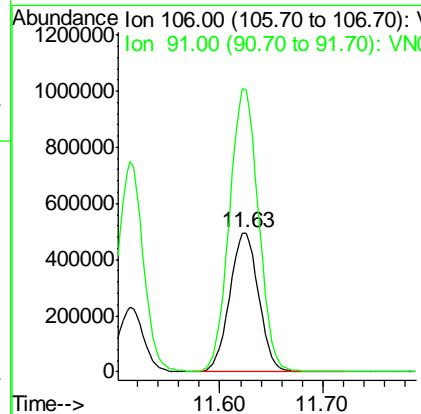
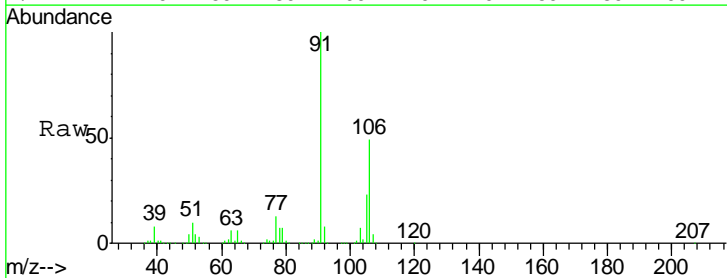
Manual Integrations
APPROVED

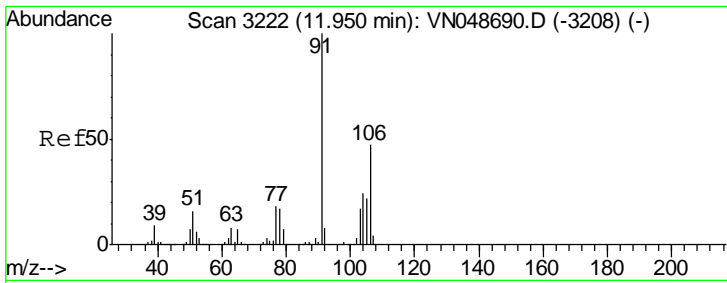
MMDadoda
5/31/2018 3:06:59 PM



#68
m/p-Xylenes
Concen: 108.08 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN048733.D
Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
106	100		
91	204.5	163.4	245.0



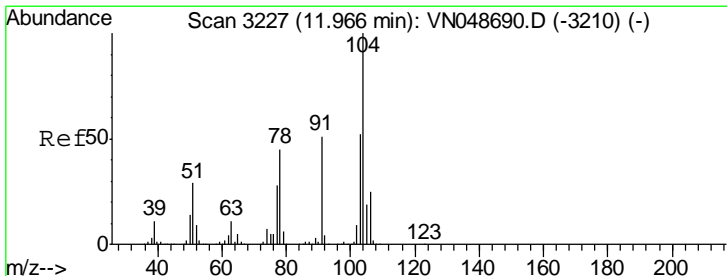
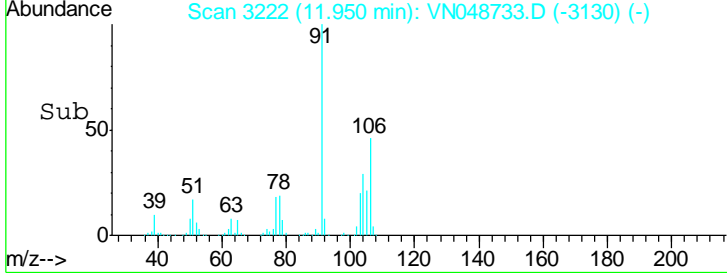
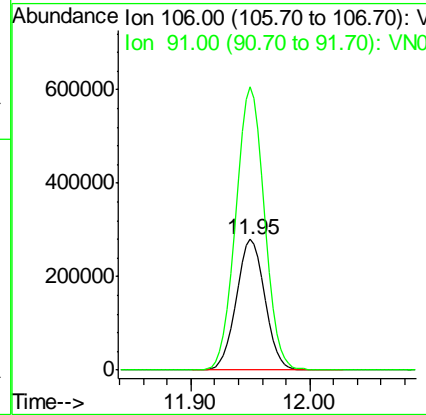
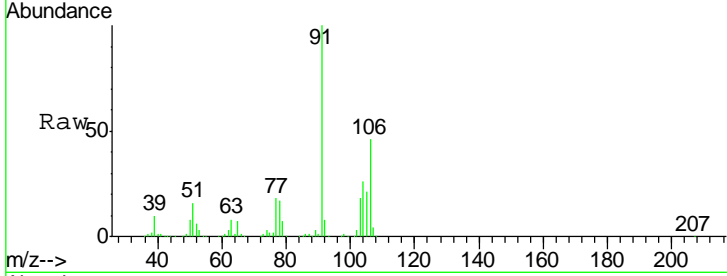


#69
 o-Xylene
 Concen: 53.90 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

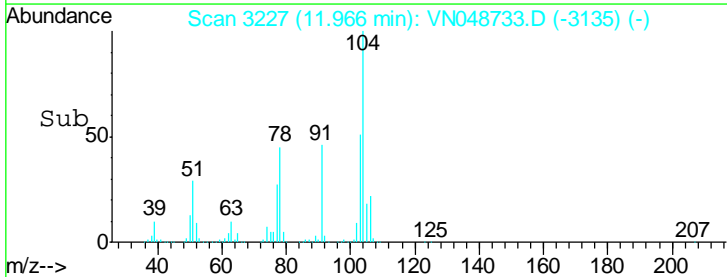
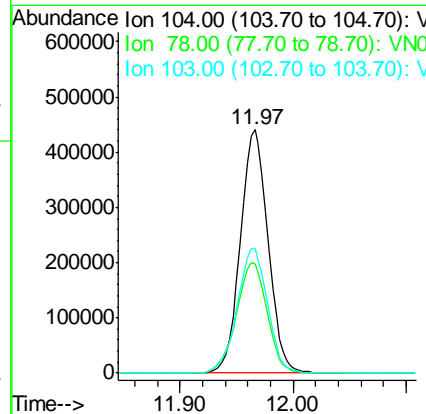
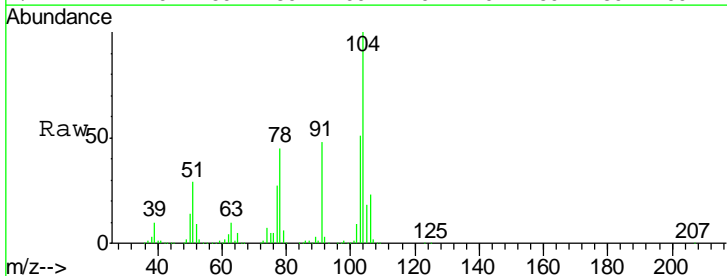
Tgt Ion	Resp	Lower	Upper
106	466331		
106	100		
91	217.0	107.9	323.7

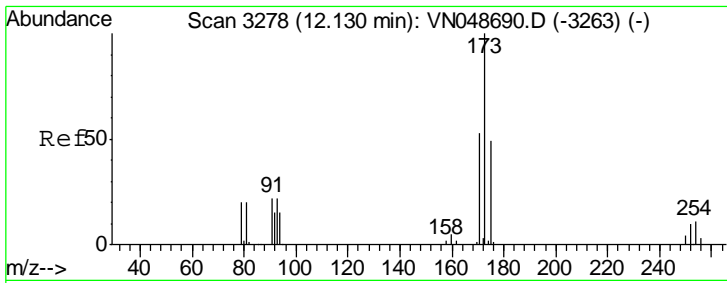
Manual Integrations
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 5/31/2018 3:06:59 PM



#70
 Styrene
 Concen: 55.23 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
104	751236		
104	100		
78	50.4	39.8	59.8
103	56.1	44.6	66.8



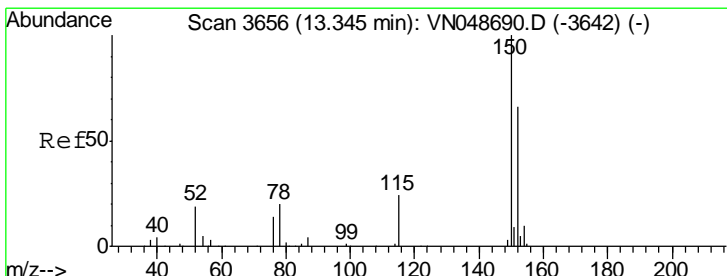
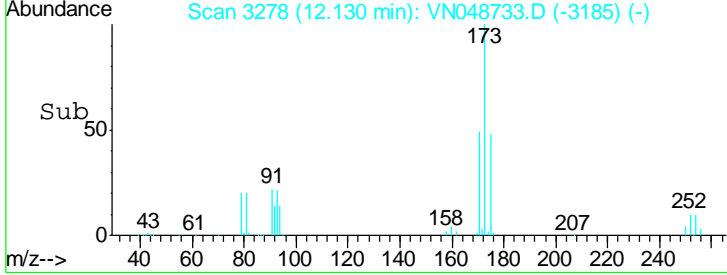
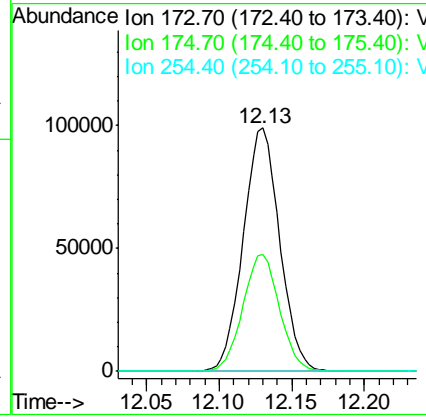
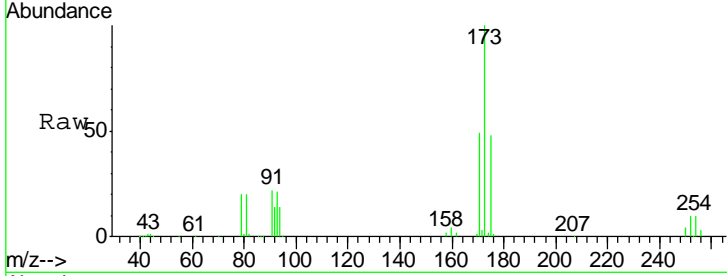


#71
 Bromoform
 Concen: 51.72 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 Client Sampled : VSTDC050

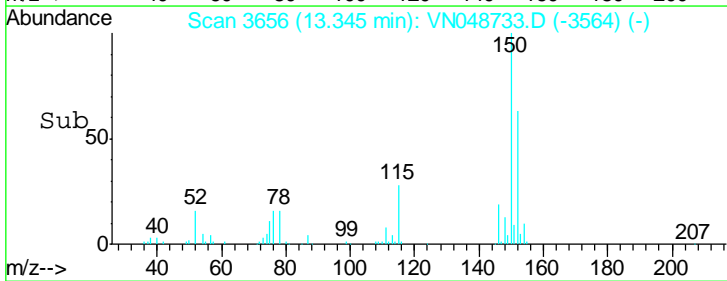
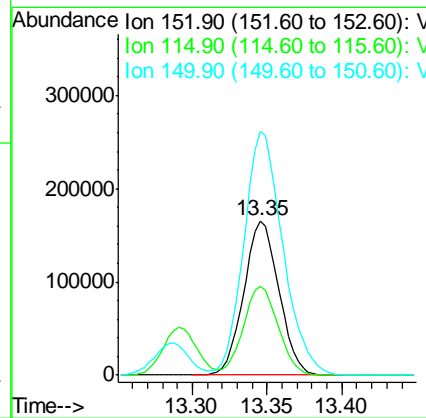
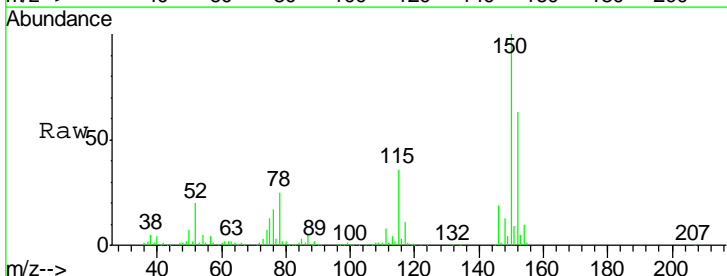
Tgt Ion	Resp	Lower	Upper
173	173033		
173	100		
175	48.2	23.9	71.8
254	0.0	0.0	0.0

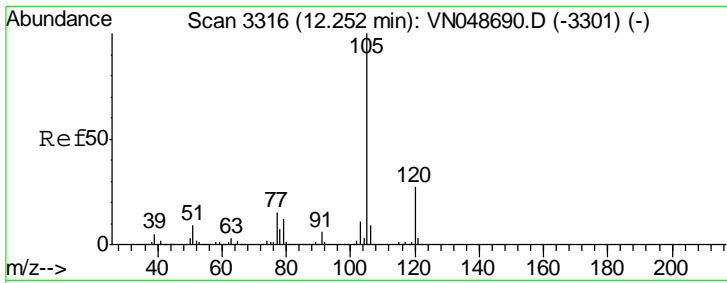
Manual Integrations
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 5/31/2018 3:06:59 PM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
152	269392		
152	100		
115	57.1	28.1	84.4
150	176.2	0.0	353.0





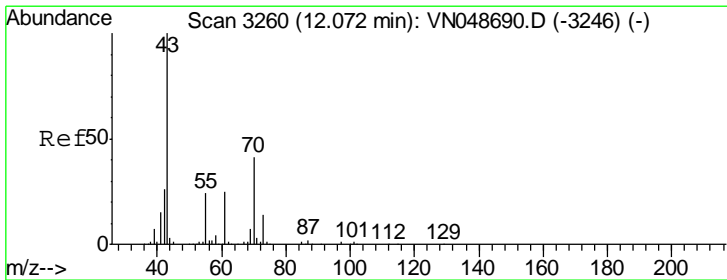
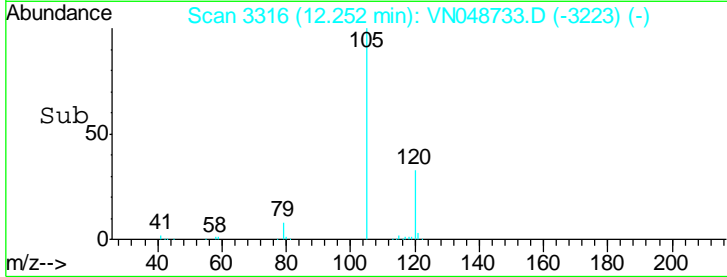
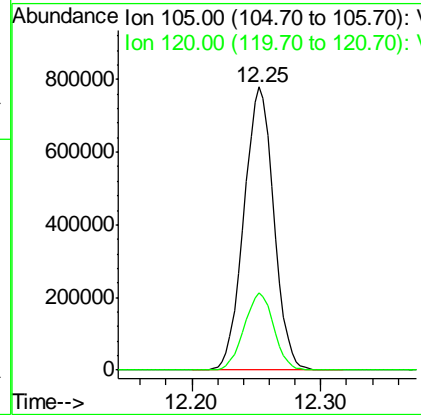
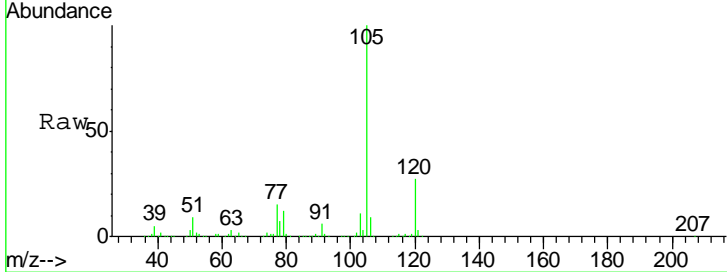
#73
 Isopropylbenzene
 Concen: 52.12 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 105 Resp: 1255303

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.9

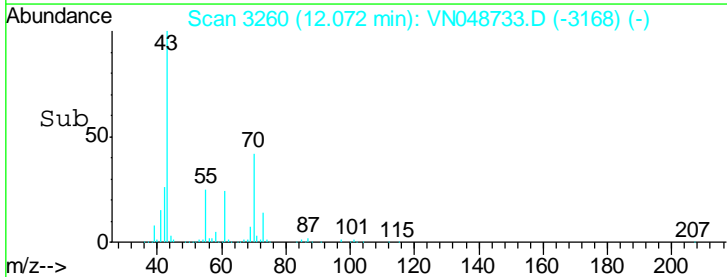
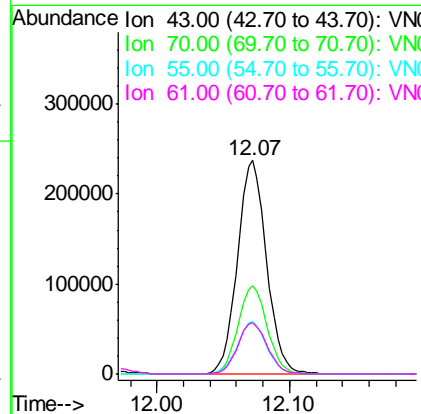
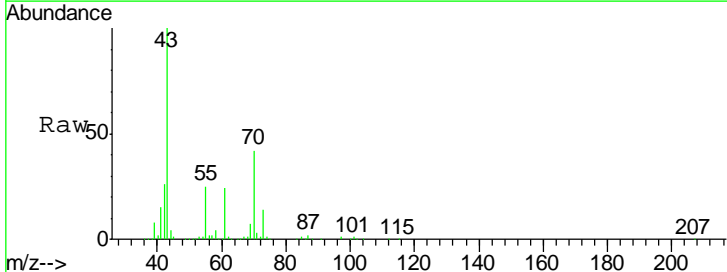
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:06:59 PM

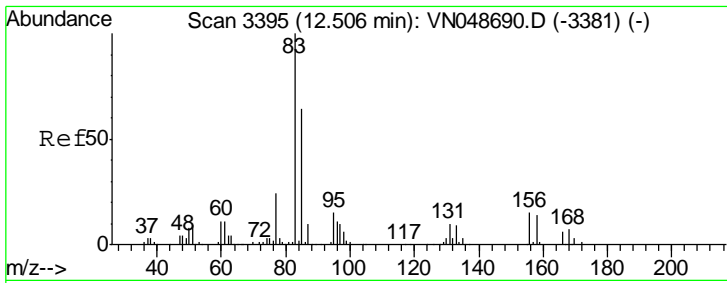


#74
 N-amyl acetate
 Concen: 50.66 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion: 43 Resp: 359335

Ion	Ratio	Lower	Upper
43	100		
70	42.0	33.7	50.5
55	24.8	19.3	28.9
61	24.5	19.4	29.2



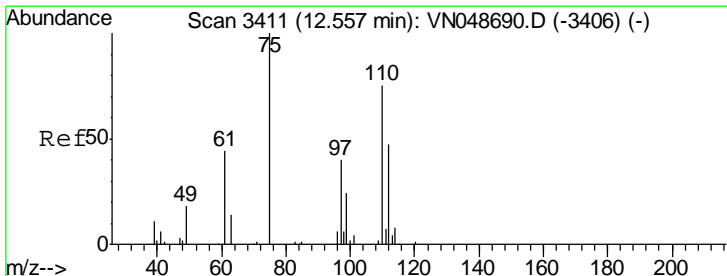
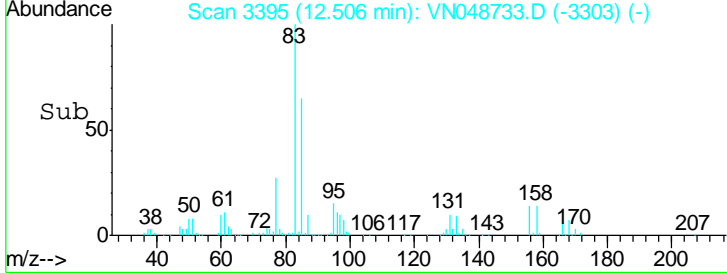
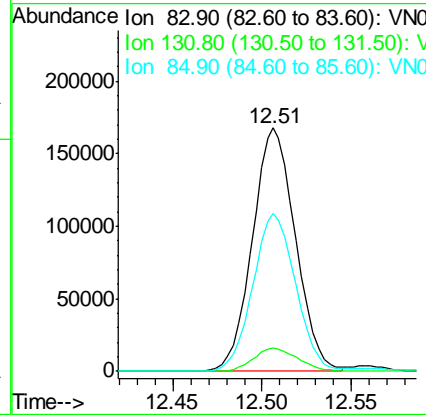
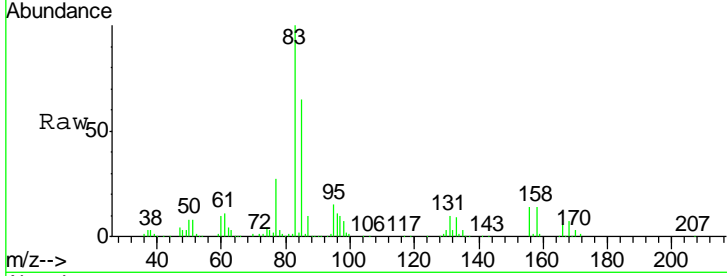


#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.62 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 Client Sampled : VSTDC050

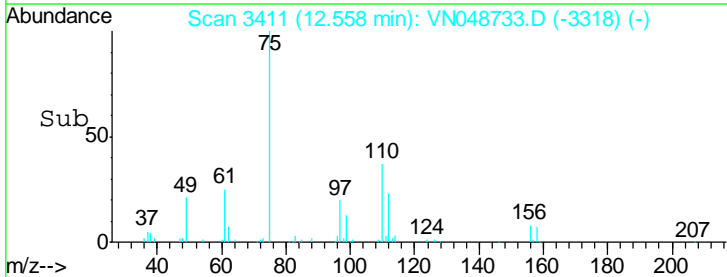
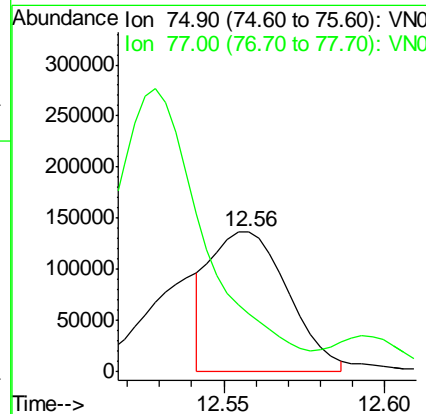
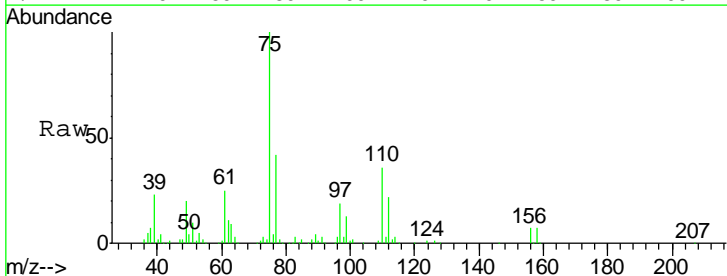
Tgt Ion	Resp	Lower	Upper
83	100		
131	10.1	5.3	15.8
85	64.5	32.4	97.0

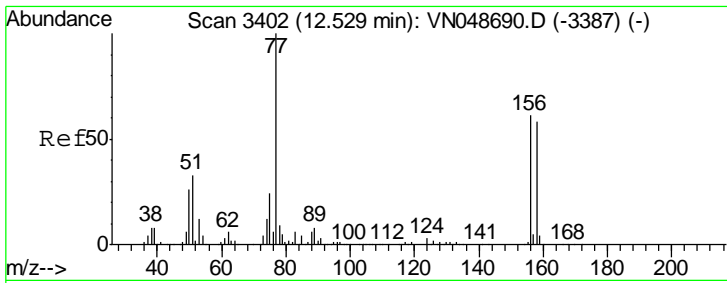
Manual Integrations APPROVED
 MMDadoda
 5/31/2018 3:06:59 PM



#76
 1,2,3-Trichloropropane
 Concen: 49.23 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0



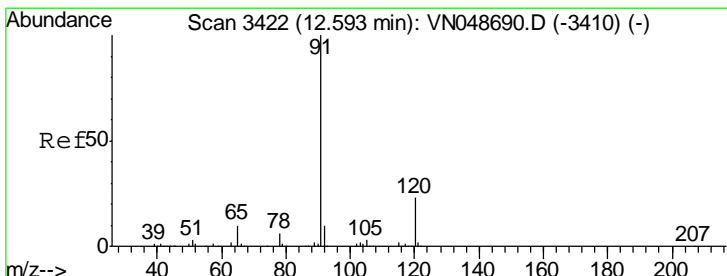
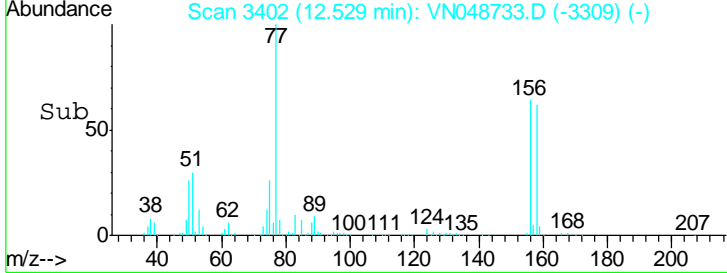
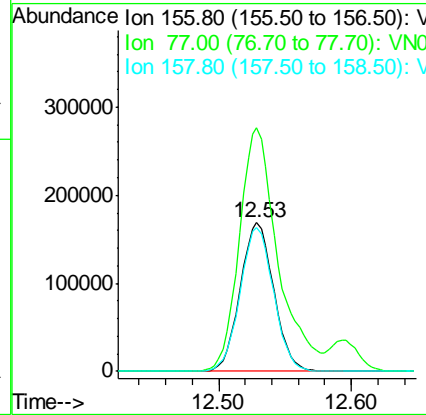
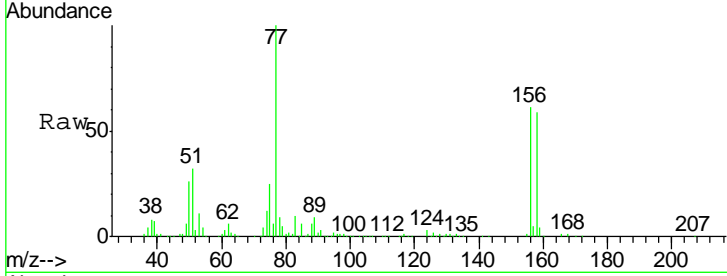


#77
 Bromobenzene
 Concen: 50.44 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

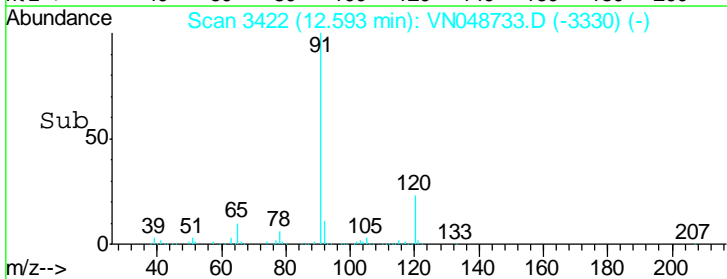
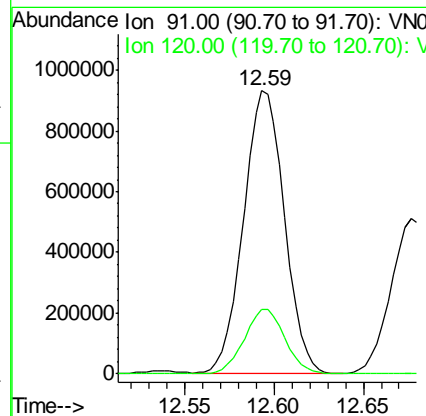
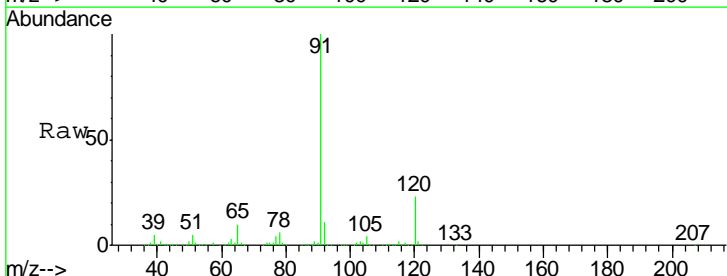
Tgt Ion	Resp	Lower	Upper
156	295441		
77	188.4	93.3	280.1
158	97.0	48.9	146.6

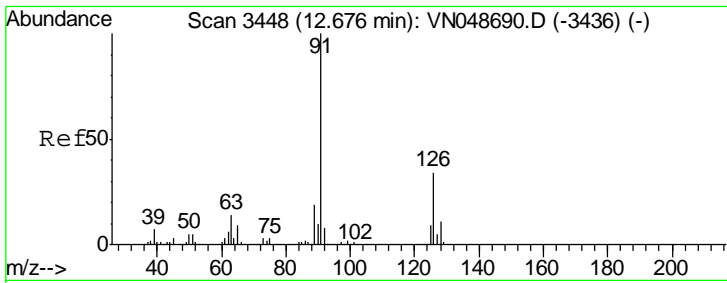
Manual Integrations
APPROVED
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 5/31/2018 3:06:59 PM



#78
 n-propylbenzene
 Concen: 53.63 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
91	1483548		
120	22.7	11.7	35.1



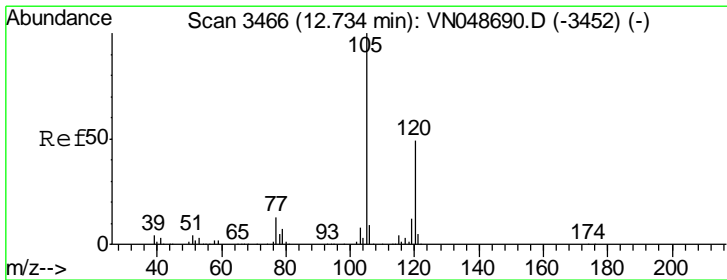
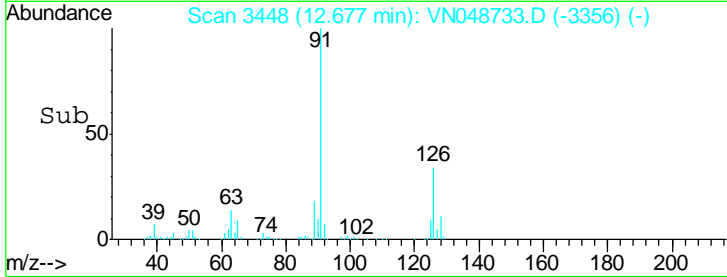
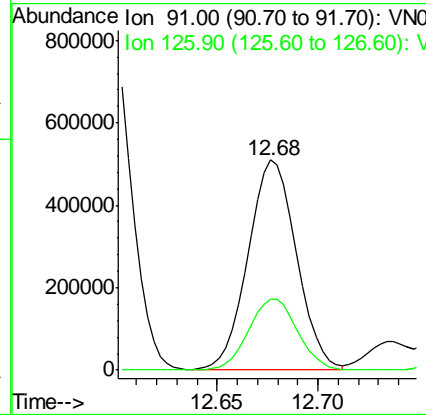
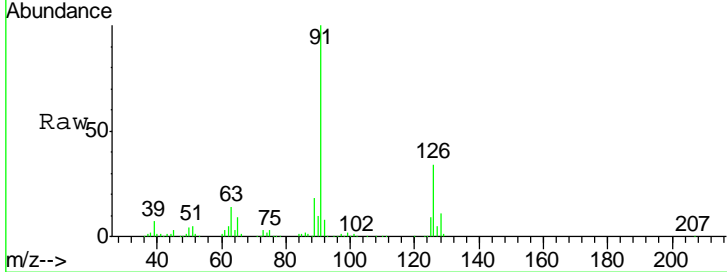


#79
 2-Chlorotoluene
 Concen: 51.44 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

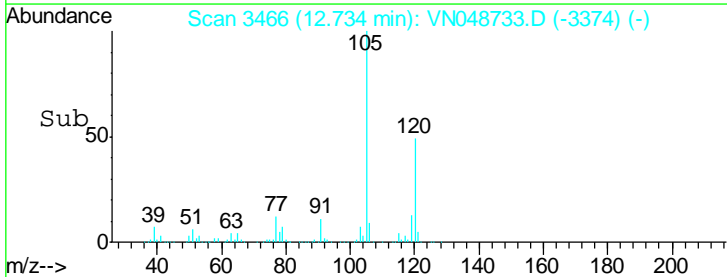
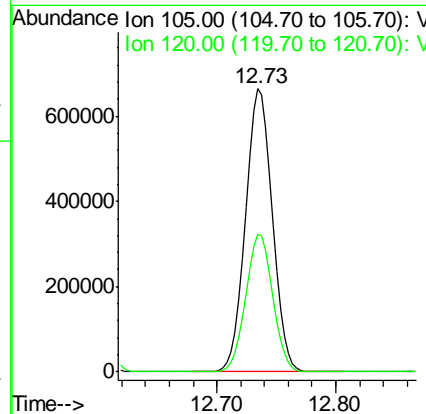
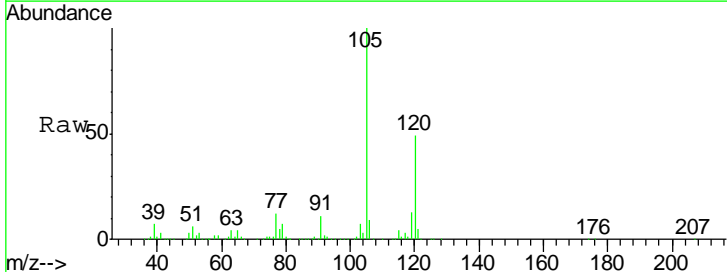
Tgt Ion	Resp	Lower	Upper
91	100		
126	34.6	17.5	52.5

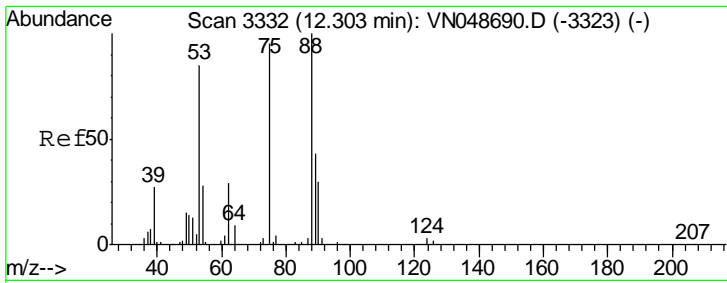
Manual Integrations
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 5/31/2018 3:06:59 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.28 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
105	100		
120	48.9	24.3	72.9





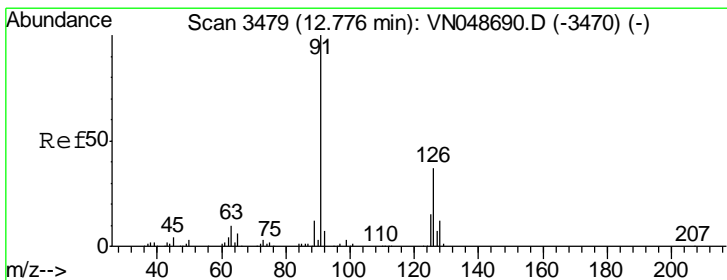
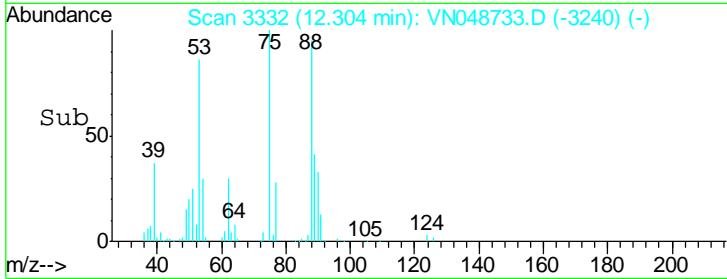
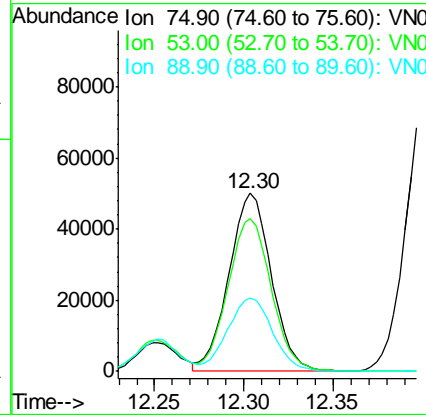
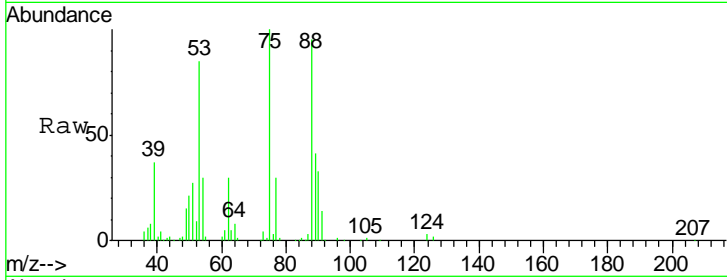
#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.17 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
75	82843		
75	100		
53	87.8	72.0	108.0
89	43.5	35.2	52.8

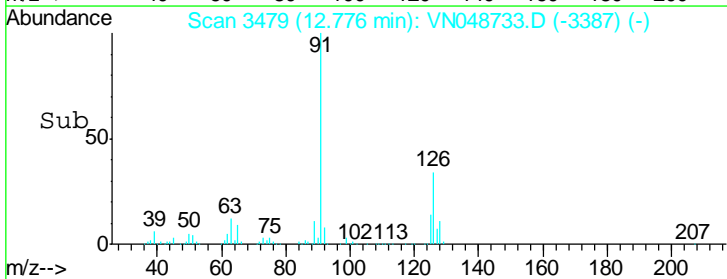
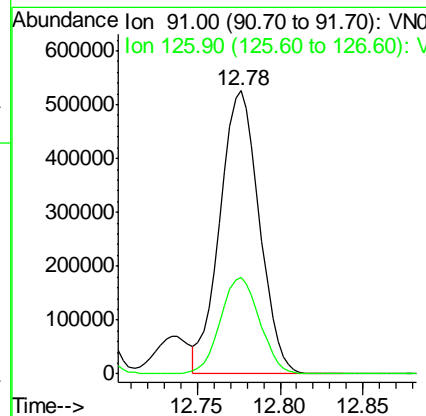
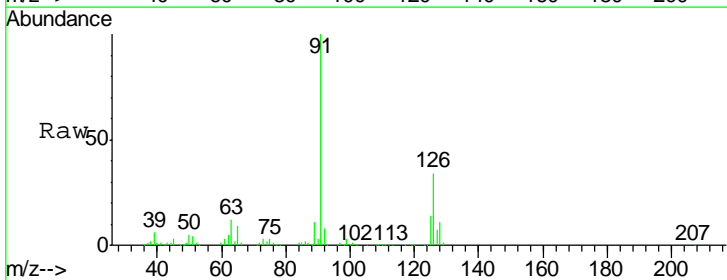
Manual Integrations
 APPROVED

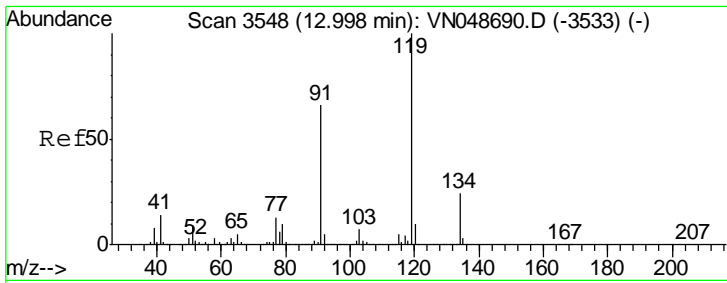
MMDadoda
 5/31/2018 3:06:59 PM



#82
 4-Chlorotoluene
 Concen: 52.61 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
91	866960		
91	100		
126	34.0	17.2	51.6



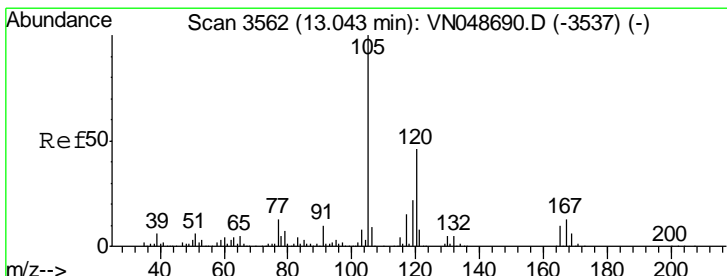
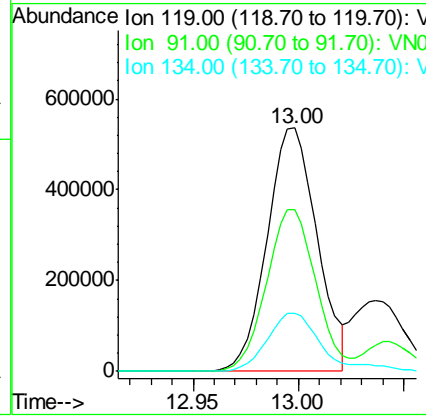
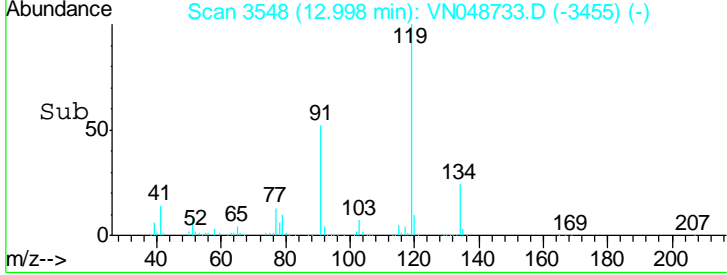
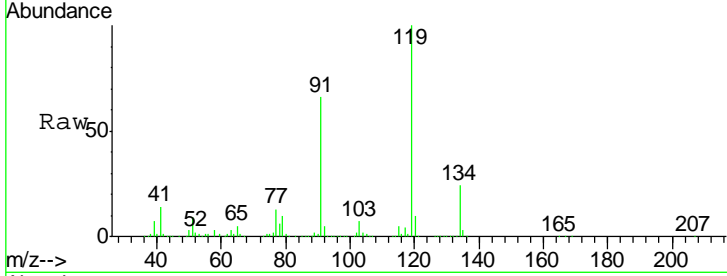


#83
 tert-Butylbenzene
 Concen: 51.39 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

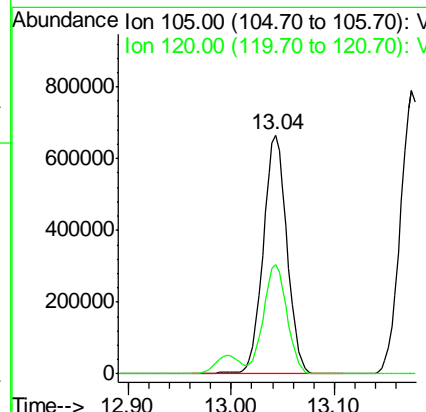
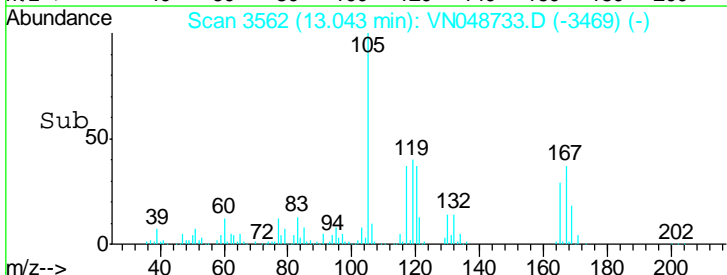
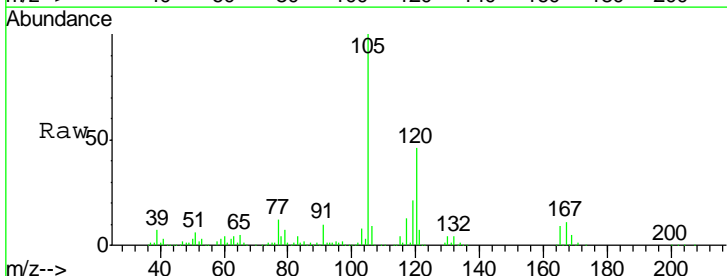
Tgt Ion	Resp	Lower	Upper
119	887180		
91	65.4	32.2	96.6
134	26.1	13.3	39.9

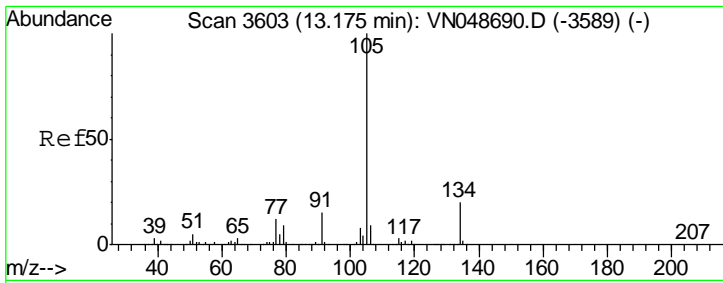
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.22 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
105	1057512		
120	45.5	22.7	68.0





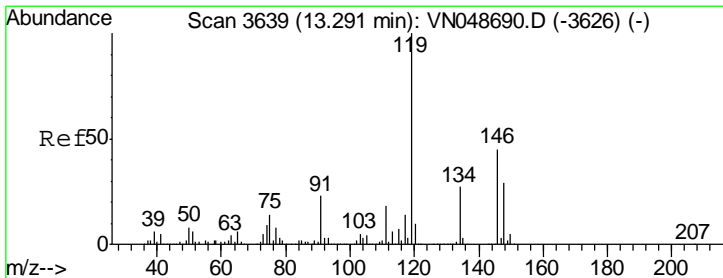
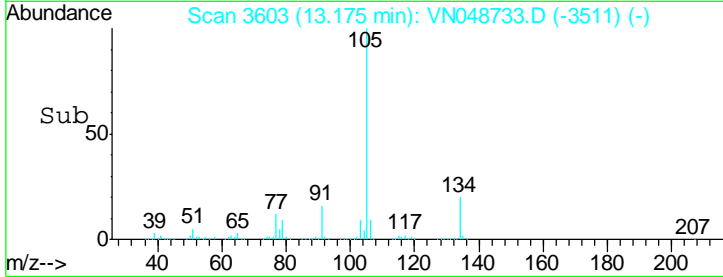
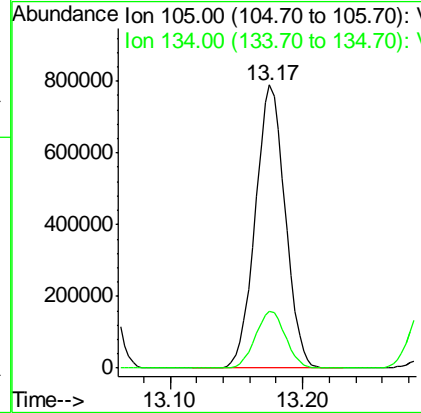
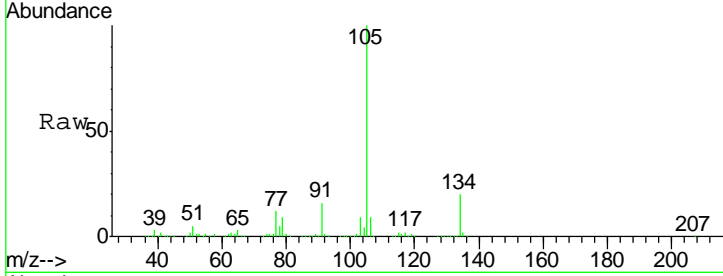
#85
 sec-Butylbenzene
 Concen: 53.81 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDC050

Tgt Ion	Resp	Lower	Upper
105	1232253		
134	20.2	10.1	30.3

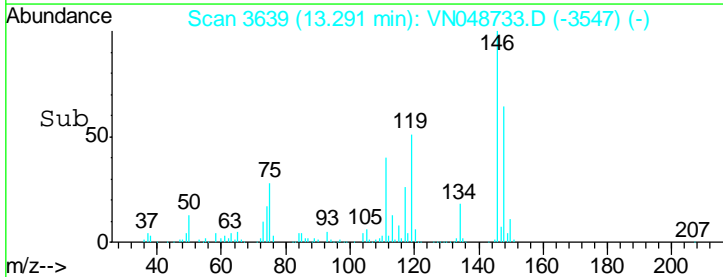
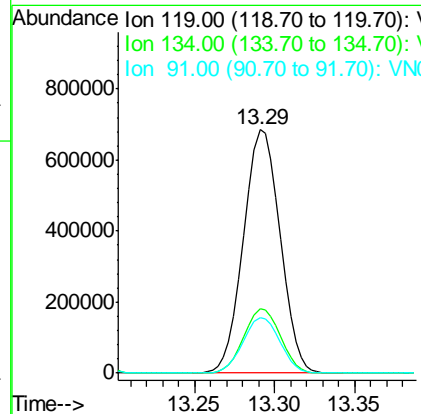
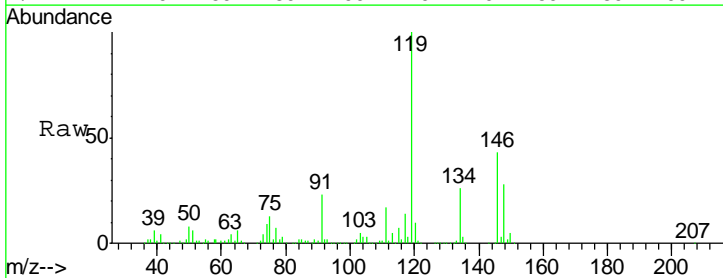
Manual Integrations
 APPROVED

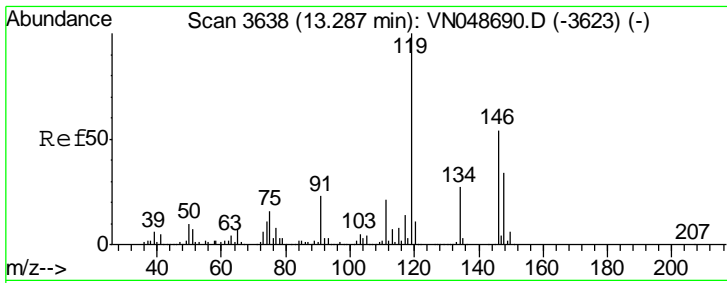
MMDadoda
 5/31/2018 3:06:59 PM



#86
 p-Isopropyltoluene
 Concen: 54.66 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

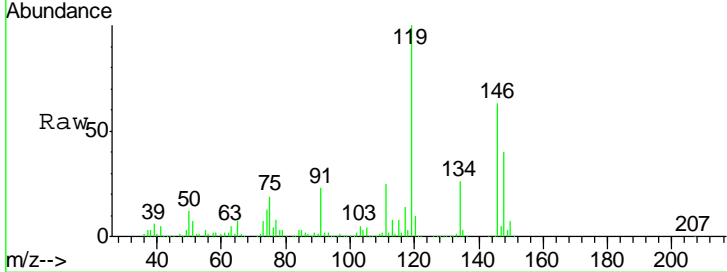
Tgt Ion	Resp	Lower	Upper
119	1067534		
134	26.4	13.5	40.4
91	23.0	11.4	34.2





#87
 1,3-Dichlorobenzene
 Concen: 51.56 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

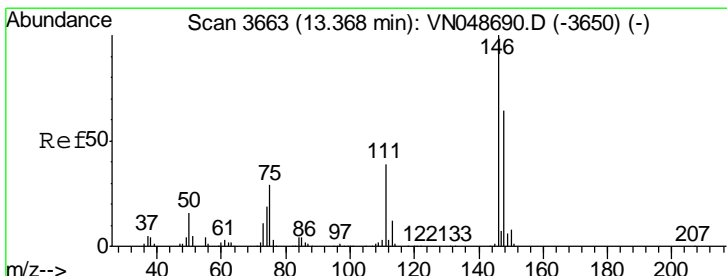
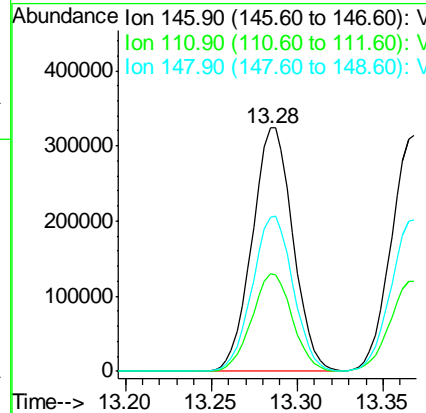
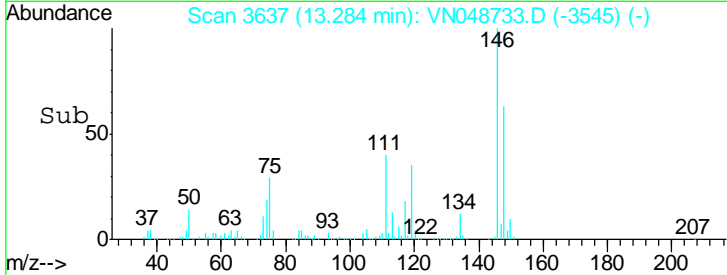
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



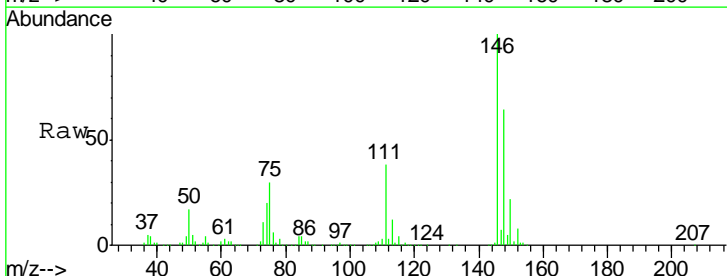
Tgt Ion:146 Resp: 532347

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.3	57.9
148	63.8	32.1	96.5

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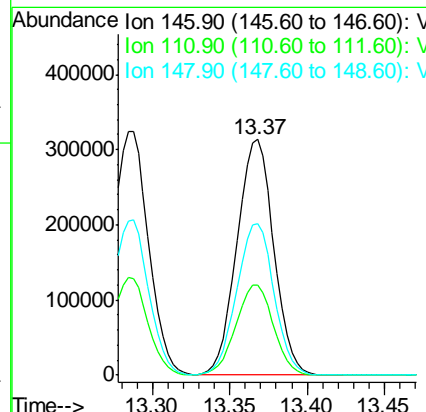
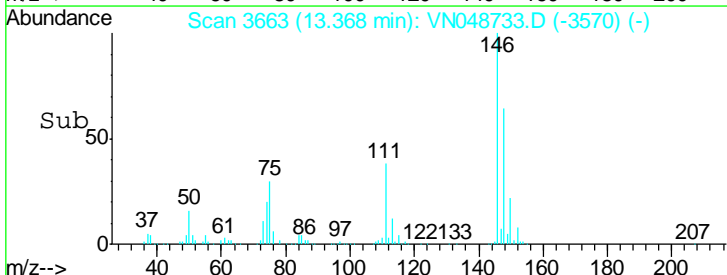


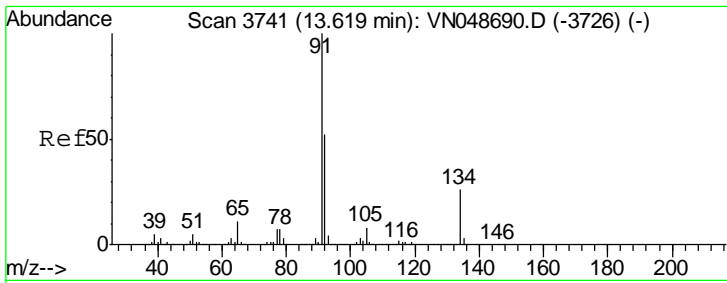
#88
 1,4-Dichlorobenzene
 Concen: 51.70 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00



Tgt Ion:146 Resp: 517967

Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.9	56.5
148	65.1	32.2	96.6





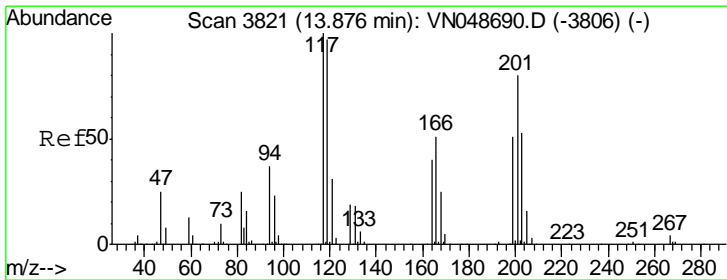
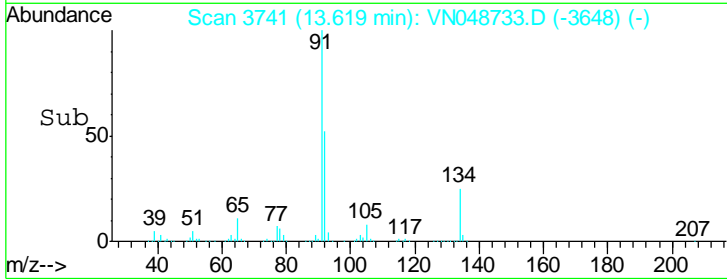
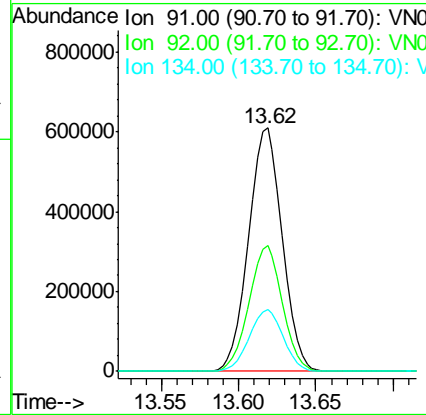
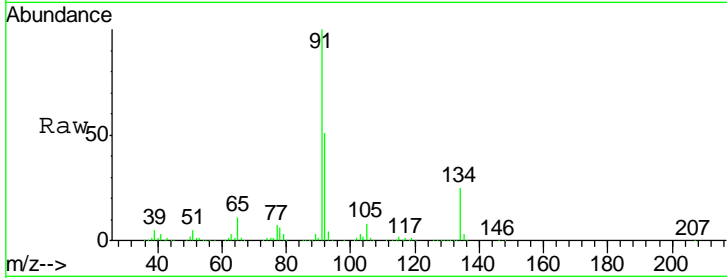
#89
 n-Butylbenzene
 Concen: 56.36 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
91	100		
92	51.0	26.3	78.9
134	25.4	13.5	40.4

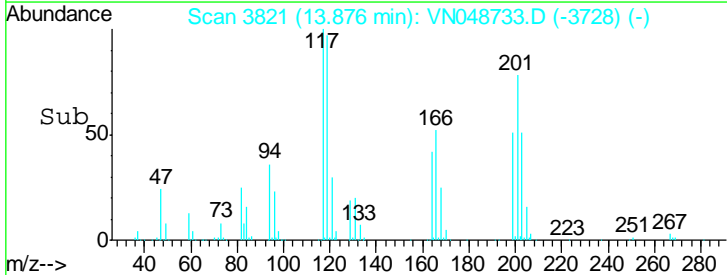
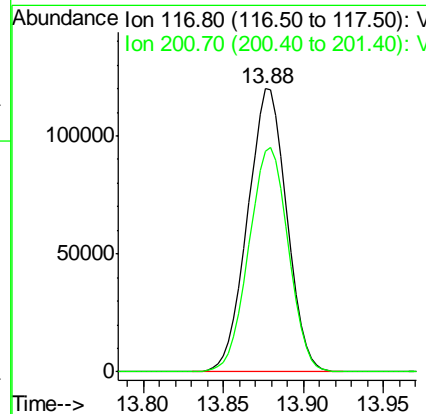
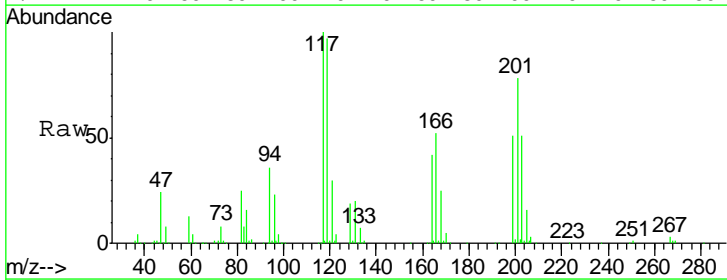
Manual Integrations
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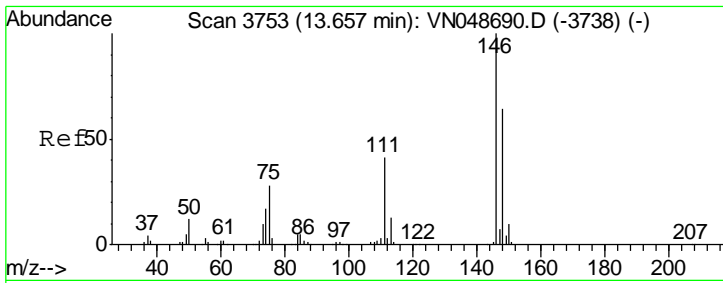
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 5/31/2018 3:06:59 PM



#90
 Hexachloroethane
 Concen: 48.11 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
117	100		
201	80.1	44.6	134.0



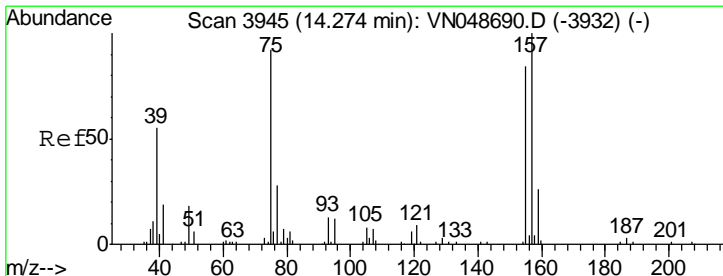
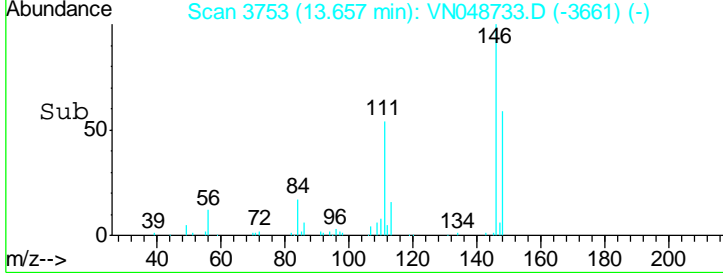
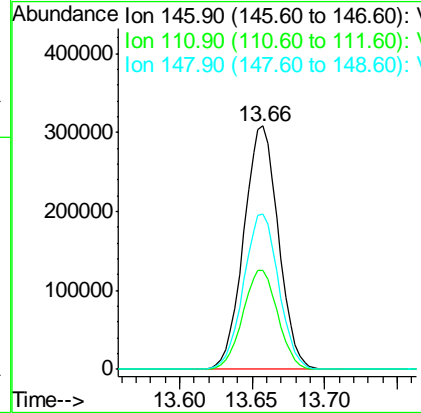
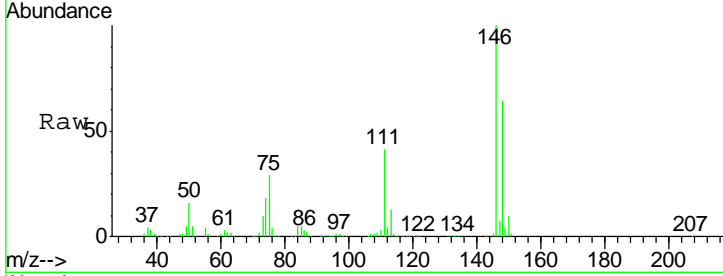


#91
 1,2-Dichlorobenzene
 Concen: 50.66 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

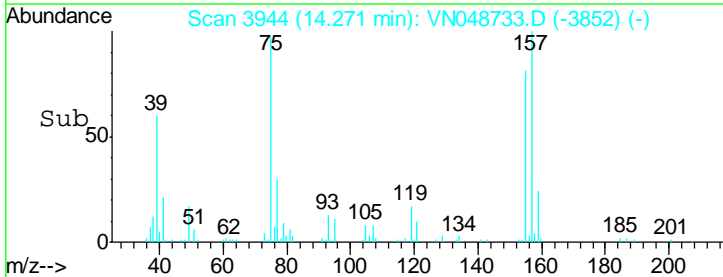
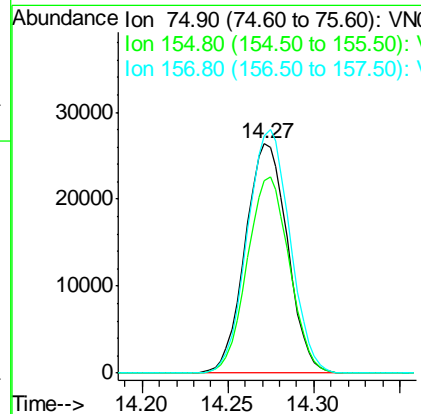
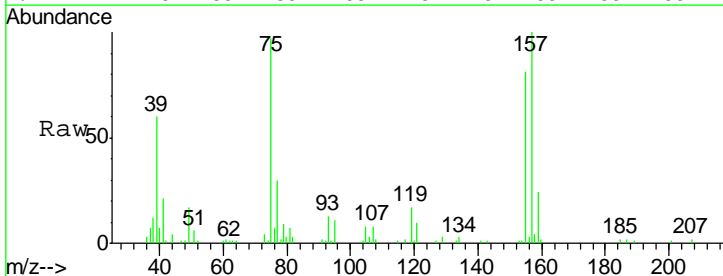
Tgt Ion	Resp	Lower	Upper
146	511423		
111	41.2	19.9	59.6
148	64.8	32.0	96.0

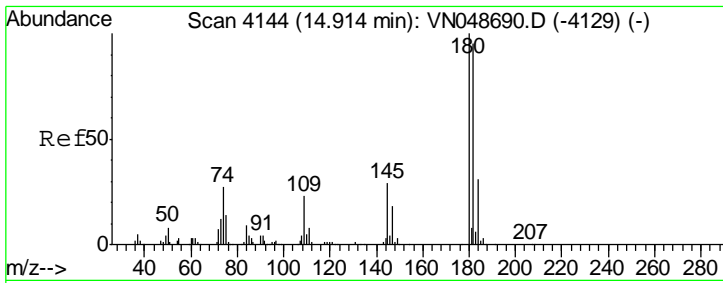
Manual Integrations
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 5/31/2018 3:06:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.22 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

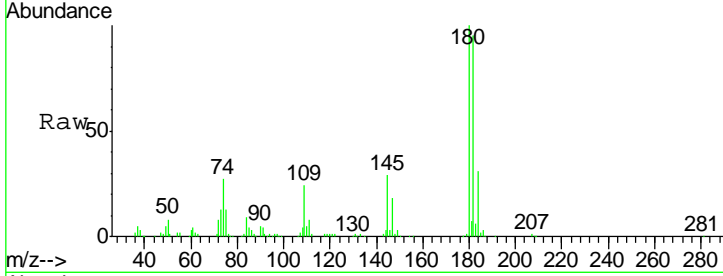
Tgt Ion	Resp	Lower	Upper
75	45088		
155	85.1	47.1	141.4
157	106.9	60.9	182.6





#93
 1,2,4-Trichlorobenzene
 Concen: 48.91 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

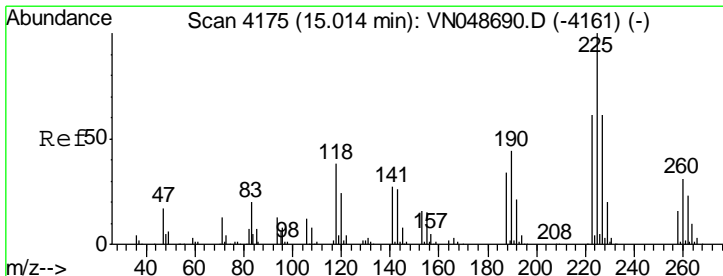
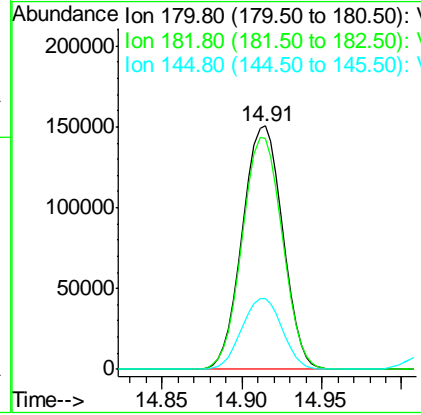
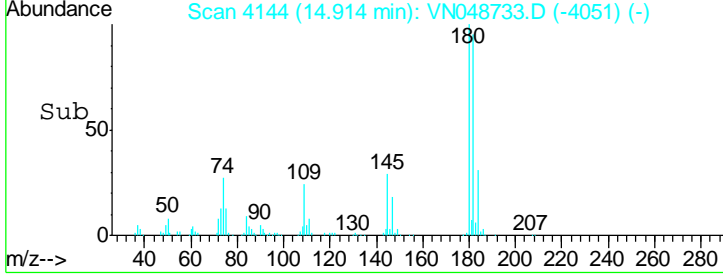
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



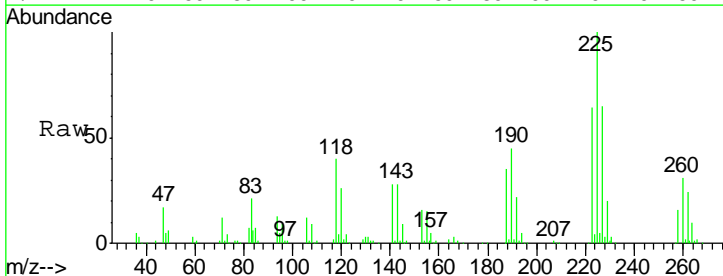
Tgt Ion:180 Resp: 258485

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	29.2	14.6	43.8

Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:06:59 PM

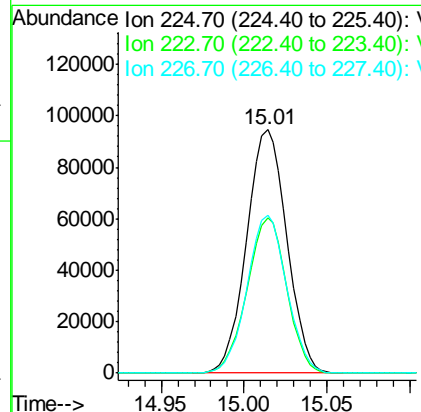
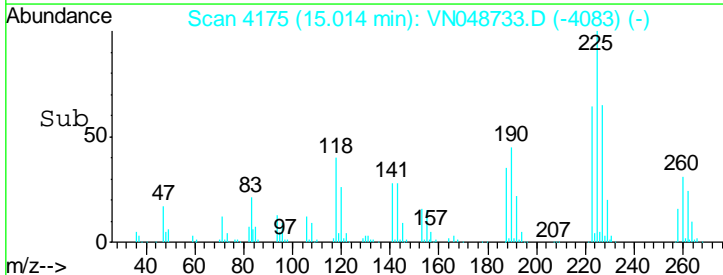


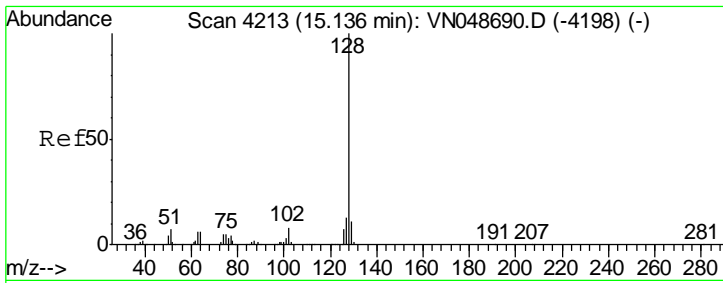
#94
 Hexachlorobutadiene
 Concen: 49.13 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00



Tgt Ion:225 Resp: 159422

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.3	93.8
227	63.8	31.9	95.5



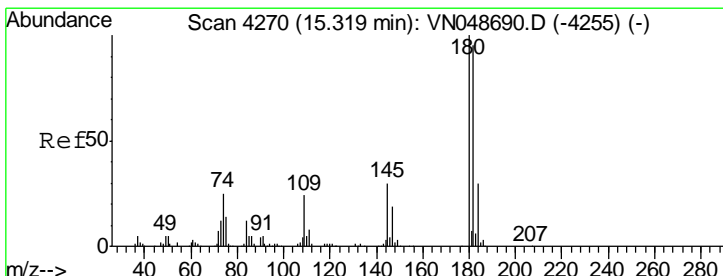
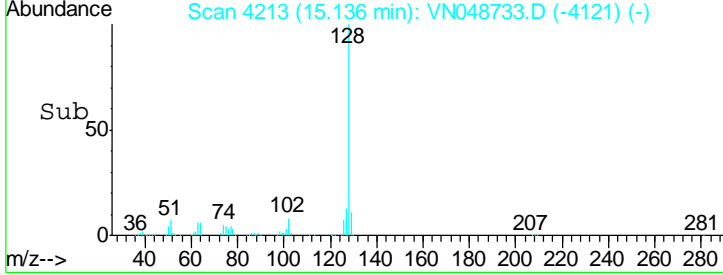
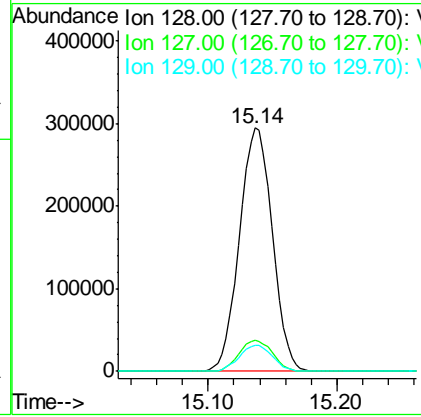
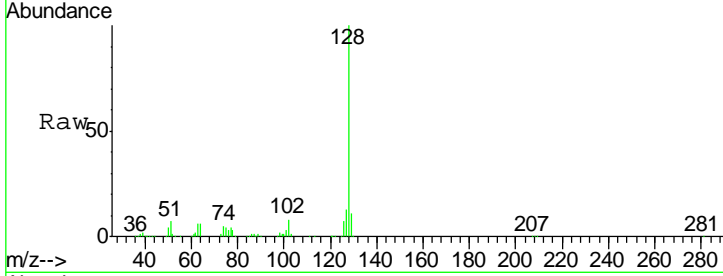


#95
 Naphthalene
 Concen: 45.56 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Instrument : MSVOA_N
 Client Sampled : VSTDC050

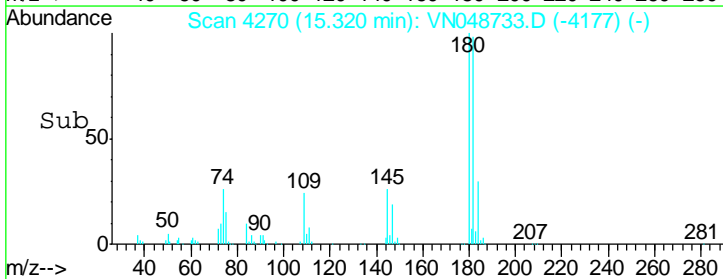
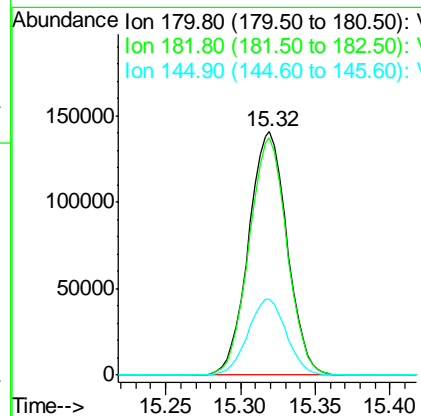
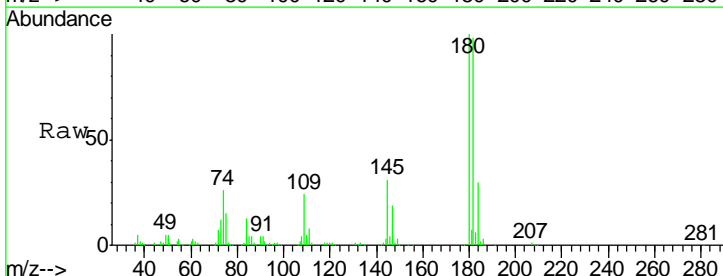
Tgt Ion	Resp	Lower	Upper
128	523602		
127	12.9	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations APPROVED
 MMDadoda
 5/31/2018 3:06:59 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 49.23 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: VN048733.D
 Acq: 30 May 2018 11:00

Tgt Ion	Resp	Lower	Upper
180	252278		
182	95.9	48.4	145.0
145	31.3	15.3	45.9



Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048733.D
 Acq On : 30 May 2018 11:00
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 01:57:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	111	0.00
2 T	Dichlorodifluoromethane	0.661	0.600	9.2	111	0.00
3 P	Chloromethane	0.964	0.821	14.8	109	0.00
4 C	Vinyl Chloride	0.791	0.797	-0.8#	116	0.00
5 T	Bromomethane	0.410	0.427	-4.1	114	0.01
6 T	Chloroethane	0.448	0.469	-4.7	120	0.00
7 T	Trichlorofluoromethane	1.066	1.076	-0.9	116	0.00
8 T	Diethyl Ether	0.395	0.406	-2.8	115	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.684	0.705	-3.1	119	0.00
10 T	Methyl Iodide	0.946	0.968	-2.3	112	0.00
11 T	Tert butyl alcohol	0.050	0.047	6.0	111	-0.02
12 CM	1,1-Dichloroethene	0.652	0.648	0.6#	113	0.00
13 T	Acrolein	0.071	0.068	4.2	98	0.00
14 T	Allyl chloride	1.220	1.202	1.5	112	0.00
15 T	Acrylonitrile	0.236	0.242	-2.5	111	0.00
16 T	Acetone	0.204	0.200	2.0	123	0.00
17 T	Carbon Disulfide	2.133	2.036	4.5	111	0.00
18 T	Methyl Acetate	0.603	0.546	9.5	116	0.00
19 T	Methyl tert-butyl Ether	1.784	1.818	-1.9	113	0.00
20 T	Methylene Chloride	0.781	0.748	4.2	113	0.00
21 T	trans-1,2-Dichloroethene	0.696	0.699	-0.4	113	0.00
22 T	Diisopropyl ether	2.328	2.368	-1.7	112	0.00
23 T	Vinyl Acetate	1.582	1.637	-3.5	112	0.00
24 P	1,1-Dichloroethane	1.372	1.365	0.5	112	0.00
25 T	2-Butanone	0.277	0.282	-1.8	115	0.00
26 T	2,2-Dichloropropane	1.142	1.139	0.3	114	0.00
27 T	cis-1,2-Dichloroethene	0.785	0.791	-0.8	113	0.00
28 T	Bromochloromethane	0.534	0.658	-23.2#	111	0.00
29 T	Tetrahydrofuran	0.186	0.184	1.1	110	0.00
30 C	Chloroform	1.319	1.327	-0.6#	113	0.00
31 T	Cyclohexane	1.419	1.287	9.3	116	0.00
32 T	1,1,1-Trichloroethane	1.149	1.151	-0.2	111	0.00
33 S	1,2-Dichloroethane-d4	0.727	0.686	5.6	111	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	110	0.00
35 S	Dibromofluoromethane	0.423	0.432	-2.1	112	0.00
36 T	1,1-Dichloropropene	0.691	0.715	-3.5	114	0.00
37 T	Ethyl Acetate	0.414	0.432	-4.3	115	0.00
38 T	Carbon Tetrachloride	0.706	0.706	0.0	111	0.00
39 T	Methylcyclohexane	0.751	0.817	-8.8	118	0.00
40 TM	Benzene	2.016	2.082	-3.3	113	0.00
41 T	Methacrylonitrile	0.229	0.228	0.4	110	0.00
42 TM	1,2-Dichloroethane	0.629	0.627	0.3	110	0.00
43 T	Isopropyl Acetate	0.763	0.779	-2.1	109	0.00
44 TM	Trichloroethene	0.519	0.552	-6.4	115	0.00
45 C	1,2-Dichloropropane	0.549	0.566	-3.1#	112	0.00

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048733.D
 Acq On : 30 May 2018 11:00
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 01:57:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.308	0.316	-2.6	113	0.00
47 T	Bromodichloromethane	0.689	0.698	-1.3	113	0.00
48 T	Methyl methacrylate	0.369	0.372	-0.8	111	0.00
49 T	1,4-Dioxane	0.004	0.005	-25.0#	115	0.00
50 S	Toluene-d8	1.565	1.586	-1.3	113	0.00
51 T	4-Methyl-2-Pentanone	0.402	0.414	-3.0	112	0.00
52 CM	Toluene	1.190	1.251	-5.1#	113	0.00
53 T	t-1,3-Dichloropropene	0.692	0.729	-5.3	113	0.00
54 T	cis-1,3-Dichloropropene	0.805	0.845	-5.0	112	0.00
55 T	1,1,2-Trichloroethane	0.427	0.446	-4.4	112	0.00
56 T	Ethyl methacrylate	0.541	0.595	-10.0	113	0.00
57 T	1,3-Dichloropropane	0.750	0.771	-2.8	112	0.00
58 T	2-Chloroethyl Vinyl ether	0.192	0.208	-8.3	108	0.00
59 T	2-Hexanone	0.265	0.277	-4.5	113	0.00
60 T	Dibromochloromethane	0.501	0.517	-3.2	112	0.00
61 T	1,2-Dibromoethane	0.422	0.429	-1.7	114	0.00
62 S	4-Bromofluorobenzene	0.540	0.546	-1.1	113	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64 T	Tetrachloroethene	0.506	0.540	-6.7	120	0.00
65 PM	Chlorobenzene	1.464	1.512	-3.3	112	0.00
66 T	1,1,1,2-Tetrachloroethane	0.551	0.564	-2.4	112	0.00
67 C	Ethyl Benzene	2.535	2.720	-7.3#	116	0.00
68 T	m/p-Xylenes	0.956	1.033	-8.1	113	0.00
69 T	o-Xylene	0.922	0.994	-7.8	112	0.00
70 T	Styrene	1.449	1.601	-10.5	114	0.00
71 P	Bromoform	0.356	0.369	-3.7	112	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73 T	Isopropylbenzene	4.471	4.660	-4.2	114	0.00
74 T	N-amyl acetate	1.317	1.334	-1.3	108	0.00
75 P	1,1,2,2-Tetrachloroethane	1.101	1.049	4.7	110	0.00
76 T	1,2,3-Trichloropropane	0.863	0.850	1.5	110	0.00
77 T	Bromobenzene	1.087	1.097	-0.9	112	0.00
78 T	n-propylbenzene	5.134	5.507	-7.3	115	0.00
79 T	2-Chlorotoluene	3.079	3.168	-2.9	113	0.00
80 T	1,3,5-Trimethylbenzene	3.603	3.840	-6.6	114	0.00
81 T	trans-1,4-Dichloro-2-butene	0.313	0.308	1.6	111	0.00
82 T	4-Chlorotoluene	3.059	3.218	-5.2	114	0.00
83 T	tert-Butylbenzene	3.204	3.293	-2.8	113	0.00
84 T	1,2,4-Trimethylbenzene	3.620	3.926	-8.5	114	0.00
85 T	sec-Butylbenzene	4.250	4.574	-7.6	115	0.00
86 T	p-Isopropyltoluene	3.625	3.963	-9.3	115	0.00
87 T	1,3-Dichlorobenzene	1.916	1.976	-3.1	112	0.00
88 T	1,4-Dichlorobenzene	1.860	1.923	-3.4	112	0.00
89 T	n-Butylbenzene	3.046	3.433	-12.7	117	0.00

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048733.D
 Acq On : 30 May 2018 11:00
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 01:57:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.777	0.747	3.9	111	0.00
91 T	1,2-Dichlorobenzene	1.874	1.898	-1.3	110	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.163	0.167	-2.5	111	0.00
93 T	1,2,4-Trichlorobenzene	0.830	0.960	-15.7	111	0.00
94 T	Hexachlorobutadiene	0.602	0.592	1.7	111	0.00
95 T	Naphthalene	1.776	1.944	-9.5	107	0.00
96 T	1,2,3-Trichlorobenzene	0.852	0.936	-9.9	108	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048733.D
 Acq On : 30 May 2018 11:00
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 01:57:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	111	0.00
2 T	Dichlorodifluoromethane	50.000	50.231	-0.5	111	0.00
3 P	Chloromethane	50.000	48.884	2.2	109	0.00
4 C	Vinyl Chloride	50.000	50.409	-0.8#	116	0.00
5 T	Bromomethane	50.000	52.067	-4.1	114	0.01
6 T	Chloroethane	50.000	52.384	-4.8	120	0.00
7 T	Trichlorofluoromethane	50.000	50.442	-0.9	116	0.00
8 T	Diethyl Ether	50.000	51.470	-2.9	115	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.591	-3.2	119	0.00
10 T	Methyl Iodide	50.000	51.177	-2.4	112	0.00
11 T	Tert butyl alcohol	250.000	233.353	6.7	111	-0.02
12 CM	1,1-Dichloroethene	50.000	49.637	0.7#	113	0.00
13 T	Acrolein	250.000	224.824	10.1	98	0.00
14 T	Allyl chloride	50.000	49.267	1.5	112	0.00
15 T	Acrylonitrile	250.000	256.298	-2.5	111	0.00
16 T	Acetone	250.000	281.025	-12.4	123	0.00
17 T	Carbon Disulfide	50.000	47.722	4.6	111	0.00
18 T	Methyl Acetate	50.000	51.455	-2.9	116	0.00
19 T	Methyl tert-butyl Ether	50.000	50.951	-1.9	113	0.00
20 T	Methylene Chloride	50.000	47.878	4.2	113	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.225	-0.5	113	0.00
22 T	Diisopropyl ether	50.000	50.878	-1.8	112	0.00
23 T	Vinyl Acetate	250.000	258.690	-3.5	112	0.00
24 P	1,1-Dichloroethane	50.000	49.751	0.5	112	0.00
25 T	2-Butanone	250.000	254.345	-1.7	115	0.00
26 T	2,2-Dichloropropane	50.000	49.863	0.3	114	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.343	-0.7	113	0.00
28 T	Bromochloromethane	50.000	52.822	-5.6	111	0.00
29 T	Tetrahydrofuran	250.000	247.695	0.9	110	0.00
30 C	Chloroform	50.000	50.301	-0.6#	113	0.00
31 T	Cyclohexane	50.000	51.771	-3.5	116	0.00
32 T	1,1,1-Trichloroethane	50.000	50.086	-0.2	111	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.173	5.7	111	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	110	0.00
35 S	Dibromofluoromethane	50.000	50.998	-2.0	112	0.00
36 T	1,1-Dichloropropene	50.000	51.745	-3.5	114	0.00
37 T	Ethyl Acetate	50.000	52.244	-4.5	115	0.00
38 T	Carbon Tetrachloride	50.000	50.004	-0.0	111	0.00
39 T	Methylcyclohexane	50.000	54.408	-8.8	118	0.00
40 TM	Benzene	50.000	51.644	-3.3	113	0.00
41 T	Methacrylonitrile	50.000	49.777	0.4	110	0.00
42 TM	1,2-Dichloroethane	50.000	49.847	0.3	110	0.00
43 T	Isopropyl Acetate	50.000	50.994	-2.0	109	0.00
44 TM	Trichloroethene	50.000	53.172	-6.3	115	0.00
45 C	1,2-Dichloropropane	50.000	51.562	-3.1#	112	0.00

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048733.D
 Acq On : 30 May 2018 11:00
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 01:57:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	51.271	-2.5	113	0.00
47 T	Bromodichloromethane	50.000	50.673	-1.3	113	0.00
48 T	Methyl methacrylate	50.000	50.439	-0.9	111	0.00
49 T	1,4-Dioxane	1000.000	999.561	0.0	115	0.00
50 S	Toluene-d8	50.000	50.653	-1.3	113	0.00
51 T	4-Methyl-2-Pentanone	250.000	257.335	-2.9	112	0.00
52 CM	Toluene	50.000	52.590	-5.2#	113	0.00
53 T	t-1,3-Dichloropropene	50.000	52.639	-5.3	113	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.490	-5.0	112	0.00
55 T	1,1,2-Trichloroethane	50.000	52.174	-4.3	112	0.00
56 T	Ethyl methacrylate	50.000	49.814	0.4	113	0.00
57 T	1,3-Dichloropropane	50.000	51.393	-2.8	112	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	234.127	6.3	108	0.00
59 T	2-Hexanone	250.000	261.219	-4.5	113	0.00
60 T	Dibromochloromethane	50.000	51.608	-3.2	112	0.00
61 T	1,2-Dibromoethane	50.000	50.868	-1.7	114	0.00
62 S	4-Bromofluorobenzene	50.000	50.528	-1.1	113	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64 T	Tetrachloroethene	50.000	53.352	-6.7	120	0.00
65 PM	Chlorobenzene	50.000	51.622	-3.2	112	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.163	-2.3	112	0.00
67 C	Ethyl Benzene	50.000	53.651	-7.3#	116	0.00
68 T	m/p-Xylenes	100.000	108.076	-8.1	113	0.00
69 T	o-Xylene	50.000	53.901	-7.8	112	0.00
70 T	Styrene	50.000	55.231	-10.5	114	0.00
71 P	Bromoform	50.000	51.725	-3.5	112	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73 T	Isopropylbenzene	50.000	52.116	-4.2	114	0.00
74 T	N-amyl acetate	50.000	50.660	-1.3	108	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.621	4.8	110	0.00
76 T	1,2,3-Trichloropropane	50.000	49.231	1.5	110	0.00
77 T	Bromobenzene	50.000	50.444	-0.9	112	0.00
78 T	n-propylbenzene	50.000	53.628	-7.3	115	0.00
79 T	2-Chlorotoluene	50.000	51.437	-2.9	113	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.281	-6.6	114	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.168	1.7	111	0.00
82 T	4-Chlorotoluene	50.000	52.607	-5.2	114	0.00
83 T	tert-Butylbenzene	50.000	51.389	-2.8	113	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.218	-8.4	114	0.00
85 T	sec-Butylbenzene	50.000	53.814	-7.6	115	0.00
86 T	p-Isopropyltoluene	50.000	54.659	-9.3	115	0.00
87 T	1,3-Dichlorobenzene	50.000	51.560	-3.1	112	0.00
88 T	1,4-Dichlorobenzene	50.000	51.699	-3.4	112	0.00
89 T	n-Butylbenzene	50.000	56.361	-12.7	117	0.00

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048733.D
 Acq On : 30 May 2018 11:00
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 01:57:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	48.112	3.8	111	0.00
91 T	1,2-Dichlorobenzene	50.000	50.656	-1.3	110	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.220	-2.4	111	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.911	2.2	111	0.00
94 T	Hexachlorobutadiene	50.000	49.130	1.7	111	0.00
95 T	Naphthalene	50.000	45.562	8.9	107	0.00
96 T	1,2,3-Trichlorobenzene	50.000	49.230	1.5	108	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG No.: J3131
 Instrument ID: MSVOA_N Calibration Date/Time: 05/30/2018 23:09
 Lab File ID: VN048758.D Init. Calib. Date(s): 05/29/2018 05/29/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:48 12:56
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.661	0.593		-10.29	20
Chloromethane	0.964	0.837	0.1	-13.17	20
Vinyl Chloride	0.791	0.799		1.01	20
Bromomethane	0.410	0.465		13.41	20
Chloroethane	0.448	0.473		5.58	20
Trichlorofluoromethane	1.066	1.074		0.75	20
1,1,2-Trichlorotrifluoroethane	0.684	0.688		0.58	20
1,1-Dichloroethene	0.652	0.648		-0.61	20
Acetone	0.204	0.172		-15.69	20
Carbon Disulfide	2.133	2.007		-5.91	20
Methyl tert-butyl Ether	1.784	1.812		1.57	20
Methyl Acetate	0.603	0.553		-8.29	20
Methylene Chloride	0.781	0.780		-0.13	20
trans-1,2-Dichloroethene	0.696	0.698		0.29	20
1,1-Dichloroethane	1.372	1.382	0.1	0.73	20
Cyclohexane	1.419	1.254		-11.63	20
2-Butanone	0.277	0.264		-4.69	20
Carbon Tetrachloride	0.706	0.704		-0.28	20
cis-1,2-Dichloroethene	0.785	0.797		1.53	20
Bromochloromethane	0.534	0.662		23.97	20
Chloroform	1.319	1.359		3.03	20
1,1,1-Trichloroethane	1.149	1.170		1.83	20
Methylcyclohexane	0.751	0.759		1.07	20
Benzene	2.016	2.084		3.37	20
1,2-Dichloroethane	0.629	0.638		1.43	20
Trichloroethene	0.519	0.532		2.51	20
1,2-Dichloropropane	0.549	0.569		3.64	20
Bromodichloromethane	0.689	0.702		1.89	20
4-Methyl-2-Pentanone	0.402	0.410		1.99	20
Toluene	1.190	1.241		4.29	20
t-1,3-Dichloropropene	0.692	0.682		-1.45	20
cis-1,3-Dichloropropene	0.805	0.814		1.12	20
1,1,2-Trichloroethane	0.427	0.445		4.22	20
2-Hexanone	0.265	0.256		-3.4	20
Dibromochloromethane	0.501	0.514		2.6	20
1,2-Dibromoethane	0.422	0.400		-5.21	20
Tetrachloroethene	0.506	0.583		15.22	20
Chlorobenzene	1.464	1.483	0.3	1.3	20
Ethyl Benzene	2.535	2.641		4.18	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG No.: J3131
 Instrument ID: MSVOA_N Calibration Date/Time: 05/30/2018 23:09
 Lab File ID: VN048758.D Init. Calib. Date(s): 05/29/2018 05/29/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:48 12:56
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.956	1.004		5.02	20
o-Xylene	0.922	0.982		6.51	20
Styrene	1.449	1.572		8.49	20
Bromoform	0.356	0.359	0.1	0.84	20
Isopropylbenzene	4.471	4.664		4.32	20
1,1,2,2-Tetrachloroethane	1.101	1.068	0.3	-3	20
1,3-Dichlorobenzene	1.916	1.955		2.04	20
1,4-Dichlorobenzene	1.860	1.898		2.04	20
1,2-Dichlorobenzene	1.874	1.915		2.19	20
1,2-Dibromo-3-Chloropropane	0.163	0.153		-6.14	20
1,2,4-Trichlorobenzene	0.830	0.843		1.57	20
1,2,3-Trichlorobenzene	0.852	0.848		-0.47	20
1,2-Dichloroethane-d4	0.727	0.694		-4.54	20
Dibromofluoromethane	0.423	0.427		0.95	20
Toluene-d8	1.565	1.564		-0.06	20
4-Bromofluorobenzene	0.540	0.529		-2.04	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048758.D
 Acq On : 30 May 2018 23:09
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:10 PM

Quant Time: May 31 04:23:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	316280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	473681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	426937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	239450	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	219595	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
35) Dibromofluoromethane	7.59	113	202494	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.09	98	740669	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	250689	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	187579	49.66	ug/l	99
3) Chloromethane	2.06	50	264716	49.83	ug/l	100
4) Vinyl Chloride	2.18	62	252576	50.51	ug/l	99
5) Bromomethane	2.56	94	147072	56.65	ug/l	95
6) Chloroethane	2.70	64	149616	52.81	ug/l	100
7) Trichlorofluoromethane	3.01	101	339535	50.35	ug/l	99
8) Diethyl Ether	3.41	74	127690	51.13	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	217493	50.29	ug/l	96
10) Methyl Iodide	3.95	142	301782	50.45	ug/l	97
11) Tert butyl alcohol	4.80	59	70845	223.03	ug/l	99
12) 1,1-Dichloroethene	3.73	96	205066	49.69	ug/l	95
13) Acrolein	3.61	56	94907	200.94	ug/l	97
14) Allyl chloride	4.32	41	373636	48.42	ug/l	98
15) Acrylonitrile	4.99	53	385276	258.06	ug/l	100
16) Acetone	3.82	43	272249	240.18	ug/l	100
17) Carbon Disulfide	4.05	76	634845	47.05	ug/l	99
18) Methyl Acetate	4.33	43	175048	52.13	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	573152	50.78	ug/l	96
20) Methylene Chloride	4.55	84	246564	49.91	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	220903	50.17	ug/l	100
22) Diisopropyl ether	5.96	45	768189	52.17	ug/l	98
23) Vinyl Acetate	5.90	43	2543539	254.15	ug/l	99
24) 1,1-Dichloroethane	5.85	63	437018	50.36	ug/l	99
25) 2-Butanone	6.84	43	418233	238.47	ug/l	99
26) 2,2-Dichloropropane	6.82	77	309483	42.84	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	252225	50.78	ug/l	99
28) Bromochloromethane	7.19	49	209413	53.18	ug/l	91
29) Tetrahydrofuran	7.21	42	285751	243.31	ug/l	97
30) Chloroform	7.37	83	429729	51.49	ug/l	99
31) Cyclohexane	7.65	56	396520	50.40	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	370037	50.91	ug/l	99
36) 1,1-Dichloropropene	7.79	75	327923	50.09	ug/l	98
37) Ethyl Acetate	6.93	43	198658	50.67	ug/l	99
38) Carbon Tetrachloride	7.77	117	333293	49.84	ug/l	98

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048758.D
 Acq On : 30 May 2018 23:09
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:10 PM

Quant Time: May 31 04:23:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	359725	50.55	ug/l	99
40) Benzene	8.04	78	987379	51.70	ug/l	99
41) Methacrylonitrile	7.18	41	109442	50.45	ug/l	99
42) 1,2-Dichloroethane	8.13	62	302169	50.68	ug/l	100
43) Isopropyl Acetate	8.17	43	368708	50.99	ug/l #	89
44) Trichloroethene	8.84	130	251999	51.27	ug/l	96
45) 1,2-Dichloropropane	9.12	63	269702	51.88	ug/l	97
46) Dibromomethane	9.21	93	149624	51.33	ug/l	93
47) Bromodichloromethane	9.41	83	332310	50.95	ug/l	98
48) Methyl methacrylate	9.20	41	171968	49.22	ug/l	97
49) 1,4-Dioxane	9.20	88	41040	952.24	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	970639	254.78	ug/l	100
52) Toluene	10.16	92	587945	52.16	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	322879	49.24	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	385391	50.53	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	210684	52.05	ug/l	97
56) Ethyl methacrylate	10.43	69	271114	47.94	ug/l	98
57) 1,3-Dichloropropane	10.71	76	361234	50.82	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	467491	222.26	ug/l	97
59) 2-Hexanone	10.75	43	606991	241.67	ug/l	99
60) Dibromochloromethane	10.90	129	243262	51.26	ug/l	100
61) 1,2-Dibromoethane	11.01	107	189400	47.40	ug/l	99
64) Tetrachloroethene	10.63	164	249109	57.63	ug/l	96
65) Chlorobenzene	11.44	112	633317	50.65	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	241289	51.27	ug/l	99
67) Ethyl Benzene	11.51	91	1127591	52.09	ug/l	99
68) m/p-Xylenes	11.62	106	857316	105.05	ug/l	100
69) o-Xylene	11.95	106	419097	53.25	ug/l	99
70) Styrene	11.97	104	671076	54.23	ug/l	100
71) Bromoform	12.13	173	153273	50.36	ug/l #	97
73) Isopropylbenzene	12.25	105	1116688	52.16	ug/l	100
74) N-amyl acetate	12.07	43	321339	50.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	255708	48.50	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	187697m	45.39	ug/l	
77) Bromobenzene	12.53	156	260783	50.09	ug/l	99
78) n-propylbenzene	12.59	91	1291847	52.54	ug/l	99
79) 2-Chlorotoluene	12.68	91	758335	51.42	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	909353	52.69	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	66622	44.48	ug/l	98
82) 4-Chlorotoluene	12.78	91	762380	52.05	ug/l	99
83) tert-Butylbenzene	13.00	119	779375	50.79	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	927362	53.49	ug/l	100
85) sec-Butylbenzene	13.17	105	1063130	52.23	ug/l	100
86) p-Isopropyltoluene	13.29	119	912973	52.59	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	468226	51.02	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	454457	51.03	ug/l	100
89) n-Butylbenzene	13.62	91	757745	51.95	ug/l	97
90) Hexachloroethane	13.88	117	177192	47.64	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	458473	51.09	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36581	46.75	ug/l	96

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048758.D
 Acq On : 30 May 2018 23:09
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED
 MMDadoda
 5/31/2018 3:07:10 PM

Quant Time: May 31 04:23:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	201942	43.38	ug/l	99
94) Hexachlorobutadiene	15.01	225	128531	44.56	ug/l	100
95) Naphthalene	15.14	128	423119	41.80	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	203138	44.79	ug/l	99

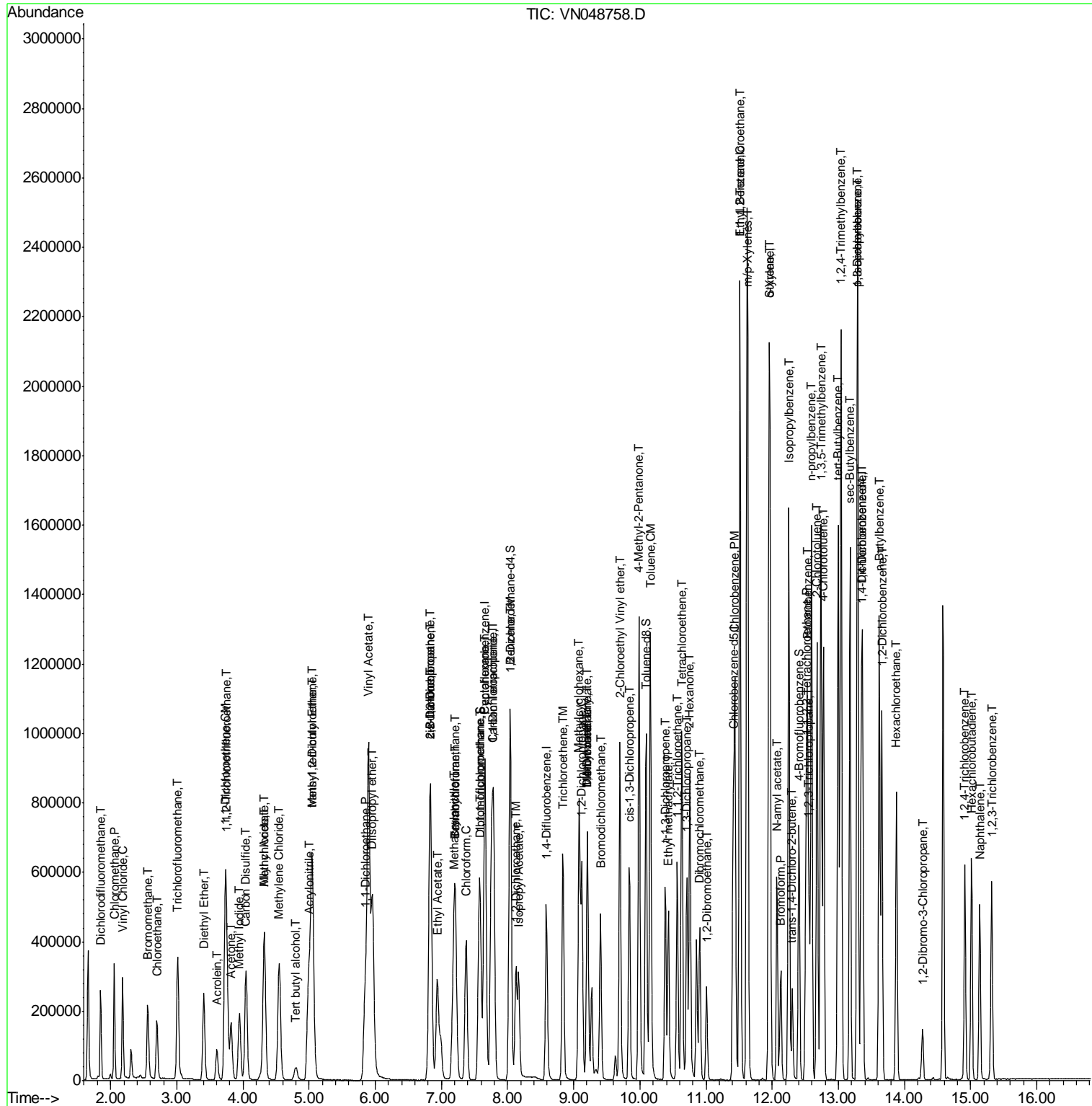
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048758.D
 Acq On : 30 May 2018 23:09
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

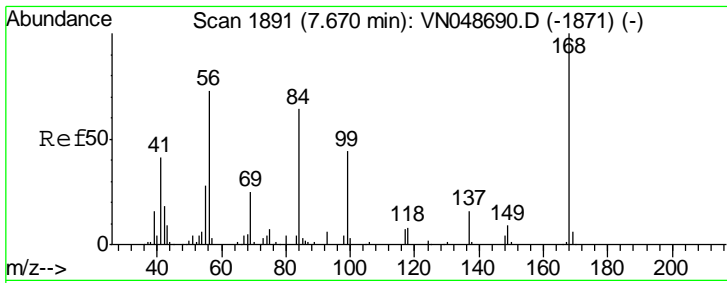
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050

Quant Time: May 31 04:23:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

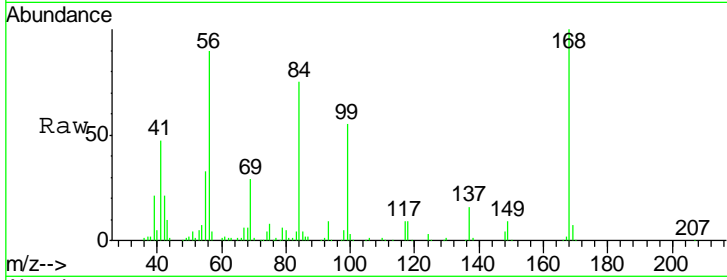
Manual Integrations
 APPROVED
 MMDadoda
 5/31/2018 3:07:10 PM



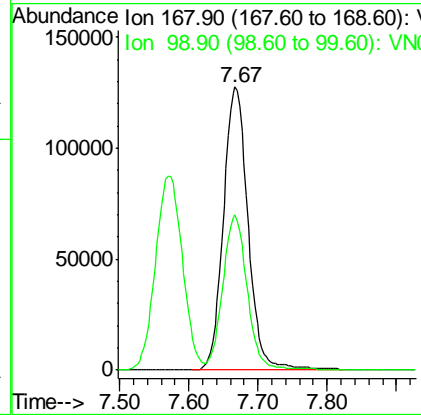
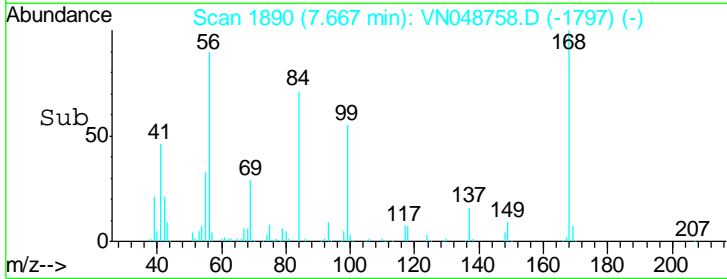
- 1
- 2
- 3
- 4
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- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

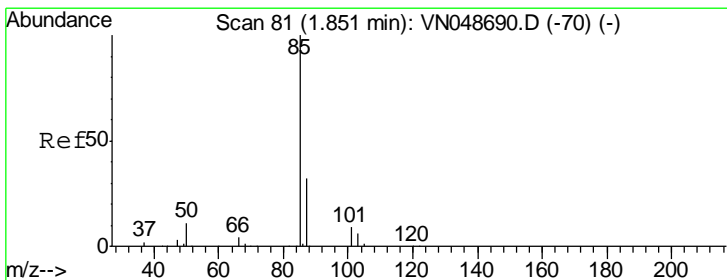


Tgt Ion: 168 Resp: 316280
 Ion Ratio Lower Upper
 168 100
 99 54.4 40.8 61.2

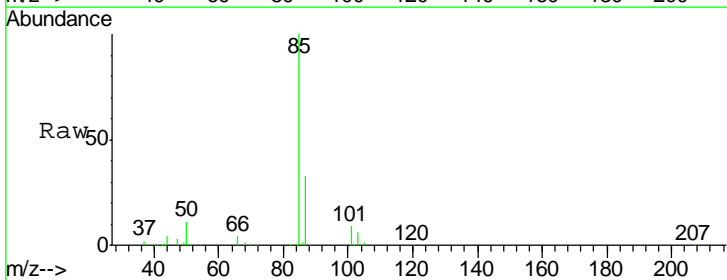


Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

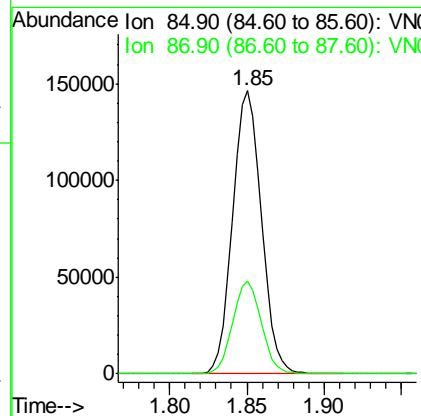
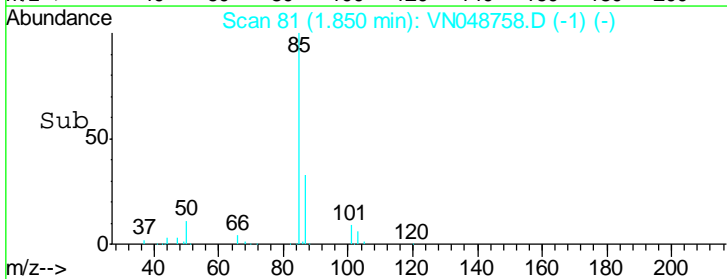
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:07:10 PM

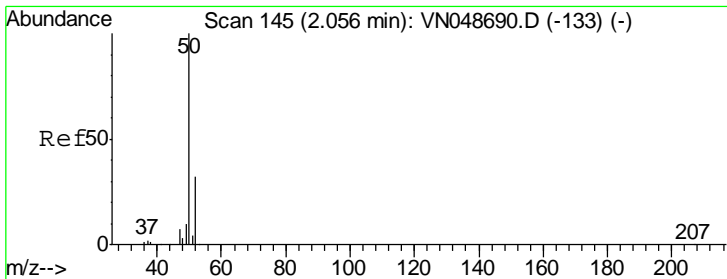


#2
 Dichlorodifluoromethane
 Concen: 49.66 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09



Tgt Ion: 85 Resp: 187579
 Ion Ratio Lower Upper
 85 100
 87 32.6 15.9 47.7



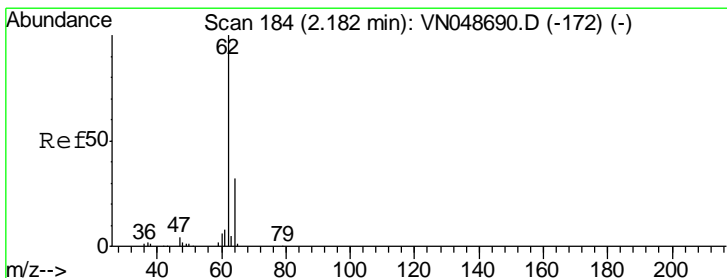
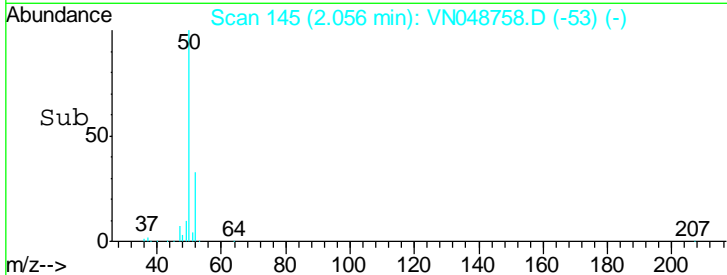
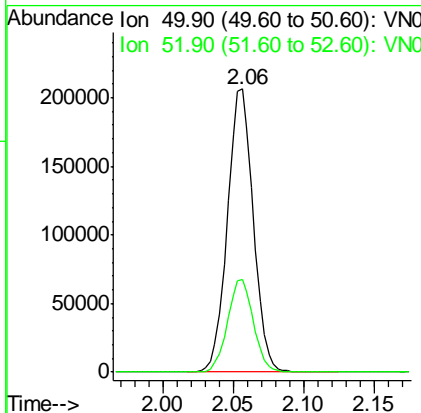
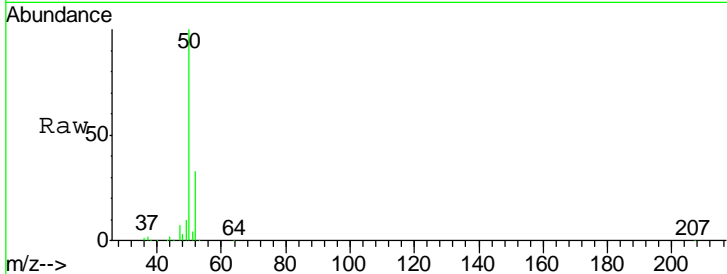


#3
 Chloromethane
 Concen: 49.83 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
50	264716		
52	32.7	26.0	39.0

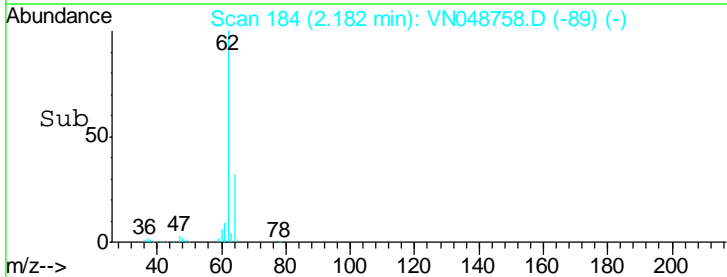
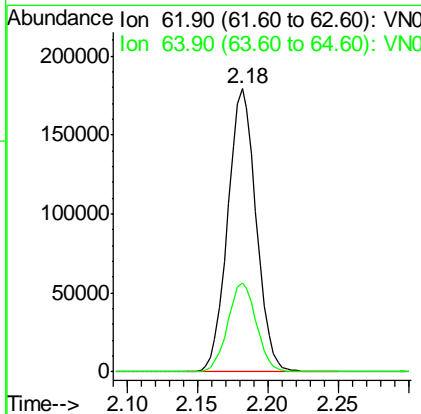
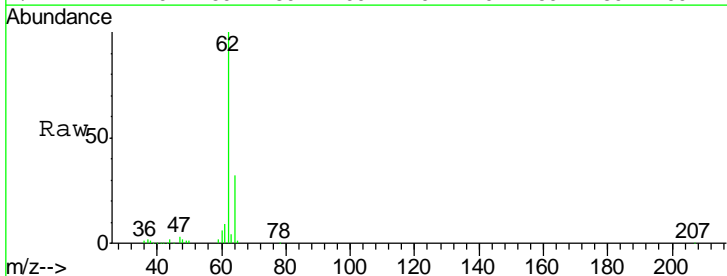
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

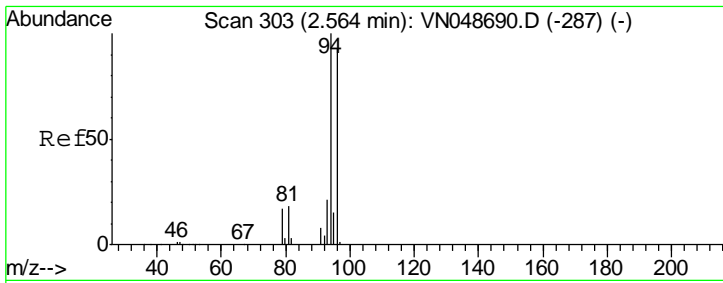
Manual Integrations APPROVED
 MMDadoda
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#4
 Vinyl Chloride
 Concen: 50.51 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
62	252576		
64	31.5	25.6	38.4



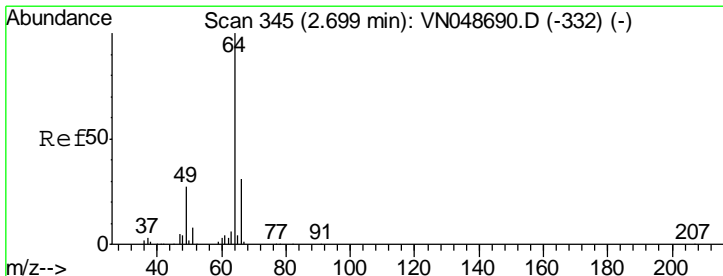
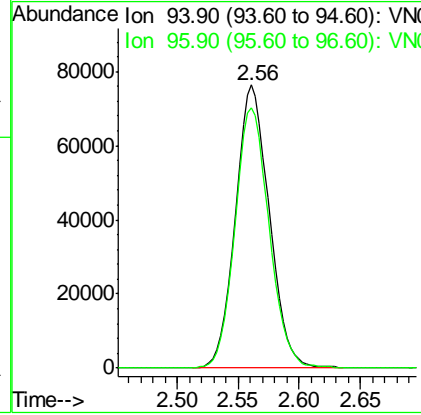
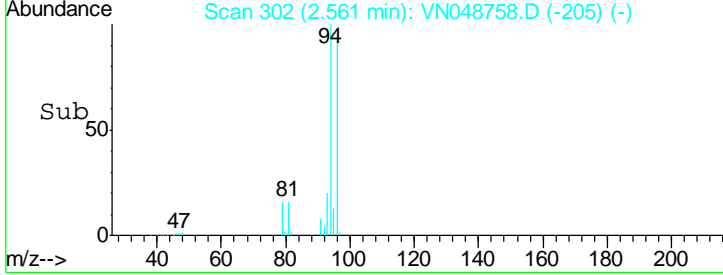
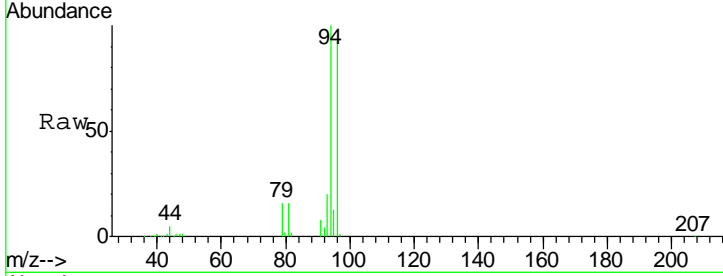


#5
 Bromomethane
 Concen: 56.65 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
94	147072		
96	92.2	78.0	117.0

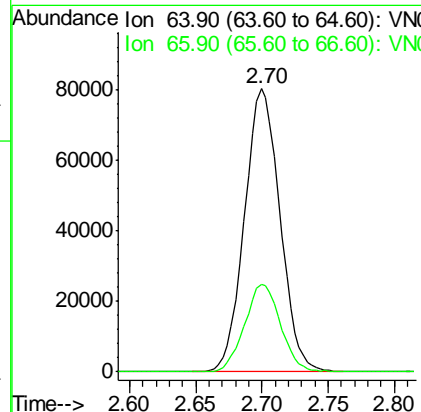
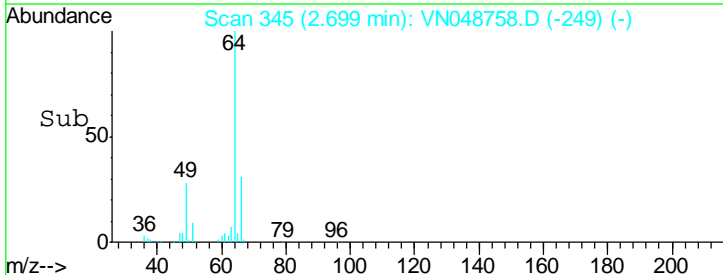
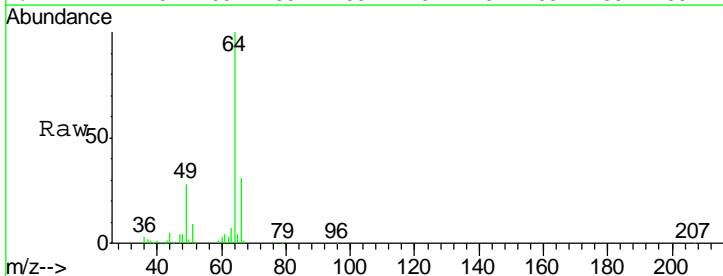
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

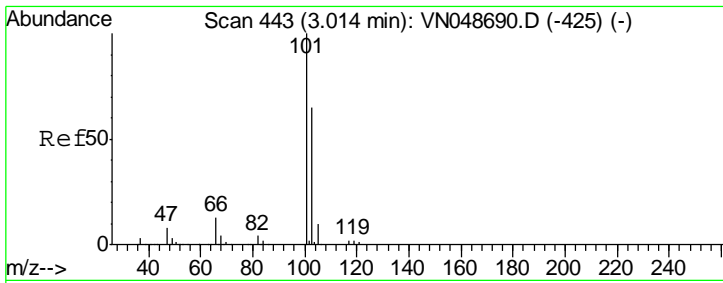
Manual Integrations APPROVED
 MMDadoda
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#6
 Chloroethane
 Concen: 52.81 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
64	149616		
66	31.0	24.8	37.2



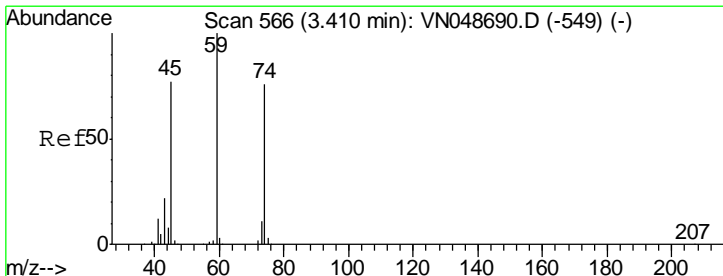
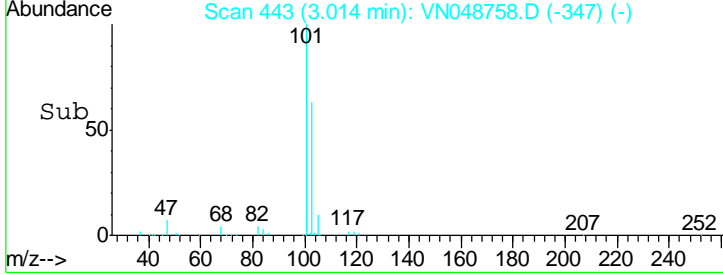
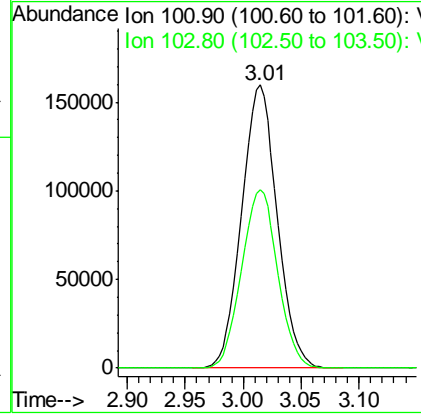
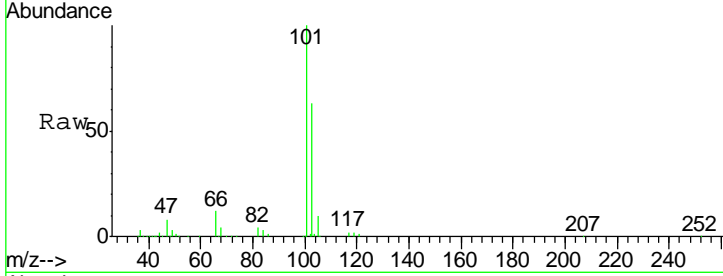


#7
 Trichlorofluoromethane
 Concen: 50.35 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
101	339535		
101	100		
103	62.9	50.8	76.2

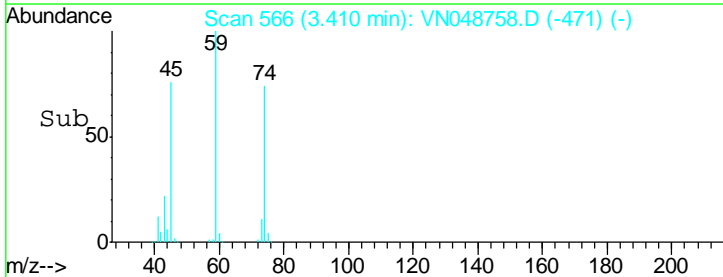
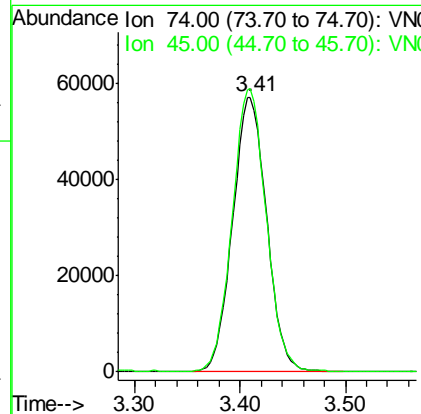
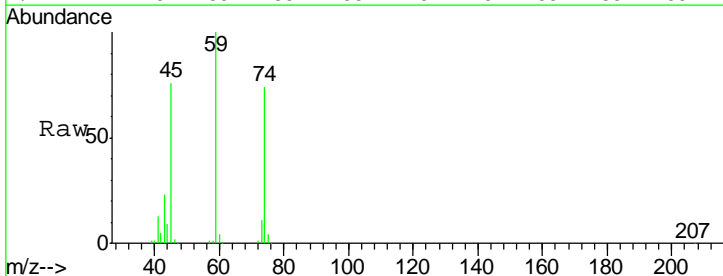
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

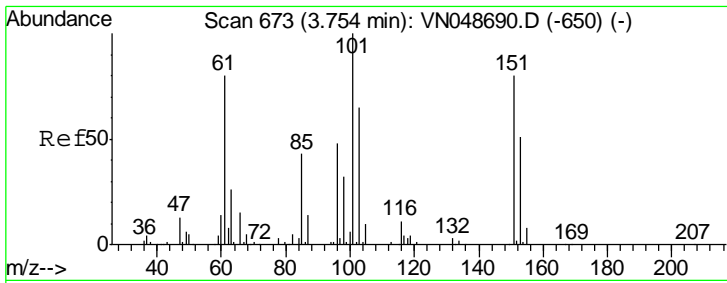
Manual Integrations APPROVED
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#8
 Diethyl Ether
 Concen: 51.13 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

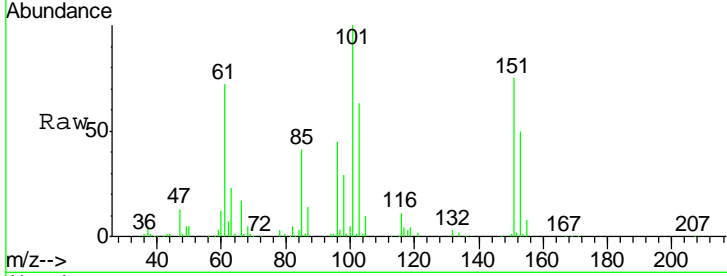
Tgt Ion	Resp	Lower	Upper
74	127690		
74	100		
45	103.3	50.0	150.0





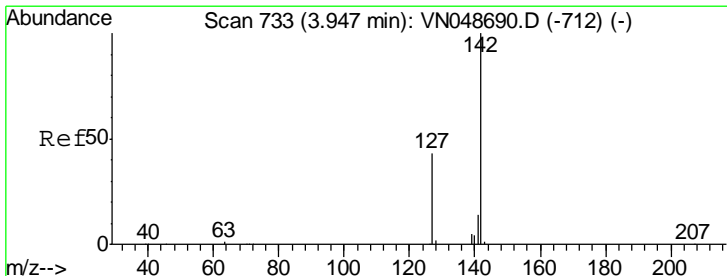
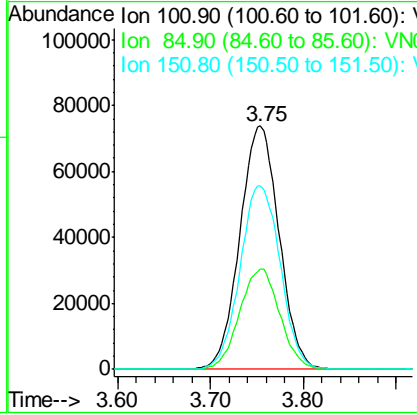
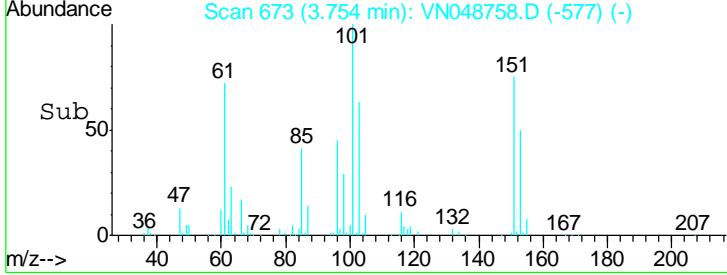
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.29 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

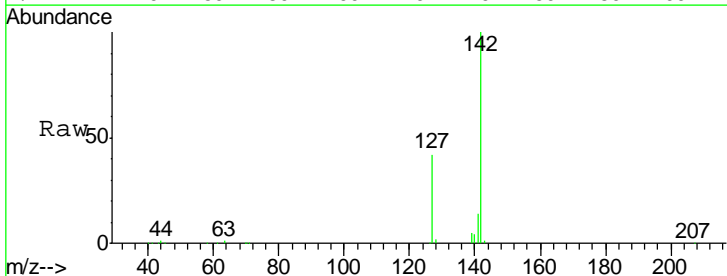


Tgt Ion	Resp	Lower	Upper
101	217493		
101	100		
85	42.1	33.3	49.9
151	77.4	66.5	99.7

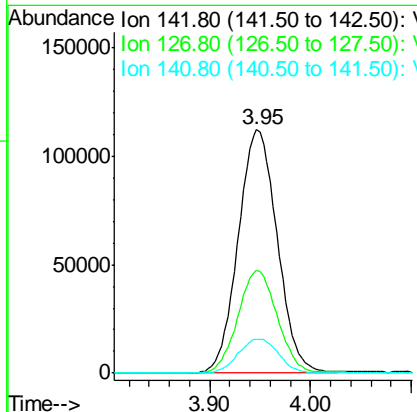
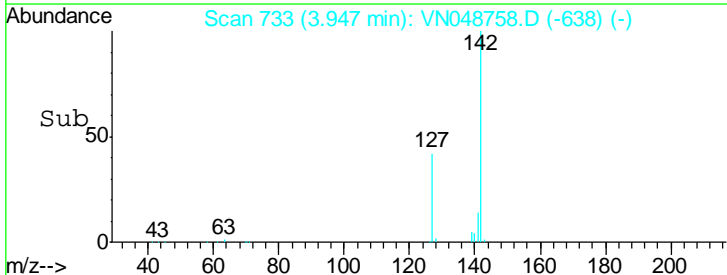
Manual Integrations
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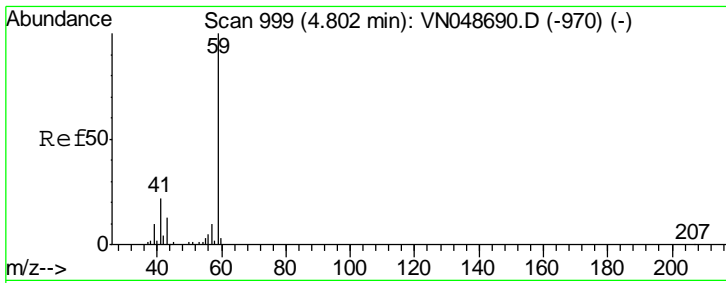


#10
 Methyl Iodide
 Concen: 50.45 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09



Tgt Ion	Resp	Lower	Upper
142	301782		
142	100		
127	42.8	32.5	48.7
141	14.4	11.3	16.9





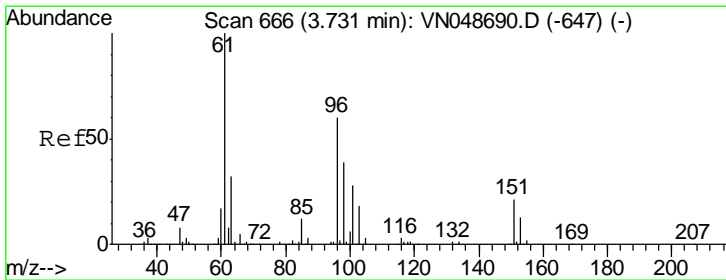
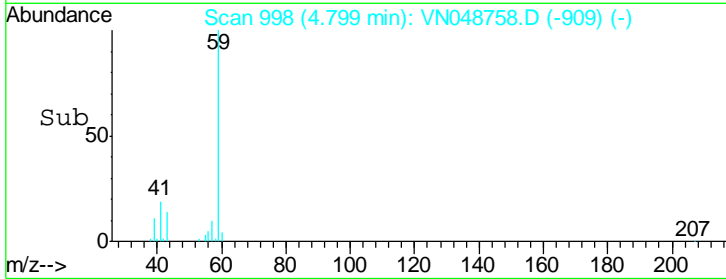
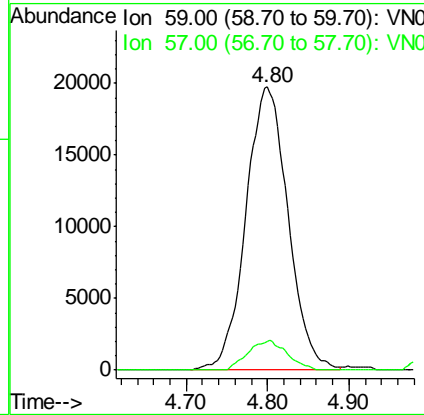
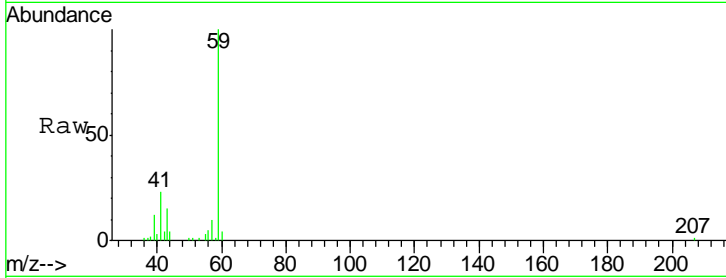
#11
 Tert butyl alcohol
 Concen: 223.03 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.7	8.1	12.1

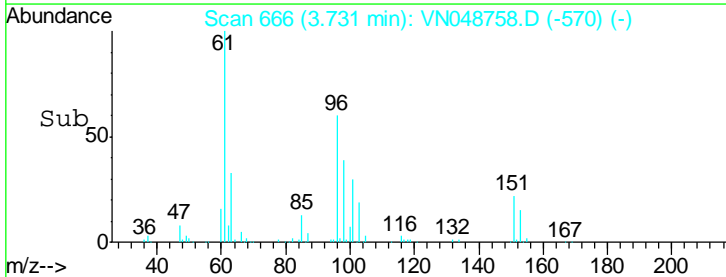
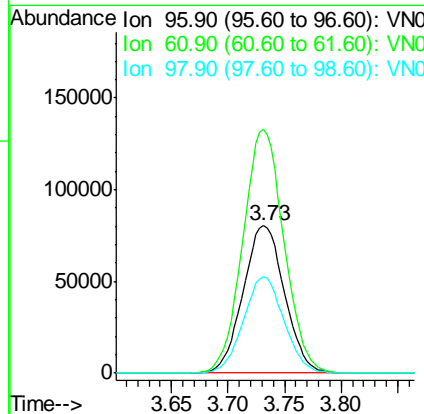
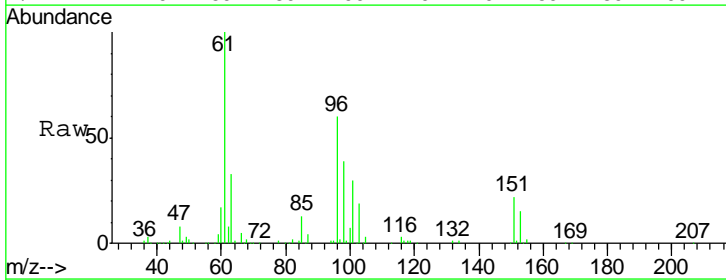
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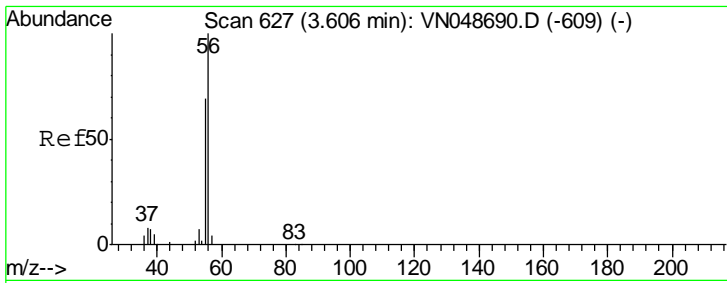
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#12
 1,1-Dichloroethene
 Concen: 49.69 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
96	100		
61	165.3	125.6	188.4
98	65.2	51.0	76.4



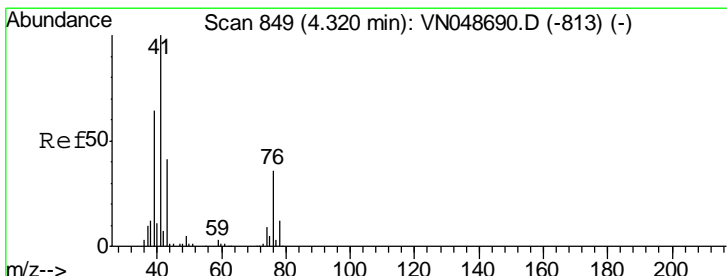
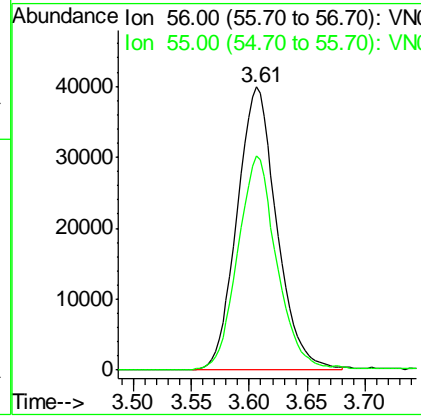
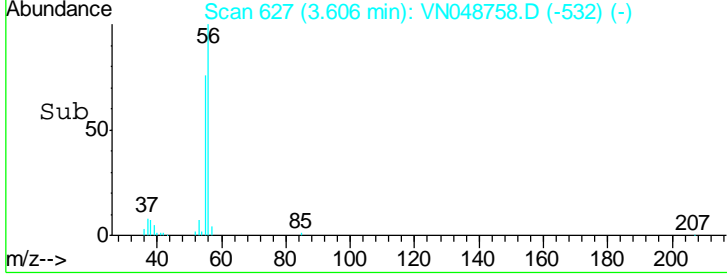
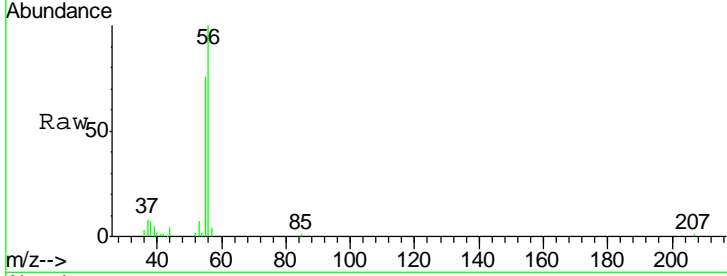


#13
 Acrolein
 Concen: 200.94 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
56	100		
55	74.1	57.1	85.7

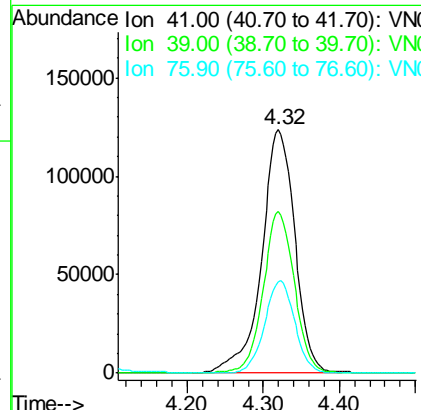
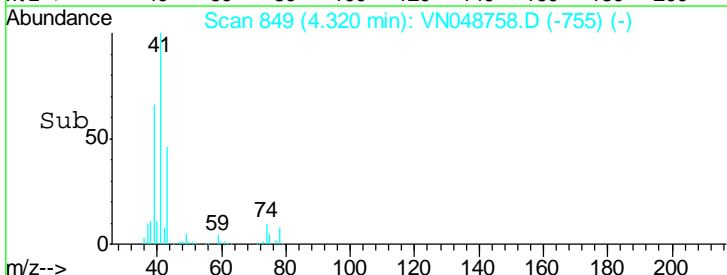
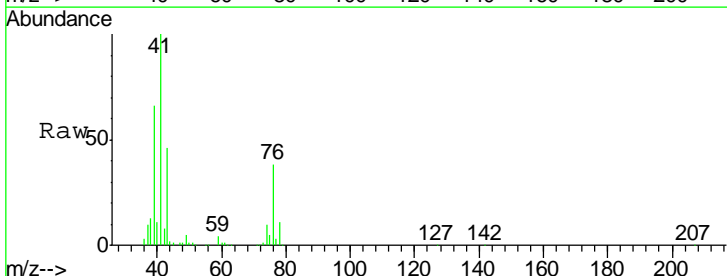
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

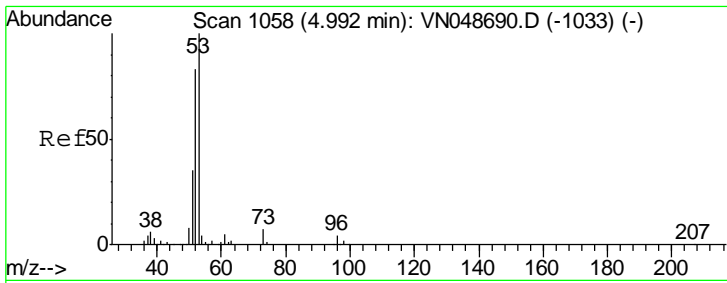
Manual Integrations
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#14
 Allyl chloride
 Concen: 48.42 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
41	100		
39	62.5	51.1	76.7
76	34.6	28.2	42.2



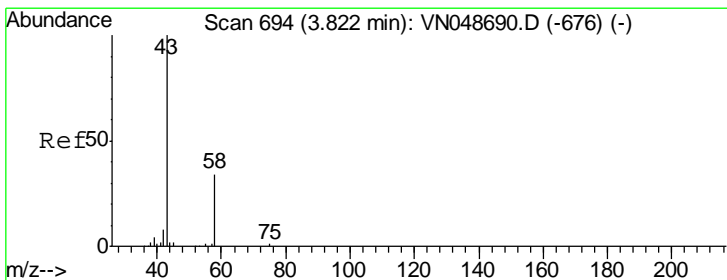
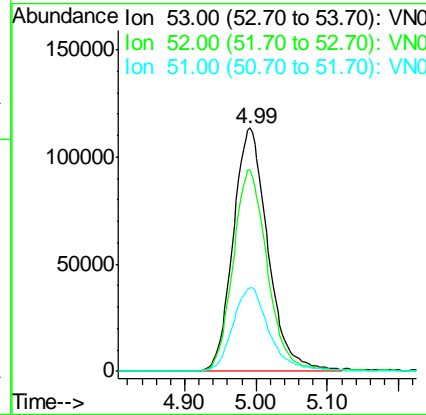
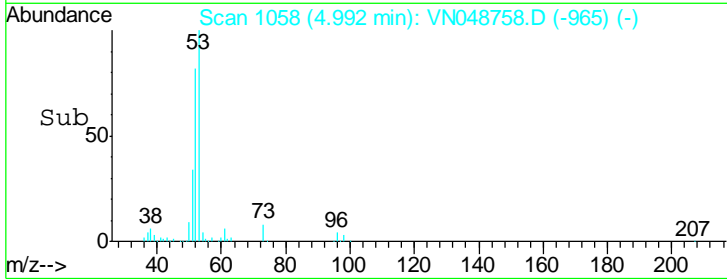
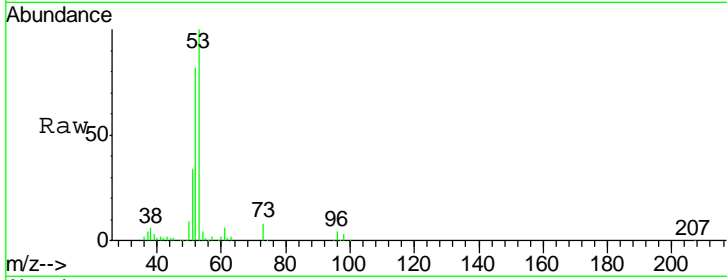


#15
 Acrylonitrile
 Concen: 258.06 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.6	65.5	98.3
51	35.8	28.8	43.2

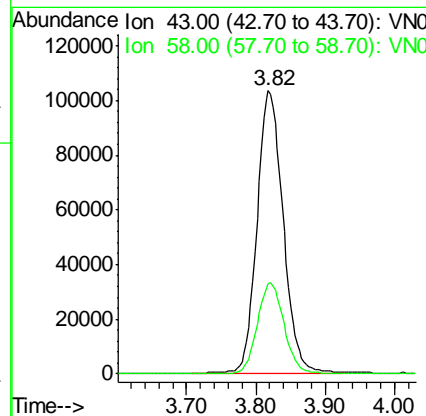
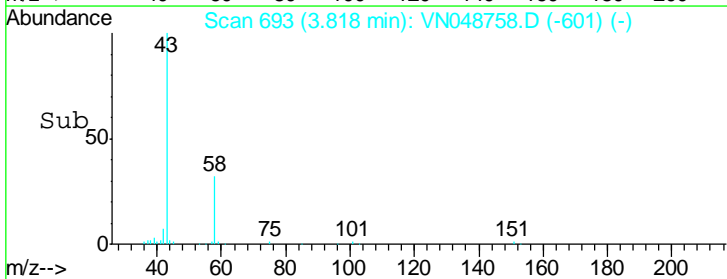
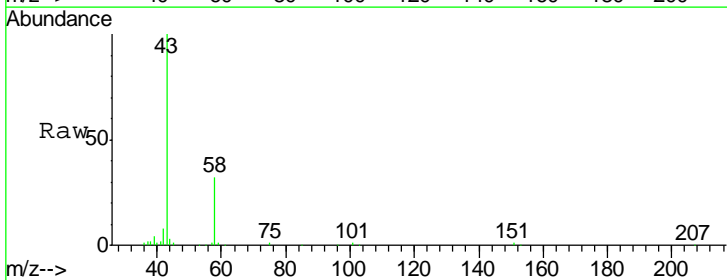
Instrument : MSVOA_N
 ClientSampled : VSTDC050

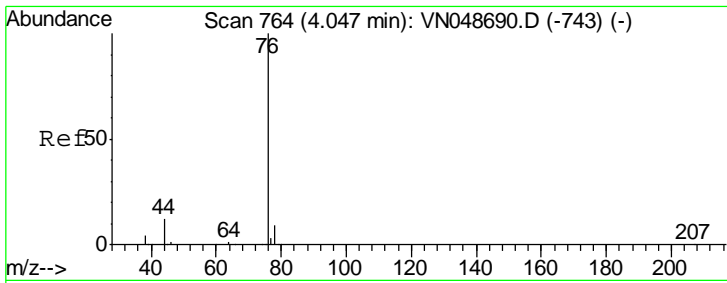
Manual Integrations
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#16
 Acetone
 Concen: 240.18 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.9	25.4	38.0



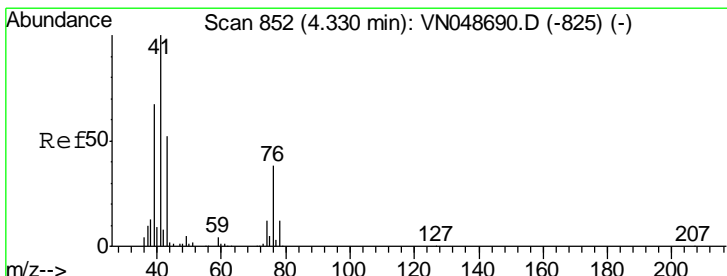
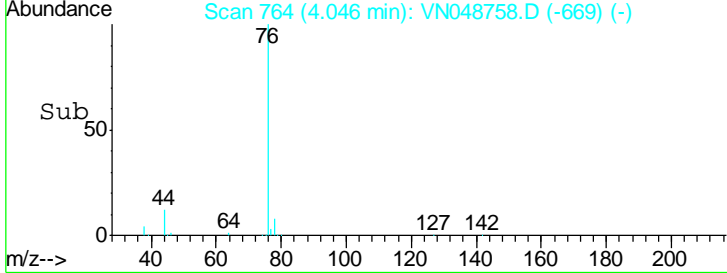
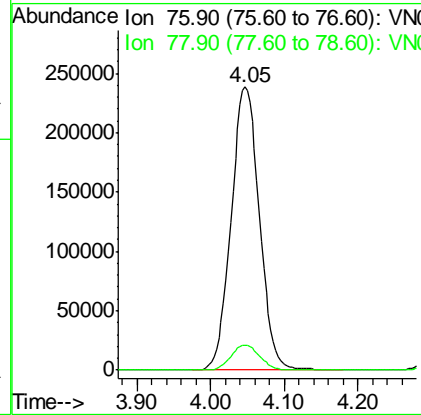
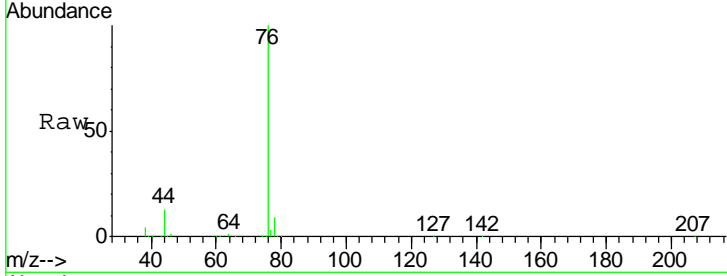


#17
 Carbon Disulfide
 Concen: 47.05 ug/l
 RT: 4.05 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
76	634845		
76	100		
78	8.8	7.2	10.8

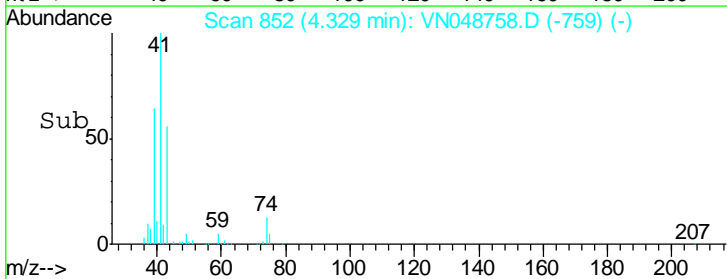
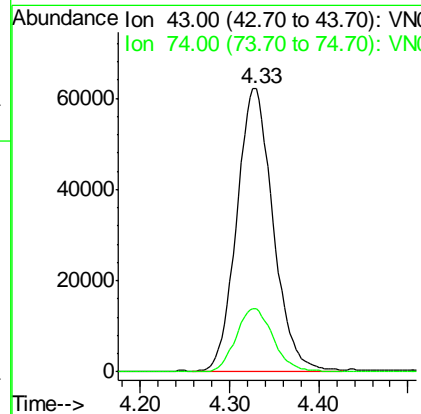
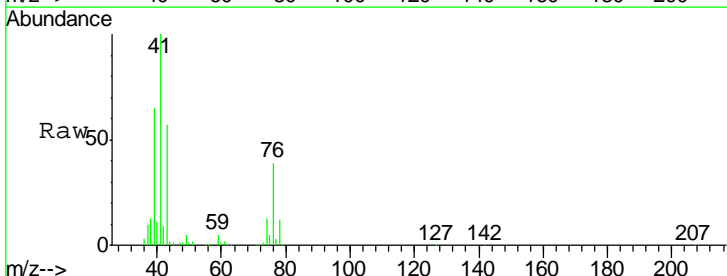
Instrument : MSVOA_N
 ClientSampled : VN048758.D
 VSTDCCC050

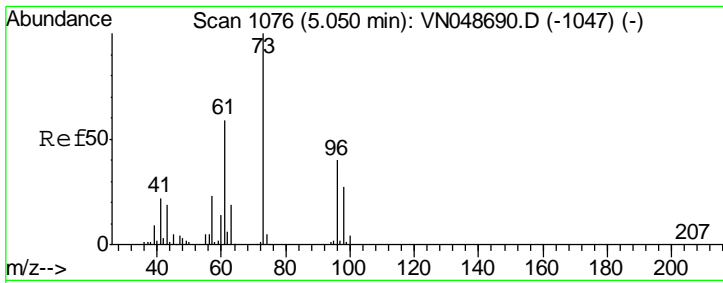
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#18
 Methyl Acetate
 Concen: 52.13 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
43	175048		
43	100		
74	22.9	18.4	27.6





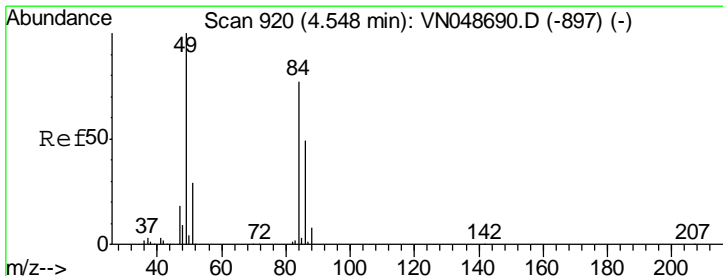
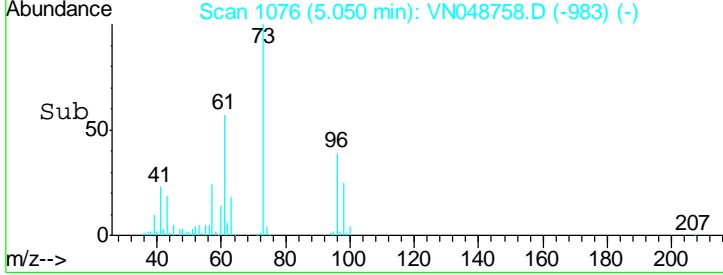
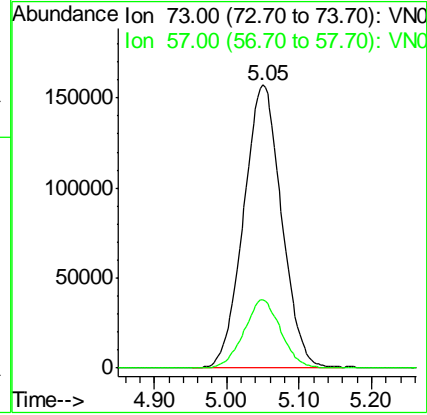
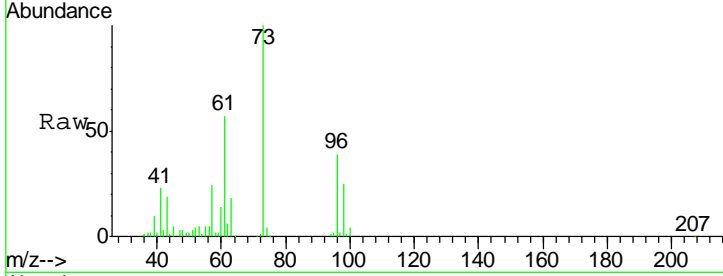
#19
 Methyl tert-butyl Ether
 Concen: 50.78 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
73	100		
57	24.3	18.0	27.0

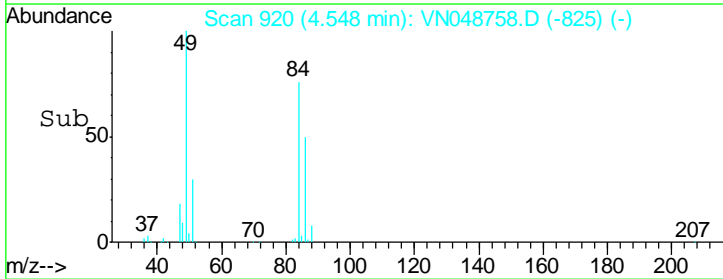
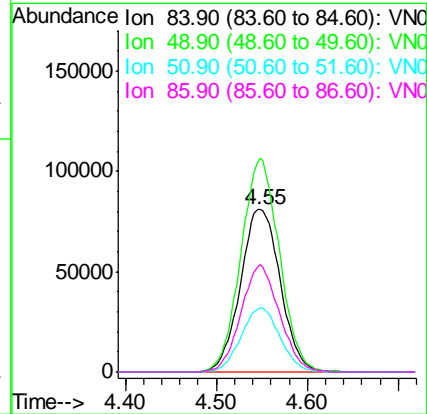
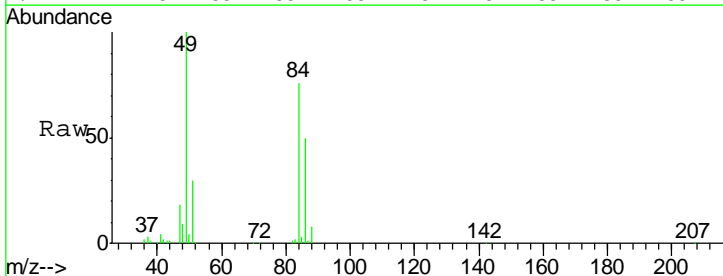
Manual Integrations
 APPROVED

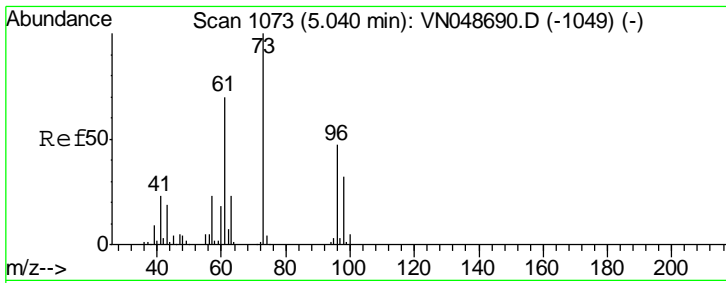
MMDadoda
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#20
 Methylene Chloride
 Concen: 49.91 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
84	100		
49	131.7	97.7	146.5
51	39.4	30.4	45.6
86	66.0	51.8	77.8



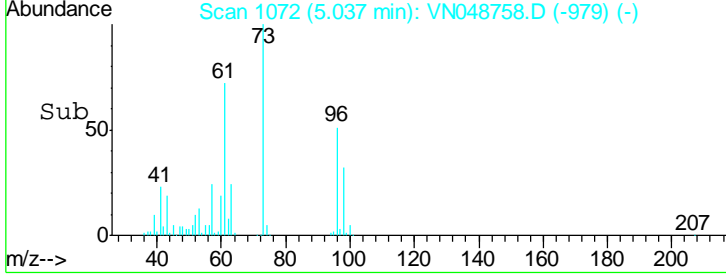
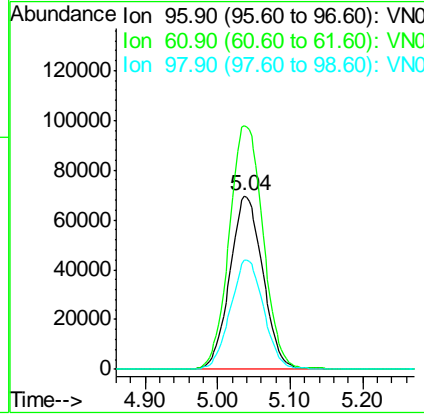
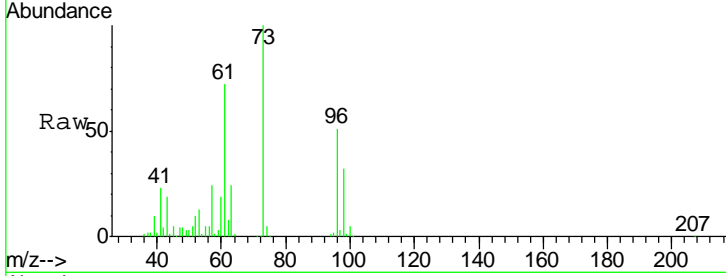


#21
 trans-1,2-Dichloroethene
 Concen: 50.17 ug/l
 RT: 5.04 min Scan# 1072
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

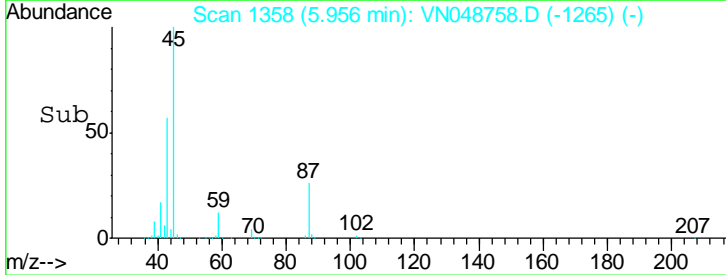
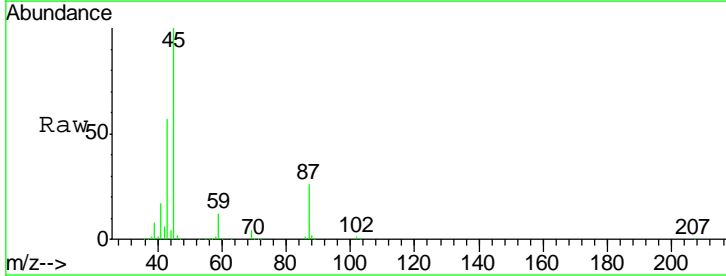
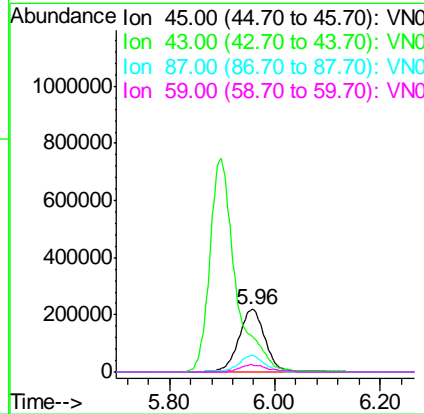
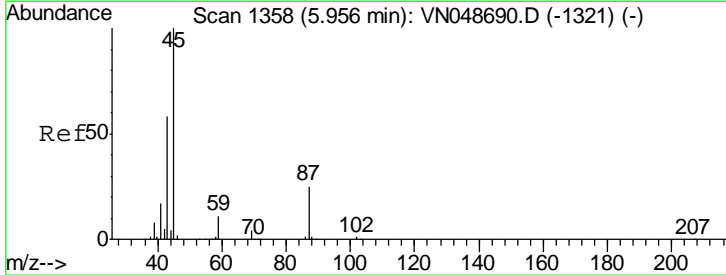
Tgt Ion	Resp	Lower	Upper
96	220903		
96	100		
61	140.5	112.2	168.2
98	63.0	50.5	75.7

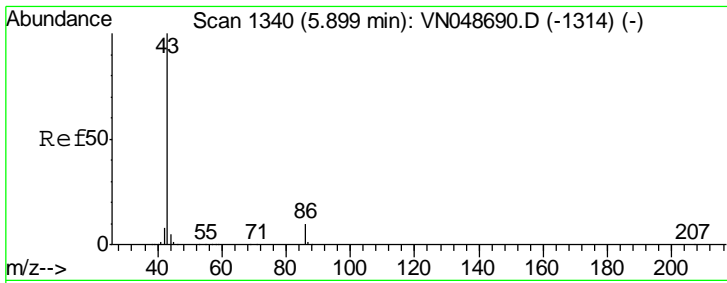
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#22
 Diisopropyl ether
 Concen: 52.17 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
45	768189		
45	100		
43	56.1	43.8	65.8
87	25.9	21.8	32.6
59	11.4	9.2	13.8





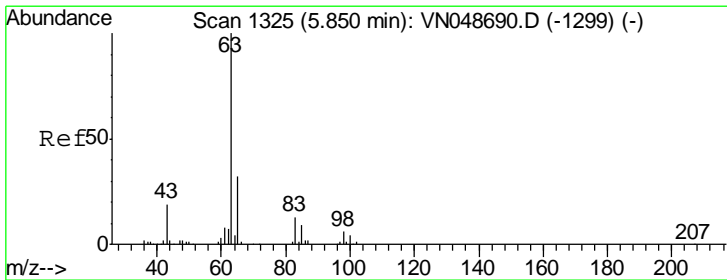
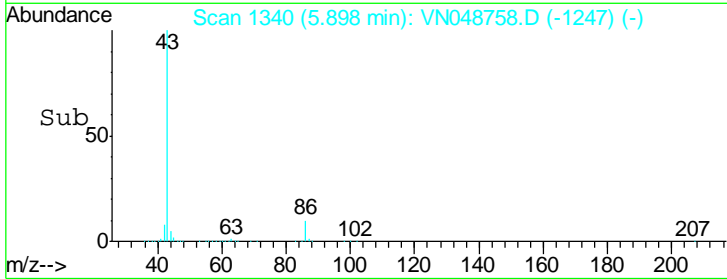
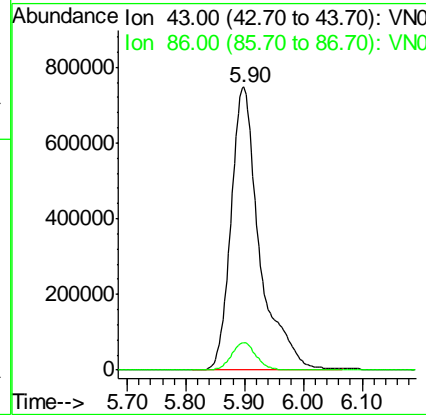
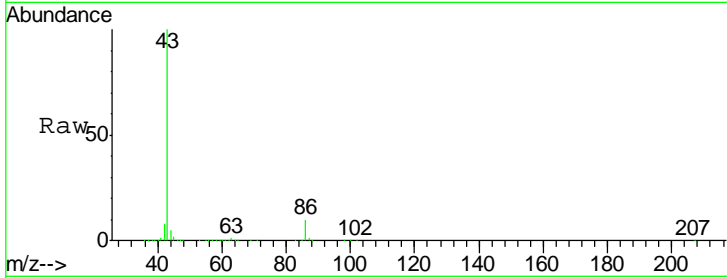
#23
 Vinyl Acetate
 Concen: 254.15 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
86	9.7	8.2	12.2

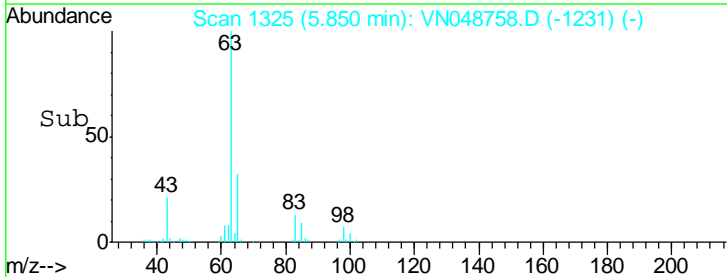
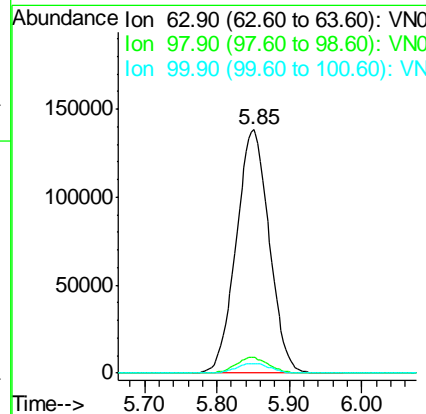
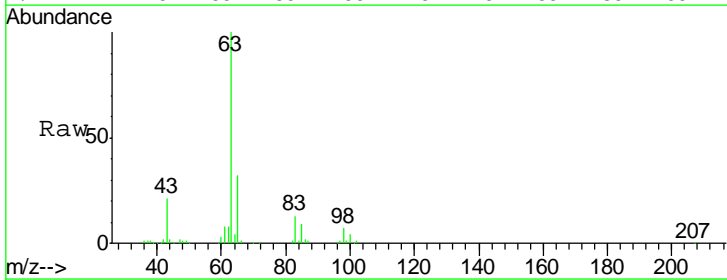
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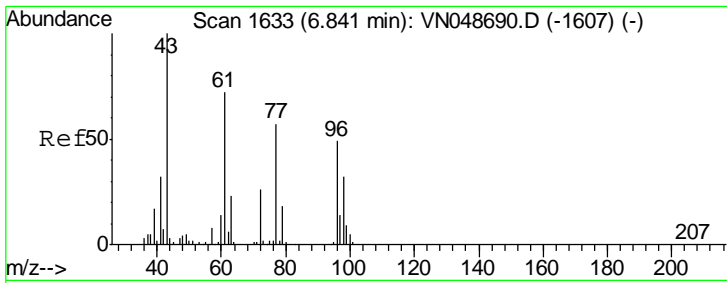
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#24
 1,1-Dichloroethane
 Concen: 50.36 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.7	3.2	9.6
100	3.6	2.1	6.3





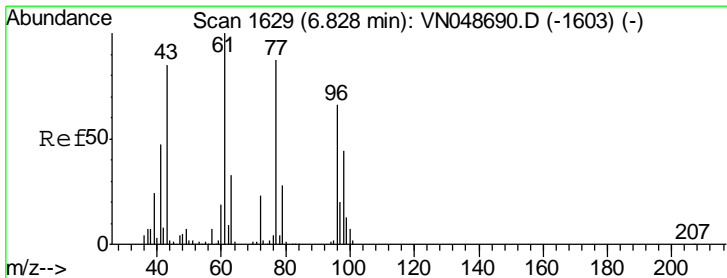
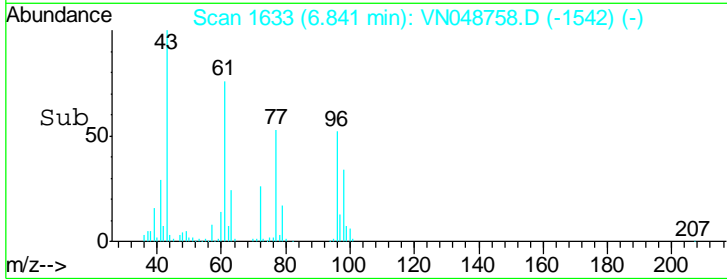
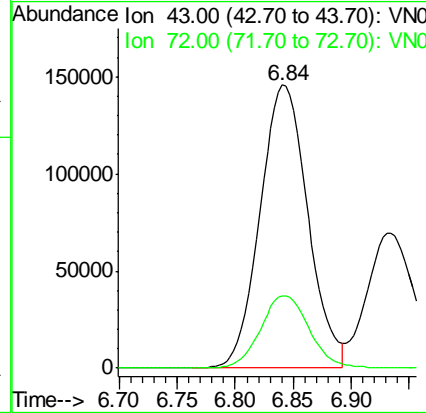
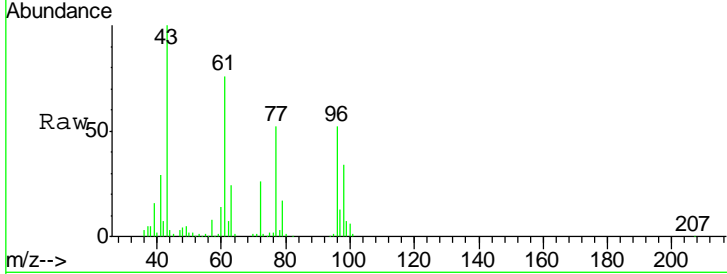
#25
 2-Butanone
 Concen: 238.47 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.5	20.8	31.2

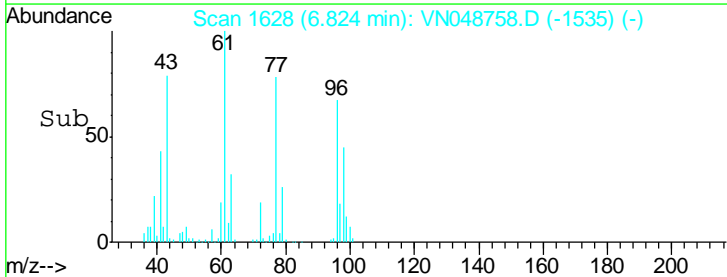
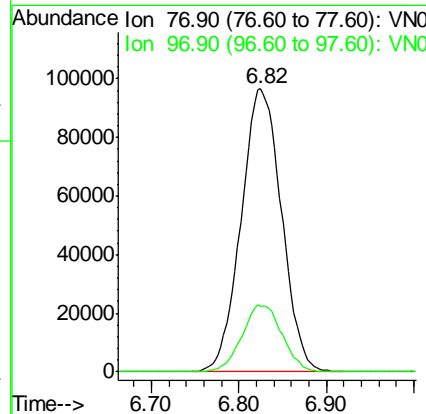
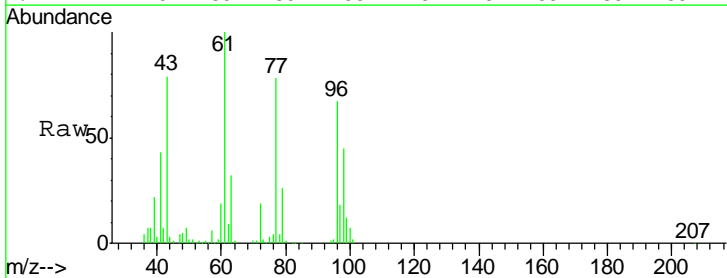
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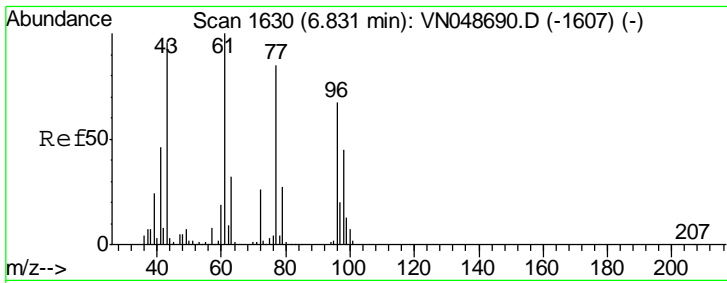
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#26
 2,2-Dichloropropane
 Concen: 42.84 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.9	35.5



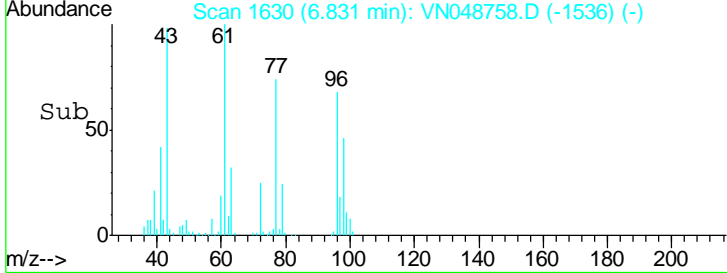
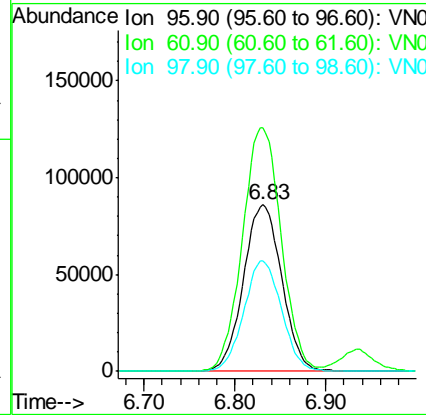
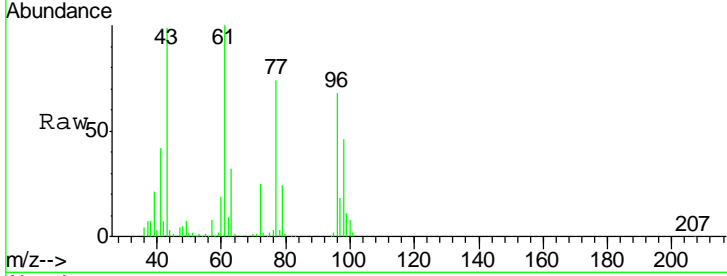


#27
 cis-1,2-Dichloroethene
 Concen: 50.78 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
96	252225		
96	100		
61	147.8	0.0	292.6
98	65.2	0.0	128.2

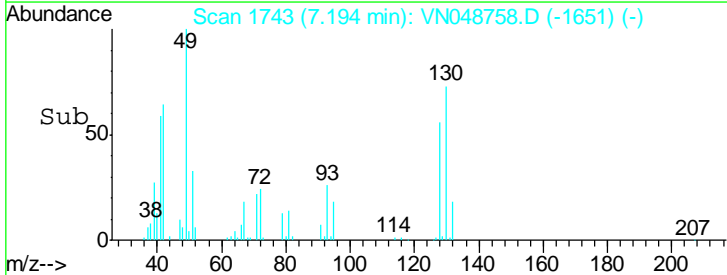
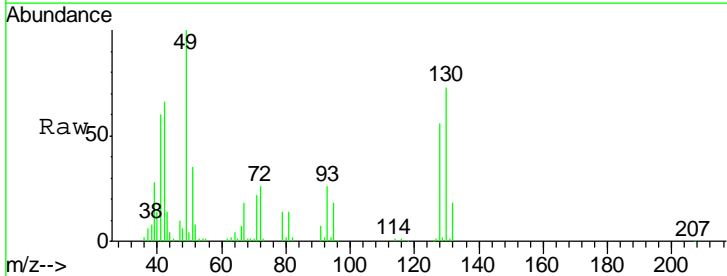
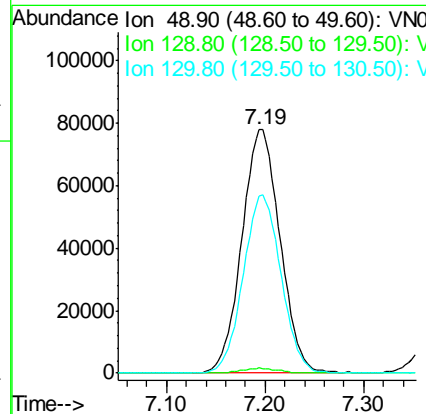
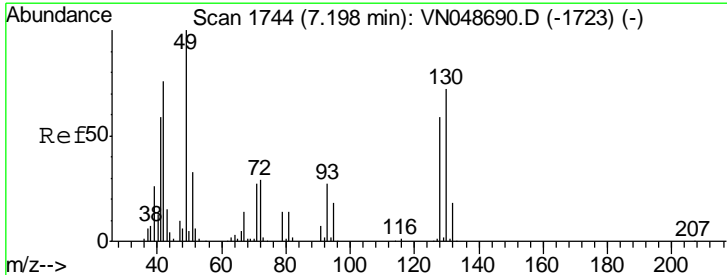
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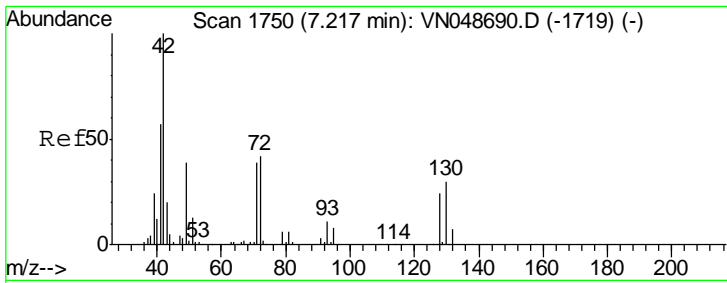


#28
 Bromochloromethane
 Concen: 53.18 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

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Tgt Ion	Resp	Lower	Upper
49	209413		
49	100		
129	1.9	0.0	3.8
130	72.2	64.2	96.2



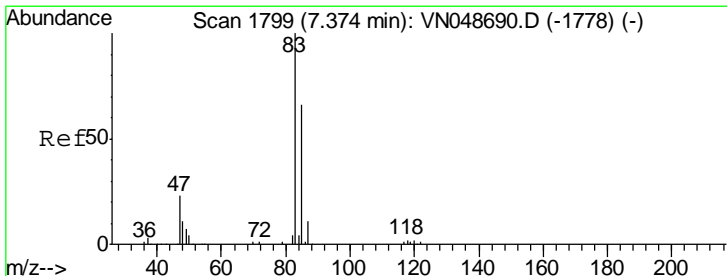
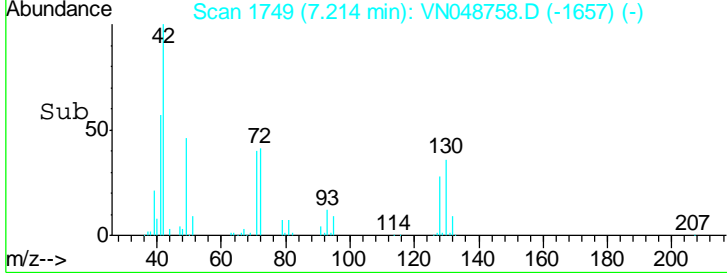
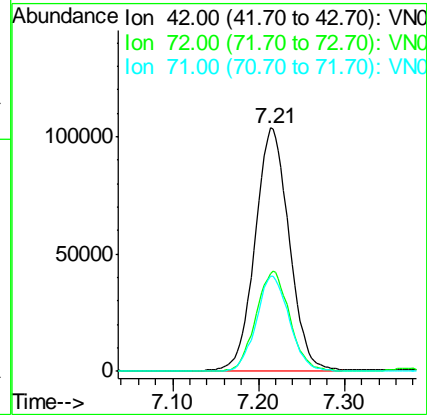
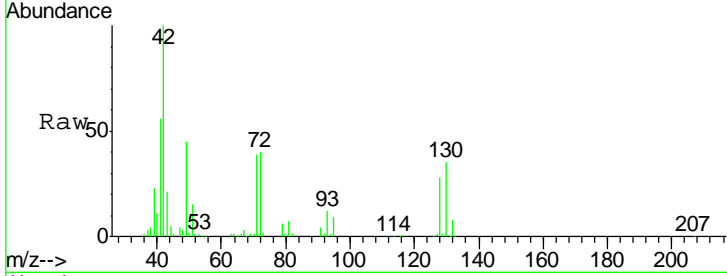


#29
 Tetrahydrofuran
 Concen: 243.31 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
42	100		
72	40.8	34.2	51.4
71	38.0	31.8	47.8

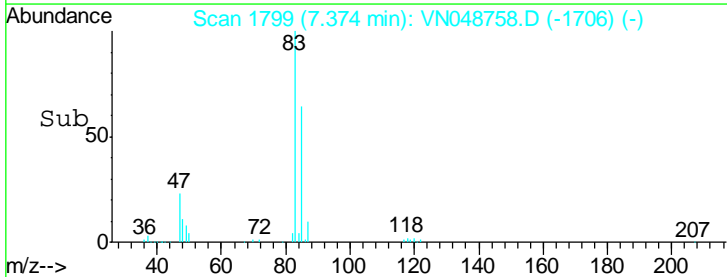
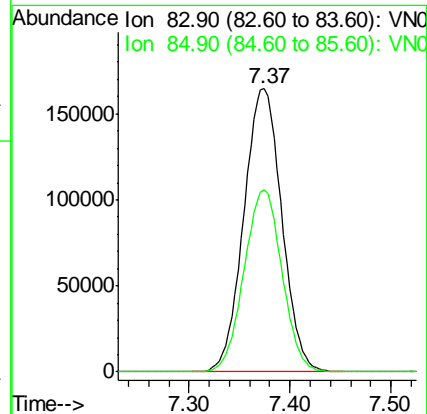
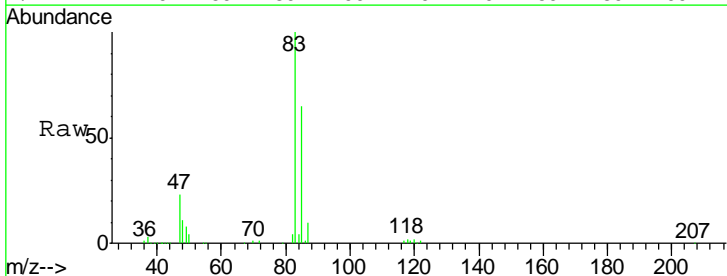
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

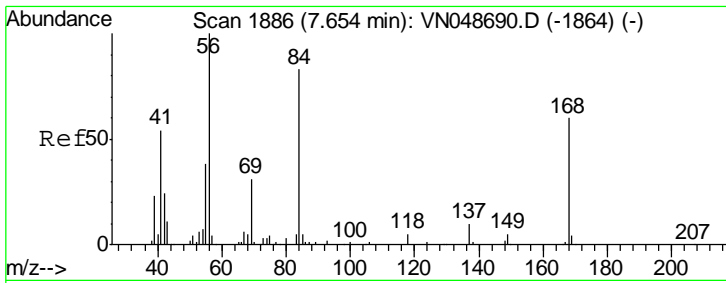
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#30
 Chloroform
 Concen: 51.49 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.6	51.1	76.7





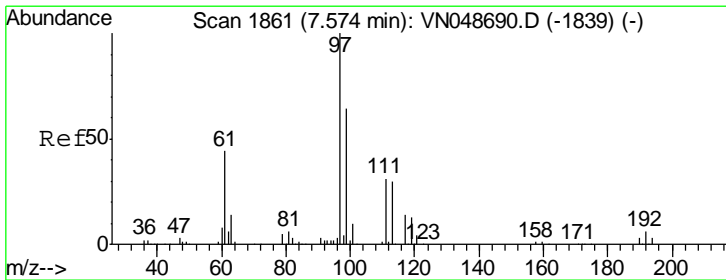
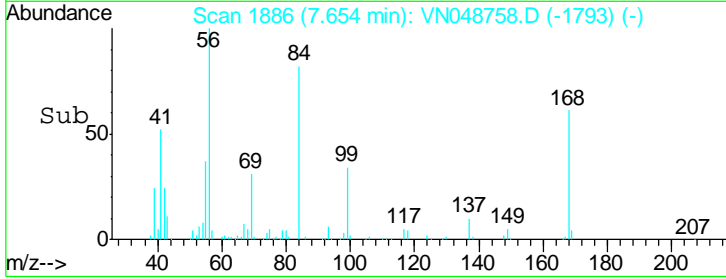
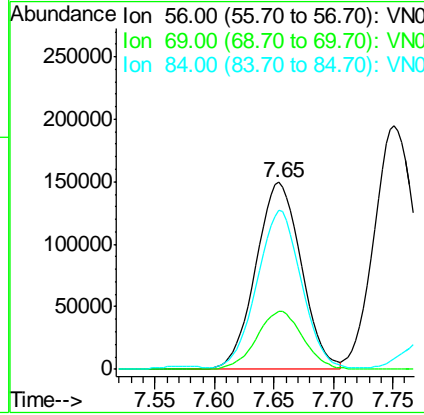
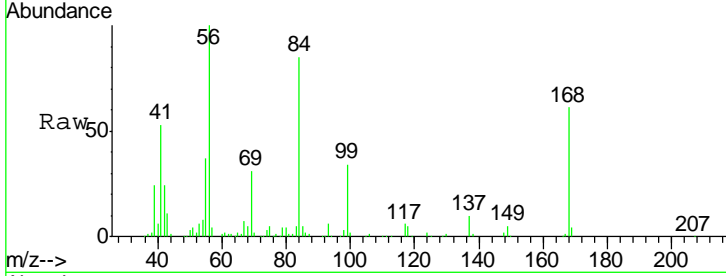
#31
 Cyclohexane
 Concen: 50.40 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	31.0	25.6	38.4
84	83.4	67.5	101.3

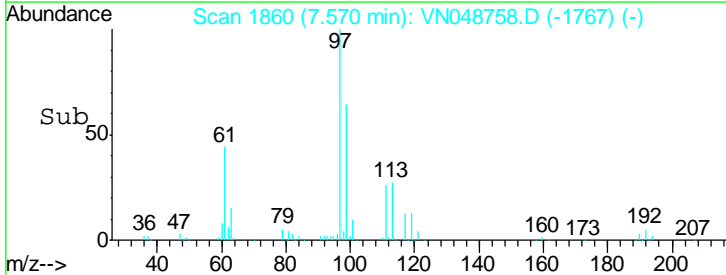
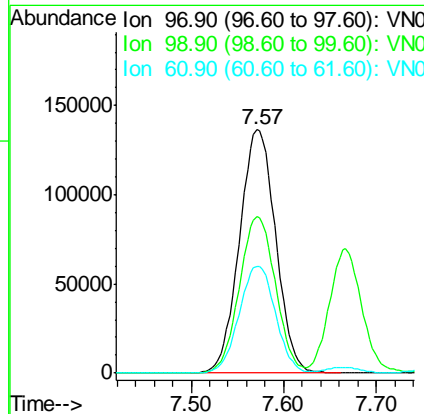
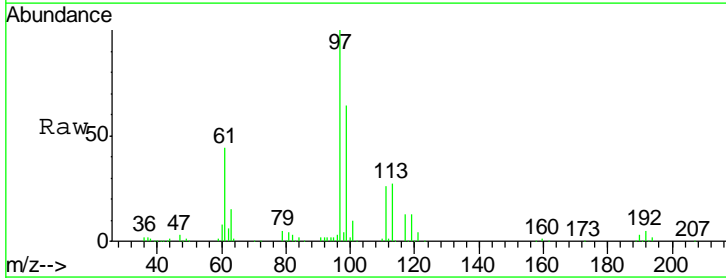
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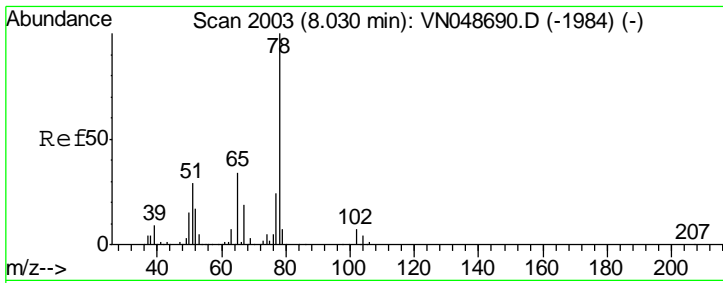
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#32
 1,1,1-Trichloroethane
 Concen: 50.91 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	44.1	34.2	51.2



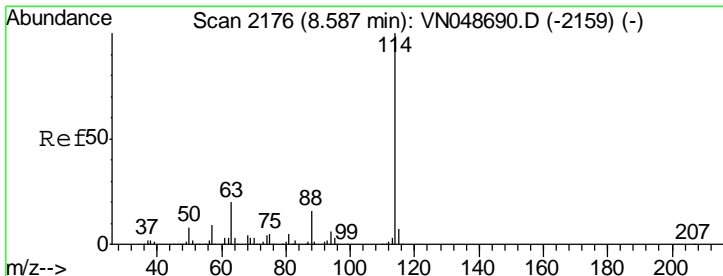
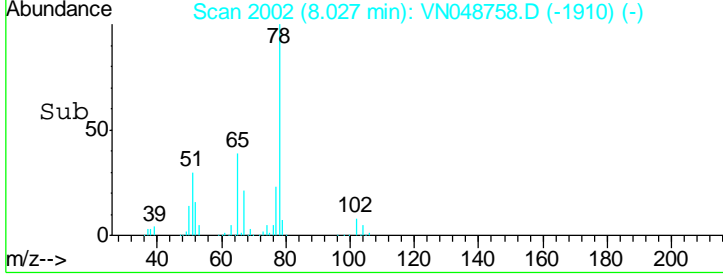
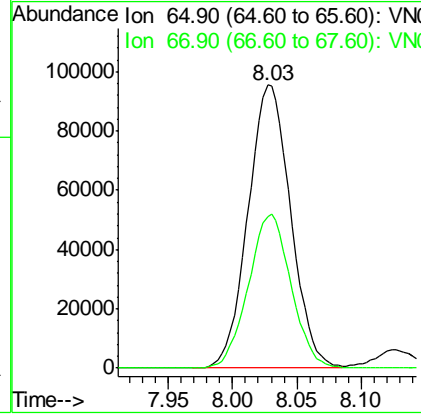
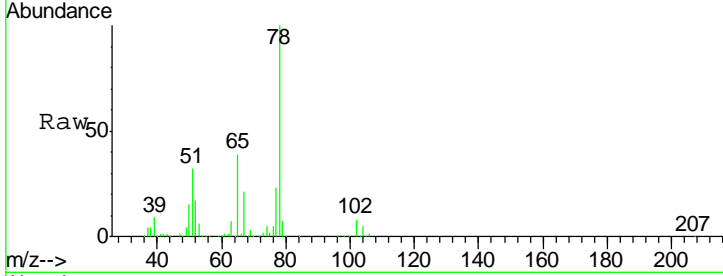


#33
 1,2-Dichloroethane-d4
 Concen: 47.78 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.4	0.0	108.4

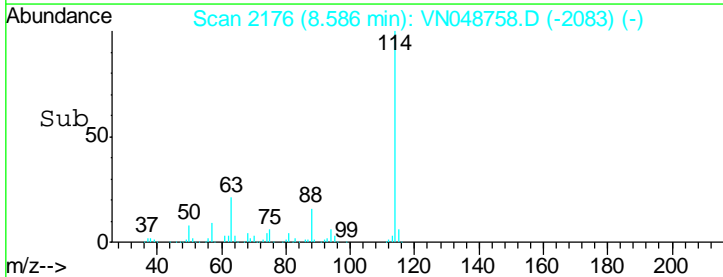
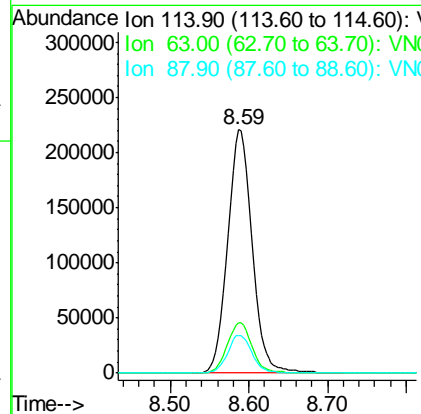
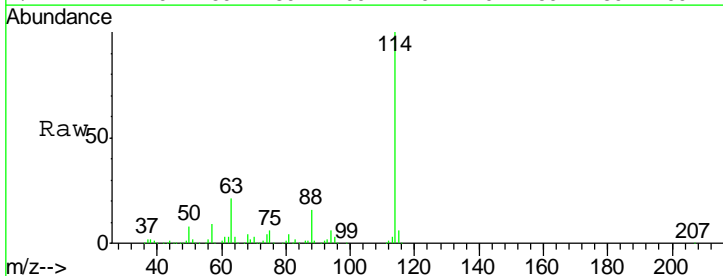
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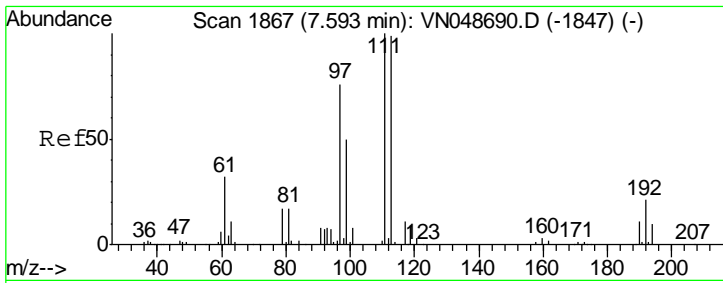


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

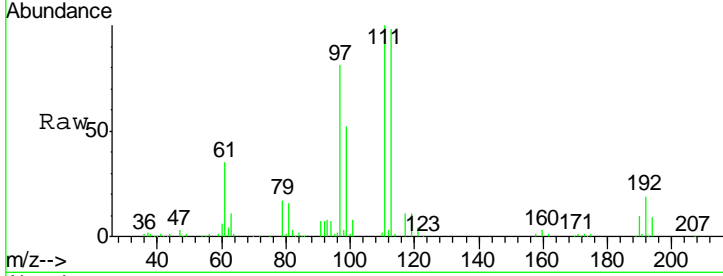
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.7	0.0	40.0
88	15.6	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 50.47 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

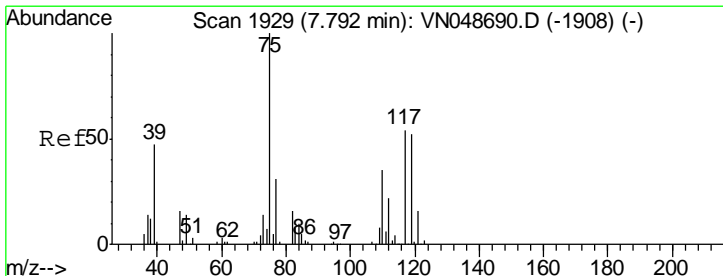
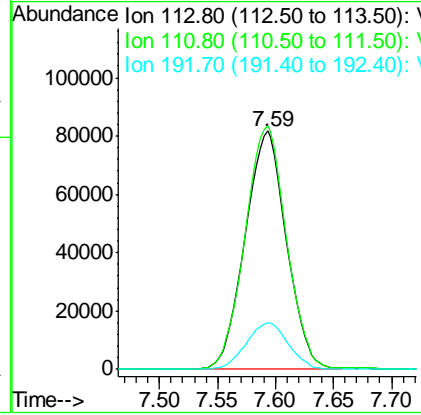
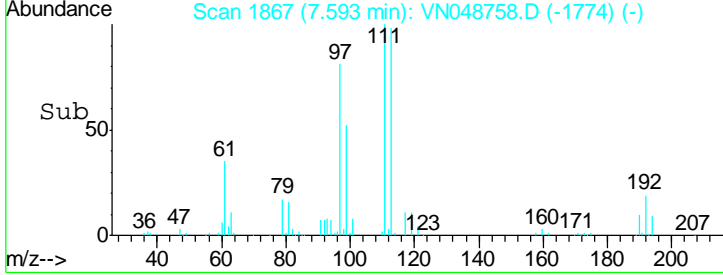
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050



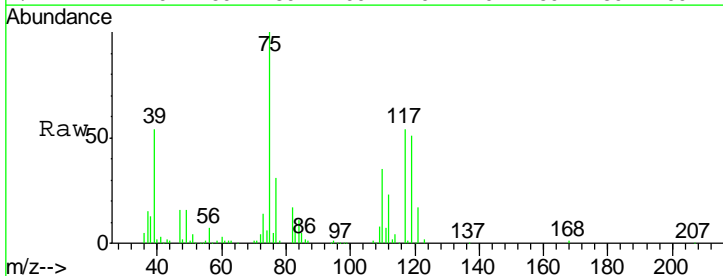
Tgt Ion: 113 Resp: 202494

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.7	122.5
192	19.9	17.6	26.4

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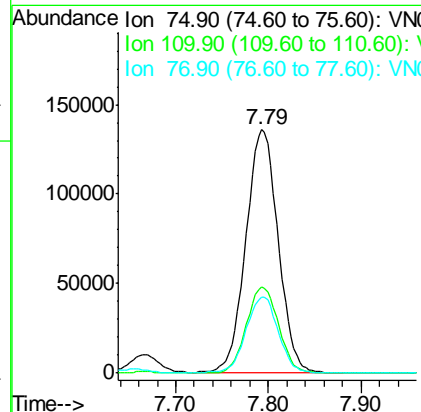
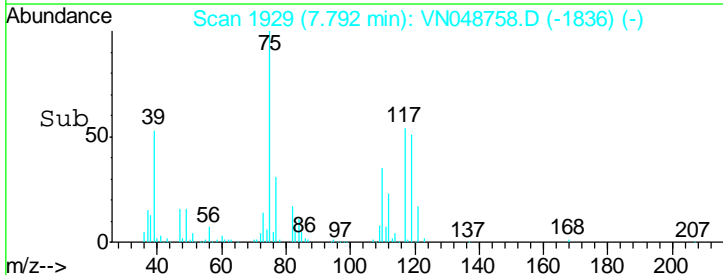


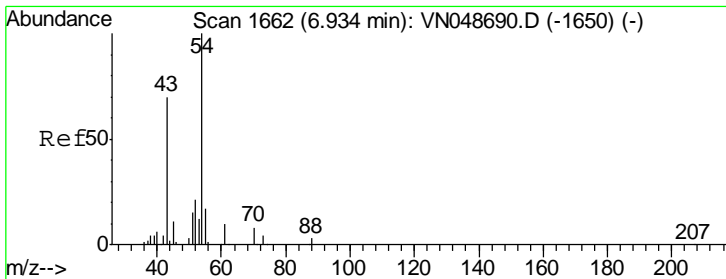
#36
 1,1-Dichloropropene
 Concen: 50.09 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09



Tgt Ion: 75 Resp: 327923

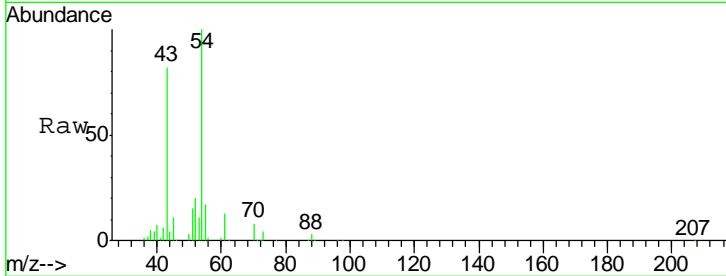
Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.4	55.0
77	31.5	25.0	37.4





#37
 Ethyl Acetate
 Concen: 50.67 ug/l
 RT: 6.93 min Scan# 1661
 Delta R.T. -0.01 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

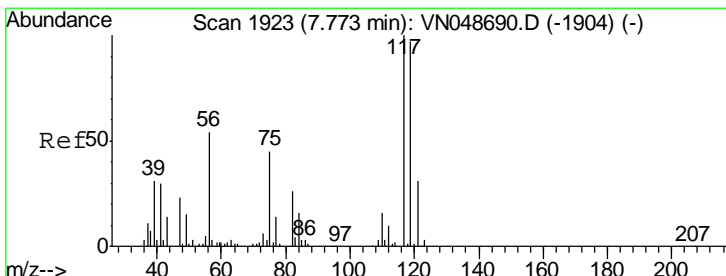
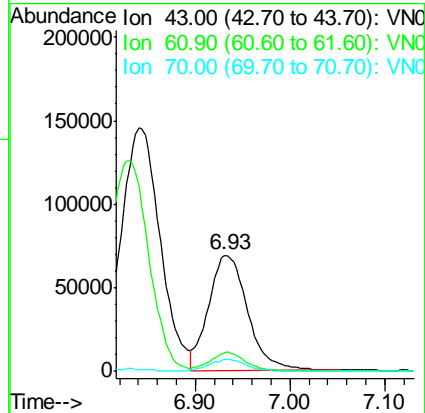
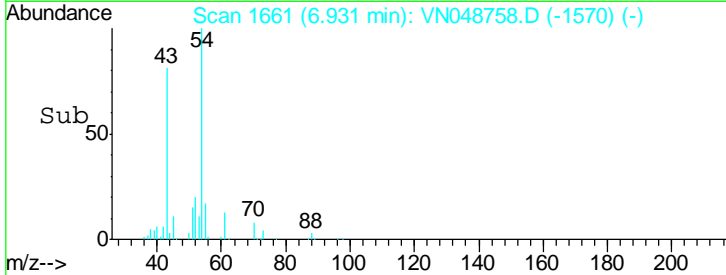
Instrument : MSVOA_N
 Client Sampled : VSTDCCC050



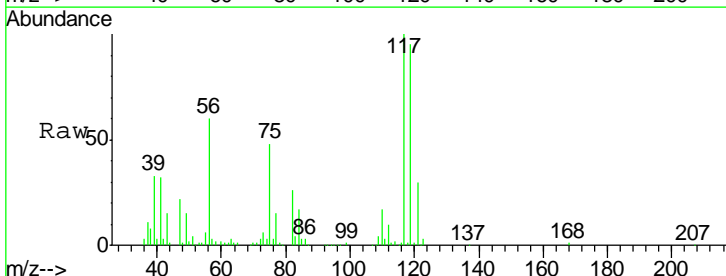
Tgt Ion: 43 Resp: 198658

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.2
70	9.9	8.6	12.8

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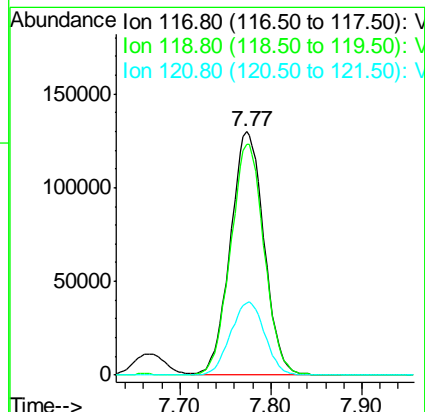
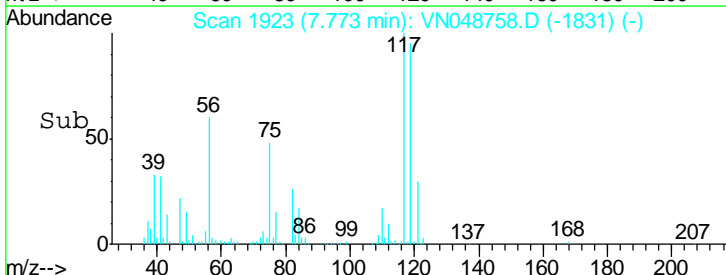


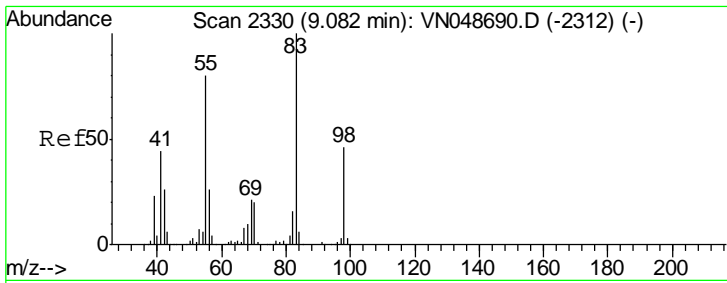
#38
 Carbon Tetrachloride
 Concen: 49.84 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09



Tgt Ion: 117 Resp: 333293

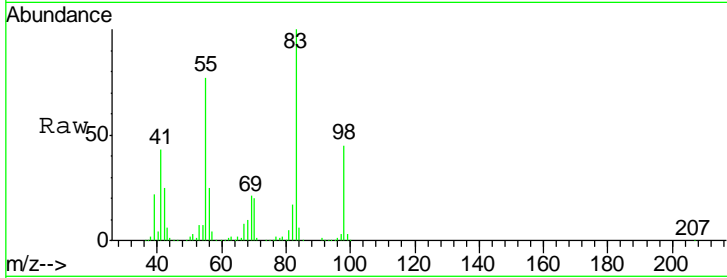
Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.0	117.0
121	29.7	24.5	36.7





#39
 Methylcyclohexane
 Concen: 50.55 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

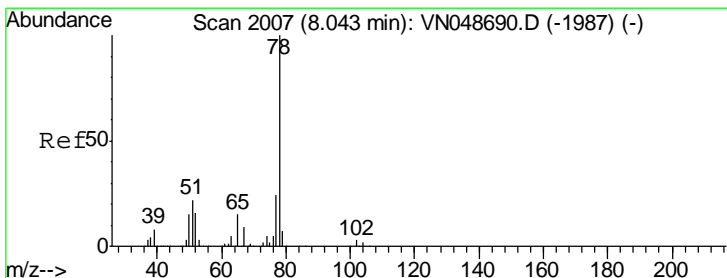
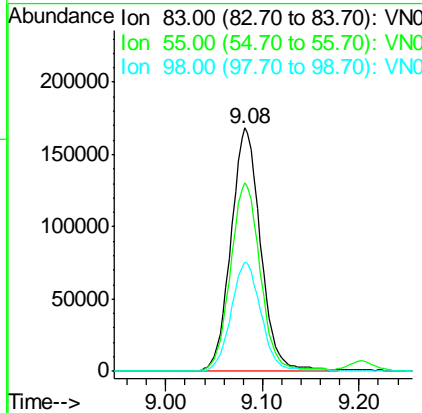
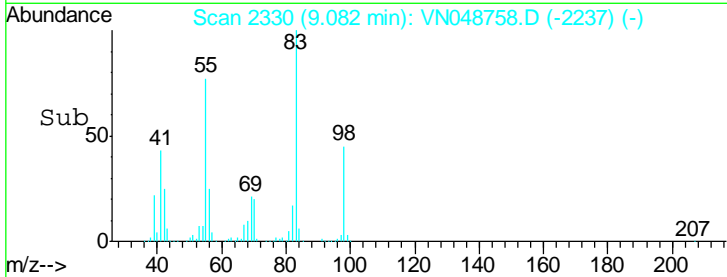
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



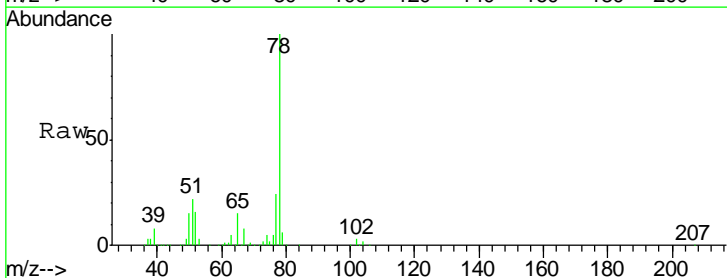
Tgt Ion: 83 Resp: 359725

Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.7	92.5
98	45.0	36.8	55.2

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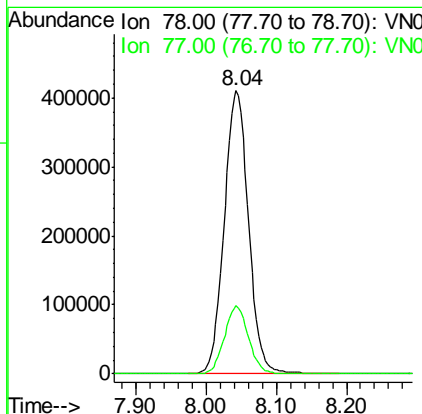
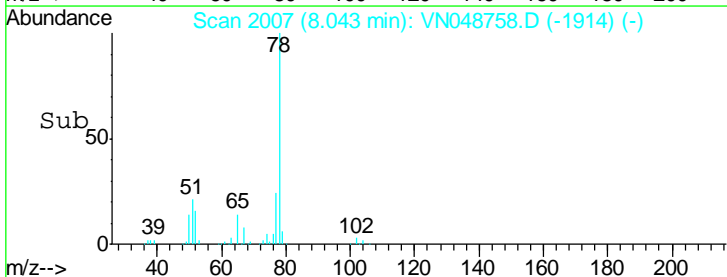


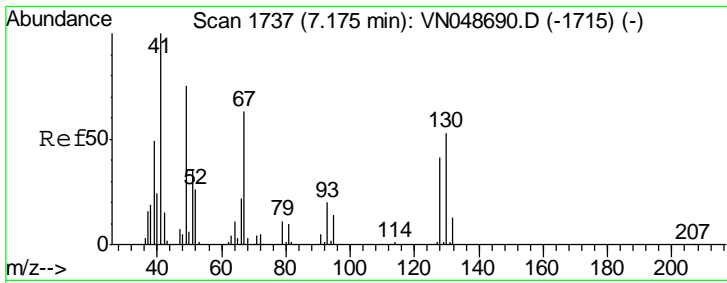
#40
 Benzene
 Concen: 51.70 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09



Tgt Ion: 78 Resp: 987379

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1



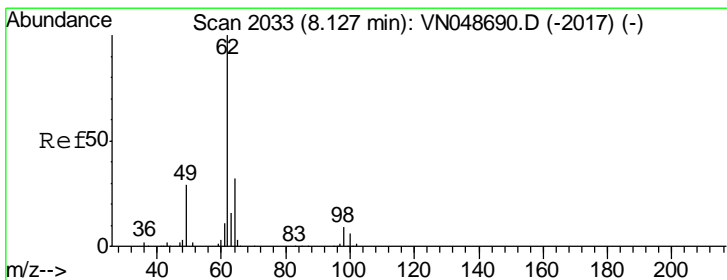
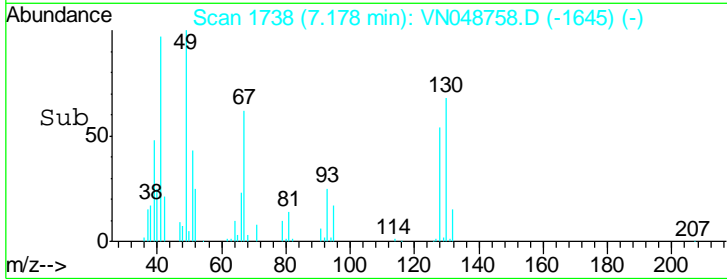
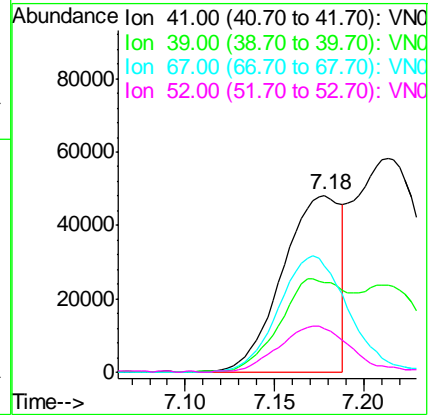
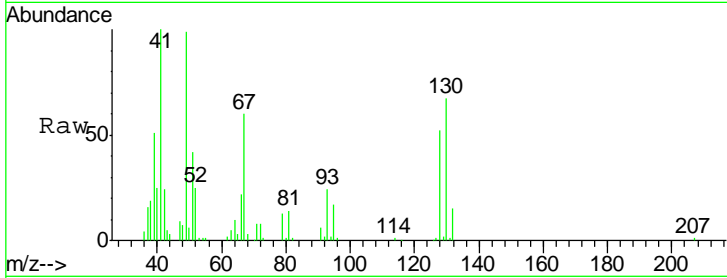


#41
 Methacrylonitrile
 Concen: 50.45 ug/l
 RT: 7.18 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
41	109442		
39	61.0	47.4	71.2
67	78.6	62.4	93.6
52	32.8	25.6	38.4

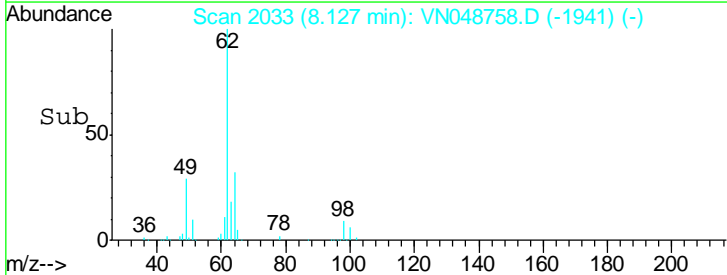
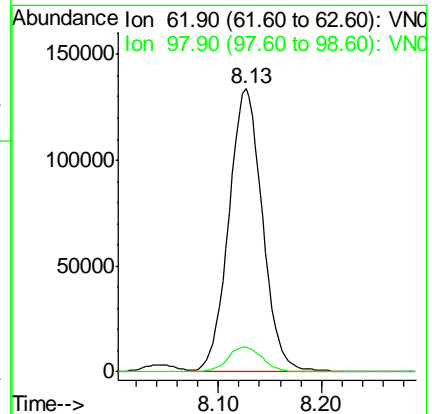
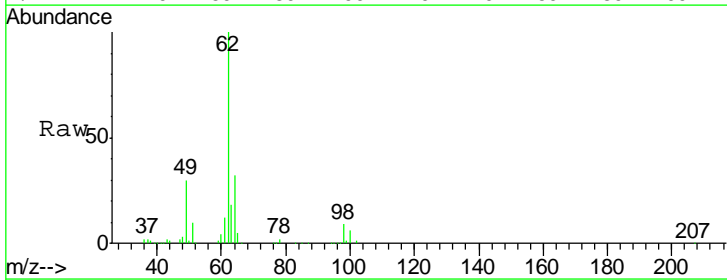
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

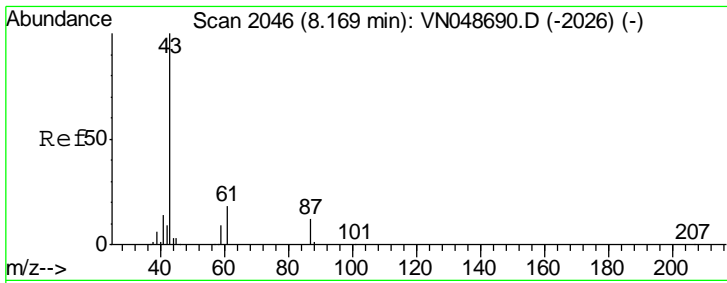
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#42
 1,2-Dichloroethane
 Concen: 50.68 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
62	302169		
98	9.0	0.0	18.2





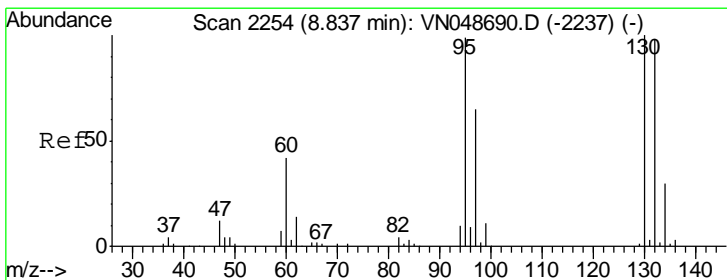
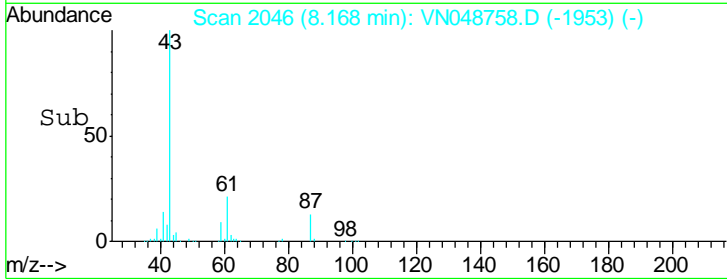
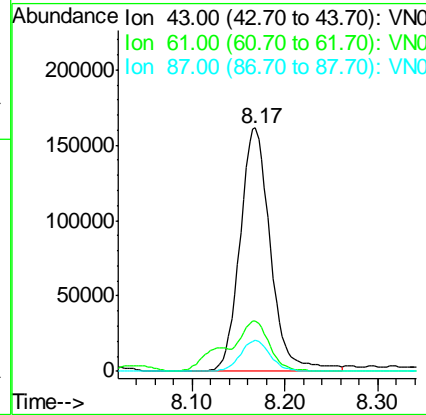
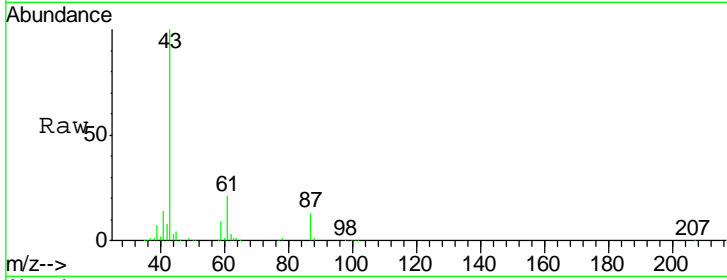
#43
 Isopropyl Acetate
 Concen: 50.99 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.6	22.2	33.2#
87	12.4	10.6	15.8

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

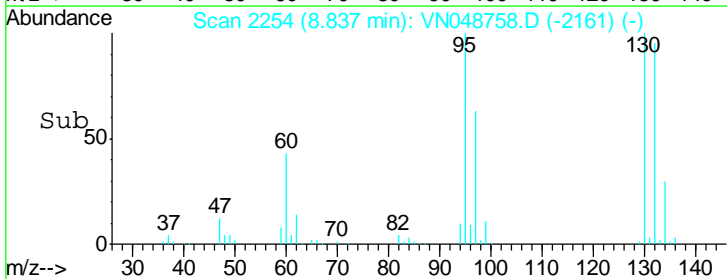
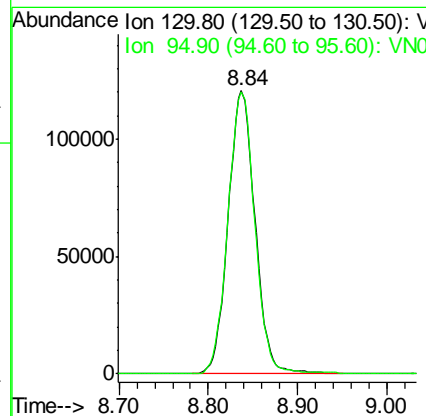
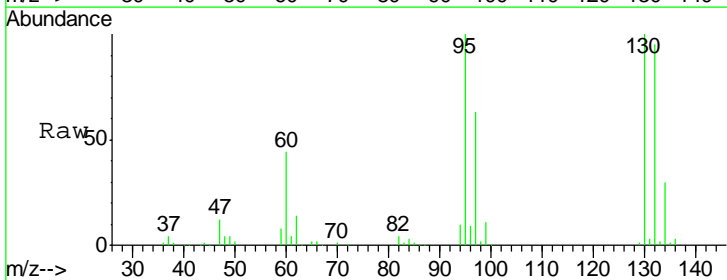
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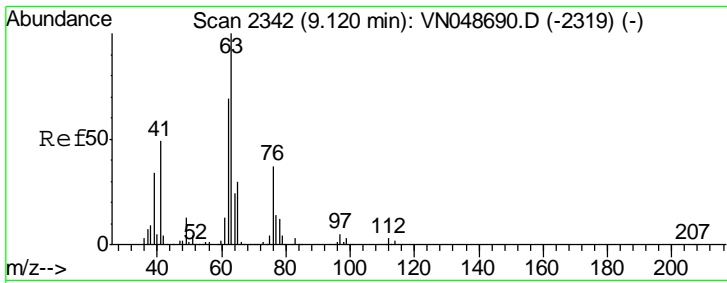
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#44
 Trichloroethene
 Concen: 51.27 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
130	100		
95	99.7	0.0	191.6



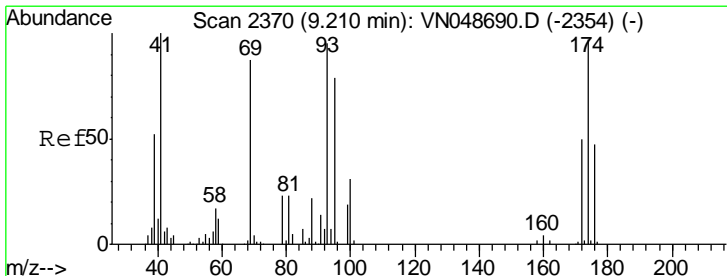
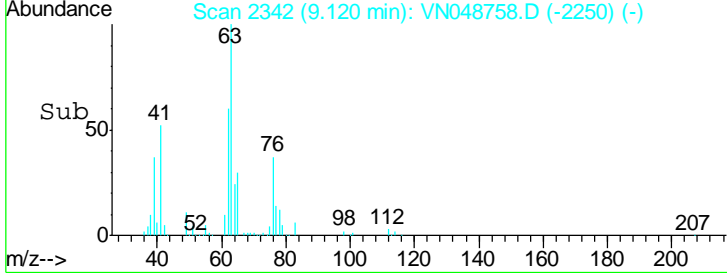
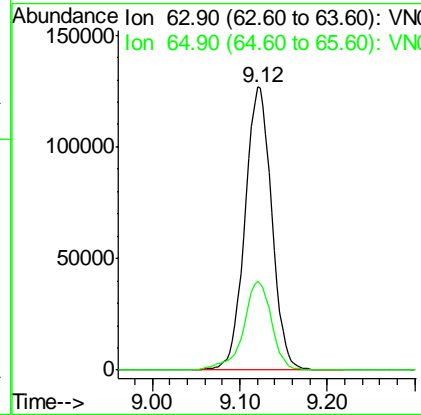
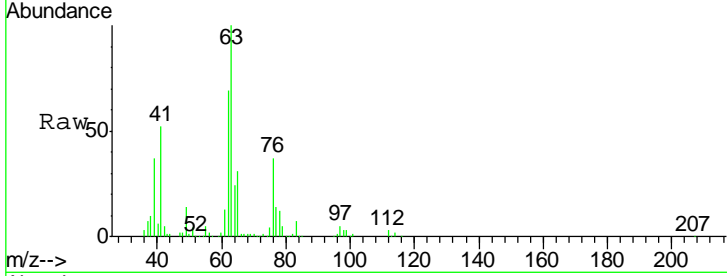


#45
 1,2-Dichloropropane
 Concen: 51.88 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.4	23.9	35.9

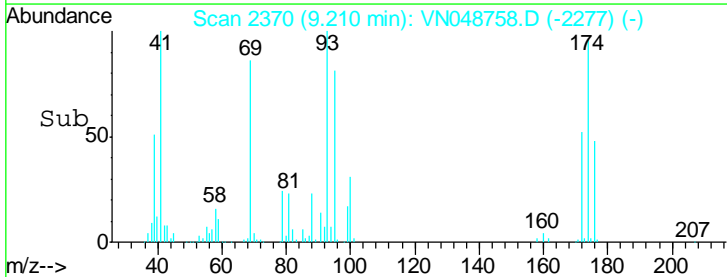
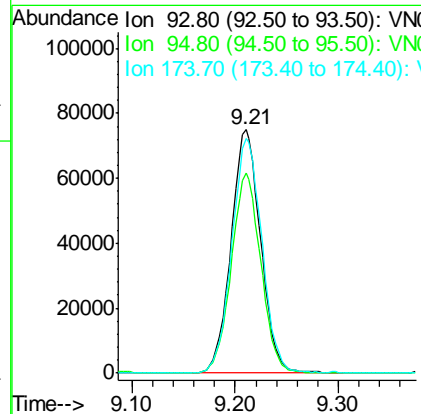
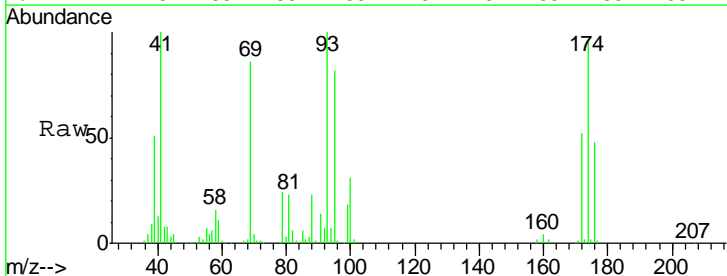
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

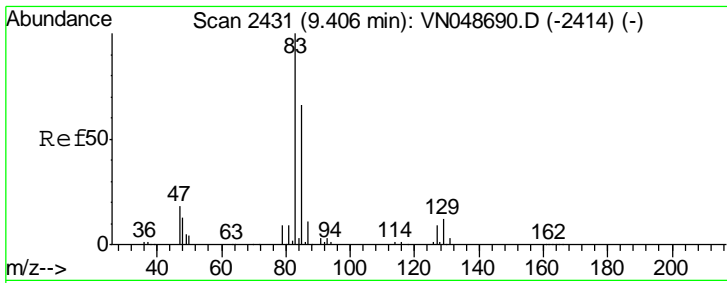
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#46
 Dibromomethane
 Concen: 51.33 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
93	100		
95	82.3	66.7	100.1
174	98.2	87.7	131.5



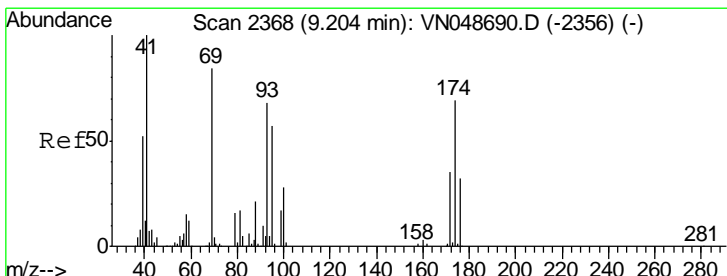
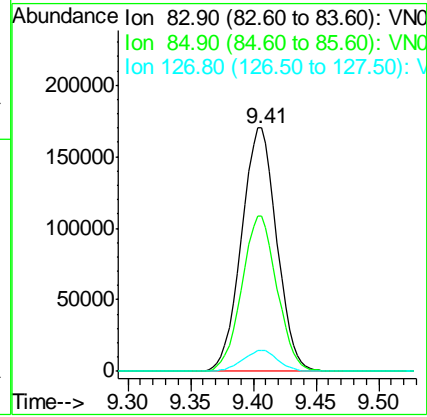
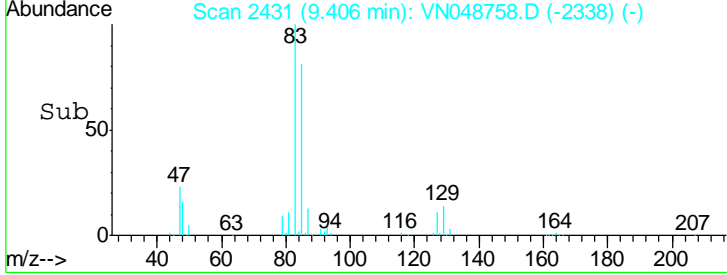
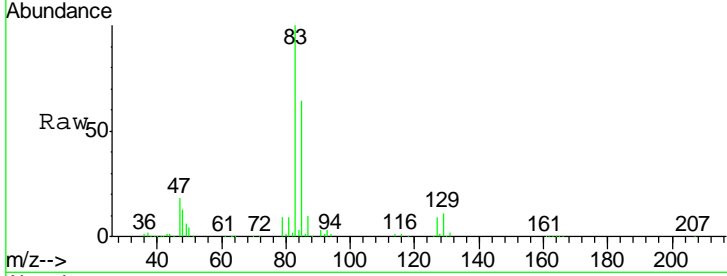


#47
 Bromodichloromethane
 Concen: 50.95 ug/l
 RT: 9.41 min Scan# 2431
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.6	52.1	78.1
127	8.6	7.3	10.9

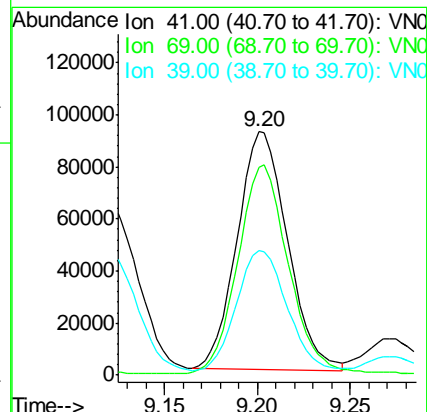
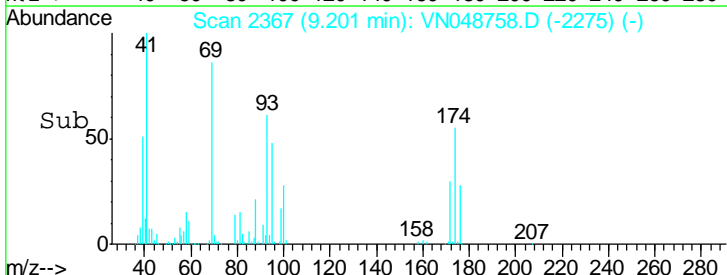
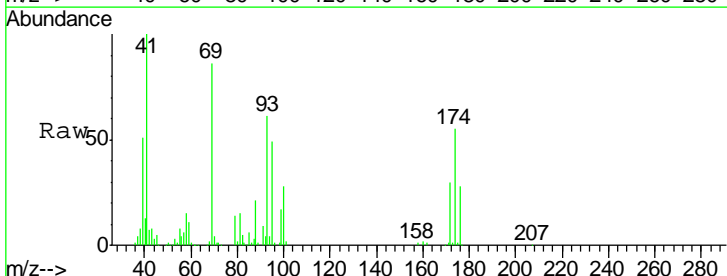
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

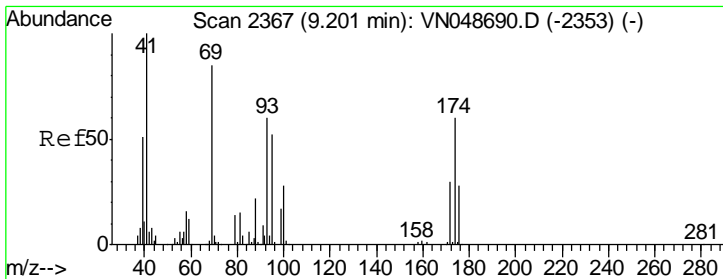
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#48
 Methyl methacrylate
 Concen: 49.22 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
41	100		
69	88.5	68.6	103.0
39	55.1	42.3	63.5





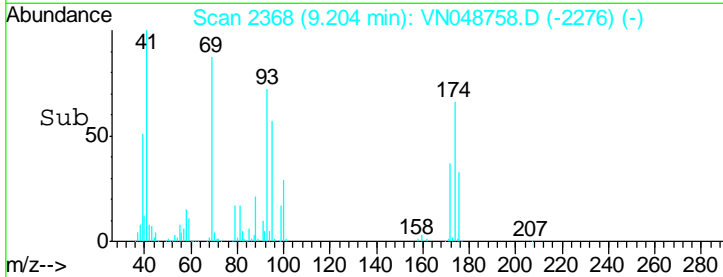
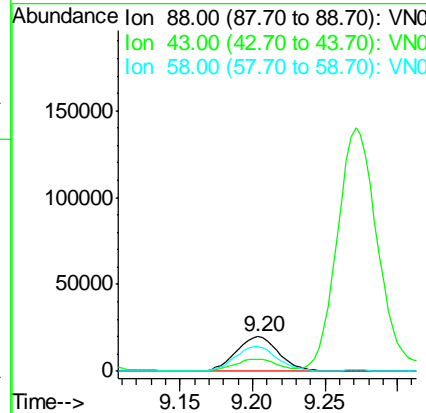
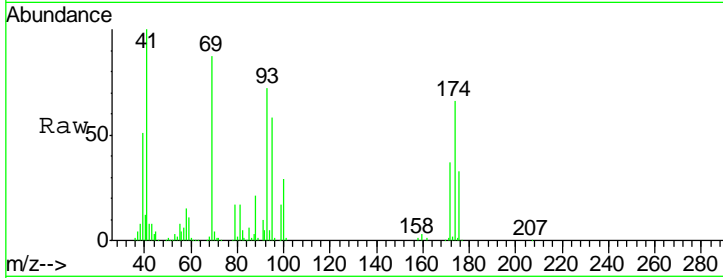
#49
 1,4-Dioxane
 Concen: 952.24 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
88	41040		
88	100		
43	33.3	27.6	41.4
58	71.6	57.0	85.6

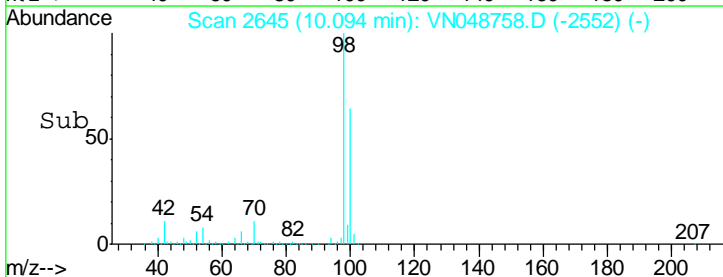
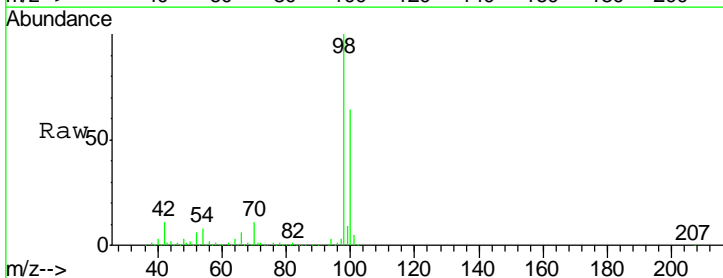
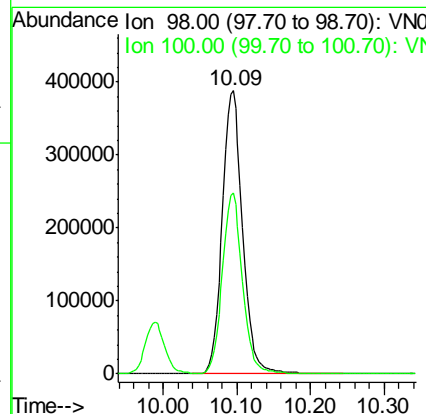
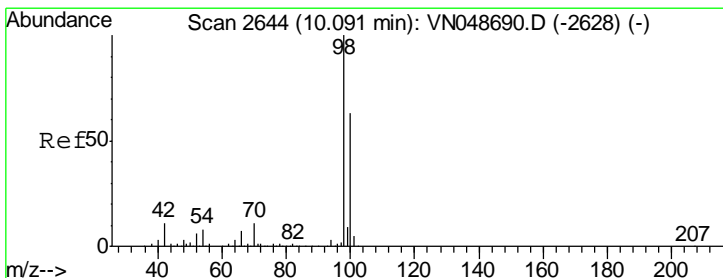
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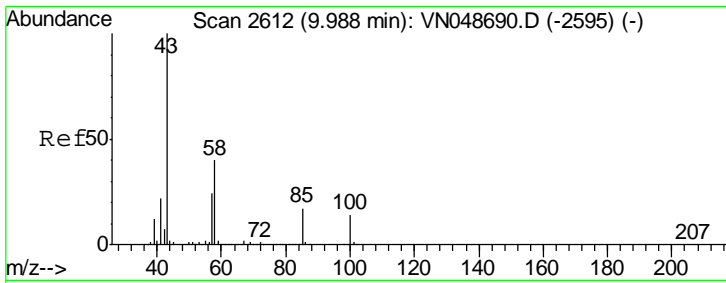
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#50
 Toluene-d8
 Concen: 49.95 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
98	740669		
98	100		
100	63.3	51.2	76.8



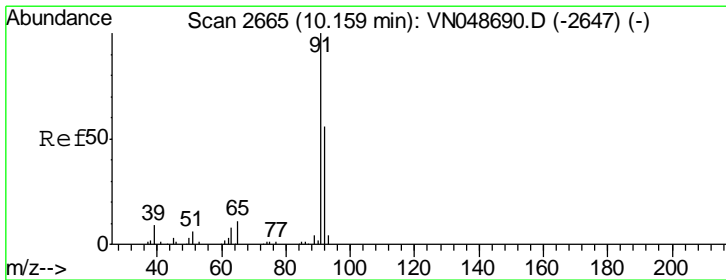
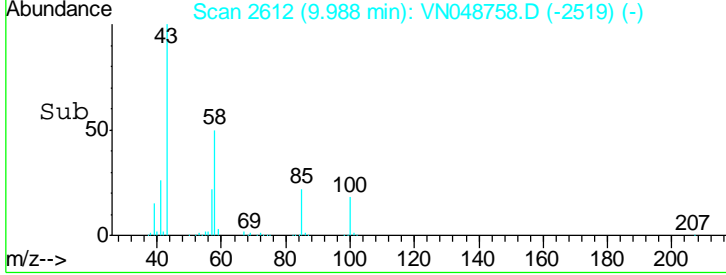
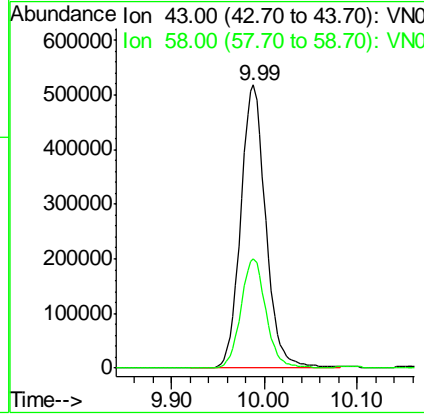
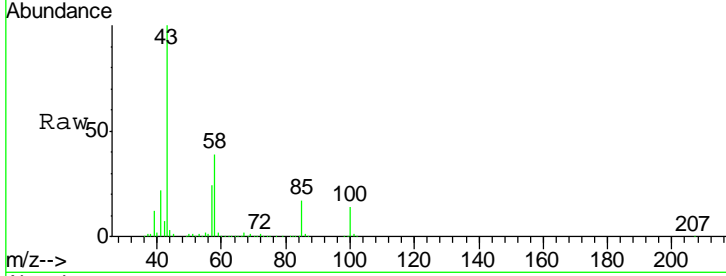


#51
 4-Methyl-2-Pentanone
 Concen: 254.78 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.6	31.0	46.6

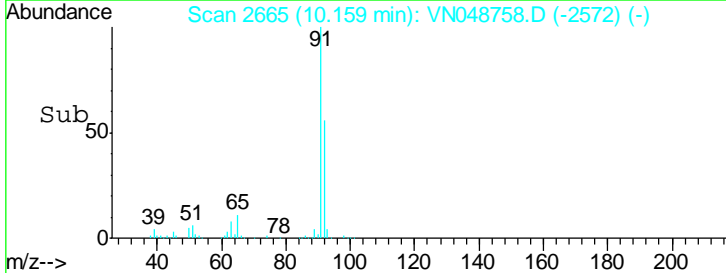
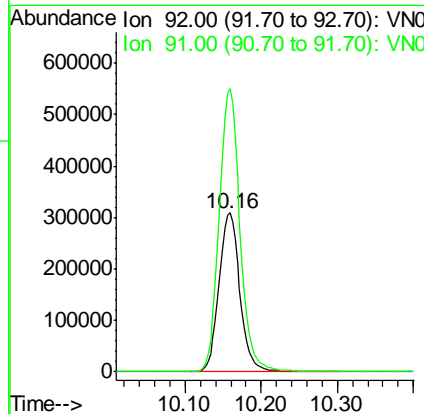
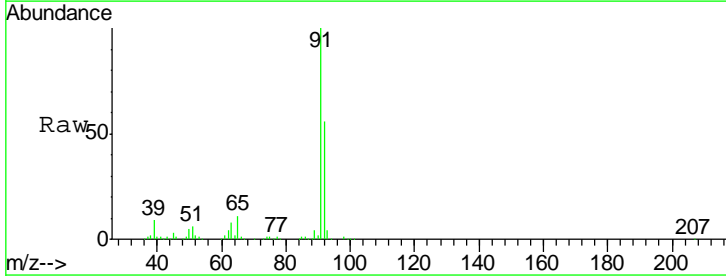
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

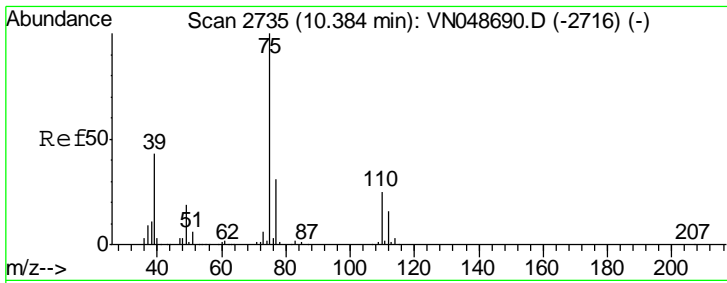
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#52
 Toluene
 Concen: 52.16 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
92	100		
91	177.9	141.0	211.4



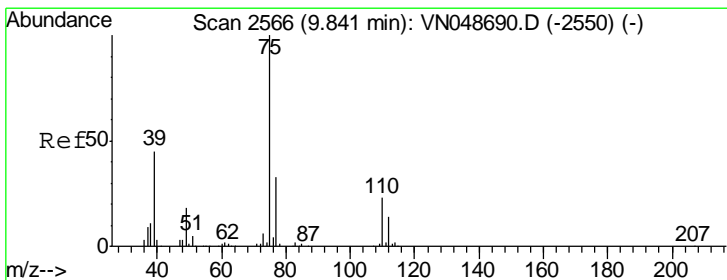
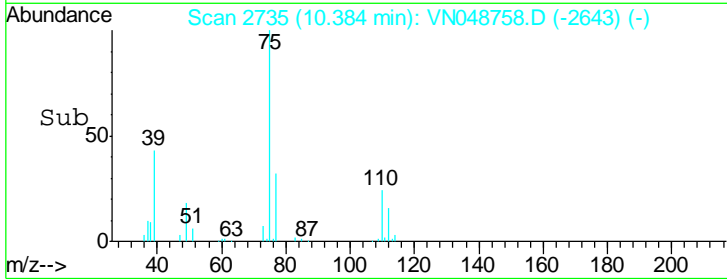
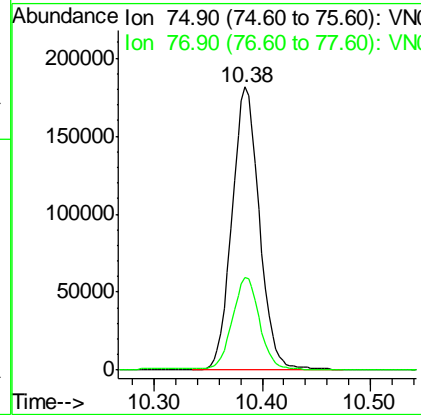
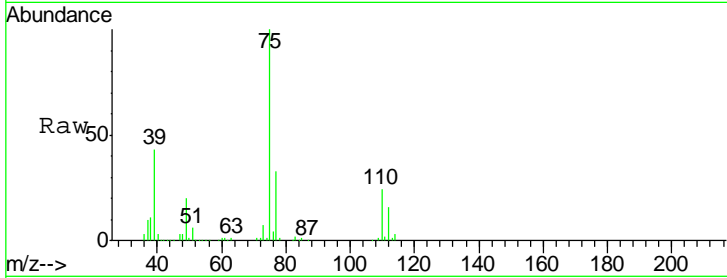


#53
 t-1,3-Dichloropropene
 Concen: 49.24 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

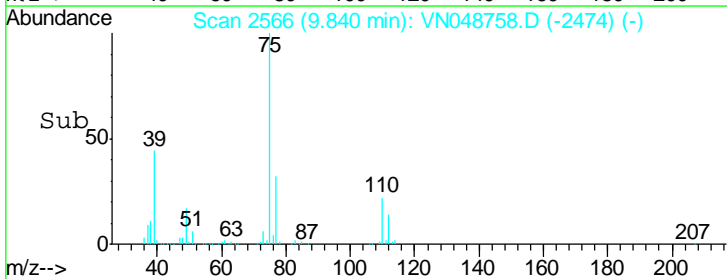
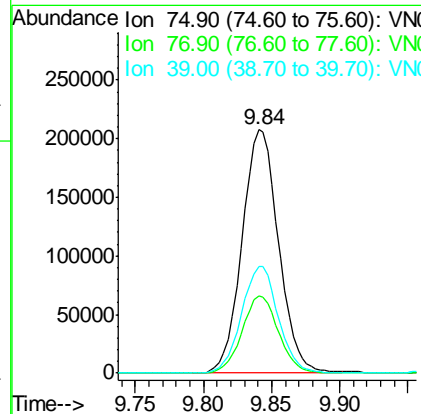
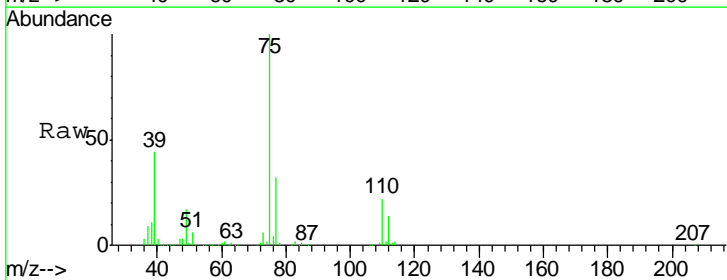
Tgt Ion	Resp	Lower	Upper
75	322879		
75	100		
77	32.5	24.9	37.3

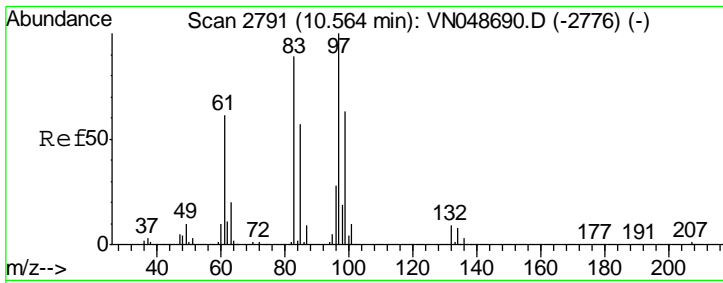
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#54
 cis-1,3-Dichloropropene
 Concen: 50.53 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

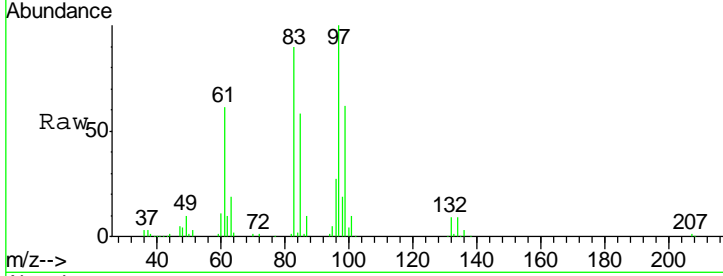
Tgt Ion	Resp	Lower	Upper
75	385391		
75	100		
77	31.8	25.1	37.7
39	43.7	36.7	55.1





#55
 1,1,2-Trichloroethane
 Concen: 52.05 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

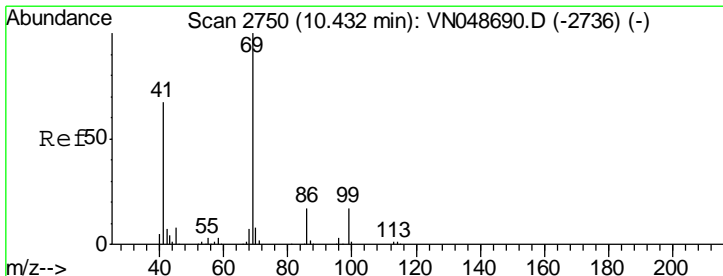
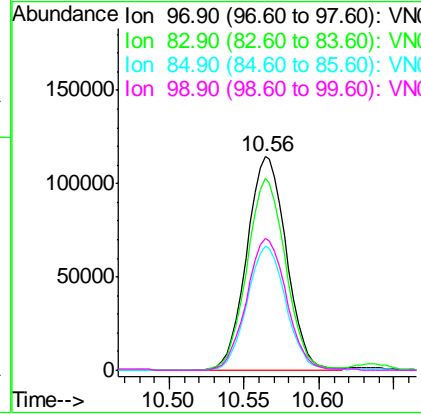
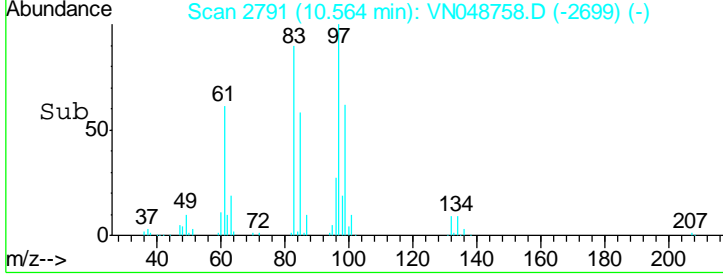
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



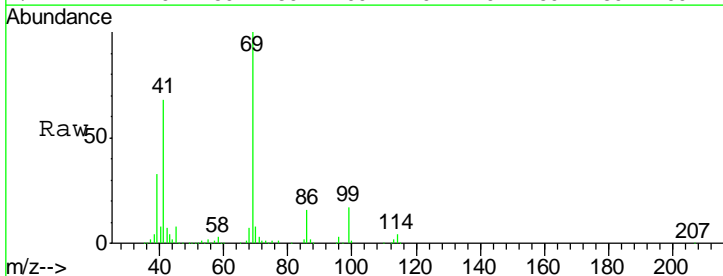
Tgt Ion: 97 Resp: 210684

Ion	Ratio	Lower	Upper
97	100		
83	89.7	68.7	103.1
85	57.9	43.4	65.2
99	61.9	49.6	74.4

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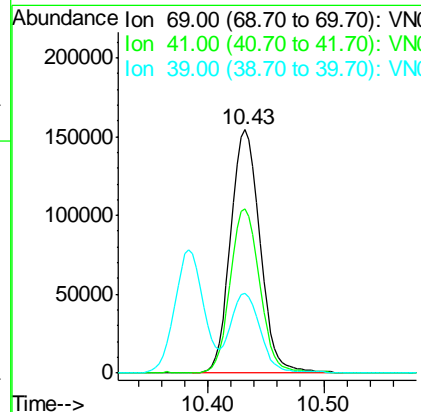
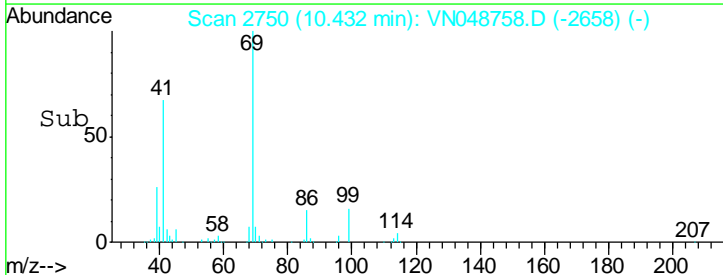


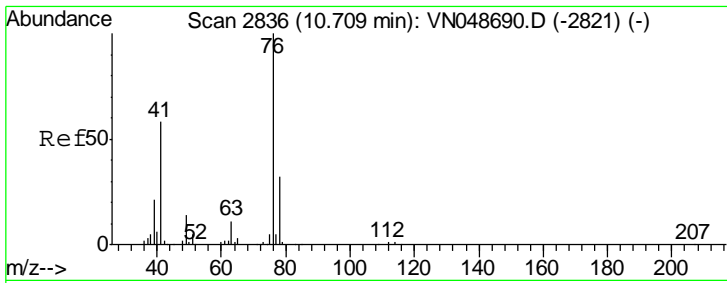
#56
 Ethyl methacrylate
 Concen: 47.94 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09



Tgt Ion: 69 Resp: 271114

Ion	Ratio	Lower	Upper
69	100		
41	67.2	52.3	78.5
39	33.2	26.4	39.6



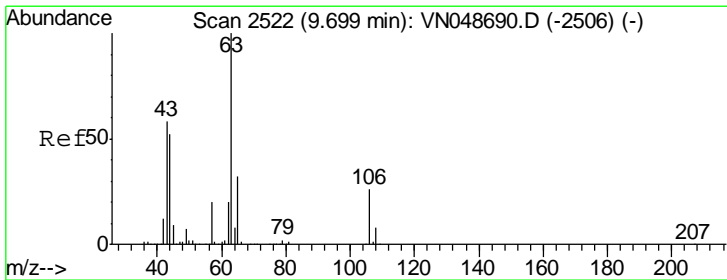
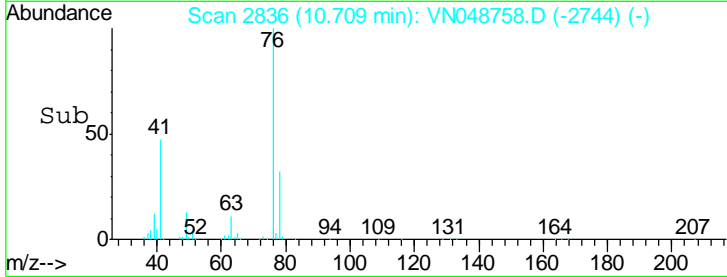
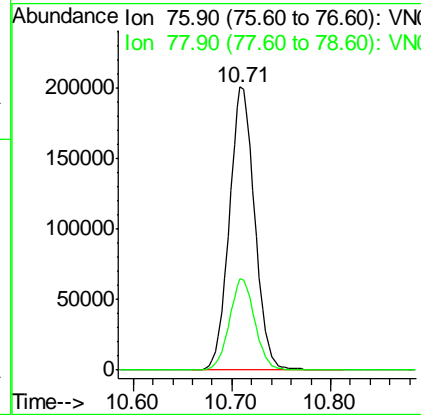
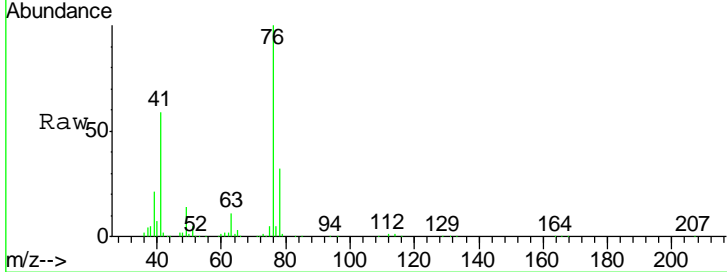


#57
 1,3-Dichloropropane
 Concen: 50.82 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

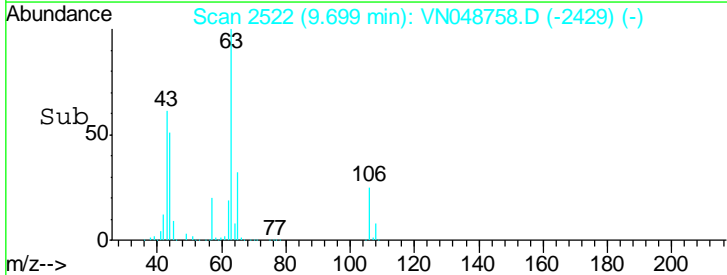
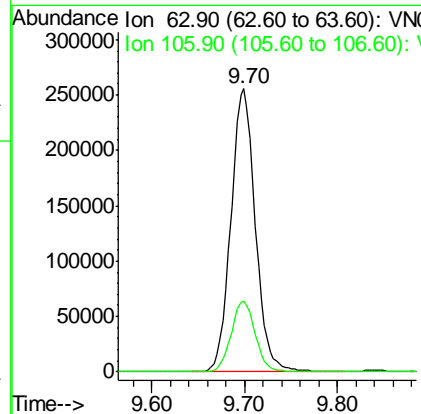
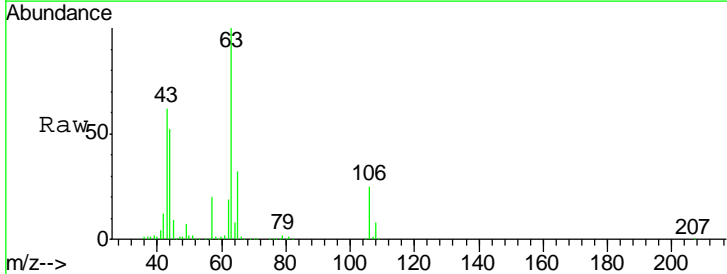
Tgt Ion	Resp	Lower	Upper
76	361234		
76	100		
78	32.2	25.7	38.5

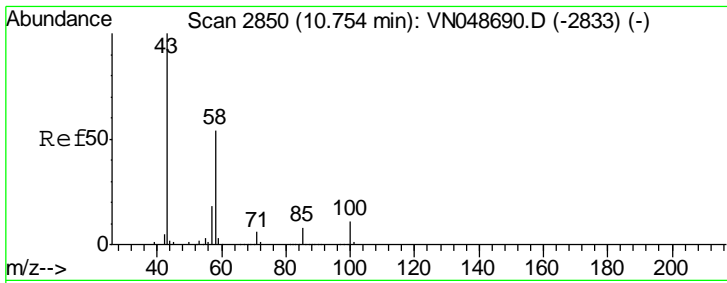
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#58
 2-Chloroethyl Vinyl ether
 Concen: 222.26 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
63	467491		
63	100		
106	24.8	21.3	31.9





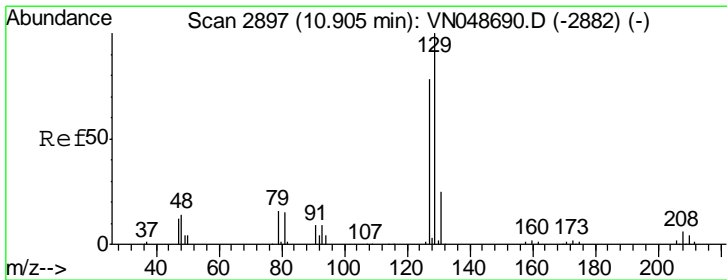
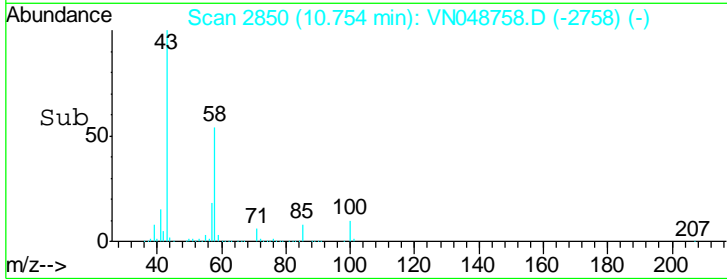
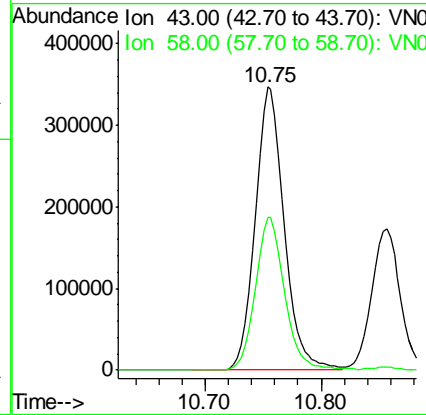
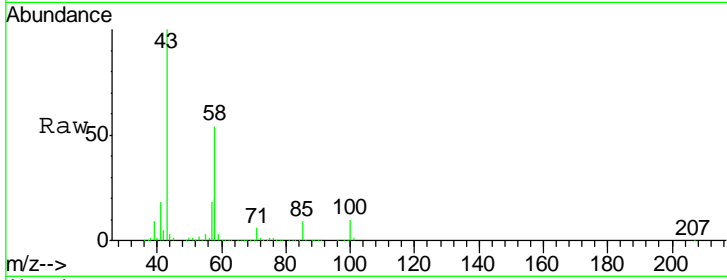
#59
 2-Hexanone
 Concen: 241.67 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	54.3	27.4	82.0

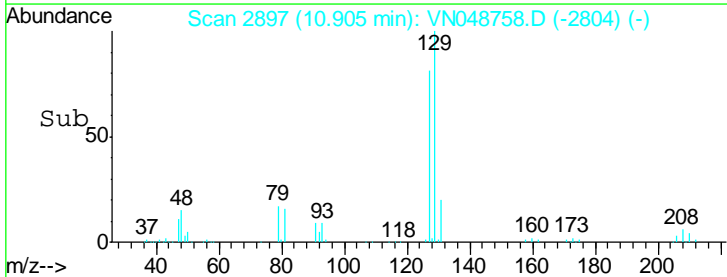
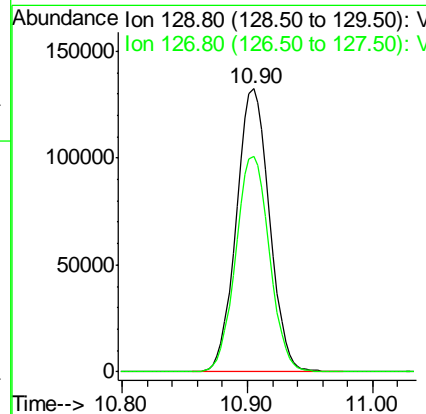
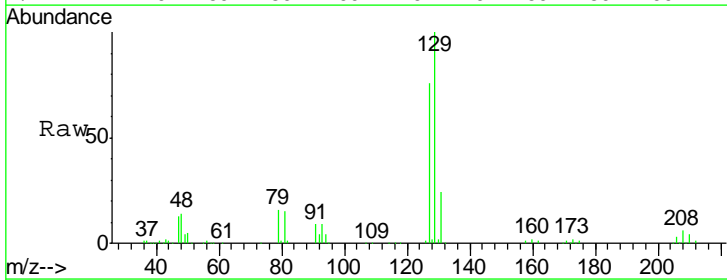
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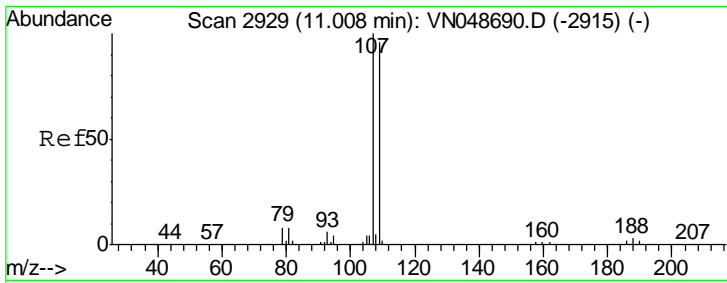
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#60
 Dibromochloromethane
 Concen: 51.26 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.5	38.8	116.4





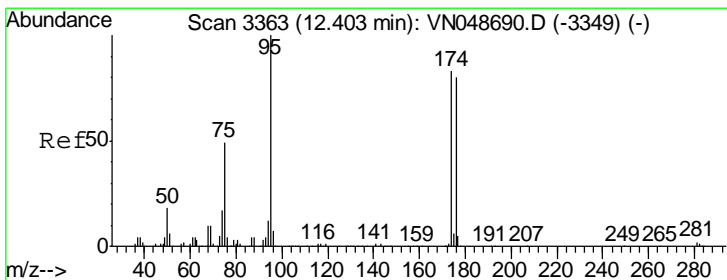
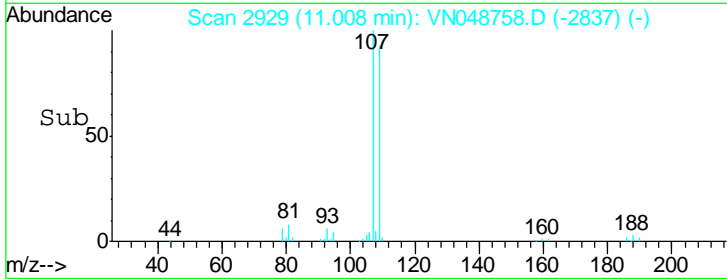
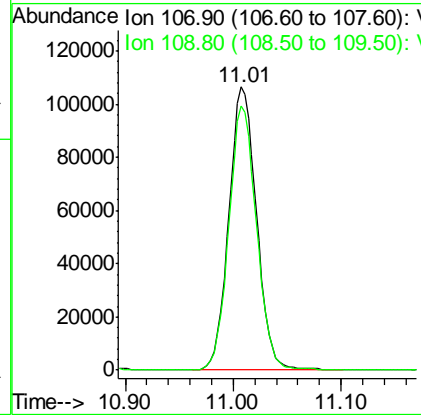
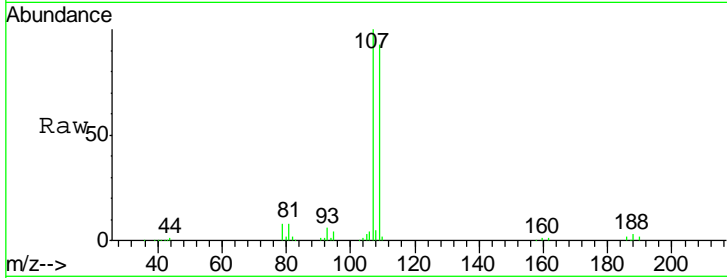
#61
 1,2-Dibromoethane
 Concen: 47.40 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
107	189400		
109	93.5	74.4	111.6

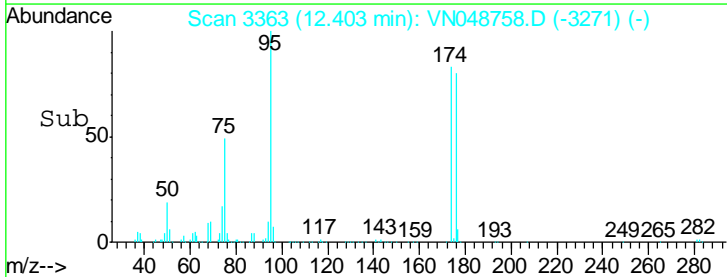
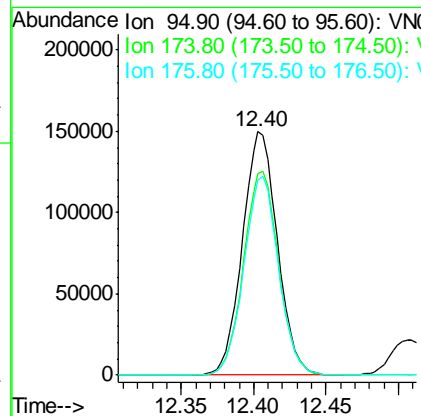
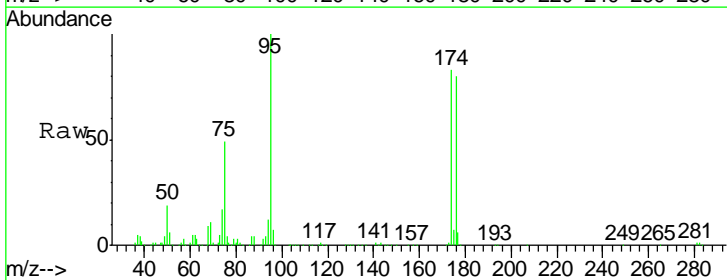
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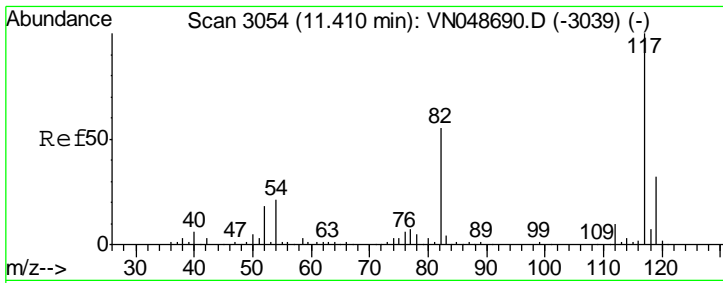
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#62
 4-Bromofluorobenzene
 Concen: 48.98 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

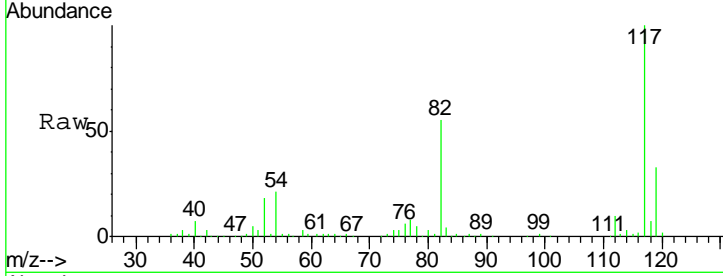
Tgt Ion	Resp	Lower	Upper
95	250689		
174	83.8	0.0	173.8
176	81.1	0.0	170.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

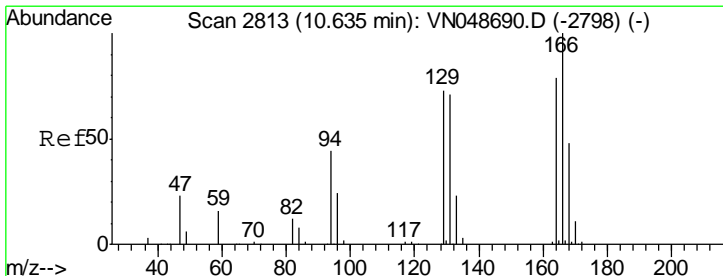
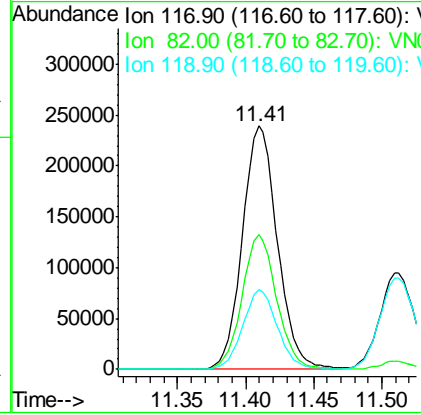
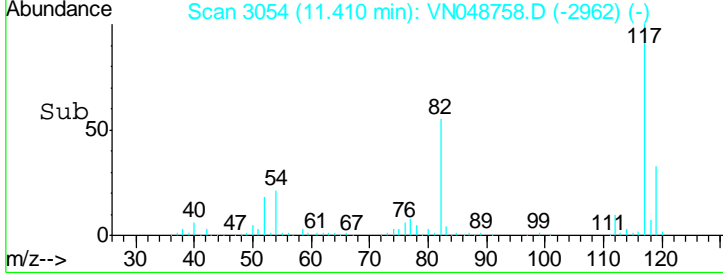
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



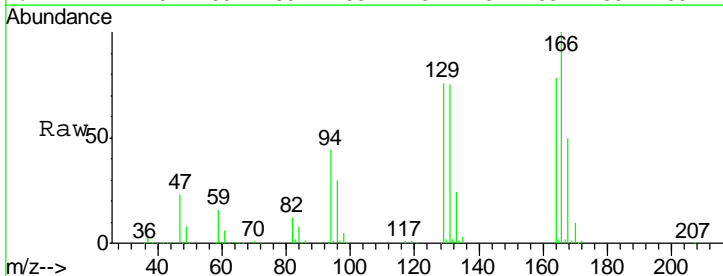
Tgt Ion: 117 Resp: 426937

Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.8	64.2
119	32.6	26.0	39.0

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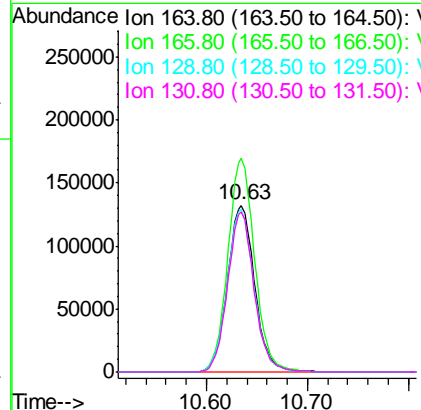
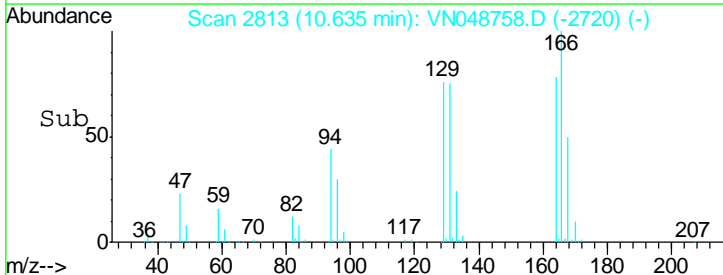


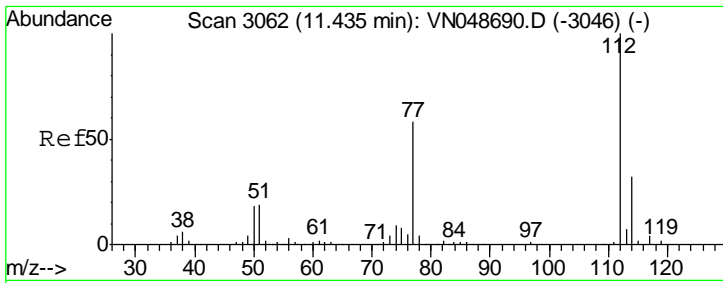
#64
 Tetrachloroethene
 Concen: 57.63 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09



Tgt Ion: 164 Resp: 249109

Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.7	154.1
129	97.4	74.3	111.5
131	96.4	71.4	107.0



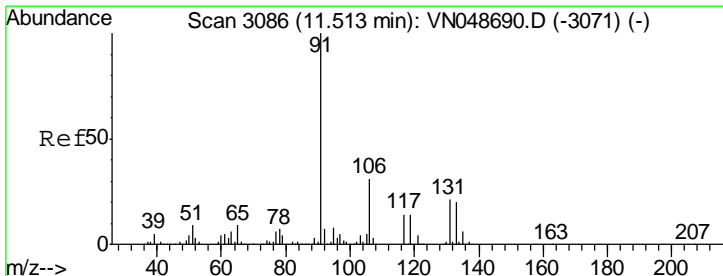
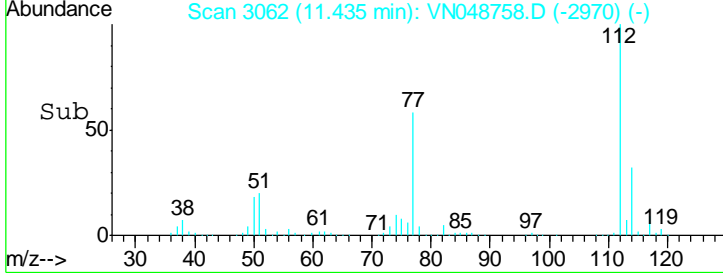
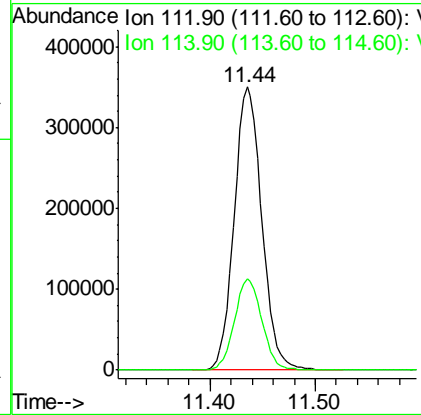
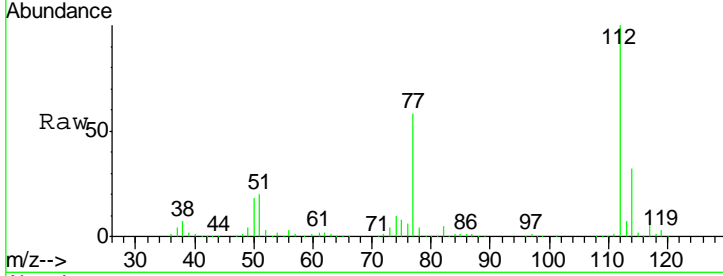


#65
 Chlorobenzene
 Concen: 50.65 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 Client Sampled : VSTDC050

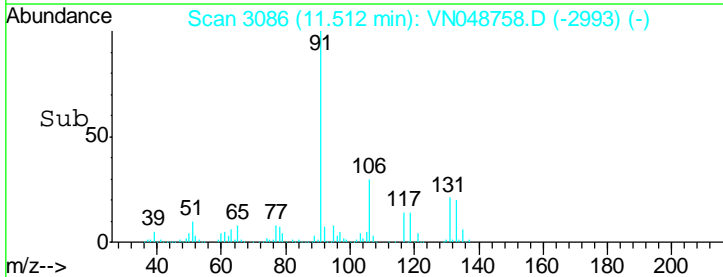
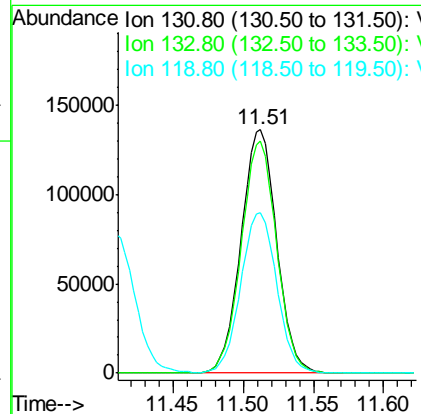
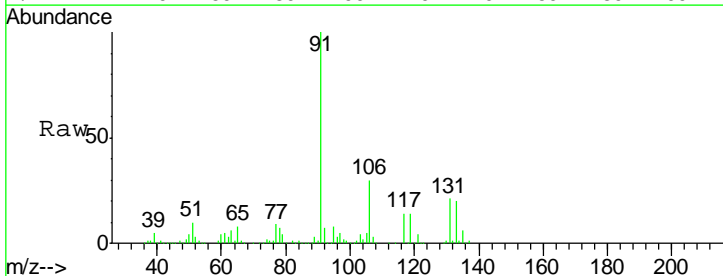
Tgt Ion	Resp	Lower	Upper
112	633317		
114	32.2	25.6	38.4

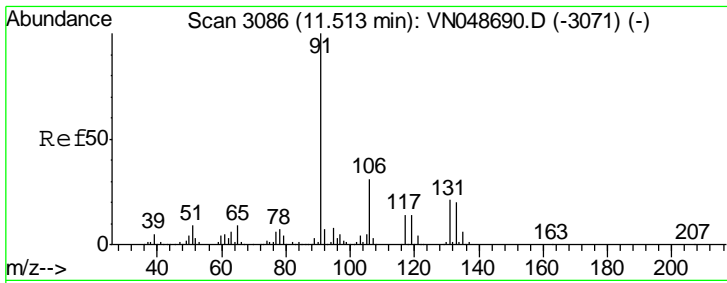
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.27 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
131	241289		
133	94.7	47.8	143.4
119	66.7	33.1	99.3





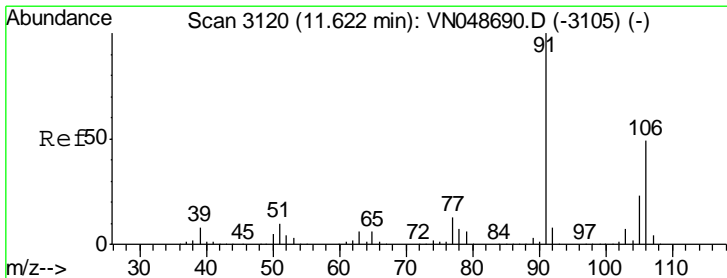
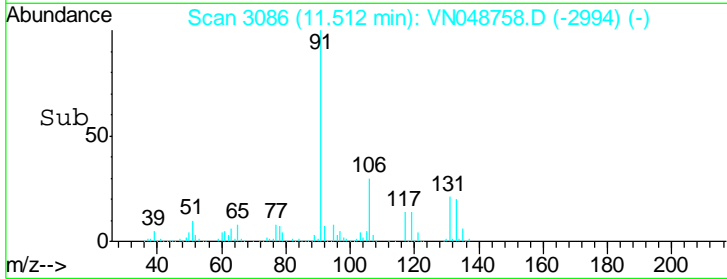
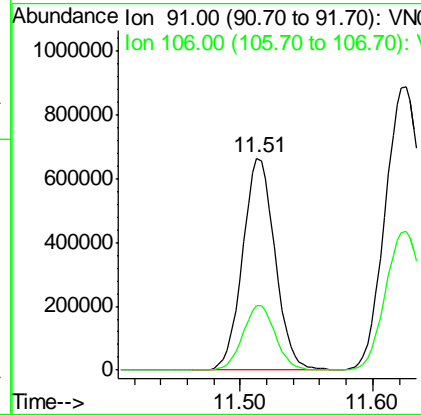
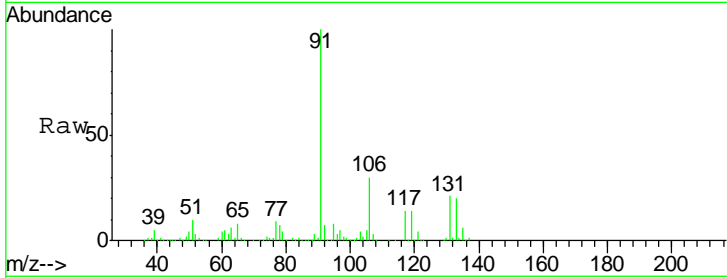
#67
 Ethyl Benzene
 Concen: 52.09 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion: 91 Resp: 1127591

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.9	37.3

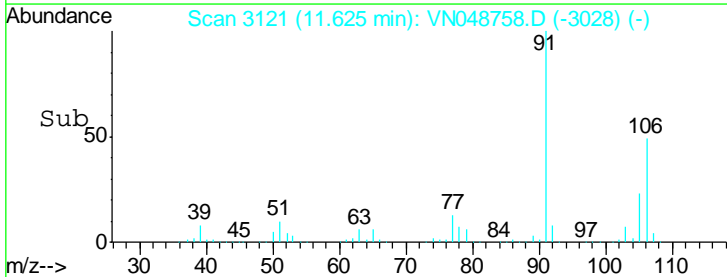
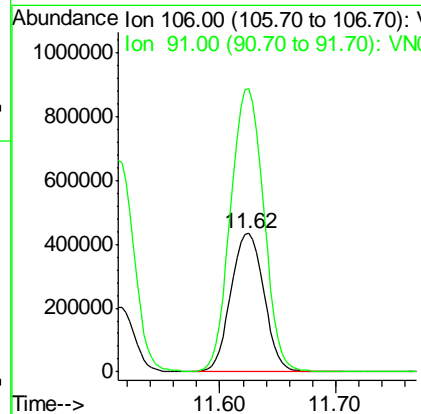
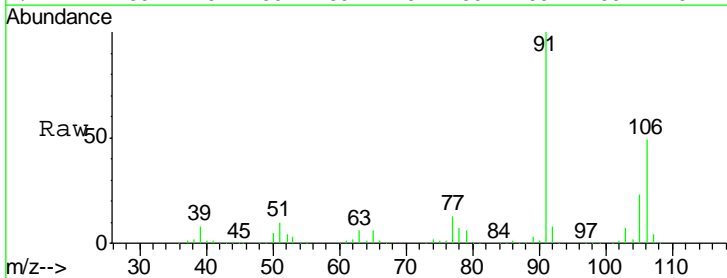
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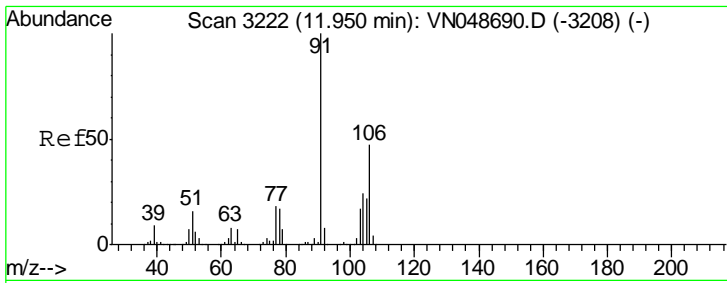


#68
 m/p-Xylenes
 Concen: 105.05 ug/l
 RT: 11.62 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion: 106 Resp: 857316

Ion	Ratio	Lower	Upper
106	100		
91	205.0	163.4	245.0



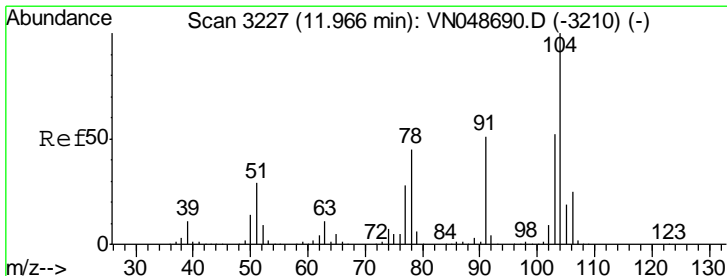
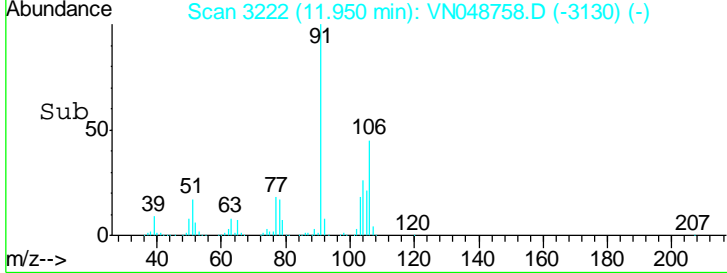
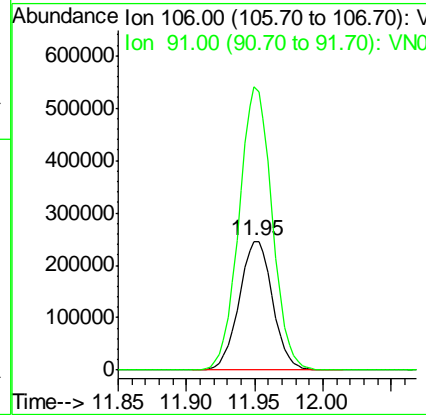
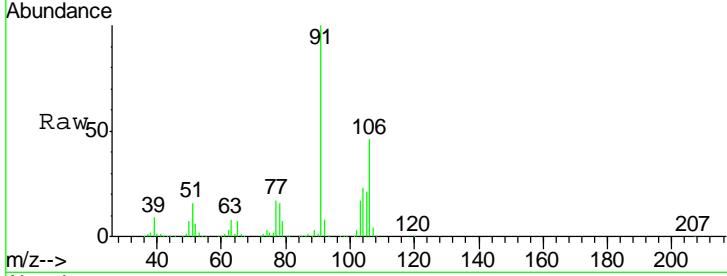


#69
 o-Xylene
 Concen: 53.25 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDC050

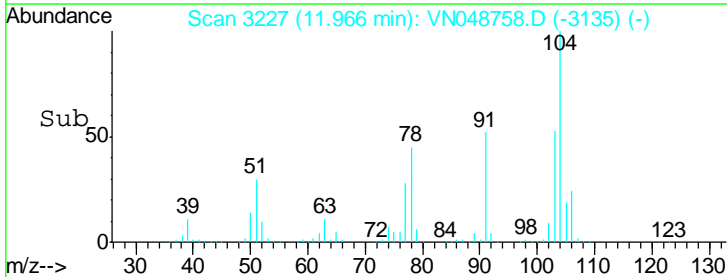
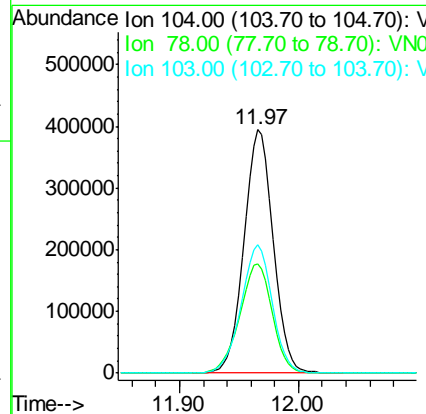
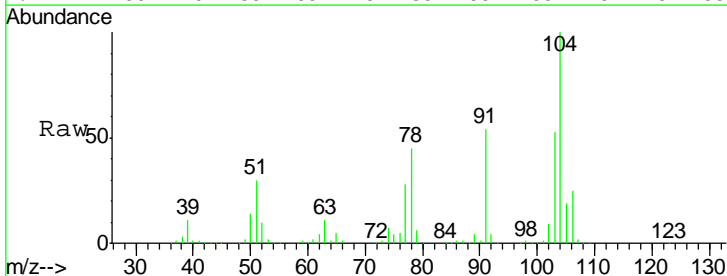
Tgt Ion	Resp	Lower	Upper
106	419097		
106	100		
91	216.7	107.9	323.7

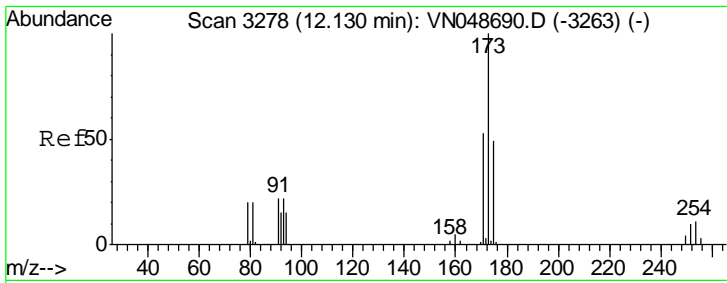
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#70
 Styrene
 Concen: 54.23 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
104	671076		
104	100		
78	49.8	39.8	59.8
103	56.2	44.6	66.8





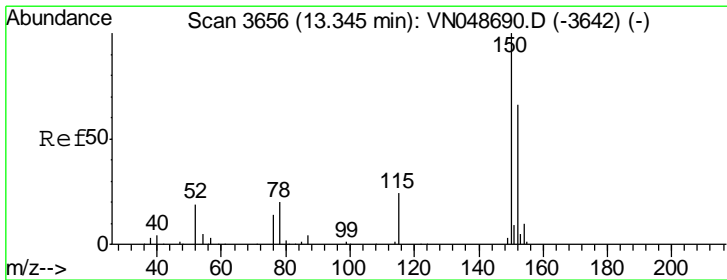
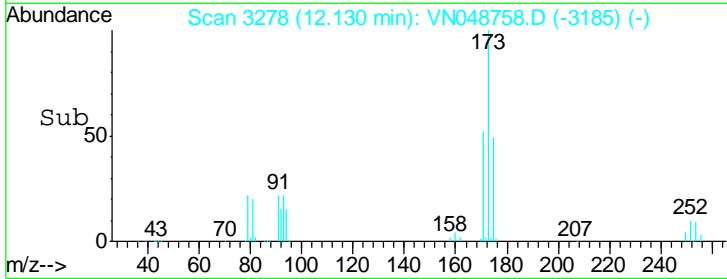
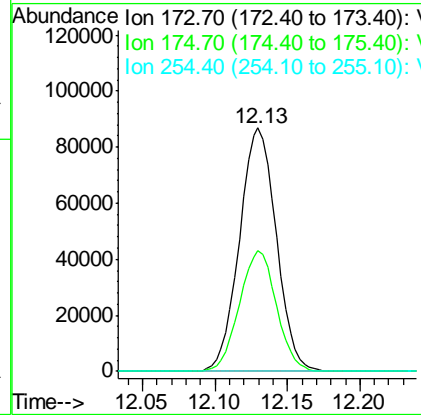
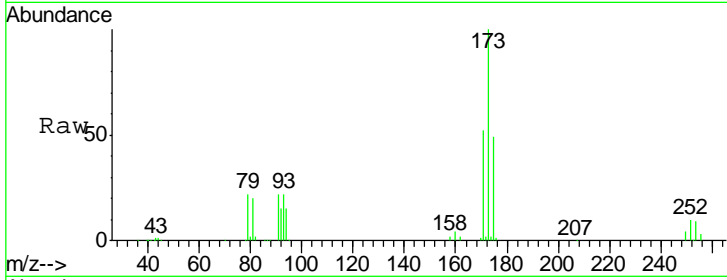
#71
 Bromoform
 Concen: 50.36 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
173	153273		
175	49.7	23.9	71.8
254	0.0	0.0	0.0

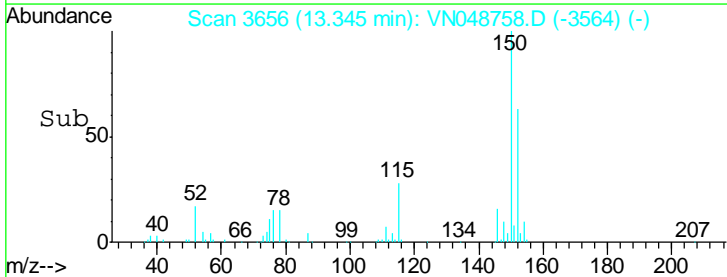
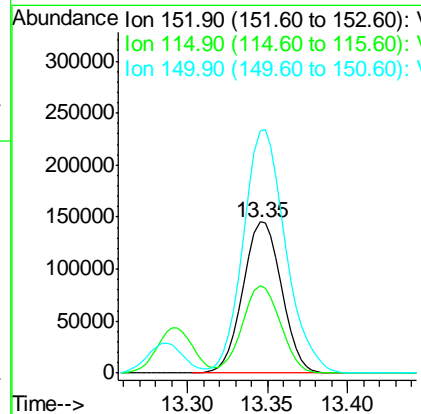
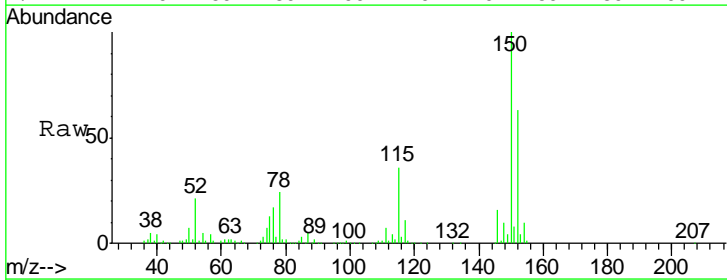
Manual Integrations
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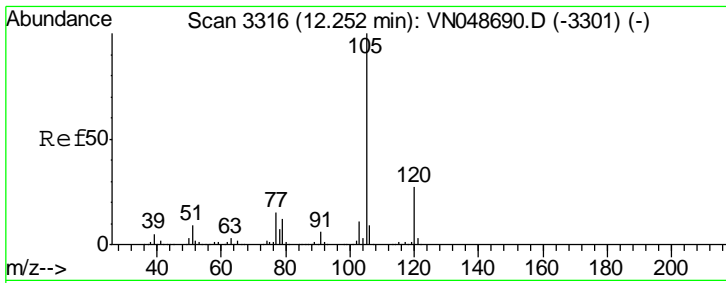
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 5/31/2018 3:07:10 PM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
152	239450		
152	100		
115	57.2	28.1	84.4
150	176.3	0.0	353.0





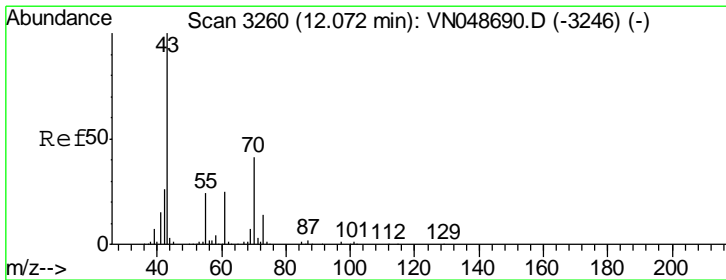
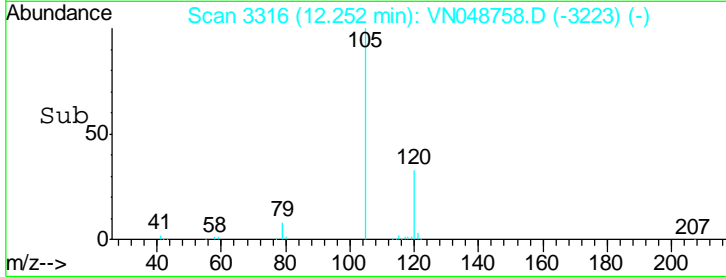
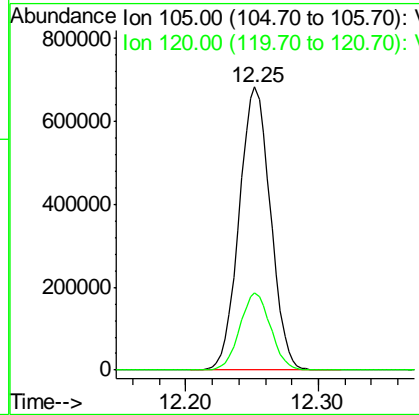
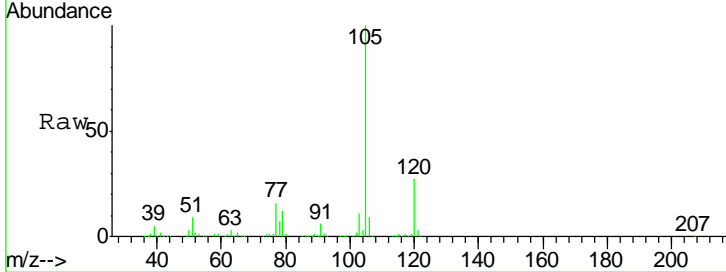
#73
 Isopropylbenzene
 Concen: 52.16 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

Tgt Ion: 105 Resp: 1116688

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

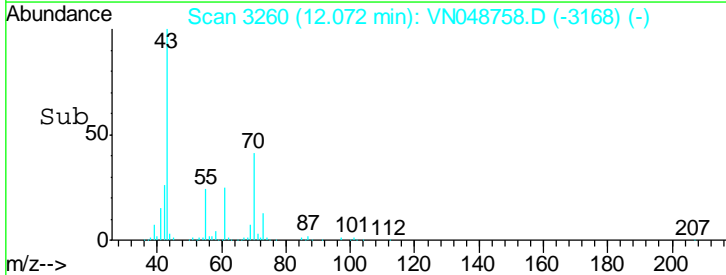
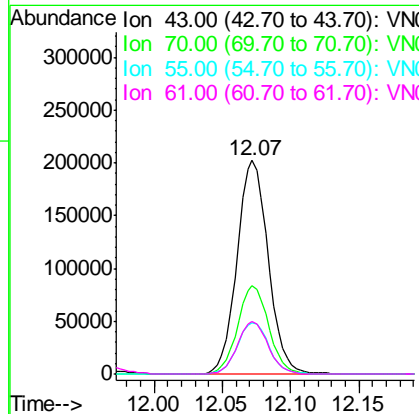
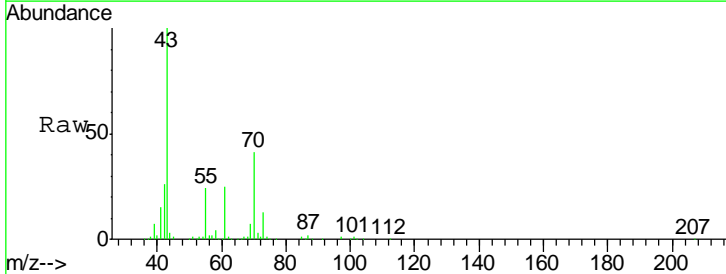
Manual Integrations
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 MMDadoda
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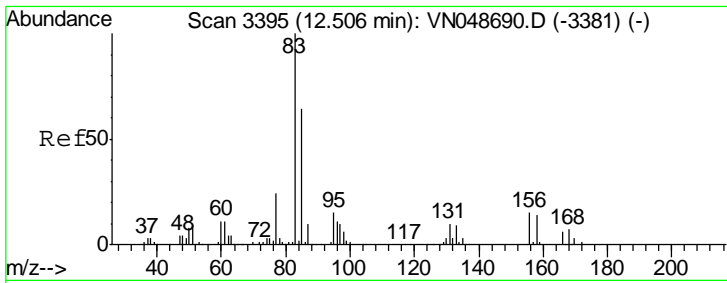


#74
 N-amyl acetate
 Concen: 50.97 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion: 43 Resp: 321339

Ion	Ratio	Lower	Upper
43	100		
70	41.3	33.7	50.5
55	24.4	19.3	28.9
61	24.3	19.4	29.2



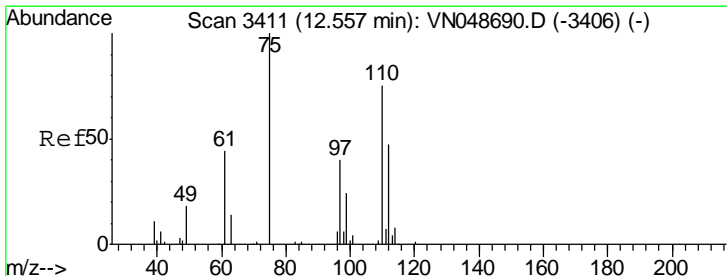
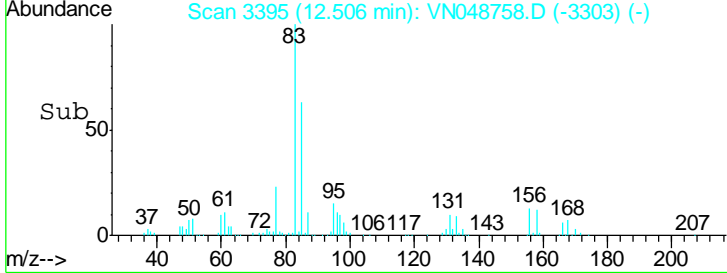
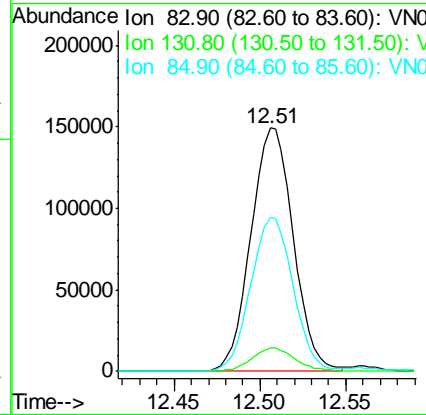
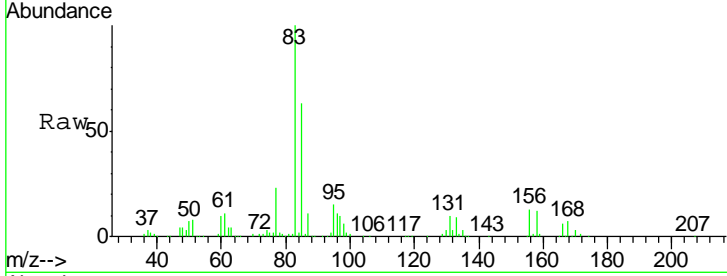


#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.50 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

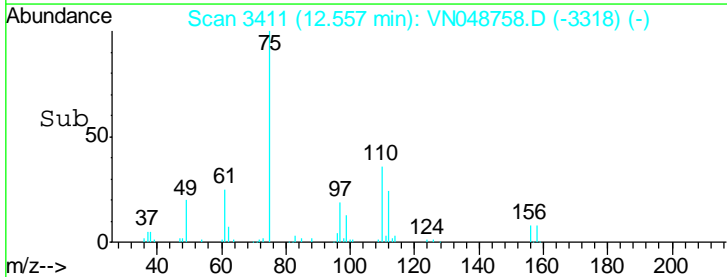
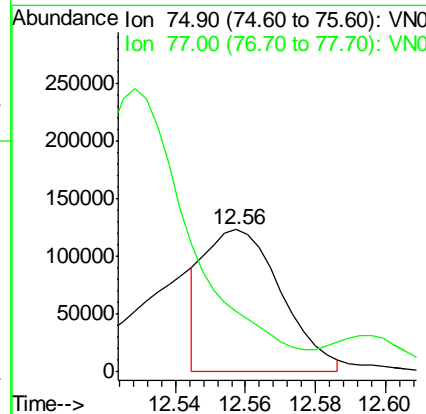
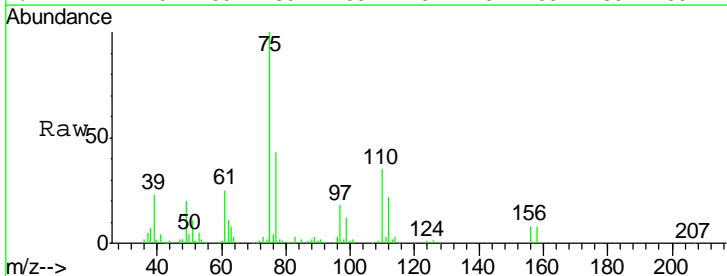
Tgt Ion	Resp	Lower	Upper
83	100		
131	9.8	5.3	15.8
85	63.2	32.4	97.0

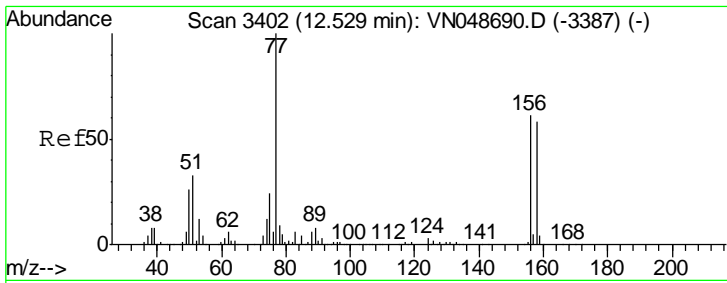
Manual Integrations
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 5/31/2018 3:07:10 PM



#76
 1,2,3-Trichloropropane
 Concen: 45.39 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0



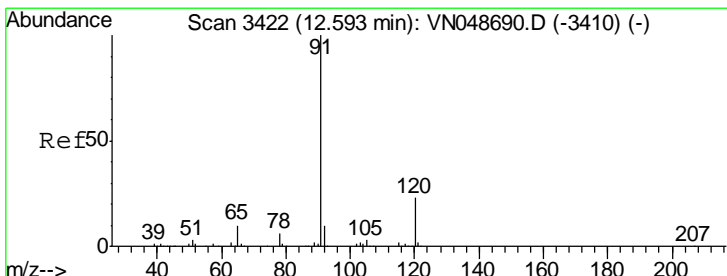
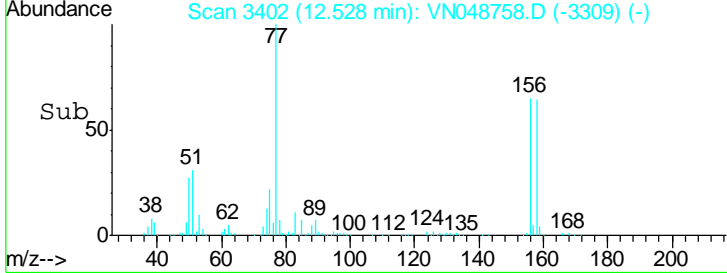
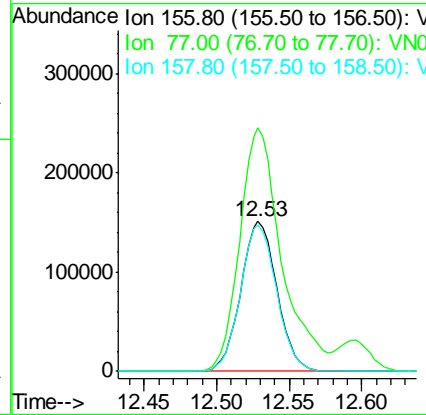
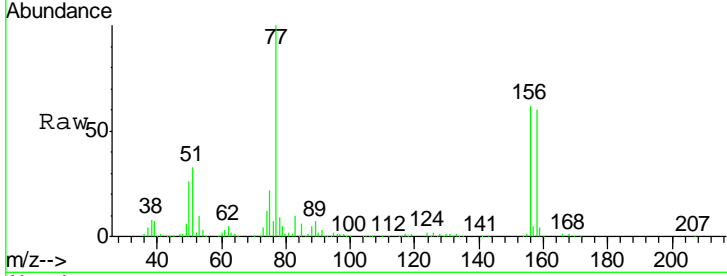


#77
 Bromobenzene
 Concen: 50.09 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

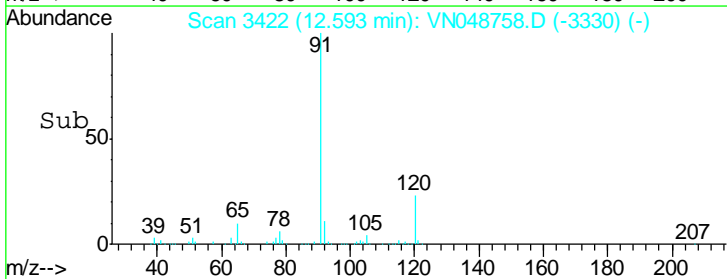
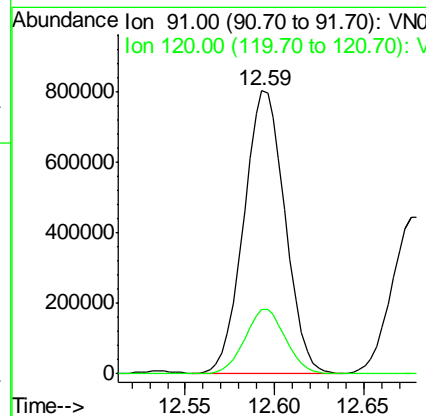
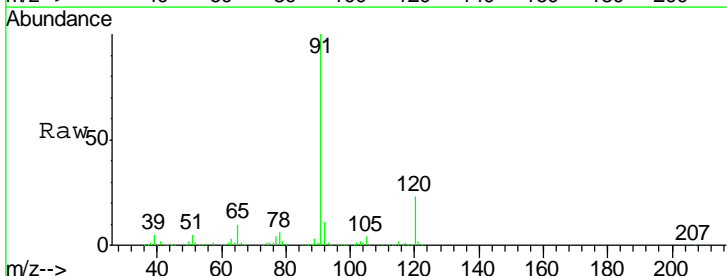
Tgt Ion	Resp	Lower	Upper
156	260783		
77	189.2	93.3	280.1
158	98.1	48.9	146.6

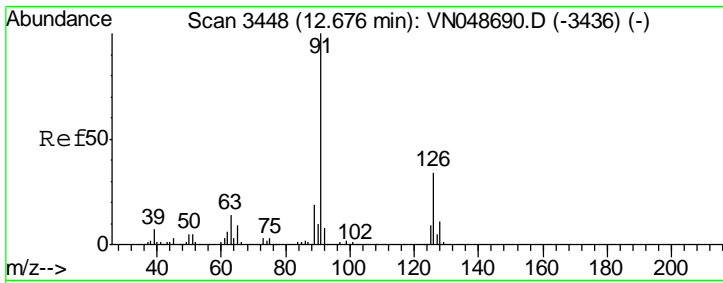
Manual Integrations
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#78
 n-propylbenzene
 Concen: 52.54 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
91	1291847		
120	22.7	11.7	35.1



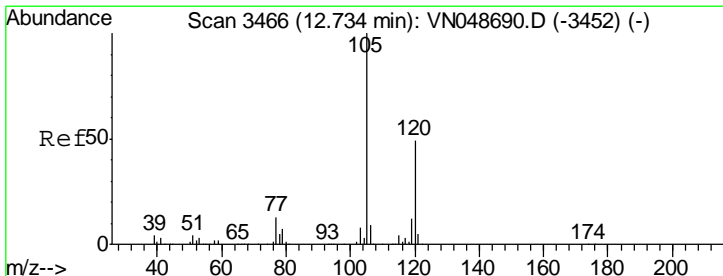
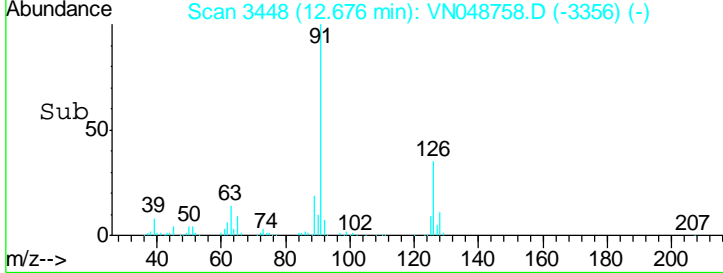
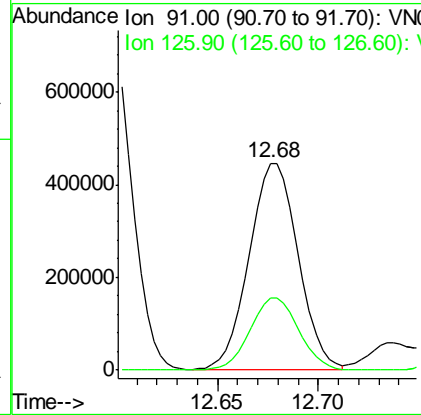
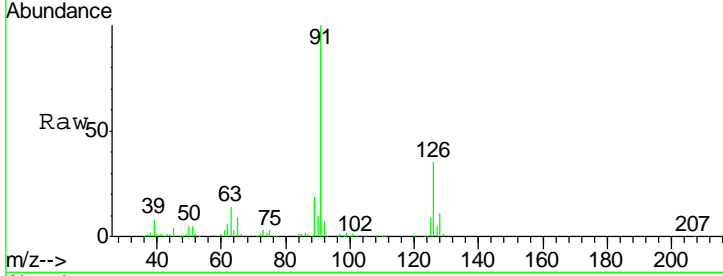


#79
 2-Chlorotoluene
 Concen: 51.42 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

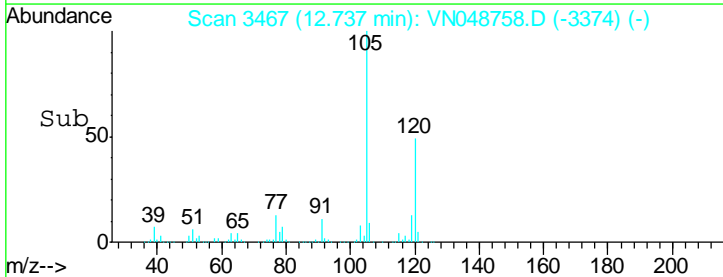
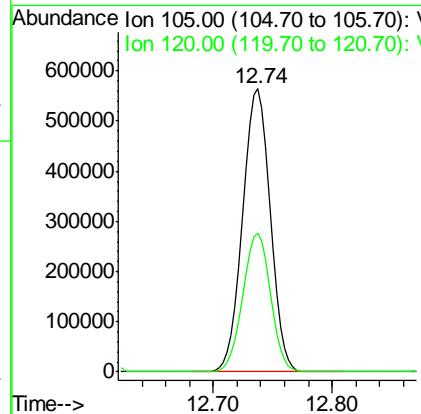
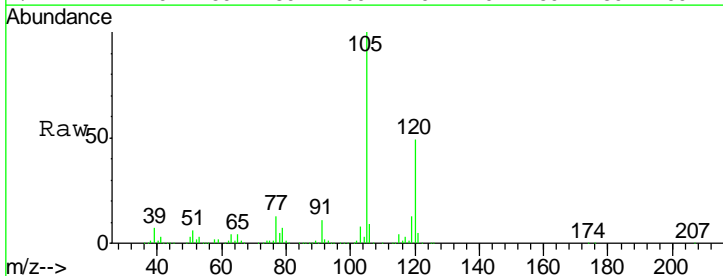
Tgt Ion	Resp	Lower	Upper
91	100		
126	34.9	17.5	52.5

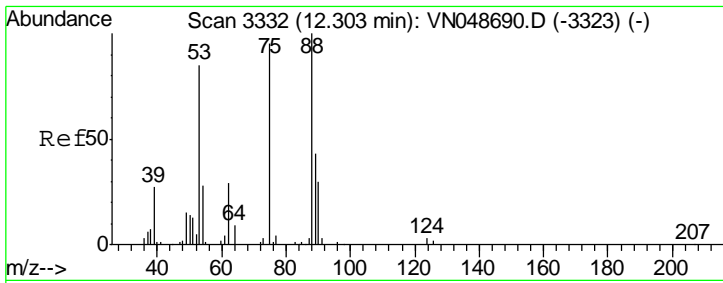
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.69 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
105	100		
120	48.9	24.3	72.9



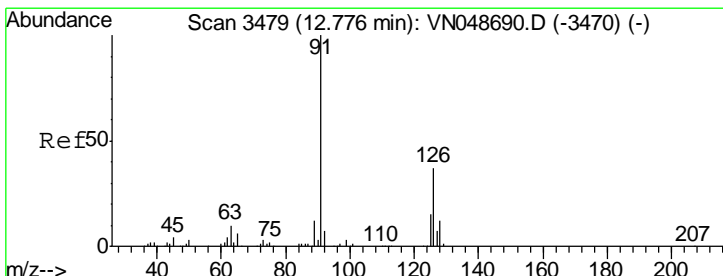
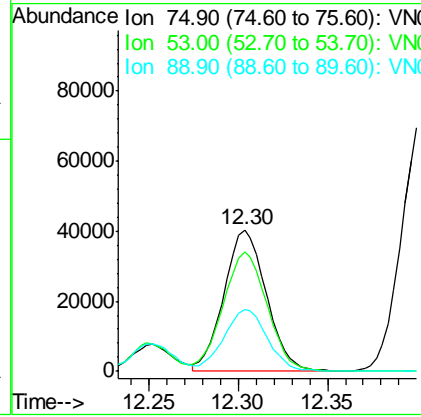
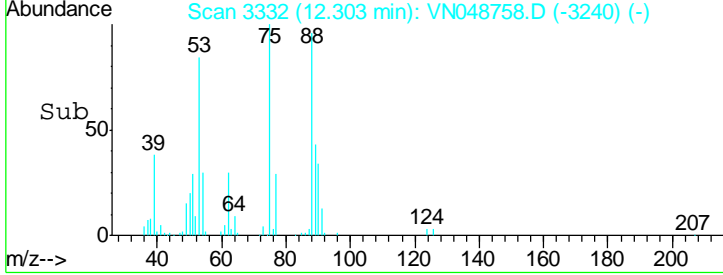
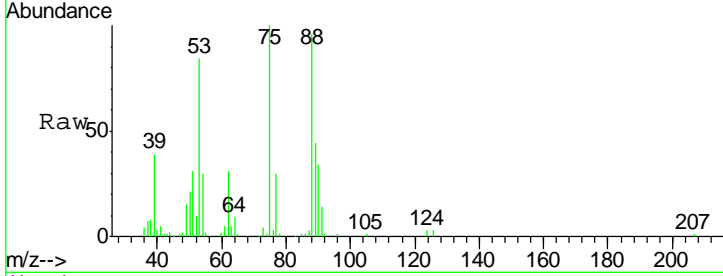


#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.48 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

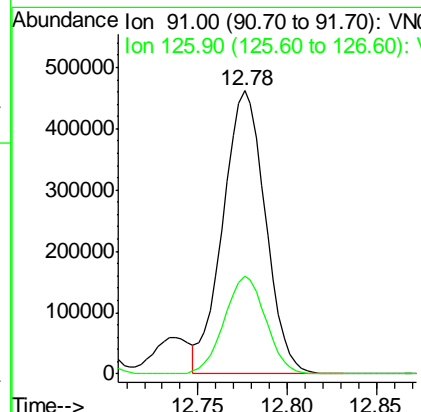
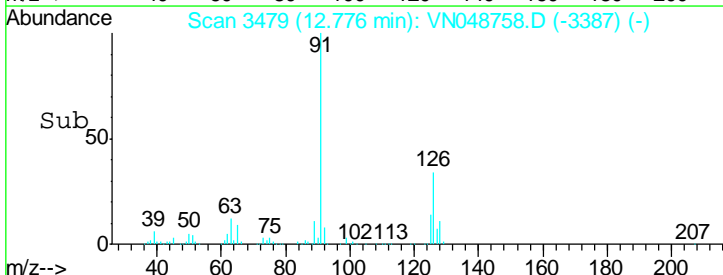
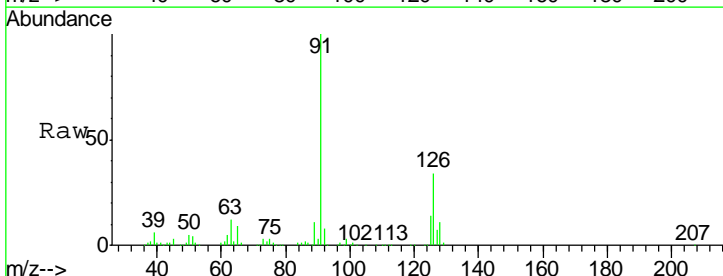
Tgt Ion	Resp	Lower	Upper
75	66622		
75	100		
53	88.2	72.0	108.0
89	45.1	35.2	52.8

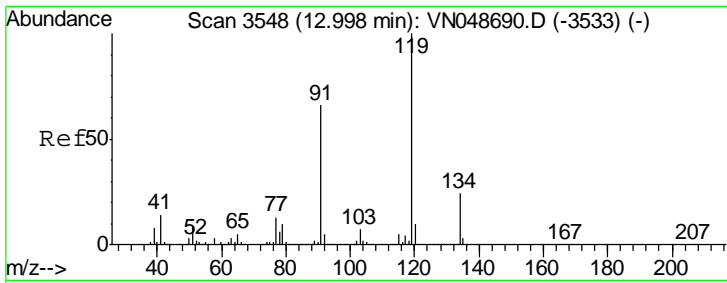
Manual Integrations
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#82
 4-Chlorotoluene
 Concen: 52.05 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
91	762380		
91	100		
126	33.8	17.2	51.6



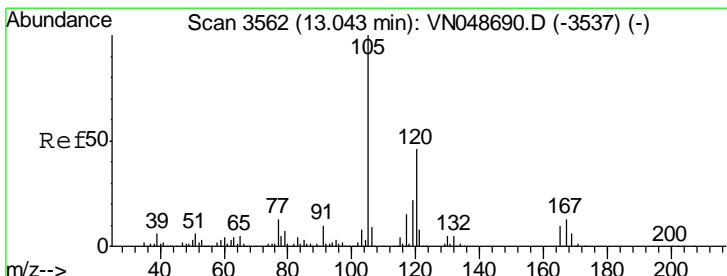
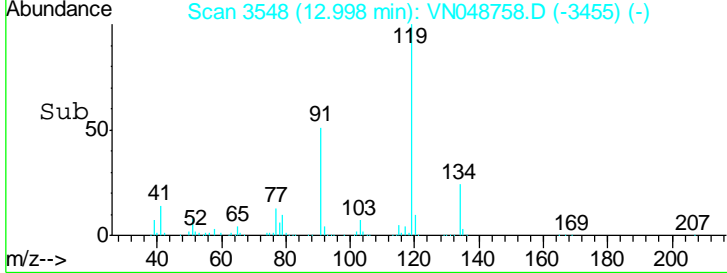
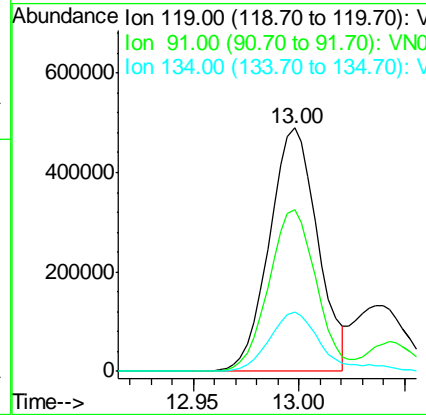
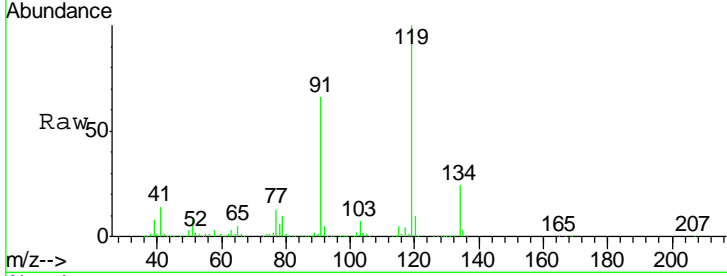


#83
 tert-Butylbenzene
 Concen: 50.79 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

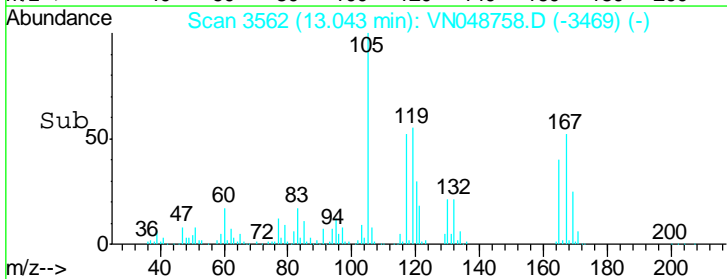
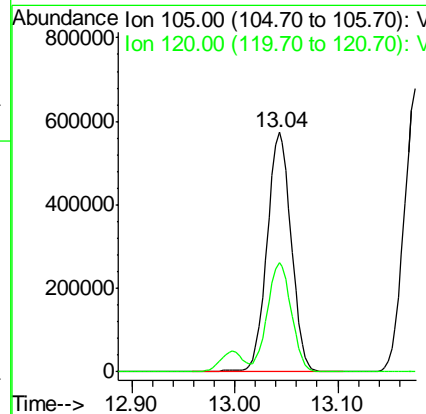
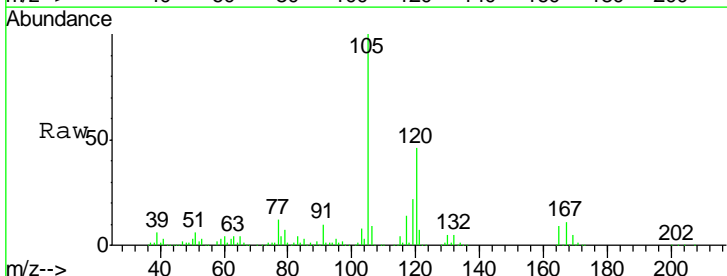
Tgt Ion	Resp	Lower	Upper
119	779375		
91	65.1	32.2	96.6
134	26.5	13.3	39.9

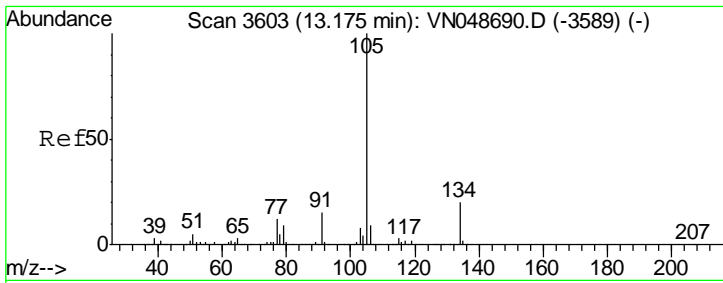
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.49 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
105	927362		
120	45.6	22.7	68.0



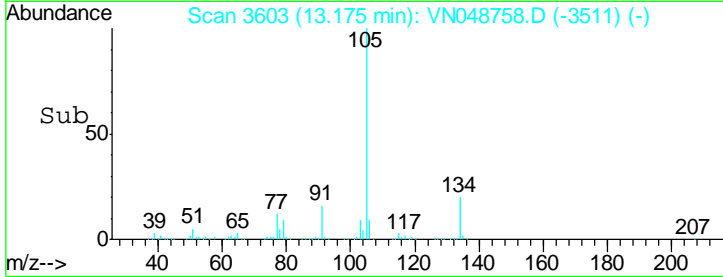
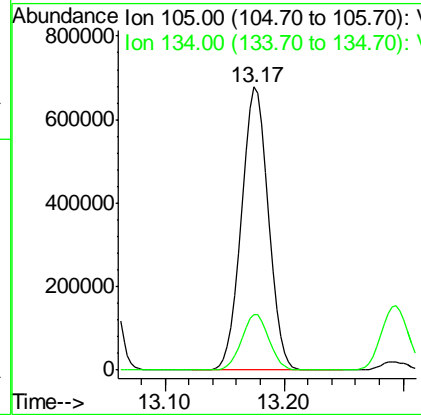
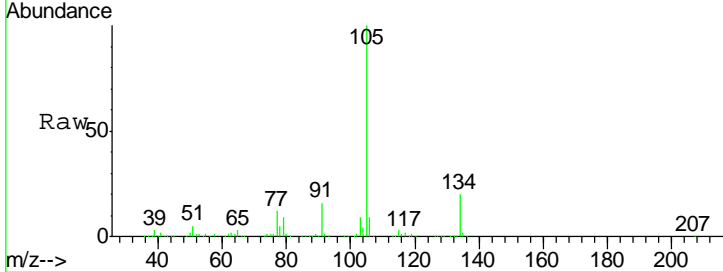


#85
 sec-Butylbenzene
 Concen: 52.23 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

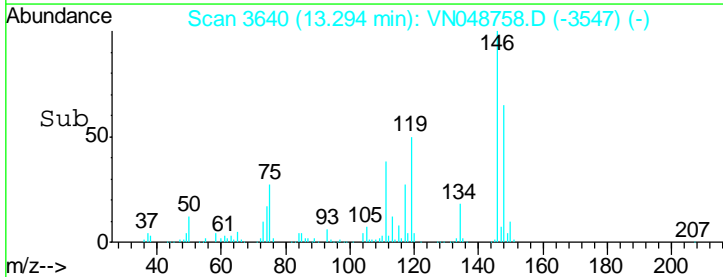
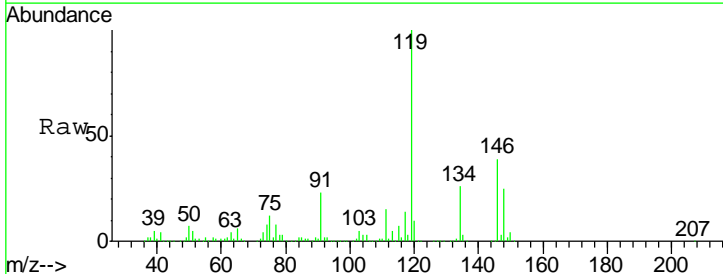
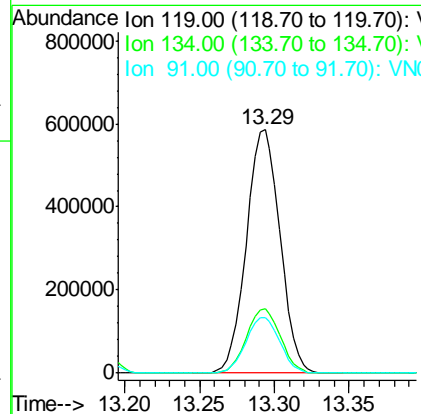
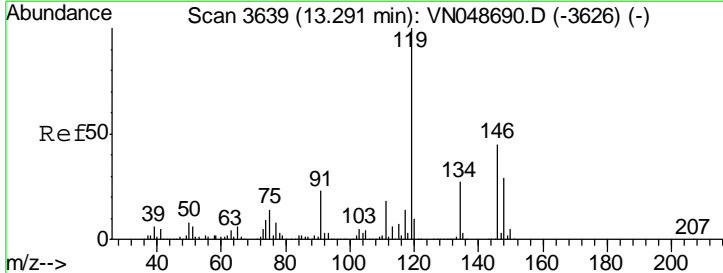
Tgt Ion	Resp	Lower	Upper
105	1063130		
134	20.0	10.1	30.3

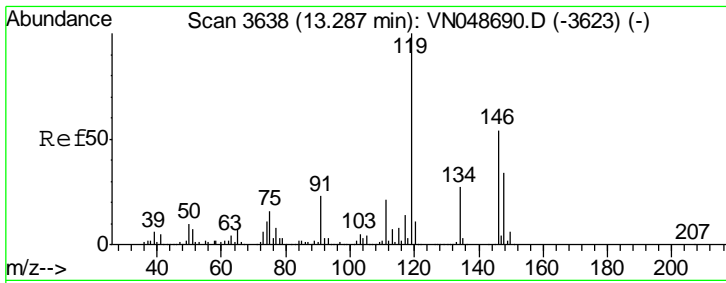
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 52.59 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
119	912973		
134	26.8	13.5	40.4
91	23.2	11.4	34.2



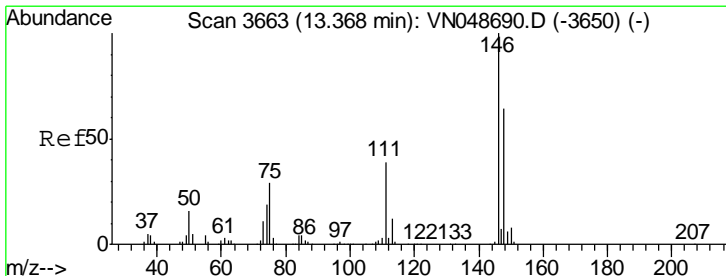
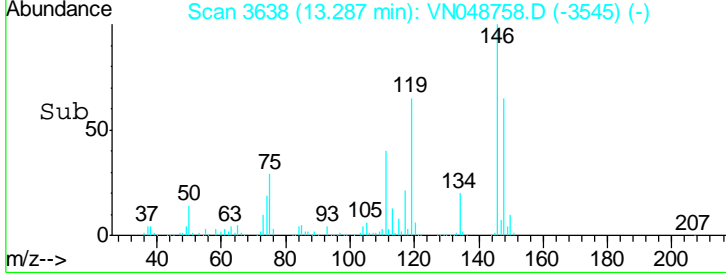
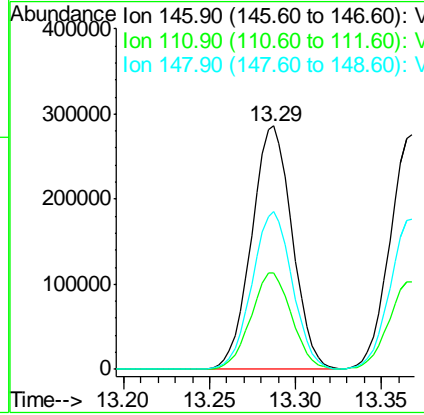
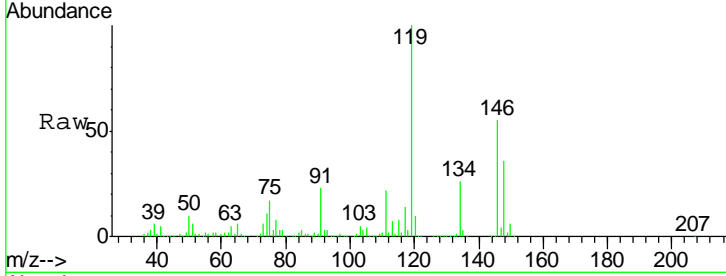


#87
 1,3-Dichlorobenzene
 Concen: 51.02 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

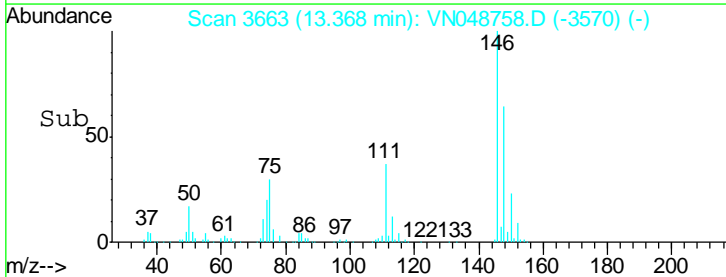
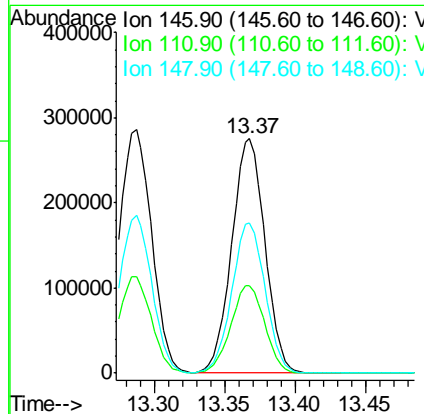
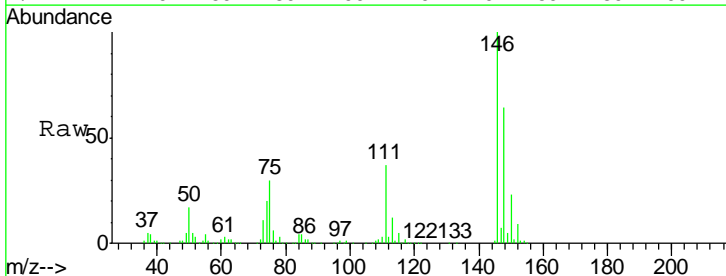
Tgt Ion	Resp	Lower	Upper
146	100		
111	39.6	19.3	57.9
148	64.2	32.1	96.5

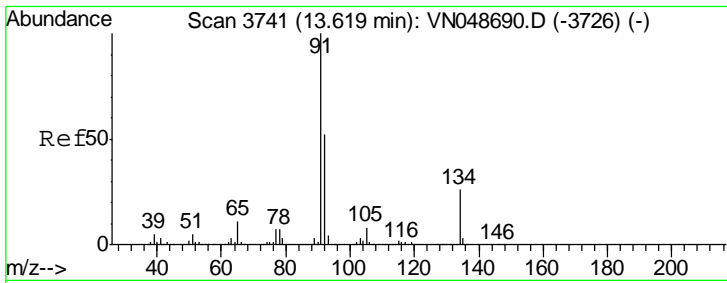
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 51.03 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.1	18.9	56.5
148	64.1	32.2	96.6



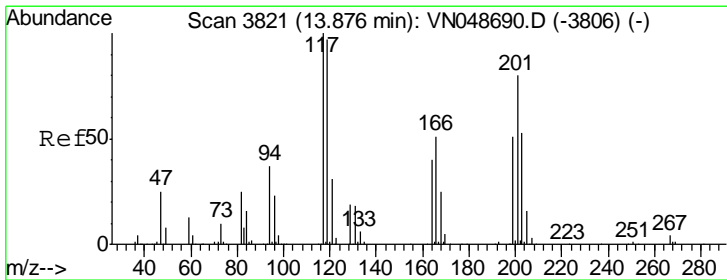
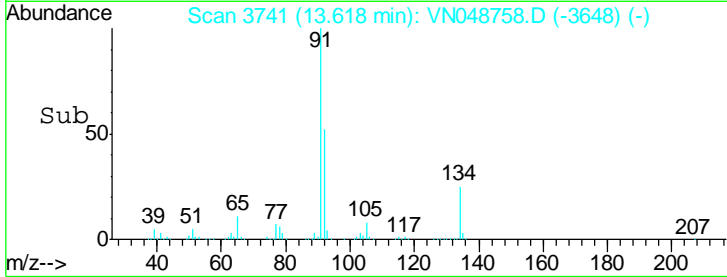
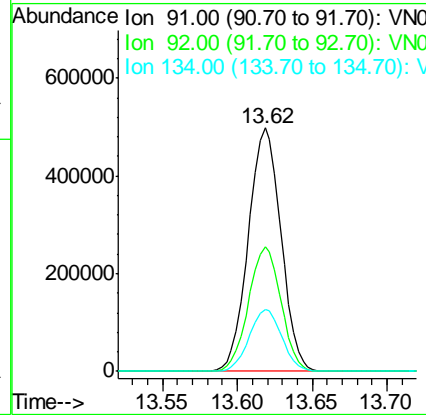
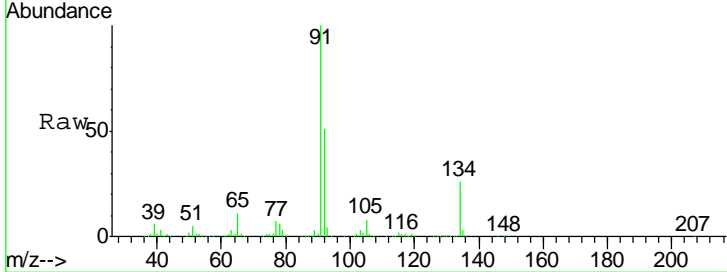


#89
 n-Butylbenzene
 Concen: 51.95 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

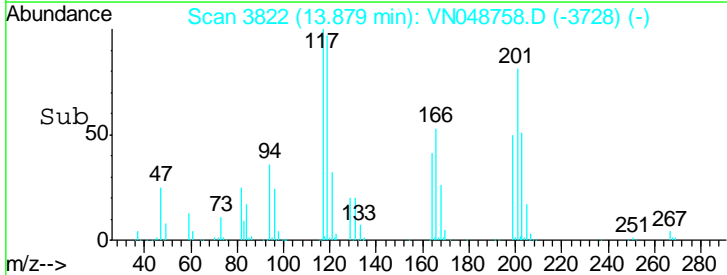
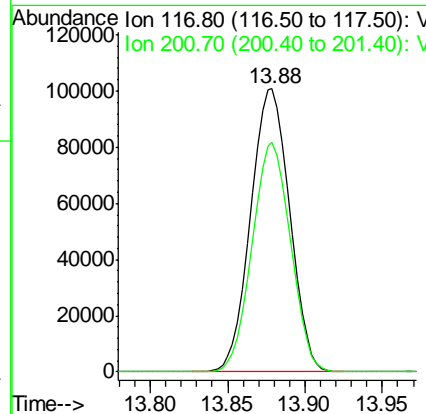
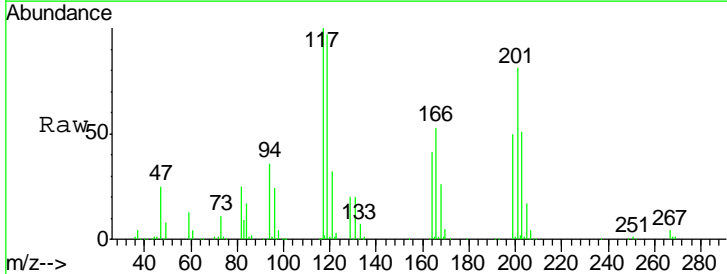
Tgt Ion	Resp	Lower	Upper
91	100		
92	51.0	26.3	78.9
134	25.3	13.5	40.4

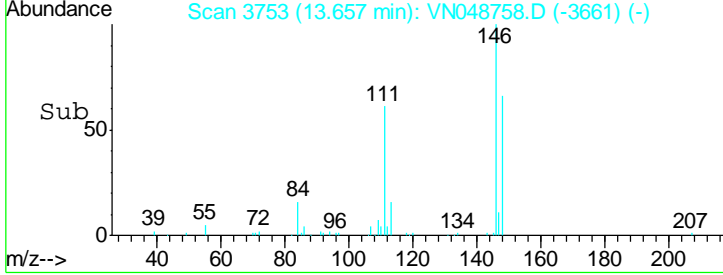
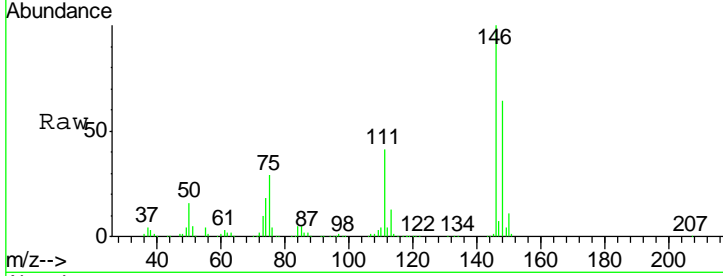
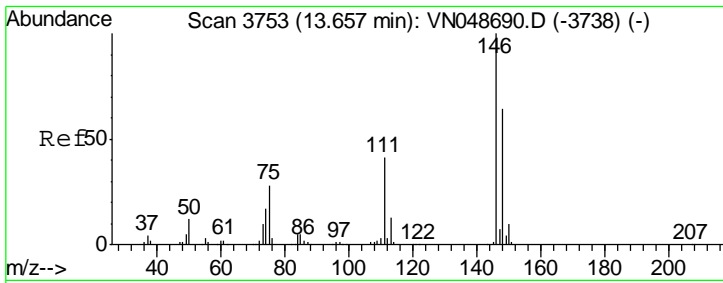
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:07:10 PM



#90
 Hexachloroethane
 Concen: 47.64 ug/l
 RT: 13.88 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
117	100		
201	79.9	44.6	134.0



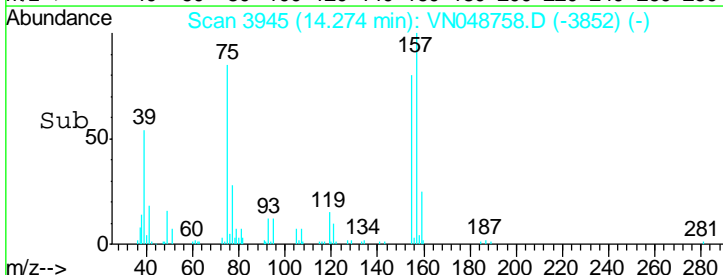
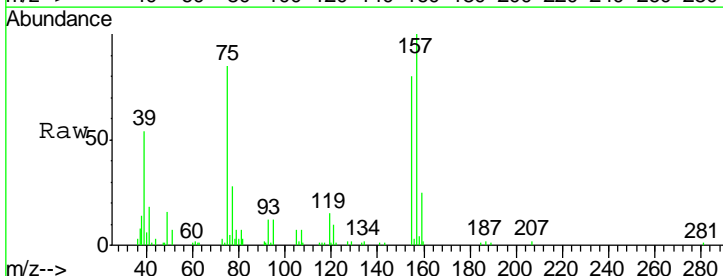
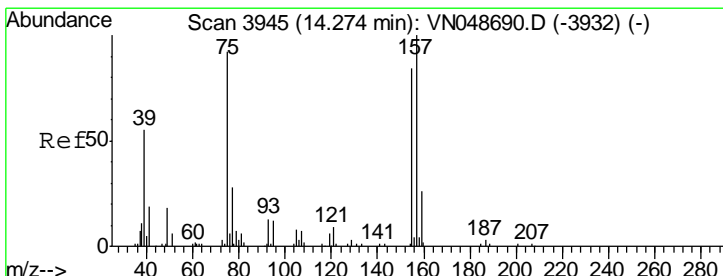
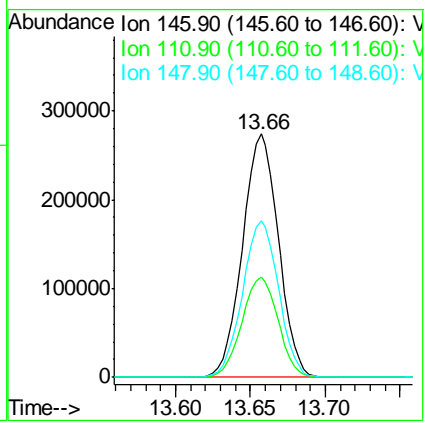


#91
 1,2-Dichlorobenzene
 Concen: 51.09 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Tgt Ion	Resp	Lower	Upper
146	458473		
146	100		
111	41.3	19.9	59.6
148	64.3	32.0	96.0

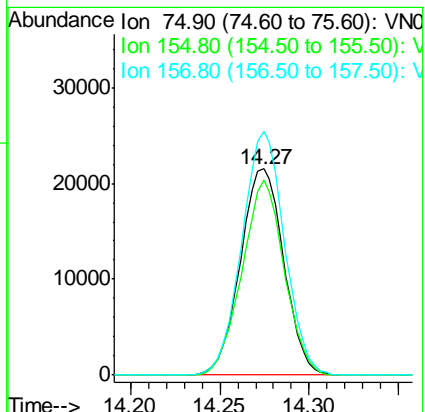
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

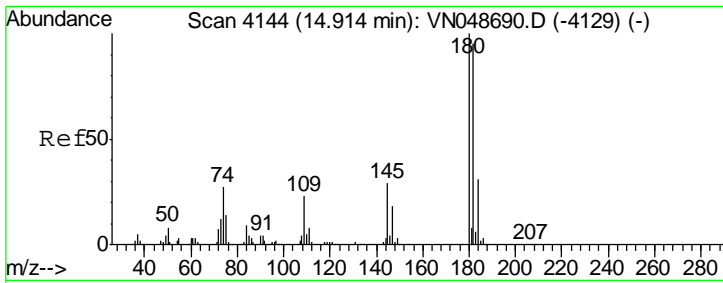
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:07:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.75 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

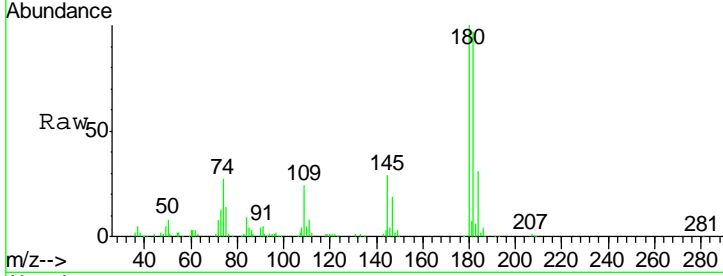
Tgt Ion	Resp	Lower	Upper
75	36581		
75	100		
155	91.3	47.1	141.4
157	115.8	60.9	182.6





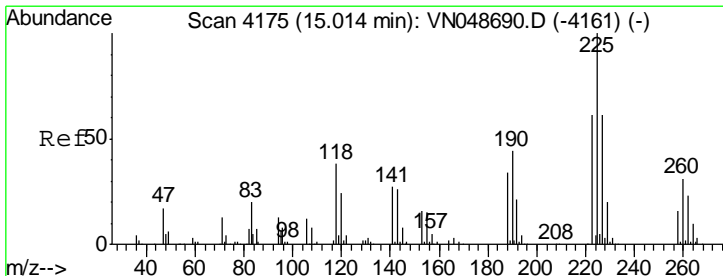
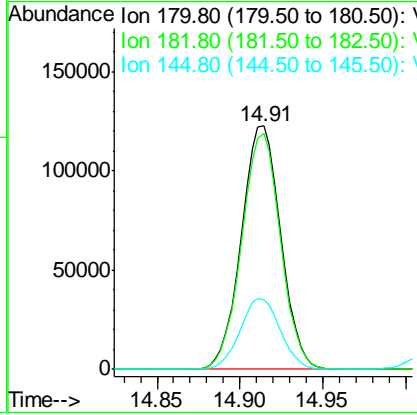
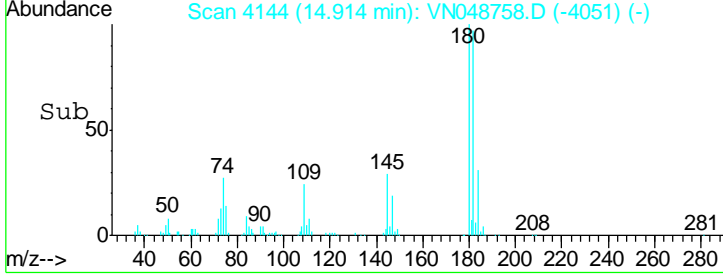
#93
 1,2,4-Trichlorobenzene
 Concen: 43.38 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

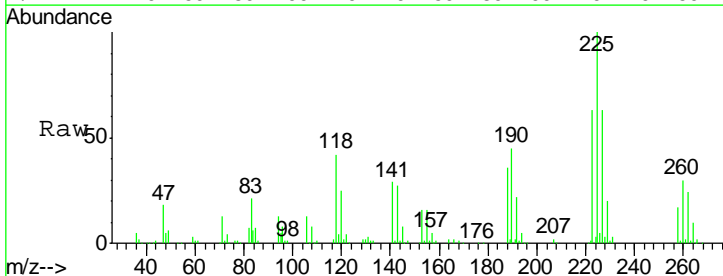


Tgt Ion	Resp	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	29.8	14.6	43.8

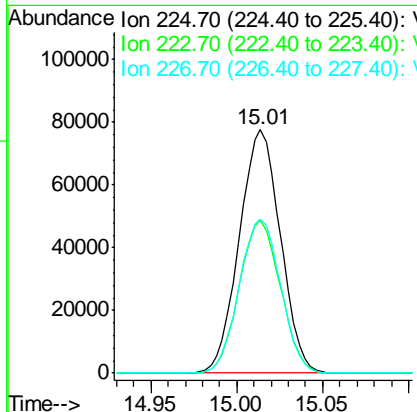
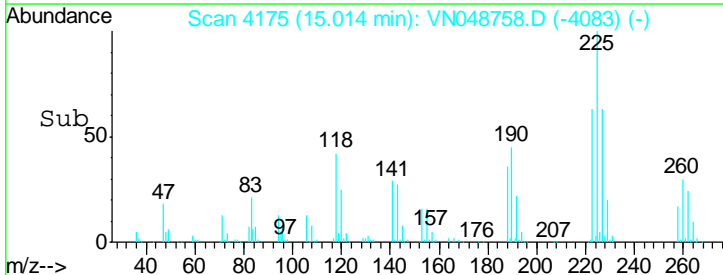
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:07:10 PM

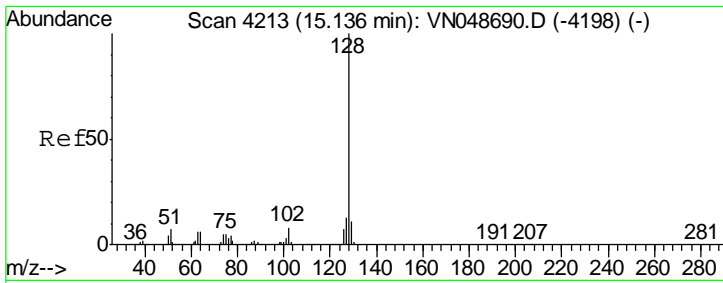


#94
 Hexachlorobutadiene
 Concen: 44.56 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09



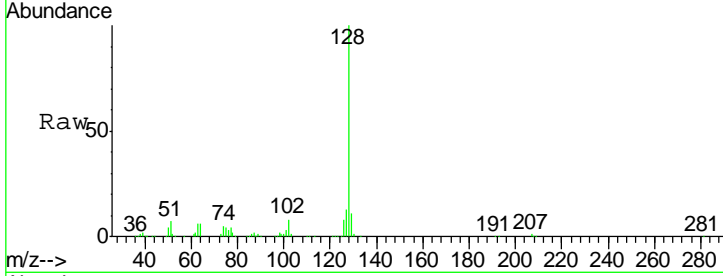
Tgt Ion	Resp	Lower	Upper
225	100		
223	62.9	31.3	93.8
227	64.1	31.9	95.5





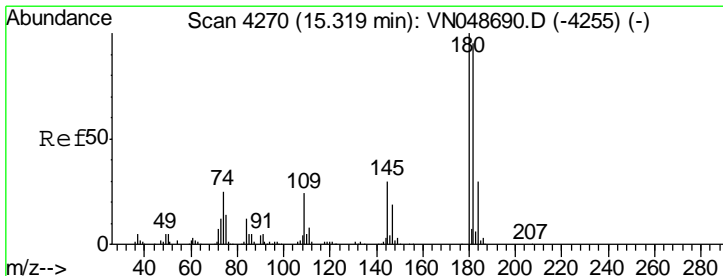
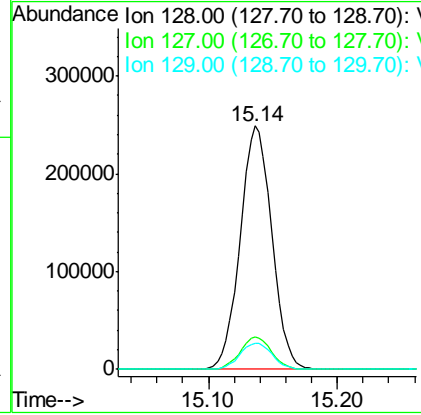
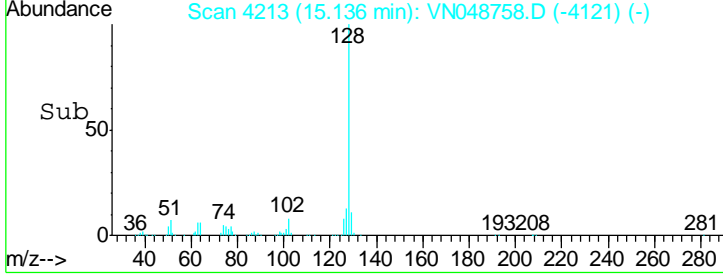
#95
 Naphthalene
 Concen: 41.80 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 Client Sampled : VSTDC050



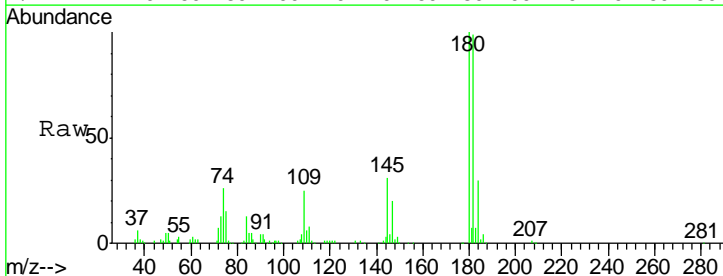
Tgt Ion	Resp	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.1	8.7	13.1

Manual Integrations APPROVED
 MMDadoda
 5/31/2018 3:07:10 PM

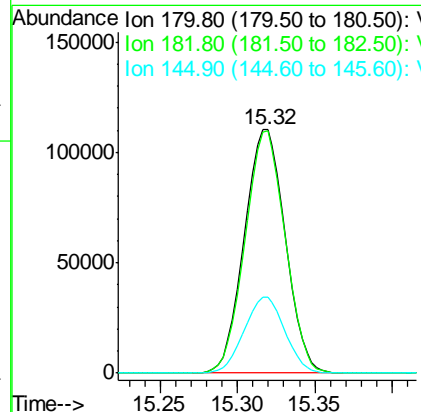
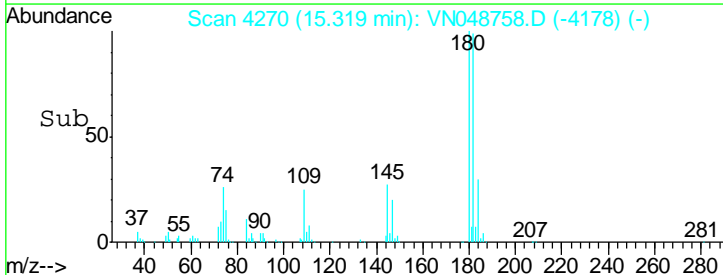


#96
 1,2,3-Trichlorobenzene
 Concen: 44.79 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: VN048758.D
 Acq: 30 May 2018 23:09

Instrument : MSVOA_N
 Client Sampled : VSTDC050



Tgt Ion	Resp	Lower	Upper
180	100		
182	97.2	48.4	145.0
145	31.0	15.3	45.9



Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048758.D
 Acq On : 30 May 2018 23:09
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 04:23:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	99	0.00
2 T	Dichlorodifluoromethane	0.661	0.593	10.3	98	0.00
3 P	Chloromethane	0.964	0.837	13.2	100	0.00
4 C	Vinyl Chloride	0.791	0.799	-1.0#	104	0.00
5 T	Bromomethane	0.410	0.465	-13.4	111	0.01
6 T	Chloroethane	0.448	0.473	-5.6	108	0.00
7 T	Trichlorofluoromethane	1.066	1.074	-0.8	104	0.00
8 T	Diethyl Ether	0.395	0.404	-2.3	102	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.684	0.688	-0.6	104	0.00
10 T	Methyl Iodide	0.946	0.954	-0.8	99	0.00
11 T	Tert butyl alcohol	0.050	0.045	10.0	95	-0.01
12 CM	1,1-Dichloroethene	0.652	0.648	0.6#	101	0.00
13 T	Acrolein	0.071	0.060	15.5	78	0.00
14 T	Allyl chloride	1.220	1.181	3.2	98	0.00
15 T	Acrylonitrile	0.236	0.244	-3.4	100	0.00
16 T	Acetone	0.204	0.172	15.7	94	0.00
17 T	Carbon Disulfide	2.133	2.007	5.9	98	0.00
18 T	Methyl Acetate	0.603	0.553	8.3	105	0.00
19 T	Methyl tert-butyl Ether	1.784	1.812	-1.6	100	0.00
20 T	Methylene Chloride	0.781	0.780	0.1	105	0.00
21 T	trans-1,2-Dichloroethene	0.696	0.698	-0.3	101	0.00
22 T	Diisopropyl ether	2.328	2.429	-4.3	102	0.00
23 T	Vinyl Acetate	1.582	1.608	-1.6	98	0.00
24 P	1,1-Dichloroethane	1.372	1.382	-0.7	101	0.00
25 T	2-Butanone	0.277	0.264	4.7	97	0.00
26 T	2,2-Dichloropropane	1.142	0.979	14.3	88	0.00
27 T	cis-1,2-Dichloroethene	0.785	0.797	-1.5	102	0.00
28 T	Bromochloromethane	0.534	0.662	-24.0#	100	0.00
29 T	Tetrahydrofuran	0.186	0.181	2.7	97	0.00
30 C	Chloroform	1.319	1.359	-3.0#	103	0.00
31 T	Cyclohexane	1.419	1.254	11.6	101	0.00
32 T	1,1,1-Trichloroethane	1.149	1.170	-1.8	101	0.00
33 S	1,2-Dichloroethane-d4	0.727	0.694	4.5	100	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35 S	Dibromofluoromethane	0.423	0.427	-0.9	101	0.00
36 T	1,1-Dichloropropene	0.691	0.692	-0.1	101	0.00
37 T	Ethyl Acetate	0.414	0.419	-1.2	101	0.00
38 T	Carbon Tetrachloride	0.706	0.704	0.3	101	0.00
39 T	Methylcyclohexane	0.751	0.759	-1.1	99	0.00
40 TM	Benzene	2.016	2.084	-3.4	103	0.00
41 T	Methacrylonitrile	0.229	0.231	-0.9	102	0.00
42 TM	1,2-Dichloroethane	0.629	0.638	-1.4	102	0.00
43 T	Isopropyl Acetate	0.763	0.778	-2.0	100	0.00
44 TM	Trichloroethene	0.519	0.532	-2.5	101	0.00
45 C	1,2-Dichloropropane	0.549	0.569	-3.6#	102	0.00

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048758.D
 Acq On : 30 May 2018 23:09
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 04:23:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.308	0.316	-2.6	103	0.00
47 T	Bromodichloromethane	0.689	0.702	-1.9	103	0.00
48 T	Methyl methacrylate	0.369	0.363	1.6	99	0.00
49 T	1,4-Dioxane	0.004	0.004	0.0	99	0.00
50 S	Toluene-d8	1.565	1.564	0.1	101	0.00
51 T	4-Methyl-2-Pentanone	0.402	0.410	-2.0	101	0.00
52 CM	Toluene	1.190	1.241	-4.3#	102	0.00
53 T	t-1,3-Dichloropropene	0.692	0.682	1.4	96	0.00
54 T	cis-1,3-Dichloropropene	0.805	0.814	-1.1	98	0.00
55 T	1,1,2-Trichloroethane	0.427	0.445	-4.2	102	0.00
56 T	Ethyl methacrylate	0.541	0.572	-5.7	99	0.00
57 T	1,3-Dichloropropane	0.750	0.763	-1.7	101	0.00
58 T	2-Chloroethyl Vinyl ether	0.192	0.197	-2.6	93	0.00
59 T	2-Hexanone	0.265	0.256	3.4	95	0.00
60 T	Dibromochloromethane	0.501	0.514	-2.6	101	0.00
61 T	1,2-Dibromoethane	0.422	0.400	5.2	97	0.00
62 S	4-Bromofluorobenzene	0.540	0.529	2.0	100	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64 T	Tetrachloroethene	0.506	0.583	-15.2	118	0.00
65 PM	Chlorobenzene	1.464	1.483	-1.3	100	0.00
66 T	1,1,1,2-Tetrachloroethane	0.551	0.565	-2.5	102	0.00
67 C	Ethyl Benzene	2.535	2.641	-4.2#	102	0.00
68 T	m/p-Xylenes	0.956	1.004	-5.0	100	0.00
69 T	o-Xylene	0.922	0.982	-6.5	101	0.00
70 T	Styrene	1.449	1.572	-8.5	102	0.00
71 P	Bromoform	0.356	0.359	-0.8	99	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73 T	Isopropylbenzene	4.471	4.664	-4.3	102	0.00
74 T	N-amyl acetate	1.317	1.342	-1.9	96	0.00
75 P	1,1,2,2-Tetrachloroethane	1.101	1.068	3.0	100	0.00
76 T	1,2,3-Trichloropropane	0.863	0.784	9.2	90	0.00
77 T	Bromobenzene	1.087	1.089	-0.2	99	0.00
78 T	n-propylbenzene	5.134	5.395	-5.1	100	0.00
79 T	2-Chlorotoluene	3.079	3.167	-2.9	101	0.00
80 T	1,3,5-Trimethylbenzene	3.603	3.798	-5.4	100	0.00
81 T	trans-1,4-Dichloro-2-butene	0.313	0.278	11.2	89	0.00
82 T	4-Chlorotoluene	3.059	3.184	-4.1	100	0.00
83 T	tert-Butylbenzene	3.204	3.255	-1.6	99	0.00
84 T	1,2,4-Trimethylbenzene	3.620	3.873	-7.0	100	0.00
85 T	sec-Butylbenzene	4.250	4.440	-4.5	99	0.00
86 T	p-Isopropyltoluene	3.625	3.813	-5.2	99	0.00
87 T	1,3-Dichlorobenzene	1.916	1.955	-2.0	98	0.00
88 T	1,4-Dichlorobenzene	1.860	1.898	-2.0	98	0.00
89 T	n-Butylbenzene	3.046	3.165	-3.9	96	0.00

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048758.D
 Acq On : 30 May 2018 23:09
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 04:23:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.777	0.740	4.8	98	0.00
91 T	1,2-Dichlorobenzene	1.874	1.915	-2.2	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.163	0.153	6.1	90	0.00
93 T	1,2,4-Trichlorobenzene	0.830	0.843	-1.6	87	0.00
94 T	Hexachlorobutadiene	0.602	0.537	10.8	90	0.00
95 T	Naphthalene	1.776	1.767	0.5	86	0.00
96 T	1,2,3-Trichlorobenzene	0.852	0.848	0.5	87	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048758.D
 Acq On : 30 May 2018 23:09
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 04:23:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	99	0.00
2 T	Dichlorodifluoromethane	50.000	49.664	0.7	98	0.00
3 P	Chloromethane	50.000	49.835	0.3	100	0.00
4 C	Vinyl Chloride	50.000	50.510	-1.0#	104	0.00
5 T	Bromomethane	50.000	56.654	-13.3	111	0.01
6 T	Chloroethane	50.000	52.813	-5.6	108	0.00
7 T	Trichlorofluoromethane	50.000	50.346	-0.7	104	0.00
8 T	Diethyl Ether	50.000	51.126	-2.3	102	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.289	-0.6	104	0.00
10 T	Methyl Iodide	50.000	50.451	-0.9	99	0.00
11 T	Tert butyl alcohol	250.000	223.032	10.8	95	-0.01
12 CM	1,1-Dichloroethene	50.000	49.693	0.6#	101	0.00
13 T	Acrolein	250.000	200.939	19.6	78	0.00
14 T	Allyl chloride	50.000	48.416	3.2	98	0.00
15 T	Acrylonitrile	250.000	258.059	-3.2	100	0.00
16 T	Acetone	250.000	240.178	3.9	94	0.00
17 T	Carbon Disulfide	50.000	47.054	5.9	98	0.00
18 T	Methyl Acetate	50.000	52.133	-4.3	105	0.00
19 T	Methyl tert-butyl Ether	50.000	50.783	-1.6	100	0.00
20 T	Methylene Chloride	50.000	49.914	0.2	105	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.172	-0.3	101	0.00
22 T	Diisopropyl ether	50.000	52.175	-4.3	102	0.00
23 T	Vinyl Acetate	250.000	254.152	-1.7	98	0.00
24 P	1,1-Dichloroethane	50.000	50.362	-0.7	101	0.00
25 T	2-Butanone	250.000	238.465	4.6	97	0.00
26 T	2,2-Dichloropropane	50.000	42.835	14.3	88	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.784	-1.6	102	0.00
28 T	Bromochloromethane	50.000	53.184	-6.4	100	0.00
29 T	Tetrahydrofuran	250.000	243.311	2.7	97	0.00
30 C	Chloroform	50.000	51.492	-3.0#	103	0.00
31 T	Cyclohexane	50.000	50.405	-0.8	101	0.00
32 T	1,1,1-Trichloroethane	50.000	50.908	-1.8	101	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.776	4.4	100	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35 S	Dibromofluoromethane	50.000	50.473	-0.9	101	0.00
36 T	1,1-Dichloropropene	50.000	50.094	-0.2	101	0.00
37 T	Ethyl Acetate	50.000	50.673	-1.3	101	0.00
38 T	Carbon Tetrachloride	50.000	49.838	0.3	101	0.00
39 T	Methylcyclohexane	50.000	50.551	-1.1	99	0.00
40 TM	Benzene	50.000	51.698	-3.4	103	0.00
41 T	Methacrylonitrile	50.000	50.447	-0.9	102	0.00
42 TM	1,2-Dichloroethane	50.000	50.683	-1.4	102	0.00
43 T	Isopropyl Acetate	50.000	50.985	-2.0	100	0.00
44 TM	Trichloroethene	50.000	51.268	-2.5	101	0.00
45 C	1,2-Dichloropropane	50.000	51.879	-3.8#	102	0.00

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048758.D
 Acq On : 30 May 2018 23:09
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 04:23:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	51.331	-2.7	103	0.00
47 T	Bromodichloromethane	50.000	50.947	-1.9	103	0.00
48 T	Methyl methacrylate	50.000	49.219	1.6	99	0.00
49 T	1,4-Dioxane	1000.000	952.245	4.8	99	0.00
50 S	Toluene-d8	50.000	49.946	0.1	101	0.00
51 T	4-Methyl-2-Pentanone	250.000	254.782	-1.9	101	0.00
52 CM	Toluene	50.000	52.159	-4.3#	102	0.00
53 T	t-1,3-Dichloropropene	50.000	49.240	1.5	96	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.534	-1.1	98	0.00
55 T	1,1,2-Trichloroethane	50.000	52.055	-4.1	102	0.00
56 T	Ethyl methacrylate	50.000	47.936	4.1	99	0.00
57 T	1,3-Dichloropropane	50.000	50.815	-1.6	101	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	222.265	11.1	93	0.00
59 T	2-Hexanone	250.000	241.666	3.3	95	0.00
60 T	Dibromochloromethane	50.000	51.263	-2.5	101	0.00
61 T	1,2-Dibromoethane	50.000	47.399	5.2	97	0.00
62 S	4-Bromofluorobenzene	50.000	48.981	2.0	100	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64 T	Tetrachloroethene	50.000	57.633	-15.3	118	0.00
65 PM	Chlorobenzene	50.000	50.653	-1.3	100	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.267	-2.5	102	0.00
67 C	Ethyl Benzene	50.000	52.094	-4.2#	102	0.00
68 T	m/p-Xylenes	100.000	105.050	-5.0	100	0.00
69 T	o-Xylene	50.000	53.245	-6.5	101	0.00
70 T	Styrene	50.000	54.231	-8.5	102	0.00
71 P	Bromoform	50.000	50.362	-0.7	99	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73 T	Isopropylbenzene	50.000	52.158	-4.3	102	0.00
74 T	N-amyl acetate	50.000	50.968	-1.9	96	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.502	3.0	100	0.00
76 T	1,2,3-Trichloropropane	50.000	45.395	9.2	90	0.00
77 T	Bromobenzene	50.000	50.095	-0.2	99	0.00
78 T	n-propylbenzene	50.000	52.538	-5.1	100	0.00
79 T	2-Chlorotoluene	50.000	51.421	-2.8	101	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.695	-5.4	100	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	44.485	11.0	89	0.00
82 T	4-Chlorotoluene	50.000	52.045	-4.1	100	0.00
83 T	tert-Butylbenzene	50.000	50.790	-1.6	99	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.490	-7.0	100	0.00
85 T	sec-Butylbenzene	50.000	52.234	-4.5	99	0.00
86 T	p-Isopropyltoluene	50.000	52.591	-5.2	99	0.00
87 T	1,3-Dichlorobenzene	50.000	51.020	-2.0	98	0.00
88 T	1,4-Dichlorobenzene	50.000	51.032	-2.1	98	0.00
89 T	n-Butylbenzene	50.000	51.952	-3.9	96	0.00

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048758.D
 Acq On : 30 May 2018 23:09
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 04:23:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	47.640	4.7	98	0.00
91 T	1,2-Dichlorobenzene	50.000	51.089	-2.2	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.753	6.5	90	0.00
93 T	1,2,4-Trichlorobenzene	50.000	43.379	13.2	87	0.00
94 T	Hexachlorobutadiene	50.000	44.563	10.9	90	0.00
95 T	Naphthalene	50.000	41.796	16.4	86	0.00
96 T	1,2,3-Trichlorobenzene	50.000	44.795	10.4	87	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG No.: J3131
 Instrument ID: MSVOA_N Calibration Date/Time: 05/31/2018 11:11
 Lab File ID: VN048784.D Init. Calib. Date(s): 05/29/2018 05/29/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:48 12:56
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.661	0.650		-1.66	20
Chloromethane	0.964	0.864	0.1	-10.37	20
Vinyl Chloride	0.791	0.857		8.34	20
Bromomethane	0.410	0.443		8.05	20
Chloroethane	0.448	0.503		12.28	20
Trichlorofluoromethane	1.066	1.178		10.51	20
1,1,2-Trichlorotrifluoroethane	0.684	0.767		12.14	20
1,1-Dichloroethene	0.652	0.679		4.14	20
Acetone	0.204	0.280		37.26	20
Carbon Disulfide	2.133	2.128		-0.23	20
Methyl tert-butyl Ether	1.784	1.876		5.16	20
Methyl Acetate	0.603	0.576		-4.48	20
Methylene Chloride	0.781	0.805		3.07	20
trans-1,2-Dichloroethene	0.696	0.741		6.47	20
1,1-Dichloroethane	1.372	1.473	0.1	7.36	20
Cyclohexane	1.419	1.365		-3.81	20
2-Butanone	0.277	0.335		20.94	20
Carbon Tetrachloride	0.706	0.762		7.93	20
cis-1,2-Dichloroethene	0.785	0.839		6.88	20
Bromochloromethane	0.534	0.777		45.51	20
Chloroform	1.319	1.422		7.81	20
1,1,1-Trichloroethane	1.149	1.250		8.79	20
Methylcyclohexane	0.751	0.851		13.32	20
Benzene	2.016	2.215		9.87	20
1,2-Dichloroethane	0.629	0.677		7.63	20
Trichloroethene	0.519	0.566		9.06	20
1,2-Dichloropropane	0.549	0.607		10.56	20
Bromodichloromethane	0.689	0.750		8.85	20
4-Methyl-2-Pentanone	0.402	0.437		8.71	20
Toluene	1.190	1.333		12.02	20
t-1,3-Dichloropropene	0.692	0.758		9.54	20
cis-1,3-Dichloropropene	0.805	0.890		10.56	20
1,1,2-Trichloroethane	0.427	0.470		10.07	20
2-Hexanone	0.265	0.316		19.25	20
Dibromochloromethane	0.501	0.542		8.18	20
1,2-Dibromoethane	0.422	0.438		3.79	20
Tetrachloroethene	0.506	0.558		10.28	20
Chlorobenzene	1.464	1.580	0.3	7.92	20
Ethyl Benzene	2.535	2.842		12.11	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3131 SAS No.: J3131 SDG No.: J3131
 Instrument ID: MSVOA_N Calibration Date/Time: 05/31/2018 11:11
 Lab File ID: VN048784.D Init. Calib. Date(s): 05/29/2018 05/29/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:48 12:56
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.956	1.083		13.28	20
o-Xylene	0.922	1.032		11.93	20
Styrene	1.449	1.675		15.6	20
Bromoform	0.356	0.378	0.1	6.18	20
Isopropylbenzene	4.471	4.761		6.49	20
1,1,2,2-Tetrachloroethane	1.101	1.059	0.3	-3.82	20
1,3-Dichlorobenzene	1.916	2.059		7.46	20
1,4-Dichlorobenzene	1.860	2.017		8.44	20
1,2-Dichlorobenzene	1.874	1.996		6.51	20
1,2-Dibromo-3-Chloropropane	0.163	0.162		-0.61	20
1,2,4-Trichlorobenzene	0.830	0.955		15.06	20
1,2,3-Trichlorobenzene	0.852	0.940		10.33	20
1,2-Dichloroethane-d4	0.727	0.757		4.13	20
Dibromofluoromethane	0.423	0.477		12.77	20
Toluene-d8	1.565	1.746		11.56	20
4-Bromofluorobenzene	0.540	0.611		13.15	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048784.D
 Acq On : 31 May 2018 11:11
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 6:55:30 PM

Quant Time: May 31 13:32:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	287792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	428038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	391370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	229624	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	218001	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	7.59	113	203981	56.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.54%	
50) Toluene-d8	10.09	98	747228	55.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.52%	
62) 4-Bromofluorobenzene	12.40	95	261528	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	187107	54.55	ug/l	99
3) Chloromethane	2.06	50	248650	51.47	ug/l	99
4) Vinyl Chloride	2.18	62	246705	54.22	ug/l	100
5) Bromomethane	2.56	94	127434	53.95	ug/l	97
6) Chloroethane	2.70	64	144896	56.21	ug/l	99
7) Trichlorofluoromethane	3.01	101	338935	55.23	ug/l	99
8) Diethyl Ether	3.41	74	117857	51.86	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	220723	56.09	ug/l	95
10) Methyl Iodide	3.95	142	258259	47.45	ug/l	96
11) Tert butyl alcohol	4.79	59	66761	230.98	ug/l	98
12) 1,1-Dichloroethene	3.73	96	195477	52.06	ug/l	95
13) Acrolein	3.61	56	75810	178.02	ug/l	100
14) Allyl chloride	4.32	41	367712	52.36	ug/l	98
15) Acrylonitrile	4.99	53	362450	266.80	ug/l	100
16) Acetone	3.82	43	403566	396.85	ug/l	99
17) Carbon Disulfide	4.05	76	612370	49.88	ug/l	99
18) Methyl Acetate	4.33	43	165793	54.29	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	539851	52.57	ug/l	99
20) Methylene Chloride	4.55	84	231581	51.52	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	213220	53.22	ug/l	99
22) Diisopropyl ether	5.96	45	734600	54.83	ug/l	99
23) Vinyl Acetate	5.90	43	2461662	270.32	ug/l	99
24) 1,1-Dichloroethane	5.85	63	423921	53.69	ug/l	99
25) 2-Butanone	6.84	43	482706	302.47	ug/l	99
26) 2,2-Dichloropropane	6.82	77	354563	53.93	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	241491	53.44	ug/l	95
28) Bromochloromethane	7.19	49	223487	62.41	ug/l	92
29) Tetrahydrofuran	7.21	42	272403	254.91	ug/l	96
30) Chloroform	7.37	83	409157	53.88	ug/l	98
31) Cyclohexane	7.65	56	392937	54.94	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	359800	54.40	ug/l	99
36) 1,1-Dichloropropene	7.79	75	323826	54.74	ug/l	98
37) Ethyl Acetate	6.93	43	189266	53.43	ug/l	98
38) Carbon Tetrachloride	7.77	117	325979	53.94	ug/l	99

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048784.D
 Acq On : 31 May 2018 11:11
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 6:55:30 PM

Quant Time: May 31 13:32:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	364438	56.67	ug/l	99
40) Benzene	8.04	78	948235	54.94	ug/l	99
41) Methacrylonitrile	7.17	41	101355	51.70	ug/l	98
42) 1,2-Dichloroethane	8.12	62	289715	53.78	ug/l	100
43) Isopropyl Acetate	8.17	43	348550	53.34	ug/l #	89
44) Trichloroethene	8.83	130	242412	54.58	ug/l	98
45) 1,2-Dichloropropane	9.12	63	260018	55.35	ug/l	97
46) Dibromomethane	9.21	93	143412	54.45	ug/l	93
47) Bromodichloromethane	9.40	83	321142	54.49	ug/l	100
48) Methyl methacrylate	9.20	41	169287	53.62	ug/l	99
49) 1,4-Dioxane	9.20	88	38847	996.85	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	934572	271.47	ug/l	99
52) Toluene	10.16	92	570694	56.03	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	324500	54.76	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	380850	55.26	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	200993	54.96	ug/l	97
56) Ethyl methacrylate	10.43	69	258087	50.43	ug/l	98
57) 1,3-Dichloropropane	10.71	76	348099	54.19	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	362538	192.36	ug/l	97
59) 2-Hexanone	10.75	43	675937	297.81	ug/l	99
60) Dibromochloromethane	10.90	129	232076	54.12	ug/l	100
61) 1,2-Dibromoethane	11.01	107	187330	51.88	ug/l	99
64) Tetrachloroethene	10.63	164	218552	55.16	ug/l	98
65) Chlorobenzene	11.44	112	618282	53.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	232577	53.91	ug/l	99
67) Ethyl Benzene	11.51	91	1112281	56.06	ug/l	99
68) m/p-Xylenes	11.62	106	847475	113.28	ug/l	99
69) o-Xylene	11.95	106	403893	55.98	ug/l	99
70) Styrene	11.97	104	655429	57.78	ug/l	99
71) Bromoform	12.13	173	147973	53.04	ug/l #	98
73) Isopropylbenzene	12.25	105	1093348	53.25	ug/l	100
74) N-amyl acetate	12.07	43	302338	50.01	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	243153	48.09	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	200082m	50.46	ug/l	
77) Bromobenzene	12.53	156	253486	50.78	ug/l	97
78) n-propylbenzene	12.59	91	1307149	55.44	ug/l	98
79) 2-Chlorotoluene	12.68	91	751170	53.11	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	903573	54.60	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	69122	48.13	ug/l	99
82) 4-Chlorotoluene	12.78	91	768159	54.68	ug/l	99
83) tert-Butylbenzene	13.00	119	776078	52.74	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	928296	55.84	ug/l	100
85) sec-Butylbenzene	13.17	105	1082514	55.46	ug/l	99
86) p-Isopropyltoluene	13.29	119	934803	56.15	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	472892	53.73	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	463155	54.23	ug/l	99
89) n-Butylbenzene	13.62	91	804097	57.49	ug/l	98
90) Hexachloroethane	13.88	117	181736	50.95	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	458362	53.26	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37107	49.45	ug/l	91

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048784.D
 Acq On : 31 May 2018 11:11
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED
 MMDadoda
 5/31/2018 6:55:30 PM

Quant Time: May 31 13:32:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	219314	48.70	ug/l	99
94) Hexachlorobutadiene	15.01	225	135147	48.86	ug/l	99
95) Naphthalene	15.14	128	430311	44.08	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	215737	49.38	ug/l	99

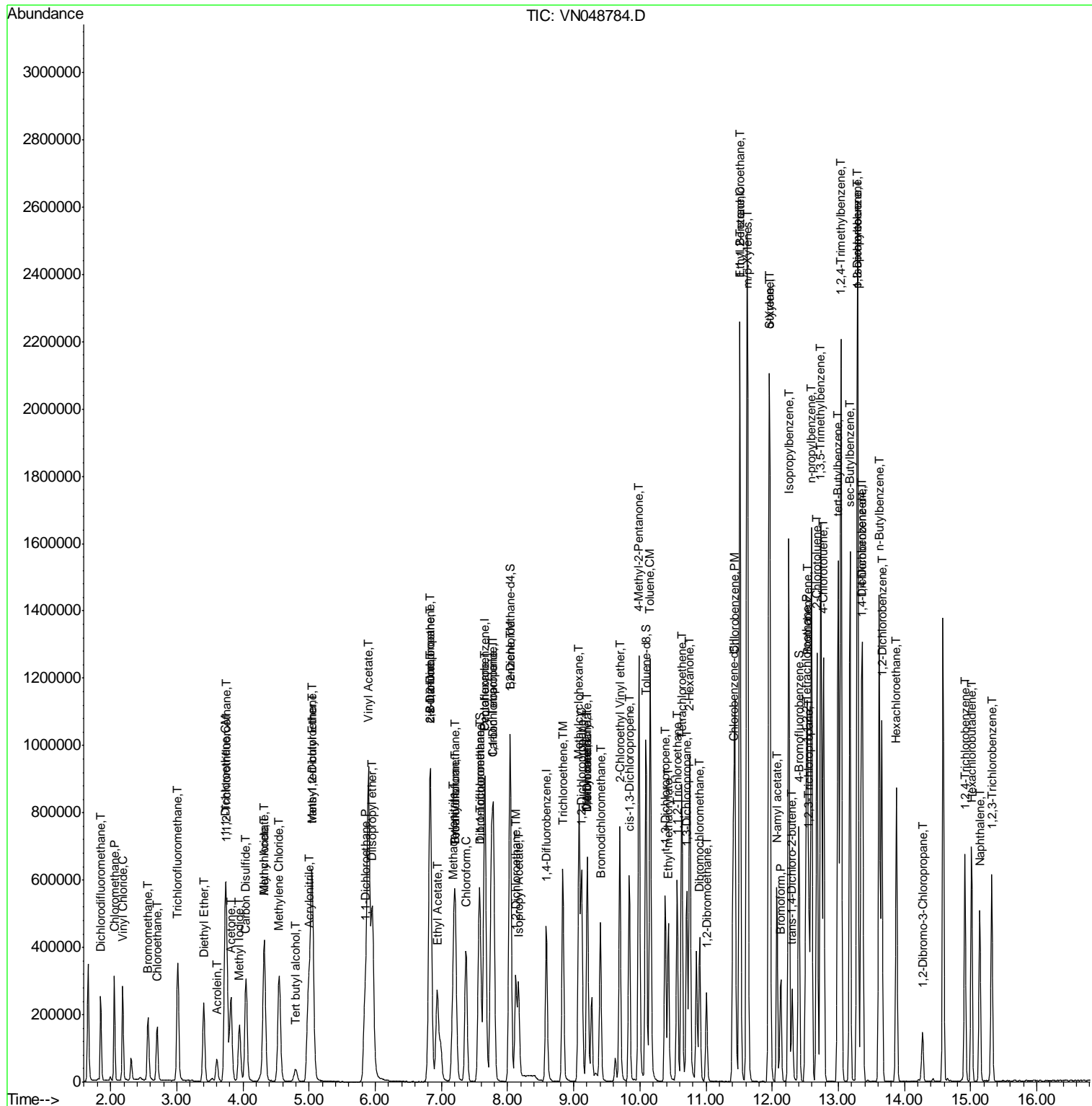
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048784.D
 Acq On : 31 May 2018 11:11
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

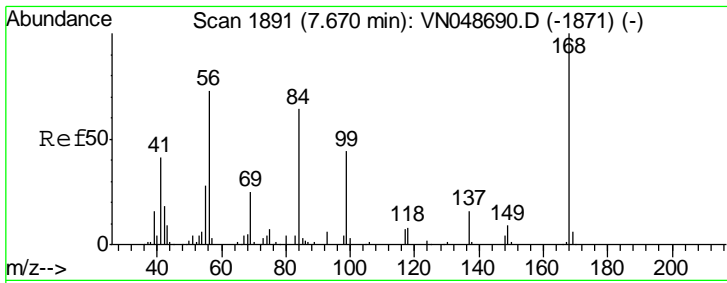
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC050

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Quant Time: May 31 13:32:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
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- 11
- 12
- 13
- 14
- 15
- 16

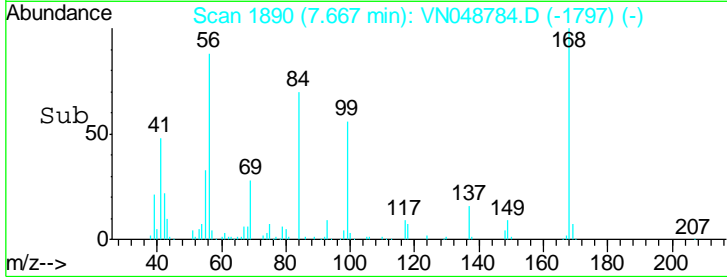
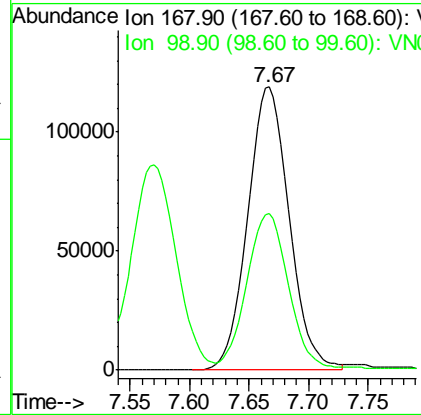
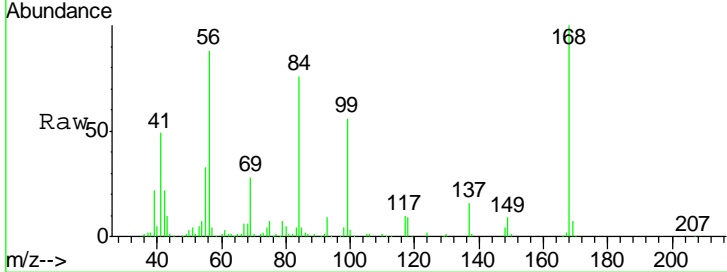


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
168	287792		
168	100		
99	54.3	40.8	61.2

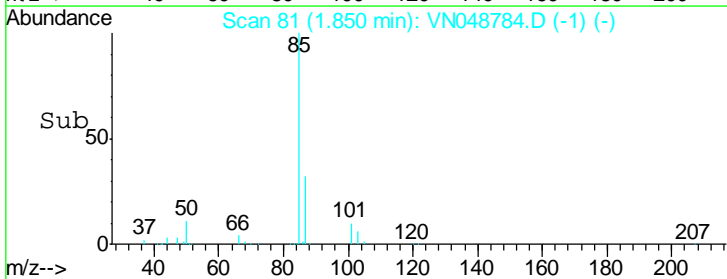
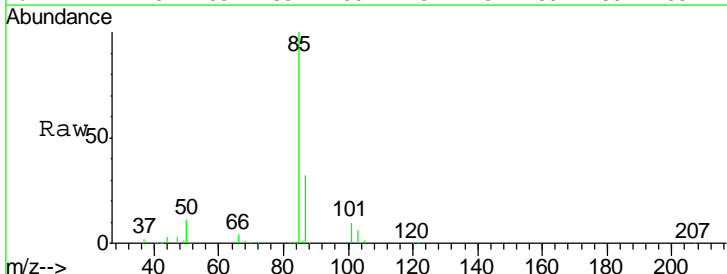
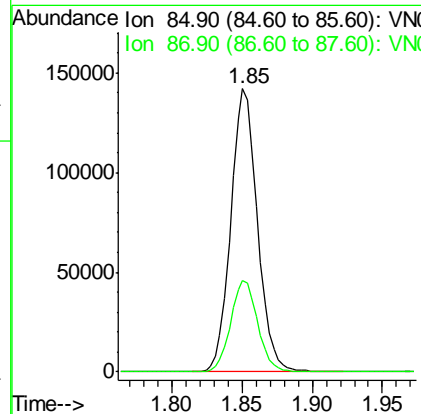
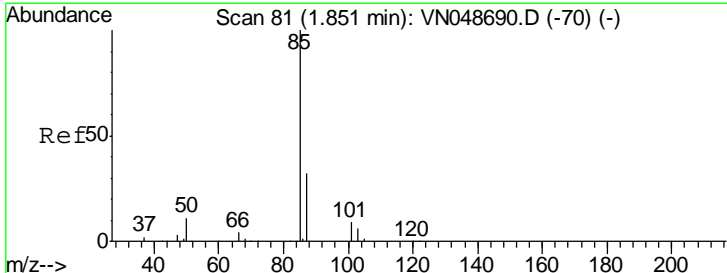
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

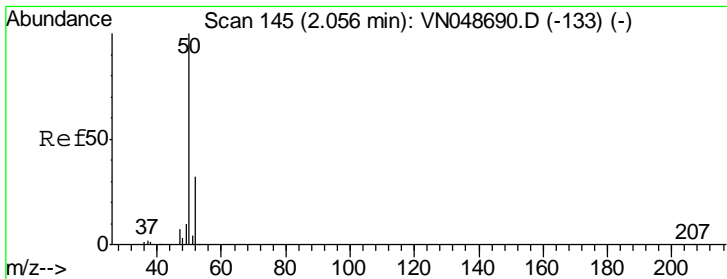
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#2
 Dichlorodifluoromethane
 Concen: 54.55 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
85	187107		
85	100		
87	32.4	15.9	47.7





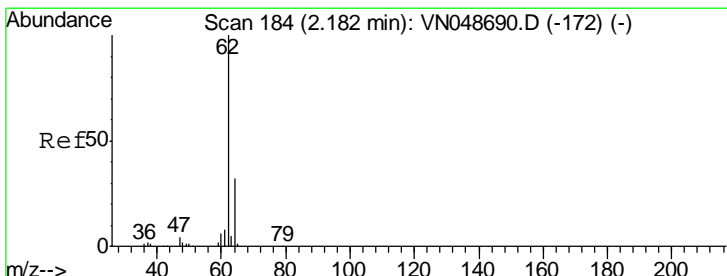
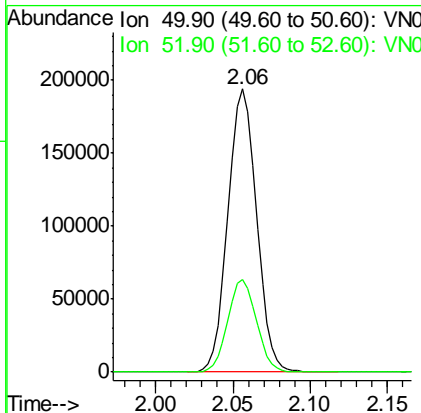
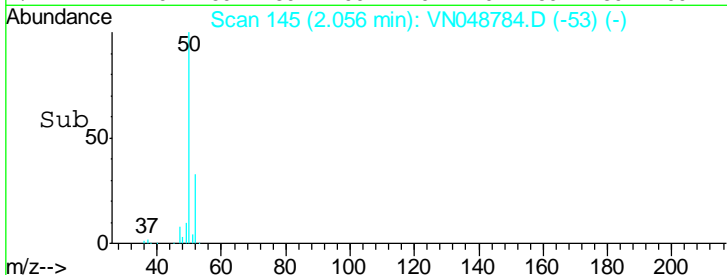
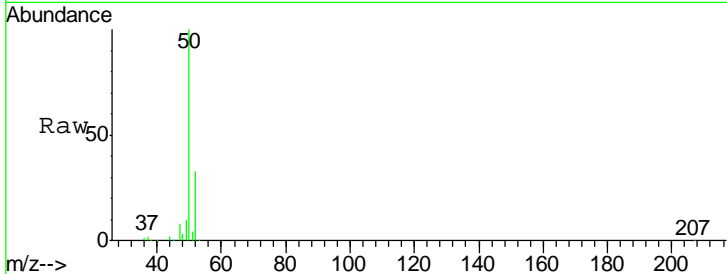
#3
 Chloromethane
 Concen: 51.47 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.8	26.0	39.0

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

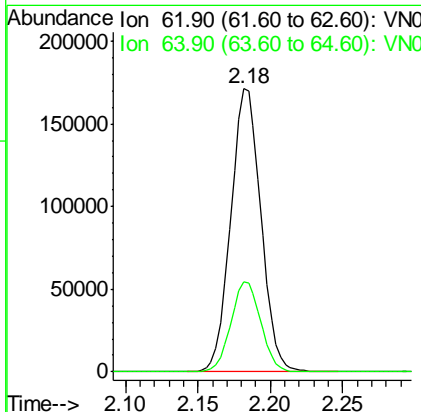
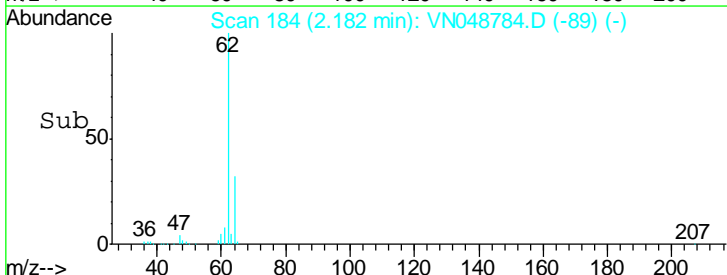
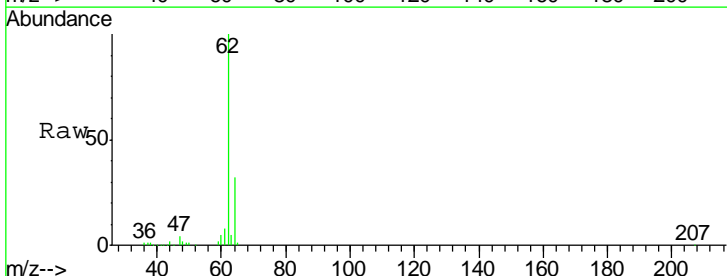
Manual Integrations
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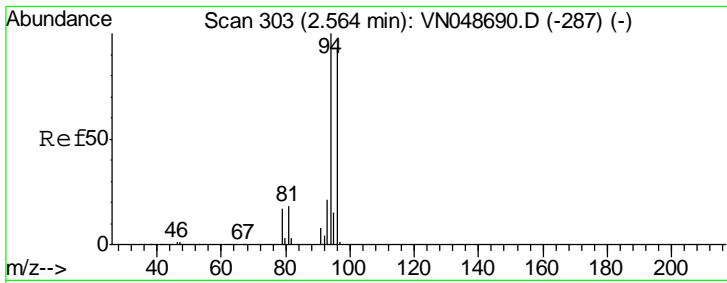
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#4
 Vinyl Chloride
 Concen: 54.22 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.0	25.6	38.4



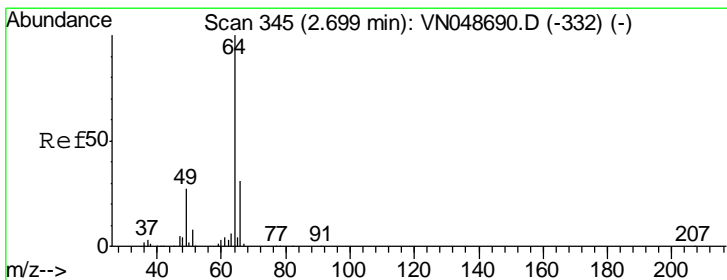
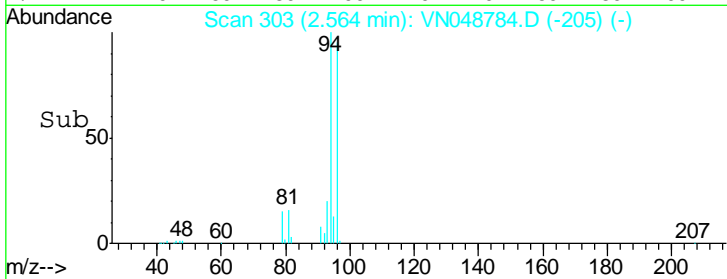
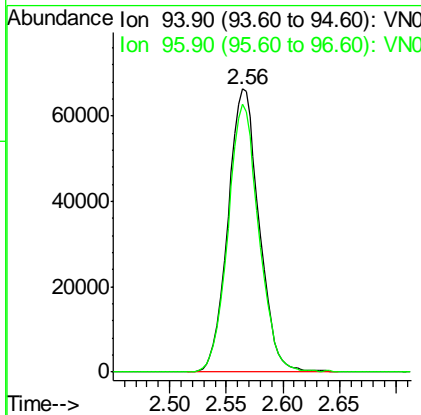
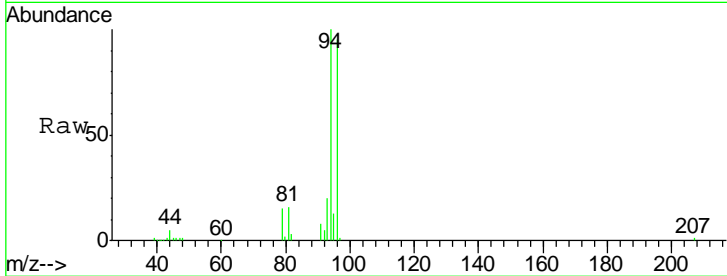


#5
 Bromomethane
 Concen: 53.95 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.02 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
94	127434		
96	94.6	78.0	117.0

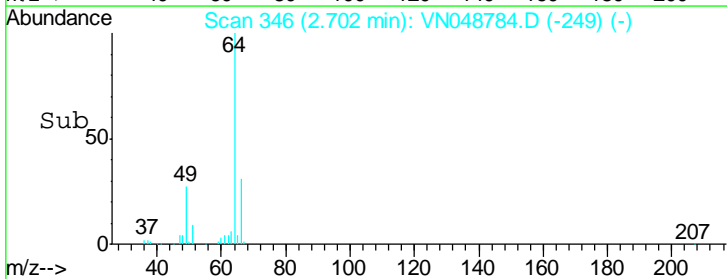
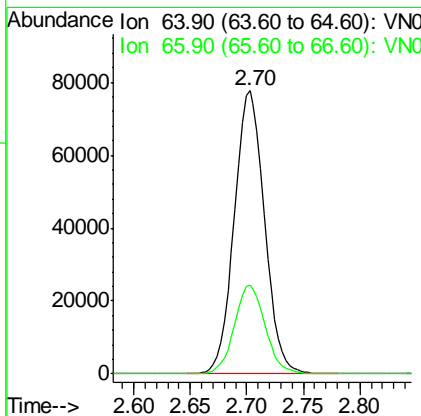
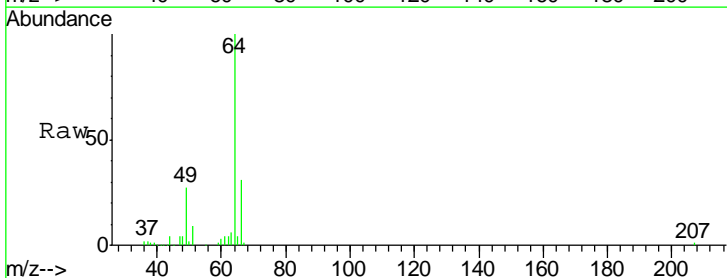
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

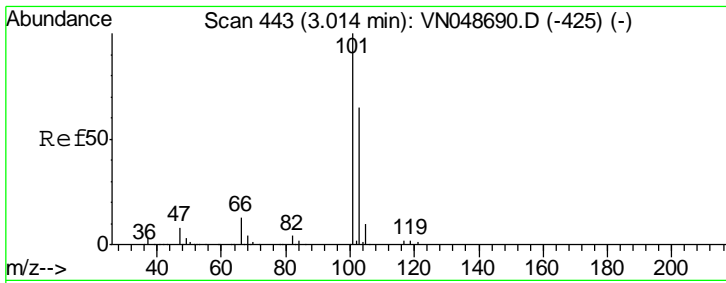
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#6
 Chloroethane
 Concen: 56.21 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
64	144896		
66	31.5	24.8	37.2



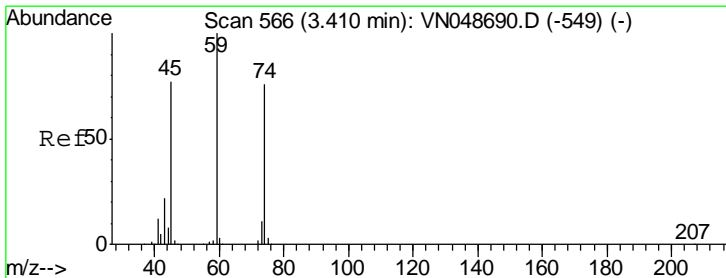
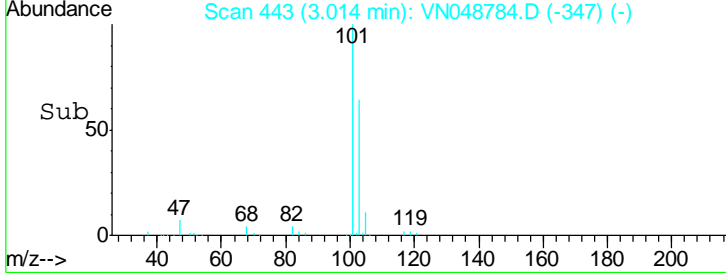
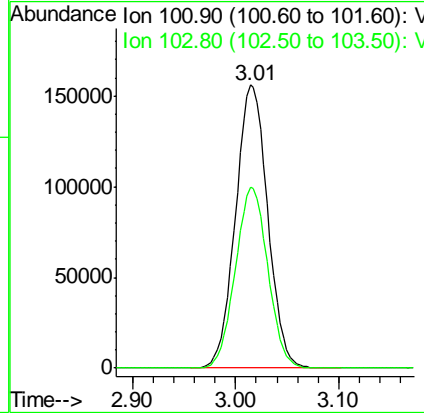
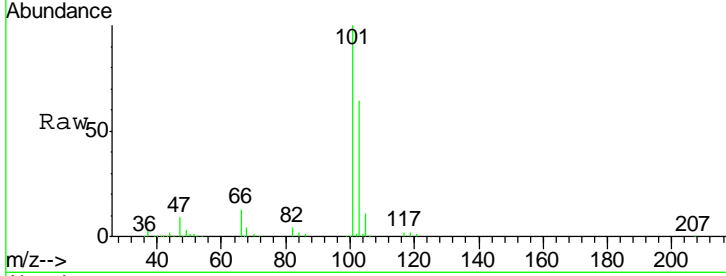


#7
 Trichlorofluoromethane
 Concen: 55.23 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
101	338935		
101	100		
103	64.0	50.8	76.2

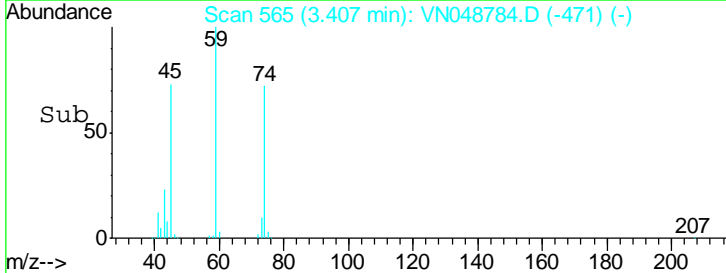
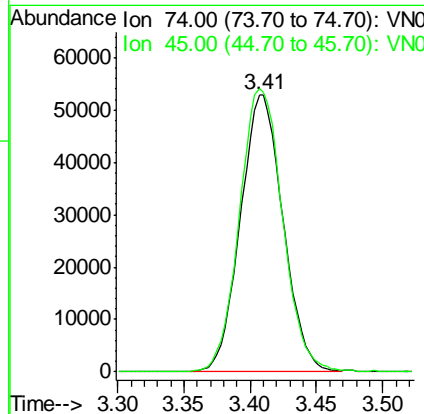
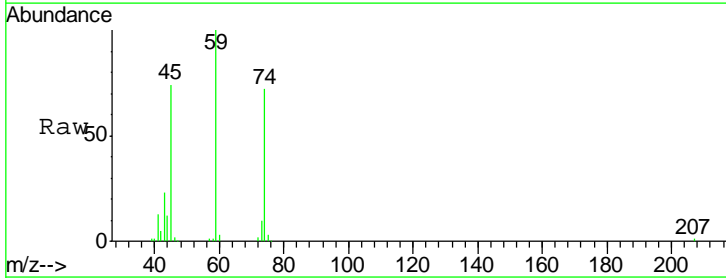
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 ClientSampleId : VSTDCCC050

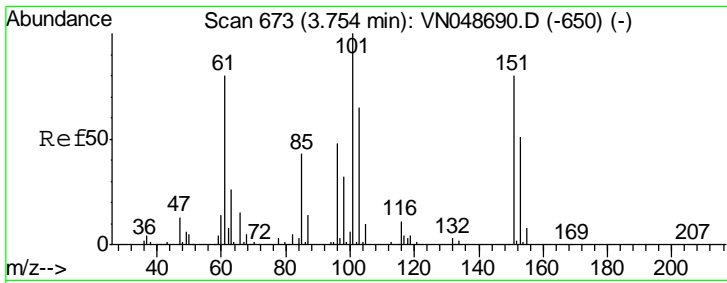
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#8
 Diethyl Ether
 Concen: 51.86 ug/l
 RT: 3.41 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

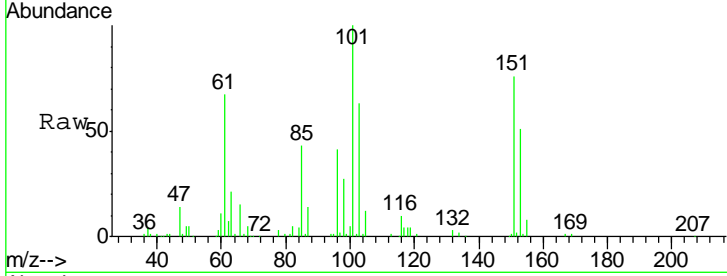
Tgt Ion	Resp	Lower	Upper
74	117857		
74	100		
45	104.0	50.0	150.0





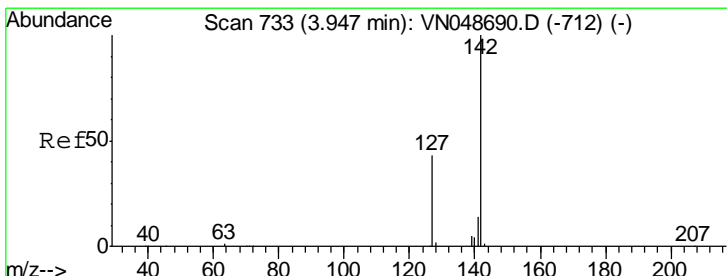
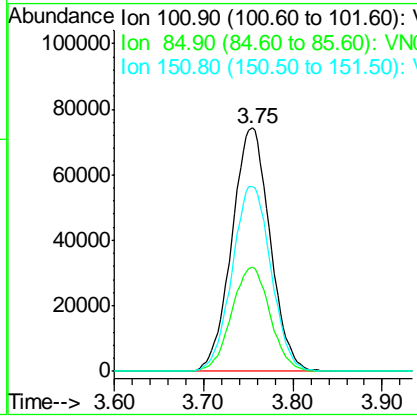
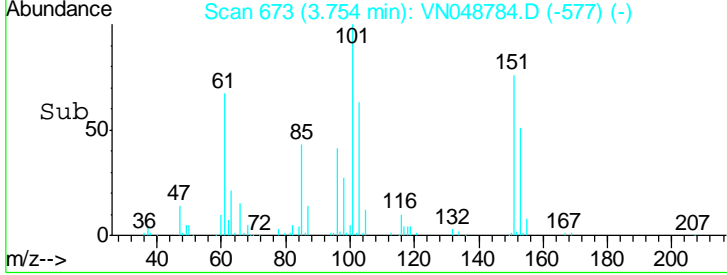
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 56.09 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

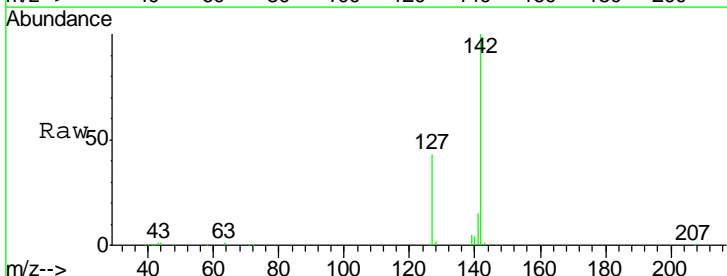


Tgt Ion	Resp	Lower	Upper
101	220723		
101	100		
85	43.0	33.3	49.9
151	77.2	66.5	99.7

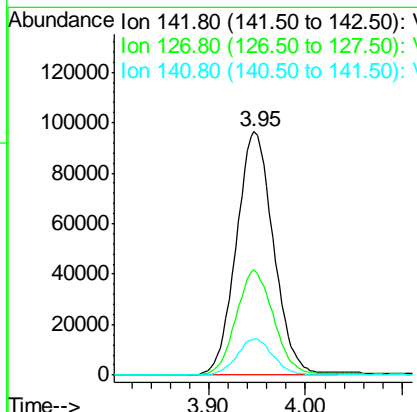
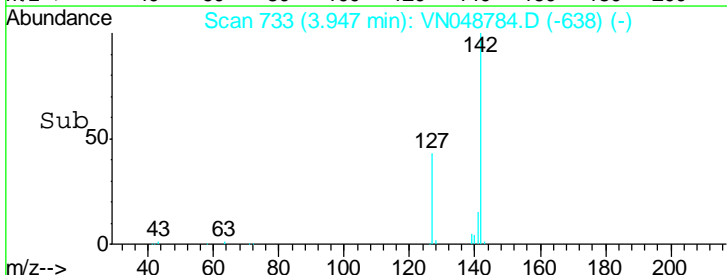
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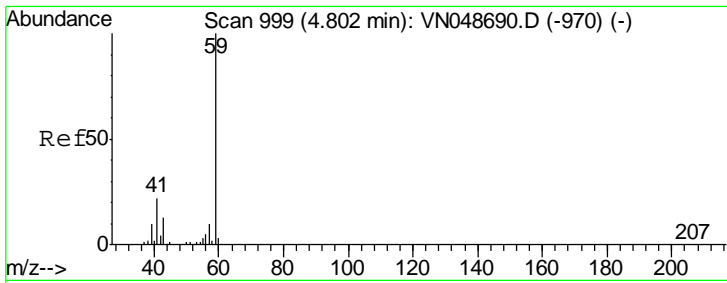


#10
 Methyl Iodide
 Concen: 47.45 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11



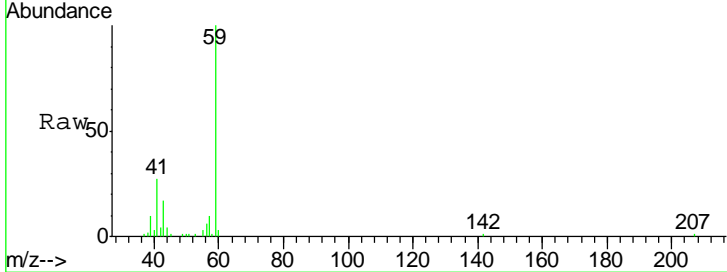
Tgt Ion	Resp	Lower	Upper
142	258259		
142	100		
127	43.4	32.5	48.7
141	14.4	11.3	16.9





#11
 Tert butyl alcohol
 Concen: 230.98 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.02 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

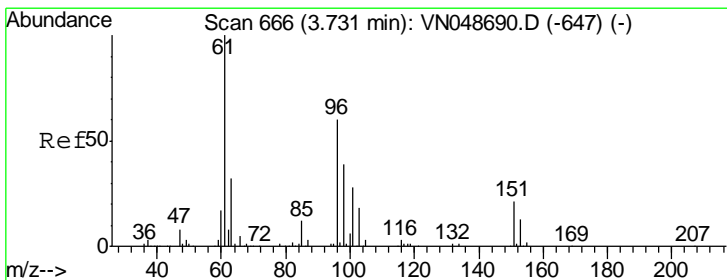
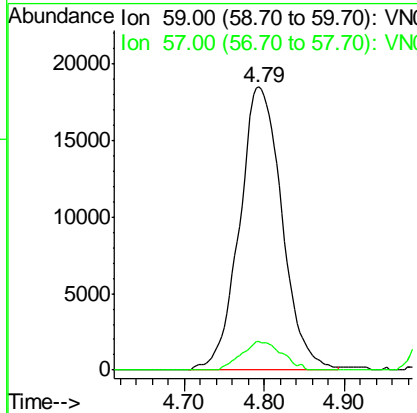
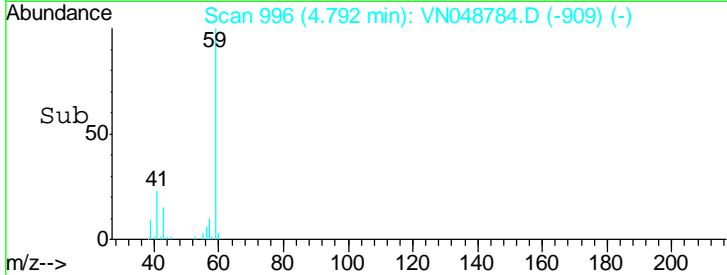
Instrument : MSVOA_N
 Client Sampled : VSTDC050



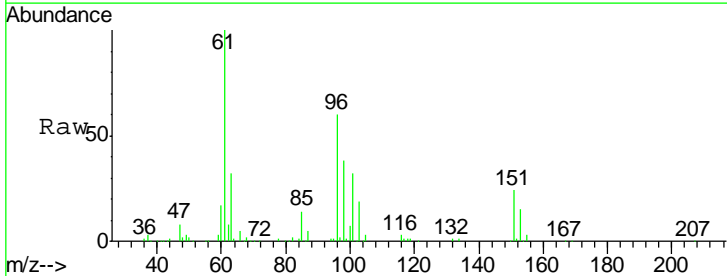
Tgt Ion: 59 Resp: 66761

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.1	12.1

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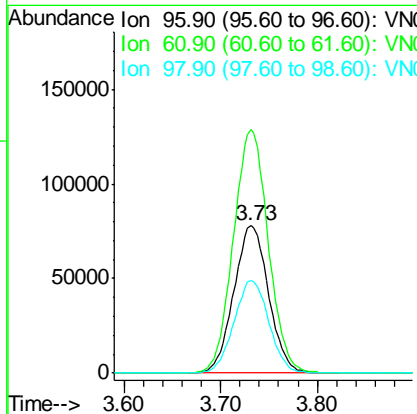
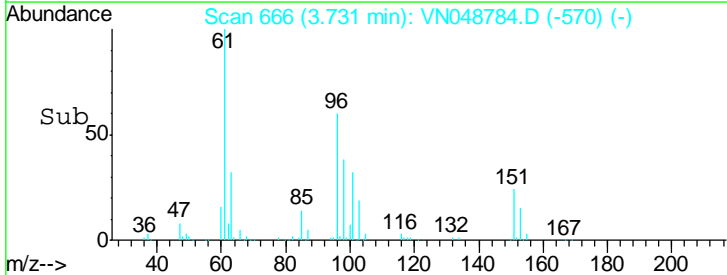


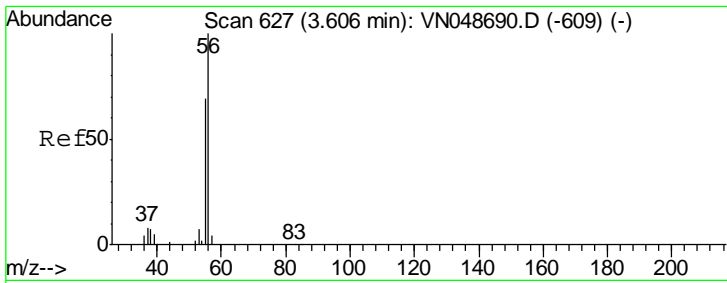
#12
 1,1-Dichloroethene
 Concen: 52.06 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11



Tgt Ion: 96 Resp: 195477

Ion	Ratio	Lower	Upper
96	100		
61	165.4	125.6	188.4
98	62.9	51.0	76.4



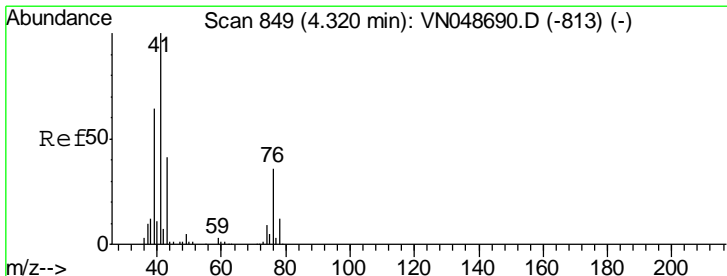
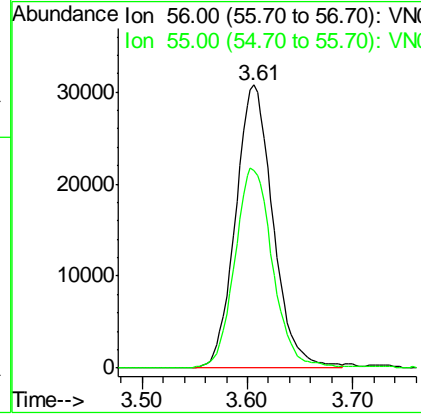
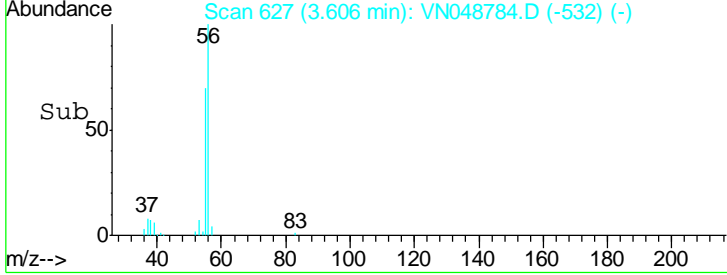
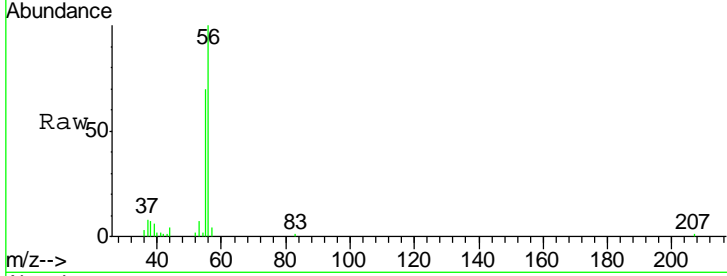


#13
 Acrolein
 Concen: 178.02 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
56	100		
55	71.3	57.1	85.7

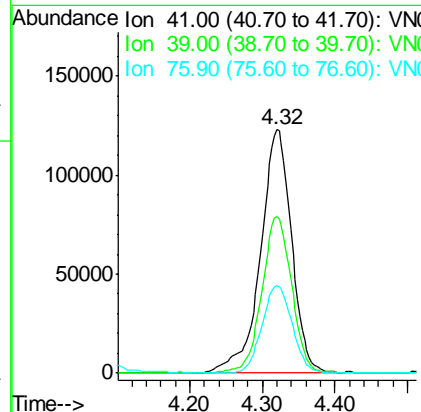
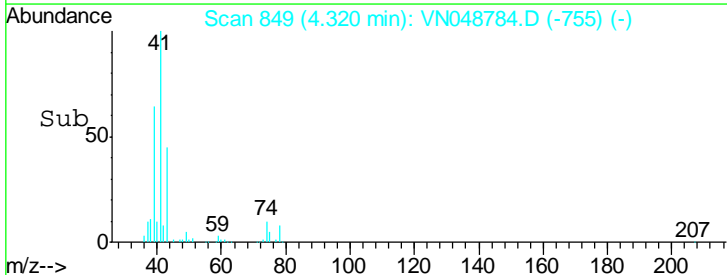
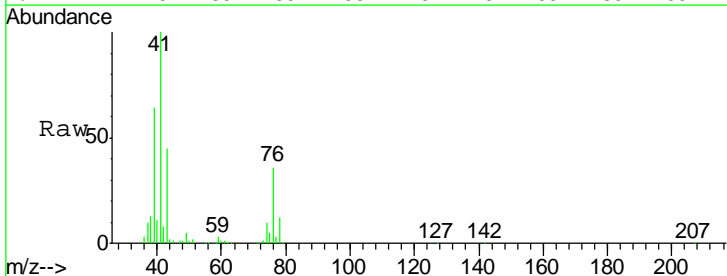
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 ClientSampleId : VSTDCCC050

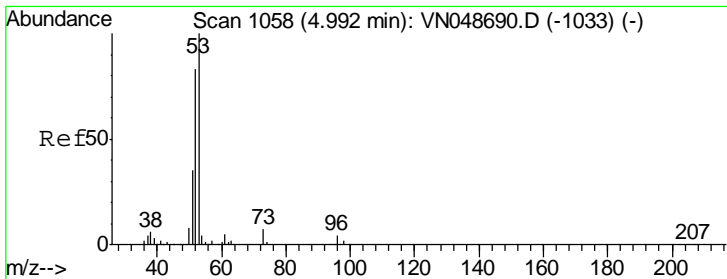
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#14
 Allyl chloride
 Concen: 52.36 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
41	100		
39	61.8	51.1	76.7
76	34.3	28.2	42.2



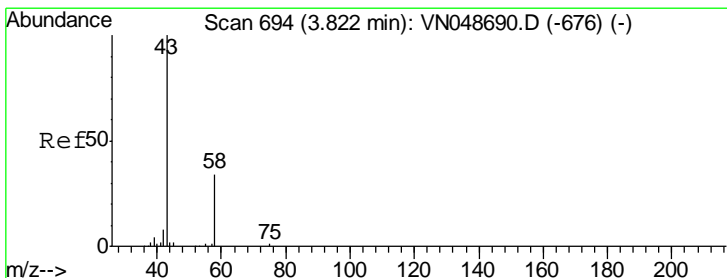
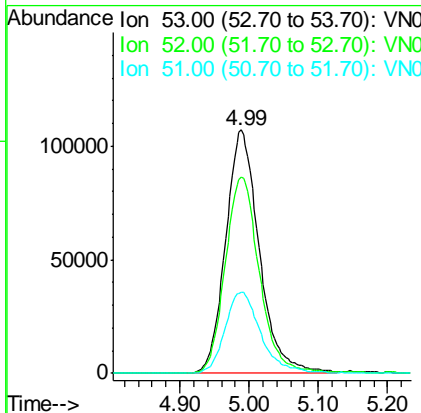
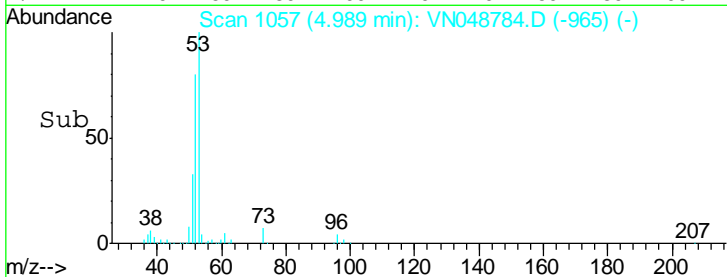
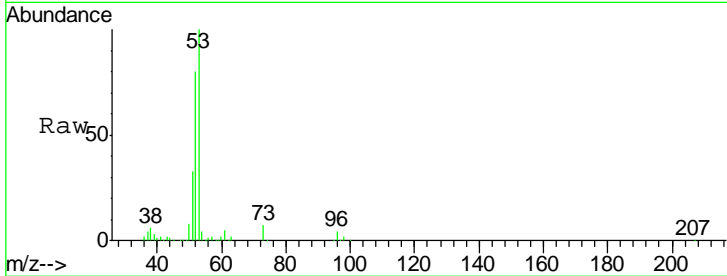


#15
 Acrylonitrile
 Concen: 266.80 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.8	65.5	98.3
51	35.5	28.8	43.2

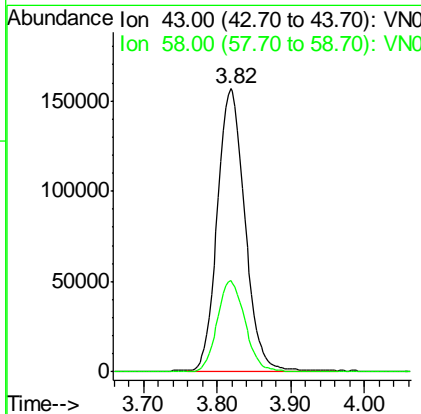
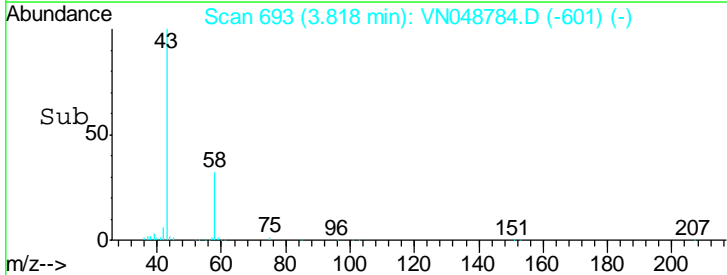
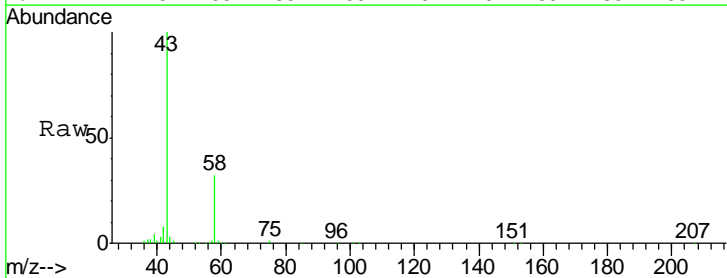
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

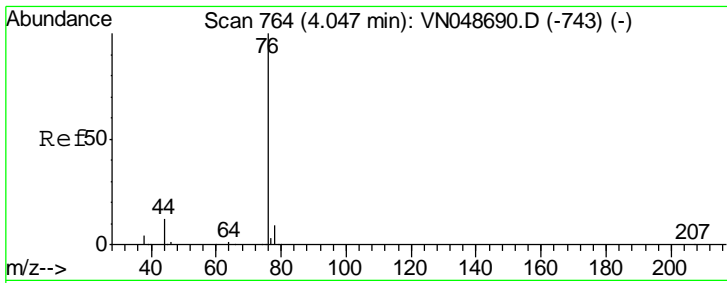
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#16
 Acetone
 Concen: 396.85 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.1	25.4	38.0



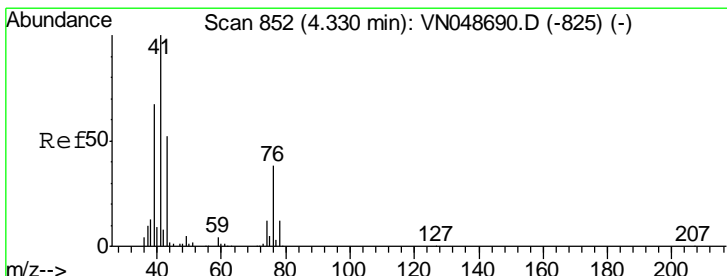
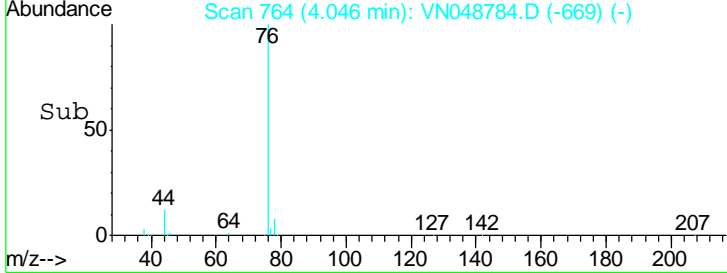
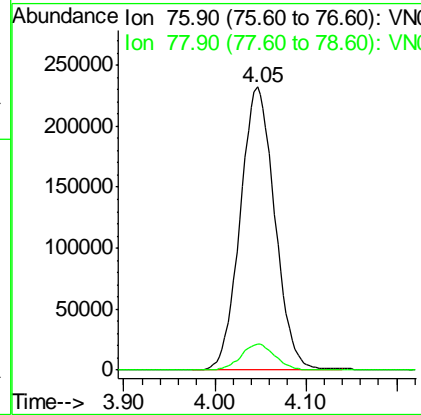
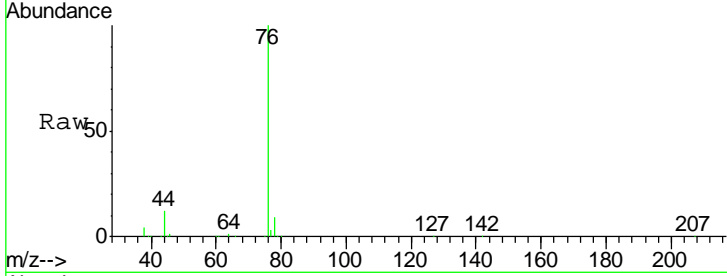


#17
 Carbon Disulfide
 Concen: 49.88 ug/l
 RT: 4.05 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
76	612370		
76	100		
78	9.2	7.2	10.8

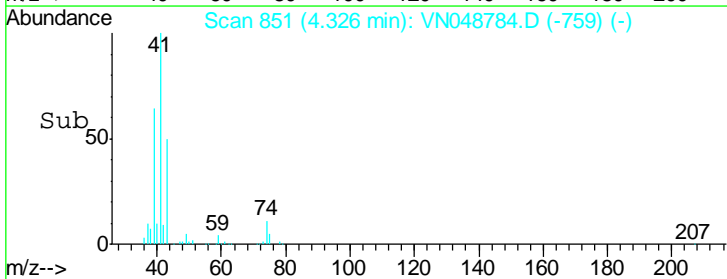
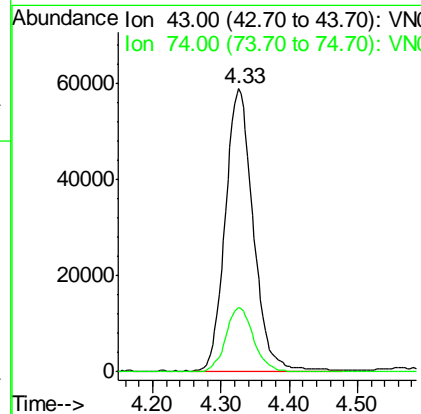
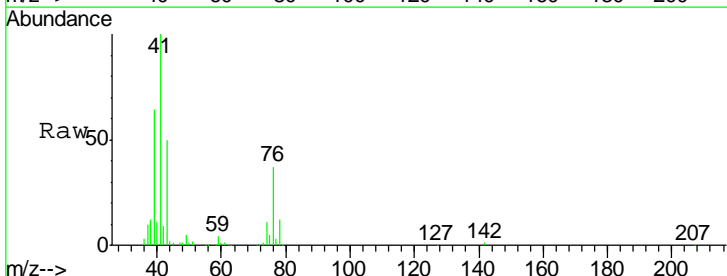
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

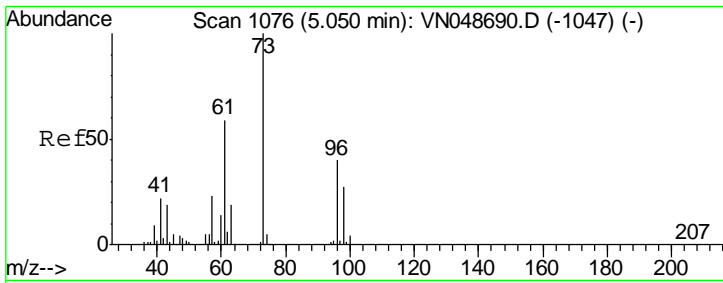
Manual Integrations APPROVED
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#18
 Methyl Acetate
 Concen: 54.29 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
43	165793		
43	100		
74	22.8	18.4	27.6



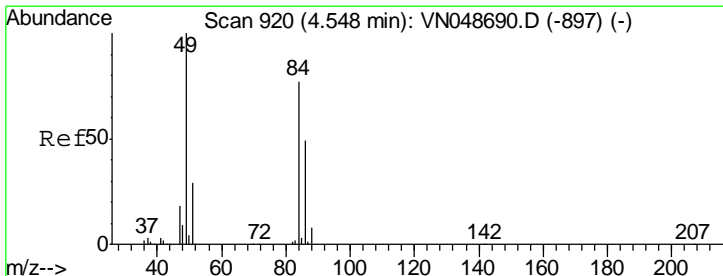
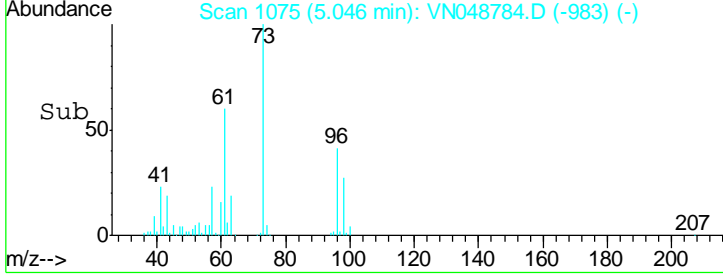
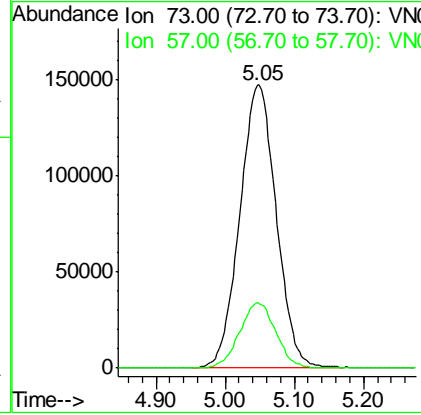
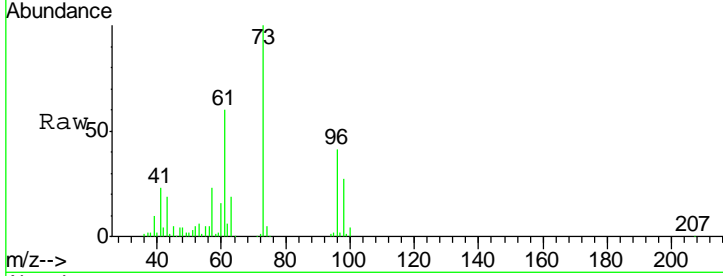


#19
 Methyl tert-butyl Ether
 Concen: 52.57 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

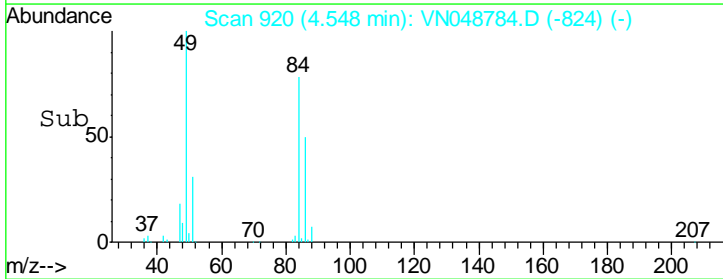
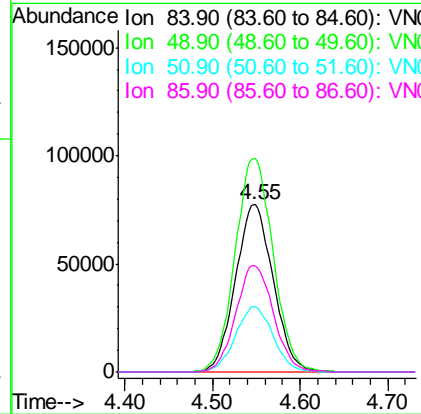
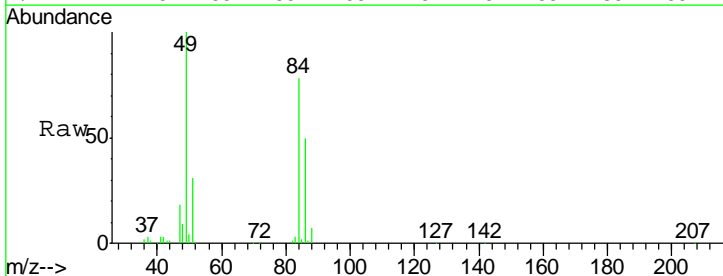
Tgt Ion	Resp	Lower	Upper
73	100		
57	23.1	18.0	27.0

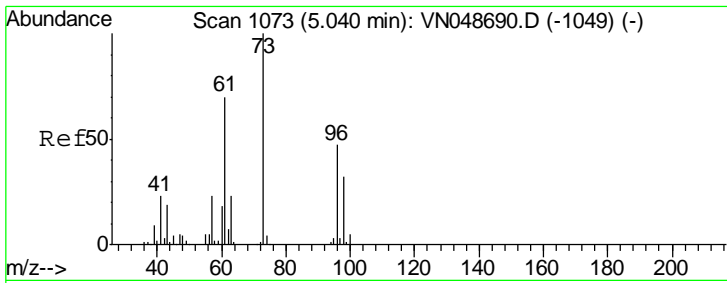
Manual Integrations
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 MMDadoda
 5/31/2018 6:55:30 PM



#20
 Methylene Chloride
 Concen: 51.52 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

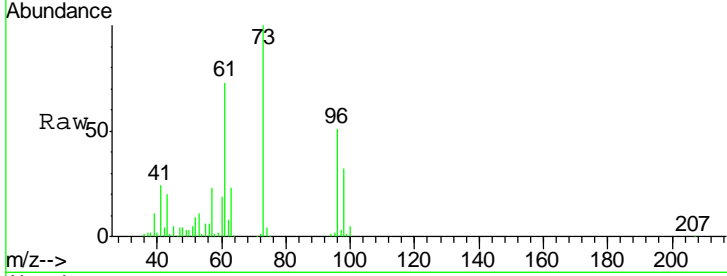
Tgt Ion	Resp	Lower	Upper
84	100		
49	127.2	97.7	146.5
51	39.3	30.4	45.6
86	63.6	51.8	77.8





#21
 trans-1,2-Dichloroethene
 Concen: 53.22 ug/l
 RT: 5.04 min Scan# 1072
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

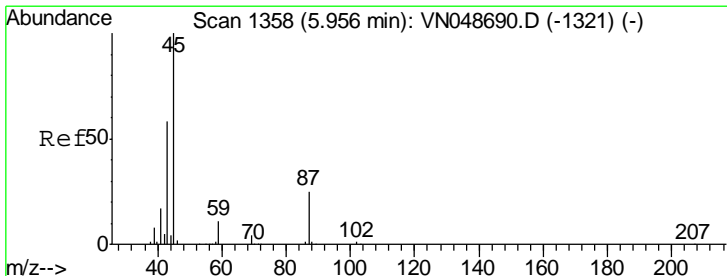
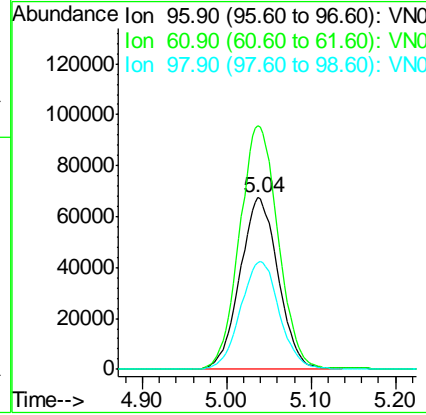
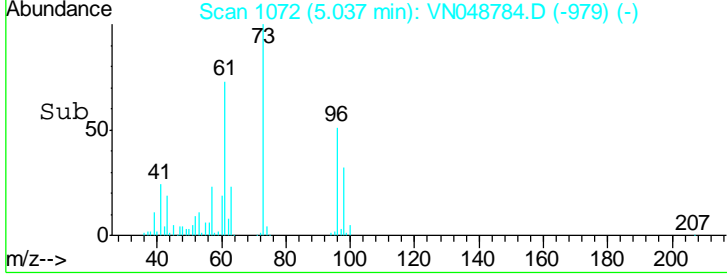
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



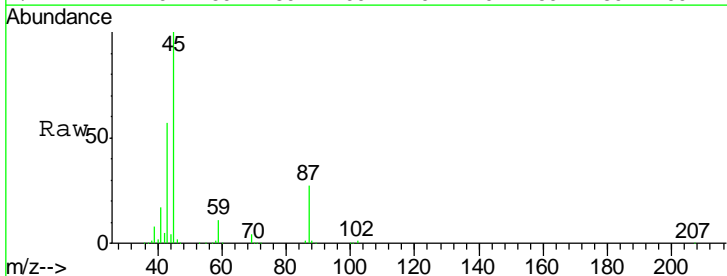
Tgt Ion: 96 Resp: 213220

Ion	Ratio	Lower	Upper
96	100		
61	141.8	112.2	168.2
98	62.4	50.5	75.7

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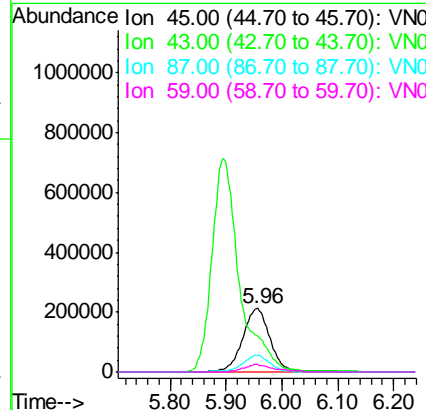
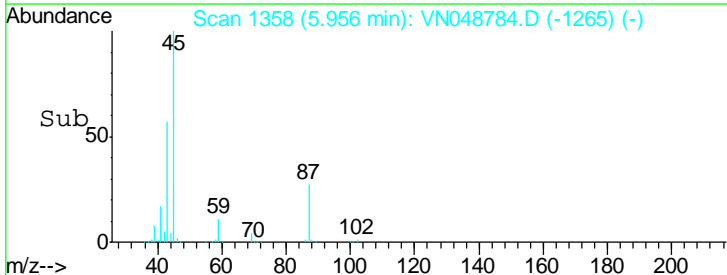


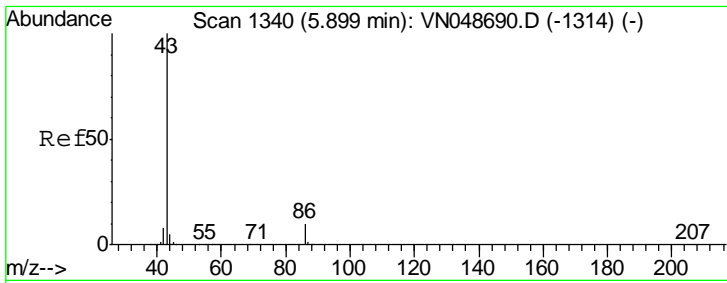
#22
 Diisopropyl ether
 Concen: 54.83 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11



Tgt Ion: 45 Resp: 734600

Ion	Ratio	Lower	Upper
45	100		
43	55.4	43.8	65.8
87	26.3	21.8	32.6
59	11.0	9.2	13.8





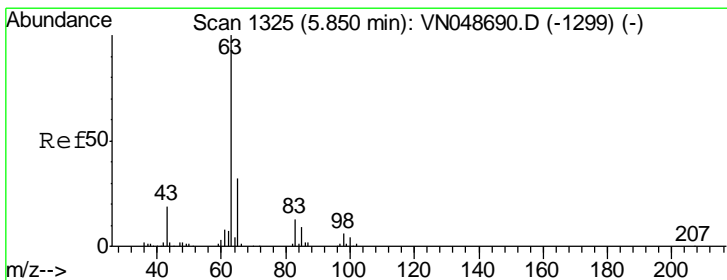
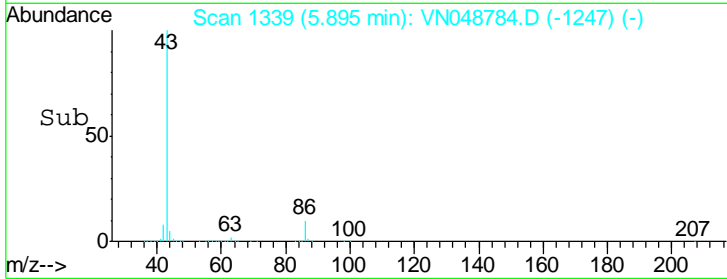
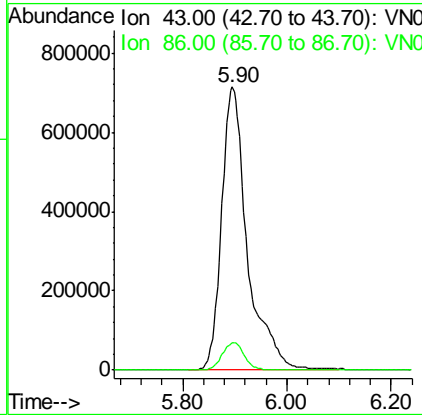
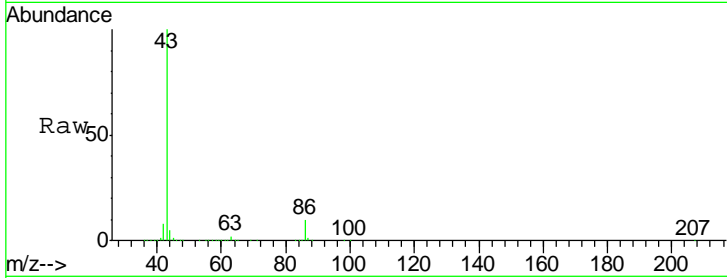
#23
 Vinyl Acetate
 Concen: 270.32 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 2461662

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.2	12.2

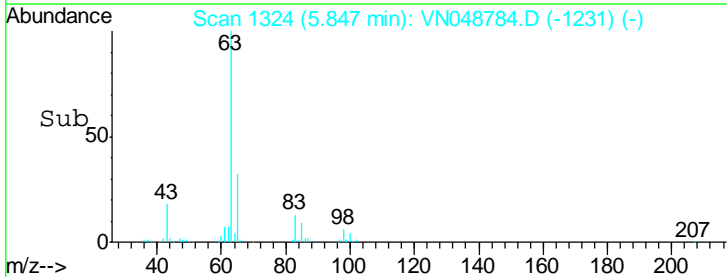
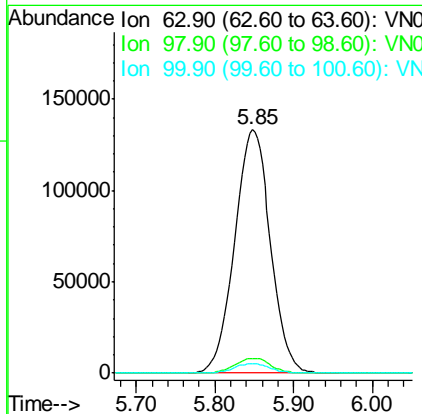
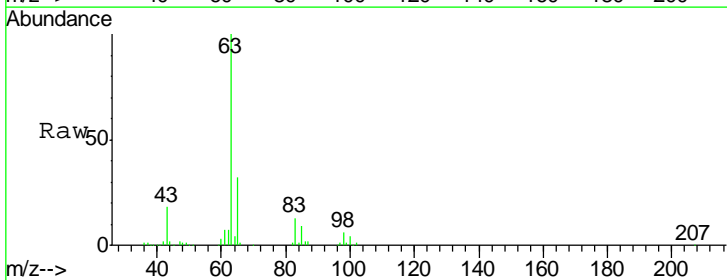
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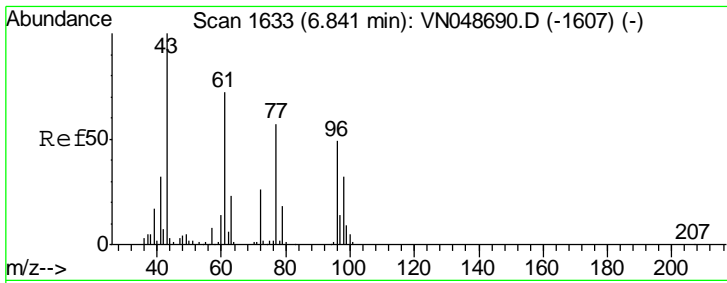


#24
 1,1-Dichloroethane
 Concen: 53.69 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion: 63 Resp: 423921

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.2	9.6
100	4.0	2.1	6.3



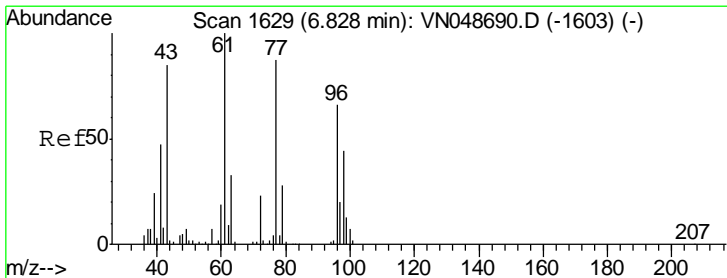
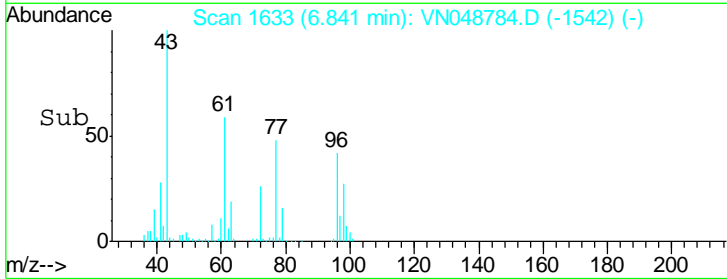
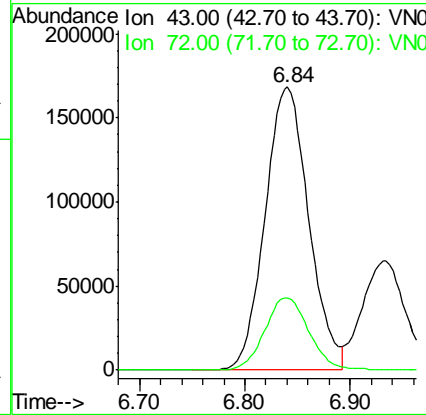
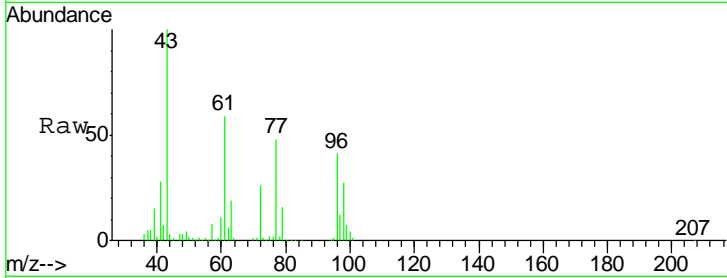


#25
 2-Butanone
 Concen: 302.47 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

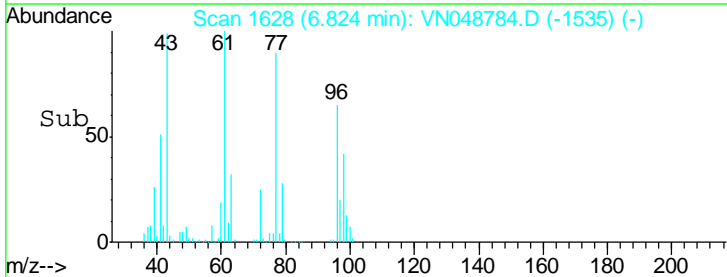
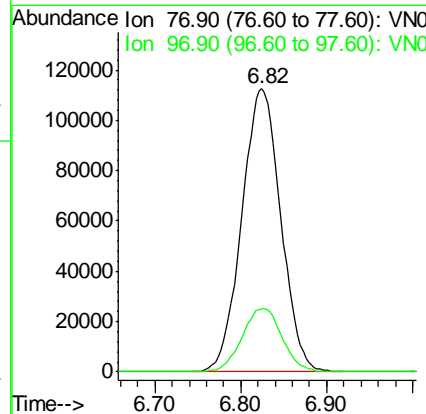
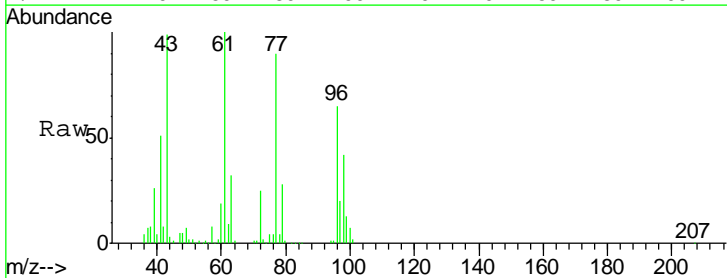
Tgt Ion	Resp	Lower	Upper
43	100		
72	25.5	20.8	31.2

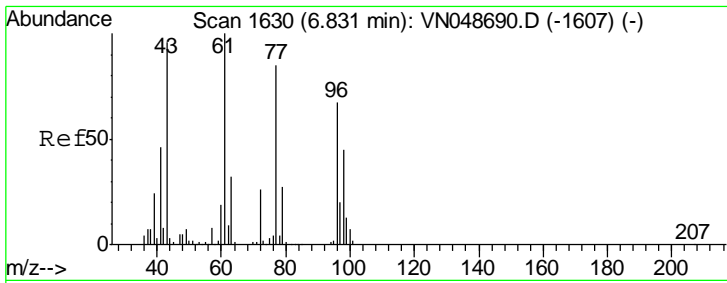
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#26
 2,2-Dichloropropane
 Concen: 53.93 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.0	11.9	35.5



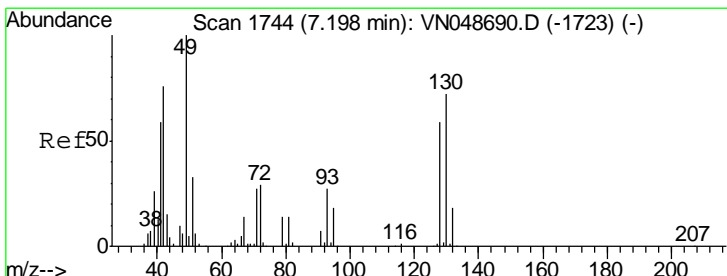
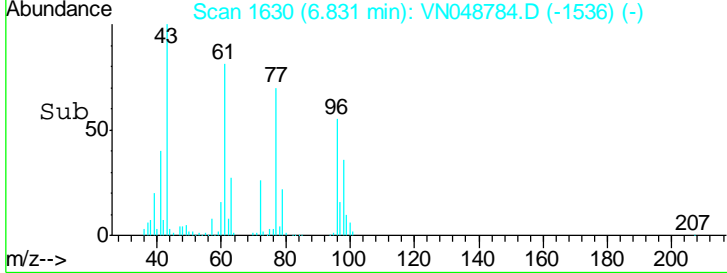
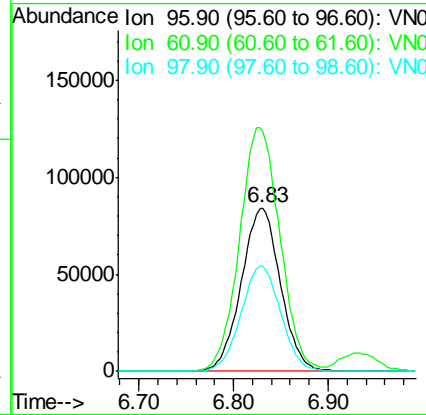
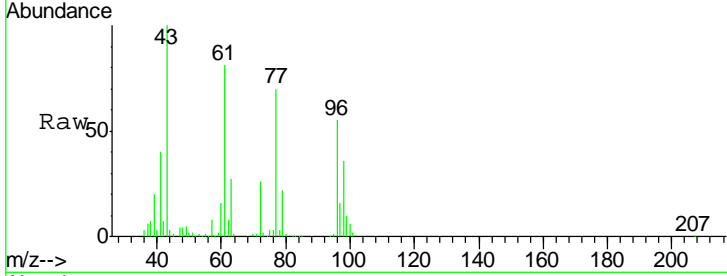


#27
 cis-1,2-Dichloroethene
 Concen: 53.44 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
96	241491		
96	100		
61	154.0	0.0	292.6
98	65.6	0.0	128.2

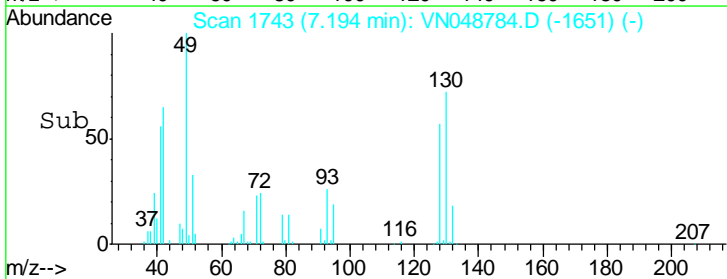
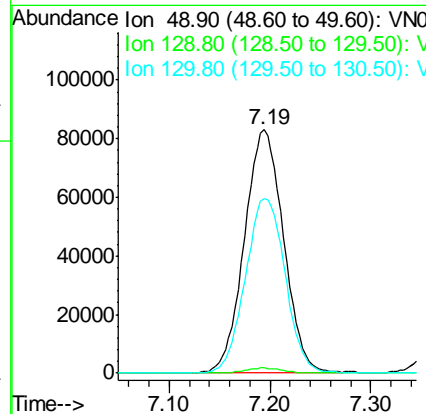
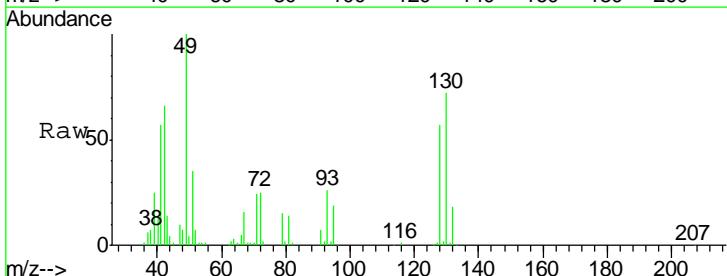
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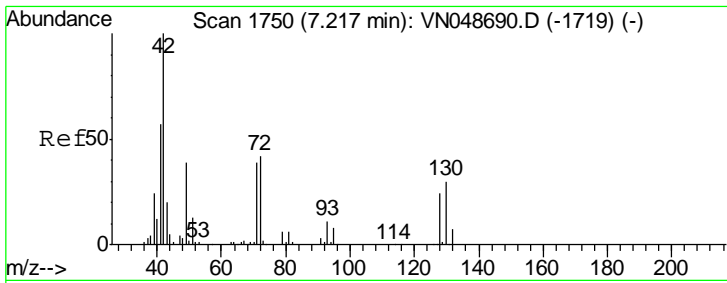


#28
 Bromochloromethane
 Concen: 62.41 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

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Tgt Ion	Resp	Lower	Upper
49	223487		
49	100		
129	1.9	0.0	3.8
130	73.0	64.2	96.2



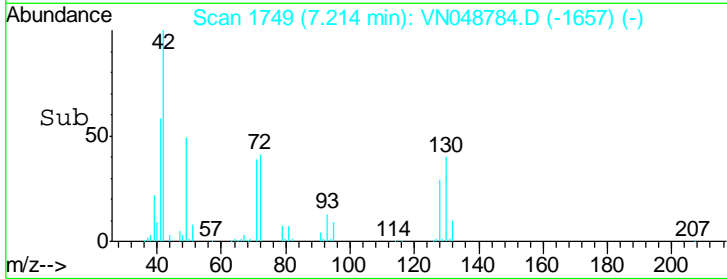
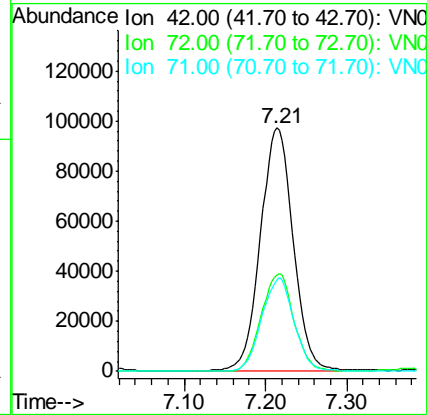
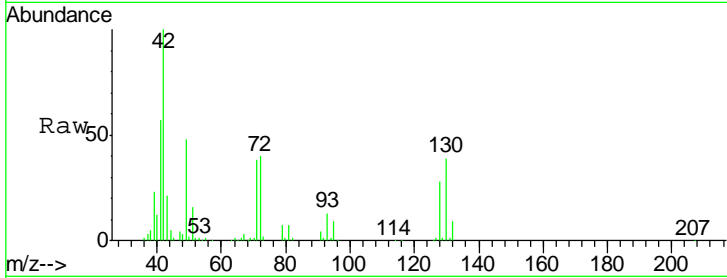


#29
 Tetrahydrofuran
 Concen: 254.91 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
42	100		
72	40.0	34.2	51.4
71	37.9	31.8	47.8

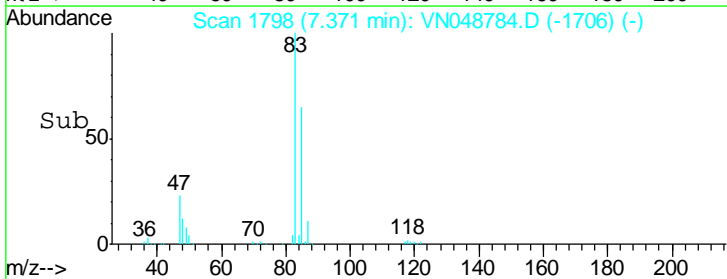
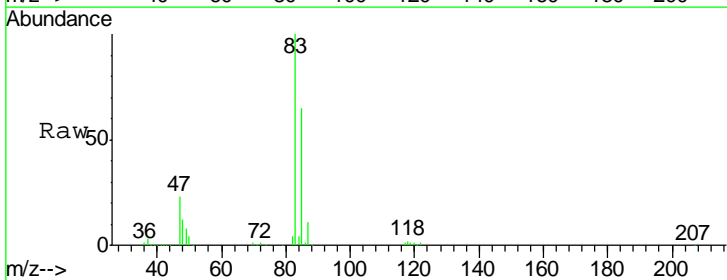
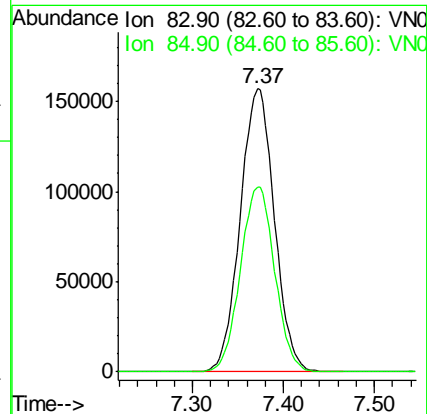
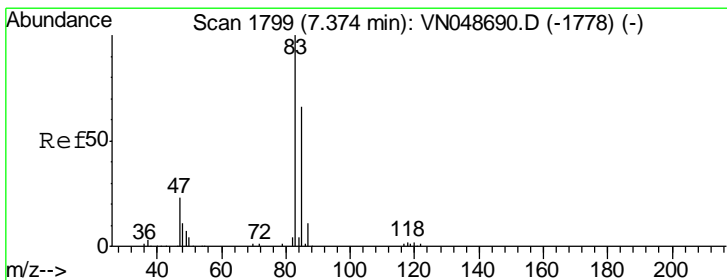
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

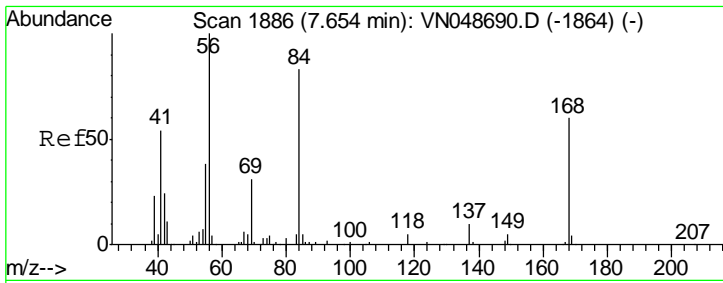
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#30
 Chloroform
 Concen: 53.88 ug/l
 RT: 7.37 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.2	51.1	76.7



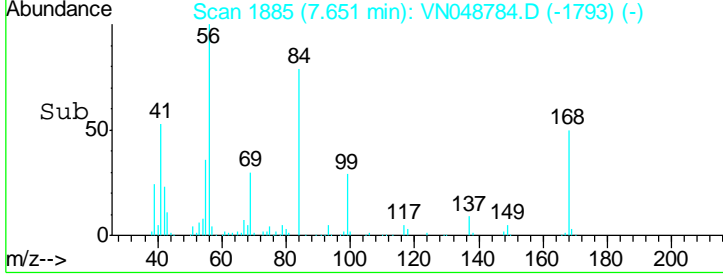
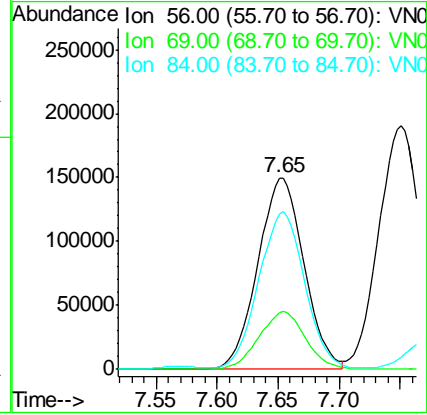
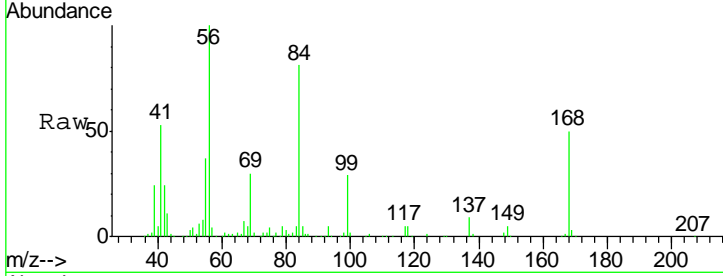


#31
 Cyclohexane
 Concen: 54.94 ug/l
 RT: 7.65 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 Client Sampled : VSTDC050

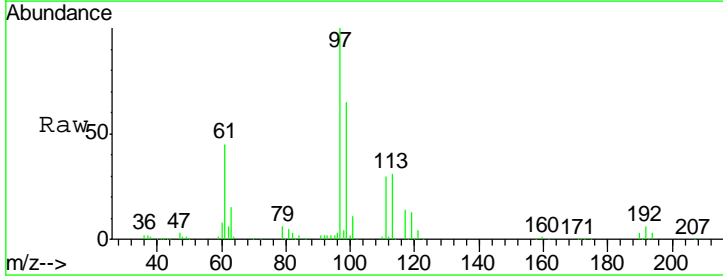
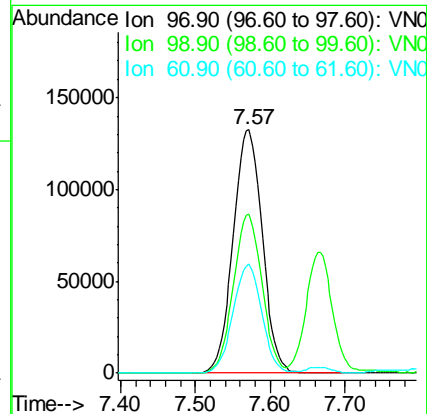
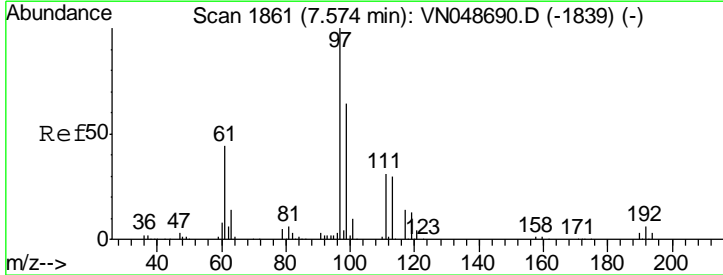
Tgt Ion	Resp	Lower	Upper
56	100		
69	29.7	25.6	38.4
84	80.2	67.5	101.3

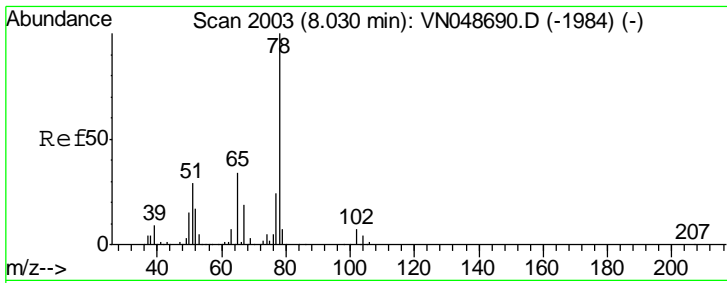
Manual Integrations
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#32
 1,1,1-Trichloroethane
 Concen: 54.40 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	44.0	34.2	51.2



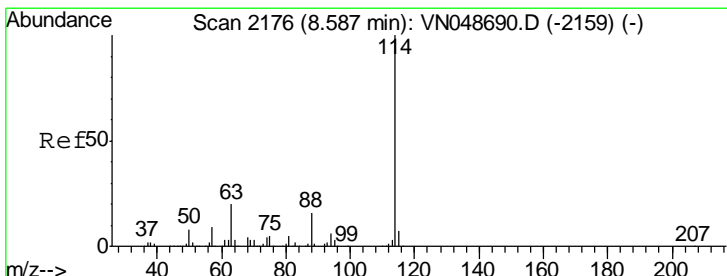
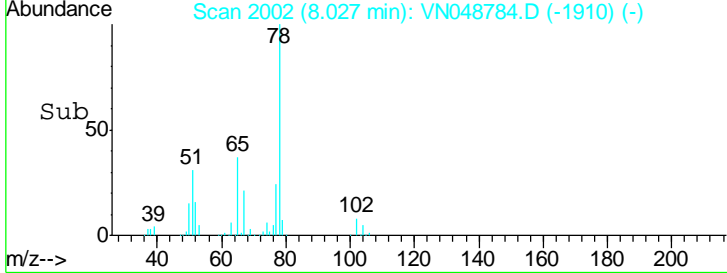
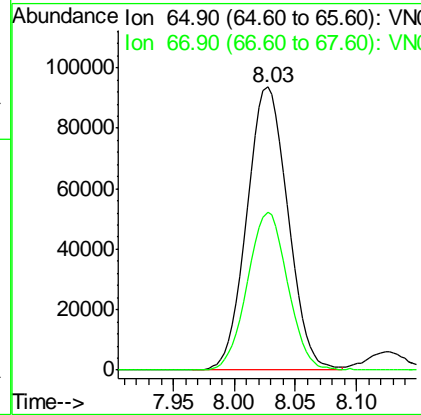
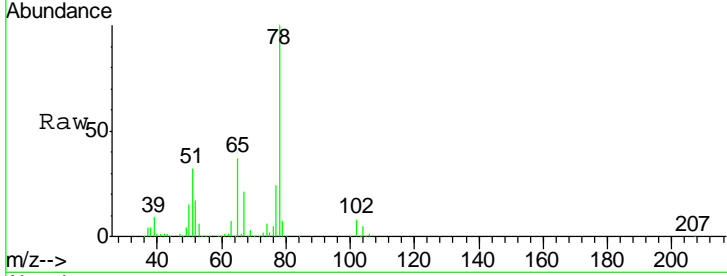


#33
 1,2-Dichloroethane-d4
 Concen: 52.12 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.8	0.0	108.4

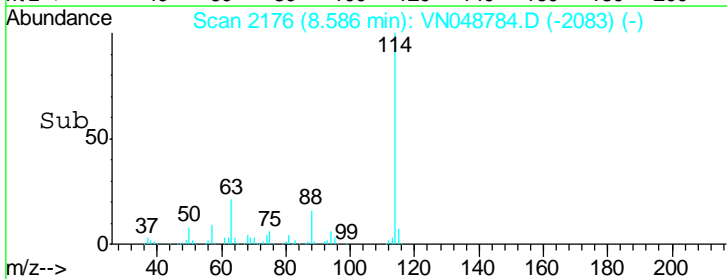
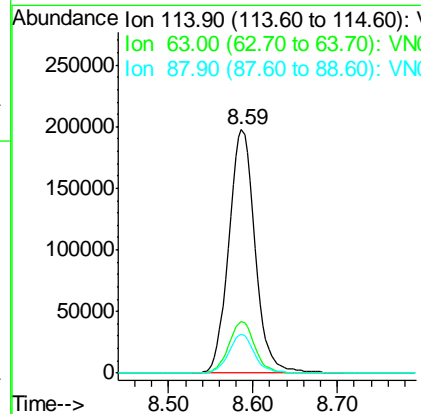
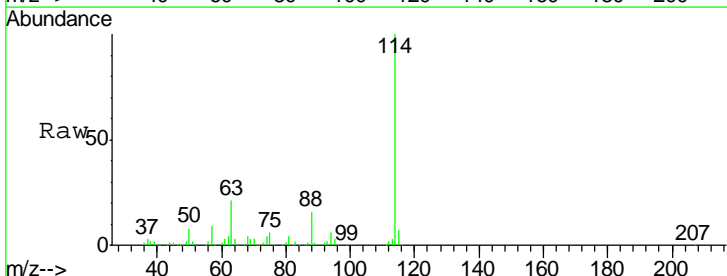
Manual Integrations
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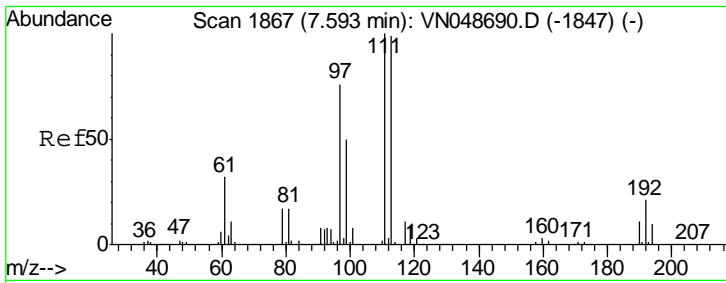


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

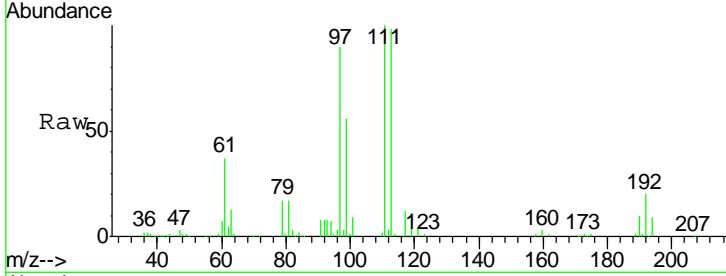
Tgt Ion	Resp	Lower	Upper
114	100		
63	21.0	0.0	40.0
88	15.8	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 56.27 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

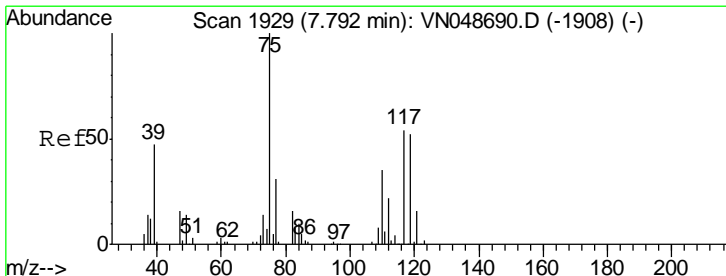
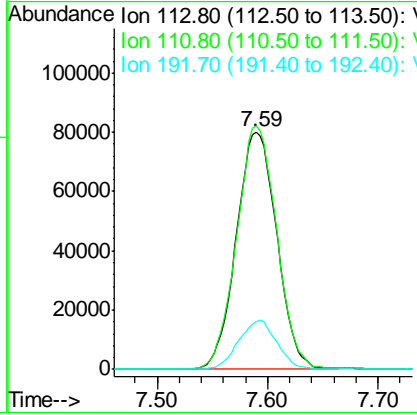
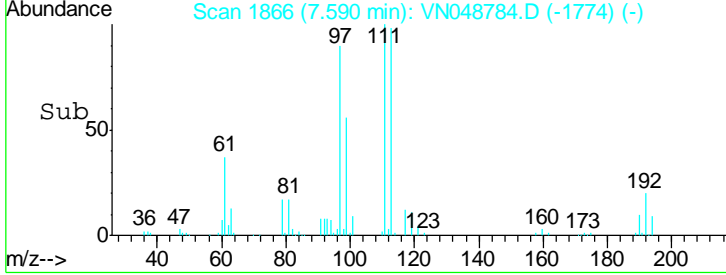
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050



Tgt Ion: 113 Resp: 203981

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.7	122.5
192	19.6	17.6	26.4

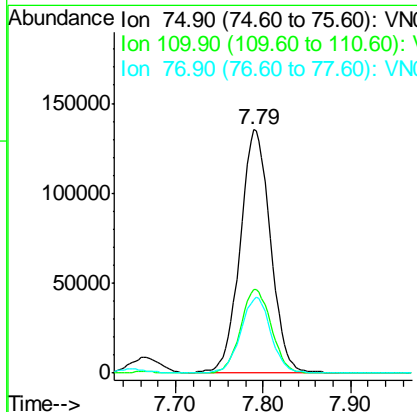
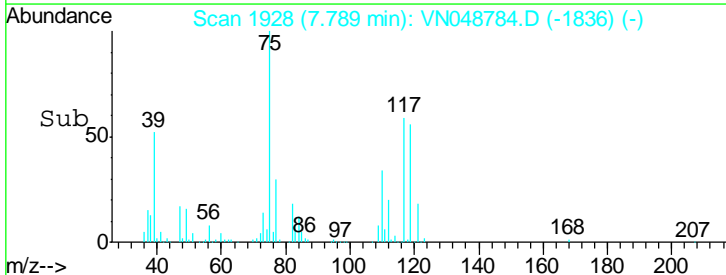
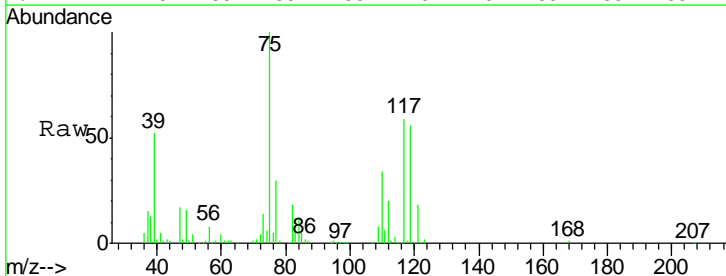
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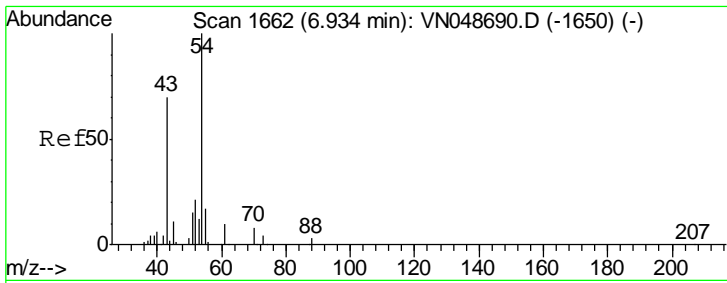


#36
 1,1-Dichloropropene
 Concen: 54.74 ug/l
 RT: 7.79 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion: 75 Resp: 323826

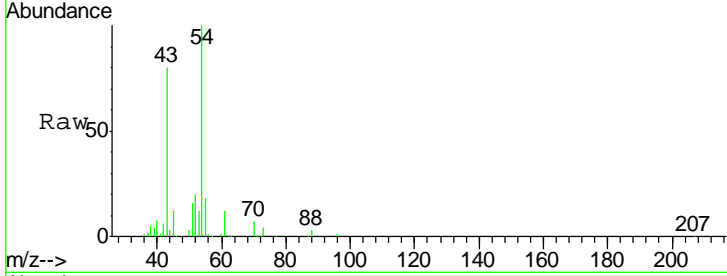
Ion	Ratio	Lower	Upper
75	100		
110	34.9	18.4	55.0
77	31.1	25.0	37.4





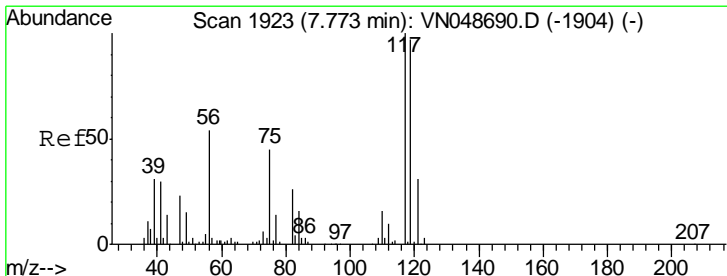
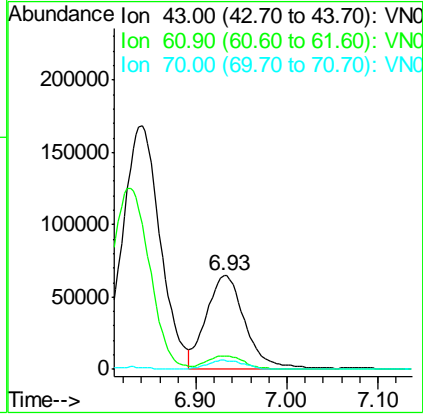
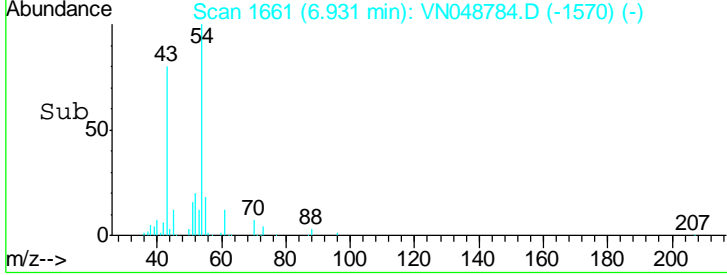
#37
Ethyl Acetate
Concen: 53.43 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN048784.D
Acq: 31 May 2018 11:11

Instrument : MSVOA_N
Client Sampled : VSTDC050

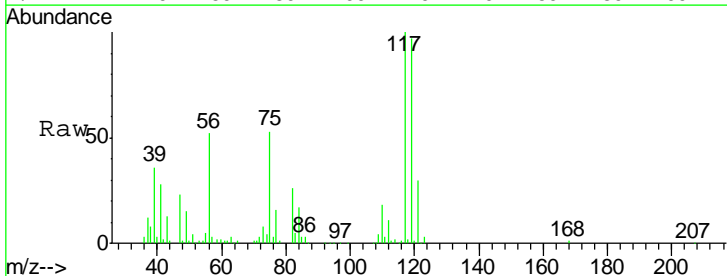


Tgt Ion	Resp	Lower	Upper
43	100		
61	13.9	11.4	17.2
70	9.6	8.6	12.8

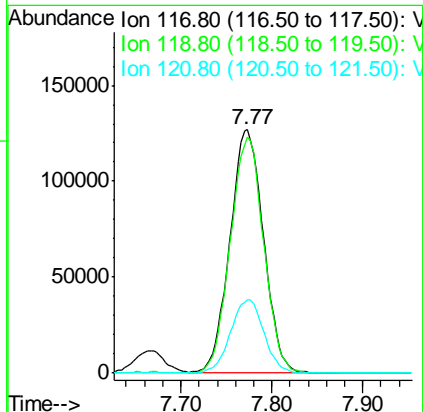
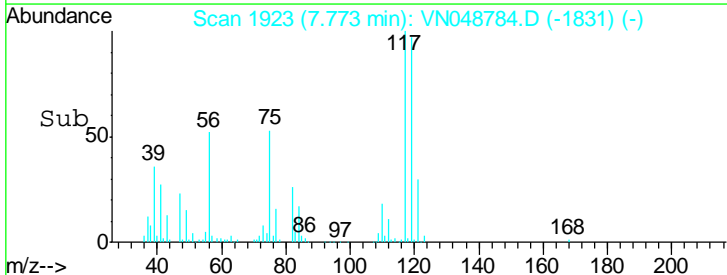
Manual Integrations APPROVED
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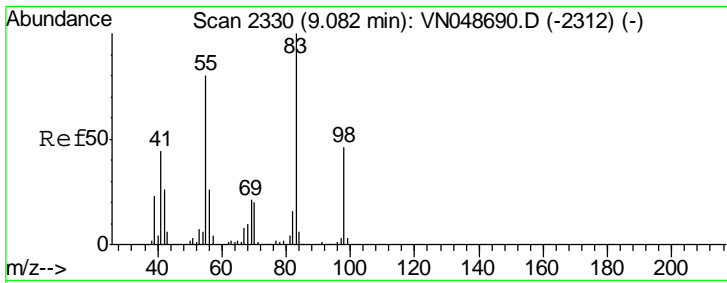


#38
Carbon Tetrachloride
Concen: 53.94 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN048784.D
Acq: 31 May 2018 11:11



Tgt Ion	Resp	Lower	Upper
117	100		
119	96.7	78.0	117.0
121	30.1	24.5	36.7



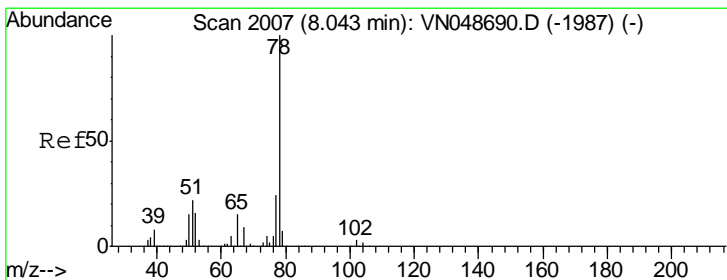
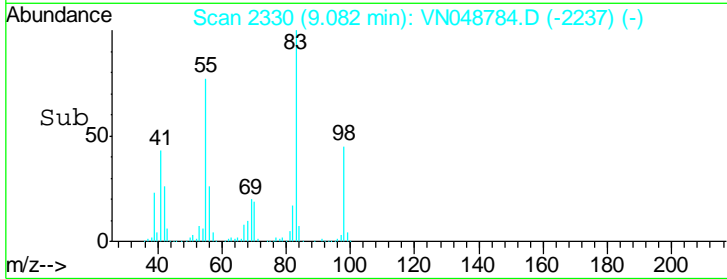
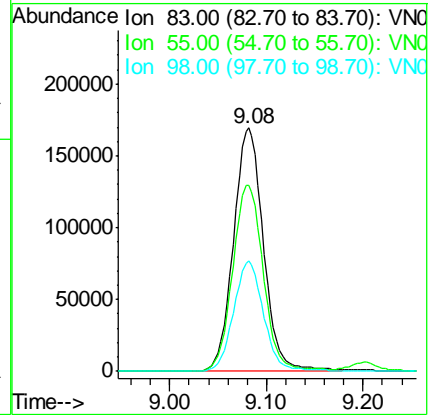
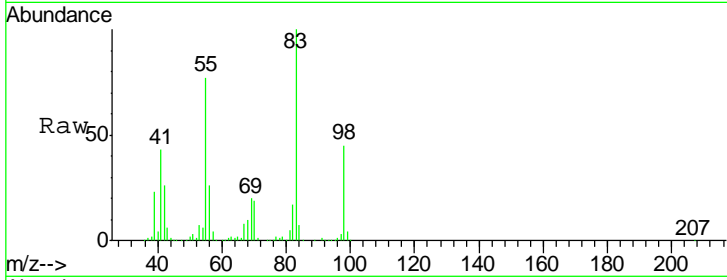


#39
 Methylcyclohexane
 Concen: 56.67 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
83	364438		
83	100		
55	76.6	61.7	92.5
98	45.3	36.8	55.2

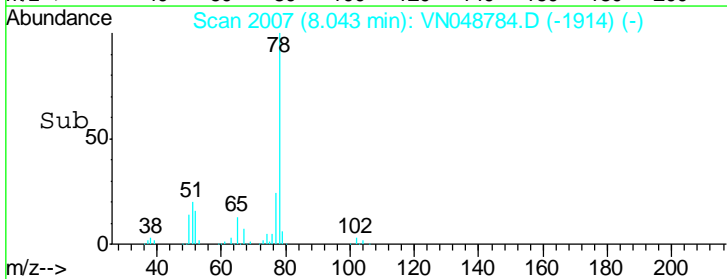
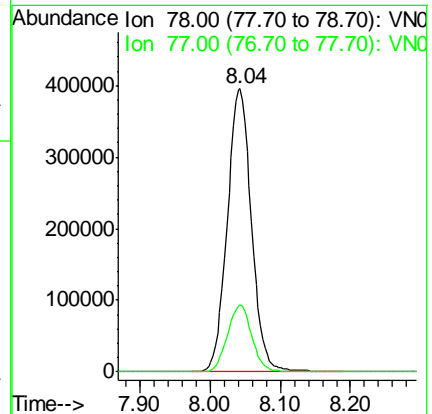
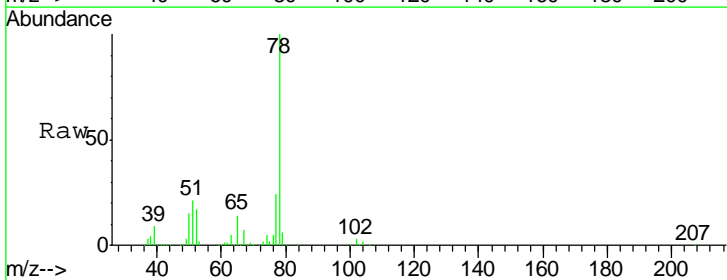
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

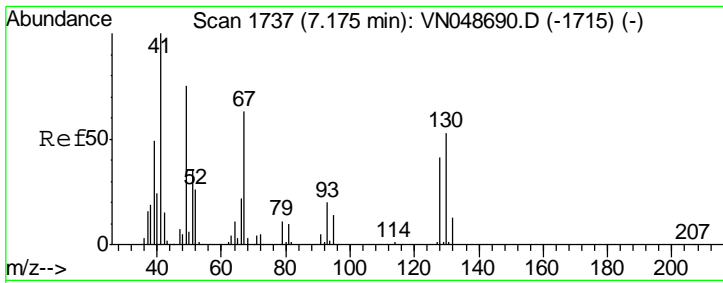
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#40
 Benzene
 Concen: 54.94 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
78	948235		
78	100		
77	23.8	18.7	28.1



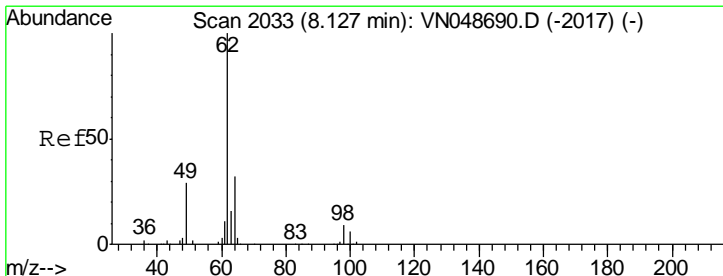
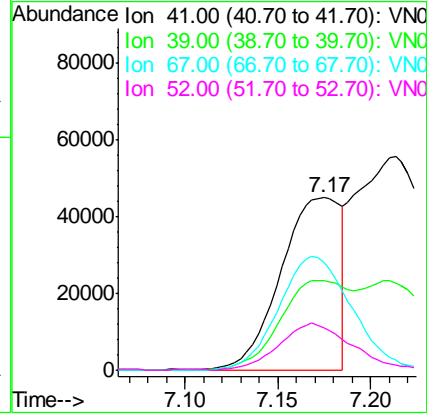
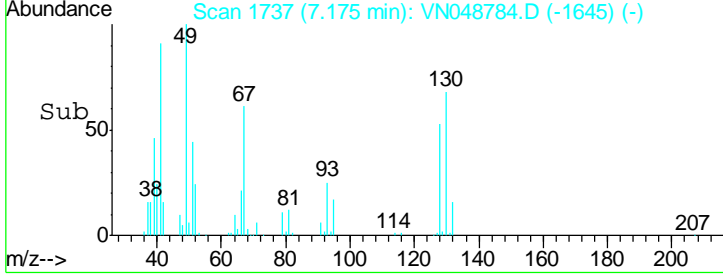
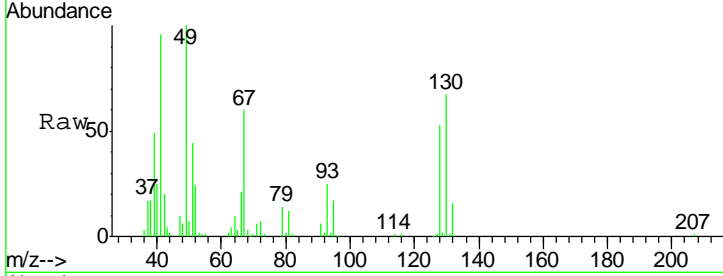


#41
 Methacrylonitrile
 Concen: 51.70 ug/l
 RT: 7.17 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
41	100		
39	60.3	47.4	71.2
67	81.1	62.4	93.6
52	32.1	25.6	38.4

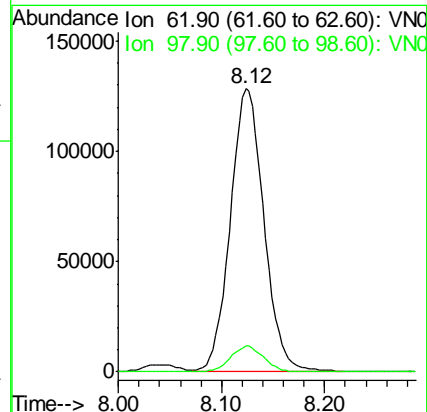
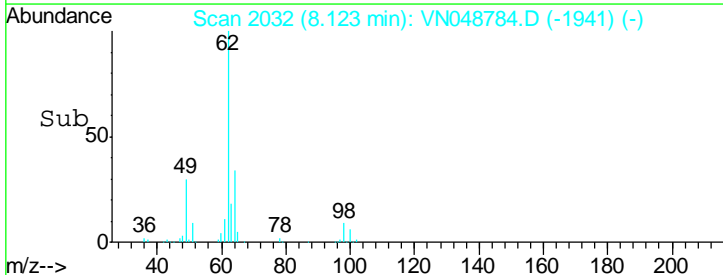
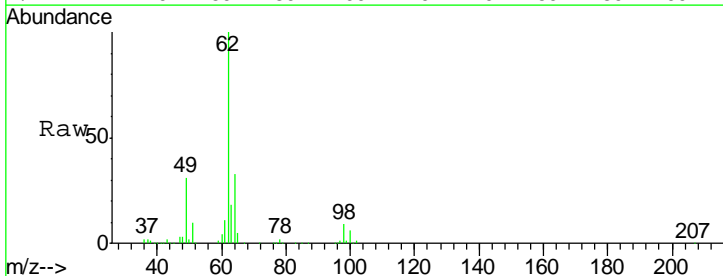
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

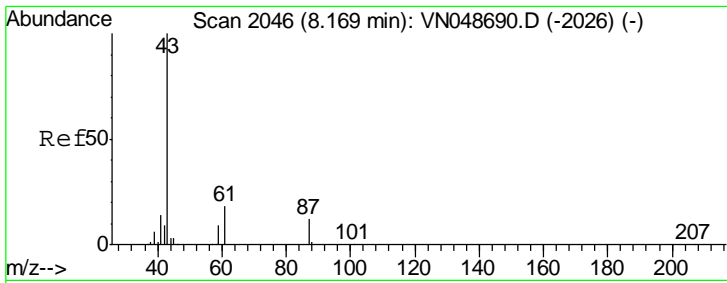
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#42
 1,2-Dichloroethane
 Concen: 53.78 ug/l
 RT: 8.12 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.0	0.0	18.2





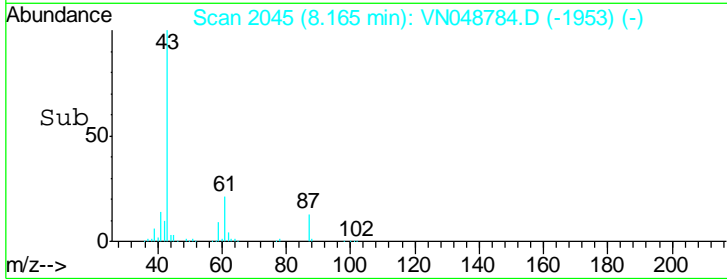
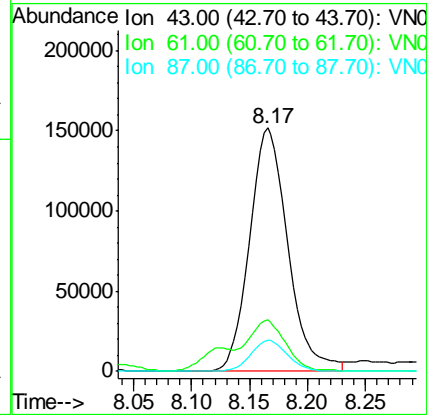
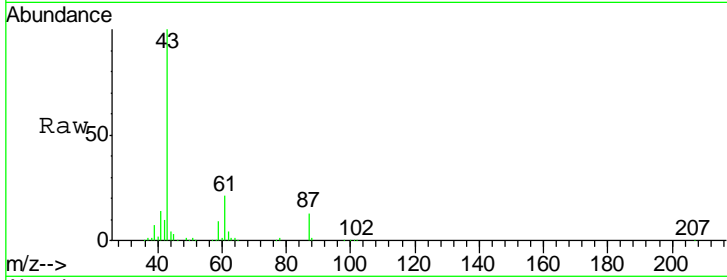
#43
 Isopropyl Acetate
 Concen: 53.34 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.9	22.2	33.2#
87	12.5	10.6	15.8

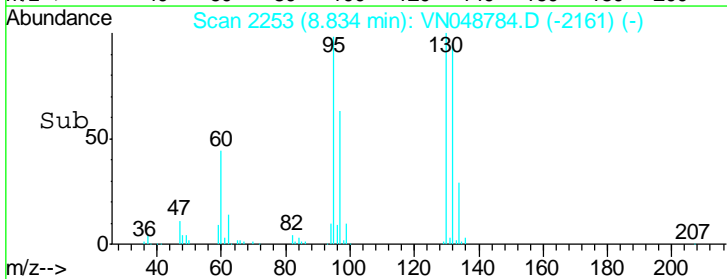
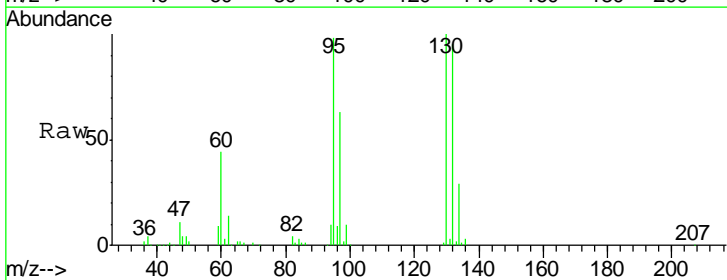
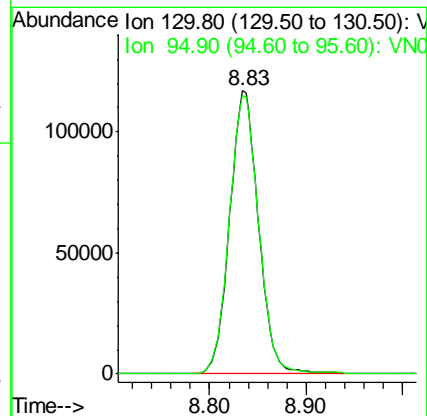
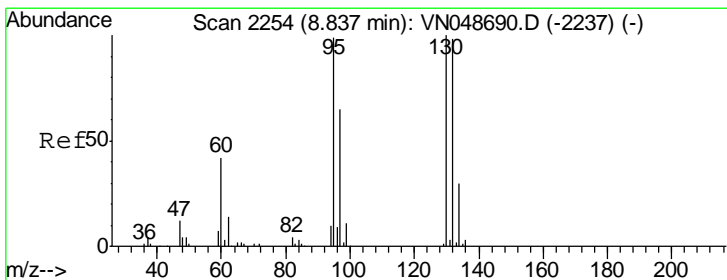
Manual Integrations
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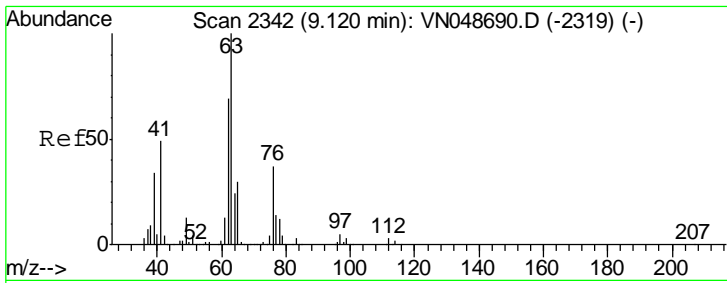
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 5/31/2018 6:55:30 PM



#44
 Trichloroethene
 Concen: 54.58 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
130	100		
95	98.1	0.0	191.6



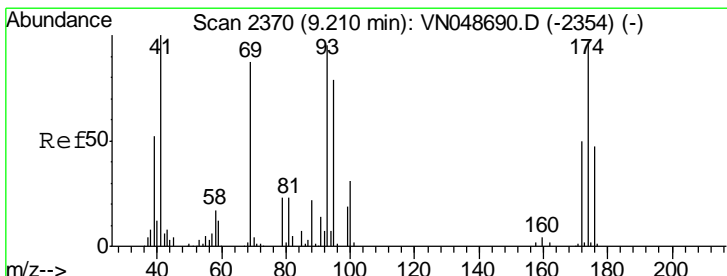
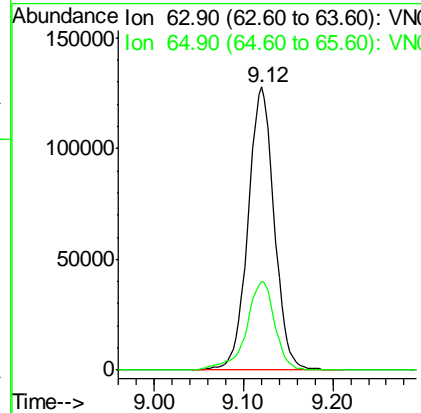
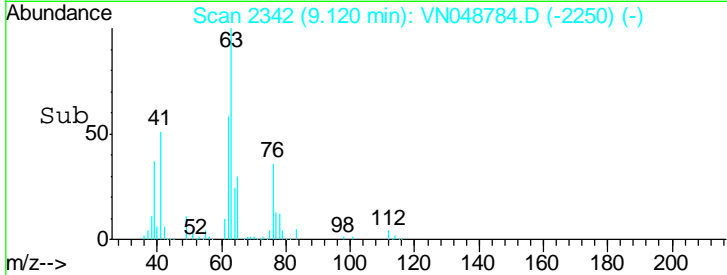
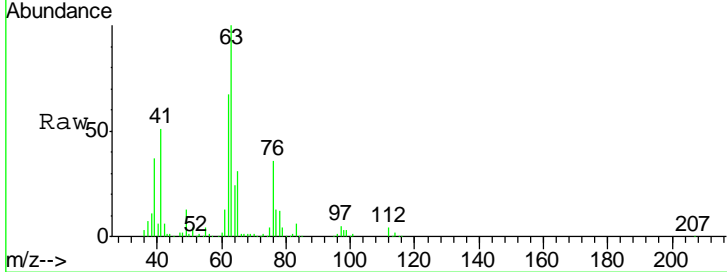


#45
 1,2-Dichloropropane
 Concen: 55.35 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.3	23.9	35.9

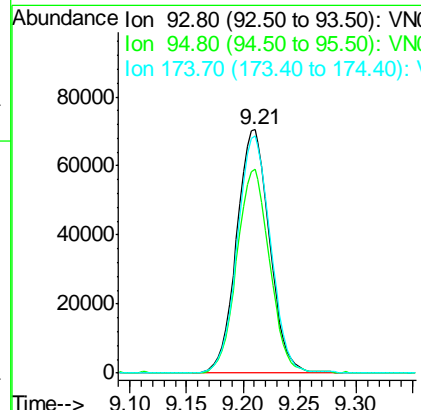
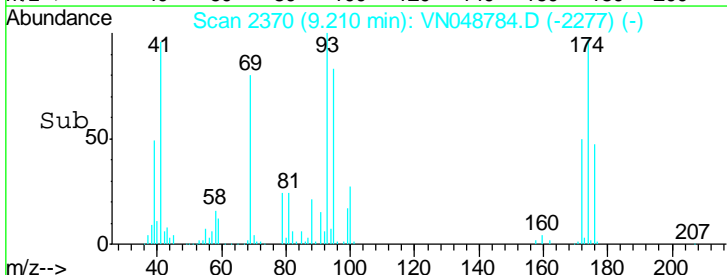
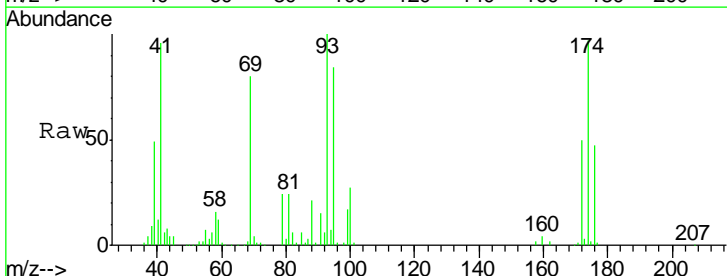
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

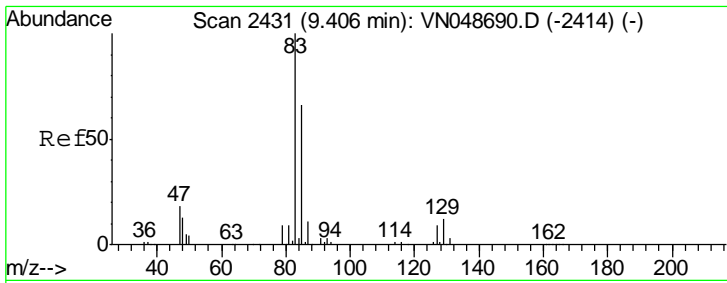
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#46
 Dibromomethane
 Concen: 54.45 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.3	66.7	100.1
174	97.5	87.7	131.5



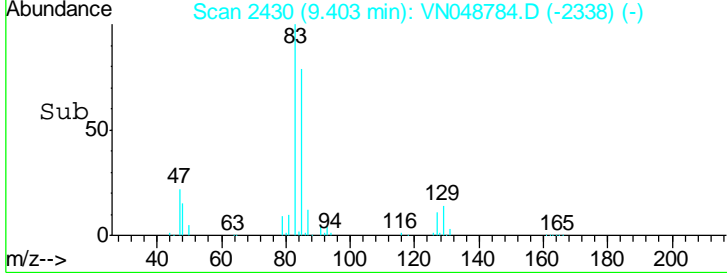
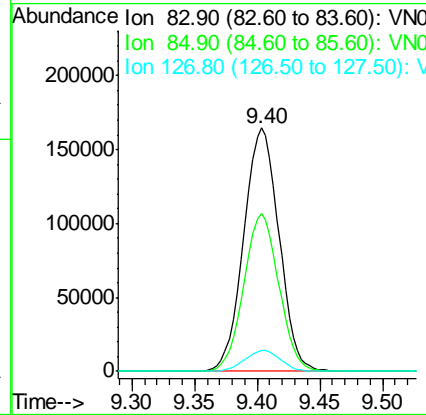
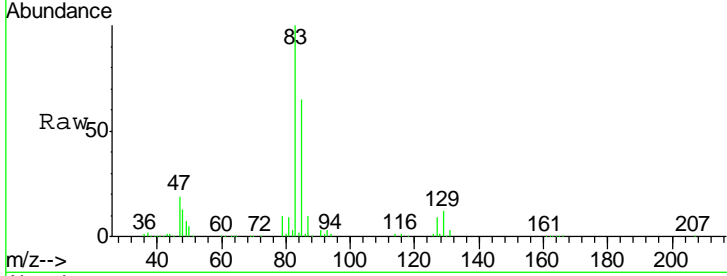


#47
 Bromodichloromethane
 Concen: 54.49 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

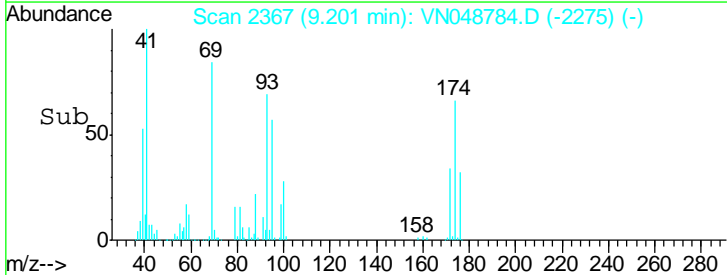
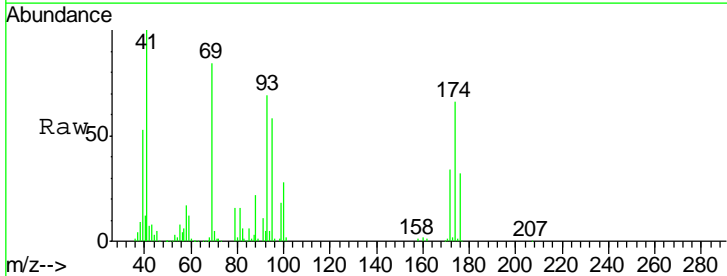
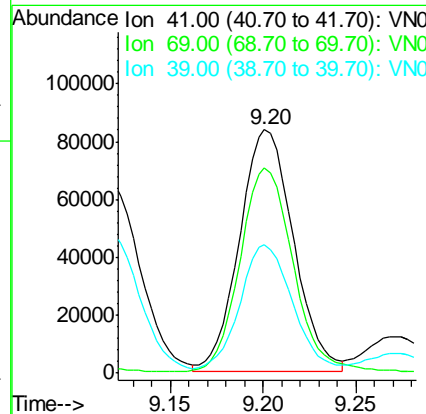
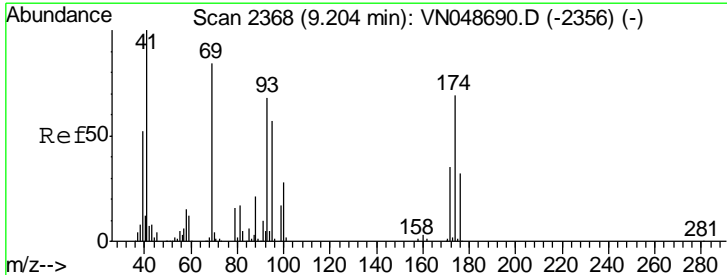
Tgt Ion	Resp	Lower	Upper
83	321142		
85	64.8	52.1	78.1
127	8.7	7.3	10.9

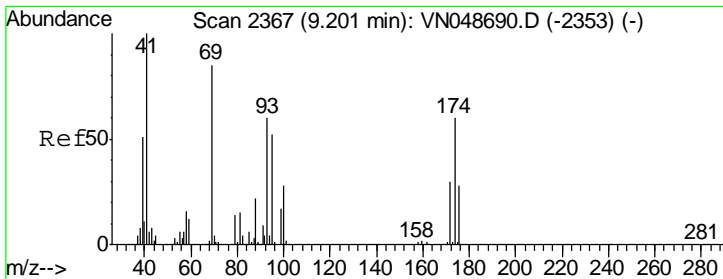
Manual Integrations
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 5/31/2018 6:55:30 PM



#48
 Methyl methacrylate
 Concen: 53.62 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
41	169287		
69	84.2	68.6	103.0
39	52.5	42.3	63.5



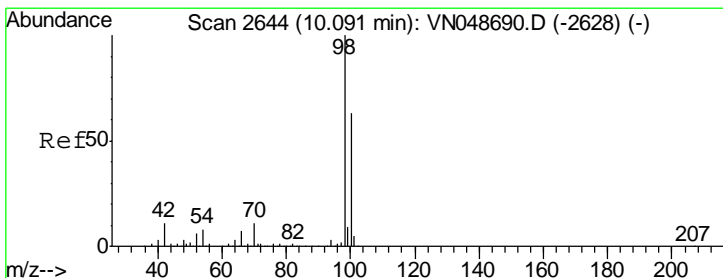
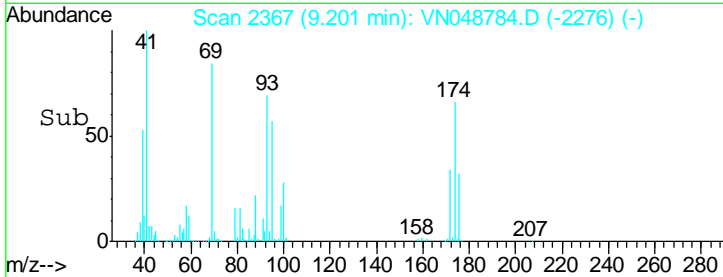
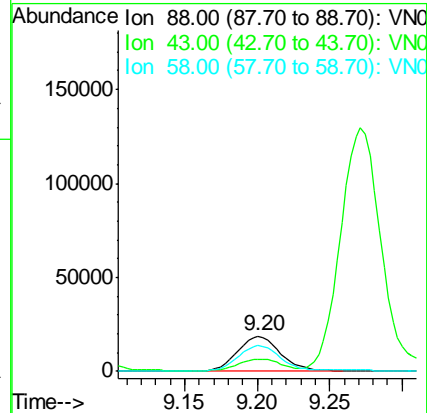
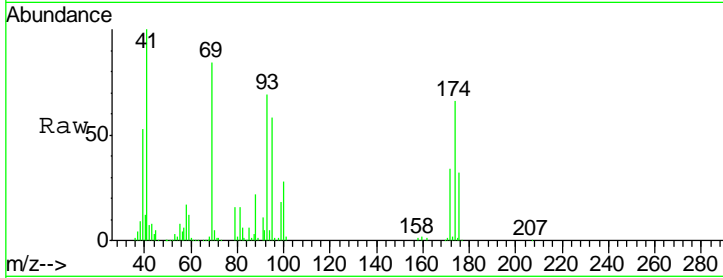


#49
 1,4-Dioxane
 Concen: 996.85 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.01 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

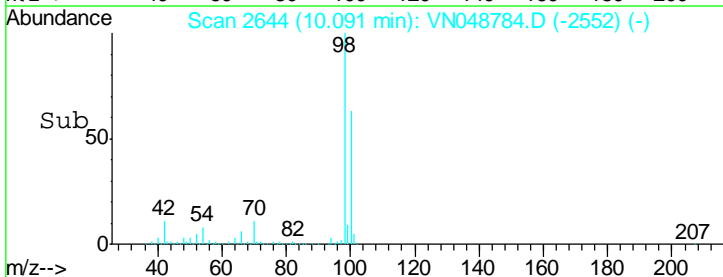
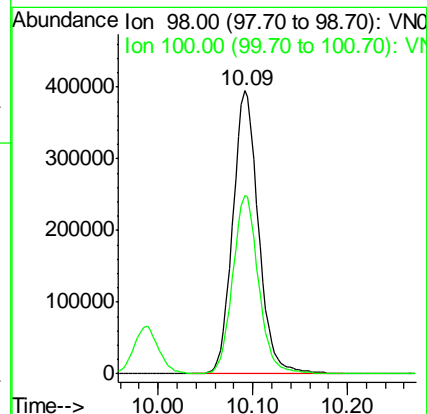
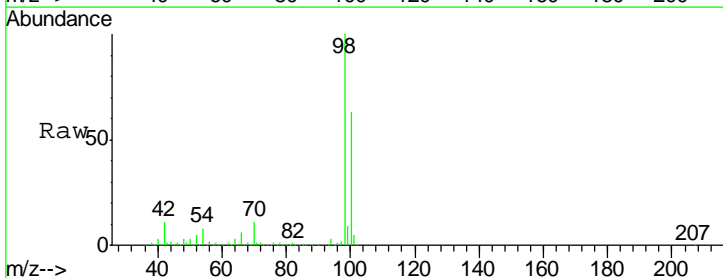
Tgt Ion	Resp	Lower	Upper
88	38847		
88	100		
43	32.1	27.6	41.4
58	73.5	57.0	85.6

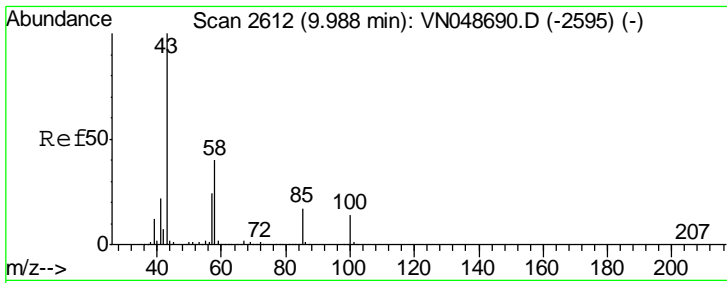
Manual Integrations APPROVED
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 5/31/2018 6:55:30 PM



#50
 Toluene-d8
 Concen: 55.76 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
98	747228		
98	100		
100	63.4	51.2	76.8





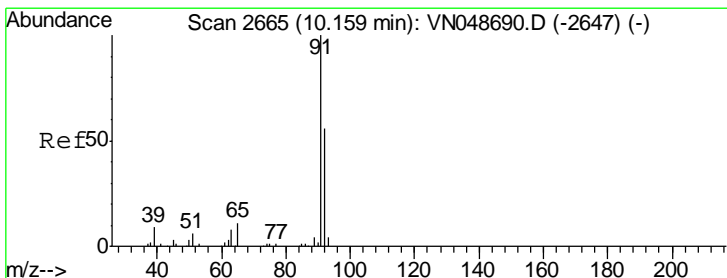
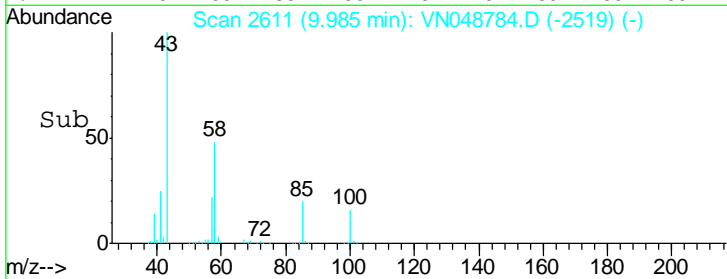
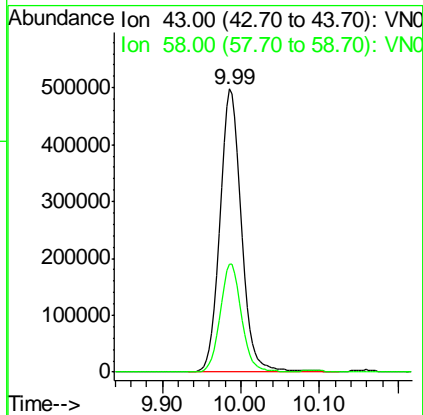
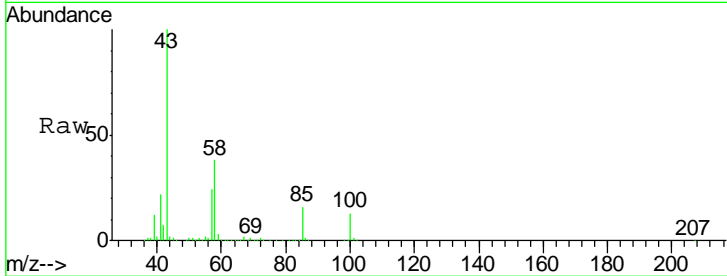
#51
 4-Methyl-2-Pentanone
 Concen: 271.47 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.0	31.0	46.6

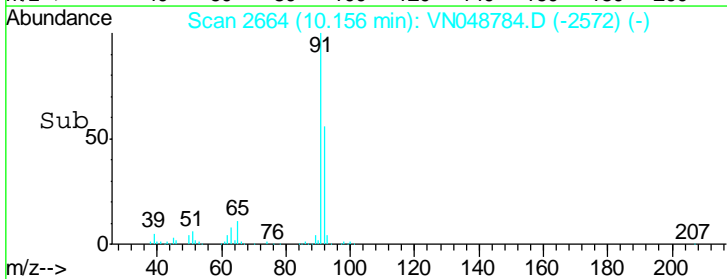
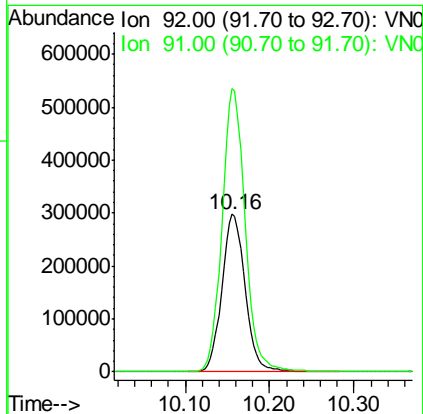
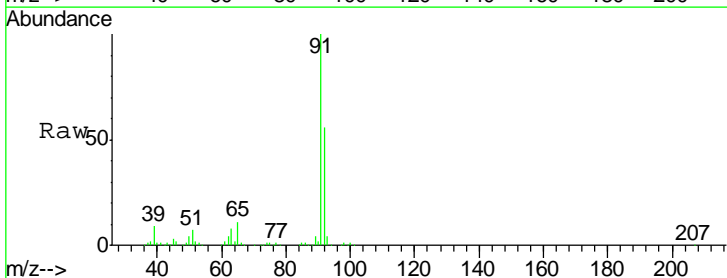
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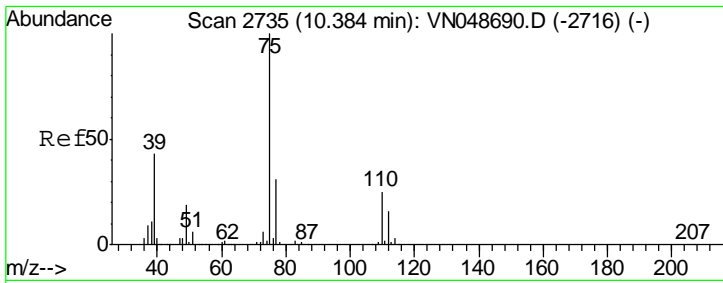
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#52
 Toluene
 Concen: 56.03 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
92	100		
91	178.1	141.0	211.4



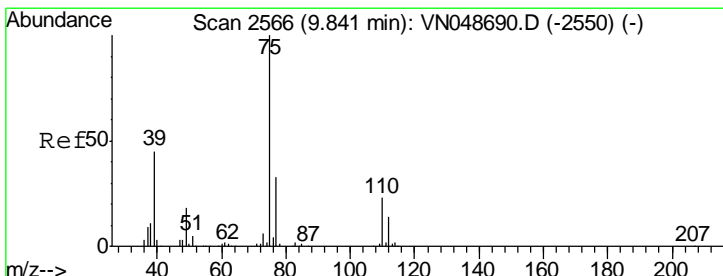
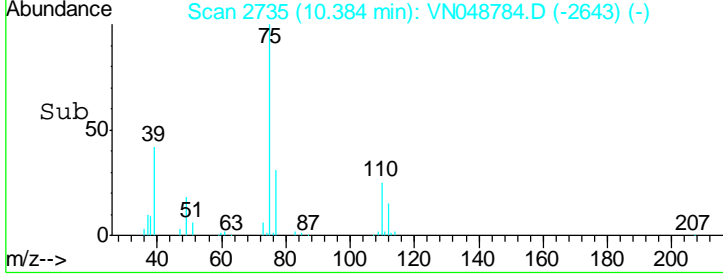
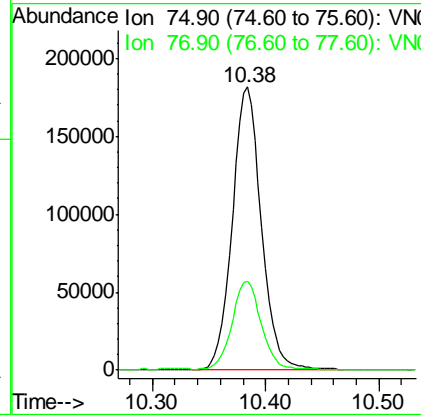
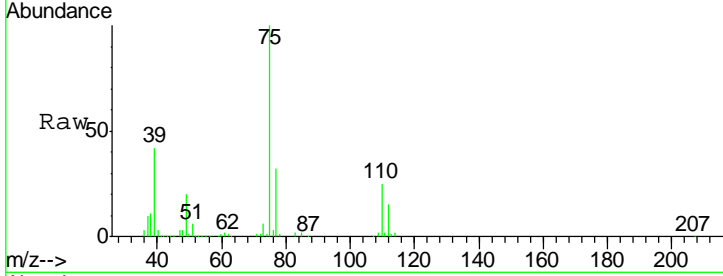


#53
 t-1,3-Dichloropropene
 Concen: 54.76 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

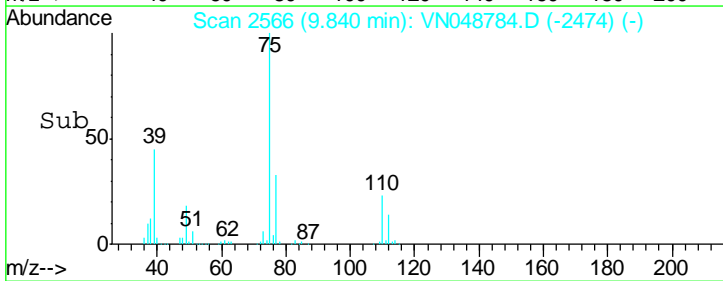
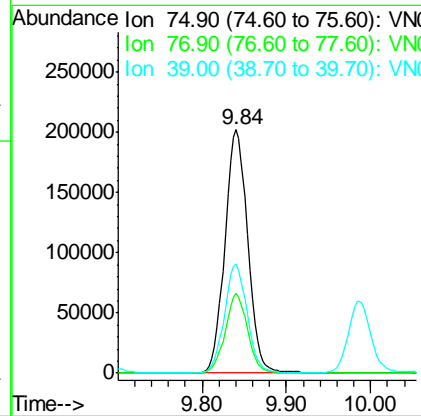
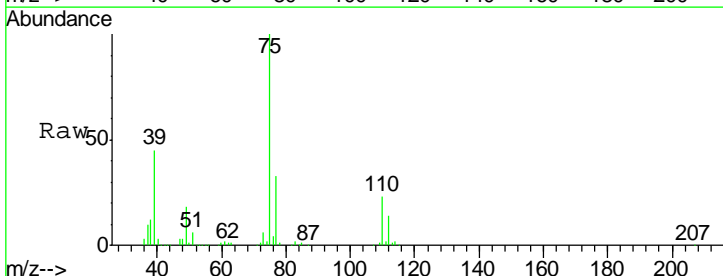
Tgt Ion	Resp	Lower	Upper
75	324500		
75	100		
77	31.3	24.9	37.3

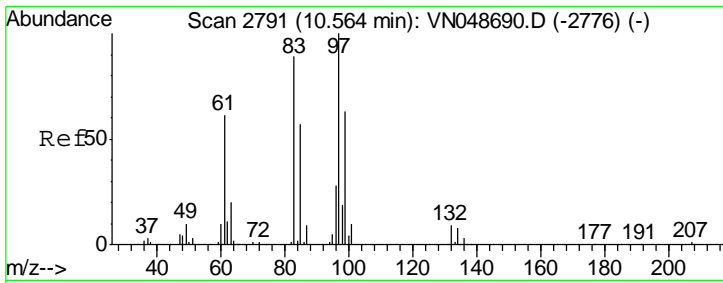
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#54
 cis-1,3-Dichloropropene
 Concen: 55.26 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

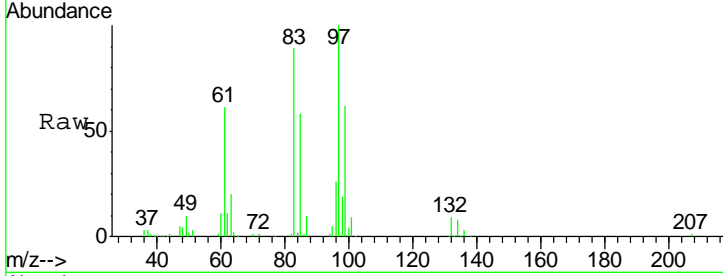
Tgt Ion	Resp	Lower	Upper
75	380850		
75	100		
77	32.5	25.1	37.7
39	44.6	36.7	55.1





#55
 1,1,2-Trichloroethane
 Concen: 54.96 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

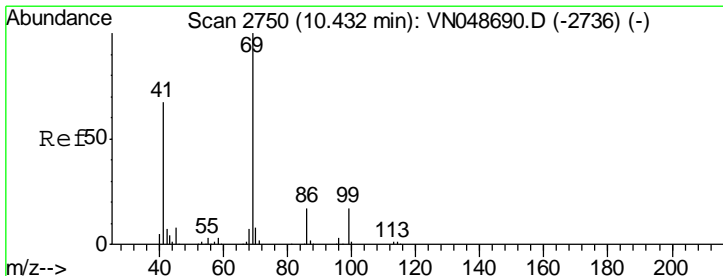
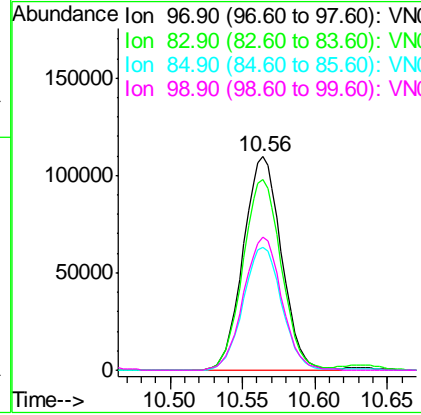
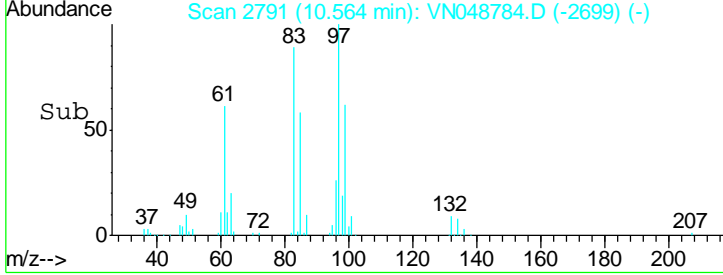
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050



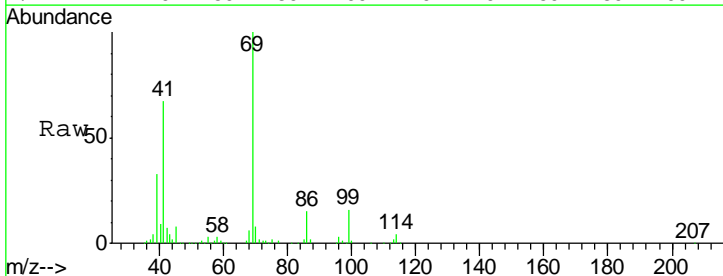
Tgt Ion: 97 Resp: 200993

Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.7	103.1
85	57.7	43.4	65.2
99	62.1	49.6	74.4

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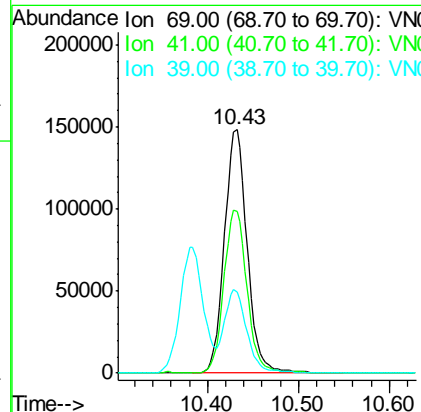
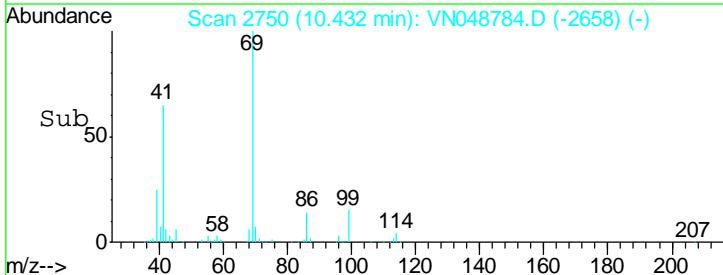


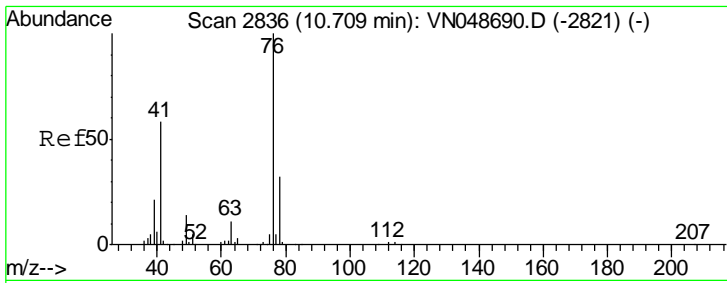
#56
 Ethyl methacrylate
 Concen: 50.43 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11



Tgt Ion: 69 Resp: 258087

Ion	Ratio	Lower	Upper
69	100		
41	67.1	52.3	78.5
39	33.8	26.4	39.6



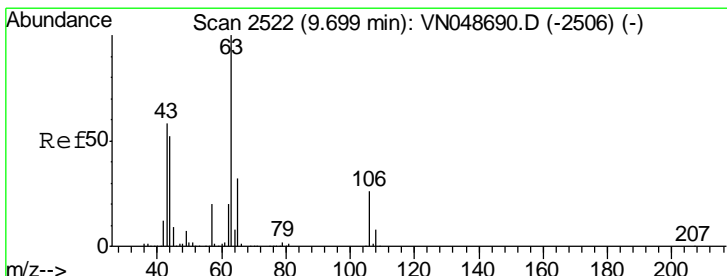
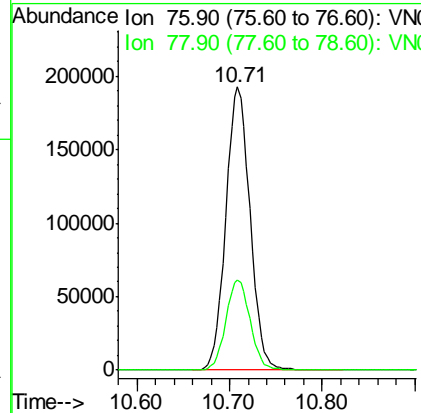
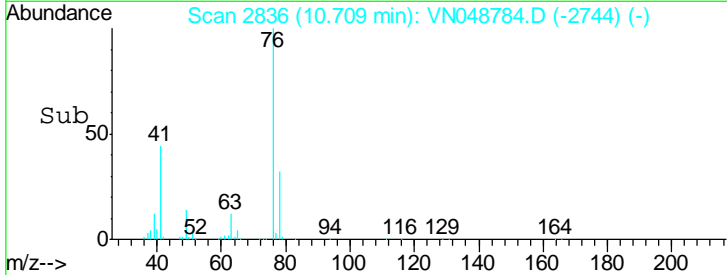
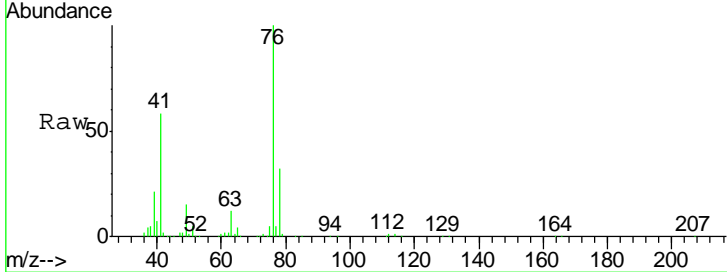


#57
 1,3-Dichloropropane
 Concen: 54.19 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
76	348099		
76	100		
78	32.1	25.7	38.5

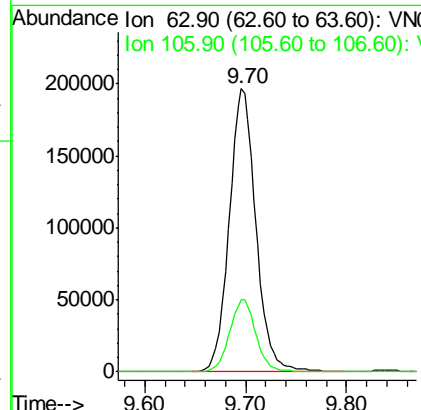
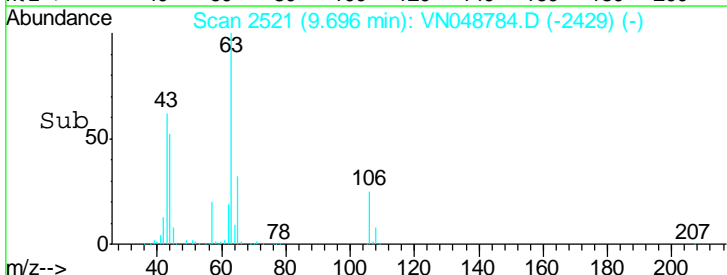
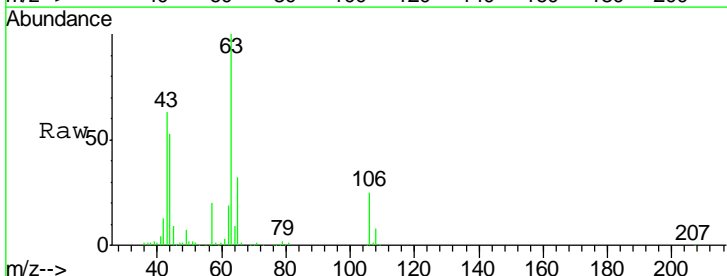
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

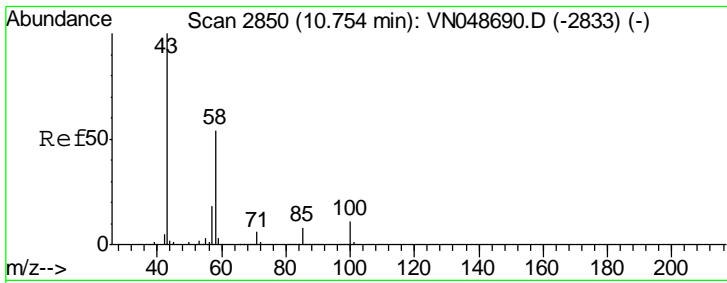
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#58
 2-Chloroethyl Vinyl ether
 Concen: 192.36 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
63	362538		
63	100		
106	25.2	21.3	31.9



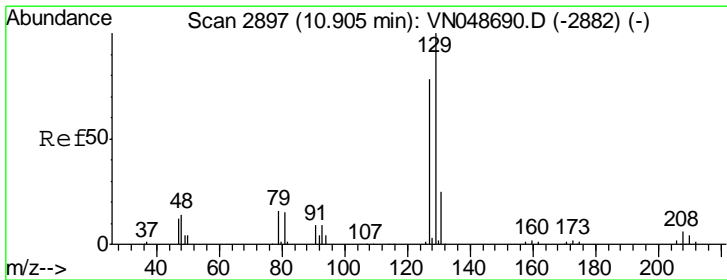
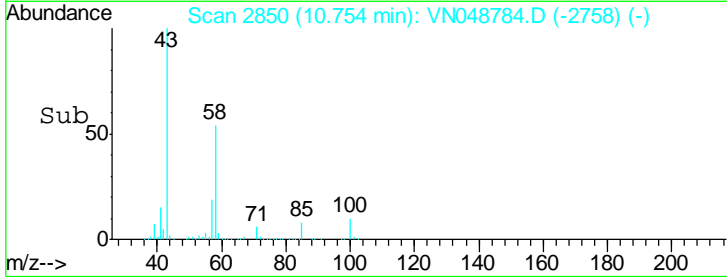
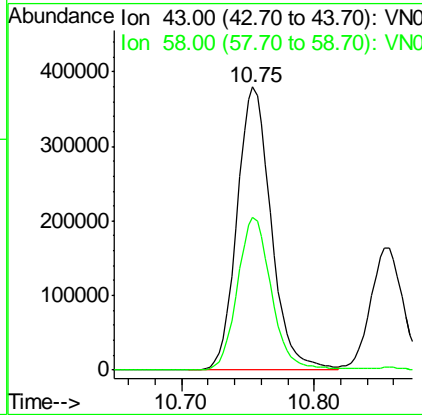
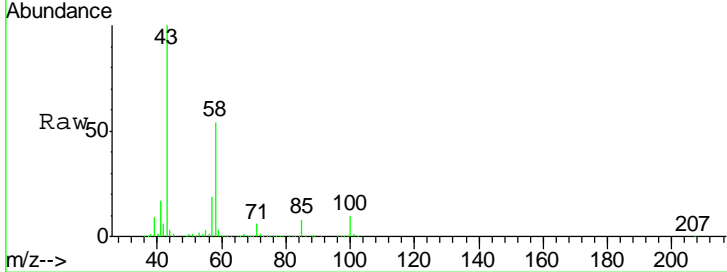


#59
 2-Hexanone
 Concen: 297.81 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

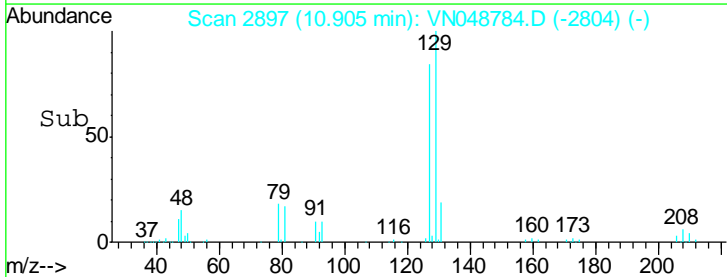
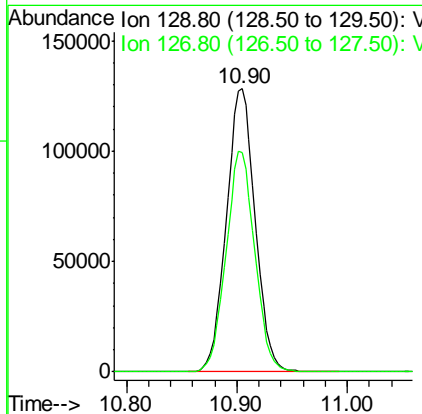
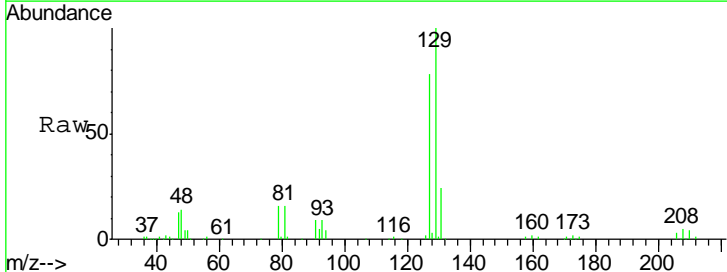
Tgt Ion	Resp	Lower	Upper
43	100		
58	53.9	27.4	82.0

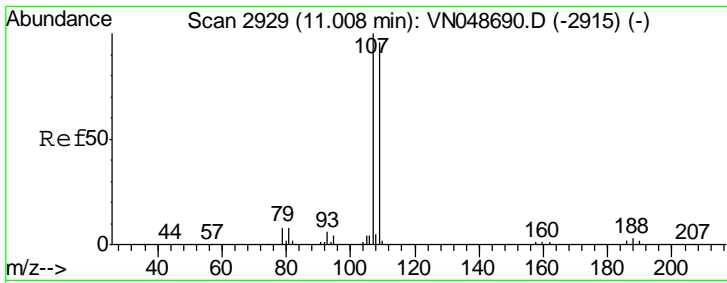
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#60
 Dibromochloromethane
 Concen: 54.12 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.8	38.8	116.4





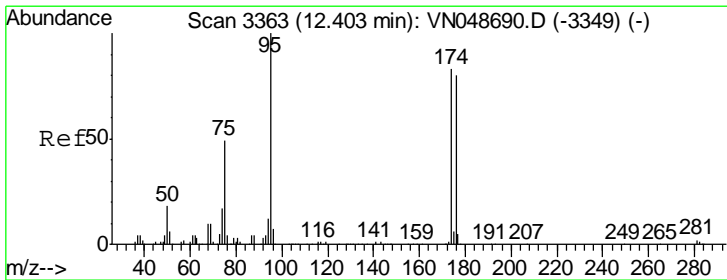
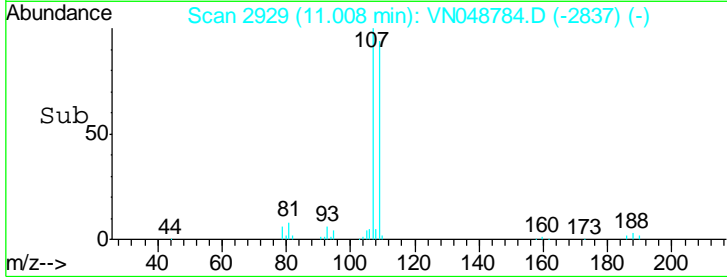
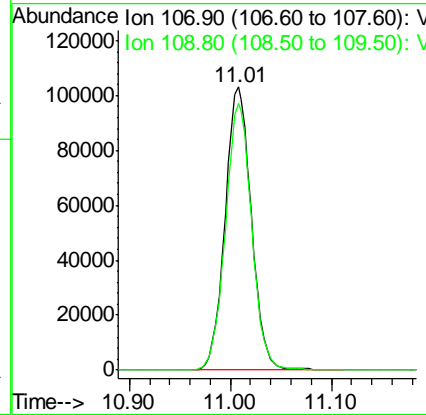
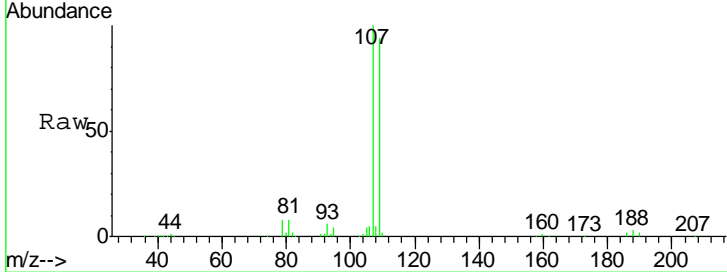
#61
 1,2-Dibromoethane
 Concen: 51.88 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
107	187330		
109	94.3	74.4	111.6

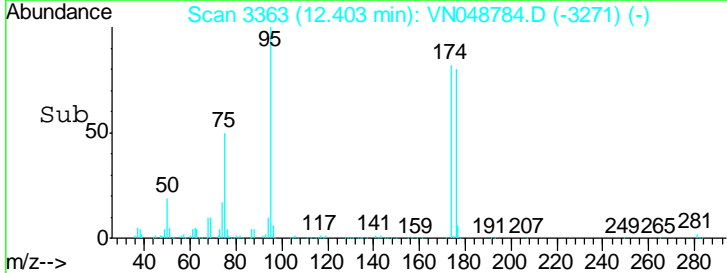
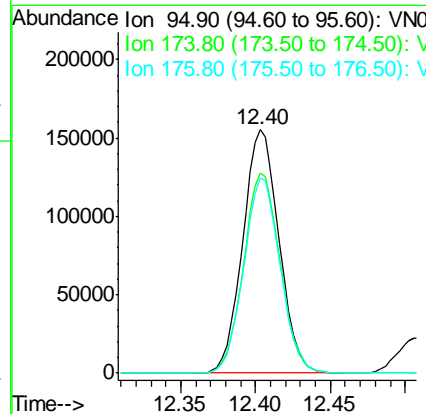
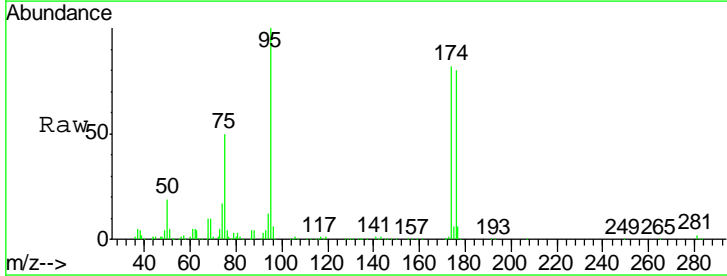
Manual Integrations
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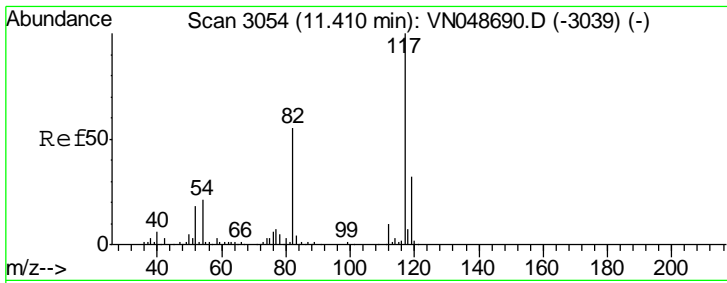
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#62
 4-Bromofluorobenzene
 Concen: 56.55 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

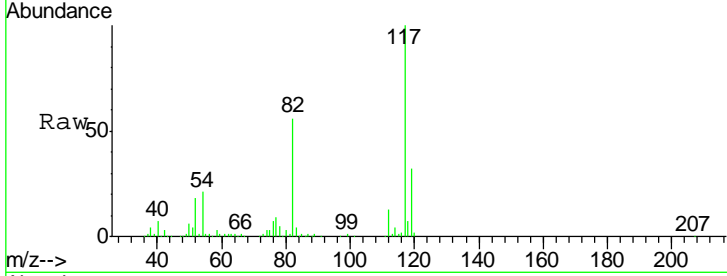
Tgt Ion	Resp	Lower	Upper
95	261528		
174	82.9	0.0	173.8
176	80.6	0.0	170.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

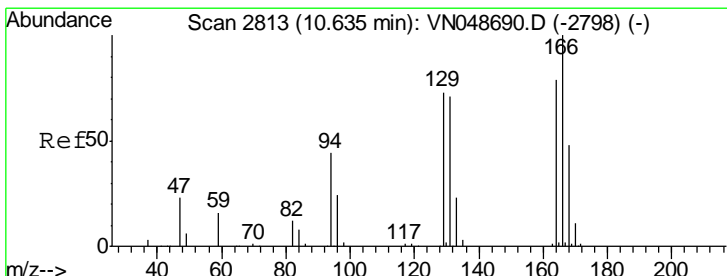
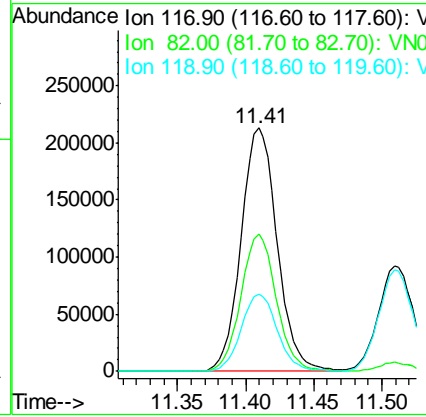
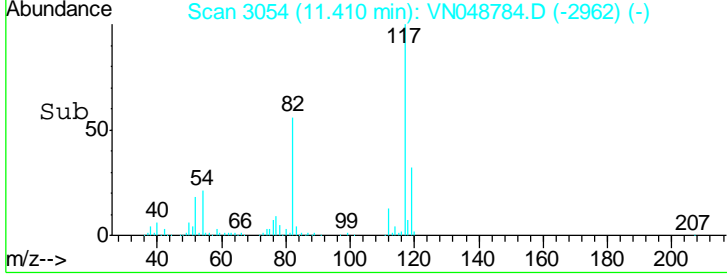
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



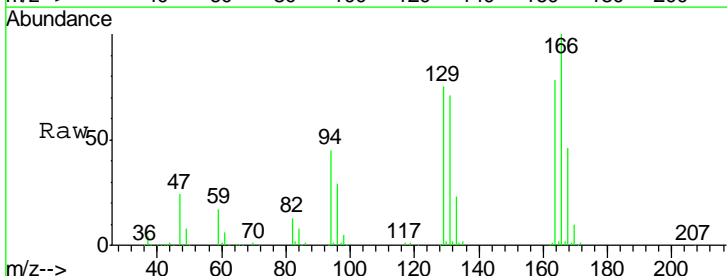
Tgt Ion: 117 Resp: 391370

Ion	Ratio	Lower	Upper
117	100		
82	56.2	42.8	64.2
119	31.6	26.0	39.0

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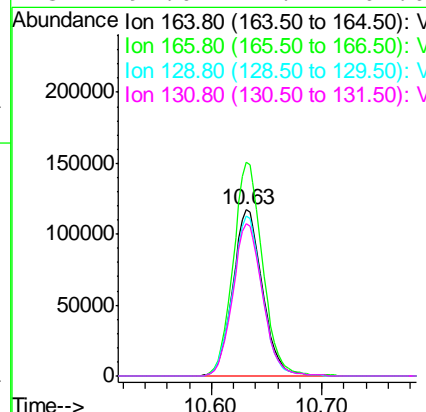
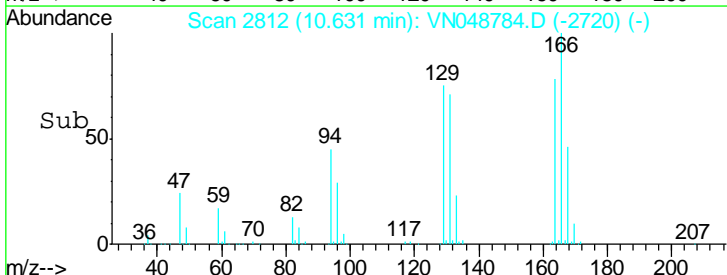


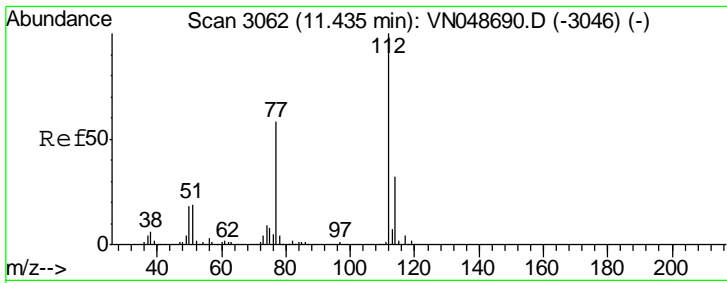
#64
 Tetrachloroethene
 Concen: 55.16 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11



Tgt Ion: 164 Resp: 218552

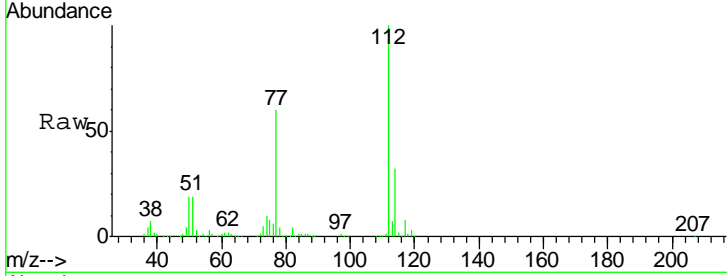
Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.7	154.1
129	96.7	74.3	111.5
131	92.0	71.4	107.0





#65
 Chlorobenzene
 Concen: 53.94 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

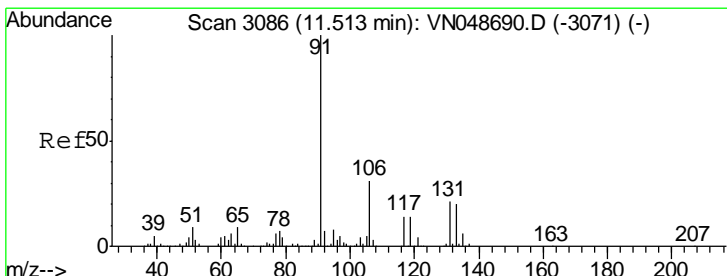
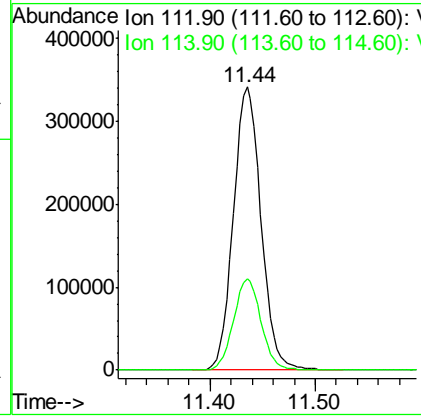
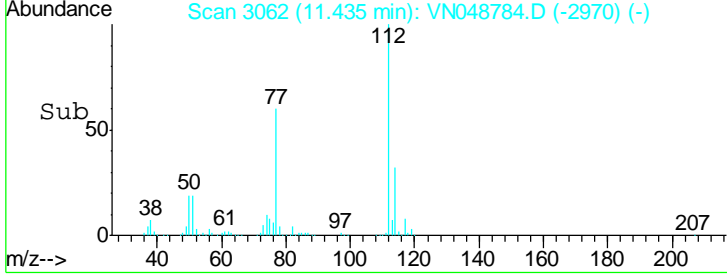
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



Tgt Ion: 112 Resp: 618282

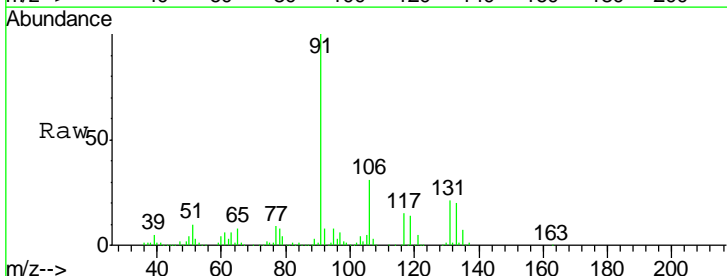
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4

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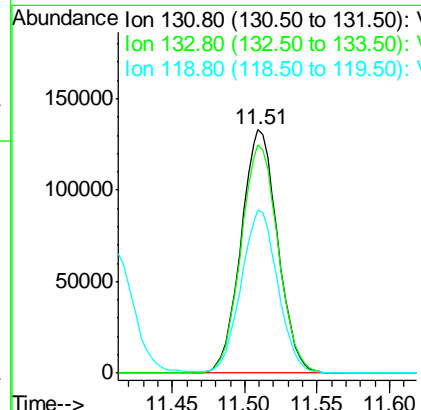
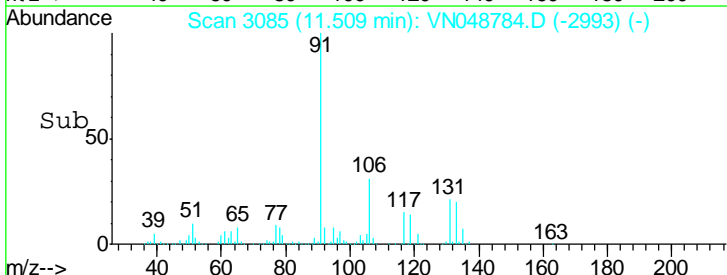
#66
 1,1,1,2-Tetrachloroethane
 Concen: 53.91 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

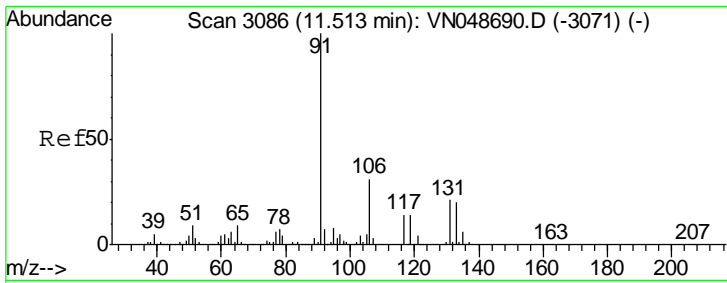
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



Tgt Ion: 131 Resp: 232577

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.8	143.4
119	67.2	33.1	99.3



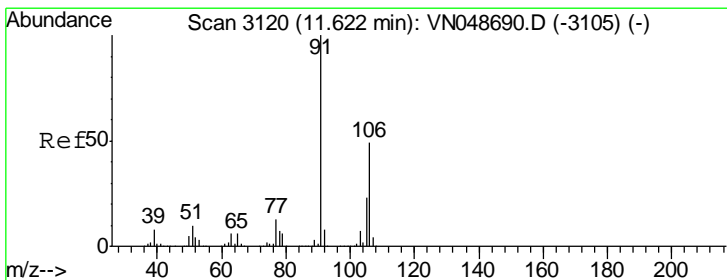
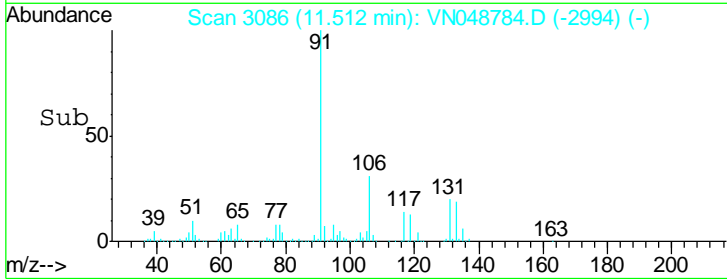
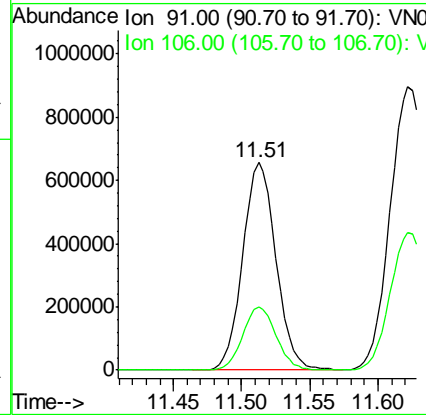
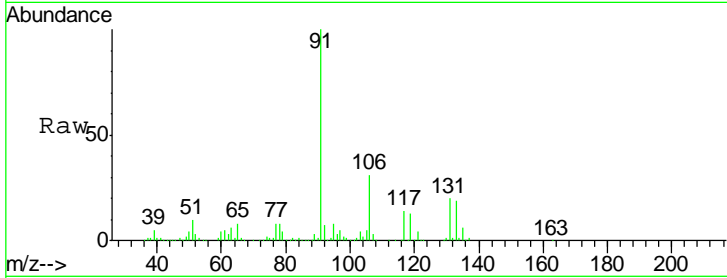


#67
 Ethyl Benzene
 Concen: 56.06 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

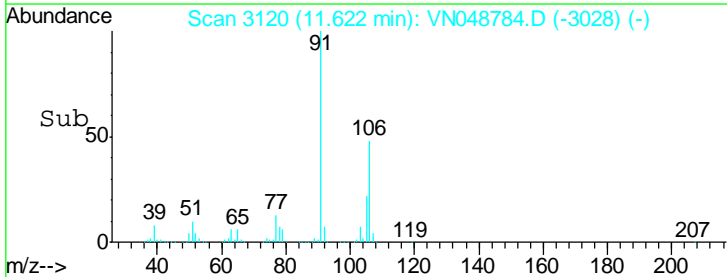
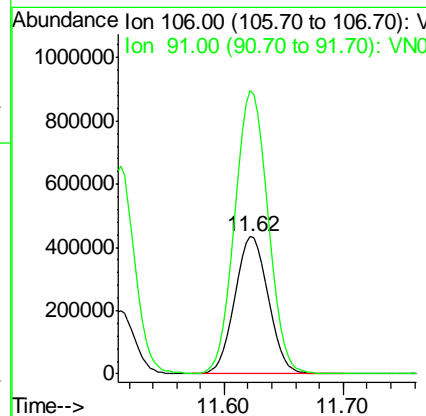
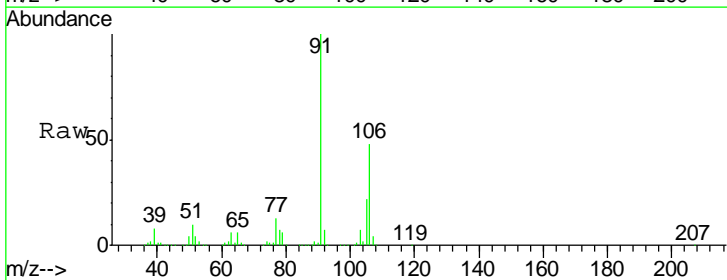
Tgt Ion: 91 Resp: 1112281
 Ion Ratio Lower Upper
 91 100
 106 30.7 24.9 37.3

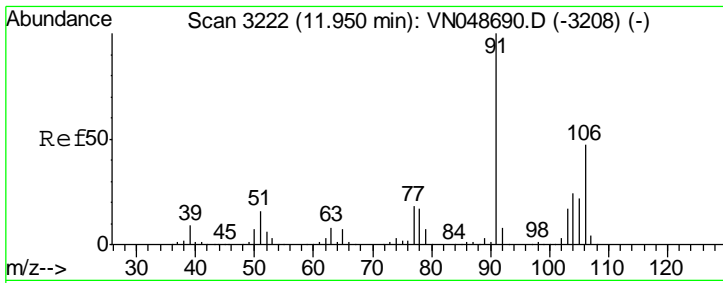
Manual Integrations
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 MMDadoda
 5/31/2018 6:55:30 PM



#68
 m/p-Xylenes
 Concen: 113.28 ug/l
 RT: 11.62 min Scan# 3120
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion: 106 Resp: 847475
 Ion Ratio Lower Upper
 106 100
 91 205.3 163.4 245.0



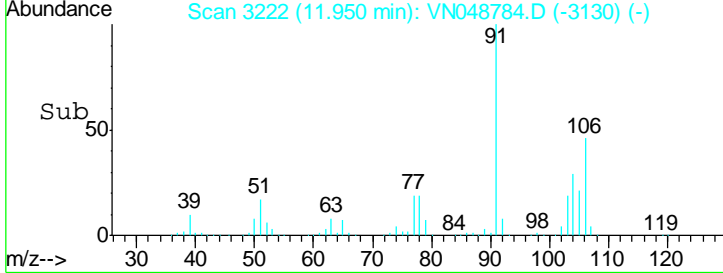
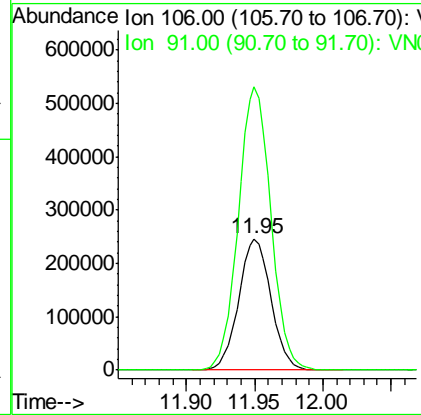
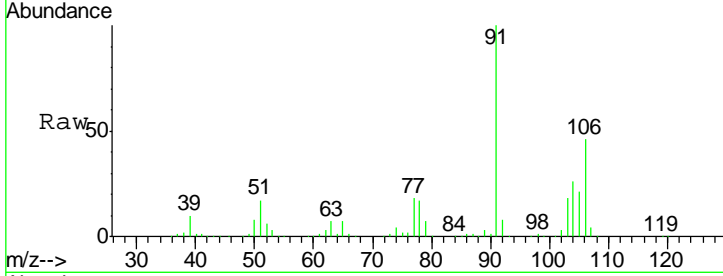


#69
 o-Xylene
 Concen: 55.98 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

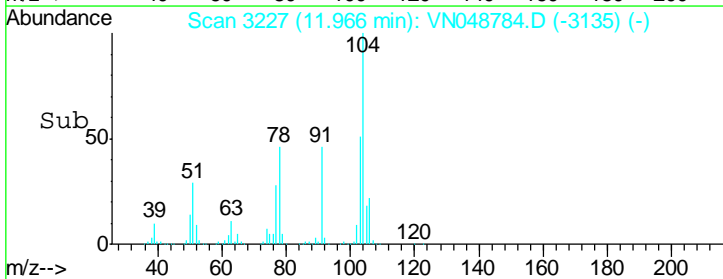
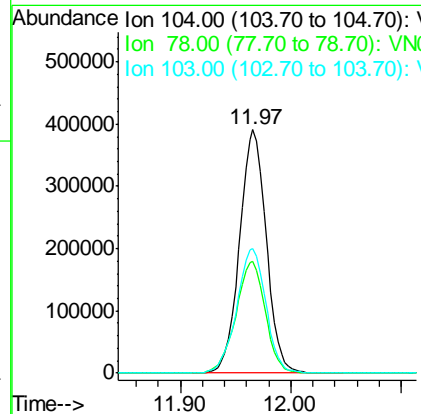
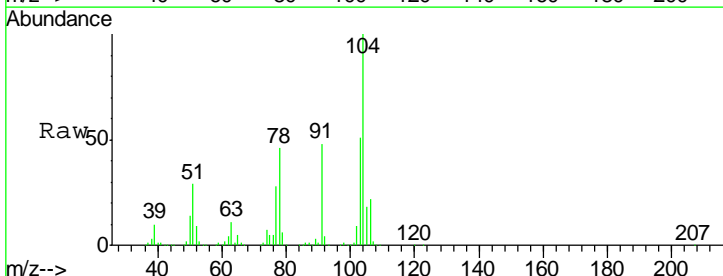
Tgt Ion	Resp	Lower	Upper
106	403893		
106	100		
91	217.3	107.9	323.7

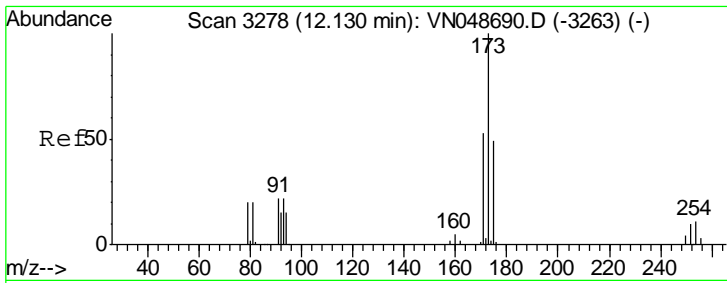
Manual Integrations
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 MMDadoda
 5/31/2018 6:55:30 PM



#70
 Styrene
 Concen: 57.78 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
104	655429		
104	100		
78	50.6	39.8	59.8
103	56.1	44.6	66.8





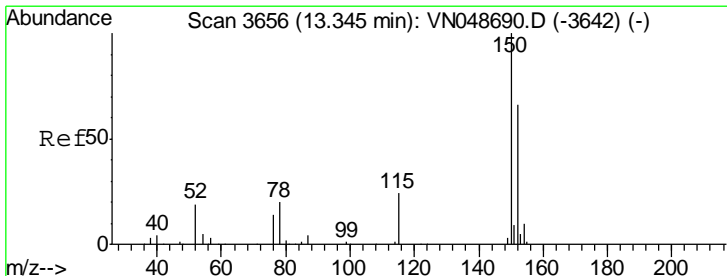
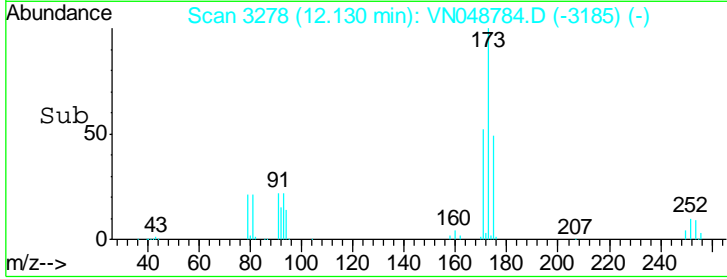
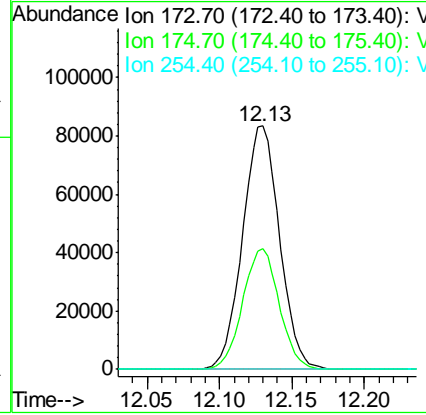
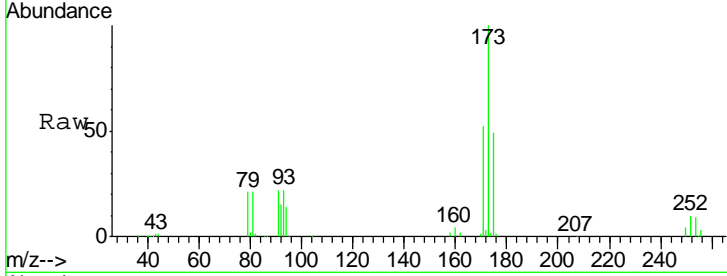
#71
 Bromoform
 Concen: 53.04 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
173	147973		
175	49.0	23.9	71.8
254	0.1	0.0	0.0

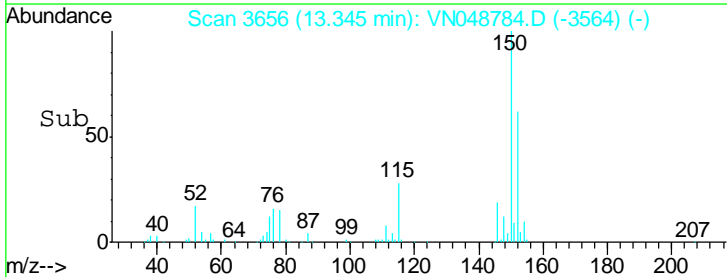
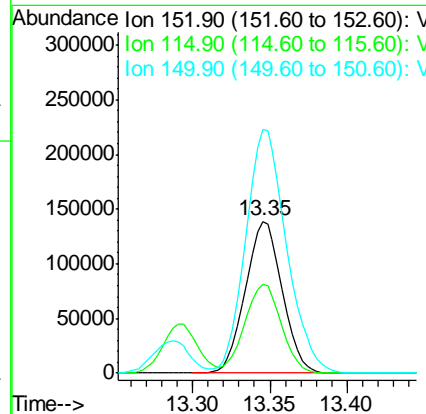
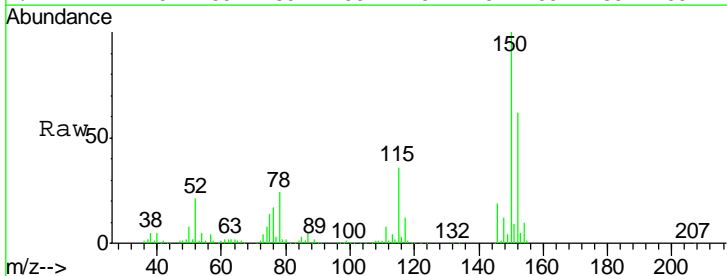
Manual Integrations
 APPROVED

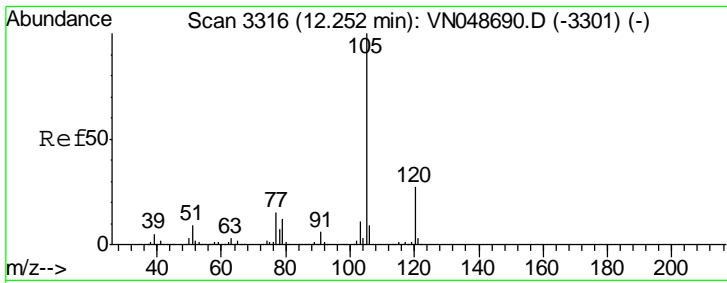
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 5/31/2018 6:55:30 PM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
152	229624		
152	100		
115	58.3	28.1	84.4
150	178.1	0.0	353.0





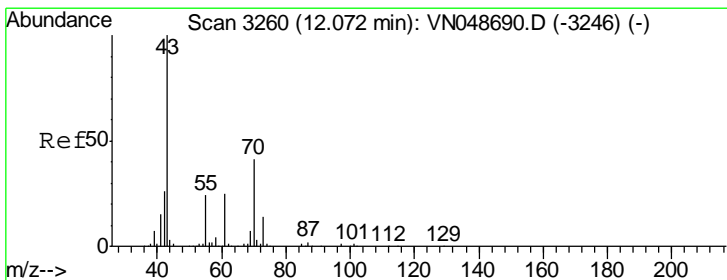
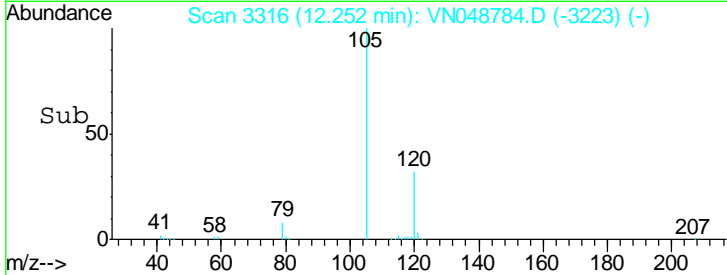
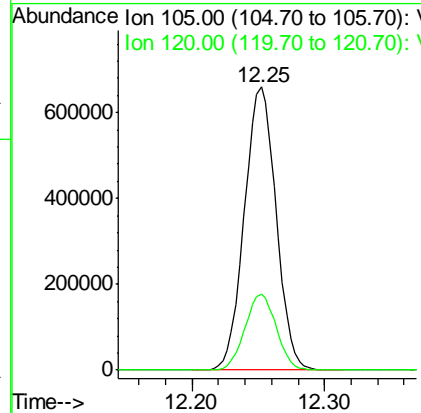
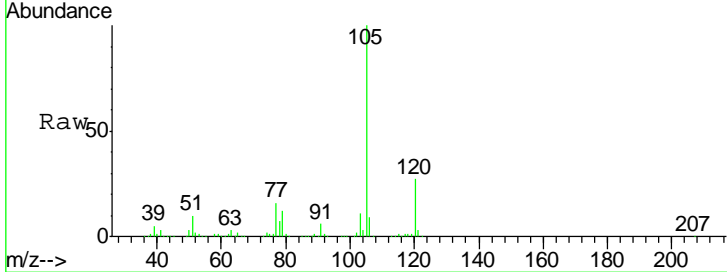
#73
 Isopropylbenzene
 Concen: 53.25 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 105 Resp: 1093348

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.9

Manual Integrations
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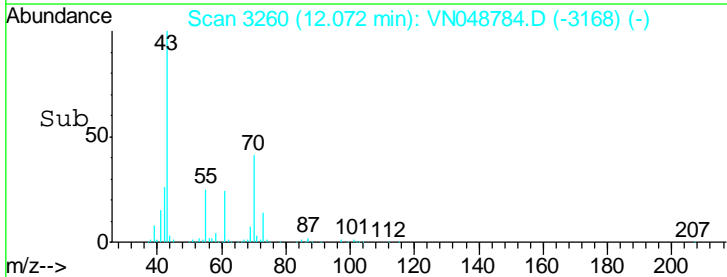
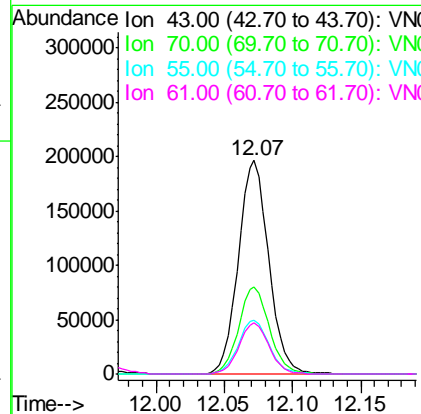
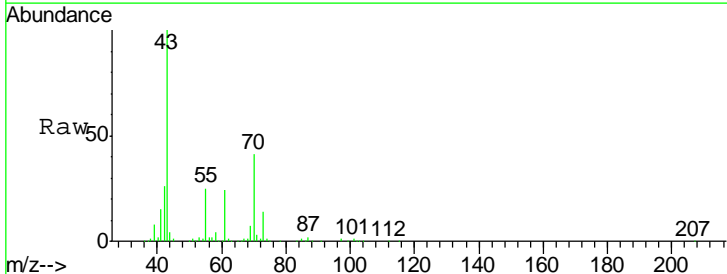


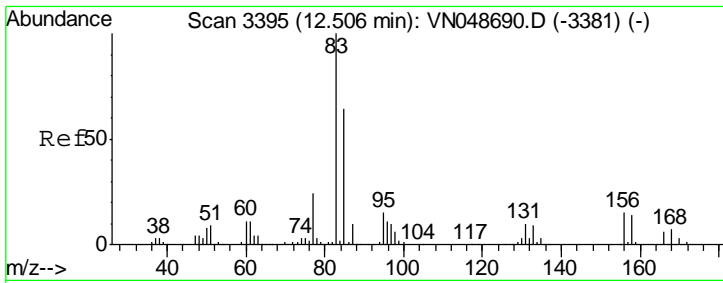
#74
 N-amyl acetate
 Concen: 50.01 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 302338

Ion	Ratio	Lower	Upper
43	100		
70	41.2	33.7	50.5
55	25.7	19.3	28.9
61	23.8	19.4	29.2



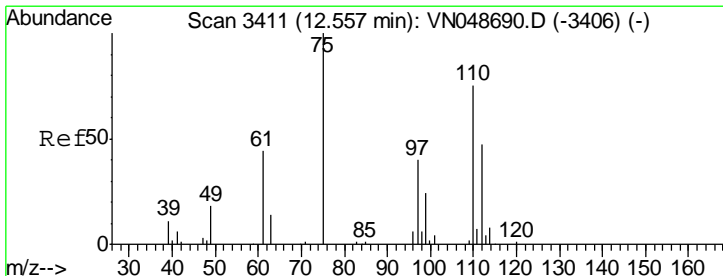
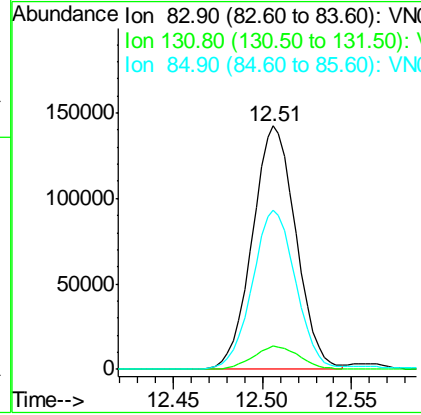
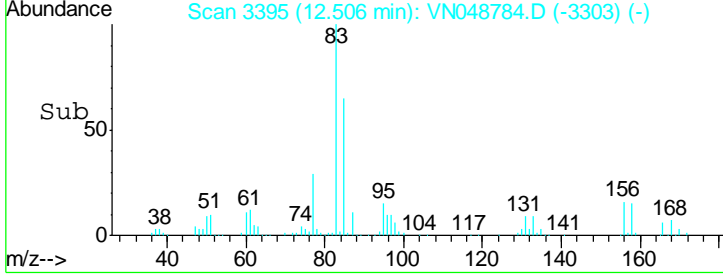
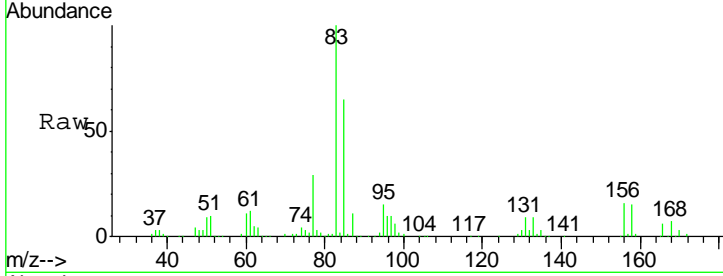


#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.09 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

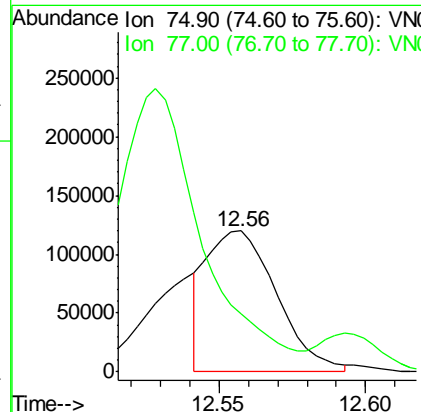
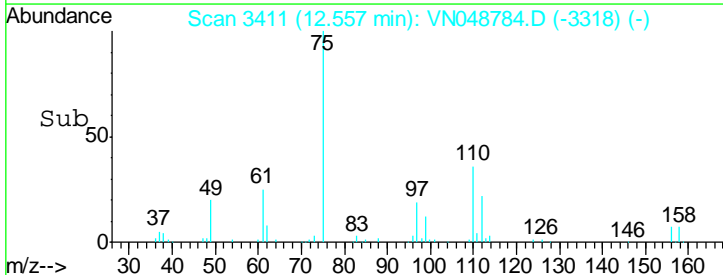
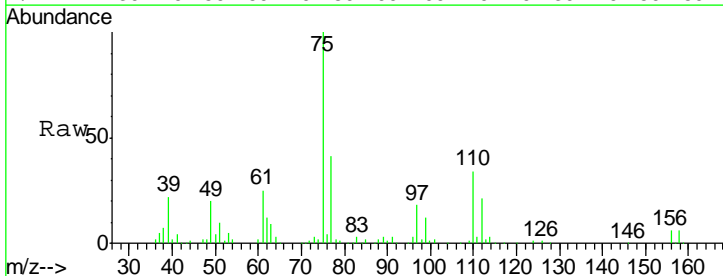
Tgt Ion	Resp	Lower	Upper
83	243153		
83	100		
131	10.1	5.3	15.8
85	65.0	32.4	97.0

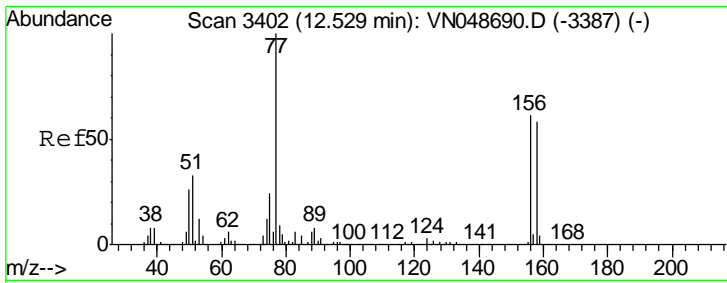
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#76
 1,2,3-Trichloropropane
 Concen: 50.46 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
75	200082		
75	100		
77	0.0	0.0	0.0



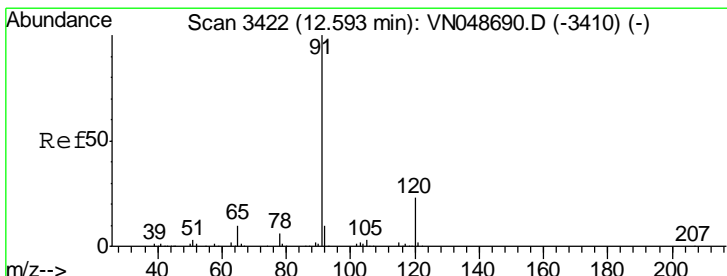
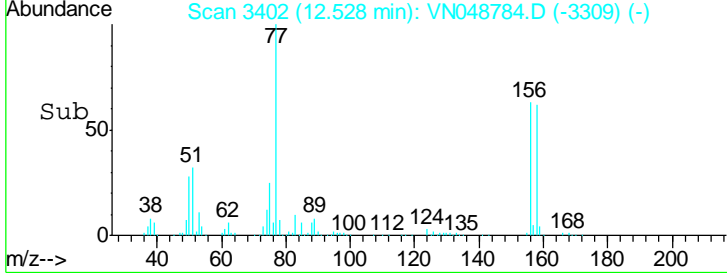
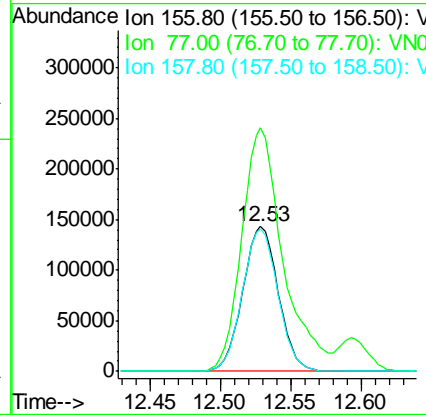
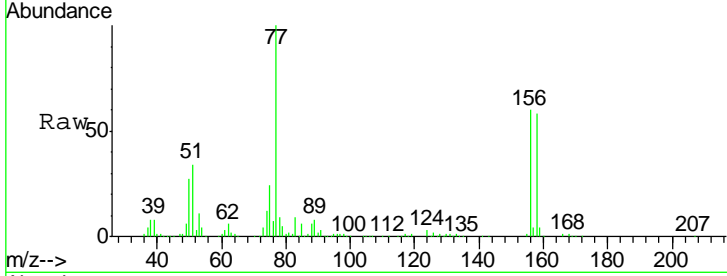


#77
 Bromobenzene
 Concen: 50.78 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

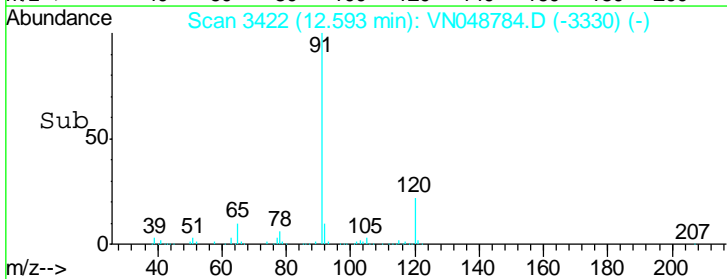
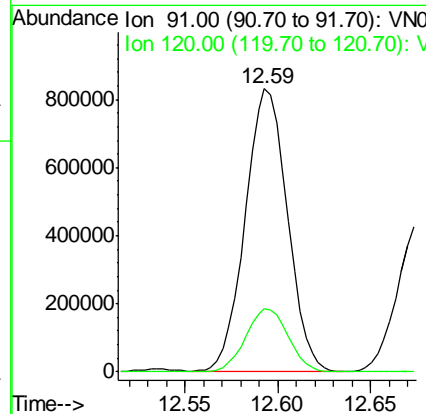
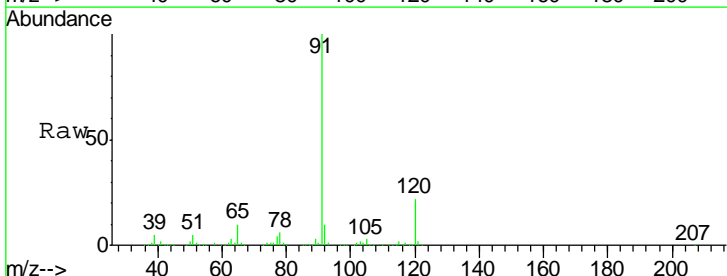
Tgt Ion	Resp	Lower	Upper
156	253486		
77	193.6	93.3	280.1
158	98.1	48.9	146.6

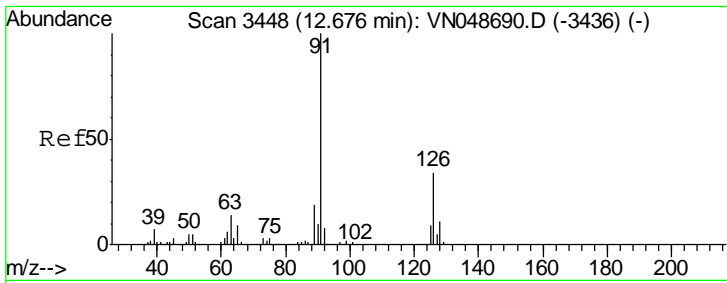
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#78
 n-propylbenzene
 Concen: 55.44 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
91	1307149		
120	22.5	11.7	35.1



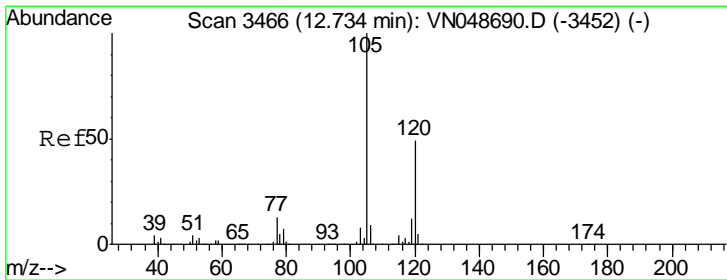
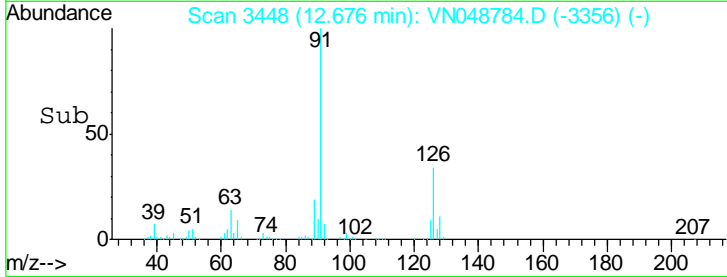
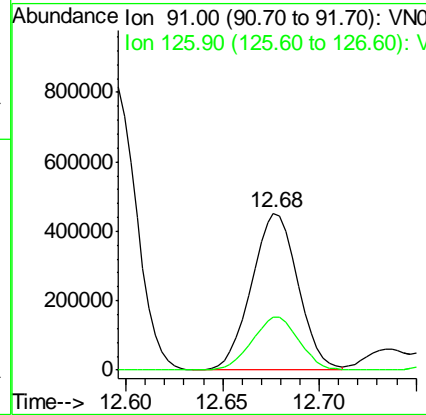
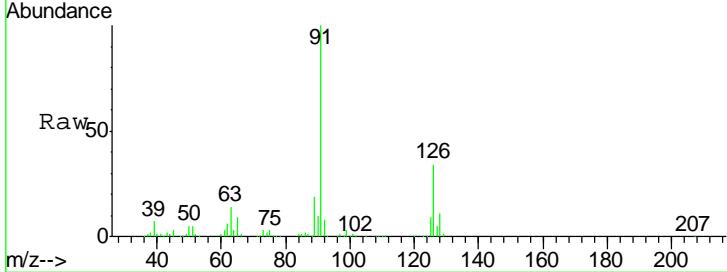


#79
 2-Chlorotoluene
 Concen: 53.11 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

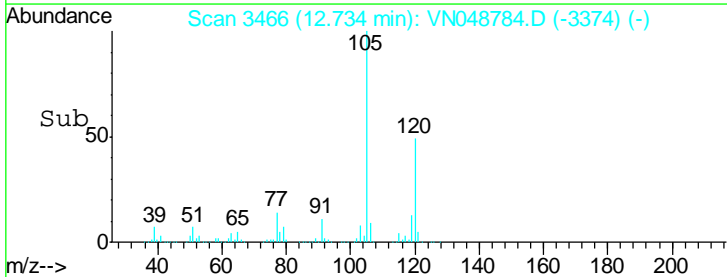
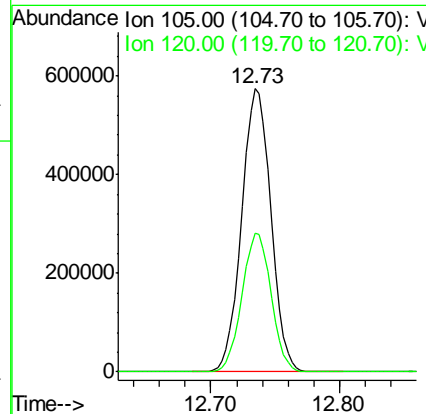
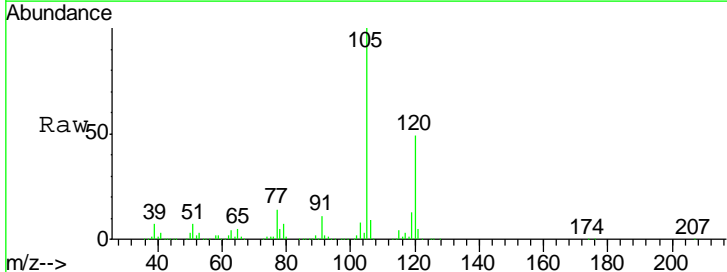
Tgt Ion	Resp	Lower	Upper
91	751170	100	
126	34.3	17.5	52.5

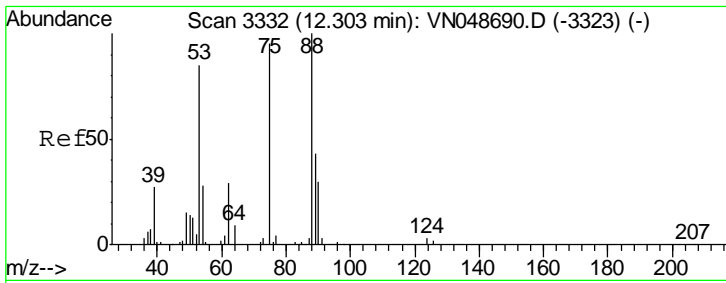
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.60 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
105	903573	100	
120	48.9	24.3	72.9





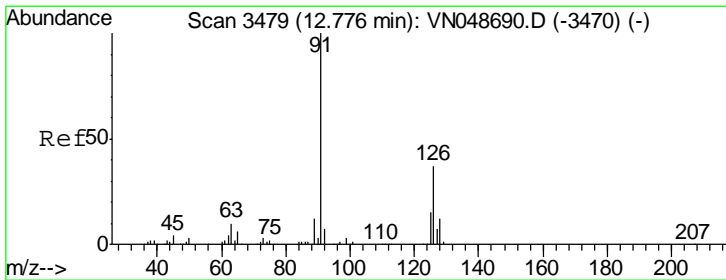
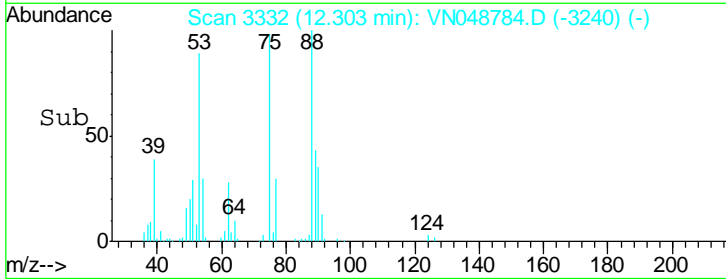
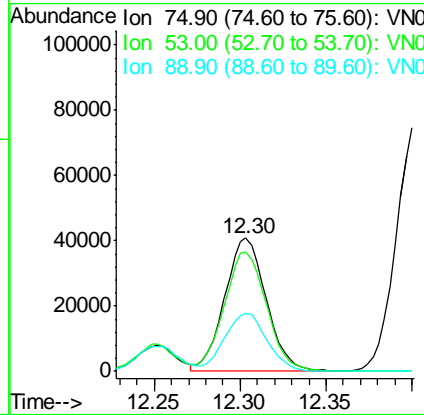
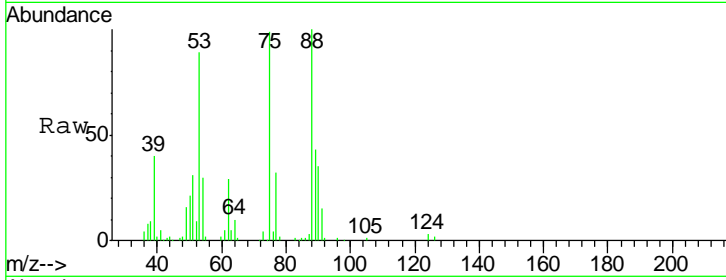
#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.13 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
75	69122		
75	100		
53	91.7	72.0	108.0
89	44.6	35.2	52.8

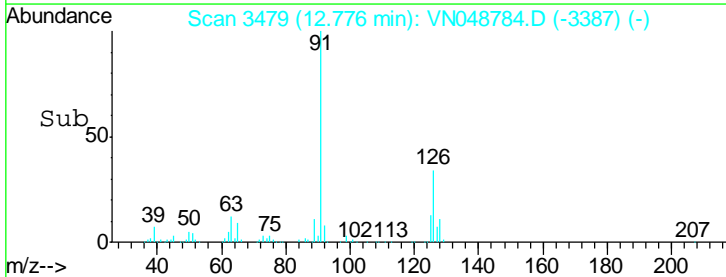
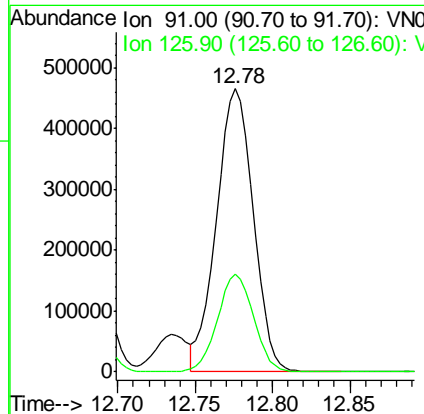
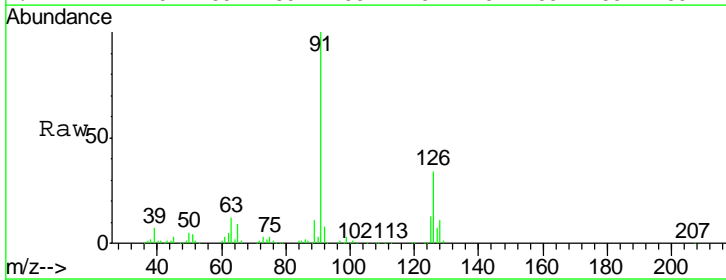
Manual Integrations
 APPROVED

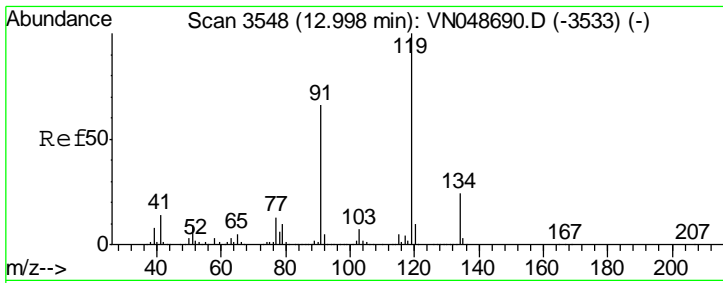
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#82
 4-Chlorotoluene
 Concen: 54.68 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

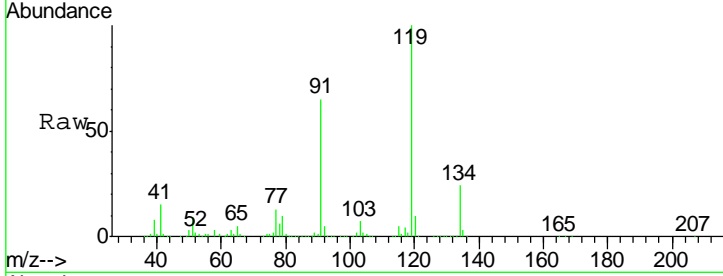
Tgt Ion	Resp	Lower	Upper
91	768159		
91	100		
126	33.8	17.2	51.6





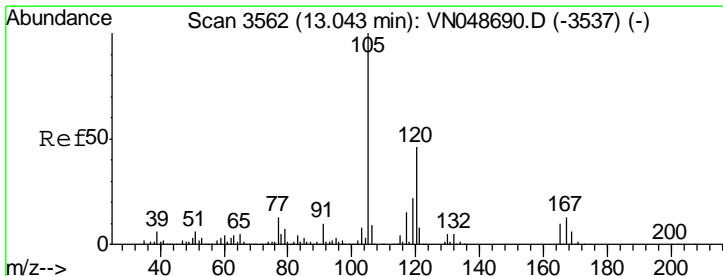
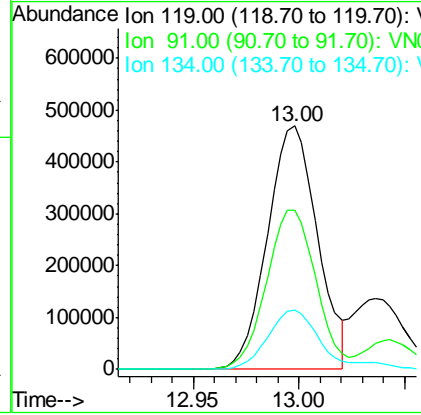
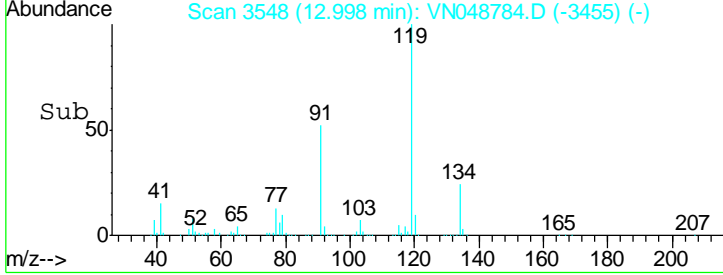
#83
 tert-Butylbenzene
 Concen: 52.74 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

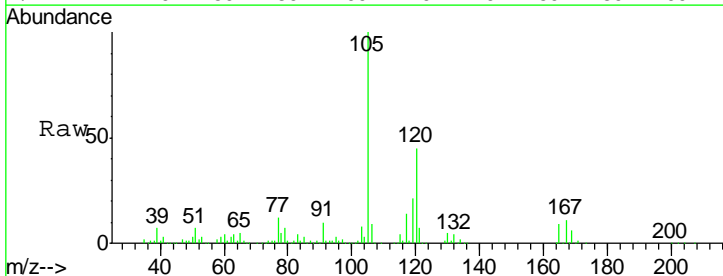


Tgt Ion	Resp	Lower	Upper
119	100		
91	64.7	32.2	96.6
134	24.6	13.3	39.9

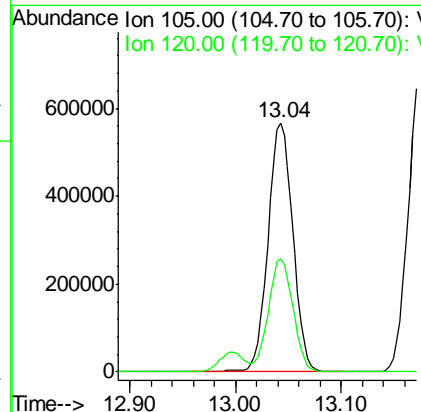
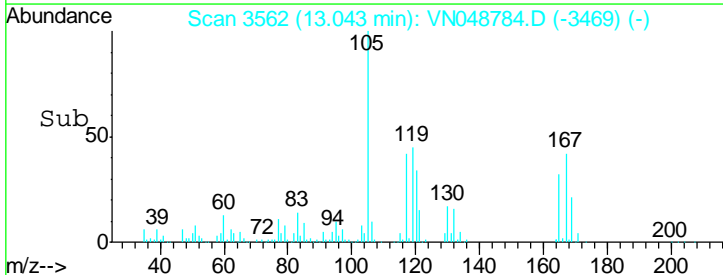
Manual Integrations
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 MMDadoda
 5/31/2018 6:55:30 PM

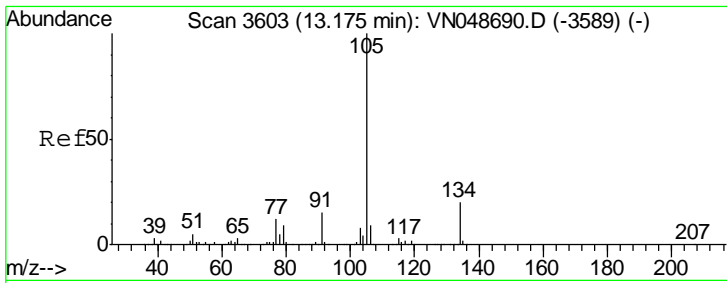


#84
 1,2,4-Trimethylbenzene
 Concen: 55.84 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11



Tgt Ion	Resp	Lower	Upper
105	100		
120	45.2	22.7	68.0





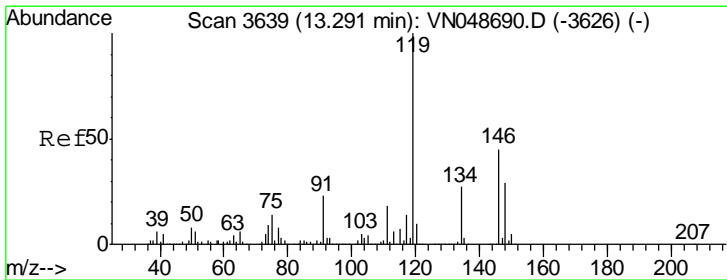
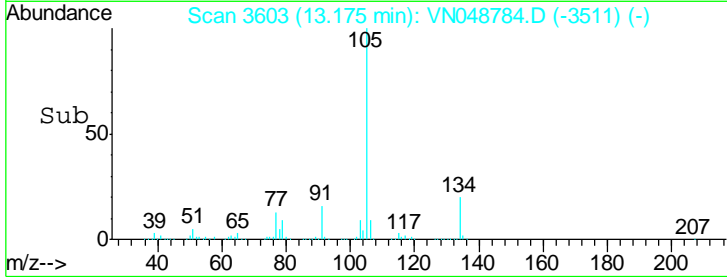
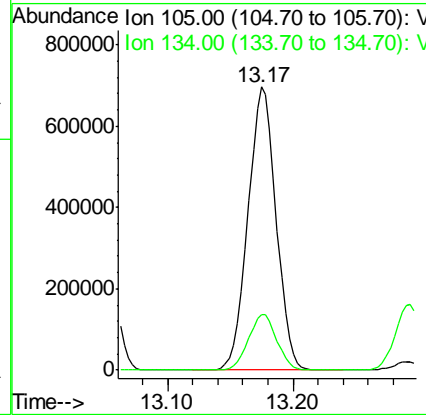
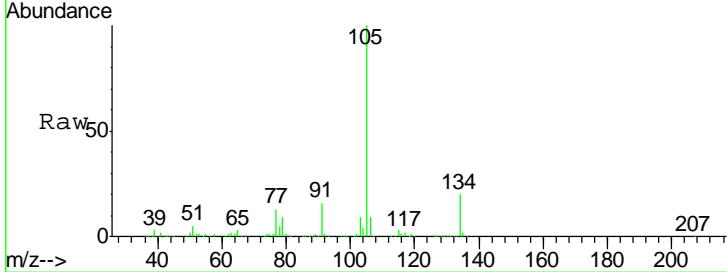
#85
 sec-Butylbenzene
 Concen: 55.46 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
105	100		
134	19.9	10.1	30.3

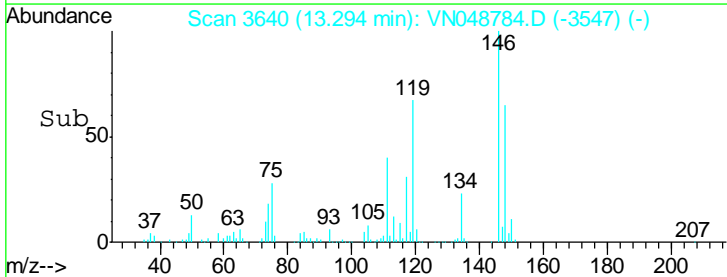
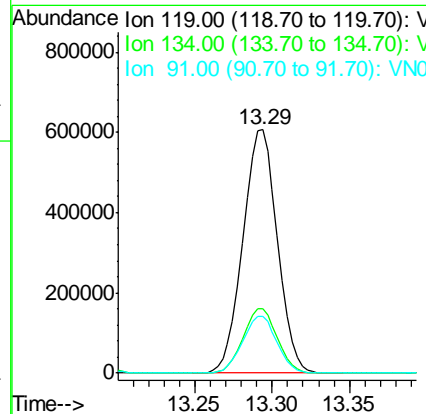
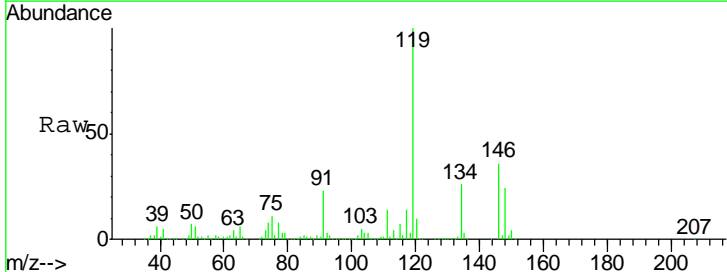
Manual Integrations
 APPROVED

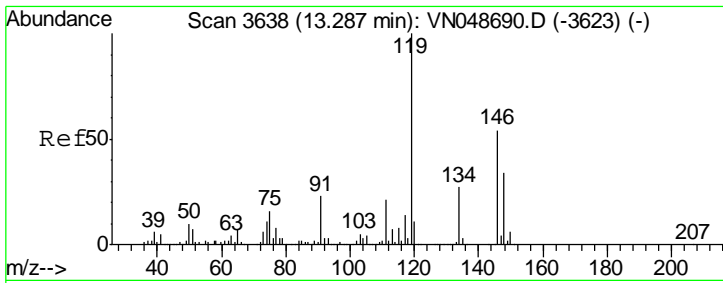
MMDadoda
 5/31/2018 6:55:30 PM



#86
 p-Isopropyltoluene
 Concen: 56.15 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

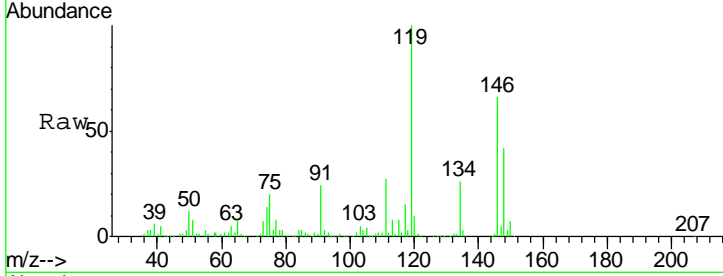
Tgt Ion	Resp	Lower	Upper
119	100		
134	26.3	13.5	40.4
91	23.2	11.4	34.2





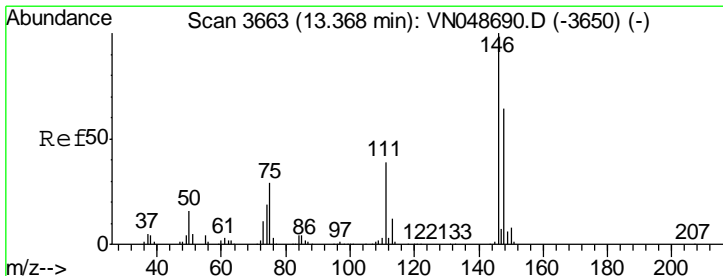
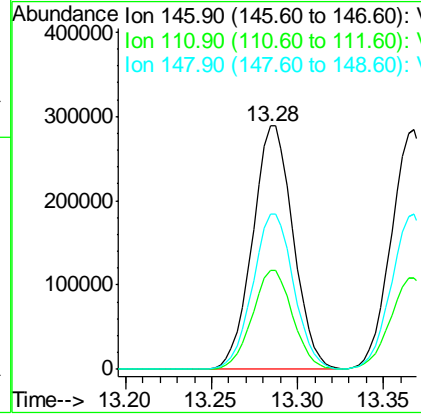
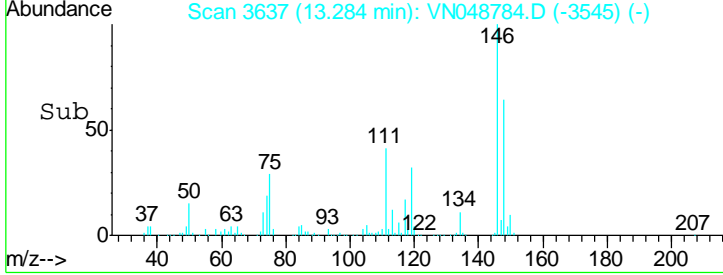
#87
 1,3-Dichlorobenzene
 Concen: 53.73 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

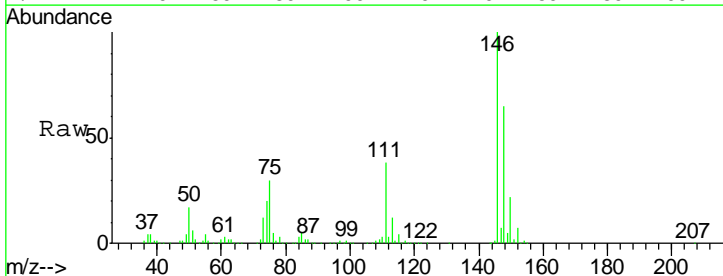


Tgt Ion	Resp	Lower	Upper
146	472892		
146	100		
111	40.2	19.3	57.9
148	64.3	32.1	96.5

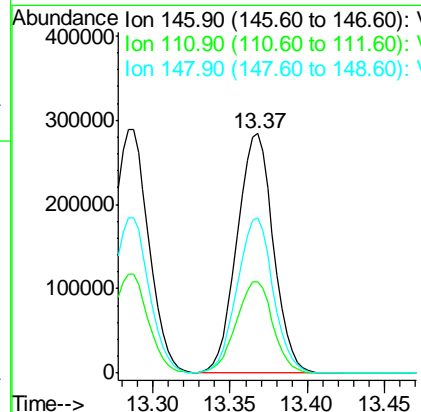
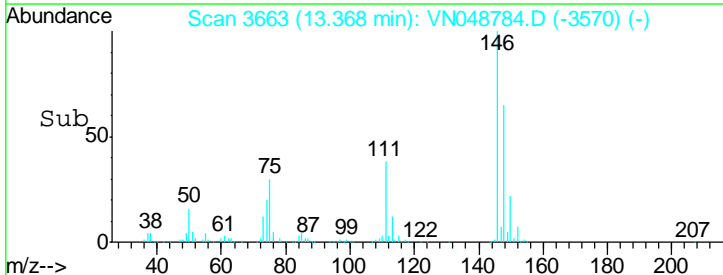
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 6:55:30 PM

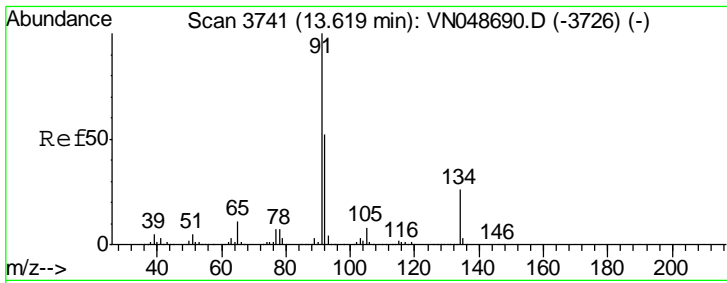


#88
 1,4-Dichlorobenzene
 Concen: 54.23 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11



Tgt Ion	Resp	Lower	Upper
146	463155		
146	100		
111	38.7	18.9	56.5
148	64.3	32.2	96.6



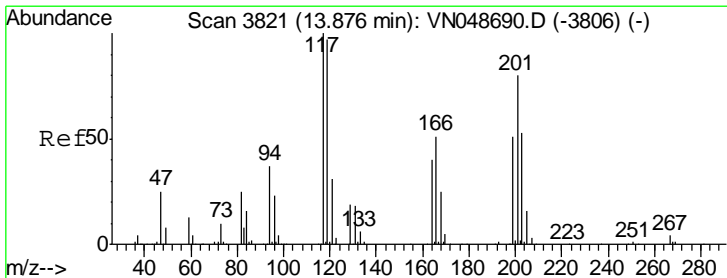
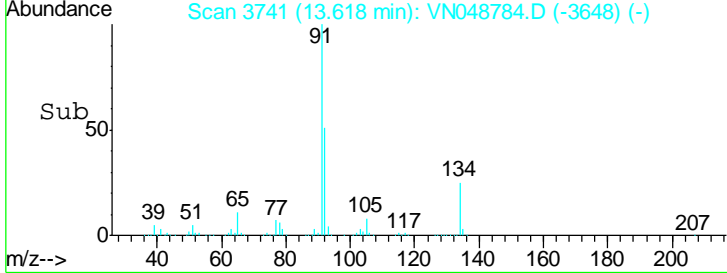
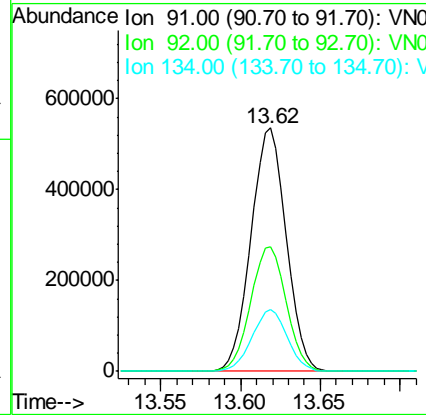
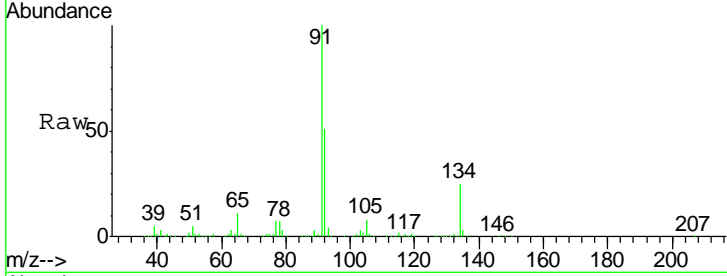


#89
 n-Butylbenzene
 Concen: 57.49 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

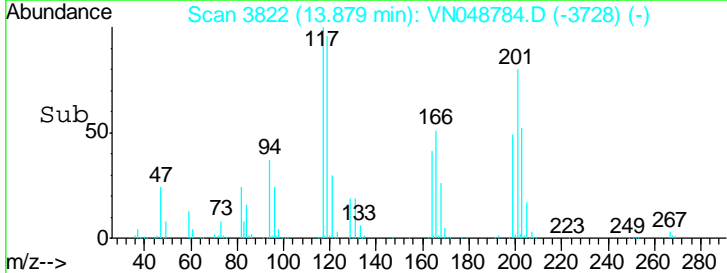
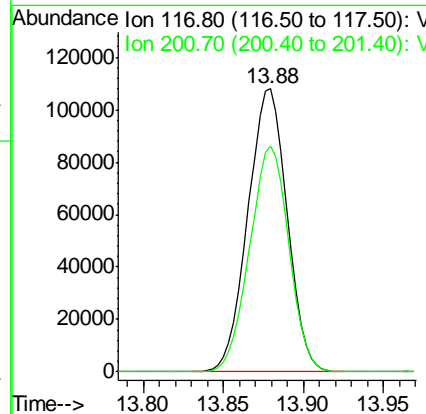
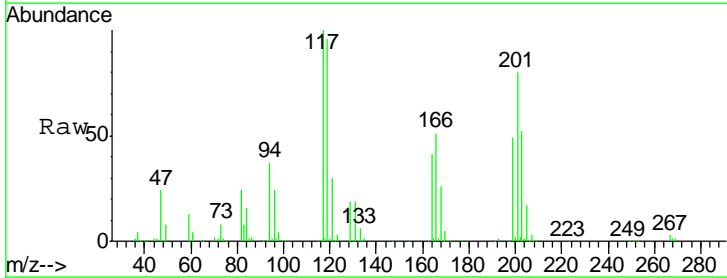
Tgt Ion	Resp	Lower	Upper
91	100		
92	51.6	26.3	78.9
134	25.3	13.5	40.4

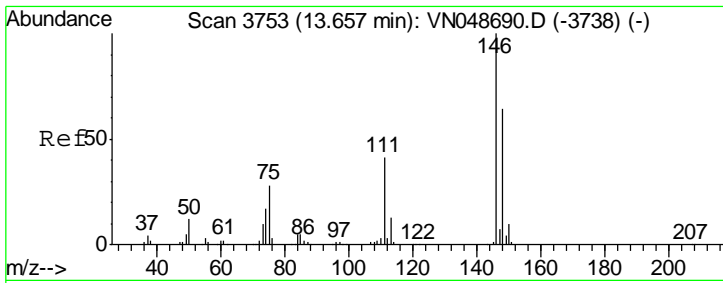
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 6:55:30 PM



#90
 Hexachloroethane
 Concen: 50.95 ug/l
 RT: 13.88 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Tgt Ion	Resp	Lower	Upper
117	100		
201	79.8	44.6	134.0



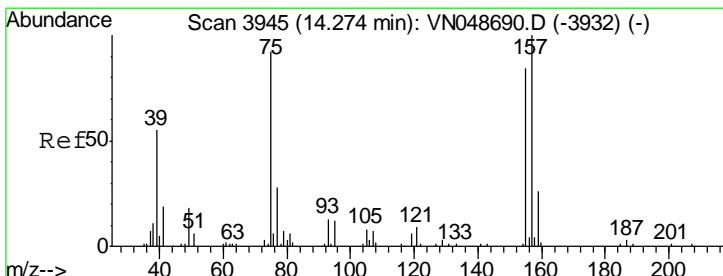
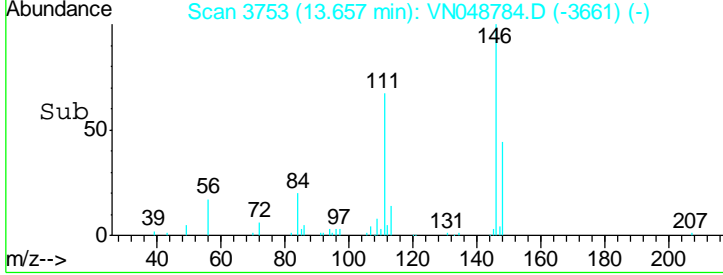
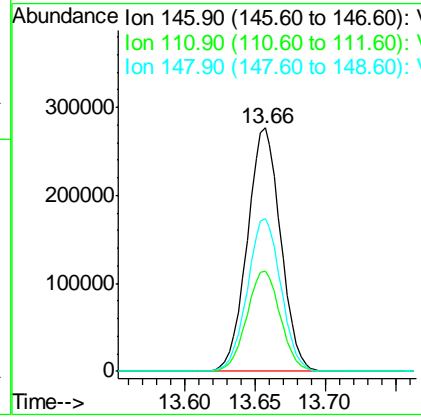
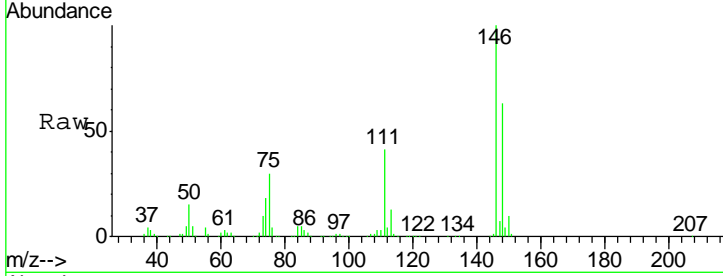


#91
 1,2-Dichlorobenzene
 Concen: 53.26 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

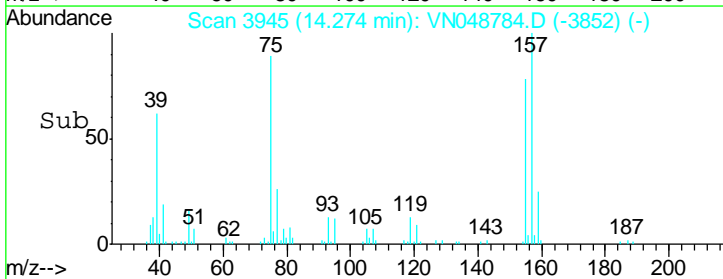
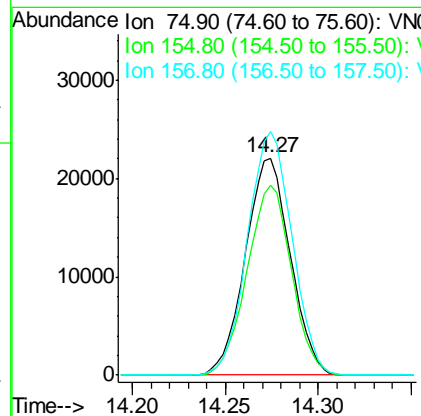
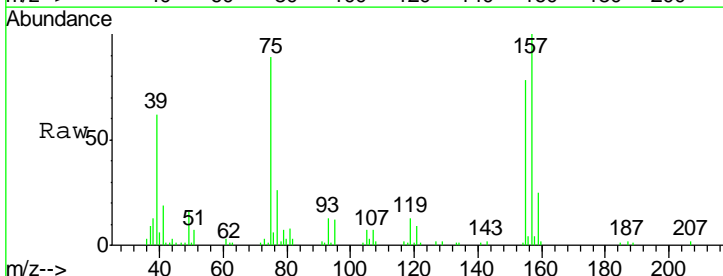
Tgt Ion	Resp	Lower	Upper
146	100		
111	41.5	19.9	59.6
148	63.3	32.0	96.0

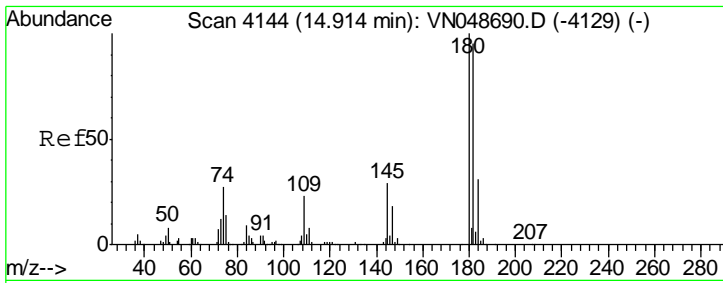
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.45 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

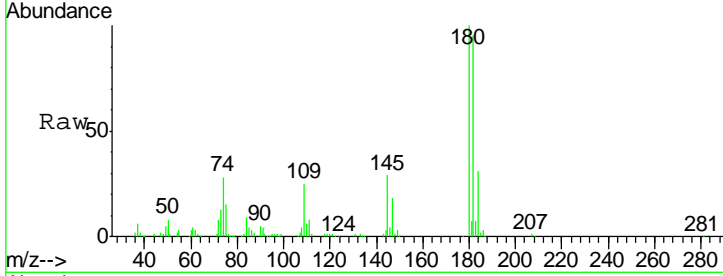
Tgt Ion	Resp	Lower	Upper
75	100		
155	86.0	47.1	141.4
157	111.3	60.9	182.6





#93
 1,2,4-Trichlorobenzene
 Concen: 48.70 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

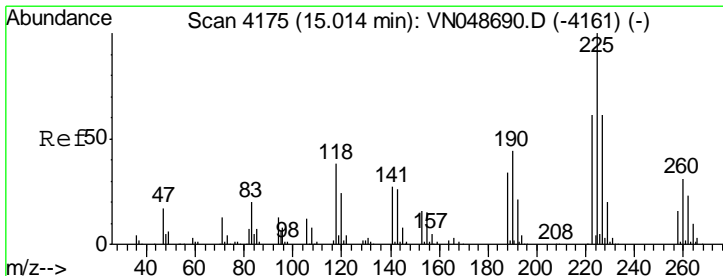
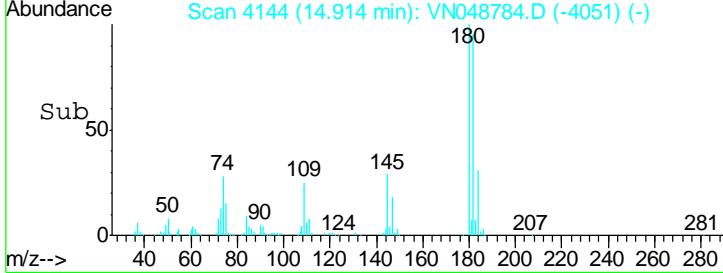
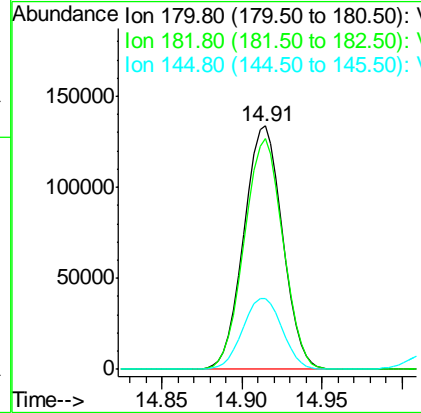
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



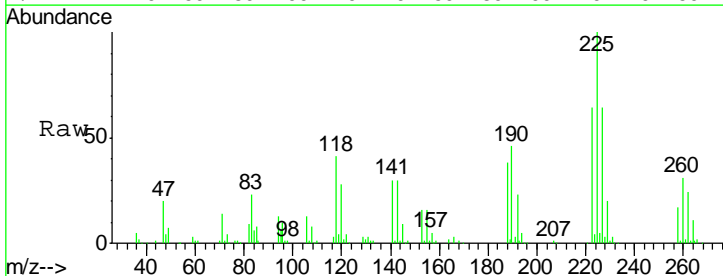
Tgt Ion:180 Resp: 219314

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.8
145	29.9	14.6	43.8

Manual Integrations APPROVED
 MMDadoda
 5/31/2018 6:55:30 PM

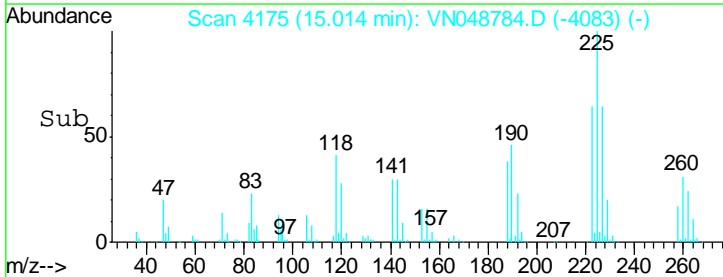
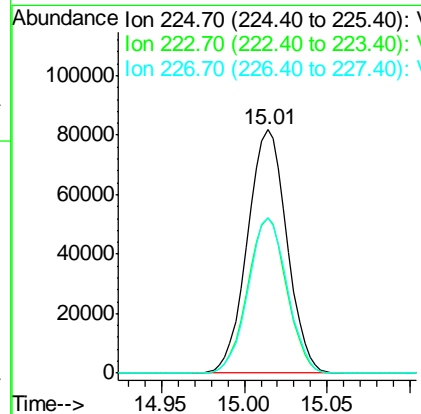


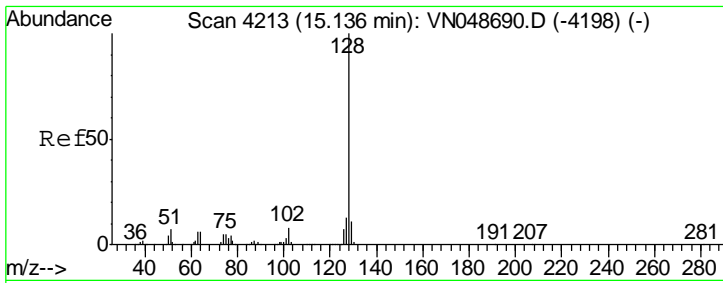
#94
 Hexachlorobutadiene
 Concen: 48.86 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11



Tgt Ion:225 Resp: 135147

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.8
227	63.1	31.9	95.5



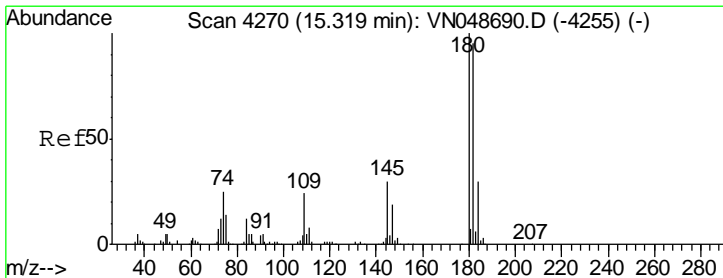
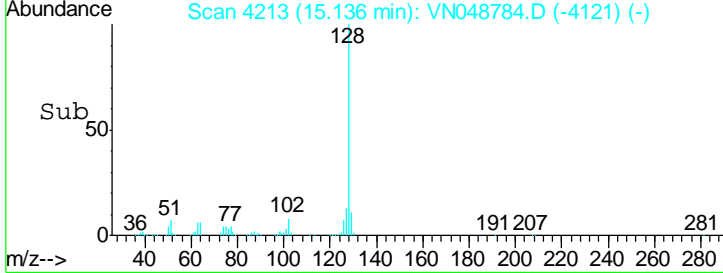
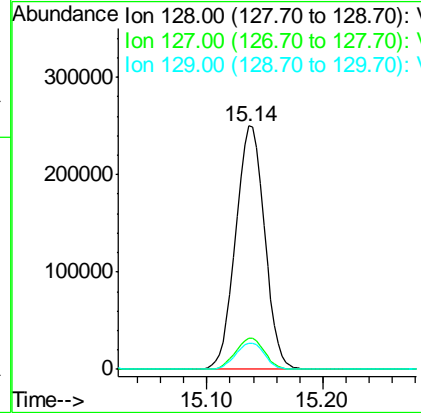
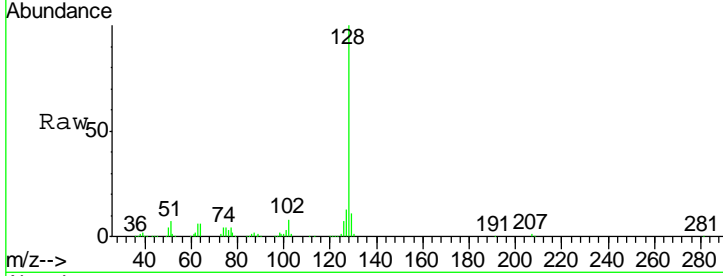


#95
 Naphthalene
 Concen: 44.08 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.7	13.1

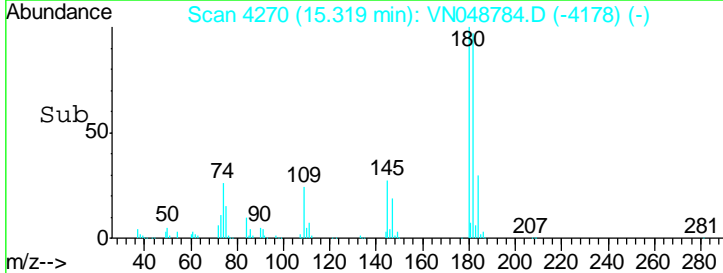
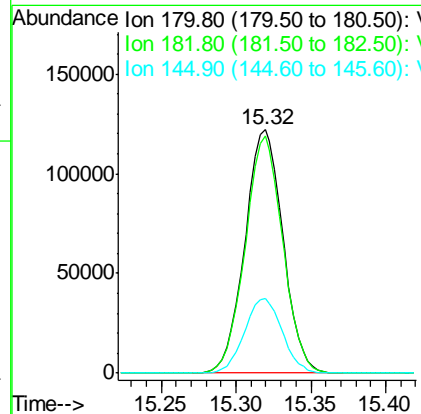
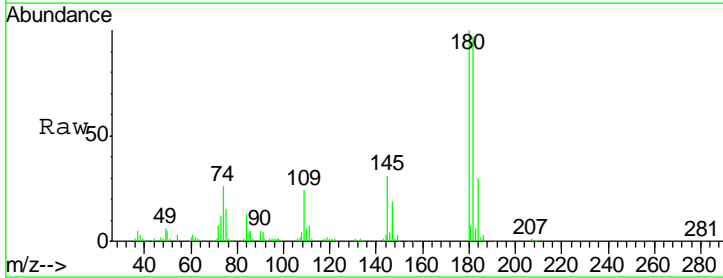
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 6:55:30 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 49.38 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: VN048784.D
 Acq: 31 May 2018 11:11

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.1	48.4	145.0
145	30.4	15.3	45.9



Data Path : W:\HPCHEM1\MSVOA N\Data\VN053118\
 Data File : VN048784.D
 Acq On : 31 May 2018 11:11
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 13:32:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	90	0.00
2 T	Dichlorodifluoromethane	0.661	0.650	1.7	98	0.00
3 P	Chloromethane	0.964	0.864	10.4	93	0.00
4 C	Vinyl Chloride	0.791	0.857	-8.3#	101	0.00
5 T	Bromomethane	0.410	0.443	-8.0	96	0.02
6 T	Chloroethane	0.448	0.503	-12.3	105	0.01
7 T	Trichlorofluoromethane	1.066	1.178	-10.5	104	0.00
8 T	Diethyl Ether	0.395	0.410	-3.8	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.684	0.767	-12.1	105	0.00
10 T	Methyl Iodide	0.946	0.897	5.2	85	0.00
11 T	Tert butyl alcohol	0.050	0.046	8.0	89	-0.02
12 CM	1,1-Dichloroethene	0.652	0.679	-4.1#	97	0.00
13 T	Acrolein	0.071	0.053	25.4#	62	0.00
14 T	Allyl chloride	1.220	1.278	-4.8	97	0.00
15 T	Acrylonitrile	0.236	0.252	-6.8	94	0.00
16 T	Acetone	0.204	0.280	-37.3#	140	0.00
17 T	Carbon Disulfide	2.133	2.128	0.2	94	0.00
18 T	Methyl Acetate	0.603	0.576	4.5	99	0.00
19 T	Methyl tert-butyl Ether	1.784	1.876	-5.2	94	0.00
20 T	Methylene Chloride	0.781	0.805	-3.1	99	0.00
21 T	trans-1,2-Dichloroethene	0.696	0.741	-6.5	97	0.00
22 T	Diisopropyl ether	2.328	2.553	-9.7	98	0.00
23 T	Vinyl Acetate	1.582	1.711	-8.2	95	0.00
24 P	1,1-Dichloroethane	1.372	1.473	-7.4	98	0.00
25 T	2-Butanone	0.277	0.335	-20.9#	112	0.00
26 T	2,2-Dichloropropane	1.142	1.232	-7.9	100	0.00
27 T	cis-1,2-Dichloroethene	0.785	0.839	-6.9	98	0.00
28 T	Bromochloromethane	0.534	0.777	-45.5#	107	0.00
29 T	Tetrahydrofuran	0.186	0.189	-1.6	92	0.00
30 C	Chloroform	1.319	1.422	-7.8#	98	0.00
31 T	Cyclohexane	1.419	1.365	3.8	100	0.00
32 T	1,1,1-Trichloroethane	1.149	1.250	-8.8	98	0.00
33 S	1,2-Dichloroethane-d4	0.727	0.757	-4.1	99	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35 S	Dibromofluoromethane	0.423	0.477	-12.8	102	0.00
36 T	1,1-Dichloropropene	0.691	0.757	-9.6	100	0.00
37 T	Ethyl Acetate	0.414	0.442	-6.8	97	0.00
38 T	Carbon Tetrachloride	0.706	0.762	-7.9	99	0.00
39 T	Methylcyclohexane	0.751	0.851	-13.3	101	0.00
40 TM	Benzene	2.016	2.215	-9.9	99	0.00
41 T	Methacrylonitrile	0.229	0.237	-3.5	94	0.00
42 TM	1,2-Dichloroethane	0.629	0.677	-7.6	98	0.00
43 T	Isopropyl Acetate	0.763	0.814	-6.7	94	0.00
44 TM	Trichloroethene	0.519	0.566	-9.1	97	0.00
45 C	1,2-Dichloropropane	0.549	0.607	-10.6#	99	0.00

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053118\
 Data File : VN048784.D
 Acq On : 31 May 2018 11:11
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 13:32:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.308	0.335	-8.8	99	0.00
47 T	Bromodichloromethane	0.689	0.750	-8.9	100	0.00
48 T	Methyl methacrylate	0.369	0.395	-7.0	97	0.00
49 T	1,4-Dioxane	0.004	0.005	-25.0#	94	0.00
50 S	Toluene-d8	1.565	1.746	-11.6	102	0.00
51 T	4-Methyl-2-Pentanone	0.402	0.437	-8.7	97	0.00
52 CM	Toluene	1.190	1.333	-12.0#	99	0.00
53 T	t-1,3-Dichloropropene	0.692	0.758	-9.5	96	0.00
54 T	cis-1,3-Dichloropropene	0.805	0.890	-10.6	97	0.00
55 T	1,1,2-Trichloroethane	0.427	0.470	-10.1	97	0.00
56 T	Ethyl methacrylate	0.541	0.603	-11.5	94	0.00
57 T	1,3-Dichloropropane	0.750	0.813	-8.4	97	0.00
58 T	2-Chloroethyl Vinyl ether	0.192	0.169	12.0	72	0.00
59 T	2-Hexanone	0.265	0.316	-19.2	106	0.00
60 T	Dibromochloromethane	0.501	0.542	-8.2	97	0.00
61 T	1,2-Dibromoethane	0.422	0.438	-3.8	96	0.00
62 S	4-Bromofluorobenzene	0.540	0.611	-13.1	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64 T	Tetrachloroethene	0.506	0.558	-10.3	103	0.00
65 PM	Chlorobenzene	1.464	1.580	-7.9	98	0.00
66 T	1,1,1,2-Tetrachloroethane	0.551	0.594	-7.8	99	0.00
67 C	Ethyl Benzene	2.535	2.842	-12.1#	101	0.00
68 T	m/p-Xylenes	0.956	1.083	-13.3	99	0.00
69 T	o-Xylene	0.922	1.032	-11.9	97	0.00
70 T	Styrene	1.449	1.675	-15.6	100	0.00
71 P	Bromoform	0.356	0.378	-6.2	96	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73 T	Isopropylbenzene	4.471	4.761	-6.5	99	0.00
74 T	N-amyl acetate	1.317	1.317	0.0	91	0.00
75 P	1,1,2,2-Tetrachloroethane	1.101	1.059	3.8	95	0.00
76 T	1,2,3-Trichloropropane	0.863	0.871	-0.9	96	0.00
77 T	Bromobenzene	1.087	1.104	-1.6	96	0.00
78 T	n-propylbenzene	5.134	5.693	-10.9	102	0.00
79 T	2-Chlorotoluene	3.079	3.271	-6.2	100	0.00
80 T	1,3,5-Trimethylbenzene	3.603	3.935	-9.2	100	0.00
81 T	trans-1,4-Dichloro-2-butene	0.313	0.301	3.8	92	0.00
82 T	4-Chlorotoluene	3.059	3.345	-9.3	101	0.00
83 T	tert-Butylbenzene	3.204	3.380	-5.5	99	0.00
84 T	1,2,4-Trimethylbenzene	3.620	4.043	-11.7	100	0.00
85 T	sec-Butylbenzene	4.250	4.714	-10.9	101	0.00
86 T	p-Isopropyltoluene	3.625	4.071	-12.3	101	0.00
87 T	1,3-Dichlorobenzene	1.916	2.059	-7.5	99	0.00
88 T	1,4-Dichlorobenzene	1.860	2.017	-8.4	100	0.00
89 T	n-Butylbenzene	3.046	3.502	-15.0	101	0.00

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053118\
 Data File : VN048784.D
 Acq On : 31 May 2018 11:11
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 13:32:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.777	0.791	-1.8	100	0.00
91 T	1,2-Dichlorobenzene	1.874	1.996	-6.5	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.163	0.162	0.6	92	0.00
93 T	1,2,4-Trichlorobenzene	0.830	0.955	-15.1	94	0.00
94 T	Hexachlorobutadiene	0.602	0.589	2.2	94	0.00
95 T	Naphthalene	1.776	1.874	-5.5	88	0.00
96 T	1,2,3-Trichlorobenzene	0.852	0.940	-10.3	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053118\
 Data File : VN048784.D
 Acq On : 31 May 2018 11:11
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 13:32:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	90	0.00
2 T	Dichlorodifluoromethane	50.000	54.552	-9.1	98	0.00
3 P	Chloromethane	50.000	51.470	-2.9	93	0.00
4 C	Vinyl Chloride	50.000	54.220	-8.4#	101	0.00
5 T	Bromomethane	50.000	53.949	-7.9	96	0.02
6 T	Chloroethane	50.000	56.210	-12.4	105	0.01
7 T	Trichlorofluoromethane	50.000	55.232	-10.5	104	0.00
8 T	Diethyl Ether	50.000	51.860	-3.7	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	56.088	-12.2	105	0.00
10 T	Methyl Iodide	50.000	47.449	5.1	85	0.00
11 T	Tert butyl alcohol	250.000	230.980	7.6	89	-0.02
12 CM	1,1-Dichloroethene	50.000	52.058	-4.1#	97	0.00
13 T	Acrolein	250.000	178.020	28.8#	62	0.00
14 T	Allyl chloride	50.000	52.365	-4.7	97	0.00
15 T	Acrylonitrile	250.000	266.802	-6.7	94	0.00
16 T	Acetone	250.000	396.848	-58.7#	140	0.00
17 T	Carbon Disulfide	50.000	49.881	0.2	94	0.00
18 T	Methyl Acetate	50.000	54.291	-8.6	99	0.00
19 T	Methyl tert-butyl Ether	50.000	52.568	-5.1	94	0.00
20 T	Methylene Chloride	50.000	51.522	-3.0	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	53.221	-6.4	97	0.00
22 T	Diisopropyl ether	50.000	54.833	-9.7	98	0.00
23 T	Vinyl Acetate	250.000	270.319	-8.1	95	0.00
24 P	1,1-Dichloroethane	50.000	53.688	-7.4	98	0.00
25 T	2-Butanone	250.000	302.470	-21.0#	112	0.00
26 T	2,2-Dichloropropane	50.000	53.932	-7.9	100	0.00
27 T	cis-1,2-Dichloroethene	50.000	53.436	-6.9	98	0.00
28 T	Bromochloromethane	50.000	62.405	-24.8#	107	0.00
29 T	Tetrahydrofuran	250.000	254.906	-2.0	92	0.00
30 C	Chloroform	50.000	53.880	-7.8#	98	0.00
31 T	Cyclohexane	50.000	54.937	-9.9	100	0.00
32 T	1,1,1-Trichloroethane	50.000	54.399	-8.8	98	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.124	-4.2	99	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35 S	Dibromofluoromethane	50.000	56.265	-12.5	102	0.00
36 T	1,1-Dichloropropene	50.000	54.744	-9.5	100	0.00
37 T	Ethyl Acetate	50.000	53.426	-6.9	97	0.00
38 T	Carbon Tetrachloride	50.000	53.942	-7.9	99	0.00
39 T	Methylcyclohexane	50.000	56.674	-13.3	101	0.00
40 TM	Benzene	50.000	54.943	-9.9	99	0.00
41 T	Methacrylonitrile	50.000	51.701	-3.4	94	0.00
42 TM	1,2-Dichloroethane	50.000	53.776	-7.6	98	0.00
43 T	Isopropyl Acetate	50.000	53.337	-6.7	94	0.00
44 TM	Trichloroethene	50.000	54.577	-9.2	97	0.00
45 C	1,2-Dichloropropane	50.000	55.350	-10.7#	99	0.00

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053118\
 Data File : VN048784.D
 Acq On : 31 May 2018 11:11
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 13:32:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	54.446	-8.9	99	0.00
47 T	Bromodichloromethane	50.000	54.485	-9.0	100	0.00
48 T	Methyl methacrylate	50.000	53.618	-7.2	97	0.00
49 T	1,4-Dioxane	1000.000	996.853	0.3	94	0.00
50 S	Toluene-d8	50.000	55.762	-11.5	102	0.00
51 T	4-Methyl-2-Pentanone	250.000	271.474	-8.6	97	0.00
52 CM	Toluene	50.000	56.027	-12.1#	99	0.00
53 T	t-1,3-Dichloropropene	50.000	54.764	-9.5	96	0.00
54 T	cis-1,3-Dichloropropene	50.000	55.263	-10.5	97	0.00
55 T	1,1,2-Trichloroethane	50.000	54.956	-9.9	97	0.00
56 T	Ethyl methacrylate	50.000	50.433	-0.9	94	0.00
57 T	1,3-Dichloropropane	50.000	54.189	-8.4	97	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	192.361	23.1#	72	0.00
59 T	2-Hexanone	250.000	297.812	-19.1	106	0.00
60 T	Dibromochloromethane	50.000	54.121	-8.2	97	0.00
61 T	1,2-Dibromoethane	50.000	51.880	-3.8	96	0.00
62 S	4-Bromofluorobenzene	50.000	56.548	-13.1	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64 T	Tetrachloroethene	50.000	55.158	-10.3	103	0.00
65 PM	Chlorobenzene	50.000	53.944	-7.9	98	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.907	-7.8	99	0.00
67 C	Ethyl Benzene	50.000	56.057	-12.1#	101	0.00
68 T	m/p-Xylenes	100.000	113.282	-13.3	99	0.00
69 T	o-Xylene	50.000	55.977	-12.0	97	0.00
70 T	Styrene	50.000	57.780	-15.6	100	0.00
71 P	Bromoform	50.000	53.039	-6.1	96	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73 T	Isopropylbenzene	50.000	53.253	-6.5	99	0.00
74 T	N-amyl acetate	50.000	50.006	-0.0	91	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.094	3.8	95	0.00
76 T	1,2,3-Trichloropropane	50.000	50.461	-0.9	96	0.00
77 T	Bromobenzene	50.000	50.777	-1.6	96	0.00
78 T	n-propylbenzene	50.000	55.435	-10.9	102	0.00
79 T	2-Chlorotoluene	50.000	53.115	-6.2	100	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.600	-9.2	100	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.129	3.7	92	0.00
82 T	4-Chlorotoluene	50.000	54.684	-9.4	101	0.00
83 T	tert-Butylbenzene	50.000	52.739	-5.5	99	0.00
84 T	1,2,4-Trimethylbenzene	50.000	55.835	-11.7	100	0.00
85 T	sec-Butylbenzene	50.000	55.462	-10.9	101	0.00
86 T	p-Isopropyltoluene	50.000	56.153	-12.3	101	0.00
87 T	1,3-Dichlorobenzene	50.000	53.734	-7.5	99	0.00
88 T	1,4-Dichlorobenzene	50.000	54.235	-8.5	100	0.00
89 T	n-Butylbenzene	50.000	57.489	-15.0	101	0.00

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053118\
 Data File : VN048784.D
 Acq On : 31 May 2018 11:11
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 31 13:32:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	50.953	-1.9	100	0.00
91 T	1,2-Dichlorobenzene	50.000	53.263	-6.5	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.454	1.1	92	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.701	2.6	94	0.00
94 T	Hexachlorobutadiene	50.000	48.862	2.3	94	0.00
95 T	Naphthalene	50.000	44.077	11.8	88	0.00
96 T	1,2,3-Trichlorobenzene	50.000	49.384	1.2	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

QC SAMPLE
DATA

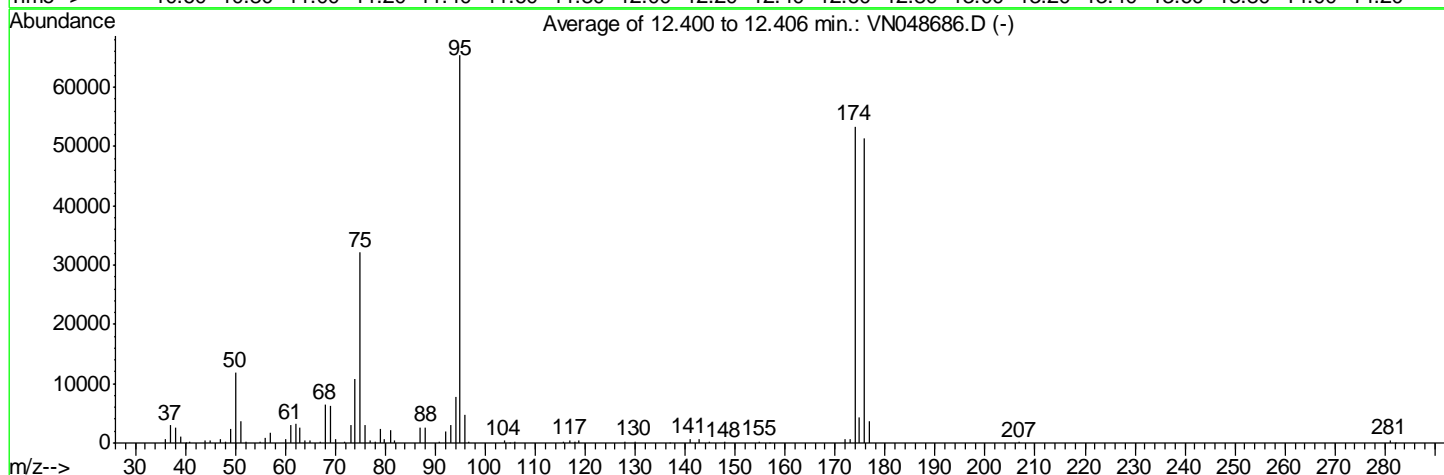
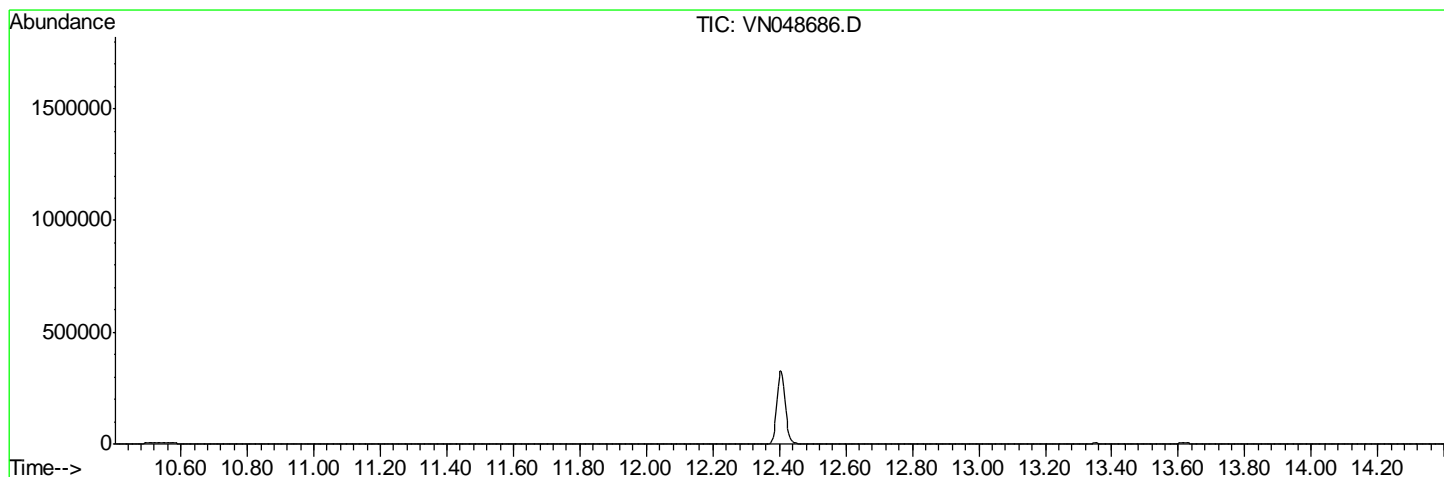
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Data Path : W:\HPCHEM1\MSVOA N\Data\VN052918\
 Data File : VN048686.D
 Acq On : 29 May 2018 9:57
 Operator : MD\SY
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260
 Last Update : Wed May 30 01:24:39 2018



AutoFind: Scans 3362, 3363, 3364; Background Corrected with Scan 3349

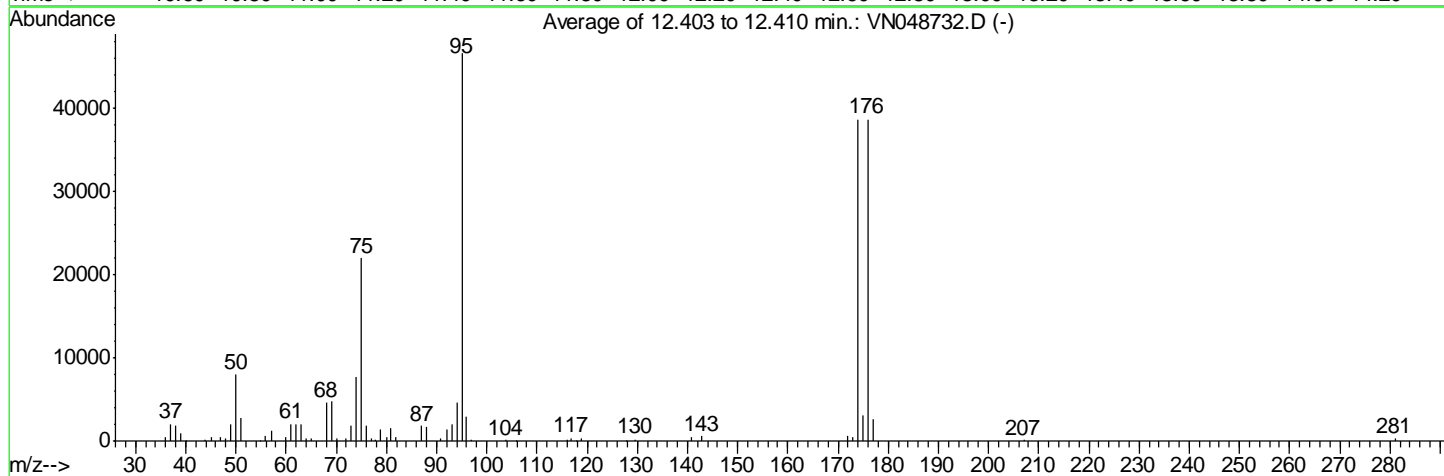
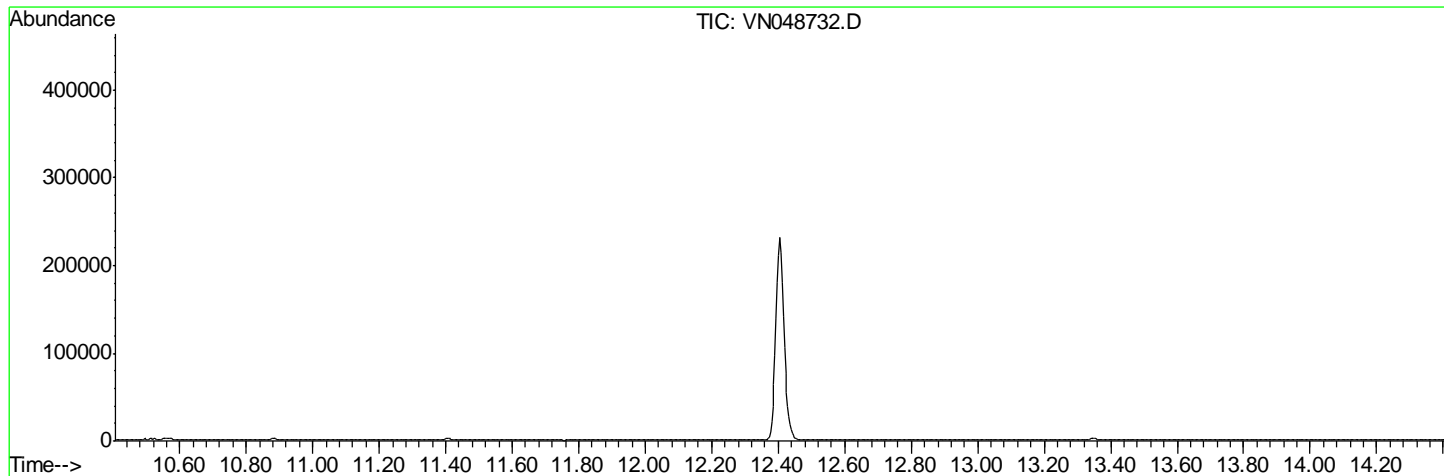
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.1	11814	PASS
75	95	30	60	49.2	32128	PASS
95	95	100	100	100.0	65354	PASS
96	95	5	9	7.3	4770	PASS
173	174	0.00	2	1.2	631	PASS
174	95	50	100	81.6	53314	PASS
175	174	5	9	8.2	4362	PASS
176	174	95	101	96.4	51384	PASS
177	176	5	9	7.3	3730	PASS

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048732.D
 Acq On : 30 May 2018 10:20
 Operator : MD\SY
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260
 Last Update : Wed May 30 01:24:39 2018



AutoFind: Scans 3363, 3364, 3365; Background Corrected with Scan 3349

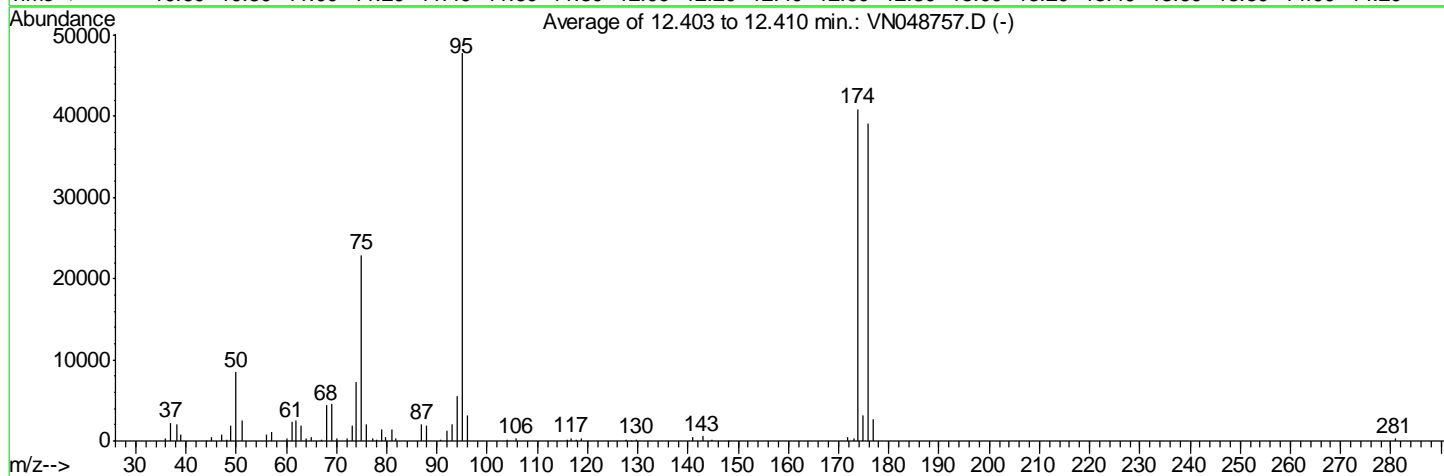
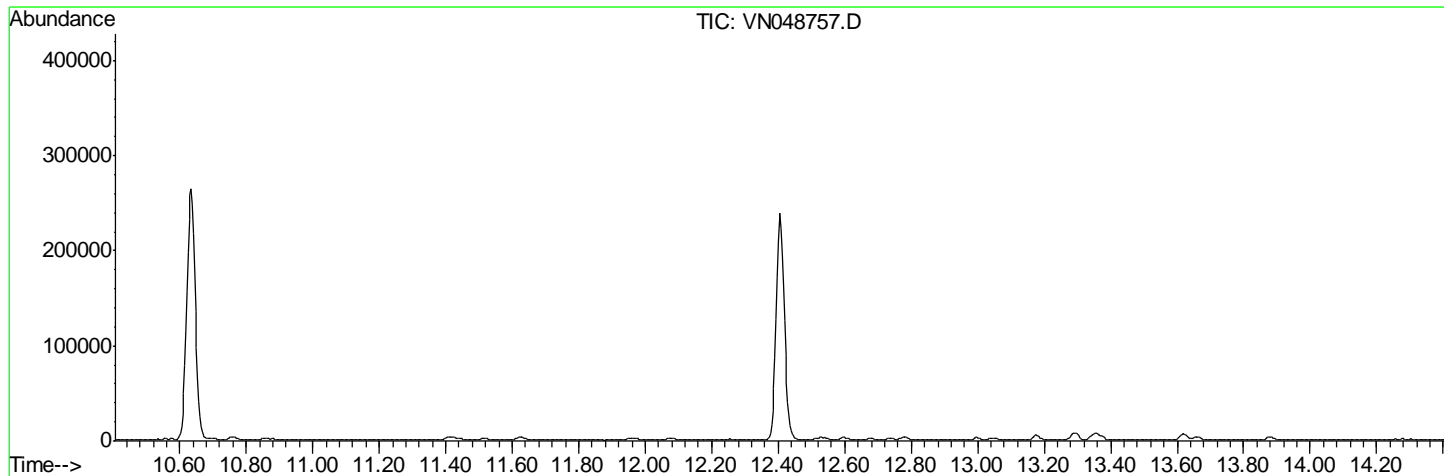
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	7987	PASS
75	95	30	60	47.2	22016	PASS
95	95	100	100	100.0	46661	PASS
96	95	5	9	6.3	2919	PASS
173	174	0.00	2	1.3	500	PASS
174	95	50	100	82.9	38685	PASS
175	174	5	9	8.0	3113	PASS
176	174	95	101	100.1	38706	PASS
177	176	5	9	6.7	2581	PASS

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053018\
 Data File : VN048757.D
 Acq On : 30 May 2018 22:18
 Operator : MD\SY
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260
 Last Update : Wed May 30 01:24:39 2018



AutoFind: Scans 3363, 3364, 3365; Background Corrected with Scan 3350

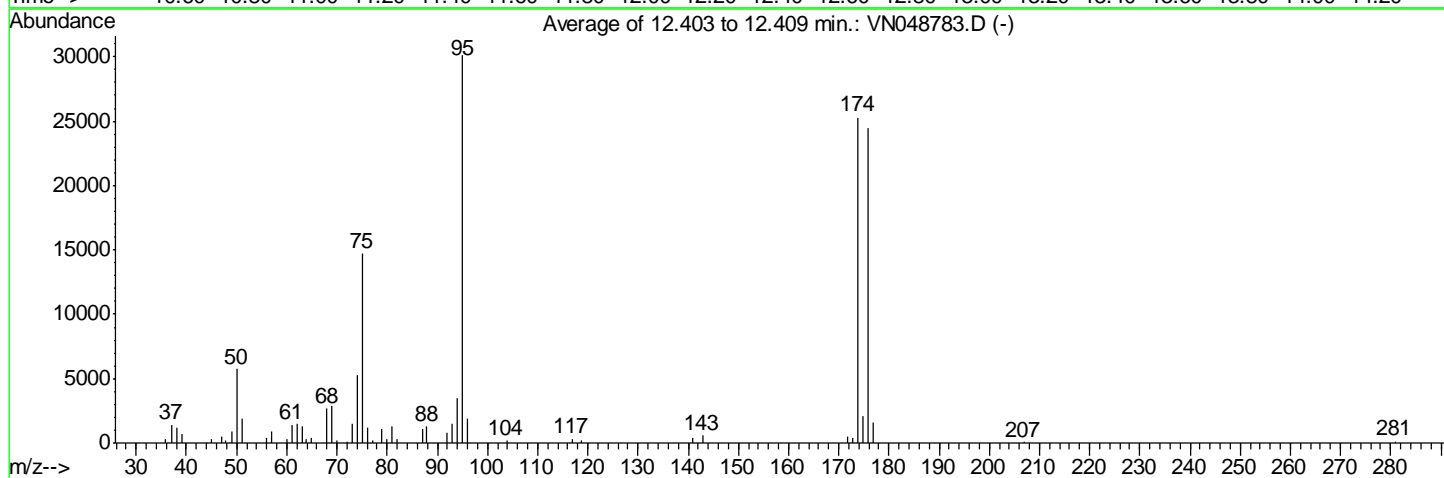
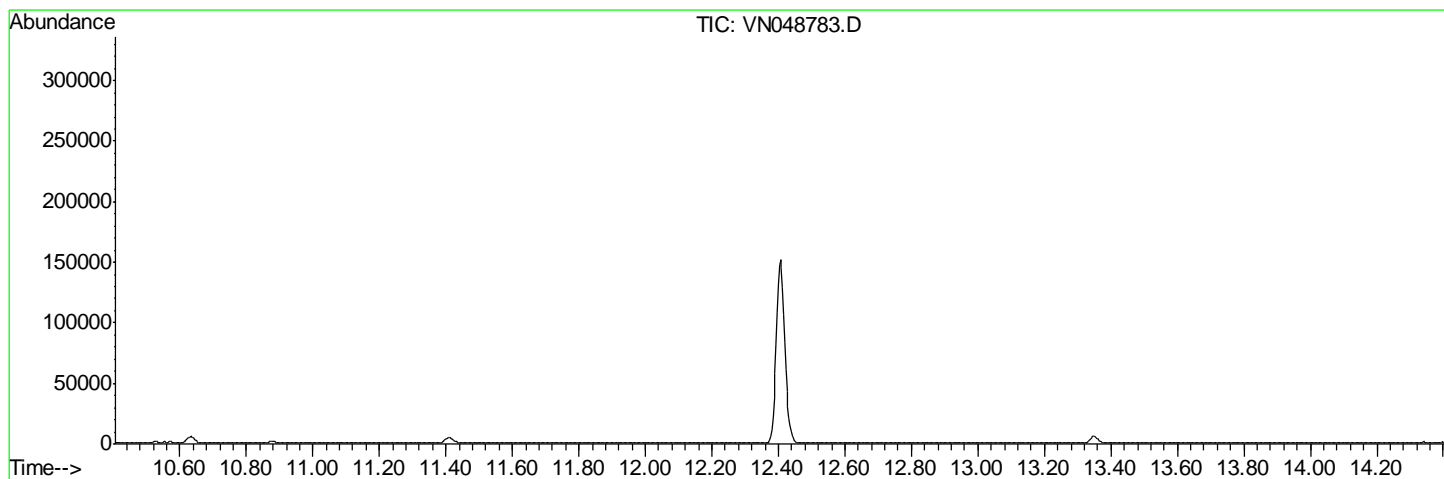
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.7	8451	PASS
75	95	30	60	48.0	22936	PASS
95	95	100	100	100.0	47757	PASS
96	95	5	9	6.6	3144	PASS
173	174	0.00	2	0.7	284	PASS
174	95	50	100	85.6	40901	PASS
175	174	5	9	7.9	3233	PASS
176	174	95	101	95.5	39058	PASS
177	176	5	9	6.8	2637	PASS

Data Path : W:\HPCHEM1\MSVOA N\Data\VN053118\
 Data File : VN048783.D
 Acq On : 31 May 2018 10:29
 Operator : MD\SY
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260
 Last Update : Wed May 30 01:24:39 2018



AutoFind: Scans 3363, 3364, 3365; Background Corrected with Scan 3350

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	5727	PASS
75	95	30	60	48.8	14695	PASS
95	95	100	100	100.0	30114	PASS
96	95	5	9	6.3	1891	PASS
173	174	0.00	2	1.6	406	PASS
174	95	50	100	84.0	25301	PASS
175	174	5	9	8.1	2051	PASS
176	174	95	101	96.6	24432	PASS
177	176	5	9	6.7	1632	PASS



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0530WBL01	SDG No.:	J3131
Lab Sample ID:	VN0530WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048734.D	1		05/30/18 11:54	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0530WBL01	SDG No.:	J3131
Lab Sample ID:	VN0530WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048734.D	1		05/30/18 11:54	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.6		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		69 - 133		104%	SPK: 50
2037-26-5	Toluene-d8	51.2		65 - 126		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.3		58 - 135		81%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	348987	7.67				
540-36-3	1,4-Difluorobenzene	535271	8.59				
3114-55-4	Chlorobenzene-d5	439969	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	150980	13.35				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0530WBL01	SDG No.:	J3131
Lab Sample ID:	VN0530WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048734.D	1		05/30/18 11:54	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048734.D
 Acq On : 30 May 2018 11:54
 Operator : MD\SY
 Sample : VN0530WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBL01

Quant Time: May 31 07:31:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	348987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	535271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	439969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	150980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	251743	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	7.59	113	235402	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.09	98	858549	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.40	95	233186	40.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.64%	

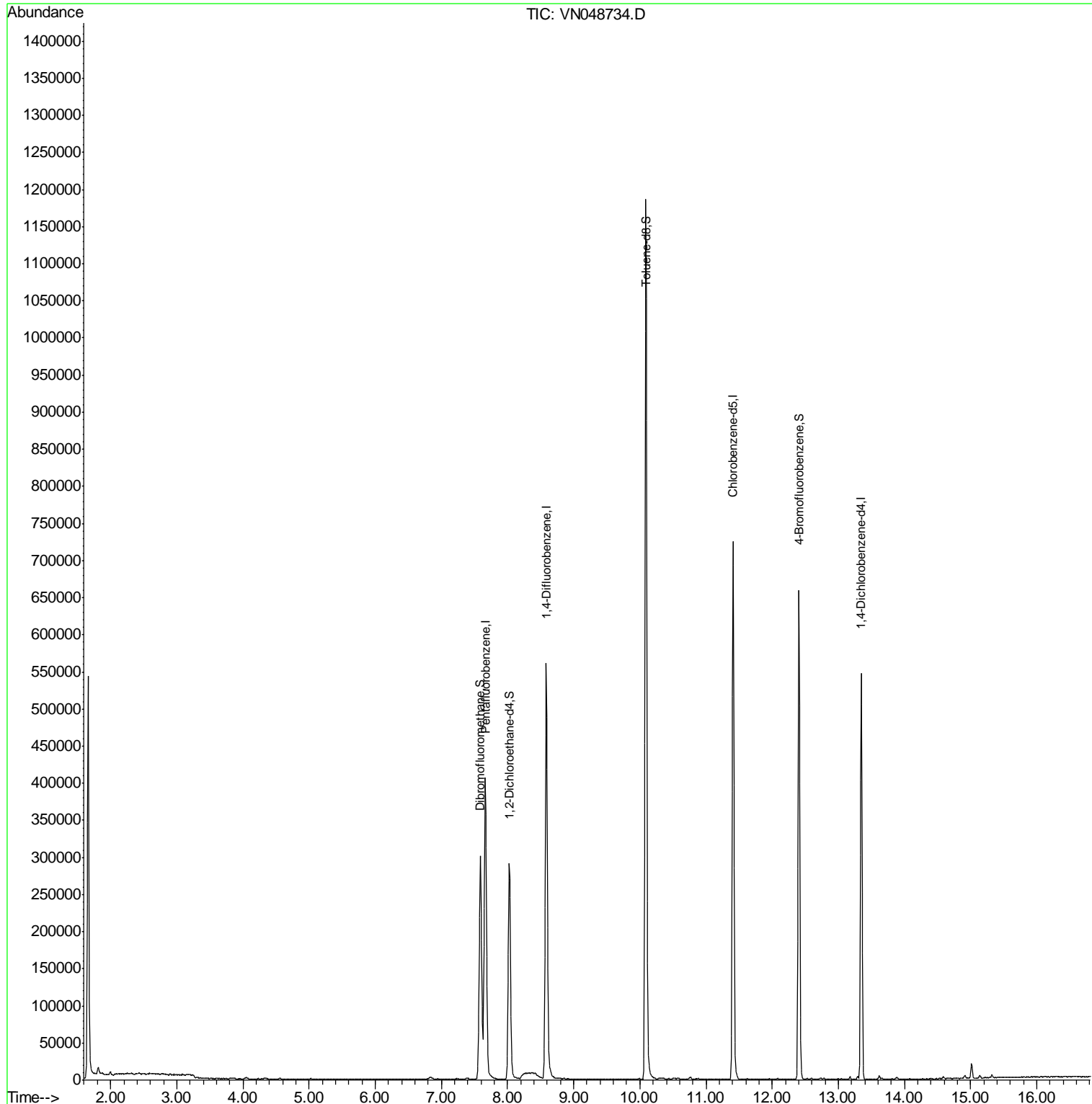
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

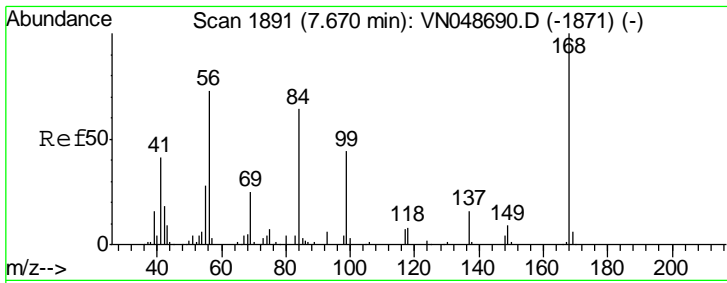
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048734.D
 Acq On : 30 May 2018 11:54
 Operator : MD\SY
 Sample : VN0530WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBL01

Quant Time: May 31 07:31:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



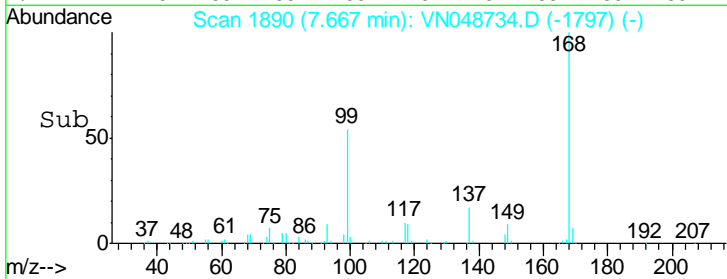
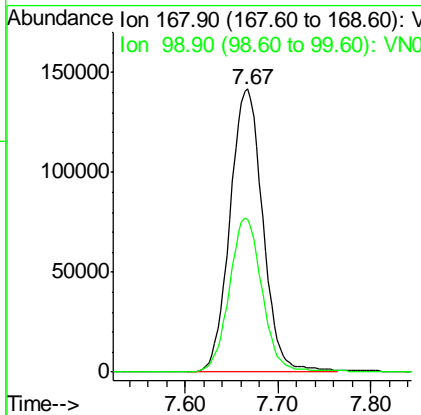
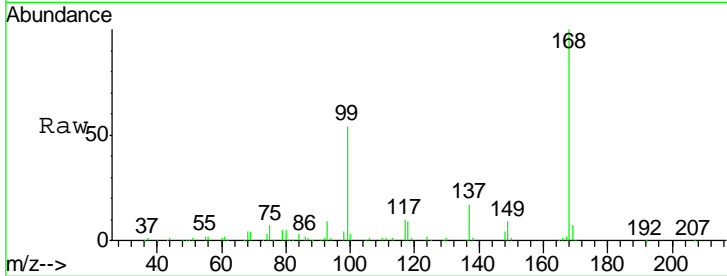
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048734.D
 Acq: 30 May 2018 11:54

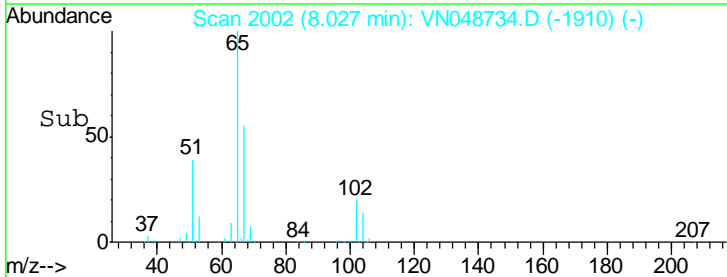
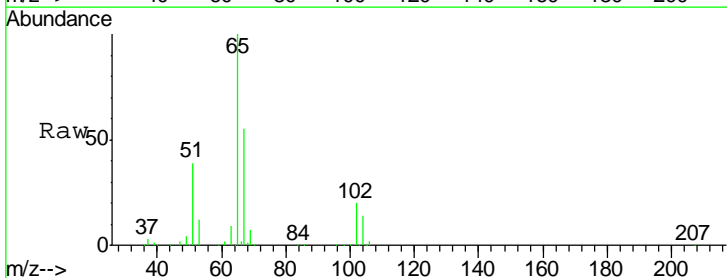
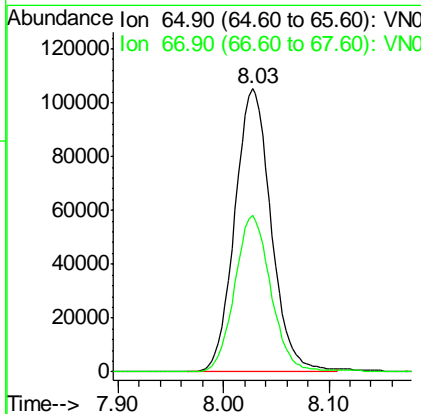
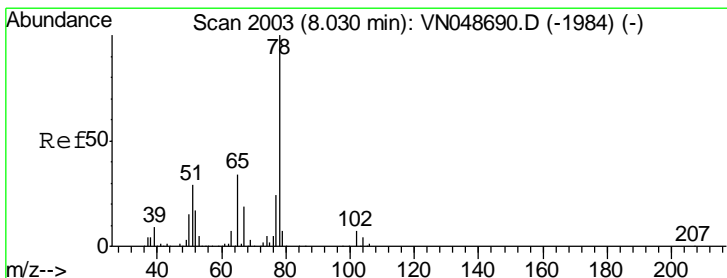
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBL01

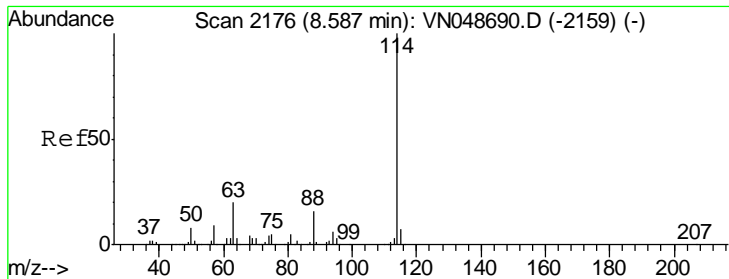
Tgt Ion	Resp	Lower	Upper
168	100		
99	54.1	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 49.64 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN048734.D
 Acq: 30 May 2018 11:54

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.8	0.0	108.4

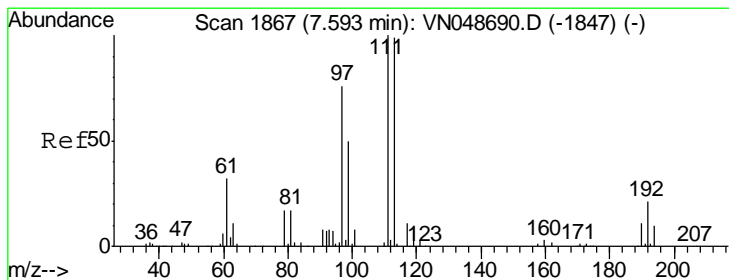
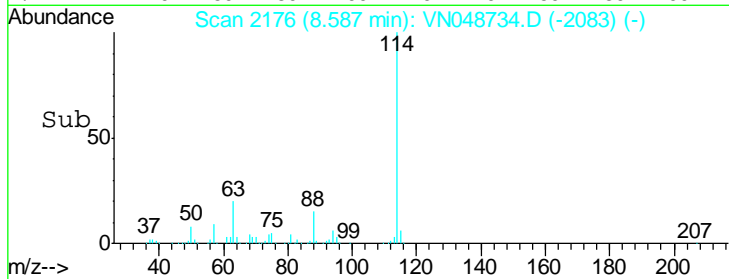
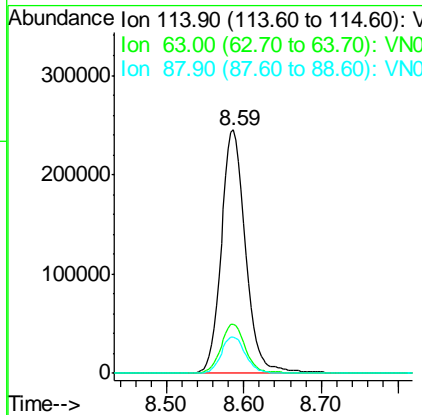
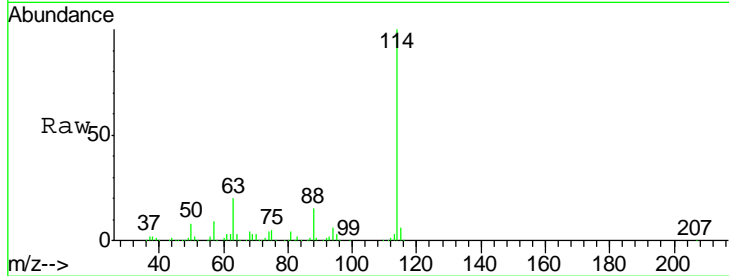




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048734.D
 Acq: 30 May 2018 11:54

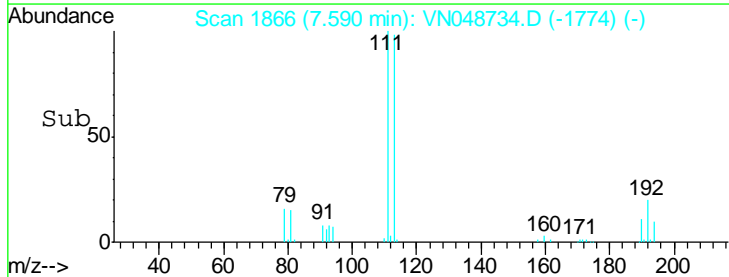
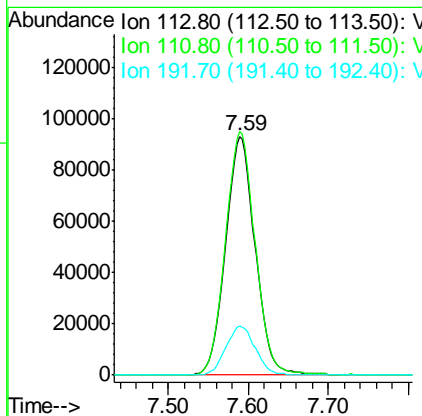
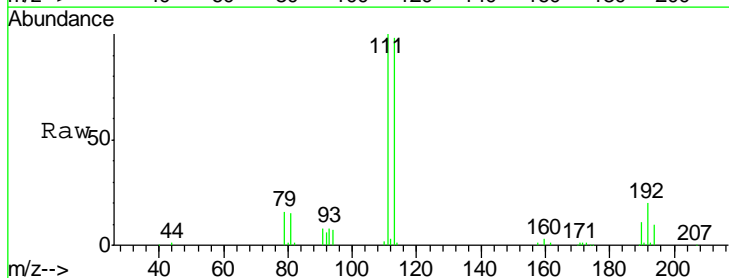
Instrument : MSVOA_N
 ClientSampled : VN0530WBL01

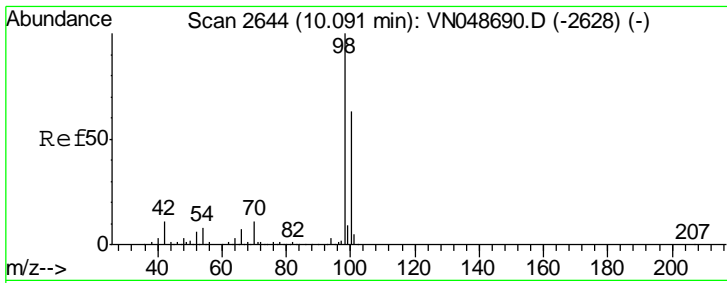
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.4	0.0	40.0
88	14.9	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 51.92 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN048734.D
 Acq: 30 May 2018 11:54

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.7	81.7	122.5
192	20.4	17.6	26.4

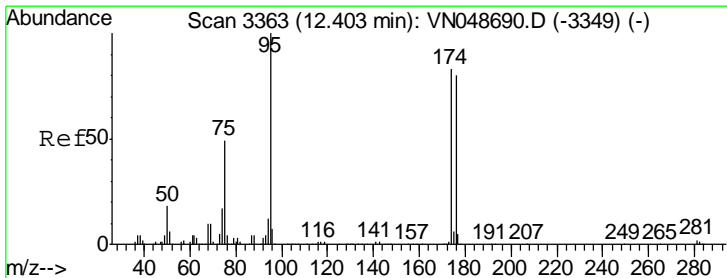
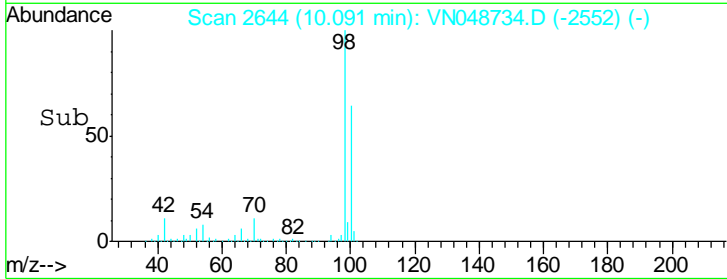
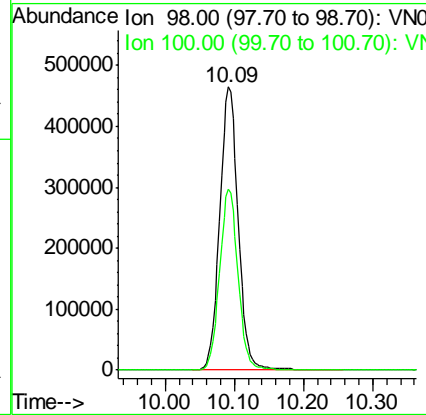
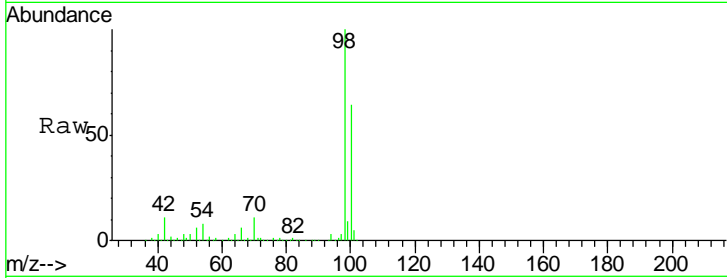




#50
 Toluene-d8
 Concen: 51.23 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048734.D
 Acq: 30 May 2018 11:54

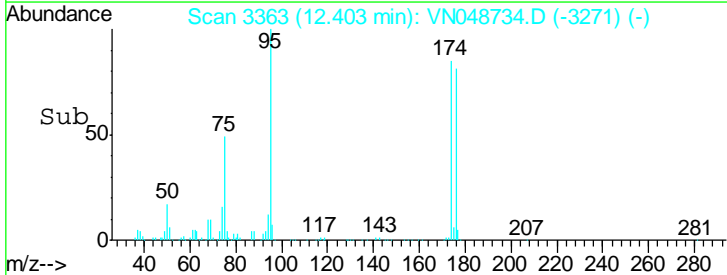
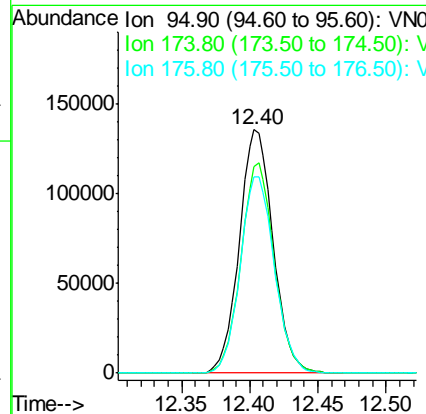
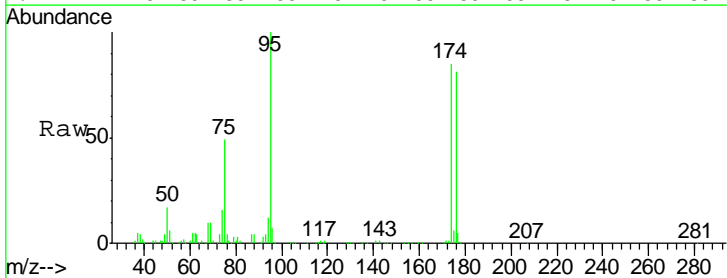
Instrument : MSVOA_N
 ClientSampled : VN0530WBL01

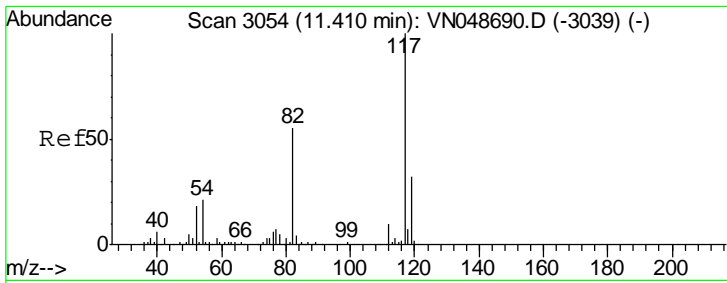
Tgt Ion	Resp	Lower	Upper
98	100		
100	63.7	51.2	76.8



#62
 4-Bromofluorobenzene
 Concen: 40.32 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048734.D
 Acq: 30 May 2018 11:54

Tgt Ion	Resp	Lower	Upper
95	100		
174	85.1	0.0	173.8
176	81.9	0.0	170.0

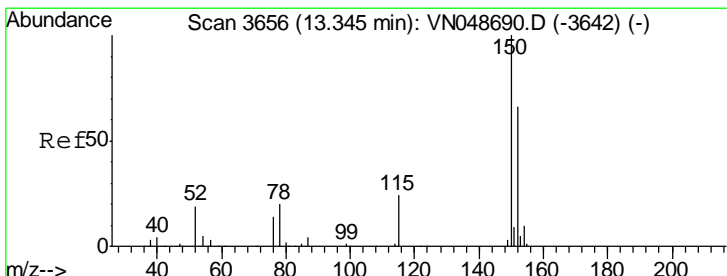
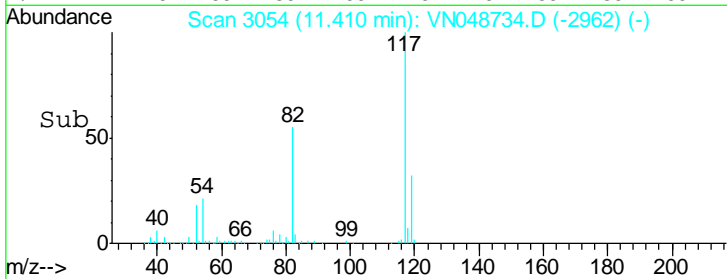
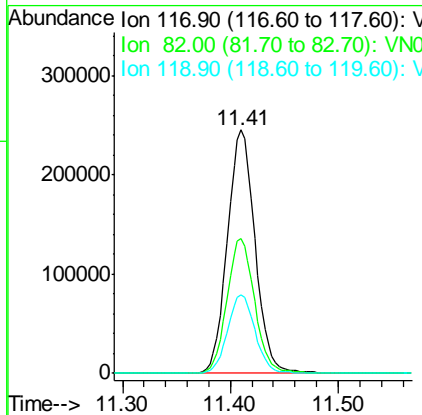
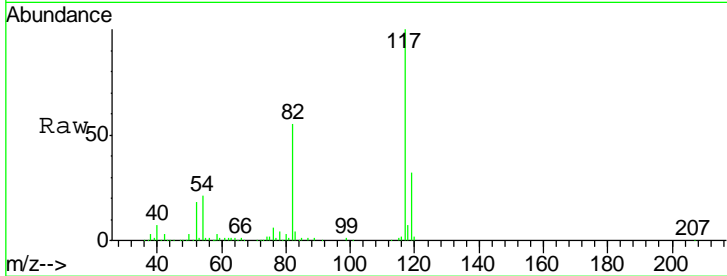




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048734.D
 Acq: 30 May 2018 11:54

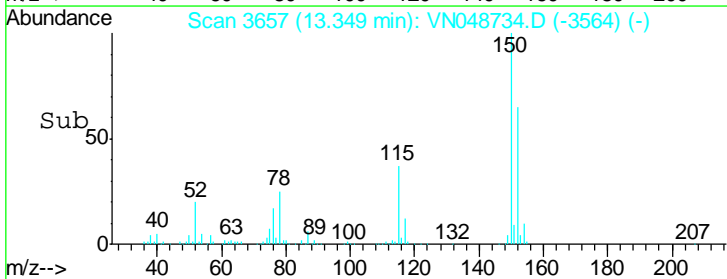
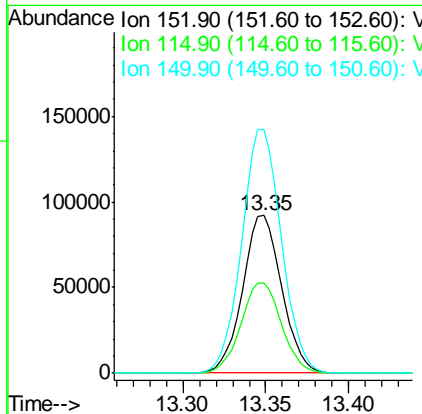
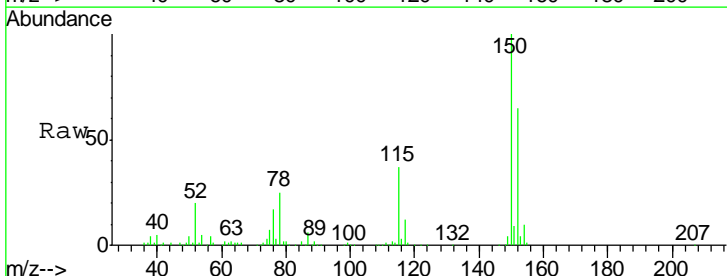
Instrument : MSVOA_N
 ClientSampled : VN0530WBL01

Tgt Ion	Resp	Lower	Upper
117	439969		
82	55.1	42.8	64.2
119	32.3	26.0	39.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048734.D
 Acq: 30 May 2018 11:54

Tgt Ion	Resp	Lower	Upper
152	150980		
115	59.1	28.1	84.4
150	156.8	0.0	353.0



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048734.D
 Acq On : 30 May 2018 11:54
 Operator : MD\SY
 Sample : VN0530WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBL01

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.661	4	22	43	rBV	541559	850675	38.46%	8.405%
2	7.590	1846	1866	1878	rBV	301093	754145	34.10%	7.451%
3	7.664	1878	1889	1923	rVB	404453	986011	44.58%	9.742%
4	8.027	1984	2002	2032	rBV2	290756	704283	31.84%	6.959%
5	8.268	2051	2077	2082	rBV6	7808	30915	1.40%	0.305%
6	8.587	2159	2176	2205	rBV	558315	1211339	54.77%	11.969%
7	10.091	2628	2644	2682	rBV	1186034	2211640	100.00%	21.852%
8	11.410	3039	3054	3082	rBV	724767	1294356	58.52%	12.789%
9	12.403	3348	3363	3384	rBV	659264	1135302	51.33%	11.217%
10	13.349	3644	3657	3671	rVB	546568	911894	41.23%	9.010%
11	15.014	4166	4175	4185	rBV5	19867	30262	1.37%	0.299%

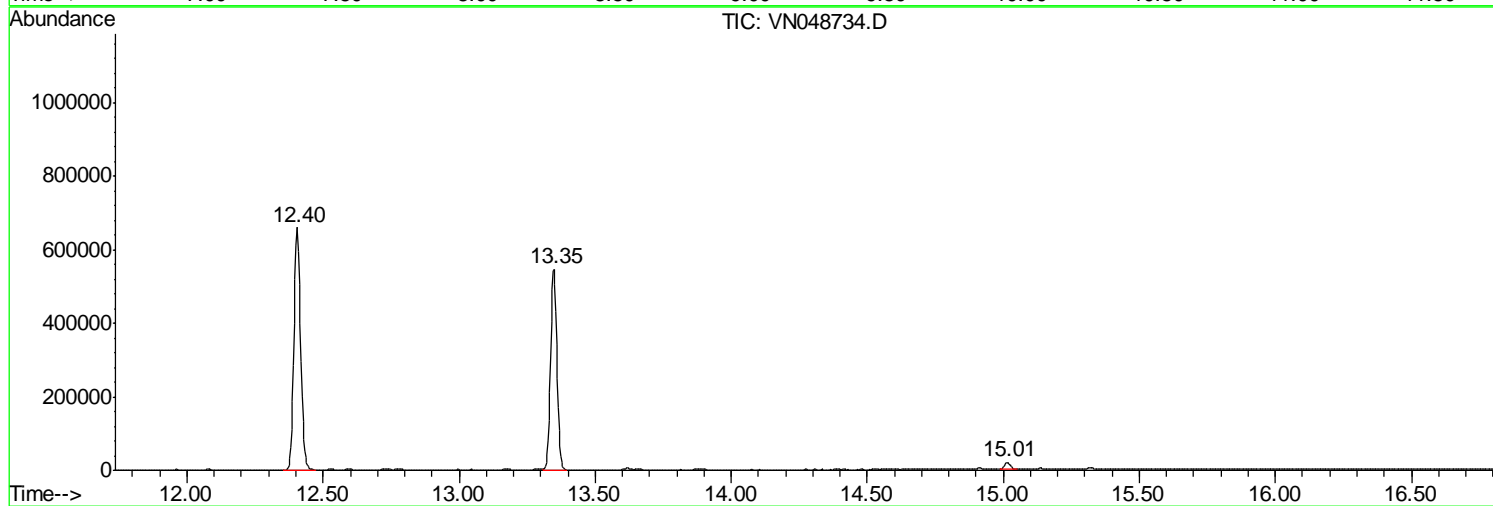
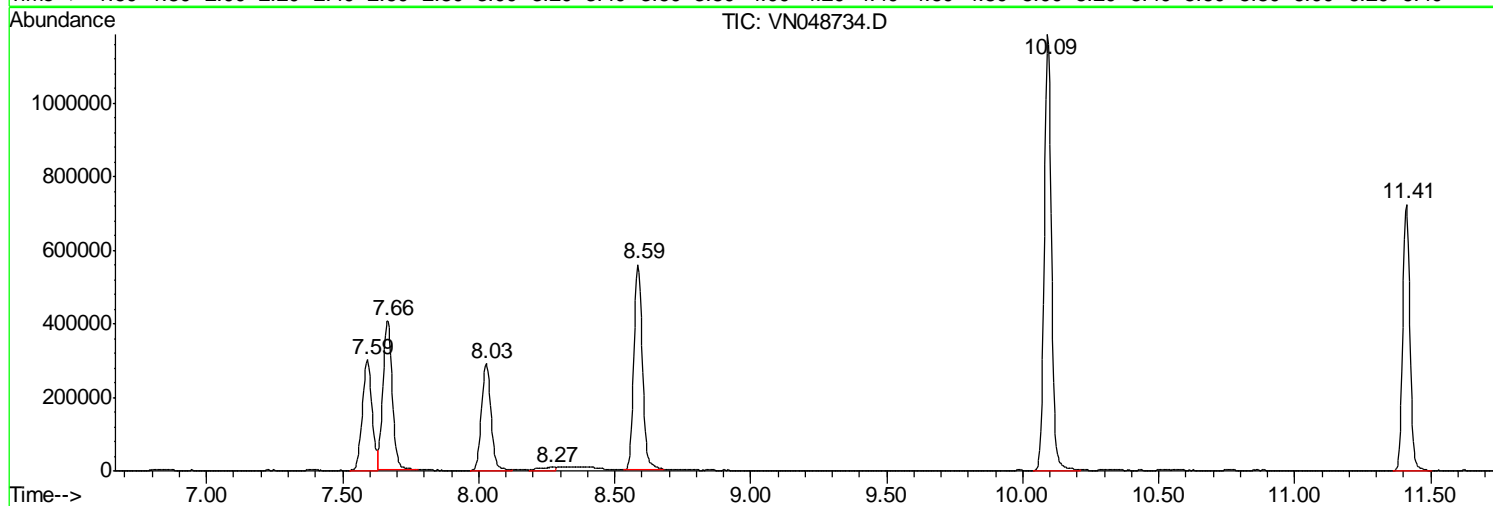
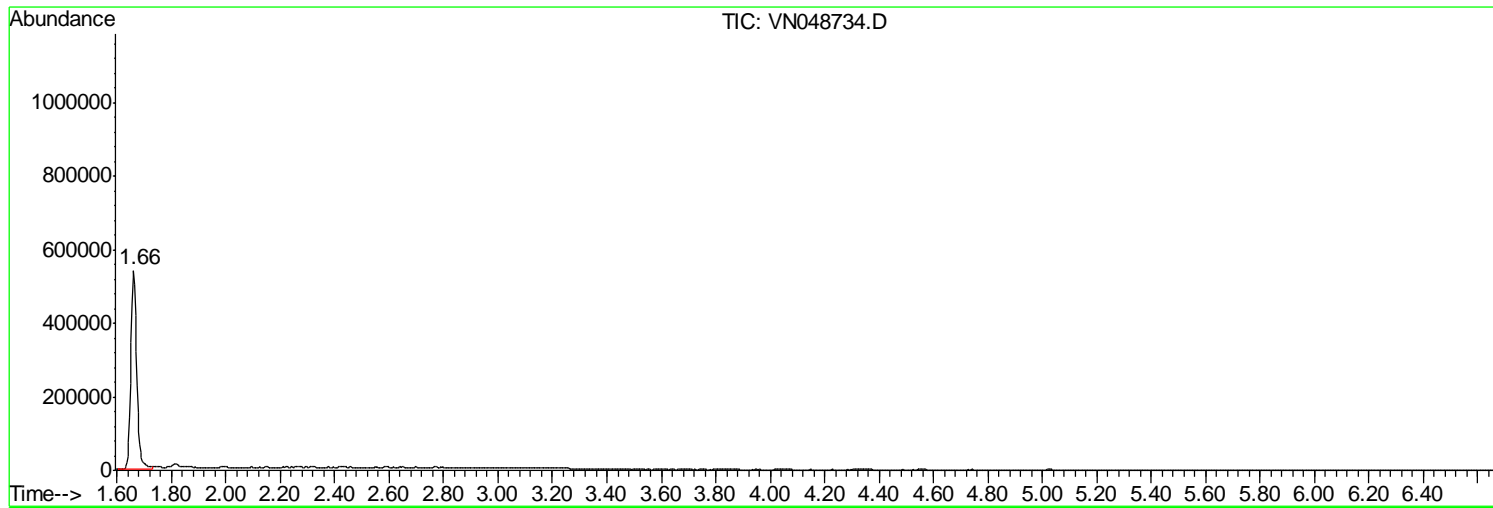
Sum of corrected areas: 10120822

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
Data File : VN048734.D
Acq On : 30 May 2018 11:54
Operator : MD\SY
Sample : VN0530WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBL01

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
Data File : VN048734.D
Acq On : 30 May 2018 11:54
Operator : MD\SY
Sample : VN0530WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBL01

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
 Data File : VN048734.D
 Acq On : 30 May 2018 11:54
 Operator : MD\SY
 Sample : VN0530WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBL01

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0530WBL02	SDG No.:	J3131
Lab Sample ID:	VN0530WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048759.D	1		05/31/18 00:01	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0530WBL02	SDG No.:	J3131
Lab Sample ID:	VN0530WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048759.D	1		05/31/18 00:01	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	2.3		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.9		61 - 141		108%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		69 - 133		108%	SPK: 50
2037-26-5	Toluene-d8	52.3		65 - 126		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.1		58 - 135		80%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	302987	7.67				
540-36-3	1,4-Difluorobenzene	480162	8.59				
3114-55-4	Chlorobenzene-d5	408246	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	120326	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0530WBL02	SDG No.:	J3131
Lab Sample ID:	VN0530WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048759.D	1		05/31/18 00:01	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048759.D
 Acq On : 31 May 2018 00:01
 Operator : MD\SY
 Sample : VN0530WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBL02

Quant Time: May 31 04:28:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

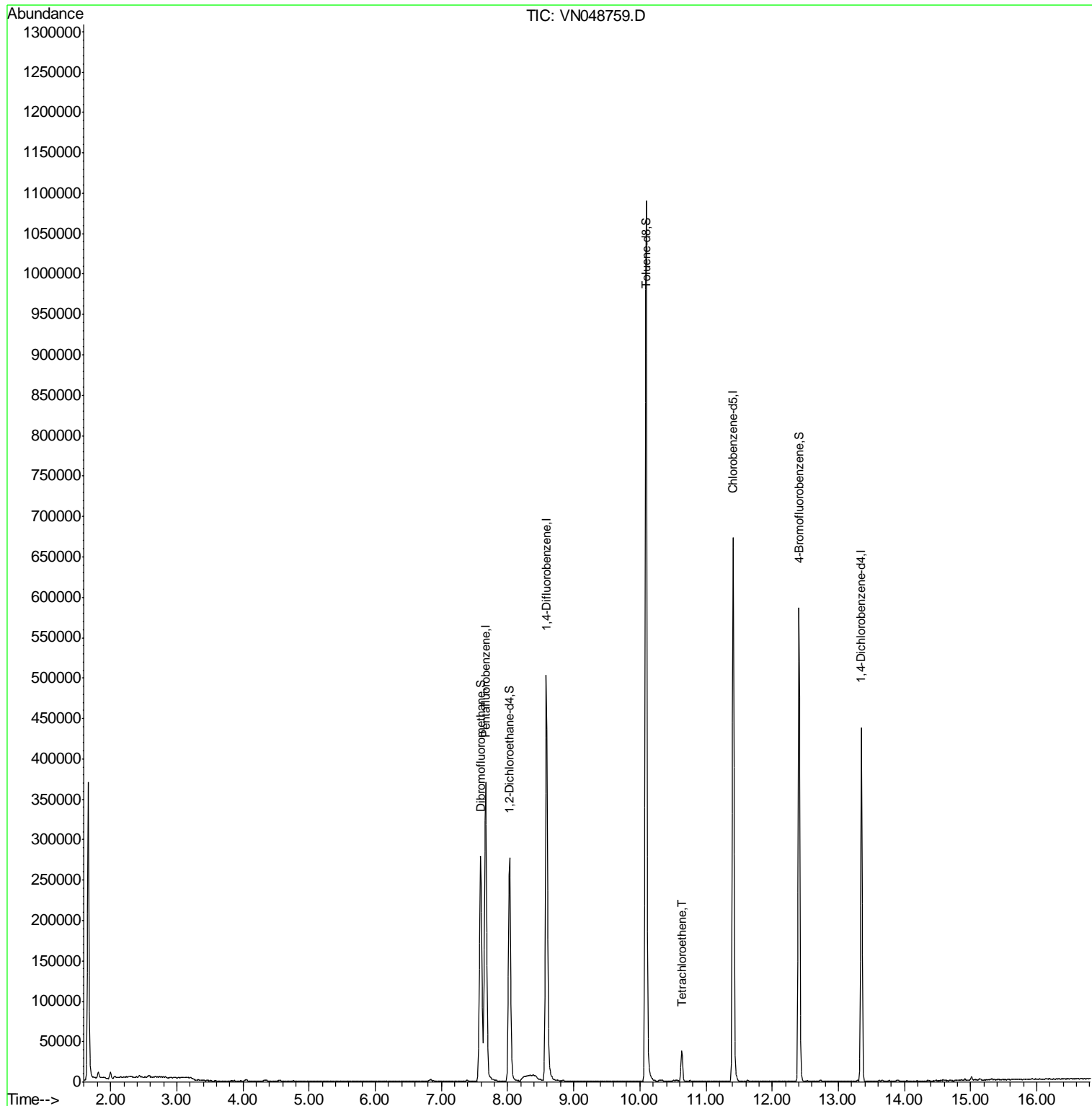
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	302987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	480162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	408246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	120326	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	237505	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
35) Dibromofluoromethane	7.59	113	219976	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
50) Toluene-d8	10.09	98	785381	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.41	95	207947	40.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.16%	
Target Compounds						
64) Tetrachloroethene	10.63	164	9471	2.29	ug/l	Qvalue 97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

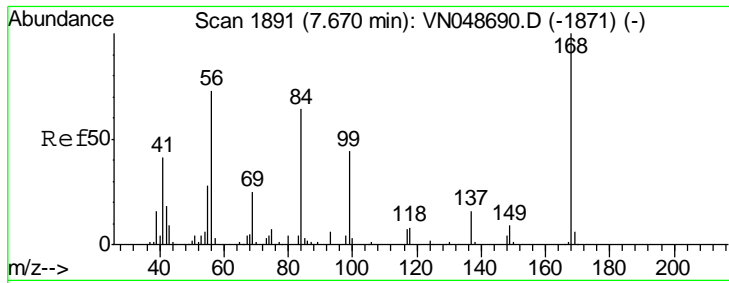
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048759.D
 Acq On : 31 May 2018 00:01
 Operator : MD\SY
 Sample : VN0530WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBL02

Quant Time: May 31 04:28:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



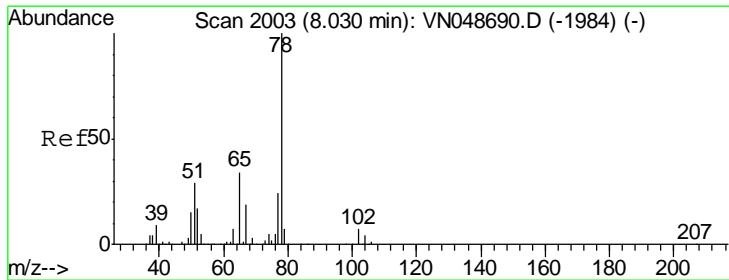
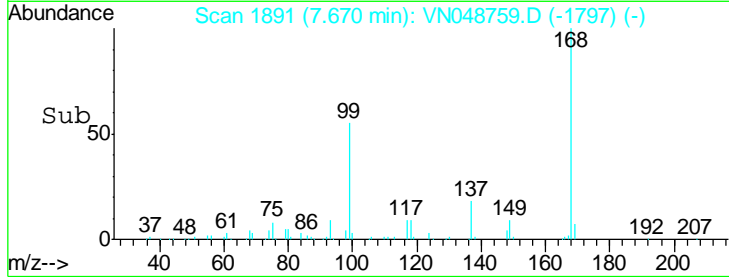
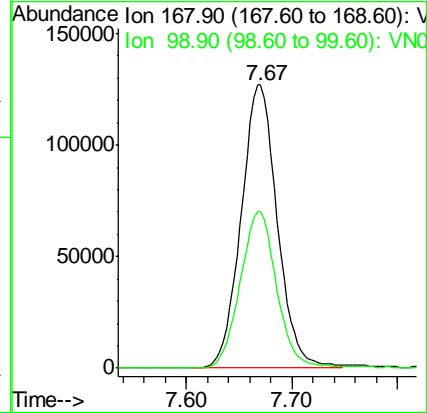
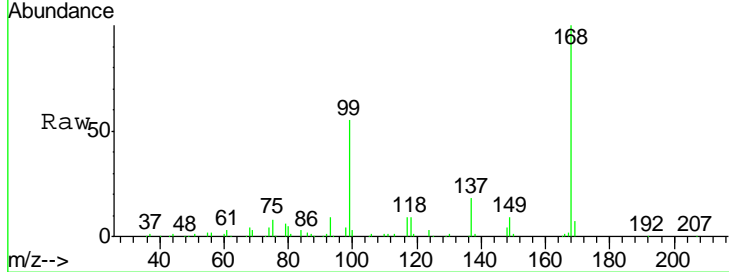
- 1
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- 15
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN048759.D
 Acq: 31 May 2018 00:01

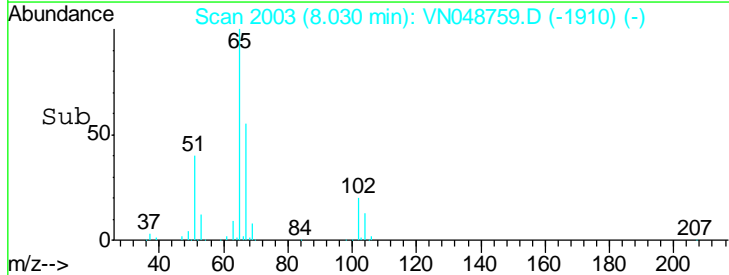
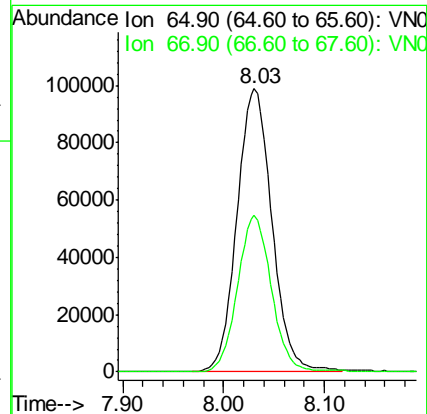
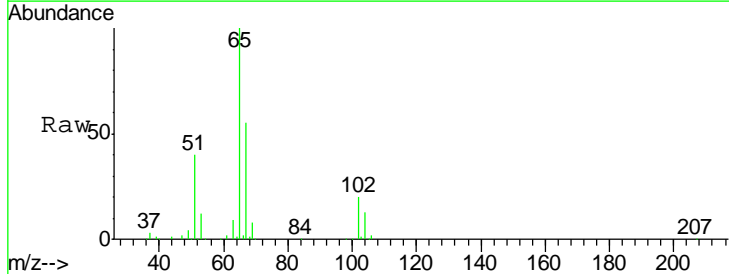
Instrument : MSVOA_N
 ClientSampled : VN0530WBL02

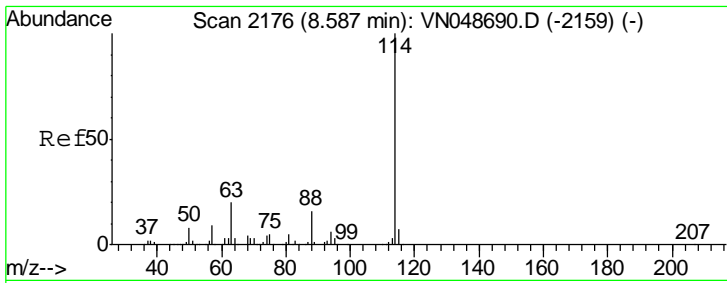
Tgt Ion	Resp	Lower	Upper
168	100		
99	55.3	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.94 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN048759.D
 Acq: 31 May 2018 00:01

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.8	0.0	108.4

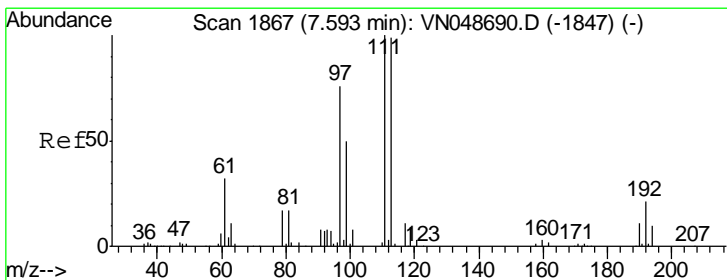
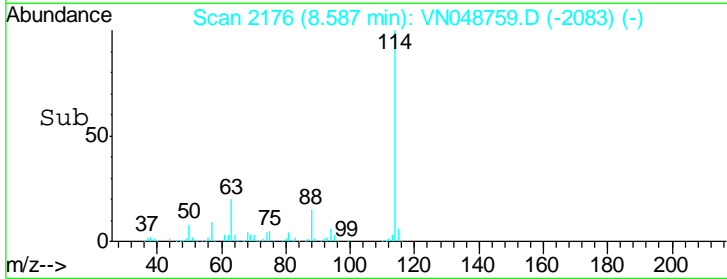
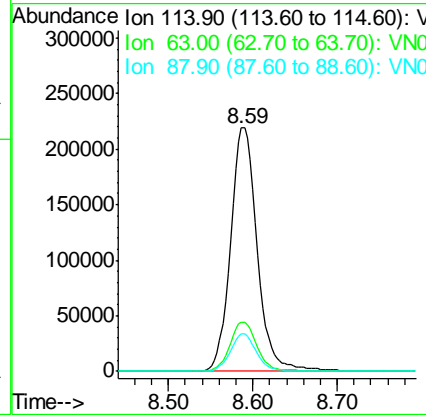
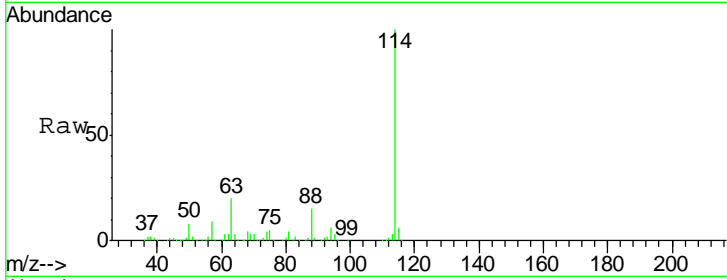




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048759.D
 Acq: 31 May 2018 00:01

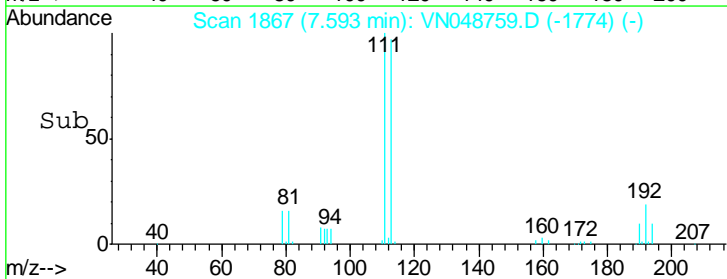
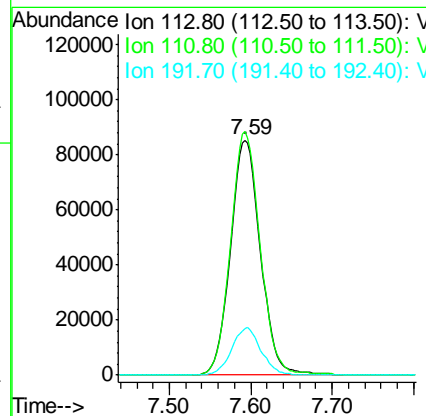
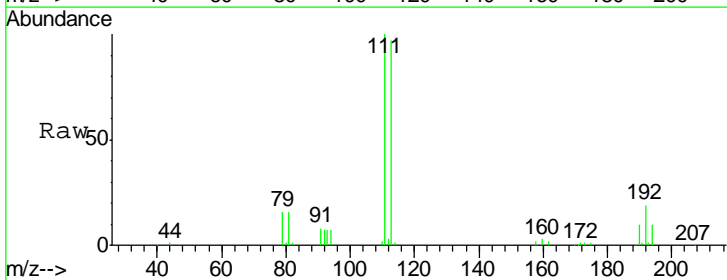
Instrument : MSVOA_N
 ClientSampleId : VN0530WBL02

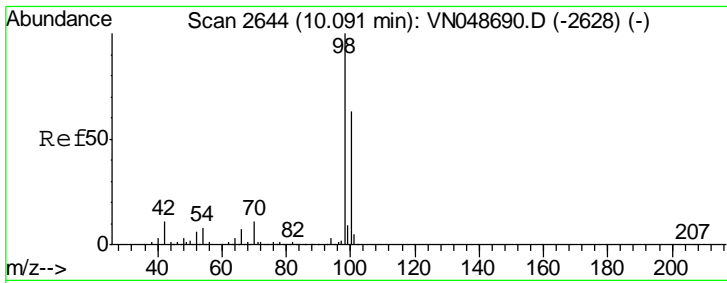
Tgt Ion	Resp	Lower	Upper
114	480162		
63	20.4	0.0	40.0
88	15.3	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 54.09 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN048759.D
 Acq: 31 May 2018 00:01

Tgt Ion	Resp	Lower	Upper
113	219976		
111	102.4	81.7	122.5
192	19.8	17.6	26.4

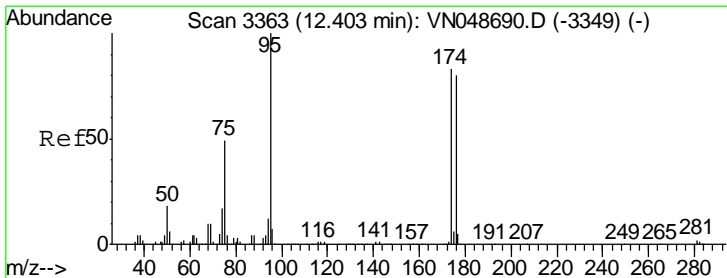
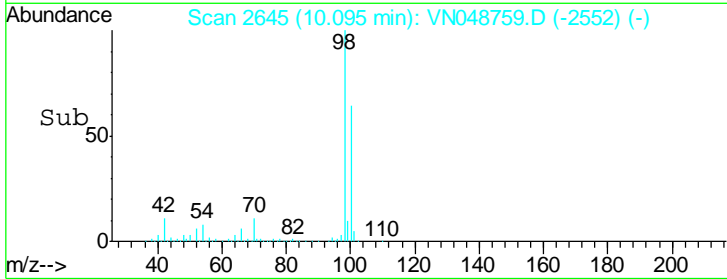
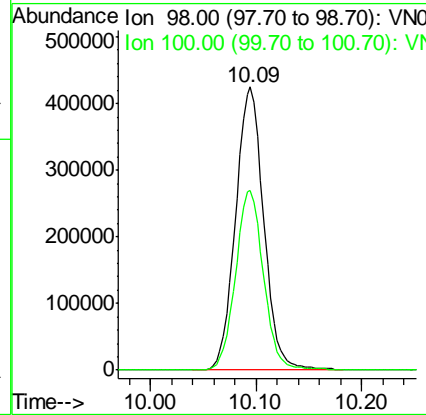
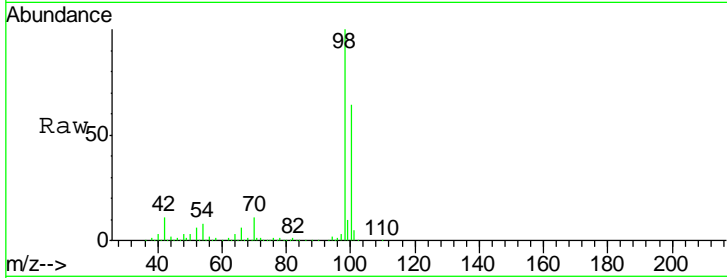




#50
 Toluene-d8
 Concen: 52.25 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN048759.D
 Acq: 31 May 2018 00:01

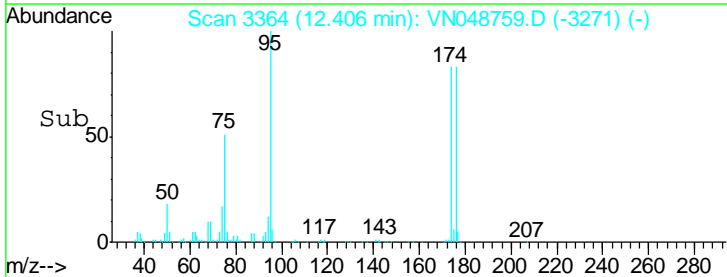
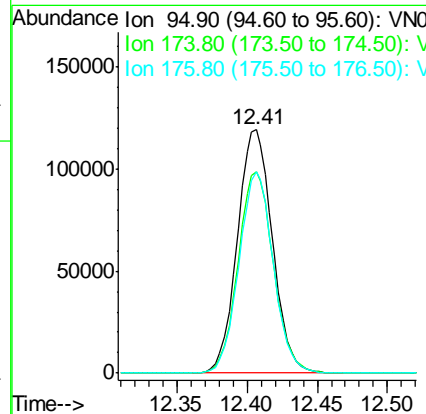
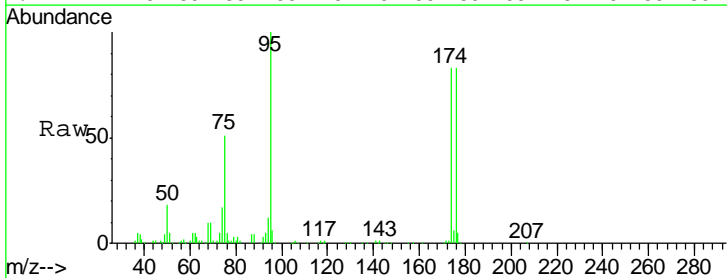
Instrument : MSVOA_N
 ClientSampled : VN0530WBL02

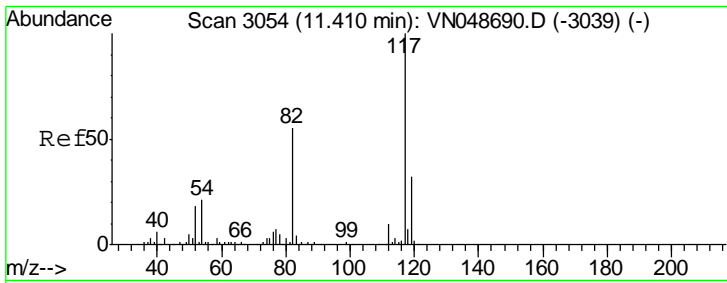
Tgt Ion	Resp	Lower	Upper
98	100		
100	63.2	51.2	76.8



#62
 4-Bromofluorobenzene
 Concen: 40.08 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN048759.D
 Acq: 31 May 2018 00:01

Tgt Ion	Resp	Lower	Upper
95	100		
174	83.0	0.0	173.8
176	80.9	0.0	170.0

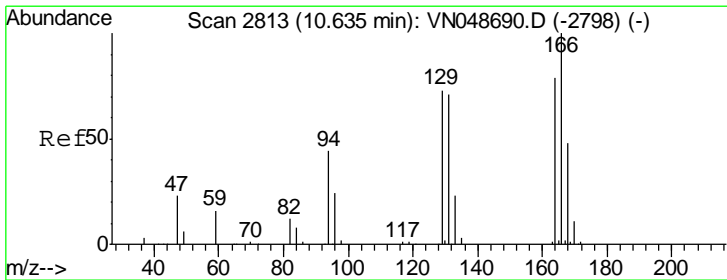
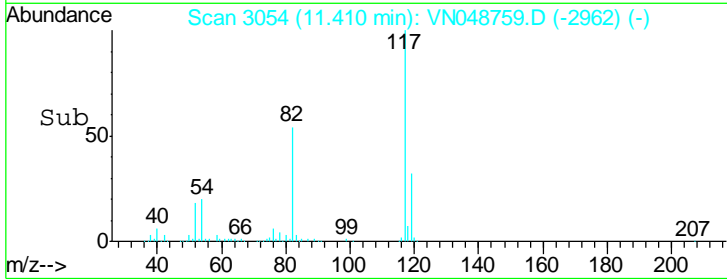
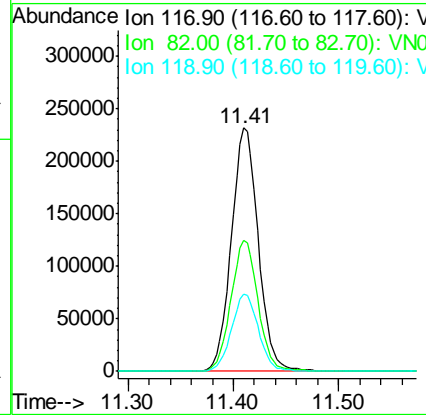
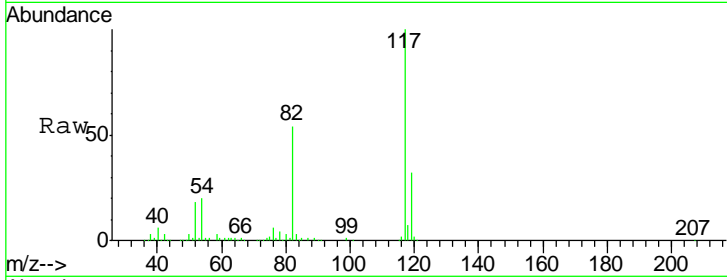




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048759.D
 Acq: 31 May 2018 00:01

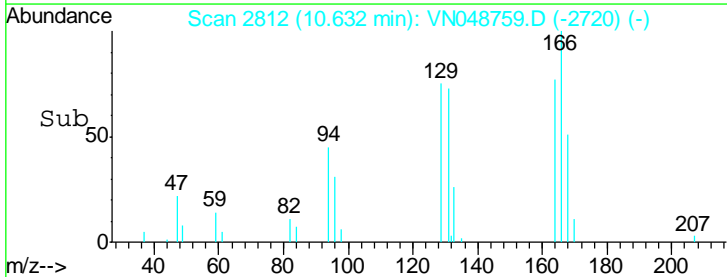
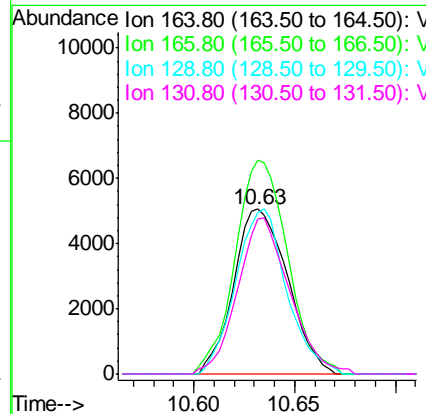
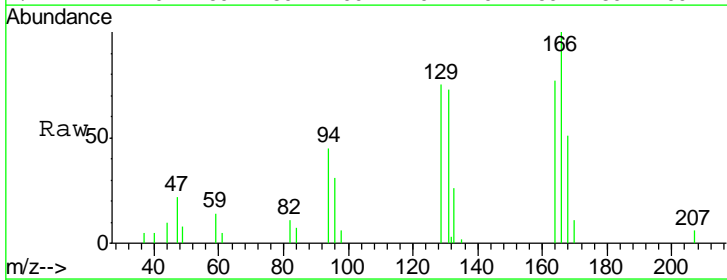
Instrument : MSVOA_N
 ClientSampled : VN0530WBL02

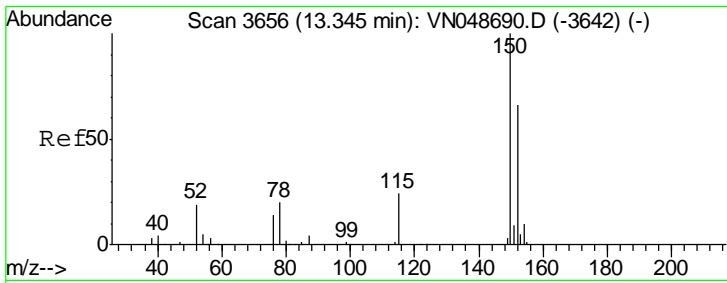
Tgt Ion	Resp	Lower	Upper
117	408246		
82	53.6	42.8	64.2
119	31.7	26.0	39.0



#64
 Tetrachloroethene
 Concen: 2.29 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN048759.D
 Acq: 31 May 2018 00:01

Tgt Ion	Resp	Lower	Upper
164	9471		
166	129.6	102.7	154.1
129	97.6	74.3	111.5
131	94.2	71.4	107.0

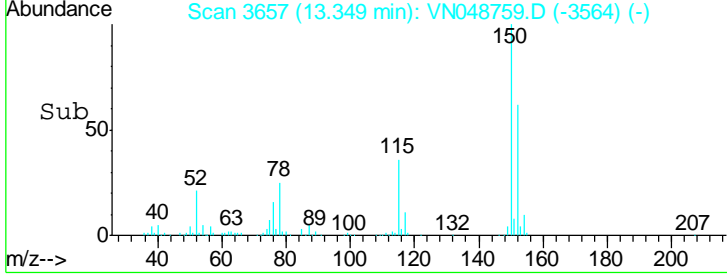
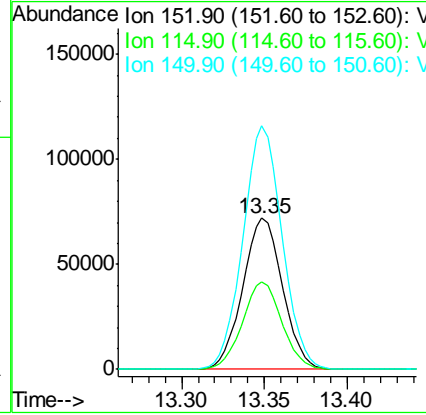
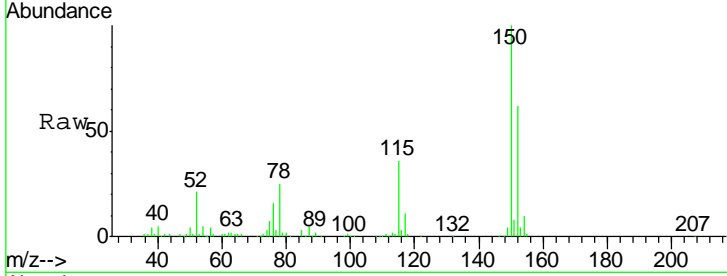




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048759.D
 Acq: 31 May 2018 00:01

Instrument : MSVOA_N
 ClientSampleId : VN0530WBL02

Tot Ion	Resp	Lower	Upper
152	120326		
152	100		
115	57.2	28.1	84.4
150	158.3	0.0	353.0



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Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048759.D
 Acq On : 31 May 2018 00:01
 Operator : MD\SY
 Sample : VN0530WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBL02

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.661	4	22	43	rBV	368889	581415	28.72%	6.521%
2	7.593	1848	1867	1878	rBV2	278966	695462	34.35%	7.801%
3	7.670	1879	1891	1920	rVB	368023	869534	42.95%	9.753%
4	8.030	1982	2003	2023	rBV	276464	655806	32.39%	7.356%
5	8.587	2160	2176	2201	rBV	501520	1095511	54.11%	12.288%
6	10.095	2629	2645	2671	rBV	1089630	2024514	100.00%	22.708%
7	10.635	2802	2813	2827	rVB3	37684	68248	3.37%	0.765%
8	11.410	3038	3054	3080	rBV	672512	1190460	58.80%	13.353%
9	12.406	3343	3364	3385	rBV	585800	1010238	49.90%	11.331%
10	13.349	3644	3657	3674	rVB	437589	724396	35.78%	8.125%

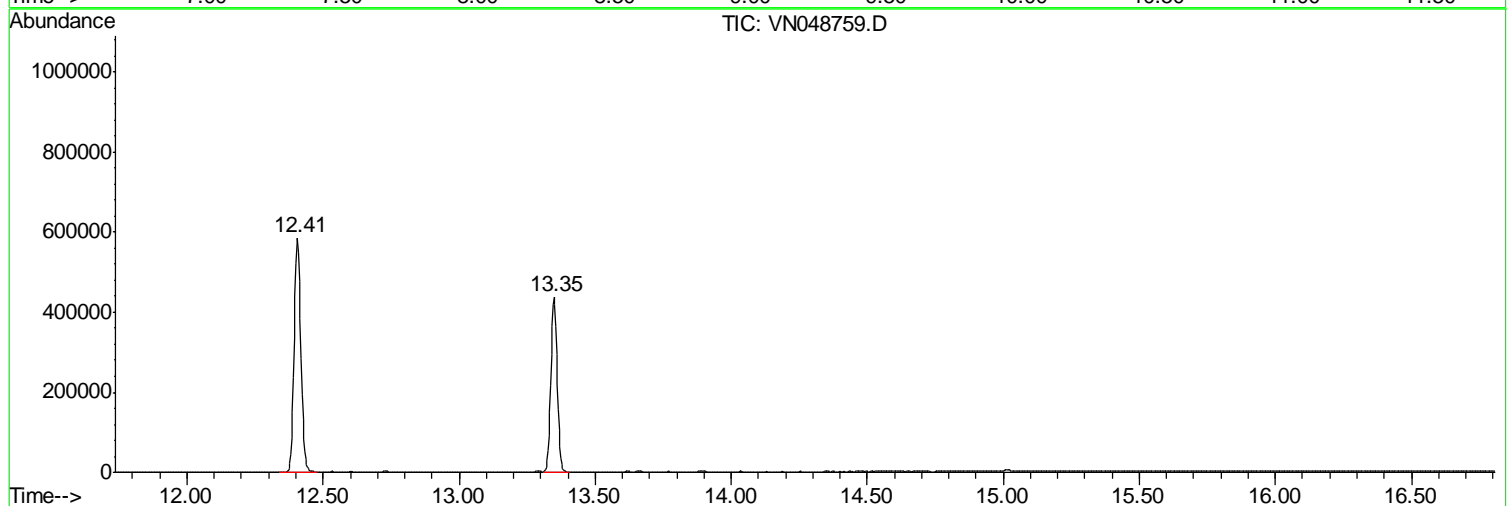
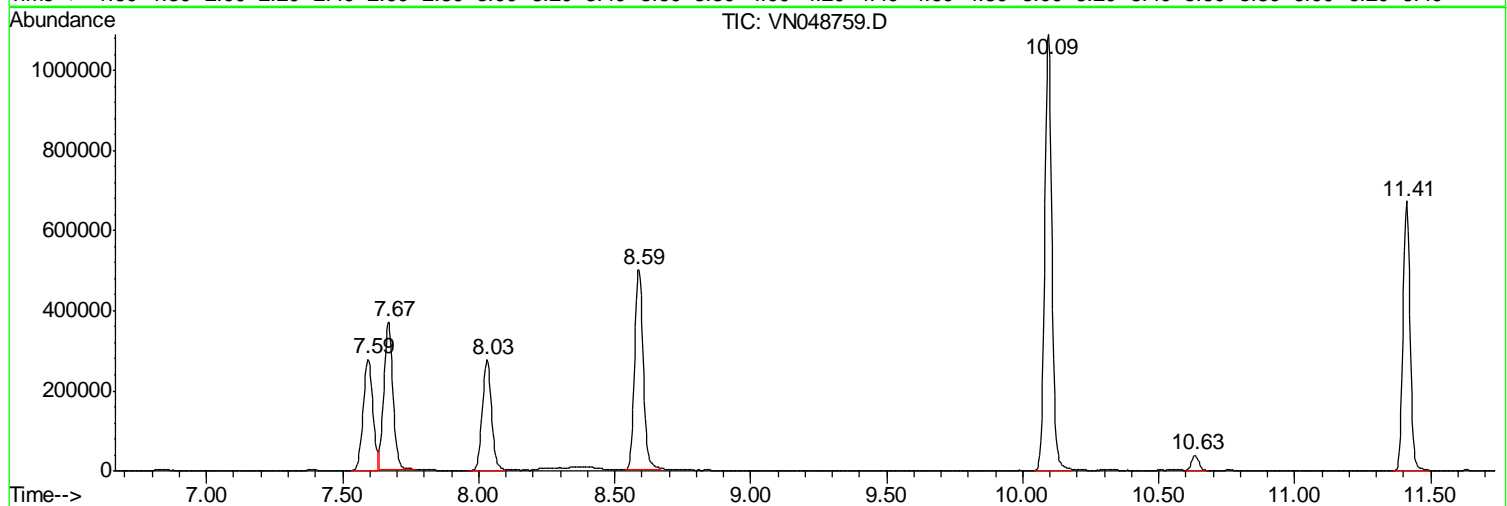
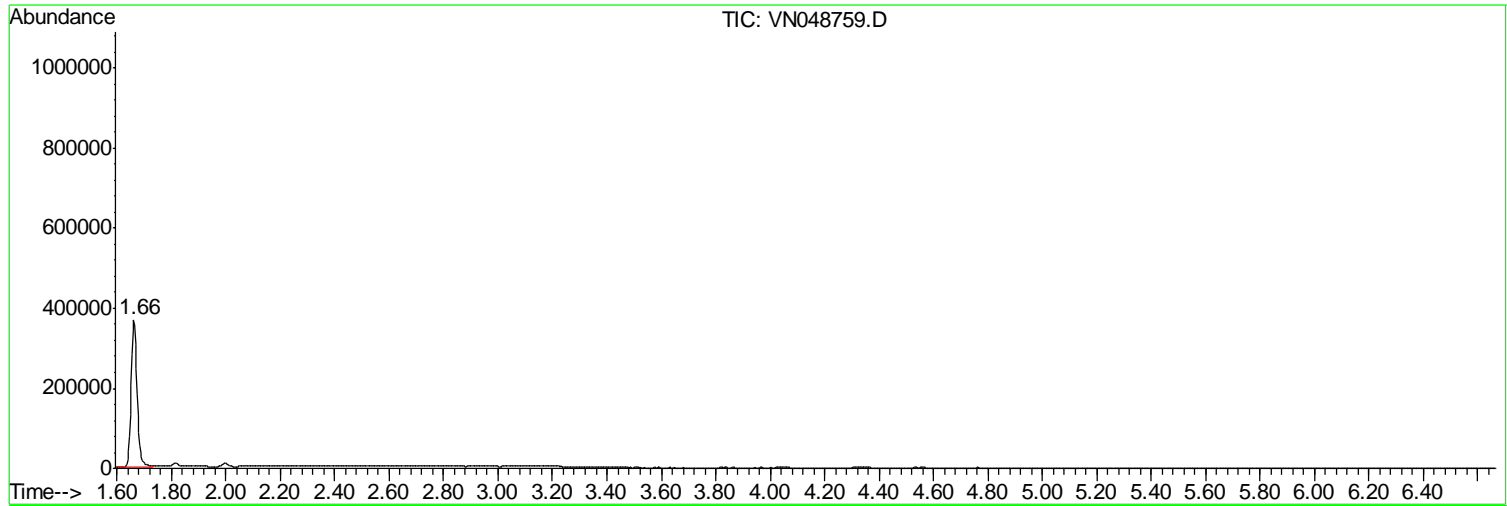
Sum of corrected areas: 8915584

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
Data File : VN048759.D
Acq On : 31 May 2018 00:01
Operator : MD\SY
Sample : VN0530WBL02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
VN0530WBL02

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
Data File : VN048759.D
Acq On : 31 May 2018 00:01
Operator : MD\SY
Sample : VN0530WBL02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBL02

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053018\
 Data File : VN048759.D
 Acq On : 31 May 2018 00:01
 Operator : MD\SY
 Sample : VN0530WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBL02

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0531WBL01	SDG No.:	J3131
Lab Sample ID:	VN0531WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048785.D	1		05/31/18 11:54	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0531WBL01	SDG No.:	J3131
Lab Sample ID:	VN0531WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048785.D	1		05/31/18 11:54	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.9		61 - 141		108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		69 - 133		108%	SPK: 50
2037-26-5	Toluene-d8	53.3		65 - 126		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.9		58 - 135		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	320574	7.67				
540-36-3	1,4-Difluorobenzene	508543	8.59				
3114-55-4	Chlorobenzene-d5	430932	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	141076	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0531WBL01	SDG No.:	J3131
Lab Sample ID:	VN0531WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048785.D	1		05/31/18 11:54	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048785.D
 Acq On : 31 May 2018 11:54
 Operator : MD\SY
 Sample : VN0531WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBL01

Quant Time: May 31 13:42:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	320574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	508543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	430932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	141076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	251222	53.92	ug/l	0.00
Spiked Amount			50.000	Recovery =		107.84%
35) Dibromofluoromethane	7.59	113	231886	53.84	ug/l	0.00
Spiked Amount			50.000	Recovery =		107.68%
50) Toluene-d8	10.09	98	847706	53.25	ug/l	0.00
Spiked Amount			50.000	Recovery =		106.50%
62) 4-Bromofluorobenzene	12.40	95	230461	41.94	ug/l	0.00
Spiked Amount			50.000	Recovery =		83.88%

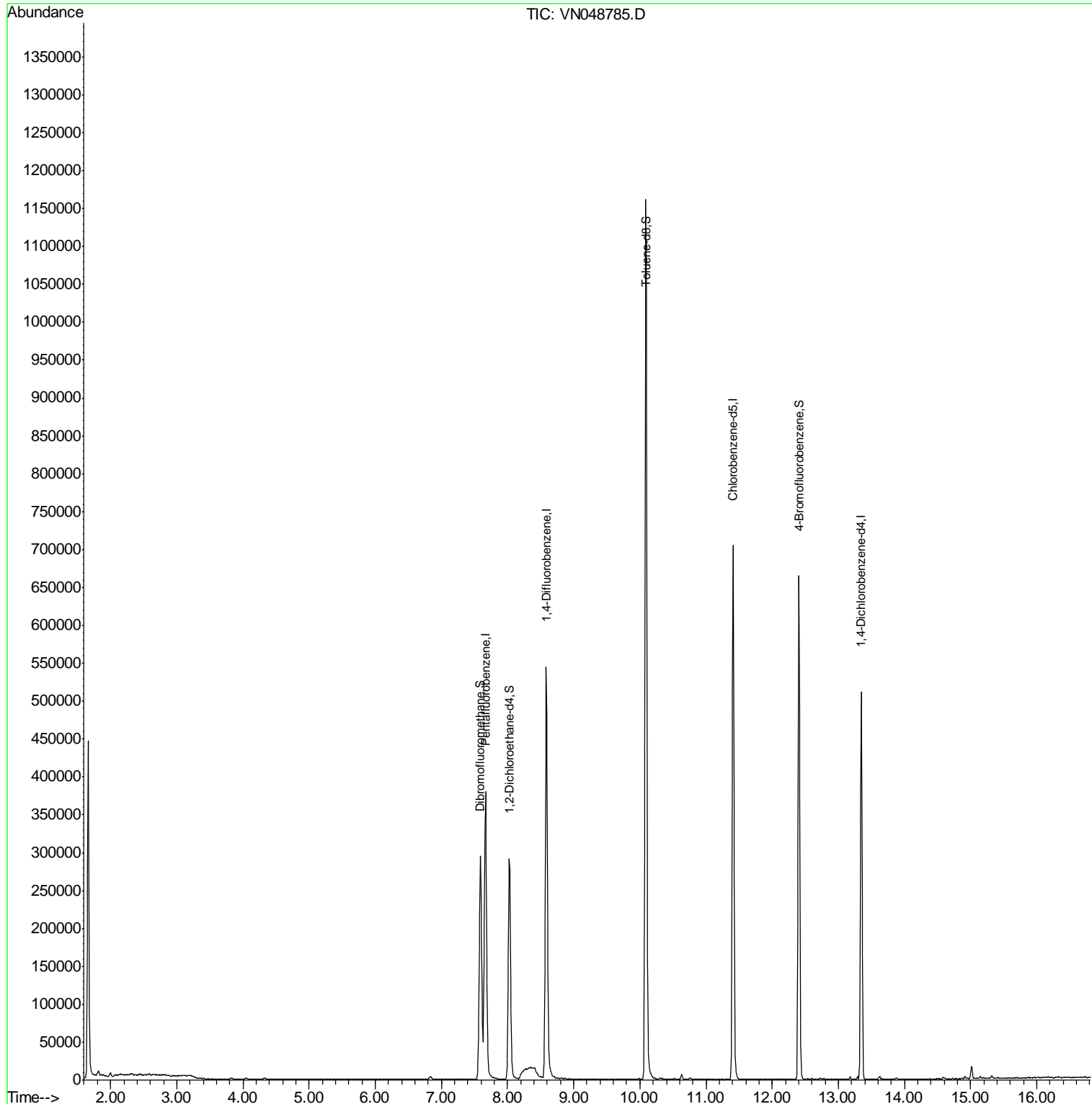
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

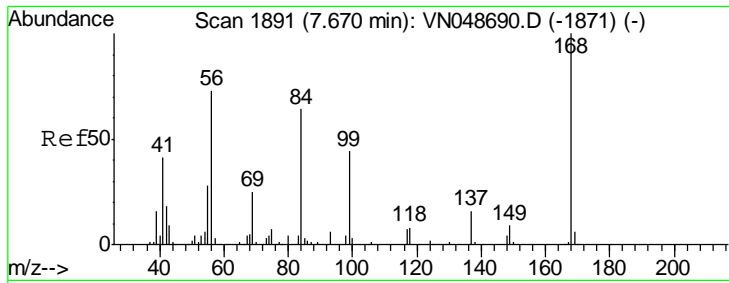
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048785.D
 Acq On : 31 May 2018 11:54
 Operator : MD\SY
 Sample : VN0531WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBL01

Quant Time: May 31 13:42:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



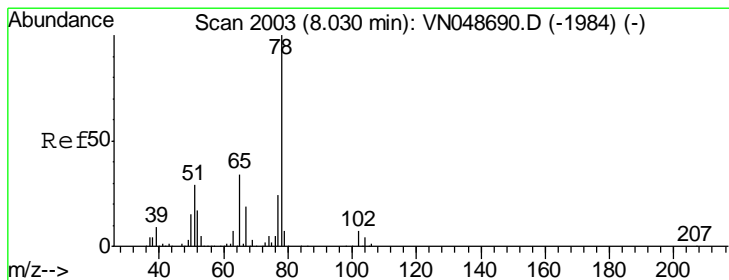
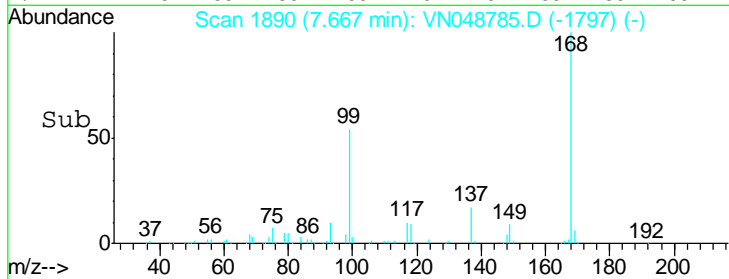
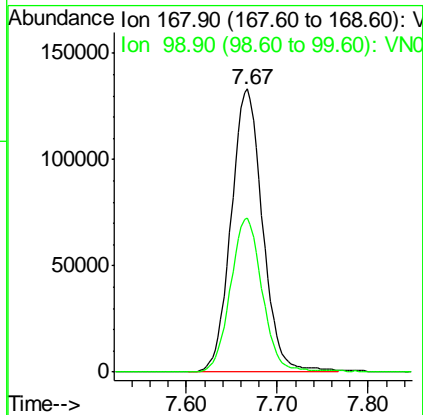
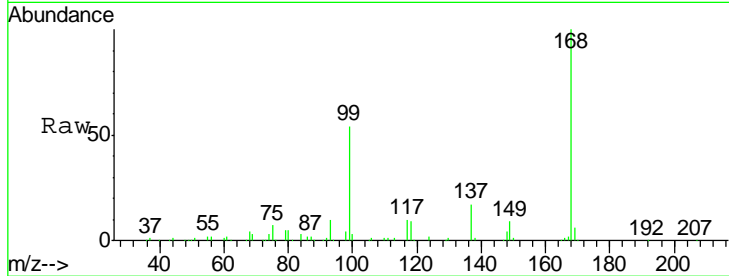
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048785.D
 Acq: 31 May 2018 11:54

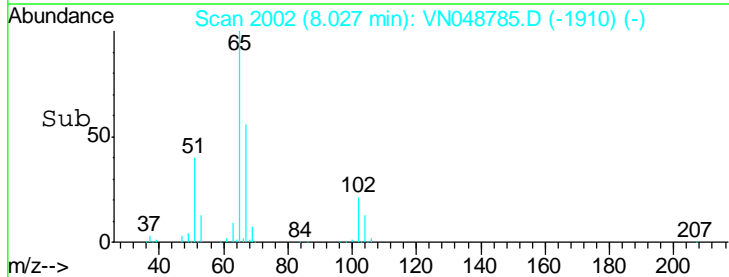
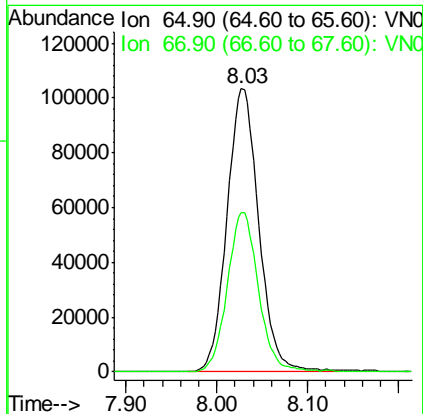
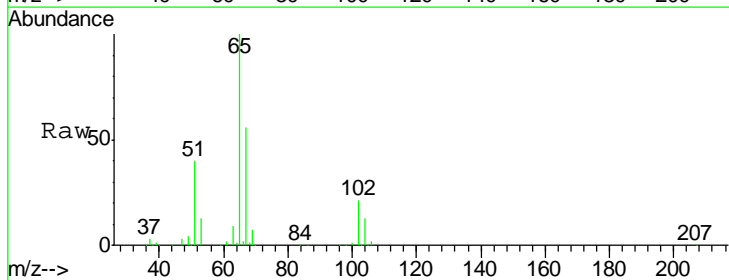
Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBL01

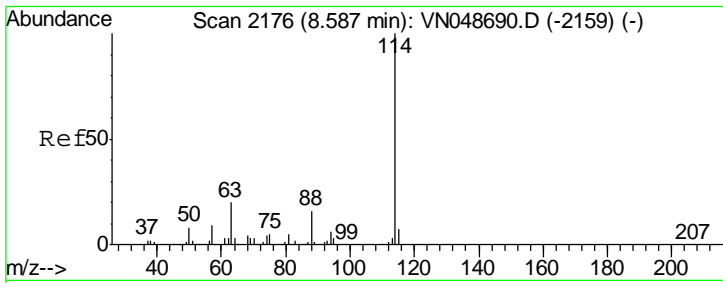
Tgt Ion	Resp	Lower	Upper
168	100		
99	54.3	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.92 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN048785.D
 Acq: 31 May 2018 11:54

Tgt Ion	Resp	Lower	Upper
65	100		
67	55.1	0.0	108.4

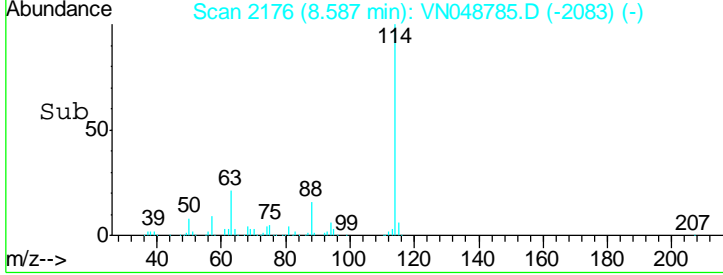
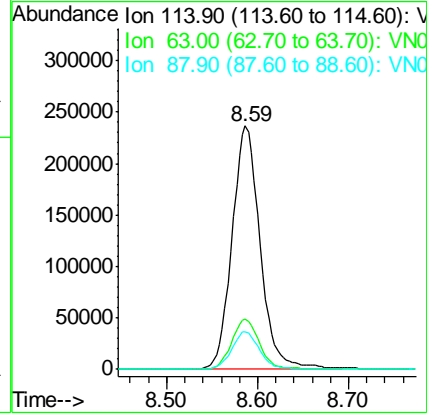
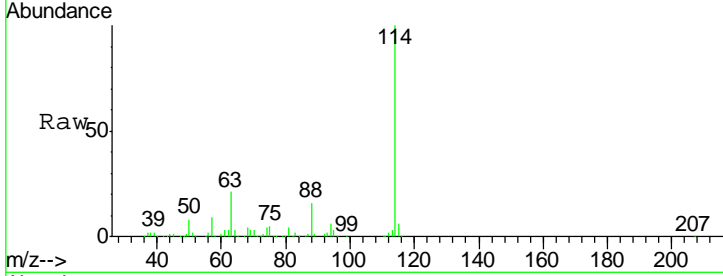




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048785.D
 Acq: 31 May 2018 11:54

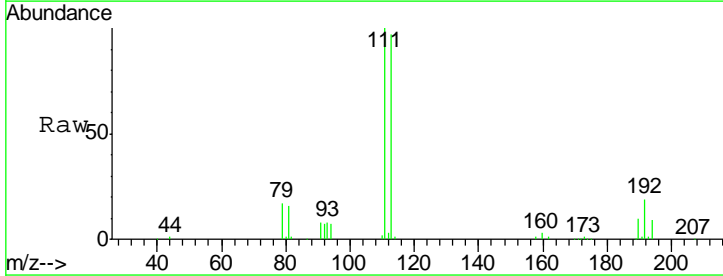
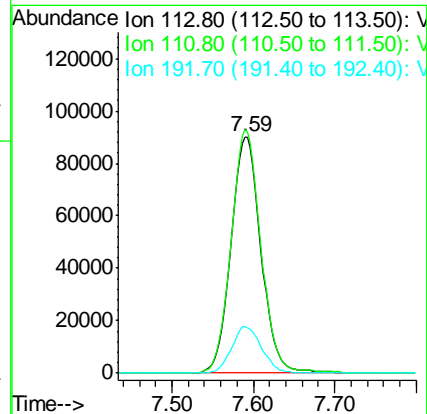
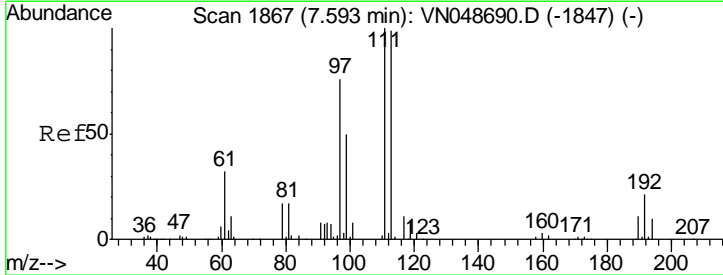
Instrument : MSVOA_N
 ClientSampled : VN0531WBL01

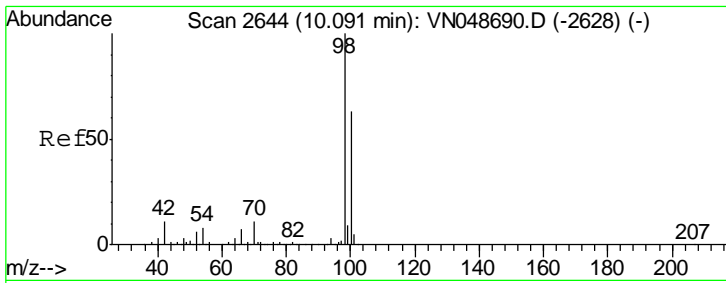
Tgt Ion	Resp	Lower	Upper
114	508543		
63	20.5	0.0	40.0
88	15.5	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 53.84 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN048785.D
 Acq: 31 May 2018 11:54

Tgt Ion	Resp	Lower	Upper
113	231886		
111	102.5	81.7	122.5
192	19.7	17.6	26.4

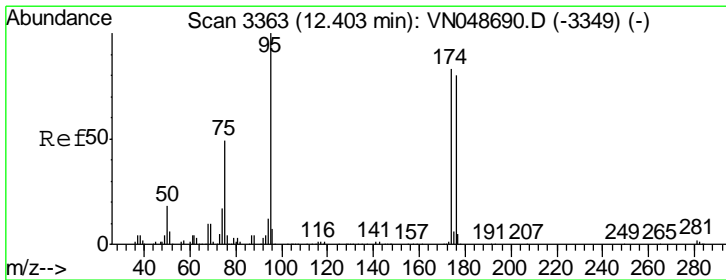
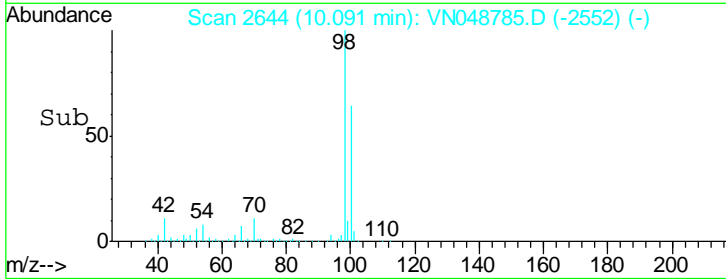
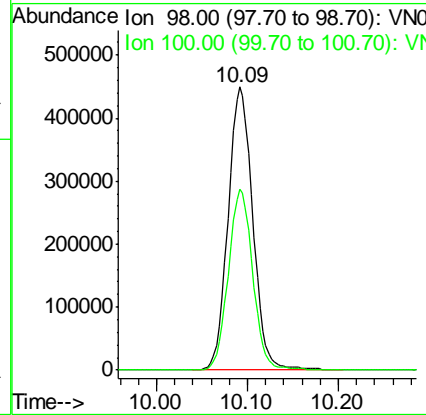
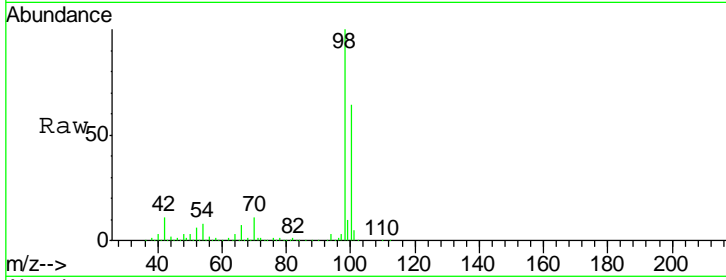




#50
 Toluene-d8
 Concen: 53.25 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048785.D
 Acq: 31 May 2018 11:54

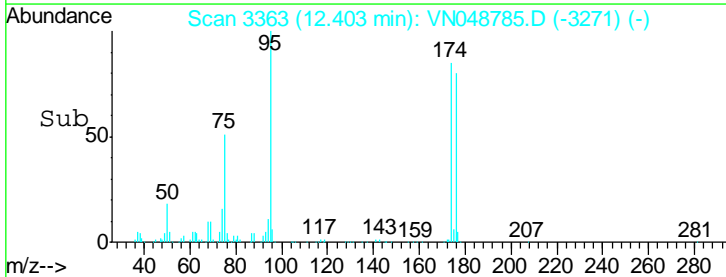
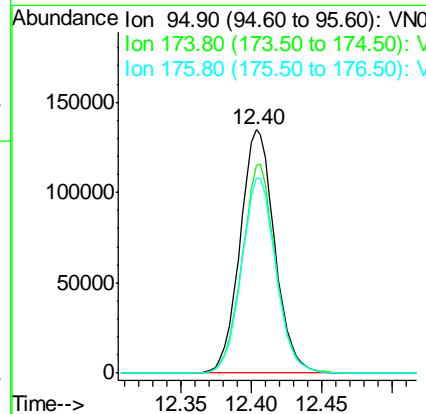
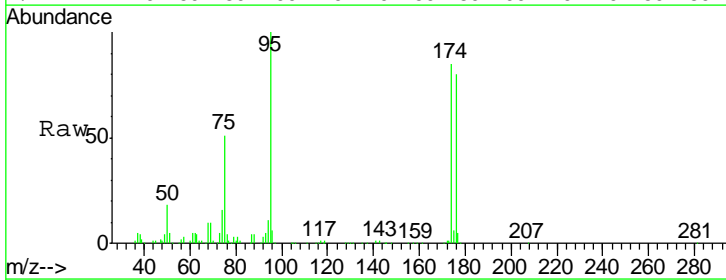
Instrument : MSVOA_N
 ClientSampled : VN0531WBL01

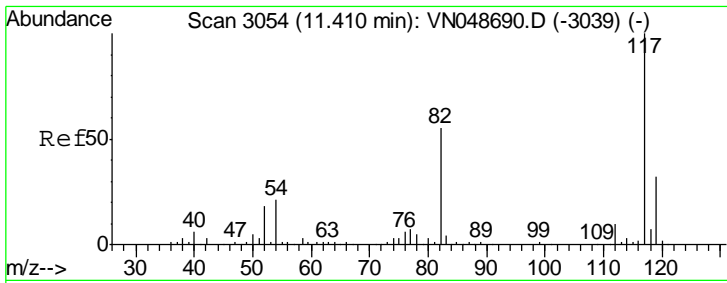
Tgt Ion	Resp	Lower	Upper
98	847706		
100	63.3	51.2	76.8



#62
 4-Bromofluorobenzene
 Concen: 41.94 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048785.D
 Acq: 31 May 2018 11:54

Tgt Ion	Resp	Lower	Upper
95	230461		
174	83.8	0.0	173.8
176	80.0	0.0	170.0

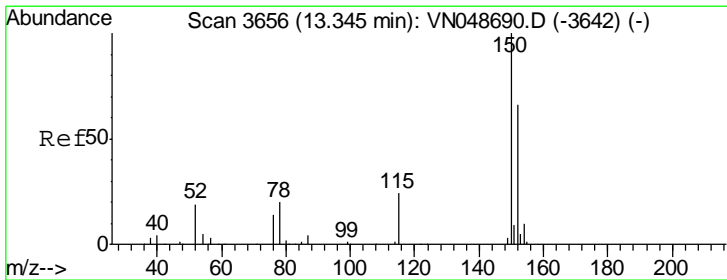
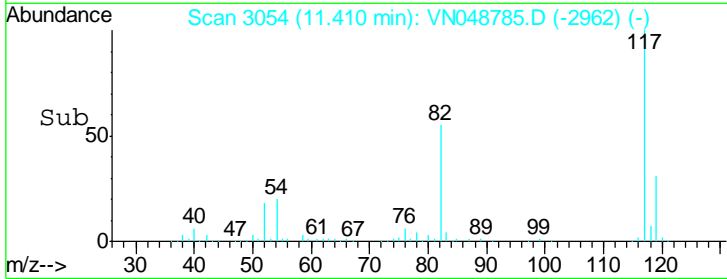
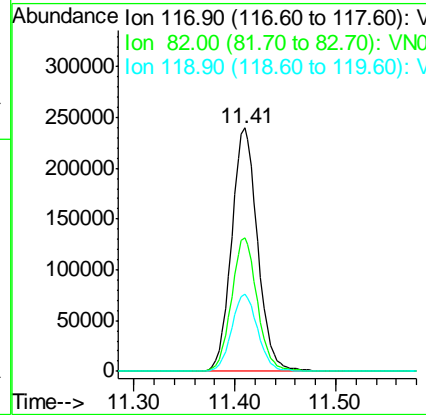
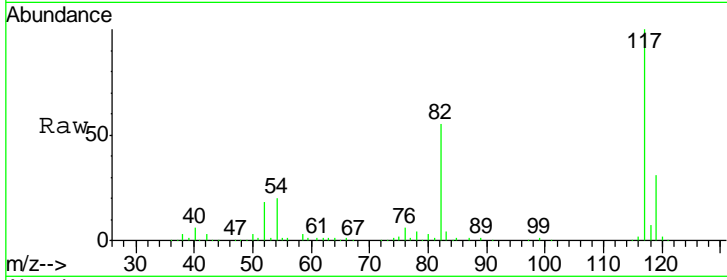




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048785.D
 Acq: 31 May 2018 11:54

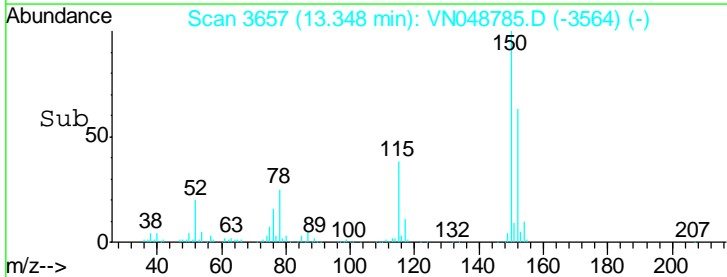
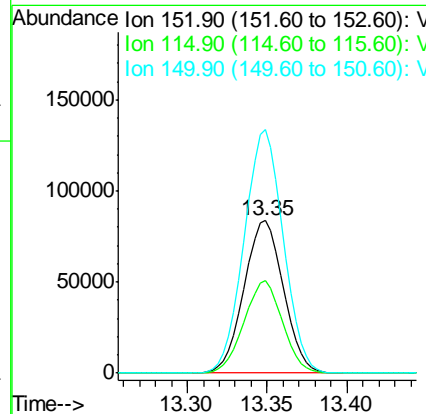
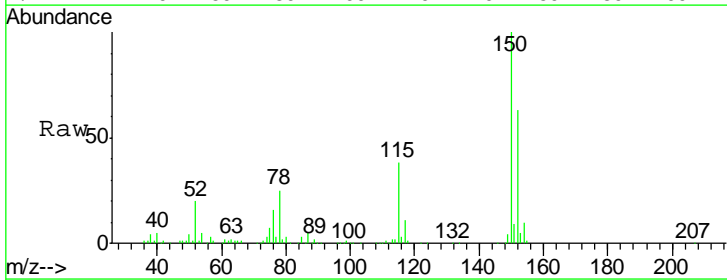
Instrument : MSVOA_N
 ClientSampled : VN0531WBL01

Tgt Ion	Resp	Lower	Upper
117	430932		
82	55.1	42.8	64.2
119	31.5	26.0	39.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048785.D
 Acq: 31 May 2018 11:54

Tgt Ion	Resp	Lower	Upper
152	141076		
115	59.1	28.1	84.4
150	158.4	0.0	353.0



Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048785.D
 Acq On : 31 May 2018 11:54
 Operator : MD\SY
 Sample : VN0531WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBL01

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.661	10	22	47	rBV	444375	691926	31.58%	7.145%
2	7.590	1847	1866	1878	rBV2	294139	741320	33.83%	7.655%
3	7.667	1878	1890	1912	rVB	375719	903152	41.22%	9.327%
4	8.027	1985	2002	2036	rBV	291707	705798	32.21%	7.289%
5	8.587	2159	2176	2207	rBV	542285	1163130	53.08%	12.011%
6	10.091	2628	2644	2673	rBV	1161216	2191141	100.00%	22.627%
7	11.410	3039	3054	3081	rBV	705222	1271547	58.03%	13.131%
8	12.403	3348	3363	3382	rBV	665173	1129436	51.55%	11.663%
9	13.348	3644	3657	3672	rVB	511302	861086	39.30%	8.892%
10	15.014	4166	4175	4183	rBV7	16716	25082	1.14%	0.259%

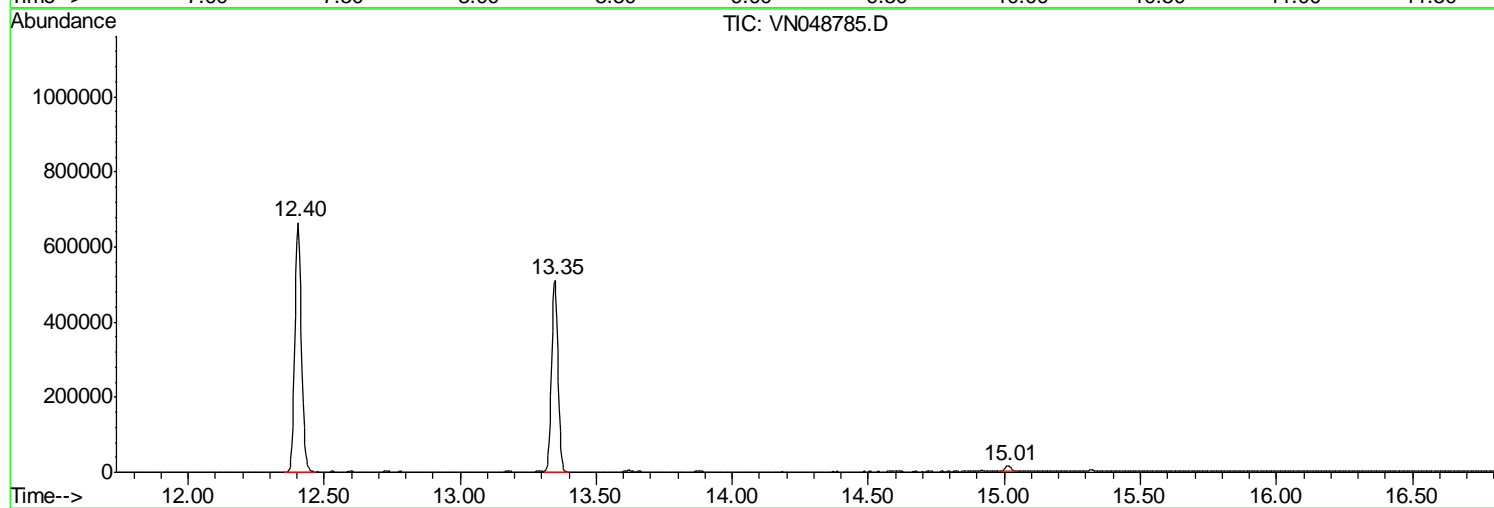
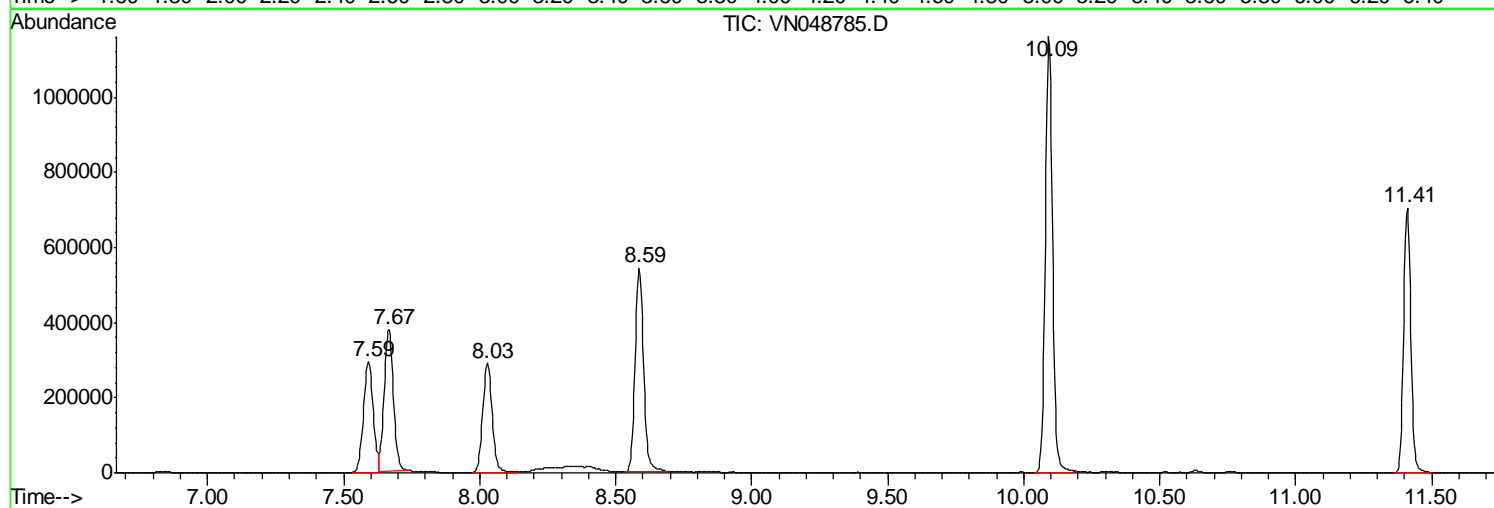
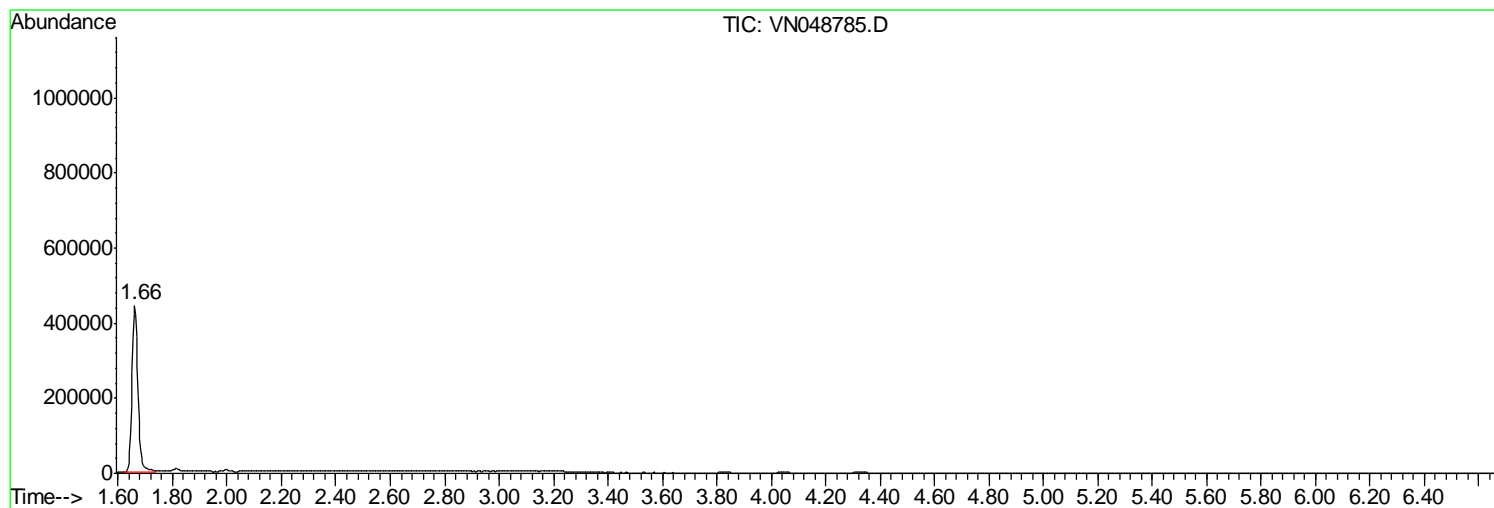
Sum of corrected areas: 9683618

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
Data File : VN048785.D
Acq On : 31 May 2018 11:54
Operator : MD\SY
Sample : VN0531WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
VN0531WBL01

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053118\
Data File : VN048785.D
Acq On : 31 May 2018 11:54
Operator : MD\SY
Sample : VN0531WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBL01

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN053118\
 Data File : VN048785.D
 Acq On : 31 May 2018 11:54
 Operator : MD\SY
 Sample : VN0531WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBL01

Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0530WBS01	SDG No.:	J3131
Lab Sample ID:	VN0530WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048740.D	1		05/30/18 15:00	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.5		0.2	0.2	1	ug/L
74-87-3	Chloromethane	17.4		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	18.4		0.2	0.2	1	ug/L
74-83-9	Bromomethane	21.3		0.2	0.2	1	ug/L
75-00-3	Chloroethane	19.8		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	18.5		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.2	0.2	1	ug/L
67-64-1	Acetone	91.3		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	17.5		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	20.1		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	20.8		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	18.8		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	18.9		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	19		0.2	0.2	1	ug/L
78-93-3	2-Butanone	94.4		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	19.7		0.2	0.5	1	ug/L
67-66-3	Chloroform	19.1		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	19.1		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	19.7		0.2	0.2	1	ug/L
71-43-2	Benzene	19.6		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	19.3		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	19.8		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	20.2		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	19.2		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	98.6		1	1	5	ug/L
108-88-3	Toluene	19.9		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	18.5		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0530WBS01	SDG No.:	J3131
Lab Sample ID:	VN0530WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048740.D	1		05/30/18 15:00	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.6		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	96		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	19.3		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	19.2		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	20.8		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	20		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	19.9		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	40.6		0.4	0.4	2	ug/L
95-47-6	o-Xylene	20.5		0.2	0.2	1	ug/L
100-42-5	Styrene	20.2		0.2	0.2	1	ug/L
75-25-2	Bromoform	19.6		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	21.2		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.3		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	20.4		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	20.7		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	20.6		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.8		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.7		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.2		61 - 141		90%	SPK: 50
1868-53-7	Dibromofluoromethane	49		69 - 133		98%	SPK: 50
2037-26-5	Toluene-d8	47.8		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		58 - 135		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	390008	7.67				
540-36-3	1,4-Difluorobenzene	573904	8.59				
3114-55-4	Chlorobenzene-d5	510707	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	269420	13.35				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0530WBS01	SDG No.:	J3131
Lab Sample ID:	VN0530WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048740.D	1		05/30/18 15:00	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048740.D
 Acq On : 30 May 2018 15:00
 Operator : MD\SY
 Sample : VN0530WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VN0530WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:03 PM

Quant Time: May 31 03:11:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	390008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	573904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	510707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	269420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	256000	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
35) Dibromofluoromethane	7.59	113	237980	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	10.09	98	858022	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	12.40	95	292154	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	84598	17.45	ug/l	96
3) Chloromethane	2.06	50	117212	17.37	ug/l	100
4) Vinyl Chloride	2.18	62	113651	18.43	ug/l	98
5) Bromomethane	2.57	94	68190	21.30	ug/l	97
6) Chloroethane	2.70	64	69237	19.82	ug/l	96
7) Trichlorofluoromethane	3.01	101	153738	18.49	ug/l	98
8) Diethyl Ether	3.41	74	63383	20.58	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	104800	19.65	ug/l	97
10) Methyl Iodide	3.95	142	142060	19.26	ug/l	99
11) Tert butyl alcohol	4.80	59	37922	96.82	ug/l	# 94
12) 1,1-Dichloroethene	3.73	96	94984	18.67	ug/l	96
13) Acrolein	3.61	56	51211	95.41	ug/l	98
14) Allyl chloride	4.32	41	171687	18.04	ug/l	98
15) Acrylonitrile	4.99	53	185346	100.68	ug/l	99
16) Acetone	3.82	43	134959	91.25	ug/l	97
17) Carbon Disulfide	4.05	76	290261	17.45	ug/l	99
18) Methyl Acetate	4.33	43	87510	20.75	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	279372	20.07	ug/l	97
20) Methylene Chloride	4.55	84	114547	18.81	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	104080	19.17	ug/l	100
22) Diisopropyl ether	5.96	45	350556	19.31	ug/l	98
23) Vinyl Acetate	5.90	43	1179419	95.57	ug/l	100
24) 1,1-Dichloroethane	5.85	63	201977	18.88	ug/l	99
25) 2-Butanone	6.84	43	204201	94.42	ug/l	99
26) 2,2-Dichloropropane	6.82	77	162386	18.23	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	121072	19.77	ug/l	99
28) Bromochloromethane	7.19	49	96200	19.71	ug/l	99
29) Tetrahydrofuran	7.22	42	138168	95.41	ug/l	98
30) Chloroform	7.37	83	196456	19.09	ug/l	100
31) Cyclohexane	7.65	56	186792	18.95	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	171014	19.08	ug/l	99
36) 1,1-Dichloropropene	7.79	75	150635	18.99	ug/l	99
37) Ethyl Acetate	6.94	43	92025	19.37	ug/l	100
38) Carbon Tetrachloride	7.77	117	151655	18.72	ug/l	99

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048740.D
 Acq On : 30 May 2018 15:00
 Operator : MD\SY
 Sample : VN0530WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:03 PM

Quant Time: May 31 03:11:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	169426	19.65	ug/l	99
40) Benzene	8.04	78	453936	19.62	ug/l	99
41) Methacrylonitrile	7.17	41	55631	21.16	ug/l	93
42) 1,2-Dichloroethane	8.13	62	139621	19.33	ug/l	97
43) Isopropyl Acetate	8.17	43	169992	19.40	ug/l #	90
44) Trichloroethene	8.84	130	118044	19.82	ug/l	97
45) 1,2-Dichloropropane	9.12	63	127010	20.16	ug/l	99
46) Dibromomethane	9.21	93	70469	19.95	ug/l	97
47) Bromodichloromethane	9.40	83	151475	19.17	ug/l	99
48) Methyl methacrylate	9.20	41	83308	19.68	ug/l	98
49) 1,4-Dioxane	9.20	88	20231	395.22	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	455134	98.60	ug/l	99
52) Toluene	10.16	92	272016	19.92	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	147153	18.52	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	178216	19.29	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	101132	20.62	ug/l	99
56) Ethyl methacrylate	10.43	69	130834	19.83	ug/l	97
57) 1,3-Dichloropropane	10.71	76	168242	19.53	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	211935	90.29	ug/l	99
59) 2-Hexanone	10.75	43	291992	95.95	ug/l	99
60) Dibromochloromethane	10.90	129	110952	19.30	ug/l	99
61) 1,2-Dibromoethane	11.01	107	92952	19.20	ug/l	98
64) Tetrachloroethene	10.63	164	107332	20.76	ug/l	99
65) Chlorobenzene	11.44	112	299183	20.00	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	112486	19.98	ug/l	99
67) Ethyl Benzene	11.51	91	516055	19.93	ug/l	100
68) m/p-Xylenes	11.63	106	396140	40.58	ug/l	98
69) o-Xylene	11.95	106	193316	20.53	ug/l	100
70) Styrene	11.97	104	298557	20.17	ug/l	99
71) Bromoform	12.13	173	71323	19.59	ug/l #	99
73) Isopropylbenzene	12.25	105	510919	21.21	ug/l	99
74) N-amyl acetate	12.07	43	141274	19.92	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	120632	20.34	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	98223m	21.11	ug/l	
77) Bromobenzene	12.53	156	126254	21.55	ug/l	96
78) n-propylbenzene	12.60	91	579994	20.96	ug/l	99
79) 2-Chlorotoluene	12.68	91	345218	20.80	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	411045	21.17	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32163	19.09	ug/l	98
82) 4-Chlorotoluene	12.78	91	339687	20.61	ug/l	99
83) tert-Butylbenzene	13.00	119	371232	21.50	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	418178	21.44	ug/l	99
85) sec-Butylbenzene	13.17	105	485699	21.21	ug/l	100
86) p-Isopropyltoluene	13.29	119	415350	21.26	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	210719	20.41	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	206987	20.66	ug/l	99
89) n-Butylbenzene	13.62	91	332728	20.27	ug/l	100
90) Hexachloroethane	13.88	117	78276	18.70	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	208150	20.61	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18143	20.61	ug/l	98

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048740.D
 Acq On : 30 May 2018 15:00
 Operator : MD\SY
 Sample : VN0530WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Manual Integrations
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 5/31/2018 3:07:03 PM

Quant Time: May 31 03:11:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	93564	19.76	ug/l	99
94) Hexachlorobutadiene	15.01	225	64230	19.79	ug/l	100
95) Naphthalene	15.14	128	205491	20.38	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	99362	20.66	ug/l	99

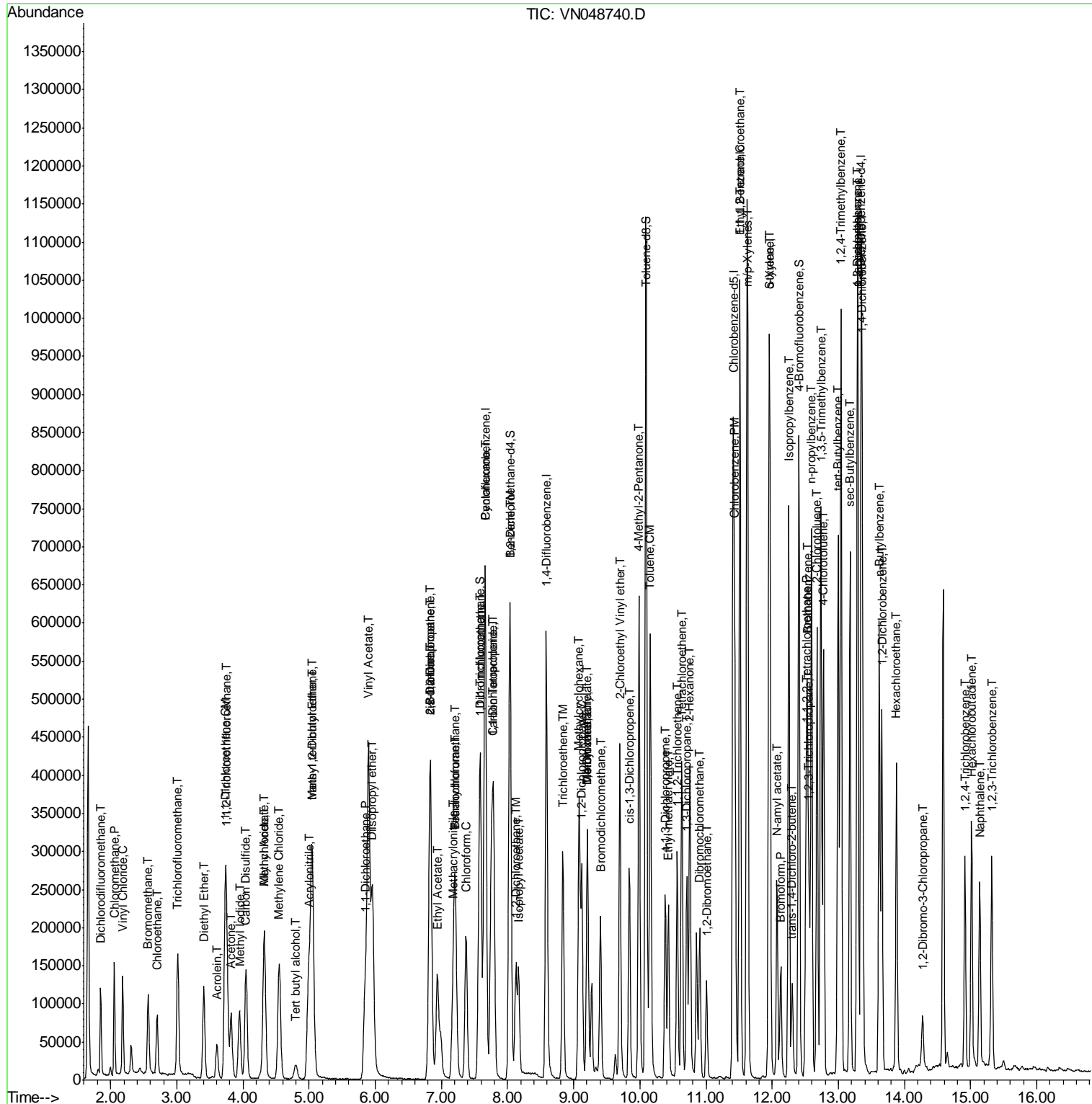
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048740.D
 Acq On : 30 May 2018 15:00
 Operator : MD\SY
 Sample : VN0530WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

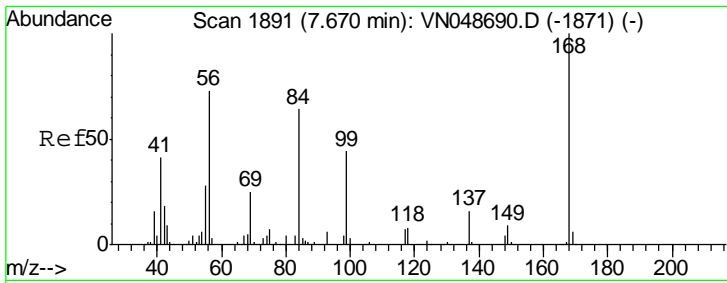
Instrument :
 MSVOA_N
 Client Sampled :
 VN0530WBS01

Manual Integrations
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 5/31/2018 3:07:03 PM

Quant Time: May 31 03:11:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



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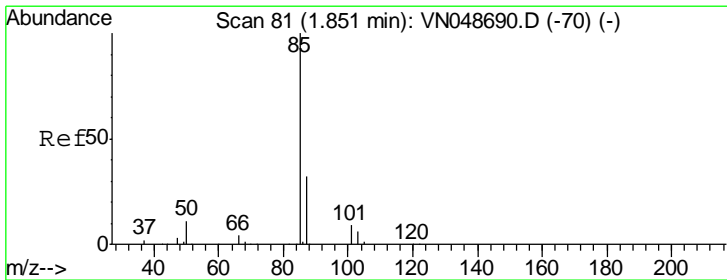
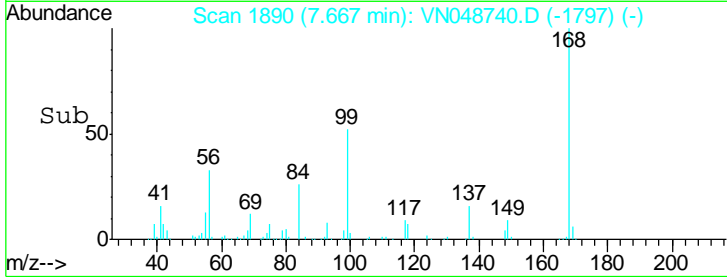
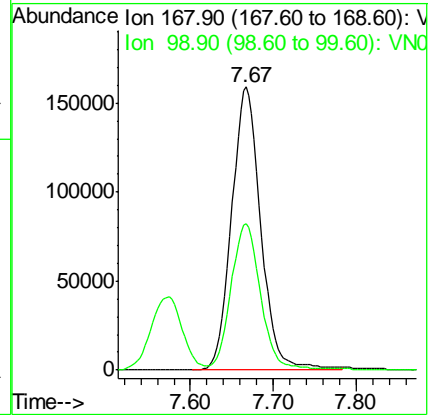
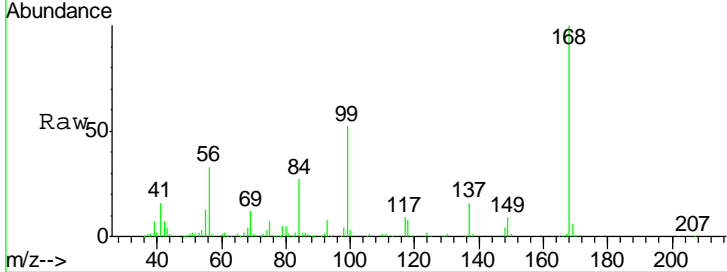


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS01

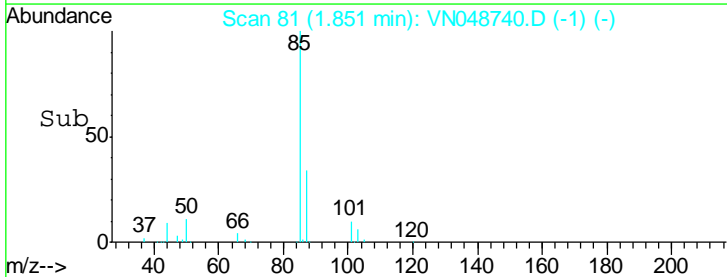
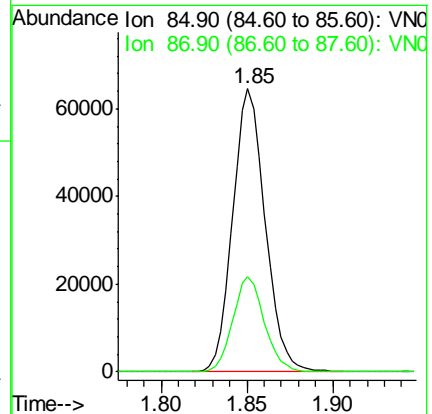
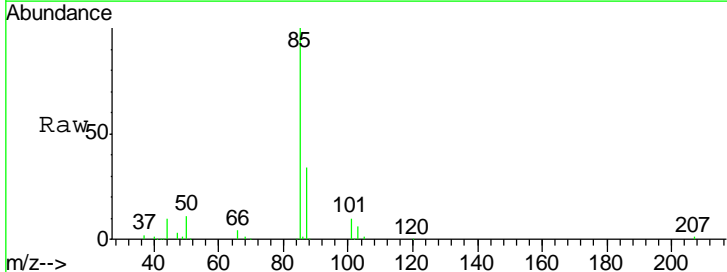
Tgt Ion	Resp	Lower	Upper
168	390008		
99	51.4	40.8	61.2

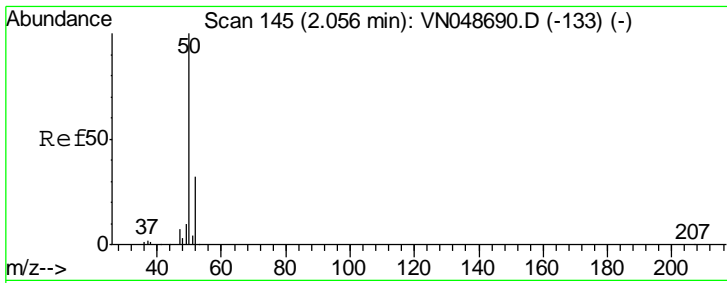
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#2
 Dichlorodifluoromethane
 Concen: 17.45 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
85	84598		
87	33.9	15.9	47.7



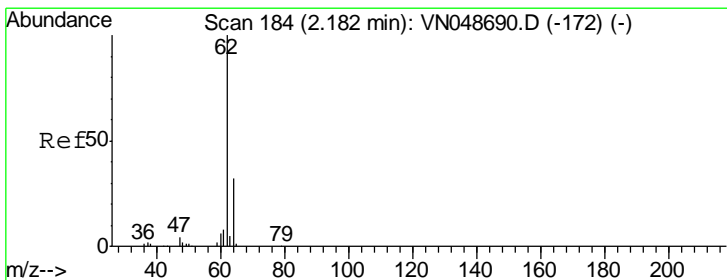
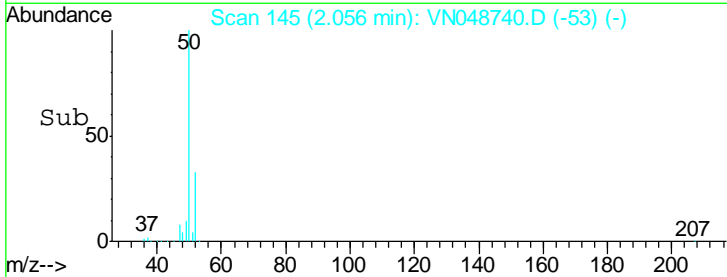
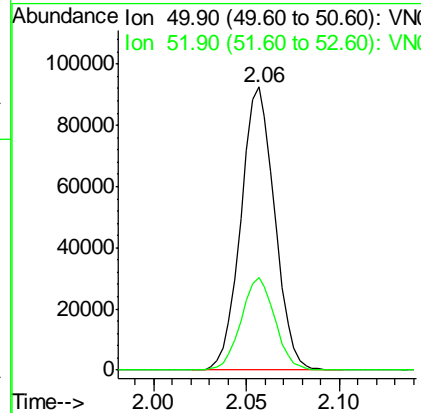
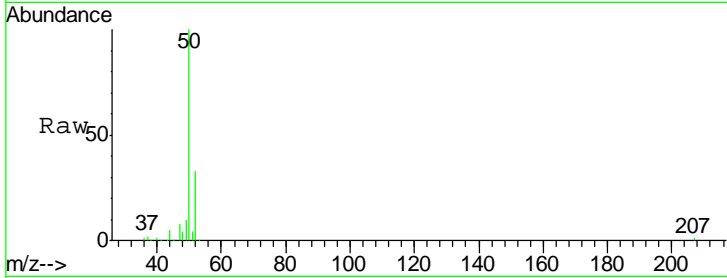


#3
 Chloromethane
 Concen: 17.37 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
50	117212		
52	32.5	26.0	39.0

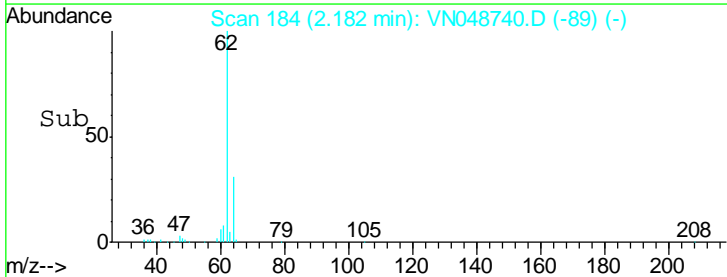
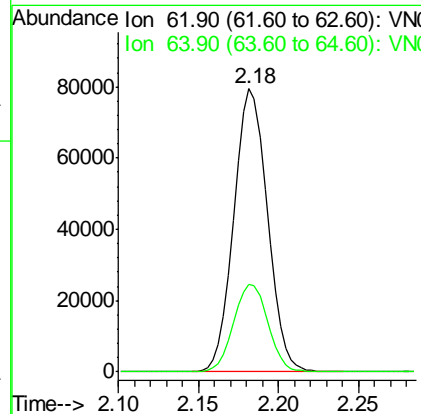
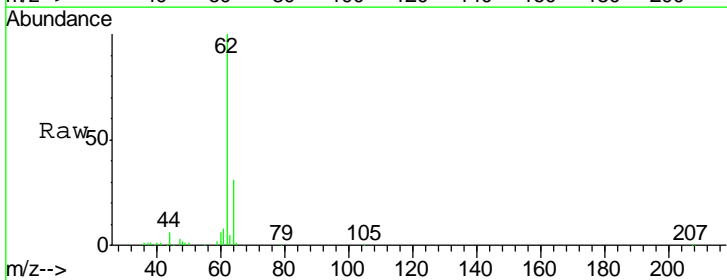
Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

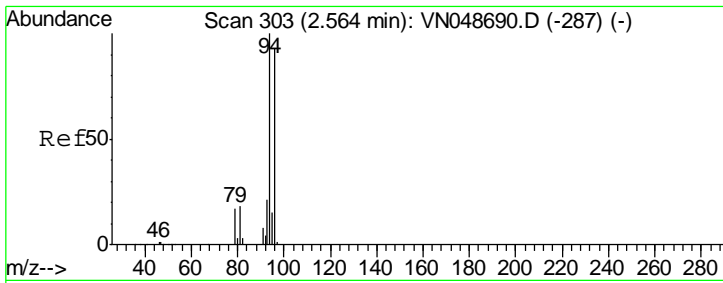
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#4
 Vinyl Chloride
 Concen: 18.43 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
62	113651		
64	31.1	25.6	38.4



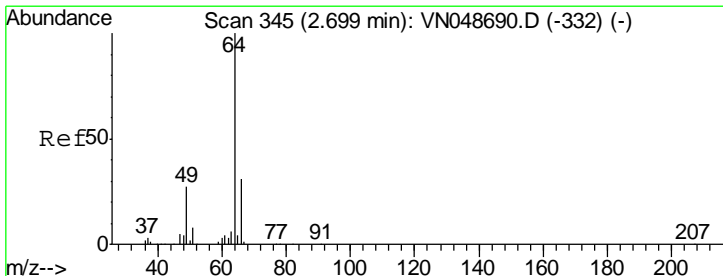
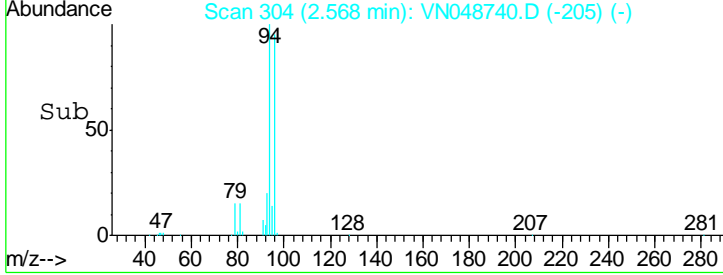
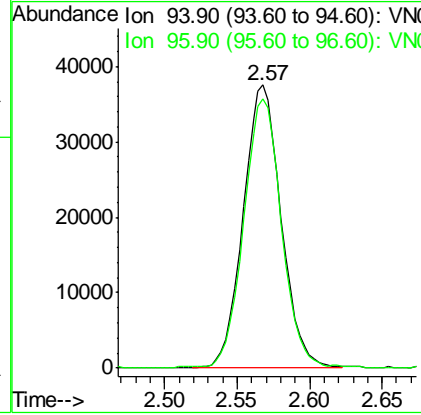
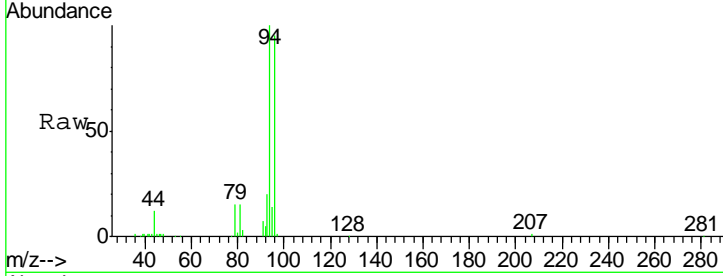


#5
 Bromomethane
 Concen: 21.30 ug/l
 RT: 2.57 min Scan# 304
 Delta R.T. 0.02 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
94	68190		
96	94.8	78.0	117.0

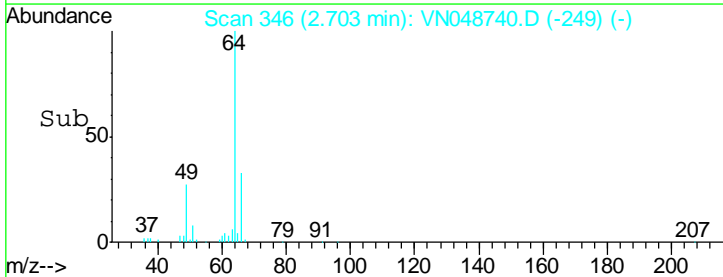
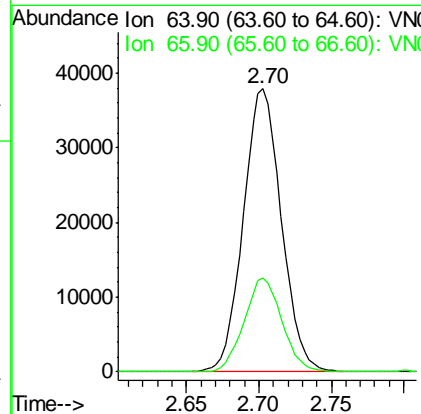
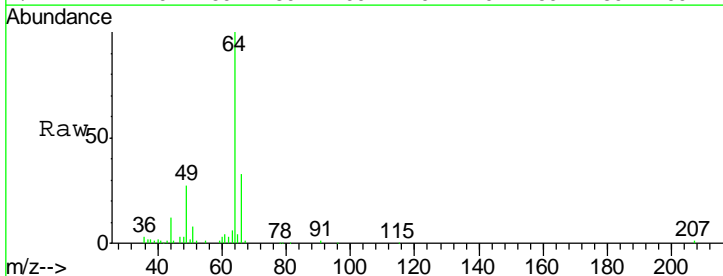
Instrument : MSVOA_N
 Client Sampled : VN0530WBS01

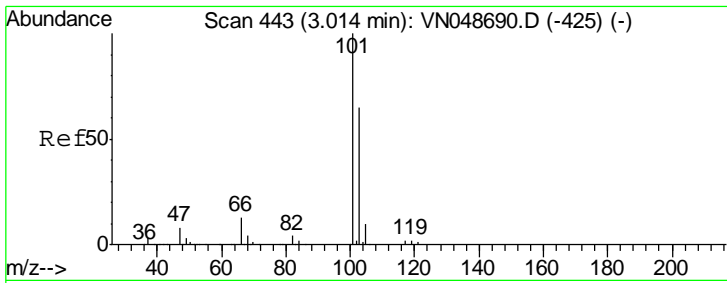
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#6
 Chloroethane
 Concen: 19.82 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
64	69237		
66	33.3	24.8	37.2



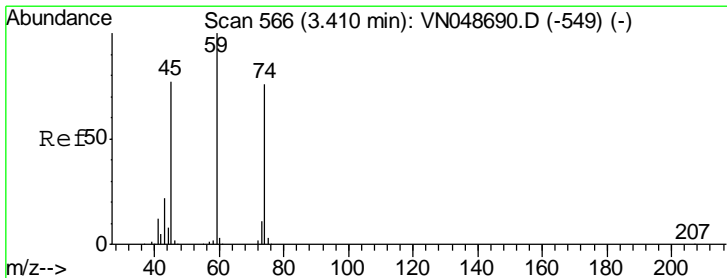
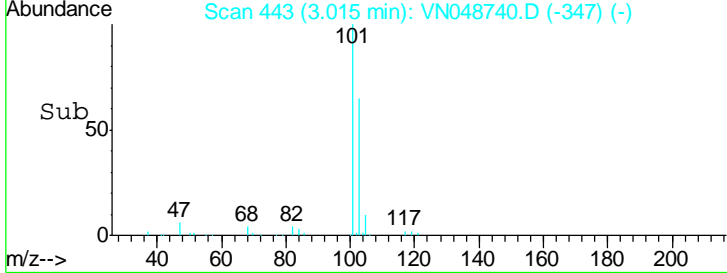
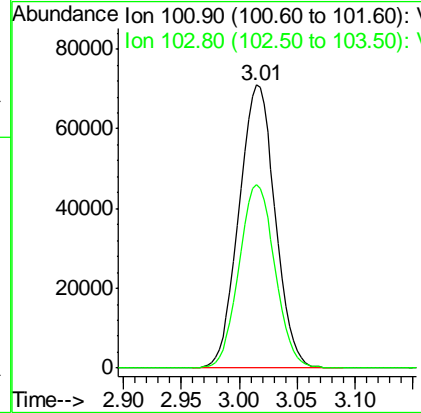
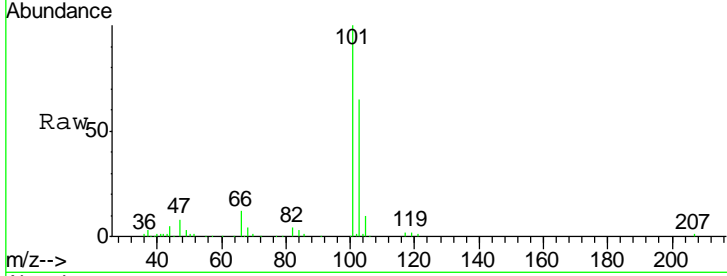


#7
 Trichlorofluoromethane
 Concen: 18.49 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
101	153738		
103	64.9	50.8	76.2

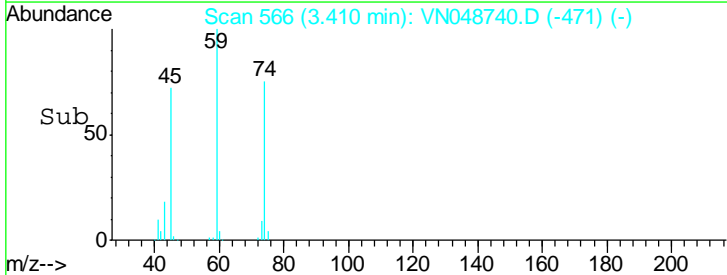
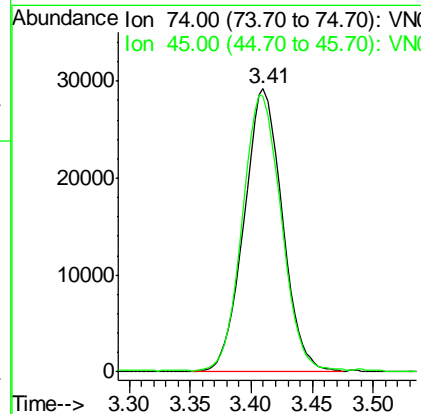
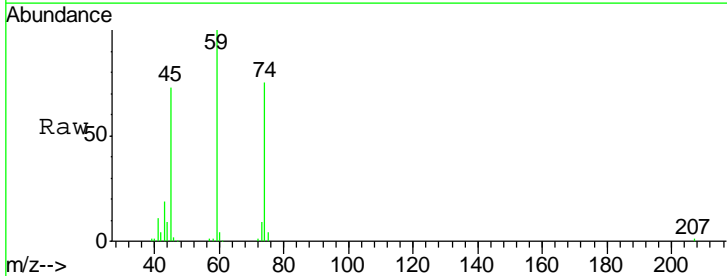
Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

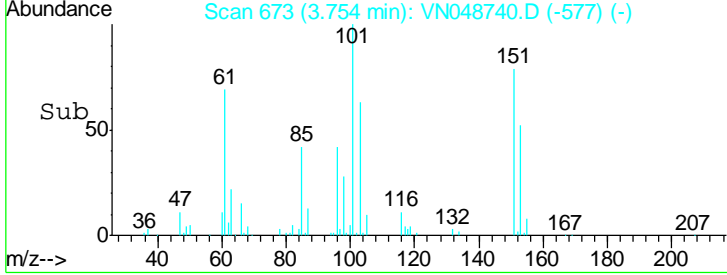
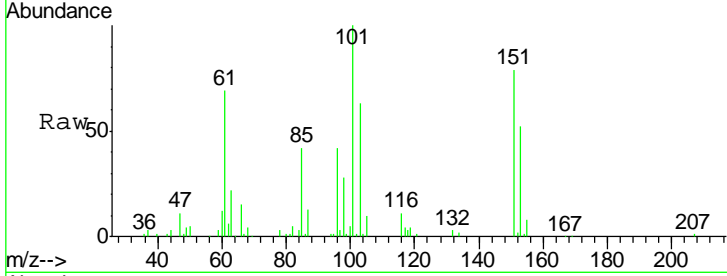
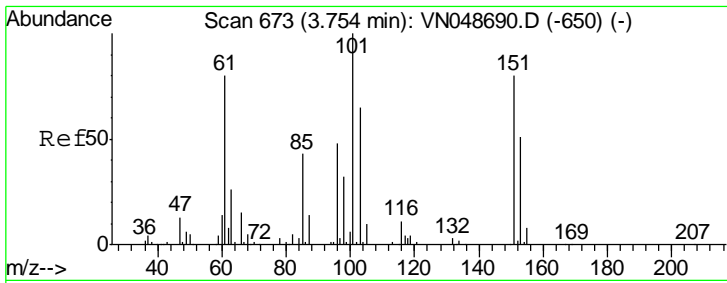
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#8
 Diethyl Ether
 Concen: 20.58 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
74	63383		
45	100.2	50.0	150.0



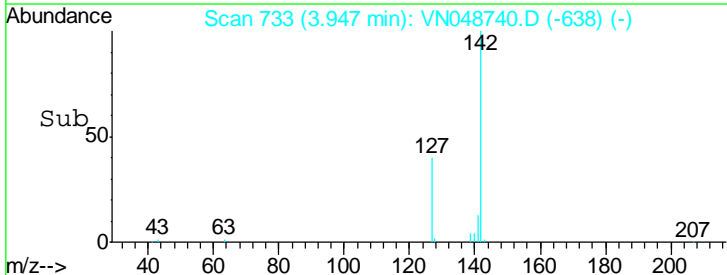
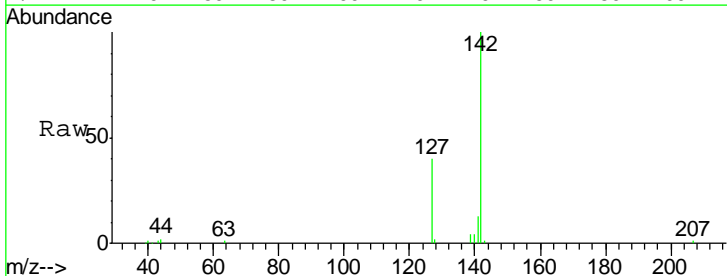
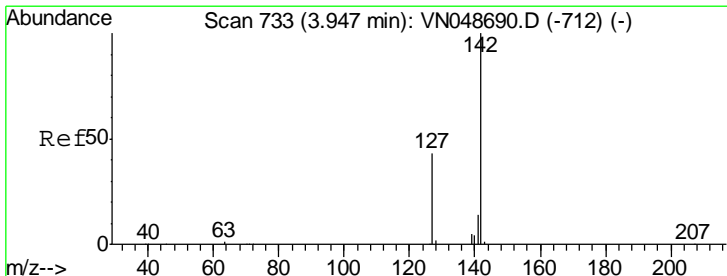
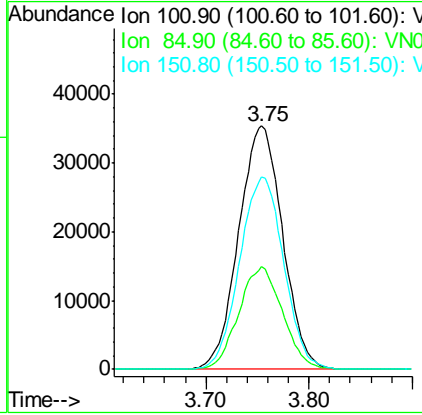


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.65 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
101	104800		
101	100		
85	42.0	33.3	49.9
151	79.3	66.5	99.7

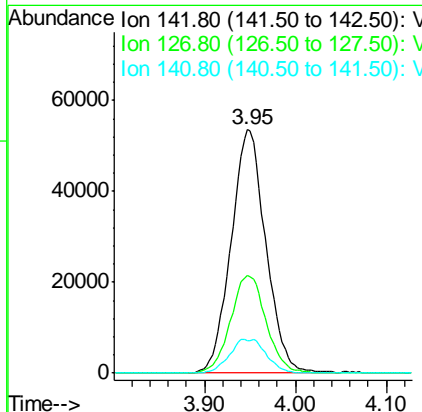
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 ClientSampled : VN0530WBS01

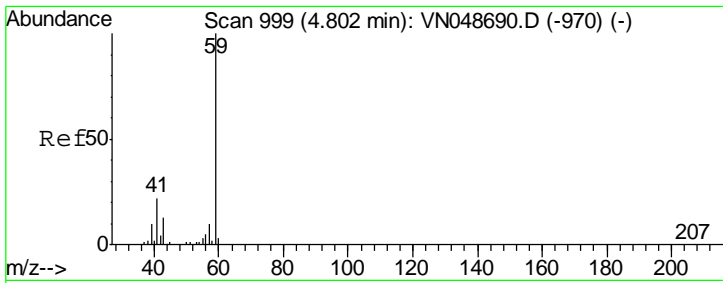
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#10
 Methyl Iodide
 Concen: 19.26 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
142	142060		
142	100		
127	41.1	32.5	48.7
141	14.6	11.3	16.9





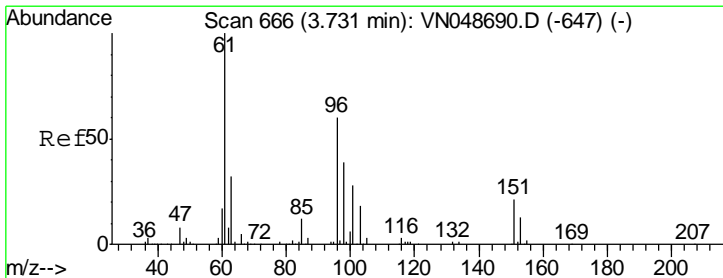
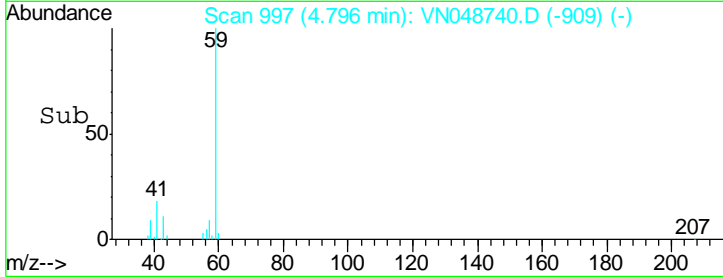
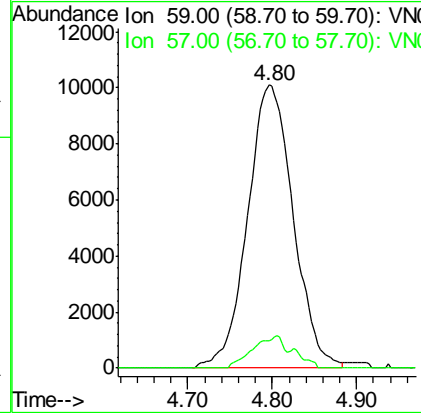
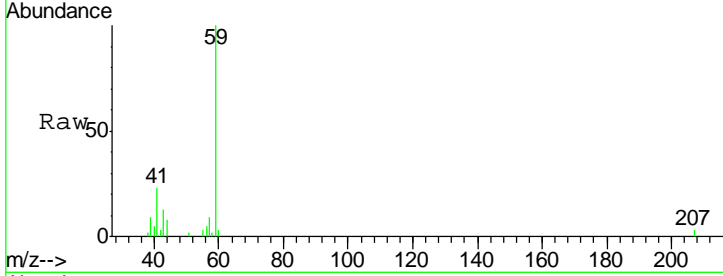
#11
 Tert butyl alcohol
 Concen: 96.82 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.02 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Tgt Ion	Resp	Lower	Upper
59	37922		
59	100		
57	7.8	8.1	12.1#

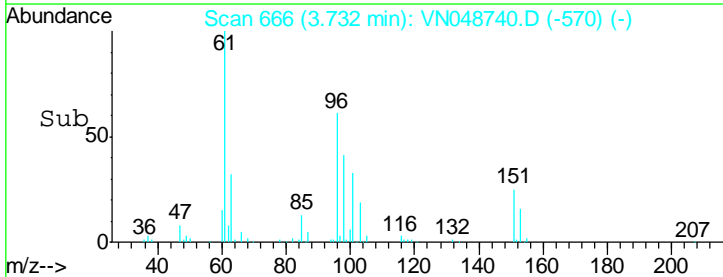
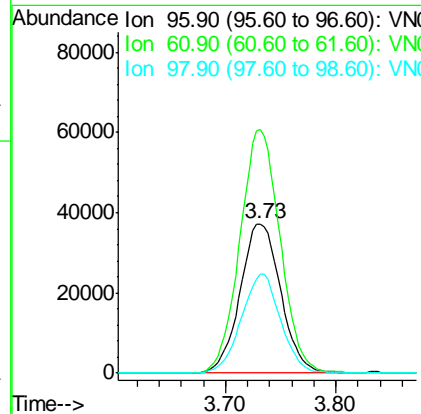
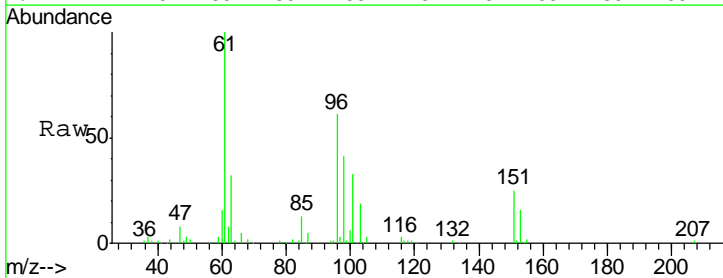
Manual Integrations
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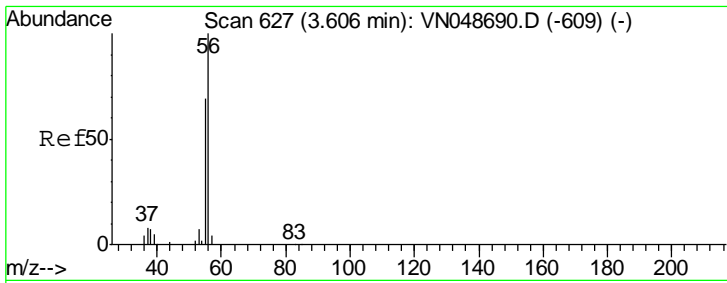
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#12
 1,1-Dichloroethene
 Concen: 18.67 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
96	94984		
96	100		
61	163.2	125.6	188.4
98	66.5	51.0	76.4



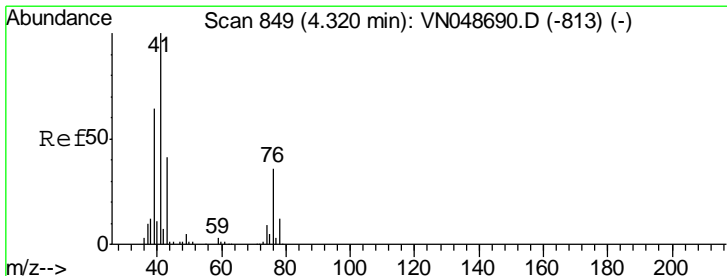
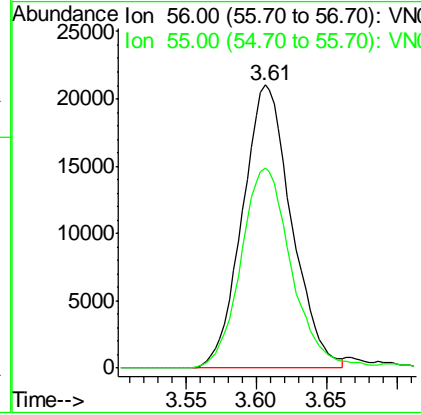
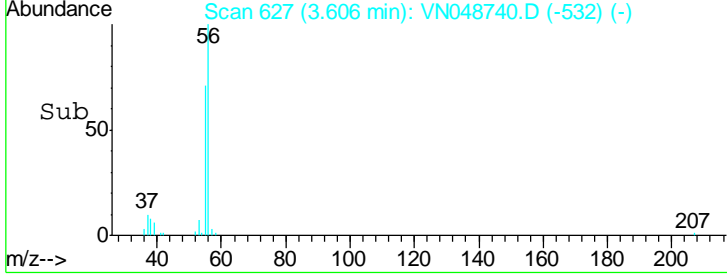
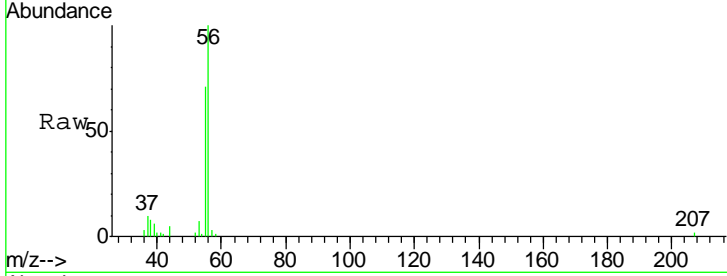


#13
 Acrolein
 Concen: 95.41 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
56	51211		
55	72.7	57.1	85.7

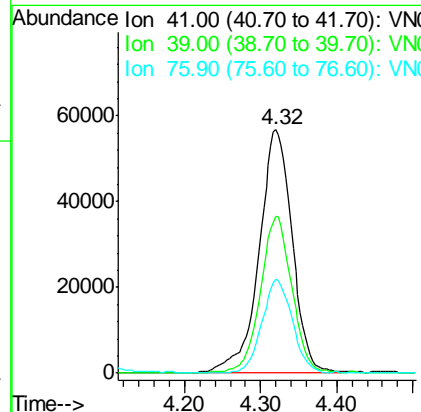
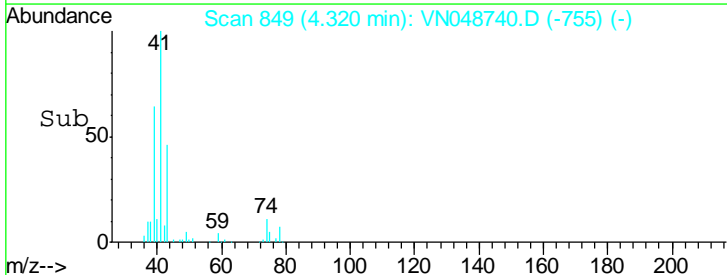
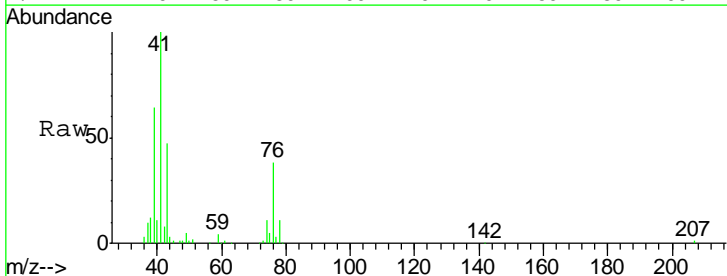
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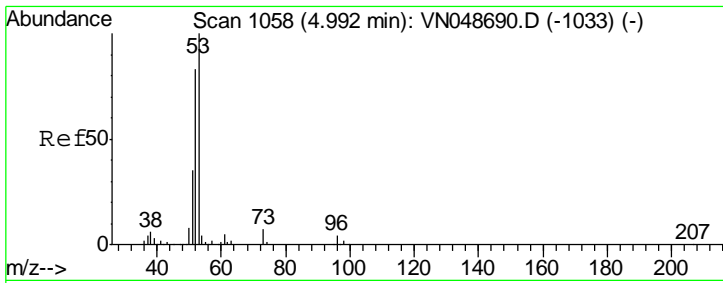
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#14
 Allyl chloride
 Concen: 18.04 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

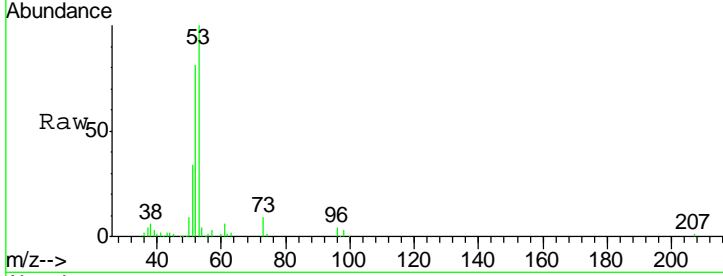
Tgt Ion	Resp	Lower	Upper
41	171687		
39	61.0	51.1	76.7
76	35.1	28.2	42.2





#15
 Acrylonitrile
 Concen: 100.68 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

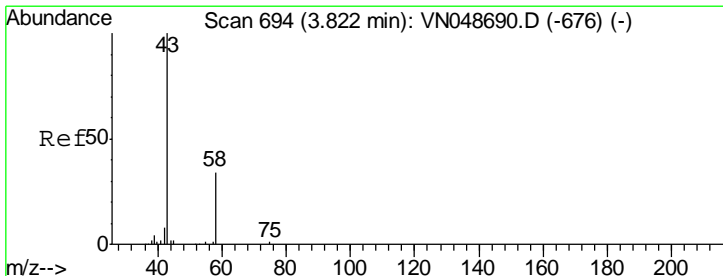
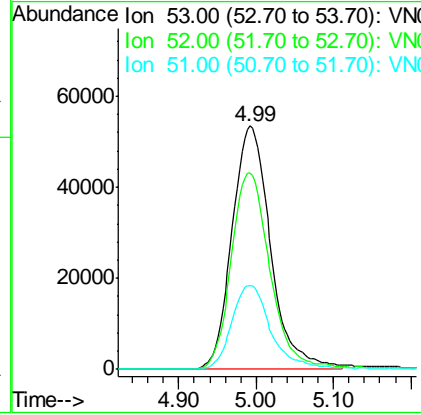
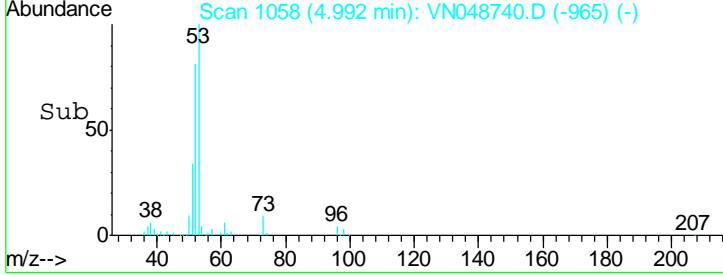
Instrument : MSVOA_N
 ClientSampled : VN0530WBS01



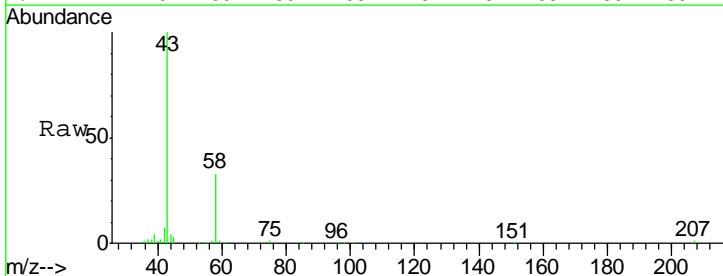
Tgt Ion: 53 Resp: 185346

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.5	98.3
51	35.0	28.8	43.2

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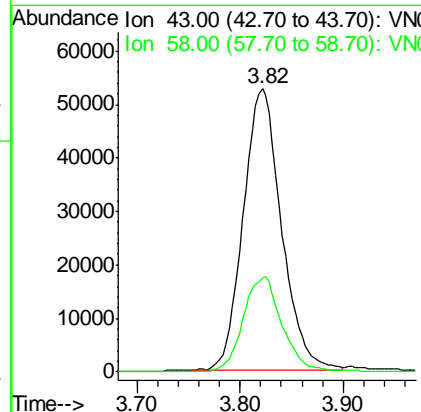
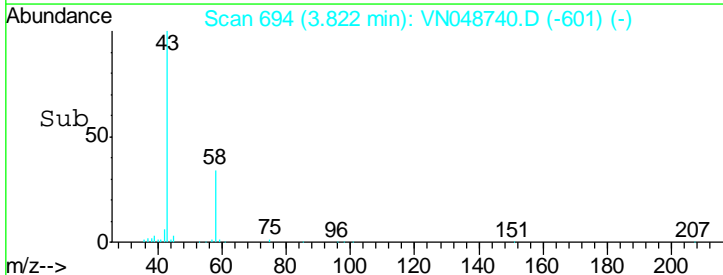


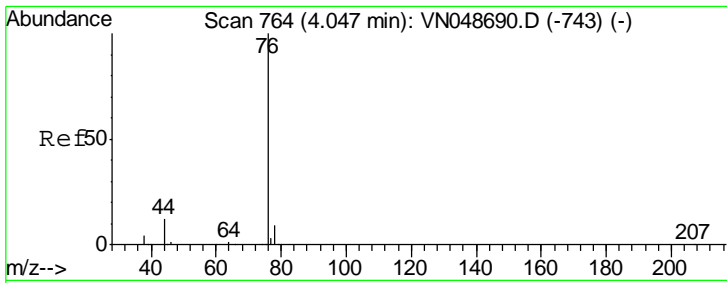
#16
 Acetone
 Concen: 91.25 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00



Tgt Ion: 43 Resp: 134959

Ion	Ratio	Lower	Upper
43	100		
58	33.6	25.4	38.0



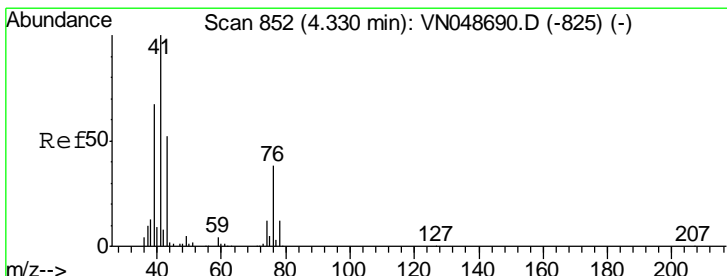
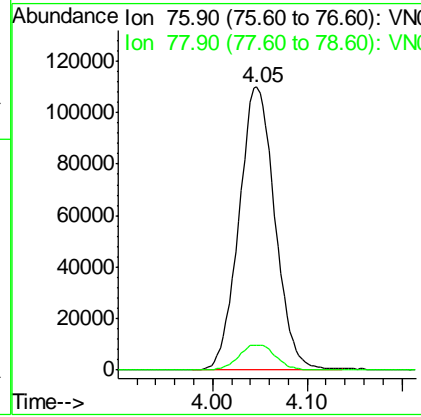
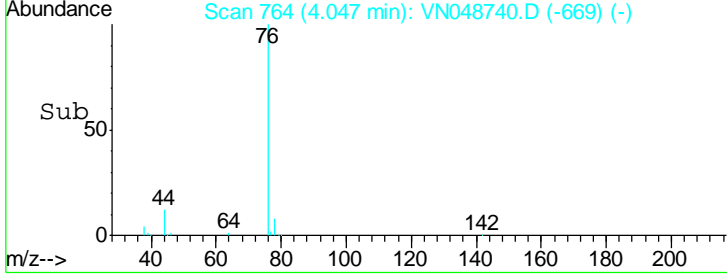
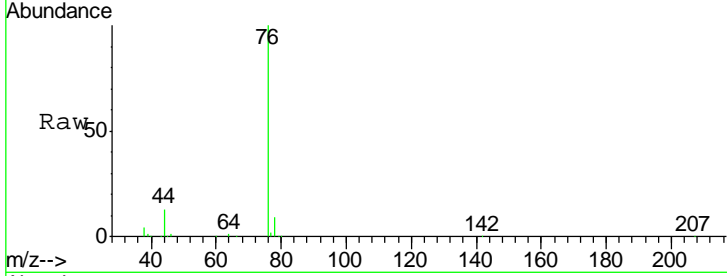


#17
 Carbon Disulfide
 Concen: 17.45 ug/l
 RT: 4.05 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
76	290261		
76	100		
78	8.7	7.2	10.8

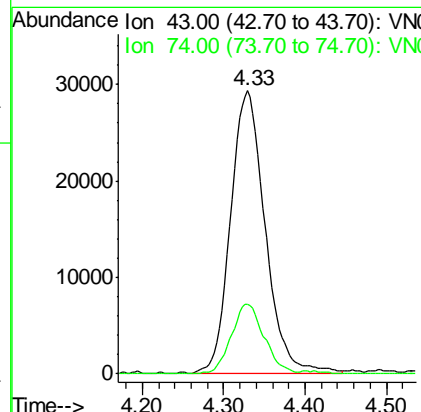
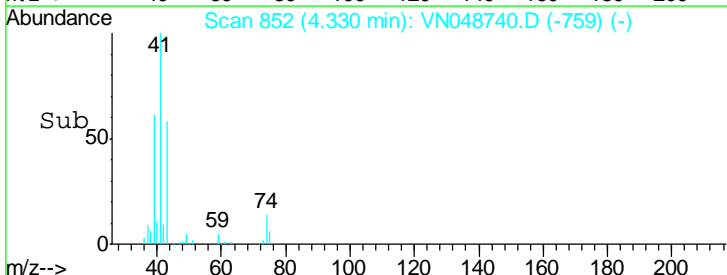
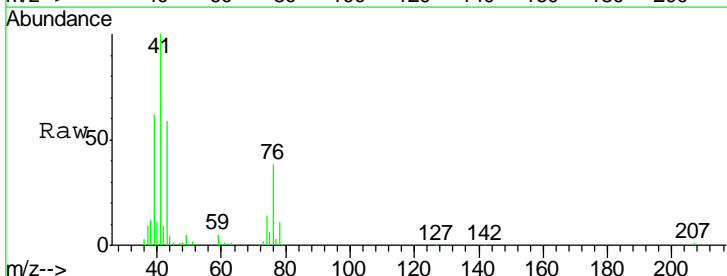
Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

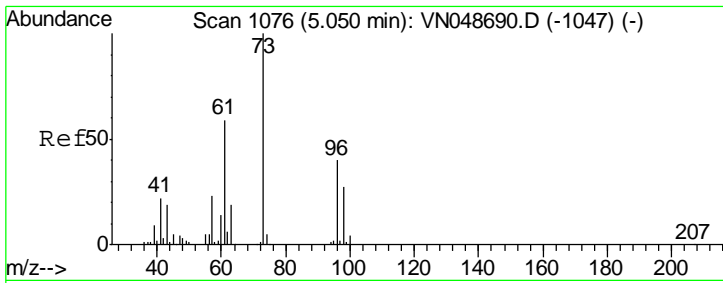
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#18
 Methyl Acetate
 Concen: 20.75 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
43	87510		
43	100		
74	23.3	18.4	27.6



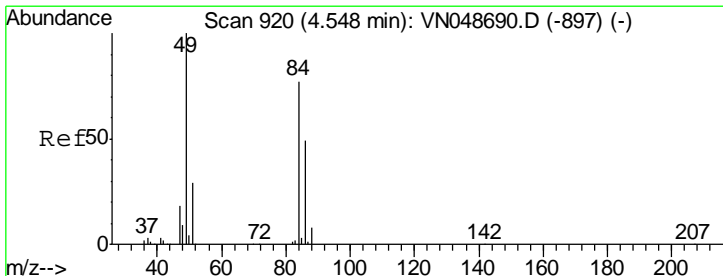
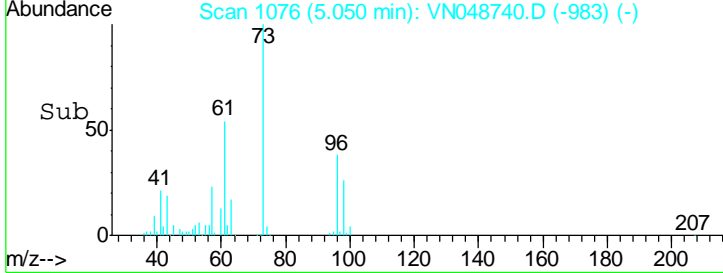
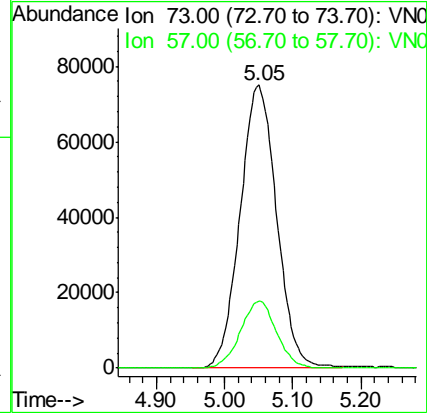
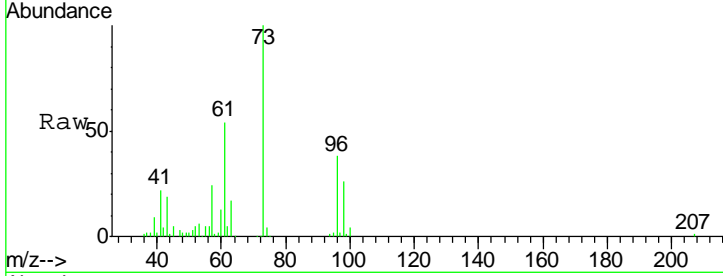


#19
 Methyl tert-butyl Ether
 Concen: 20.07 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

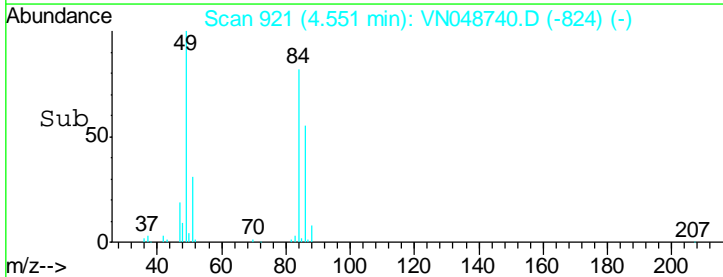
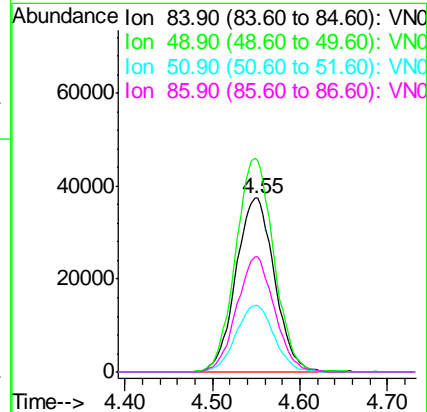
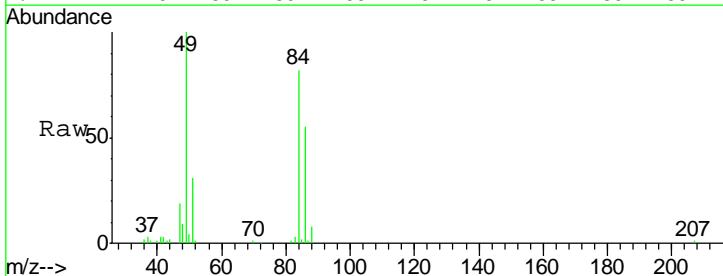
Tgt Ion	Resp	Lower	Upper
73	100		
57	23.7	18.0	27.0

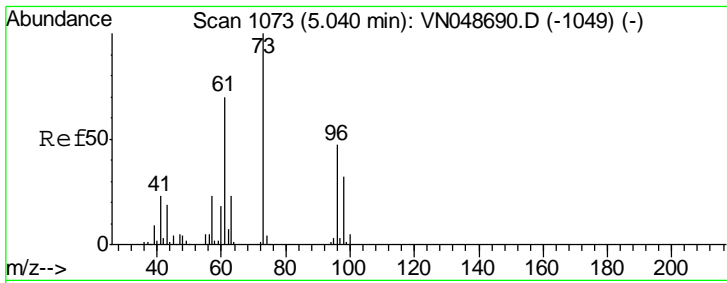
Manual Integrations
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#20
 Methylene Chloride
 Concen: 18.81 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

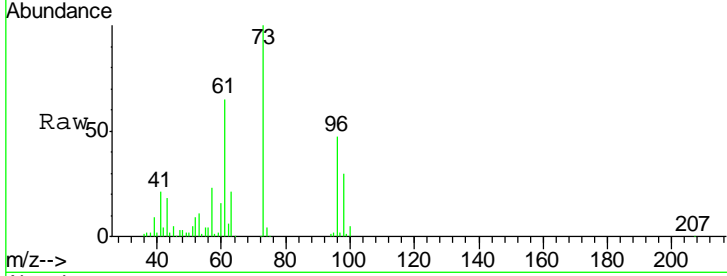
Tgt Ion	Resp	Lower	Upper
84	100		
49	121.8	97.7	146.5
51	38.1	30.4	45.6
86	66.5	51.8	77.8





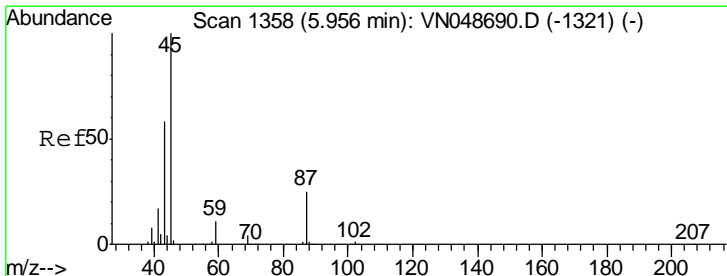
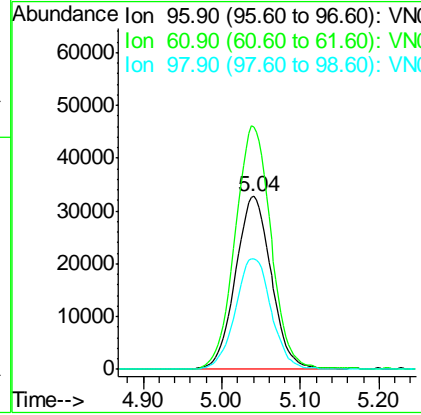
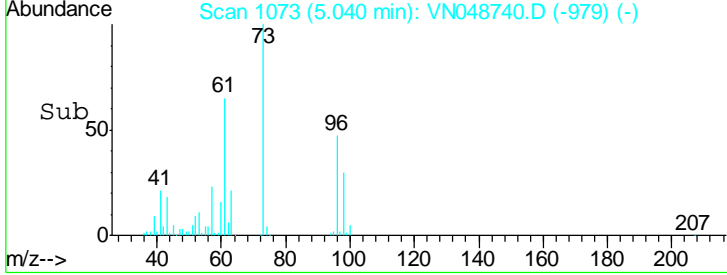
#21
 trans-1,2-Dichloroethene
 Concen: 19.17 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01



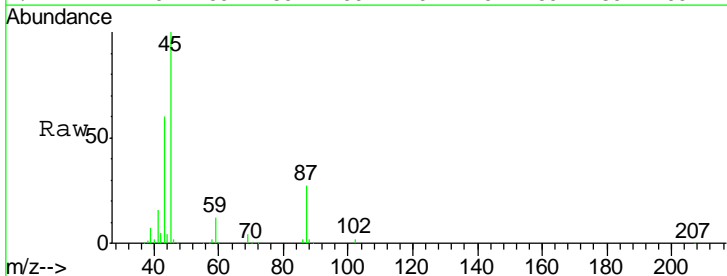
Tgt Ion	Resp	Lower	Upper
96	104080		
61	140.3	112.2	168.2
98	63.8	50.5	75.7

Manual Integrations
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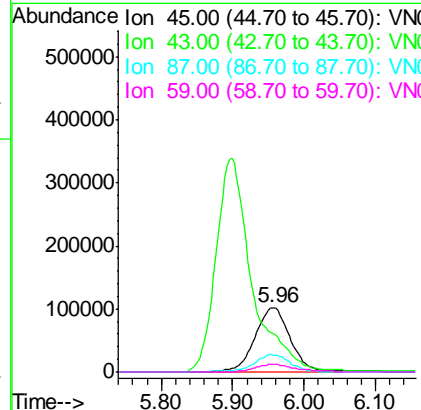
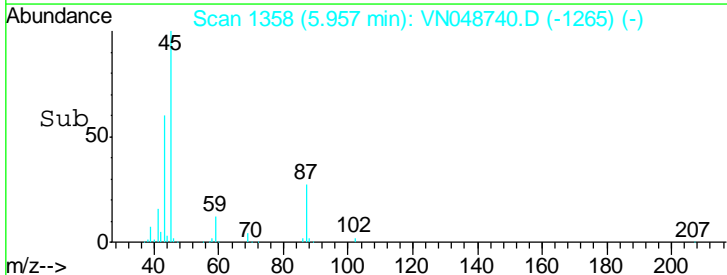


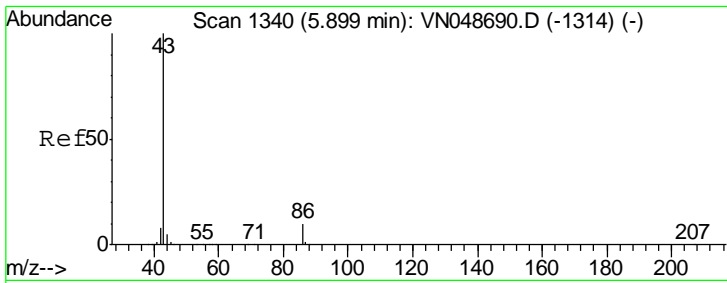
#22
 Diisopropyl ether
 Concen: 19.31 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

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Tgt Ion	Resp	Lower	Upper
45	350556		
43	57.2	43.8	65.8
87	26.3	21.8	32.6
59	11.6	9.2	13.8





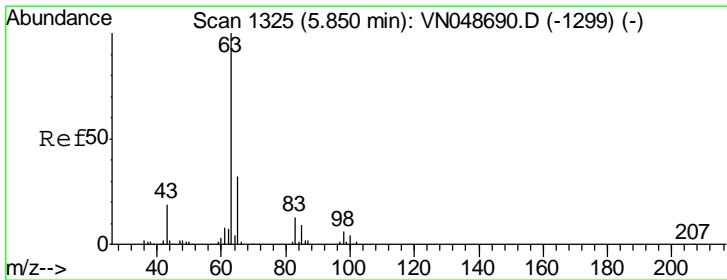
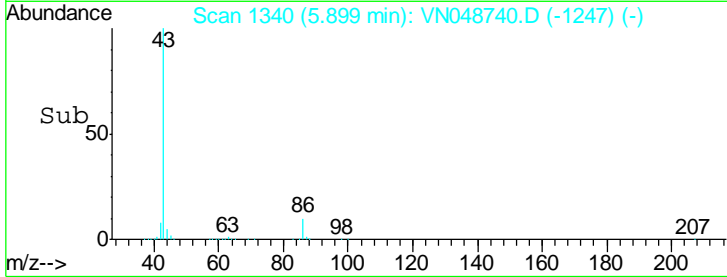
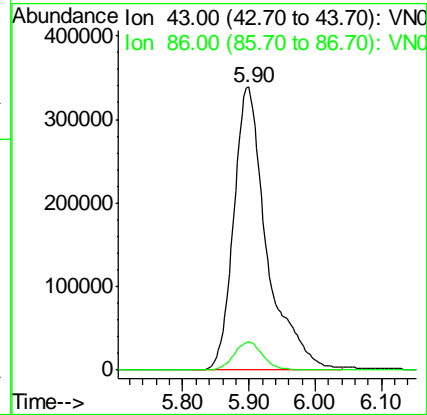
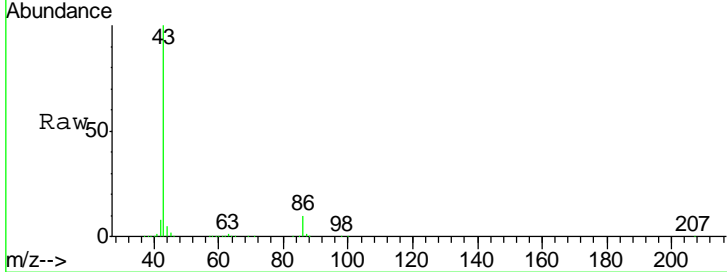
#23
 Vinyl Acetate
 Concen: 95.57 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

Tgt Ion: 43 Resp: 1179419

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.2	12.2

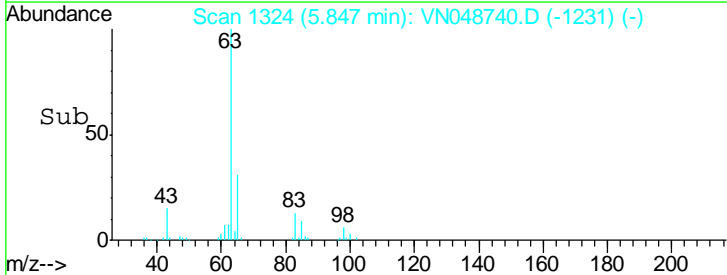
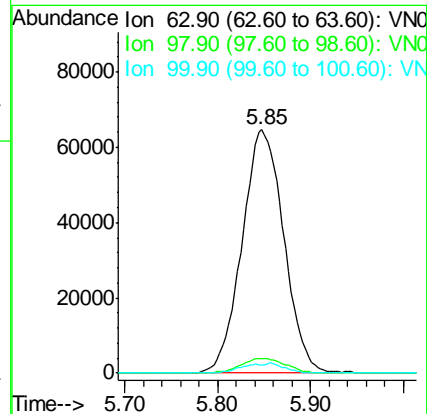
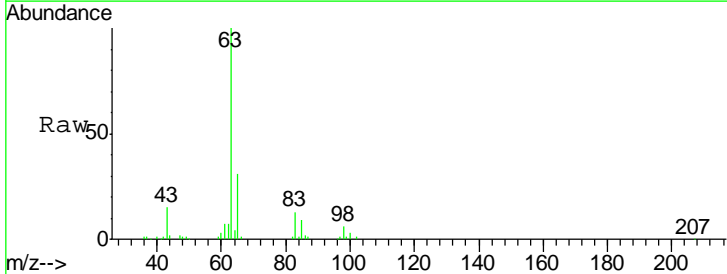
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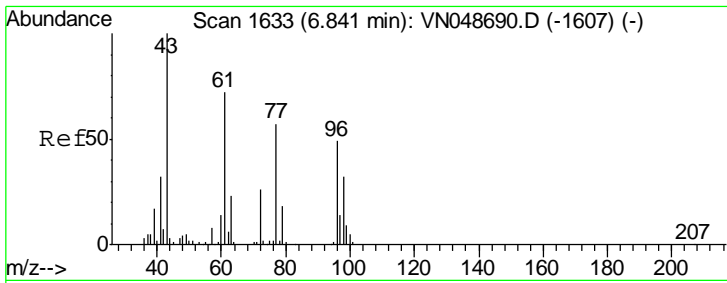


#24
 1,1-Dichloroethane
 Concen: 18.88 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion: 63 Resp: 201977

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.2	9.6
100	3.5	2.1	6.3



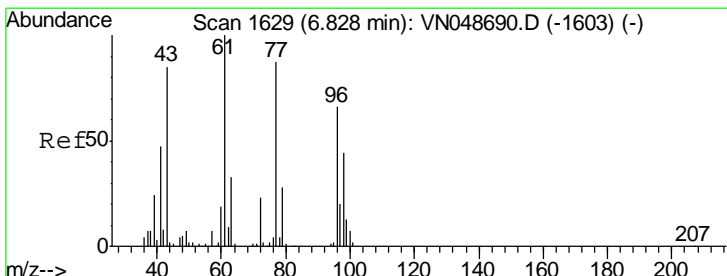
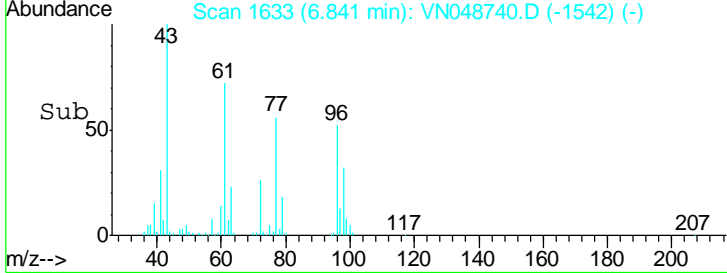
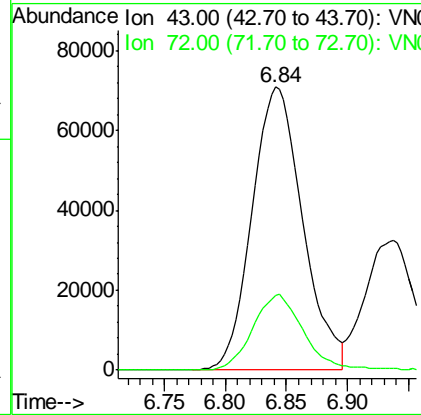
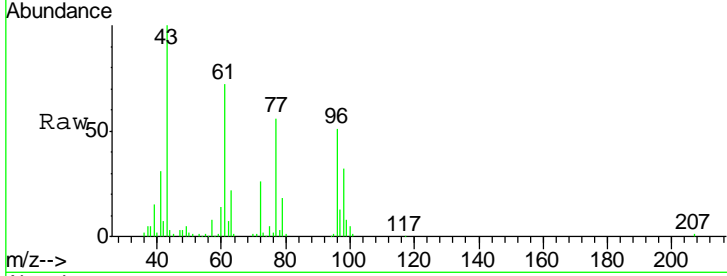


#25
 2-Butanone
 Concen: 94.42 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS01

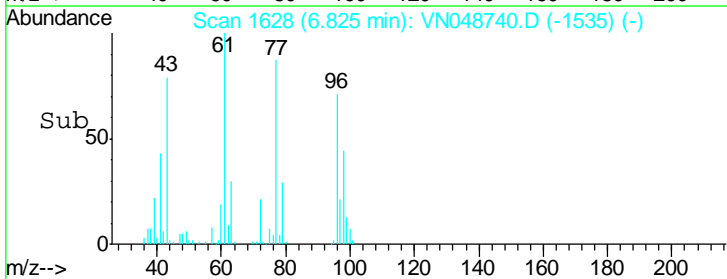
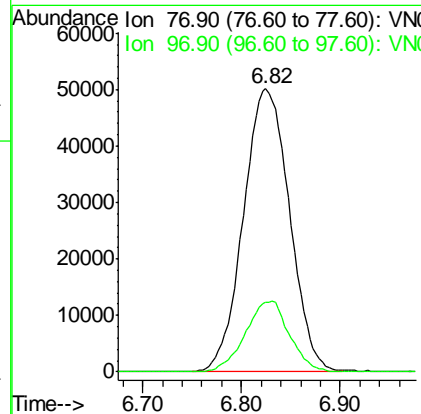
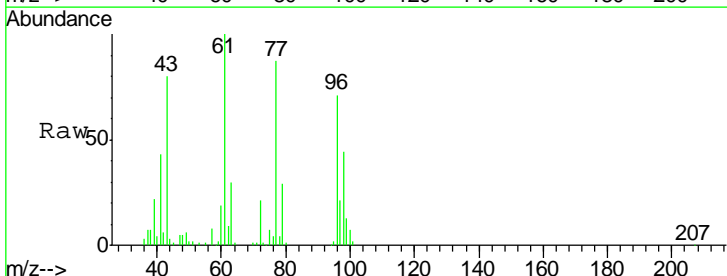
Tgt Ion	Resp	Lower	Upper
43	100		
72	26.4	20.8	31.2

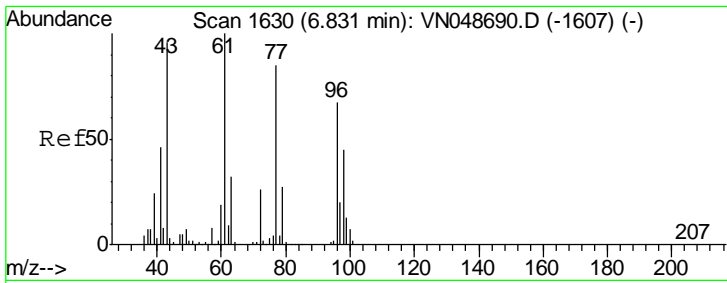
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#26
 2,2-Dichloropropane
 Concen: 18.23 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

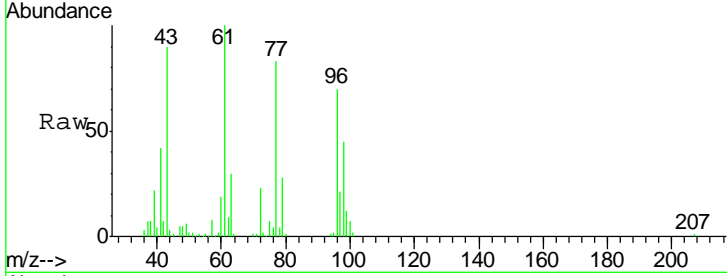
Tgt Ion	Resp	Lower	Upper
77	100		
97	23.9	11.9	35.5





#27
 cis-1,2-Dichloroethene
 Concen: 19.77 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

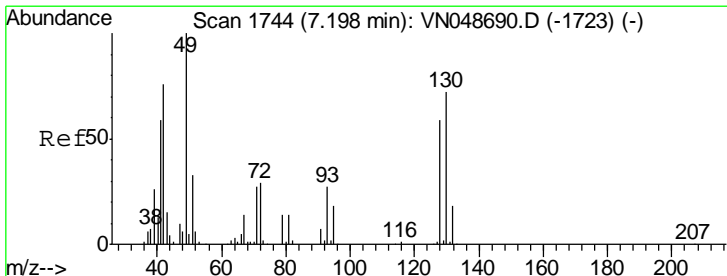
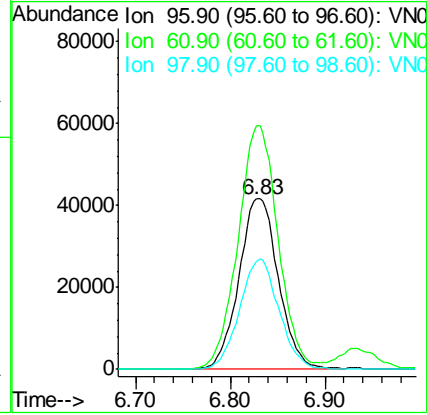
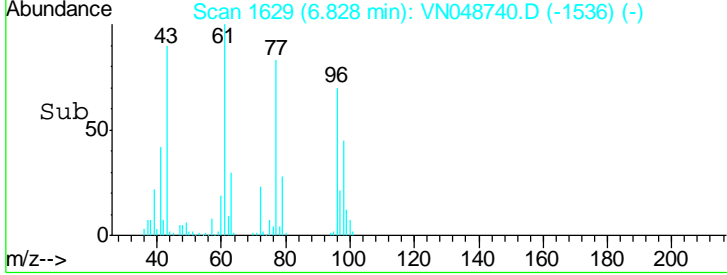
Instrument : MSVOA_N
 ClientSampled : VN0530WBS01



Tgt Ion: 96 Resp: 121072

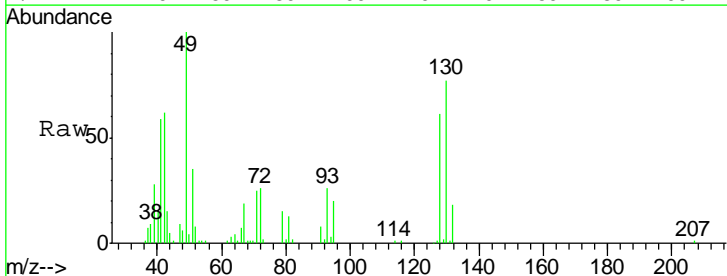
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	292.6
98	64.4	0.0	128.2

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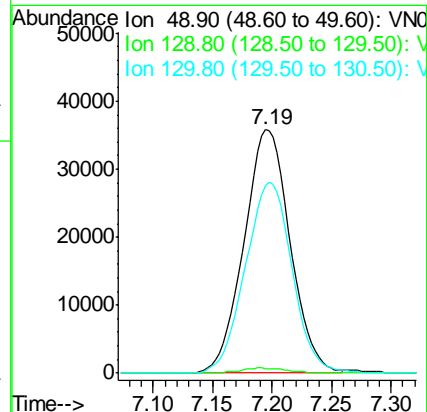
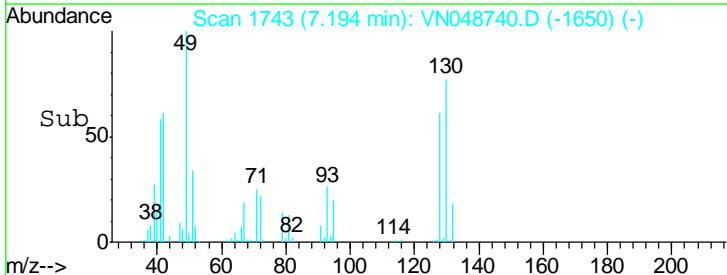
#28
 Bromochloromethane
 Concen: 19.71 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

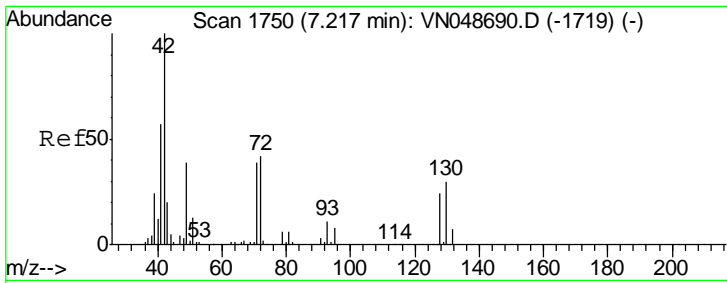
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Tgt Ion: 49 Resp: 96200

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	79.4	64.2	96.2



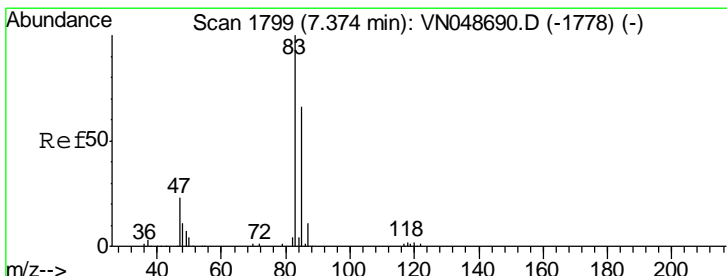
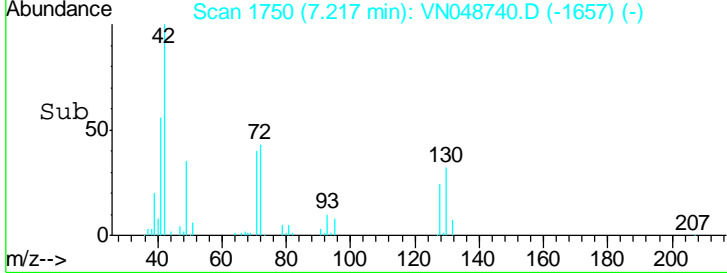
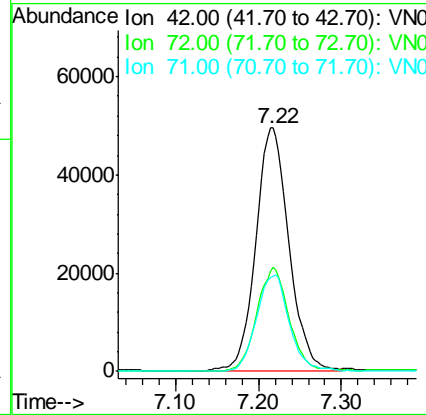
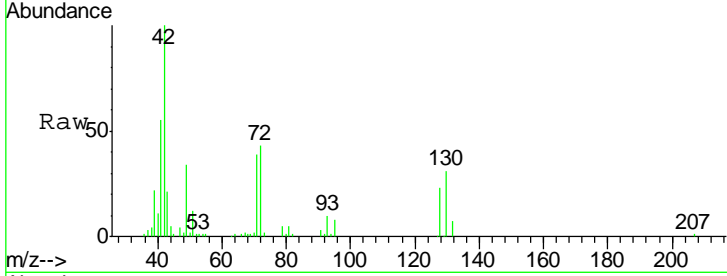


#29
 Tetrahydrofuran
 Concen: 95.41 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS01

Tgt Ion	Resp	Lower	Upper
42	138168		
72	41.7	34.2	51.4
71	39.0	31.8	47.8

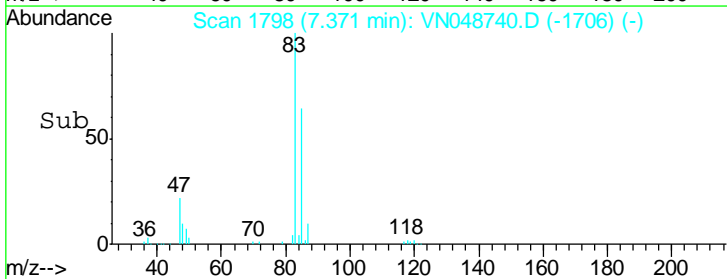
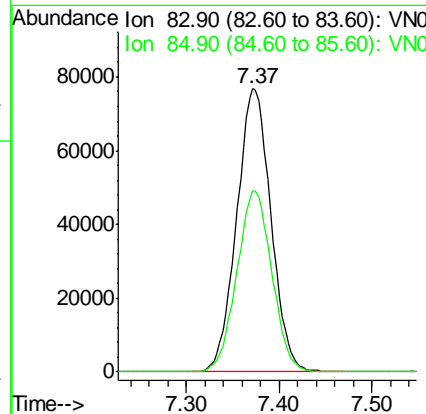
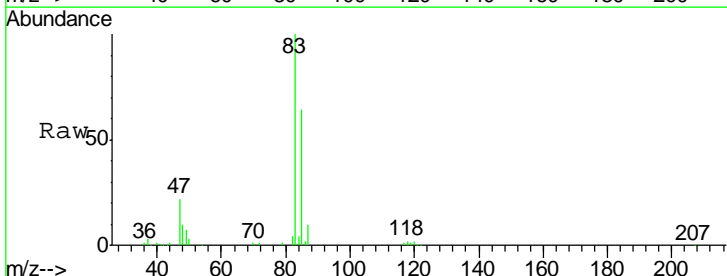
Manual Integrations
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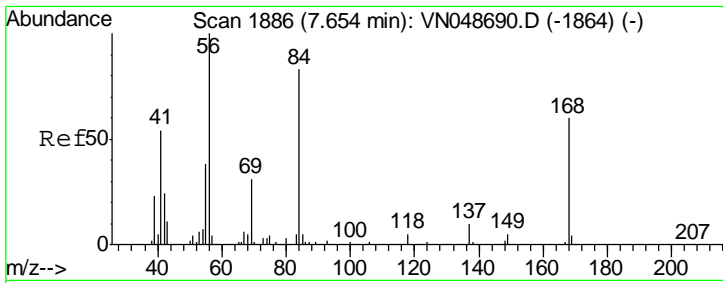


#30
 Chloroform
 Concen: 19.09 ug/l
 RT: 7.37 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS01

Tgt Ion	Resp	Lower	Upper
83	196456		
85	63.9	51.1	76.7





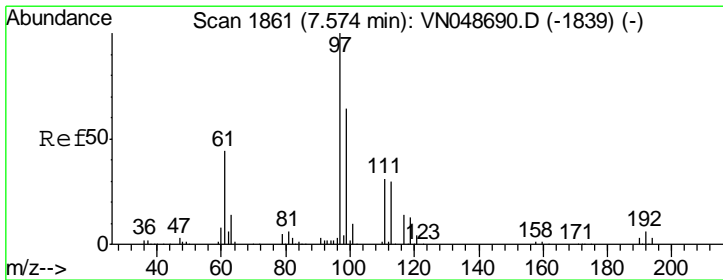
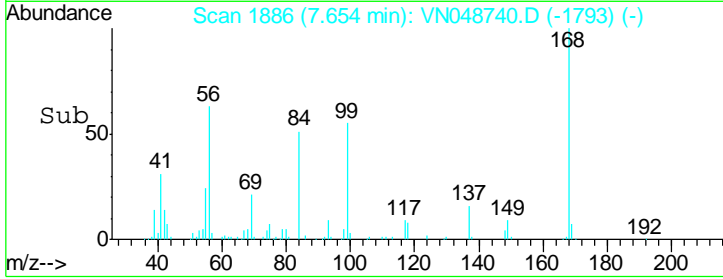
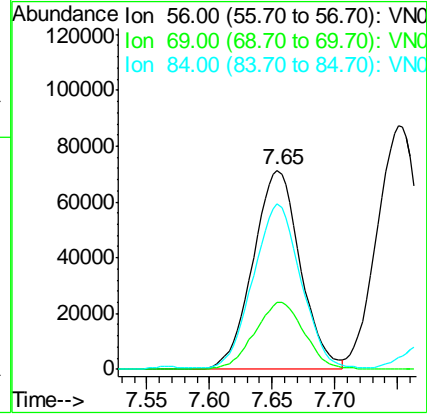
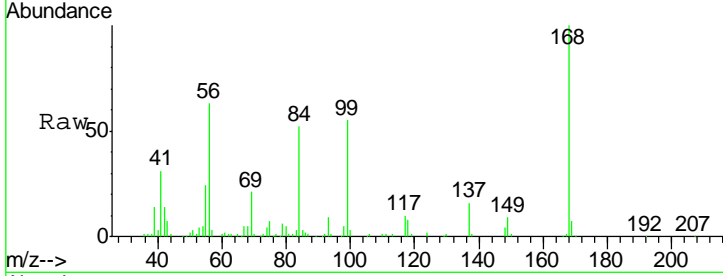
#31
 Cyclohexane
 Concen: 18.95 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS01

Tgt Ion	Resp	Lower	Upper
56	186792		
56	100		
69	33.6	25.6	38.4
84	82.1	67.5	101.3

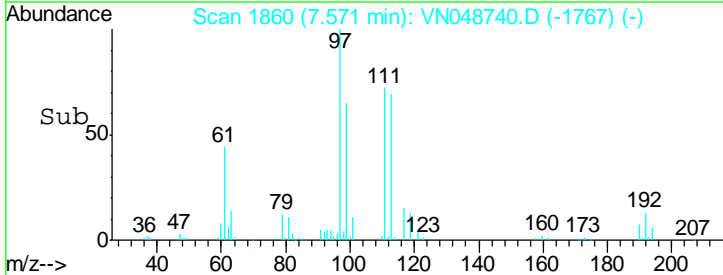
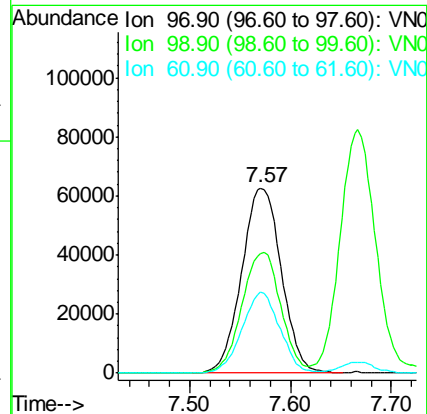
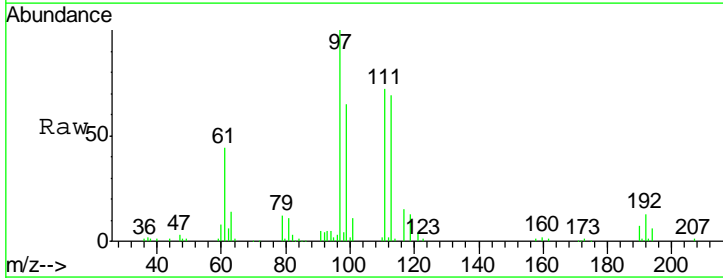
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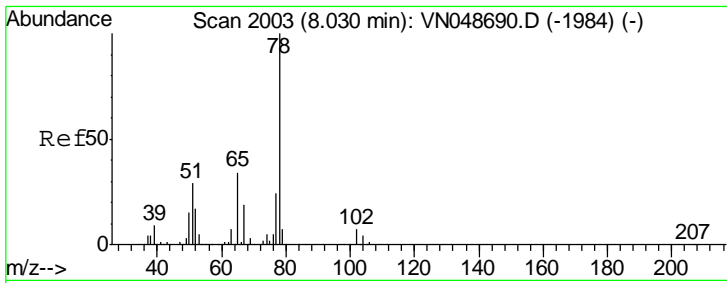
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 19.08 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
97	171014		
97	100		
99	64.1	51.4	77.2
61	41.7	34.2	51.2





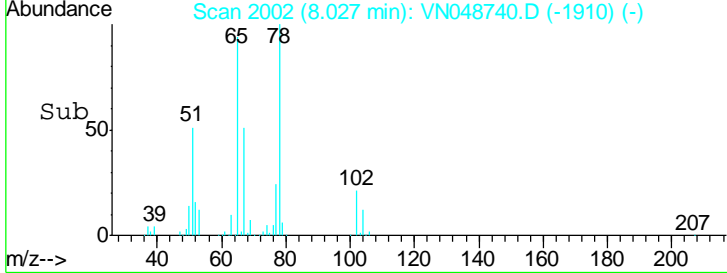
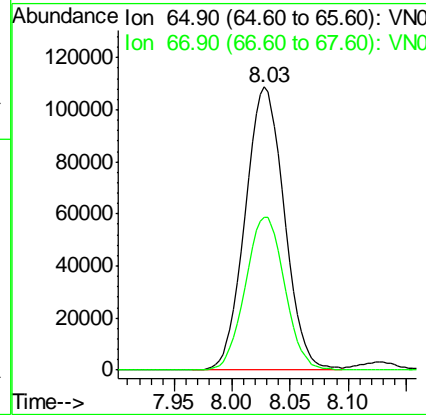
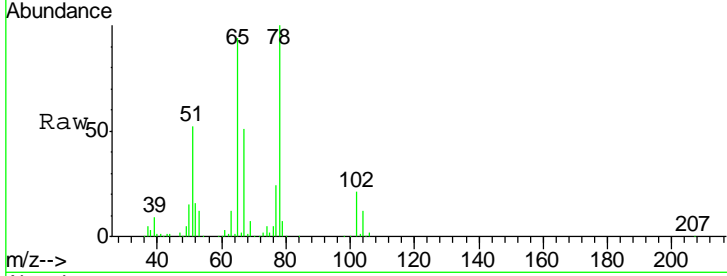
#33
 1,2-Dichloroethane-d4
 Concen: 45.17 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.5	0.0	108.4

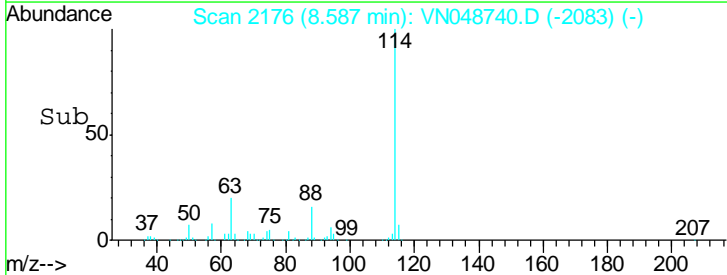
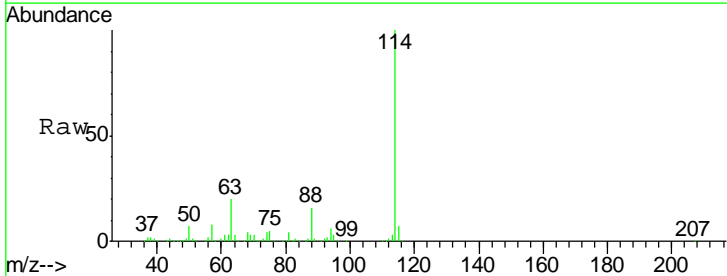
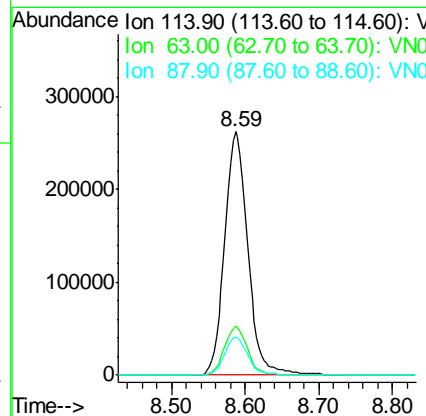
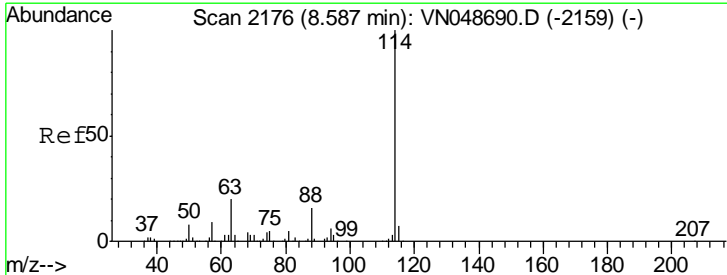
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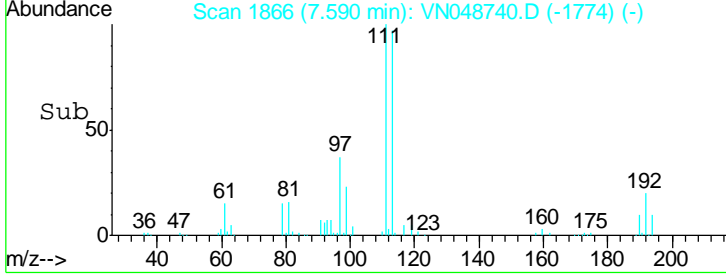
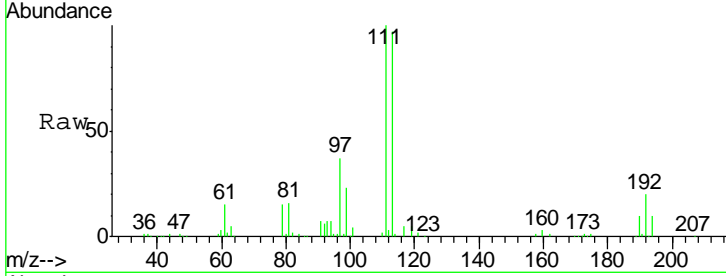
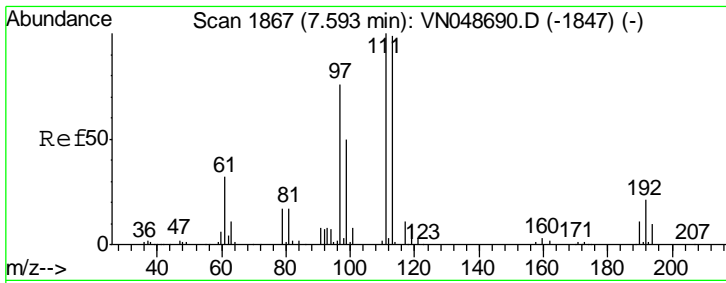
MMDadoda
 5/31/2018 3:07:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	15.7	0.0	31.0



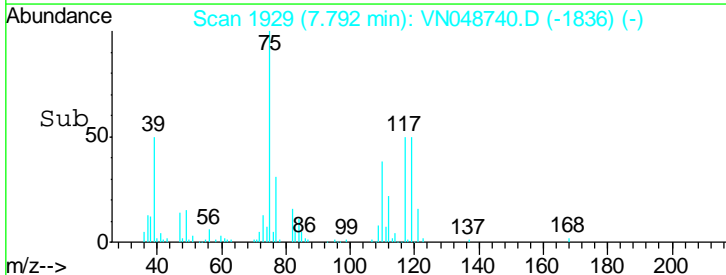
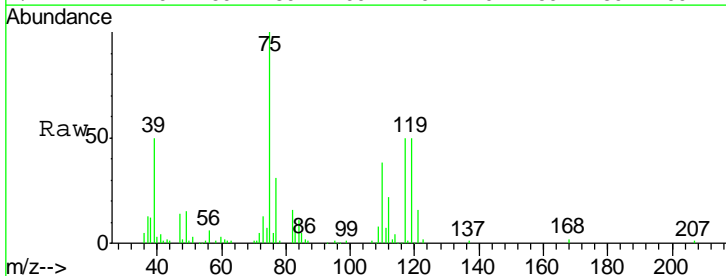
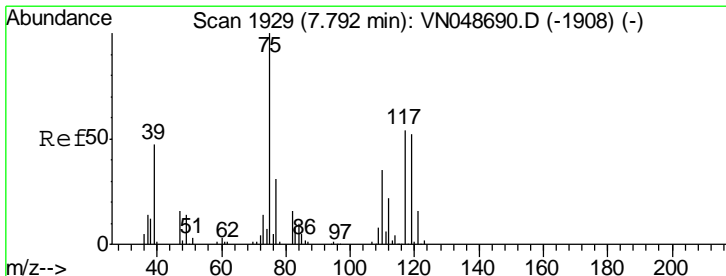
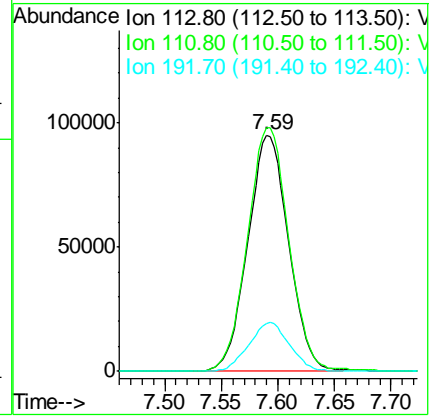


#35
 Dibromofluoromethane
 Concen: 48.96 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
113	100		
111	105.1	81.7	122.5
192	20.7	17.6	26.4

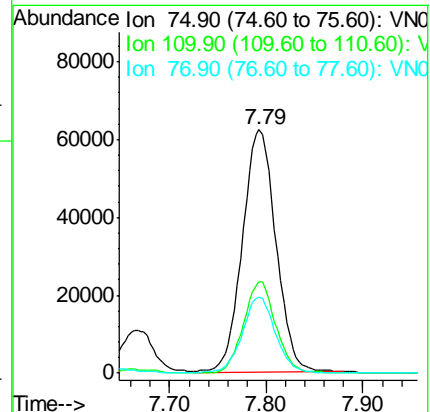
Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

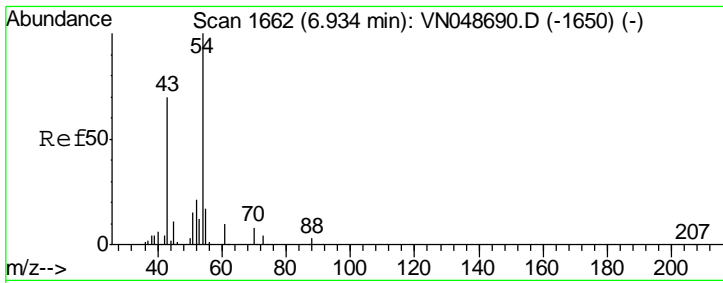
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 18.99 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
75	100		
110	36.2	18.4	55.0
77	31.0	25.0	37.4



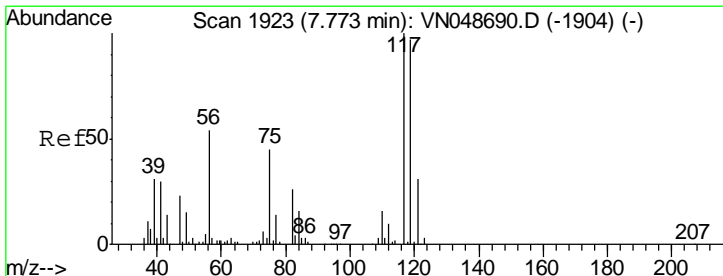
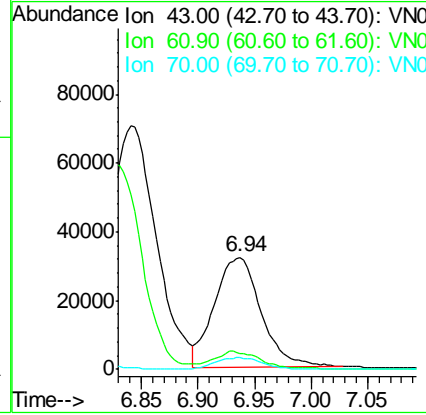
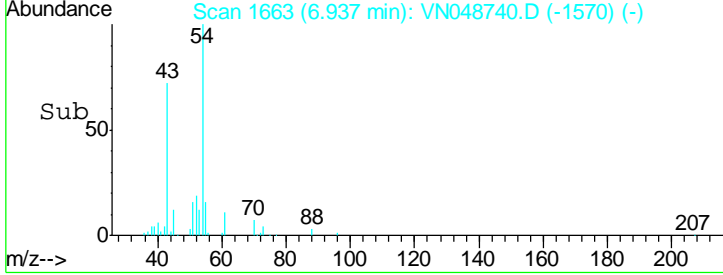
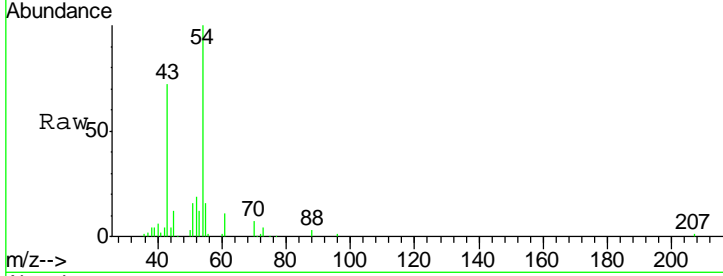


#37
Ethyl Acetate
Concen: 19.37 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN048740.D
Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.2	11.4	17.2
70	10.7	8.6	12.8

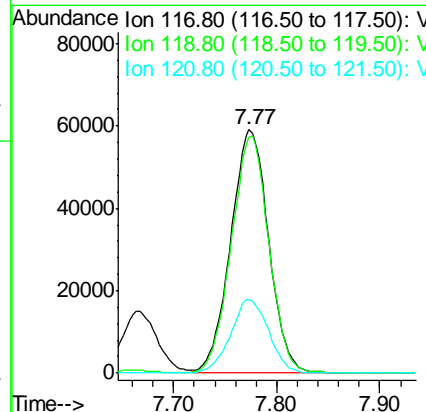
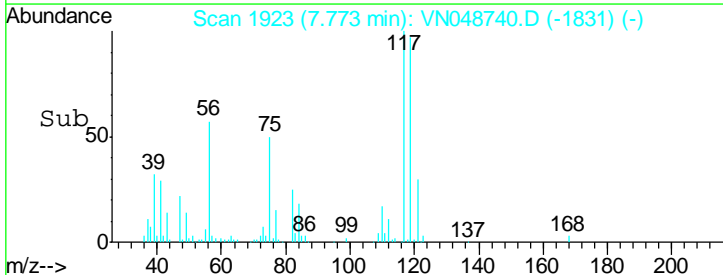
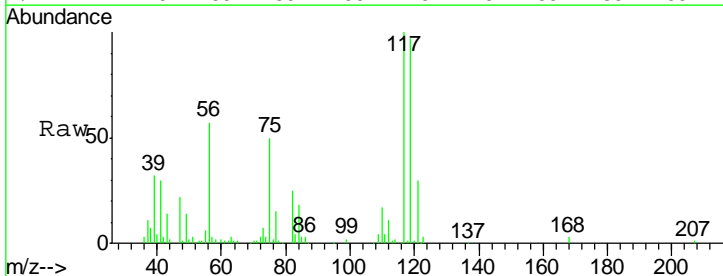
Instrument : MSVOA_N
Client Sampled : VN0530WBS01

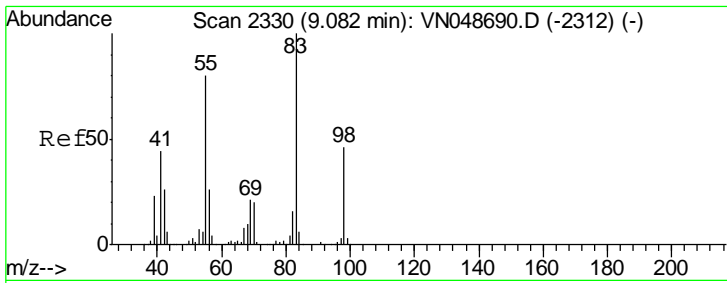
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#38
Carbon Tetrachloride
Concen: 18.72 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN048740.D
Acq: 30 May 2018 15:00

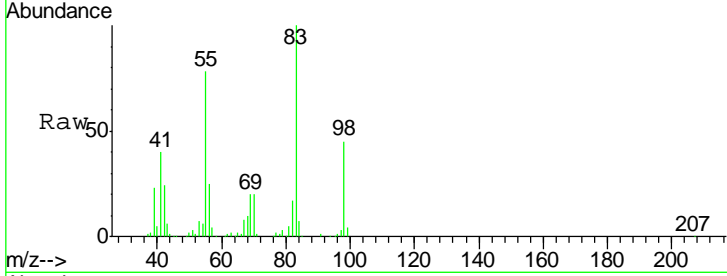
Tgt Ion	Resp	Lower	Upper
117	100		
119	96.7	78.0	117.0
121	30.2	24.5	36.7





#39
 Methylcyclohexane
 Concen: 19.65 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

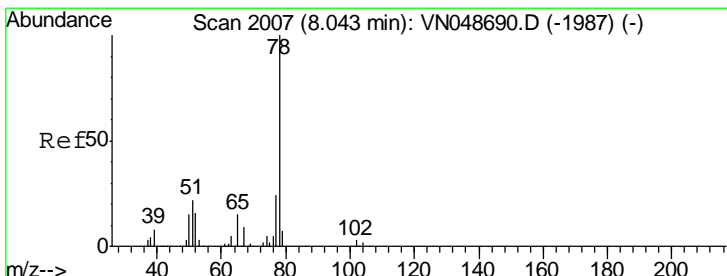
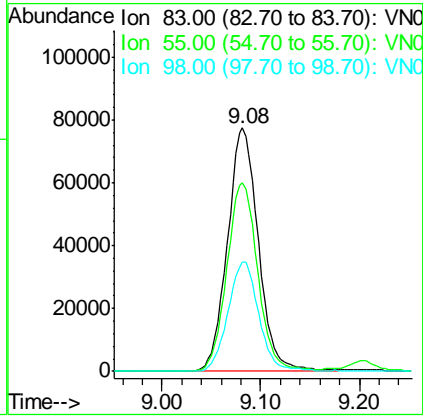
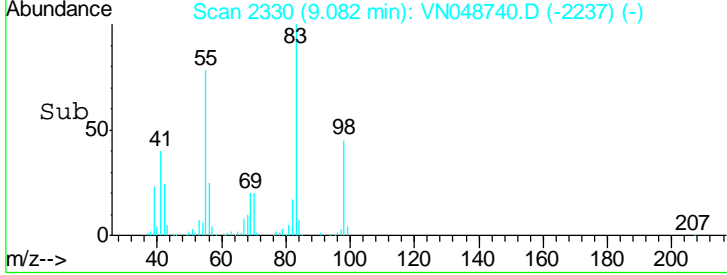
Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS01



Tgt Ion: 83 Resp: 169426

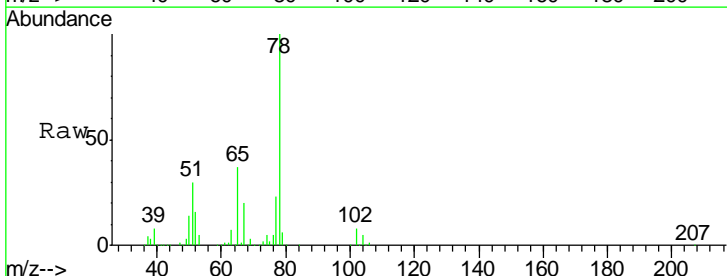
Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.7	92.5
98	44.9	36.8	55.2

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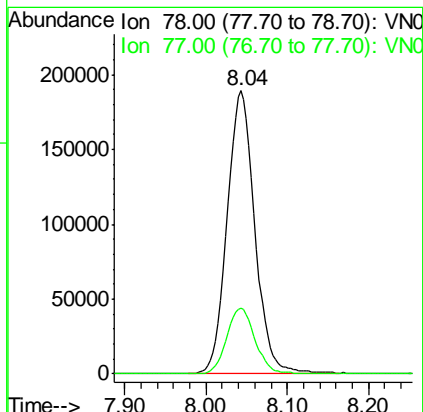
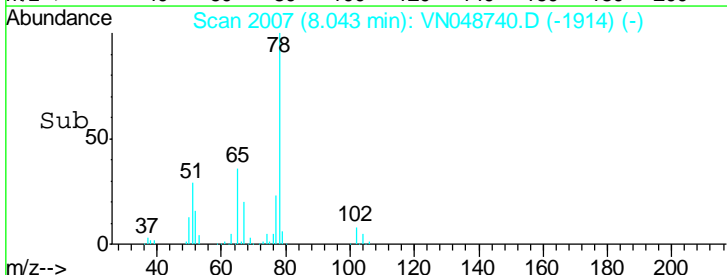
#40
 Benzene
 Concen: 19.62 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

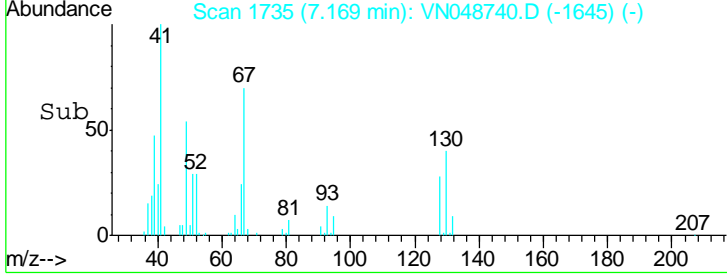
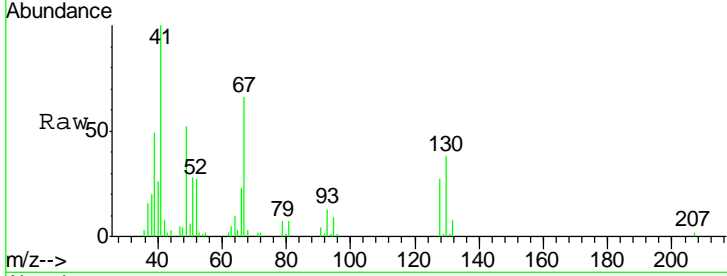
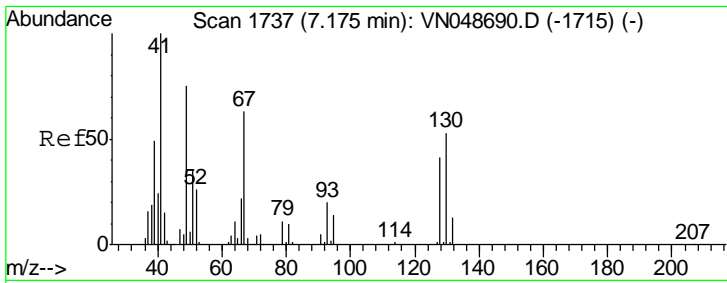
1
 2
 3
 4
 5
 6
 7
 8
 9
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 11
 12
 13
 14
 15
 16



Tgt Ion: 78 Resp: 453936

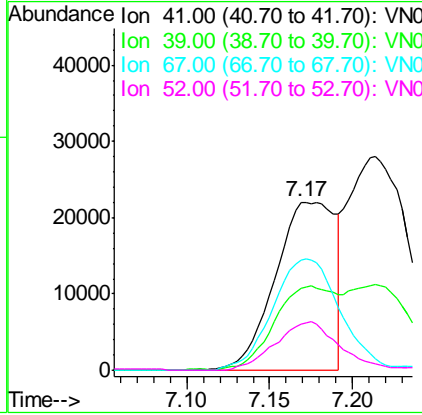
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.7	28.1





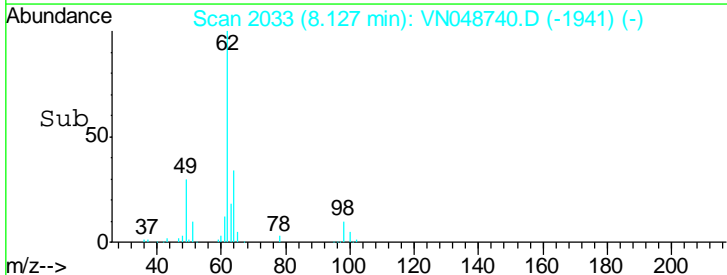
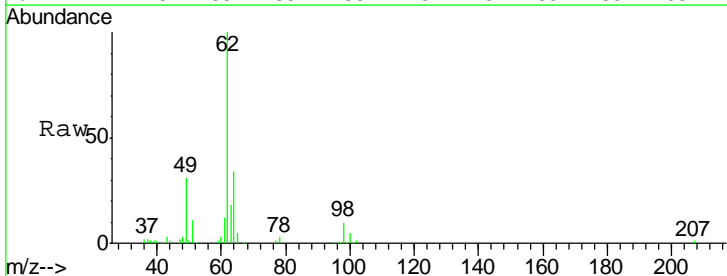
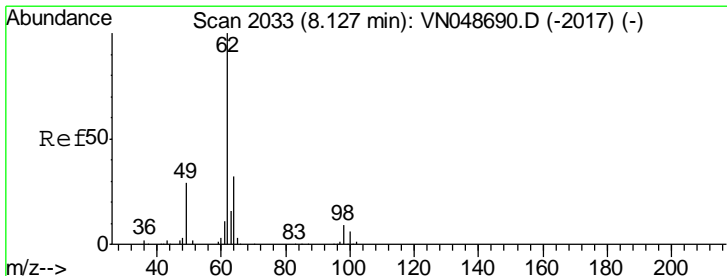
#41
 Methacrylonitrile
 Concen: 21.16 ug/l
 RT: 7.17 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
41	100		
39	50.1	47.4	71.2
67	74.1	62.4	93.6
52	30.9	25.6	38.4



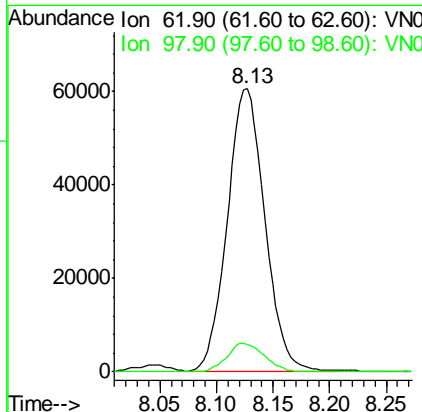
Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

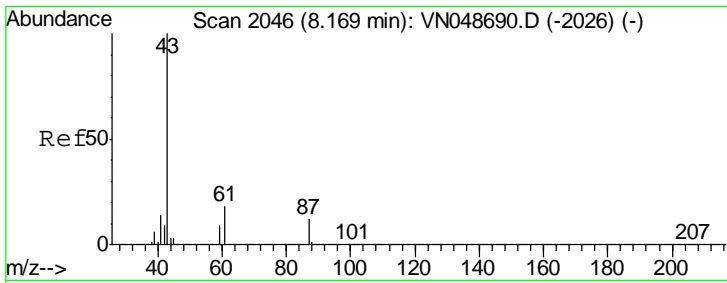
Manual Integrations
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#42
 1,2-Dichloroethane
 Concen: 19.33 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.1	0.0	18.2





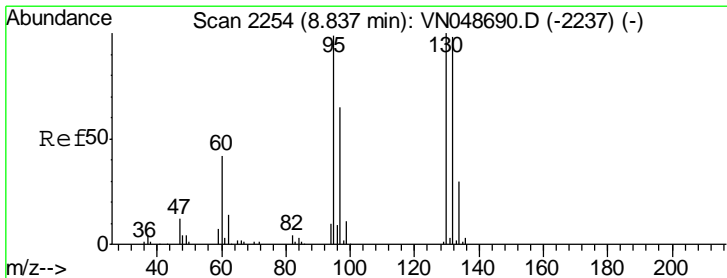
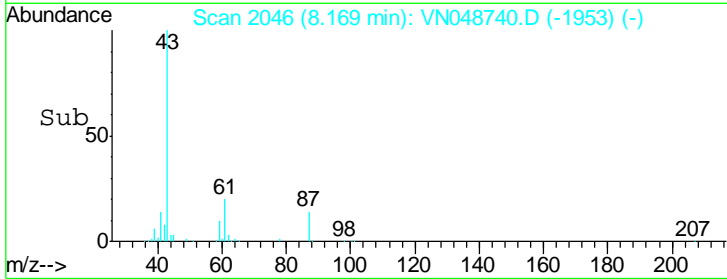
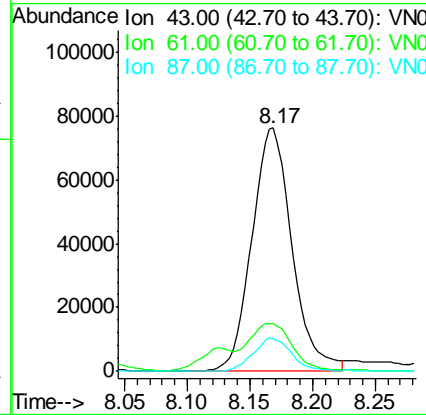
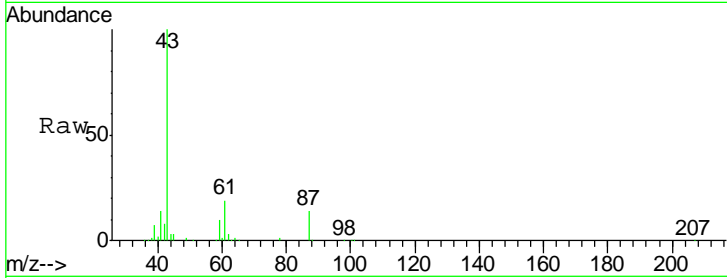
#43
 Isopropyl Acetate
 Concen: 19.40 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS01

Tgt Ion	Resp	Lower	Upper
43	169992		
61	20.2	22.2	33.2#
87	13.1	10.6	15.8

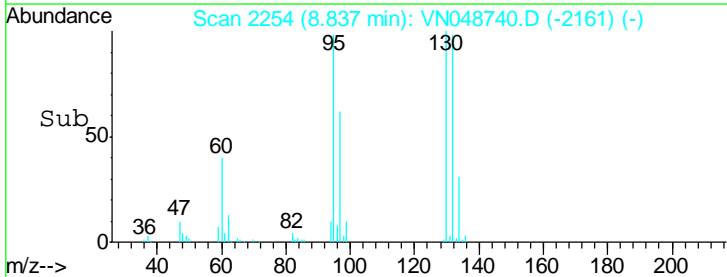
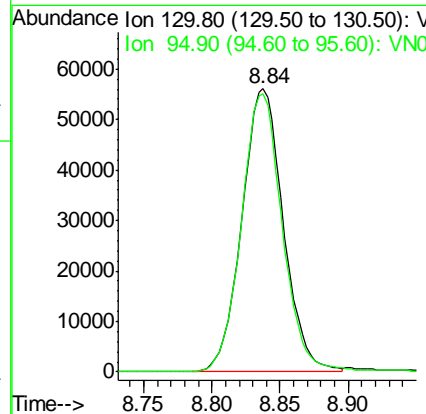
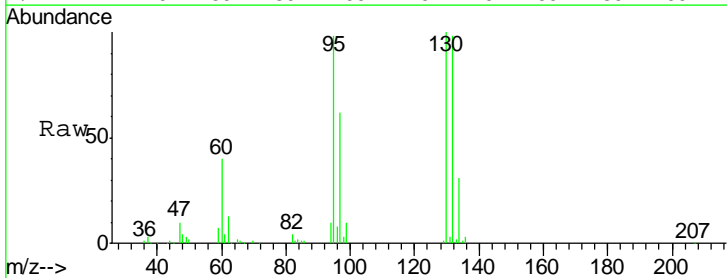
Manual Integrations
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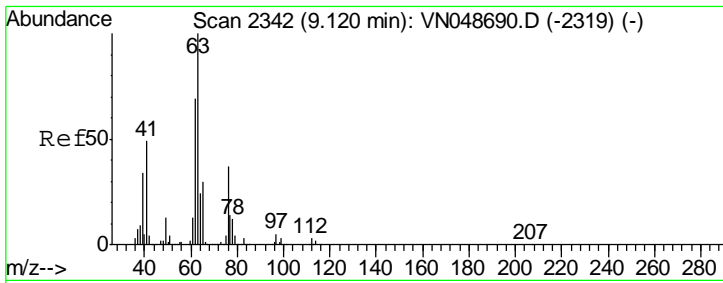
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#44
 Trichloroethene
 Concen: 19.82 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
130	118044		
95	98.2	0.0	191.6



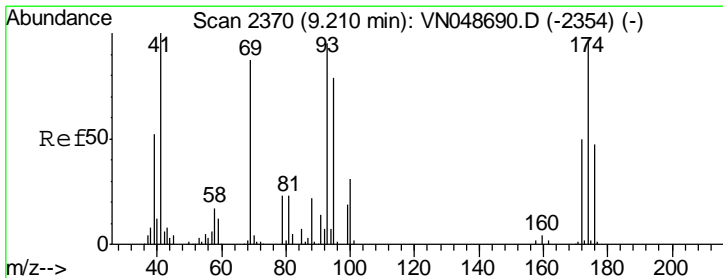
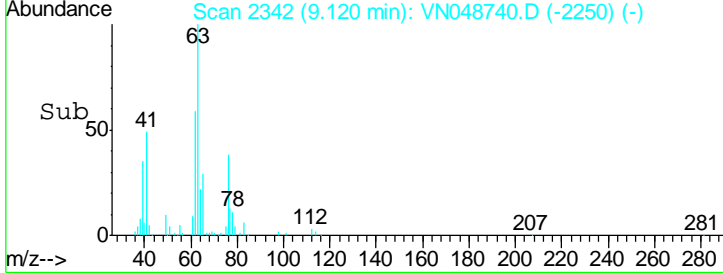
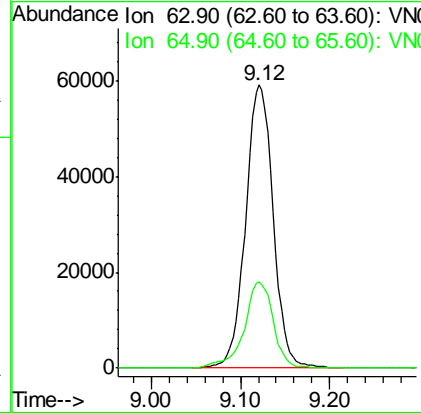
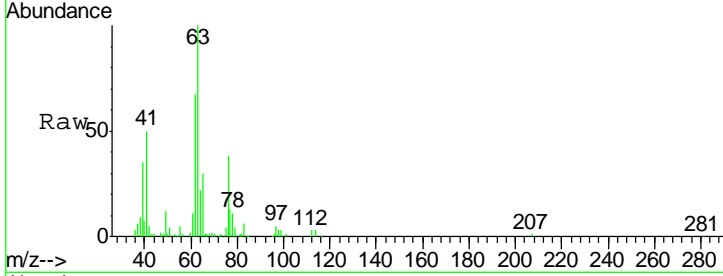


#45
 1,2-Dichloropropane
 Concen: 20.16 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
63	127010		
65	30.3	23.9	35.9

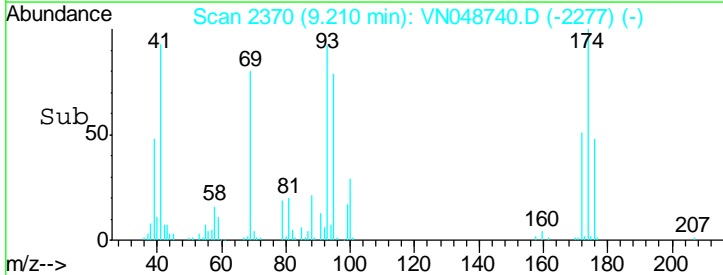
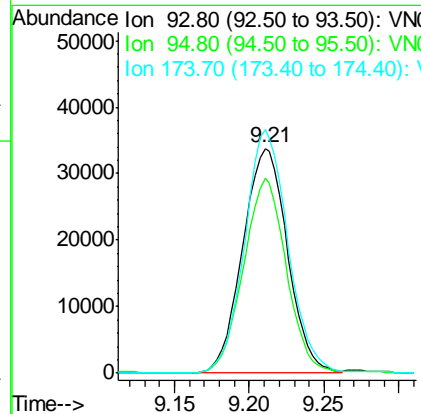
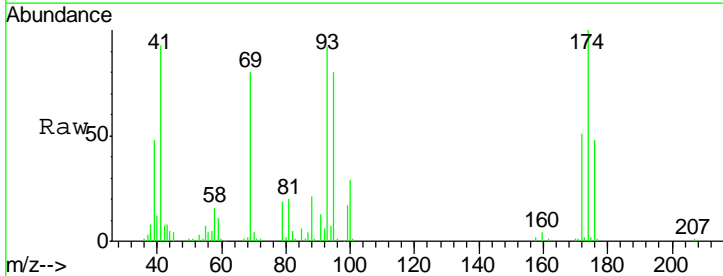
Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

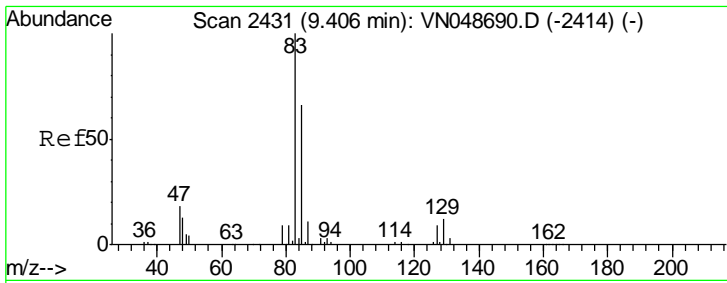
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#46
 Dibromomethane
 Concen: 19.95 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
93	70469		
95	83.1	66.7	100.1
174	105.1	87.7	131.5



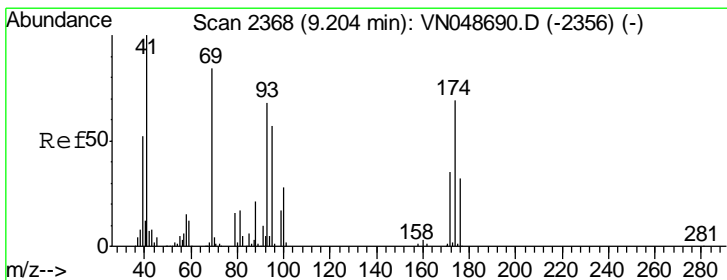
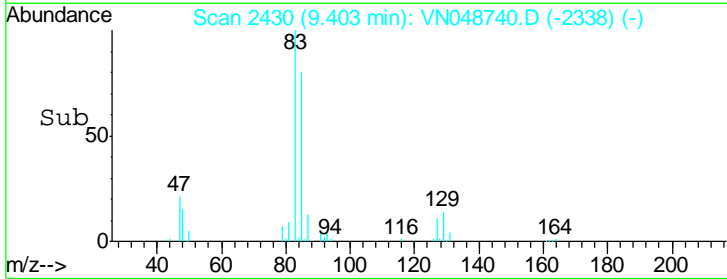
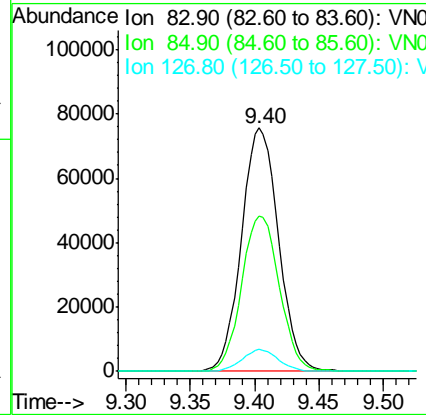
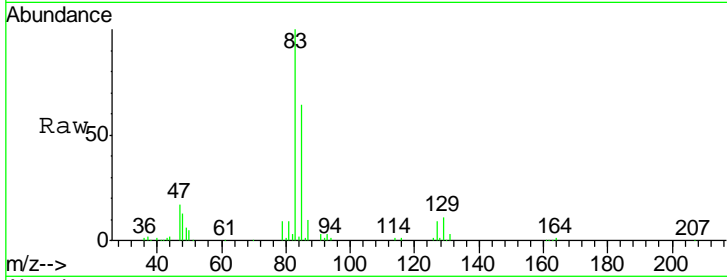


#47
 Bromodichloromethane
 Concen: 19.17 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS01

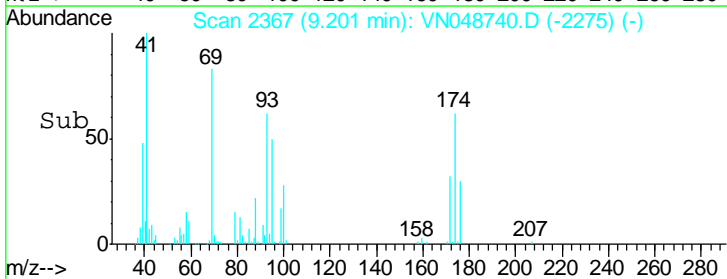
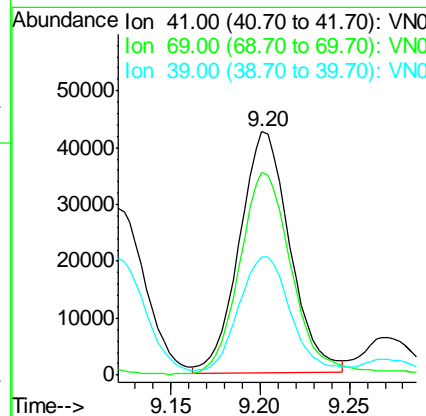
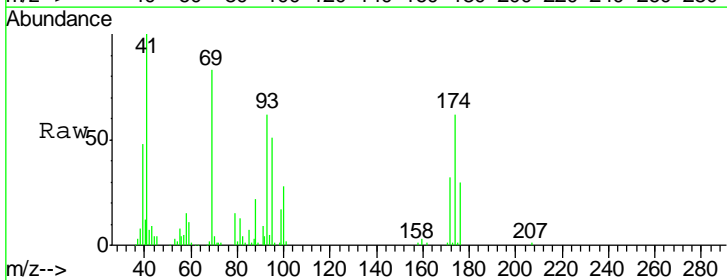
Tgt Ion	Resp	Lower	Upper
83	151475		
85	63.9	52.1	78.1
127	8.8	7.3	10.9

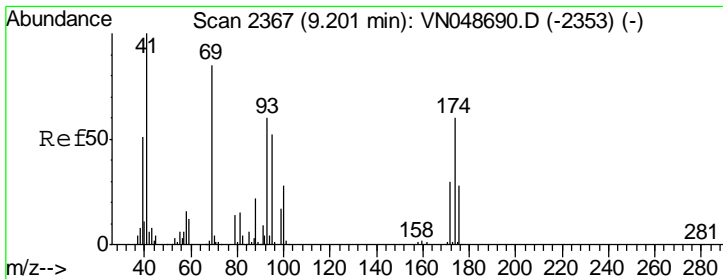
Manual Integrations
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#48
 Methyl methacrylate
 Concen: 19.68 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
41	83308		
69	87.7	68.6	103.0
39	51.3	42.3	63.5



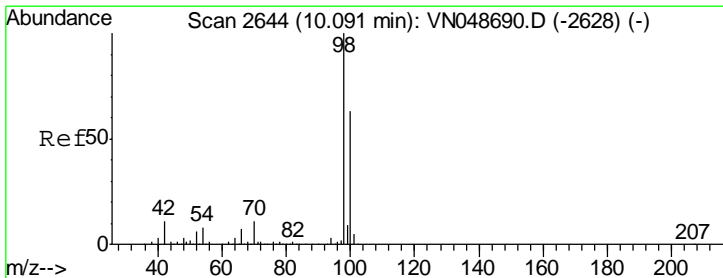
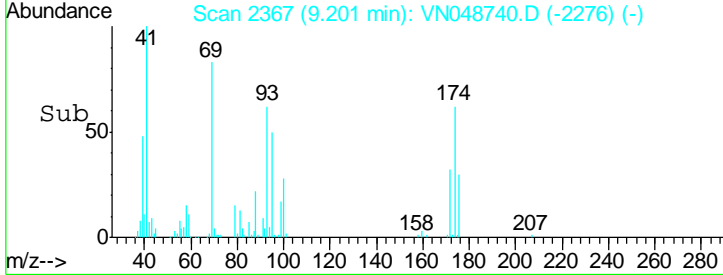
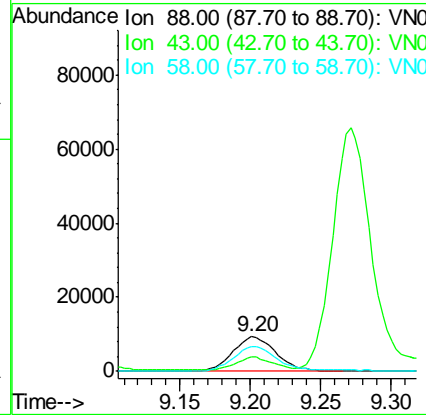
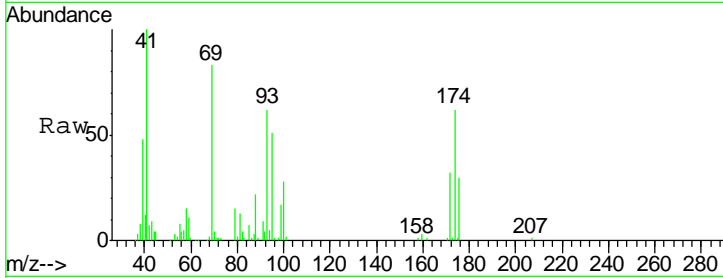


#49
 1,4-Dioxane
 Concen: 395.22 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.01 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

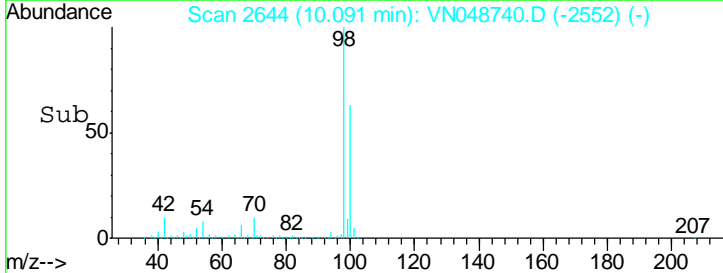
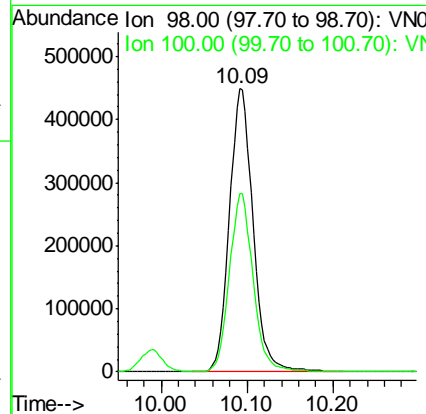
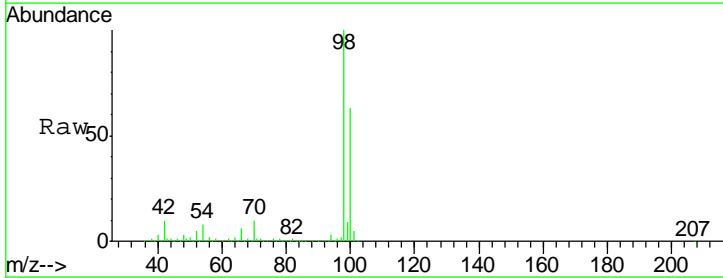
Tgt Ion	Resp	Lower	Upper
88	100		
43	30.4	27.6	41.4
58	71.4	57.0	85.6

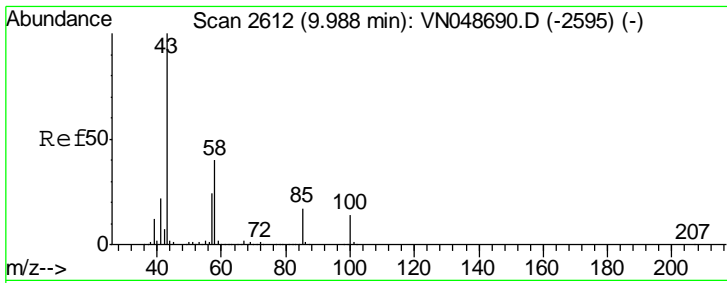
Manual Integrations
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#50
 Toluene-d8
 Concen: 47.76 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
98	100		
100	62.7	51.2	76.8



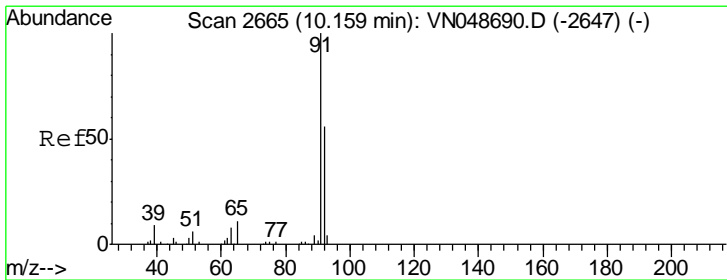
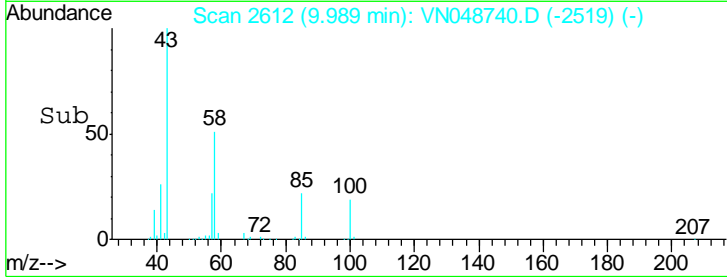
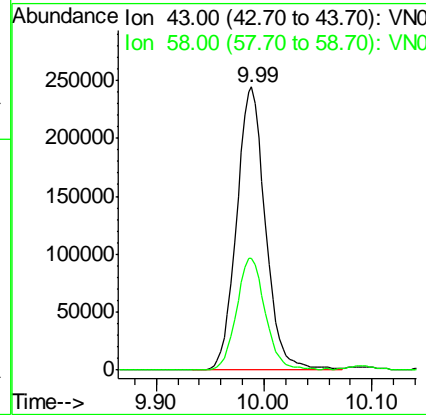
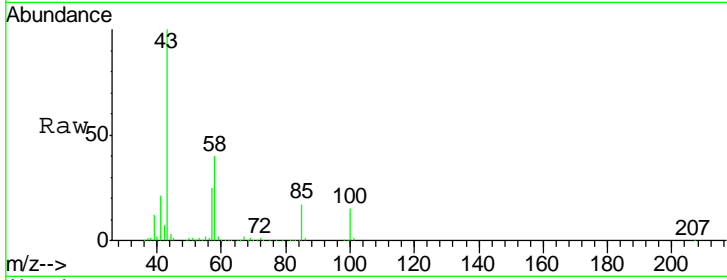


#51
 4-Methyl-2-Pentanone
 Concen: 98.60 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
43	100		
58	39.5	31.0	46.6

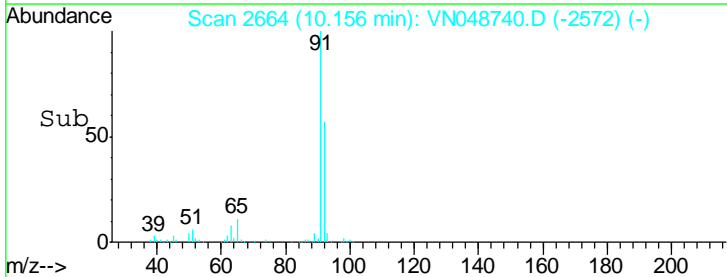
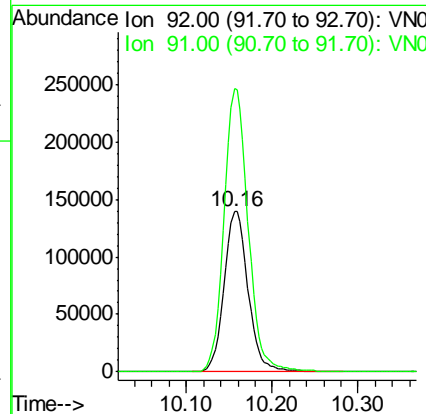
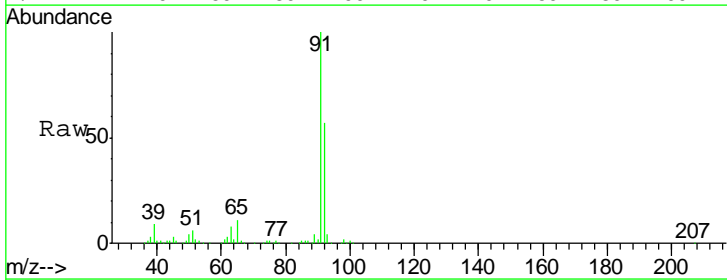
Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

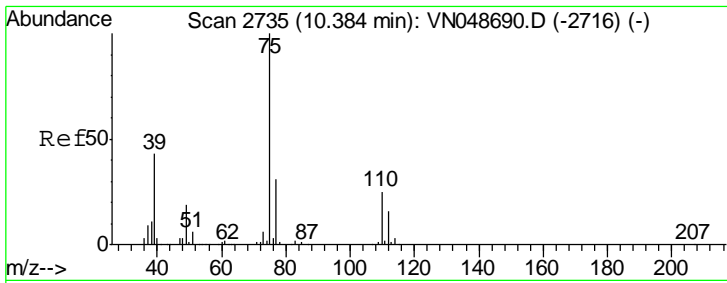
Manual Integrations
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#52
 Toluene
 Concen: 19.92 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
92	100		
91	177.1	141.0	211.4



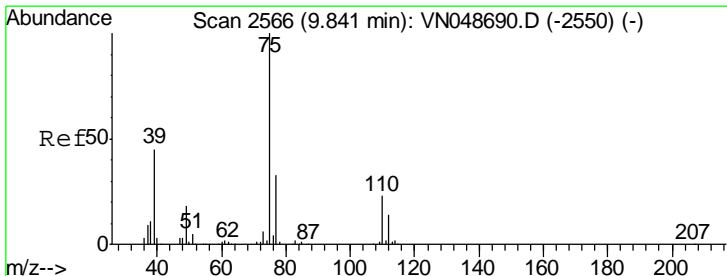
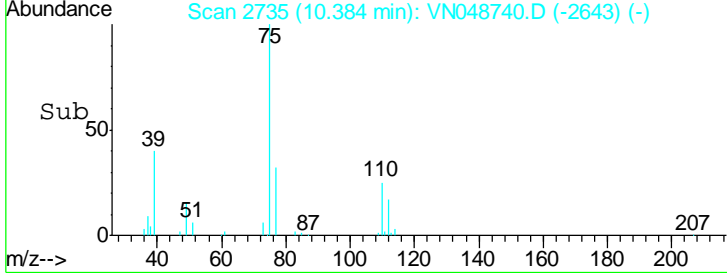
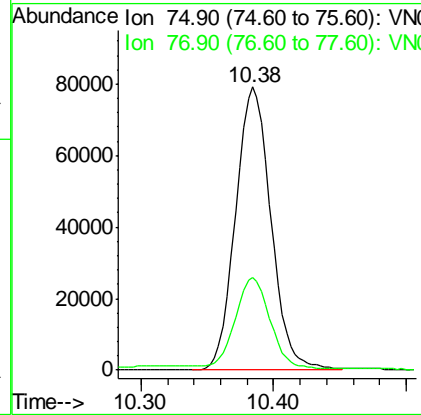
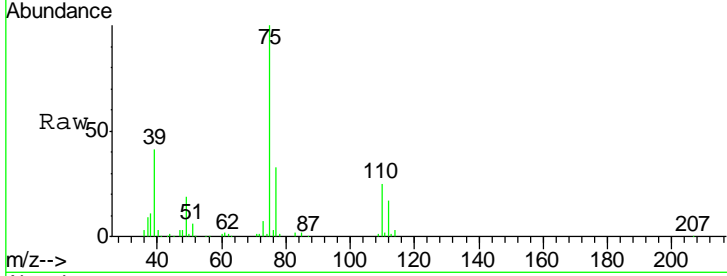


#53
 t-1,3-Dichloropropene
 Concen: 18.52 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

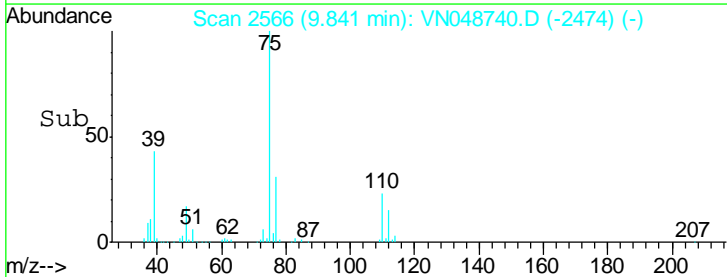
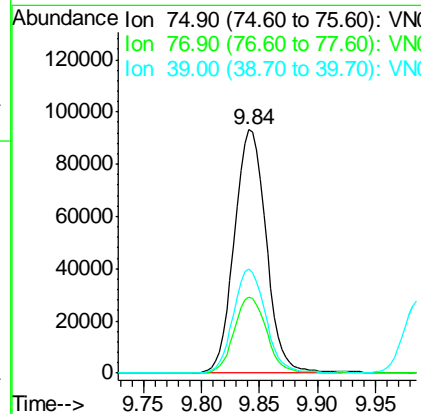
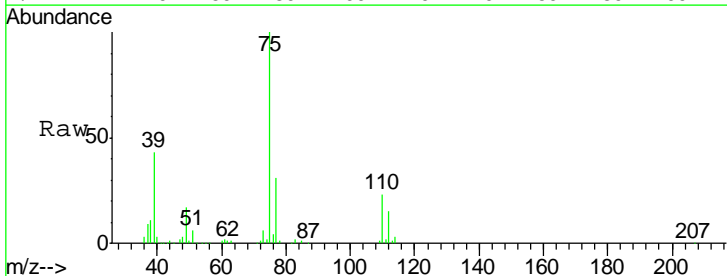
Tgt Ion	Resp	Lower	Upper
75	147153		
75	100		
77	32.1	24.9	37.3

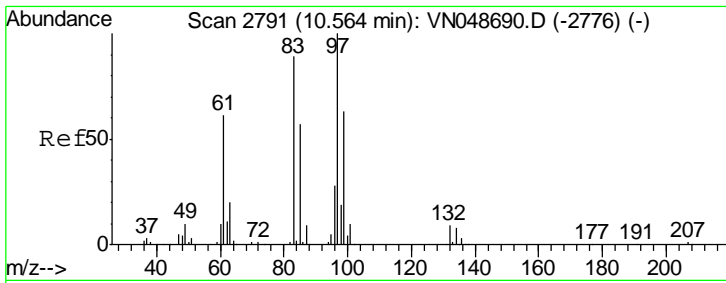
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 19.29 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
75	178216		
75	100		
77	31.3	25.1	37.7
39	42.7	36.7	55.1



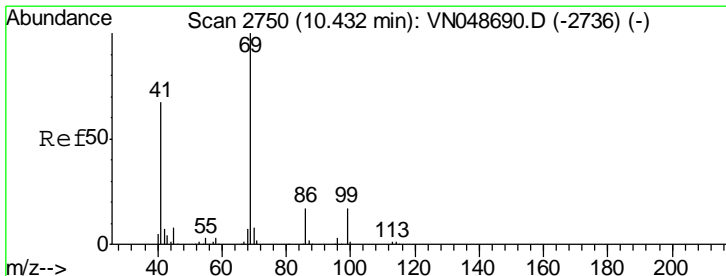
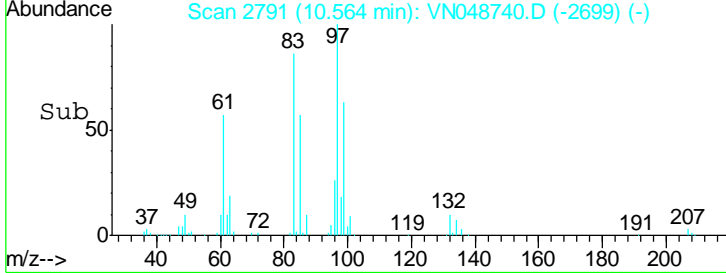
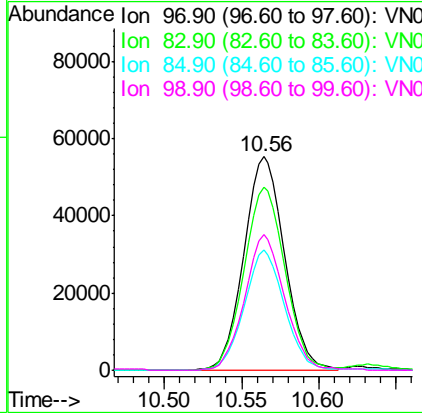
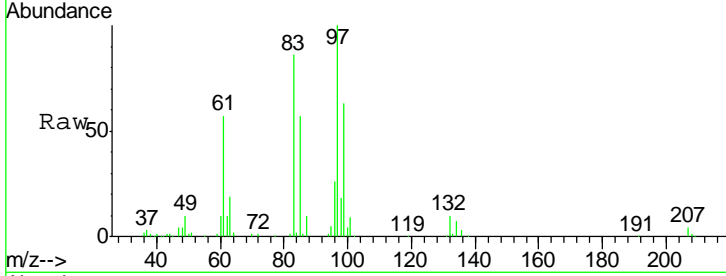


#55
 1,1,2-Trichloroethane
 Concen: 20.62 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

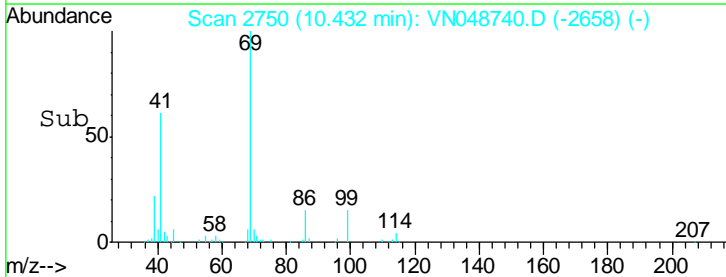
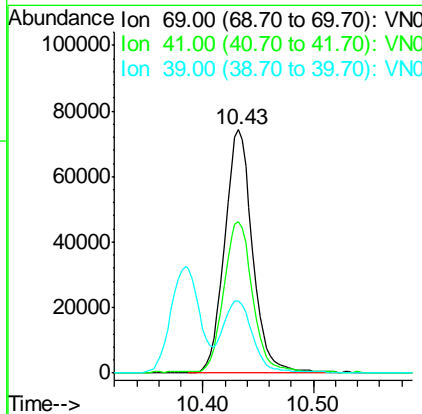
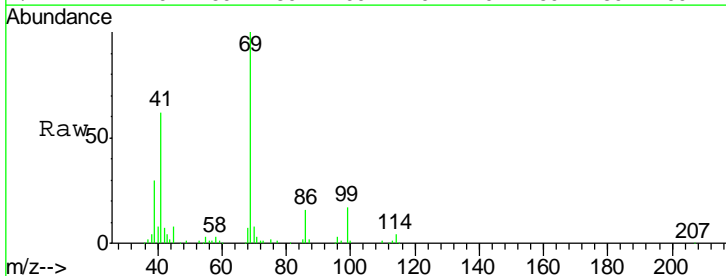
Tgt Ion	Resp	Lower	Upper
97	101132		
97	100		
83	86.0	68.7	103.1
85	56.5	43.4	65.2
99	63.5	49.6	74.4

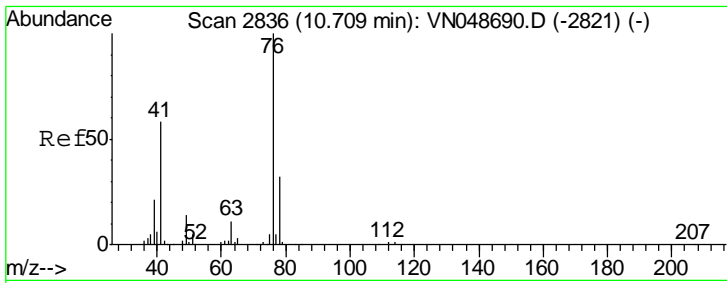
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 19.83 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
69	130834		
69	100		
41	63.0	52.3	78.5
39	30.6	26.4	39.6



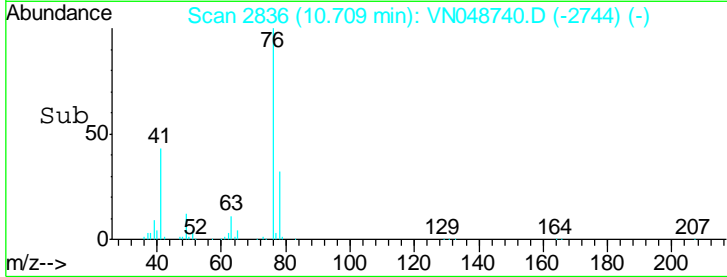
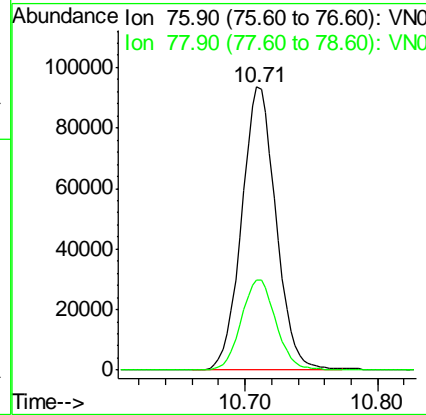
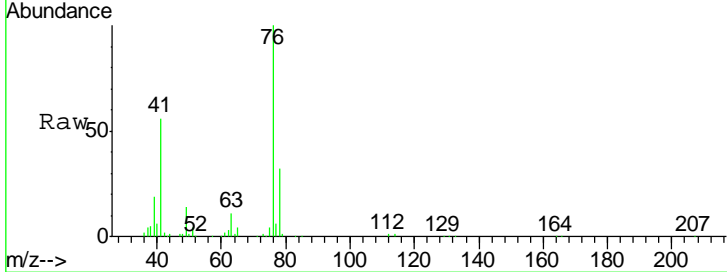


#57
 1,3-Dichloropropane
 Concen: 19.53 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

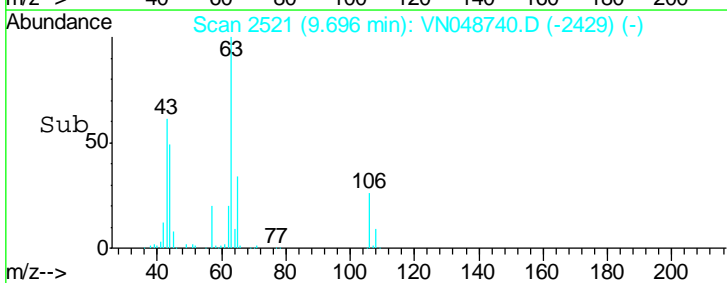
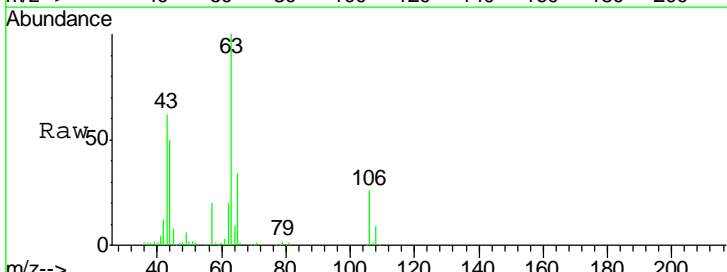
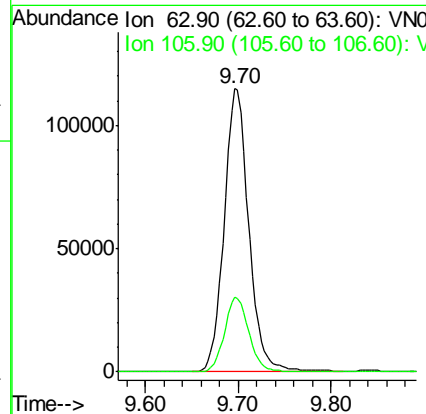
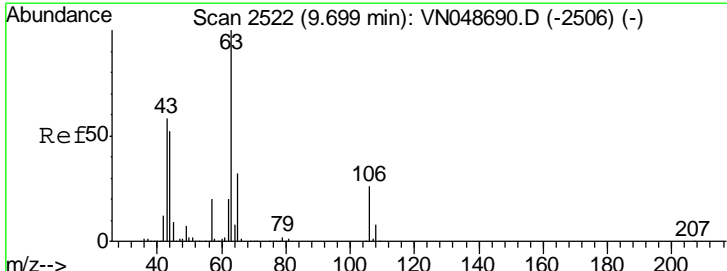
Tgt Ion	Resp	Lower	Upper
76	168242		
76	100		
78	32.3	25.7	38.5

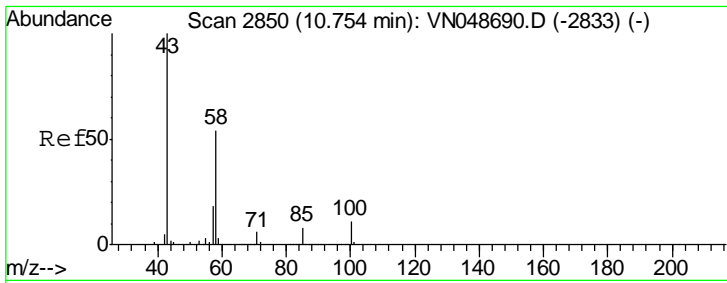
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 90.29 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
63	211935		
63	100		
106	26.1	21.3	31.9



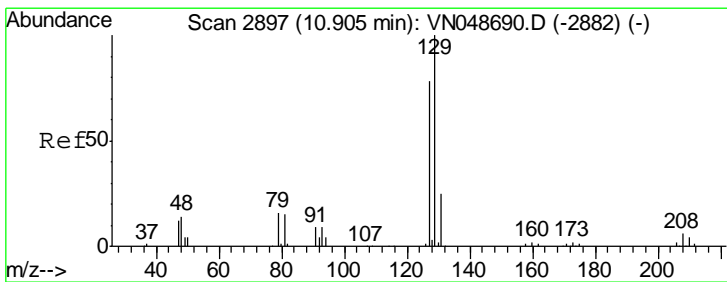
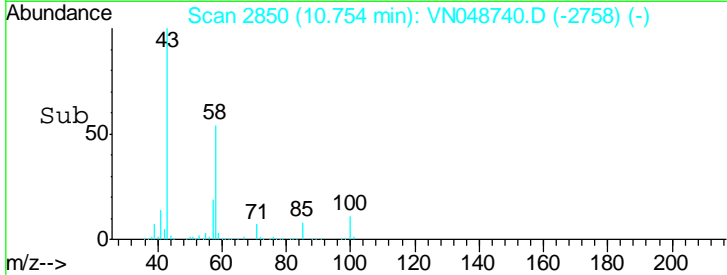
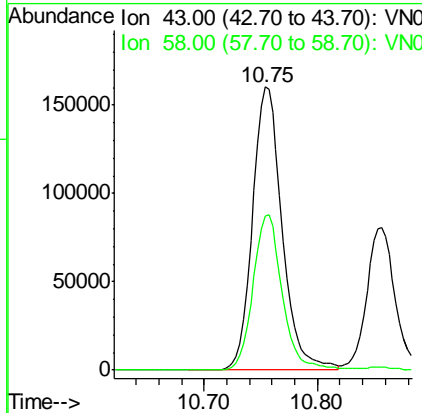
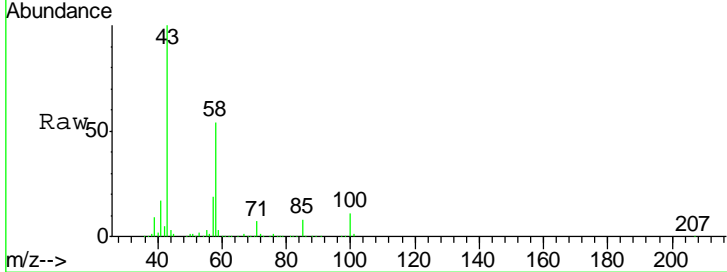


#59
 2-Hexanone
 Concen: 95.95 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

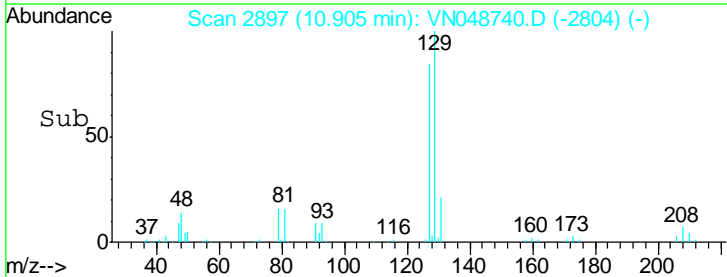
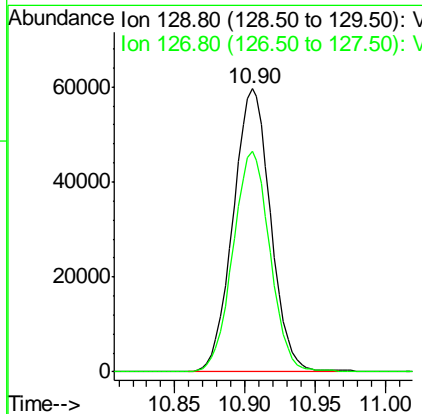
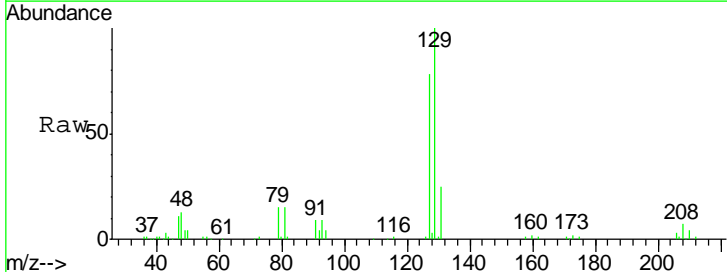
Tgt Ion	Resp	Lower	Upper
43	100		
58	53.8	27.4	82.0

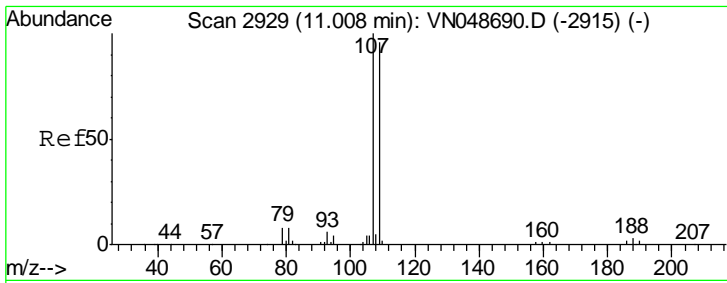
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#60
 Dibromochloromethane
 Concen: 19.30 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.1	38.8	116.4





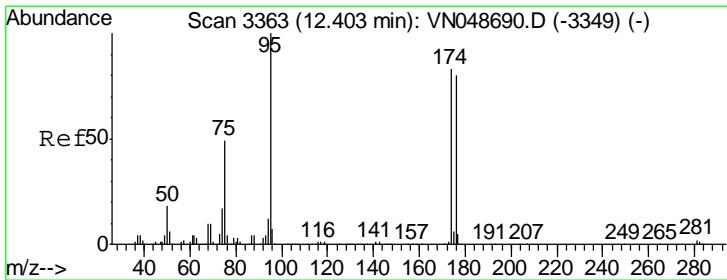
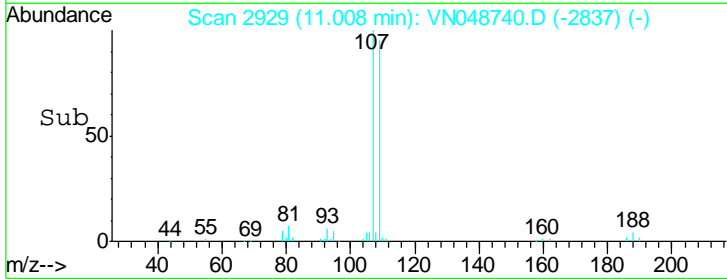
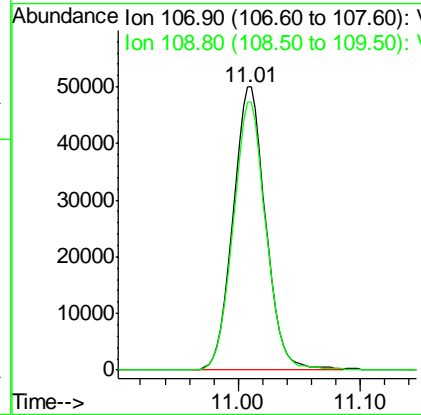
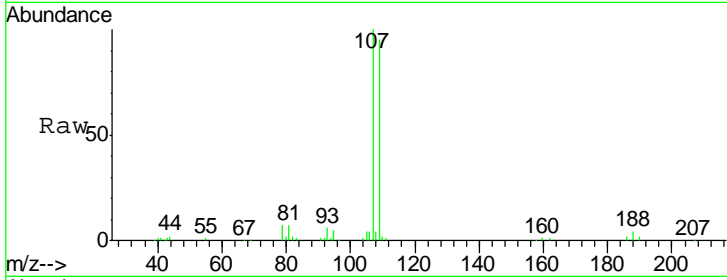
#61
 1,2-Dibromoethane
 Concen: 19.20 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

Tgt Ion	Resp	Lower	Upper
107	100		
109	95.2	74.4	111.6

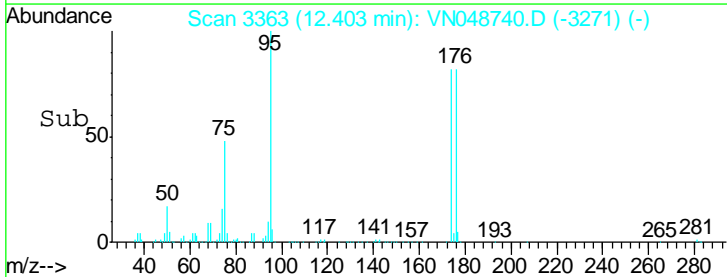
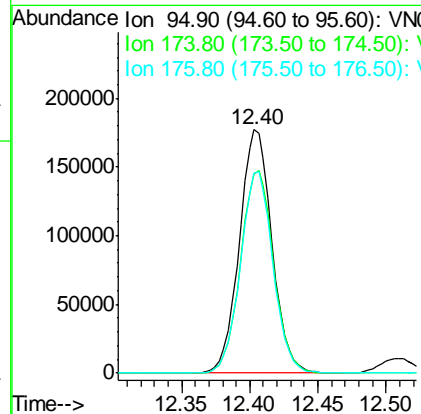
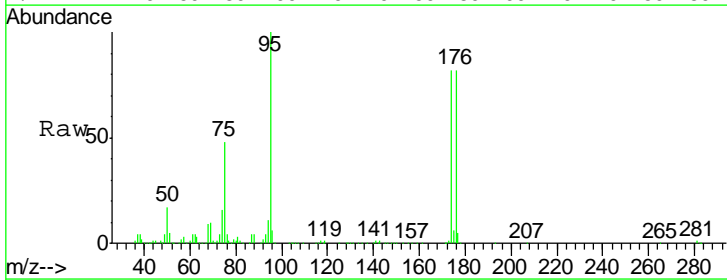
Manual Integrations
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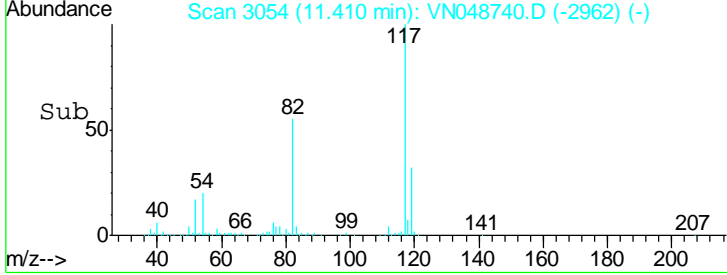
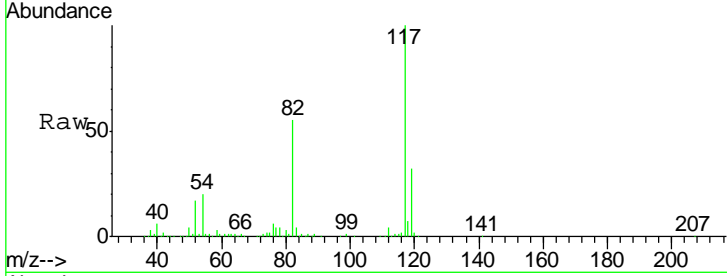
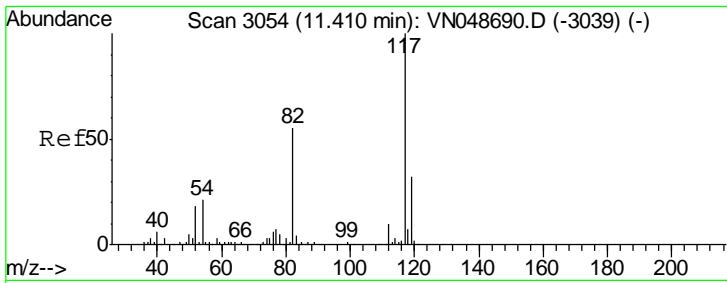
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 5/31/2018 3:07:03 PM



#62
 4-Bromofluorobenzene
 Concen: 47.11 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
95	100		
174	84.8	0.0	173.8
176	82.7	0.0	170.0



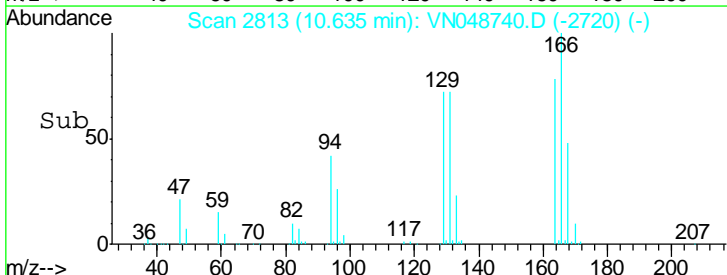
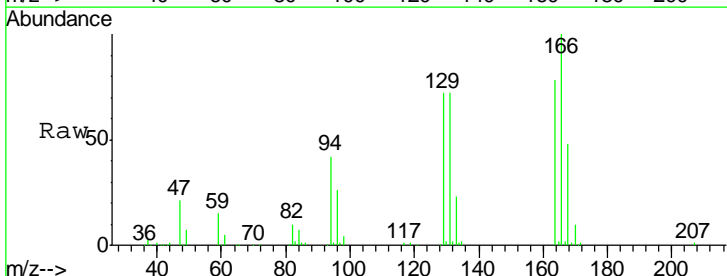
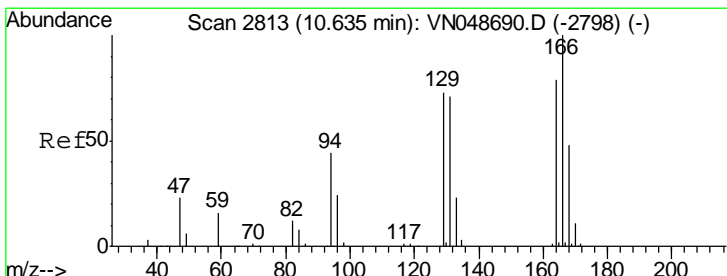
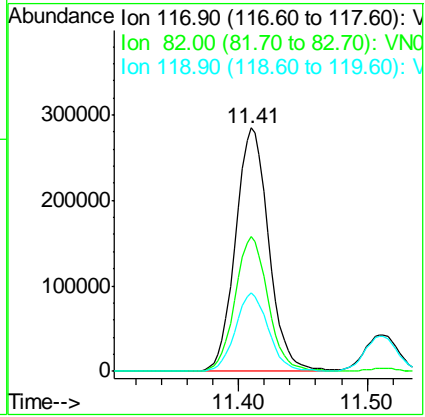


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
117	510707		
82	55.2	42.8	64.2
119	32.0	26.0	39.0

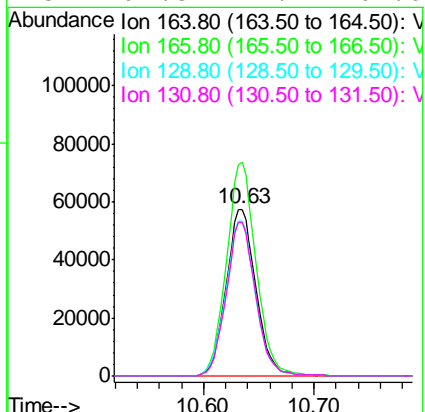
Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

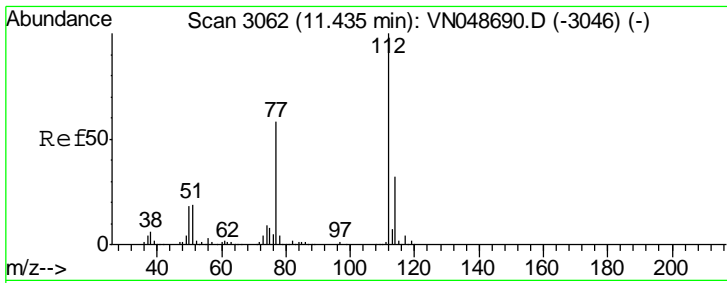
Manual Integrations
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#64
 Tetrachloroethene
 Concen: 20.76 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
164	107332		
166	128.3	102.7	154.1
129	92.8	74.3	111.5
131	92.3	71.4	107.0



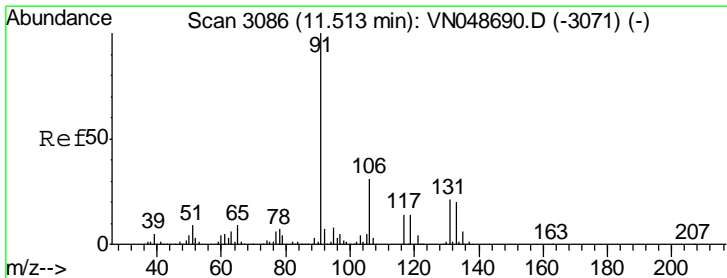
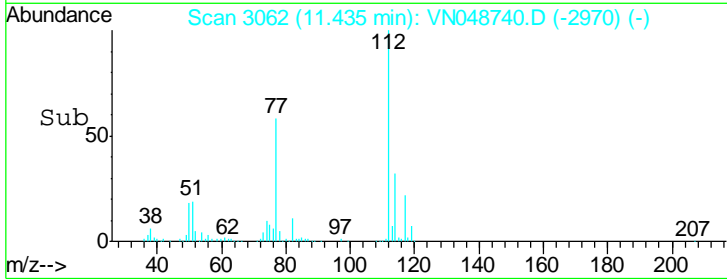
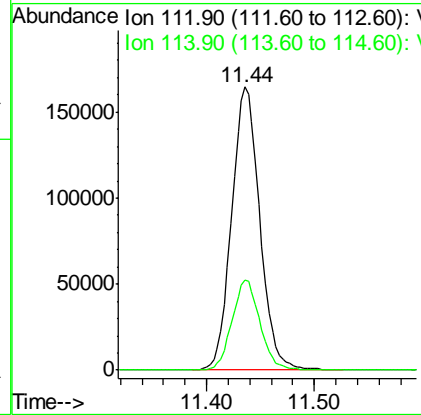
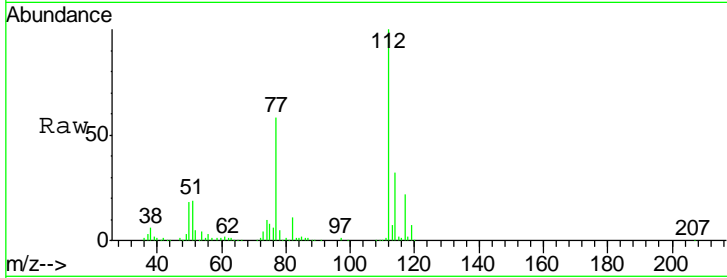


#65
 Chlorobenzene
 Concen: 20.00 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 Client Sampled : VN0530WBS01

Tgt Ion	Resp	Lower	Upper
112	299183		
114	32.1	25.6	38.4

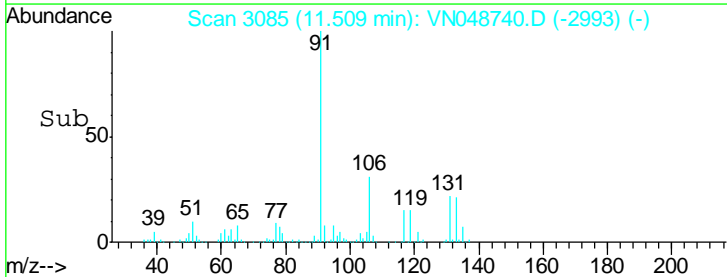
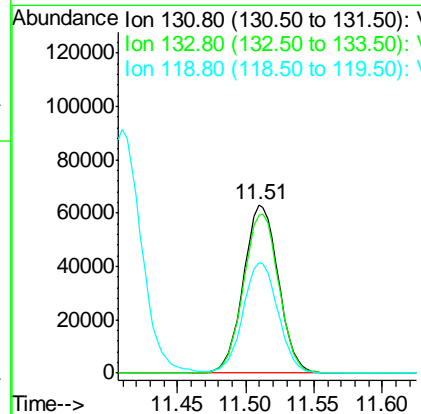
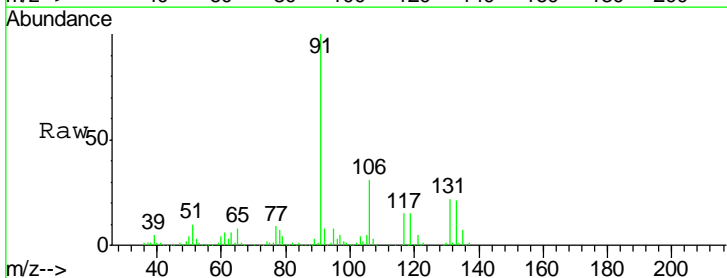
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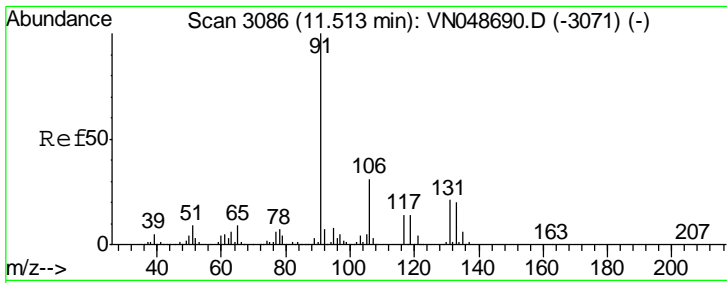


#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.98 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 Client Sampled : VN0530WBS01

Tgt Ion	Resp	Lower	Upper
131	112486		
133	95.2	47.8	143.4
119	65.4	33.1	99.3



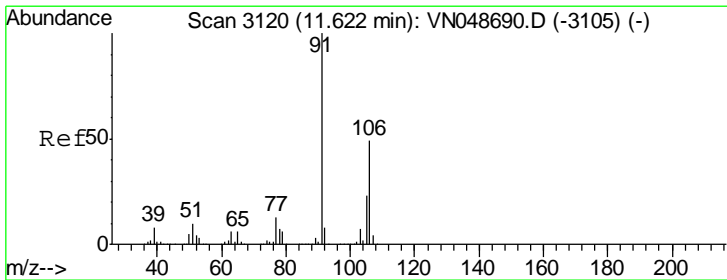
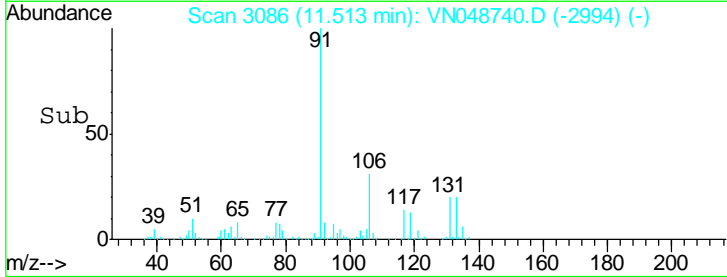
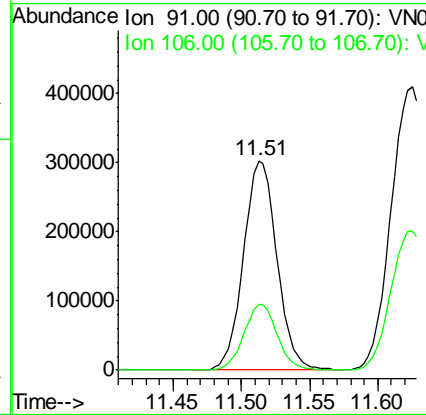
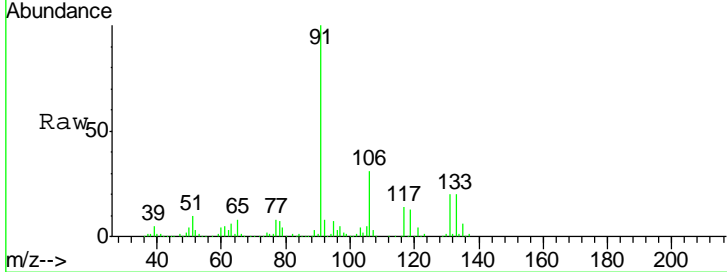


#67
Ethyl Benzene
Concen: 19.93 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN048740.D
Acq: 30 May 2018 15:00

Instrument : MSVOA_N
ClientSampled : VN0530WBS01

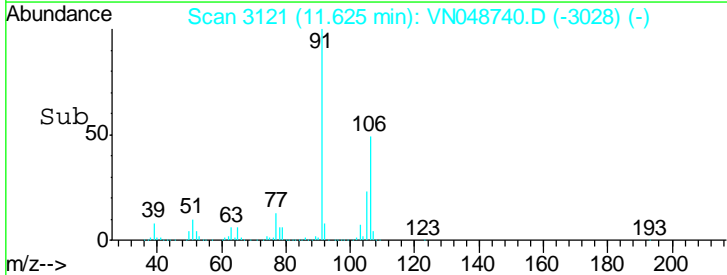
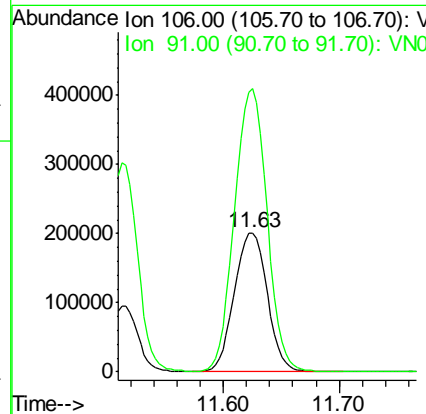
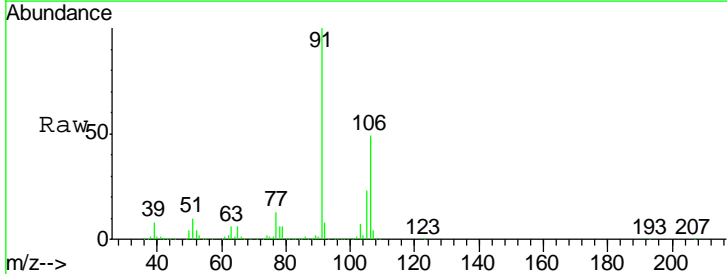
Tgt Ion	Resp	Lower	Upper
91	100		
106	31.3	24.9	37.3

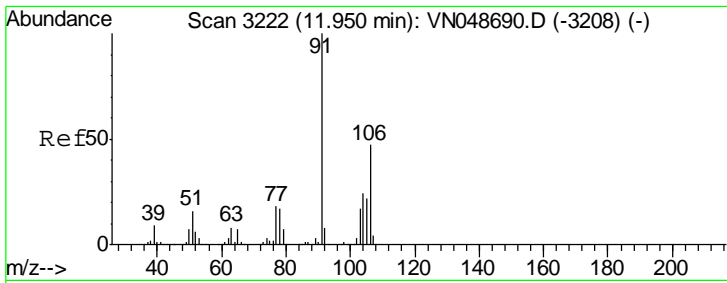
Manual Integrations
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#68
m/p-Xylenes
Concen: 40.58 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN048740.D
Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
106	100		
91	200.6	163.4	245.0



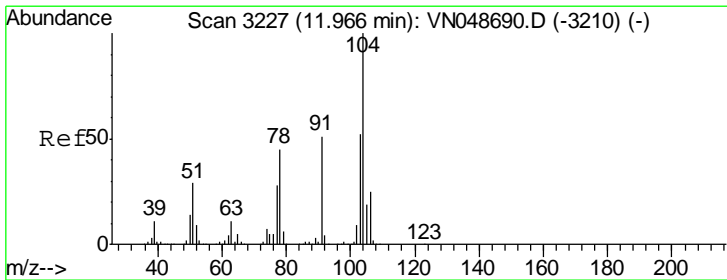
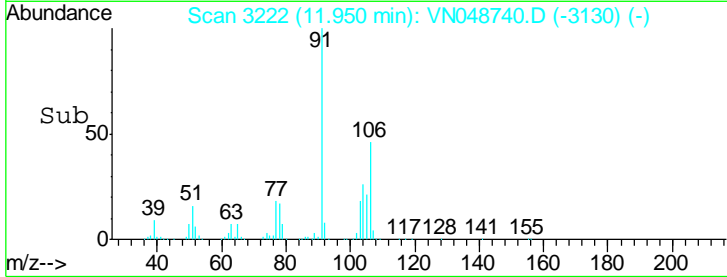
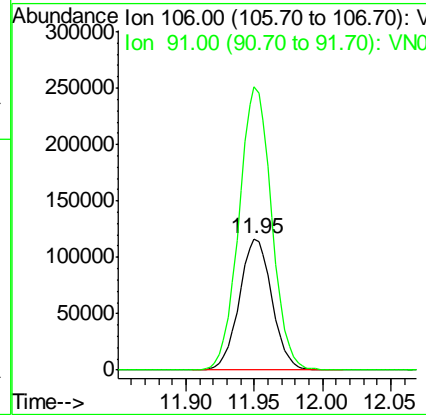
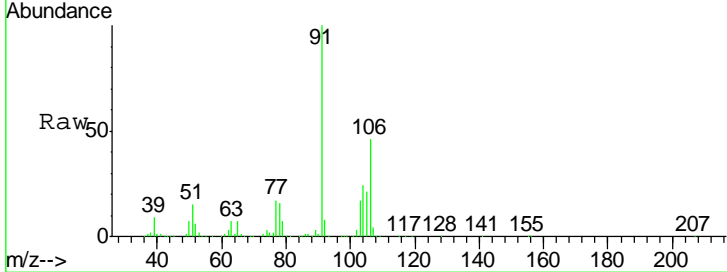


#69
 o-Xylene
 Concen: 20.53 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 Client Sampled : VN0530WBS01

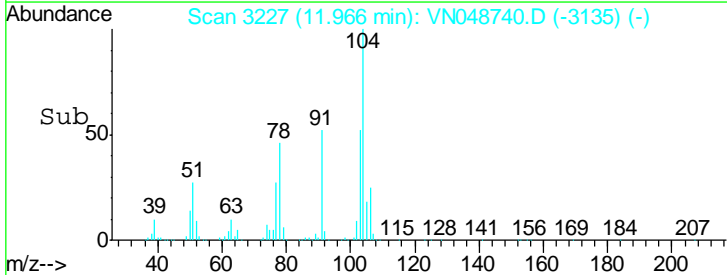
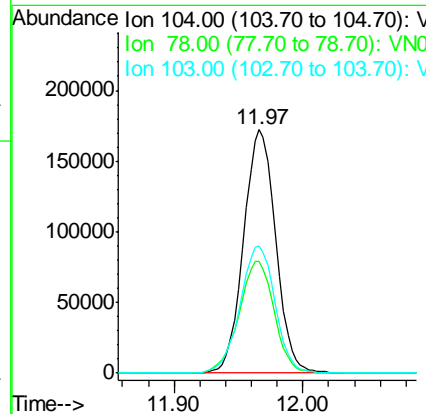
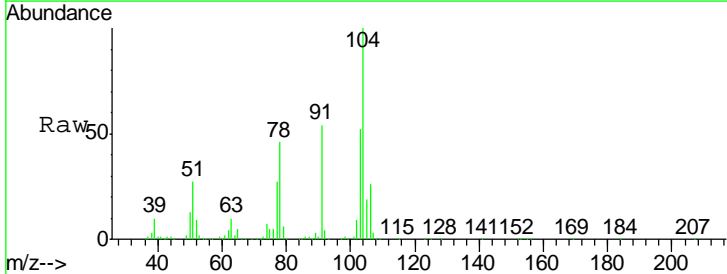
Tgt Ion	Resp	Lower	Upper
106	193316		
106	100		
91	216.0	107.9	323.7

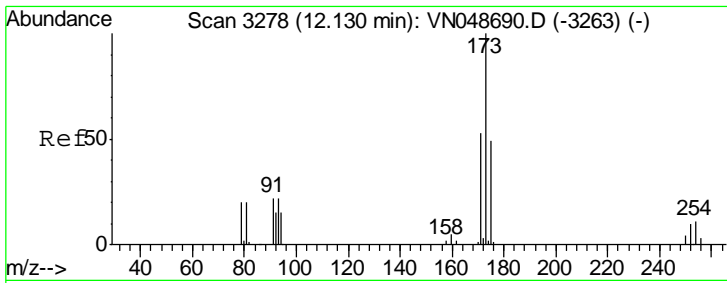
Manual Integrations
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#70
 Styrene
 Concen: 20.17 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
104	298557		
104	100		
78	50.5	39.8	59.8
103	56.9	44.6	66.8





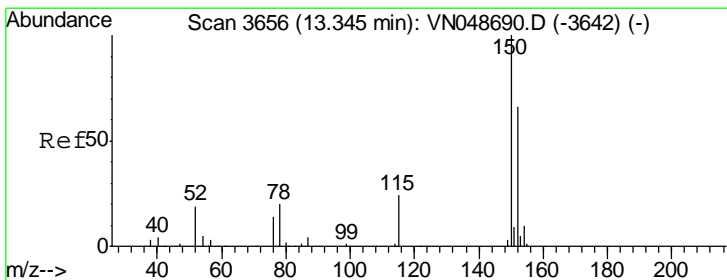
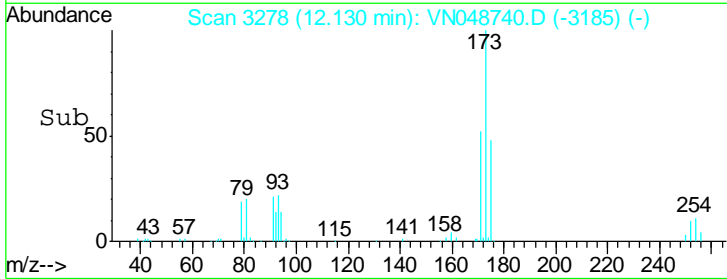
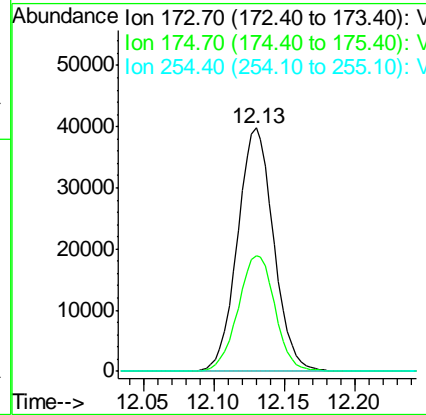
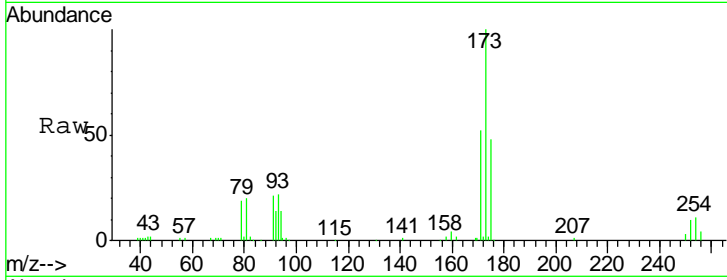
#71
 Bromoform
 Concen: 19.59 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.5	23.9	71.8
254	0.0	0.0	0.0

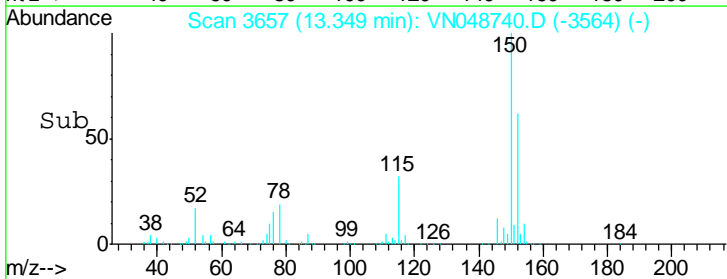
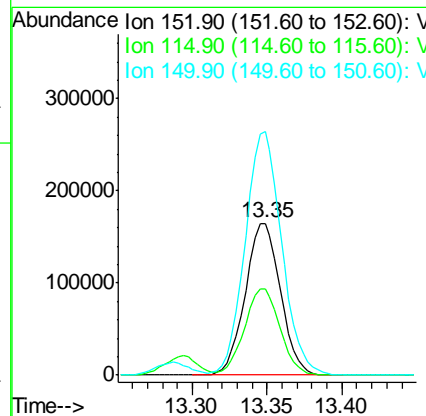
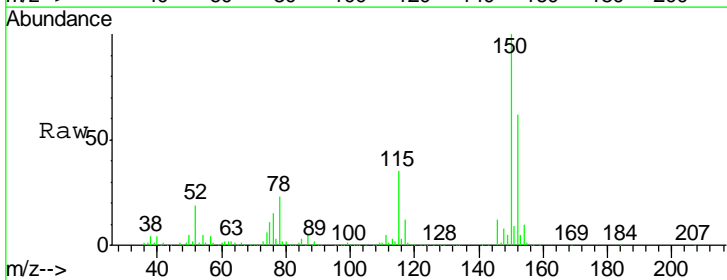
Manual Integrations
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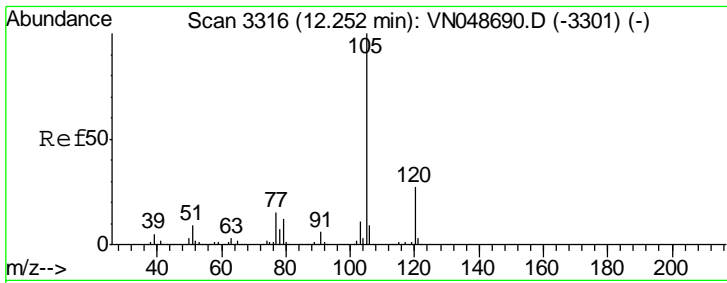
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.9	28.1	84.4
150	167.1	0.0	353.0



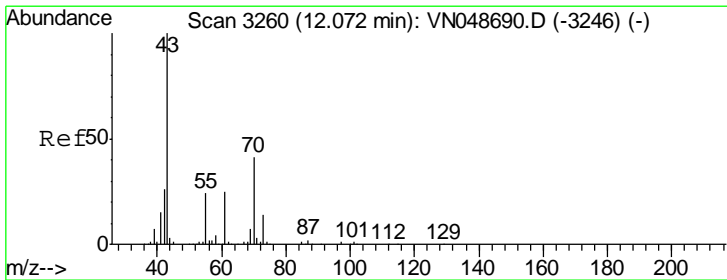
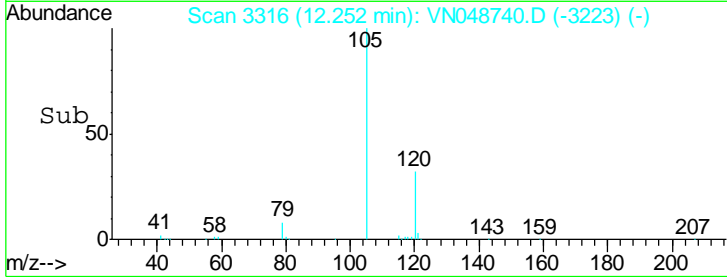
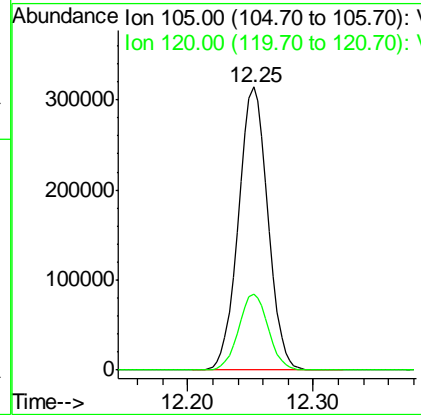
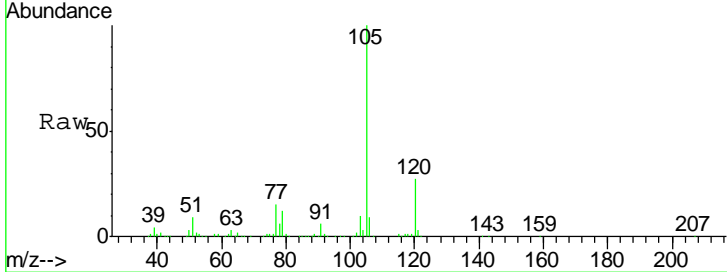


#73
 Isopropylbenzene
 Concen: 21.21 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

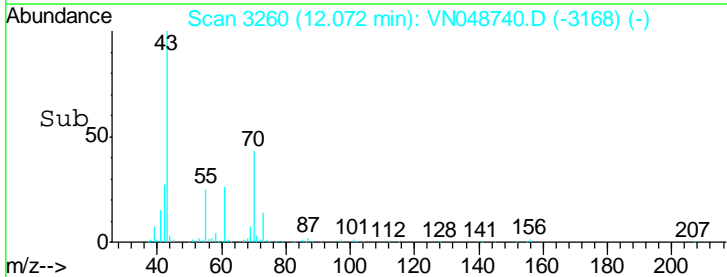
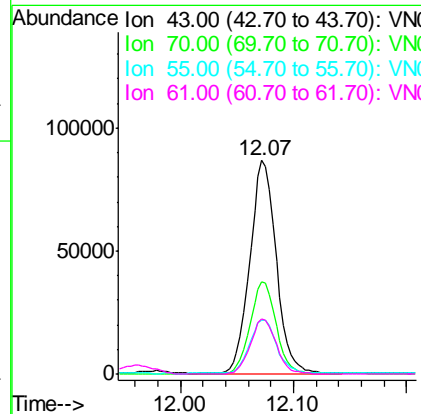
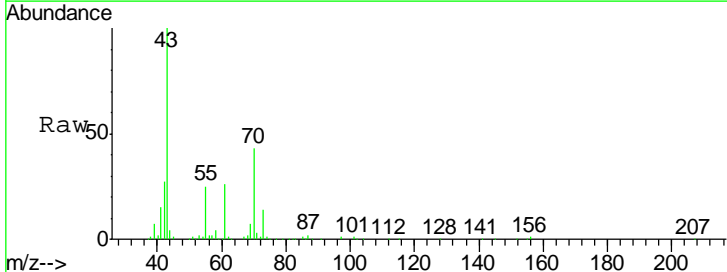
Tgt Ion	Resp	Lower	Upper
105	510919		
120	27.0	13.3	39.9

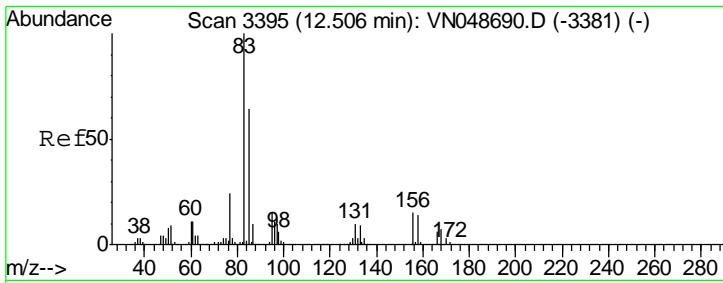
Manual Integrations
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 5/31/2018 3:07:03 PM



#74
 N-amil acetate
 Concen: 19.92 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
43	141274		
70	42.6	33.7	50.5
55	25.4	19.3	28.9
61	25.3	19.4	29.2



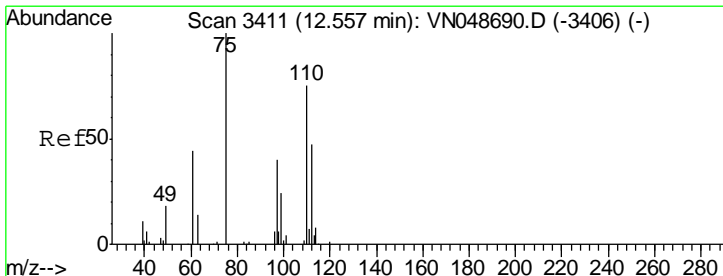
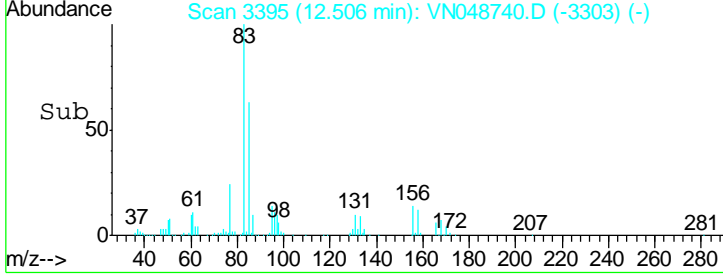
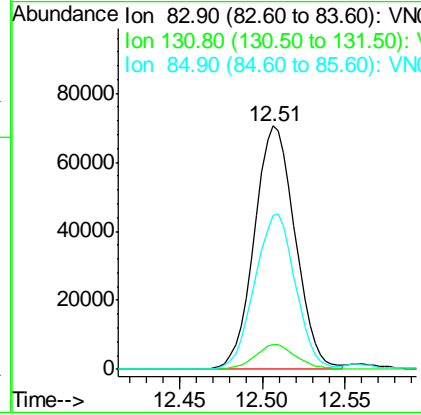
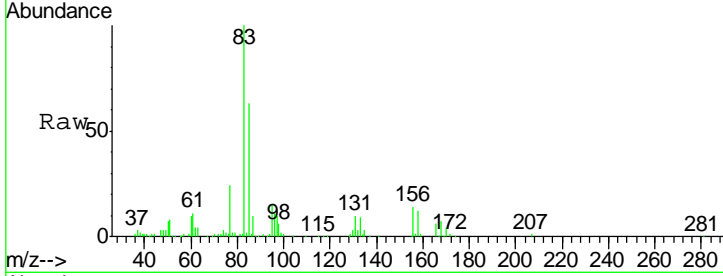


#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.34 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

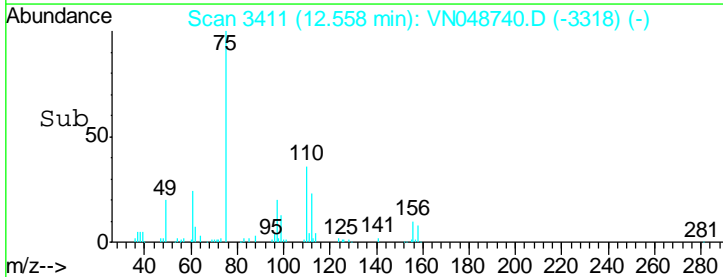
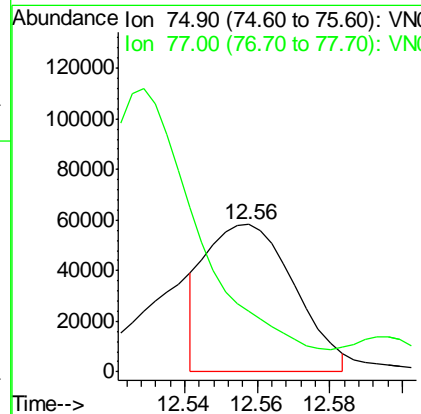
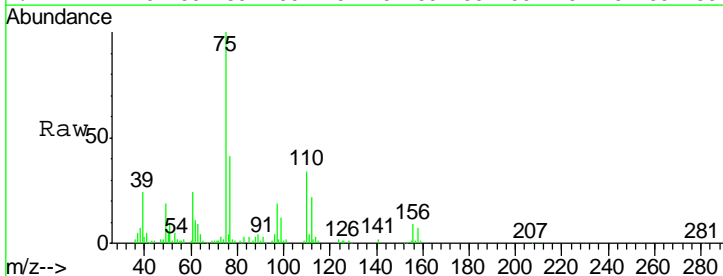
Tgt Ion	Resp	Lower	Upper
83	120632		
131	10.4	5.3	15.8
85	63.7	32.4	97.0

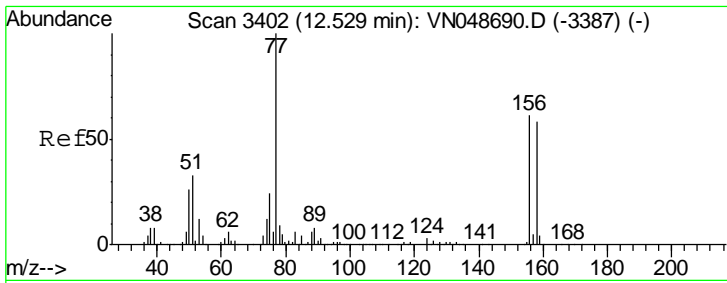
Manual Integrations
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#76
 1,2,3-Trichloropropane
 Concen: 21.11 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
75	98223		
77	0.0	0.0	0.0



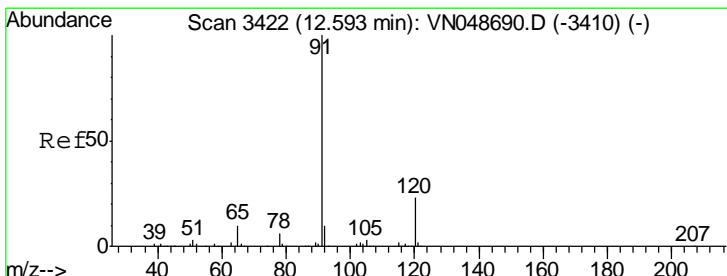
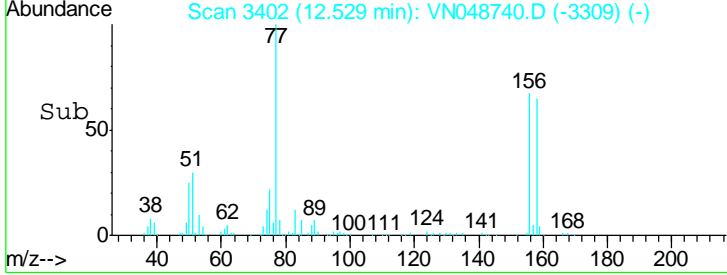
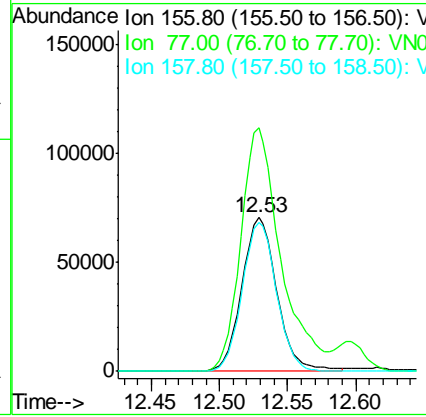
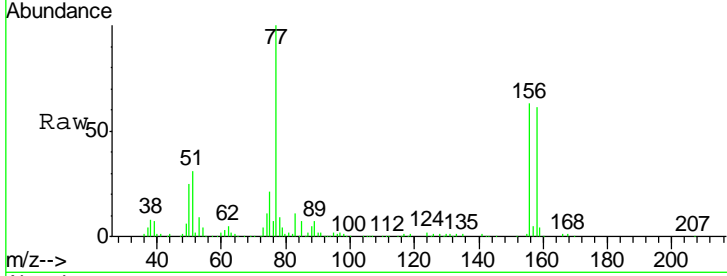


#77
 Bromobenzene
 Concen: 21.55 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

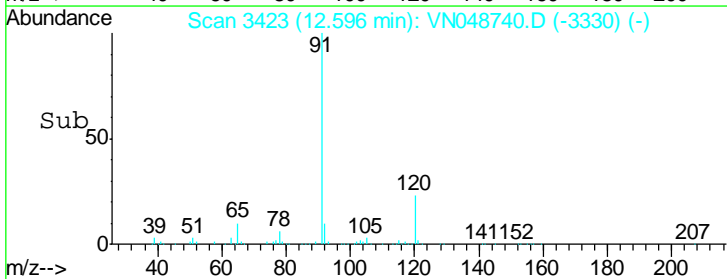
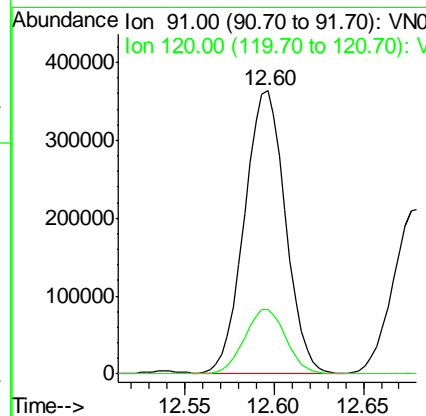
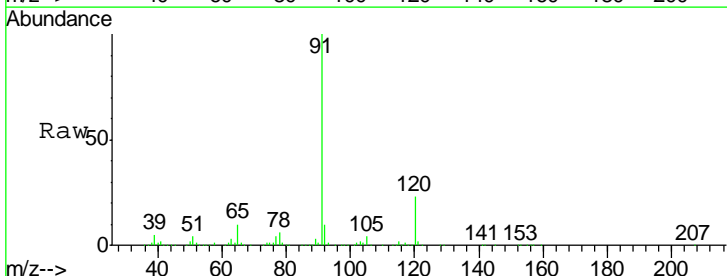
Tgt Ion	Resp	Lower	Upper
156	126254		
77	181.0	93.3	280.1
158	94.2	48.9	146.6

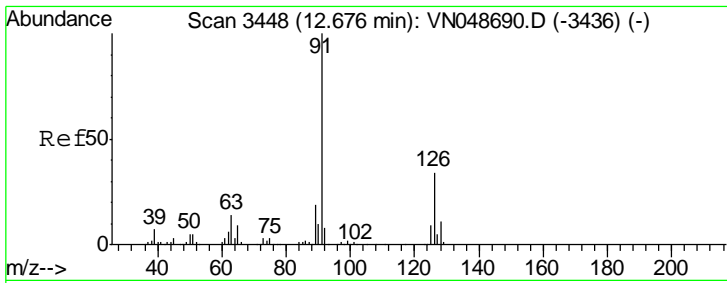
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#78
 n-propylbenzene
 Concen: 20.96 ug/l
 RT: 12.60 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
91	579994		
120	23.2	11.7	35.1



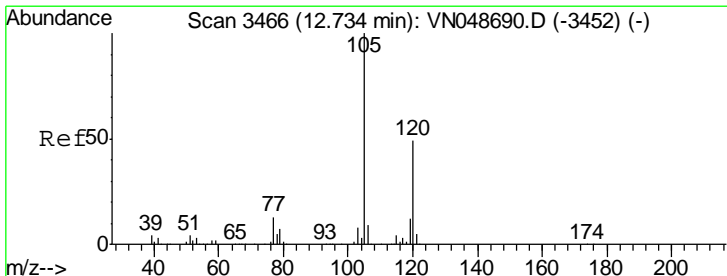
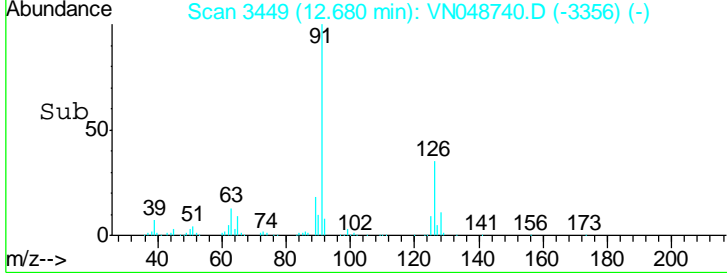
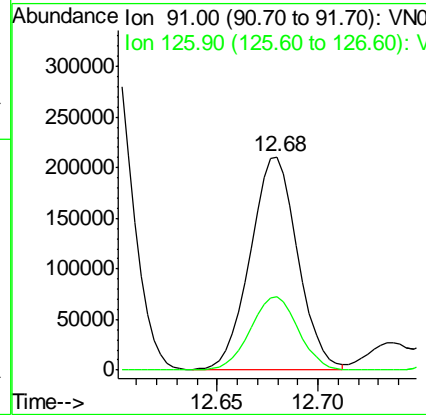
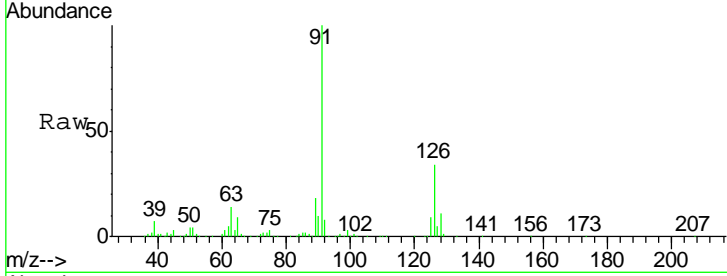


#79
 2-Chlorotoluene
 Concen: 20.80 ug/l
 RT: 12.68 min Scan# 3449
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

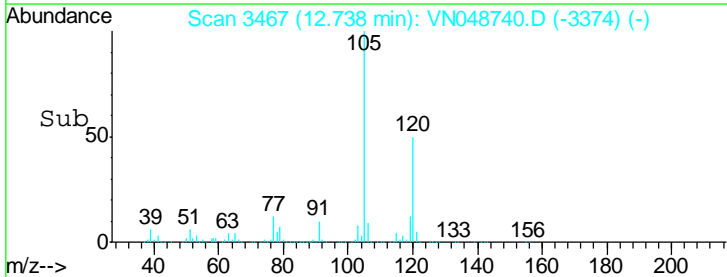
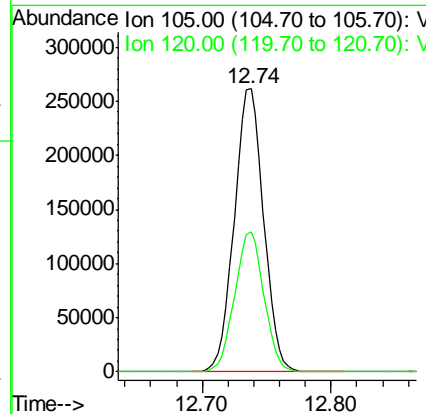
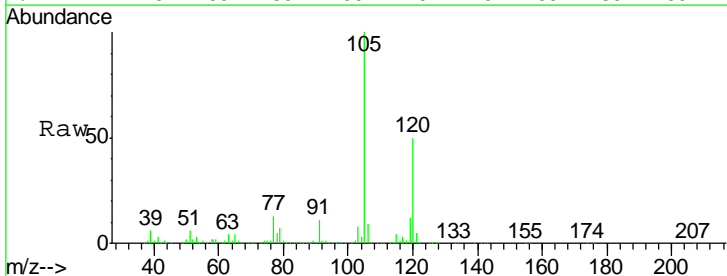
Tgt Ion	Resp	Lower	Upper
91	100		
126	35.1	17.5	52.5

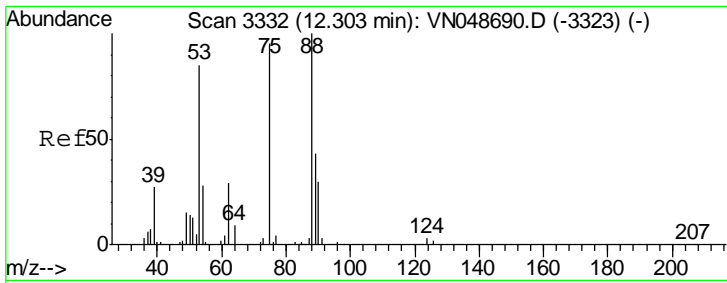
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.17 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.3	24.3	72.9





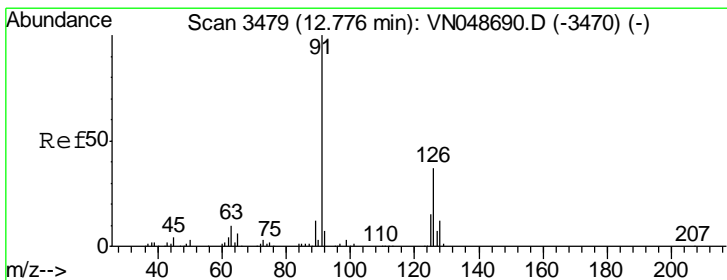
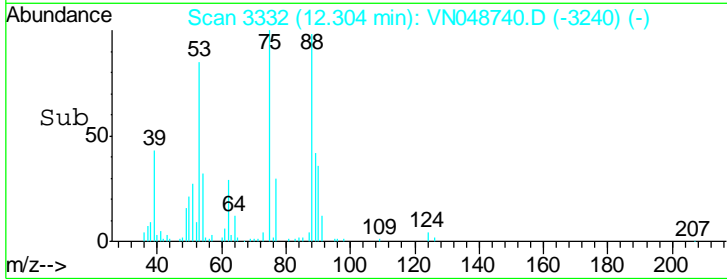
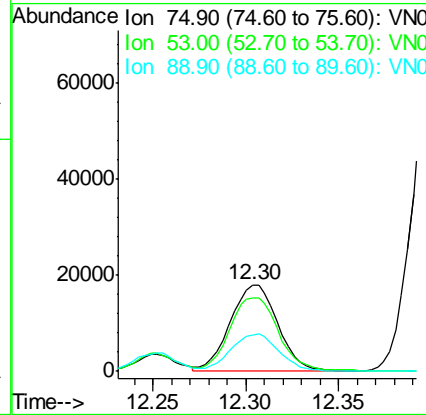
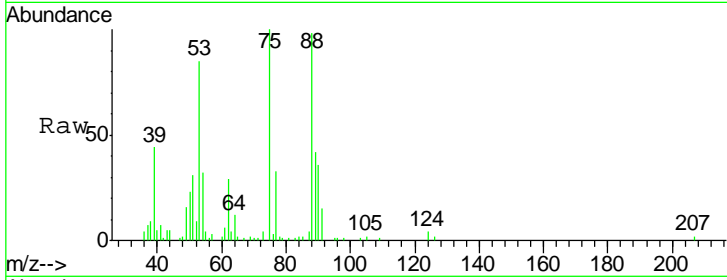
#81
 trans-1,4-Dichloro-2-butene
 Concen: 19.09 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

Tgt Ion	Resp	Lower	Upper
75	32163		
75	100		
53	87.9	72.0	108.0
89	43.5	35.2	52.8

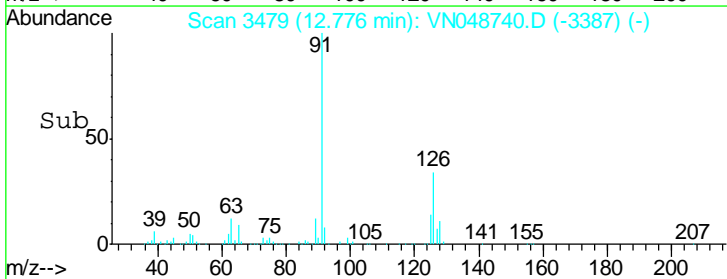
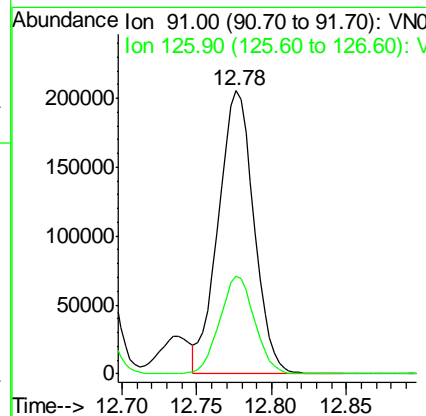
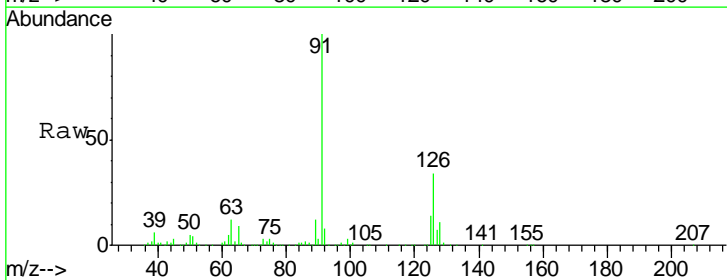
Manual Integrations
 APPROVED

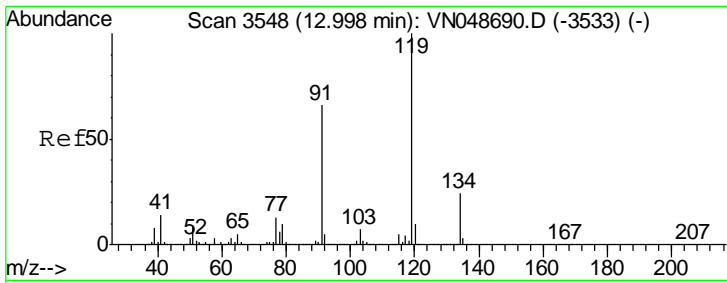
MMDadoda
 5/31/2018 3:07:03 PM



#82
 4-Chlorotoluene
 Concen: 20.61 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
91	339687		
91	100		
126	33.9	17.2	51.6



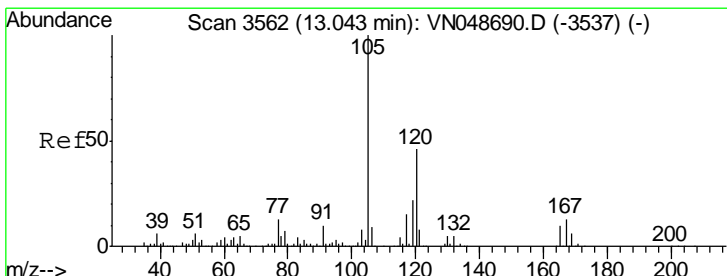
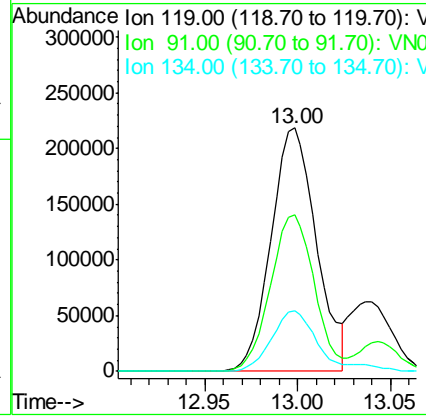
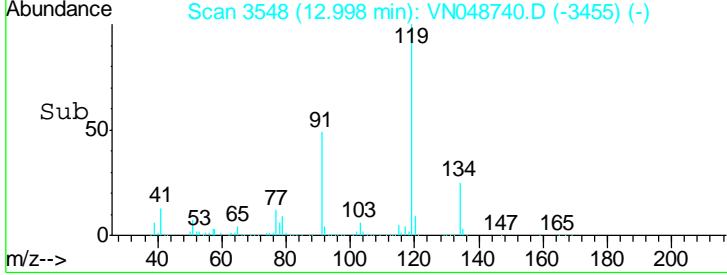
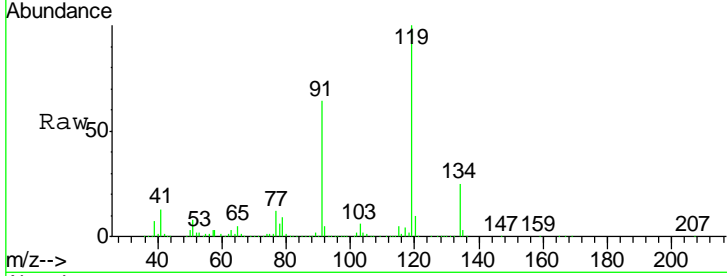


#83
 tert-Butylbenzene
 Concen: 21.50 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS01

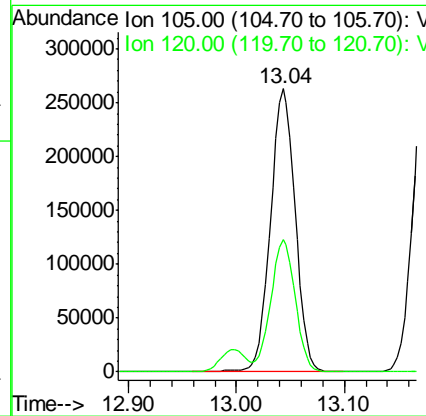
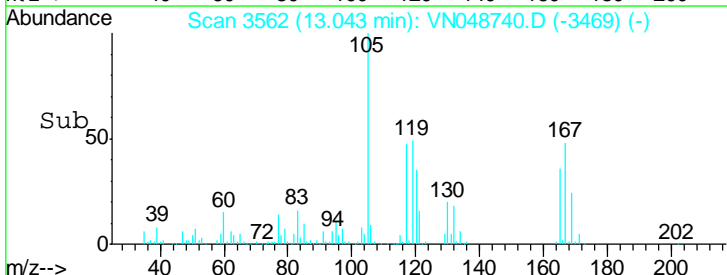
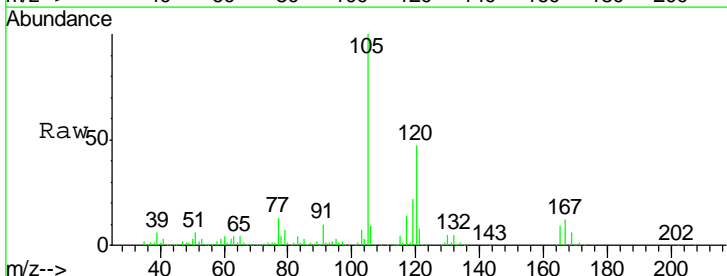
Tgt Ion	Resp	Lower	Upper
119	371232		
91	62.3	32.2	96.6
134	26.0	13.3	39.9

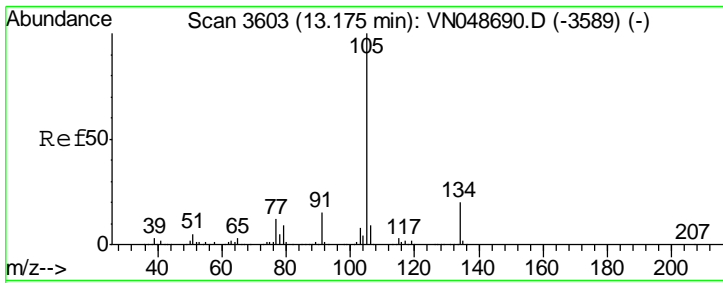
Manual Integrations
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 MMDadoda
 5/31/2018 3:07:03 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.44 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
105	418178		
120	46.2	22.7	68.0





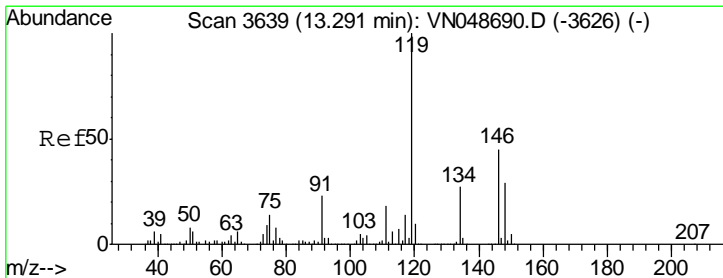
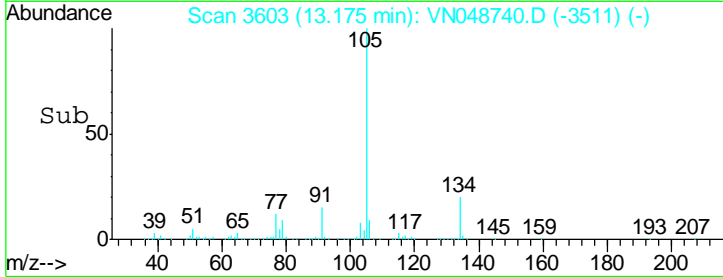
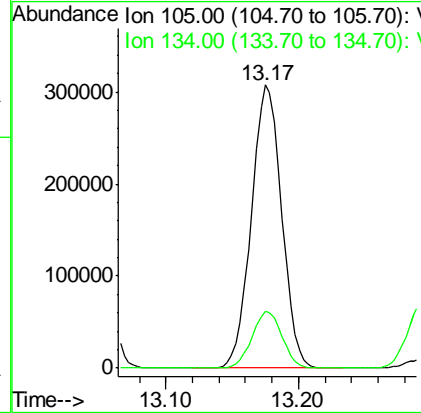
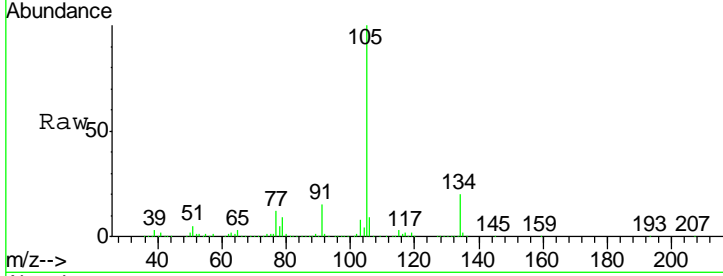
#85
 sec-Butylbenzene
 Concen: 21.21 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS01

Tgt Ion	Resp	Lower	Upper
105	485699		
134	20.0	10.1	30.3

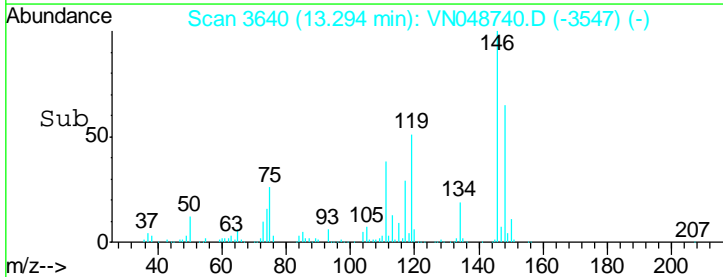
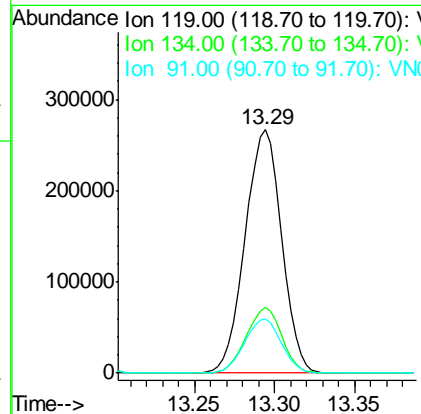
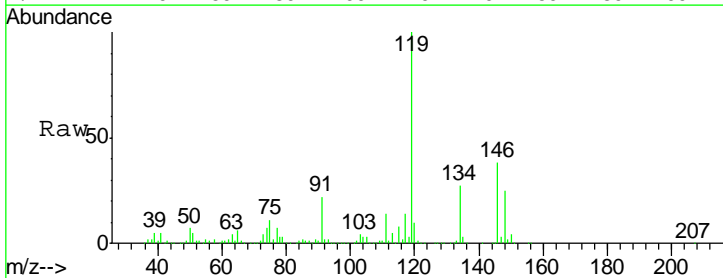
Manual Integrations
 APPROVED

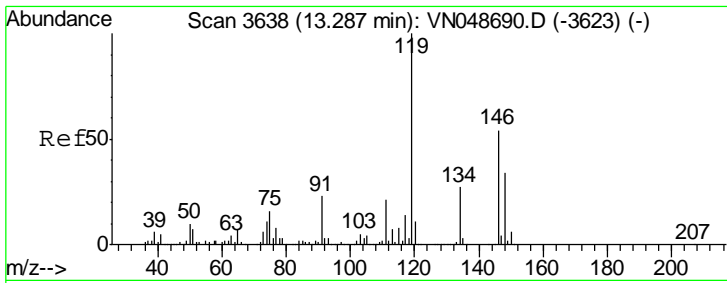
MMDadoda
 5/31/2018 3:07:03 PM



#86
 p-Isopropyltoluene
 Concen: 21.26 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
119	415350		
134	26.5	13.5	40.4
91	22.3	11.4	34.2



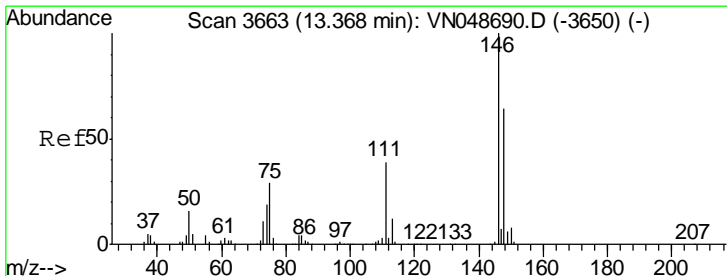
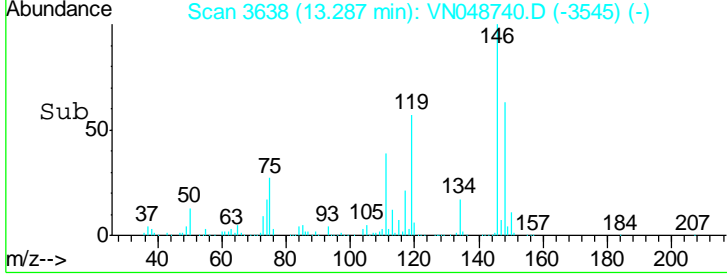
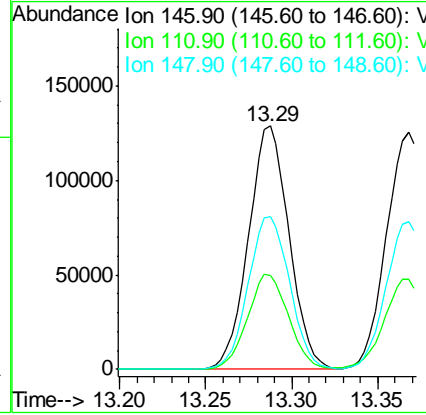
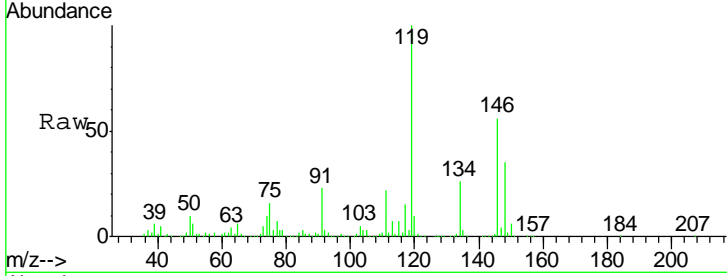


#87
 1,3-Dichlorobenzene
 Concen: 20.41 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 Client Sampled : VN0530WBS01

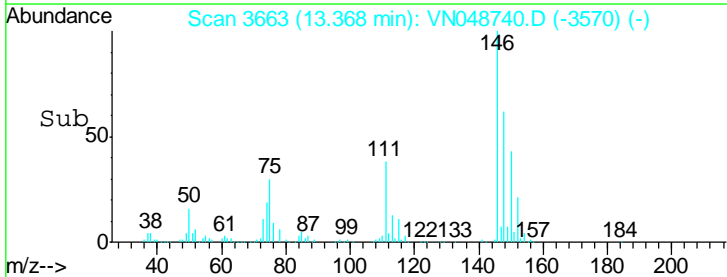
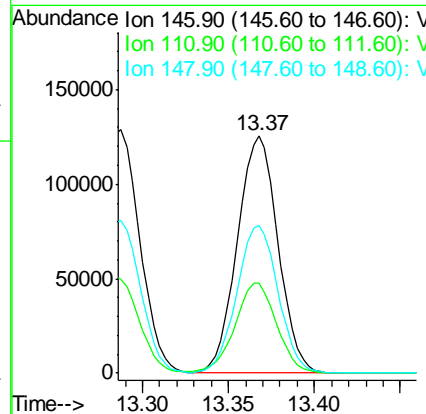
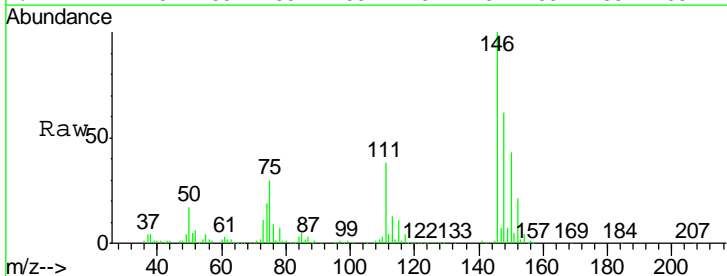
Tgt Ion	Resp	Lower	Upper
146	210719		
146	100		
111	39.5	19.3	57.9
148	64.2	32.1	96.5

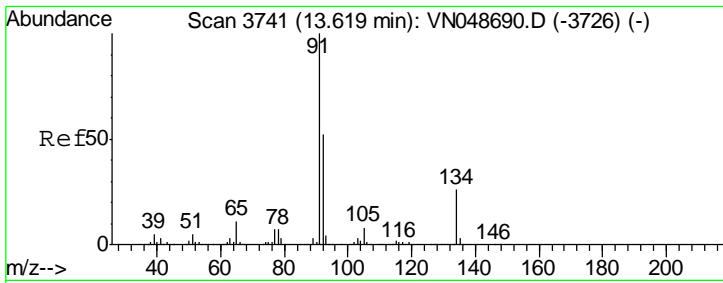
Manual Integrations
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 5/31/2018 3:07:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.66 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

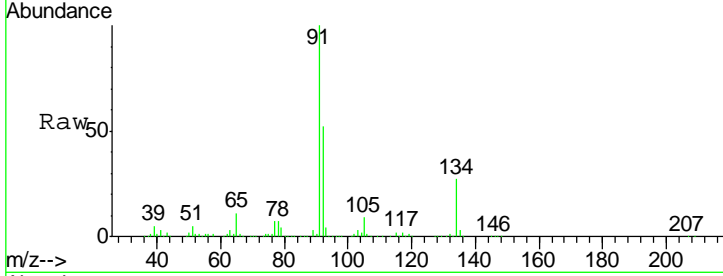
Tgt Ion	Resp	Lower	Upper
146	206987		
146	100		
111	38.3	18.9	56.5
148	63.2	32.2	96.6





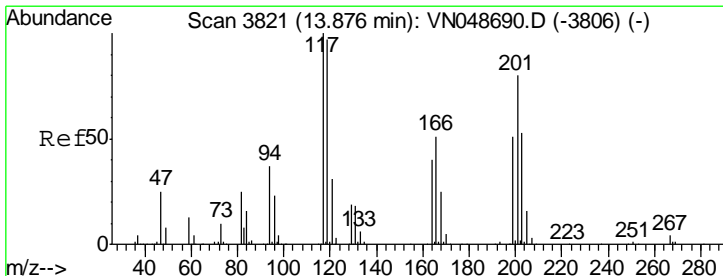
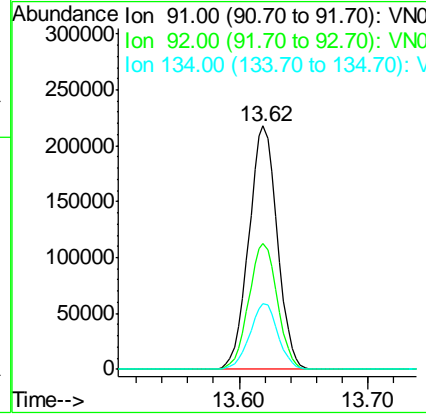
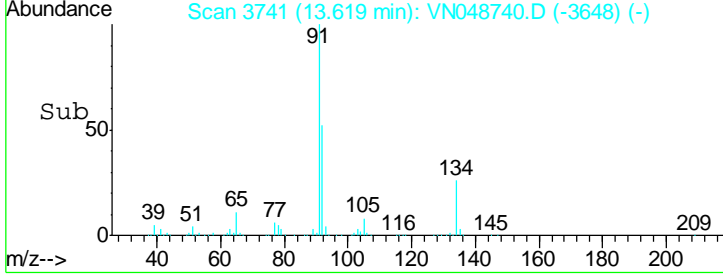
#89
 n-Butylbenzene
 Concen: 20.27 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument :
 MSVOA_N
 Client Sampled :
 VN0530WBS01

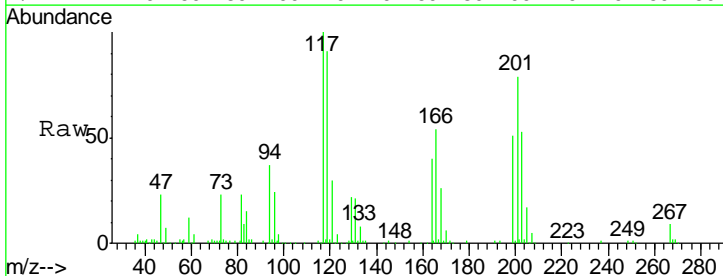


Tgt Ion	Resp	Lower	Upper
91	100		
92	52.3	26.3	78.9
134	26.8	13.5	40.4

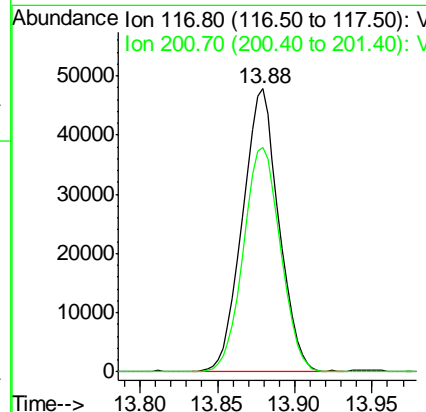
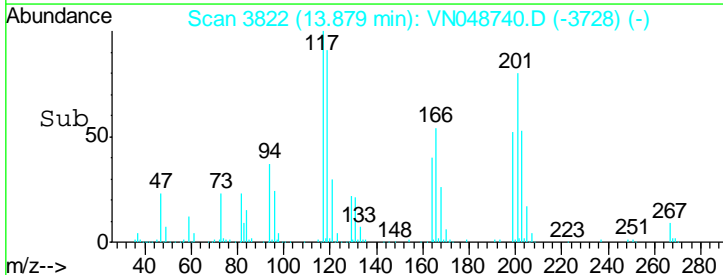
Manual Integrations
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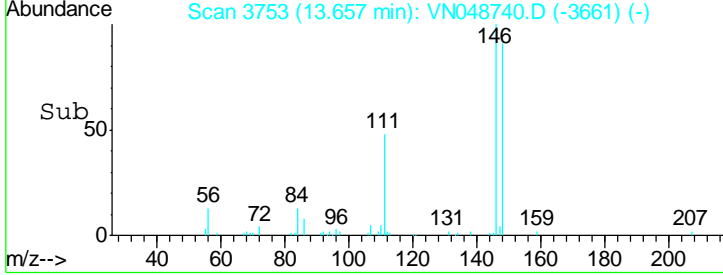
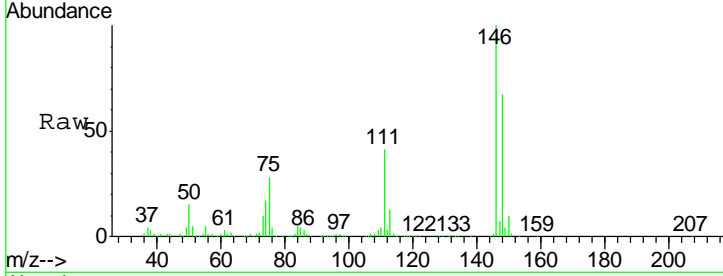
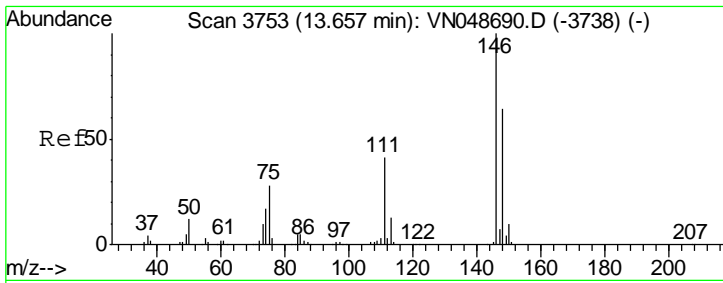


#90
 Hexachloroethane
 Concen: 18.70 ug/l
 RT: 13.88 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00



Tgt Ion	Resp	Lower	Upper
117	100		
201	80.9	44.6	134.0



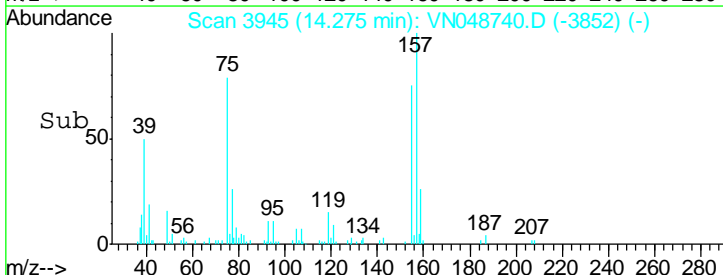
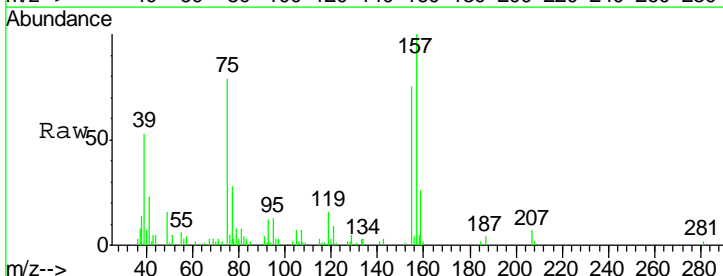
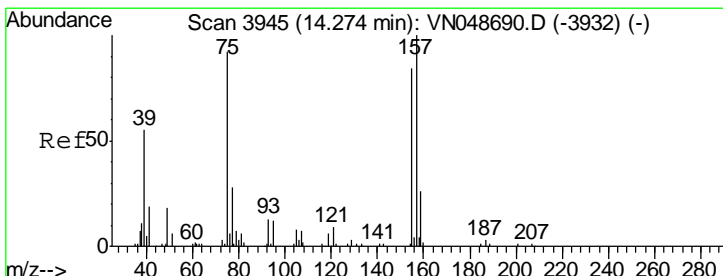
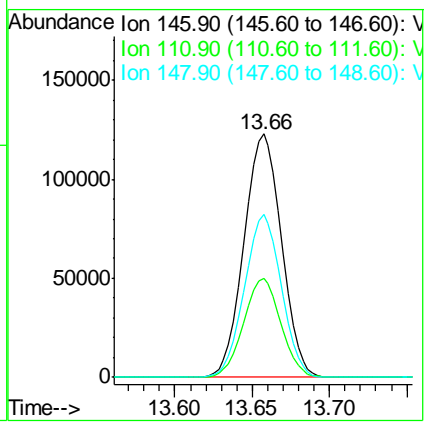


#91
 1,2-Dichlorobenzene
 Concen: 20.61 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Tgt Ion	Resp	Lower	Upper
146	100		
111	40.2	19.9	59.6
148	65.7	32.0	96.0

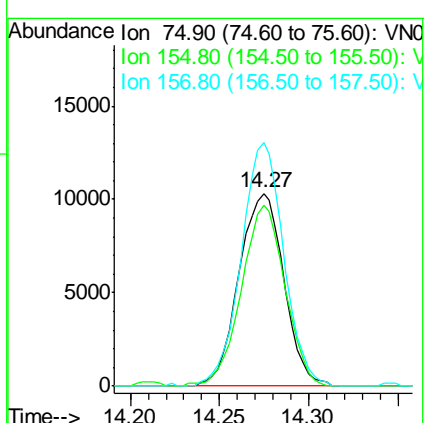
Instrument : MSVOA_N
 ClientSampled : VN0530WBS01

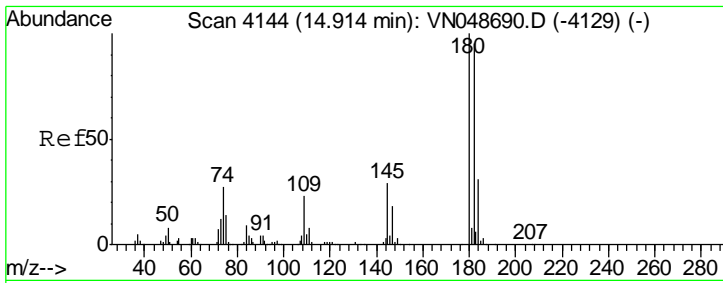
Manual Integrations
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 5/31/2018 3:07:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.61 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

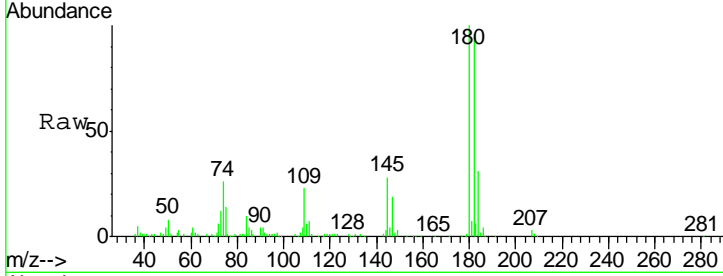
Tgt Ion	Resp	Lower	Upper
75	100		
155	91.5	47.1	141.4
157	120.0	60.9	182.6





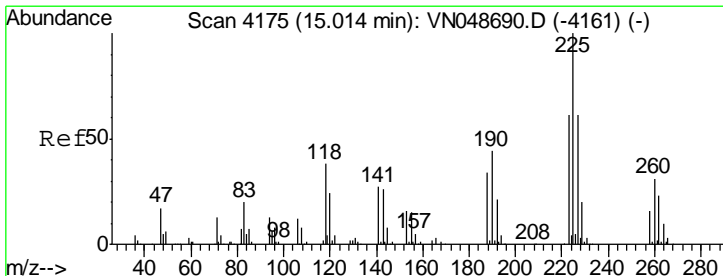
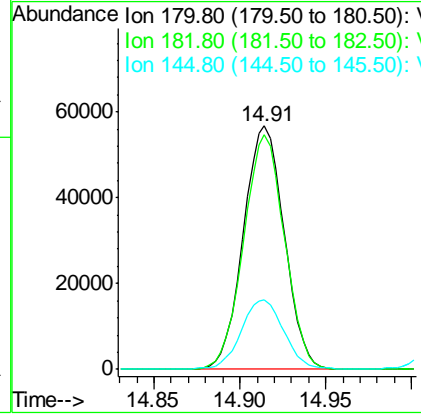
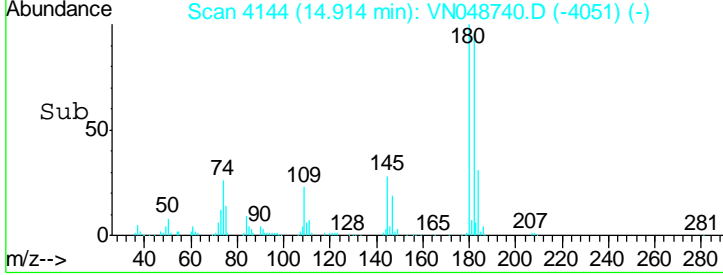
#93
 1,2,4-Trichlorobenzene
 Concen: 19.76 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 Client Sampled : VN0530WBS01

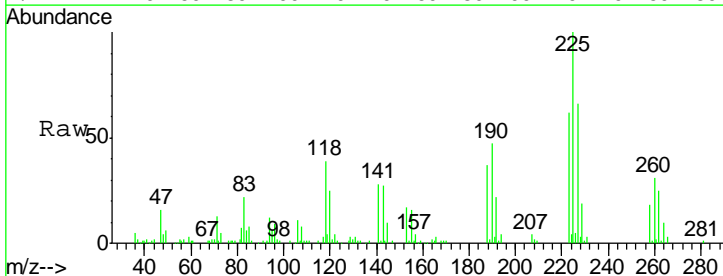


Tgt Ion	Resp	Lower	Upper
180	100		
182	96.3	47.9	143.8
145	30.0	14.6	43.8

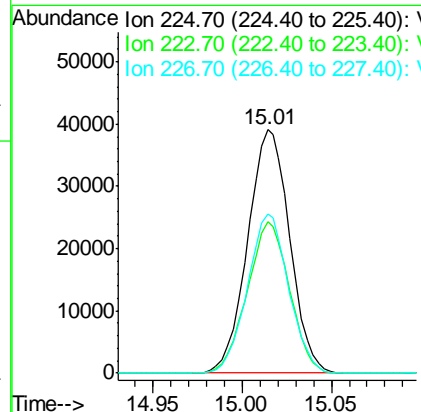
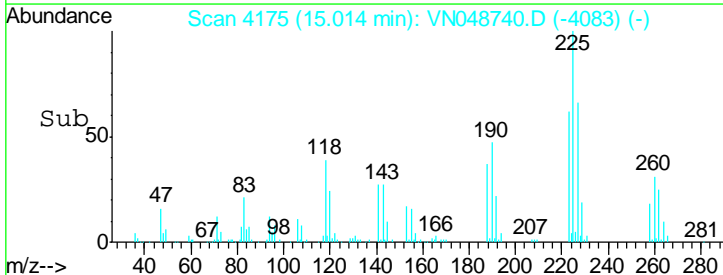
Manual Integrations APPROVED
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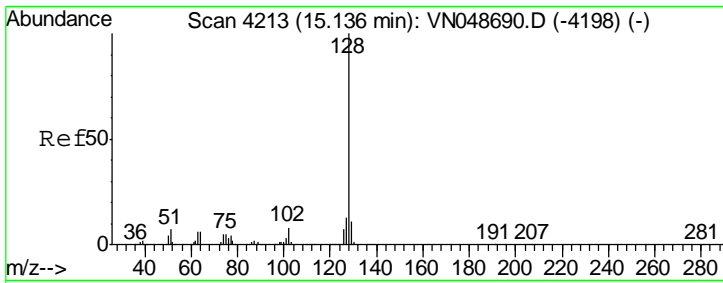


#94
 Hexachlorobutadiene
 Concen: 19.79 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00



Tgt Ion	Resp	Lower	Upper
225	100		
223	62.6	31.3	93.8
227	64.2	31.9	95.5



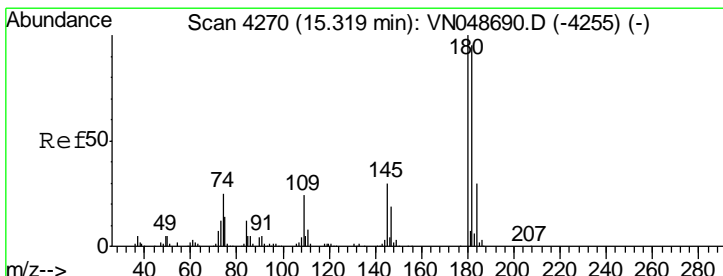
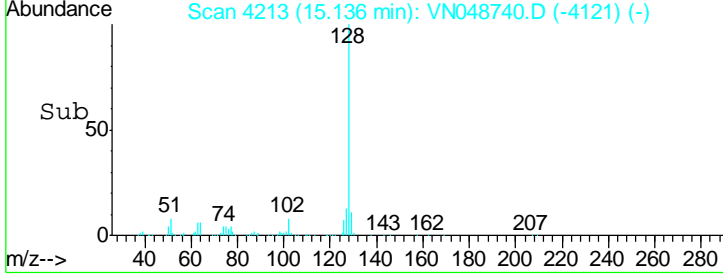
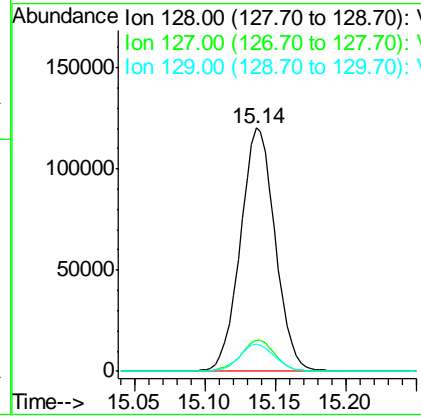
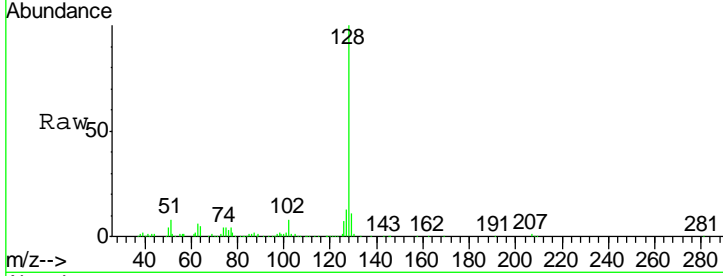


#95
 Naphthalene
 Concen: 20.38 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 Client Sampled : VN0530WBS01

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.8	8.7	13.1

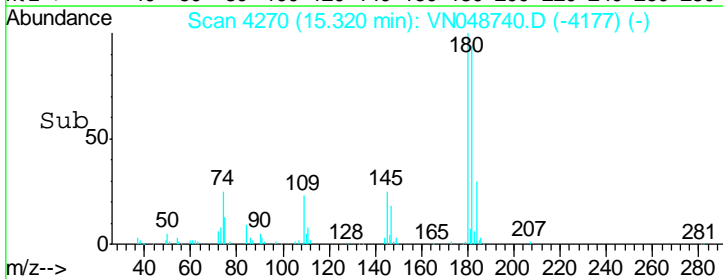
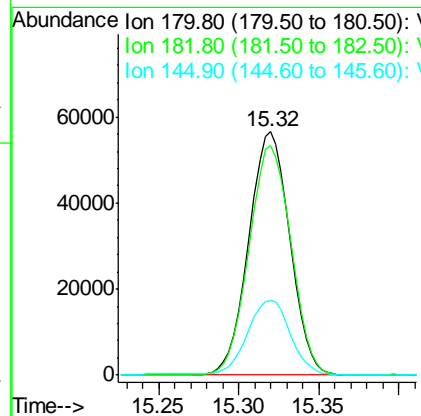
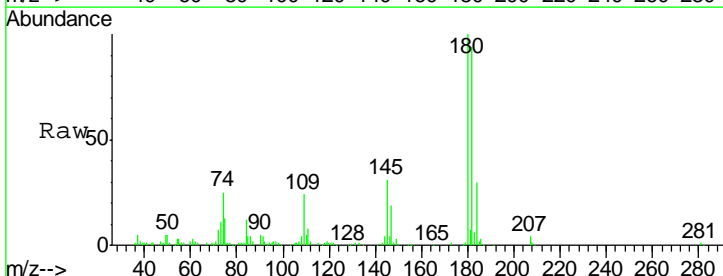
Manual Integrations
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 5/31/2018 3:07:03 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 20.66 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: VN048740.D
 Acq: 30 May 2018 15:00

Instrument : MSVOA_N
 Client Sampled : VN0530WBS01

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.5	48.4	145.0
145	32.2	15.3	45.9





Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0530WBS02	SDG No.:	J3131
Lab Sample ID:	VN0530WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048760.D	1		05/31/18 00:26	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.9		0.2	0.2	1	ug/L
74-87-3	Chloromethane	21		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	21.6		0.2	0.2	1	ug/L
74-83-9	Bromomethane	23.9		0.2	0.2	1	ug/L
75-00-3	Chloroethane	22		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	21.3		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	20.8		0.2	0.2	1	ug/L
67-64-1	Acetone	92.9		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	19.4		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	20.5		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	22.5		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	21.3		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	20.8		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	21.3		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	20.6		0.2	0.2	1	ug/L
78-93-3	2-Butanone	98.7		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	21.2		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	23.7		0.2	0.5	1	ug/L
67-66-3	Chloroform	21.4		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	21.1		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	19.7		0.2	0.2	1	ug/L
71-43-2	Benzene	20.8		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	20.3		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	20.4		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	21		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	20.3		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	100		1	1	5	ug/L
108-88-3	Toluene	20.8		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	18.5		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.4		0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0530WBS02	SDG No.:	J3131
Lab Sample ID:	VN0530WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048760.D	1		05/31/18 00:26	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	21.2		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	93.4		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	19.8		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	18.9		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	23.6		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	20.5		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	20.7		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	41.6		0.4	0.4	2	ug/L
95-47-6	o-Xylene	21.1		0.2	0.2	1	ug/L
100-42-5	Styrene	20.9		0.2	0.2	1	ug/L
75-25-2	Bromoform	19.7		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	21.9		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.9		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	20.8		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	21.3		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.9		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.6		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.9		61 - 141		100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	49.3		65 - 126		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		58 - 135		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	290114	7.67				
540-36-3	1,4-Difluorobenzene	448106	8.59				
3114-55-4	Chlorobenzene-d5	393371	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	206966	13.35				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0530WBS02	SDG No.:	J3131
Lab Sample ID:	VN0530WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048760.D	1		05/31/18 00:26	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048760.D
 Acq On : 31 May 2018 00:26
 Operator : MD\SY
 Sample : VN0530WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VN0530WBS02

Manual Integrations
 APPROVED

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 5/31/2018 3:07:11 PM

Quant Time: May 31 04:29:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	290114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	448106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	393371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	206966	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	210357	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.59	113	192231	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	10.09	98	691694	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.40	95	226195	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	71104	19.86	ug/l	98
3) Chloromethane	2.06	50	104525	20.99	ug/l	99
4) Vinyl Chloride	2.18	62	99118	21.61	ug/l	99
5) Bromomethane	2.57	94	56958	23.92	ug/l	97
6) Chloroethane	2.70	64	57192	22.01	ug/l	96
7) Trichlorofluoromethane	3.02	101	131926	21.33	ug/l	99
8) Diethyl Ether	3.41	74	47824	20.88	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	82404	20.77	ug/l	98
10) Methyl Iodide	3.95	142	109002	19.87	ug/l	97
11) Tert butyl alcohol	4.80	59	27477	94.30	ug/l	# 73
12) 1,1-Dichloroethene	3.73	96	78741	20.80	ug/l	95
13) Acrolein	3.61	56	36497	91.97	ug/l	99
14) Allyl chloride	4.32	41	141573	20.00	ug/l	97
15) Acrylonitrile	4.99	53	145875	106.52	ug/l	99
16) Acetone	3.82	43	101994	92.85	ug/l	93
17) Carbon Disulfide	4.05	76	240396	19.43	ug/l	99
18) Methyl Acetate	4.33	43	70411	22.50	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	212092	20.49	ug/l	99
20) Methylene Chloride	4.55	84	96449	21.29	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	83975	20.79	ug/l	98
22) Diisopropyl ether	5.96	45	282713	20.93	ug/l	98
23) Vinyl Acetate	5.90	43	938624	102.25	ug/l	98
24) 1,1-Dichloroethane	5.85	63	169517	21.30	ug/l	100
25) 2-Butanone	6.84	43	158703	98.65	ug/l	96
26) 2,2-Dichloropropane	6.83	77	114055	17.21	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	96574	21.20	ug/l	98
28) Bromochloromethane	7.20	49	85846	23.68	ug/l	93
29) Tetrahydrofuran	7.22	42	110428	102.51	ug/l	95
30) Chloroform	7.37	83	163584	21.37	ug/l	99
31) Cyclohexane	7.65	56	150572	20.58	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	140836	21.12	ug/l	98
36) 1,1-Dichloropropene	7.79	75	123291	19.91	ug/l	98
37) Ethyl Acetate	6.94	43	74889	20.19	ug/l	97
38) Carbon Tetrachloride	7.77	117	124120	19.62	ug/l	98

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048760.D
 Acq On : 31 May 2018 00:26
 Operator : MD\SY
 Sample : VN0530WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS02

Manual Integrations
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 5/31/2018 3:07:11 PM

Quant Time: May 31 04:29:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	132575	19.69	ug/l	97
40) Benzene	8.04	78	375841	20.80	ug/l	100
41) Methacrylonitrile	7.17	41	36268	17.67	ug/l	87
42) 1,2-Dichloroethane	8.13	62	114471	20.30	ug/l	99
43) Isopropyl Acetate	8.17	43	136268	19.92	ug/l #	89
44) Trichloroethene	8.84	130	94710	20.37	ug/l	96
45) 1,2-Dichloropropane	9.12	63	103435	21.03	ug/l	97
46) Dibromomethane	9.21	93	57105	20.71	ug/l	94
47) Bromodichloromethane	9.40	83	125126	20.28	ug/l	98
48) Methyl methacrylate	9.20	41	64997	19.66	ug/l	100
49) 1,4-Dioxane	9.20	88	15625	391.08	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	363646	100.90	ug/l	100
52) Toluene	10.16	92	221812	20.80	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	115032	18.54	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	140257	19.44	ug/l	98
55) 1,1,2-Trichloroethane	10.57	97	80986	21.15	ug/l	95
56) Ethyl methacrylate	10.43	69	97514	18.99	ug/l	95
57) 1,3-Dichloropropane	10.71	76	135306	20.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	164151	89.66	ug/l	96
59) 2-Hexanone	10.76	43	221853	93.37	ug/l	99
60) Dibromochloromethane	10.90	129	88896	19.80	ug/l	100
61) 1,2-Dibromoethane	11.01	107	71549	18.93	ug/l	98
64) Tetrachloroethene	10.63	164	94155	23.64	ug/l	97
65) Chlorobenzene	11.44	112	235605	20.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	89877	20.73	ug/l	99
67) Ethyl Benzene	11.52	91	412616	20.69	ug/l	99
68) m/p-Xylenes	11.62	106	312588	41.57	ug/l	98
69) o-Xylene	11.95	106	153030	21.10	ug/l	100
70) Styrene	11.97	104	237778	20.85	ug/l	99
71) Bromoform	12.13	173	55249	19.70	ug/l #	98
73) Isopropylbenzene	12.25	105	404512	21.86	ug/l	100
74) N-amyl acetate	12.07	43	109486	20.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	95280	20.91	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	73970m	20.70	ug/l	
77) Bromobenzene	12.53	156	95259	21.17	ug/l	97
78) n-propylbenzene	12.60	91	461084	21.69	ug/l	99
79) 2-Chlorotoluene	12.68	91	278605	21.86	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	325844	21.85	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22124	17.09	ug/l	95
82) 4-Chlorotoluene	12.78	91	271949	21.48	ug/l	99
83) tert-Butylbenzene	13.00	119	288109	21.72	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	329163	21.97	ug/l	100
85) sec-Butylbenzene	13.17	105	380801	21.65	ug/l	99
86) p-Isopropyltoluene	13.29	119	319862	21.32	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	165060	20.81	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	156637	20.35	ug/l	99
89) n-Butylbenzene	13.62	91	246468	19.55	ug/l	98
90) Hexachloroethane	13.88	117	65258	20.30	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	165146	21.29	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13959	20.64	ug/l	87

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048760.D
 Acq On : 31 May 2018 00:26
 Operator : MD\SY
 Sample : VN0530WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampleId :
 VN0530WBS02

Manual Integrations
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Quant Time: May 31 04:29:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59293	16.86	ug/l	99
94) Hexachlorobutadiene	15.01	225	45238	18.15	ug/l	97
95) Naphthalene	15.14	128	123785	16.87	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	63853	17.62	ug/l	98

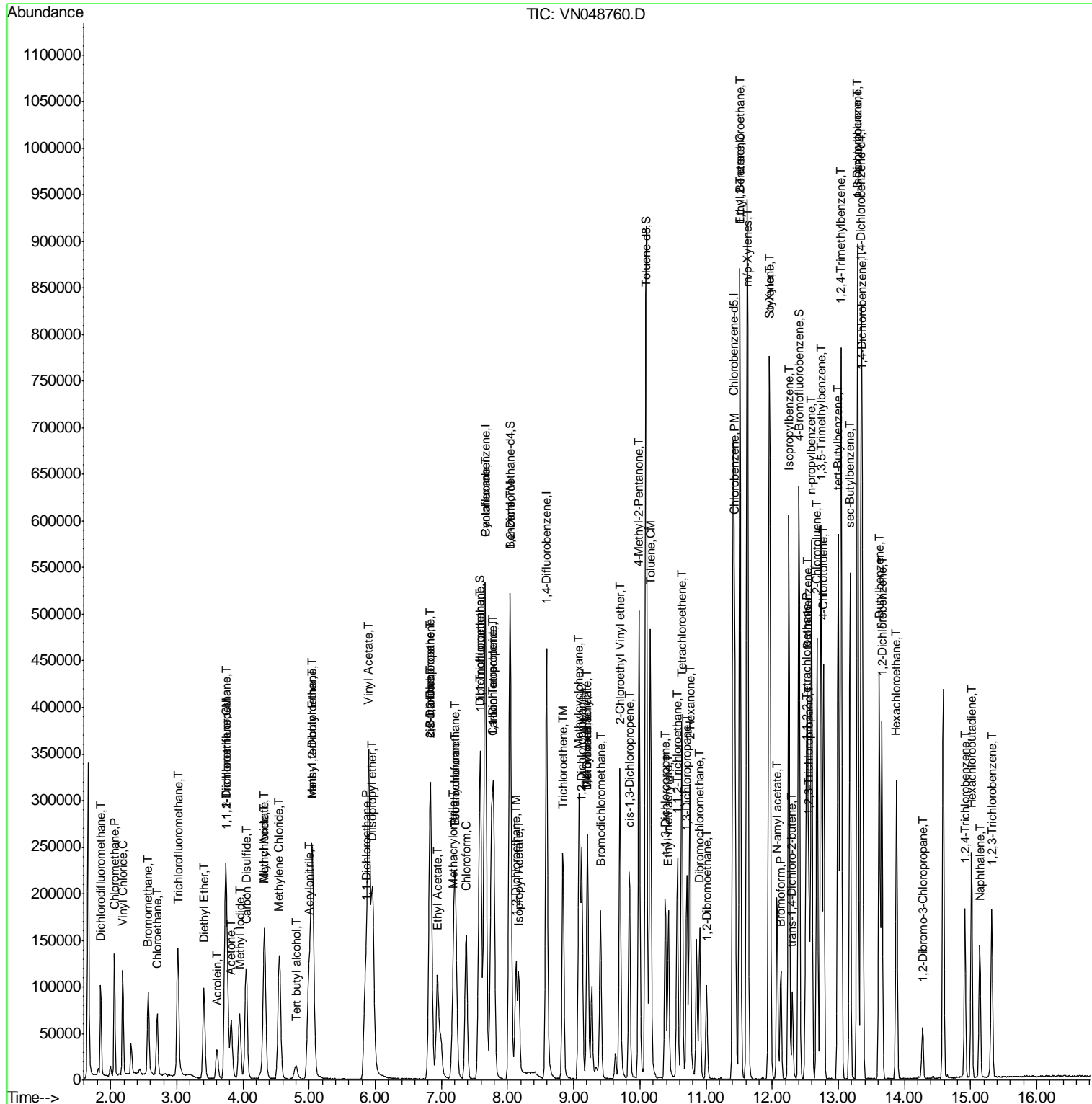
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048760.D
 Acq On : 31 May 2018 00:26
 Operator : MD\SY
 Sample : VN0530WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

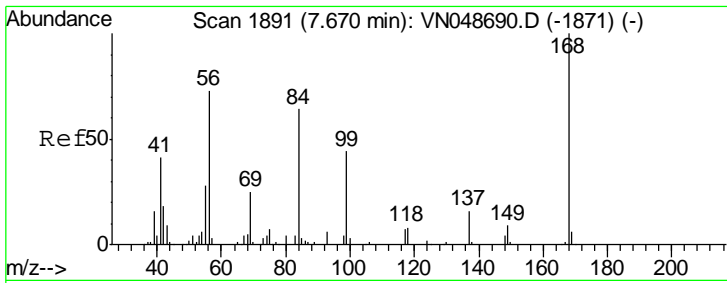
Instrument : MSVOA_N
 Client Sample Id : VN0530WBS02

Quant Time: May 31 04:29:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Manual Integrations APPROVED
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 5/31/2018 3:07:11 PM



- 1
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- 15
- 16



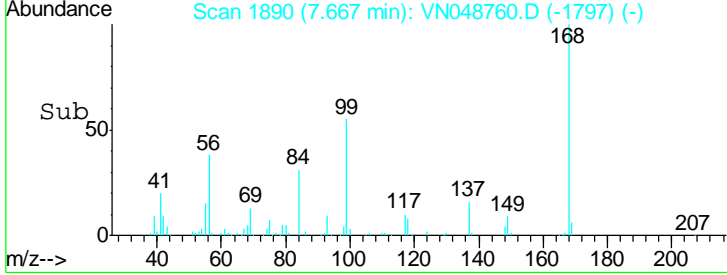
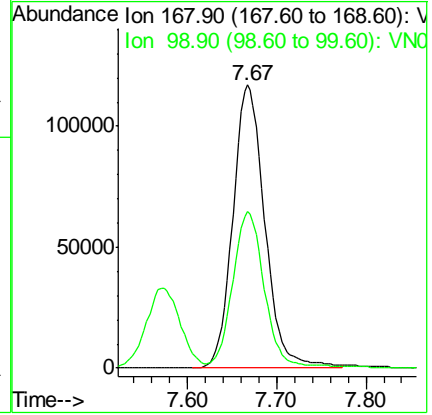
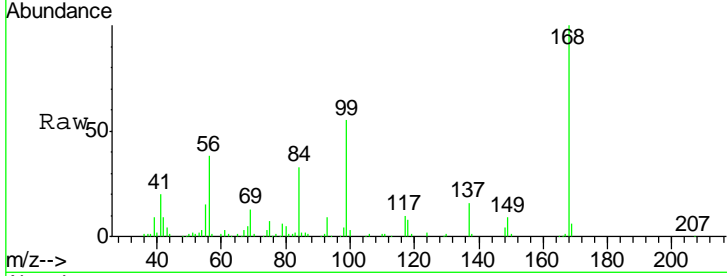
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS02

Tgt Ion	Resp	Lower	Upper
168	100		
99	54.7	40.8	61.2

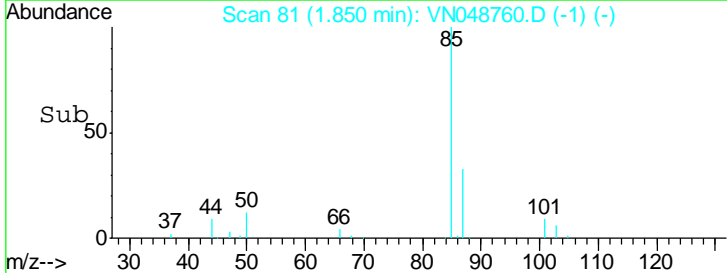
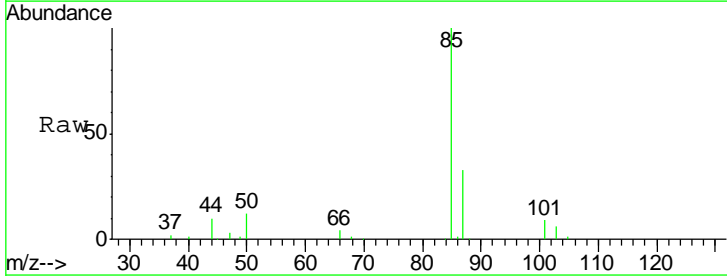
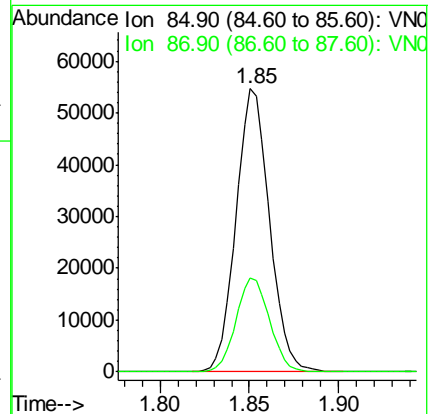
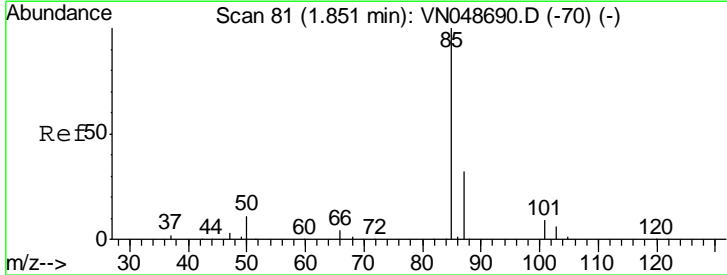
Manual Integrations
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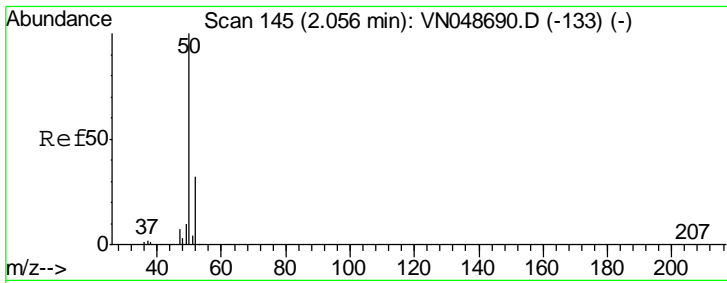
MMDadoda
 5/31/2018 3:07:11 PM



#2
 Dichlorodifluoromethane
 Concen: 19.86 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
85	100		
87	33.1	15.9	47.7



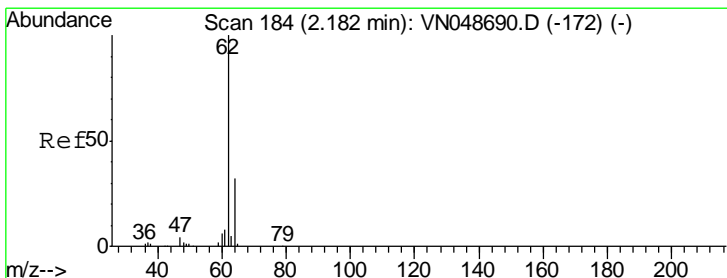
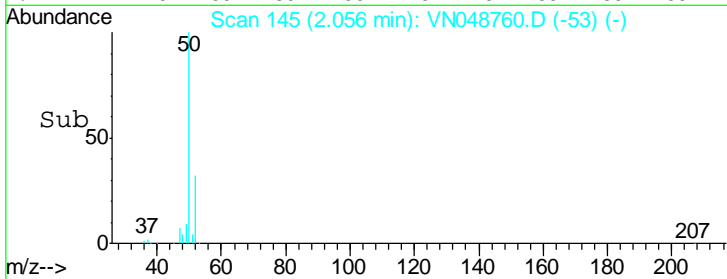
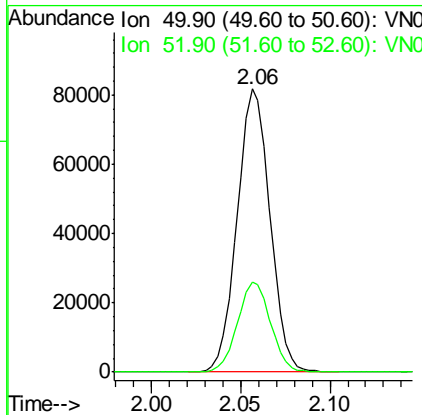
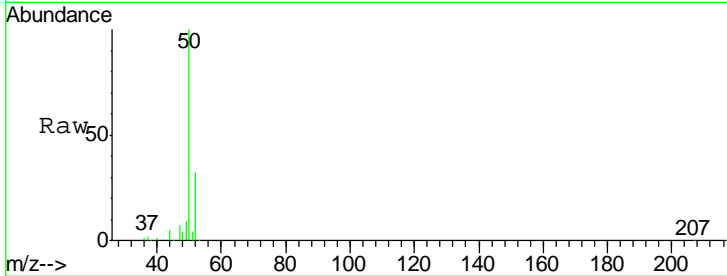


#3
 Chloromethane
 Concen: 20.99 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
50	104525		
52	31.8	26.0	39.0

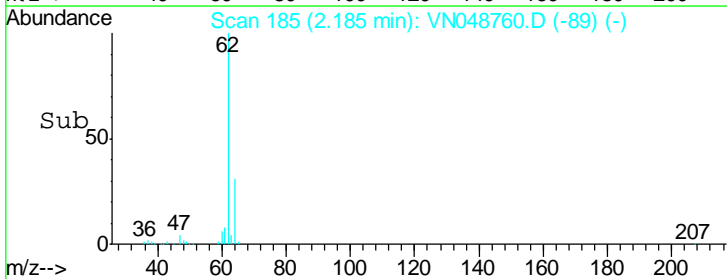
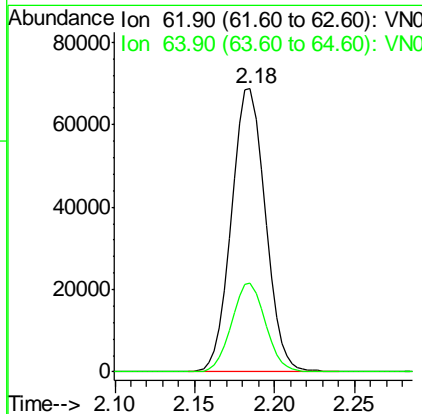
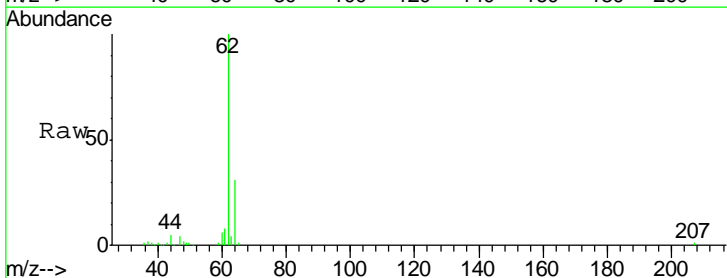
Instrument : MSVOA_N
 ClientSampleId : VN0530WBS02

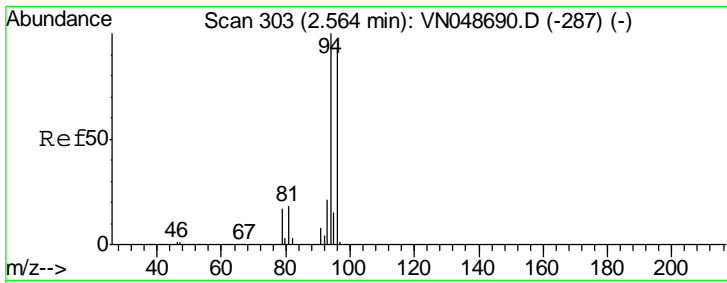
Manual Integrations
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 5/31/2018 3:07:11 PM



#4
 Vinyl Chloride
 Concen: 21.61 ug/l
 RT: 2.18 min Scan# 185
 Delta R.T. 0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
62	99118		
64	31.2	25.6	38.4



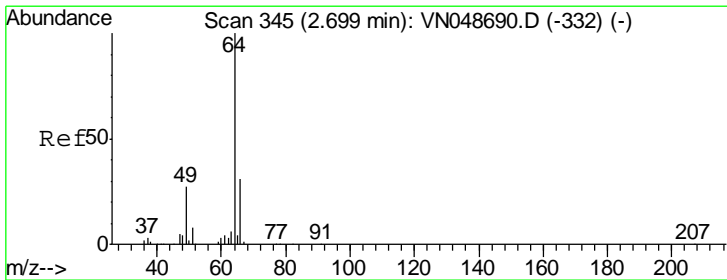
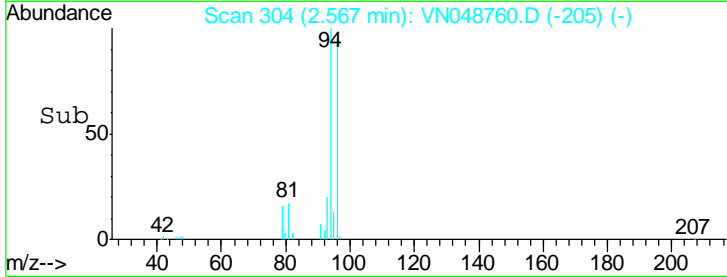
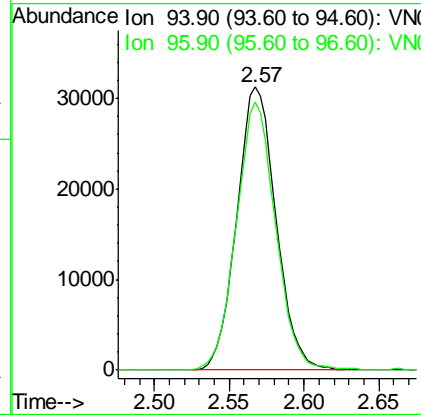
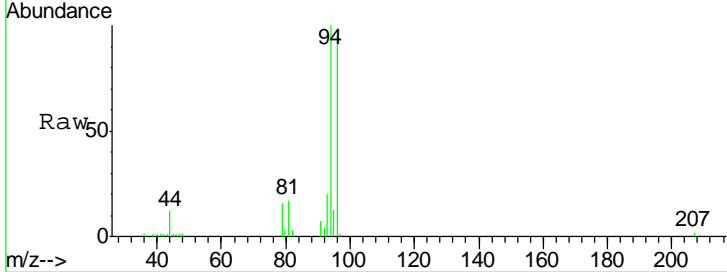


#5
 Bromomethane
 Concen: 23.92 ug/l
 RT: 2.57 min Scan# 304
 Delta R.T. 0.02 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
94	56958		
96	94.8	78.0	117.0

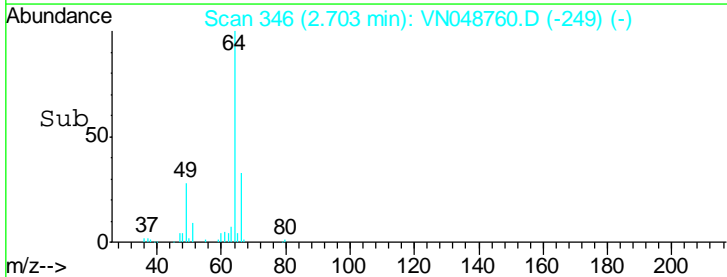
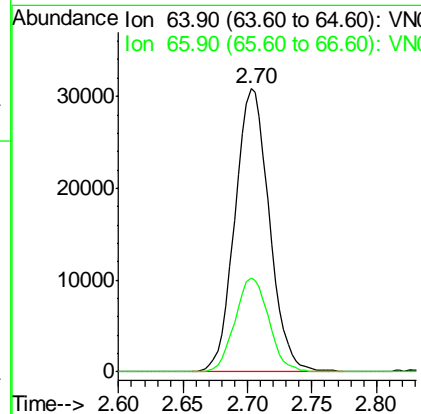
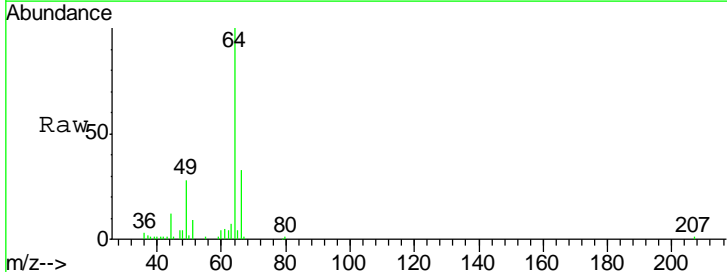
Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

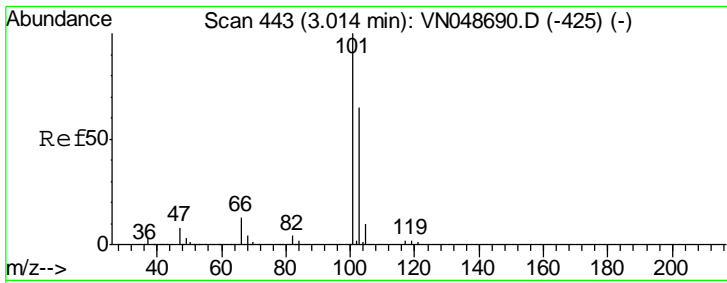
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#6
 Chloroethane
 Concen: 22.01 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
64	57192		
66	33.4	24.8	37.2



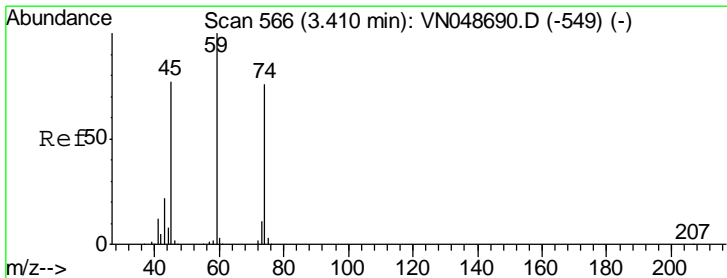
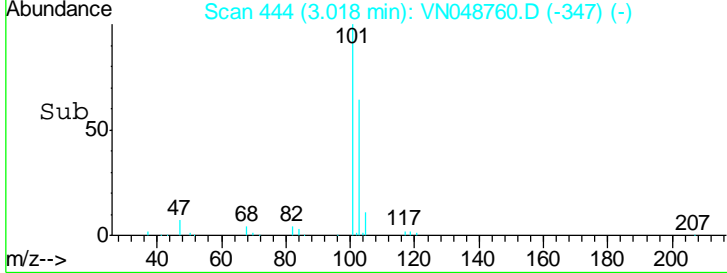
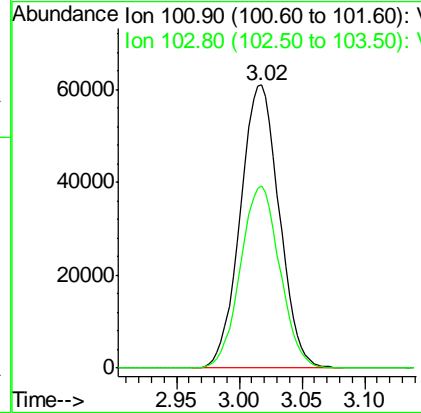
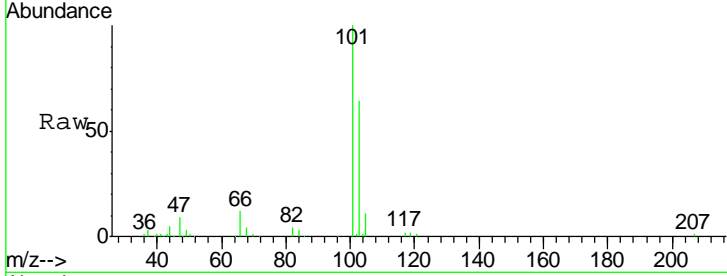


#7
 Trichlorofluoromethane
 Concen: 21.33 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
101	131926		
103	64.4	50.8	76.2

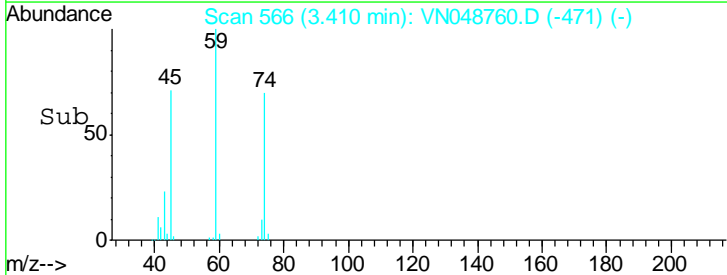
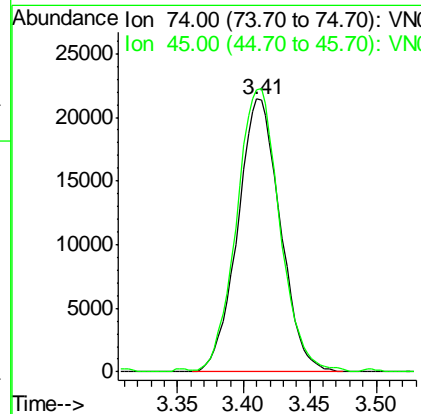
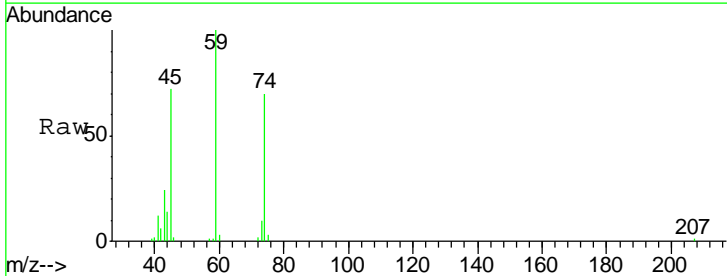
Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

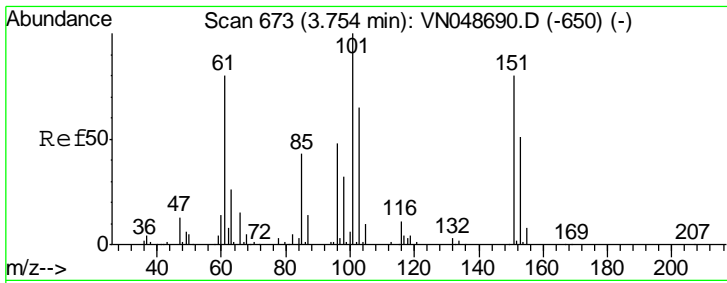
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#8
 Diethyl Ether
 Concen: 20.88 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

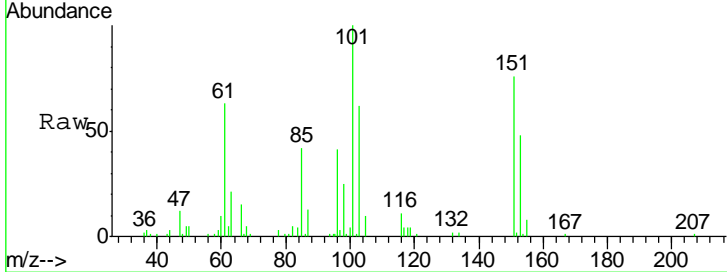
Tgt Ion	Resp	Lower	Upper
74	47824		
45	105.4	50.0	150.0





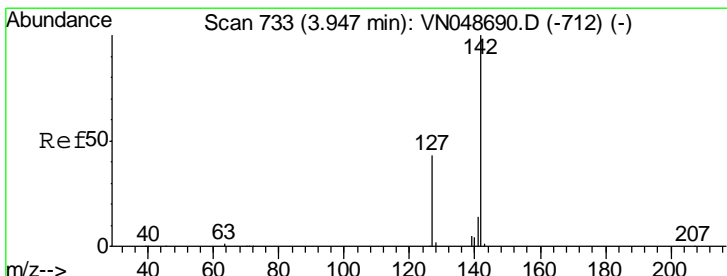
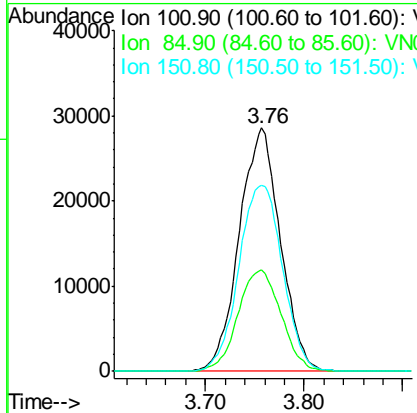
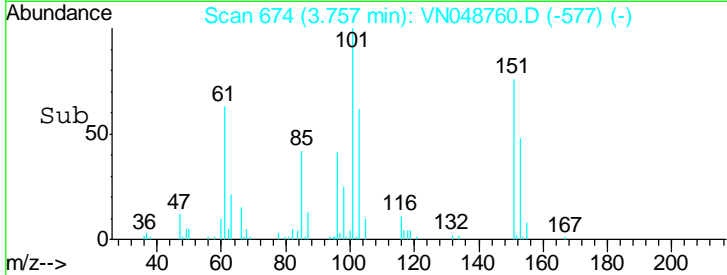
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.77 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS02



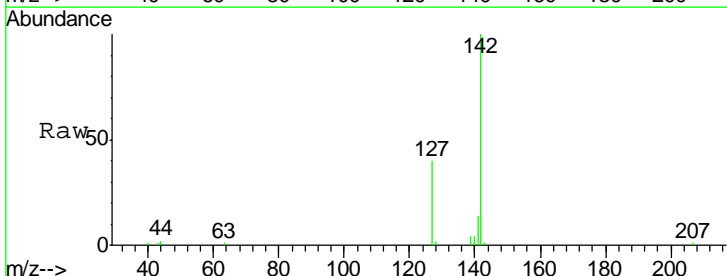
Tgt Ion	Resp	Lower	Upper
101	100		
85	43.7	33.3	49.9
151	81.6	66.5	99.7

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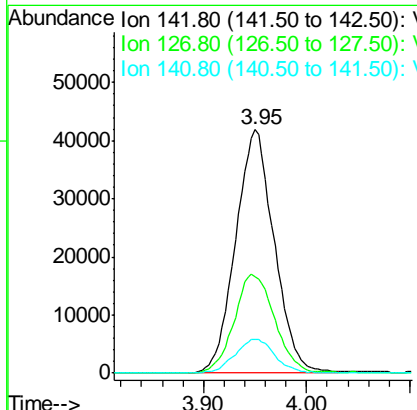
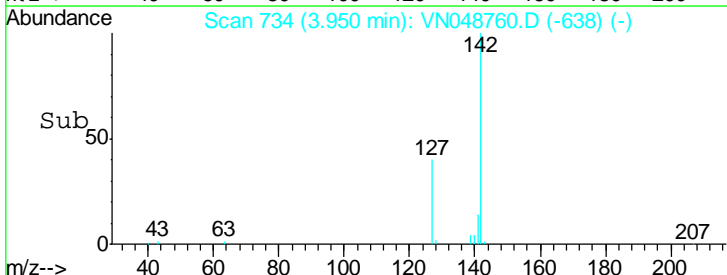


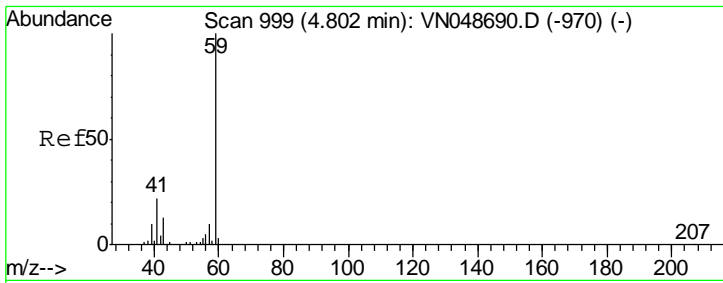
#10
 Methyl Iodide
 Concen: 19.87 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS02



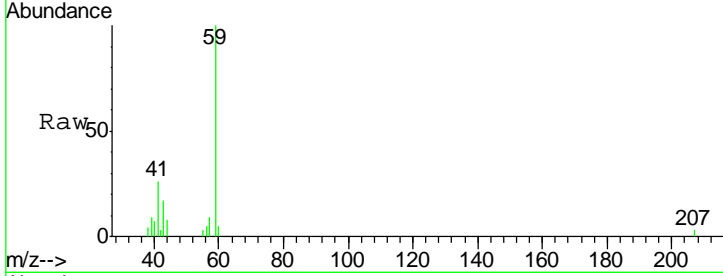
Tgt Ion	Resp	Lower	Upper
142	100		
127	42.8	32.5	48.7
141	14.3	11.3	16.9





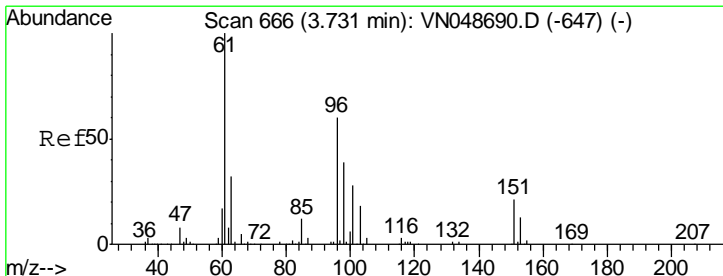
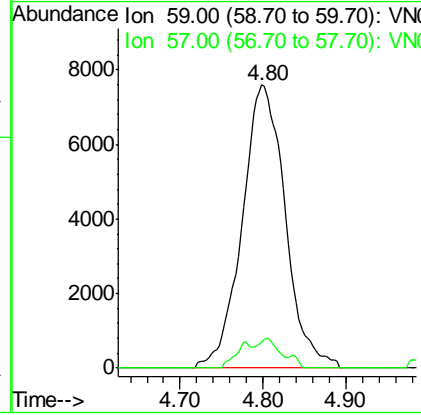
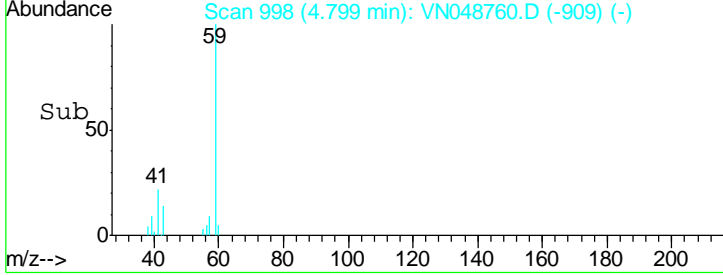
#11
 Tert butyl alcohol
 Concen: 94.30 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

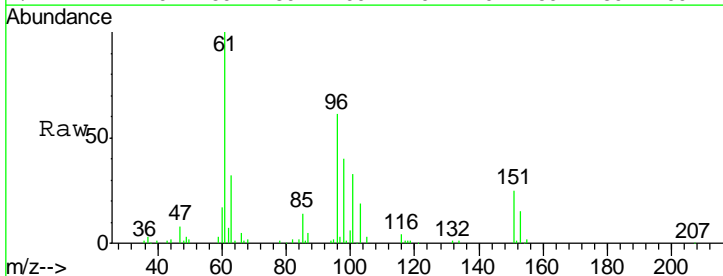


Tgt Ion: 59 Resp: 27477
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

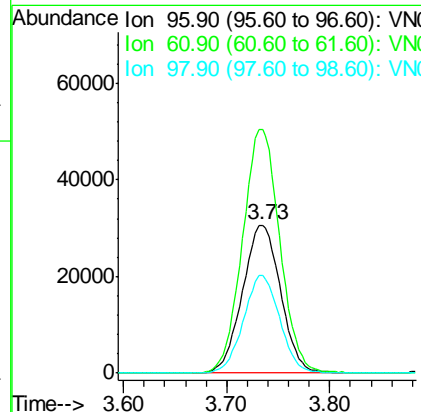
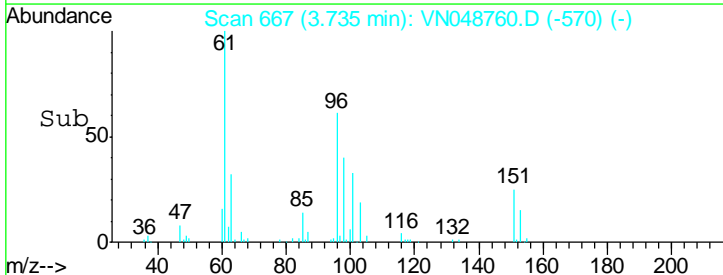
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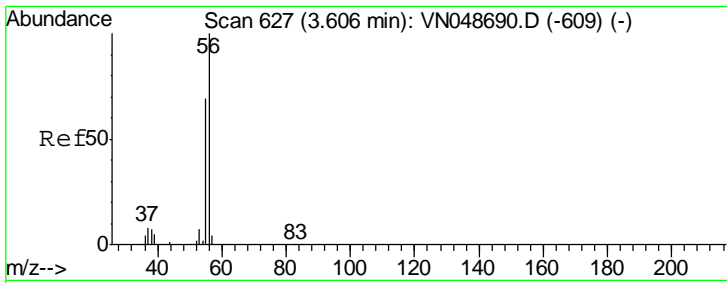


#12
 1,1-Dichloroethene
 Concen: 20.80 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26



Tgt Ion: 96 Resp: 78741
 Ion Ratio Lower Upper
 96 100
 61 164.8 125.6 188.4
 98 66.5 51.0 76.4



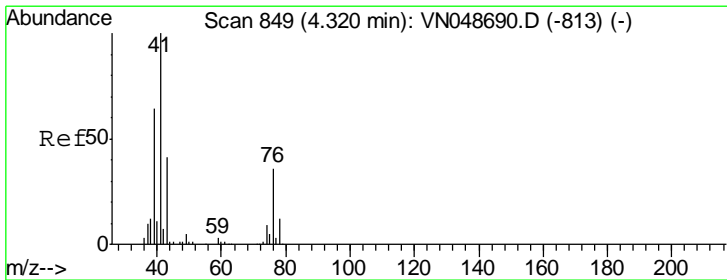
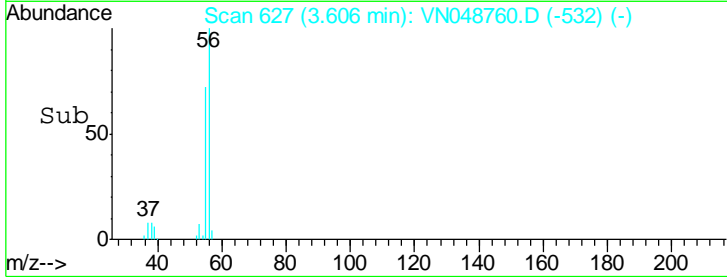
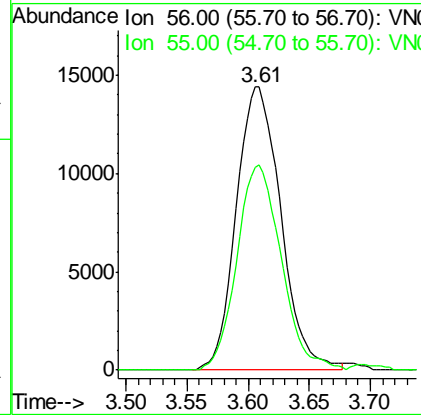
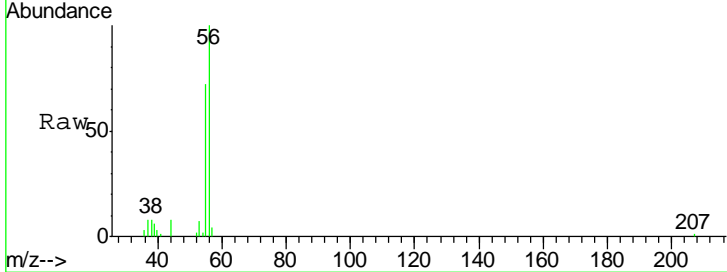


#13
 Acrolein
 Concen: 91.97 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
56	100		
55	72.0	57.1	85.7

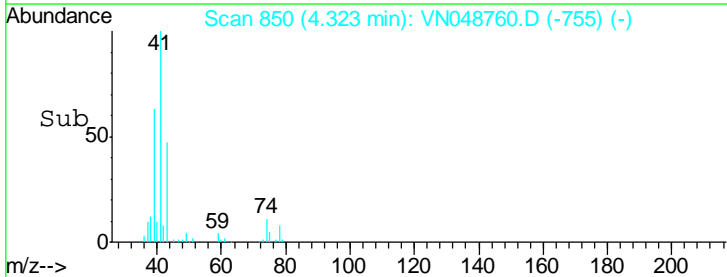
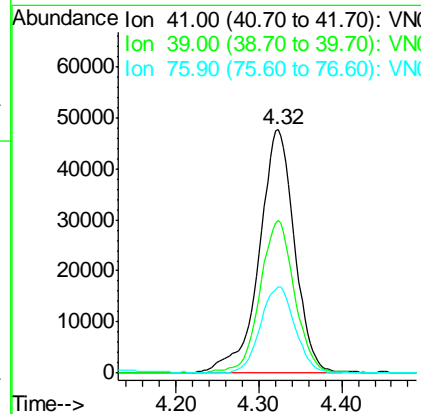
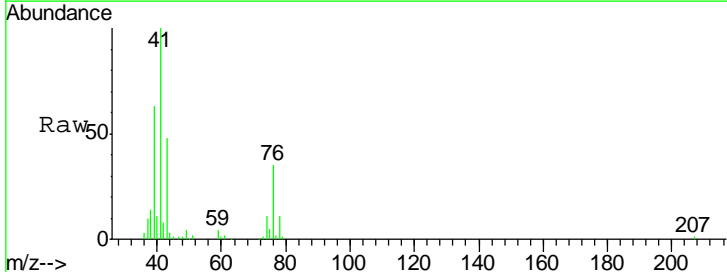
Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

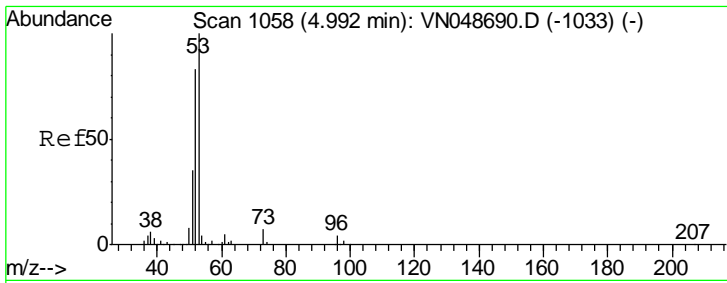
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#14
 Allyl chloride
 Concen: 20.00 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
41	100		
39	61.2	51.1	76.7
76	34.3	28.2	42.2





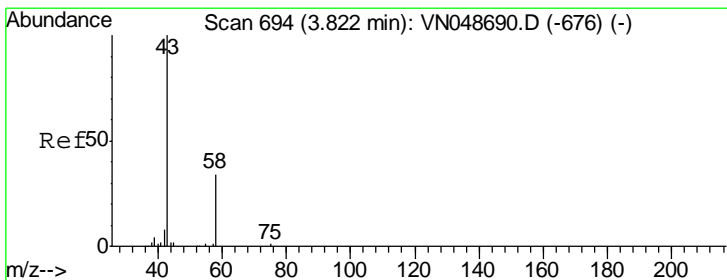
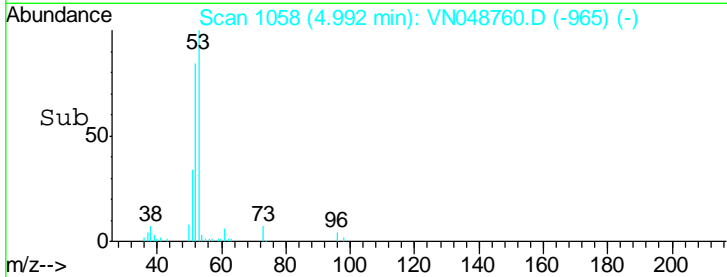
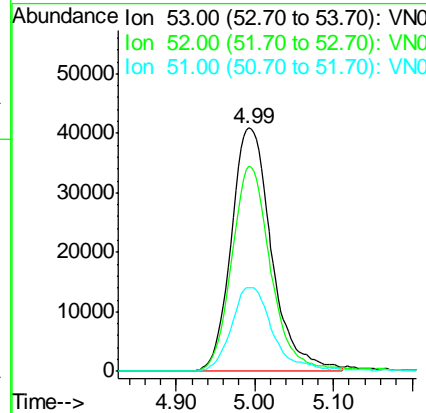
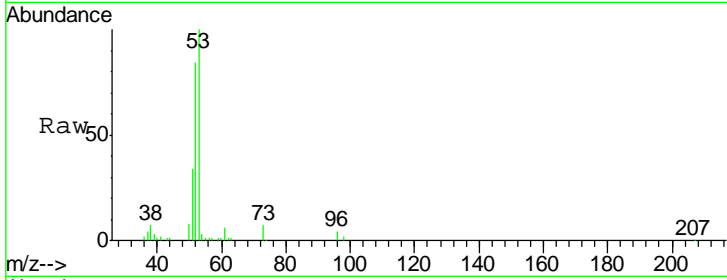
#15
 Acrylonitrile
 Concen: 106.52 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

Tgt Ion	Resp	Lower	Upper
53	145875		
52	81.6	65.5	98.3
51	35.2	28.8	43.2

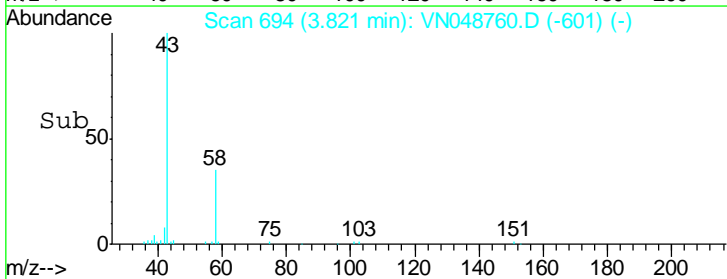
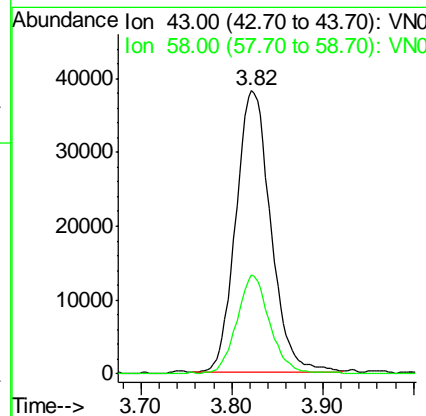
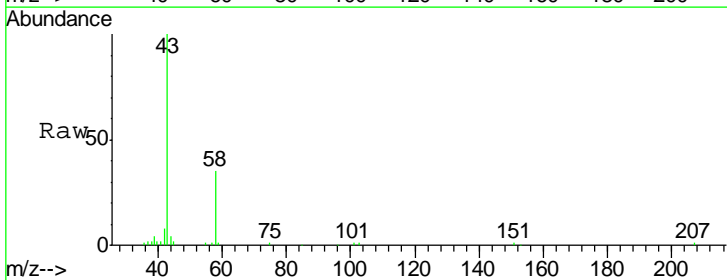
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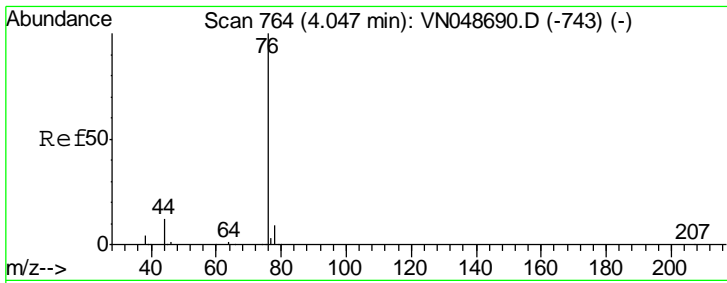
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#16
 Acetone
 Concen: 92.85 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
43	101994		
58	35.3	25.4	38.0



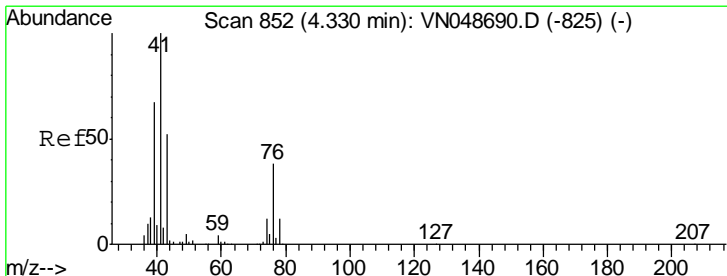
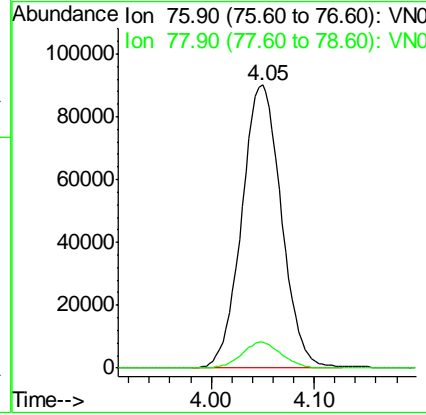
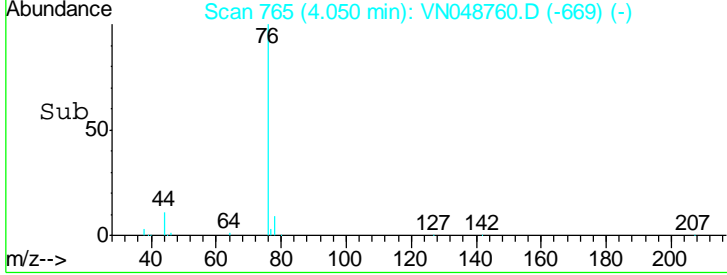
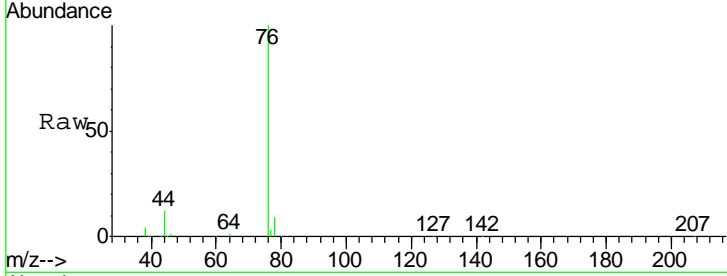


#17
 Carbon Disulfide
 Concen: 19.43 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
76	240396		
76	100		
78	9.2	7.2	10.8

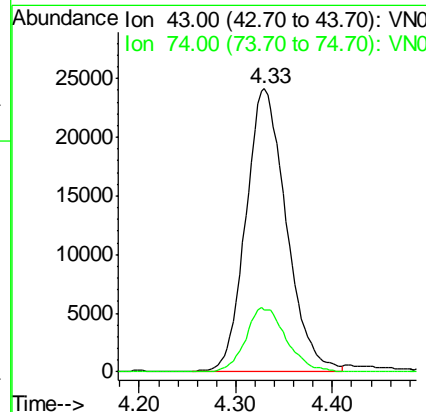
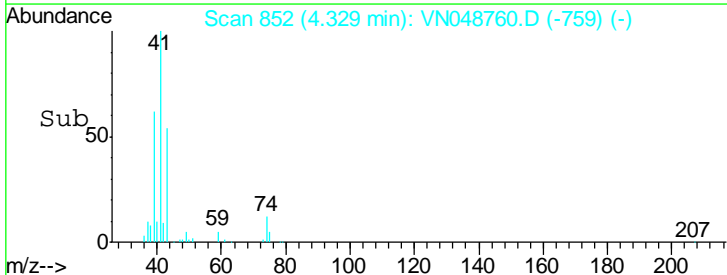
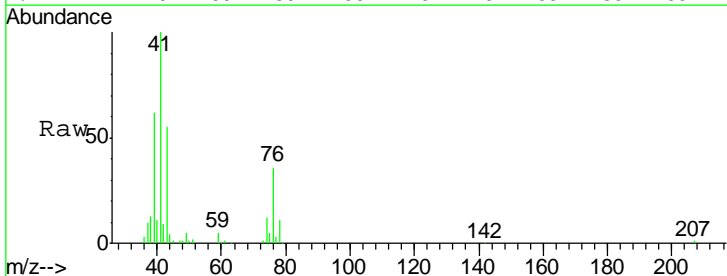
Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

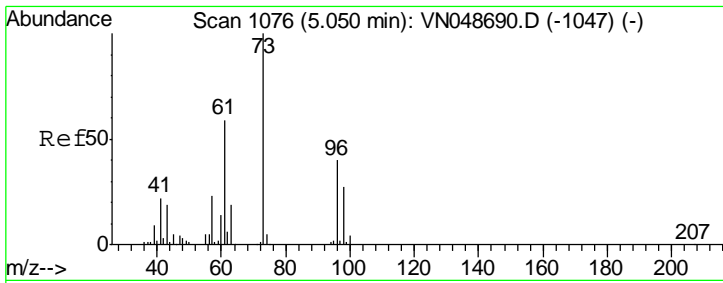
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#18
 Methyl Acetate
 Concen: 22.50 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
43	70411		
43	100		
74	22.6	18.4	27.6



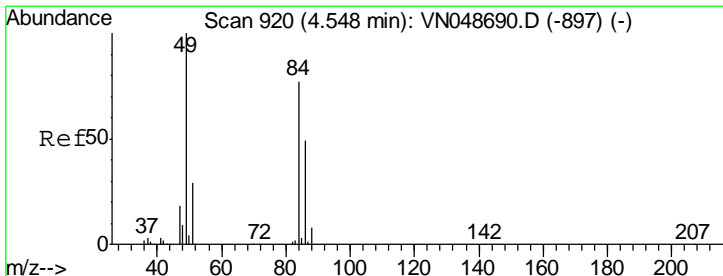
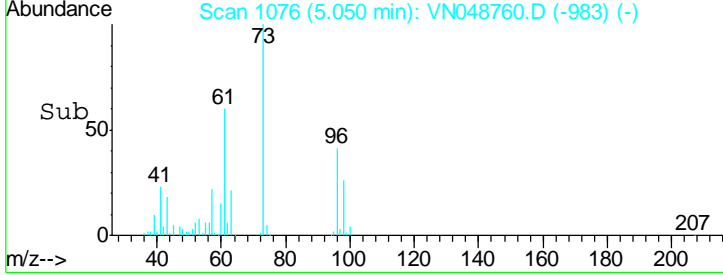
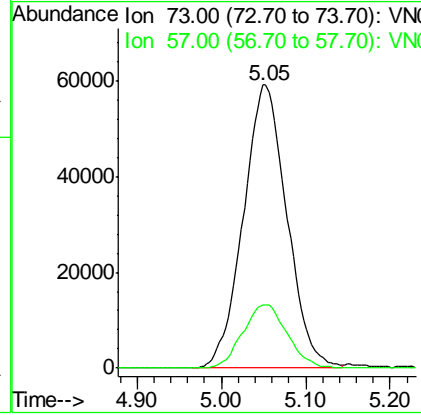
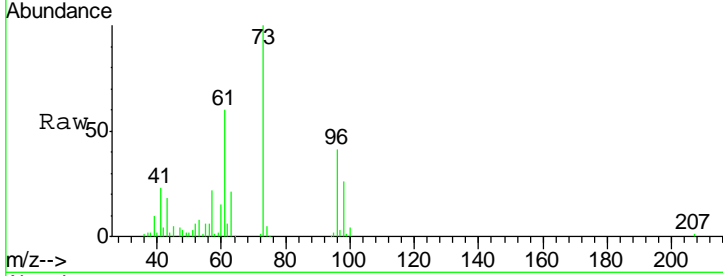


#19
 Methyl tert-butyl Ether
 Concen: 20.49 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.2	18.0	27.0

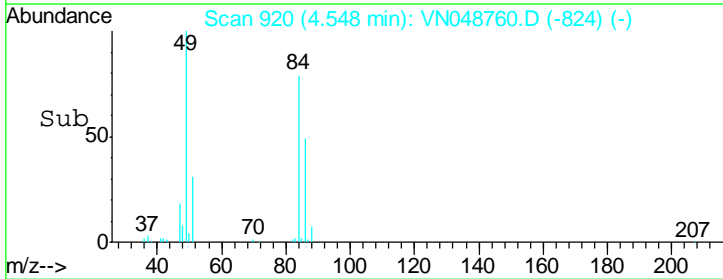
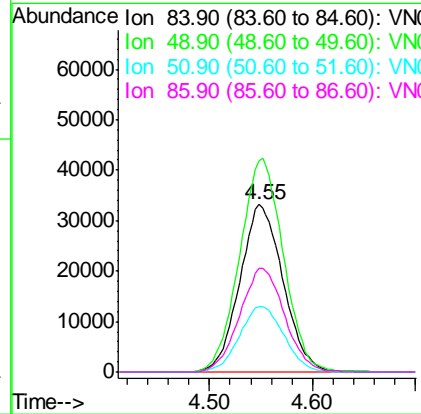
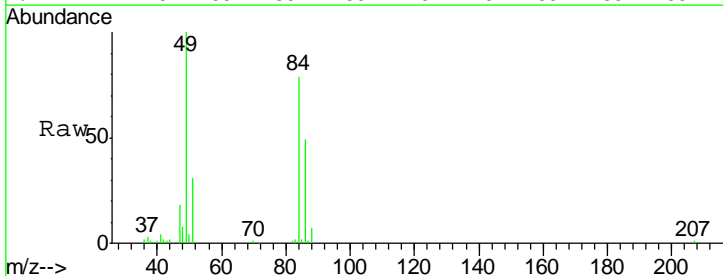
Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

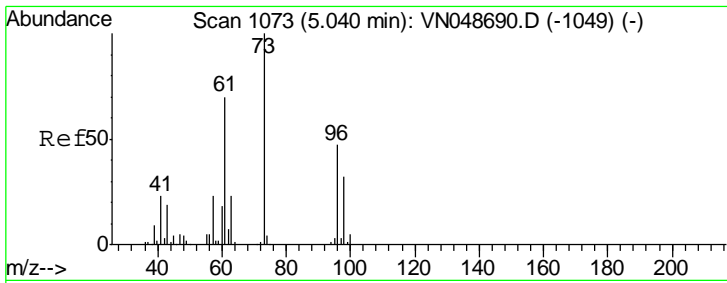
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#20
 Methylene Chloride
 Concen: 21.29 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

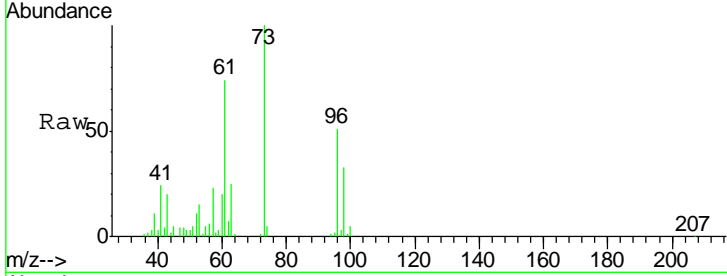
Tgt Ion	Resp	Lower	Upper
84	100		
49	126.4	97.7	146.5
51	38.9	30.4	45.6
86	61.8	51.8	77.8





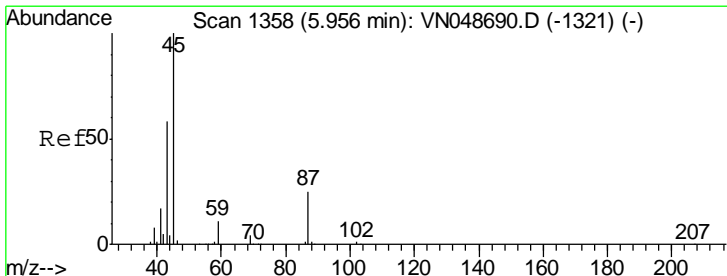
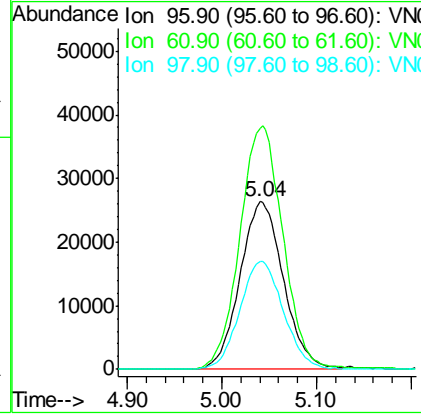
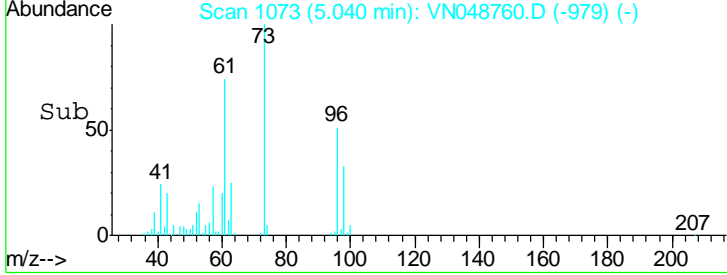
#21
 trans-1,2-Dichloroethene
 Concen: 20.79 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02



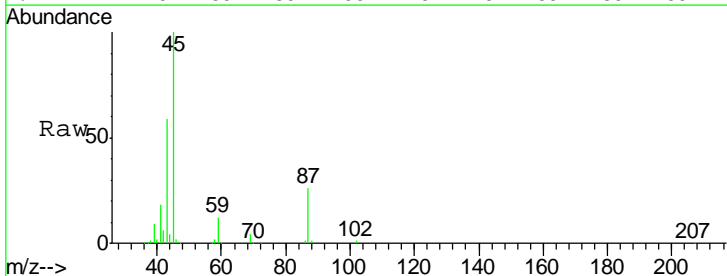
Tgt Ion	Resp	Lower	Upper
96	83975		
96	100		
61	143.5	112.2	168.2
98	64.1	50.5	75.7

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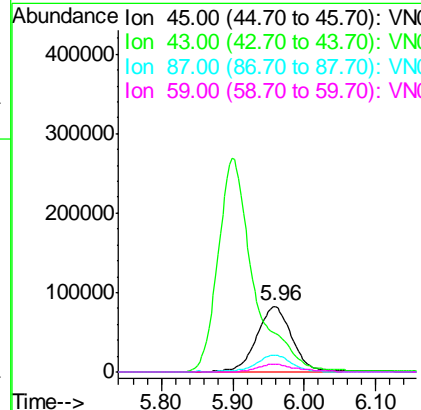
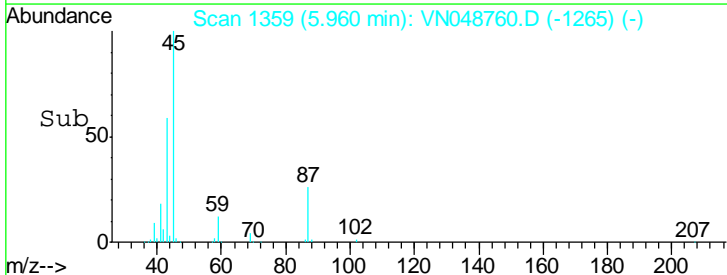


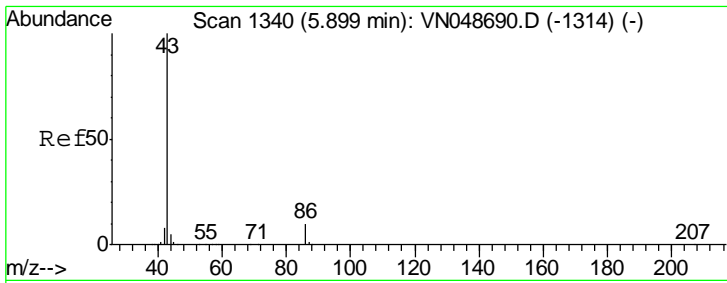
#22
 Diisopropyl ether
 Concen: 20.93 ug/l
 RT: 5.96 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

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Tgt Ion	Resp	Lower	Upper
45	282713		
45	100		
43	56.0	43.8	65.8
87	25.7	21.8	32.6
59	11.8	9.2	13.8





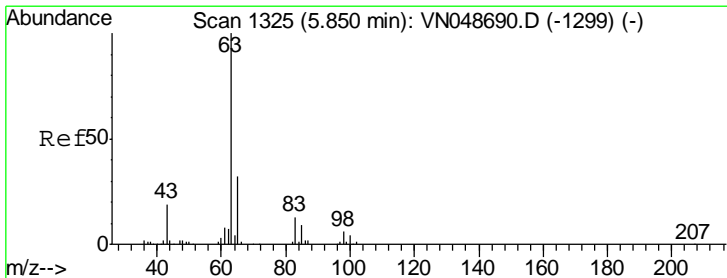
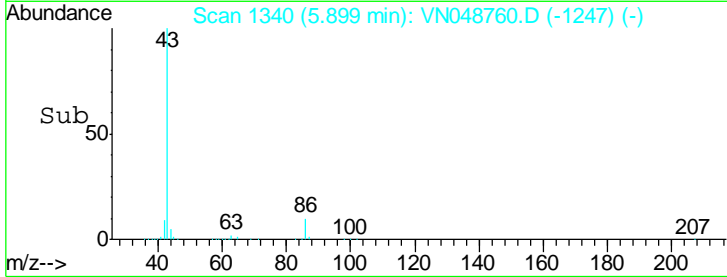
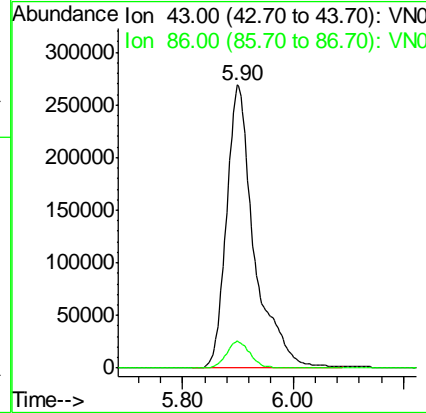
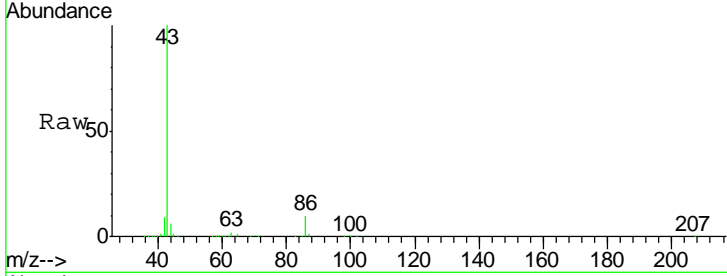
#23
 Vinyl Acetate
 Concen: 102.25 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampleId : VN0530WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.2	12.2

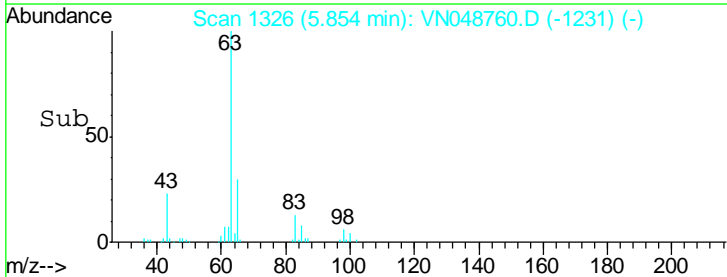
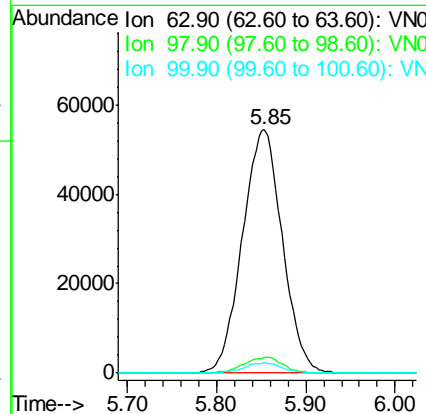
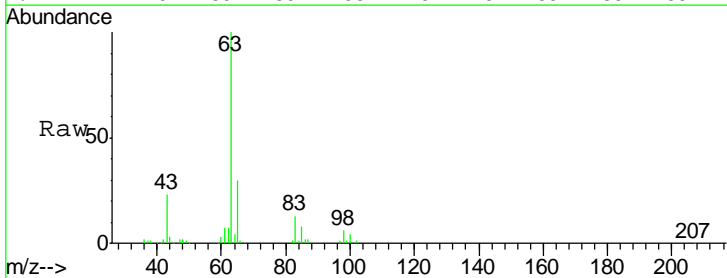
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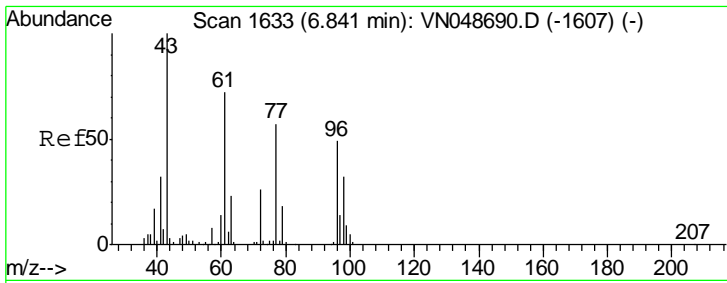
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#24
 1,1-Dichloroethane
 Concen: 21.30 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.2	9.6
100	4.1	2.1	6.3



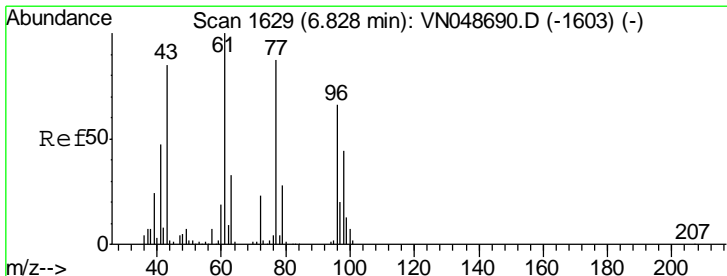
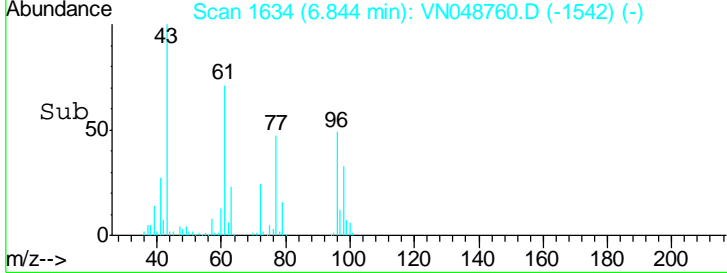
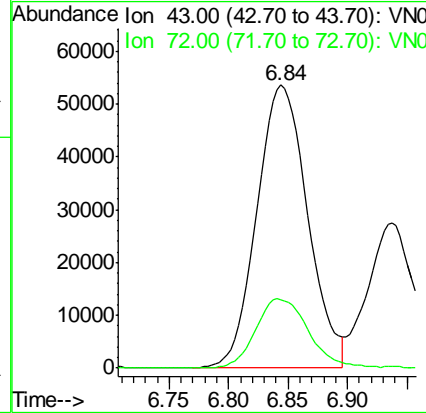
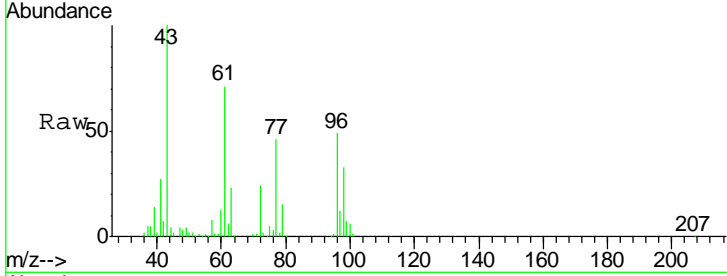


#25
 2-Butanone
 Concen: 98.65 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS02

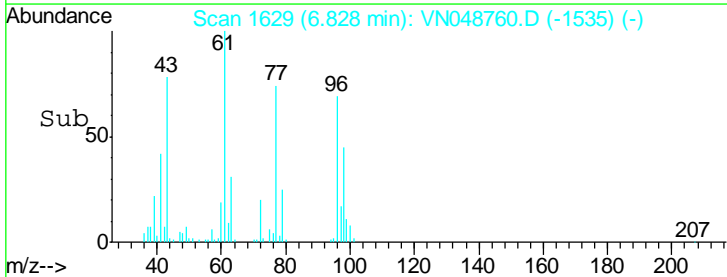
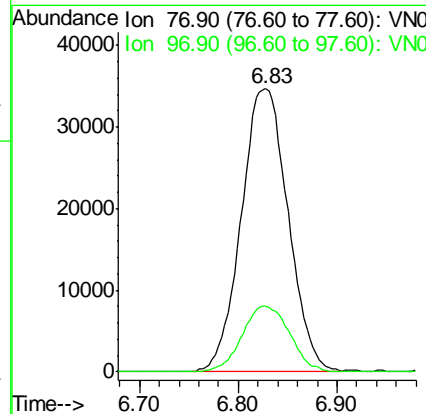
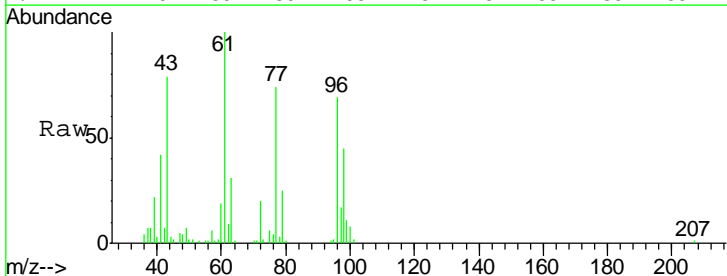
Tgt Ion	Resp	Lower	Upper
43	100		
72	24.2	20.8	31.2

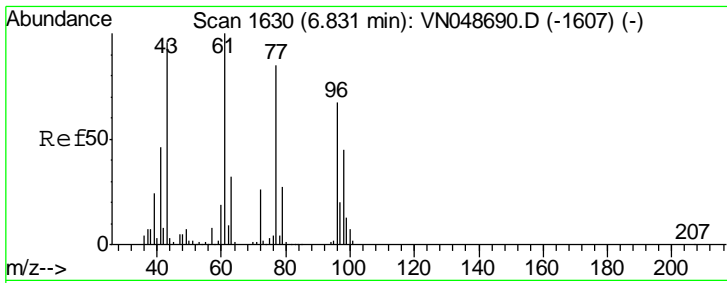
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#26
 2,2-Dichloropropane
 Concen: 17.21 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.5	11.9	35.5



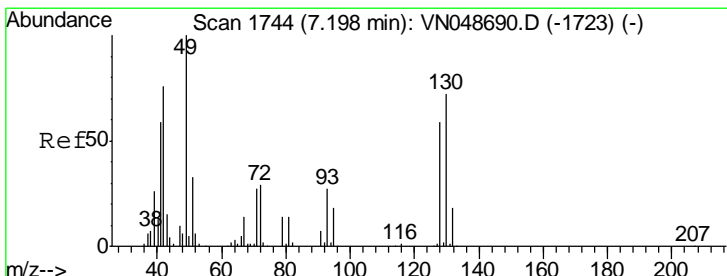
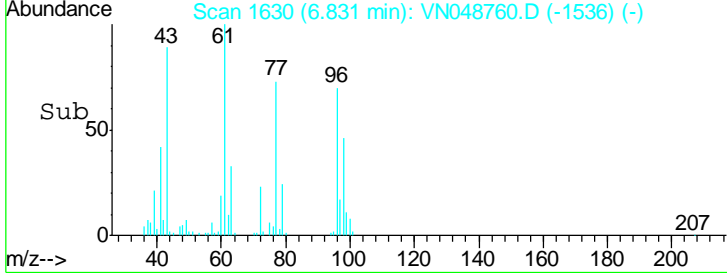
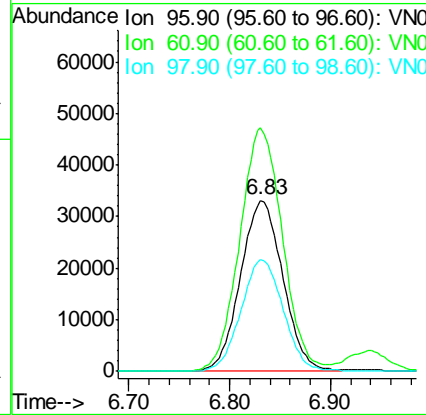
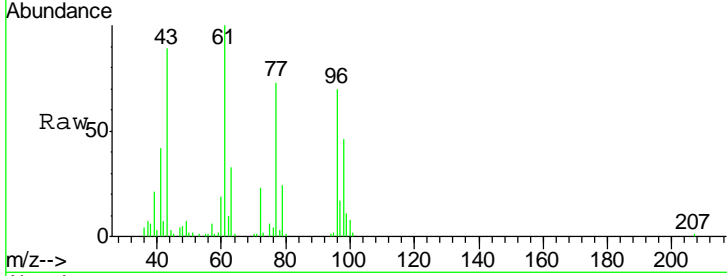


#27
 cis-1,2-Dichloroethene
 Concen: 21.20 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

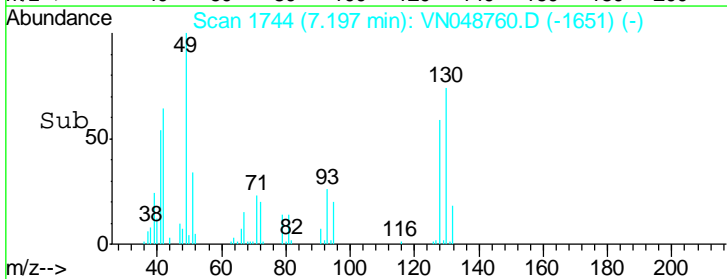
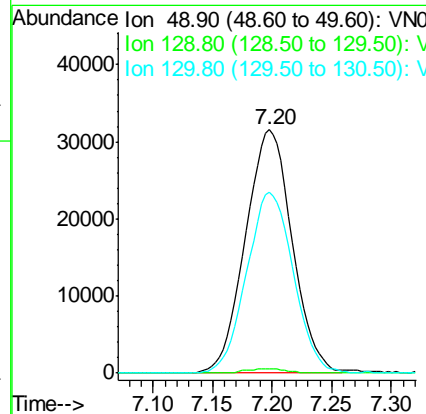
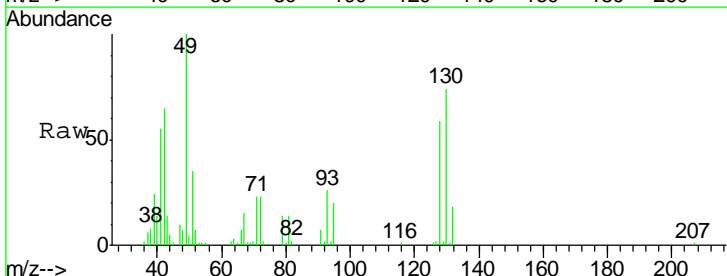
Tgt Ion	Resp	Lower	Upper
96	96574		
96	100		
61	143.6	0.0	292.6
98	65.3	0.0	128.2

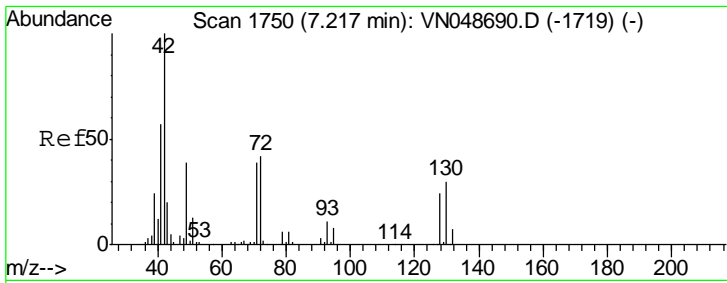
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#28
 Bromochloromethane
 Concen: 23.68 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
49	85846		
49	100		
129	0.4	0.0	3.8
130	74.2	64.2	96.2





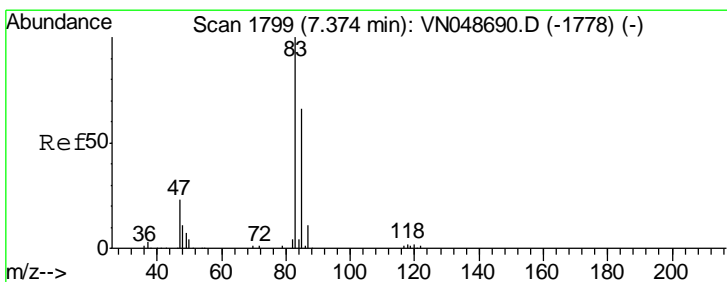
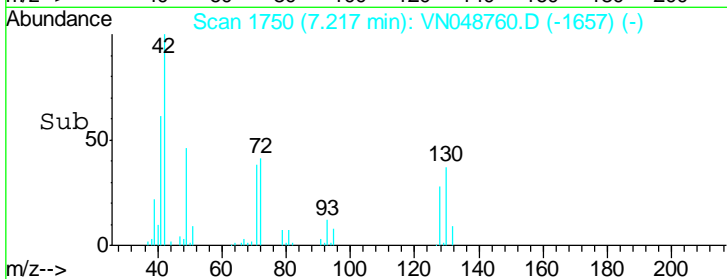
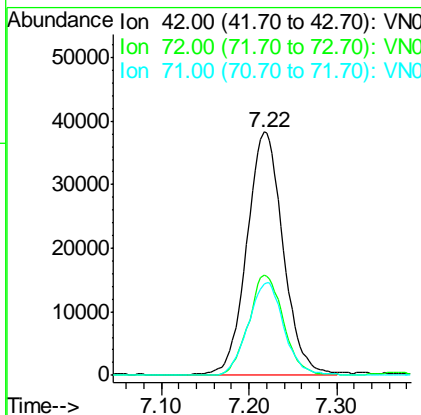
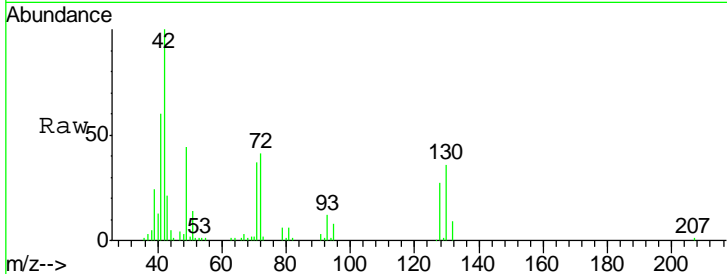
#29
 Tetrahydrofuran
 Concen: 102.51 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
42	110428		
72	39.5	34.2	51.4
71	37.4	31.8	47.8

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

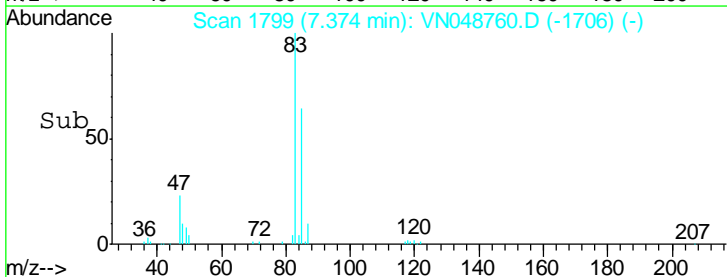
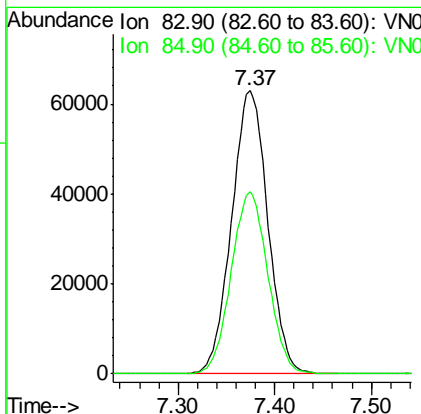
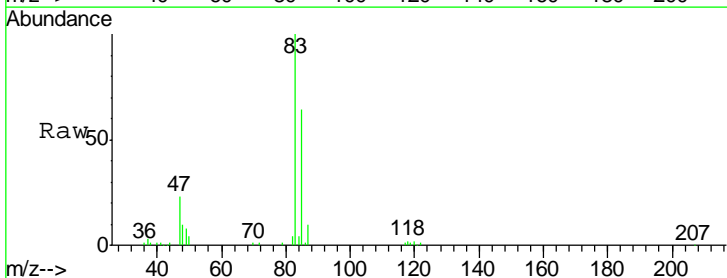
Manual Integrations
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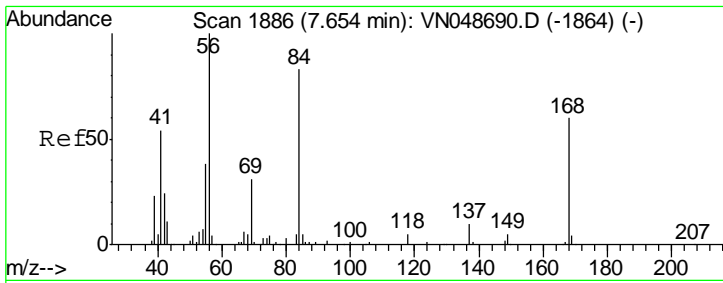
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#30
 Chloroform
 Concen: 21.37 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
83	163584		
85	64.5	51.1	76.7



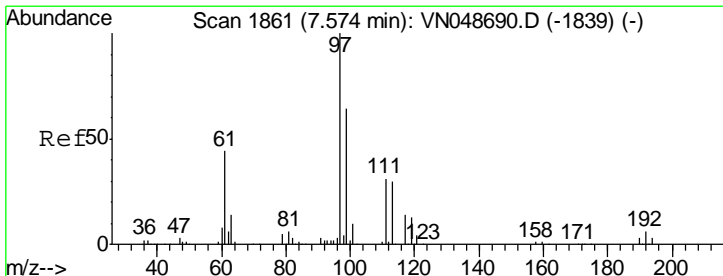
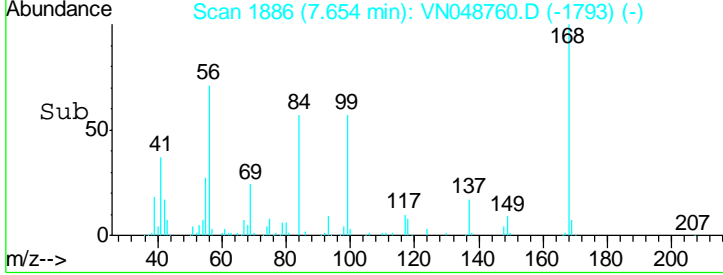
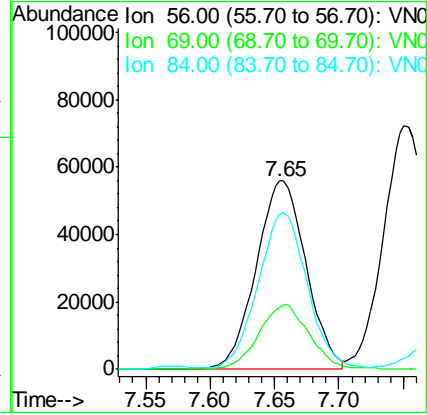
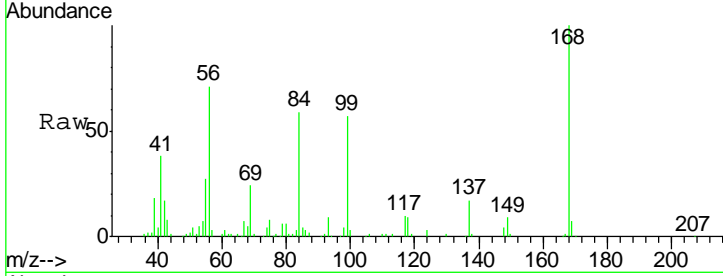


#31
 Cyclohexane
 Concen: 20.58 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS02

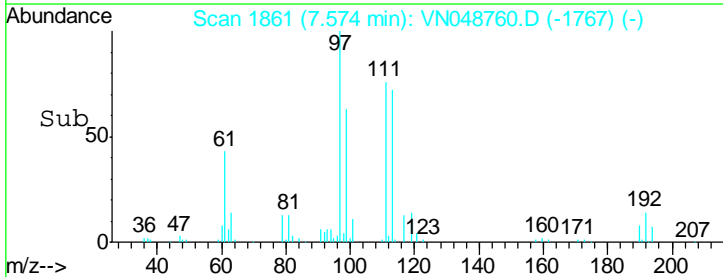
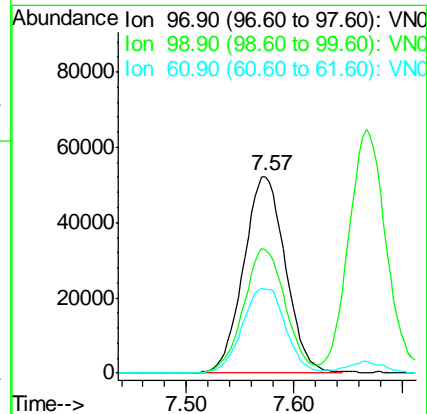
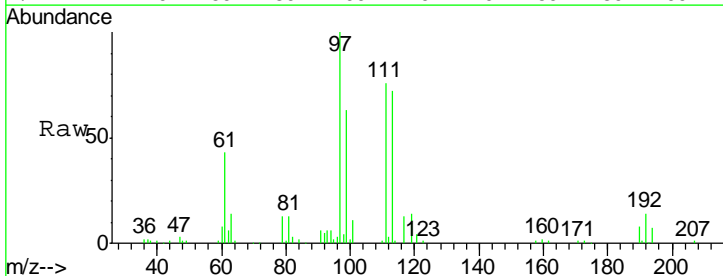
Tgt Ion	Resp	Lower	Upper
56	150572		
56	100		
69	33.2	25.6	38.4
84	81.5	67.5	101.3

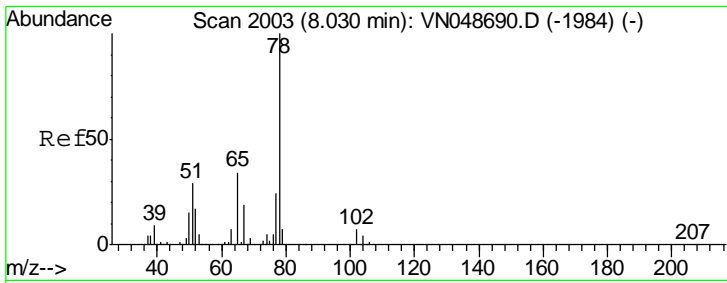
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#32
 1,1,1-Trichloroethane
 Concen: 21.12 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

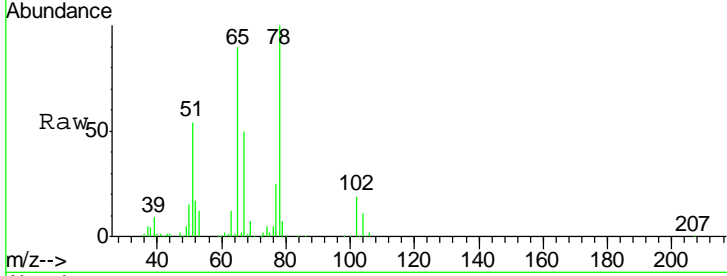
Tgt Ion	Resp	Lower	Upper
97	140836		
97	100		
99	63.0	51.4	77.2
61	44.4	34.2	51.2





#33
 1,2-Dichloroethane-d4
 Concen: 49.89 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

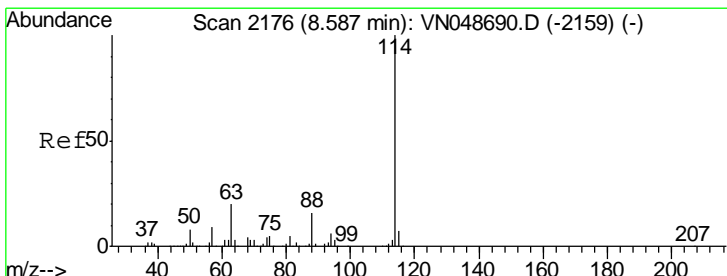
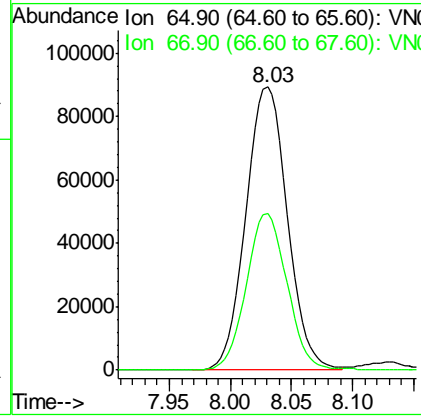
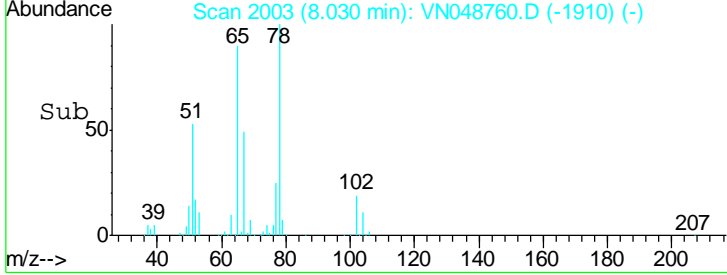
Instrument : MSVOA_N
 ClientSampled : VN0530WBS02



Tgt Ion: 65 Resp: 210357

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	108.4

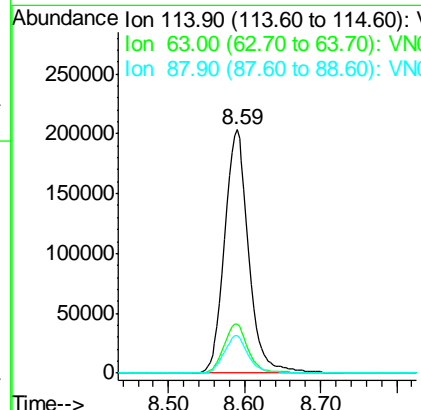
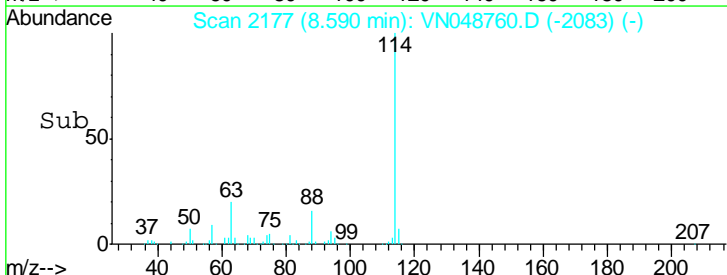
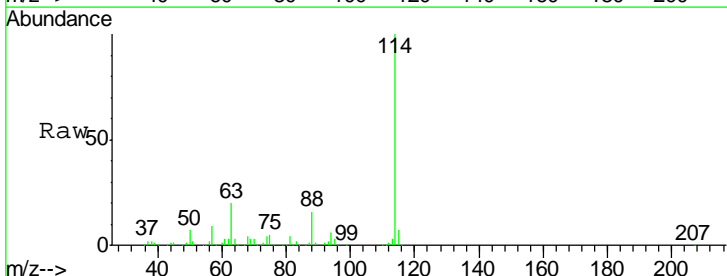
Manual Integrations
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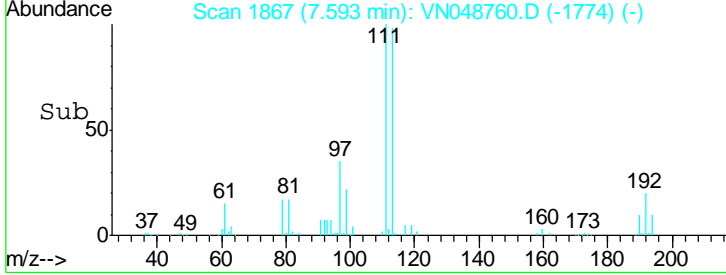
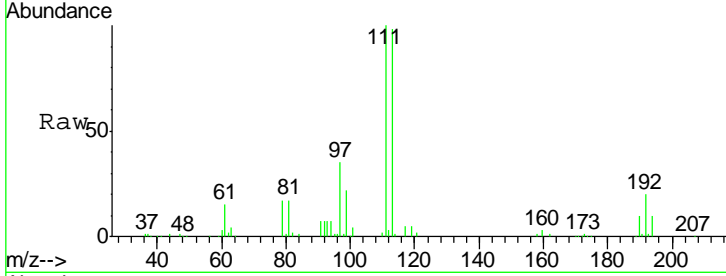
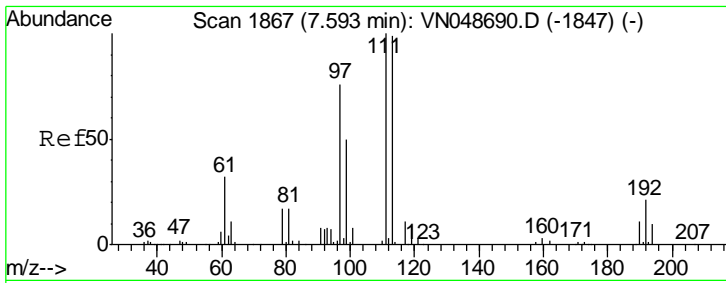


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion: 114 Resp: 448106

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	15.6	0.0	31.0



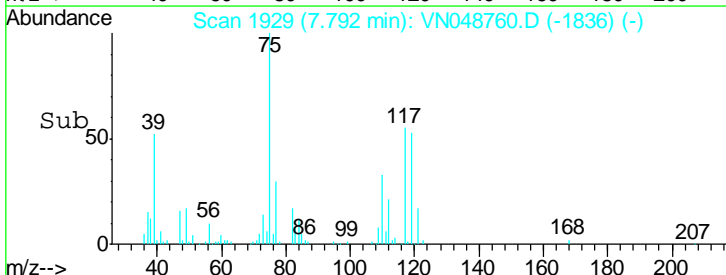
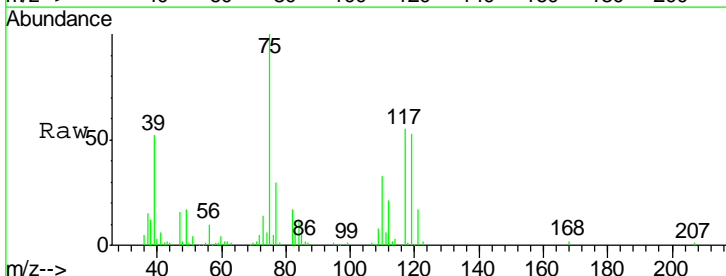
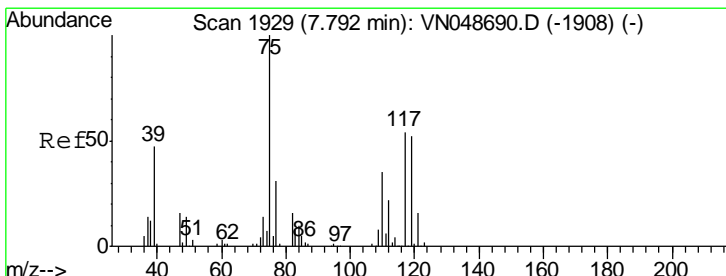
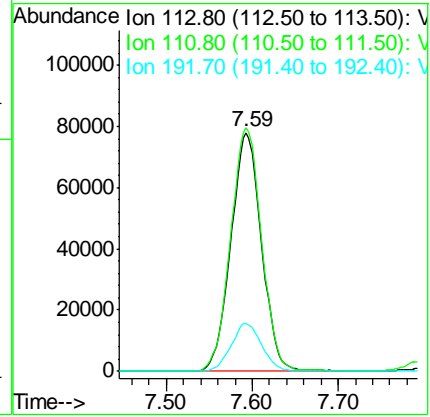


#35
 Dibromofluoromethane
 Concen: 50.65 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.7	122.5
192	20.1	17.6	26.4

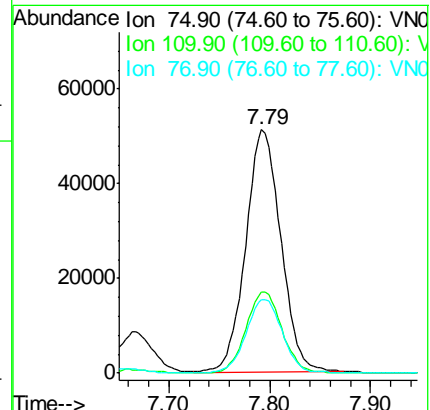
Instrument : MSVOA_N
 Client Sampled : VN0530WBS02

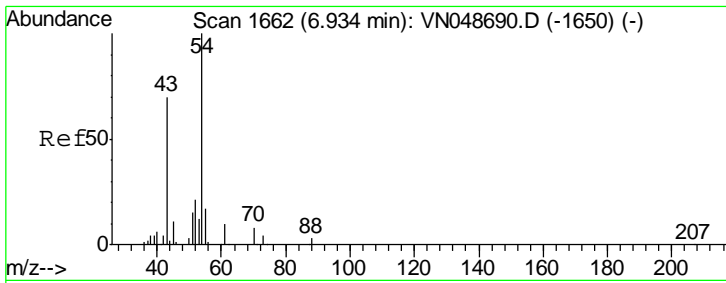
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#36
 1,1-Dichloropropene
 Concen: 19.91 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	18.4	55.0
77	31.6	25.0	37.4





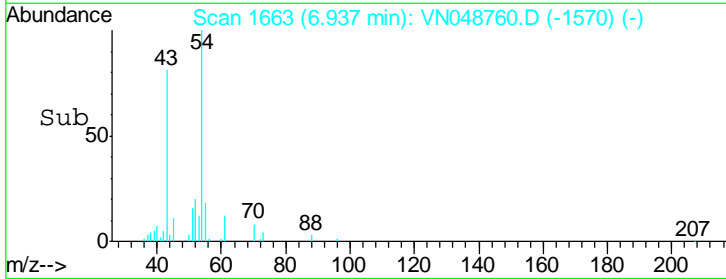
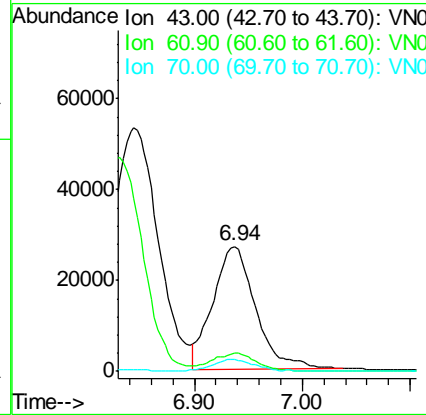
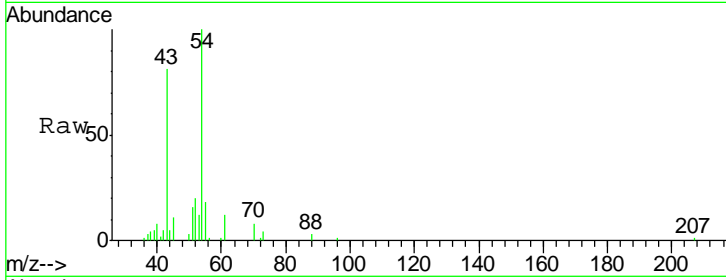
#37
 Ethyl Acetate
 Concen: 20.19 ug/l
 RT: 6.94 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS02

Tgt Ion	Resp	Lower	Upper
43	100		
61	15.3	11.4	17.2
70	9.4	8.6	12.8

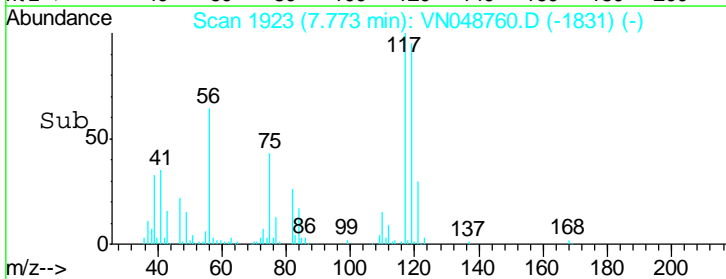
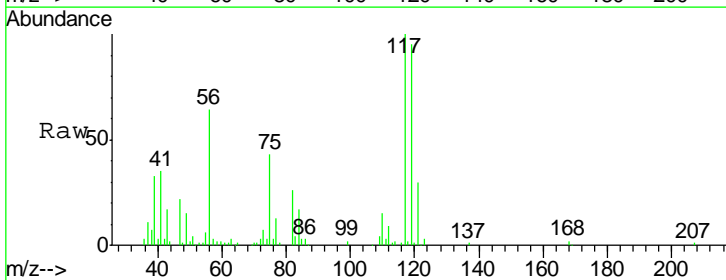
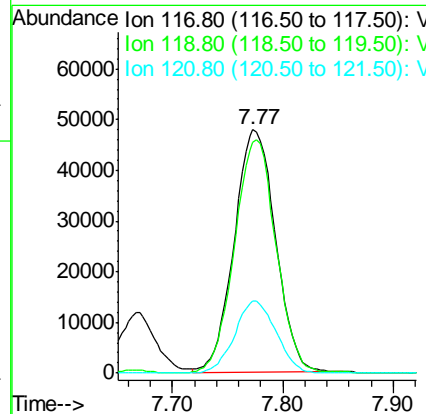
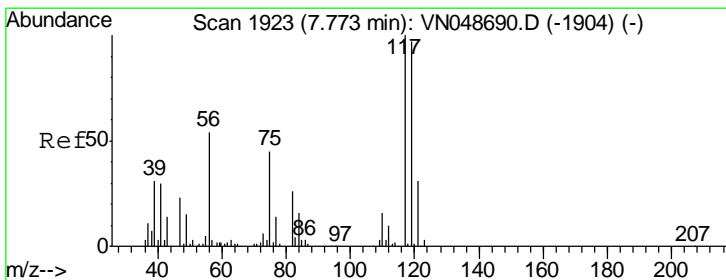
Manual Integrations
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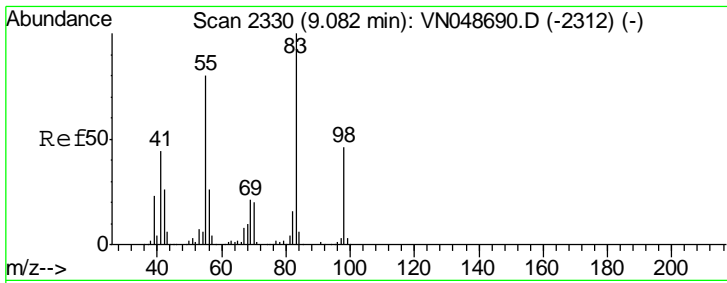
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#38
 Carbon Tetrachloride
 Concen: 19.62 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.0	78.0	117.0
121	29.7	24.5	36.7





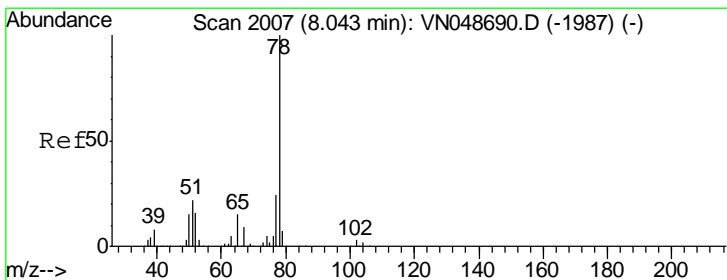
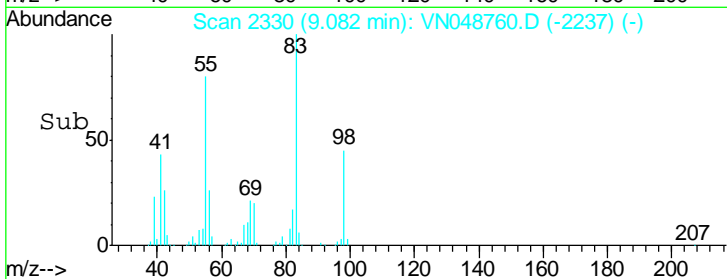
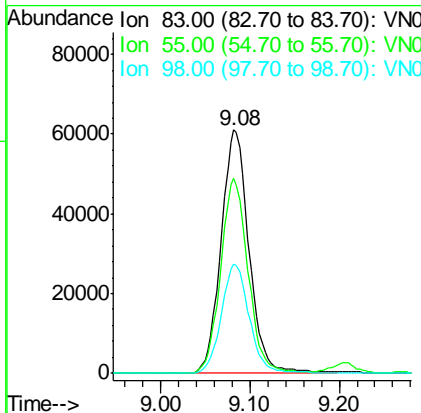
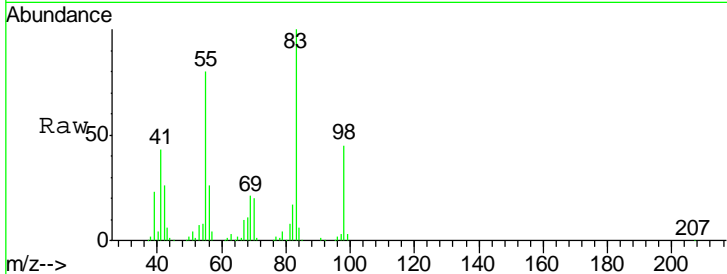
#39
 Methylcyclohexane
 Concen: 19.69 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS02

Tgt Ion	Resp	Lower	Upper
83	132575		
83	100		
55	80.2	61.7	92.5
98	44.9	36.8	55.2

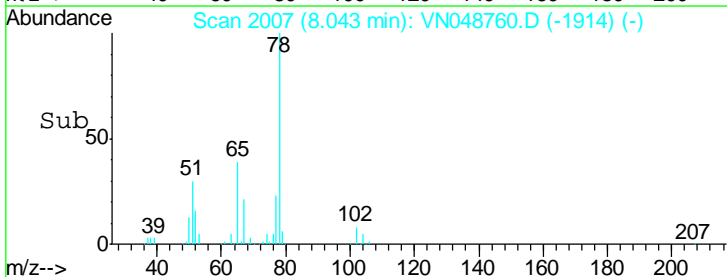
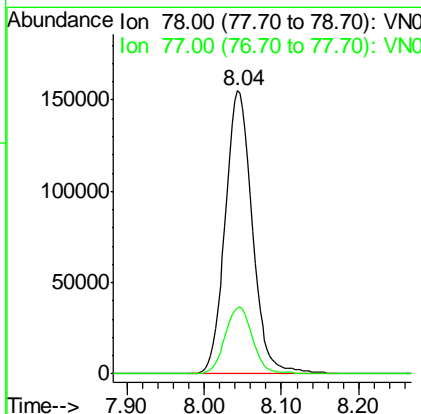
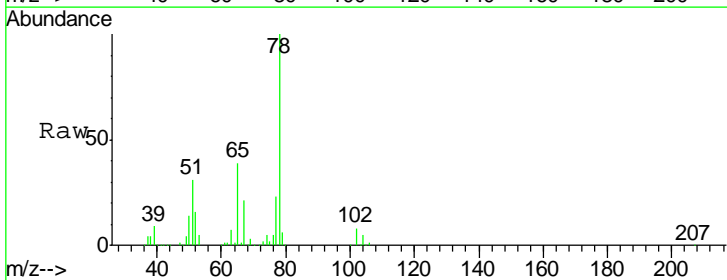
Manual Integrations
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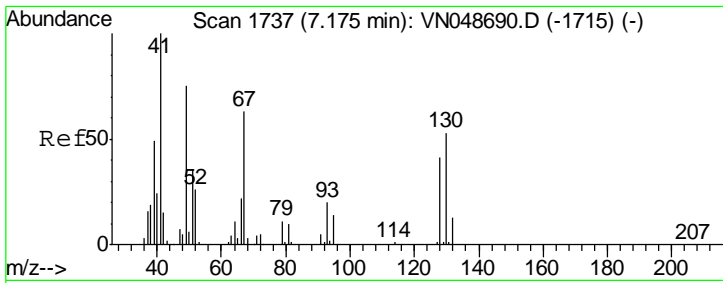
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#40
 Benzene
 Concen: 20.80 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
78	375841		
78	100		
77	23.3	18.7	28.1



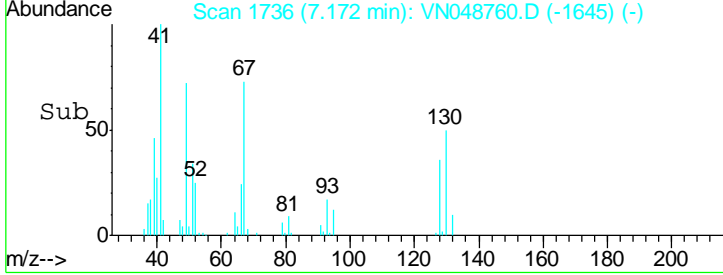
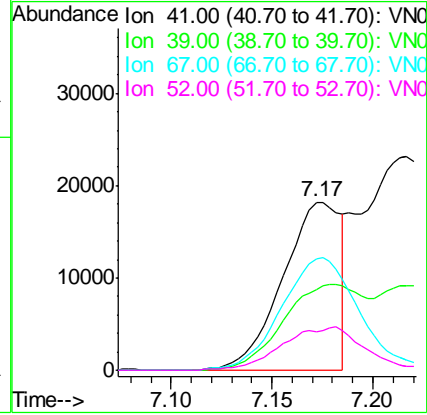
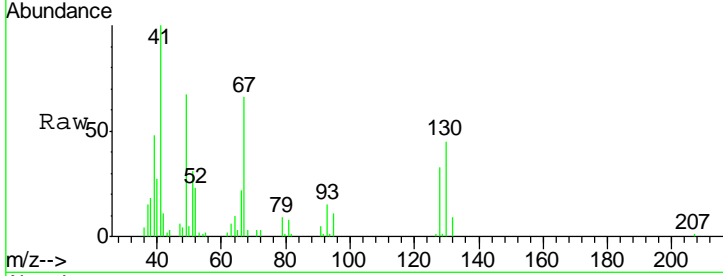


#41
 Methacrylonitrile
 Concen: 17.67 ug/l
 RT: 7.17 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
41	100		
39	69.5	47.4	71.2
67	91.3	62.4	93.6
52	36.7	25.6	38.4

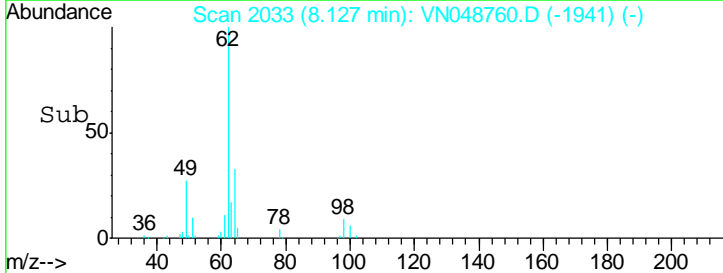
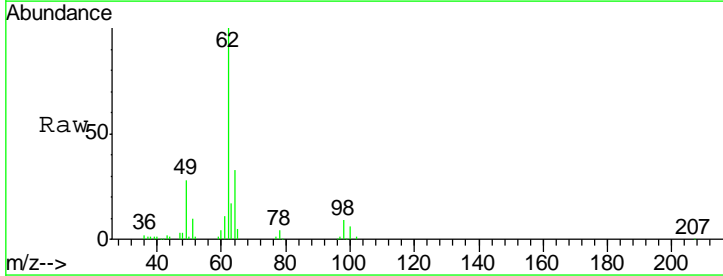
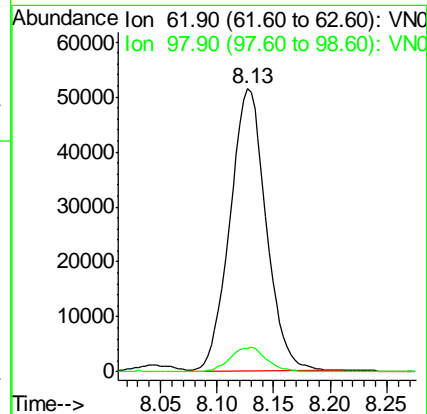
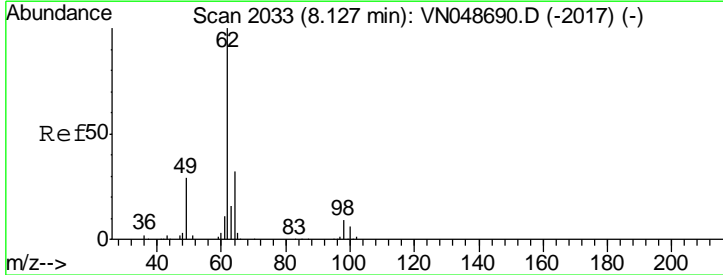
Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

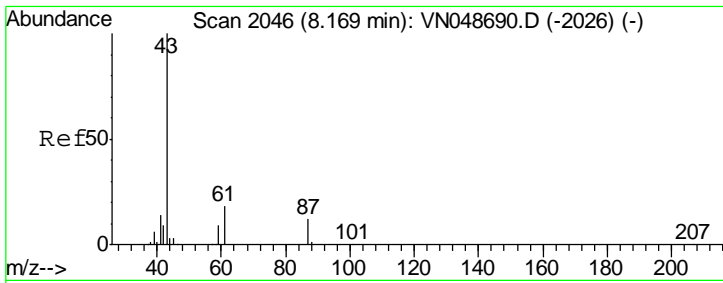
Manual Integrations
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#42
 1,2-Dichloroethane
 Concen: 20.30 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

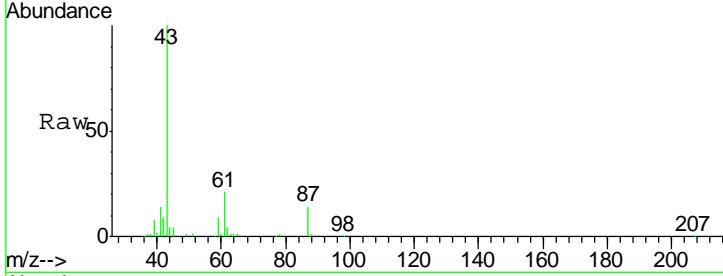
Tgt Ion	Resp	Lower	Upper
62	100		
98	8.8	0.0	18.2





#43
 Isopropyl Acetate
 Concen: 19.92 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

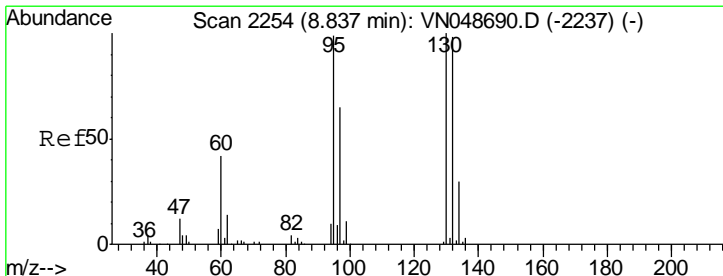
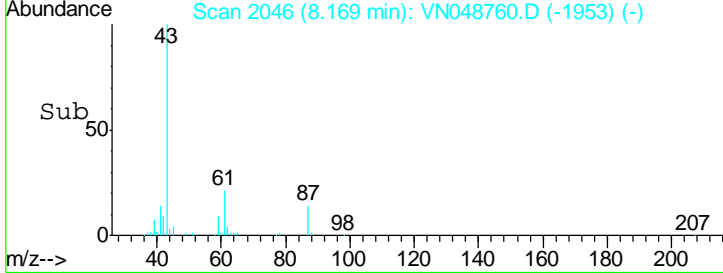
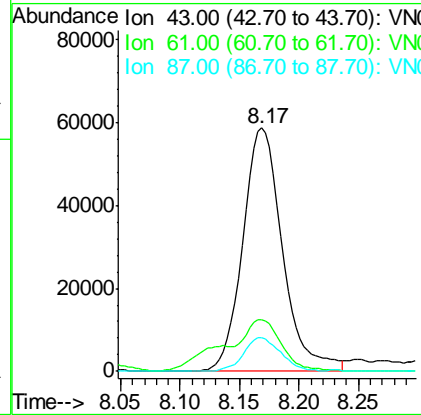
Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS02



Tgt Ion: 43 Resp: 136268

Ion	Ratio	Lower	Upper
43	100		
61	19.4	22.2	33.2#
87	12.9	10.6	15.8

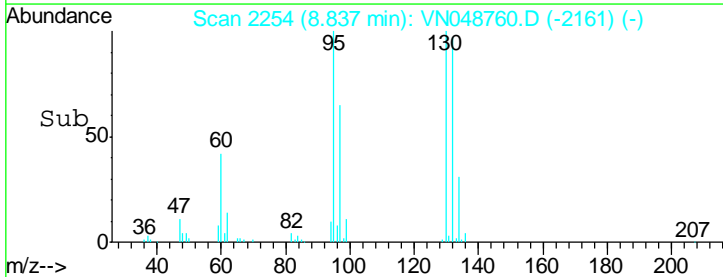
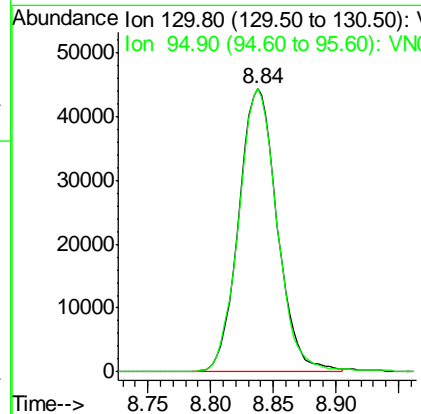
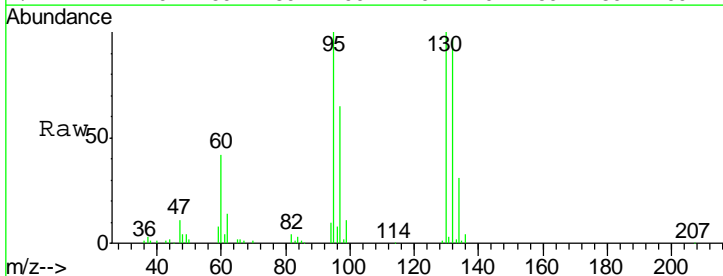
Manual Integrations
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 5/31/2018 3:07:11 PM

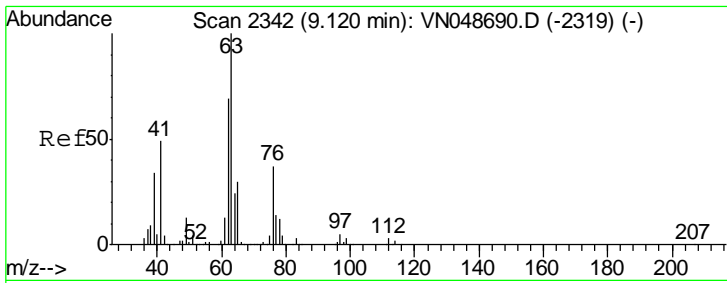


#44
 Trichloroethene
 Concen: 20.37 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion: 130 Resp: 94710

Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	191.6



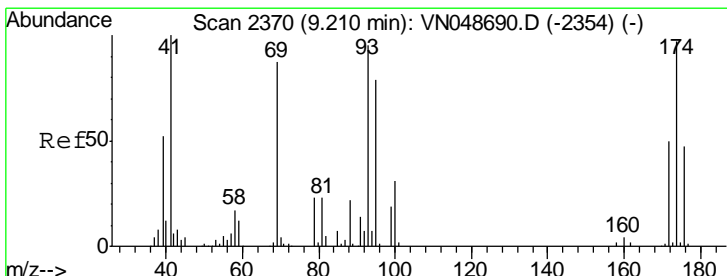
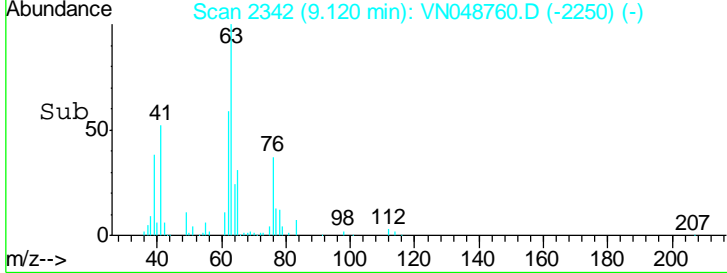
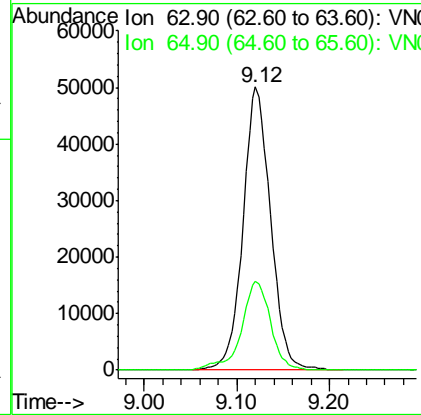
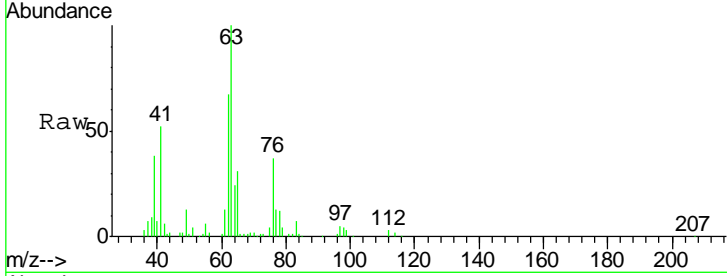


#45
 1,2-Dichloropropane
 Concen: 21.03 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
63	103435		
63	100		
65	31.4	23.9	35.9

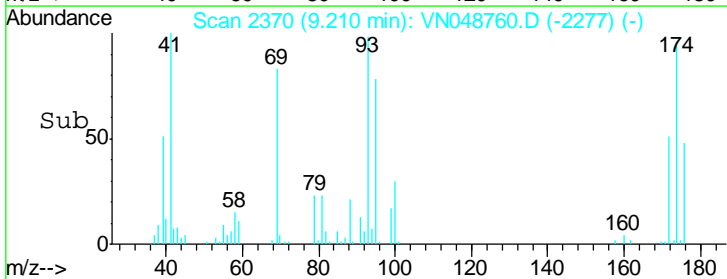
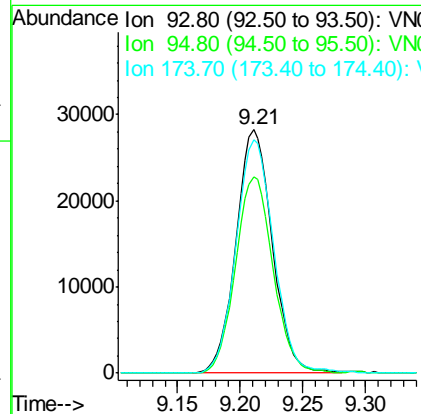
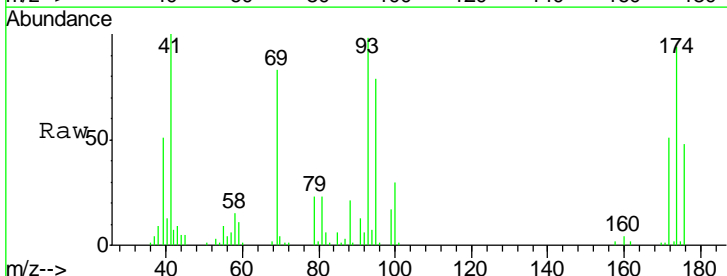
Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

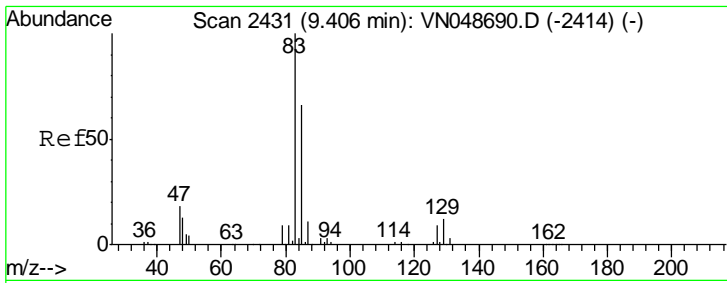
Manual Integrations
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#46
 Dibromomethane
 Concen: 20.71 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
93	57105		
93	100		
95	83.0	66.7	100.1
174	98.9	87.7	131.5



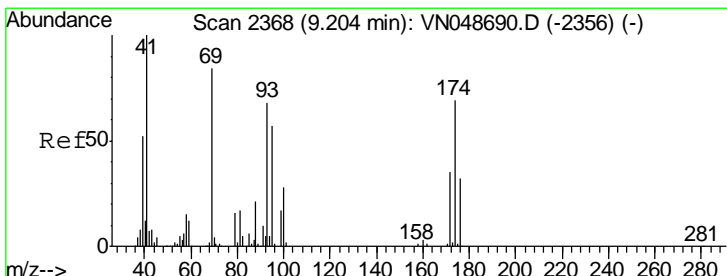
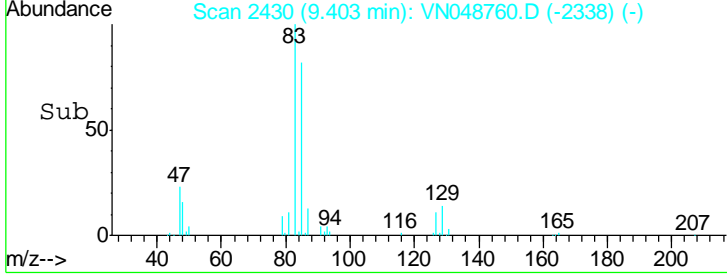
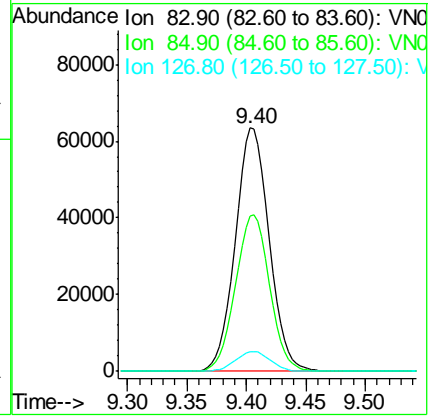
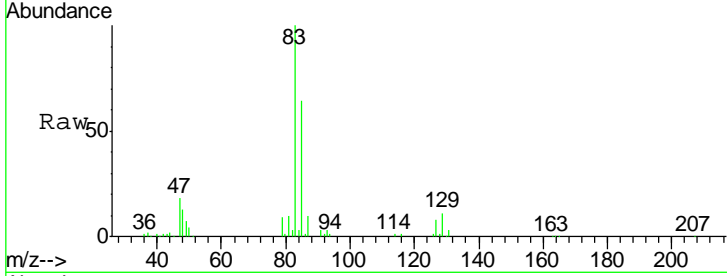


#47
 Bromodichloromethane
 Concen: 20.28 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

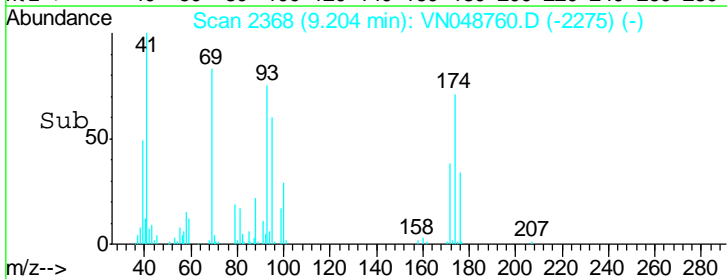
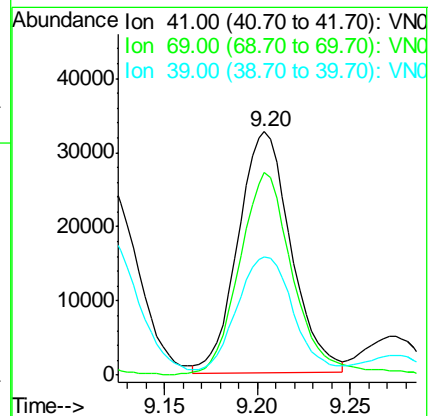
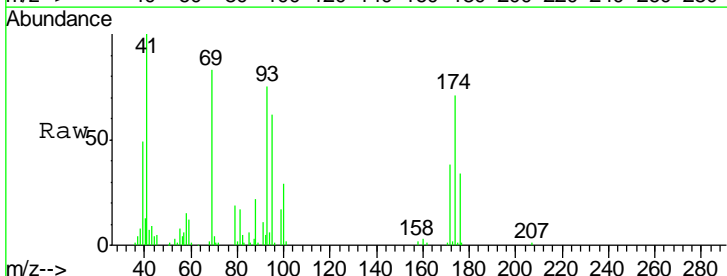
Tgt Ion	Resp	Lower	Upper
83	125126		
85	63.9	52.1	78.1
127	8.2	7.3	10.9

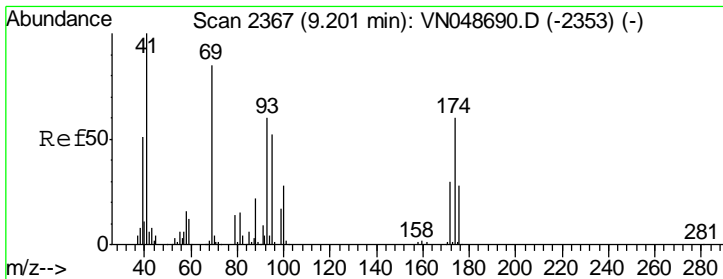
Manual Integrations
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#48
 Methyl methacrylate
 Concen: 19.66 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
41	64997		
69	85.5	68.6	103.0
39	52.6	42.3	63.5





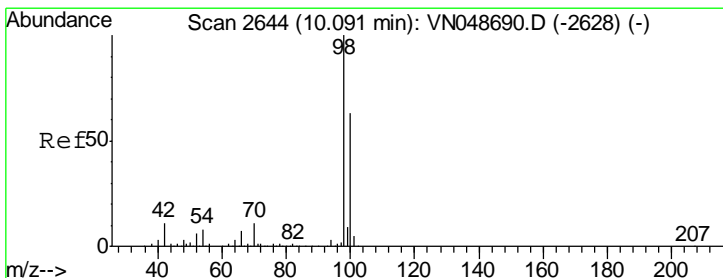
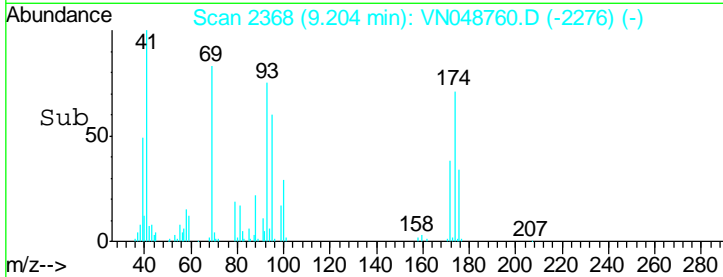
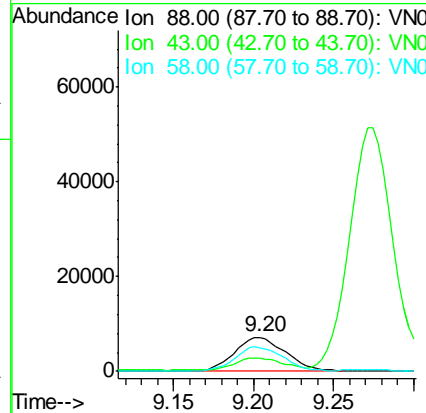
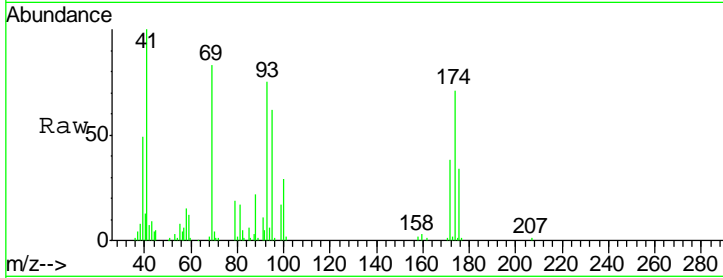
#49
 1,4-Dioxane
 Concen: 391.08 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.7	27.6	41.4
58	68.9	57.0	85.6

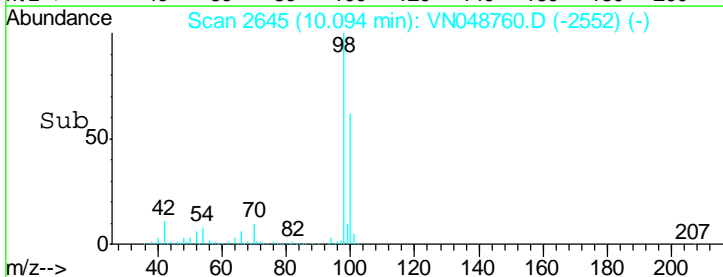
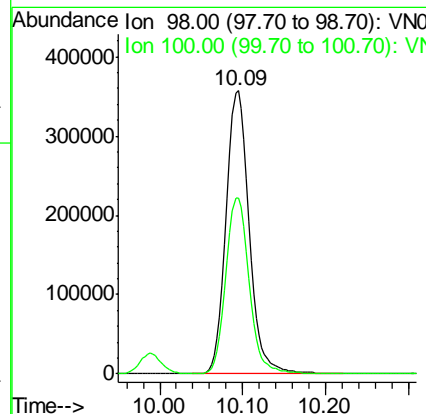
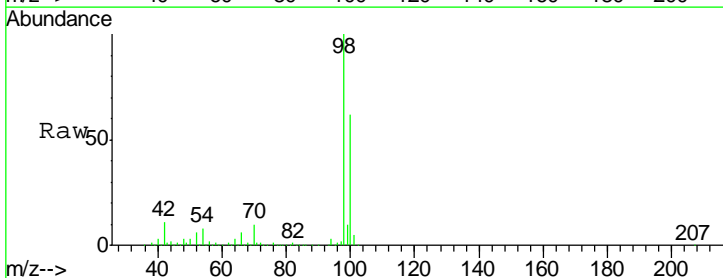
Manual Integrations
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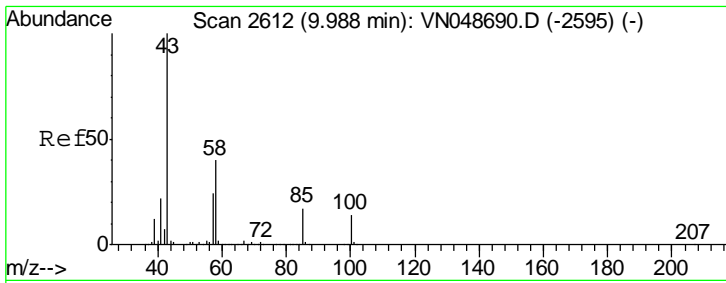
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#50
 Toluene-d8
 Concen: 49.31 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.2	76.8



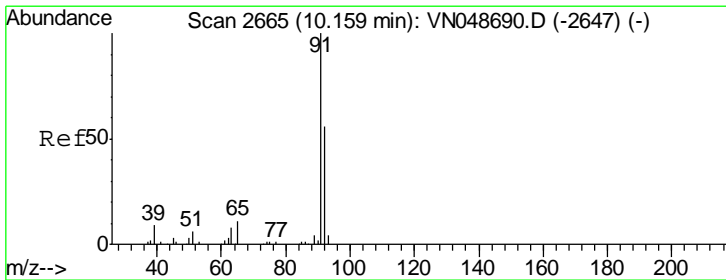
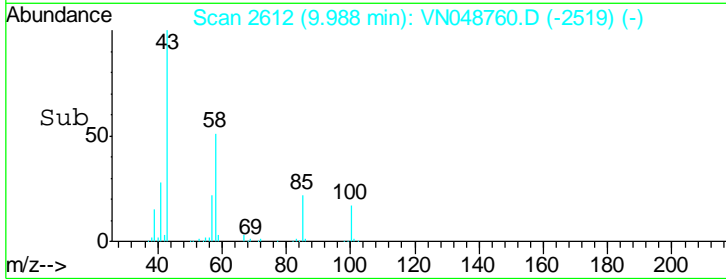
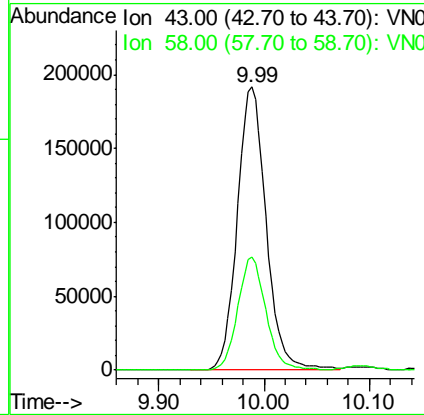
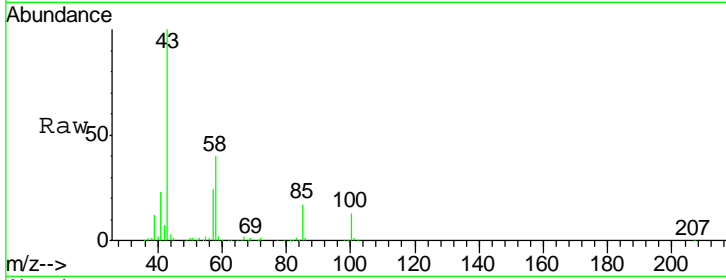


#51
 4-Methyl-2-Pentanone
 Concen: 100.90 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

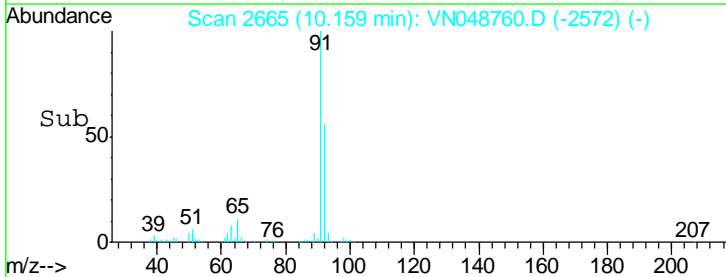
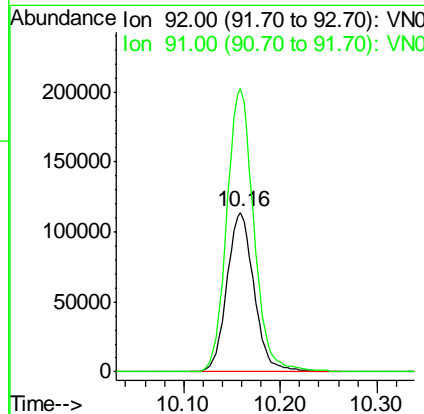
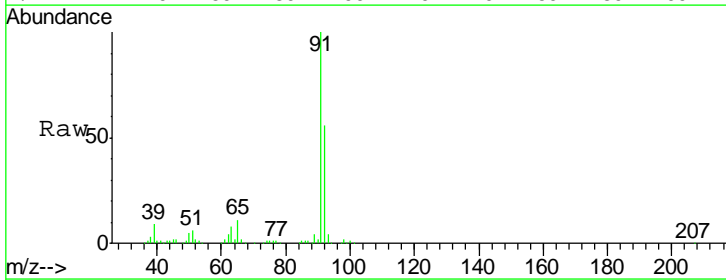
Tgt Ion	Resp	Lower	Upper
43	100		
58	38.8	31.0	46.6

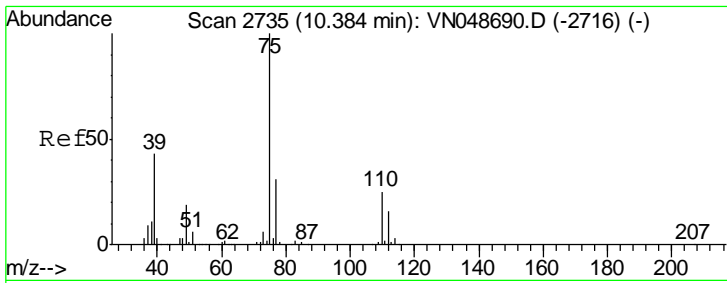
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#52
 Toluene
 Concen: 20.80 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
92	100		
91	177.8	141.0	211.4



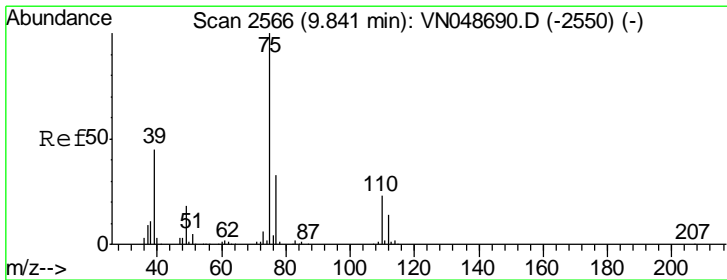
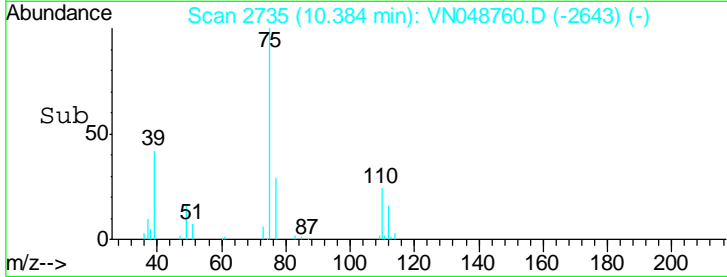
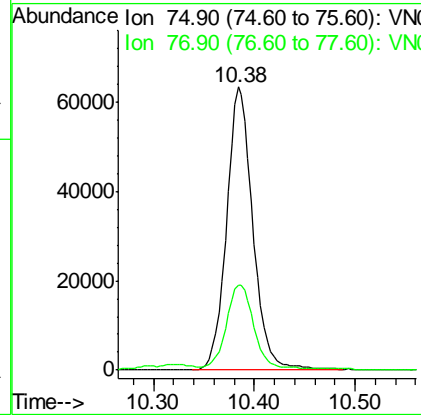
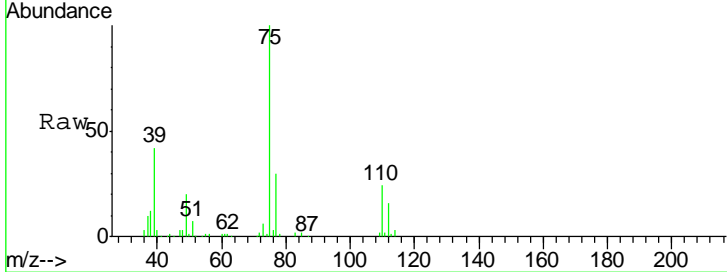


#53
 t-1,3-Dichloropropene
 Concen: 18.54 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 Client Sampled : VN0530WBS02

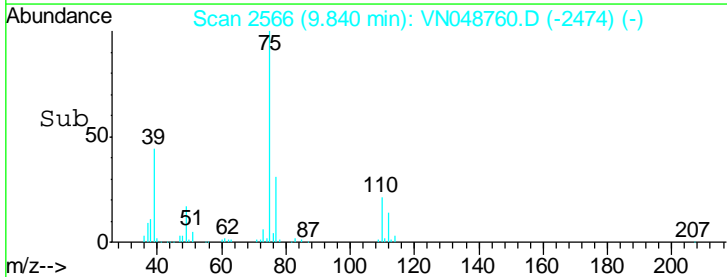
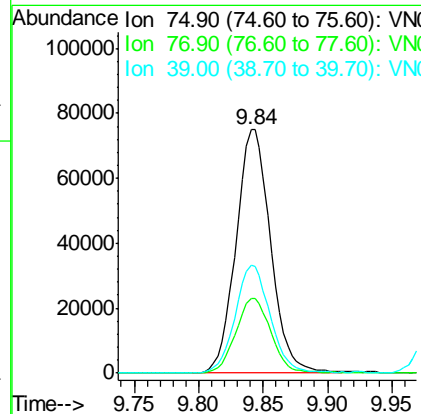
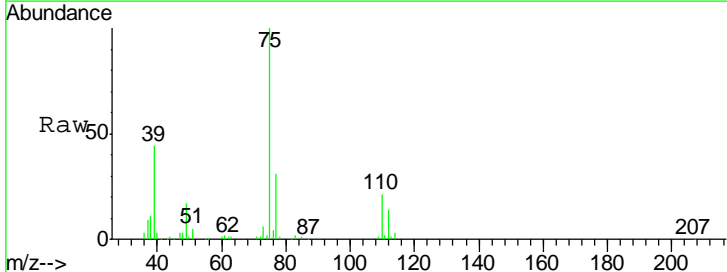
Tgt Ion	Resp	Lower	Upper
75	115032		
75	100		
77	29.4	24.9	37.3

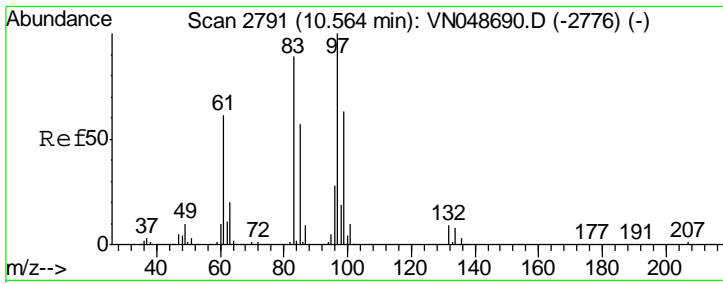
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 19.44 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

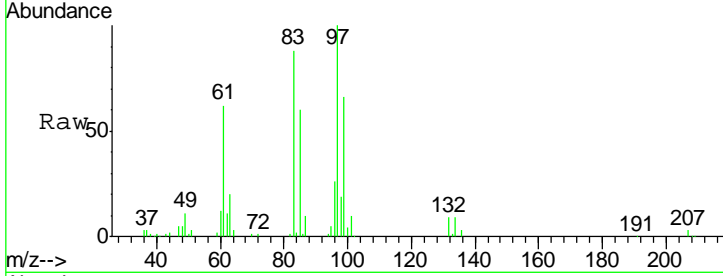
Tgt Ion	Resp	Lower	Upper
75	140257		
75	100		
77	30.8	25.1	37.7
39	44.1	36.7	55.1





#55
 1,1,2-Trichloroethane
 Concen: 21.15 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

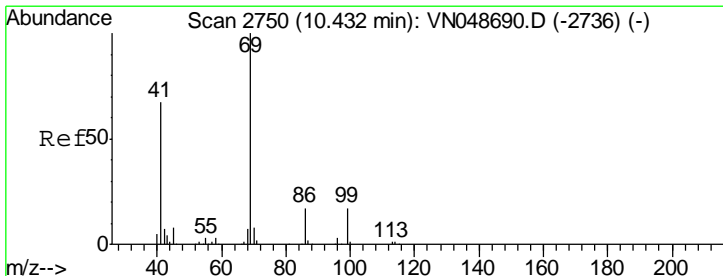
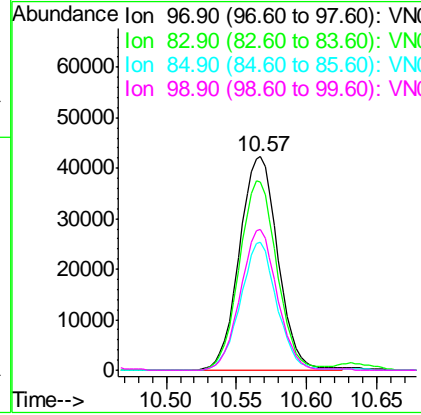
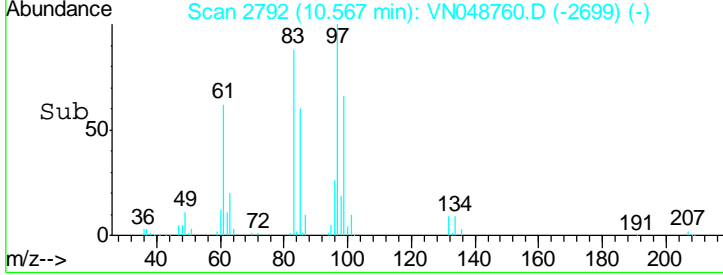
Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS02



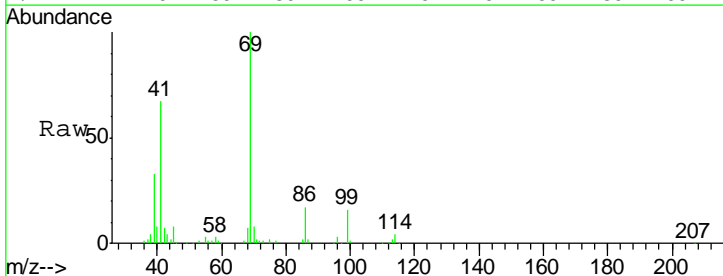
Tgt Ion: 97 Resp: 80986

Ion	Ratio	Lower	Upper
97	100		
83	88.3	68.7	103.1
85	60.2	43.4	65.2
99	65.9	49.6	74.4

Manual Integrations
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 MMDadoda
 5/31/2018 3:07:11 PM

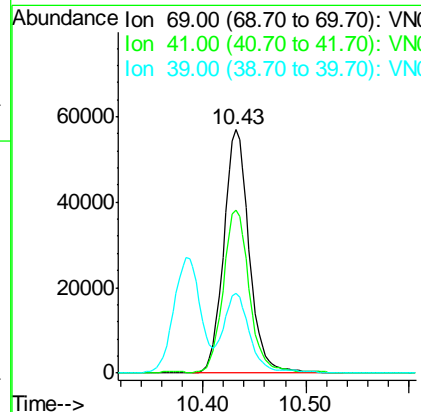
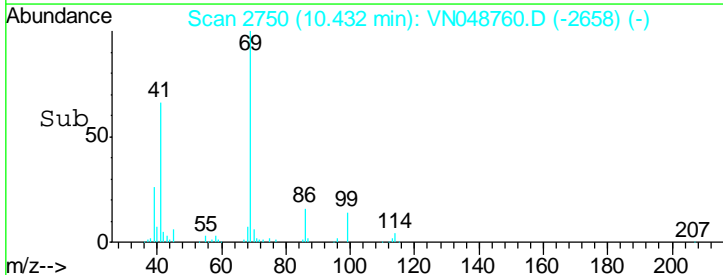


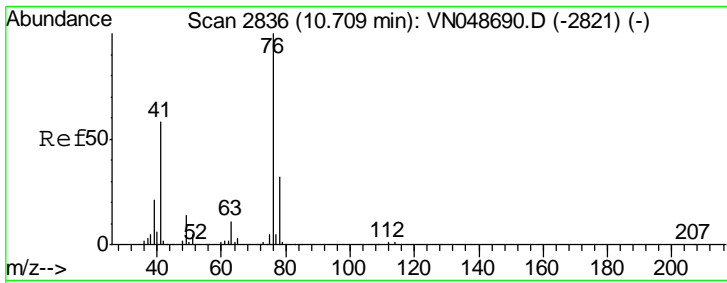
#56
 Ethyl methacrylate
 Concen: 18.99 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26



Tgt Ion: 69 Resp: 97514

Ion	Ratio	Lower	Upper
69	100		
41	69.8	52.3	78.5
39	31.6	26.4	39.6



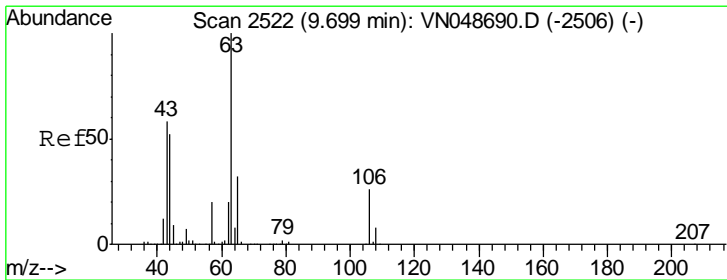
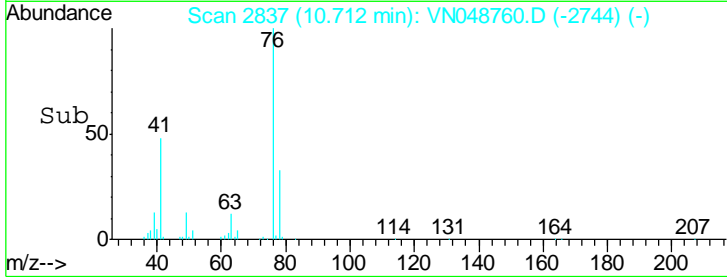
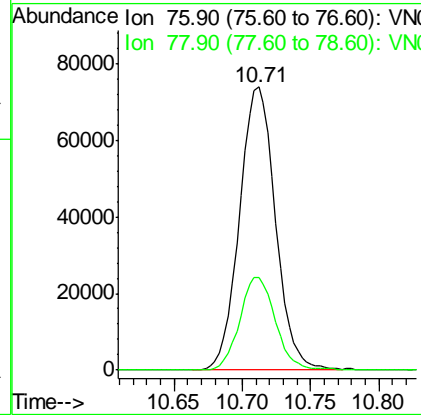
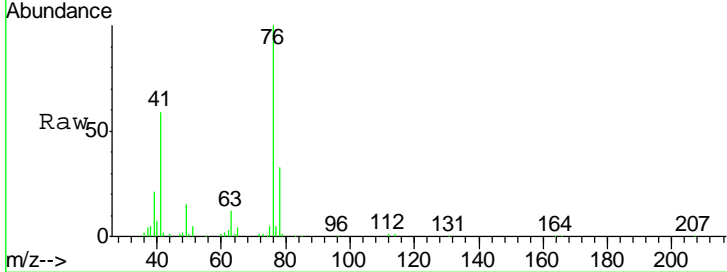


#57
 1,3-Dichloropropane
 Concen: 20.12 ug/l
 RT: 10.71 min Scan# 2837
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

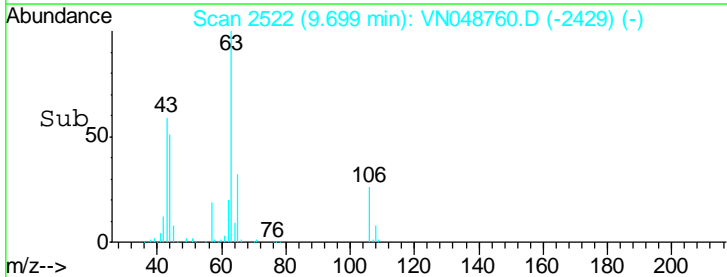
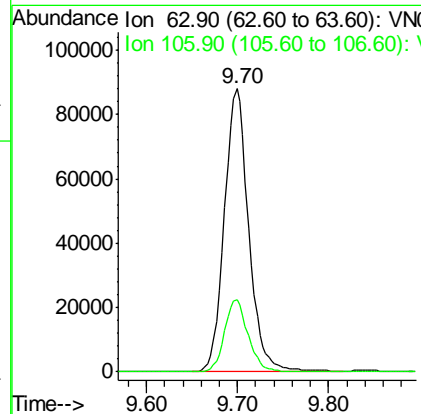
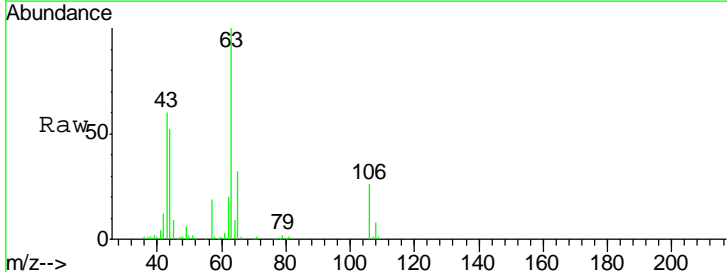
Tgt Ion	Resp	Lower	Upper
76	135306		
76	100		
78	32.6	25.7	38.5

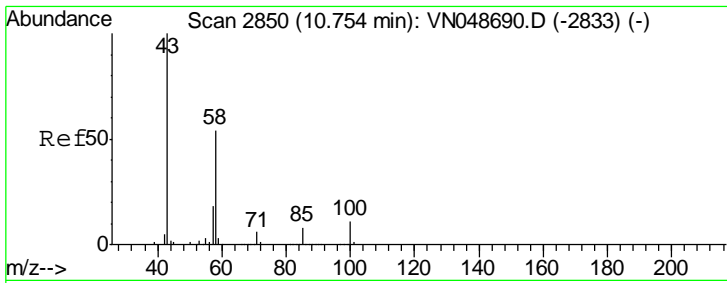
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 89.66 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
63	164151		
63	100		
106	24.8	21.3	31.9



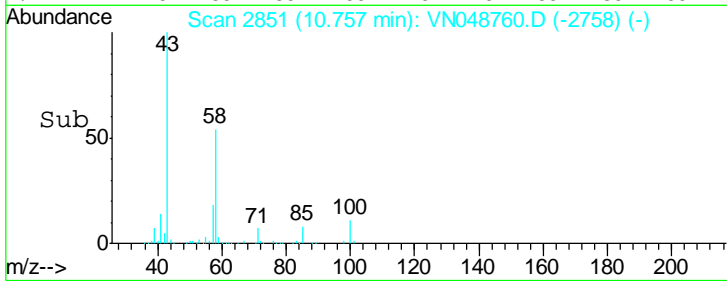
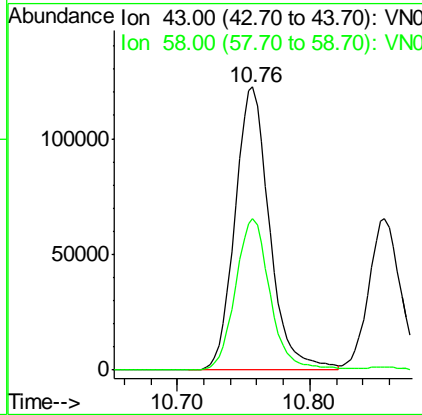
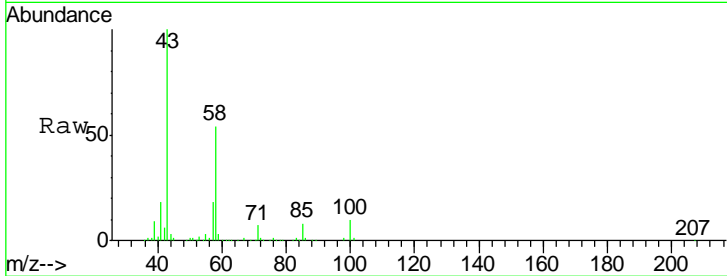


#59
 2-Hexanone
 Concen: 93.37 ug/l
 RT: 10.76 min Scan# 2851
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

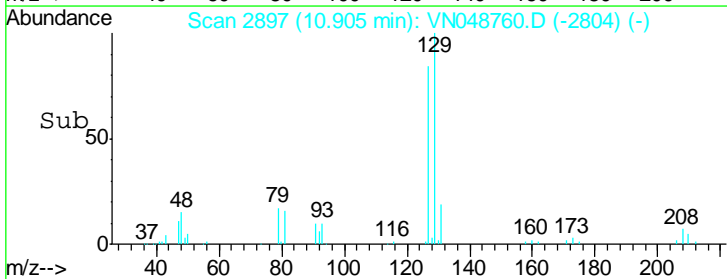
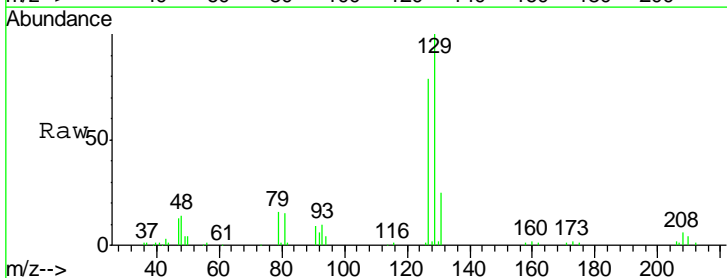
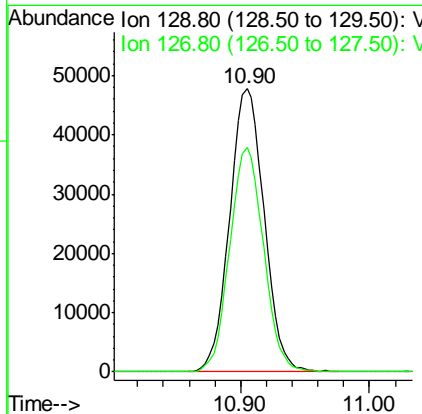
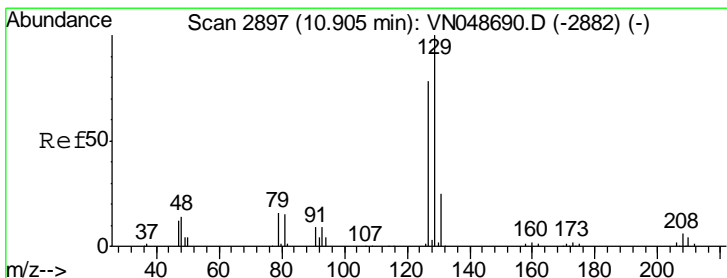
Tgt Ion	Resp	Lower	Upper
43	100		
58	53.6	27.4	82.0

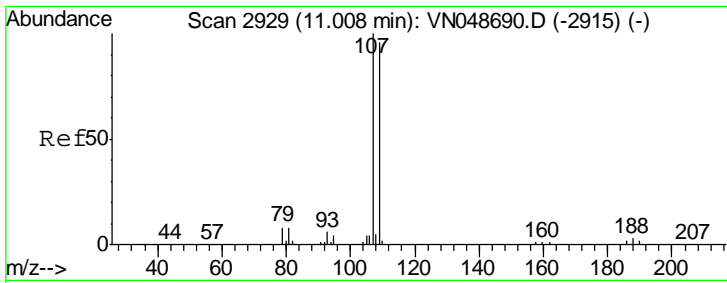
Manual Integrations
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#60
 Dibromochloromethane
 Concen: 19.80 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.5	38.8	116.4





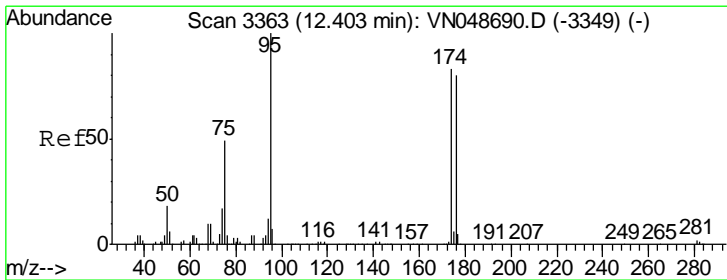
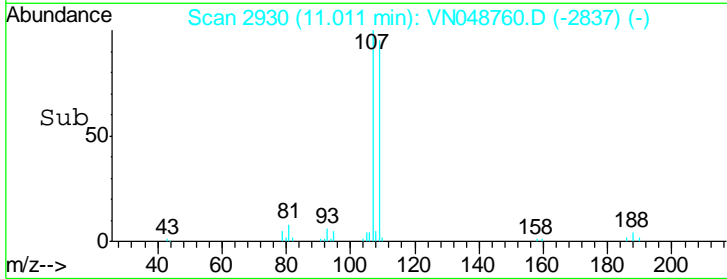
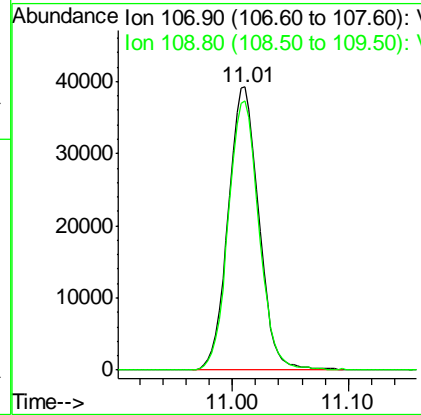
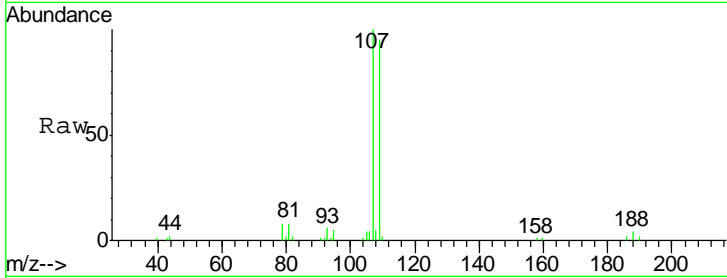
#61
 1,2-Dibromoethane
 Concen: 18.93 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

Tgt Ion	Resp	Lower	Upper
107	100		
109	95.0	74.4	111.6

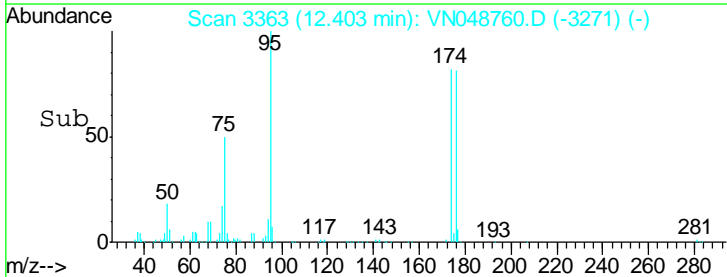
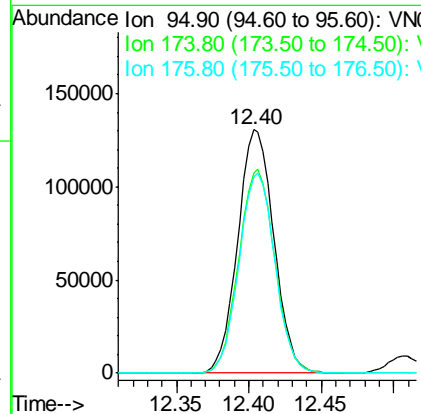
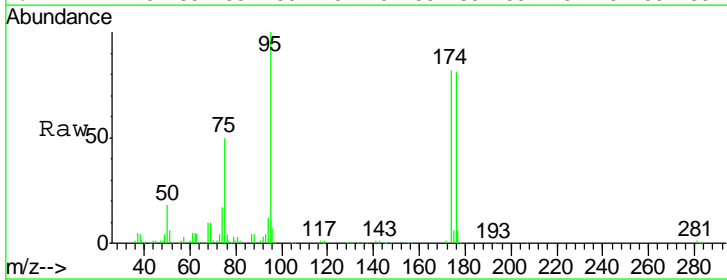
Manual Integrations
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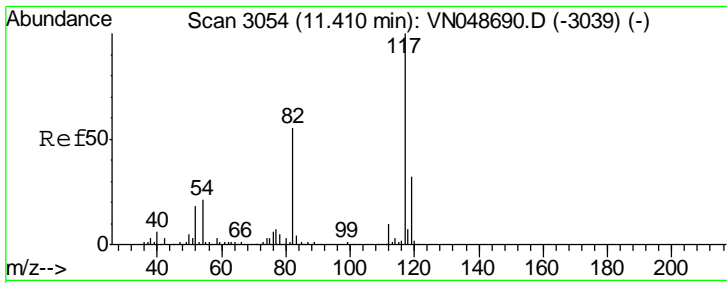
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#62
 4-Bromofluorobenzene
 Concen: 46.72 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

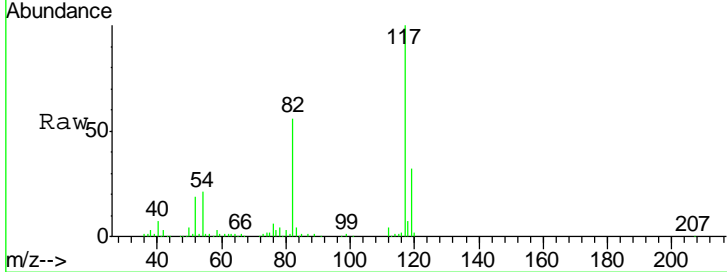
Tgt Ion	Resp	Lower	Upper
95	100		
174	83.8	0.0	173.8
176	81.5	0.0	170.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

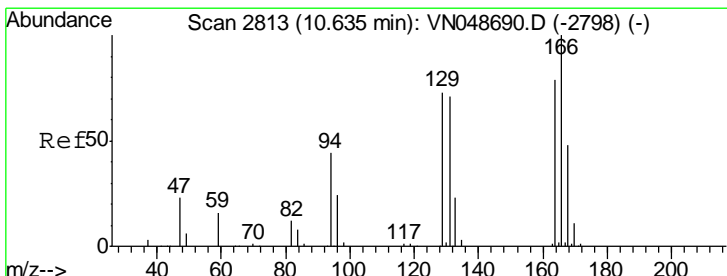
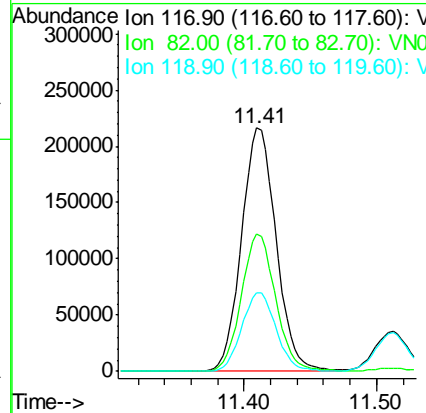
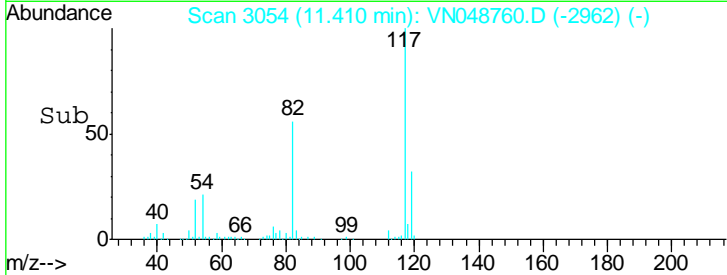
Instrument : MSVOA_N
 ClientSampled : VN0530WBS02



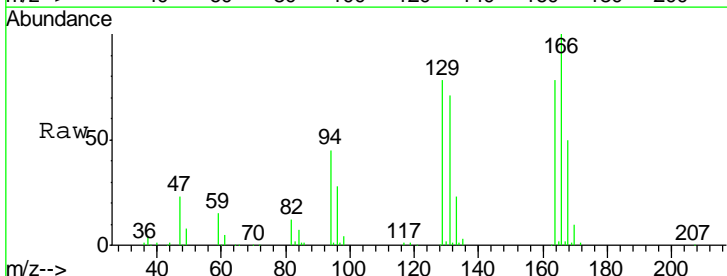
Tgt Ion: 117 Resp: 393371

Ion	Ratio	Lower	Upper
117	100		
82	56.4	42.8	64.2
119	32.3	26.0	39.0

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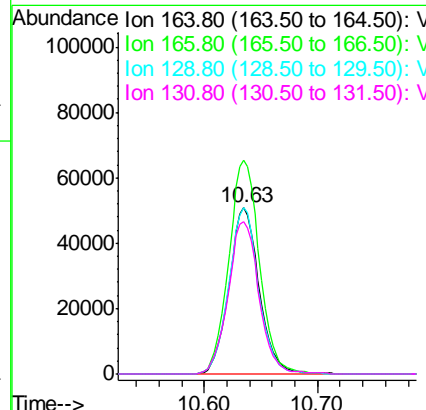
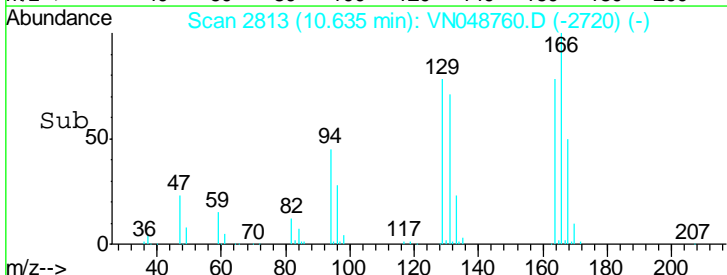


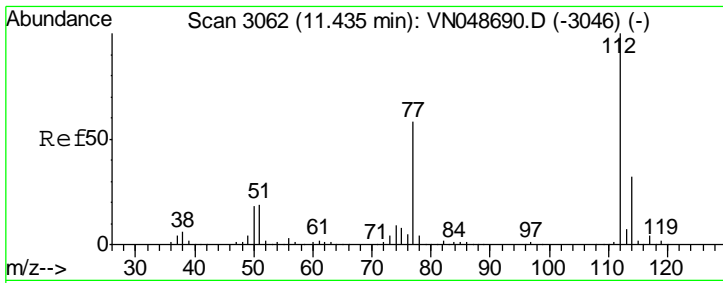
#64
 Tetrachloroethene
 Concen: 23.64 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26



Tgt Ion: 164 Resp: 94155

Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.7	154.1
129	100.7	74.3	111.5
131	91.6	71.4	107.0



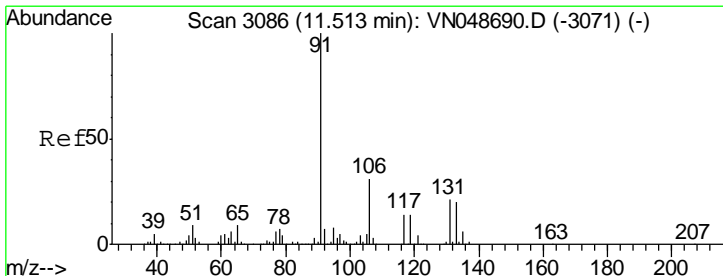
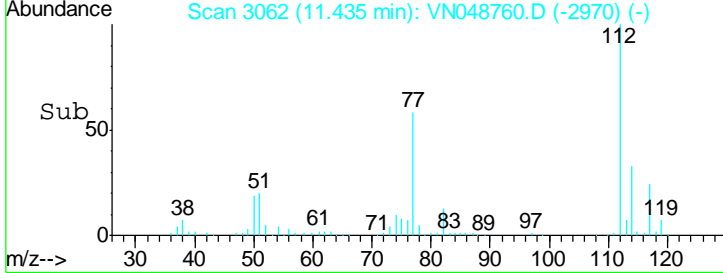
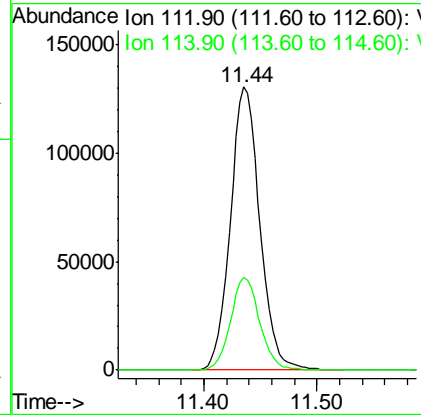
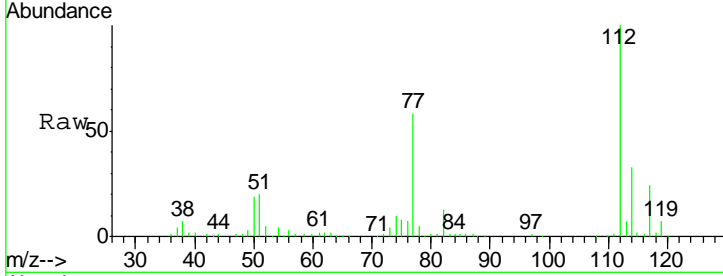


#65
 Chlorobenzene
 Concen: 20.45 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 Client Sampled : VN0530WBS02

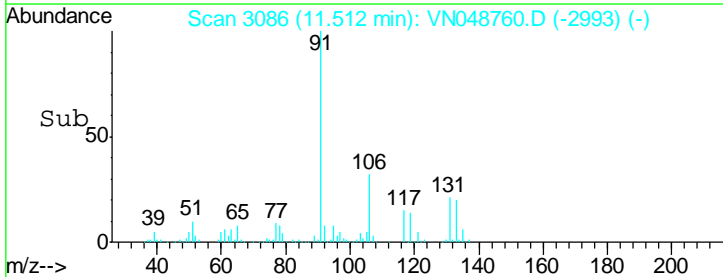
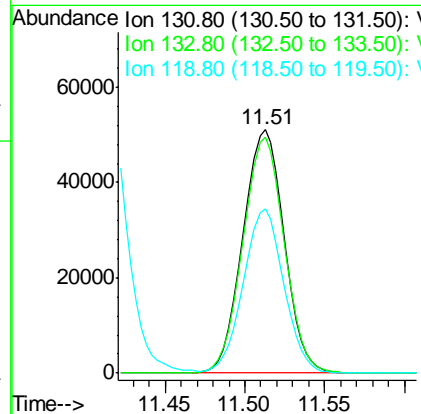
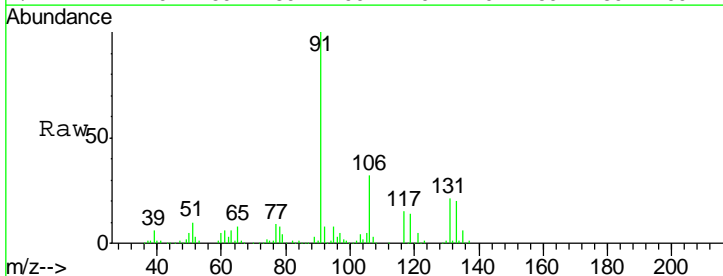
Tgt Ion	Resp	Lower	Upper
112	235605		
114	32.6	25.6	38.4

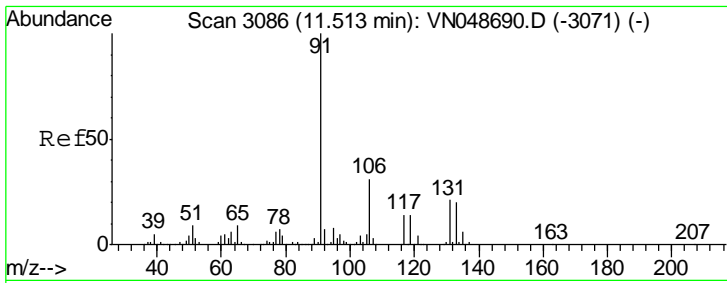
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 20.73 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
131	89877		
133	97.1	47.8	143.4
119	66.2	33.1	99.3





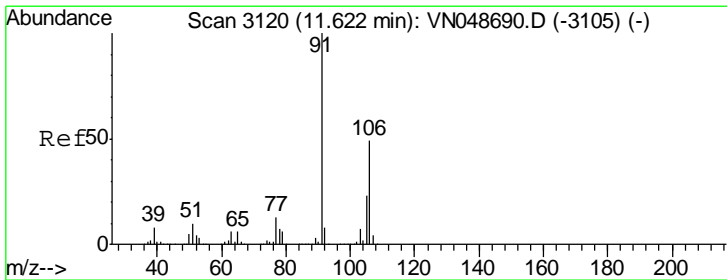
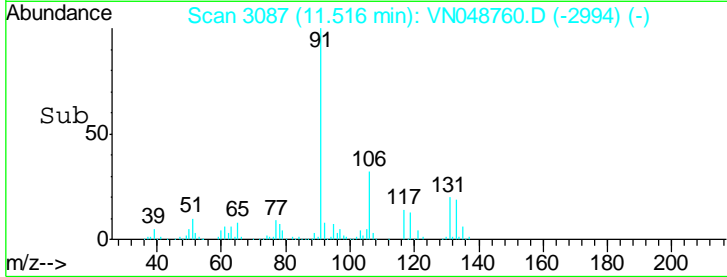
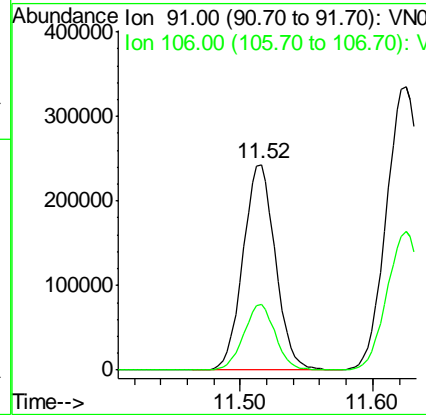
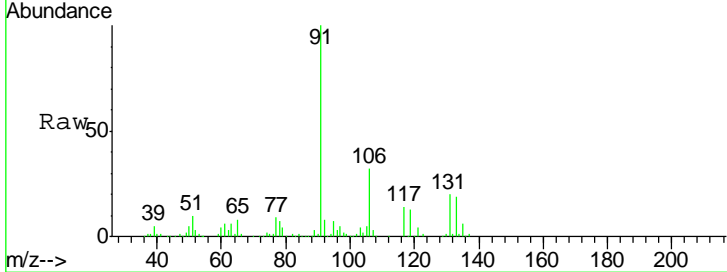
#67
 Ethyl Benzene
 Concen: 20.69 ug/l
 RT: 11.52 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS02

Tgt Ion: 91 Resp: 412616
 Ion Ratio Lower Upper
 91 100
 106 31.7 24.9 37.3

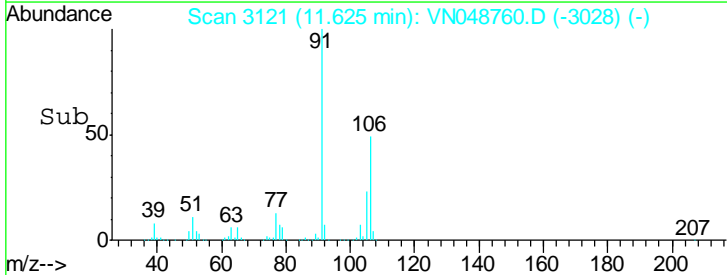
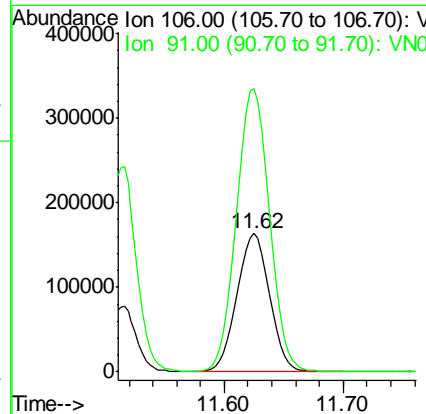
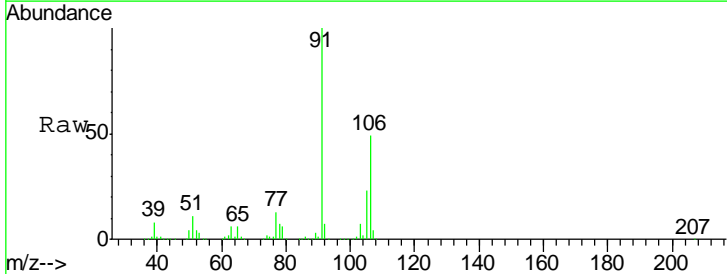
Manual Integrations
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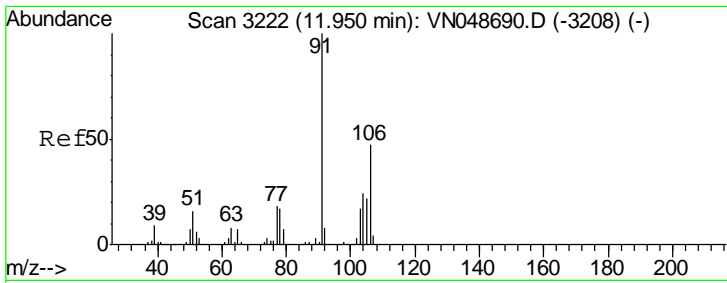
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#68
 m/p-Xylenes
 Concen: 41.57 ug/l
 RT: 11.62 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion: 106 Resp: 312588
 Ion Ratio Lower Upper
 106 100
 91 207.0 163.4 245.0



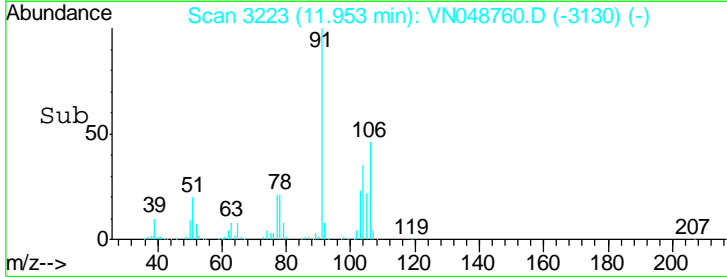
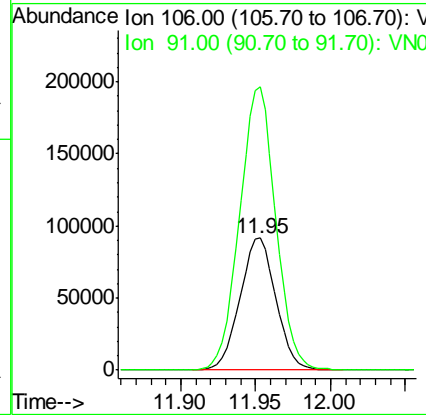
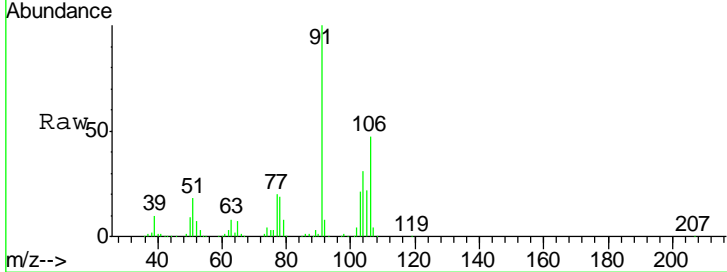


#69
 o-Xylene
 Concen: 21.10 ug/l
 RT: 11.95 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS02

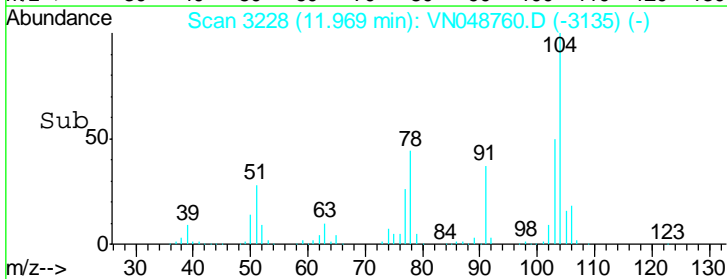
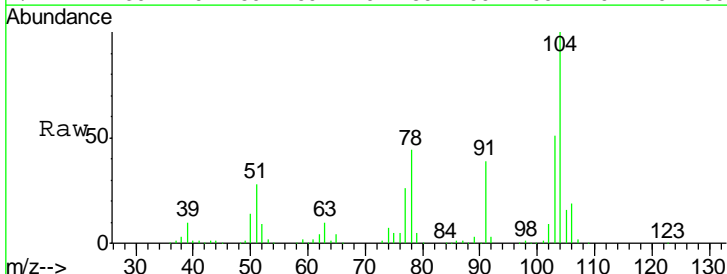
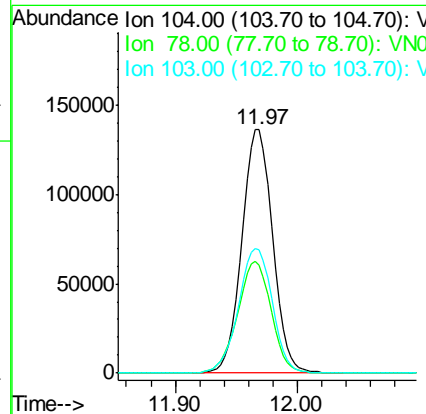
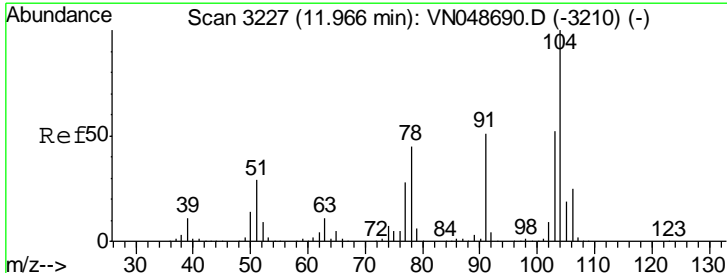
Tgt Ion	Resp	Lower	Upper
106	153030		
106	100		
91	215.3	107.9	323.7

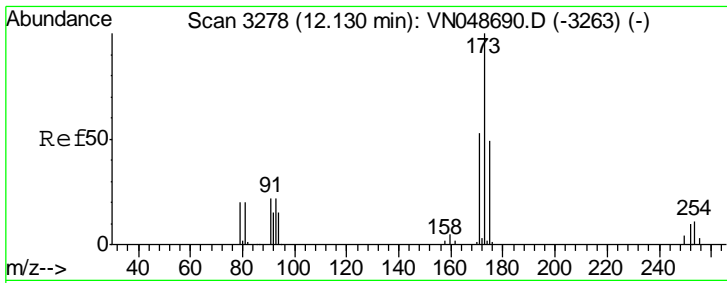
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#70
 Styrene
 Concen: 20.85 ug/l
 RT: 11.97 min Scan# 3228
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
104	237778		
104	100		
78	50.2	39.8	59.8
103	56.3	44.6	66.8





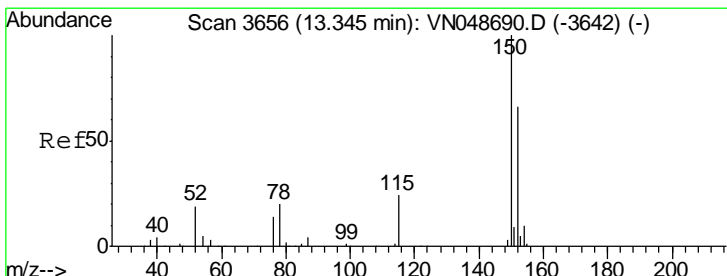
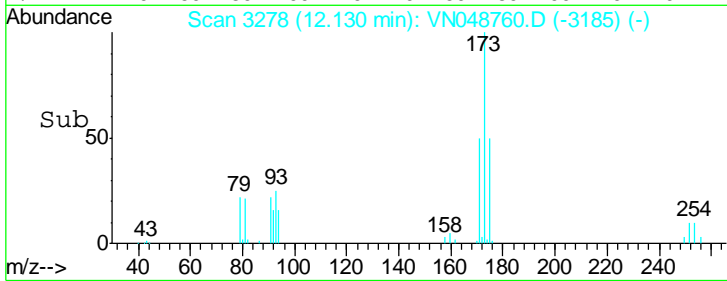
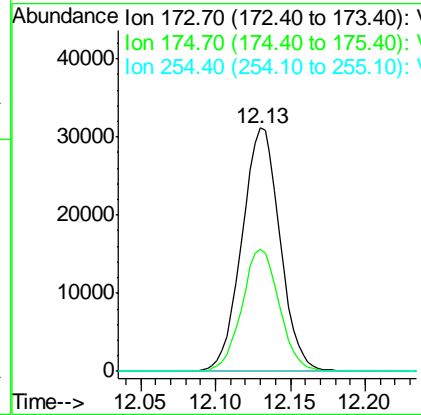
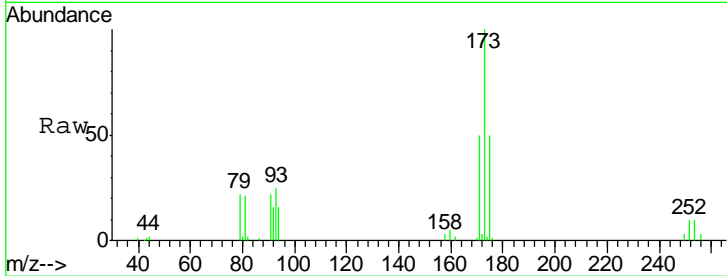
#71
 Bromoform
 Concen: 19.70 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

Tgt Ion	Resp	Lower	Upper
173	100		
175	49.0	23.9	71.8
254	0.0	0.0	0.0

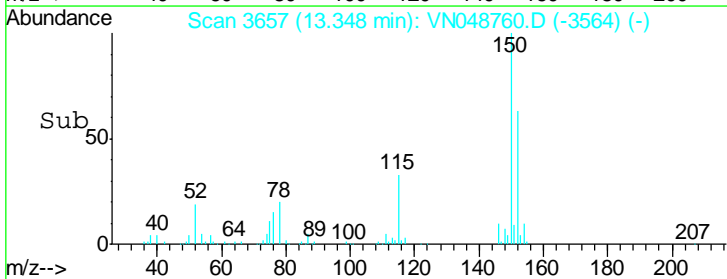
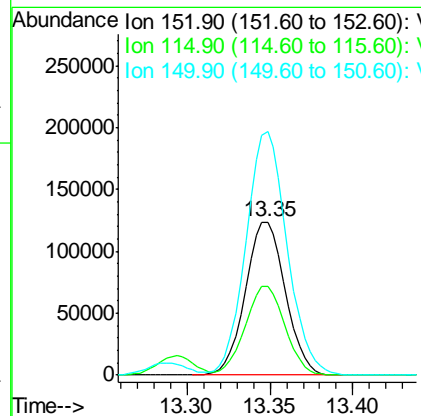
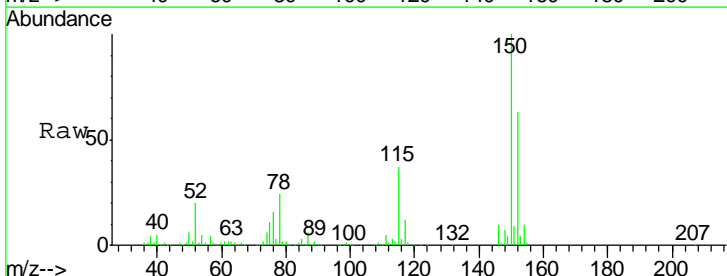
Manual Integrations
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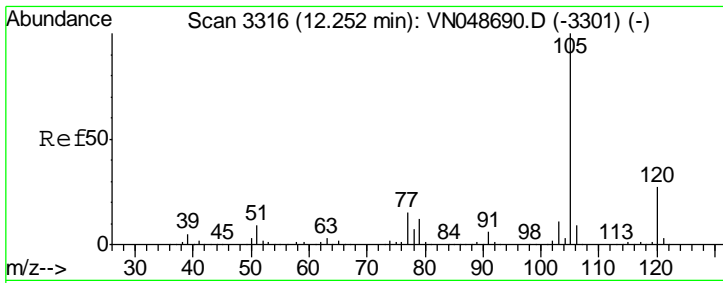
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
152	100		
115	57.8	28.1	84.4
150	164.1	0.0	353.0



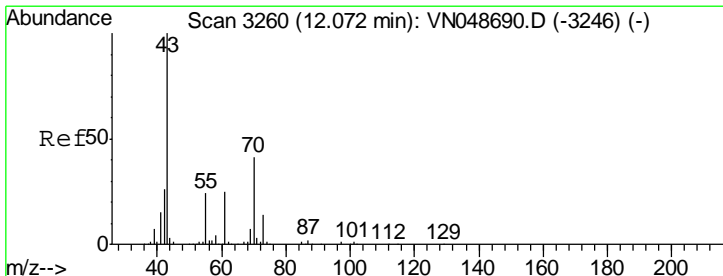
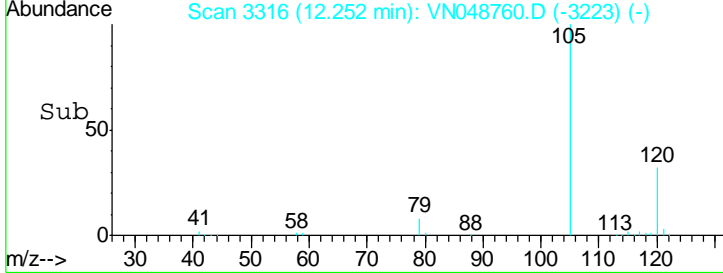
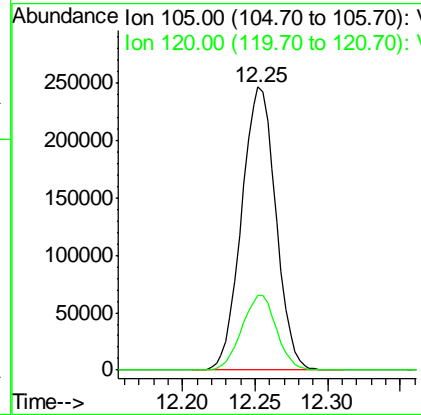
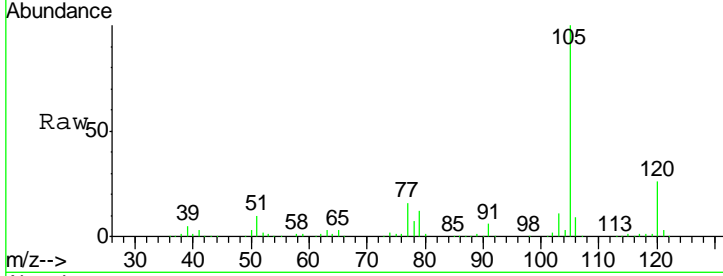


#73
 Isopropylbenzene
 Concen: 21.86 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampleId : VN0530WBS02

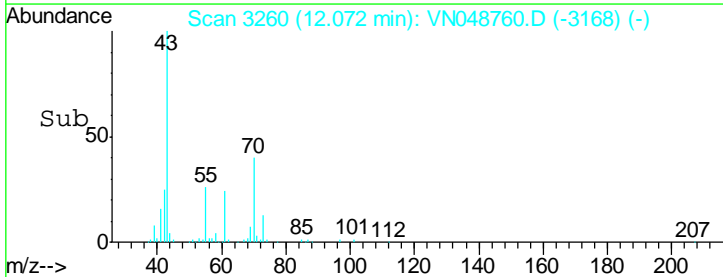
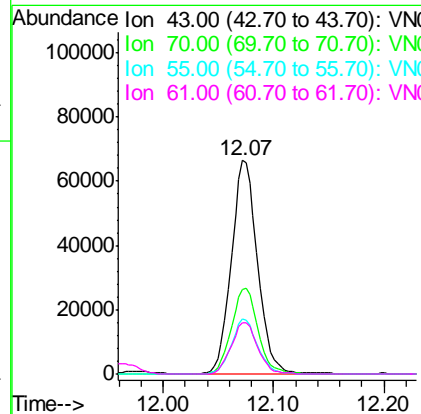
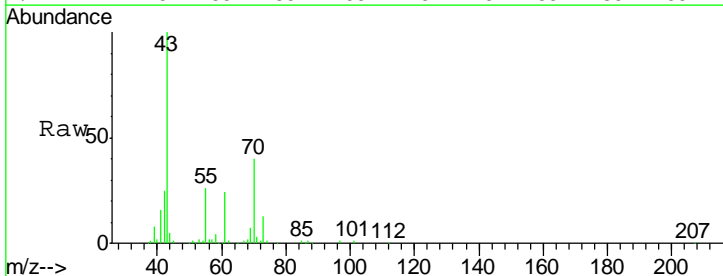
Tgt Ion	Resp	Lower	Upper
105	404512		
120	26.7	13.3	39.9

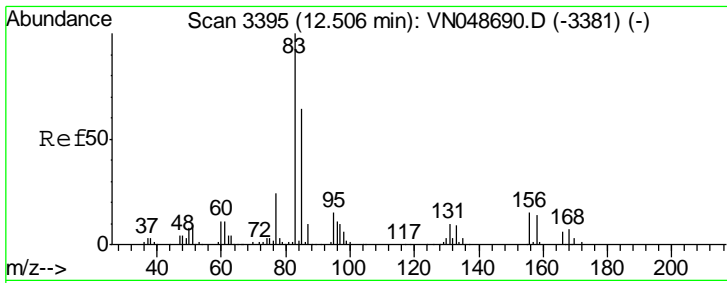
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#74
 N-ethyl acetate
 Concen: 20.09 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
43	109486		
70	40.6	33.7	50.5
55	25.5	19.3	28.9
61	24.2	19.4	29.2



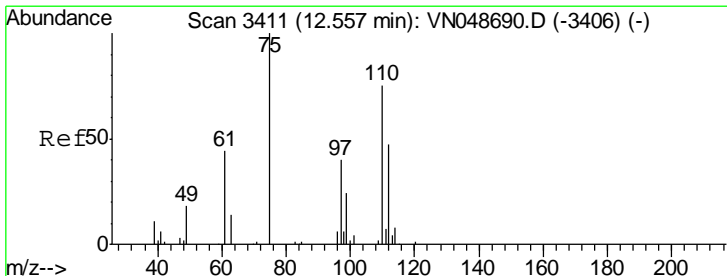
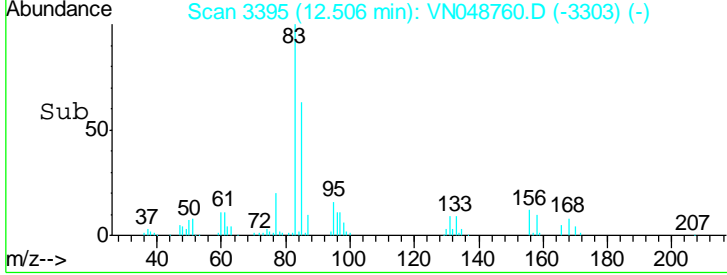
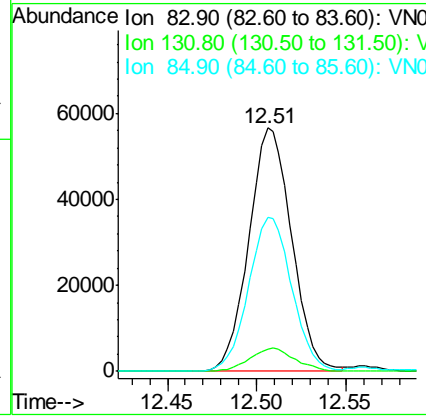
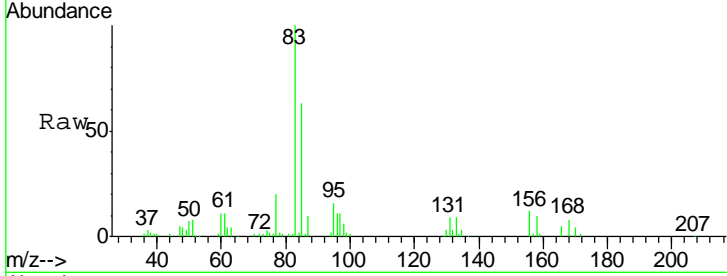


#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.91 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

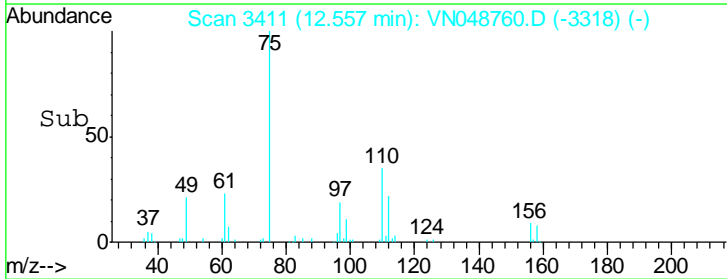
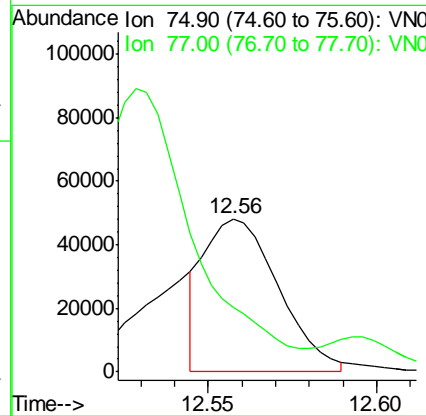
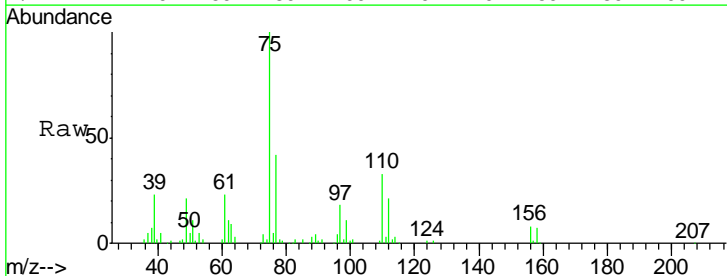
Tgt Ion	Resp	Lower	Upper
83	100		
131	10.0	5.3	15.8
85	64.0	32.4	97.0

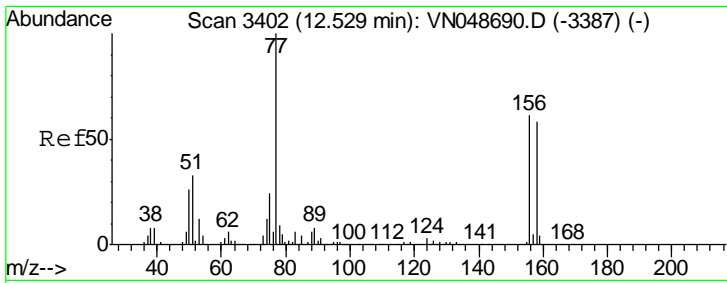
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#76
 1,2,3-Trichloropropane
 Concen: 20.70 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





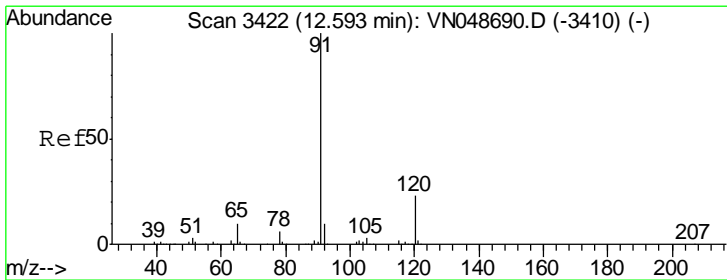
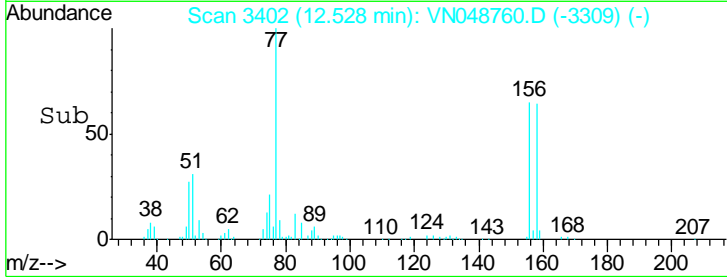
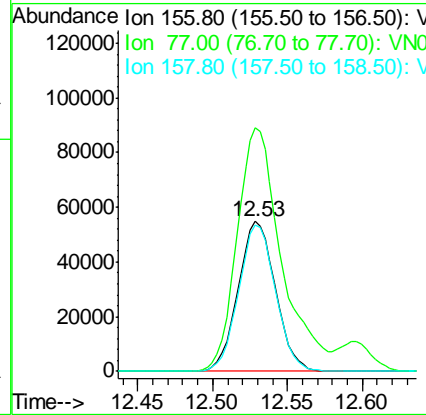
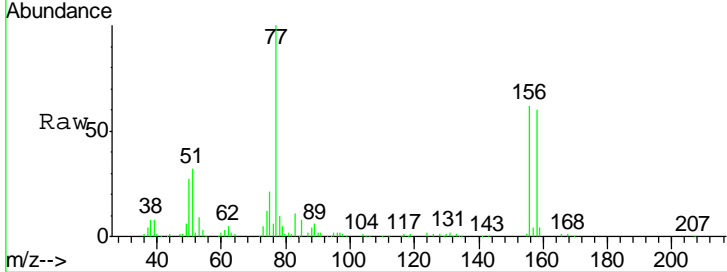
#77
 Bromobenzene
 Concen: 21.17 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

Tgt Ion	Resp	Lower	Upper
156	95259		
77	193.5	93.3	280.1
158	96.7	48.9	146.6

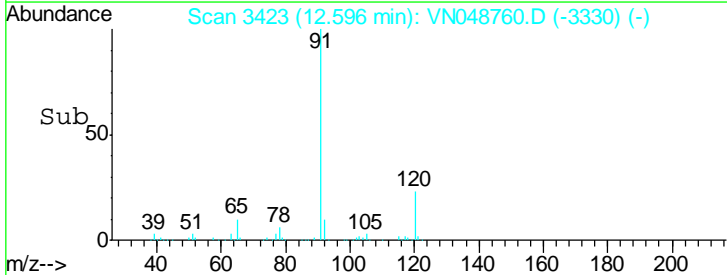
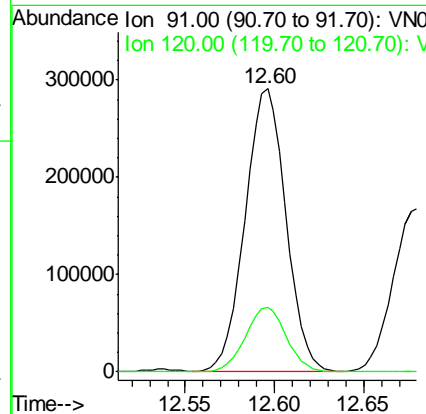
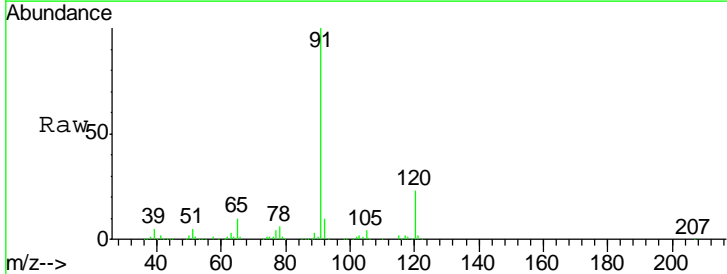
Manual Integrations
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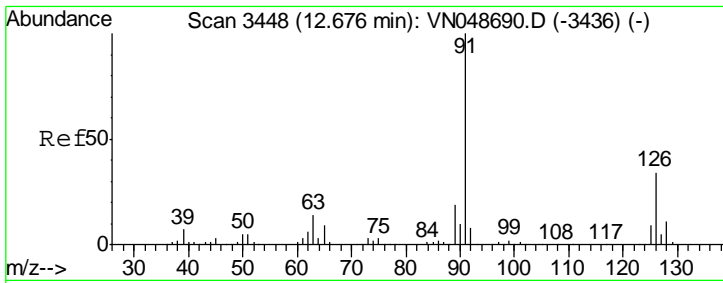
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#78
 n-propylbenzene
 Concen: 21.69 ug/l
 RT: 12.60 min Scan# 3423
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
91	461084		
120	23.1	11.7	35.1





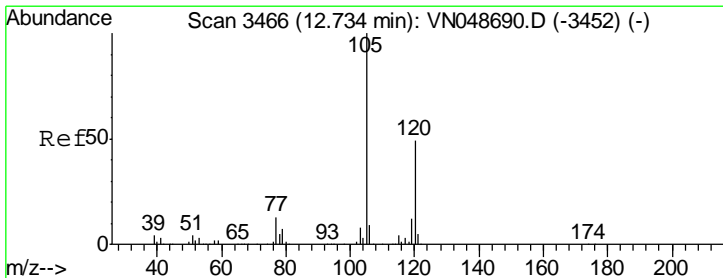
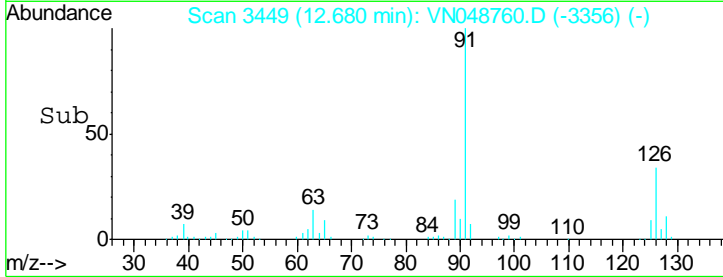
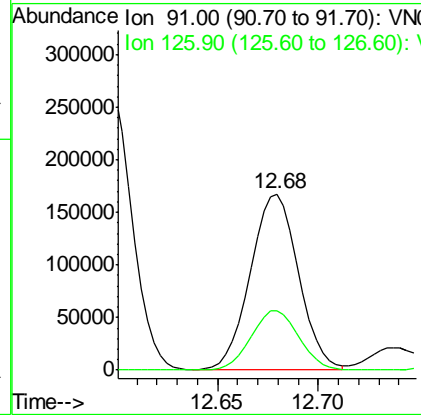
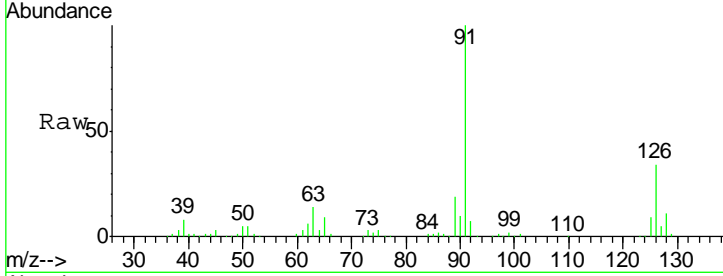
#79
 2-Chlorotoluene
 Concen: 21.86 ug/l
 RT: 12.68 min Scan# 3449
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 Client Sampled : VN0530WBS02

Tgt Ion	Resp	Lower	Upper
91	278605	100	
126	34.0	17.5	52.5

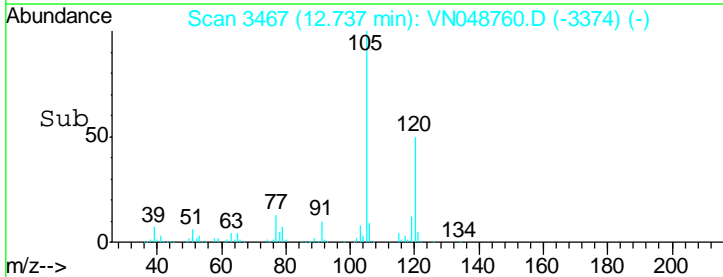
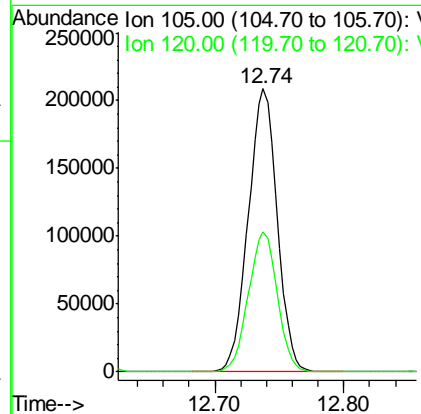
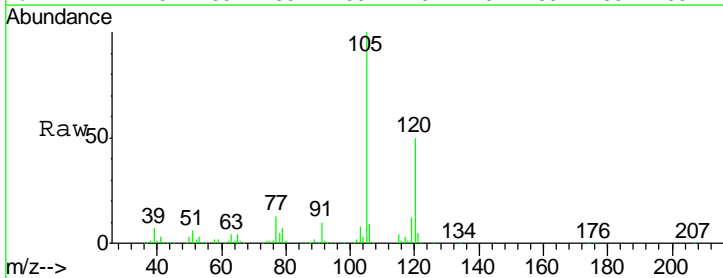
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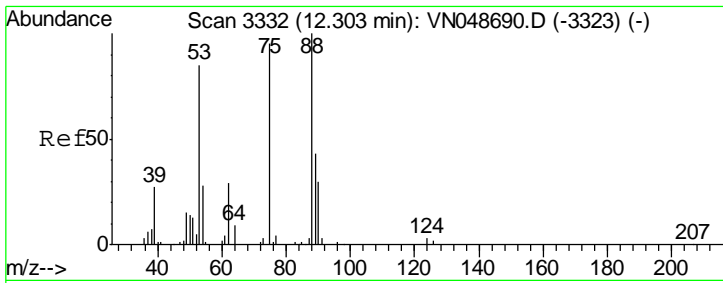
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.85 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
105	325844	100	
120	49.3	24.3	72.9





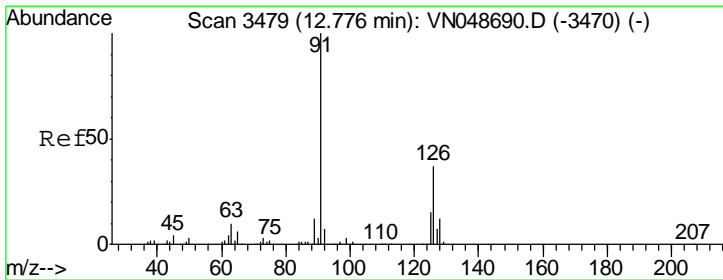
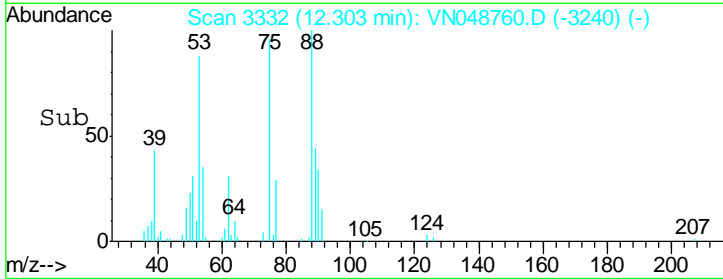
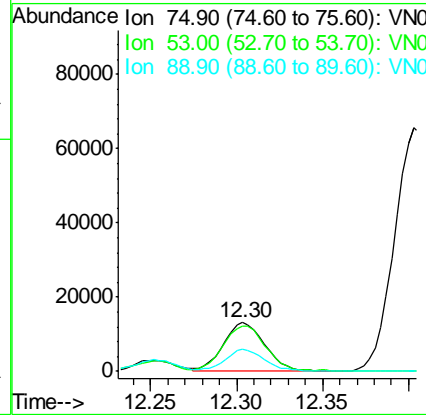
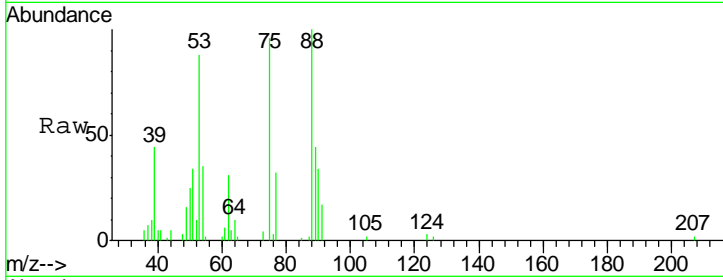
#81
 trans-1,4-Dichloro-2-butene
 Concen: 17.09 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

Tgt Ion	Resp	Lower	Upper
75	22124		
75	100		
53	96.3	72.0	108.0
89	42.9	35.2	52.8

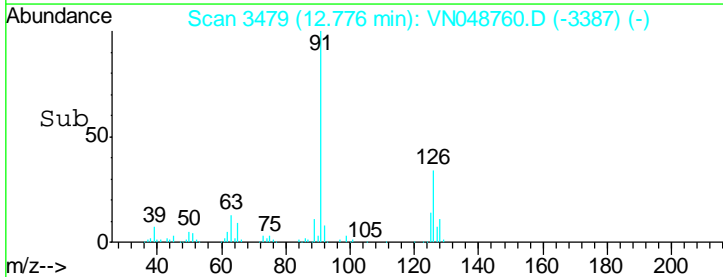
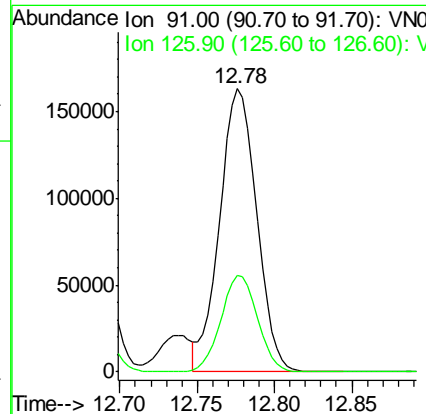
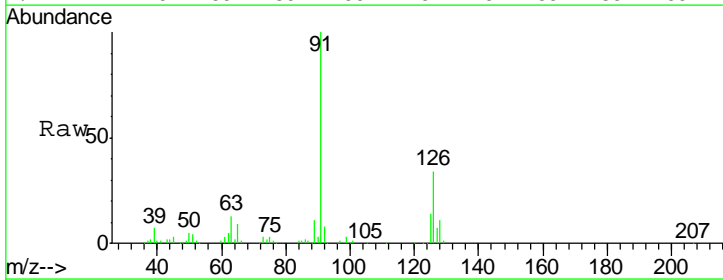
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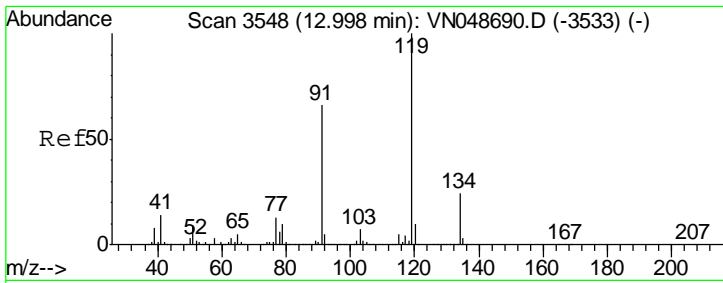
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#82
 4-Chlorotoluene
 Concen: 21.48 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

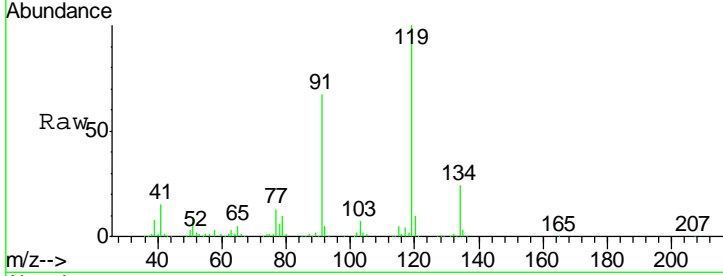
Tgt Ion	Resp	Lower	Upper
91	271949		
91	100		
126	33.6	17.2	51.6





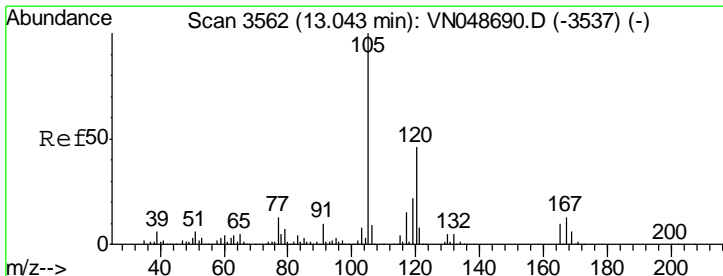
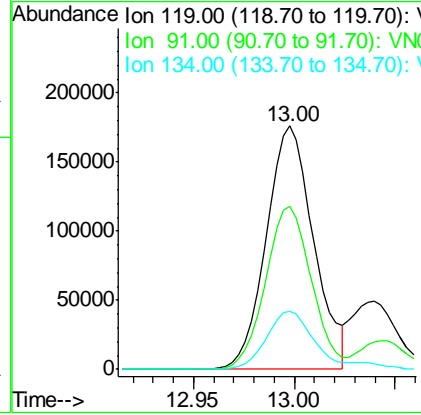
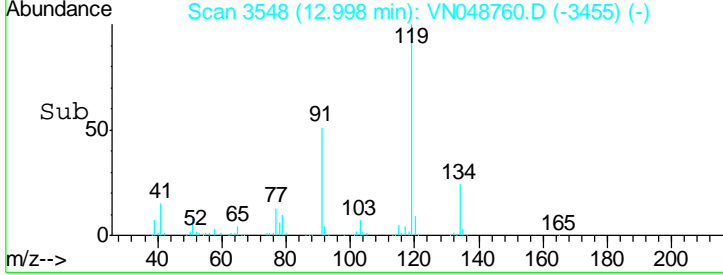
#83
 tert-Butylbenzene
 Concen: 21.72 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

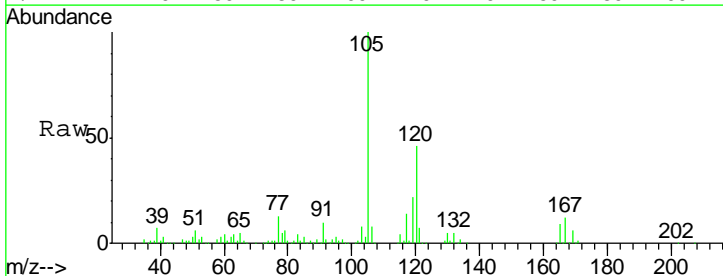


Tgt Ion	Resp	Lower	Upper
119	288109		
91	65.0	32.2	96.6
134	25.6	13.3	39.9

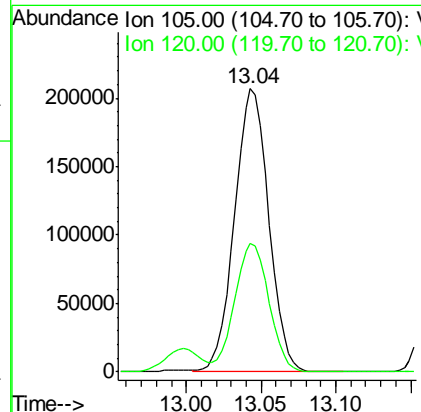
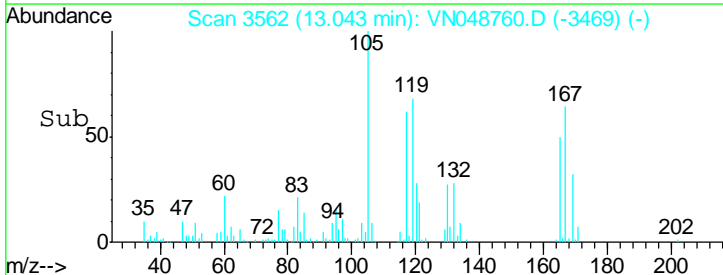
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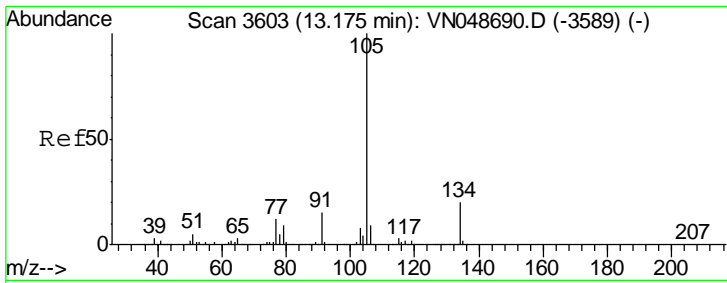


#84
 1,2,4-Trimethylbenzene
 Concen: 21.97 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26



Tgt Ion	Resp	Lower	Upper
105	329163		
120	45.3	22.7	68.0



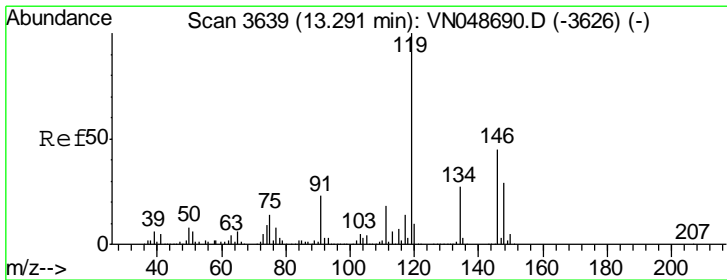
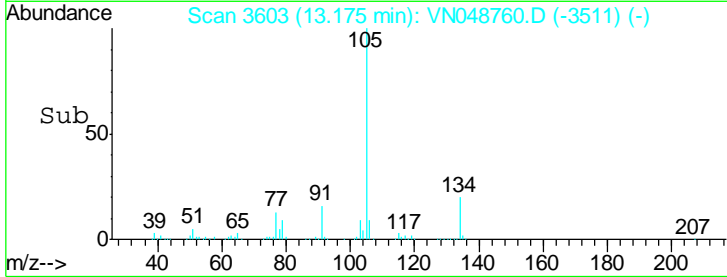
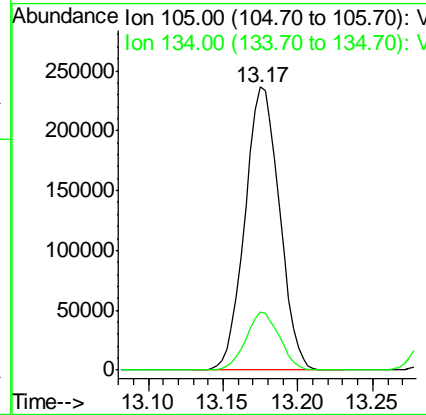
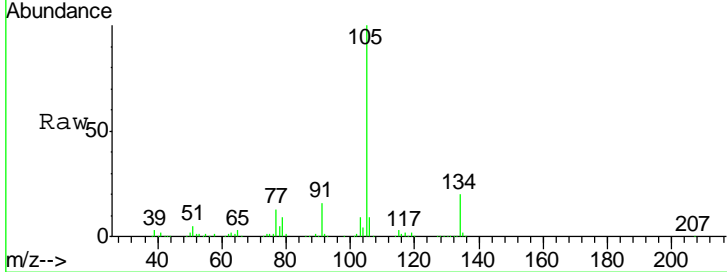


#85
 sec-Butylbenzene
 Concen: 21.65 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS02

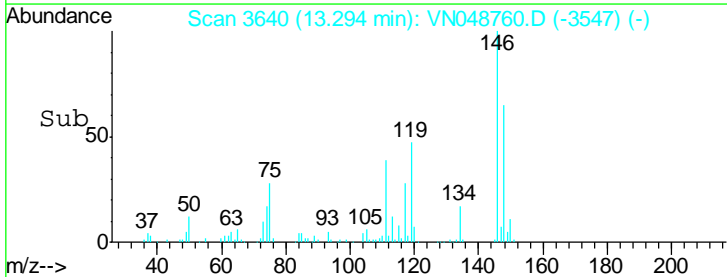
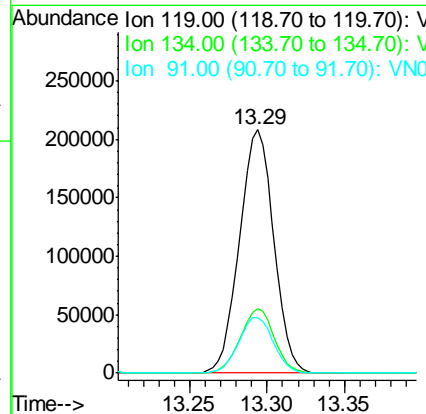
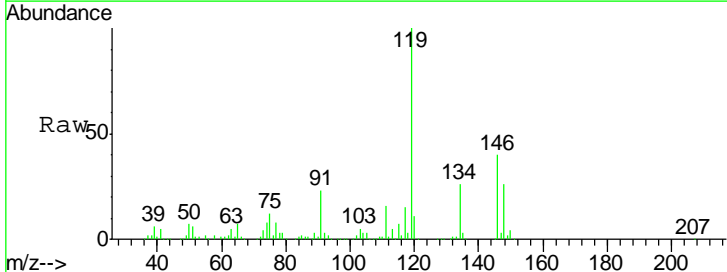
Tgt Ion	Resp	Lower	Upper
105	380801		
105	100		
134	19.9	10.1	30.3

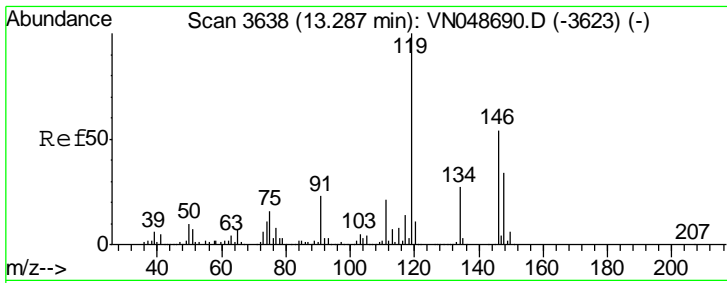
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#86
 p-Isopropyltoluene
 Concen: 21.32 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

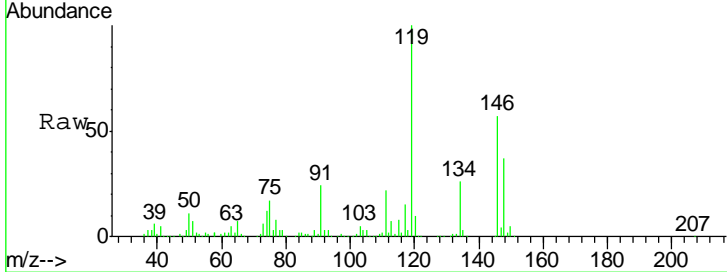
Tgt Ion	Resp	Lower	Upper
119	319862		
119	100		
134	26.3	13.5	40.4
91	23.2	11.4	34.2





#87
 1,3-Dichlorobenzene
 Concen: 20.81 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

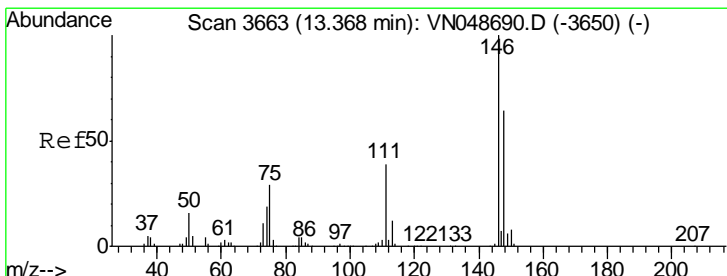
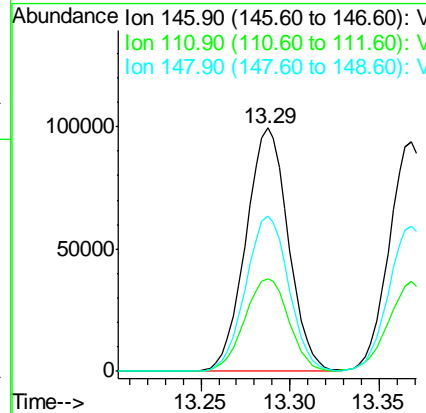
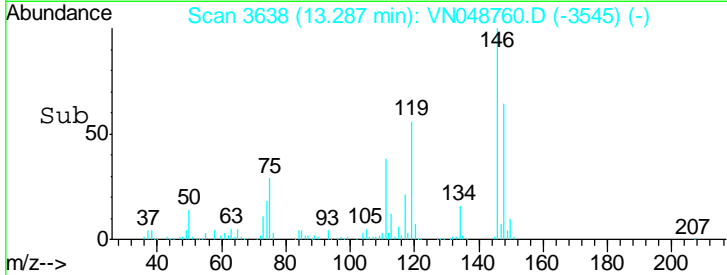
Instrument : MSVOA_N
 Client Sampled : VN0530WBS02



Tgt Ion:146 Resp: 165060

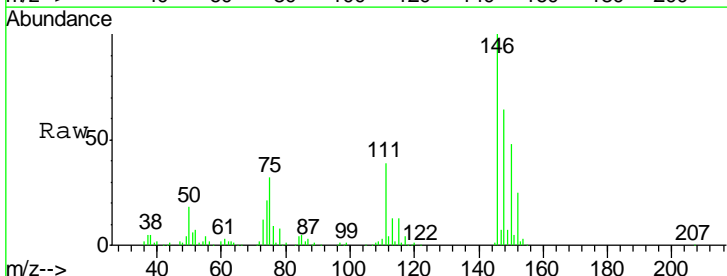
Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.9
148	64.7	32.1	96.5

Manual Integrations
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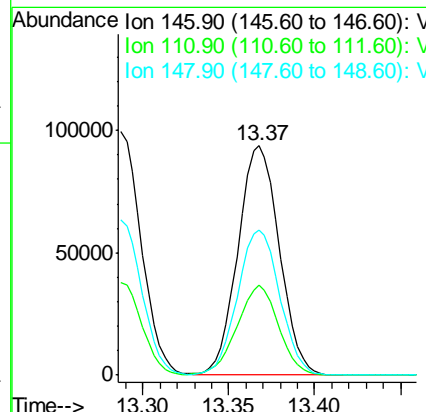
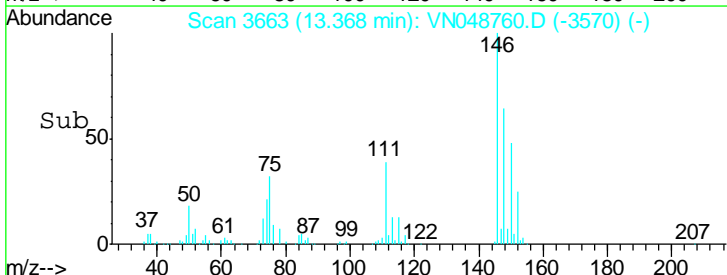
#88
 1,4-Dichlorobenzene
 Concen: 20.35 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

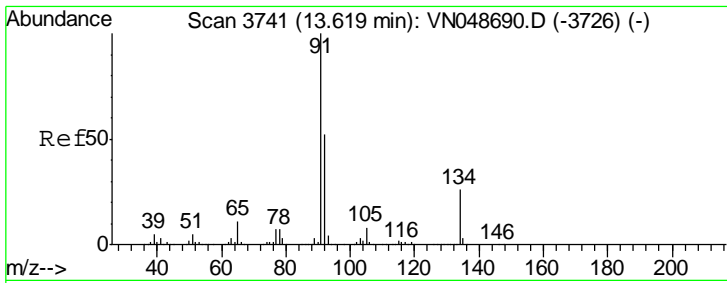
Instrument : MSVOA_N
 Client Sampled : VN0530WBS02



Tgt Ion:146 Resp: 156637

Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.9	56.5
148	64.6	32.2	96.6





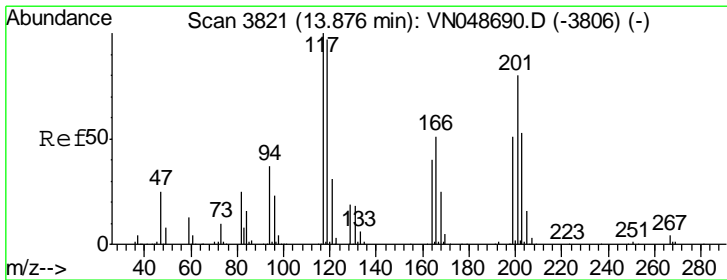
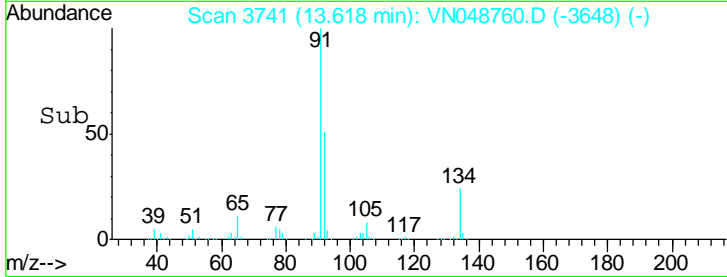
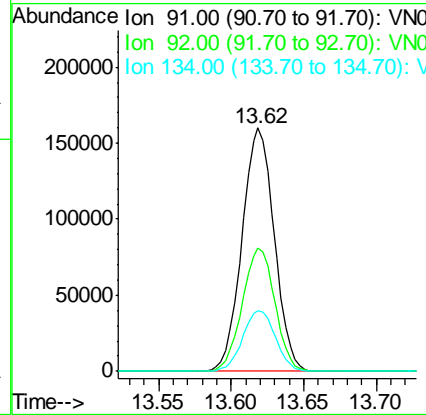
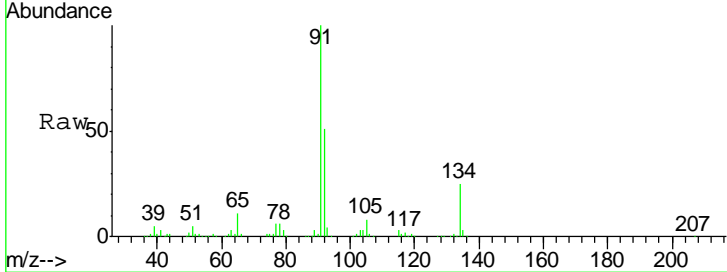
#89
 n-Butylbenzene
 Concen: 19.55 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS02

Tgt Ion	Resp	Lower	Upper
91	100		
92	51.2	26.3	78.9
134	25.4	13.5	40.4

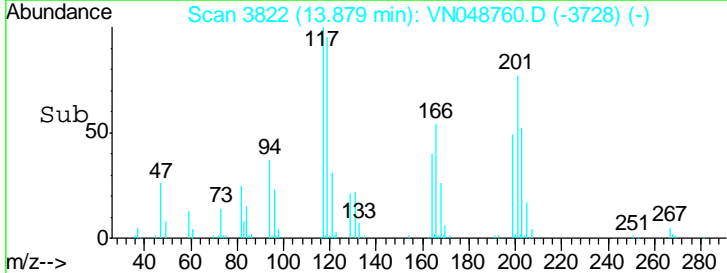
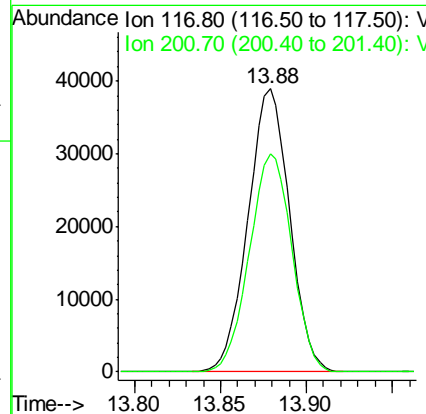
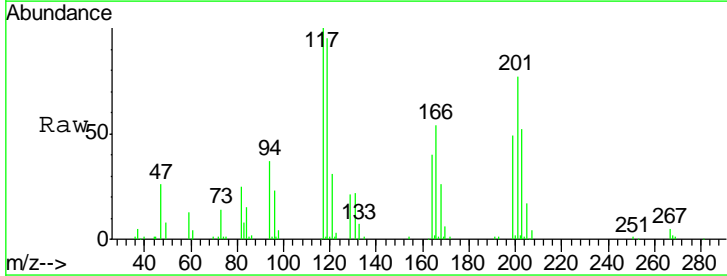
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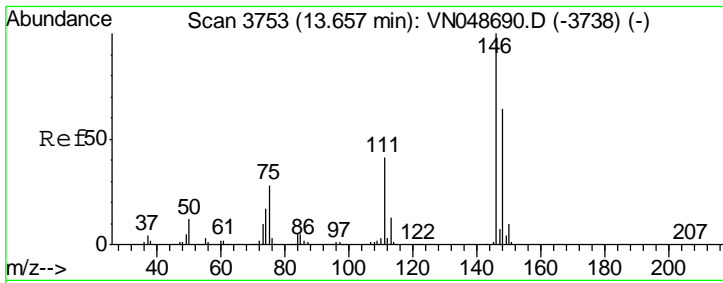
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#90
 Hexachloroethane
 Concen: 20.30 ug/l
 RT: 13.88 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
117	100		
201	78.8	44.6	134.0



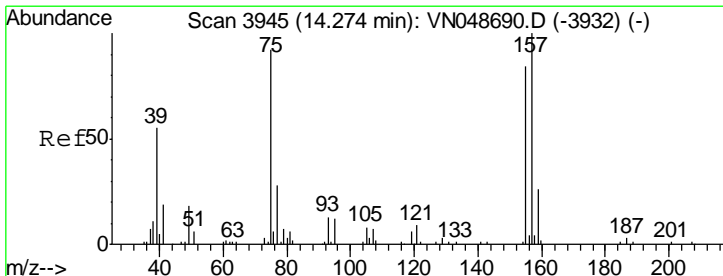
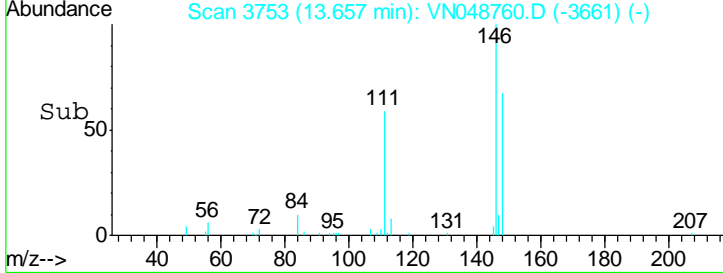
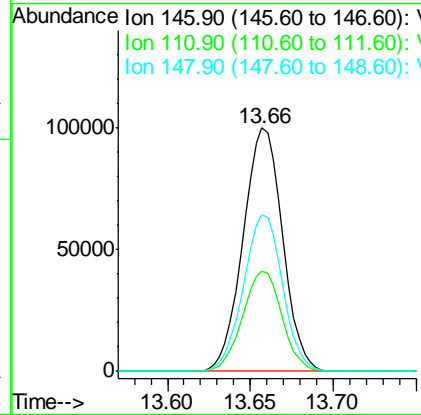
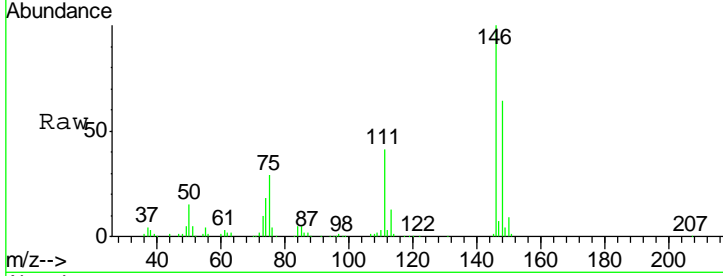


#91
 1,2-Dichlorobenzene
 Concen: 21.29 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 ClientSampled : VN0530WBS02

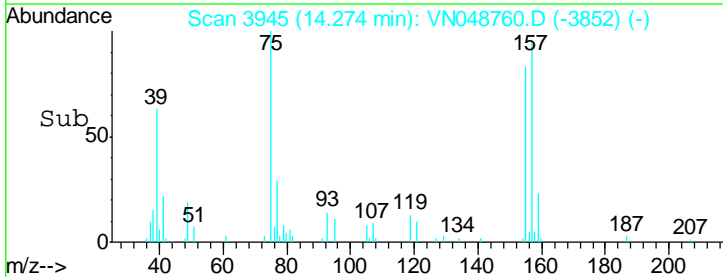
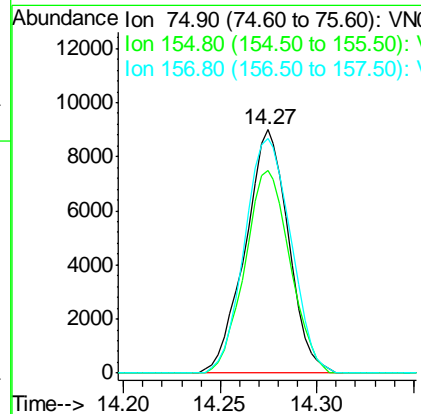
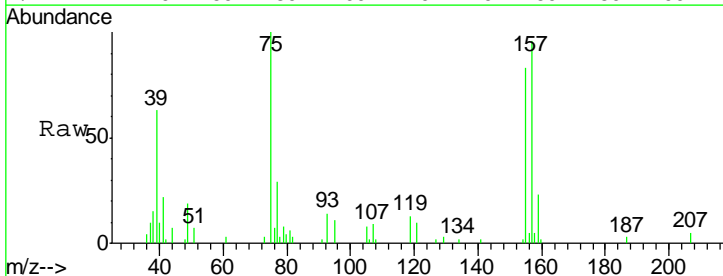
Tgt Ion	Resp	Lower	Upper
146	165146		
111	40.9	19.9	59.6
148	63.7	32.0	96.0

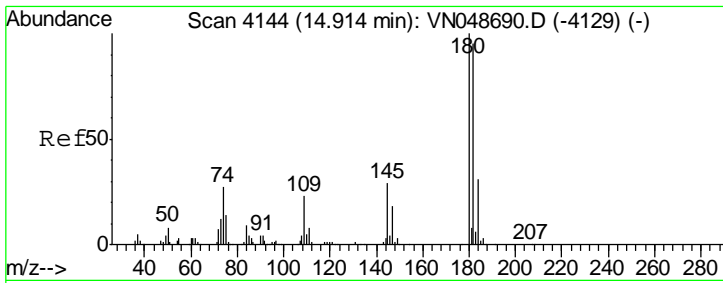
Manual Integrations
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 MMDadoda
 5/31/2018 3:07:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.64 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
75	13959		
155	86.9	47.1	141.4
157	103.1	60.9	182.6





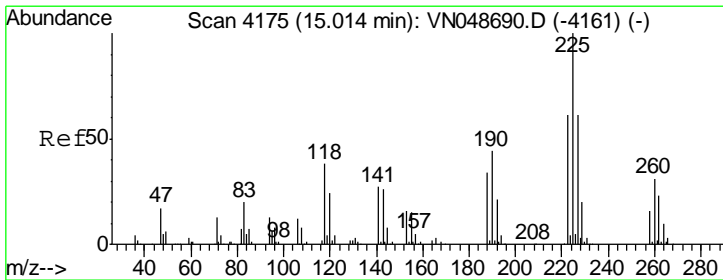
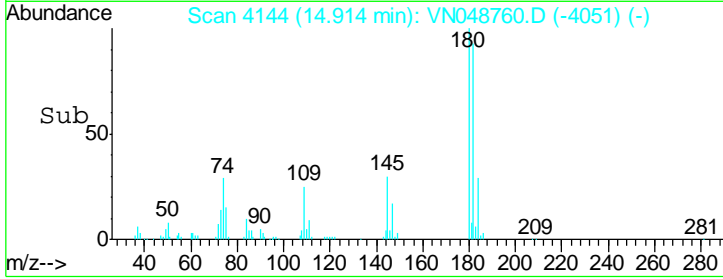
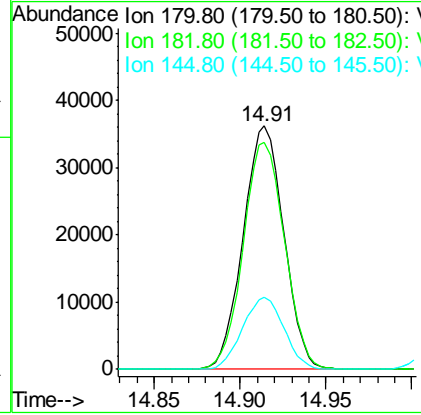
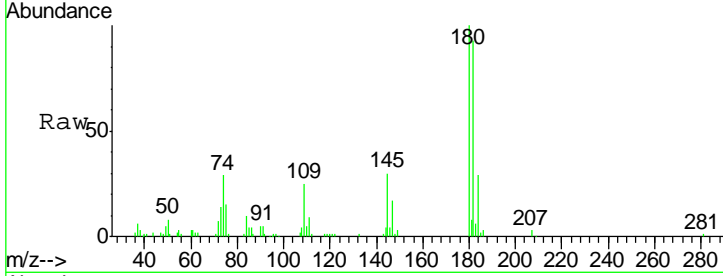
#93
 1,2,4-Trichlorobenzene
 Concen: 16.86 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 Client Sampled : VN0530WBS02

Tgt Ion	Resp	Lower	Upper
180	59293		
182	94.9	47.9	143.8
145	30.1	14.6	43.8

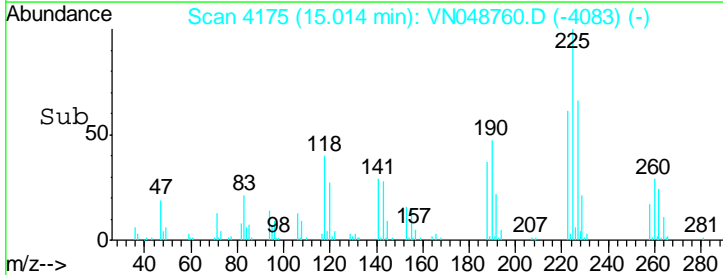
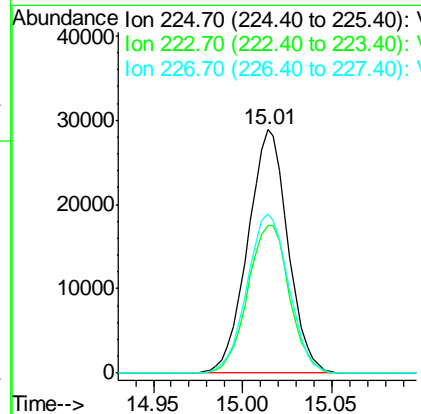
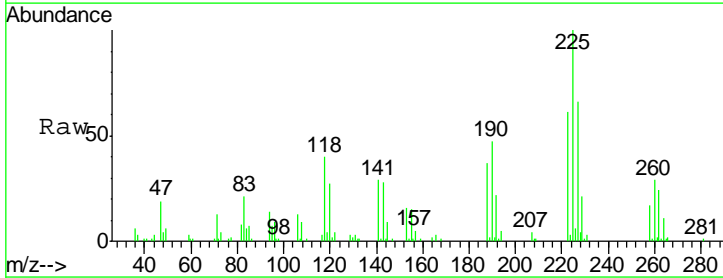
Manual Integrations
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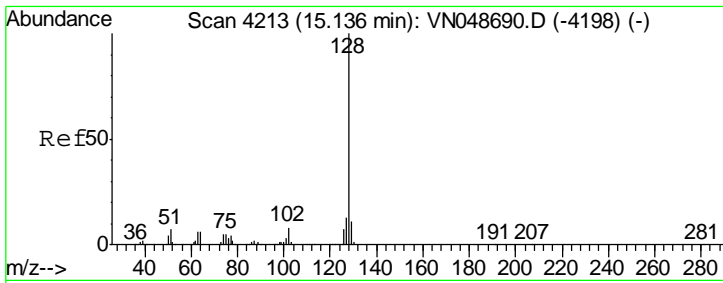
MMDadoda
 5/31/2018 3:07:11 PM



#94
 Hexachlorobutadiene
 Concen: 18.15 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
225	45238		
223	63.1	31.3	93.8
227	67.7	31.9	95.5



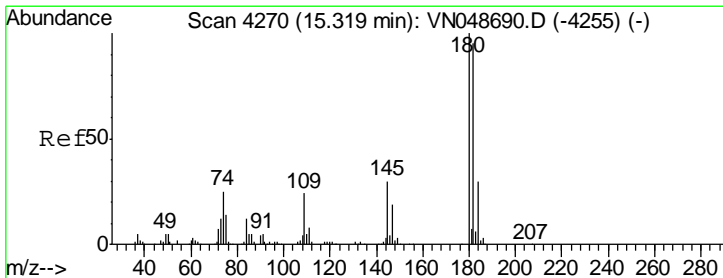
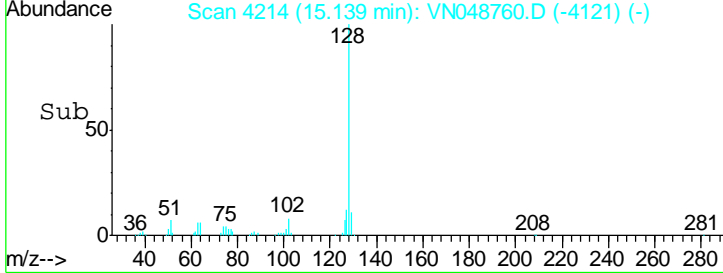
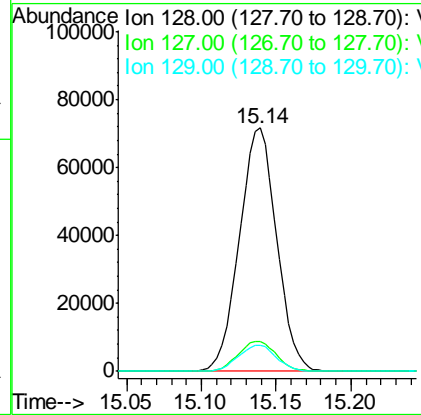
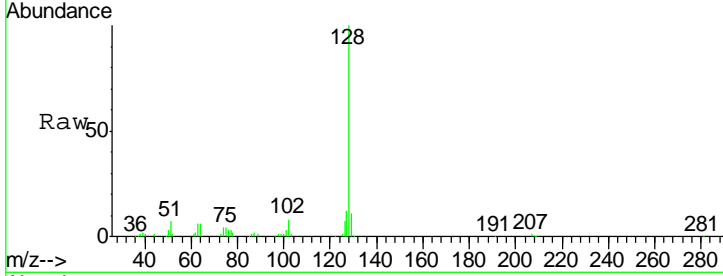


#95
 Naphthalene
 Concen: 16.87 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Instrument : MSVOA_N
 Client Sampled : VN0530WBS02

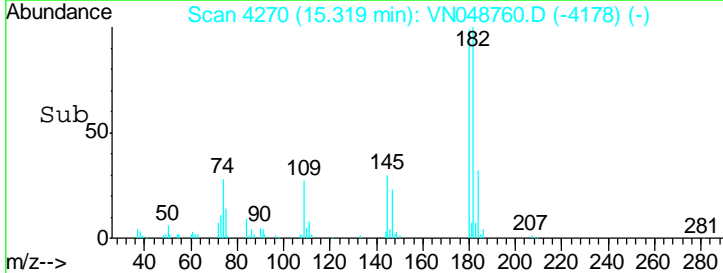
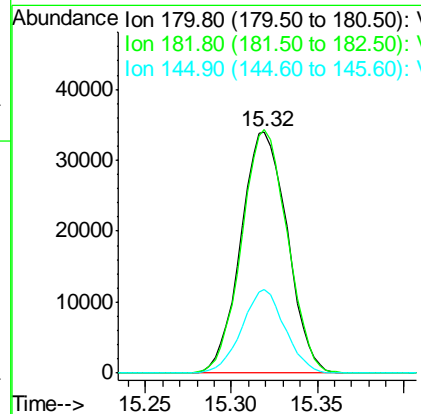
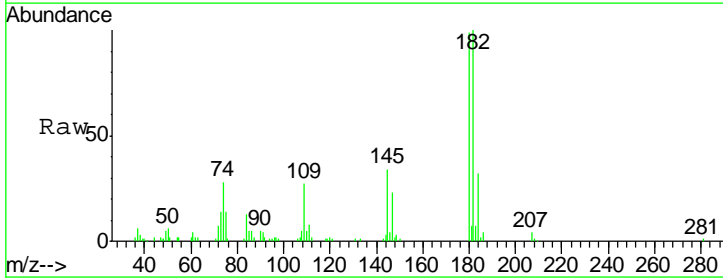
Tgt Ion	Resp	Lower	Upper
128	123785		
127	12.7	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
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#96
 1,2,3-Trichlorobenzene
 Concen: 17.62 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: VN048760.D
 Acq: 31 May 2018 00:26

Tgt Ion	Resp	Lower	Upper
180	63853		
182	98.8	48.4	145.0
145	32.1	15.3	45.9





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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0531WBS01	SDG No.:	J3131
Lab Sample ID:	VN0531WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048788.D	1		05/31/18 13:45	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.5		0.2	0.2	1	ug/L
74-87-3	Chloromethane	20		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	21.3		0.2	0.2	1	ug/L
74-83-9	Bromomethane	13.1		0.2	0.2	1	ug/L
75-00-3	Chloroethane	22.4		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	21.7		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	20.3		0.2	0.2	1	ug/L
67-64-1	Acetone	110		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	19.4		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	20.8		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	23.9		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	20.6		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	21		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	21.5		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	20.8		0.2	0.2	1	ug/L
78-93-3	2-Butanone	110		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	20.9		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	21.4		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	23.3		0.2	0.5	1	ug/L
67-66-3	Chloroform	21.6		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	21.3		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	20.3		0.2	0.2	1	ug/L
71-43-2	Benzene	21.5		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	21.3		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	21		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	22.2		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	21.1		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	110		1	1	5	ug/L
108-88-3	Toluene	21.6		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	20.6		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.3		0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0531WBS01	SDG No.:	J3131
Lab Sample ID:	VN0531WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048788.D	1		05/31/18 13:45	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	21.9		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	110		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	21.2		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	20.3		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	21.4		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	20.9		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	21		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	42.6		0.4	0.4	2	ug/L
95-47-6	o-Xylene	21.3		0.2	0.2	1	ug/L
100-42-5	Styrene	21.6		0.2	0.2	1	ug/L
75-25-2	Bromoform	20.9		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	23		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	23		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	21.3		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	20.9		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	21.1		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.8		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.3		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.6		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		69 - 133		106%	SPK: 50
2037-26-5	Toluene-d8	51.1		65 - 126		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		58 - 135		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	301541	7.67				
540-36-3	1,4-Difluorobenzene	451219	8.59				
3114-55-4	Chlorobenzene-d5	413128	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	215186	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0531WBS01	SDG No.:	J3131
Lab Sample ID:	VN0531WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048788.D	1		05/31/18 13:45	VN053118

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048788.D
 Acq On : 31 May 2018 13:45
 Operator : MD\SY
 Sample : VN0531WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VN0531WBS01

Manual Integrations
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 5/31/2018 6:55:36 PM

Quant Time: May 31 14:12:06 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	301541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	451219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	413128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	215186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	217447	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.59	113	201600	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	10.09	98	721473	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.40	95	246438	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	76216	20.52	ug/l	100
3) Chloromethane	2.06	50	103945	20.05	ug/l	98
4) Vinyl Chloride	2.18	62	101583	21.31	ug/l	98
5) Bromomethane	2.57	94	32483	13.12	ug/l	94
6) Chloroethane	2.70	64	60515	22.41	ug/l	100
7) Trichlorofluoromethane	3.01	101	139663	21.72	ug/l	97
8) Diethyl Ether	3.41	74	48631	20.42	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	86728	21.03	ug/l	95
10) Methyl Iodide	3.95	142	56072	9.83	ug/l	96
11) Tert butyl alcohol	4.80	59	30800	101.70	ug/l	# 73
12) 1,1-Dichloroethene	3.73	96	79743	20.27	ug/l	96
13) Acrolein	3.61	56	38296	92.72	ug/l	96
14) Allyl chloride	4.32	41	152277	20.70	ug/l	96
15) Acrylonitrile	4.99	53	157223	110.46	ug/l	99
16) Acetone	3.82	43	126367	112.38	ug/l	97
17) Carbon Disulfide	4.05	76	249625	19.41	ug/l	98
18) Methyl Acetate	4.33	43	77501	23.87	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	224200	20.84	ug/l	96
20) Methylene Chloride	4.55	84	96803	20.55	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	88138	21.00	ug/l	96
22) Diisopropyl ether	5.96	45	303869	21.65	ug/l	97
23) Vinyl Acetate	5.90	43	1011818	106.04	ug/l	99
24) 1,1-Dichloroethane	5.85	63	178081	21.53	ug/l	99
25) 2-Butanone	6.84	43	181285	108.42	ug/l	98
26) 2,2-Dichloropropane	6.82	77	144432	20.97	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	101136	21.36	ug/l	98
28) Bromochloromethane	7.20	49	87668	23.26	ug/l	92
29) Tetrahydrofuran	7.22	42	119696	106.90	ug/l	96
30) Chloroform	7.37	83	171966	21.61	ug/l	100
31) Cyclohexane	7.66	56	157974	20.78	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	147525	21.29	ug/l	98
36) 1,1-Dichloropropene	7.80	75	129857	20.82	ug/l	97
37) Ethyl Acetate	6.93	43	85965	23.02	ug/l	98
38) Carbon Tetrachloride	7.77	117	133217	20.91	ug/l	96

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048788.D
 Acq On : 31 May 2018 13:45
 Operator : MD\SY
 Sample : VN0531WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample Id :
 VN0531WBS01

Manual Integrations
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MMDadoda
 5/31/2018 6:55:36 PM

Quant Time: May 31 14:12:06 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	137559	20.29	ug/l	96
40) Benzene	8.04	78	390758	21.48	ug/l	98
41) Methacrylonitrile	7.17	41	36737	17.78	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	120948	21.30	ug/l	100
43) Isopropyl Acetate	8.17	43	154471	22.42	ug/l #	86
44) Trichloroethene	8.84	130	98104	20.95	ug/l	94
45) 1,2-Dichloropropane	9.12	63	110176	22.25	ug/l	100
46) Dibromomethane	9.21	93	60303	21.72	ug/l	93
47) Bromodichloromethane	9.40	83	131252	21.12	ug/l	97
48) Methyl methacrylate	9.20	41	70889	21.30	ug/l	98
49) 1,4-Dioxane	9.20	88	16756	415.64	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	395185	108.90	ug/l	99
52) Toluene	10.16	92	232298	21.63	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	128481	20.57	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	155095	21.35	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	84605	21.94	ug/l	97
56) Ethyl methacrylate	10.43	69	106181	20.43	ug/l	96
57) 1,3-Dichloropropane	10.71	76	145711	21.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	168571	91.21	ug/l	96
59) 2-Hexanone	10.75	43	253980	106.15	ug/l	97
60) Dibromochloromethane	10.90	129	95822	21.20	ug/l	99
61) 1,2-Dibromoethane	11.01	107	77301	20.31	ug/l	100
64) Tetrachloroethene	10.63	164	89371	21.37	ug/l	97
65) Chlorobenzene	11.44	112	253316	20.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	96358	21.16	ug/l	99
67) Ethyl Benzene	11.51	91	440703	21.04	ug/l	99
68) m/p-Xylenes	11.62	106	336083	42.56	ug/l	99
69) o-Xylene	11.95	106	162491	21.33	ug/l	97
70) Styrene	11.97	104	258629	21.60	ug/l	99
71) Bromoform	12.13	173	61684	20.95	ug/l #	99
73) Isopropylbenzene	12.25	105	442822	23.02	ug/l	99
74) N-amyl acetate	12.07	43	123143	21.73	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	108817	22.97	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	84840m	22.83	ug/l	
77) Bromobenzene	12.53	156	104184	22.27	ug/l	97
78) n-propylbenzene	12.59	91	505388	22.87	ug/l	98
79) 2-Chlorotoluene	12.68	91	306845	23.15	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	358235	23.10	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27268	20.26	ug/l	97
82) 4-Chlorotoluene	12.78	91	295708	22.46	ug/l	100
83) tert-Butylbenzene	13.00	119	305057	22.12	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	356519	22.88	ug/l	100
85) sec-Butylbenzene	13.17	105	413313	22.60	ug/l	100
86) p-Isopropyltoluene	13.29	119	349586	22.41	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	175632	21.30	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	167618	20.94	ug/l	99
89) n-Butylbenzene	13.62	91	277226	21.15	ug/l	96
90) Hexachloroethane	13.88	117	74362	22.25	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	170354	21.12	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15301	21.76	ug/l	87

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048788.D
 Acq On : 31 May 2018 13:45
 Operator : MD\SY
 Sample : VN0531WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

Manual Integrations
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Quant Time: May 31 14:12:06 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64278	17.44	ug/l	99
94) Hexachlorobutadiene	15.01	225	48462	18.70	ug/l	98
95) Naphthalene	15.14	128	133993	17.39	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	69331	18.31	ug/l	98

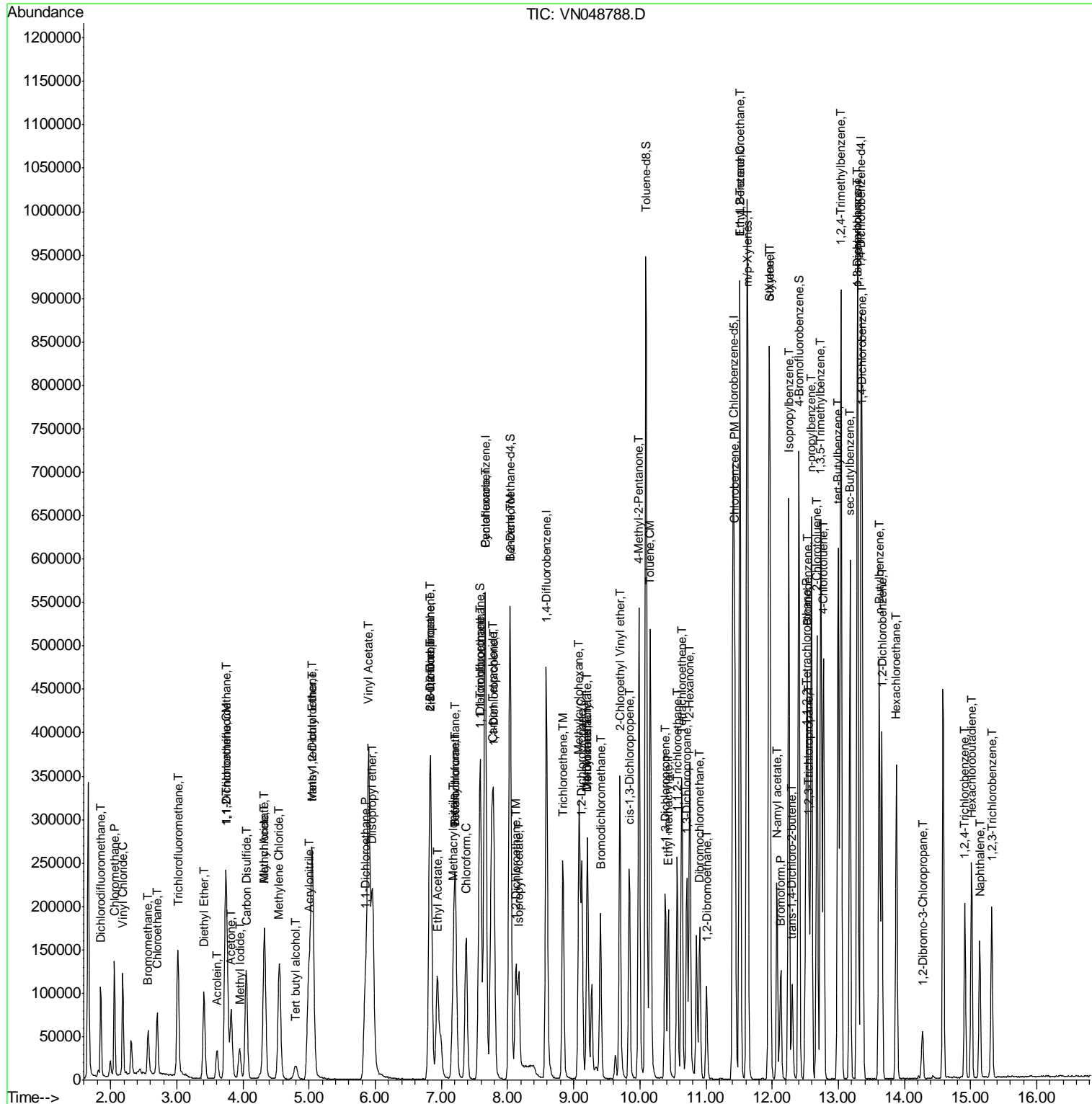
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053118\
 Data File : VN048788.D
 Acq On : 31 May 2018 13:45
 Operator : MD\SY
 Sample : VN0531WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

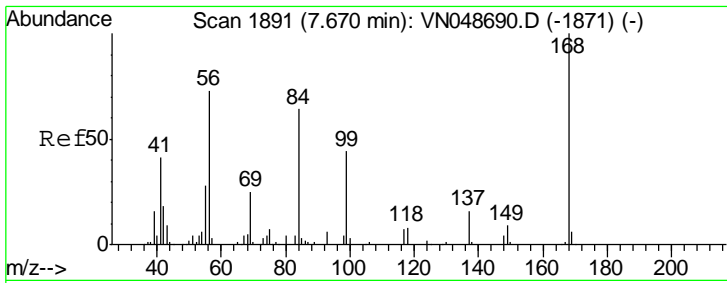
Instrument :
 MSVOA_N
 Client Sampled :
 VN0531WBS01

Manual Integrations
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 5/31/2018 6:55:36 PM

Quant Time: May 31 14:12:06 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration



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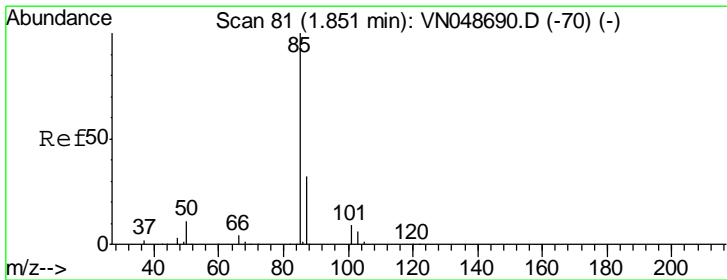
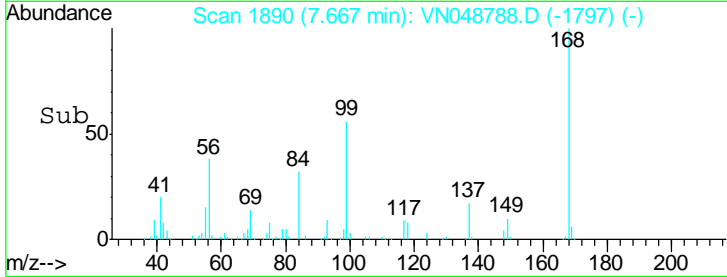
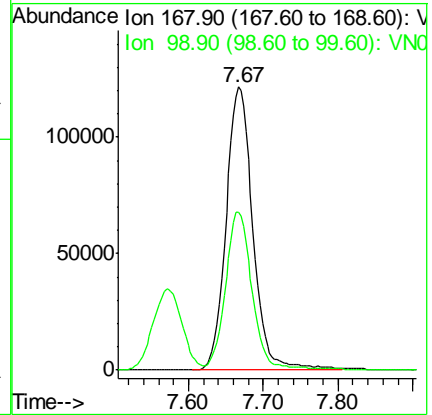
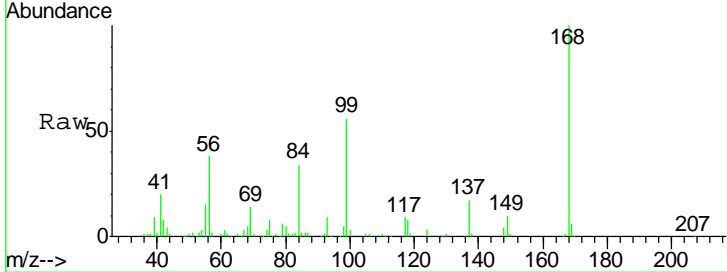


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

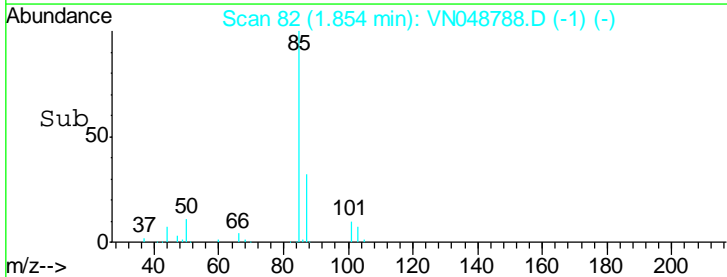
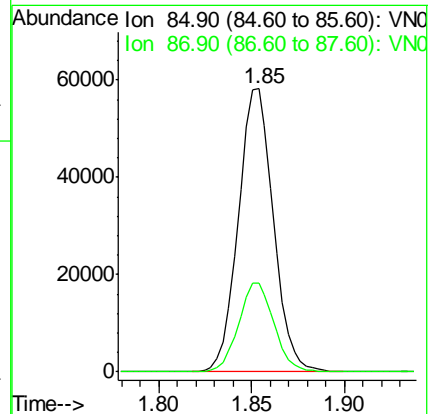
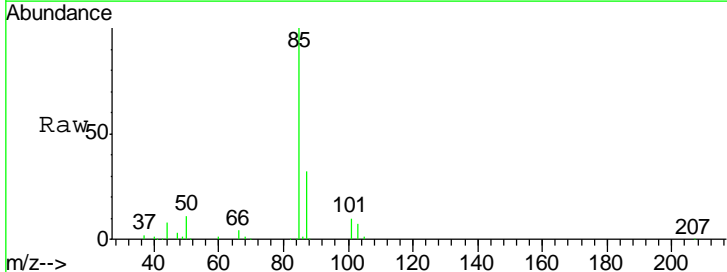
Tgt Ion	Resp	Lower	Upper
168	301541		
168	100		
99	55.5	40.8	61.2

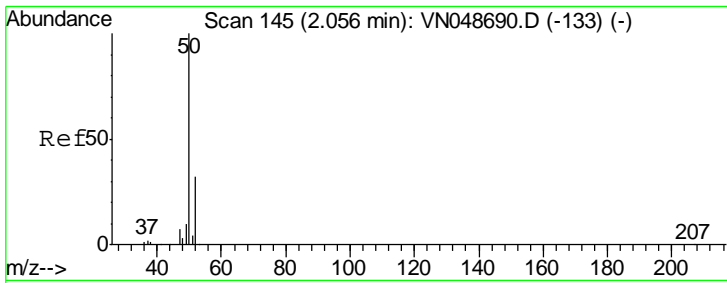
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#2
 Dichlorodifluoromethane
 Concen: 20.52 ug/l
 RT: 1.85 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
85	76216		
85	100		
87	31.6	15.9	47.7



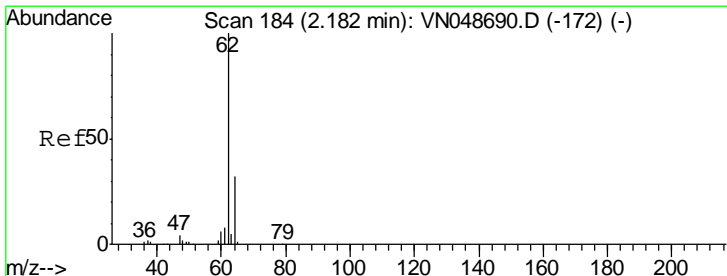
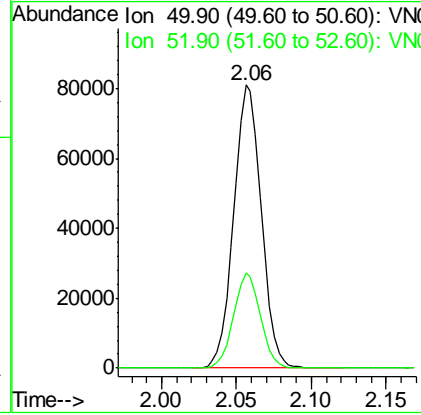
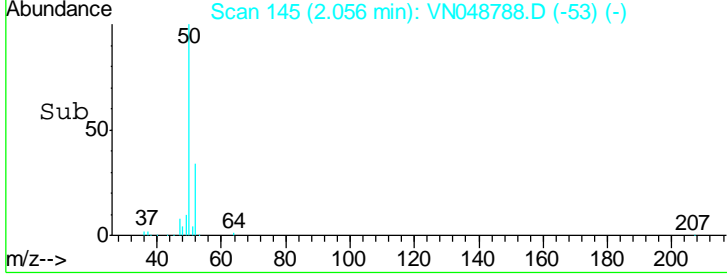
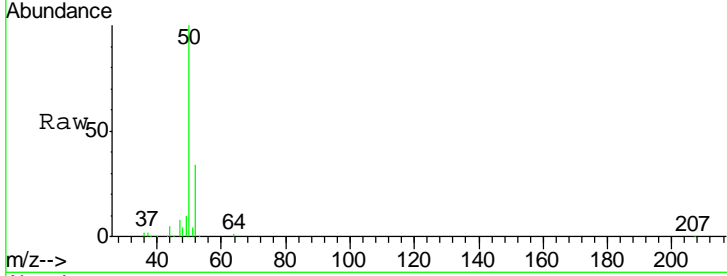


#3
 Chloromethane
 Concen: 20.05 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
50	103945		
52	33.5	26.0	39.0

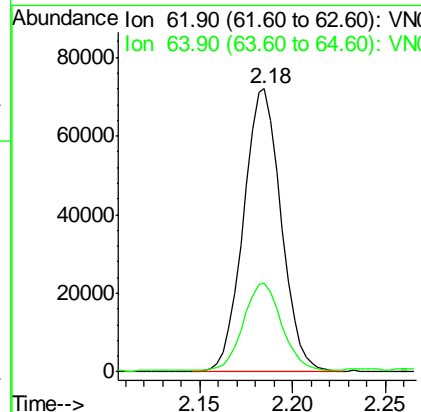
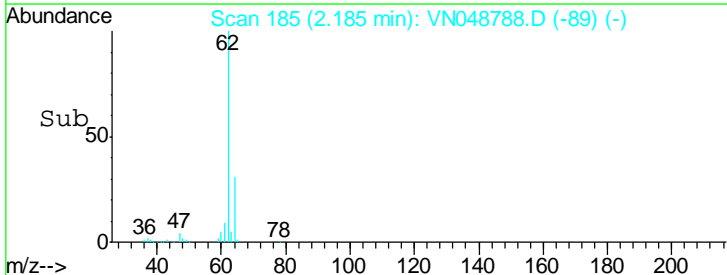
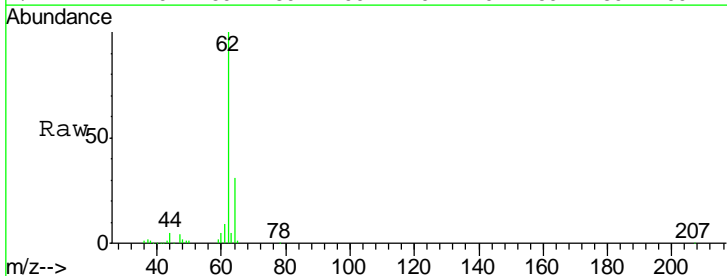
Instrument : MSVOA_N
 ClientSampleId : VN0531WBS01

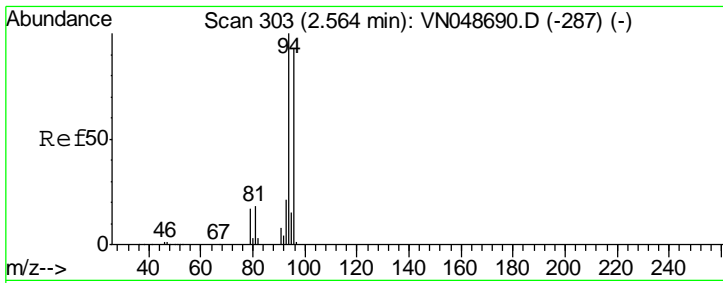
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#4
 Vinyl Chloride
 Concen: 21.31 ug/l
 RT: 2.18 min Scan# 185
 Delta R.T. 0.01 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
62	101583		
64	30.9	25.6	38.4



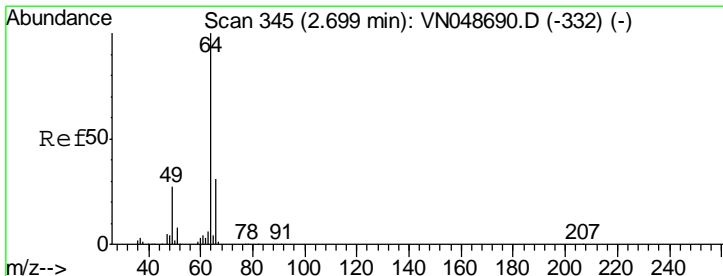
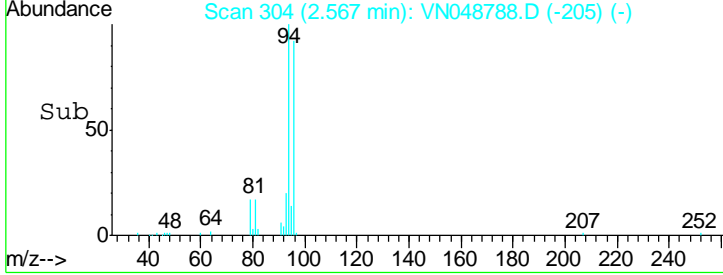
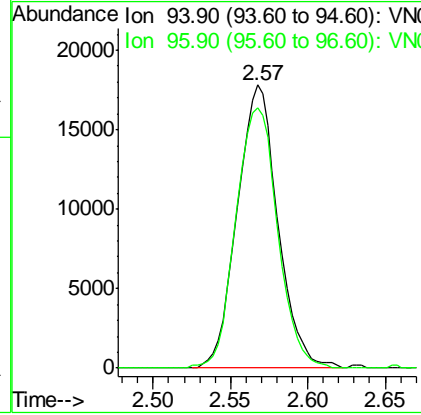
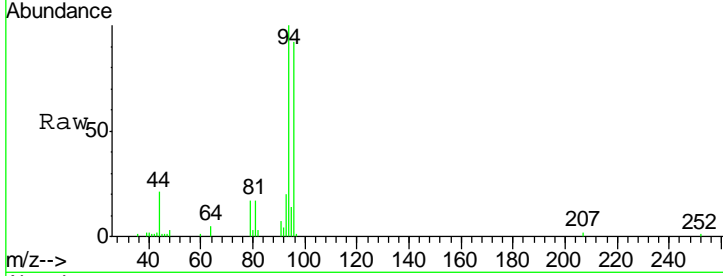


#5
 Bromomethane
 Concen: 13.12 ug/l
 RT: 2.57 min Scan# 304
 Delta R.T. 0.02 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
94	32483		
96	92.0	78.0	117.0

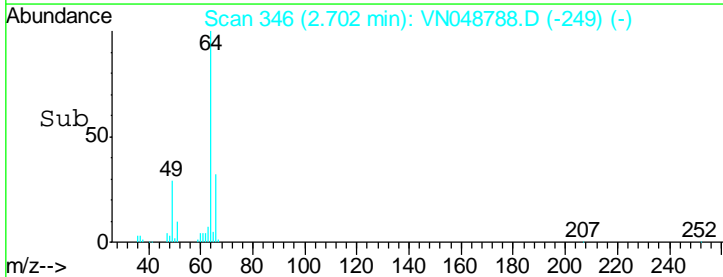
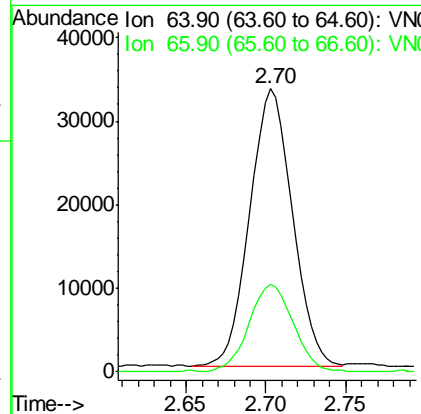
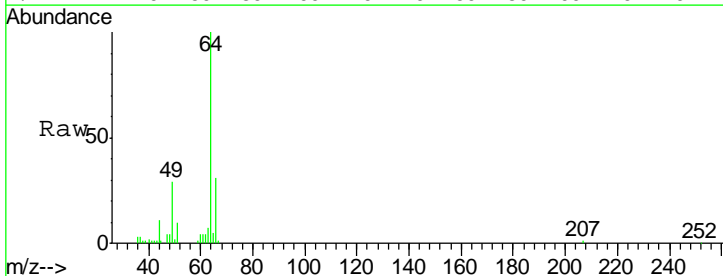
Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

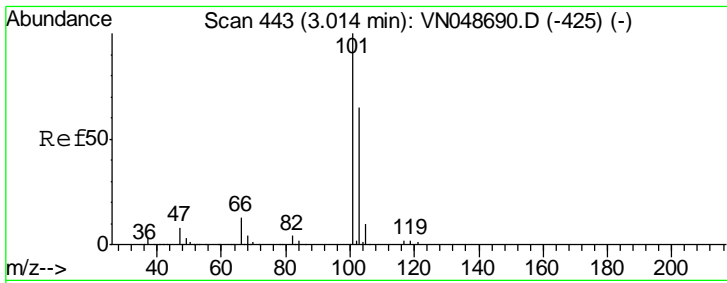
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#6
 Chloroethane
 Concen: 22.41 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
64	60515		
66	31.1	24.8	37.2



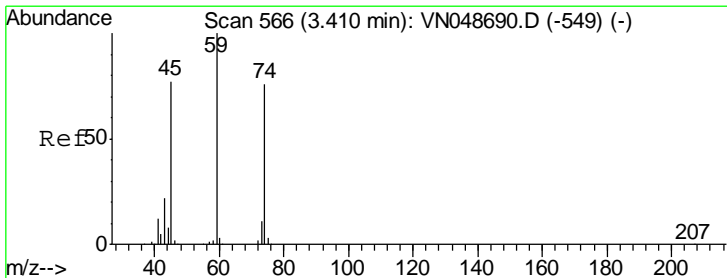
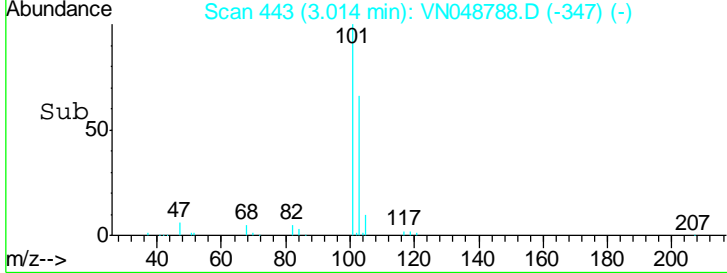
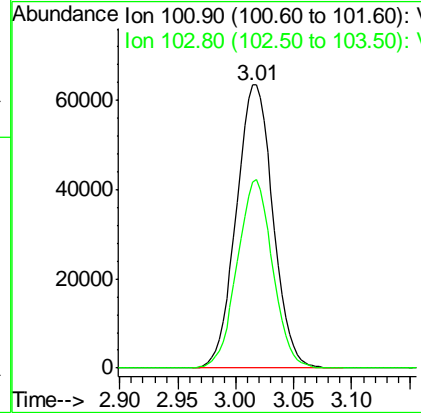
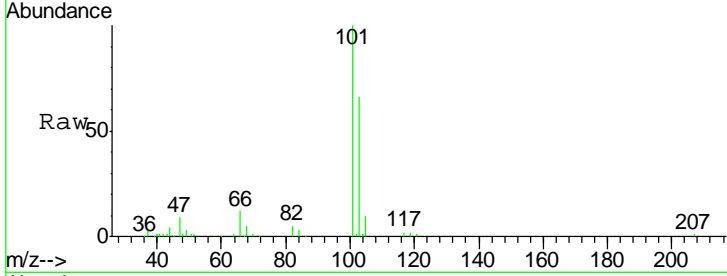


#7
 Trichlorofluoromethane
 Concen: 21.72 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
101	139663		
103	65.7	50.8	76.2

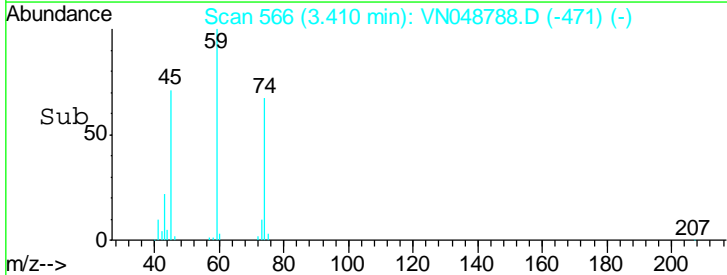
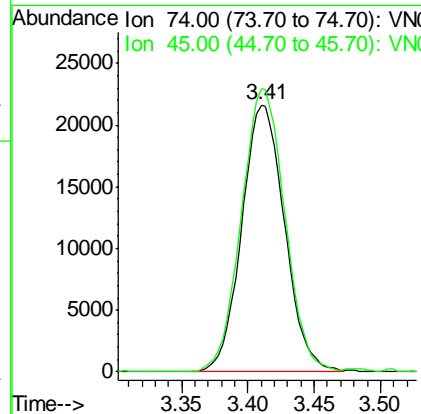
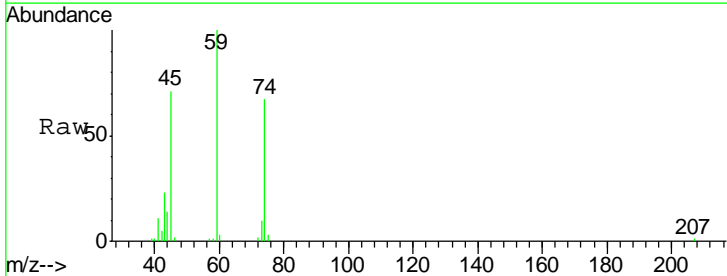
Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

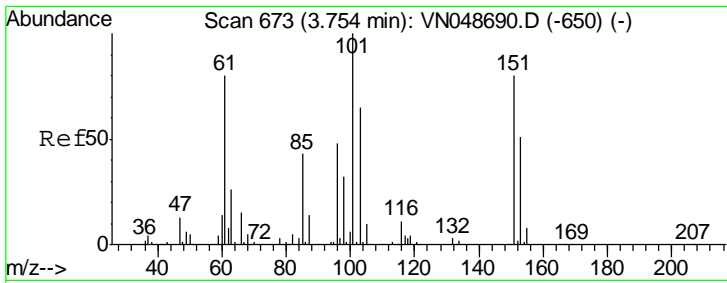
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#8
 Diethyl Ether
 Concen: 20.42 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

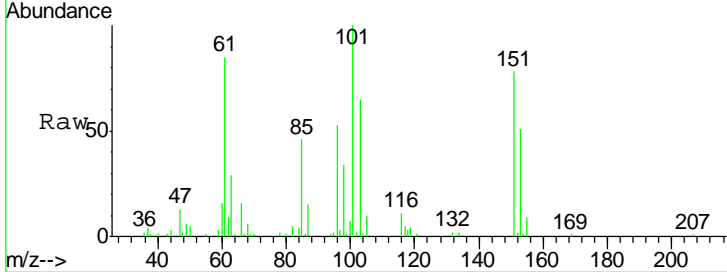
Tgt Ion	Resp	Lower	Upper
74	48631		
45	108.1	50.0	150.0





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.03 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

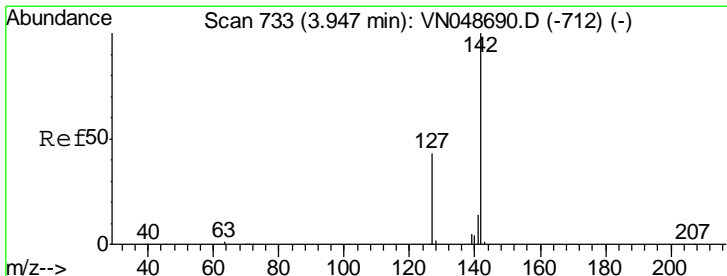
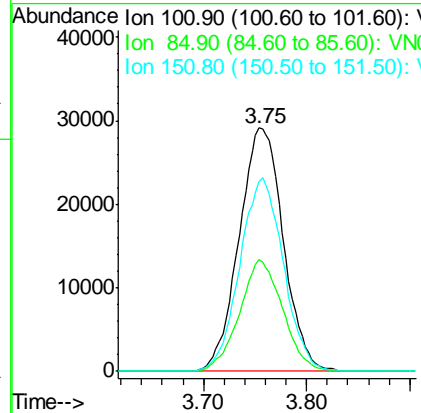
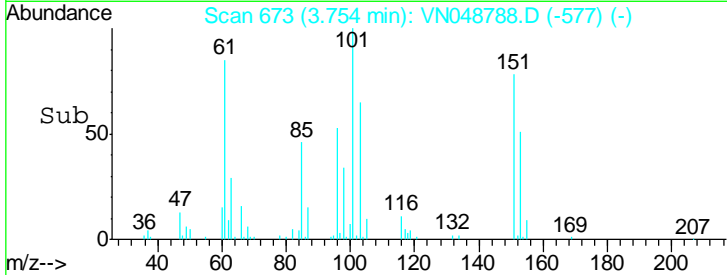
Instrument : MSVOA_N
 ClientSampled : VN0531WBS01



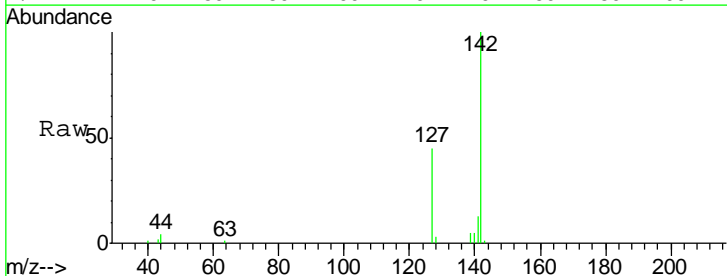
Tgt Ion: 101 Resp: 86728

Ion	Ratio	Lower	Upper
101	100		
85	44.7	33.3	49.9
151	78.5	66.5	99.7

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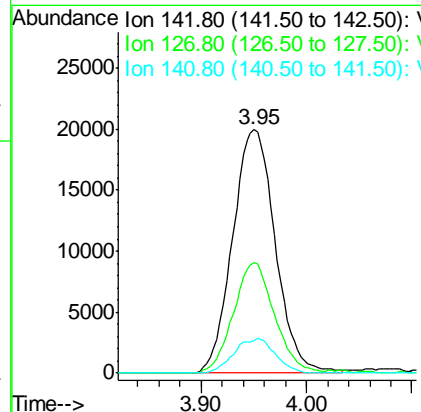
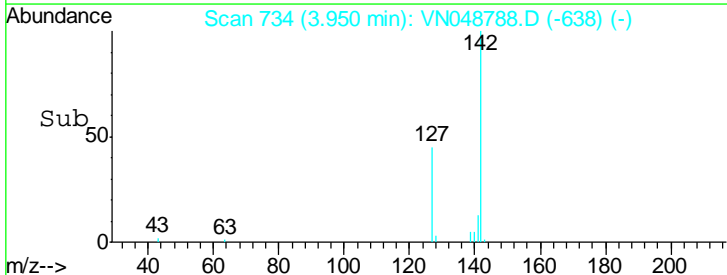


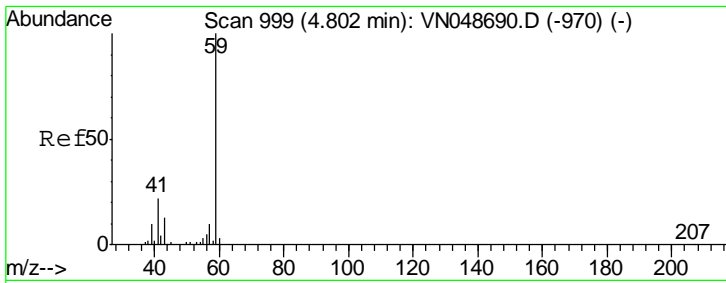
#10
 Methyl Iodide
 Concen: 9.83 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45



Tgt Ion: 142 Resp: 56072

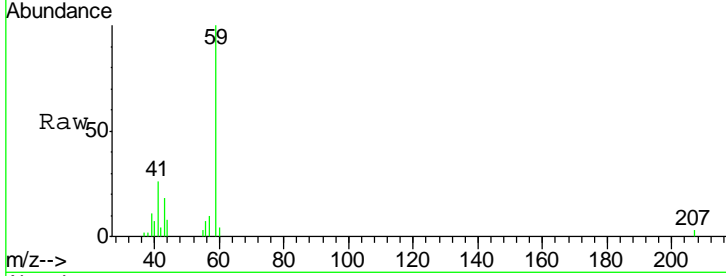
Ion	Ratio	Lower	Upper
142	100		
127	43.6	32.5	48.7
141	13.7	11.3	16.9





#11
 Tert butyl alcohol
 Concen: 101.70 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.02 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

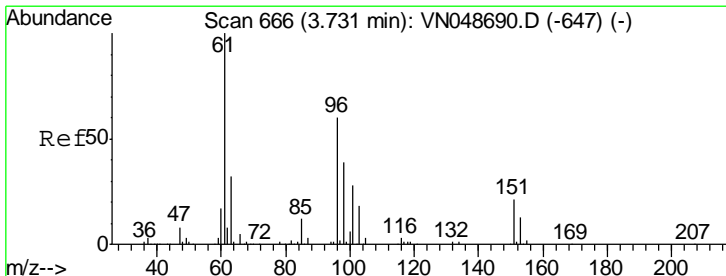
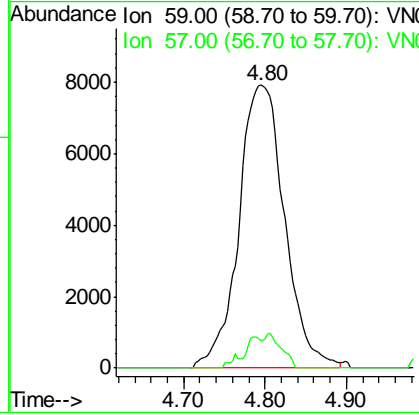
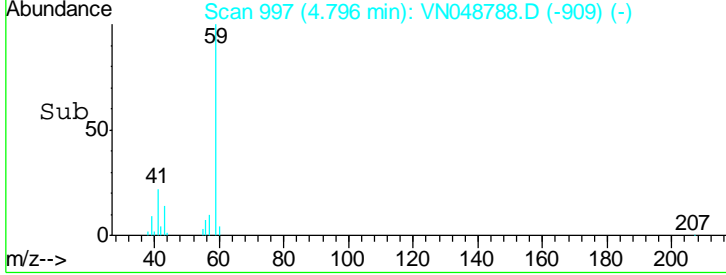
Instrument : MSVOA_N
 ClientSampled : VN0531WBS01



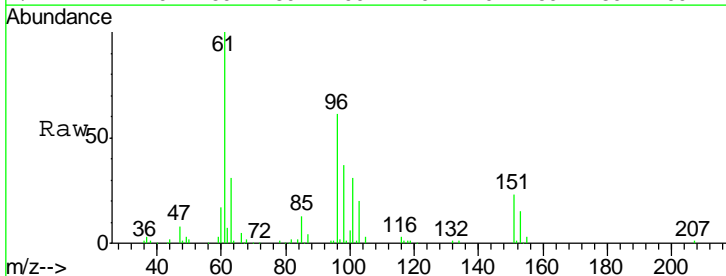
Tgt Ion: 59 Resp: 30800

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#

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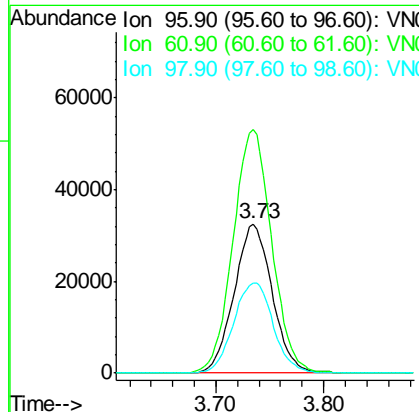
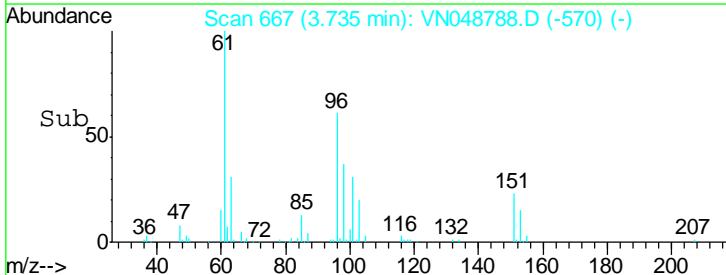


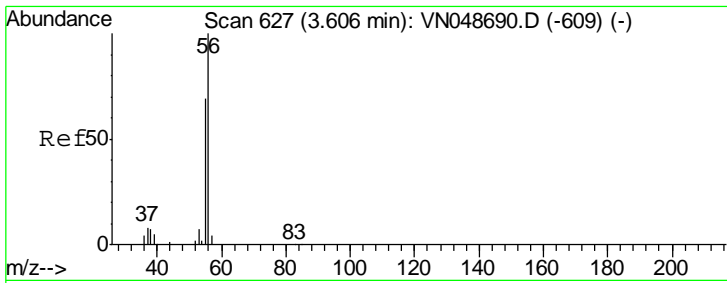
#12
 1,1-Dichloroethene
 Concen: 20.27 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45



Tgt Ion: 96 Resp: 79743

Ion	Ratio	Lower	Upper
96	100		
61	162.6	125.6	188.4
98	60.4	51.0	76.4



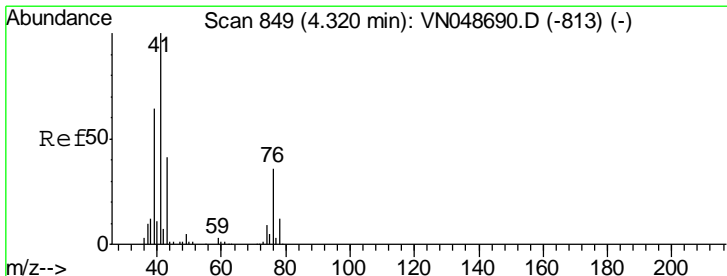
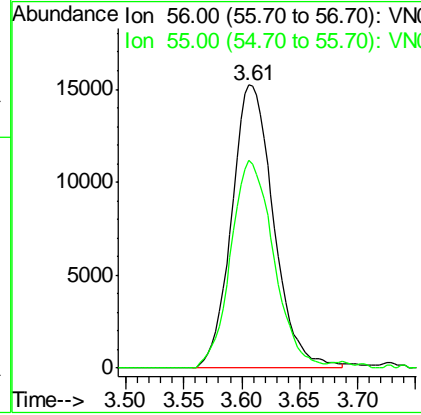
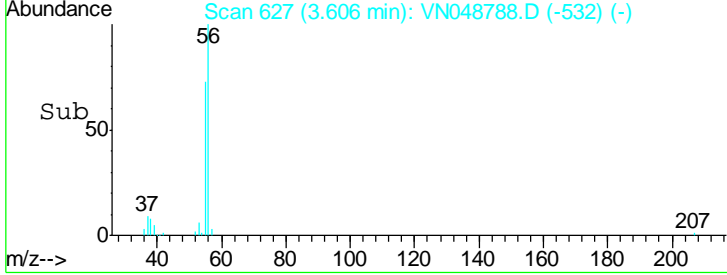
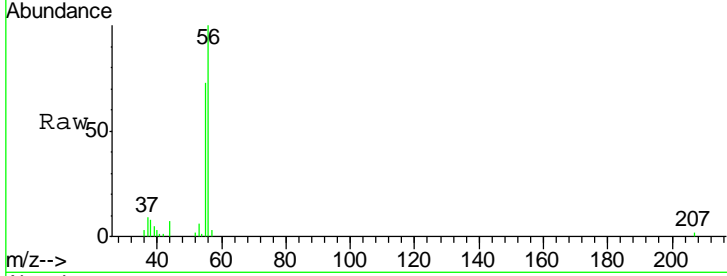


#13
 Acrolein
 Concen: 92.72 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
56	100		
55	75.0	57.1	85.7

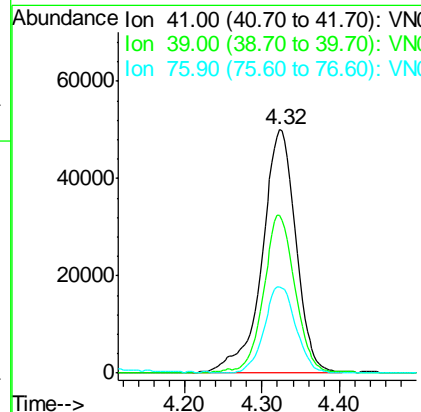
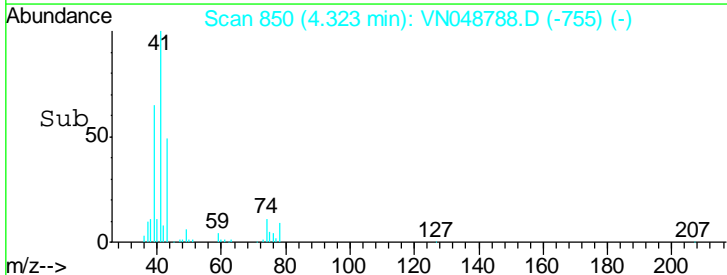
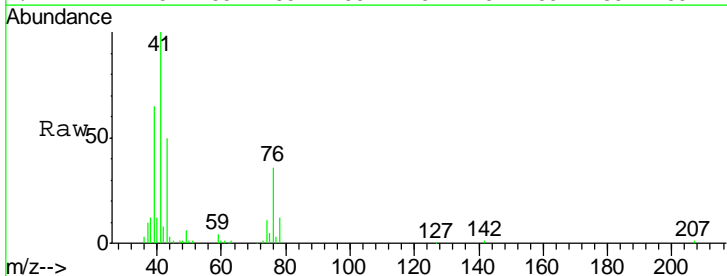
Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

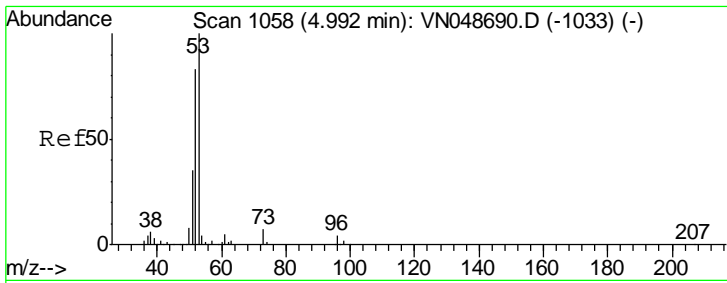
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#14
 Allyl chloride
 Concen: 20.70 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
41	100		
39	60.7	51.1	76.7
76	33.3	28.2	42.2





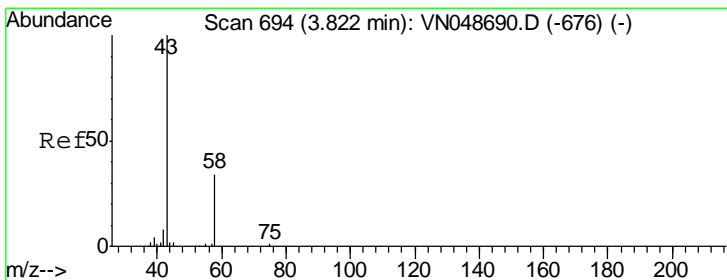
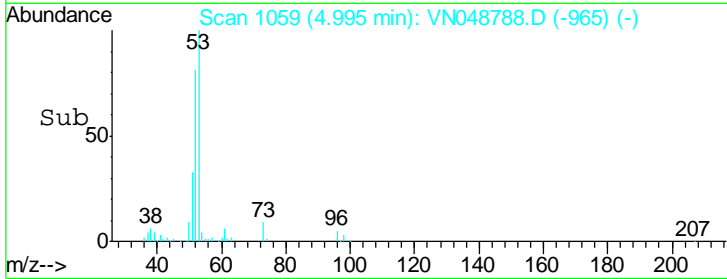
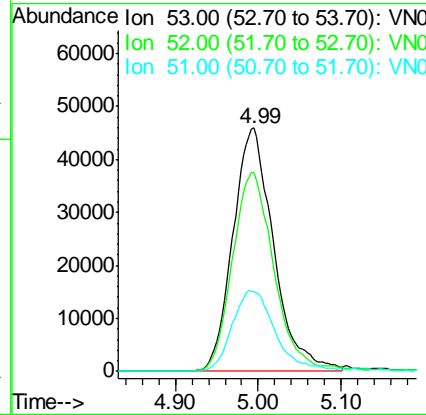
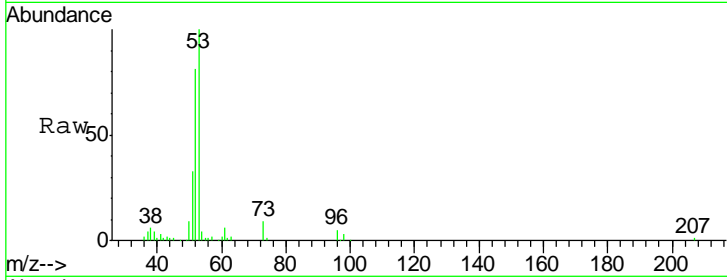
#15
 Acrylonitrile
 Concen: 110.46 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

Tgt Ion	Resp	Lower	Upper
53	157223		
52	81.9	65.5	98.3
51	35.0	28.8	43.2

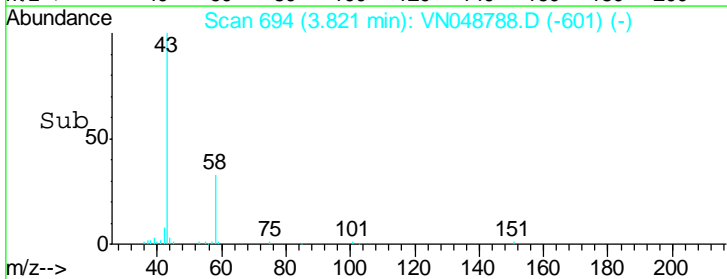
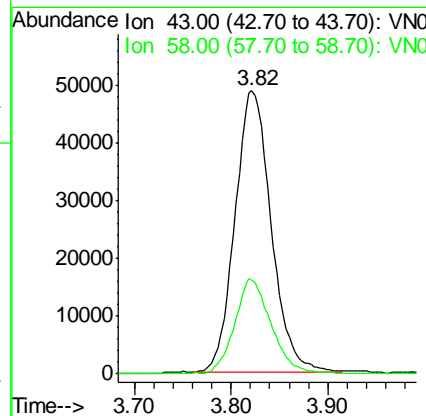
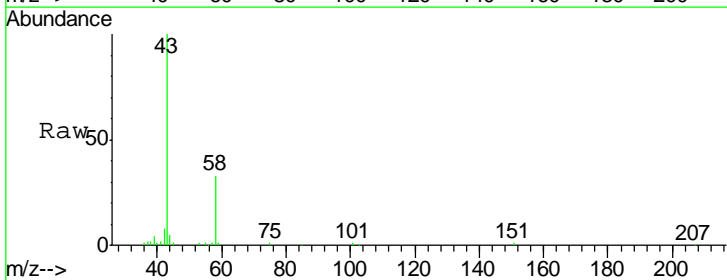
Manual Integrations
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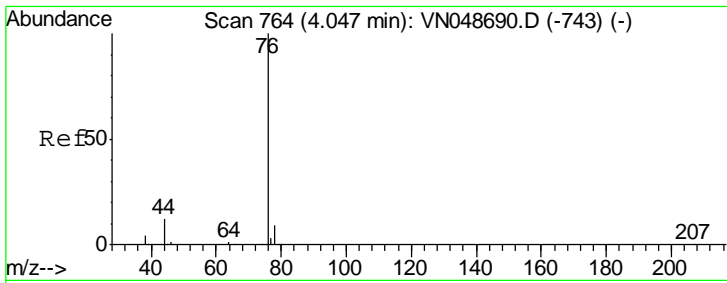
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 5/31/2018 6:55:36 PM



#16
 Acetone
 Concen: 112.38 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
43	126367		
58	33.6	25.4	38.0



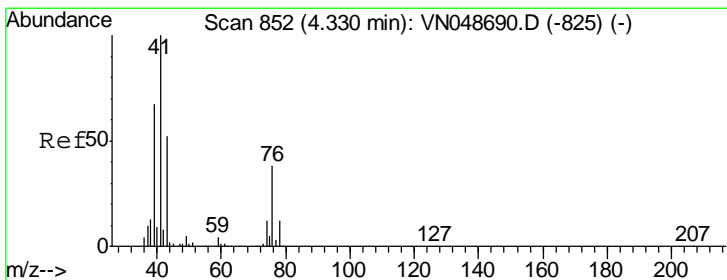
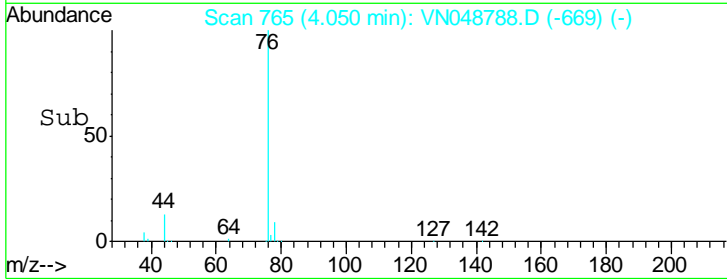
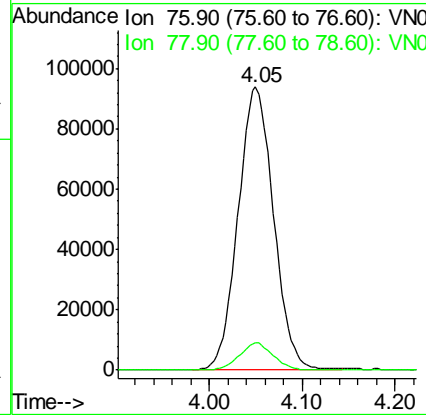
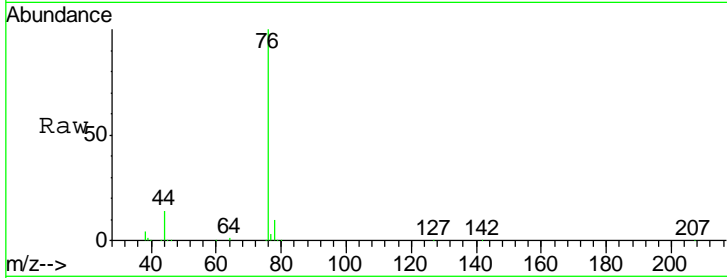


#17
 Carbon Disulfide
 Concen: 19.41 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
76	249625		
76	100		
78	9.7	7.2	10.8

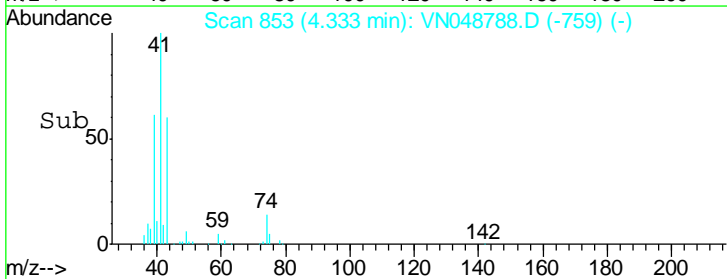
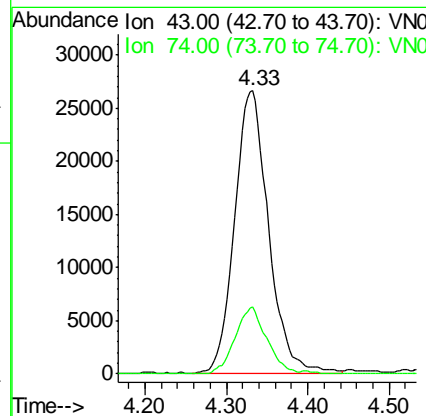
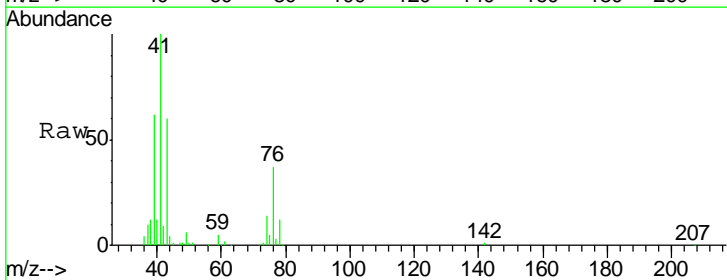
Instrument : MSVOA_N
 ClientSampleId : VN0531WBS01

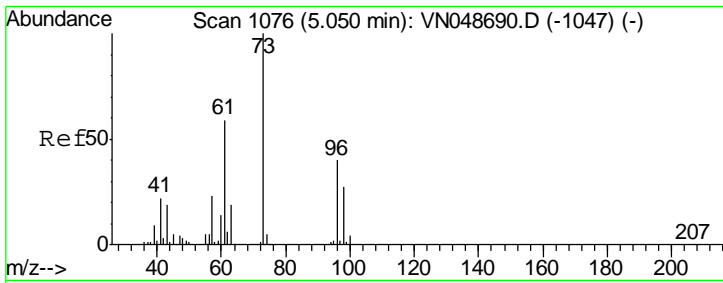
Manual Integrations APPROVED
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#18
 Methyl Acetate
 Concen: 23.87 ug/l
 RT: 4.33 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
43	77501		
43	100		
74	22.0	18.4	27.6



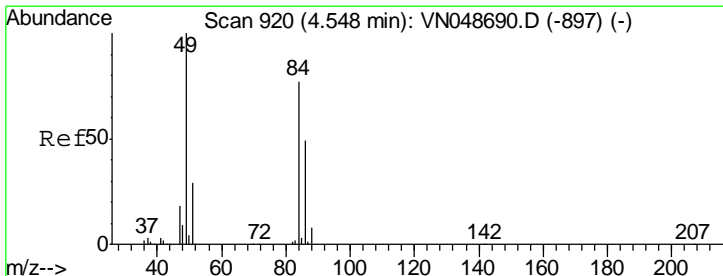
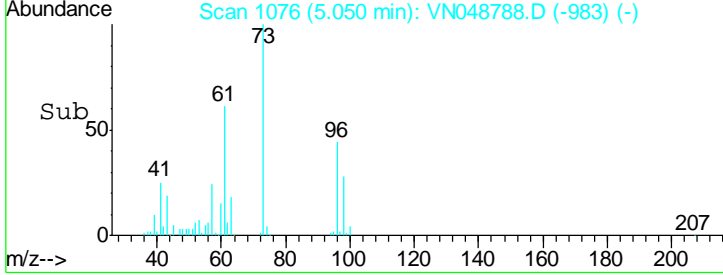
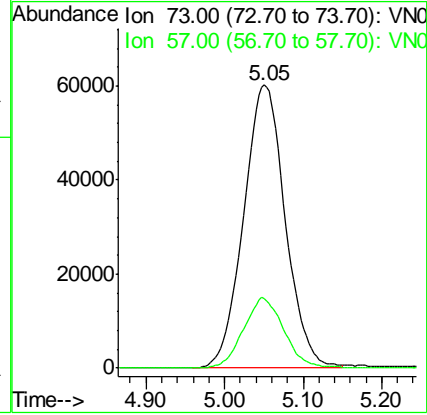
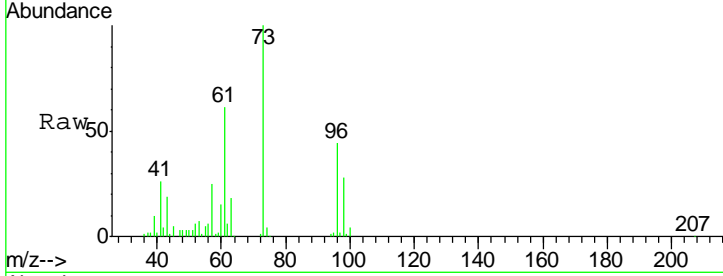


#19
 Methyl tert-butyl Ether
 Concen: 20.84 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
73	100		
57	24.6	18.0	27.0

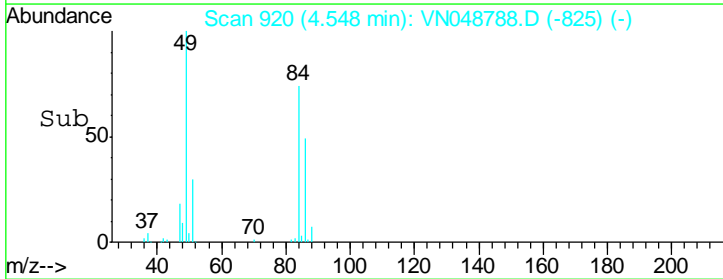
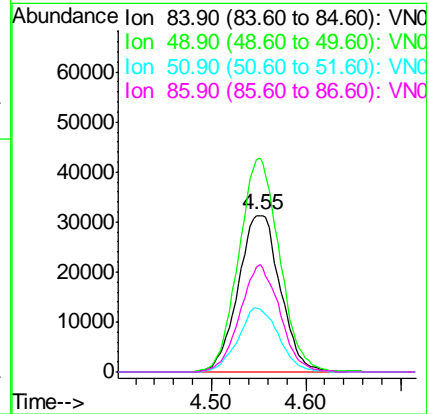
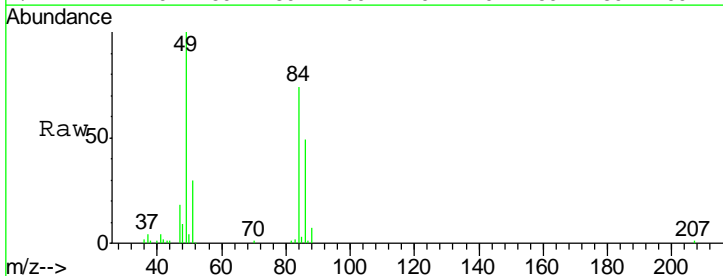
Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

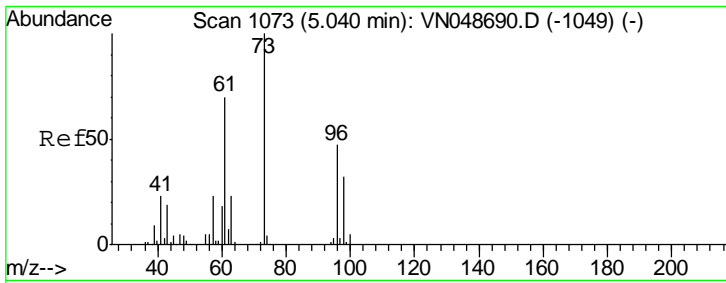
Manual Integrations
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#20
 Methylene Chloride
 Concen: 20.55 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

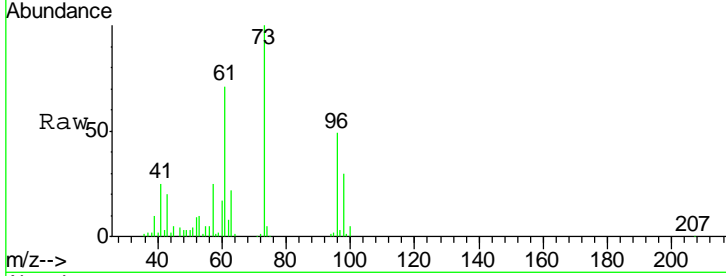
Tgt Ion	Resp	Lower	Upper
84	100		
49	135.6	97.7	146.5
51	40.9	30.4	45.6
86	66.6	51.8	77.8





#21
 trans-1,2-Dichloroethene
 Concen: 21.00 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.01 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

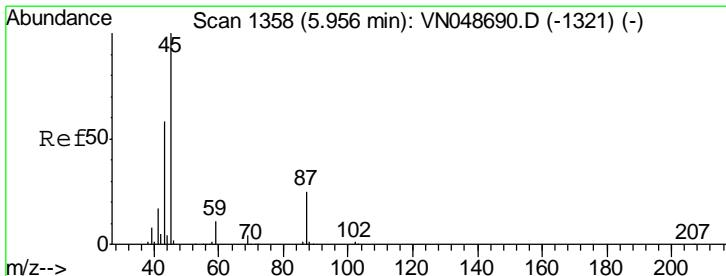
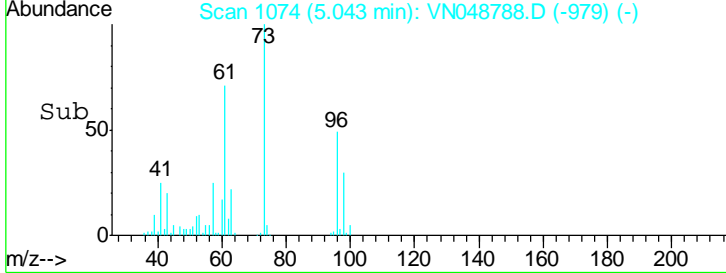
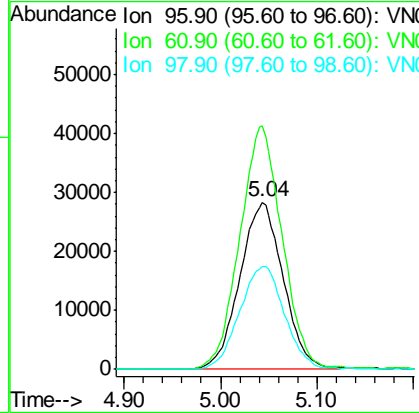
Instrument : MSVOA_N
 Client Sampled : VN0531WBS01



Tgt Ion: 96 Resp: 88138

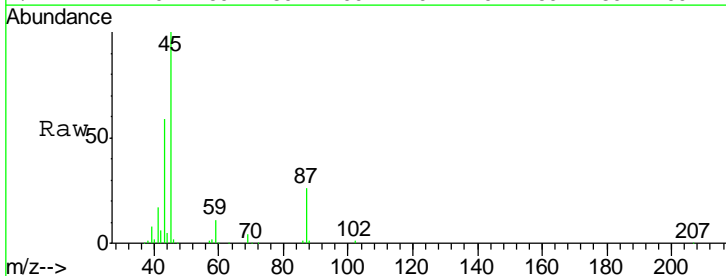
Ion	Ratio	Lower	Upper
96	100		
61	145.9	112.2	168.2
98	61.5	50.5	75.7

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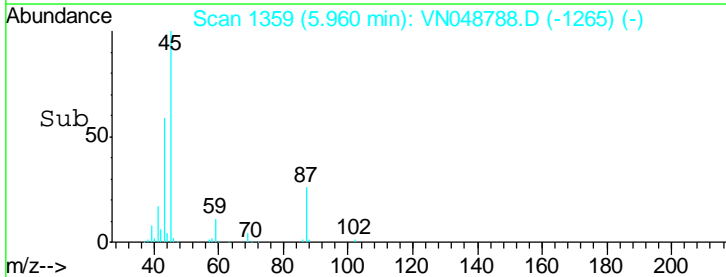
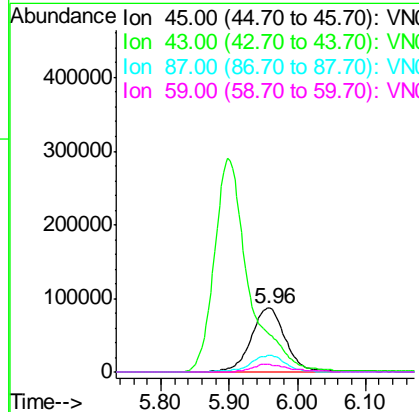
#22
 Diisopropyl ether
 Concen: 21.65 ug/l
 RT: 5.96 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

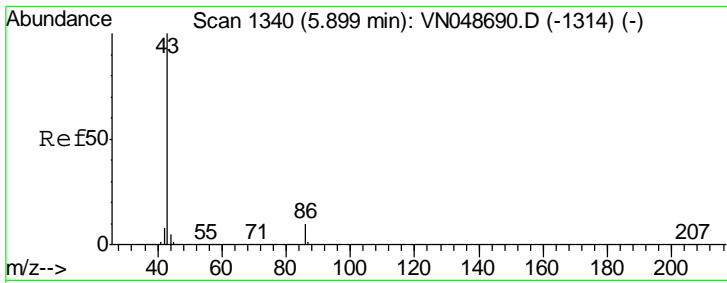
1
2
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15
16



Tgt Ion: 45 Resp: 303869

Ion	Ratio	Lower	Upper
45	100		
43	56.3	43.8	65.8
87	25.0	21.8	32.6
59	10.8	9.2	13.8





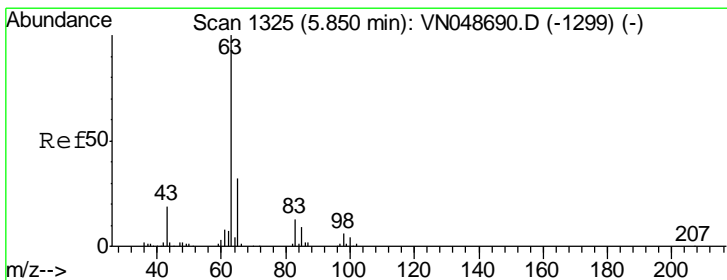
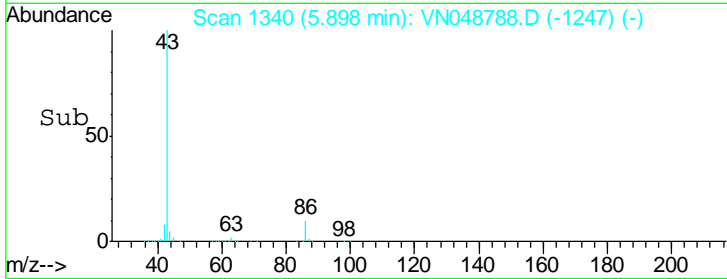
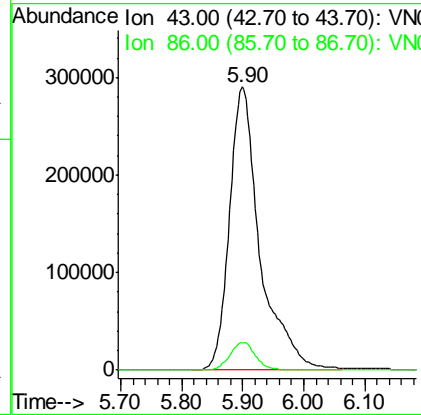
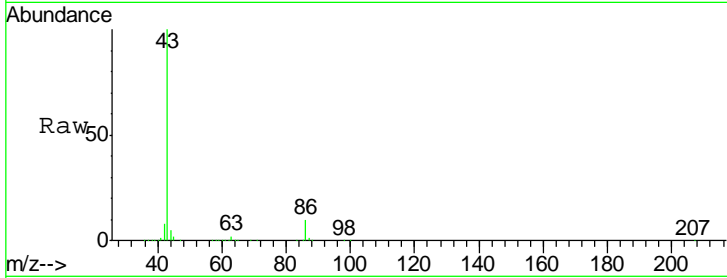
#23
 Vinyl Acetate
 Concen: 106.04 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 Client Sampled : VN0531WBS01

Tgt Ion: 43 Resp: 1011818

Ion	Ratio	Lower	Upper
43	100		
86	9.7	8.2	12.2

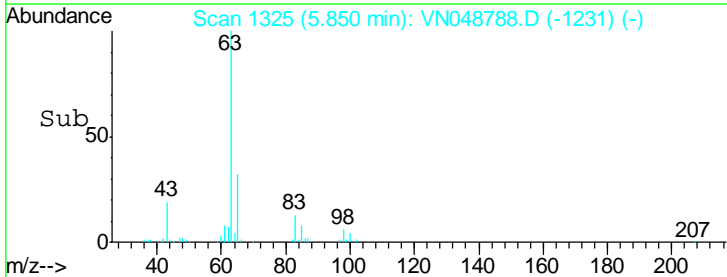
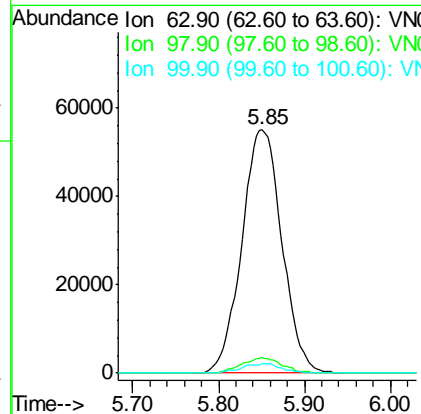
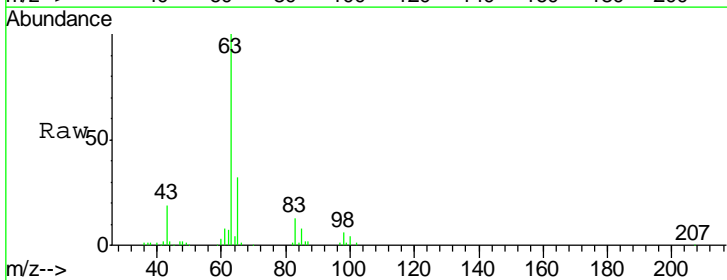
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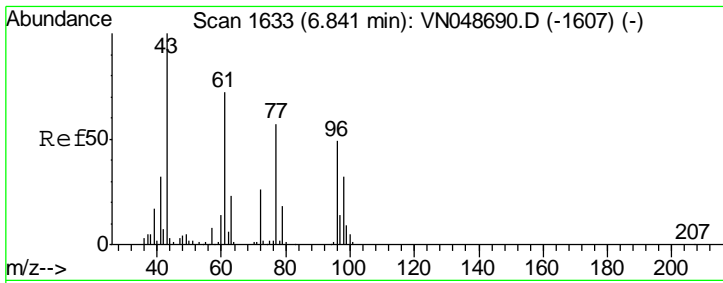


#24
 1,1-Dichloroethane
 Concen: 21.53 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion: 63 Resp: 178081

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.2	9.6
100	3.6	2.1	6.3





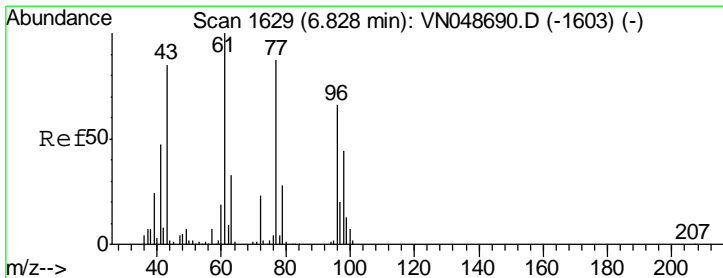
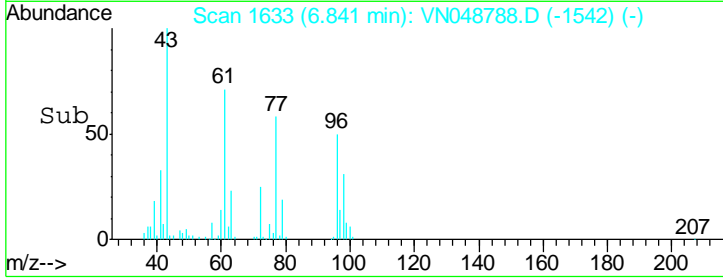
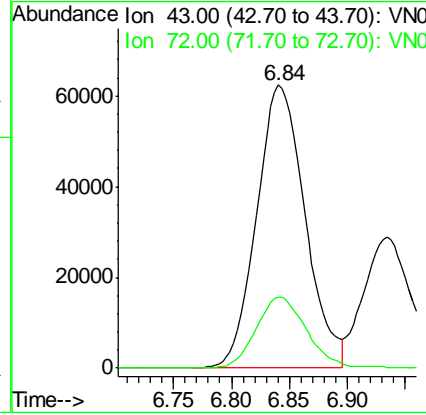
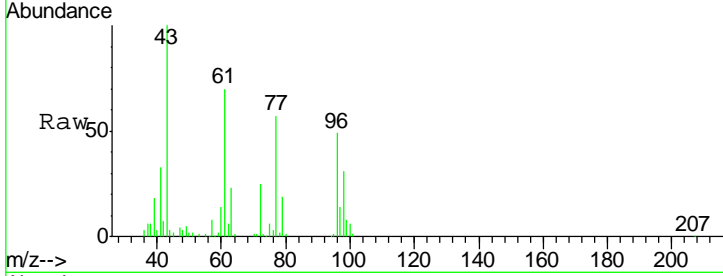
#25
 2-Butanone
 Concen: 108.42 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS01

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.2	20.8	31.2

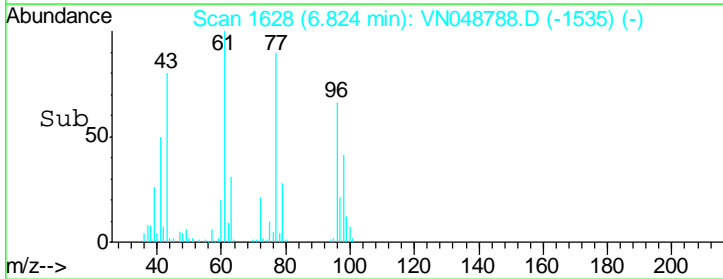
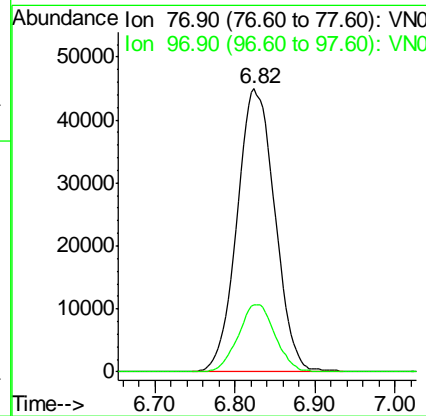
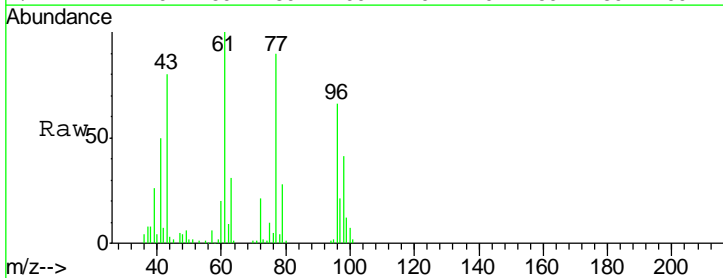
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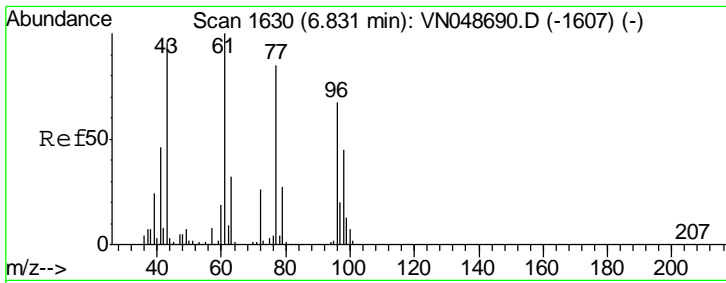
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#26
 2,2-Dichloropropane
 Concen: 20.97 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.2	11.9	35.5



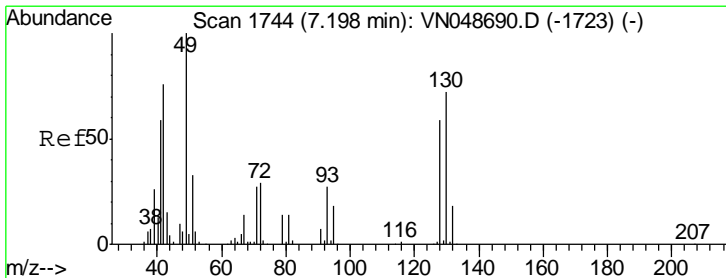
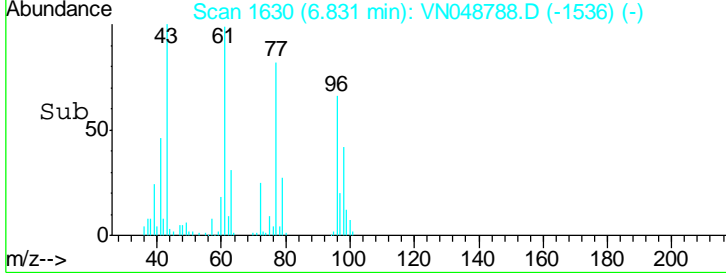
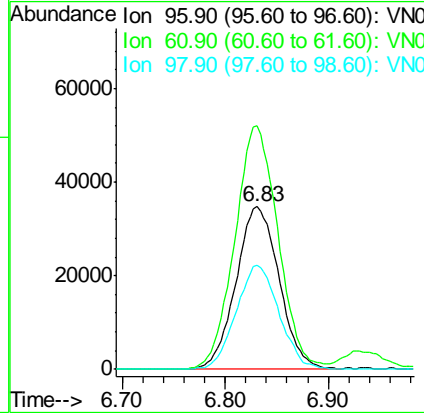
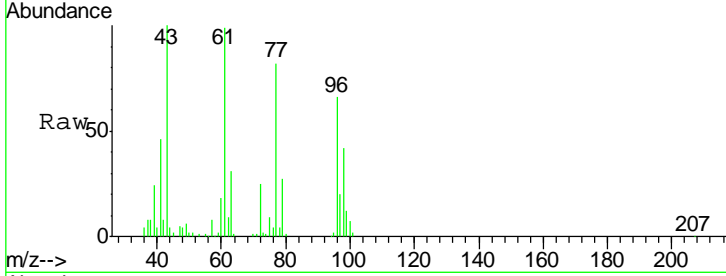


#27
 cis-1,2-Dichloroethene
 Concen: 21.36 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

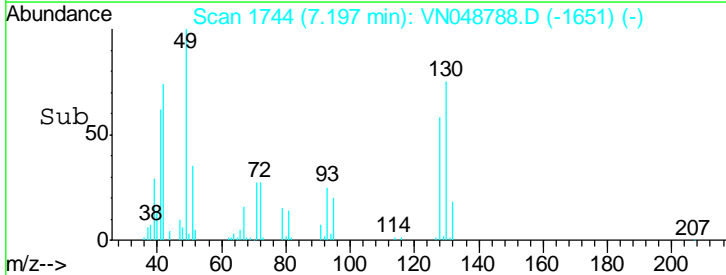
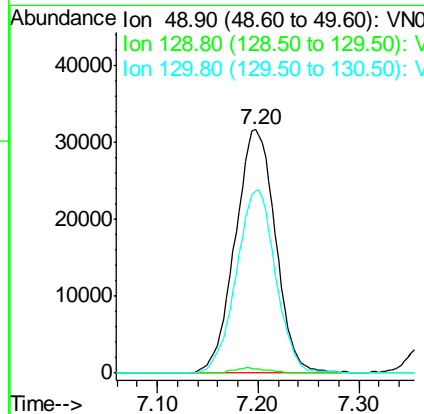
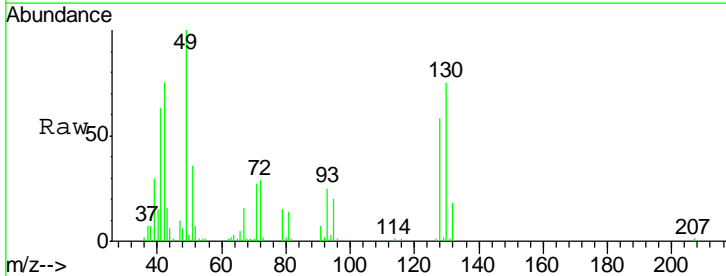
Tgt Ion	Resp	Lower	Upper
96	101136		
96	100		
61	150.0	0.0	292.6
98	63.5	0.0	128.2

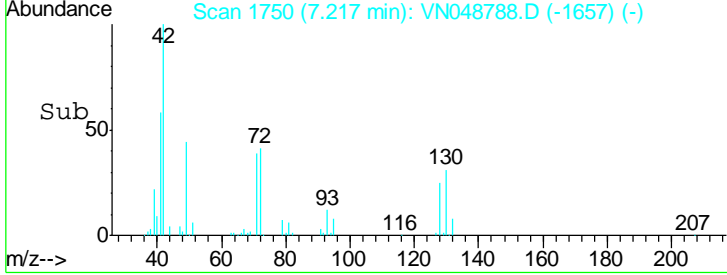
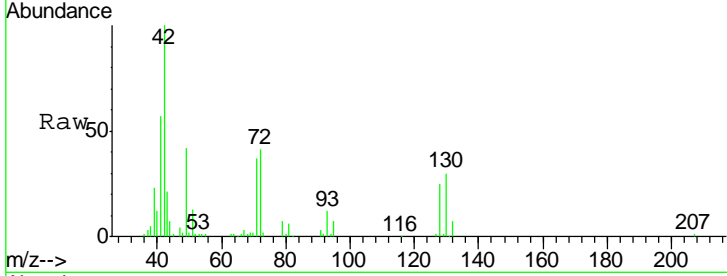
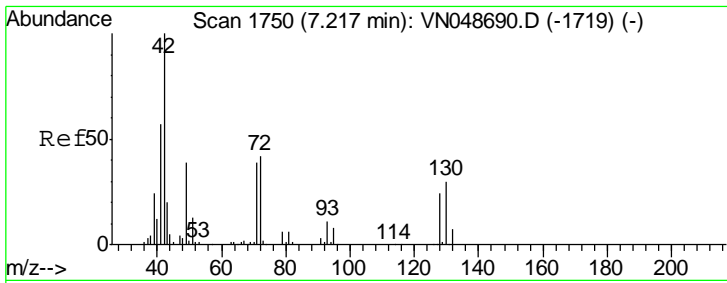
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#28
 Bromochloromethane
 Concen: 23.26 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
49	87668		
49	100		
129	1.7	0.0	3.8
130	72.9	64.2	96.2





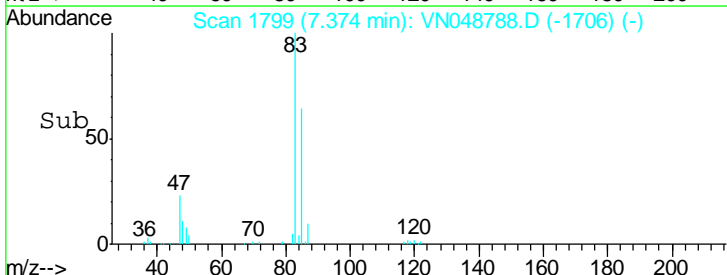
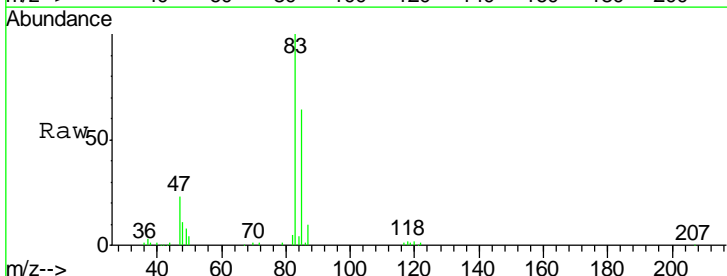
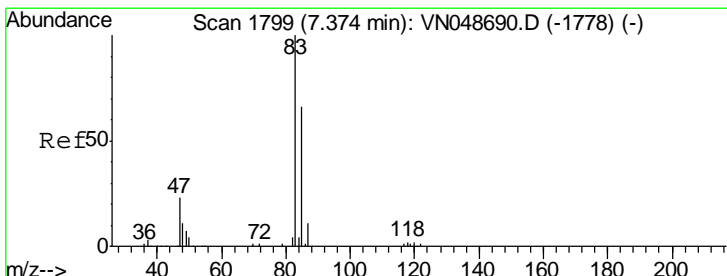
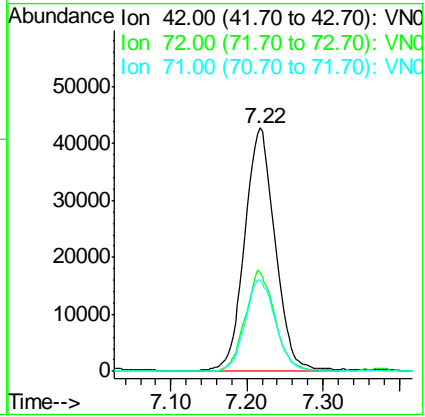
#29
 Tetrahydrofuran
 Concen: 106.90 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion: 42 Resp: 119696

Ion	Ratio	Lower	Upper
42	100		
72	39.8	34.2	51.4
71	37.2	31.8	47.8

Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

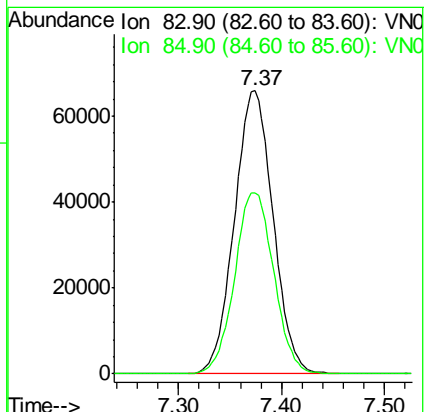
Manual Integrations
APPROVED
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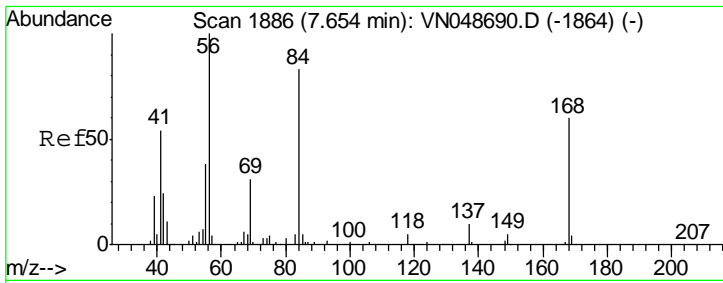


#30
 Chloroform
 Concen: 21.61 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion: 83 Resp: 171966

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7





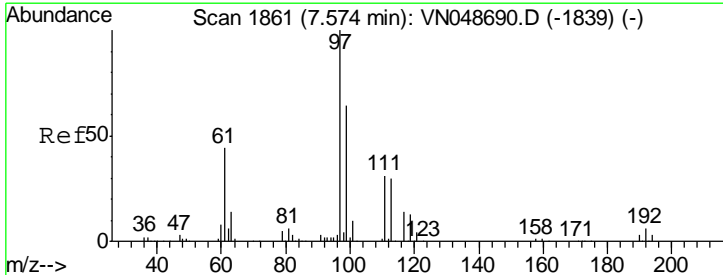
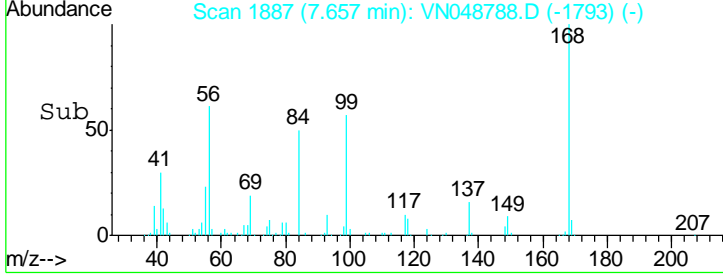
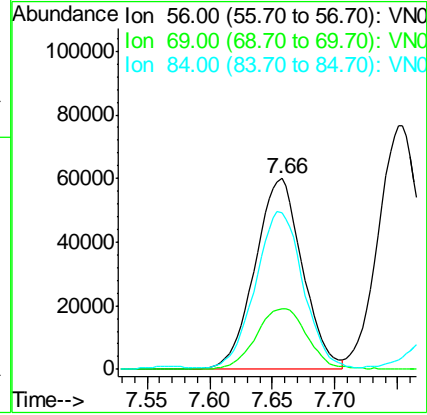
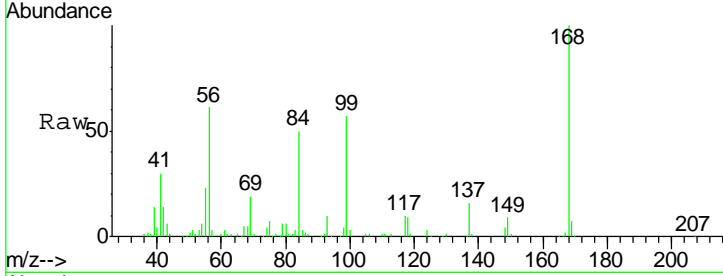
#31
 Cyclohexane
 Concen: 20.78 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 Client Sampled : VN0531WBS01

Tgt Ion	Resp	Lower	Upper
56	157974		
56	100		
69	31.7	25.6	38.4
84	80.9	67.5	101.3

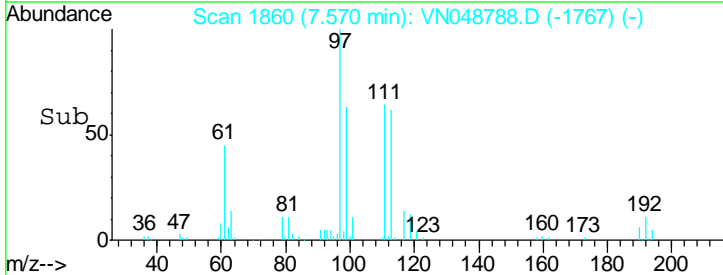
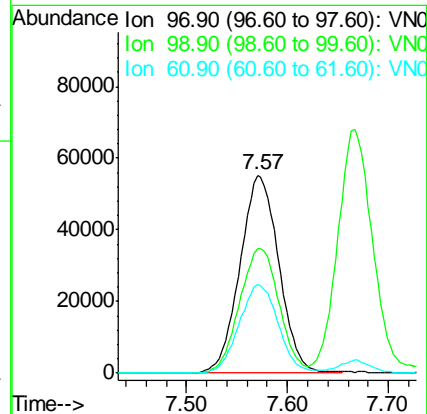
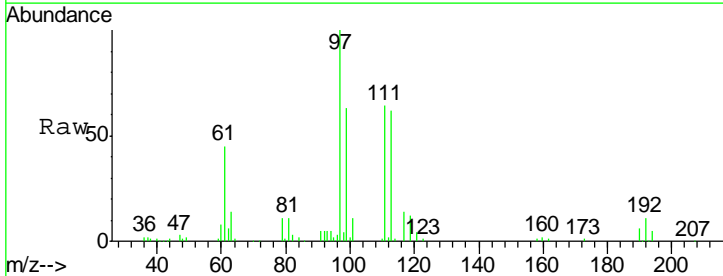
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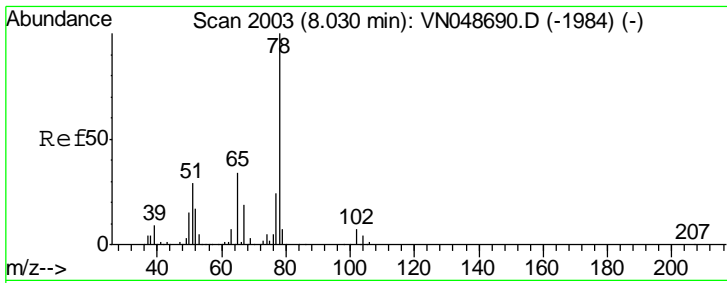
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#32
 1,1,1-Trichloroethane
 Concen: 21.29 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

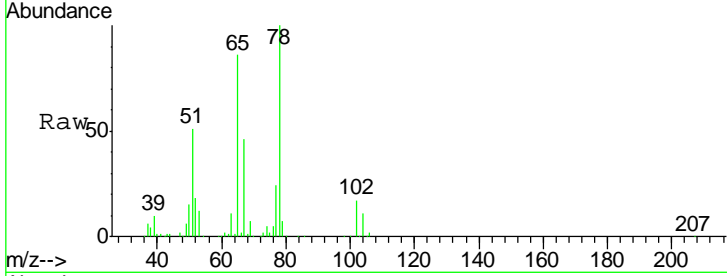
Tgt Ion	Resp	Lower	Upper
97	147525		
97	100		
99	64.1	51.4	77.2
61	44.9	34.2	51.2





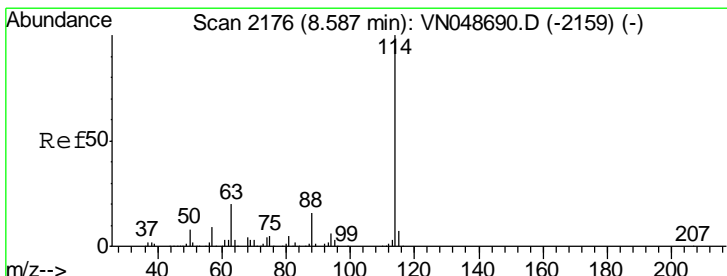
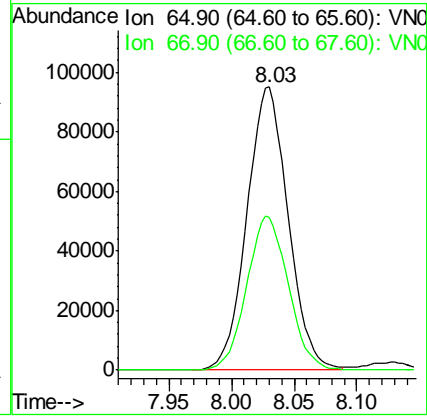
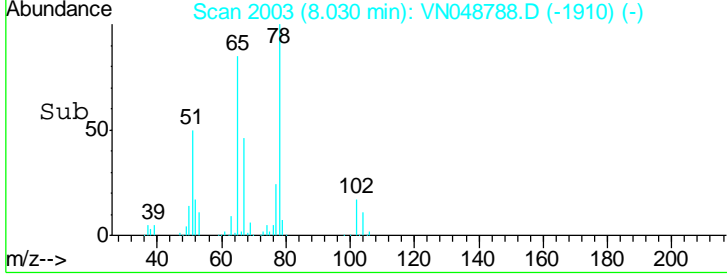
#33
 1,2-Dichloroethane-d4
 Concen: 49.62 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS01

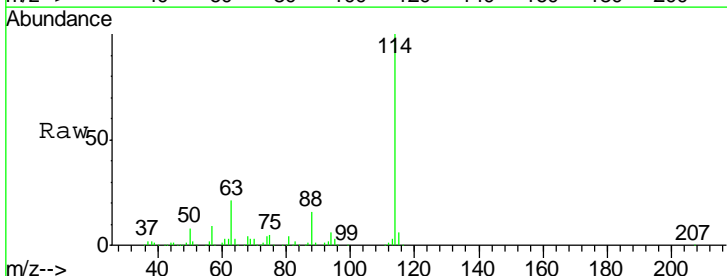


Tgt Ion: 65 Resp: 217447
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 108.4

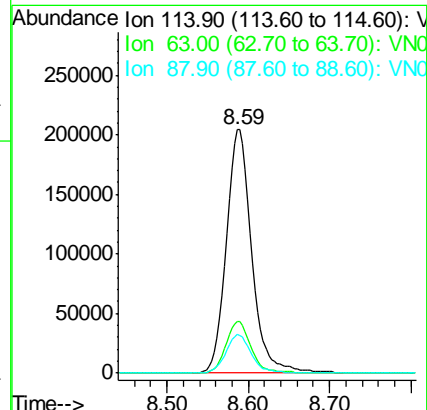
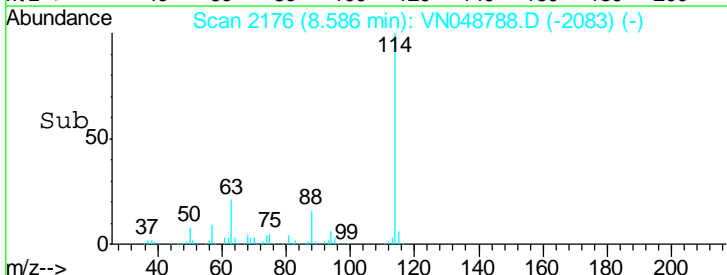
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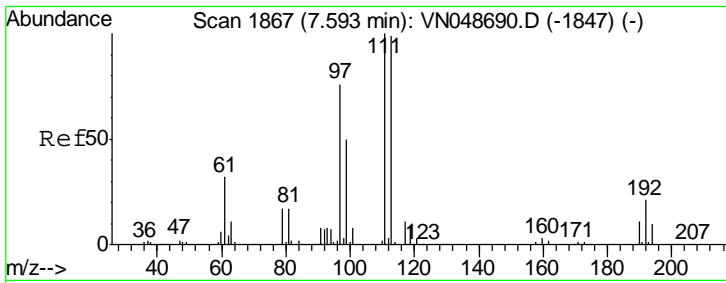


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45



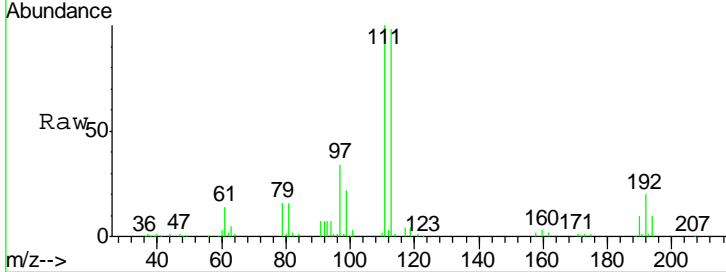
Tgt Ion: 114 Resp: 451219
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.0
 88 15.7 0.0 31.0





#35
 Dibromofluoromethane
 Concen: 52.75 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

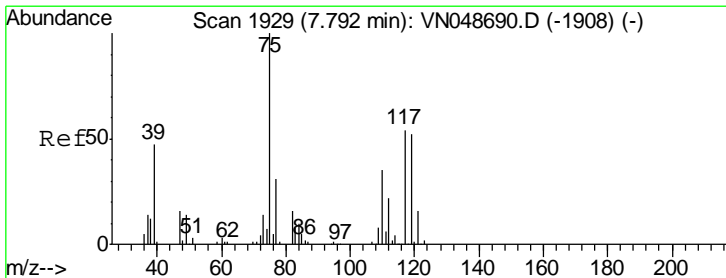
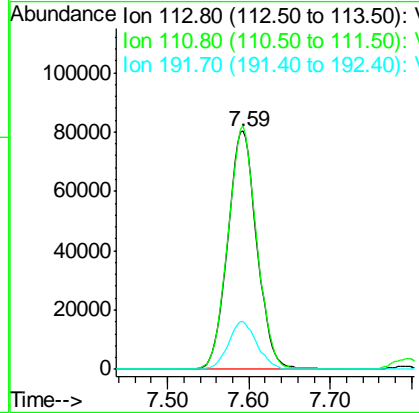
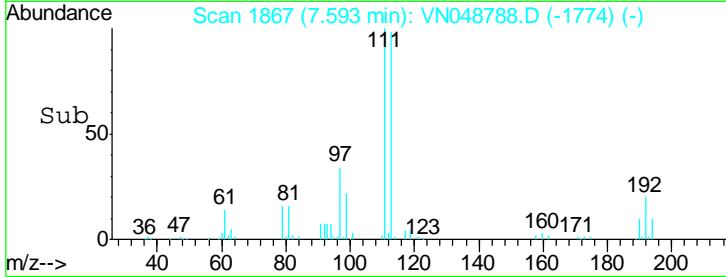
Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS01



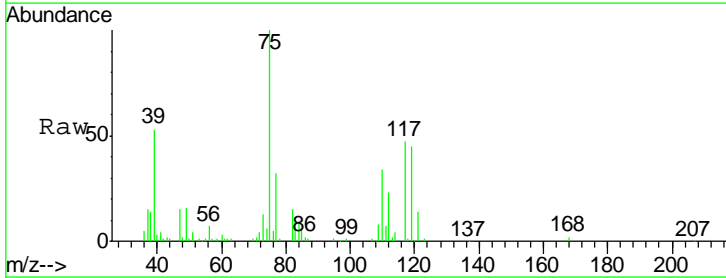
Tgt Ion: 113 Resp: 201600

Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.7	122.5
192	19.5	17.6	26.4

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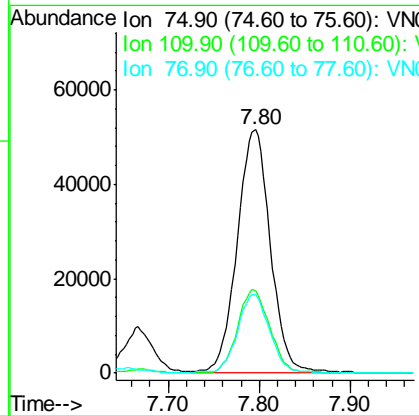
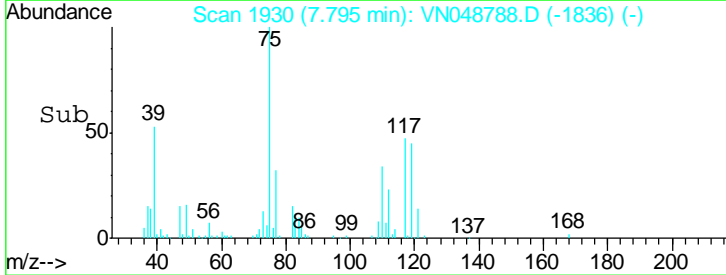


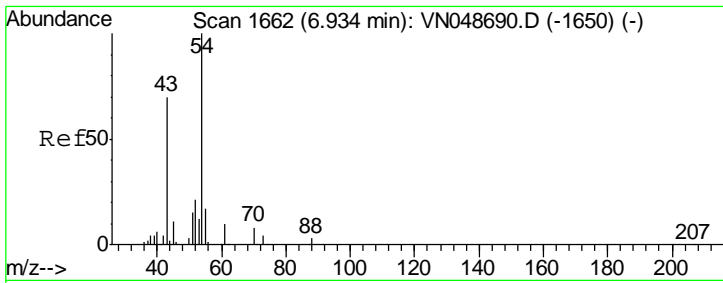
#36
 1,1-Dichloropropene
 Concen: 20.82 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45



Tgt Ion: 75 Resp: 129857

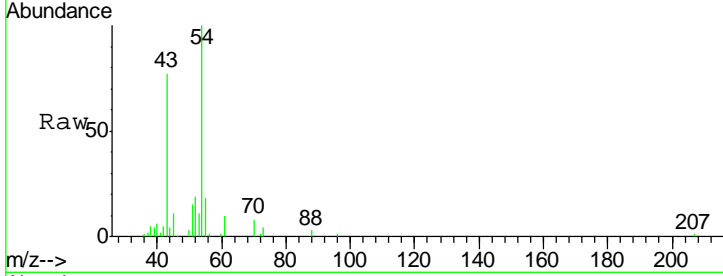
Ion	Ratio	Lower	Upper
75	100		
110	33.7	18.4	55.0
77	31.3	25.0	37.4





#37
 Ethyl Acetate
 Concen: 23.02 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

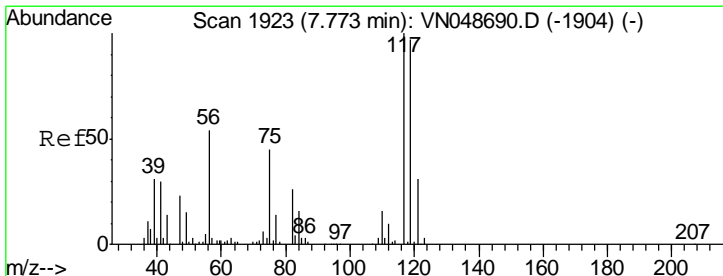
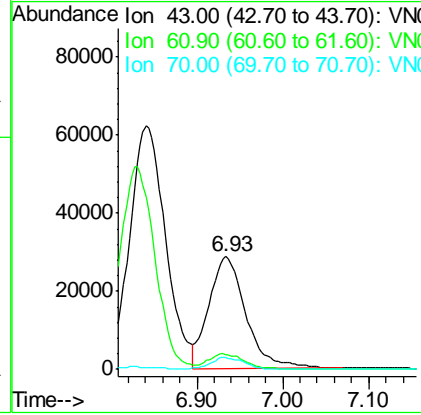
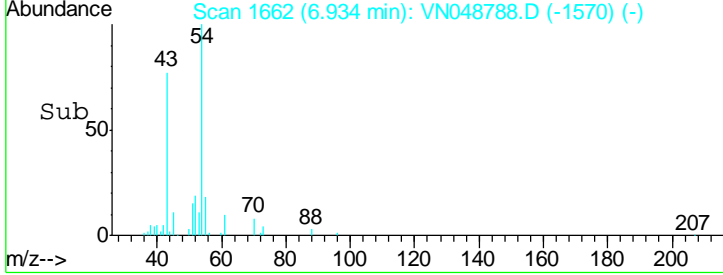
Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS01



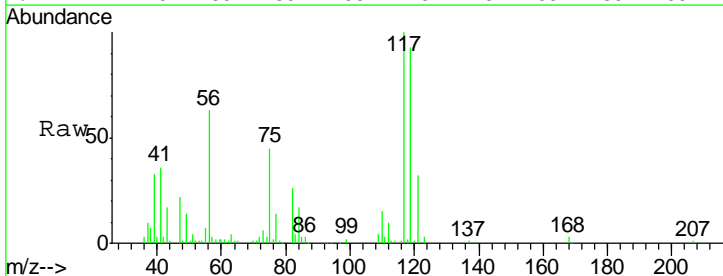
Tgt Ion: 43 Resp: 85965

Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.4	17.2
70	9.6	8.6	12.8

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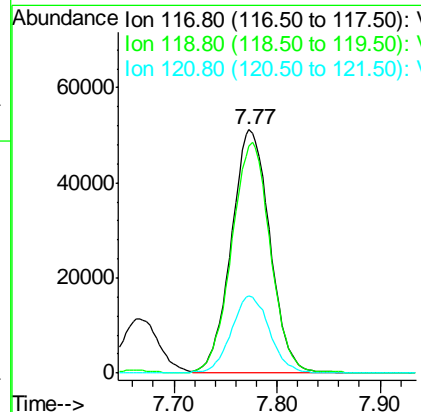
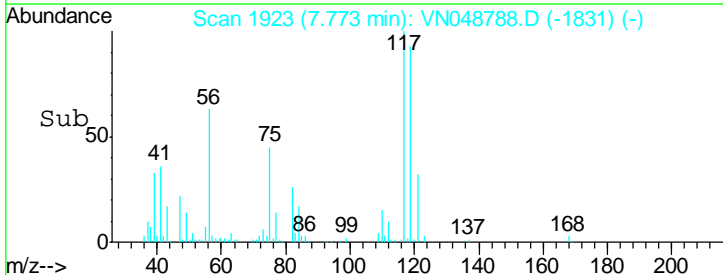


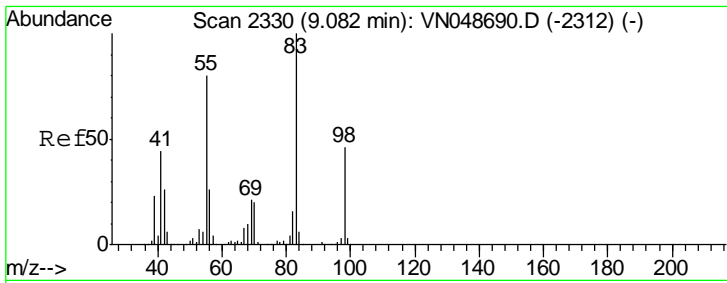
#38
 Carbon Tetrachloride
 Concen: 20.91 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45



Tgt Ion: 117 Resp: 133217

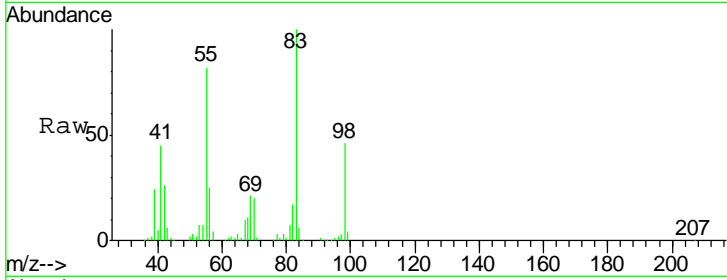
Ion	Ratio	Lower	Upper
117	100		
119	92.7	78.0	117.0
121	31.7	24.5	36.7





#39
 Methylcyclohexane
 Concen: 20.29 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

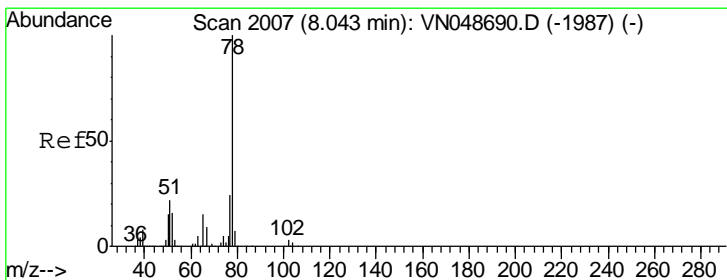
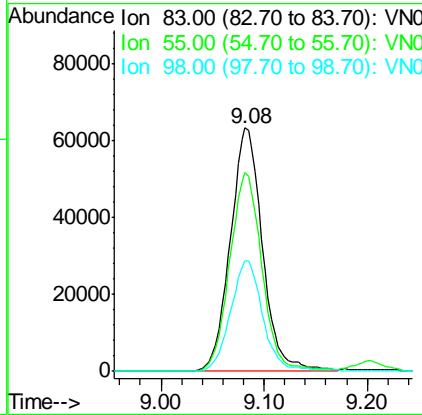
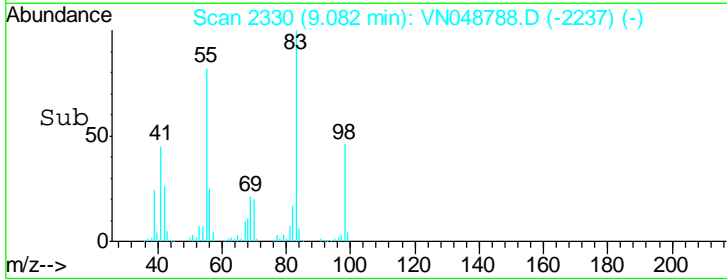
Instrument : MSVOA_N
 Client Sampled : VN0531WBS01



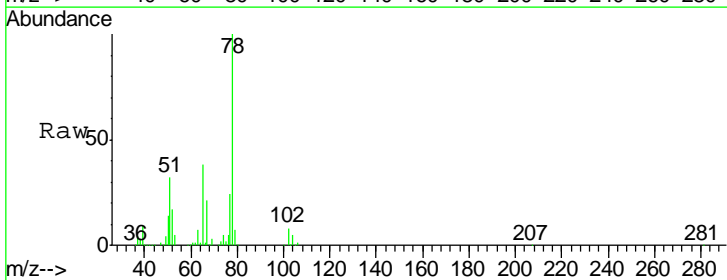
Tgt Ion: 83 Resp: 137559

Ion	Ratio	Lower	Upper
83	100		
55	81.6	61.7	92.5
98	45.5	36.8	55.2

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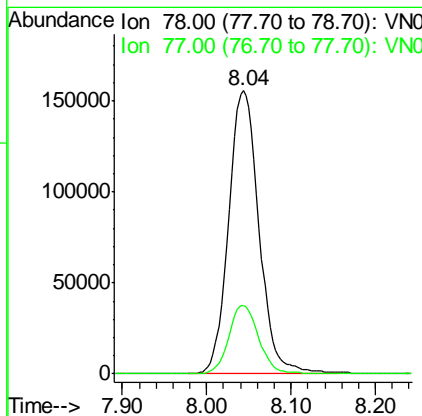
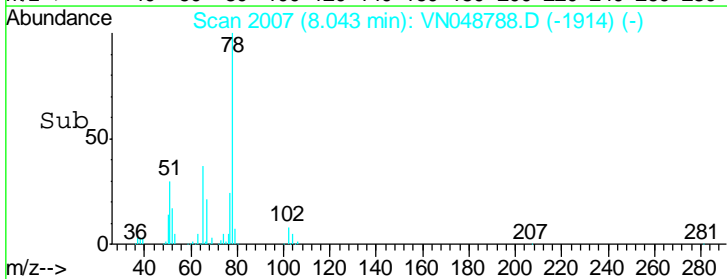


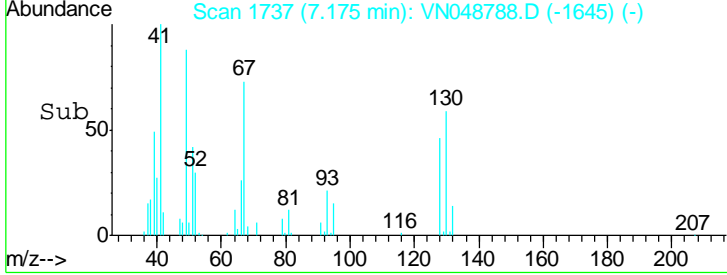
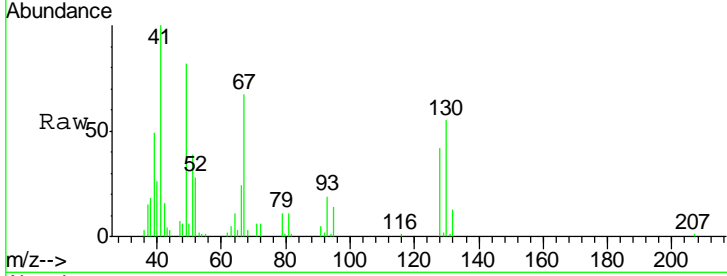
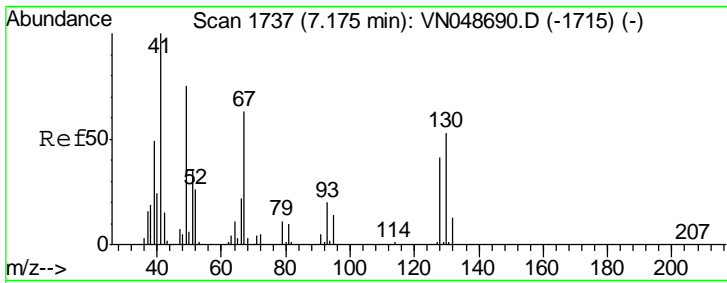
#40
 Benzene
 Concen: 21.48 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45



Tgt Ion: 78 Resp: 390758

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1



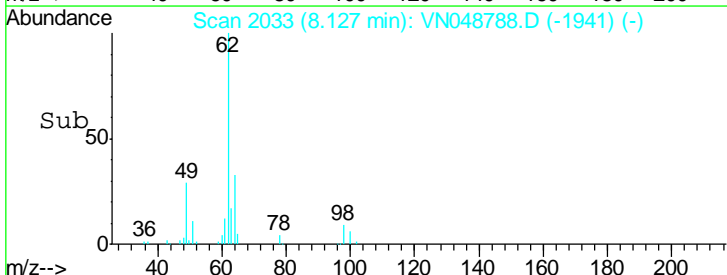
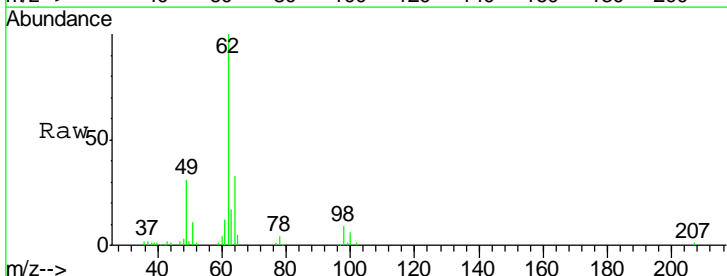
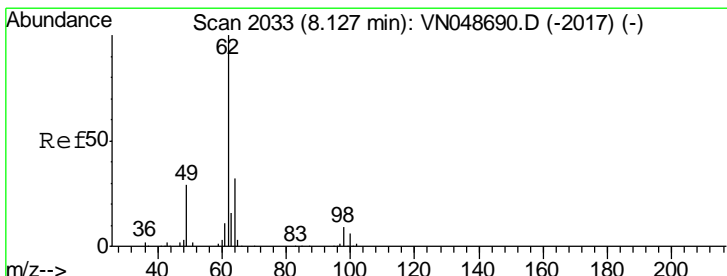
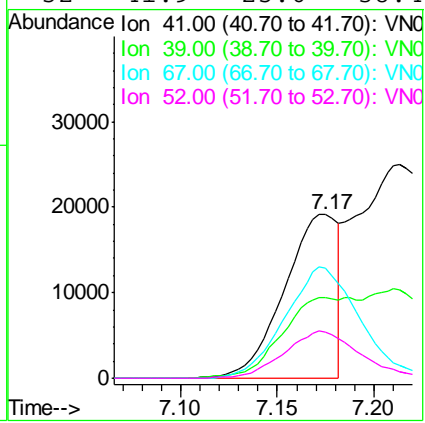


#41
 Methacrylonitrile
 Concen: 17.78 ug/l
 RT: 7.17 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
41	100		
39	51.5	47.4	71.2
67	95.7	62.4	93.6#
52	41.9	25.6	38.4#

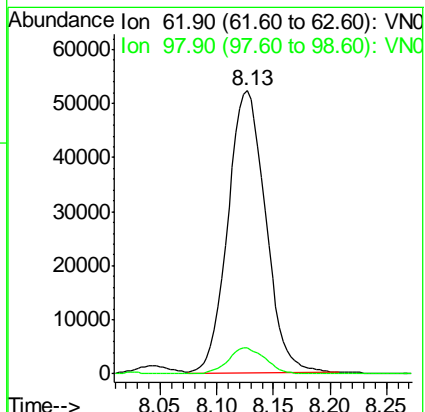
Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

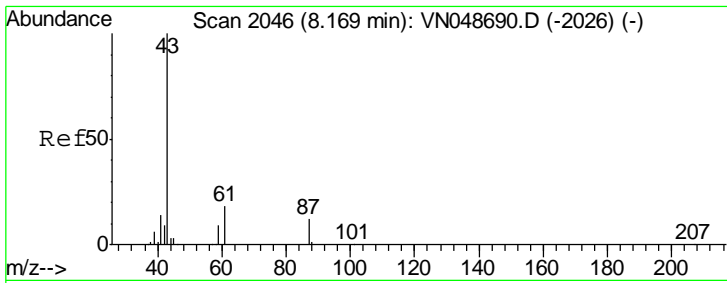
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#42
 1,2-Dichloroethane
 Concen: 21.30 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.2	0.0	18.2





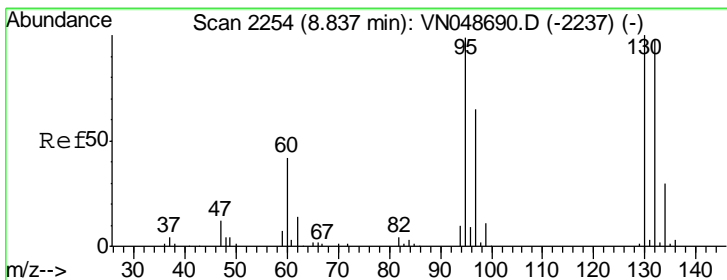
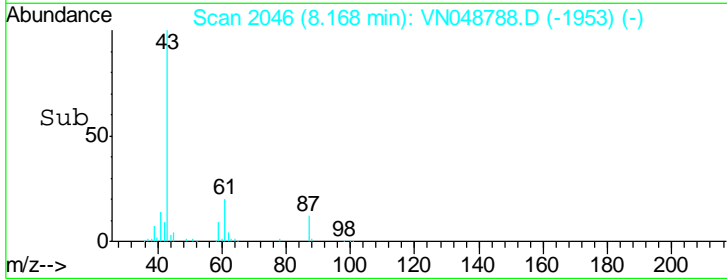
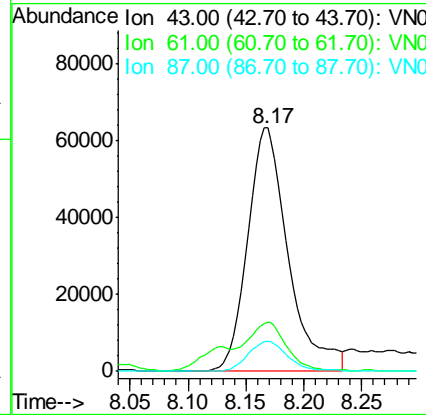
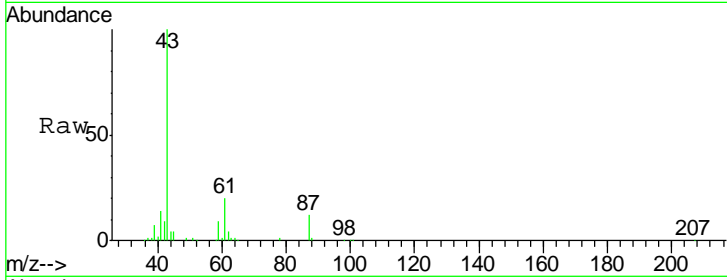
#43
 Isopropyl Acetate
 Concen: 22.42 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS01

Tgt Ion	Resp	Lower	Upper
43	154471		
61	17.6	22.2	33.2#
87	12.1	10.6	15.8

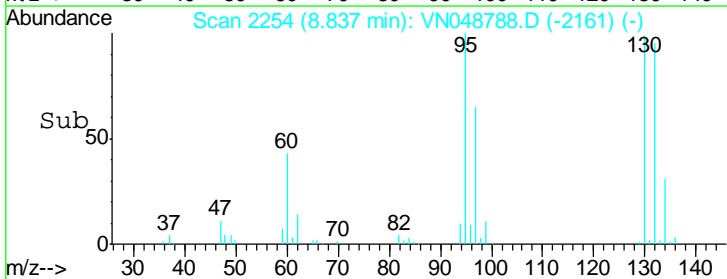
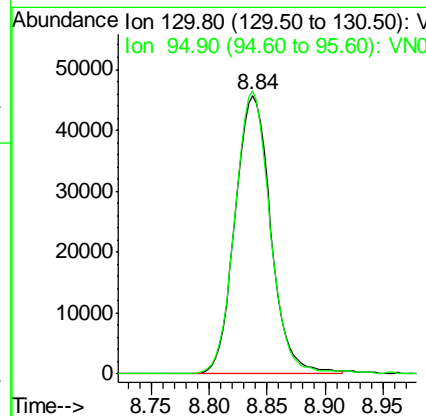
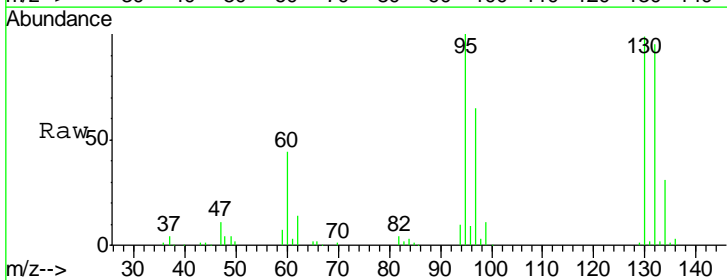
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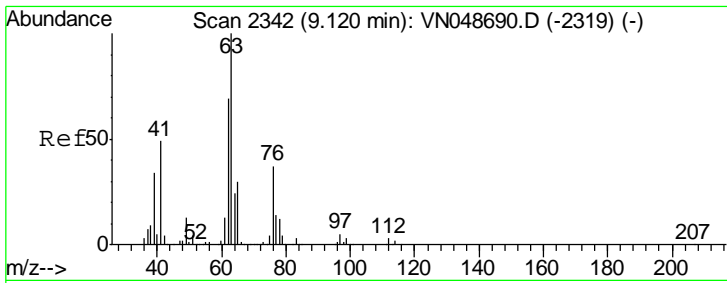
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#44
 Trichloroethene
 Concen: 20.95 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
130	98104		
95	101.5	0.0	191.6



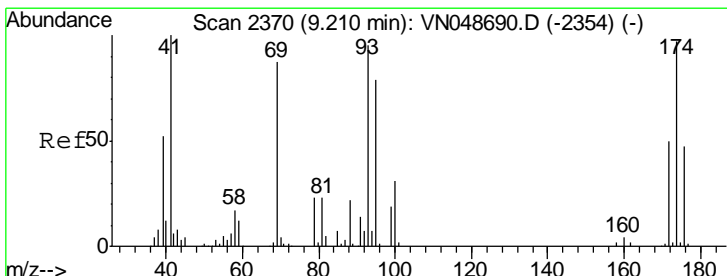
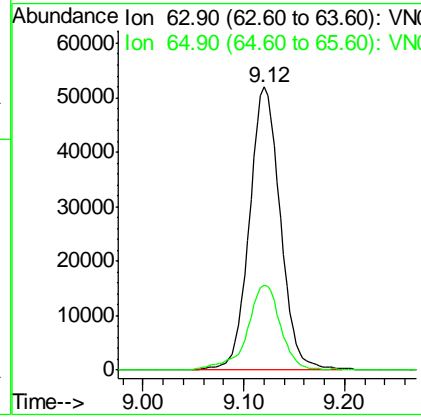
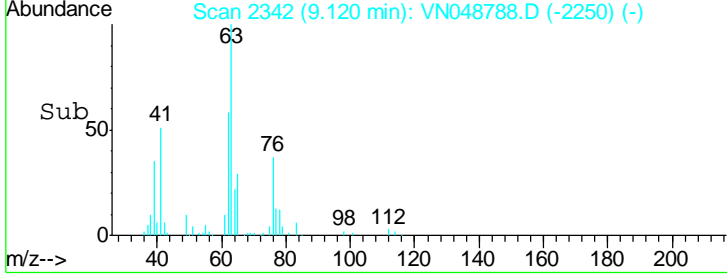
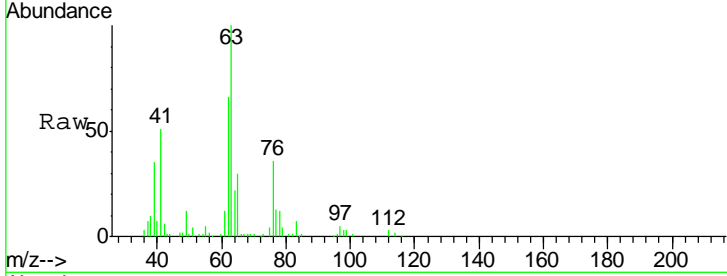


#45
 1,2-Dichloropropane
 Concen: 22.25 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
63	110176		
65	29.9	23.9	35.9

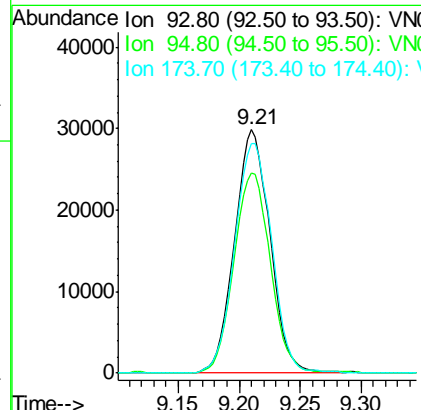
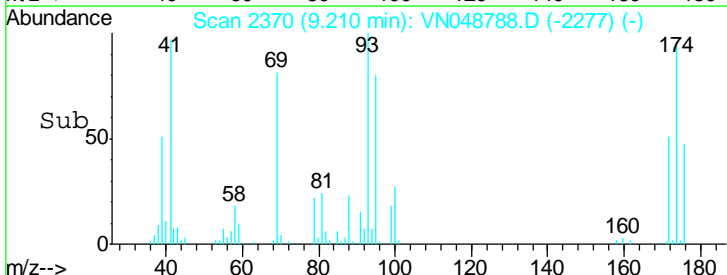
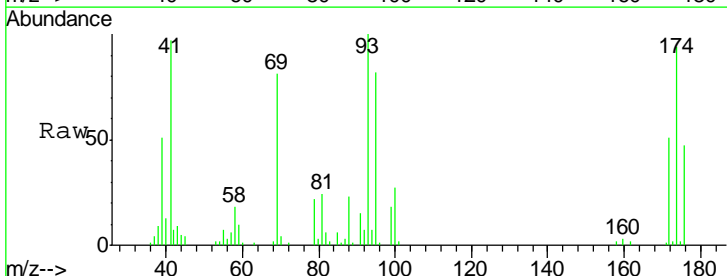
Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

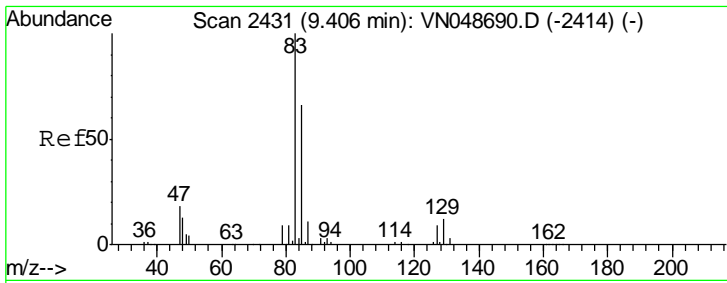
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#46
 Dibromomethane
 Concen: 21.72 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

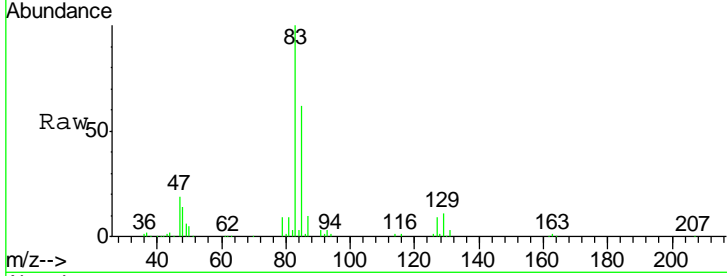
Tgt Ion	Resp	Lower	Upper
93	60303		
95	84.8	66.7	100.1
174	98.1	87.7	131.5





#47
 Bromodichloromethane
 Concen: 21.12 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

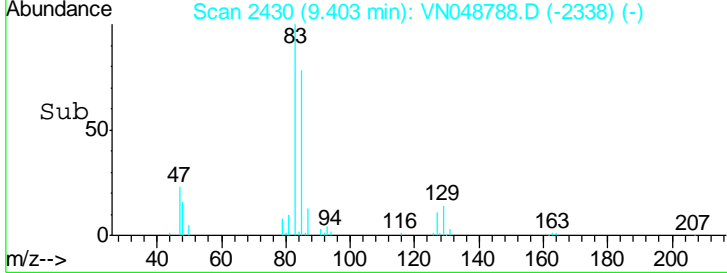
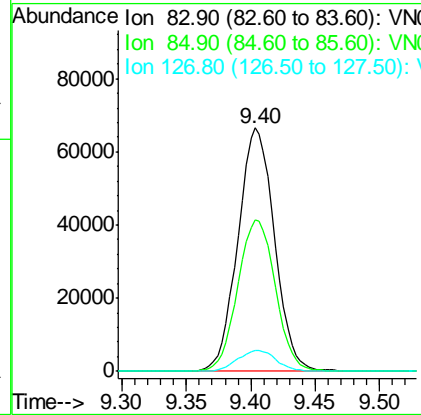
Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS01



Tgt Ion: 83 Resp: 131252

Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.1	78.1
127	8.8	7.3	10.9

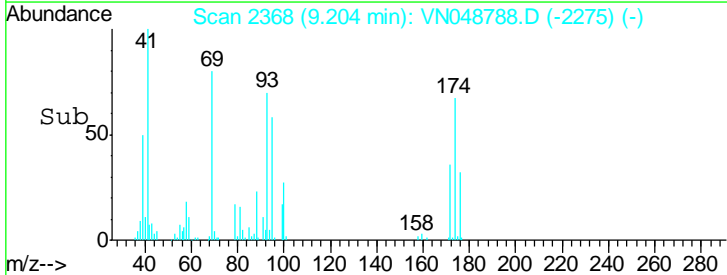
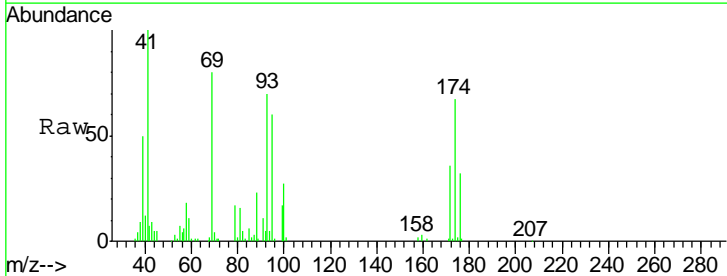
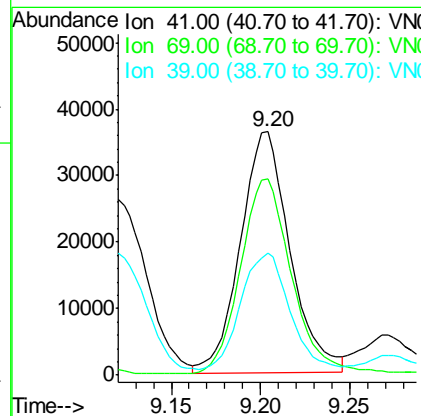
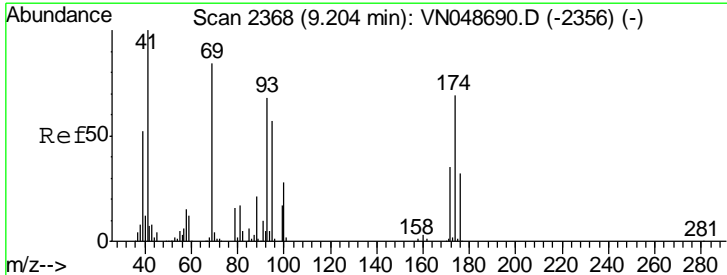
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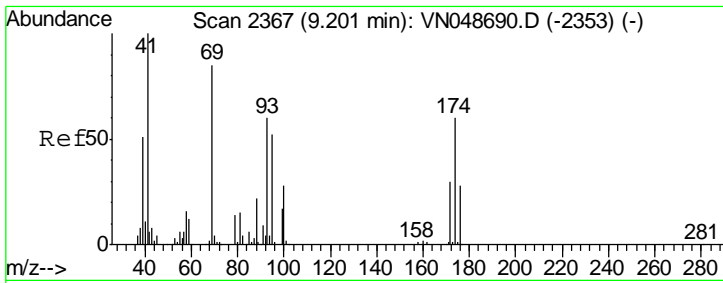


#48
 Methyl methacrylate
 Concen: 21.30 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion: 41 Resp: 70889

Ion	Ratio	Lower	Upper
41	100		
69	83.2	68.6	103.0
39	51.8	42.3	63.5



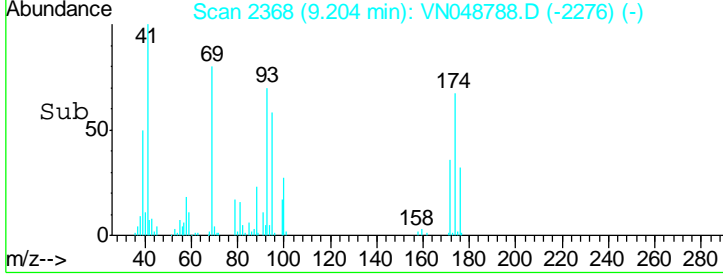
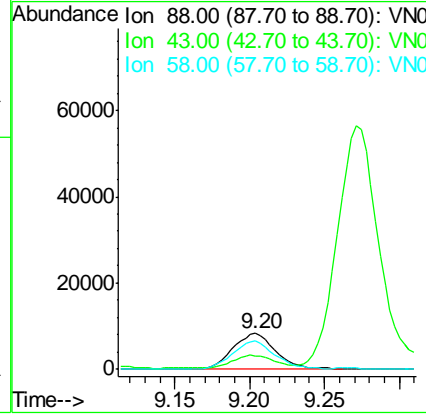
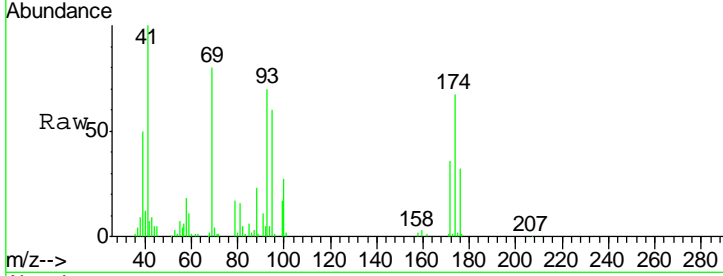


#49
 1,4-Dioxane
 Concen: 415.64 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS01

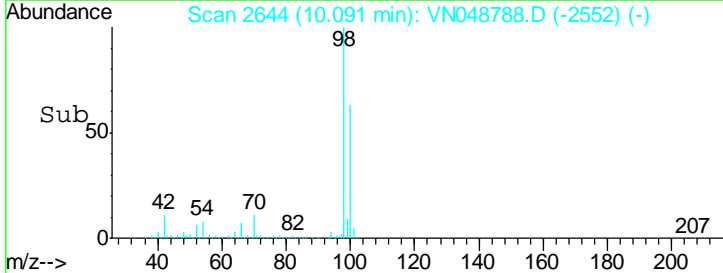
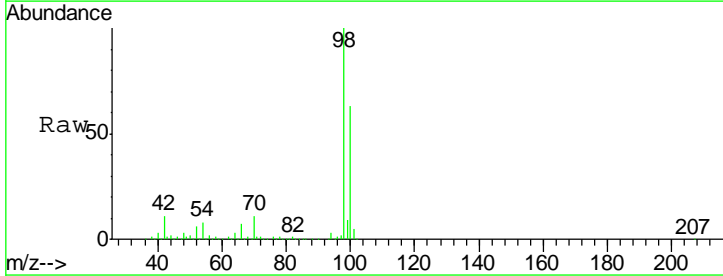
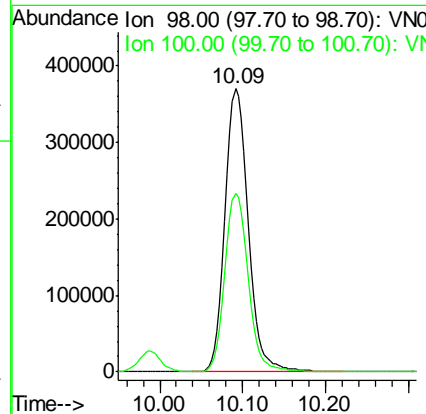
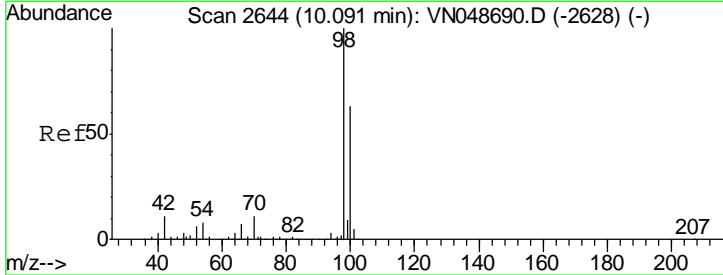
Tgt Ion	Resp	Lower	Upper
88	16756		
88	100		
43	33.2	27.6	41.4
58	79.0	57.0	85.6

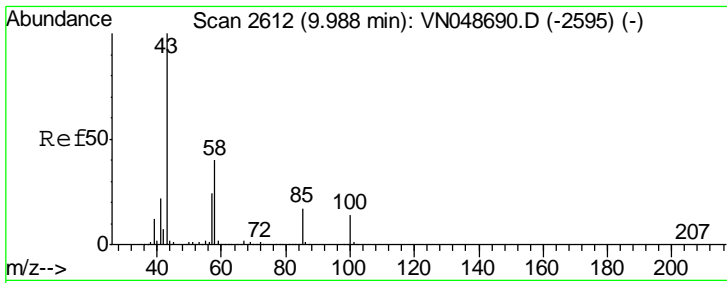
Manual Integrations
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#50
 Toluene-d8
 Concen: 51.07 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
98	721473		
98	100		
100	63.5	51.2	76.8



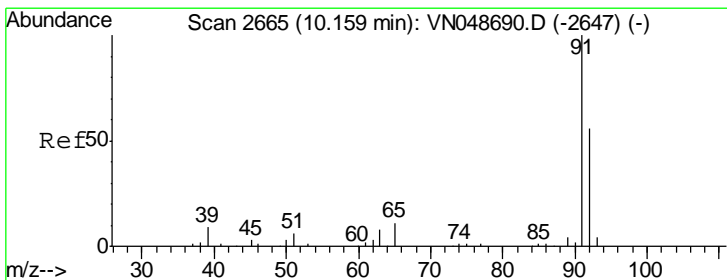
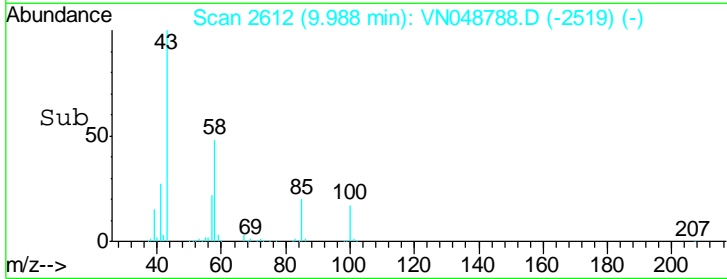
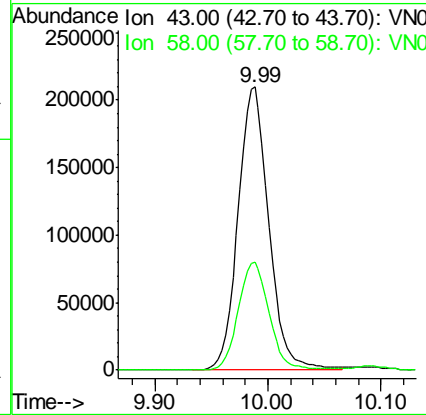
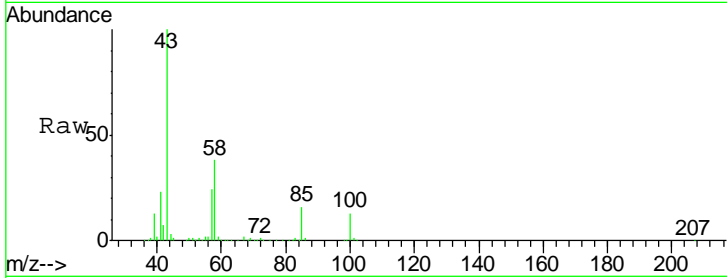


#51
 4-Methyl-2-Pentanone
 Concen: 108.90 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.5	31.0	46.6

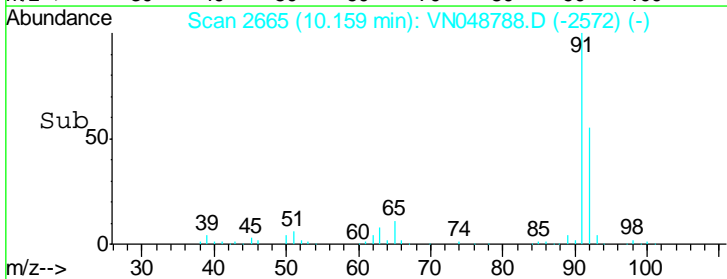
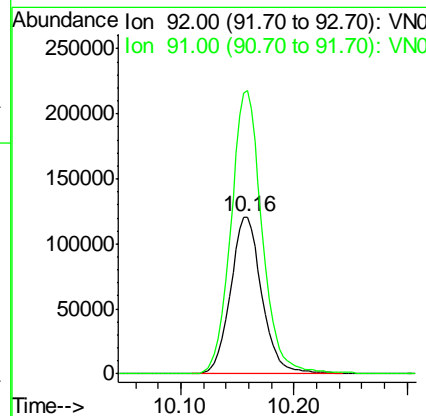
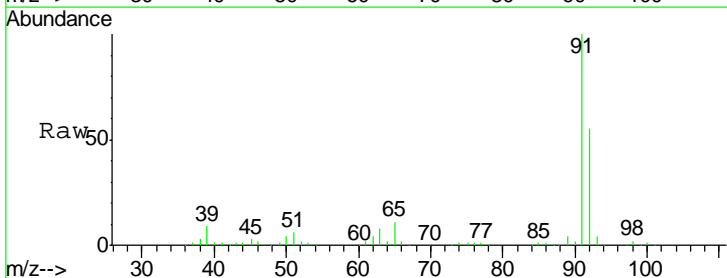
Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

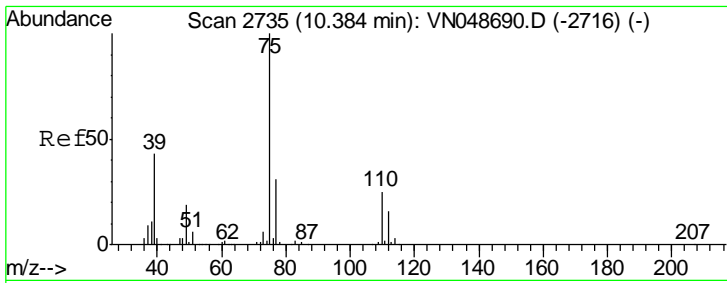
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#52
 Toluene
 Concen: 21.63 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
92	100		
91	180.0	141.0	211.4



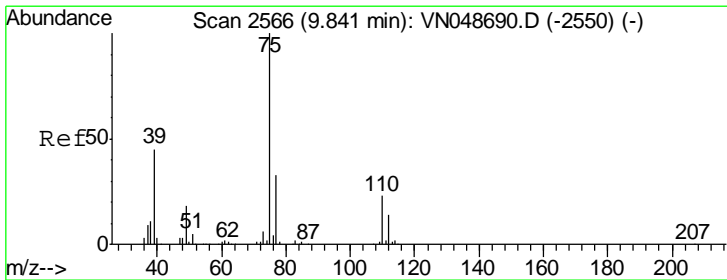
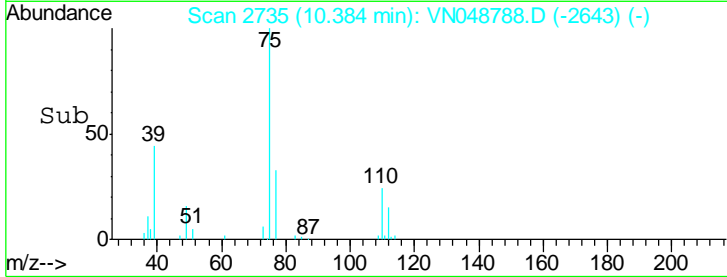
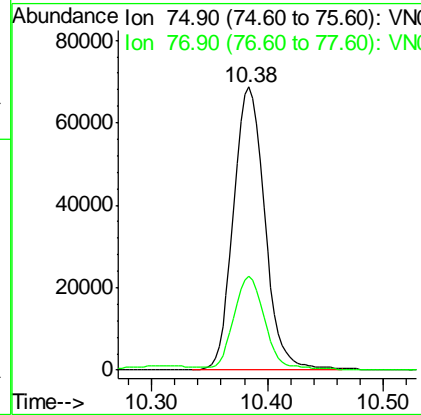
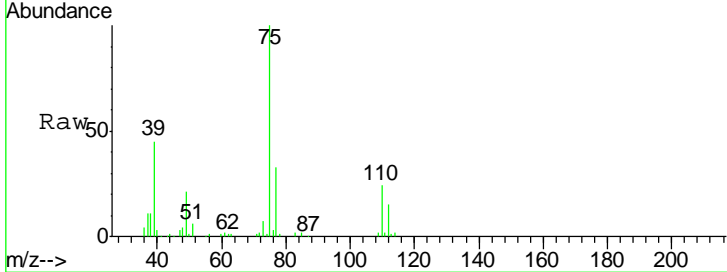


#53
 t-1,3-Dichloropropene
 Concen: 20.57 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 Client Sampled : VN0531WBS01

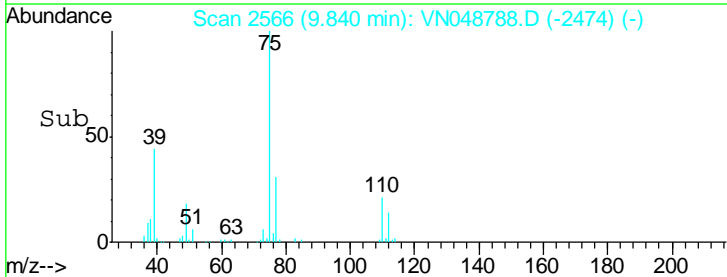
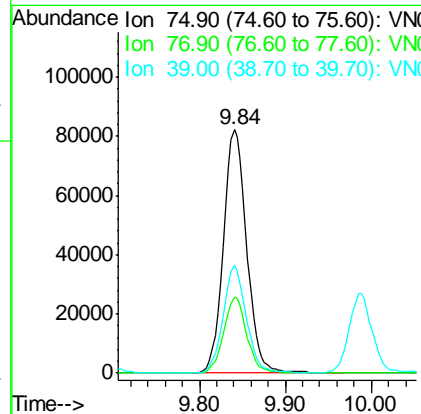
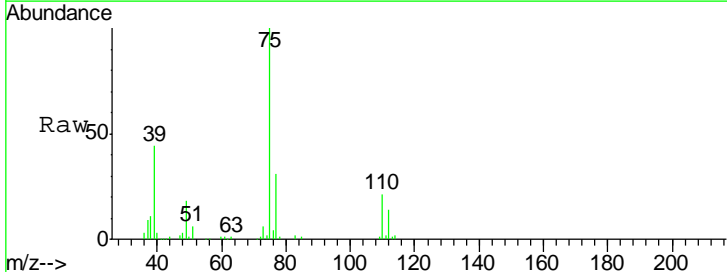
Tgt Ion	Resp	Lower	Upper
75	128481		
75	100		
77	32.9	24.9	37.3

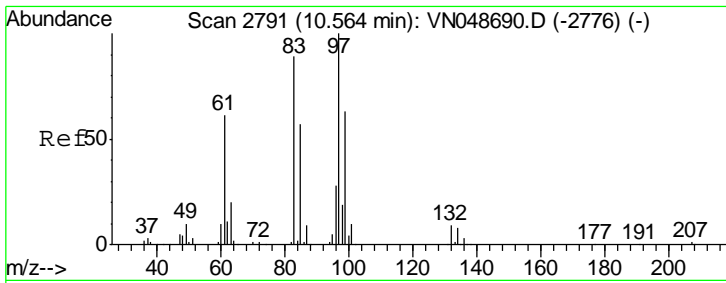
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#54
 cis-1,3-Dichloropropene
 Concen: 21.35 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

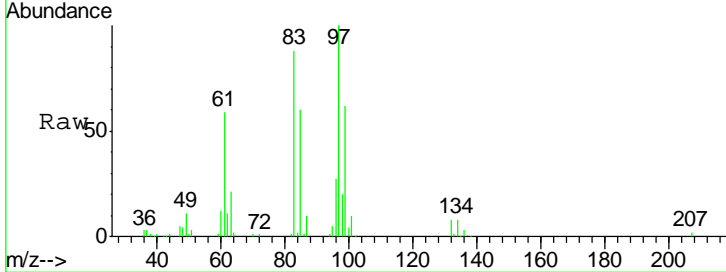
Tgt Ion	Resp	Lower	Upper
75	155095		
75	100		
77	31.0	25.1	37.7
39	44.1	36.7	55.1





#55
 1,1,2-Trichloroethane
 Concen: 21.94 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

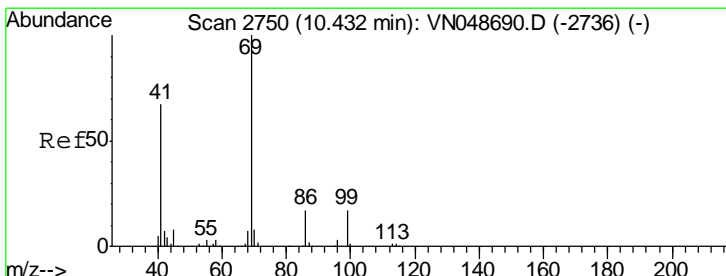
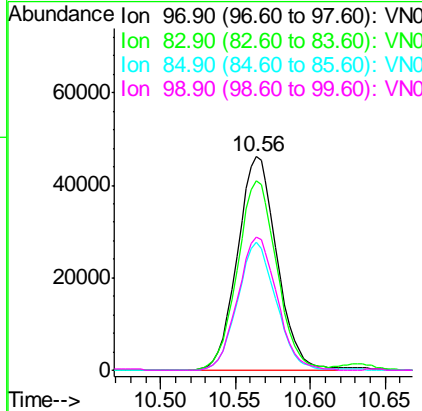
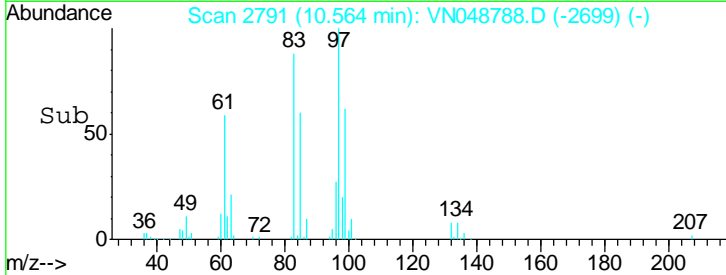
Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS01



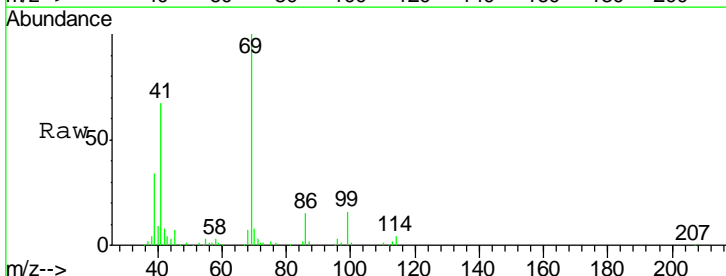
Tgt Ion: 97 Resp: 84605

Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.7	103.1
85	59.7	43.4	65.2
99	62.5	49.6	74.4

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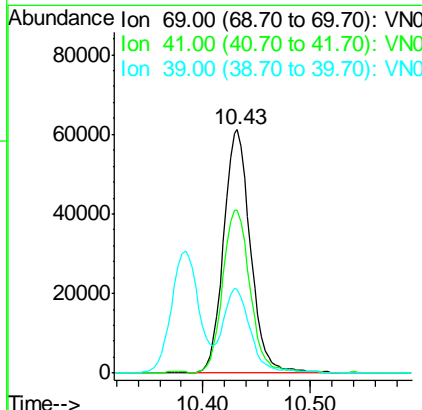
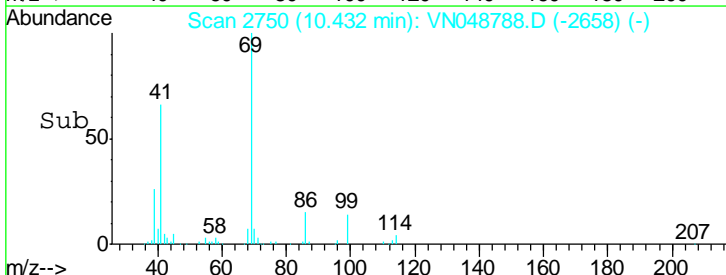


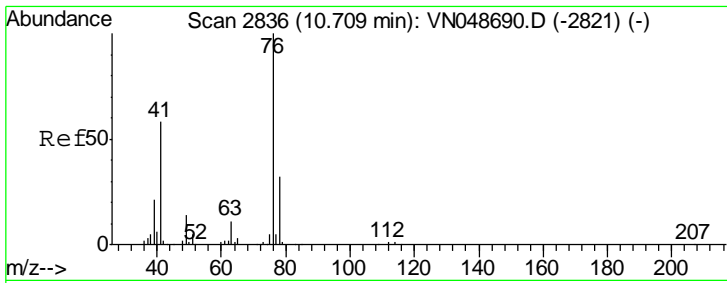
#56
 Ethyl methacrylate
 Concen: 20.43 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45



Tgt Ion: 69 Resp: 106181

Ion	Ratio	Lower	Upper
69	100		
41	68.0	52.3	78.5
39	36.0	26.4	39.6



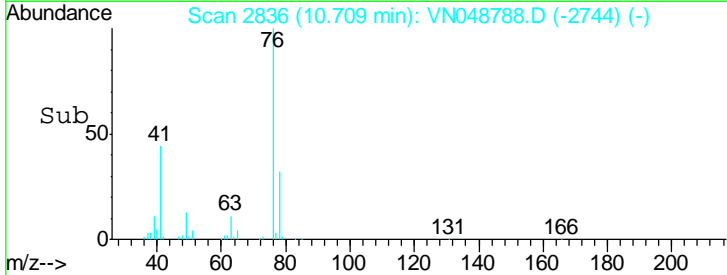
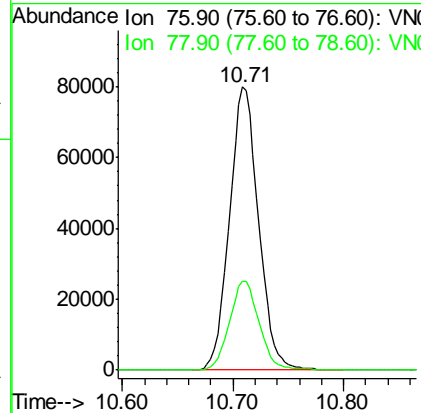
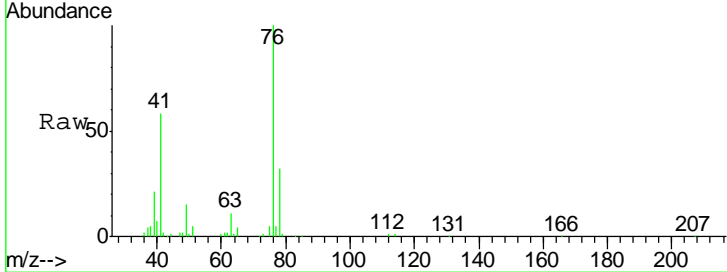


#57
 1,3-Dichloropropane
 Concen: 21.52 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
76	145711		
76	100		
78	32.2	25.7	38.5

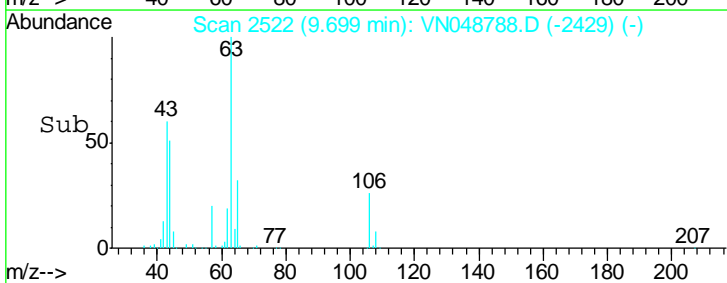
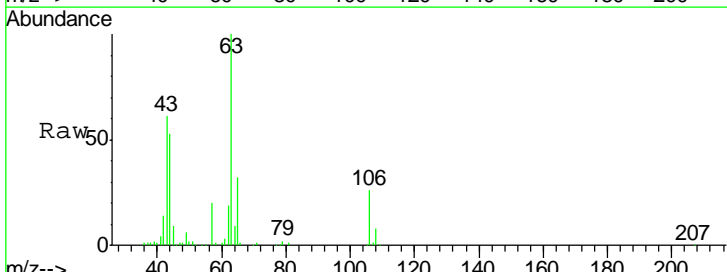
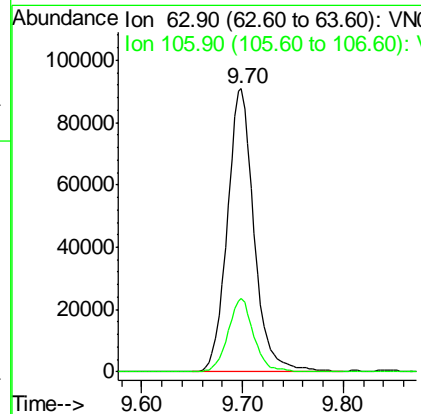
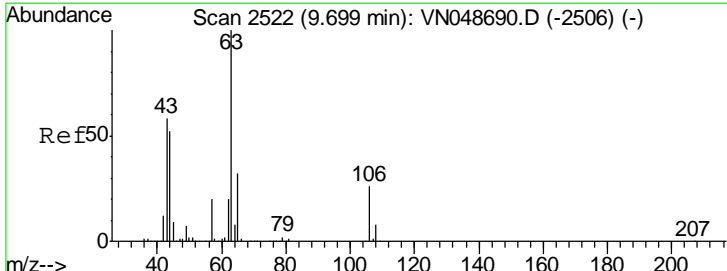
Instrument : MSVOA_N
 Client Sampled : VN0531WBS01

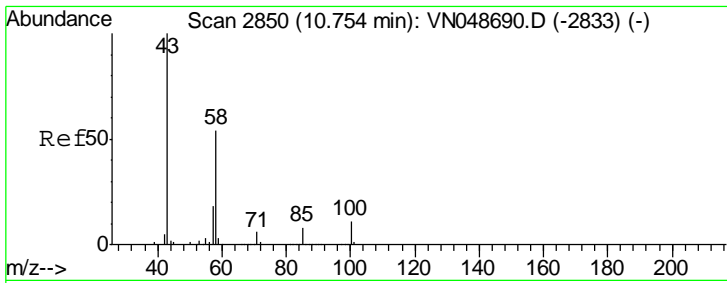
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#58
 2-Chloroethyl Vinyl ether
 Concen: 91.21 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
63	168571		
63	100		
106	24.8	21.3	31.9



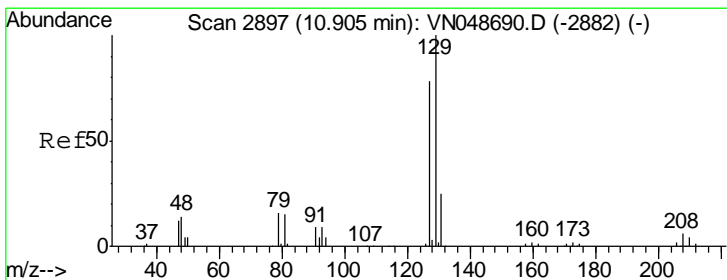
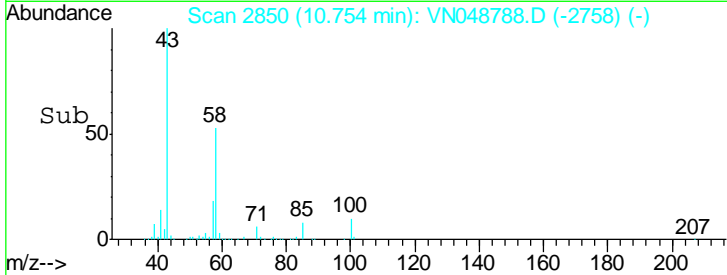
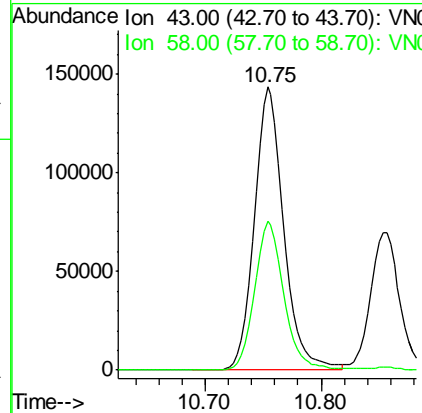
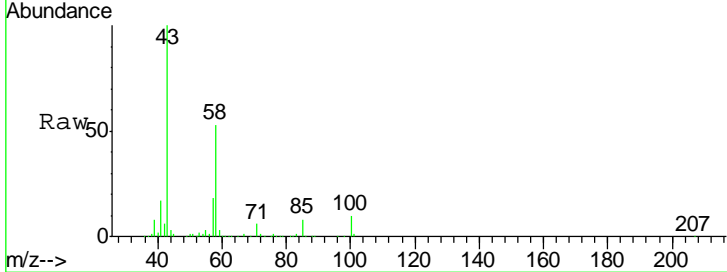


#59
 2-Hexanone
 Concen: 106.15 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

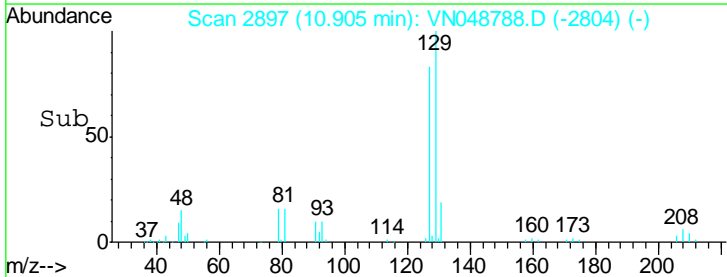
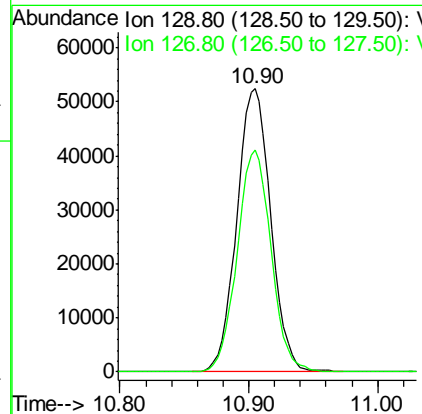
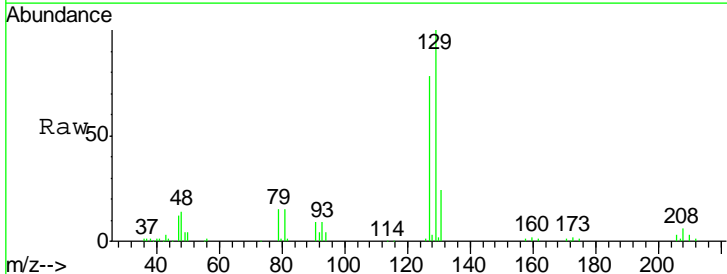
Tgt Ion	Resp	Lower	Upper
43	100		
58	52.3	27.4	82.0

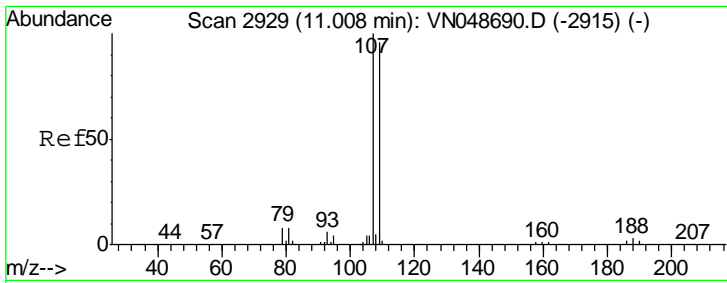
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#60
 Dibromochloromethane
 Concen: 21.20 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
129	100		
127	78.2	38.8	116.4





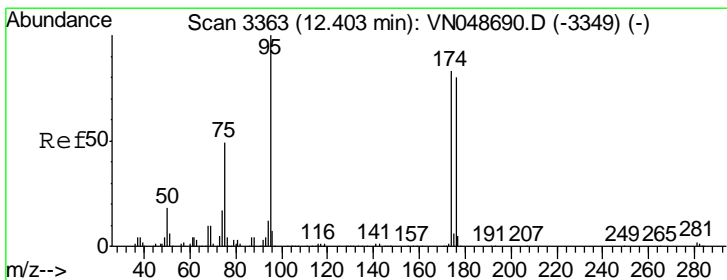
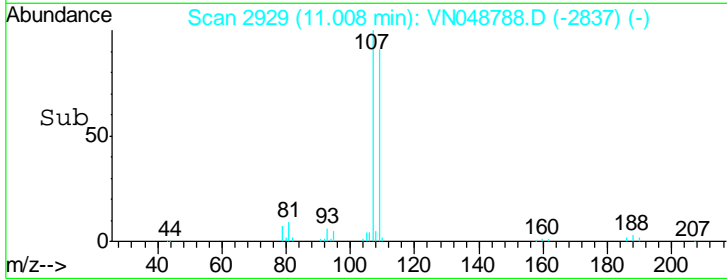
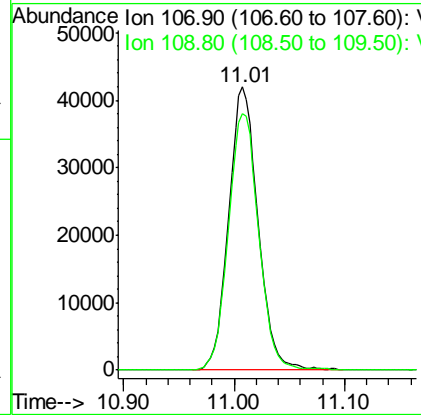
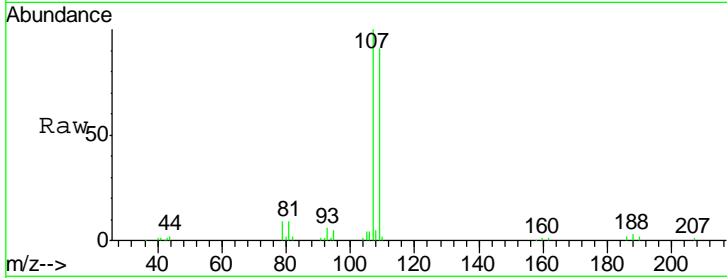
#61
 1,2-Dibromoethane
 Concen: 20.31 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

Tgt Ion	Resp	Lower	Upper
107	100		
109	93.2	74.4	111.6

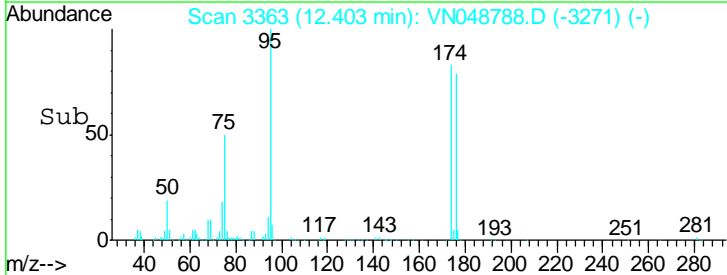
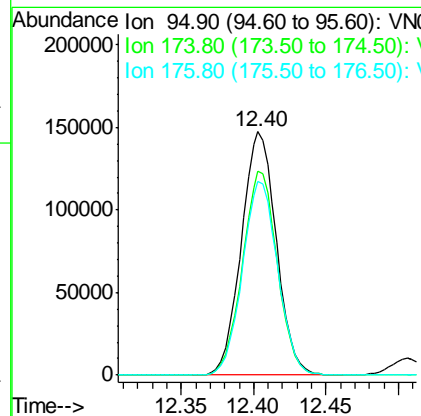
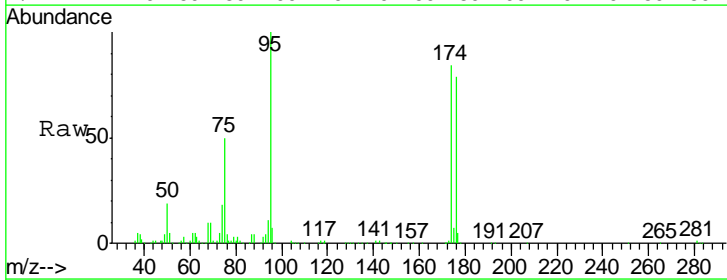
Manual Integrations
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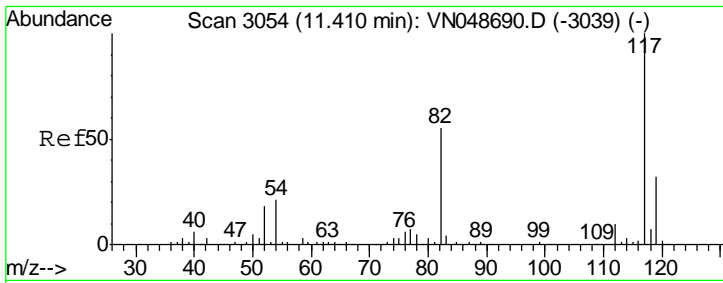
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#62
 4-Bromofluorobenzene
 Concen: 50.55 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

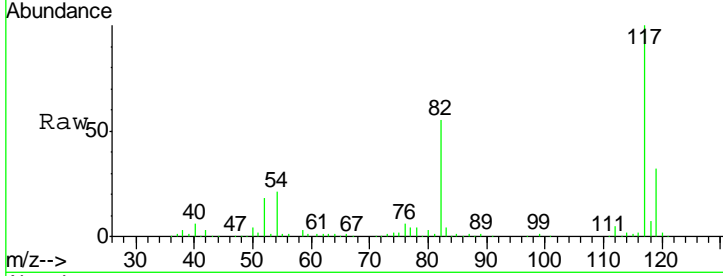
Tgt Ion	Resp	Lower	Upper
95	100		
174	83.4	0.0	173.8
176	80.3	0.0	170.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

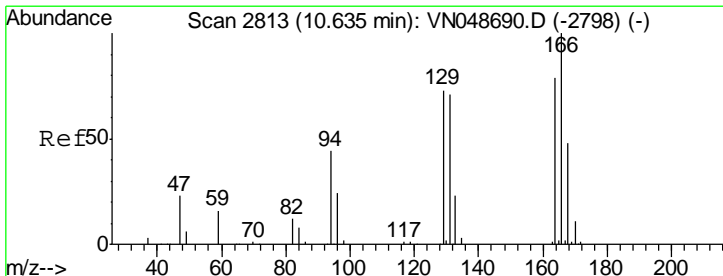
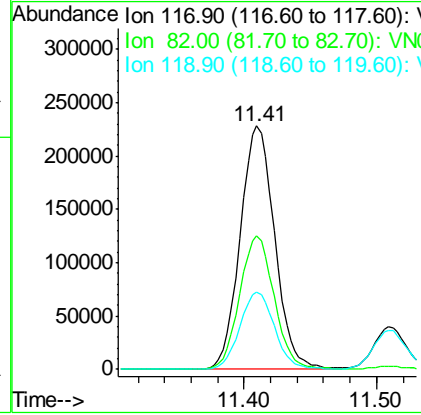
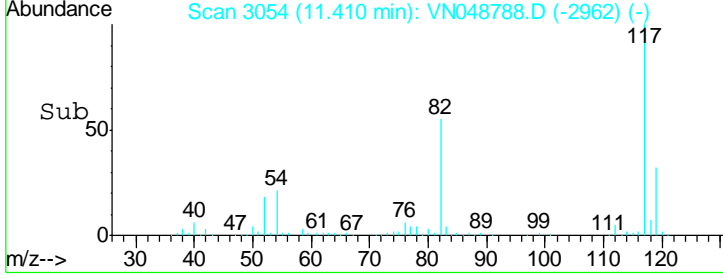
Instrument : MSVOA_N
 ClientSampled : VN0531WBS01



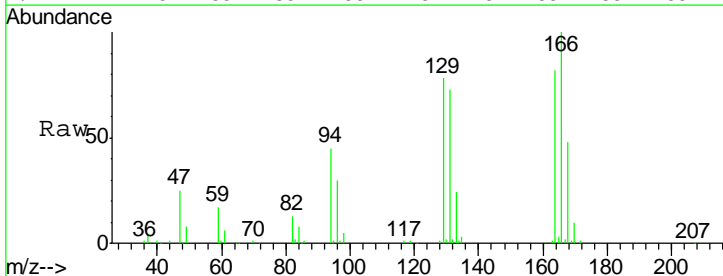
Tgt Ion: 117 Resp: 413128

Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.8	64.2
119	31.8	26.0	39.0

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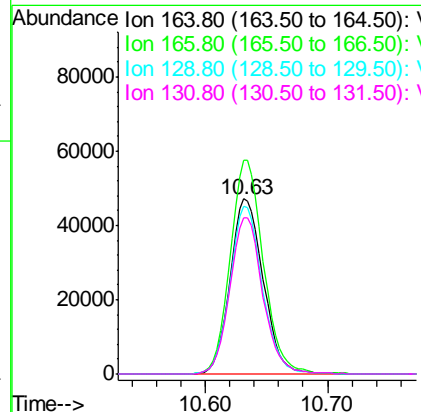
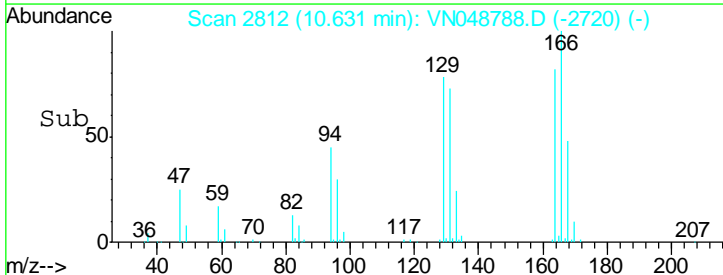


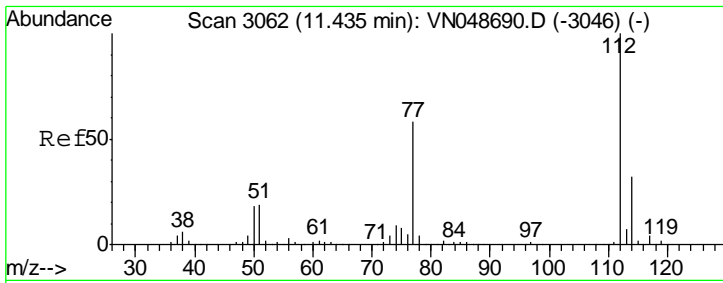
#64
 Tetrachloroethene
 Concen: 21.37 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45



Tgt Ion: 164 Resp: 89371

Ion	Ratio	Lower	Upper
164	100		
166	122.0	102.7	154.1
129	95.5	74.3	111.5
131	89.1	71.4	107.0





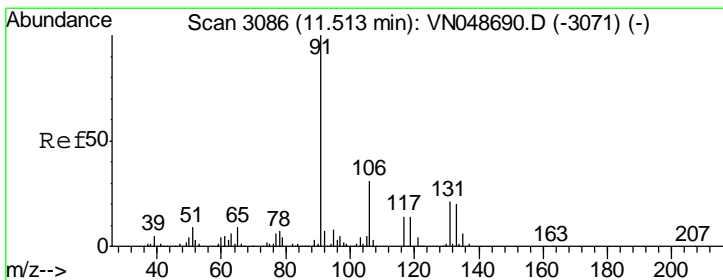
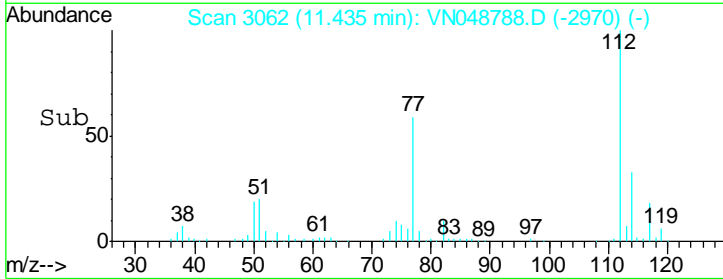
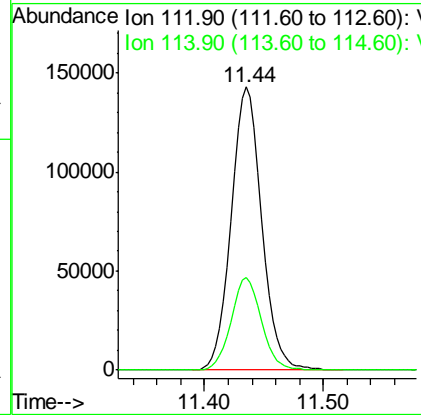
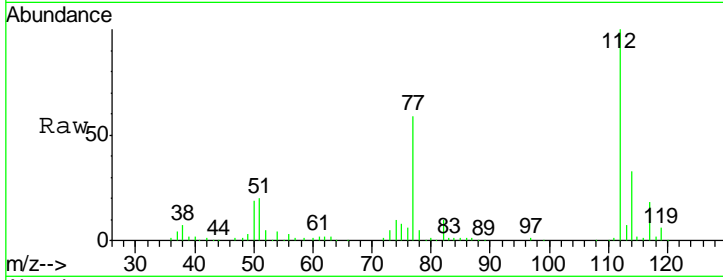
#65
 Chlorobenzene
 Concen: 20.94 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 Client Sampled : VN0531WBS01

Tgt Ion	Resp	Lower	Upper
112	100		
114	32.7	25.6	38.4

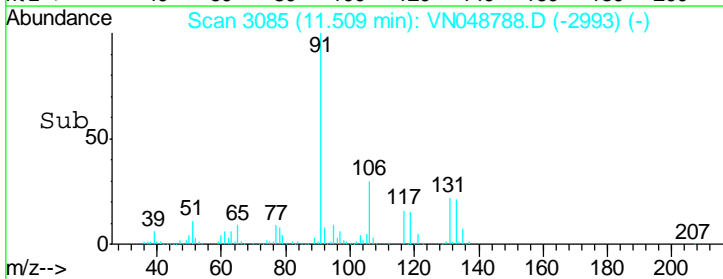
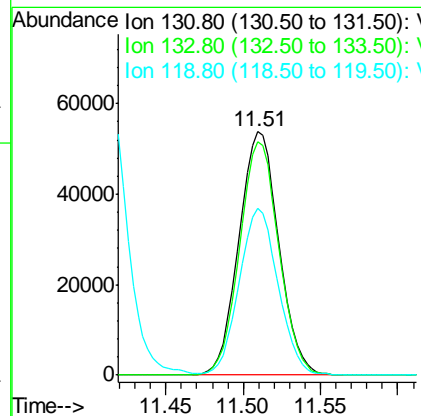
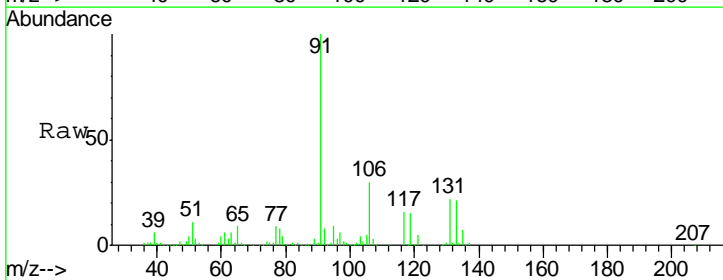
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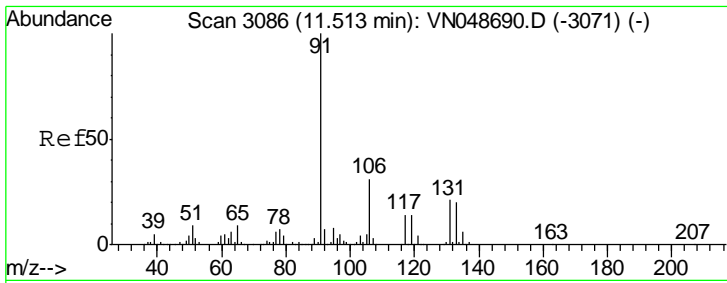
MMDadoda
 5/31/2018 6:55:36 PM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 21.16 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
131	100		
133	94.3	47.8	143.4
119	67.0	33.1	99.3



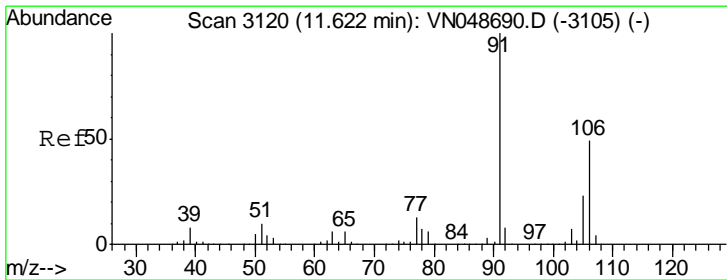
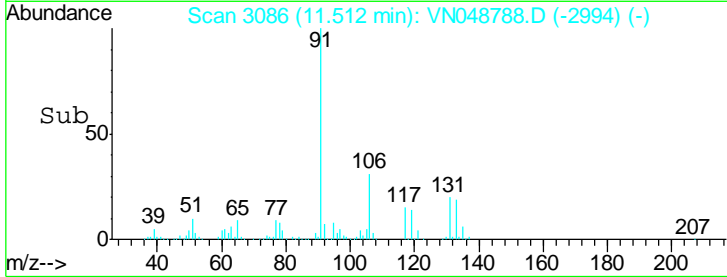
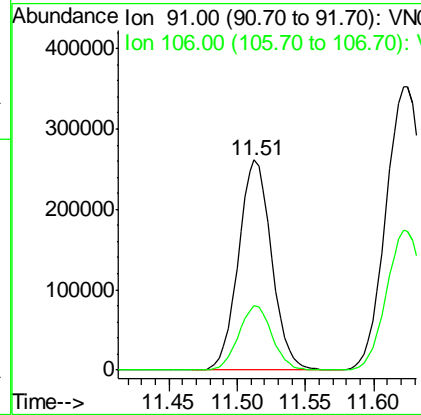
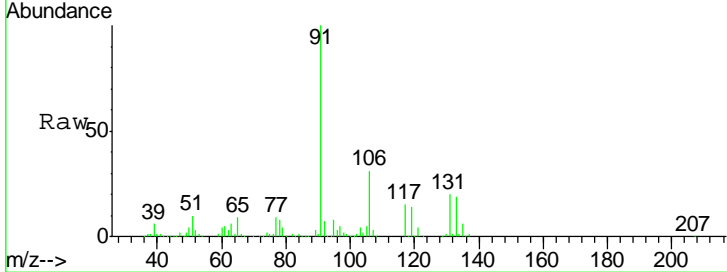


#67
 Ethyl Benzene
 Concen: 21.04 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS01

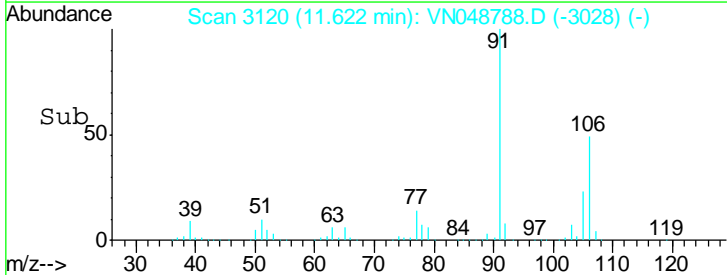
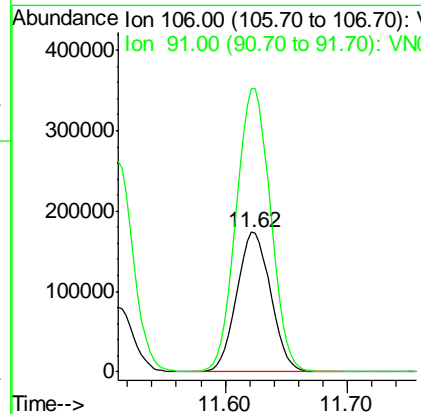
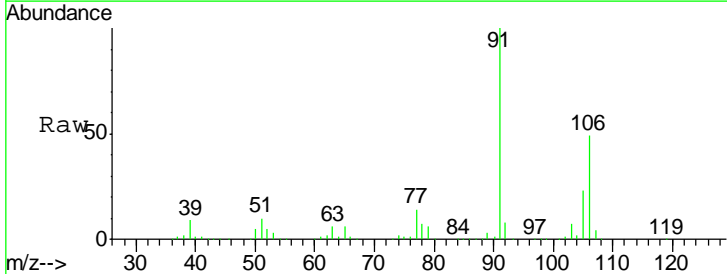
Tgt Ion	Resp	Lower	Upper
91	440703		
106	30.5	24.9	37.3

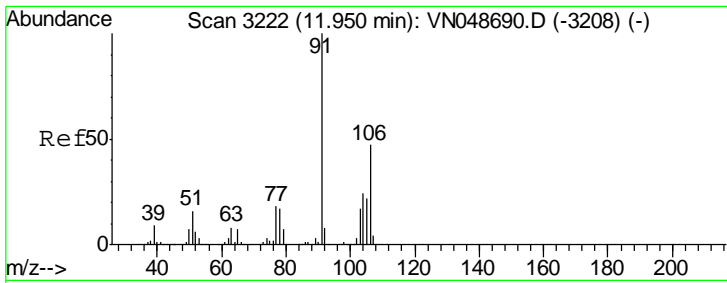
Manual Integrations
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#68
 m/p-Xylenes
 Concen: 42.56 ug/l
 RT: 11.62 min Scan# 3120
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
106	336083		
91	205.2	163.4	245.0



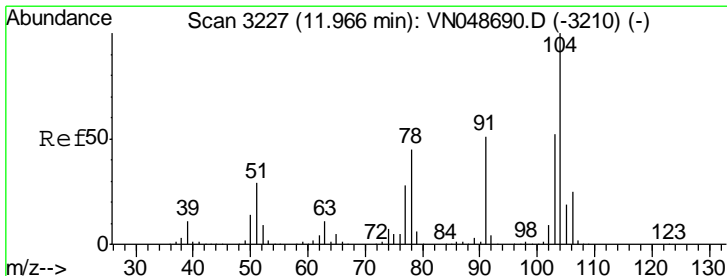
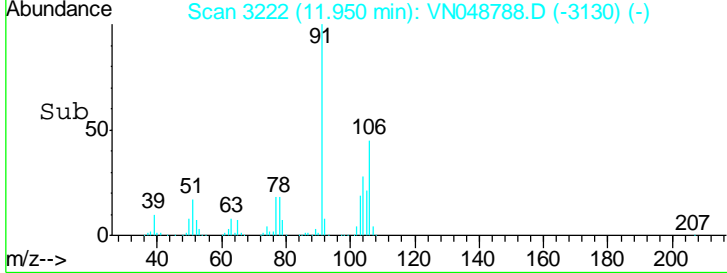
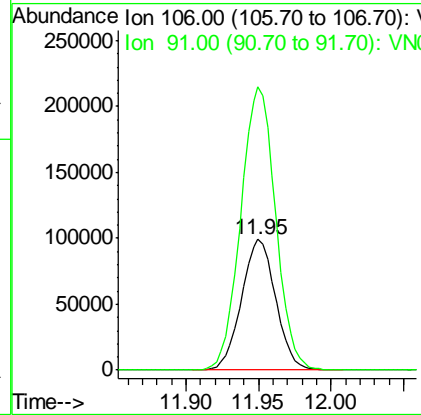
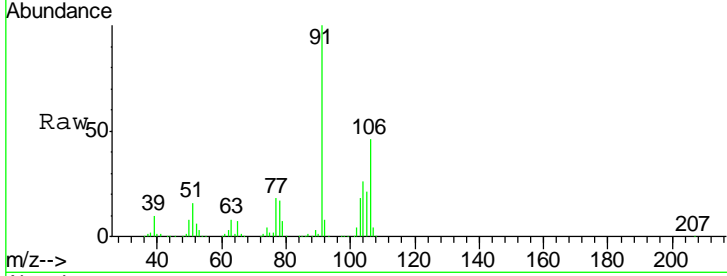


#69
 o-Xylene
 Concen: 21.33 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 Client Sampled : VN0531WBS01

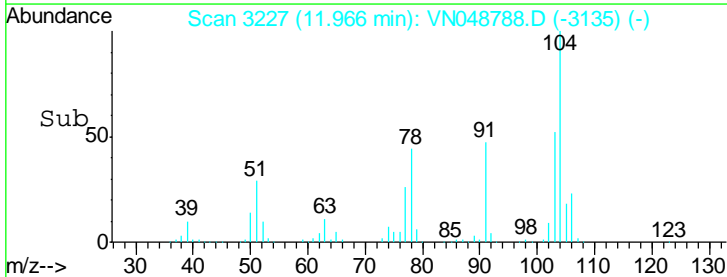
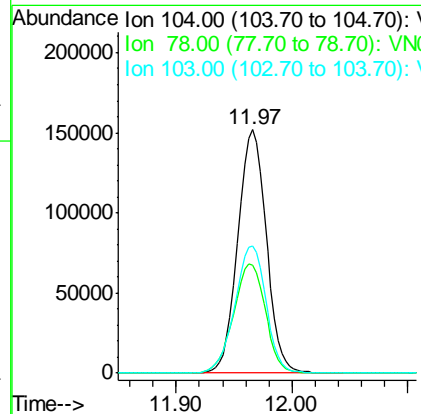
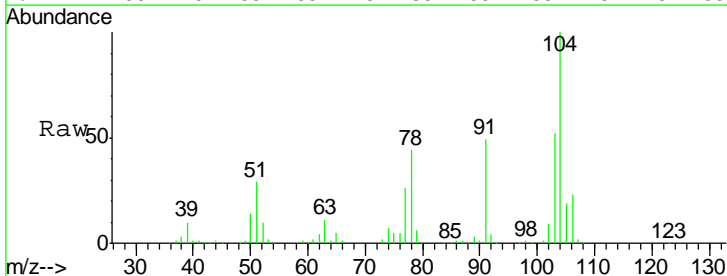
Tgt Ion	Resp	Lower	Upper
106	162491		
106	100		
91	220.4	107.9	323.7

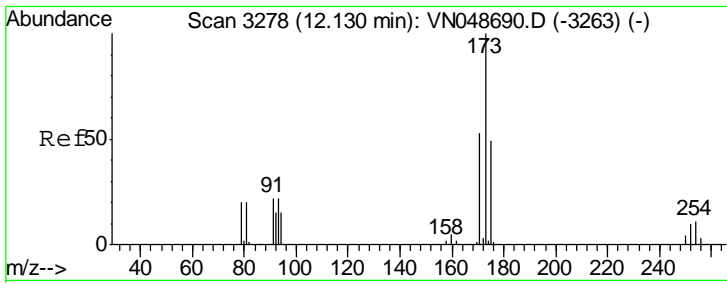
Manual Integrations
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#70
 Styrene
 Concen: 21.60 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

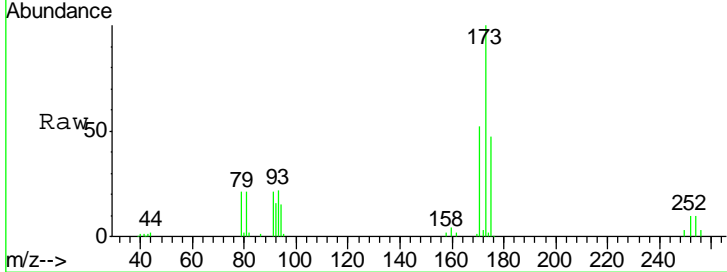
Tgt Ion	Resp	Lower	Upper
104	258629		
104	100		
78	50.2	39.8	59.8
103	57.2	44.6	66.8





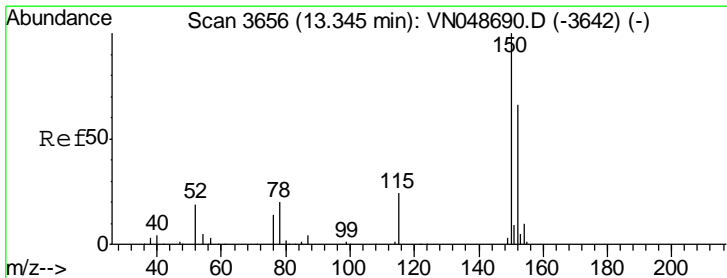
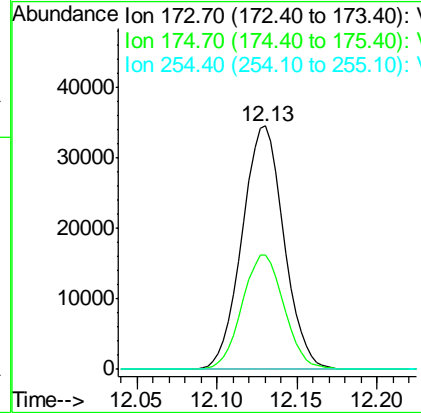
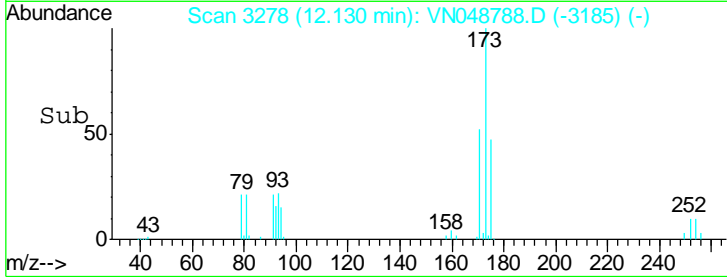
#71
 Bromoform
 Concen: 20.95 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

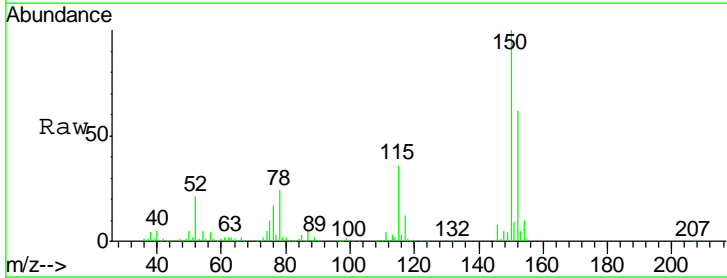


Tgt Ion	Resp	Lower	Upper
173	100		
175	47.4	23.9	71.8
254	0.0	0.0	0.0

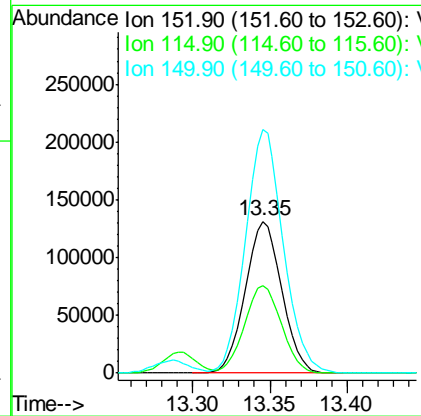
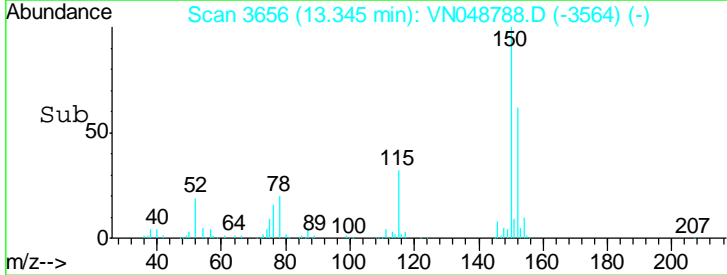
Manual Integrations
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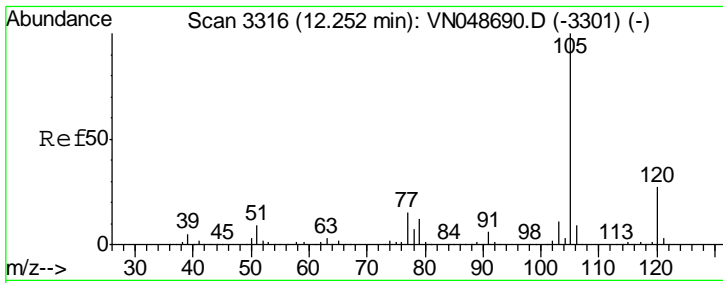


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45



Tgt Ion	Resp	Lower	Upper
152	100		
115	58.7	28.1	84.4
150	166.6	0.0	353.0



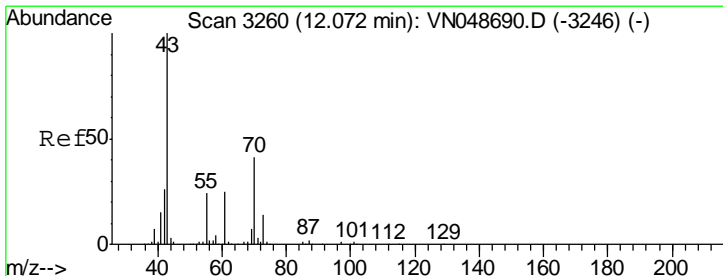
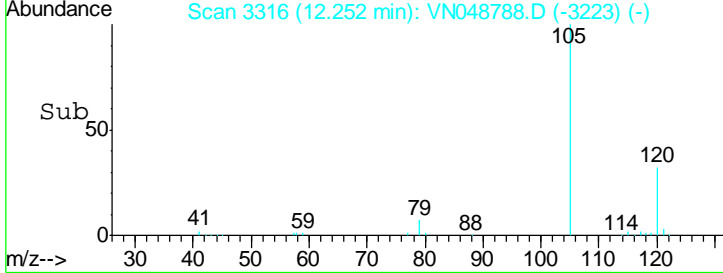
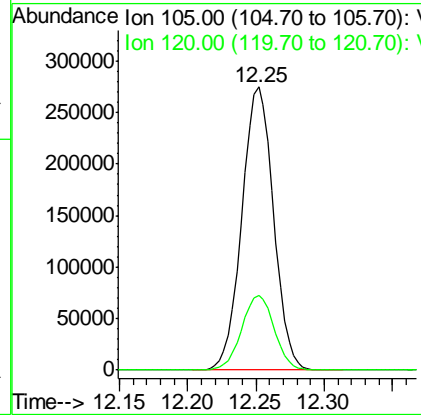
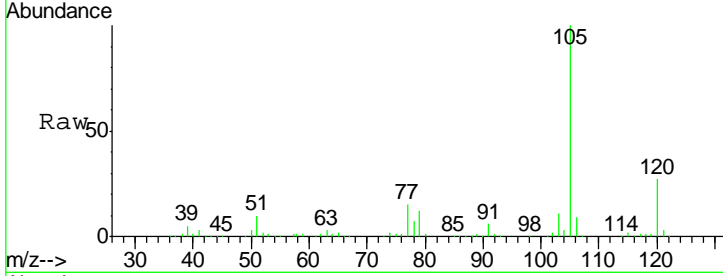


#73
 Isopropylbenzene
 Concen: 23.02 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

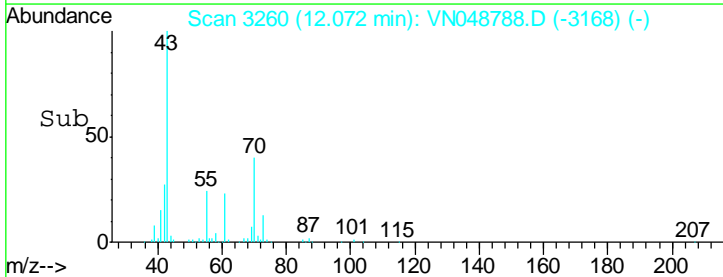
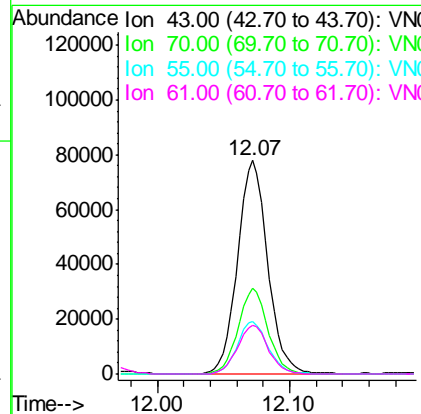
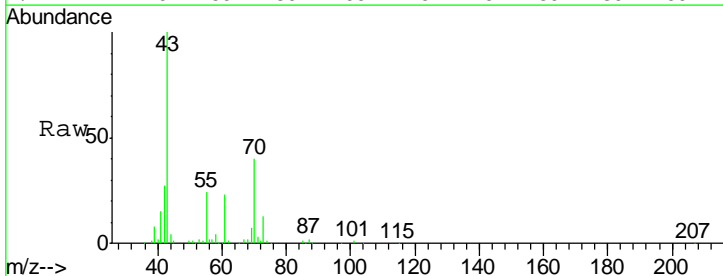
Tgt Ion	Resp	Lower	Upper
105	442822		
120	27.0	13.3	39.9

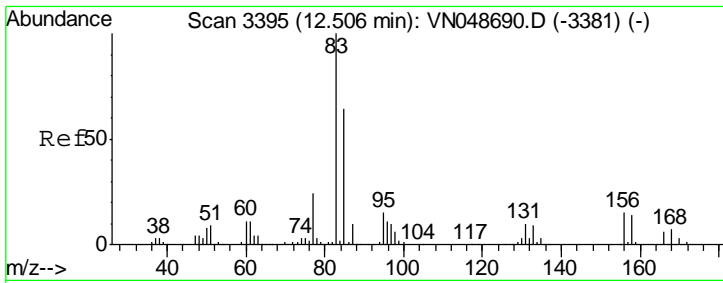
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#74
 N-amil acetate
 Concen: 21.73 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
43	123143		
70	39.6	33.7	50.5
55	25.1	19.3	28.9
61	23.0	19.4	29.2



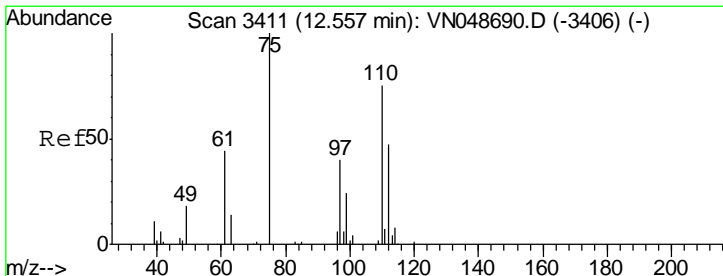
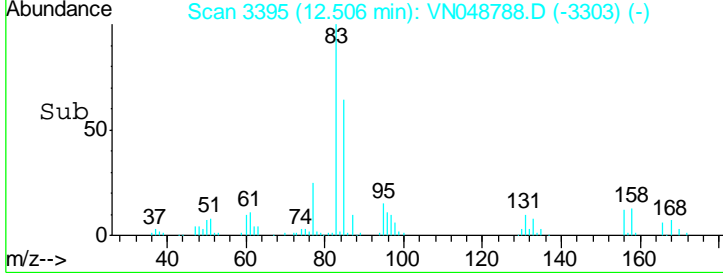
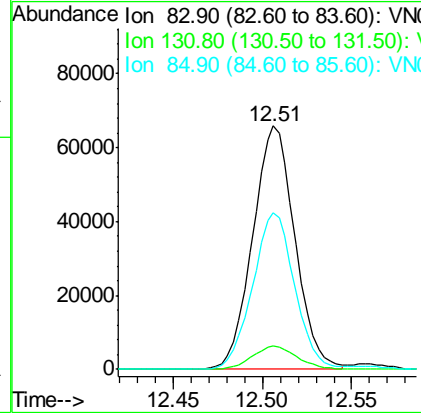
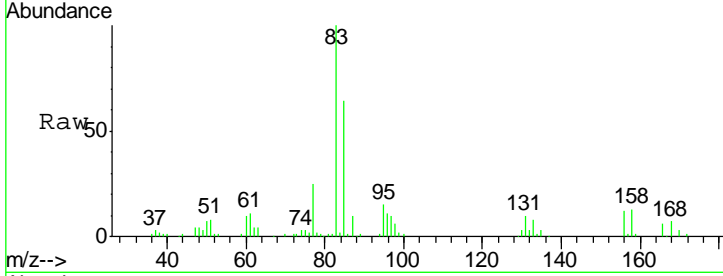


#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.97 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 Client Sampled : VN0531WBS01

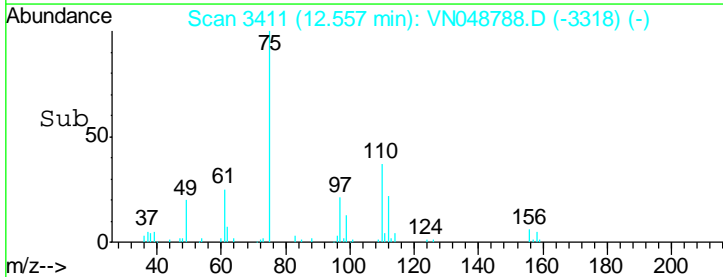
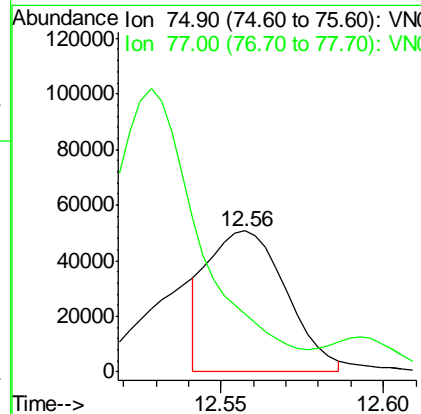
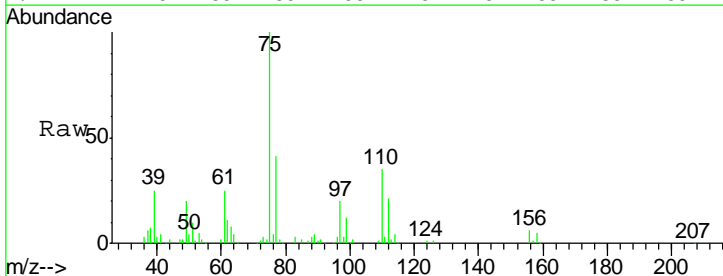
Tgt Ion	Resp	Lower	Upper
83	108817		
83	100		
131	10.0	5.3	15.8
85	64.0	32.4	97.0

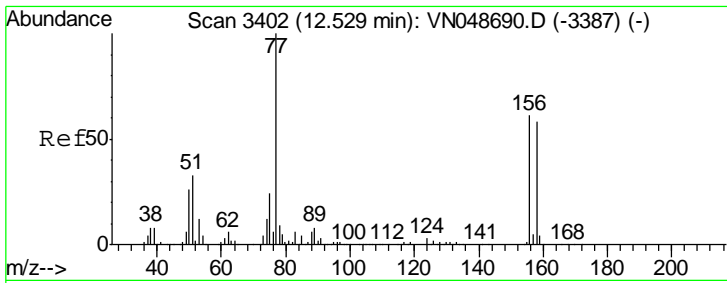
Manual Integrations
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#76
 1,2,3-Trichloropropane
 Concen: 22.83 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
75	84840		
75	100		
77	0.0	0.0	0.0



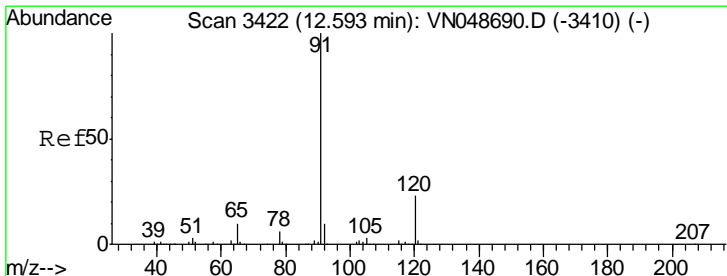
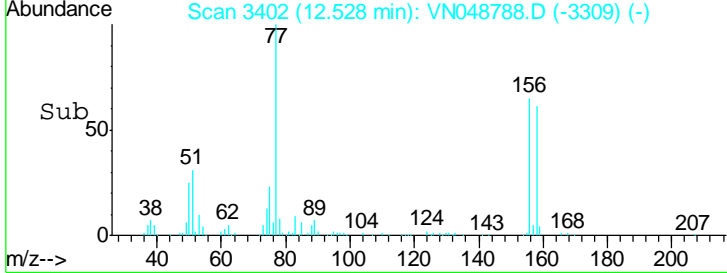
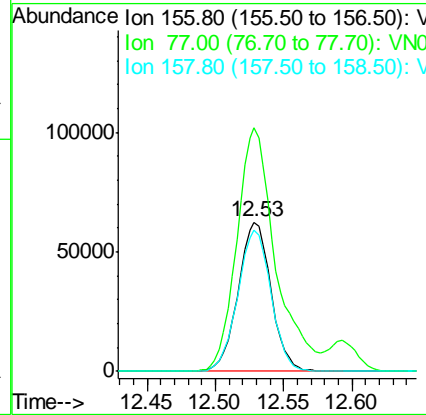
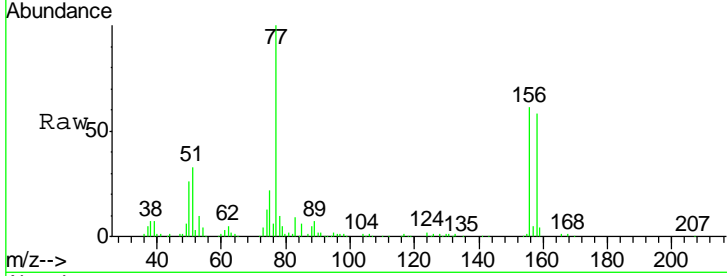


#77
 Bromobenzene
 Concen: 22.27 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

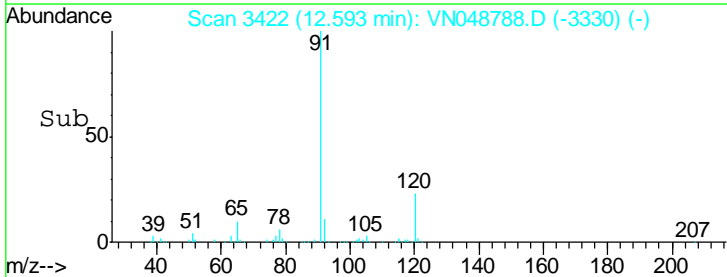
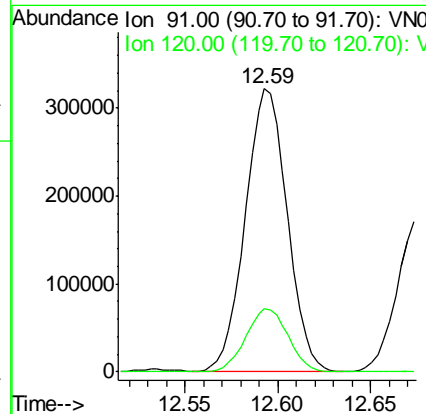
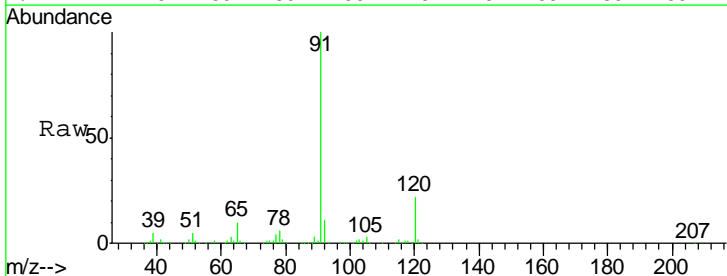
Tgt Ion	Resp	Lower	Upper
156	104184		
77	192.8	93.3	280.1
158	96.0	48.9	146.6

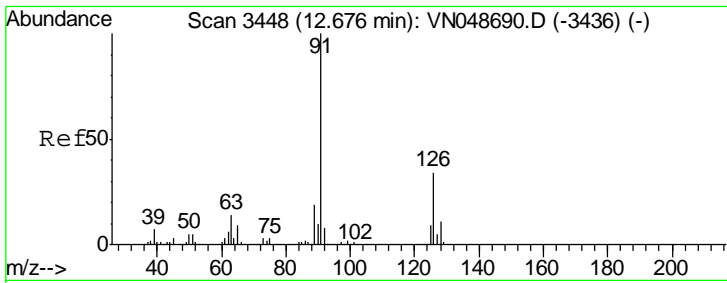
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#78
 n-propylbenzene
 Concen: 22.87 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
91	505388		
120	22.6	11.7	35.1



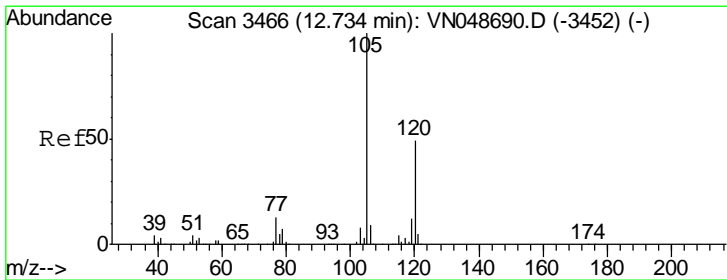
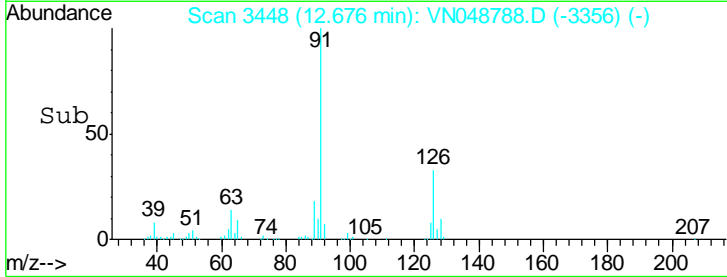
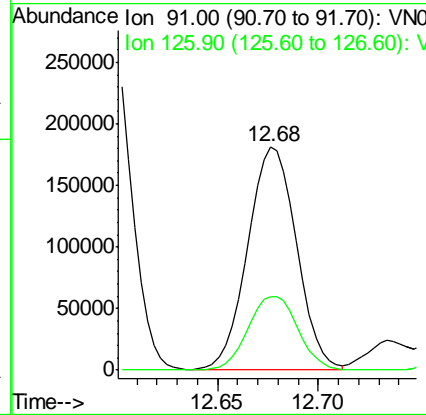
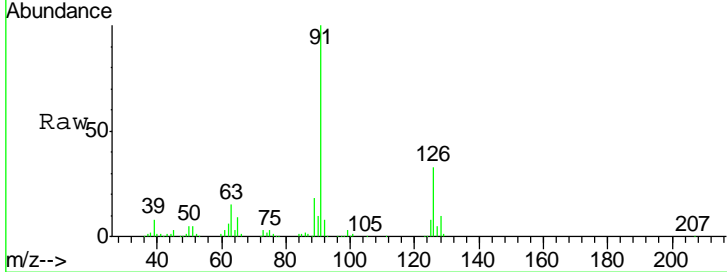


#79
 2-Chlorotoluene
 Concen: 23.15 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 Client Sampled : VN0531WBS01

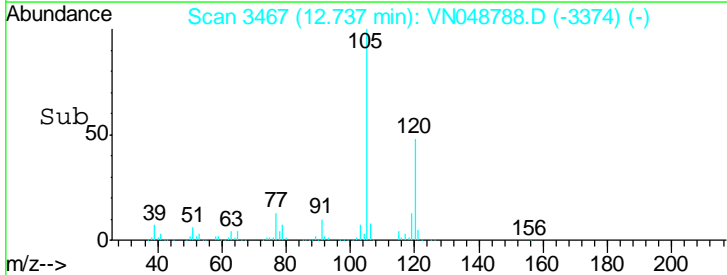
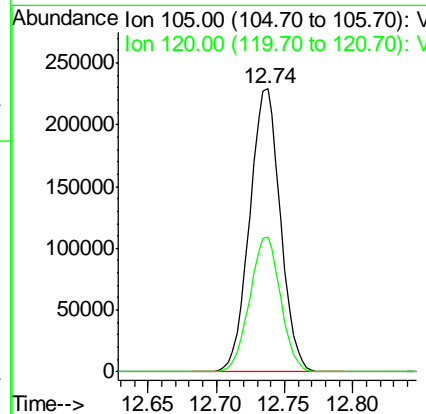
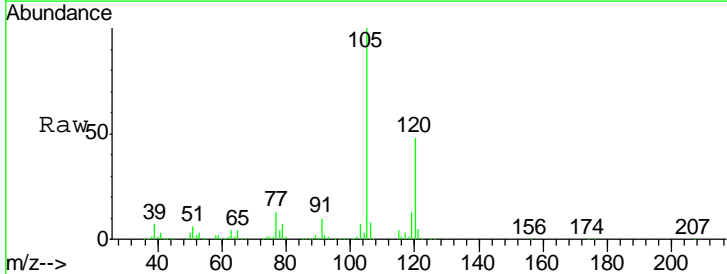
Tgt Ion	Resp	Lower	Upper
91	306845	100	
126	33.8	17.5	52.5

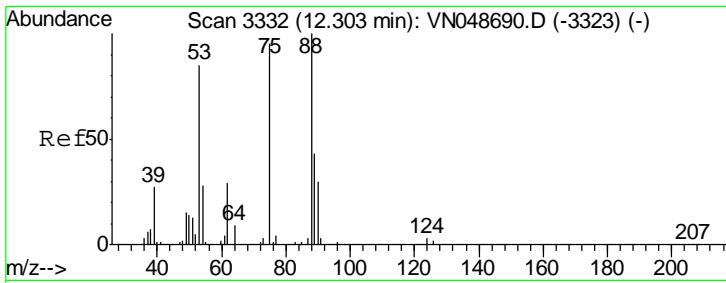
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.10 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
105	358235	100	
120	47.8	24.3	72.9



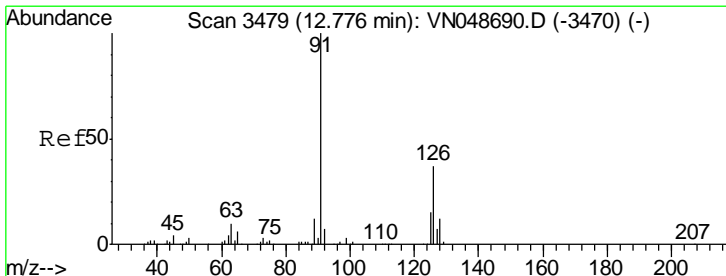
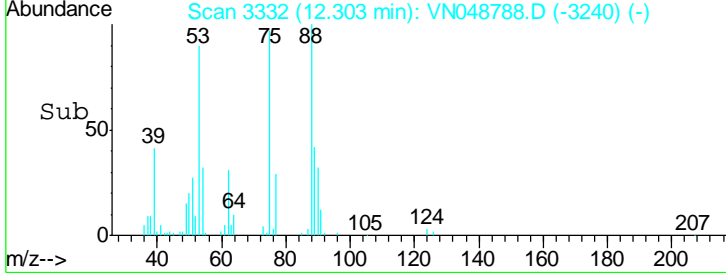
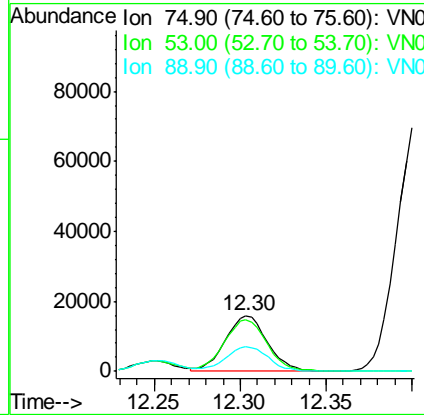
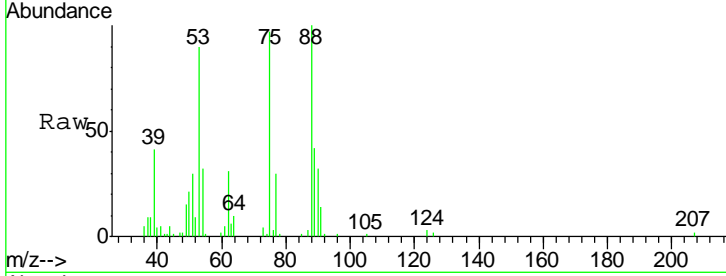


#81
 trans-1,4-Dichloro-2-butene
 Concen: 20.26 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

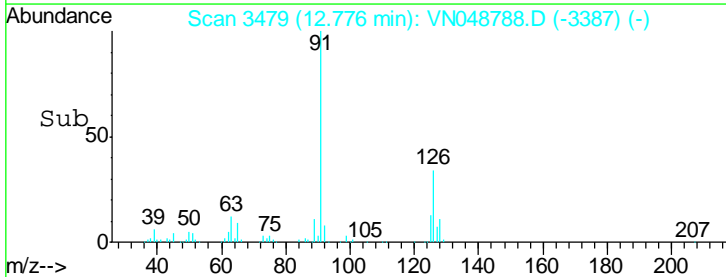
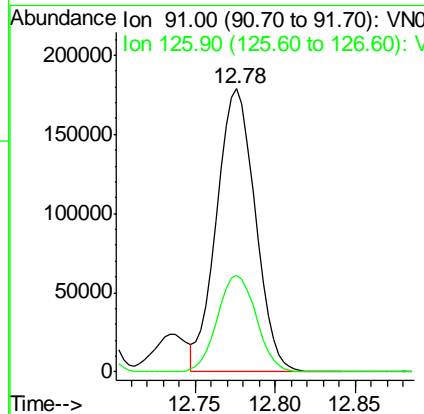
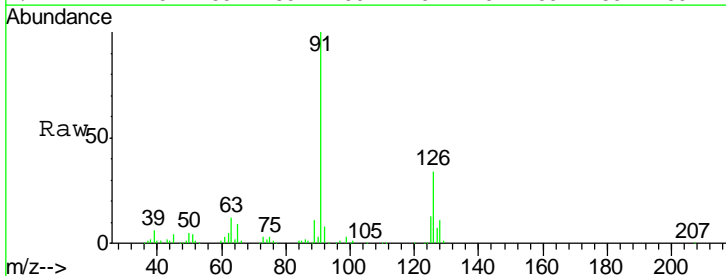
Tgt Ion	Resp	Lower	Upper
75	27268		
75	100		
53	94.4	72.0	108.0
89	44.3	35.2	52.8

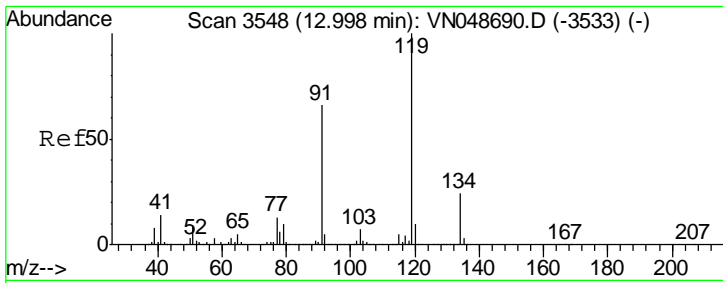
Manual Integrations
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#82
 4-Chlorotoluene
 Concen: 22.46 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

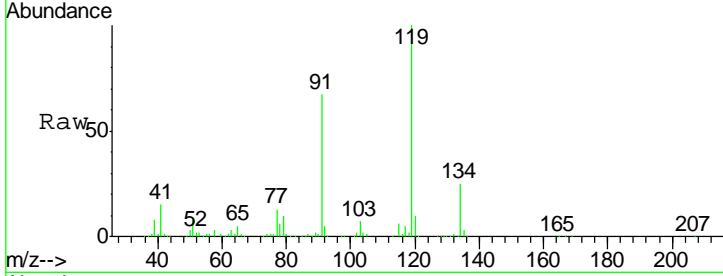
Tgt Ion	Resp	Lower	Upper
91	295708		
91	100		
126	34.3	17.2	51.6





#83
 tert-Butylbenzene
 Concen: 22.12 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

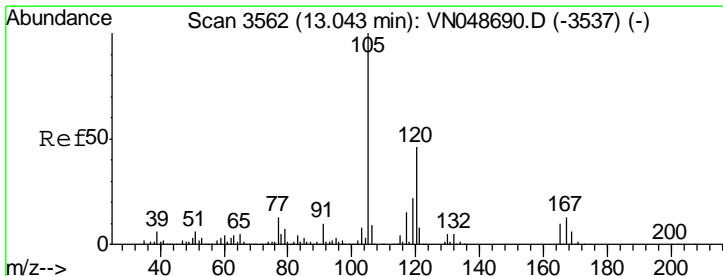
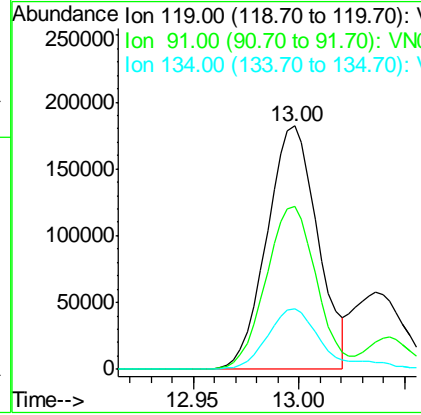
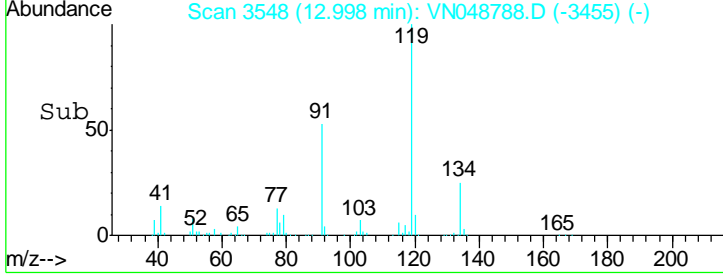
Instrument : MSVOA_N
 ClientSampled : VN0531WBS01



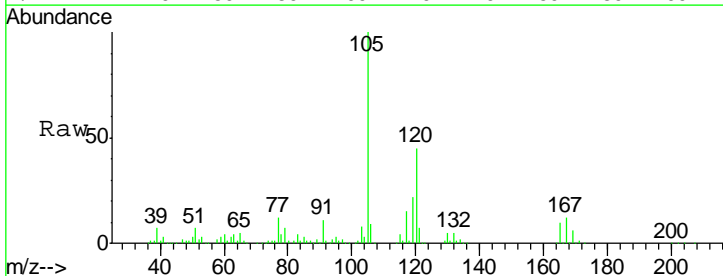
Tgt Ion: 119 Resp: 305057

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.2	96.6
134	27.3	13.3	39.9

Manual Integrations
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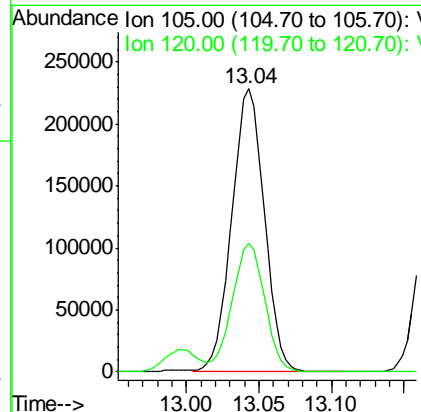
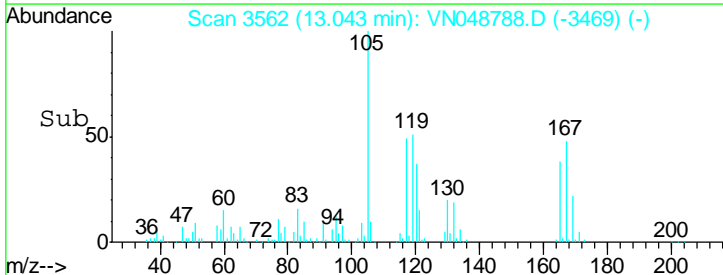


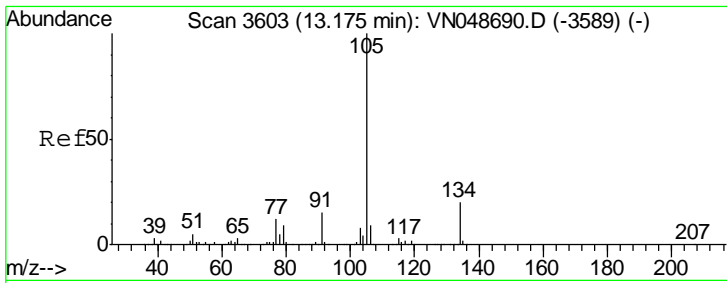
#84
 1,2,4-Trimethylbenzene
 Concen: 22.88 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45



Tgt Ion: 105 Resp: 356519

Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.0



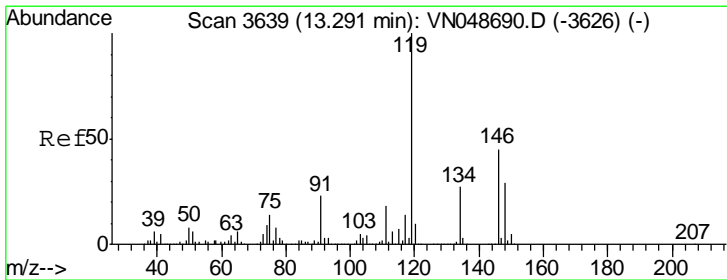
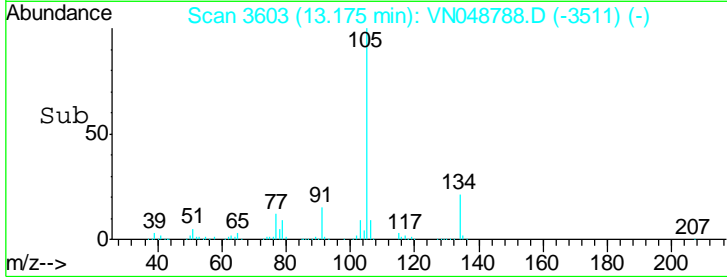
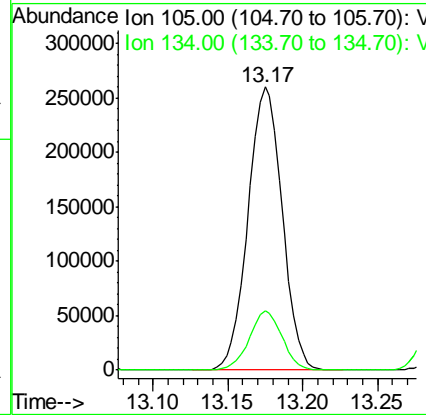
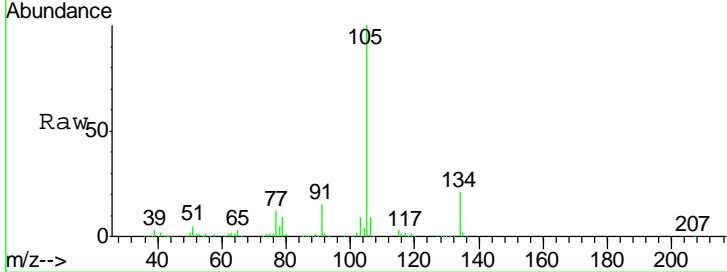


#85
 sec-Butylbenzene
 Concen: 22.60 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS01

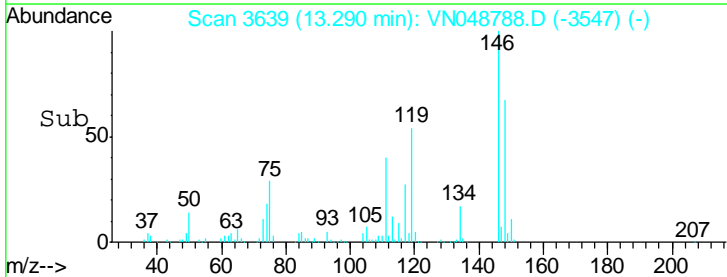
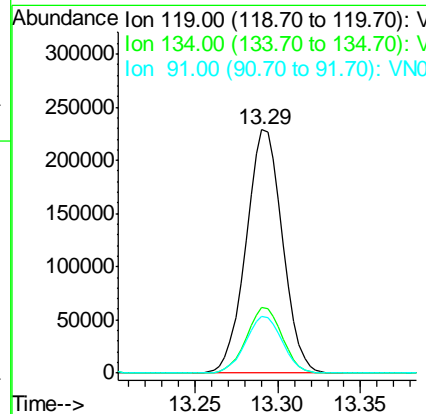
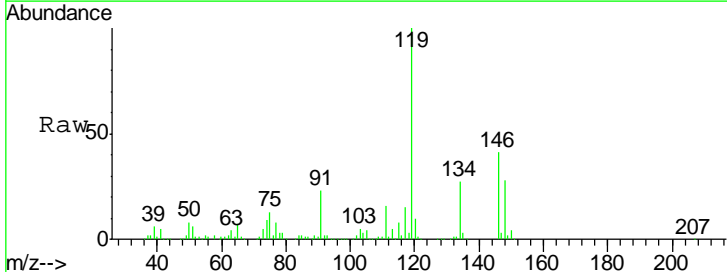
Tgt Ion	Resp	Lower	Upper
105	413313		
105	100		
134	20.0	10.1	30.3

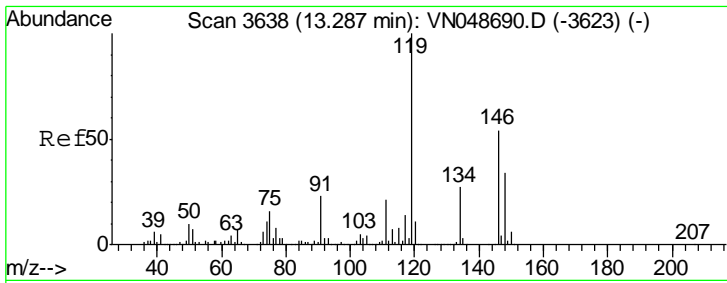
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 22.41 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
119	349586		
119	100		
134	26.6	13.5	40.4
91	23.5	11.4	34.2



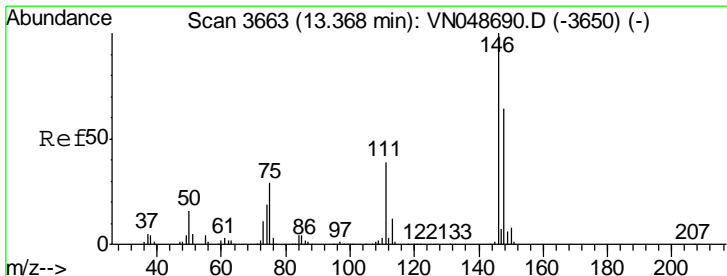
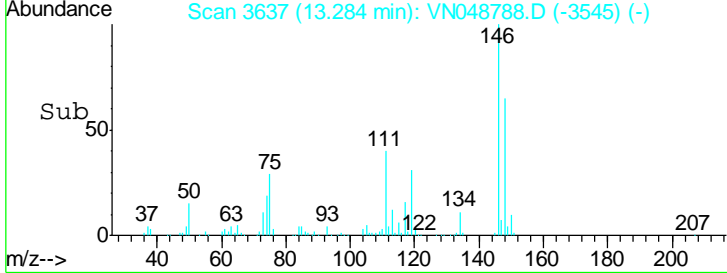
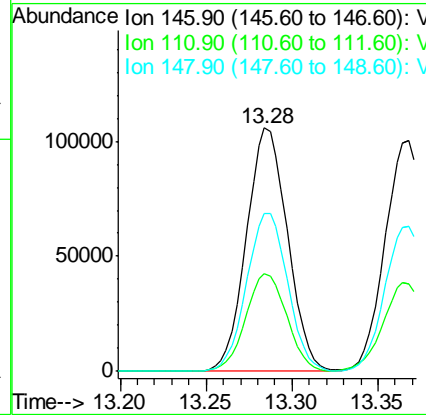
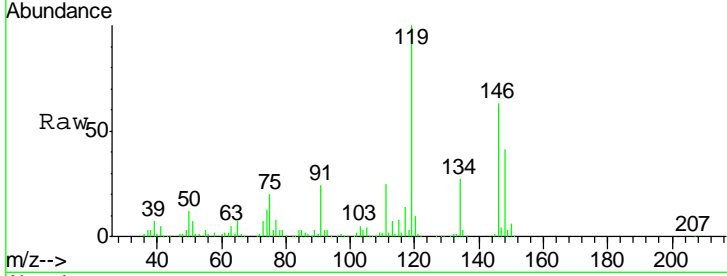


#87
 1,3-Dichlorobenzene
 Concen: 21.30 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 Client Sampled : VN0531WBS01

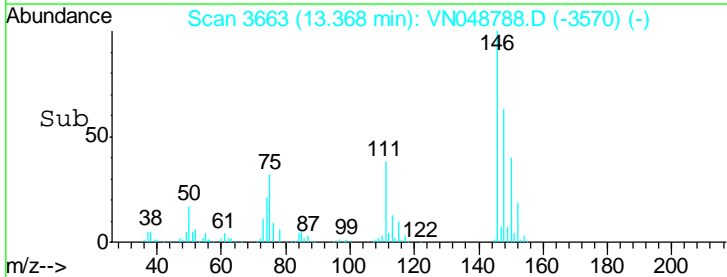
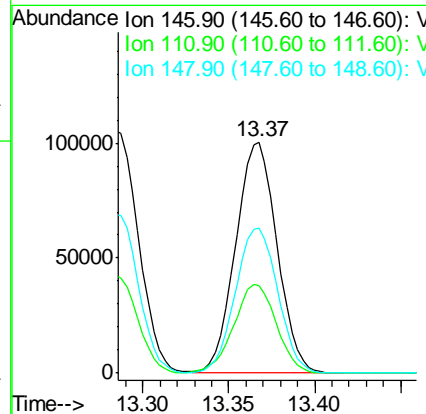
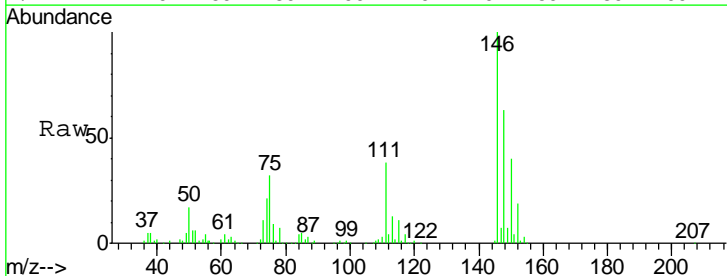
Tgt Ion	Resp	Lower	Upper
146	175632		
146	100		
111	40.0	19.3	57.9
148	65.1	32.1	96.5

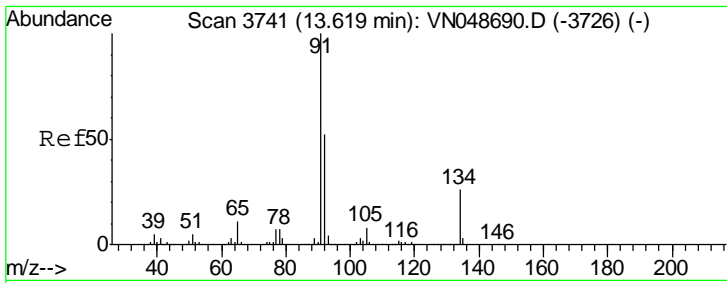
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#88
 1,4-Dichlorobenzene
 Concen: 20.94 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
146	167618		
146	100		
111	39.6	18.9	56.5
148	64.4	32.2	96.6



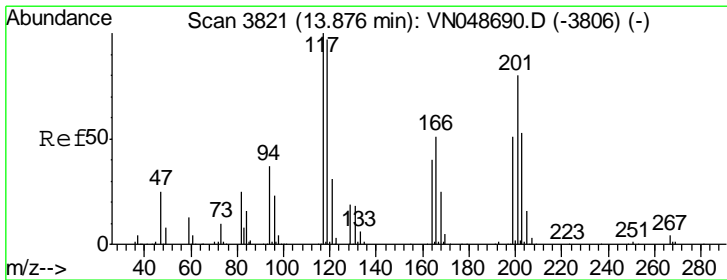
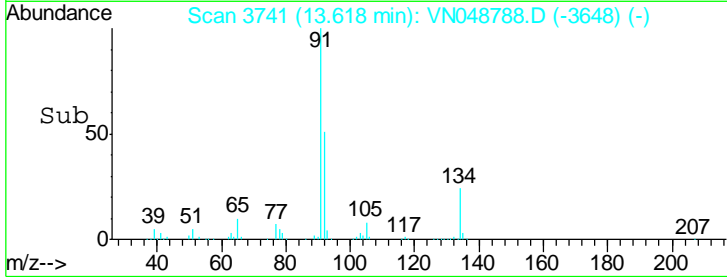
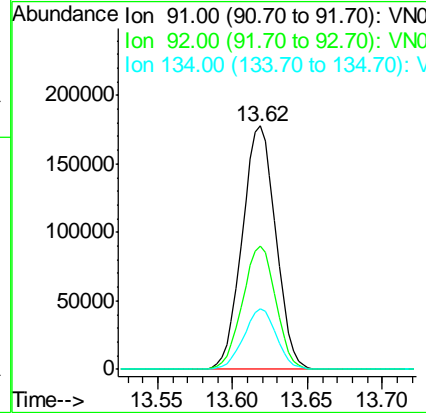
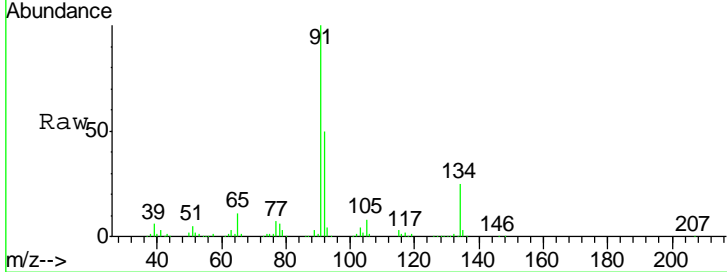


#89
 n-Butylbenzene
 Concen: 21.15 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

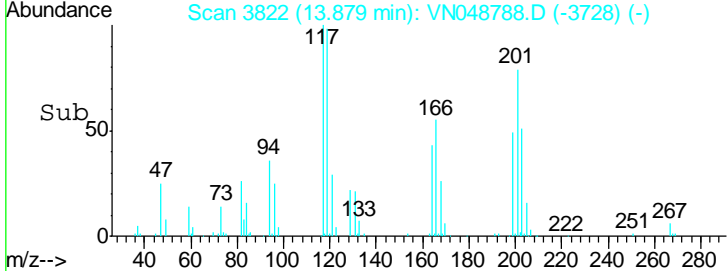
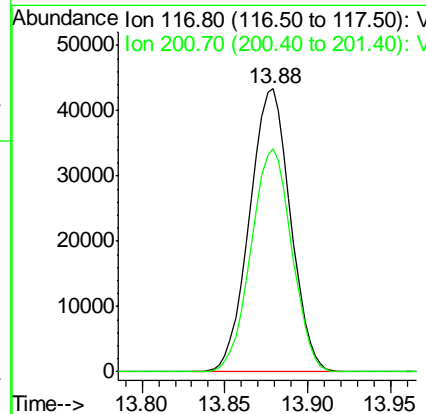
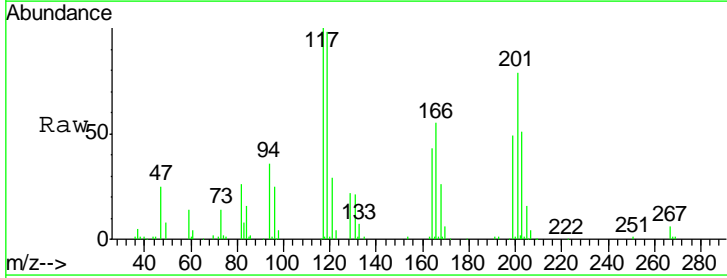
Tgt Ion	Resp	Lower	Upper
91	100		
92	50.5	26.3	78.9
134	24.2	13.5	40.4

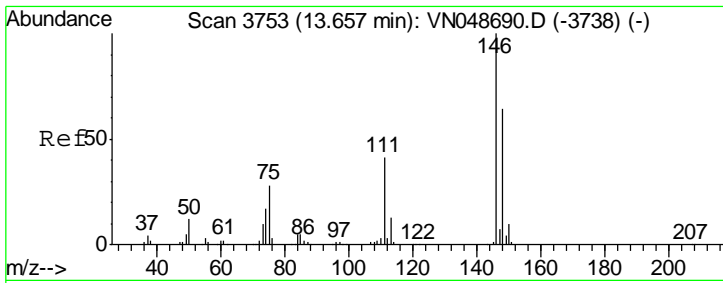
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#90
 Hexachloroethane
 Concen: 22.25 ug/l
 RT: 13.88 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
117	100		
201	78.4	44.6	134.0



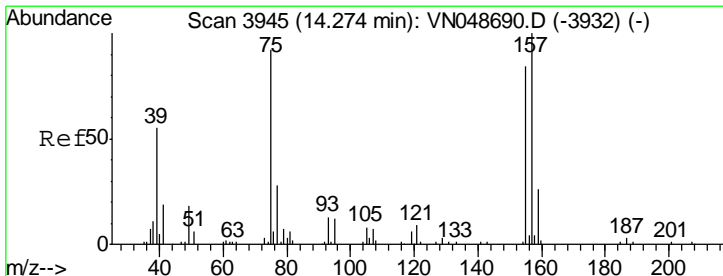
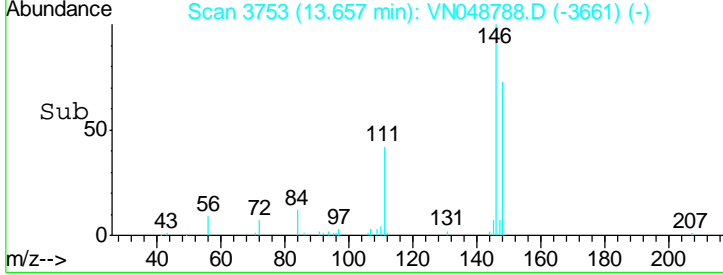
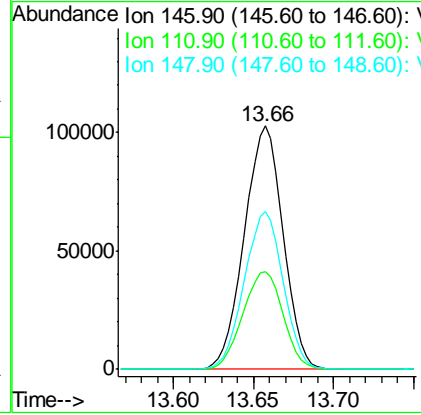
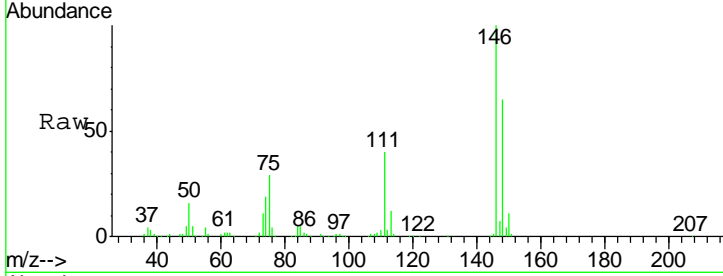


#91
 1,2-Dichlorobenzene
 Concen: 21.12 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 ClientSampled : VN0531WBS01

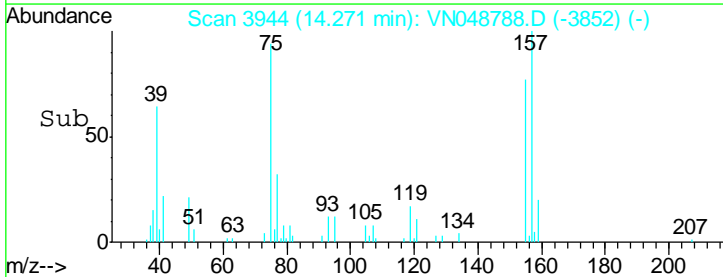
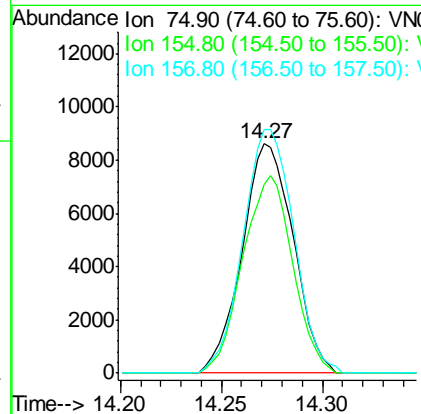
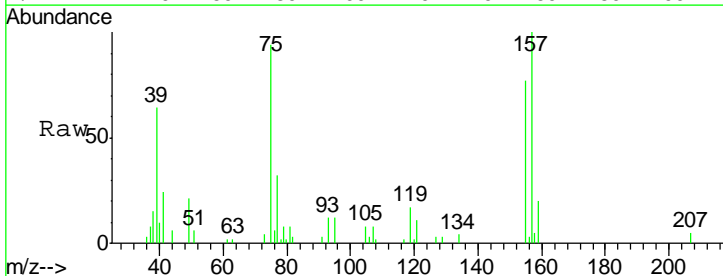
Tgt Ion	Resp	Lower	Upper
146	170354		
111	41.4	19.9	59.6
148	65.0	32.0	96.0

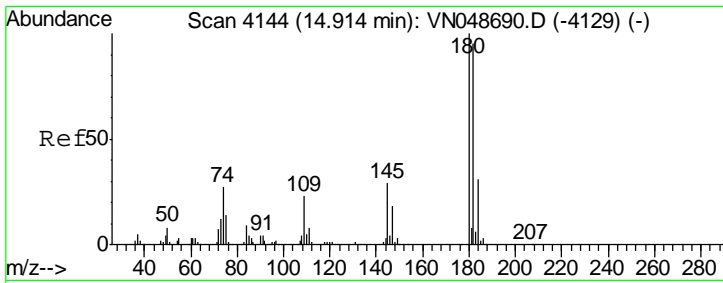
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.76 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

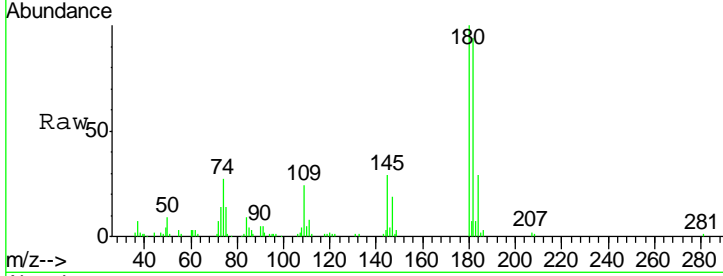
Tgt Ion	Resp	Lower	Upper
75	15301		
155	83.9	47.1	141.4
157	105.4	60.9	182.6





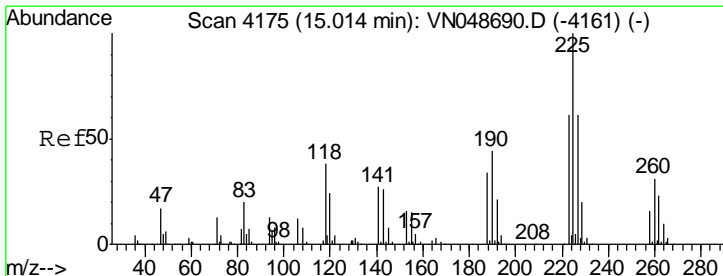
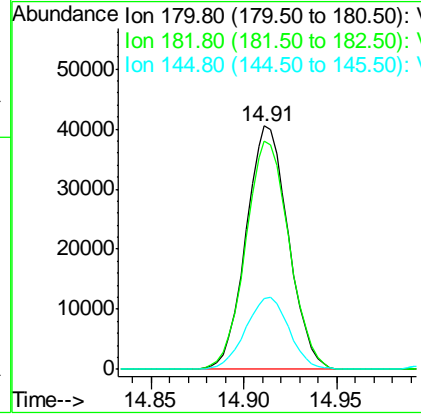
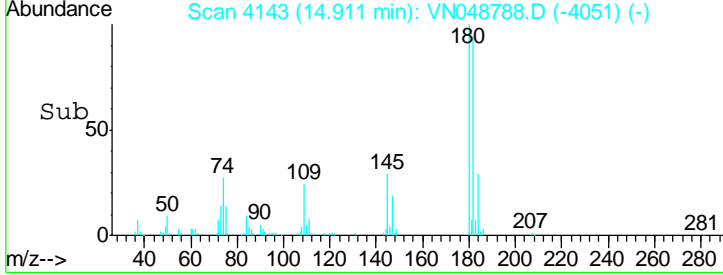
#93
 1,2,4-Trichlorobenzene
 Concen: 17.44 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 Client Sampled : VN0531WBS01

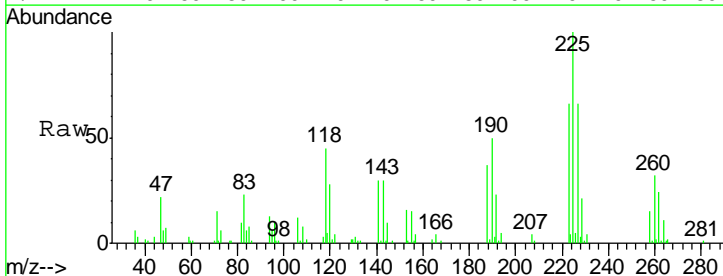


Tgt Ion	Resp	Lower	Upper
180	100		
182	96.5	47.9	143.8
145	30.5	14.6	43.8

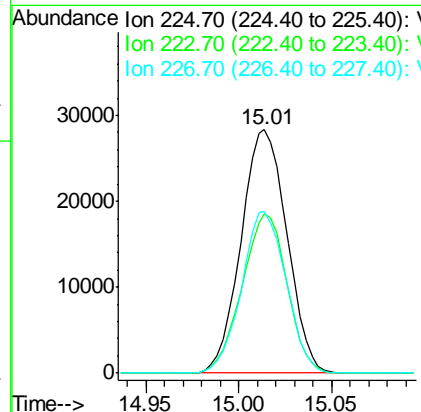
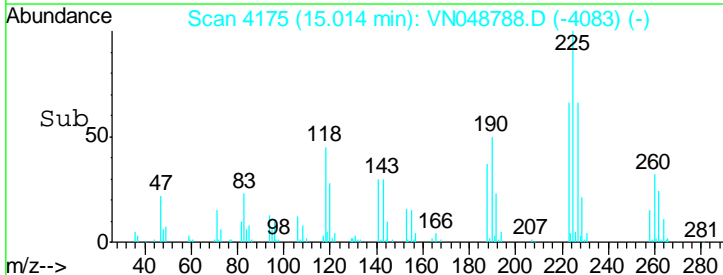
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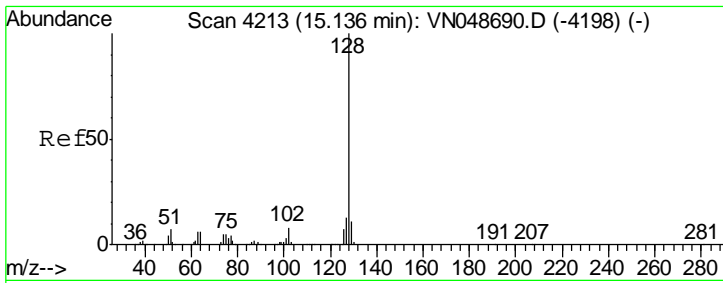


#94
 Hexachlorobutadiene
 Concen: 18.70 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45



Tgt Ion	Resp	Lower	Upper
225	100		
223	64.2	31.3	93.8
227	64.5	31.9	95.5



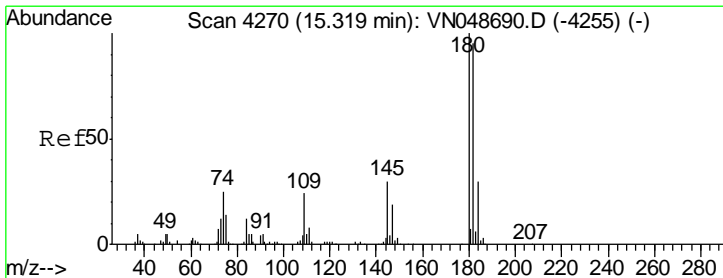
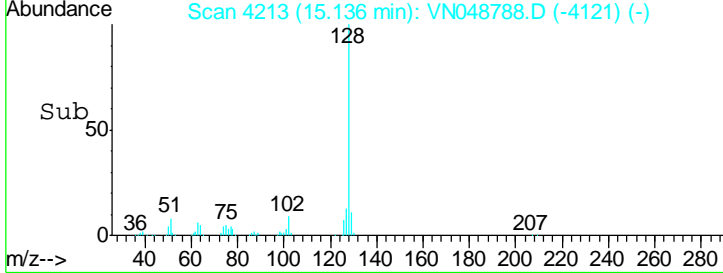
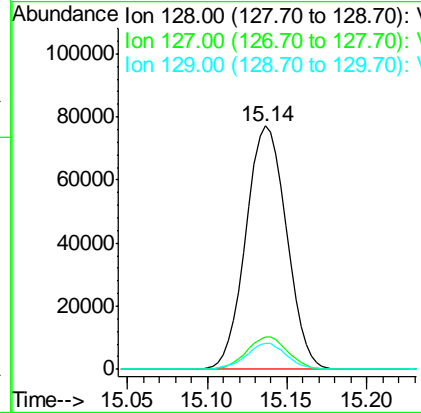
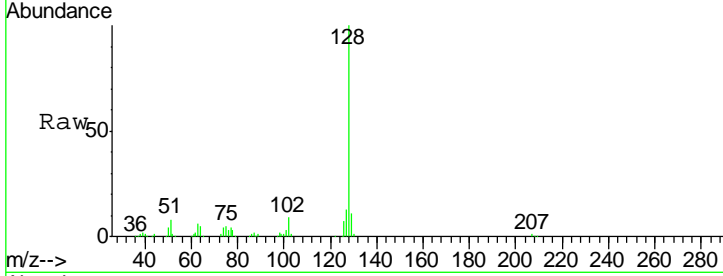


#95
 Naphthalene
 Concen: 17.39 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Instrument : MSVOA_N
 Client Sampled : VN0531WBS01

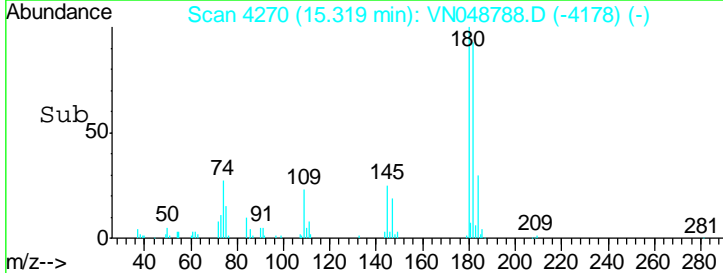
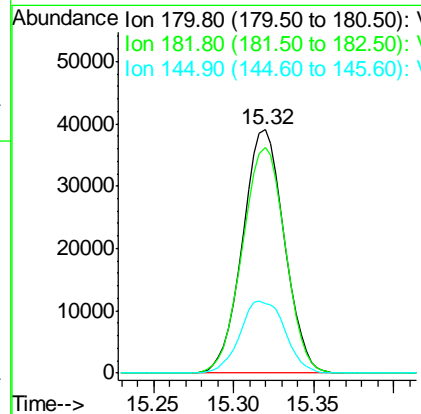
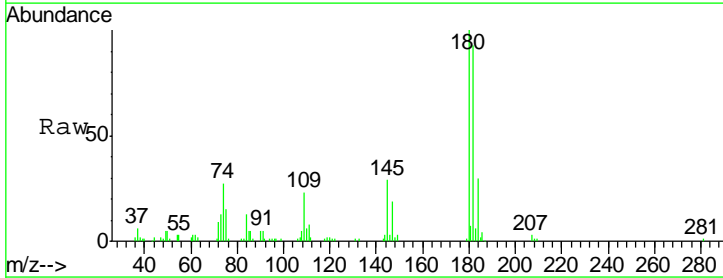
Tgt Ion	Resp	Lower	Upper
128	133993		
127	13.5	10.2	15.4
129	10.7	8.7	13.1

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#96
 1,2,3-Trichlorobenzene
 Concen: 18.31 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: VN048788.D
 Acq: 31 May 2018 13:45

Tgt Ion	Resp	Lower	Upper
180	69331		
182	95.2	48.4	145.0
145	31.9	15.3	45.9





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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	936-MW-17(20.5)MS	SDG No.:	J3131
Lab Sample ID:	J3131-09MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048755.D	1		05/30/18 21:26	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	47.8		0.2	0.2	1	ug/L
74-87-3	Chloromethane	49.1		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	50.1		0.2	0.2	1	ug/L
74-83-9	Bromomethane	54.4		0.2	0.2	1	ug/L
75-00-3	Chloroethane	51.5		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	48.6		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48.4		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	49.1		0.2	0.2	1	ug/L
67-64-1	Acetone	230		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	46.1		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	50.3		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	48.2		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	49.2		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	50.2		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	49.6		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	49.3		0.2	0.2	1	ug/L
78-93-3	2-Butanone	240		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	48.3		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	88		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	52.5		0.2	0.5	1	ug/L
67-66-3	Chloroform	49.9		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	49.4		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	49.3		0.2	0.2	1	ug/L
71-43-2	Benzene	50.9		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	49.8		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	100		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	50.9		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	49.6		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	250		1	1	5	ug/L
108-88-3	Toluene	52.1		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	50.3		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	49.5		0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	936-MW-17(20.5)MS	SDG No.:	J3131
Lab Sample ID:	J3131-09MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048755.D	1		05/30/18 21:26	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	51.8		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	250		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	51.9		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	51		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	4500	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	50.1		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	51.1		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	100		0.4	0.4	2	ug/L
95-47-6	o-Xylene	52.1		0.2	0.2	1	ug/L
100-42-5	Styrene	53.2		0.2	0.2	1	ug/L
75-25-2	Bromoform	51.3		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	49.6		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	47.1		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	49.7		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	49.4		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	48.5		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	44.9		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	41.5		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	43.1		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.3		61 - 141		95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	50.1		65 - 126		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		58 - 135		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	321887	7.67				
540-36-3	1,4-Difluorobenzene	482800	8.59				
3114-55-4	Chlorobenzene-d5	447255	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	255968	13.35				



Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	05/22/18
Project:	Andrew St. RI		Date Received:	05/24/18
Client Sample ID:	936-MW-17(20.5)MS		SDG No.:	J3131
Lab Sample ID:	J3131-09MS		Matrix:	Water
Analytical Method:	SW8260		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048755.D	1		05/30/18 21:26	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048755.D
 Acq On : 30 May 2018 21:26
 Operator : MD\SY
 Sample : J3131-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 936-MW-17(20.5)MS

Manual Integrations
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 5/31/2018 3:07:08 PM

Quant Time: May 31 08:05:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	321887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	482800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	447255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	255968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	221217	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	= 94.58%		
35) Dibromofluoromethane	7.59	113	207454	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	= 101.46%		
50) Toluene-d8	10.09	98	756814	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	= 100.14%		
62) 4-Bromofluorobenzene	12.41	95	270162	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	= 103.58%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	184008	47.83	ug/l	98
3) Chloromethane	2.06	50	265522	49.10	ug/l	99
4) Vinyl Chloride	2.18	62	254787	50.06	ug/l	98
5) Bromomethane	2.56	94	143755	54.41	ug/l	98
6) Chloroethane	2.70	64	148439	51.49	ug/l	98
7) Trichlorofluoromethane	3.01	101	333601	48.60	ug/l	97
8) Diethyl Ether	3.41	74	128817	50.68	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	213157	48.43	ug/l	96
10) Methyl Iodide	3.95	142	308874	50.74	ug/l	98
11) Tert butyl alcohol	4.80	59	72849	225.35	ug/l	100
12) 1,1-Dichloroethene	3.73	96	206249	49.11	ug/l	95
13) Acrolein	3.61	56	102935	213.27	ug/l	99
14) Allyl chloride	4.32	41	373914	47.61	ug/l	98
15) Acrylonitrile	4.99	53	393252	258.81	ug/l	98
16) Acetone	3.82	43	264695	229.05	ug/l	96
17) Carbon Disulfide	4.05	76	633537	46.14	ug/l	100
18) Methyl Acetate	4.33	43	164901	48.21	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	577668	50.29	ug/l	100
20) Methylene Chloride	4.55	84	247364	49.20	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	225041	50.22	ug/l	96
22) Diisopropyl ether	5.96	45	779515	52.02	ug/l	99
23) Vinyl Acetate	5.90	43	2421192	237.71	ug/l	99
24) 1,1-Dichloroethane	5.85	63	437969	49.59	ug/l	99
25) 2-Butanone	6.84	43	425035	238.12	ug/l	99
26) 2,2-Dichloropropane	6.83	77	311418	42.35	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	444602	87.96	ug/l	96
28) Bromochloromethane	7.20	49	210249	52.46	ug/l	93
29) Tetrahydrofuran	7.22	42	293910	245.90	ug/l	98
30) Chloroform	7.37	83	423906	49.91	ug/l	98
31) Cyclohexane	7.66	56	394560	49.27	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	365160	49.36	ug/l	98
36) 1,1-Dichloropropene	7.79	75	335277	50.25	ug/l	98
37) Ethyl Acetate	6.93	43	188558	47.19	ug/l	99
38) Carbon Tetrachloride	7.77	117	329180	48.29	ug/l	98

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048755.D
 Acq On : 30 May 2018 21:26
 Operator : MD\SY
 Sample : J3131-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 936-MW-17(20.5)MS

Manual Integrations
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 5/31/2018 3:07:08 PM

Quant Time: May 31 08:05:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	357501	49.29	ug/l	98
40) Benzene	8.05	78	991683	50.94	ug/l	100
41) Methacrylonitrile	7.17	41	117671	53.22	ug/l	98
42) 1,2-Dichloroethane	8.13	62	302327	49.75	ug/l	100
43) Isopropyl Acetate	8.17	43	365726	49.62	ug/l #	89
44) Trichloroethene	8.84	130	514335	102.66	ug/l	95
45) 1,2-Dichloropropane	9.12	63	269527	50.87	ug/l	99
46) Dibromomethane	9.21	93	150651	50.71	ug/l	95
47) Bromodichloromethane	9.40	83	329640	49.58	ug/l	98
48) Methyl methacrylate	9.20	41	186479	52.36	ug/l	98
49) 1,4-Dioxane	9.20	88	43043	979.48	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	981842	252.85	ug/l	100
52) Toluene	10.16	92	598376	52.08	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	335863	50.25	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	384792	49.50	ug/l	97
55) 1,1,2-Trichloroethane	10.57	97	213479	51.75	ug/l	99
56) Ethyl methacrylate	10.44	69	281878	48.87	ug/l	99
57) 1,3-Dichloropropane	10.71	76	373246	51.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.72	63	2542	12.51	ug/l #	48
59) 2-Hexanone	10.76	43	636198	248.51	ug/l	99
60) Dibromochloromethane	10.90	129	251124	51.92	ug/l	99
61) 1,2-Dibromoethane	11.01	107	207530	50.96	ug/l	99
64) Tetrachloroethene	10.63	164	20433210m	4512.58	ug/l	
65) Chlorobenzene	11.44	112	656094	50.09	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	243677	49.42	ug/l	100
67) Ethyl Benzene	11.52	91	1159494	51.13	ug/l	99
68) m/p-Xylenes	11.62	106	885089	103.53	ug/l	100
69) o-Xylene	11.95	106	429214	52.05	ug/l	100
70) Styrene	11.97	104	689158	53.16	ug/l	100
71) Bromoform	12.13	173	163465	51.27	ug/l #	99
73) Isopropylbenzene	12.25	105	1135009	49.59	ug/l	100
74) N-amyl acetate	12.07	43	316551	46.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	265448	47.10	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	203243m	45.98	ug/l	
77) Bromobenzene	12.53	156	274377	49.30	ug/l	98
78) n-propylbenzene	12.60	91	1335071	50.79	ug/l	98
79) 2-Chlorotoluene	12.68	91	791950	50.23	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	927096	50.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	71445	44.63	ug/l	99
82) 4-Chlorotoluene	12.78	91	794967	50.77	ug/l	99
83) tert-Butylbenzene	13.00	119	795699	48.51	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	946560	51.07	ug/l	99
85) sec-Butylbenzene	13.17	105	1081883	49.73	ug/l	100
86) p-Isopropyltoluene	13.29	119	929615	50.09	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	487181	49.66	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	470233	49.40	ug/l	99
89) n-Butylbenzene	13.62	91	757608	48.59	ug/l	99
90) Hexachloroethane	13.88	117	181914	45.75	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	464837	48.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37536	44.88	ug/l	93

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048755.D
 Acq On : 30 May 2018 21:26
 Operator : MD\SY
 Sample : J3131-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampleId :
 936-MW-17(20.5)MS

Manual Integrations
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 5/31/2018 3:07:08 PM

Quant Time: May 31 08:05:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	205749	41.50	ug/l	99
94) Hexachlorobutadiene	15.01	225	118472	38.43	ug/l	100
95) Naphthalene	15.14	128	428823	39.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	208681	43.13	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

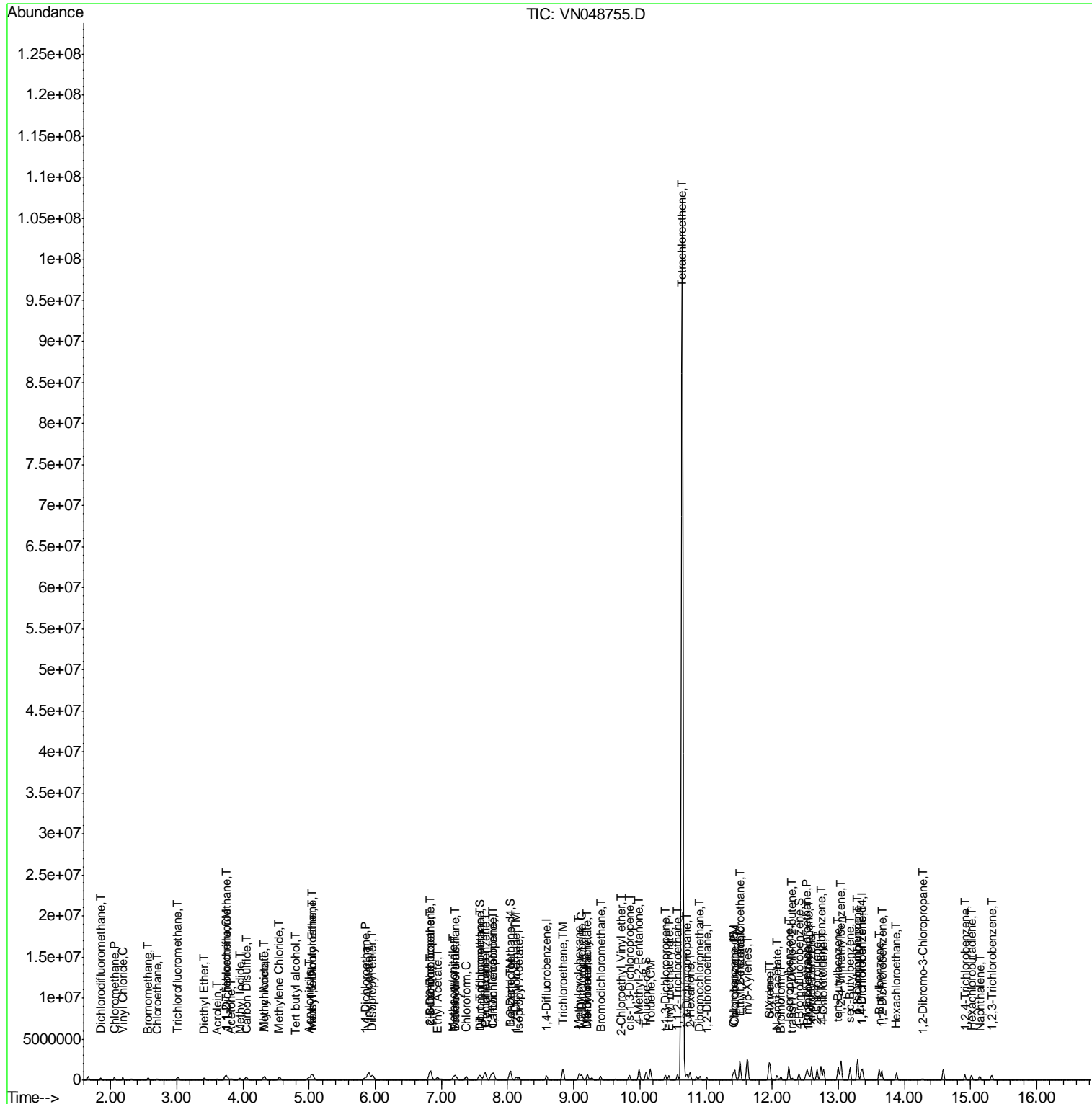
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- 15
- 16

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048755.D
 Acq On : 30 May 2018 21:26
 Operator : MD\SY
 Sample : J3131-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

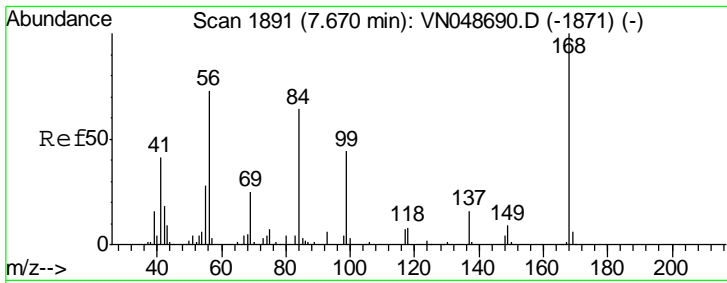
Instrument :
 MSVOA_N
 Client Sample Id :
 936-MW-17(20.5)MS

Quant Time: May 31 08:05:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Manual Integrations
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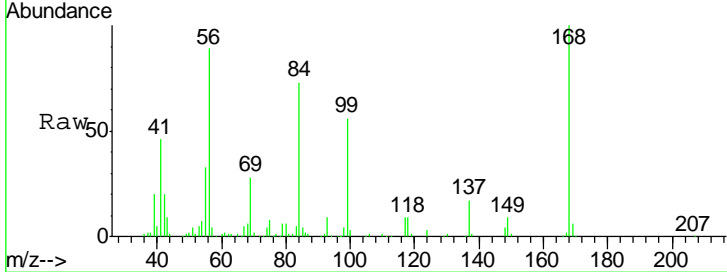


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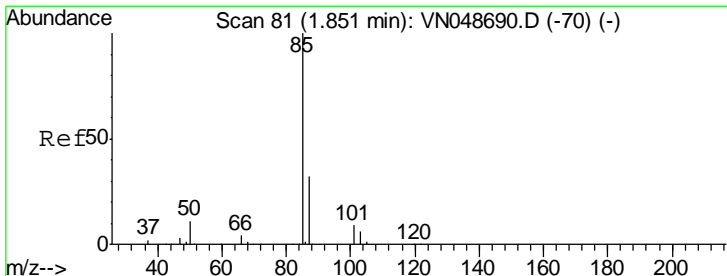
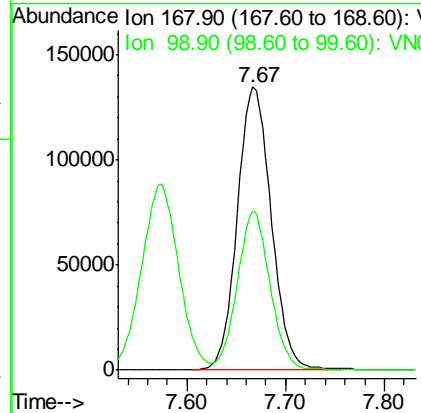
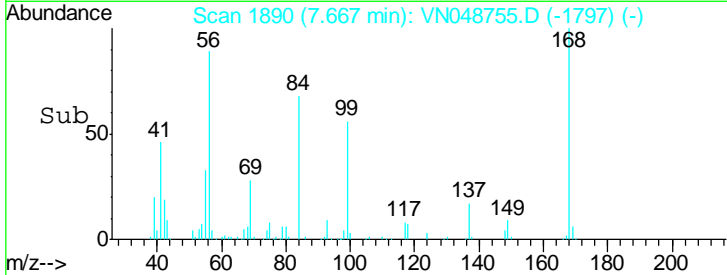
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MS

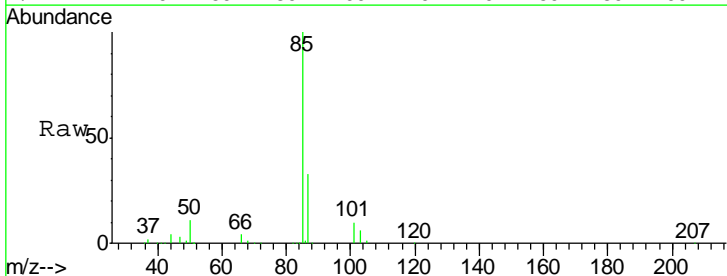


Tgt Ion: 168 Resp: 321887
 Ion Ratio Lower Upper
 168 100
 99 55.9 40.8 61.2

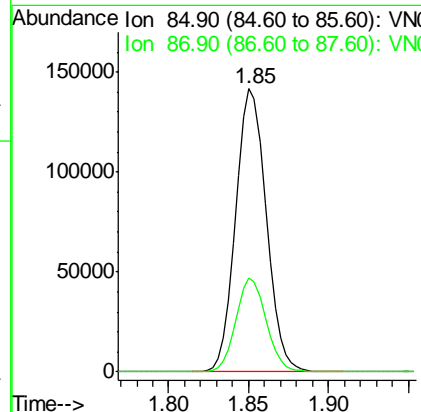
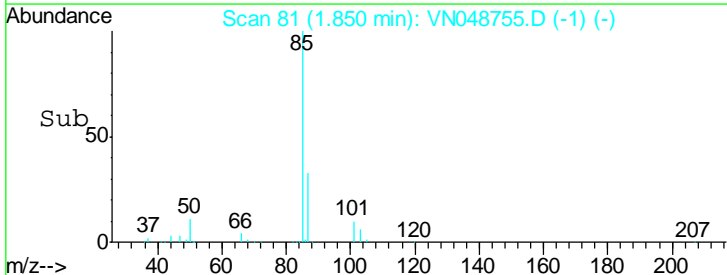
Manual Integrations
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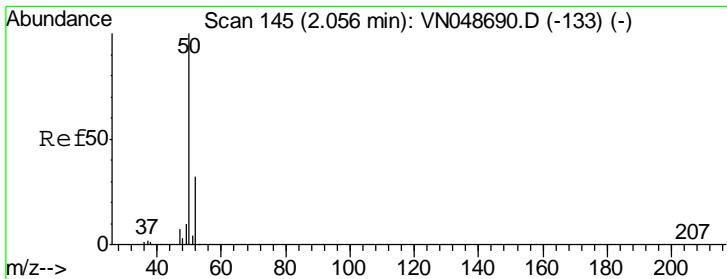


#2
 Dichlorodifluoromethane
 Concen: 47.83 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26



Tgt Ion: 85 Resp: 184008
 Ion Ratio Lower Upper
 85 100
 87 33.0 15.9 47.7





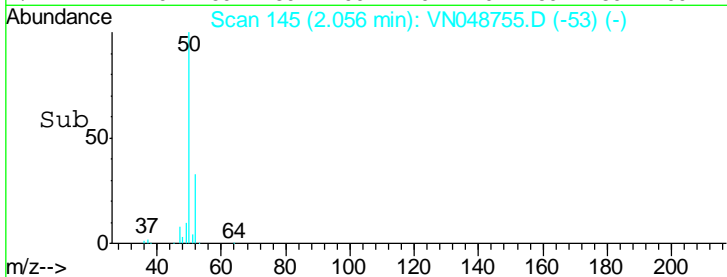
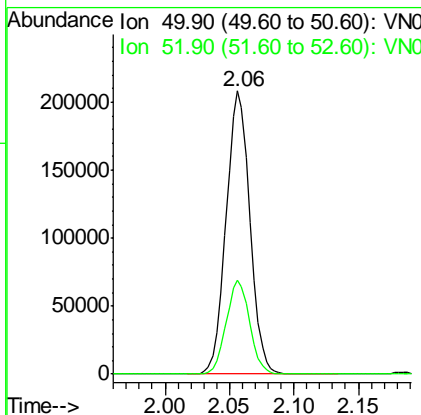
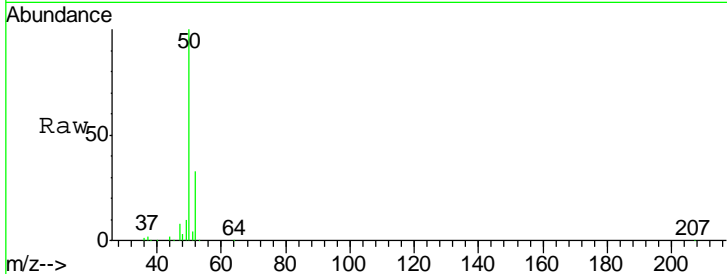
#3
 Chloromethane
 Concen: 49.10 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.1	26.0	39.0

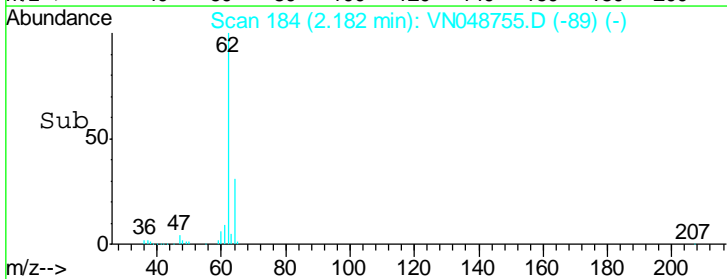
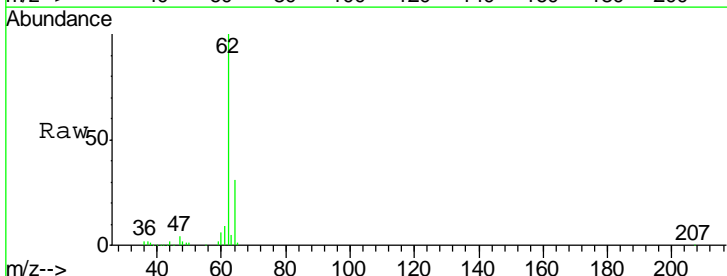
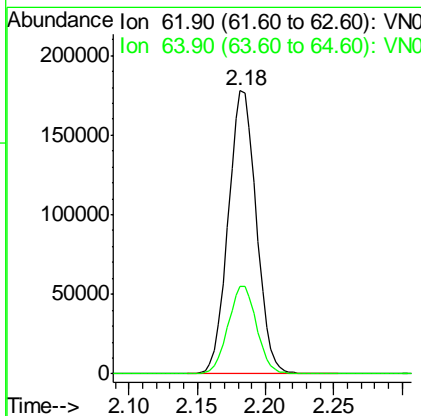
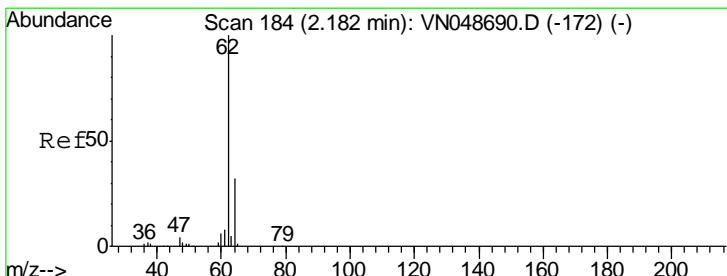
Manual Integrations
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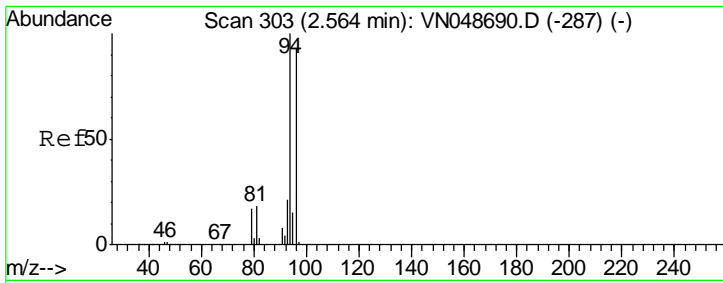
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#4
 Vinyl Chloride
 Concen: 50.06 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.0	25.6	38.4



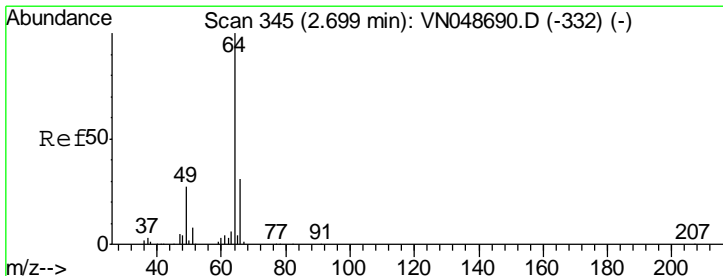
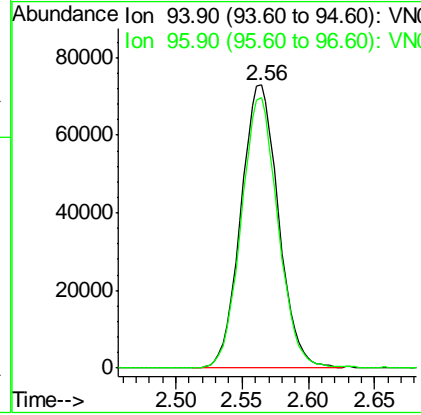
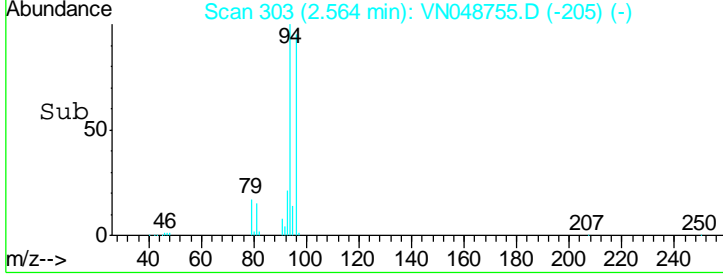
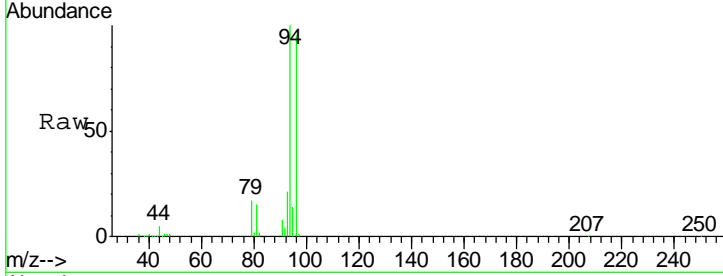


#5
 Bromomethane
 Concen: 54.41 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.02 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
94	143755		
96	95.5	78.0	117.0

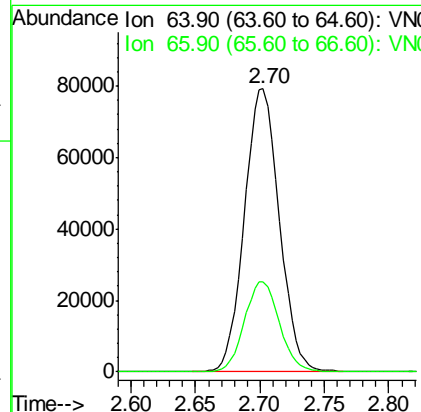
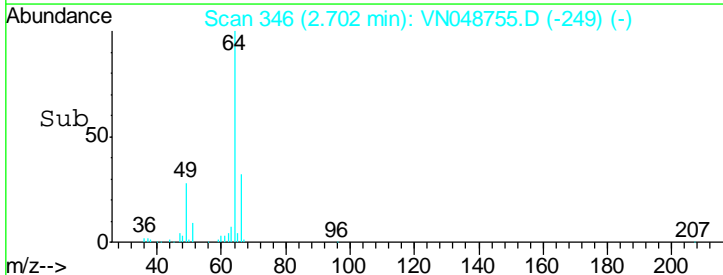
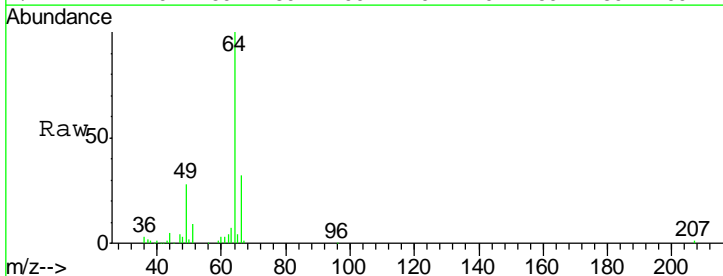
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

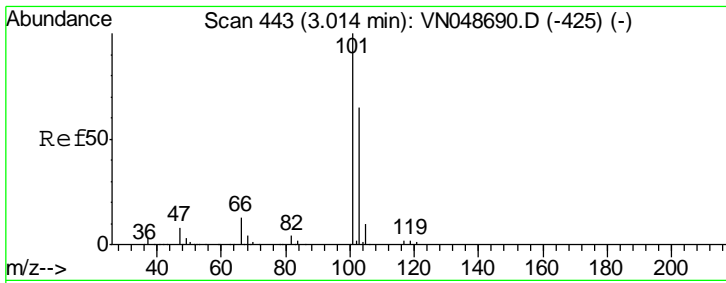
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 51.49 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
64	148439		
66	32.1	24.8	37.2



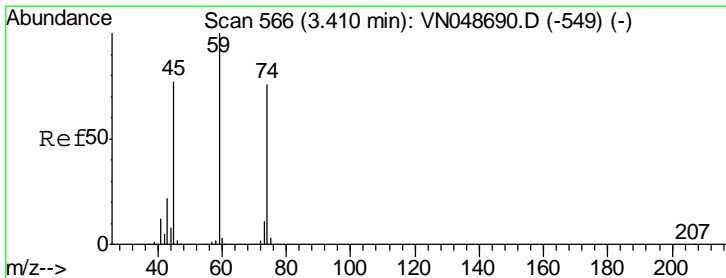
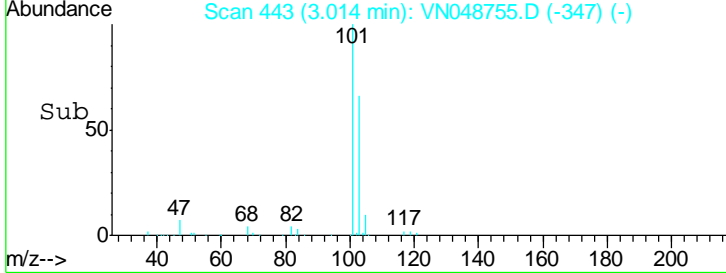
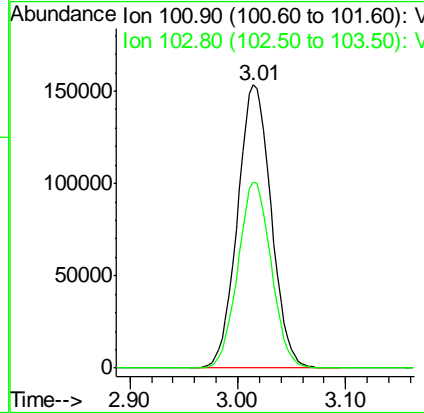
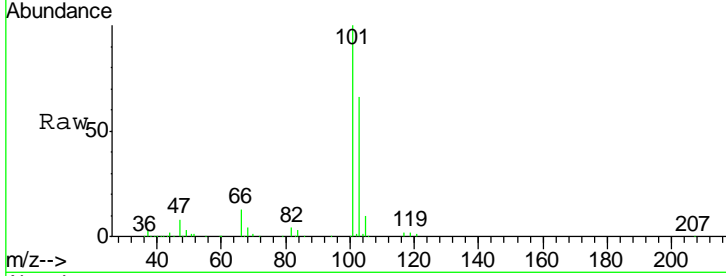


#7
 Trichlorofluoromethane
 Concen: 48.60 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
101	333601		
103	65.8	50.8	76.2

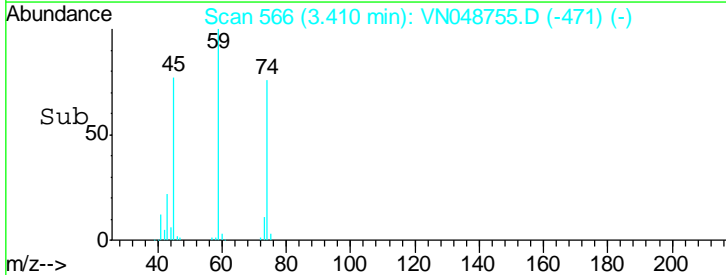
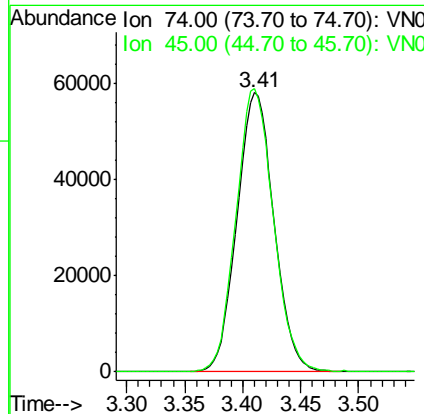
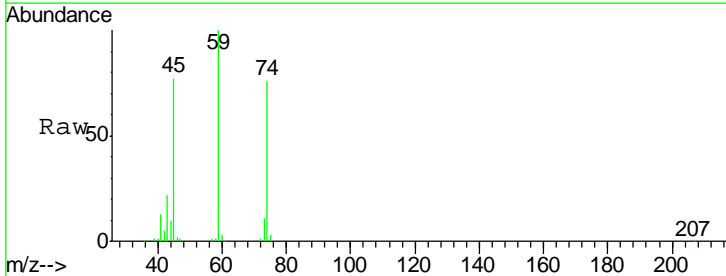
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MS

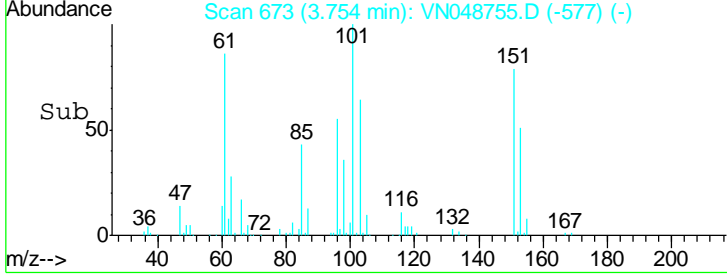
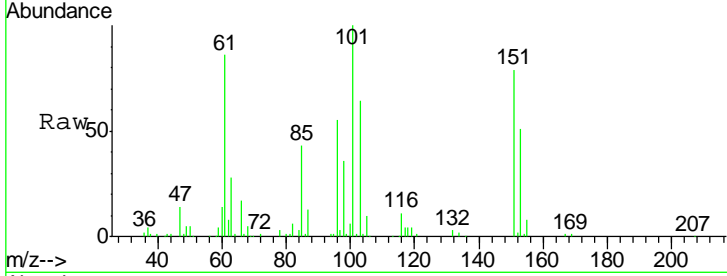
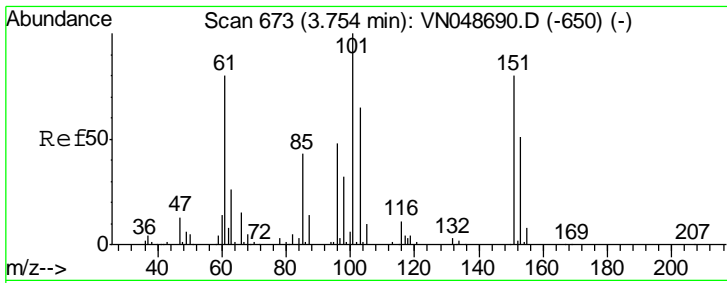
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#8
 Diethyl Ether
 Concen: 50.68 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
74	128817		
45	102.3	50.0	150.0



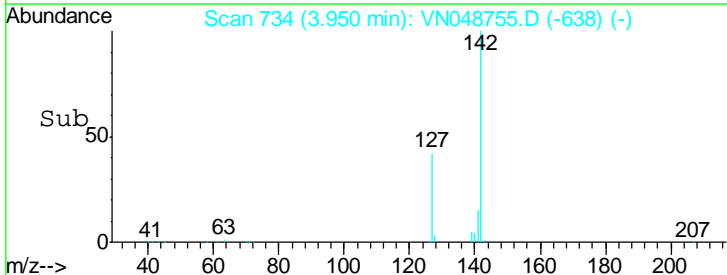
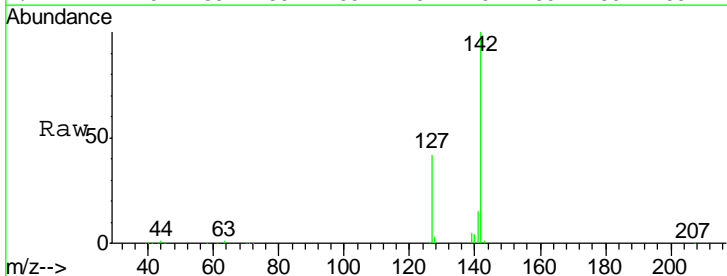
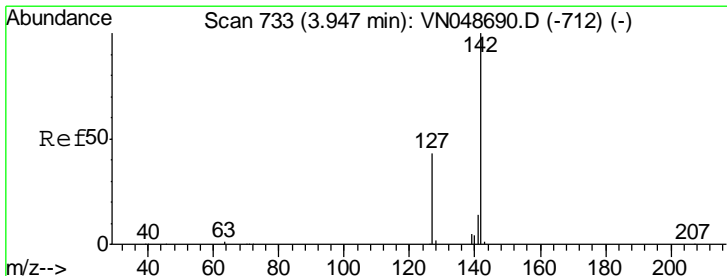
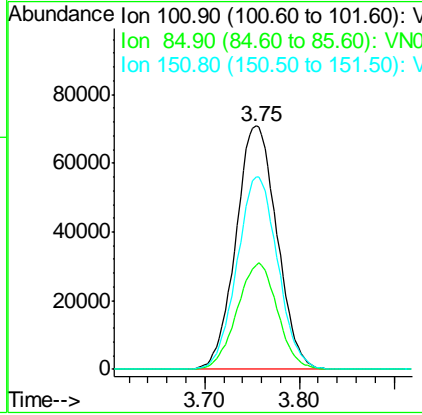


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.43 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
101	213157		
101	100		
85	43.1	33.3	49.9
151	78.4	66.5	99.7

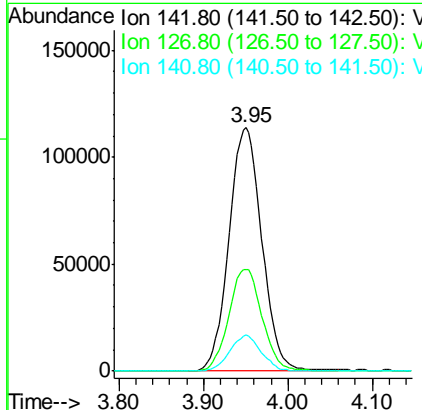
Instrument : MSVOA_N
 ClientSampleId : 936-MW-17(20.5)MS

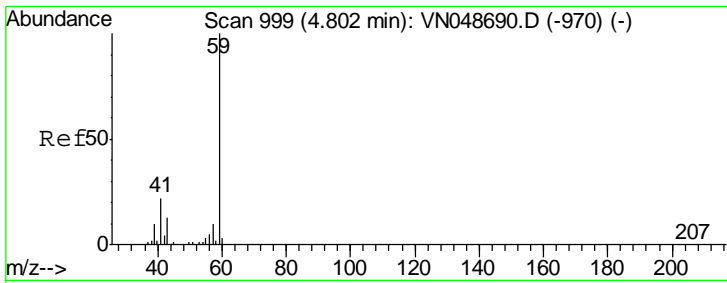
Manual Integrations
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#10
 Methyl Iodide
 Concen: 50.74 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
142	308874		
142	100		
127	42.5	32.5	48.7
141	14.1	11.3	16.9



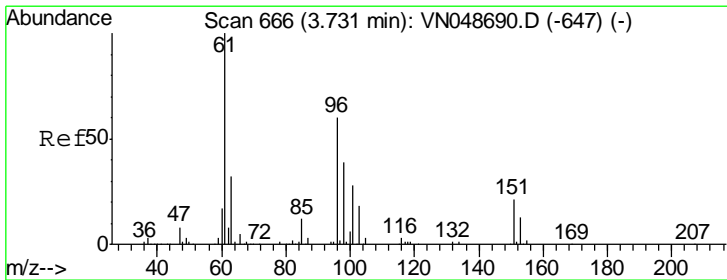
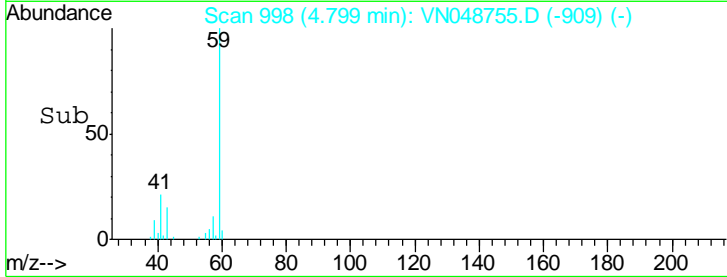
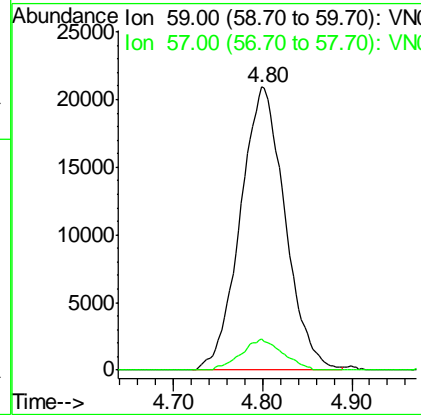
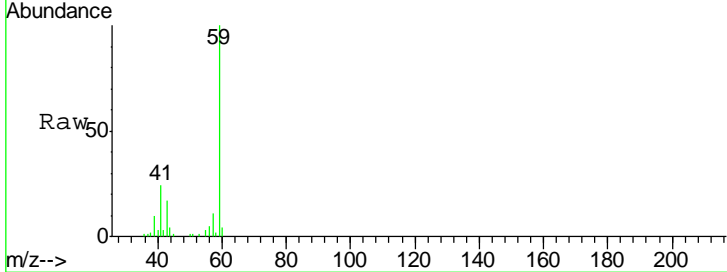


#11
 Tert butyl alcohol
 Concen: 225.35 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
59	72849		
57	10.2	8.1	12.1

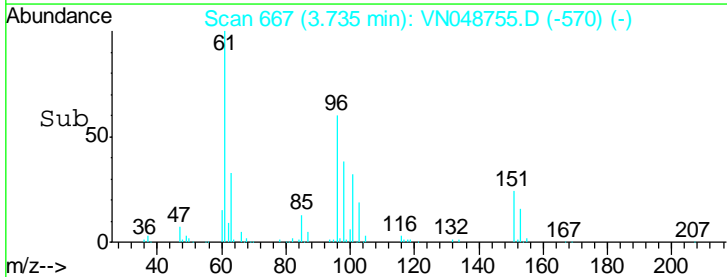
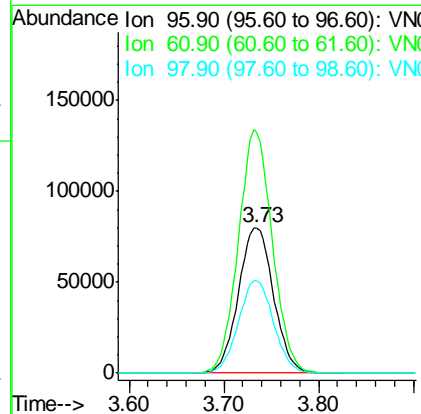
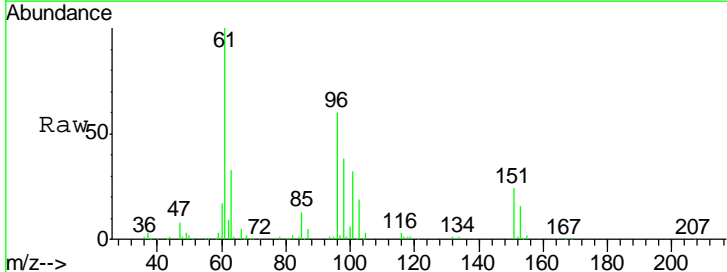
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MS

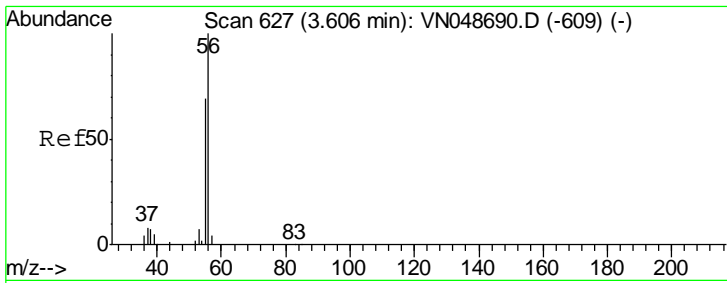
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#12
 1,1-Dichloroethene
 Concen: 49.11 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
96	206249		
61	165.8	125.6	188.4
98	63.8	51.0	76.4



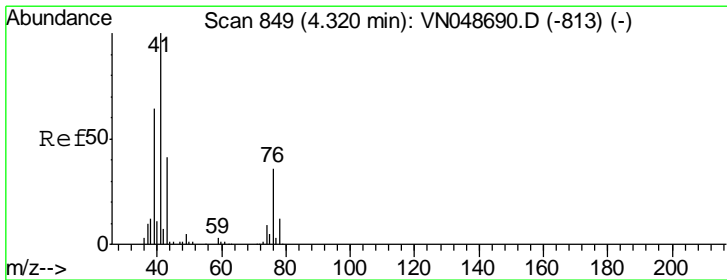
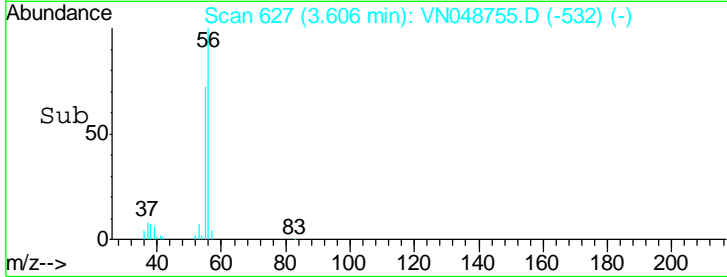
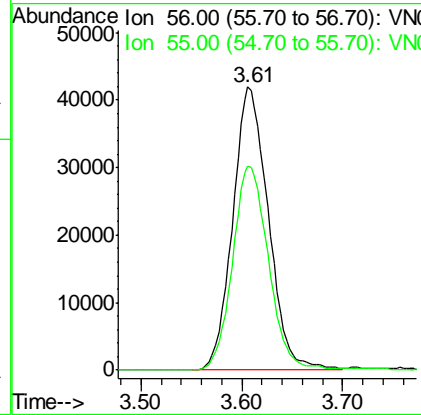
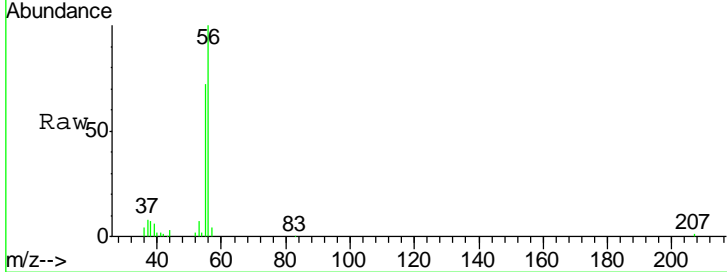


#13
 Acrolein
 Concen: 213.27 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
56	102935		
55	72.3	57.1	85.7

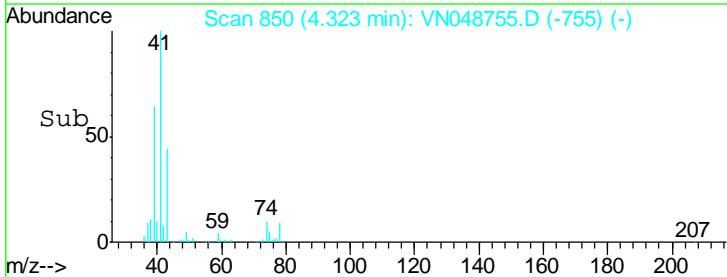
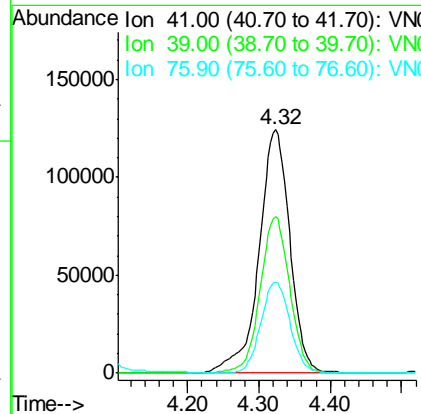
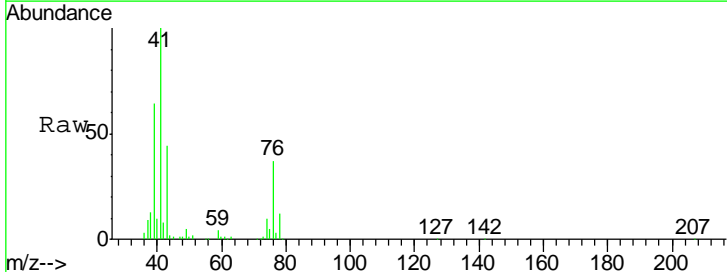
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MS

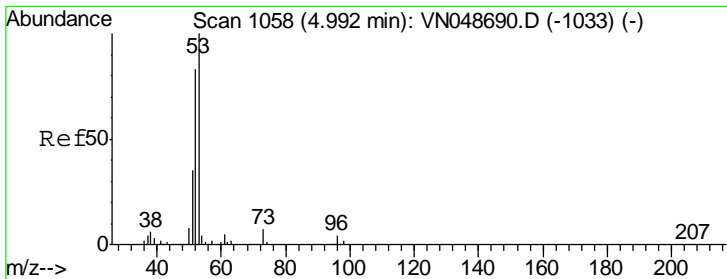
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#14
 Allyl chloride
 Concen: 47.61 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
41	373914		
39	61.5	51.1	76.7
76	34.9	28.2	42.2





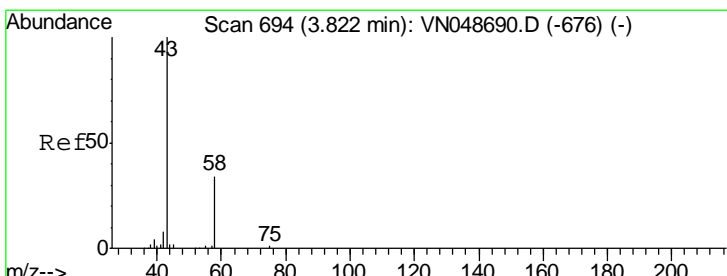
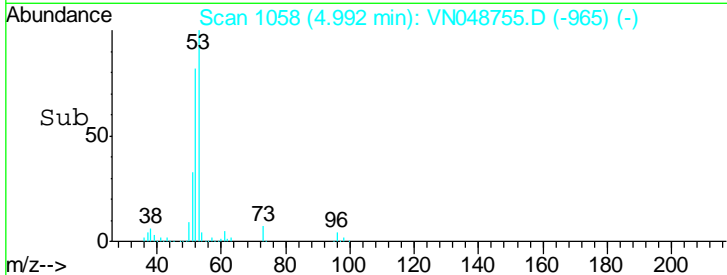
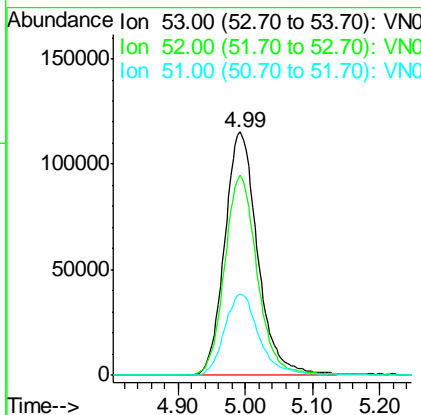
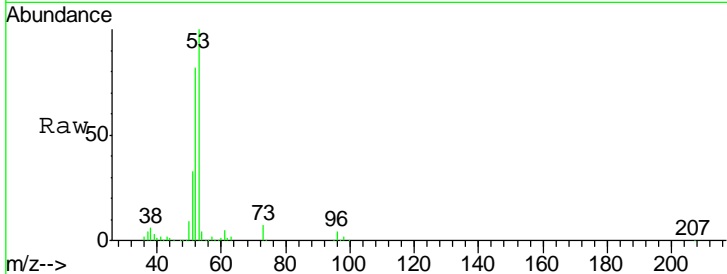
#15
 Acrylonitrile
 Concen: 258.81 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
53	100		
52	80.5	65.5	98.3
51	34.9	28.8	43.2

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

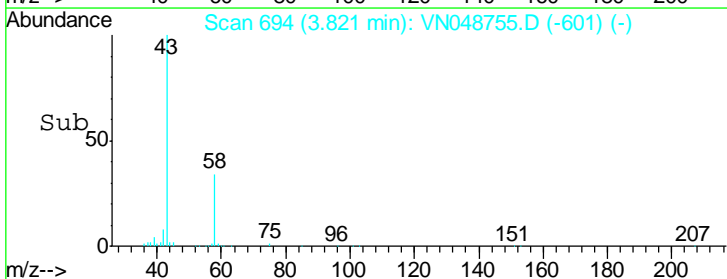
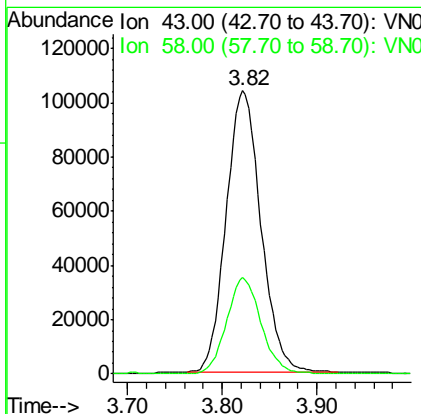
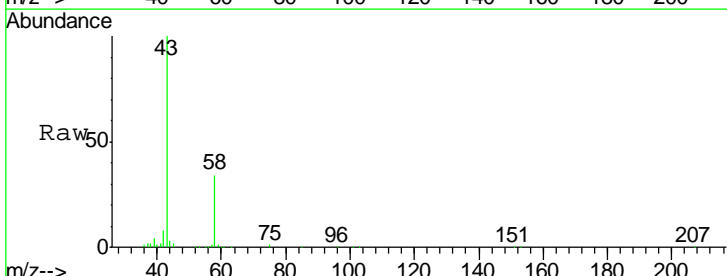
Manual Integrations
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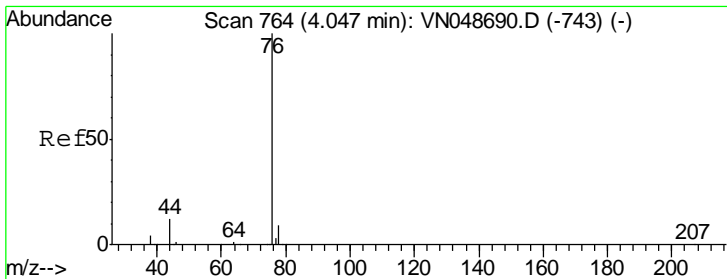
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#16
 Acetone
 Concen: 229.05 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
43	100		
58	34.0	25.4	38.0



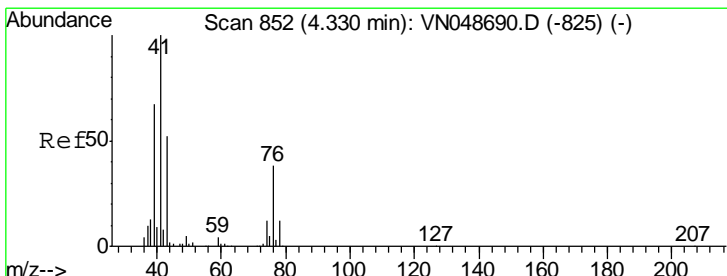
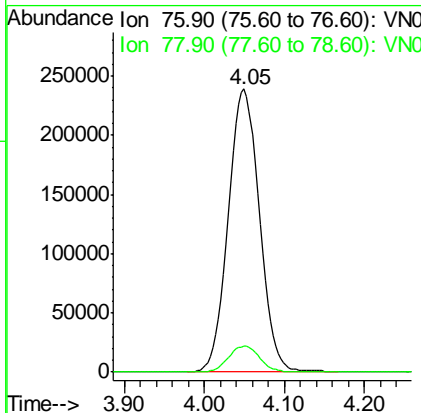
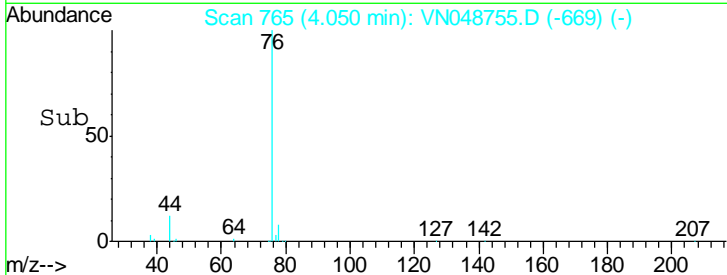
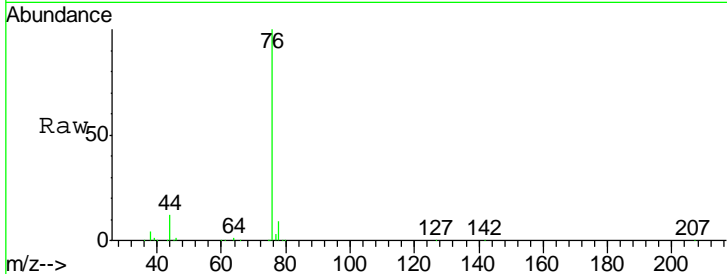


#17
 Carbon Disulfide
 Concen: 46.14 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.0	7.2	10.8

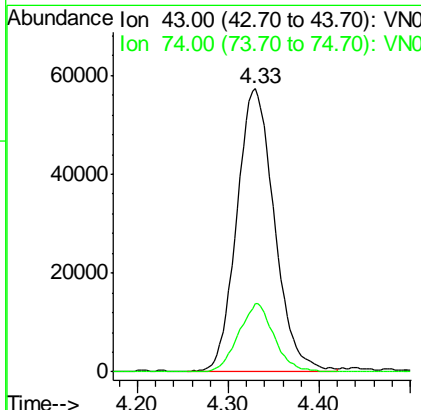
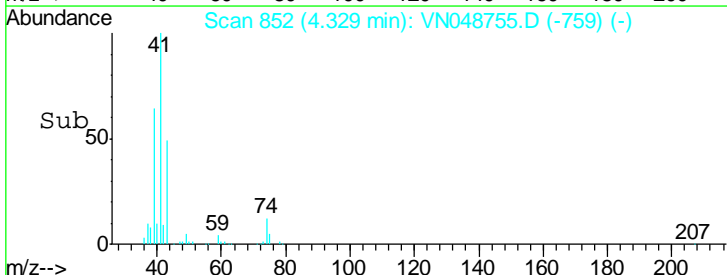
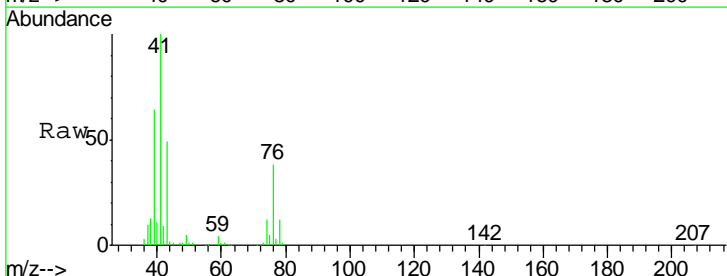
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MS

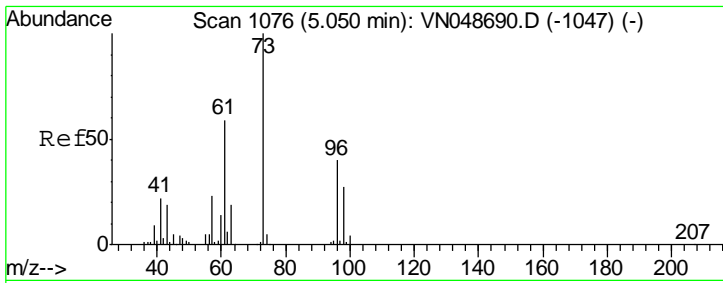
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#18
 Methyl Acetate
 Concen: 48.21 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

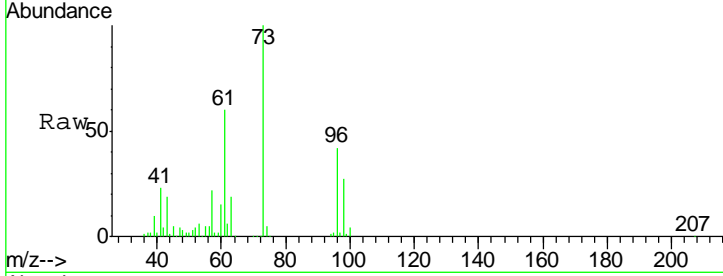
Tgt Ion	Resp	Lower	Upper
43	100		
74	22.8	18.4	27.6





#19
 Methyl tert-butyl Ether
 Concen: 50.29 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

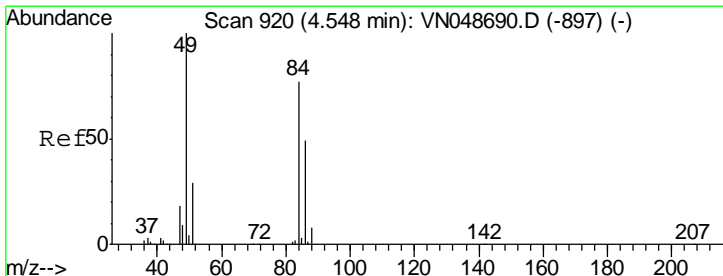
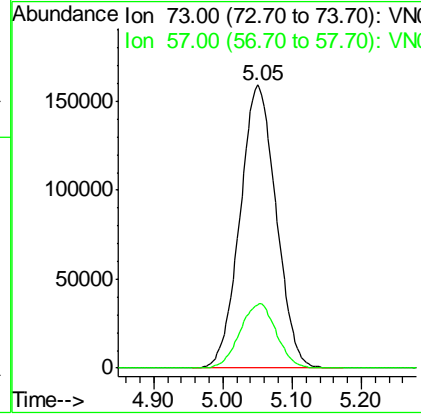
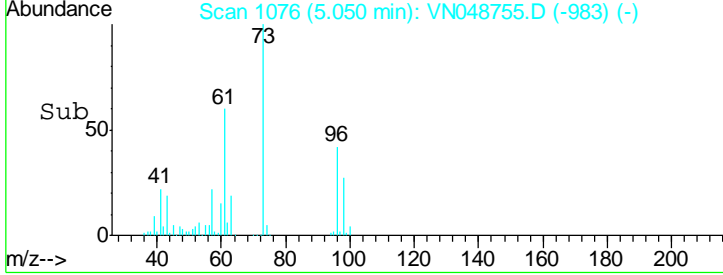
Instrument :
 MSVOA_N
 ClientSampleId :
 936-MW-17(20.5)MS



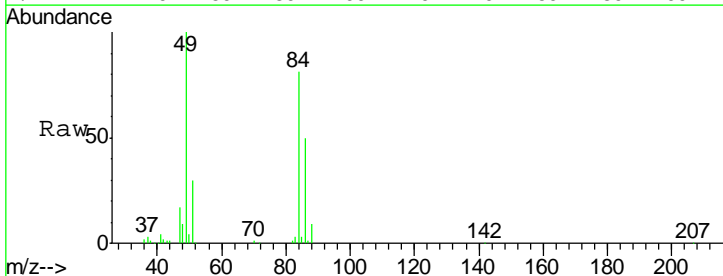
Tgt Ion: 73 Resp: 577668

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.0	27.0

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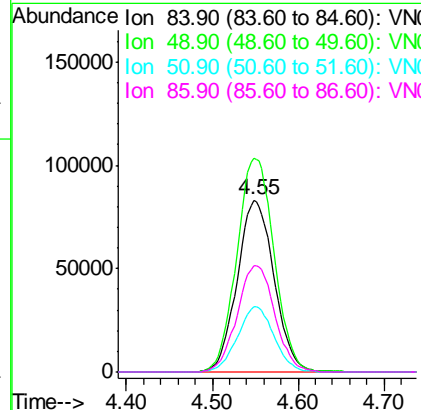
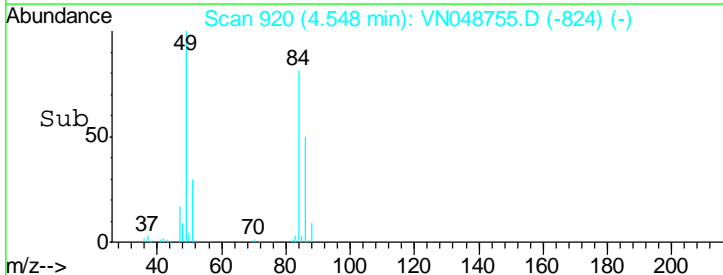


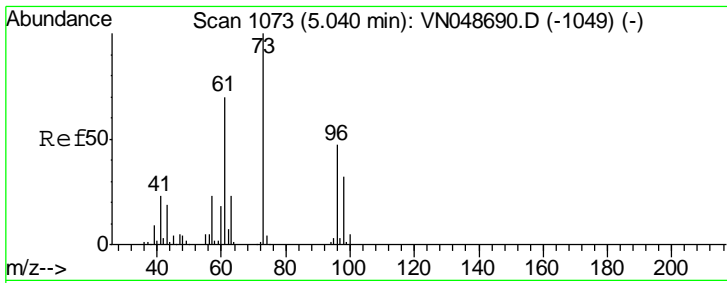
#20
 Methylene Chloride
 Concen: 49.20 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26



Tgt Ion: 84 Resp: 247364

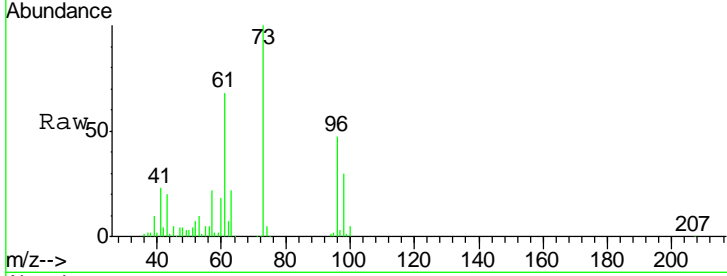
Ion	Ratio	Lower	Upper
84	100		
49	124.1	97.7	146.5
51	37.8	30.4	45.6
86	61.5	51.8	77.8





#21
 trans-1,2-Dichloroethene
 Concen: 50.22 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

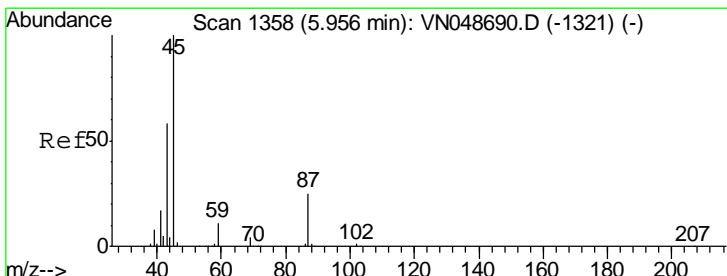
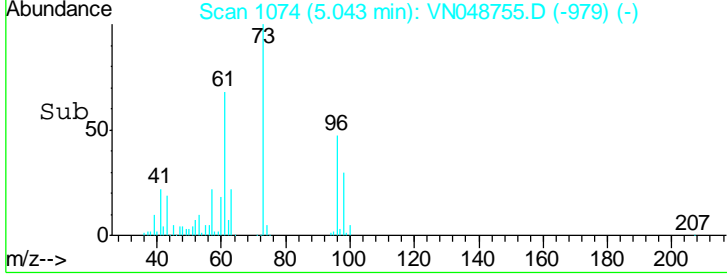
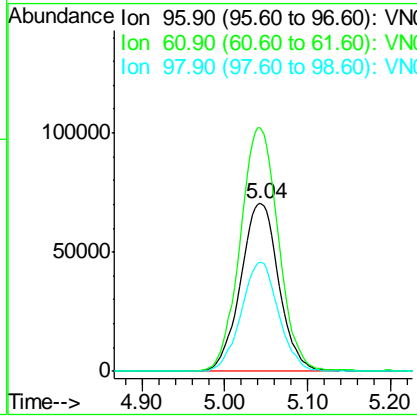
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS



Tgt Ion: 96 Resp: 225041

Ion	Ratio	Lower	Upper
96	100		
61	145.1	112.2	168.2
98	65.1	50.5	75.7

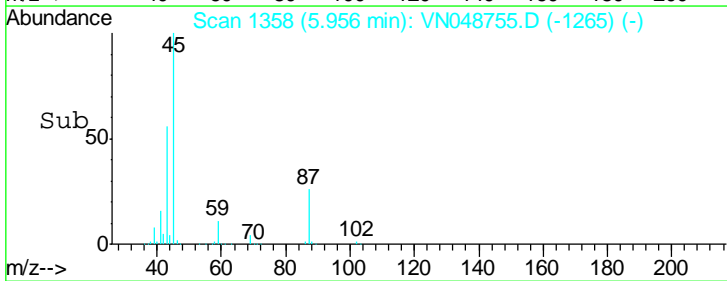
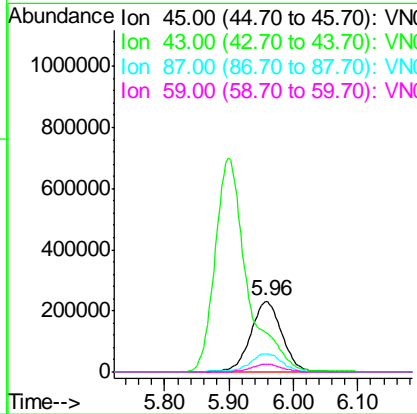
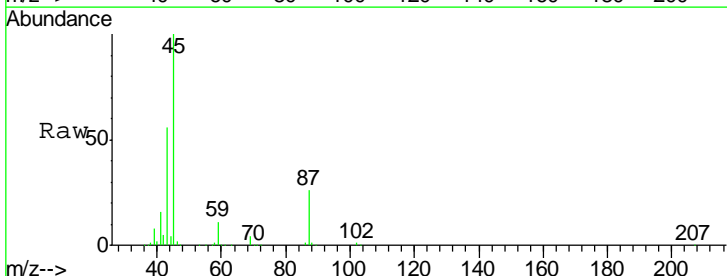
Manual Integrations
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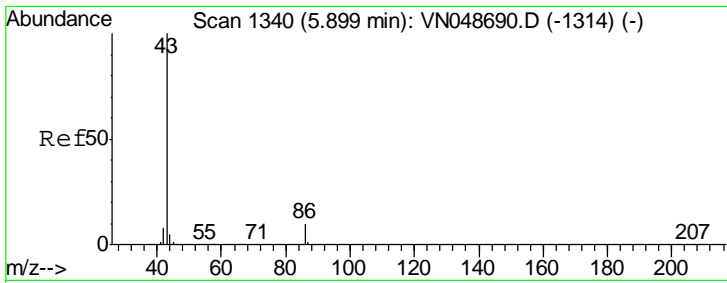


#22
 Diisopropyl ether
 Concen: 52.02 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion: 45 Resp: 779515

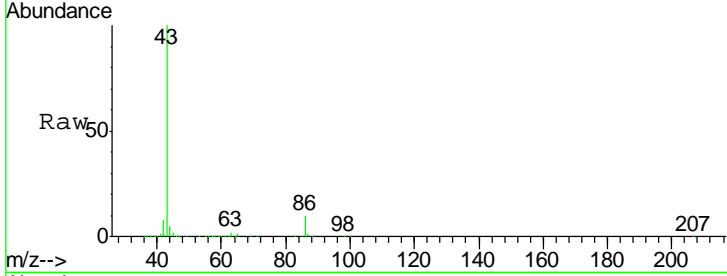
Ion	Ratio	Lower	Upper
45	100		
43	54.9	43.8	65.8
87	26.1	21.8	32.6
59	11.0	9.2	13.8





#23
 Vinyl Acetate
 Concen: 237.71 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

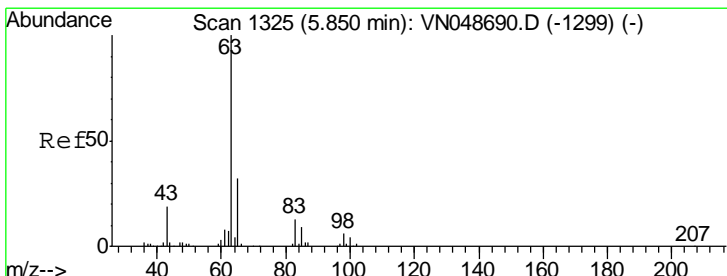
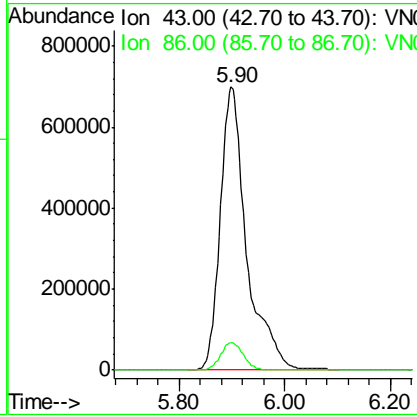
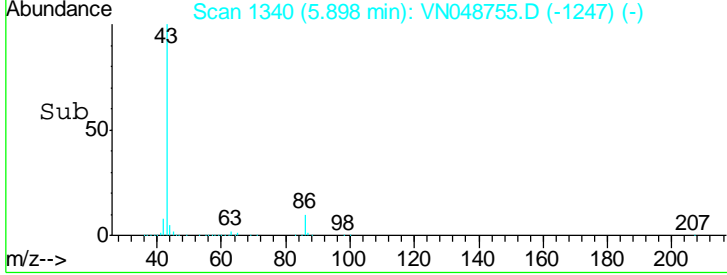
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS



Tgt Ion: 43 Resp: 2421192

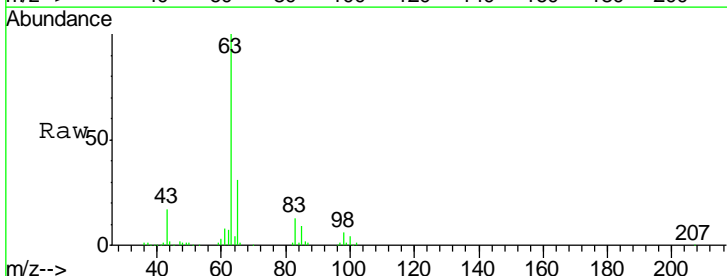
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.2	12.2

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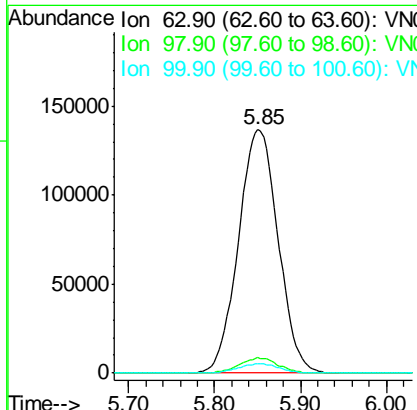
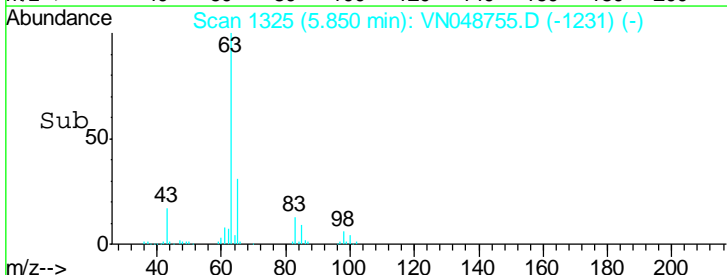
#24
 1,1-Dichloroethane
 Concen: 49.59 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

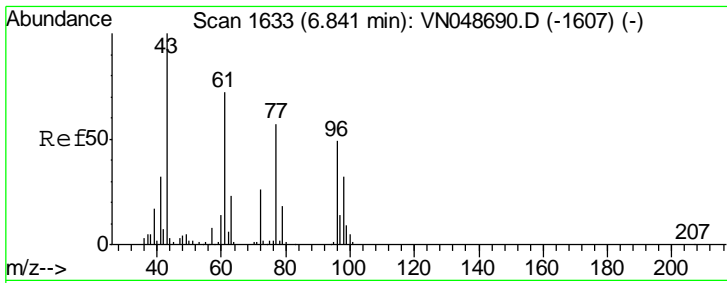
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS



Tgt Ion: 63 Resp: 437969

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.2	9.6
100	3.8	2.1	6.3



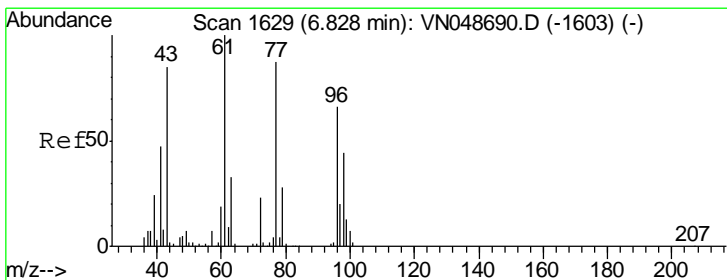
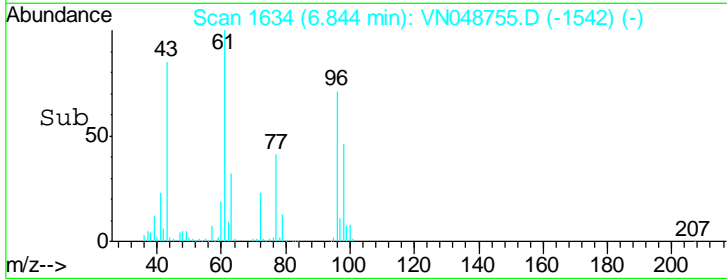
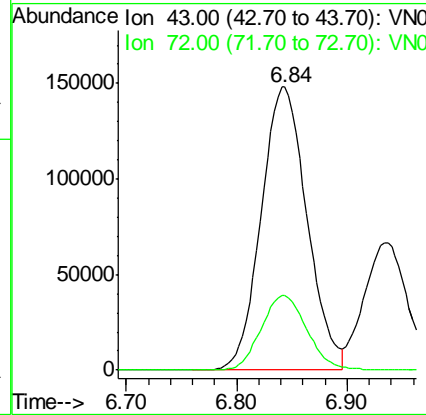
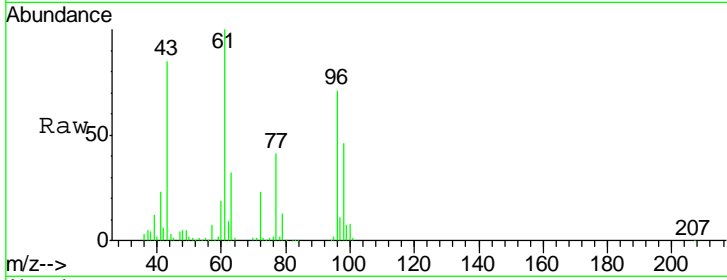


#25
 2-Butanone
 Concen: 238.12 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MS

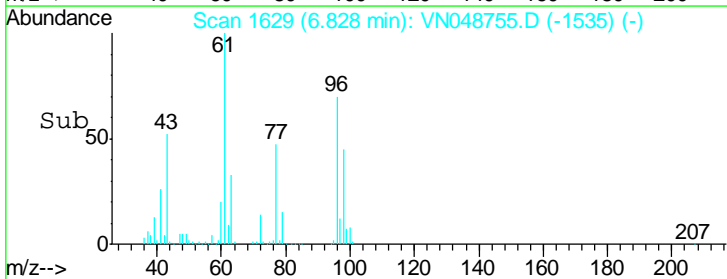
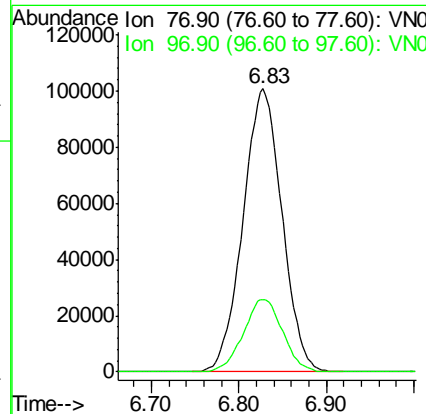
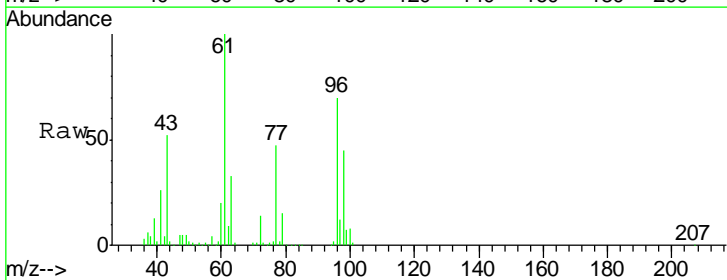
Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.5	20.8	31.2

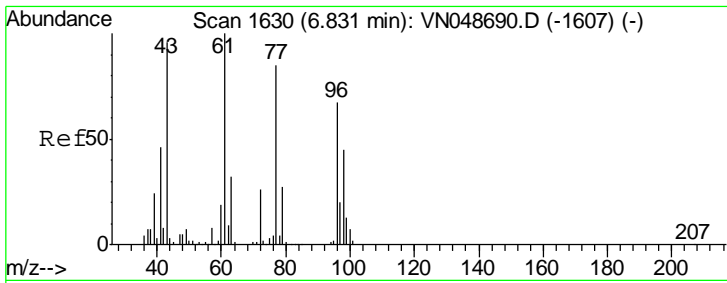
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#26
 2,2-Dichloropropane
 Concen: 42.35 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.8	11.9	35.5



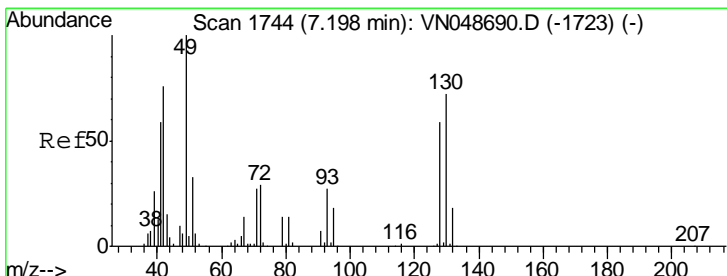
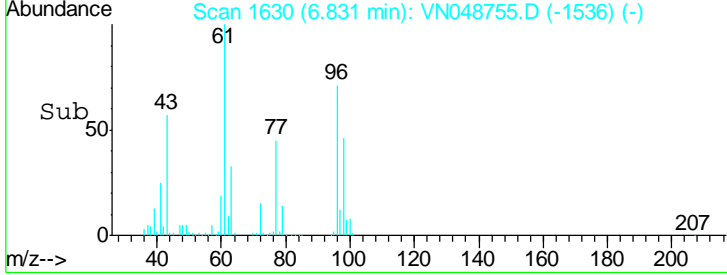
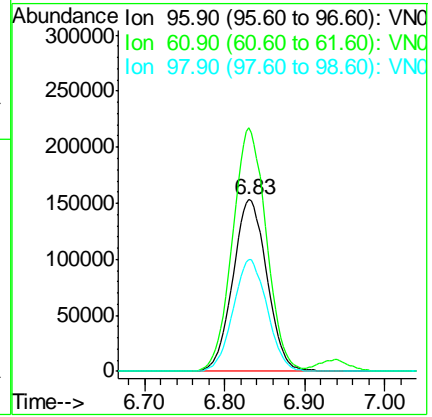
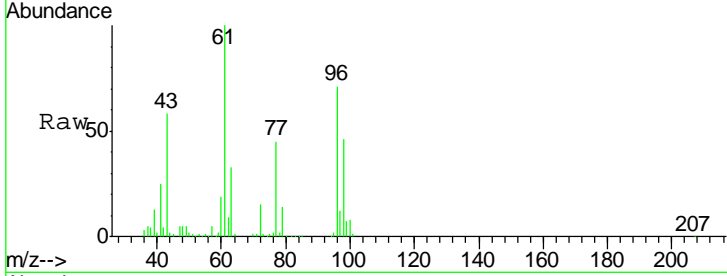


#27
 cis-1,2-Dichloroethene
 Concen: 87.96 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MS

Tgt Ion	Resp	Lower	Upper
96	444602		
96	100		
61	140.1	0.0	292.6
98	64.9	0.0	128.2

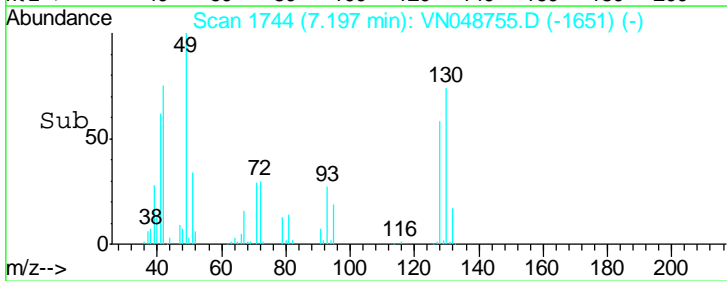
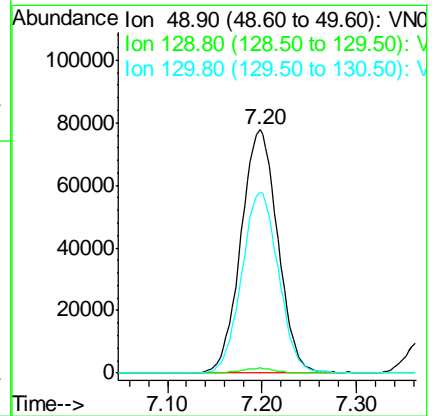
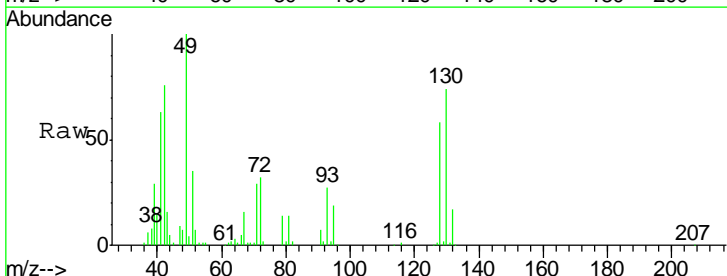
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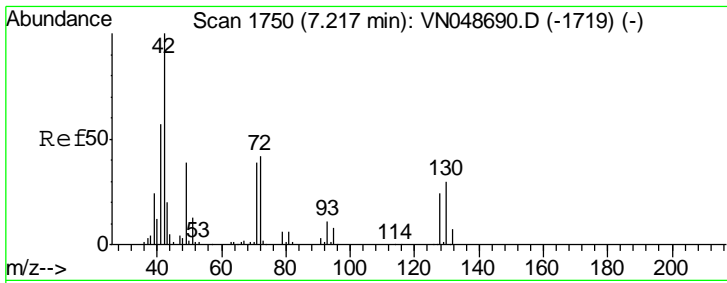


#28
 Bromochloromethane
 Concen: 52.46 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MS

Tgt Ion	Resp	Lower	Upper
49	210249		
49	100		
129	1.9	0.0	3.8
130	74.2	64.2	96.2



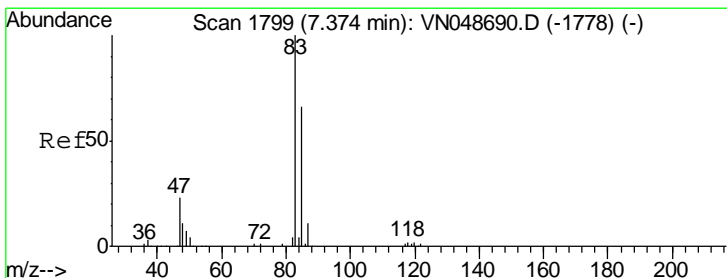
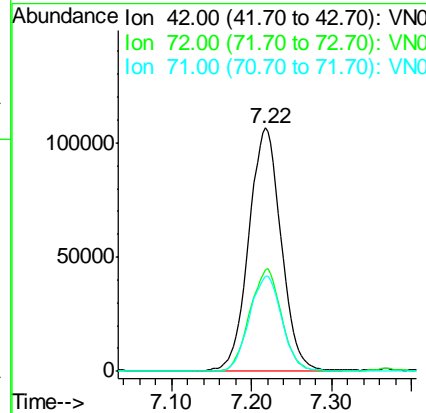
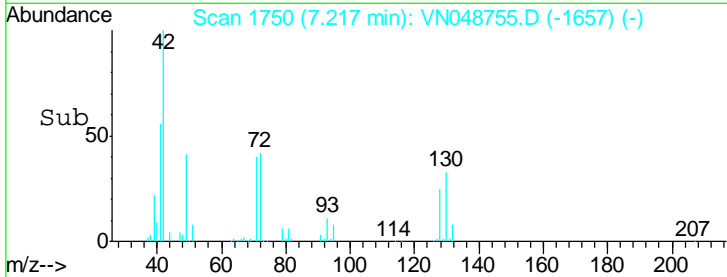
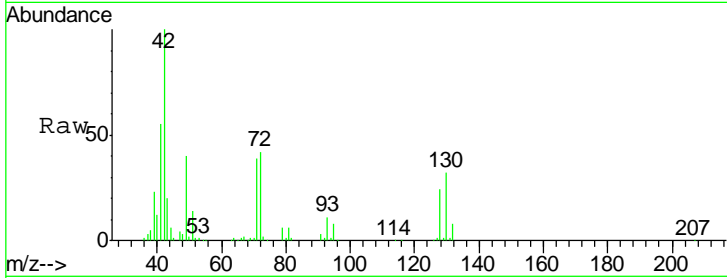


#29
 Tetrahydrofuran
 Concen: 245.90 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
42	100		
72	41.1	34.2	51.4
71	39.2	31.8	47.8

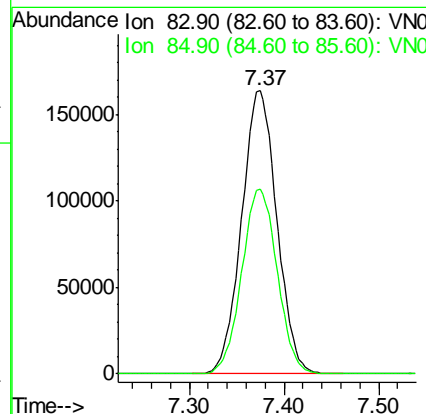
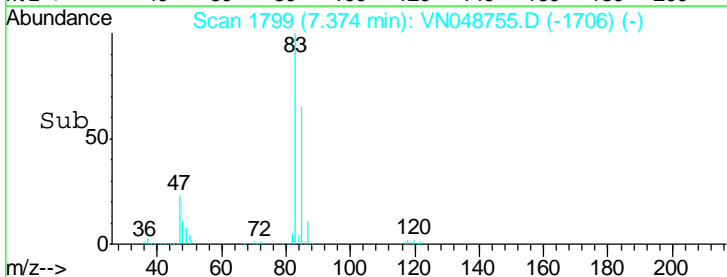
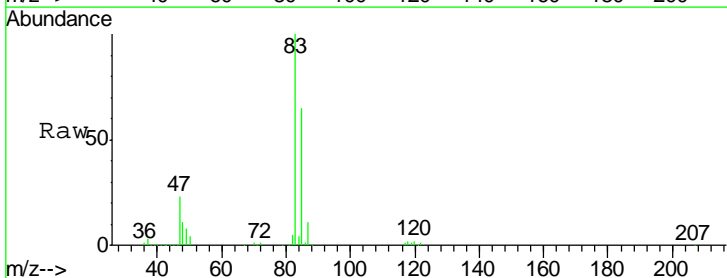
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

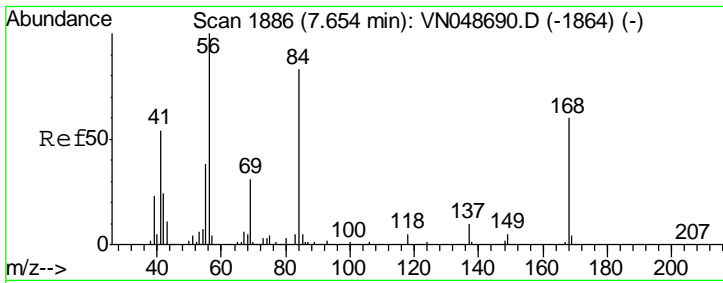
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#30
 Chloroform
 Concen: 49.91 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.1	51.1	76.7





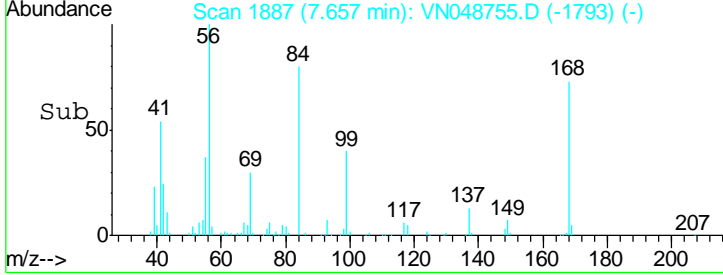
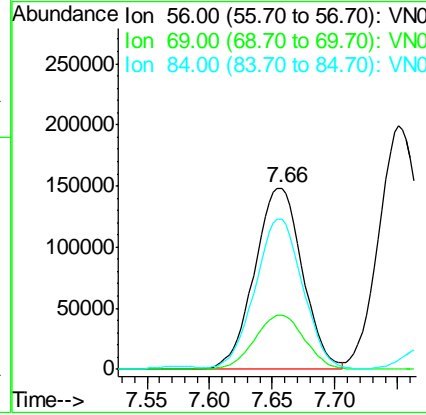
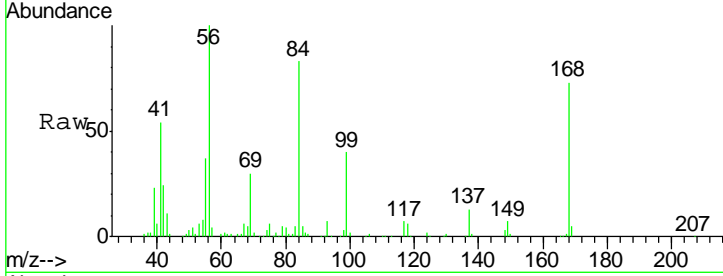
#31
 Cyclohexane
 Concen: 49.27 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 ClientSampleId : 936-MW-17(20.5)MS

Tgt Ion	Resp	Lower	Upper
56	100		
69	29.9	25.6	38.4
84	81.6	67.5	101.3

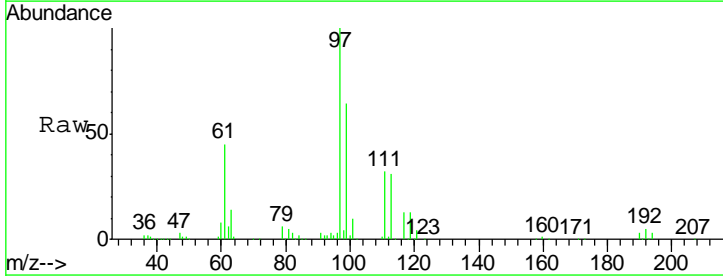
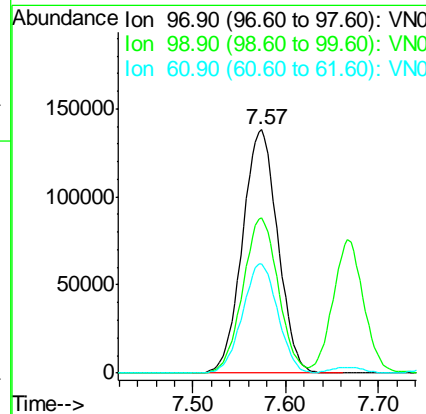
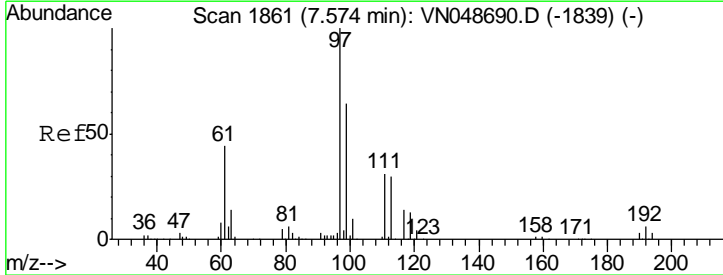
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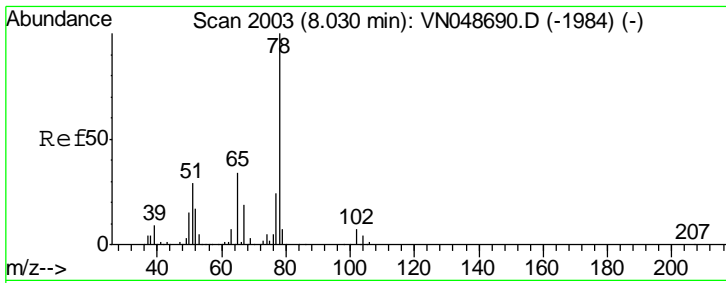
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#32
 1,1,1-Trichloroethane
 Concen: 49.36 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	44.9	34.2	51.2



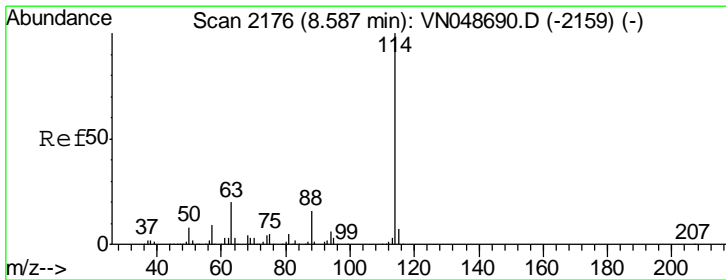
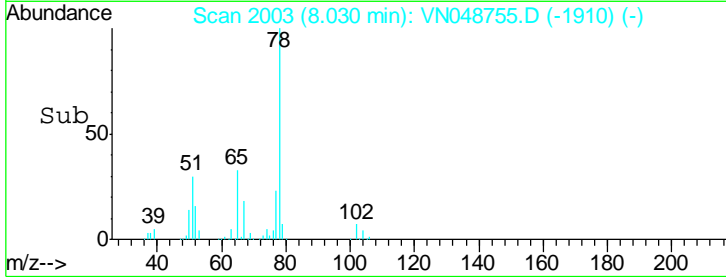
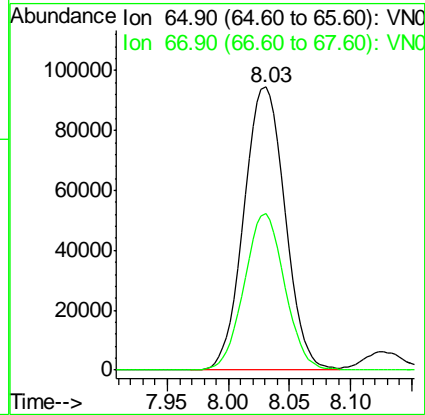
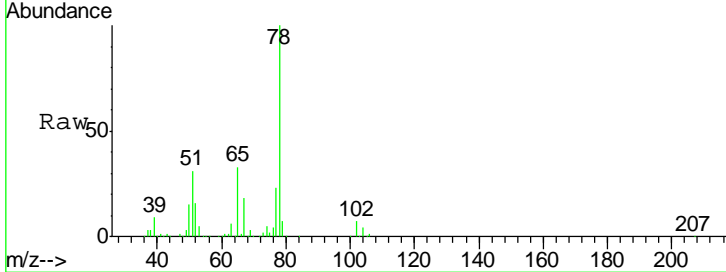


#33
 1,2-Dichloroethane-d4
 Concen: 47.29 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 ClientSampleId : 936-MW-17(20.5)MS

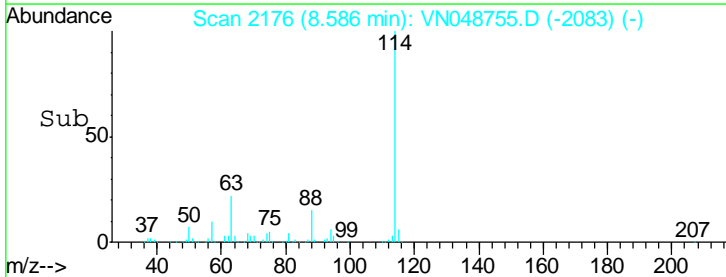
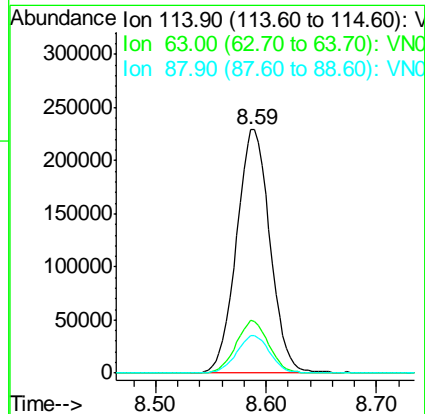
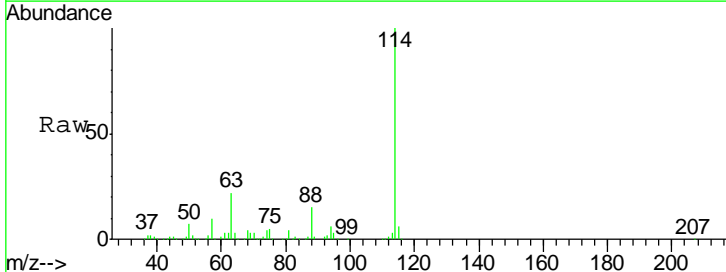
Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.4

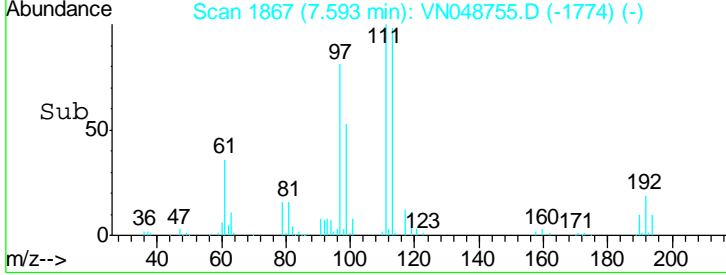
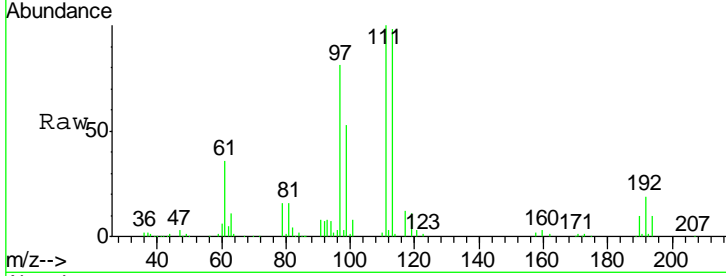
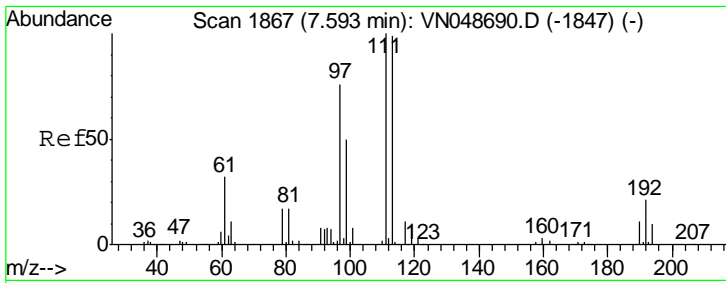
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	40.0
88	15.3	0.0	31.0



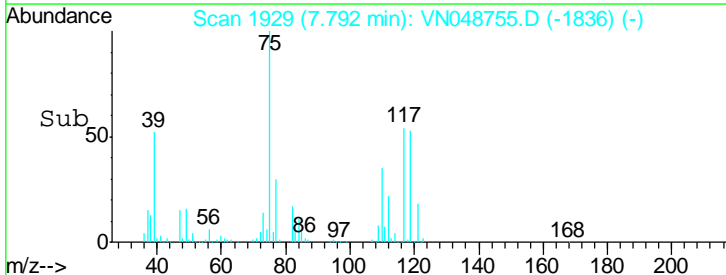
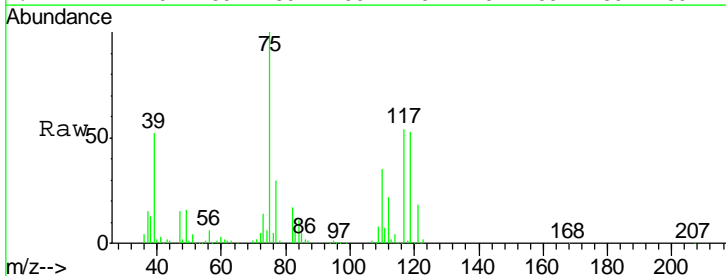
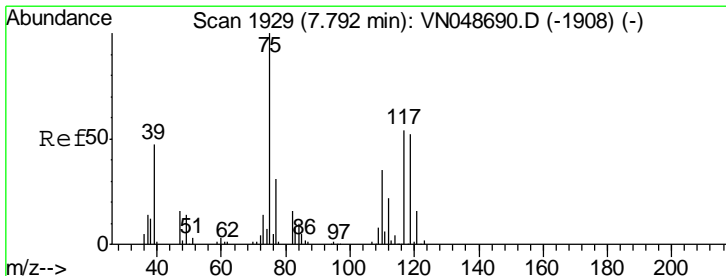
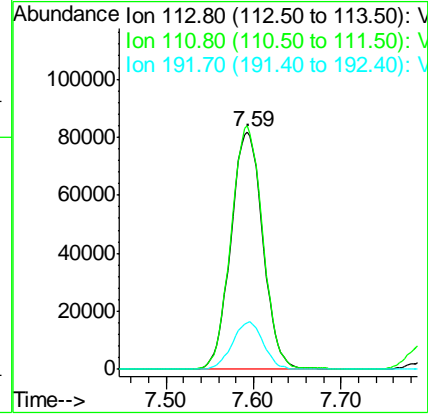


#35
 Dibromofluoromethane
 Concen: 50.73 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
113	100		
111	101.9	81.7	122.5
192	19.4	17.6	26.4

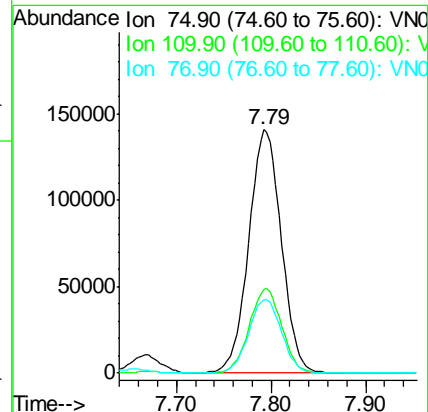
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

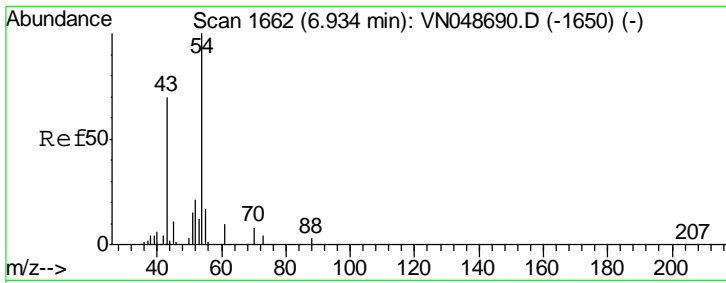
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#36
 1,1-Dichloropropene
 Concen: 50.25 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

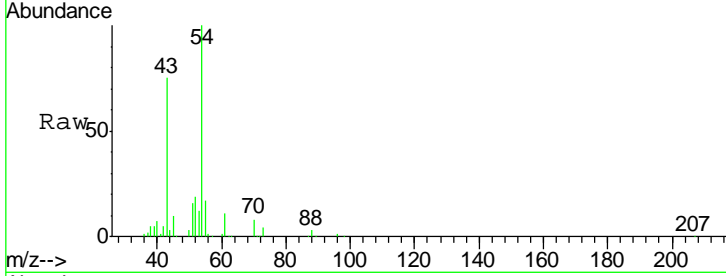
Tgt Ion	Resp	Lower	Upper
75	100		
110	34.7	18.4	55.0
77	30.8	25.0	37.4





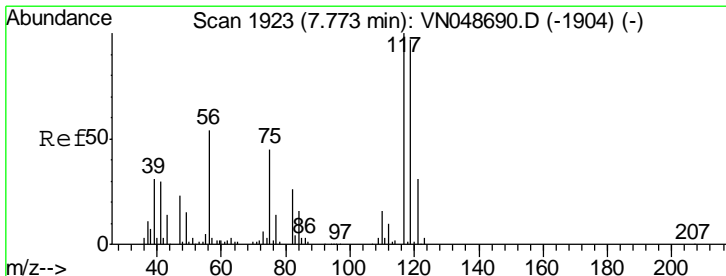
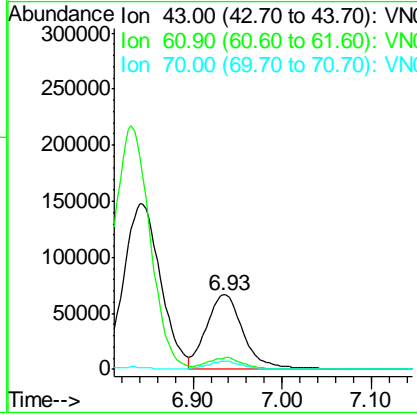
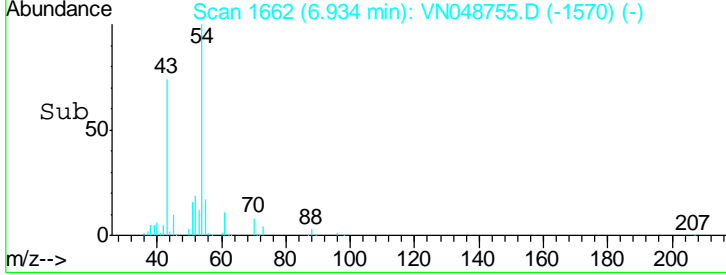
#37
Ethyl Acetate
Concen: 47.19 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN048755.D
Acq: 30 May 2018 21:26

Instrument : MSVOA_N
Client Sampled : 936-MW-17(20.5)MS



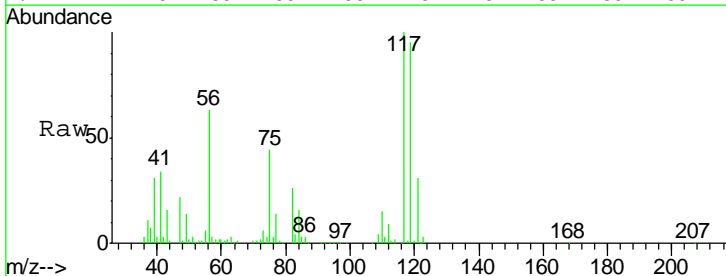
Tgt Ion	Resp	Lower	Upper
43	100		
61	14.4	11.4	17.2
70	10.3	8.6	12.8

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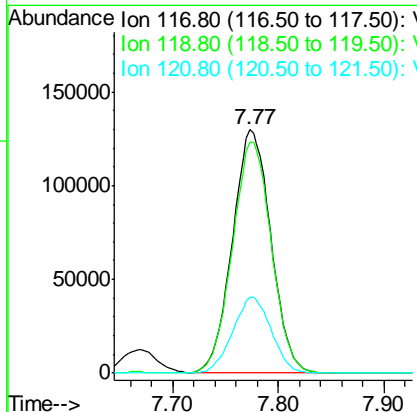
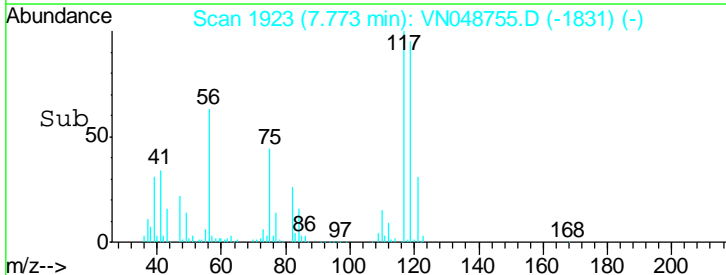


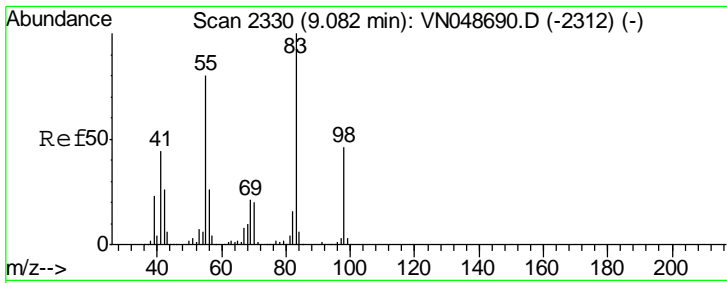
#38
Carbon Tetrachloride
Concen: 48.29 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN048755.D
Acq: 30 May 2018 21:26

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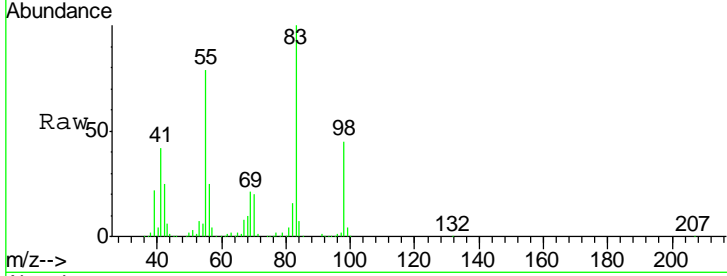
Tgt Ion	Resp	Lower	Upper
117	100		
119	94.9	78.0	117.0
121	31.0	24.5	36.7





#39
 Methylcyclohexane
 Concen: 49.29 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

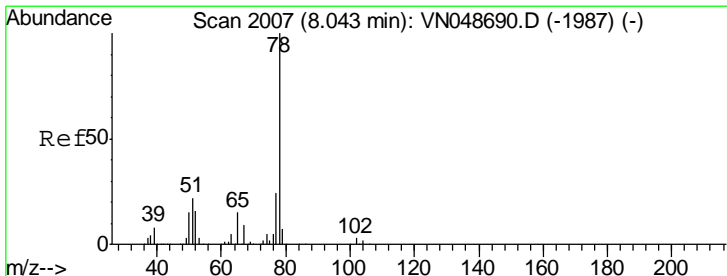
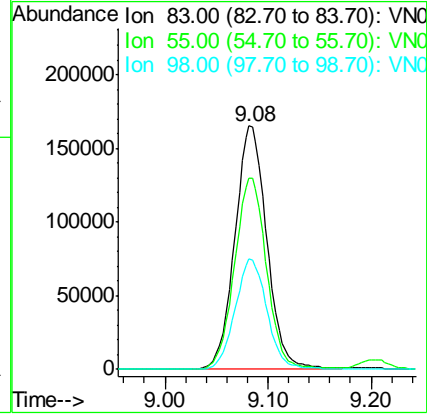
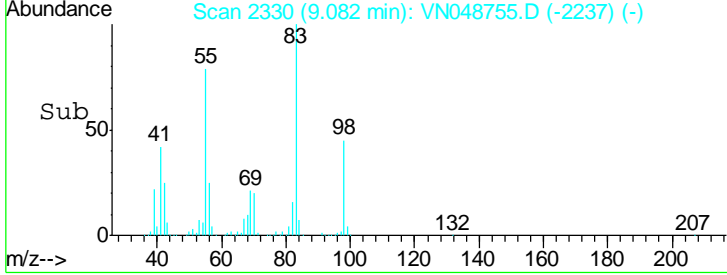
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS



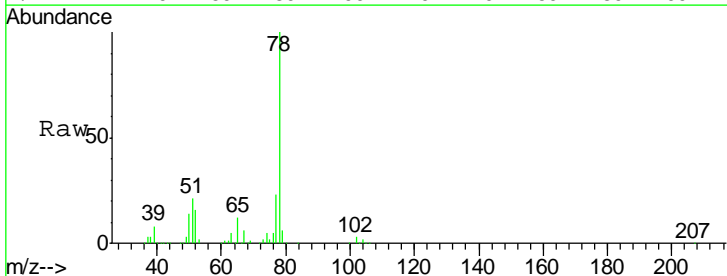
Tgt Ion: 83 Resp: 357501

Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.7	92.5
98	45.4	36.8	55.2

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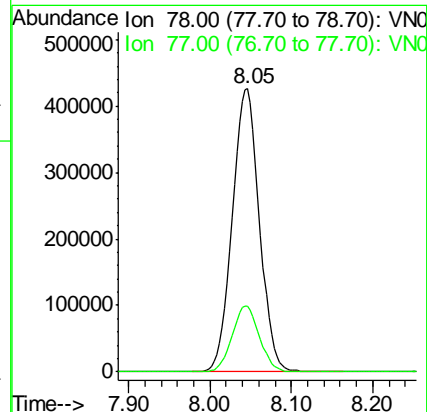
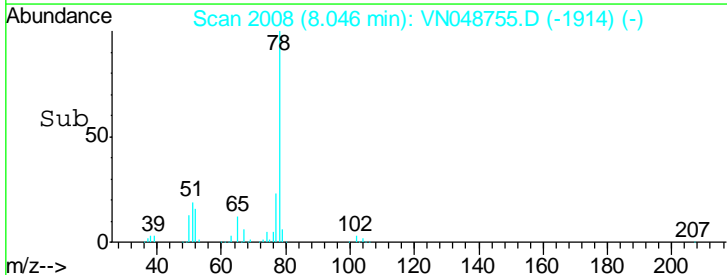


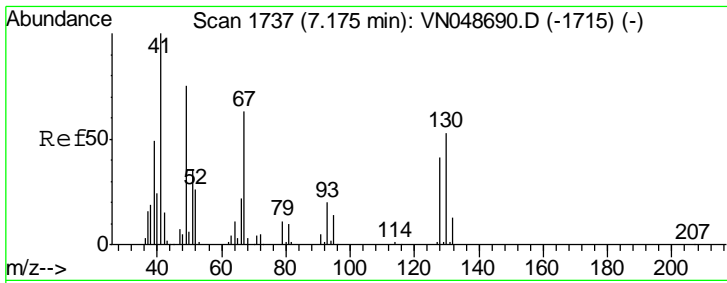
#40
 Benzene
 Concen: 50.94 ug/l
 RT: 8.05 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26



Tgt Ion: 78 Resp: 991683

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1





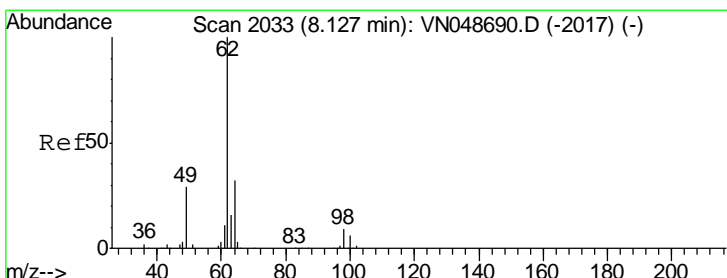
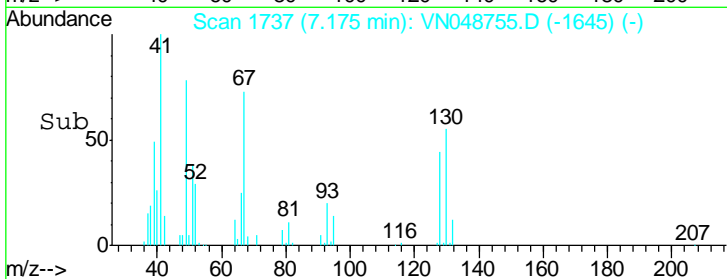
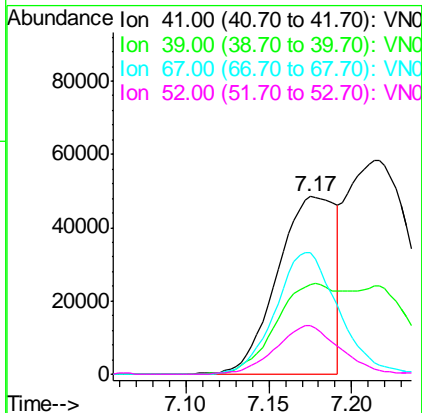
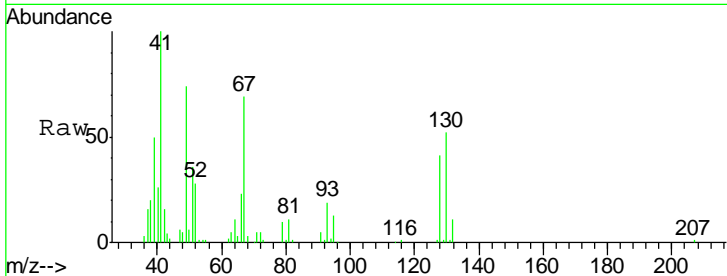
#41
 Methacrylonitrile
 Concen: 53.22 ug/l
 RT: 7.17 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 936-MW-17(20.5)MS

Tgt Ion	Resp	Lower	Upper
41	100		
39	58.8	47.4	71.2
67	74.6	62.4	93.6
52	31.1	25.6	38.4

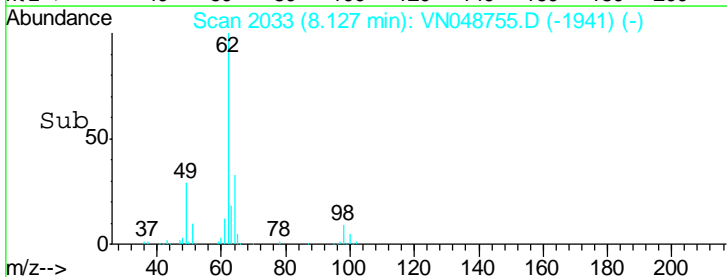
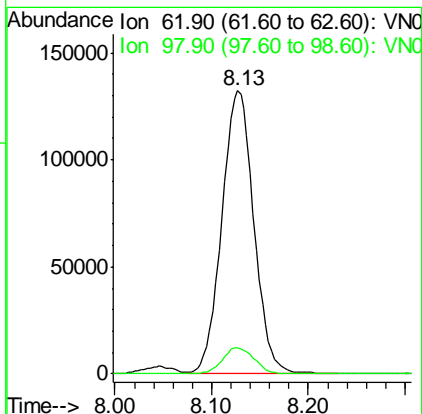
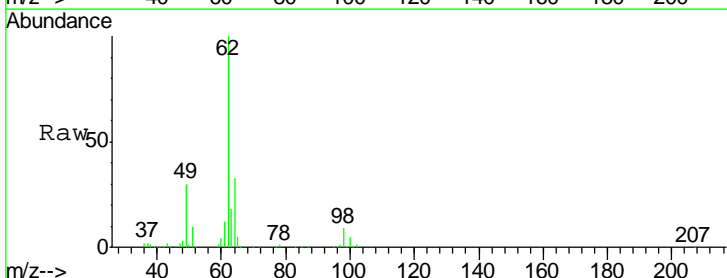
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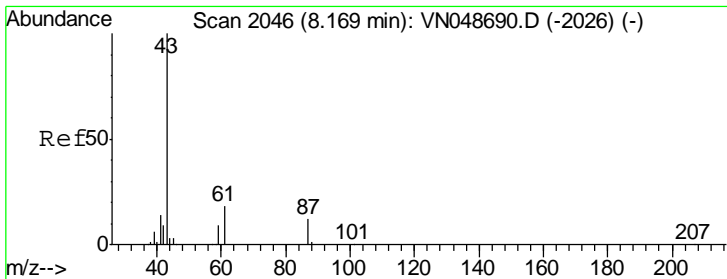
MMDadoda
 5/31/2018 3:07:08 PM



#42
 1,2-Dichloroethane
 Concen: 49.75 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

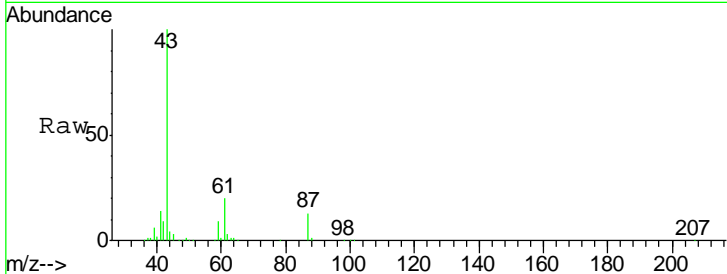
Tgt Ion	Resp	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43
 Isopropyl Acetate
 Concen: 49.62 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

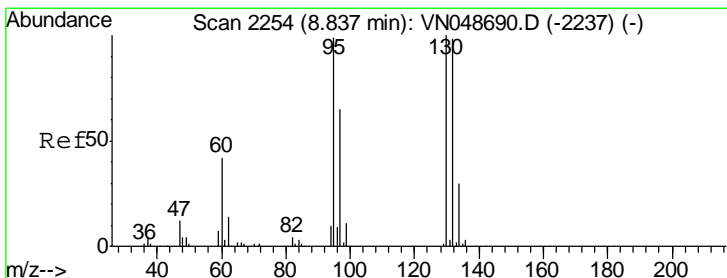
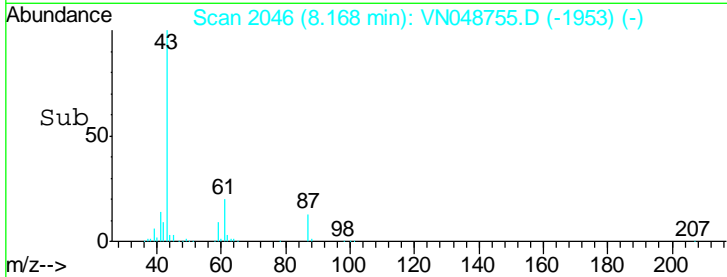
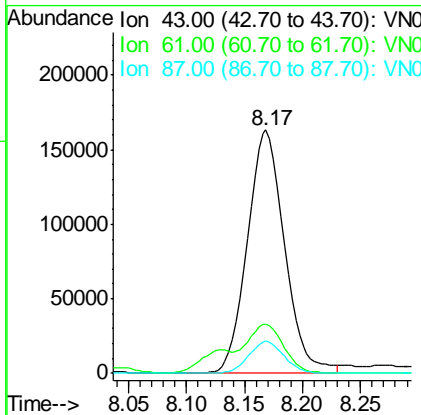
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS



Tgt Ion: 43 Resp: 365726

Ion	Ratio	Lower	Upper
43	100		
61	19.5	22.2	33.2#
87	12.4	10.6	15.8

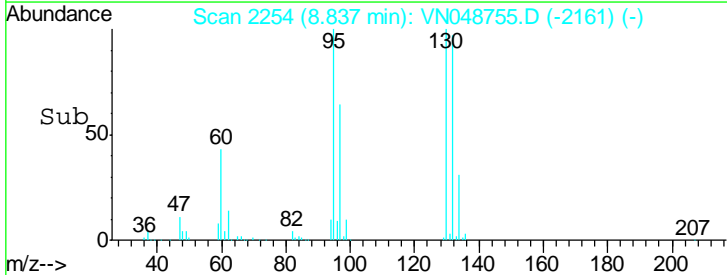
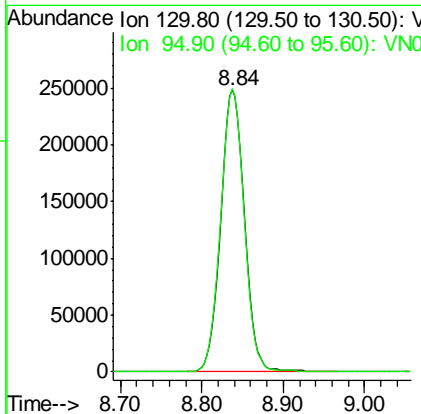
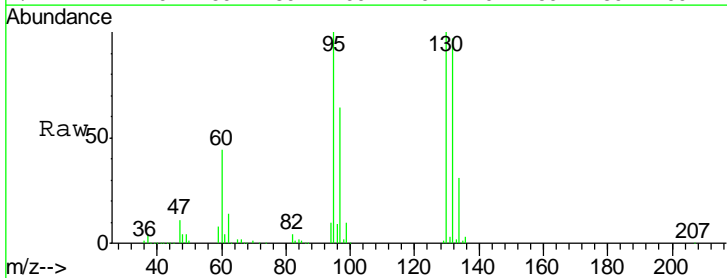
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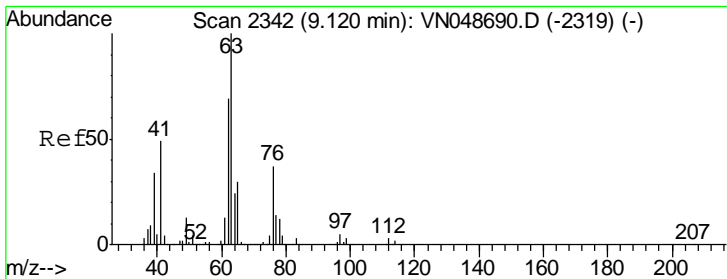


#44
 Trichloroethene
 Concen: 102.66 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion: 130 Resp: 514335

Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	191.6



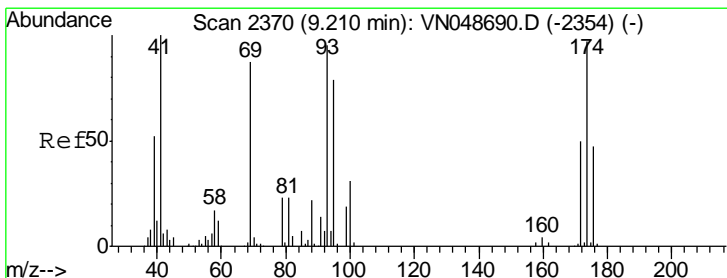
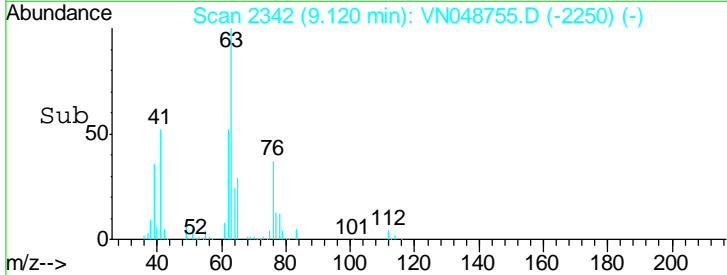
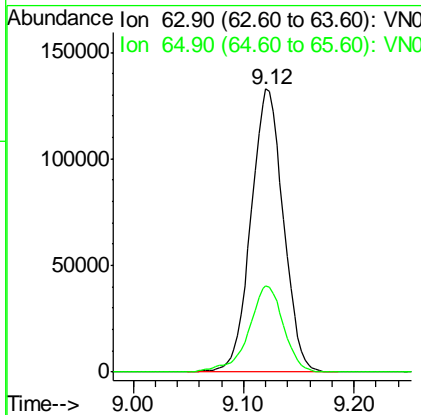
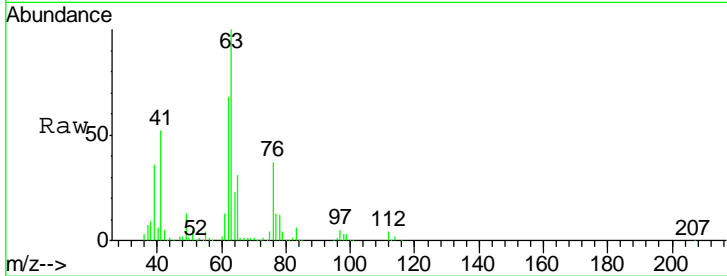


#45
 1,2-Dichloropropane
 Concen: 50.87 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.7	23.9	35.9

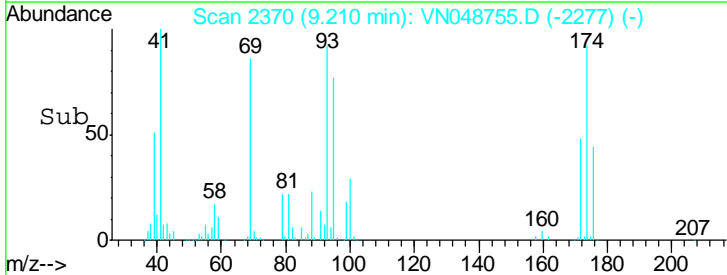
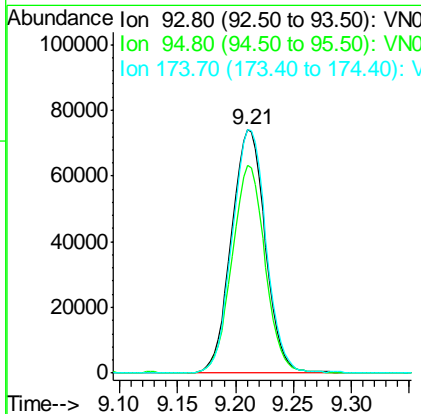
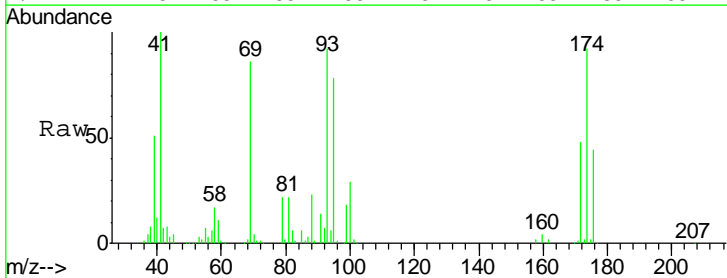
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MS

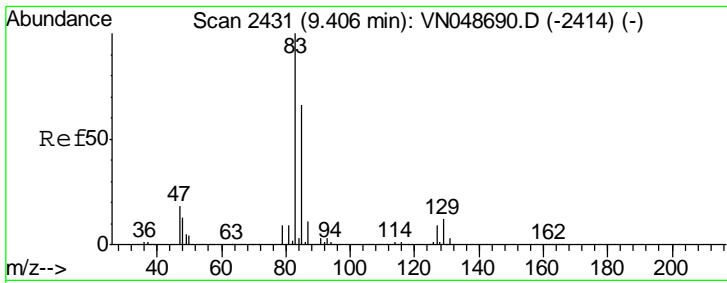
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#46
 Dibromomethane
 Concen: 50.71 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

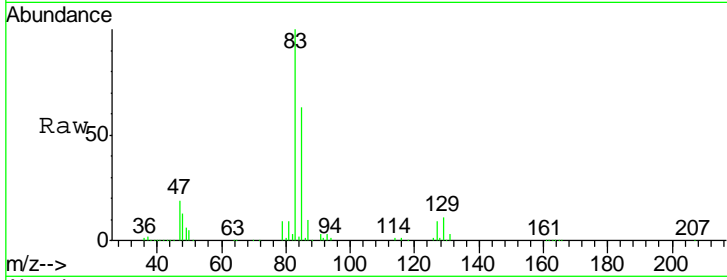
Tgt Ion	Resp	Lower	Upper
93	100		
95	83.1	66.7	100.1
174	99.9	87.7	131.5





#47
 Bromodichloromethane
 Concen: 49.58 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

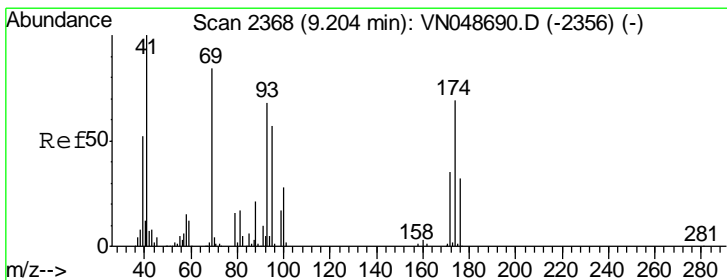
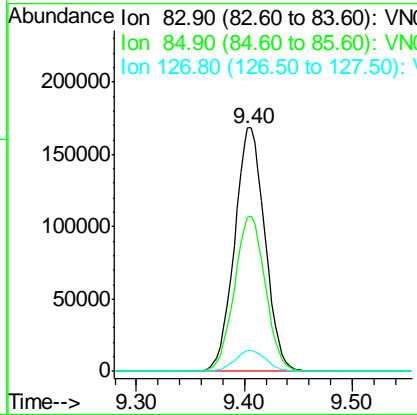
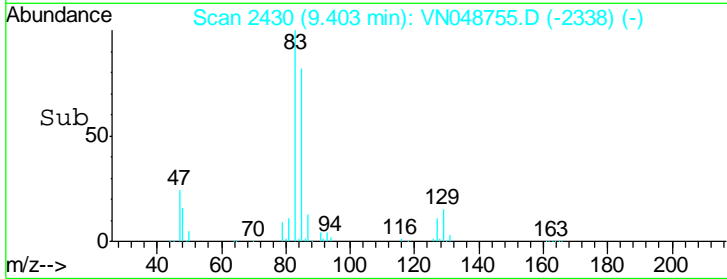
Instrument :
 MSVOA_N
 ClientSampleId :
 936-MW-17(20.5)MS



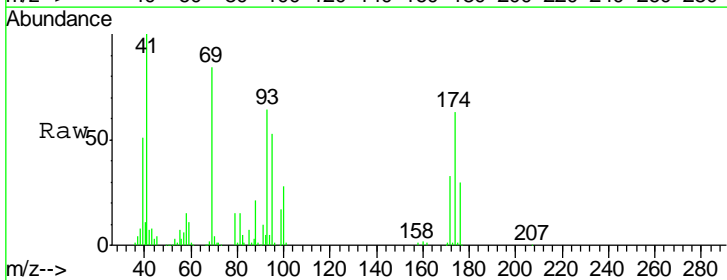
Tgt Ion: 83 Resp: 329640

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.1	78.1
127	8.6	7.3	10.9

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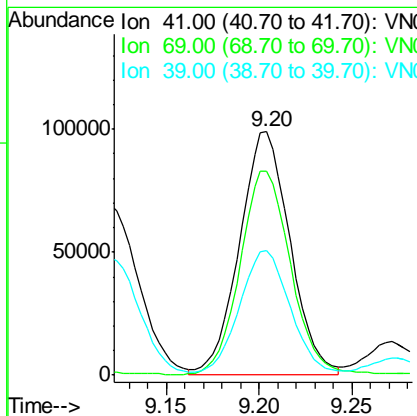
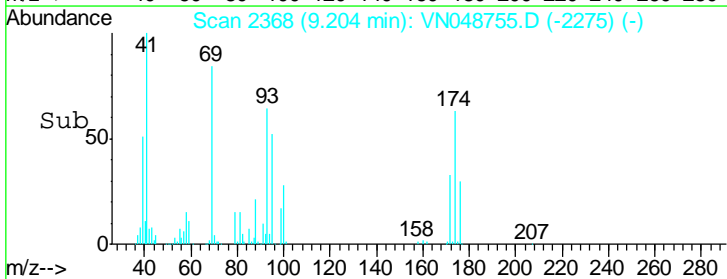


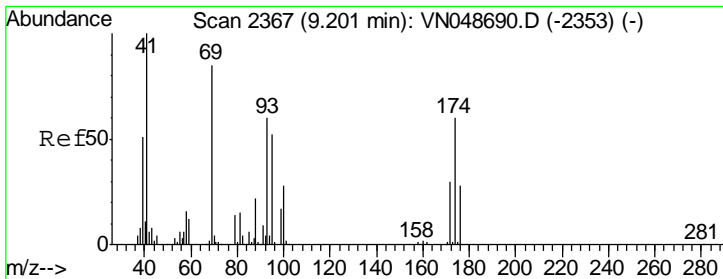
#48
 Methyl methacrylate
 Concen: 52.36 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26



Tgt Ion: 41 Resp: 186479

Ion	Ratio	Lower	Upper
41	100		
69	84.3	68.6	103.0
39	51.8	42.3	63.5



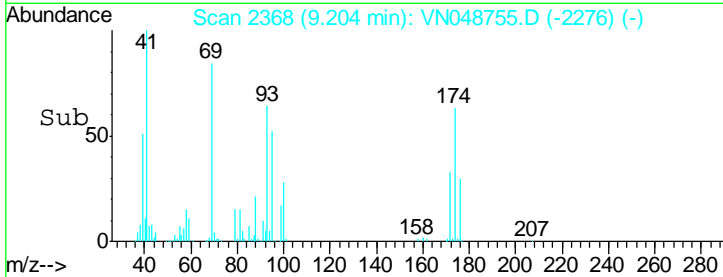
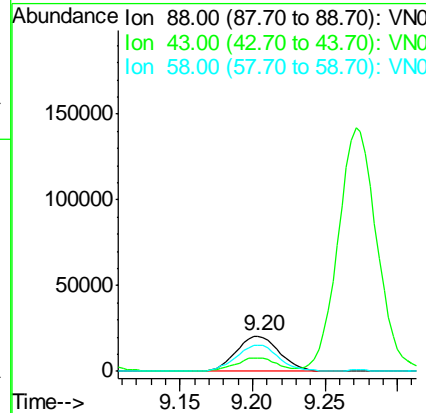
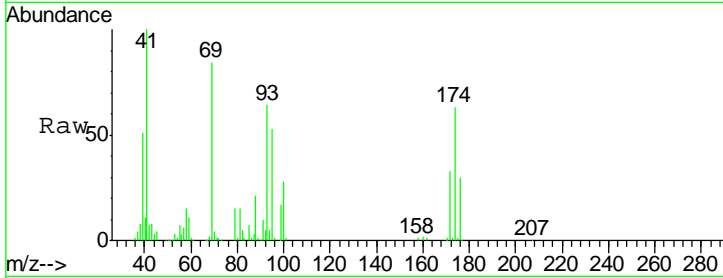


#49
 1,4-Dioxane
 Concen: 979.48 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MS

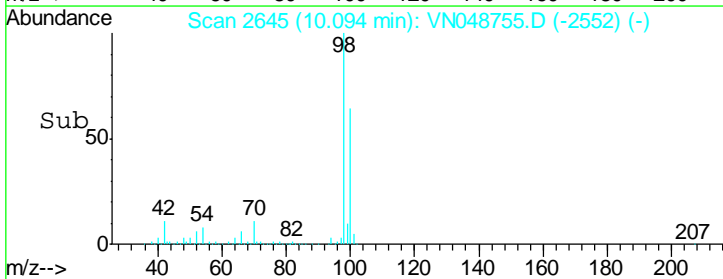
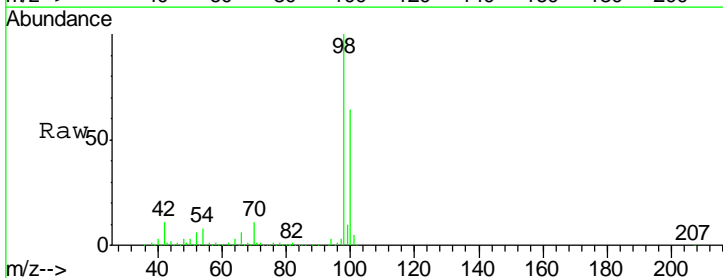
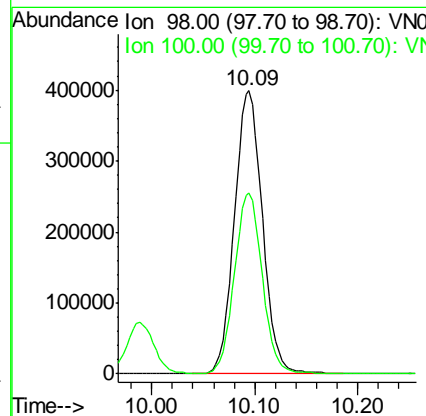
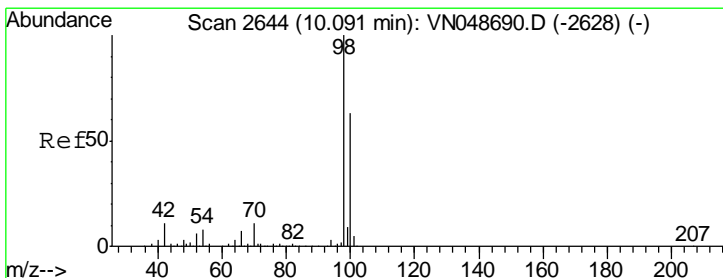
Tgt Ion	Resp	Lower	Upper
88	43043		
88	100		
43	34.8	27.6	41.4
58	73.0	57.0	85.6

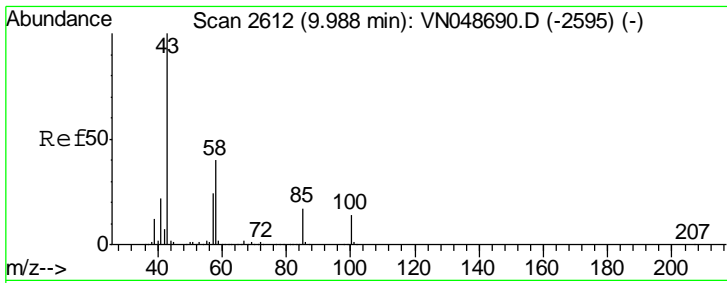
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#50
 Toluene-d8
 Concen: 50.07 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
98	756814		
98	100		
100	63.4	51.2	76.8



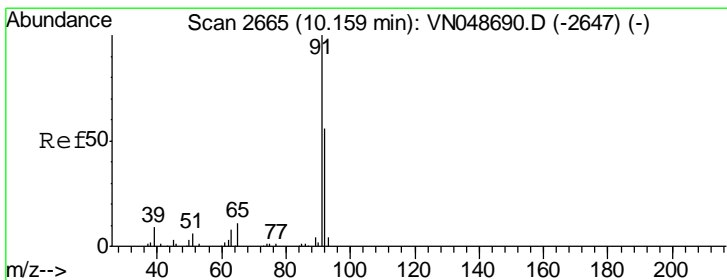
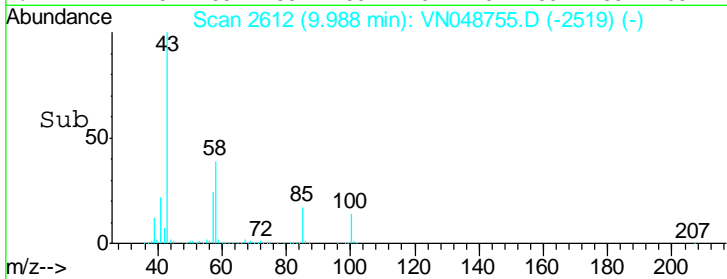
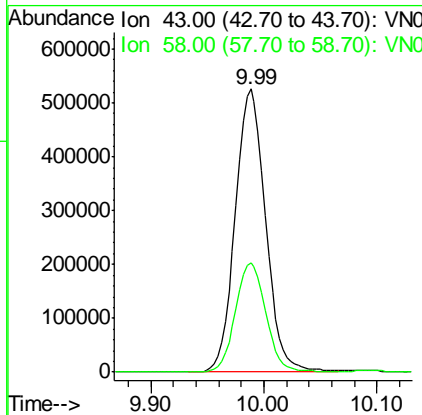
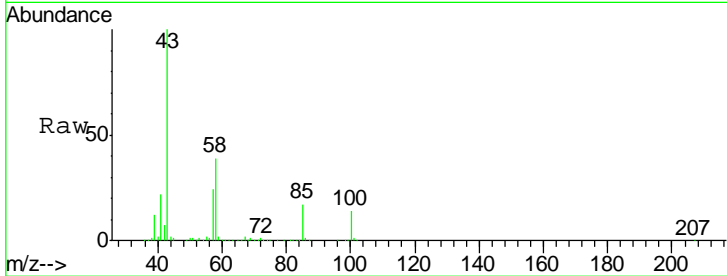


#51
 4-Methyl-2-Pentanone
 Concen: 252.85 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.8	31.0	46.6

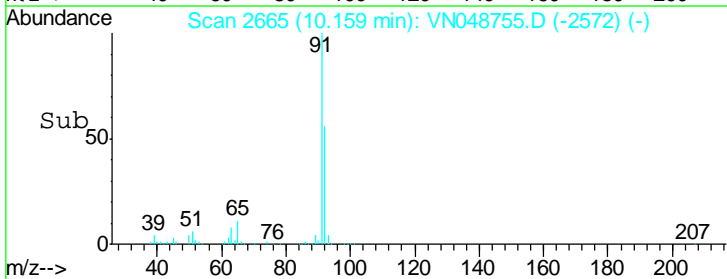
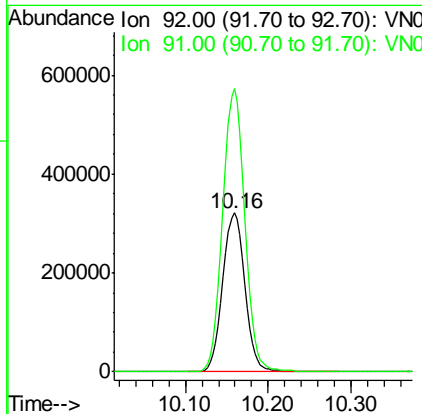
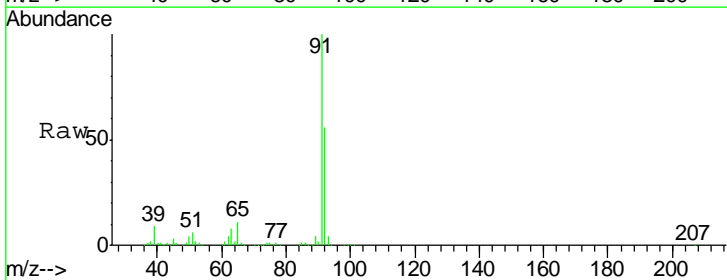
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

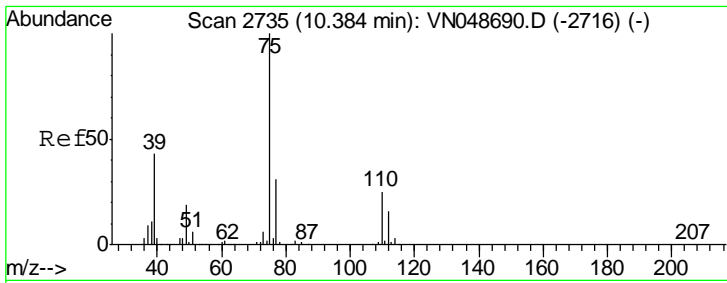
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#52
 Toluene
 Concen: 52.08 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
92	100		
91	177.3	141.0	211.4



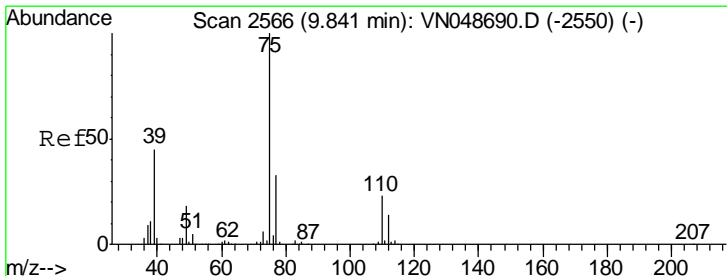
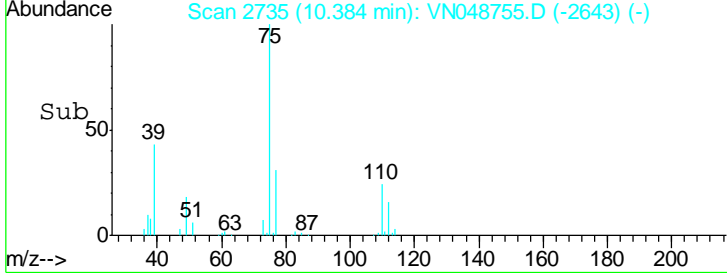
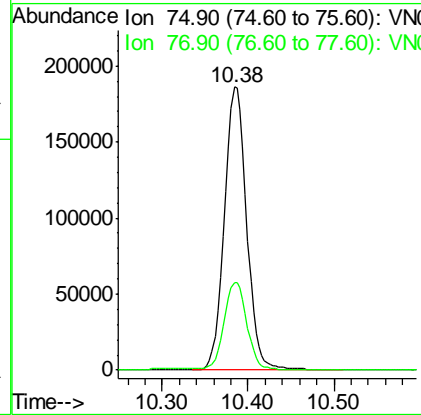
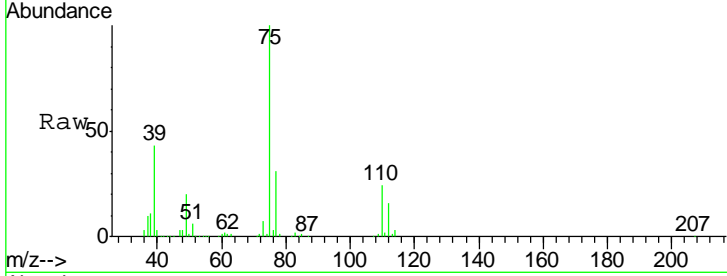


#53
 t-1,3-Dichloropropene
 Concen: 50.25 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

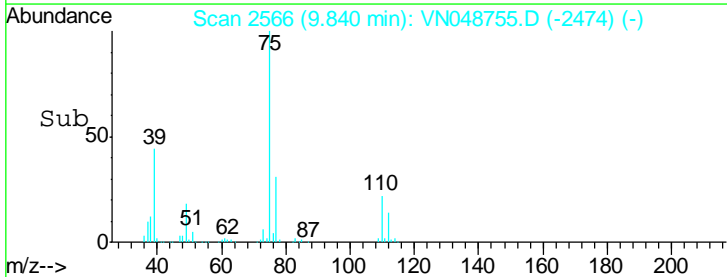
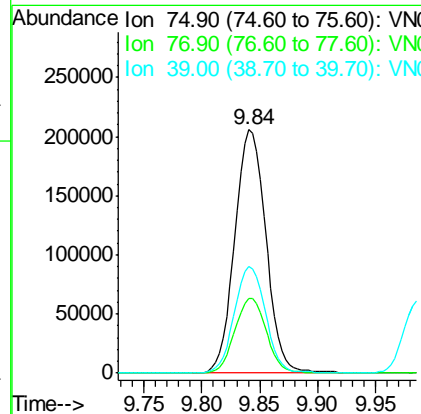
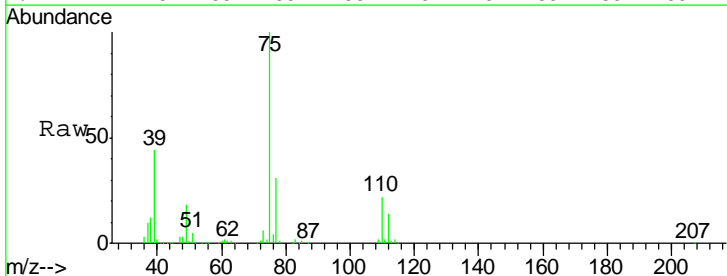
Tgt Ion	Resp	Lower	Upper
75	335863		
75	100		
77	30.7	24.9	37.3

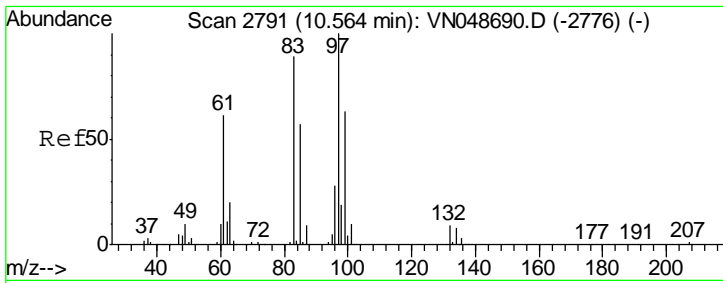
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#54
 cis-1,3-Dichloropropene
 Concen: 49.50 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

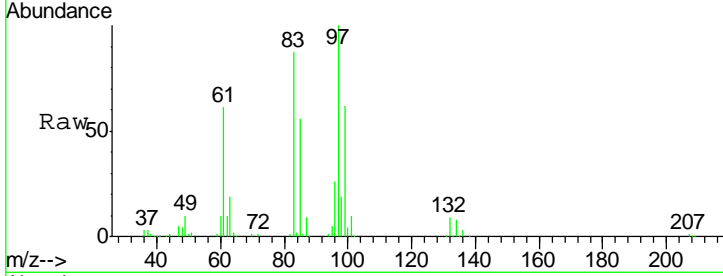
Tgt Ion	Resp	Lower	Upper
75	384792		
75	100		
77	30.7	25.1	37.7
39	43.6	36.7	55.1





#55
 1,1,2-Trichloroethane
 Concen: 51.75 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

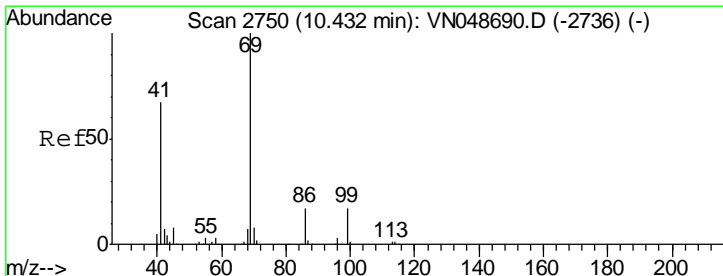
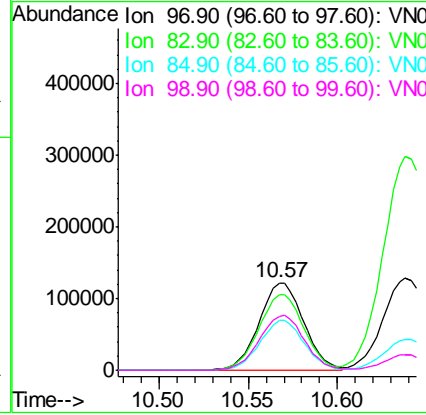
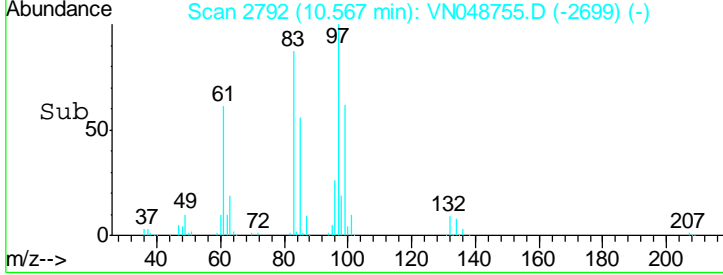
Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MS



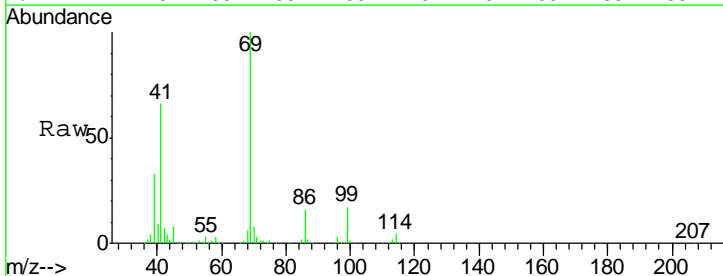
Tgt Ion: 97 Resp: 213479

Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.7	103.1
85	56.5	43.4	65.2
99	61.7	49.6	74.4

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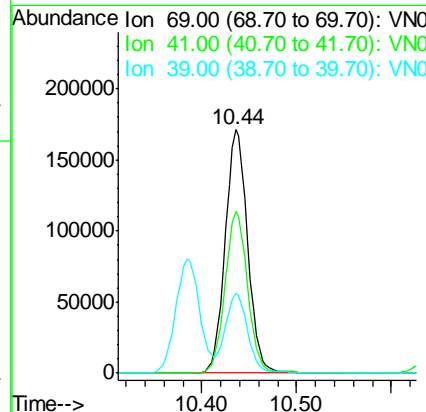
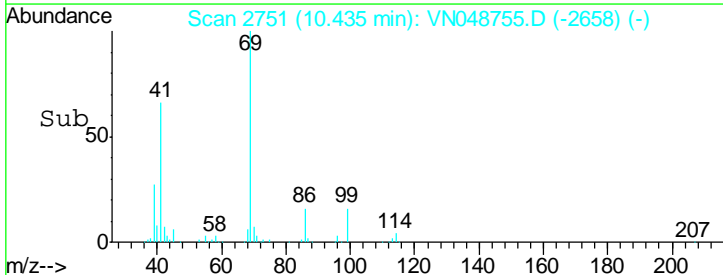


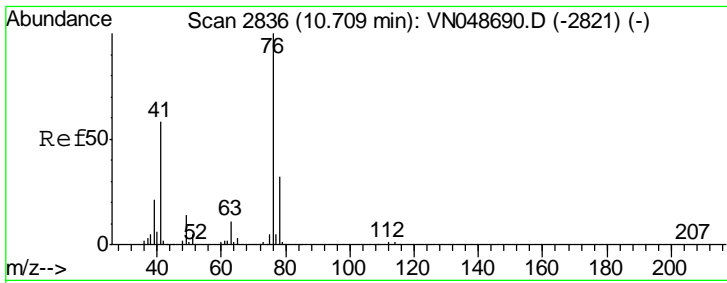
#56
 Ethyl methacrylate
 Concen: 48.87 ug/l
 RT: 10.44 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26



Tgt Ion: 69 Resp: 281878

Ion	Ratio	Lower	Upper
69	100		
41	66.1	52.3	78.5
39	32.5	26.4	39.6



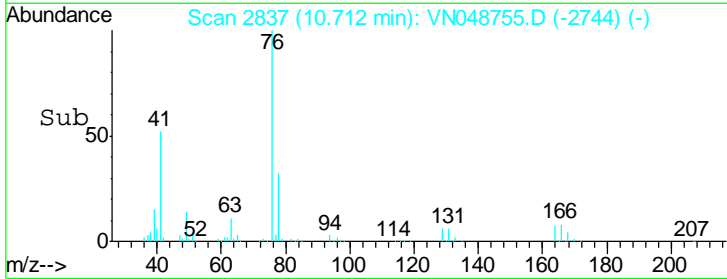
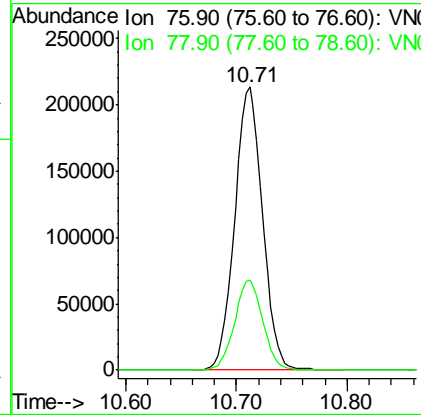
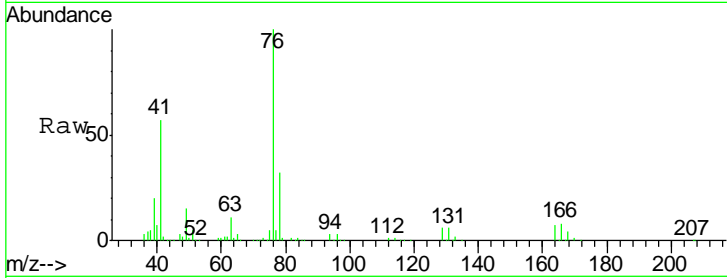


#57
 1,3-Dichloropropane
 Concen: 51.51 ug/l
 RT: 10.71 min Scan# 2837
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

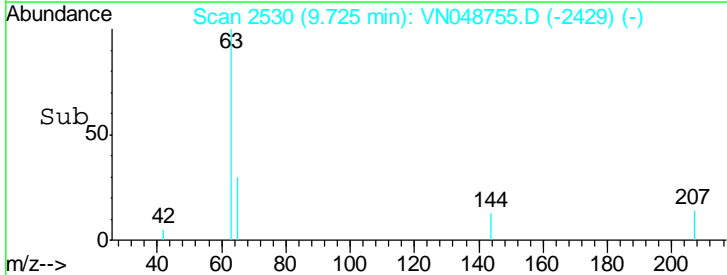
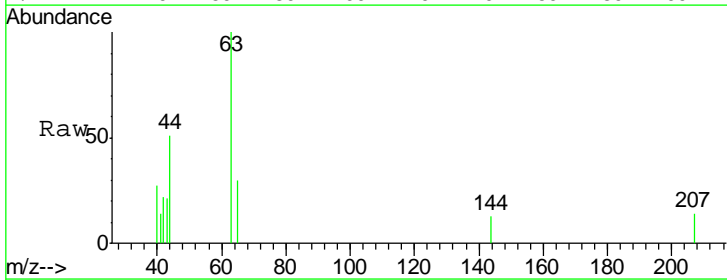
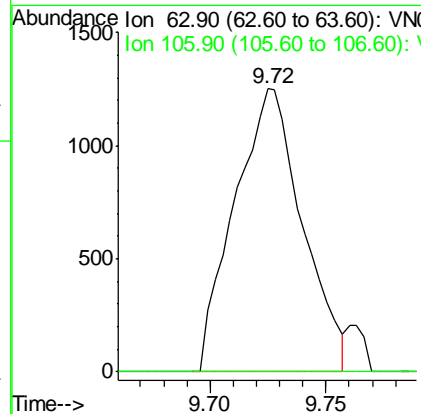
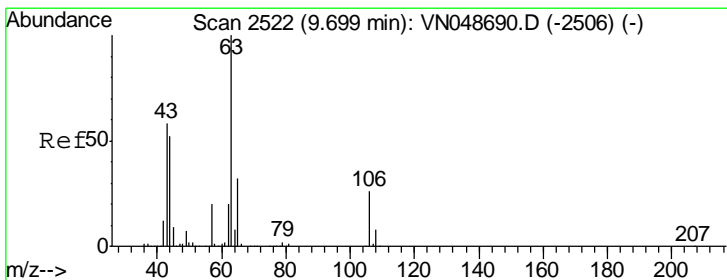
Tgt Ion	Resp	Lower	Upper
76	373246		
76	100		
78	32.3	25.7	38.5

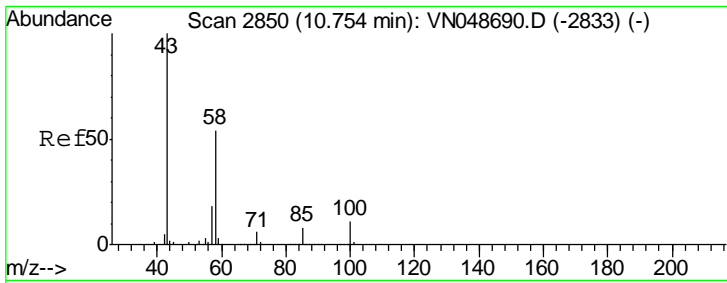
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 12.51 ug/l
 RT: 9.72 min Scan# 2530
 Delta R.T. 0.03 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
63	2542		
63	100		
106	0.0	21.3	31.9#





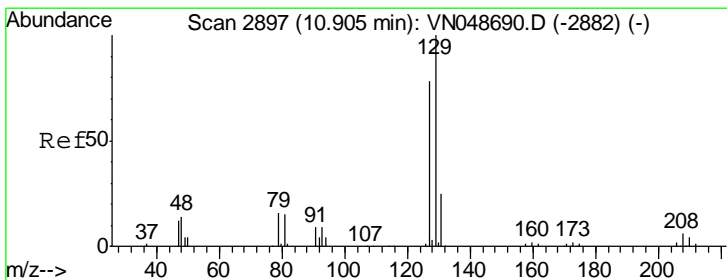
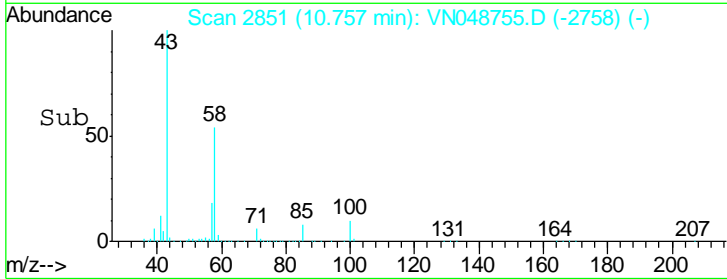
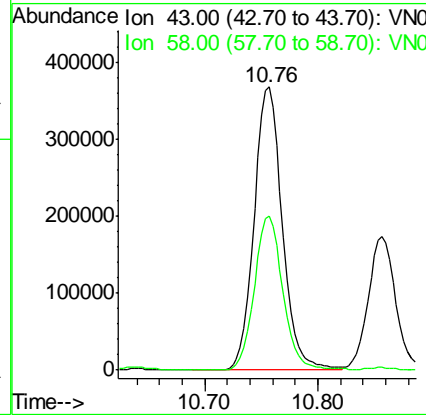
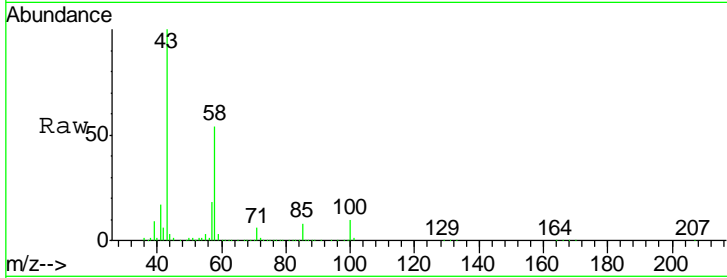
#59
 2-Hexanone
 Concen: 248.51 ug/l
 RT: 10.76 min Scan# 2851
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.1	27.4	82.0

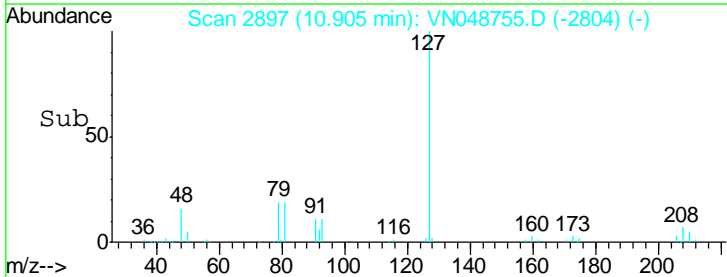
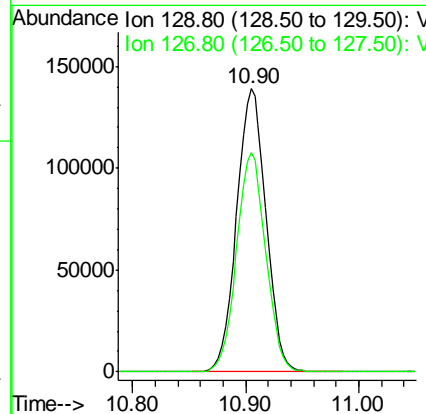
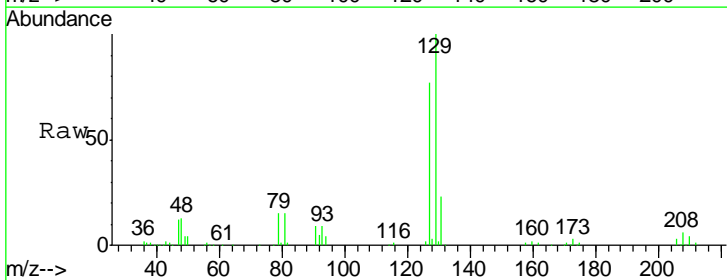
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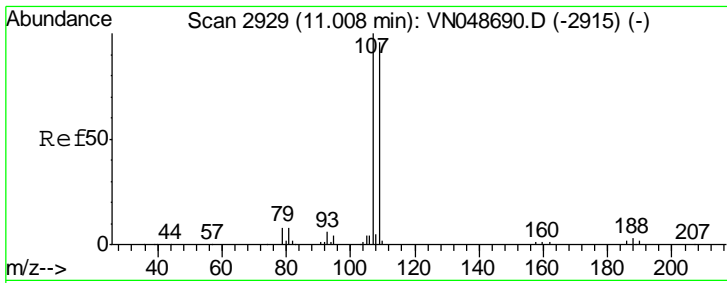
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#60
 Dibromochloromethane
 Concen: 51.92 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

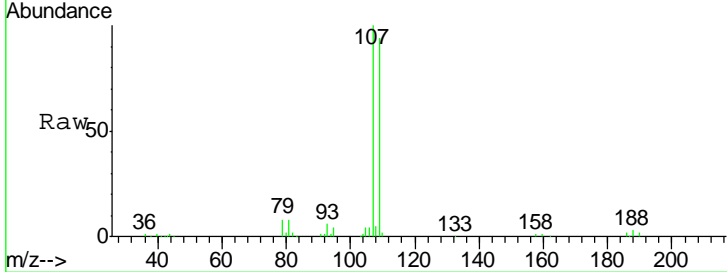
Tgt Ion	Resp	Lower	Upper
129	100		
127	76.9	38.8	116.4





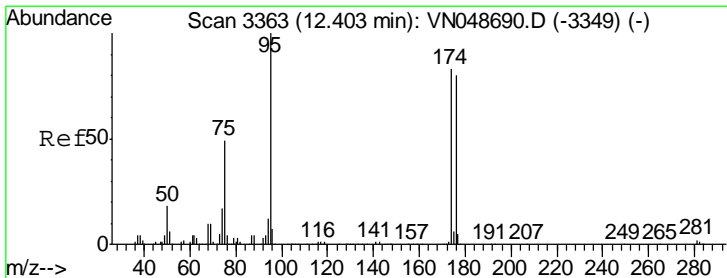
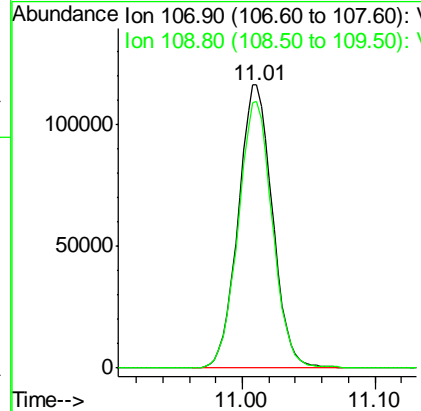
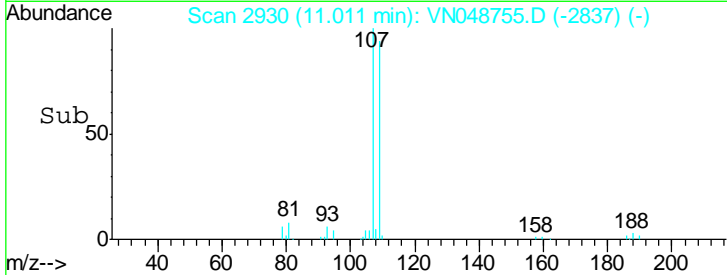
#61
 1,2-Dibromoethane
 Concen: 50.96 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

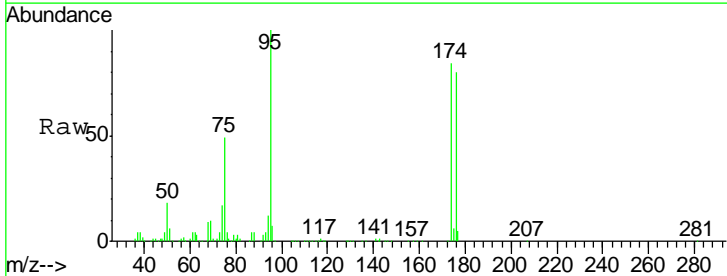


Tgt Ion	Resp	Lower	Upper
107	100		
109	94.4	74.4	111.6

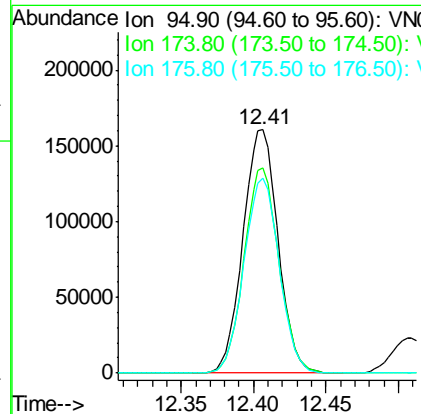
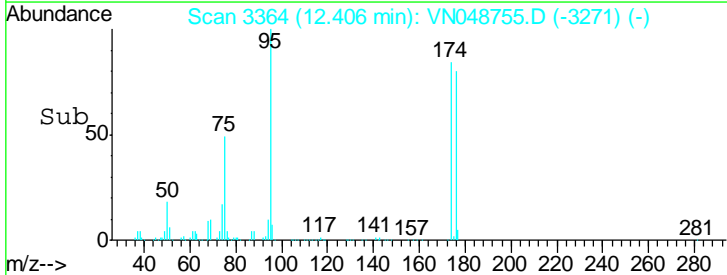
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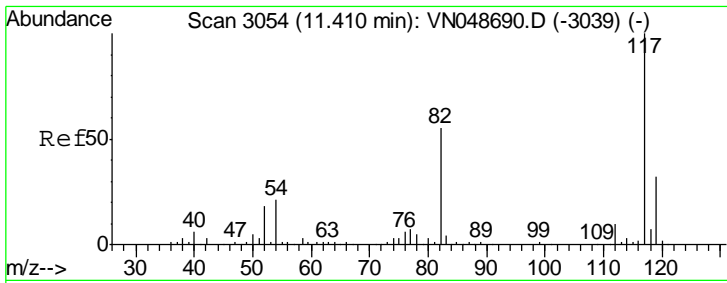


#62
 4-Bromofluorobenzene
 Concen: 51.79 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26



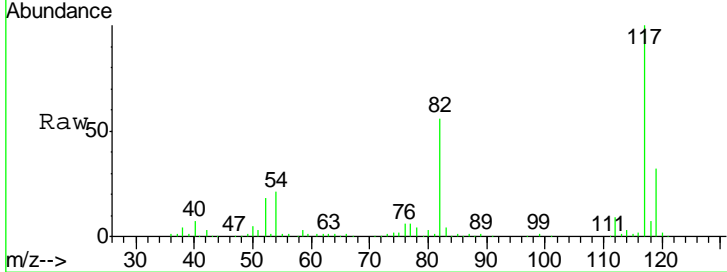
Tgt Ion	Resp	Lower	Upper
95	100		
174	83.8	0.0	173.8
176	80.5	0.0	170.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

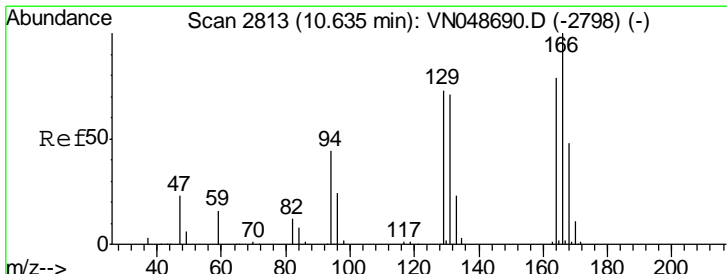
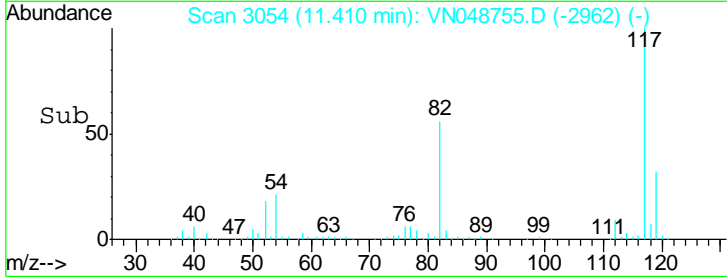
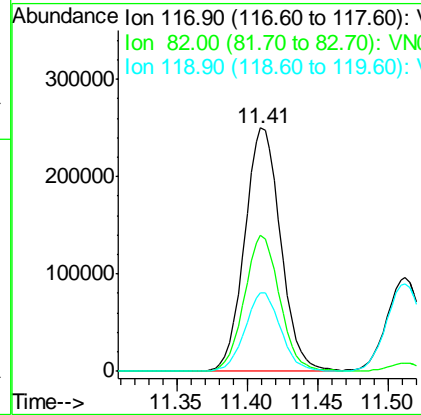
Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MS



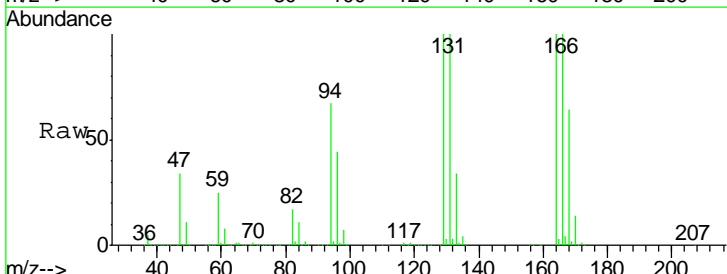
Tgt Ion: 117 Resp: 447255

Ion	Ratio	Lower	Upper
117	100		
82	55.9	42.8	64.2
119	32.3	26.0	39.0

Manual Integrations
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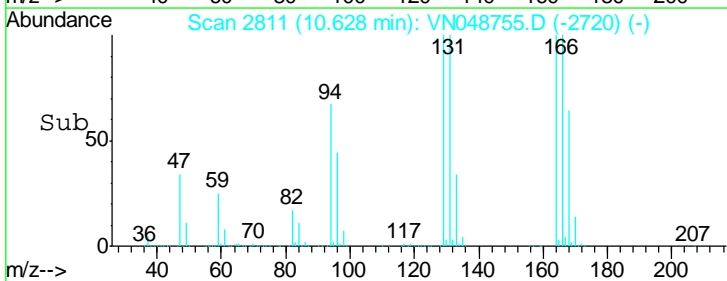
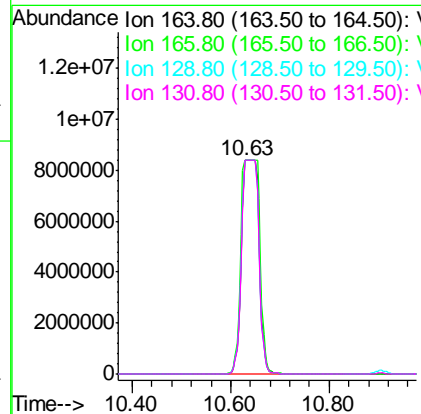


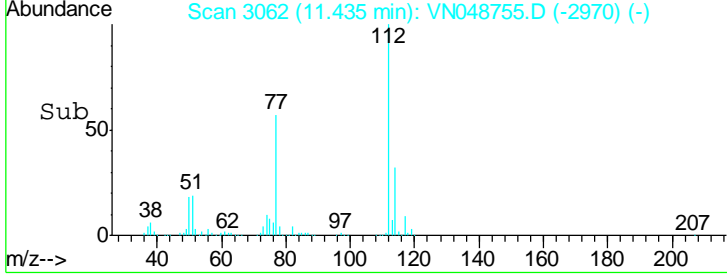
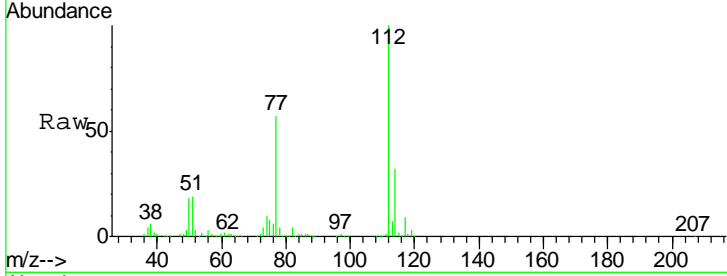
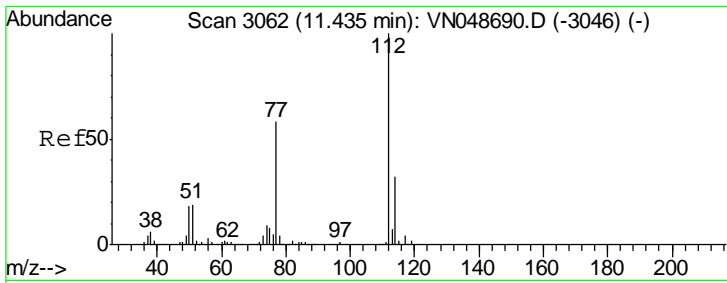
#64
 Tetrachloroethene
 Concen: 4512.58 ug/l m
 RT: 10.63 min Scan# 2811
 Delta R.T. -0.01 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26



Tgt Ion: 164 Resp: 20433210

Ion	Ratio	Lower	Upper
164	100		
166	100.0	102.7	154.1#
129	100.0	74.3	111.5
131	100.0	71.4	107.0



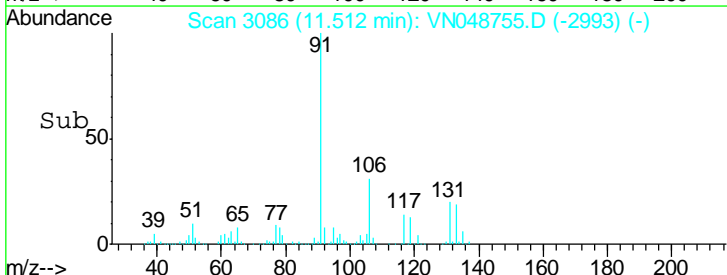
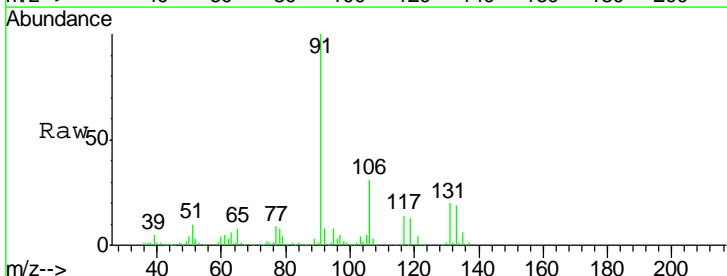
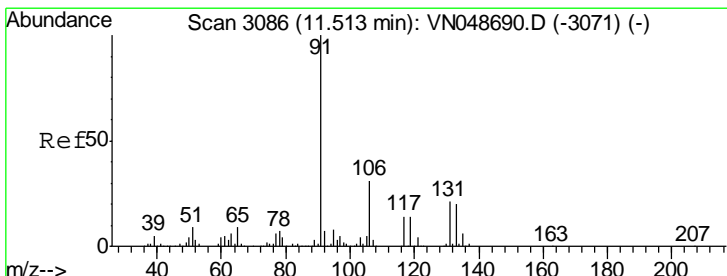
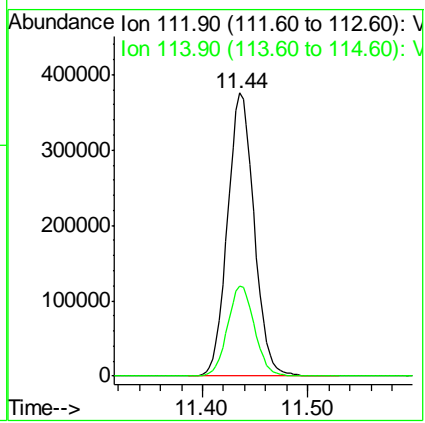


#65
 Chlorobenzene
 Concen: 50.09 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
112	100		
114	31.9	25.6	38.4

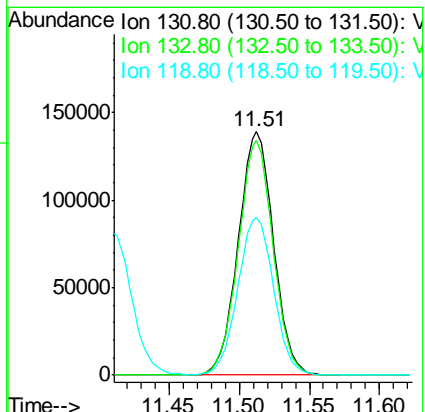
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

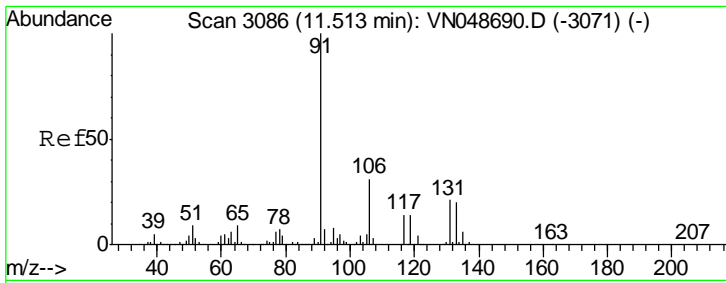
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.42 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
131	100		
133	95.2	47.8	143.4
119	65.9	33.1	99.3





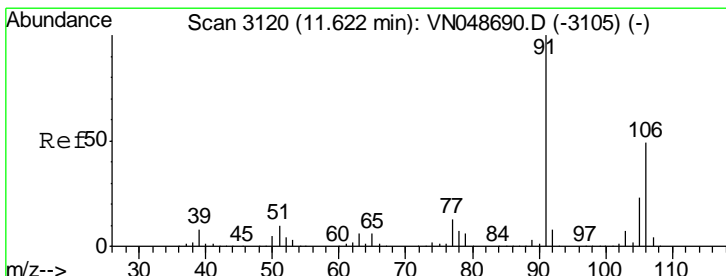
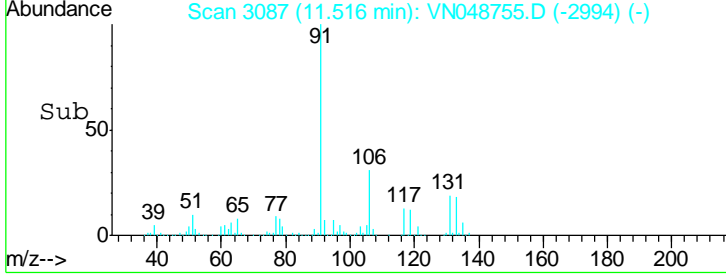
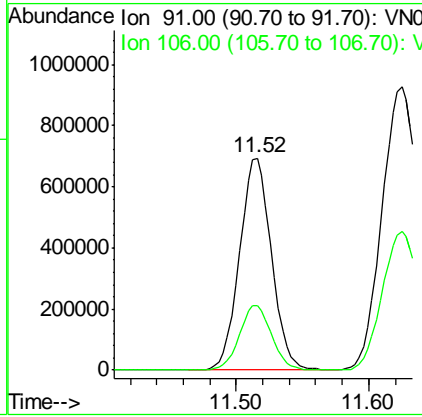
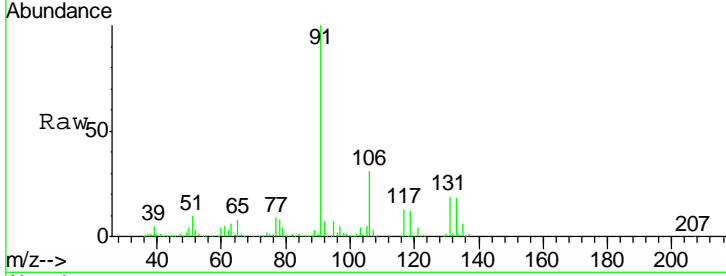
#67
Ethyl Benzene
Concen: 51.13 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VN048755.D
Acq: 30 May 2018 21:26

Instrument : MSVOA_N
Client Sampled : 936-MW-17(20.5)MS

Tgt Ion: 91 Resp: 1159494

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.9	37.3

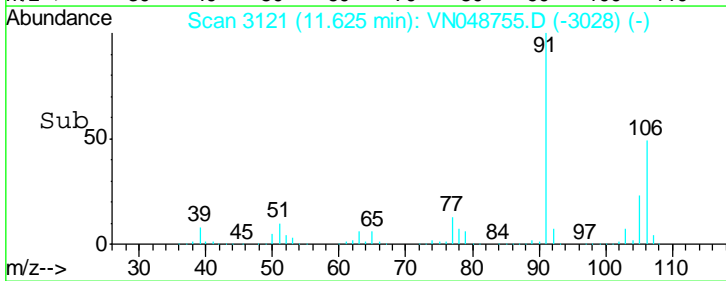
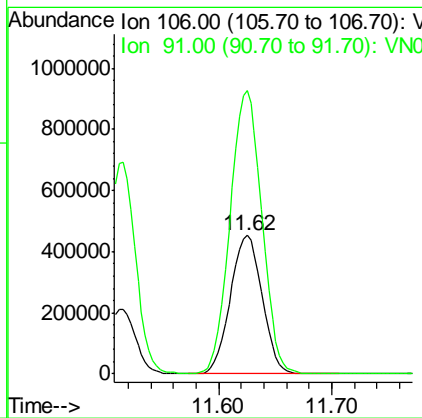
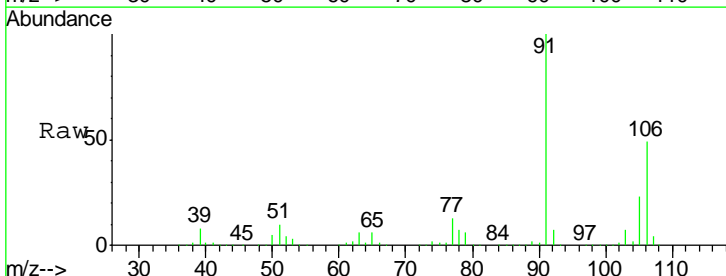
Manual Integrations
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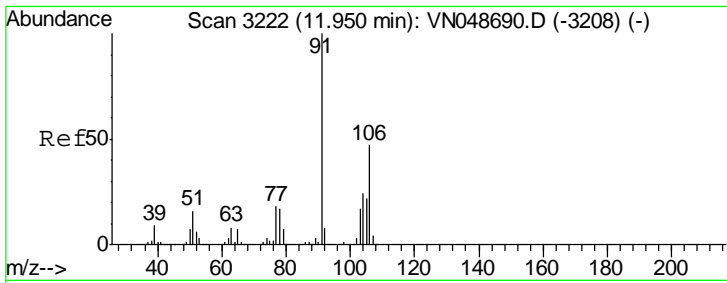


#68
m/p-Xylenes
Concen: 103.53 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. -0.00 min
Lab File: VN048755.D
Acq: 30 May 2018 21:26

Tgt Ion: 106 Resp: 885089

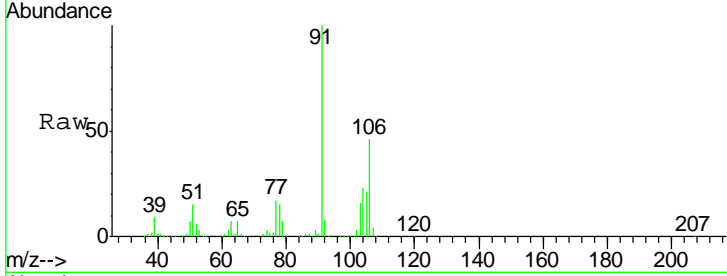
Ion	Ratio	Lower	Upper
106	100		
91	204.3	163.4	245.0





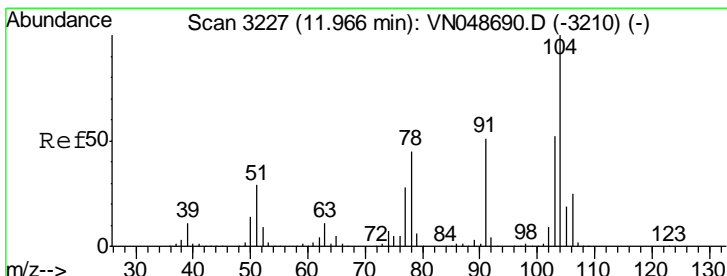
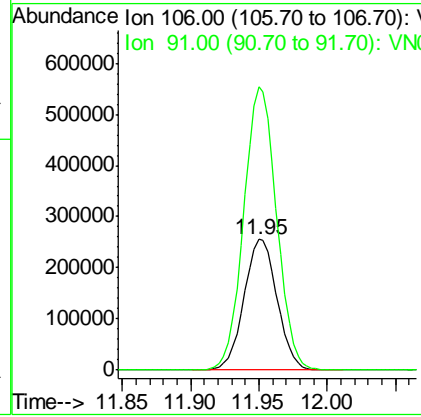
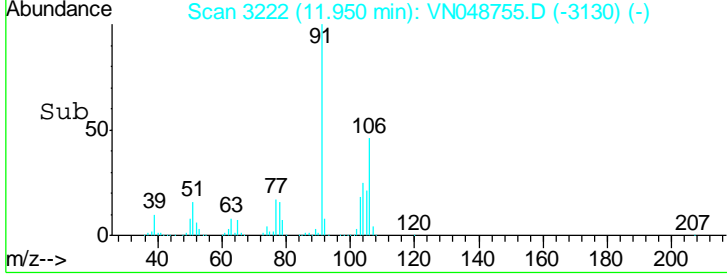
#69
 o-Xylene
 Concen: 52.05 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument :
 MSVOA_N
 Client Sampled :
 936-MW-17(20.5)MS

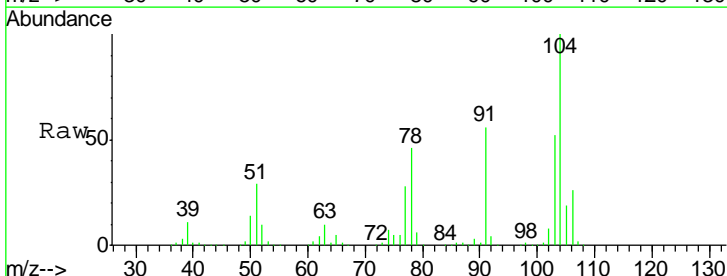


Tgt Ion: 106 Resp: 429214
 Ion Ratio Lower Upper
 106 100
 91 215.4 107.9 323.7

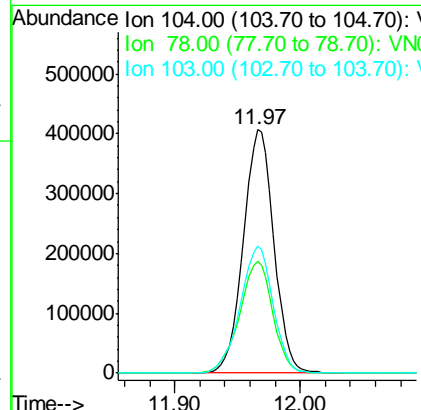
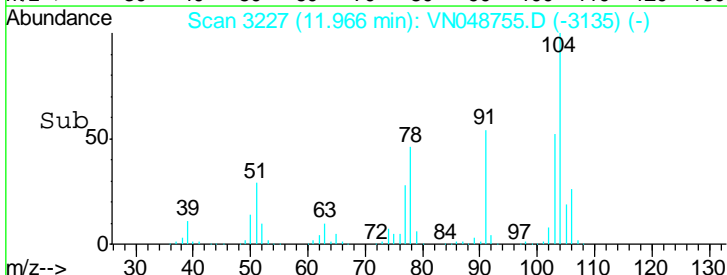
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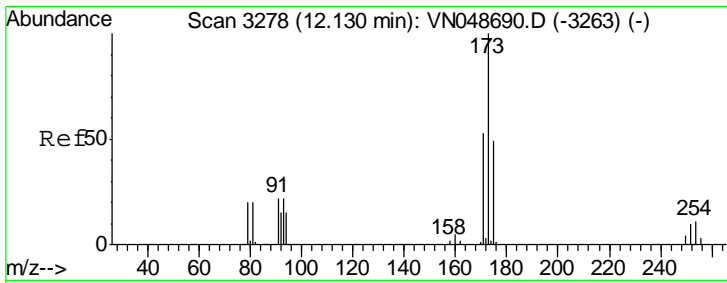


#70
 Styrene
 Concen: 53.16 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26



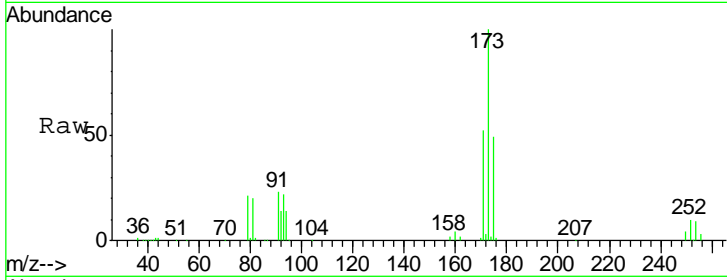
Tgt Ion: 104 Resp: 689158
 Ion Ratio Lower Upper
 104 100
 78 50.0 39.8 59.8
 103 56.1 44.6 66.8





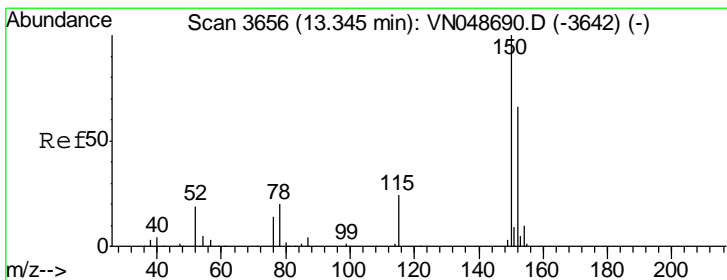
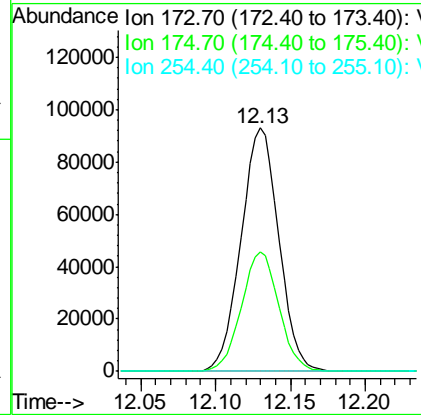
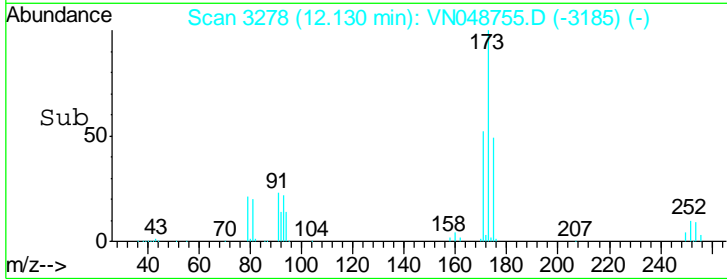
#71
 Bromoform
 Concen: 51.27 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MS

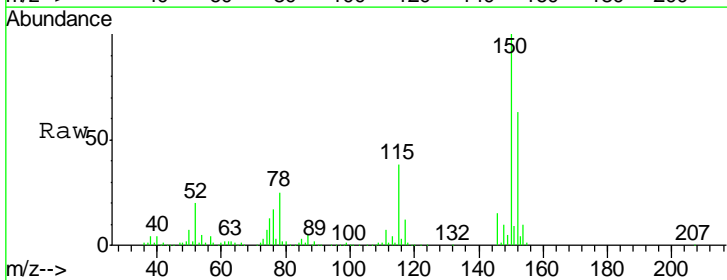


Tgt Ion	Resp	Lower	Upper
173	163465		
173	100		
175	48.6	23.9	71.8
254	0.0	0.0	0.0

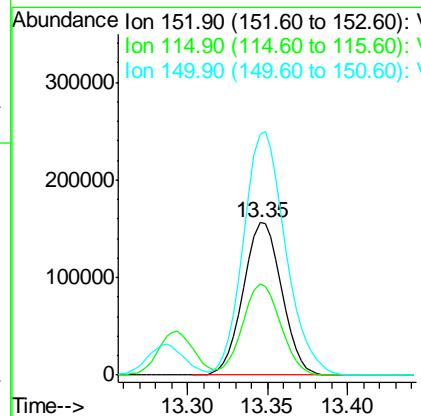
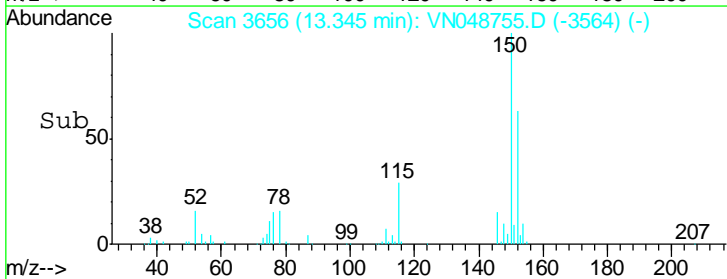
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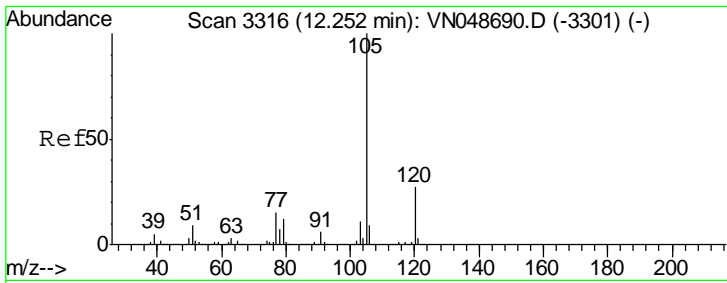


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26



Tgt Ion	Resp	Lower	Upper
152	255968		
152	100		
115	59.1	28.1	84.4
150	175.0	0.0	353.0





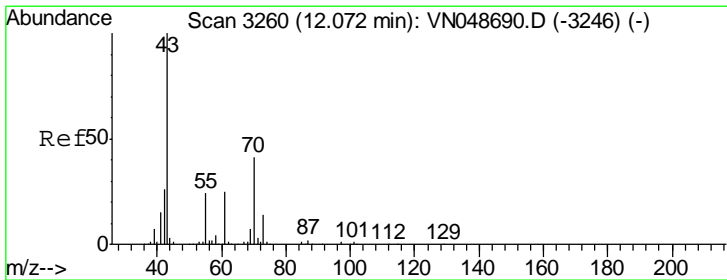
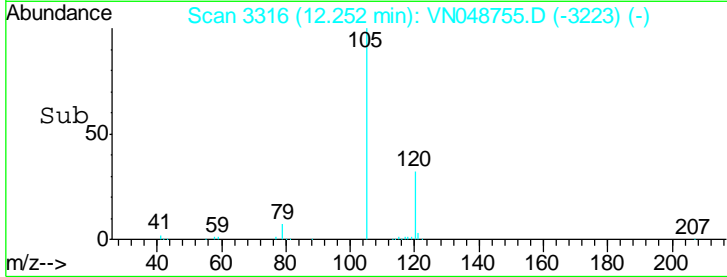
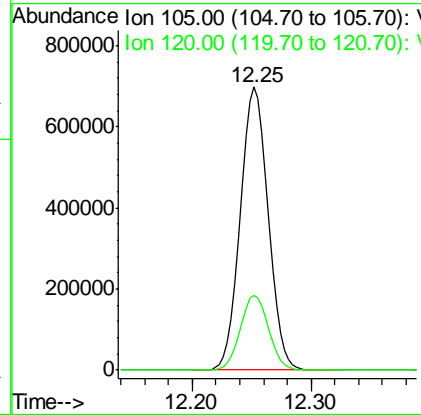
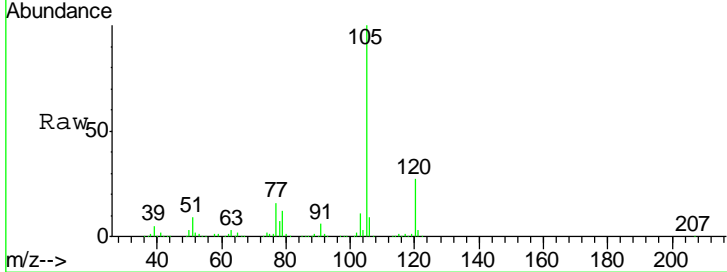
#73
 Isopropylbenzene
 Concen: 49.59 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

Tgt Ion: 105 Resp: 1135009

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9

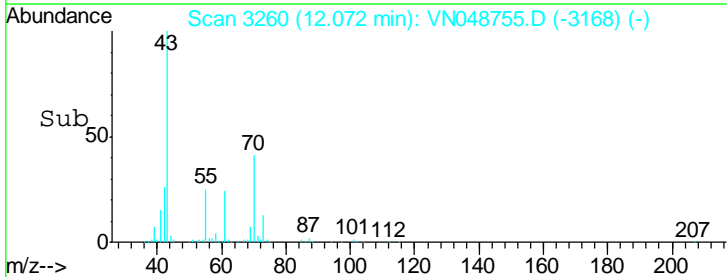
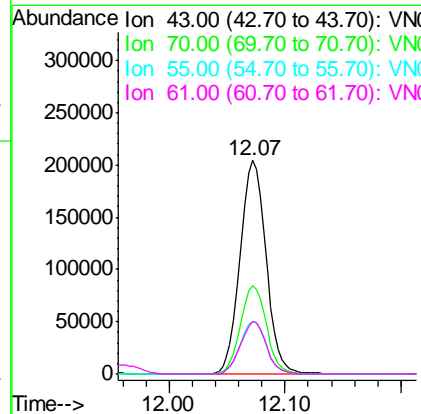
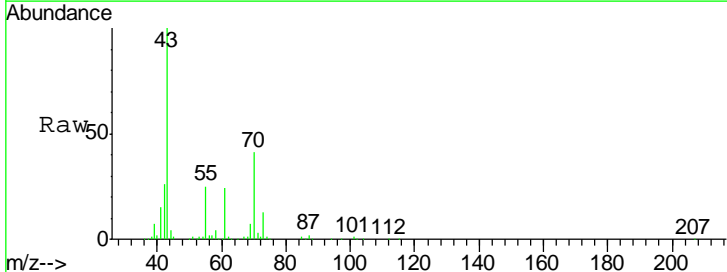
Manual Integrations
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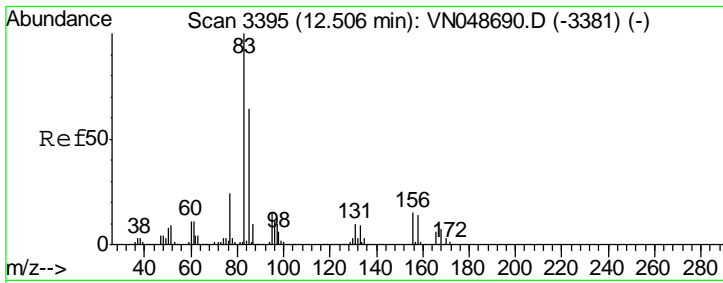


#74
 N-amyl acetate
 Concen: 46.97 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion: 43 Resp: 316551

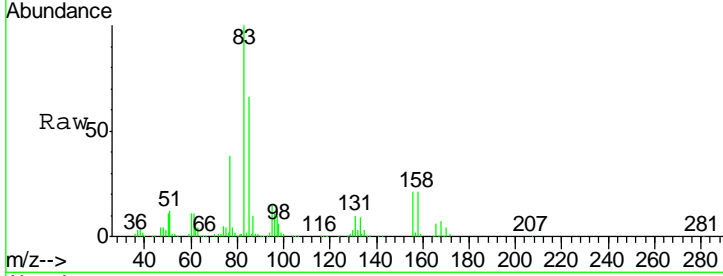
Ion	Ratio	Lower	Upper
43	100		
70	41.3	33.7	50.5
55	24.8	19.3	28.9
61	24.5	19.4	29.2





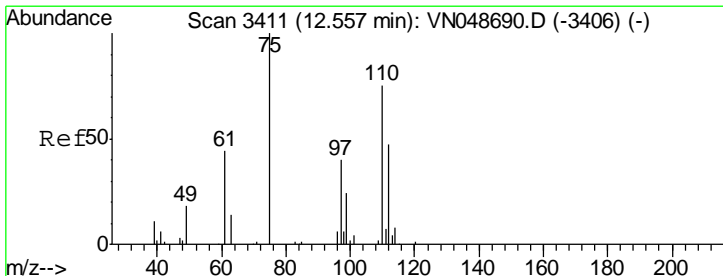
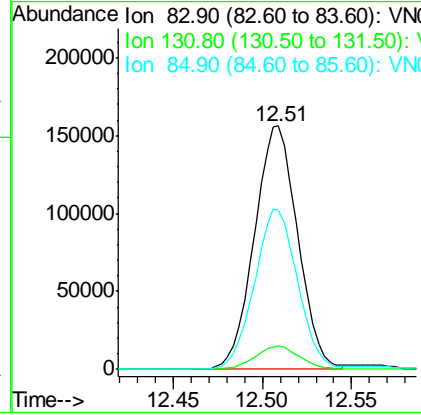
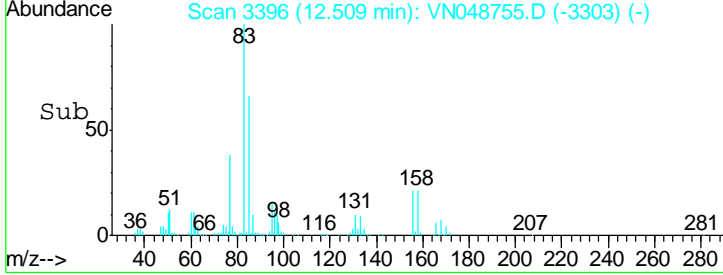
#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.10 ug/l
 RT: 12.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

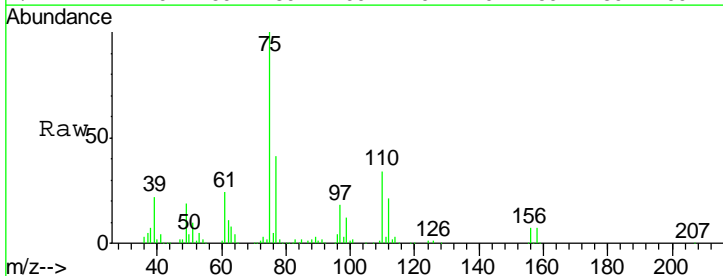


Tgt Ion	Resp	Lower	Upper
83	100		
131	9.8	5.3	15.8
85	65.6	32.4	97.0

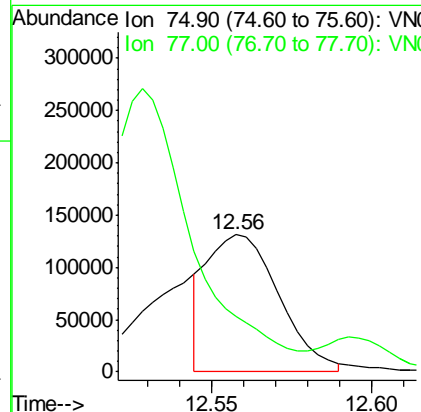
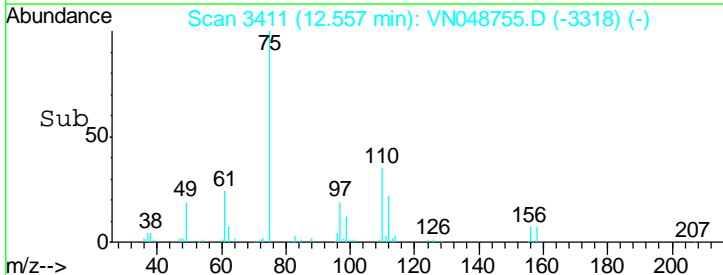
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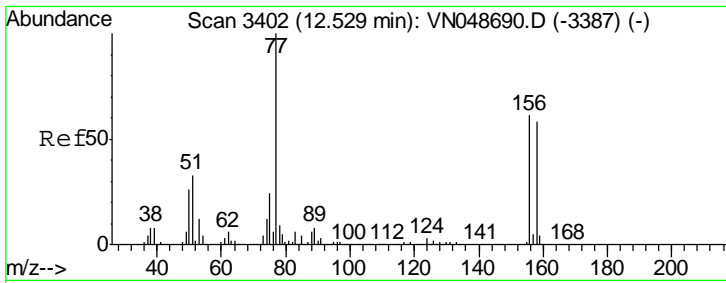


#76
 1,2,3-Trichloropropane
 Concen: 45.98 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26



Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0



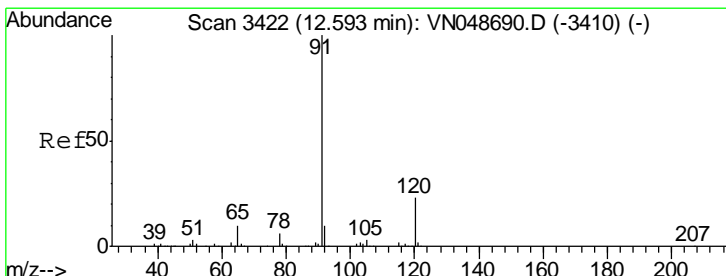
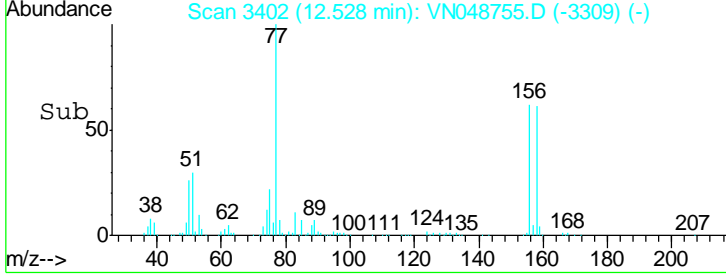
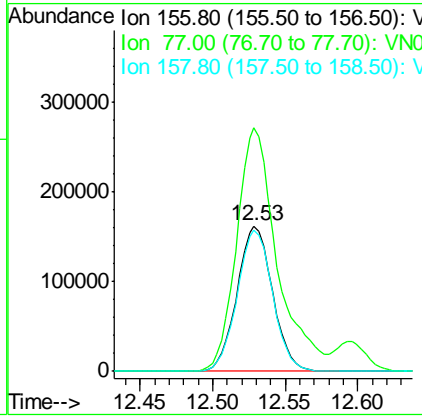
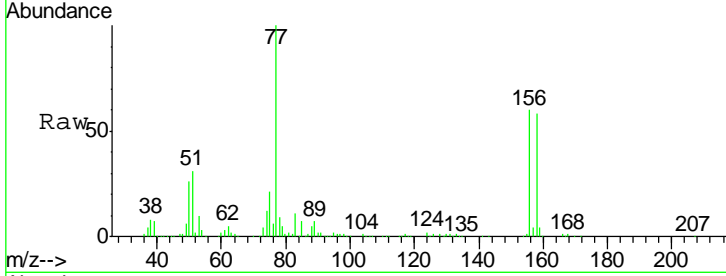


#77
 Bromobenzene
 Concen: 49.30 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

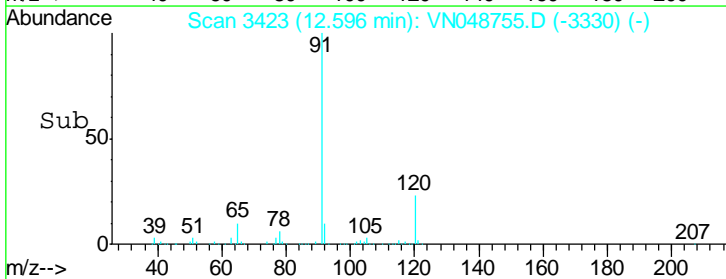
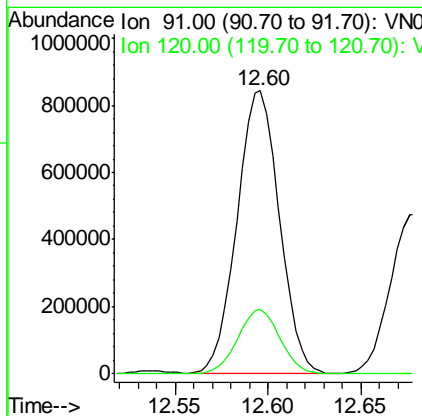
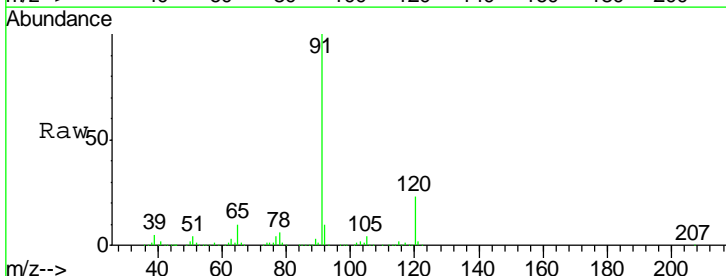
Tgt Ion	Resp	Lower	Upper
156	274377		
77	190.8	93.3	280.1
158	97.0	48.9	146.6

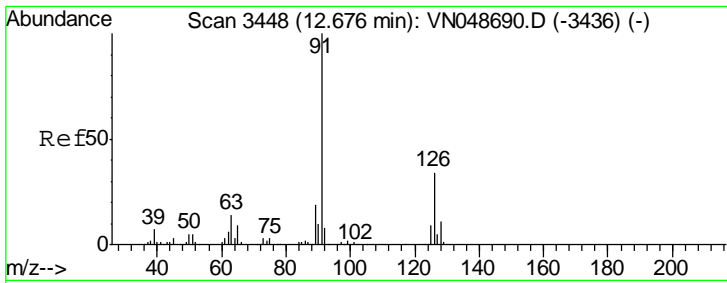
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#78
 n-propylbenzene
 Concen: 50.79 ug/l
 RT: 12.60 min Scan# 3423
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
91	1335071		
120	22.7	11.7	35.1



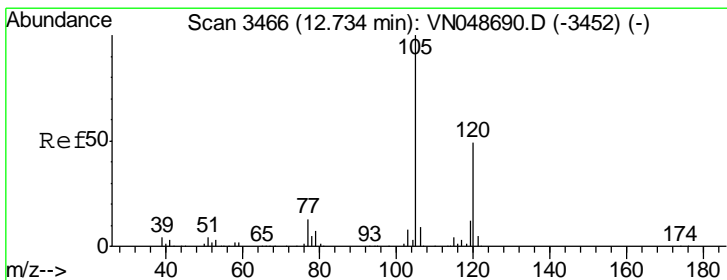
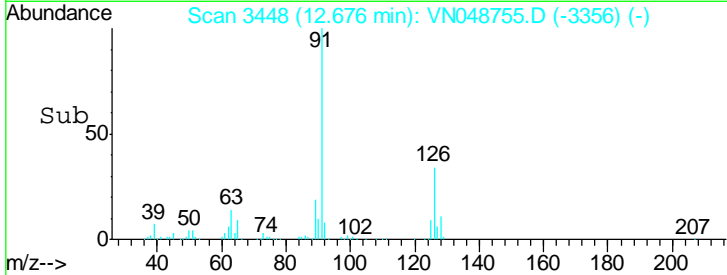
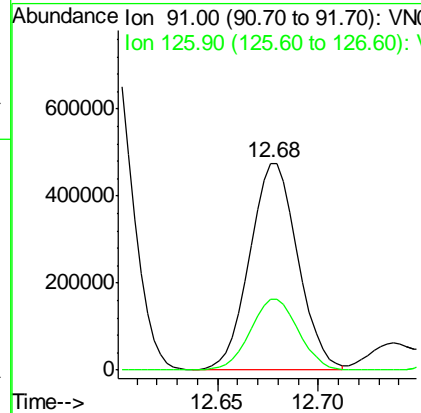
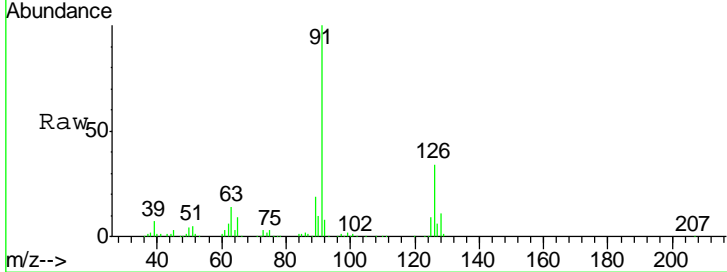


#79
 2-Chlorotoluene
 Concen: 50.23 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MS

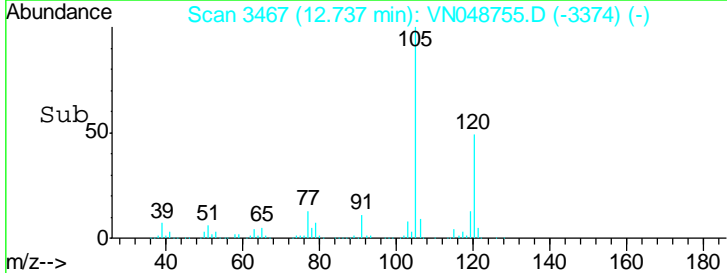
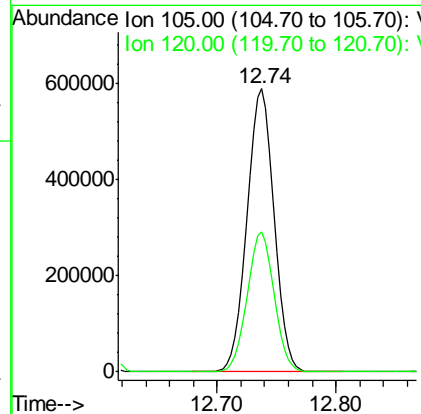
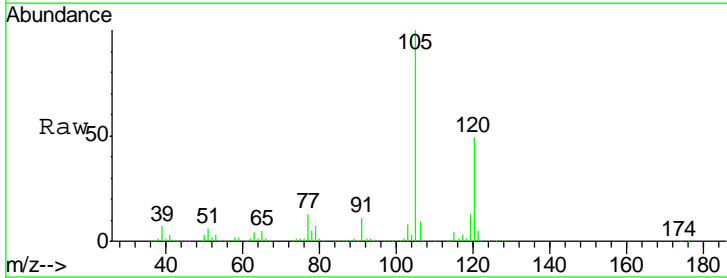
Tgt Ion	Resp	Lower	Upper
91	791950	100	
126	34.6	17.5	52.5

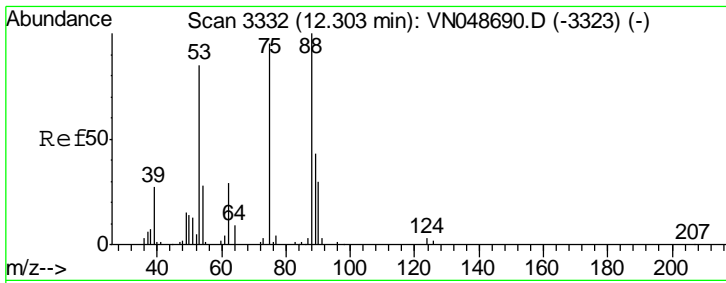
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.26 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
105	927096	100	
120	49.3	24.3	72.9



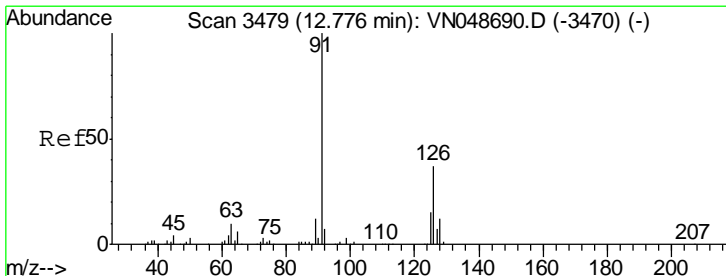
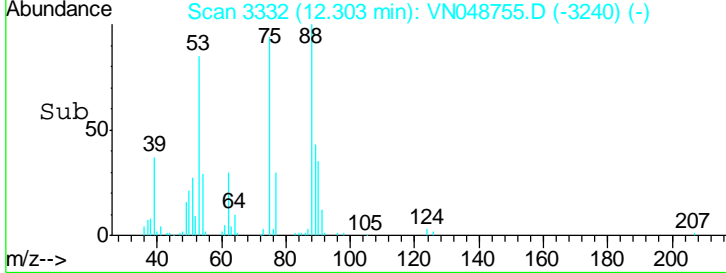
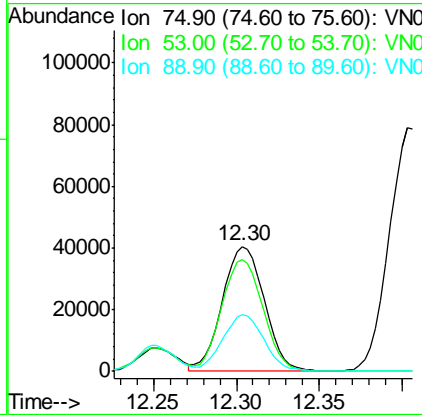
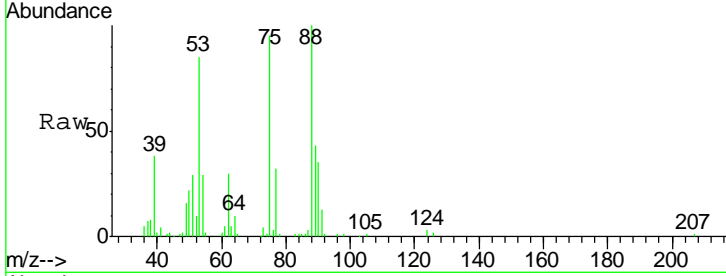


#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.63 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

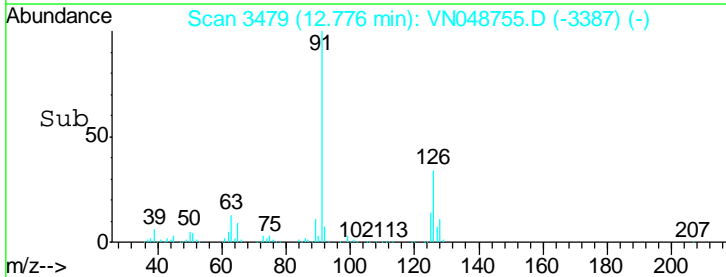
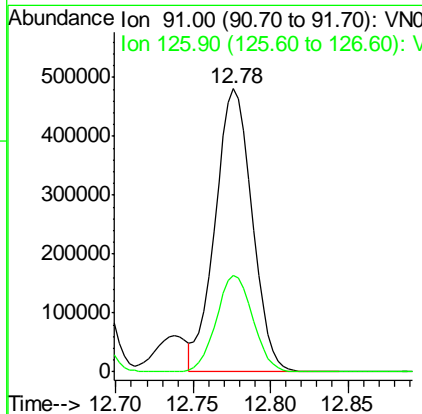
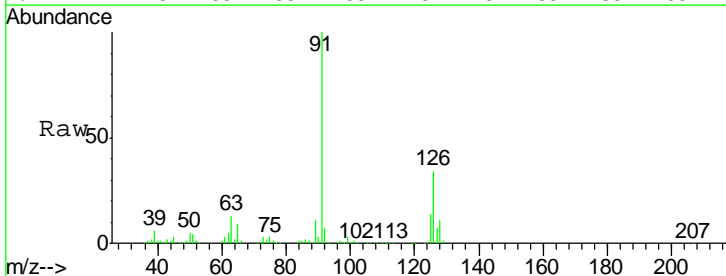
Tgt Ion	Resp	Lower	Upper
75	71445		
75	100		
53	88.4	72.0	108.0
89	44.6	35.2	52.8

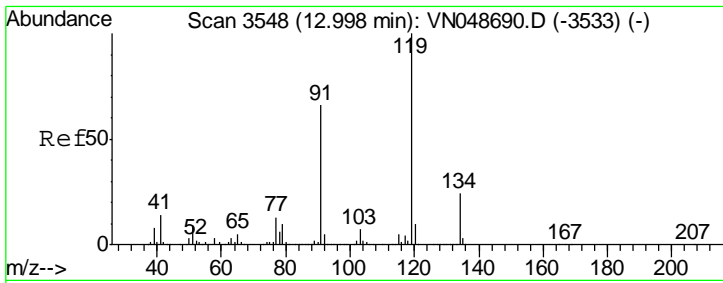
Manual Integrations
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#82
 4-Chlorotoluene
 Concen: 50.77 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

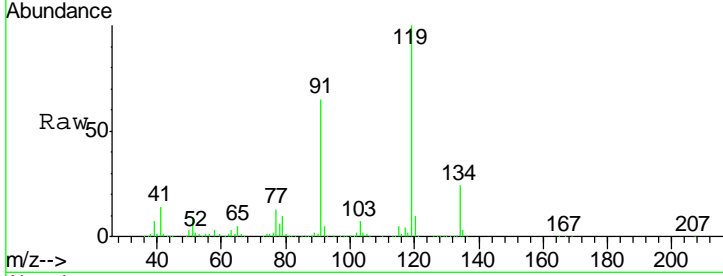
Tgt Ion	Resp	Lower	Upper
91	794967		
91	100		
126	34.0	17.2	51.6





#83
 tert-Butylbenzene
 Concen: 48.51 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

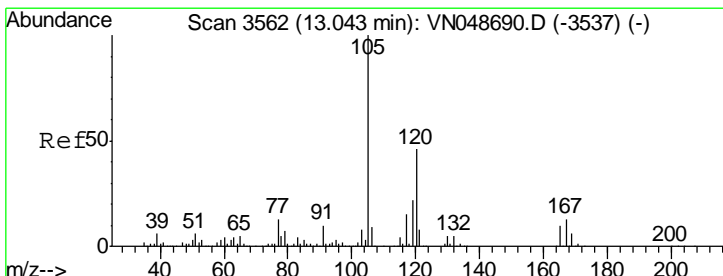
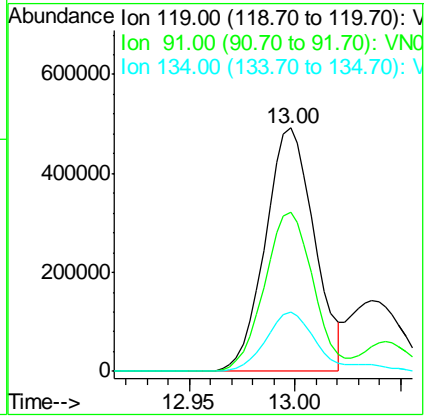
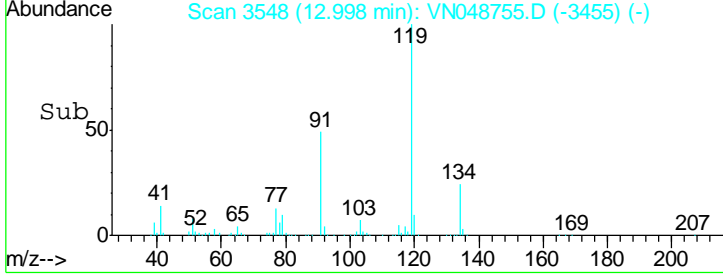
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS



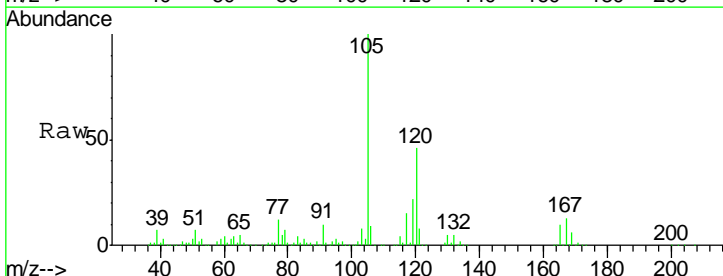
Tgt Ion: 119 Resp: 795699

Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.2	96.6
134	26.3	13.3	39.9

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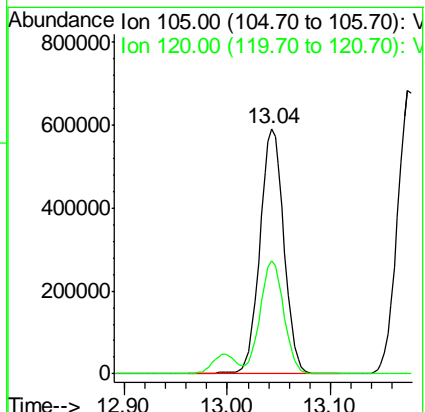
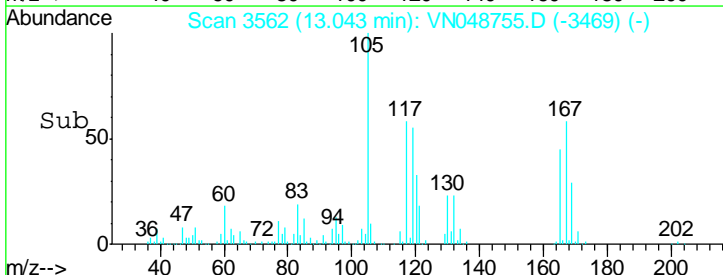


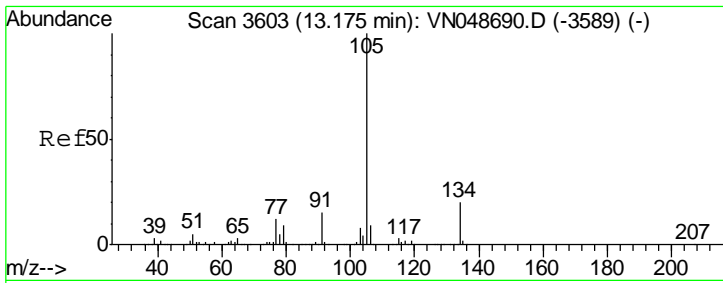
#84
 1,2,4-Trimethylbenzene
 Concen: 51.07 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26



Tgt Ion: 105 Resp: 946560

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.7	68.0



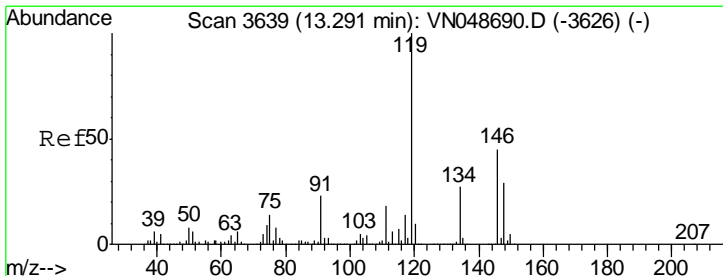
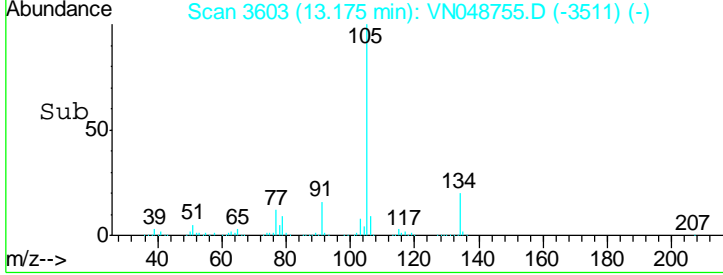
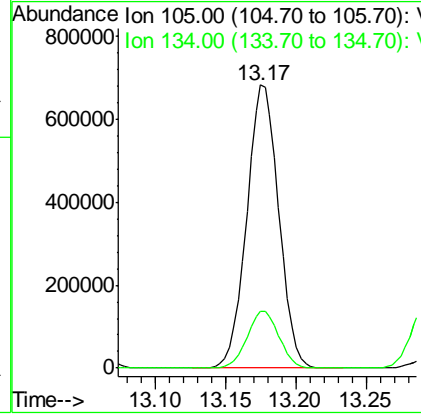
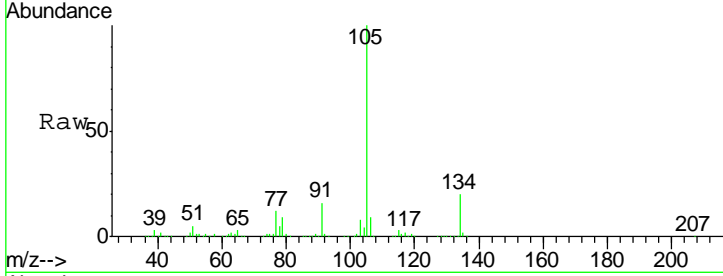


#85
 sec-Butylbenzene
 Concen: 49.73 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument :
 MSVOA_N
 Client Sampled :
 936-MW-17(20.5)MS

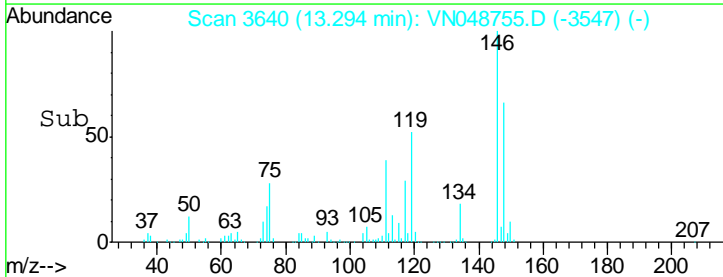
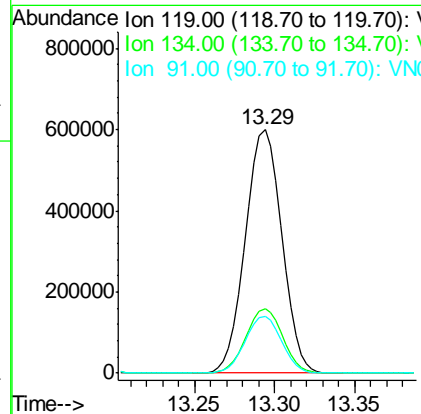
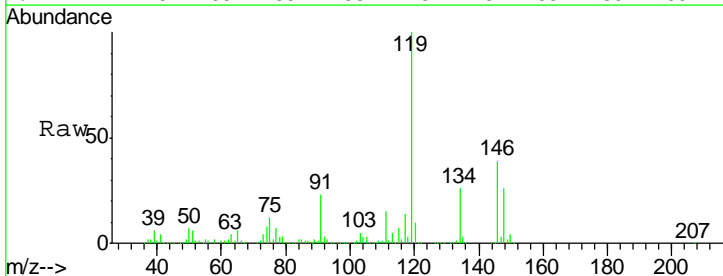
Tgt Ion	Resp	Lower	Upper
105	1081883		
134	20.2	10.1	30.3

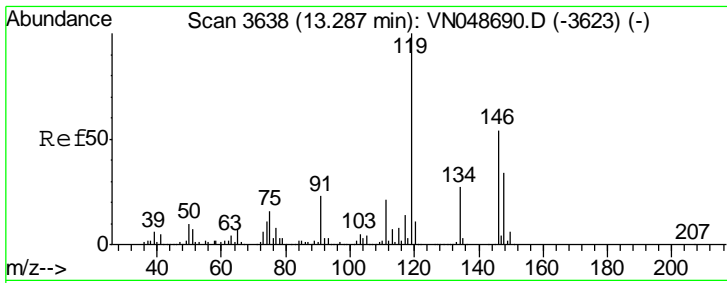
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#86
 p-Isopropyltoluene
 Concen: 50.09 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

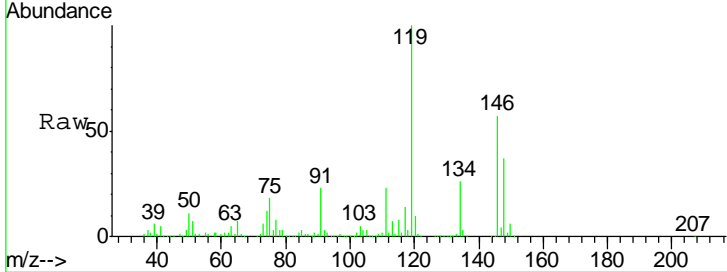
Tgt Ion	Resp	Lower	Upper
119	929615		
134	26.5	13.5	40.4
91	23.1	11.4	34.2





#87
 1,3-Dichlorobenzene
 Concen: 49.66 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

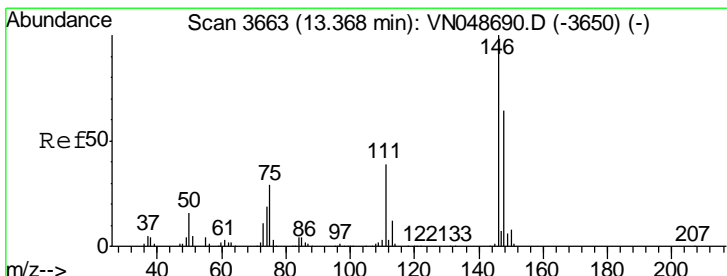
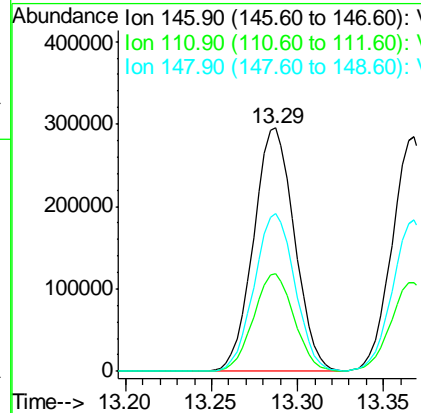
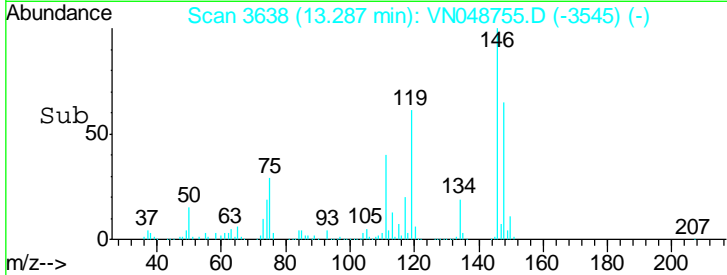
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MS



Tgt Ion:146 Resp: 487181

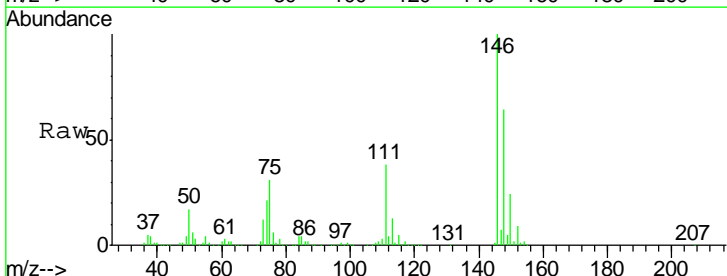
Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.9
148	64.4	32.1	96.5

Manual Integrations
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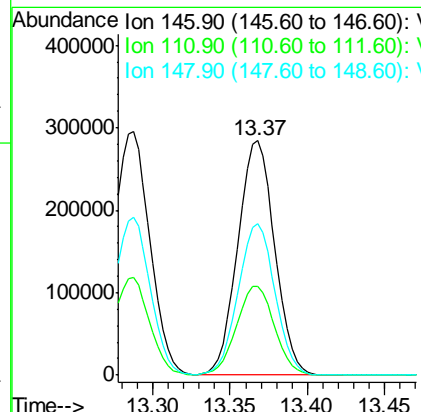
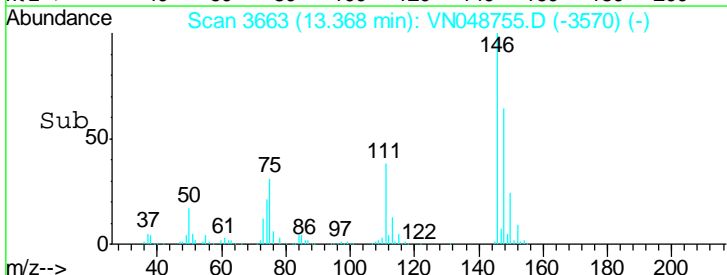
#88
 1,4-Dichlorobenzene
 Concen: 49.40 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

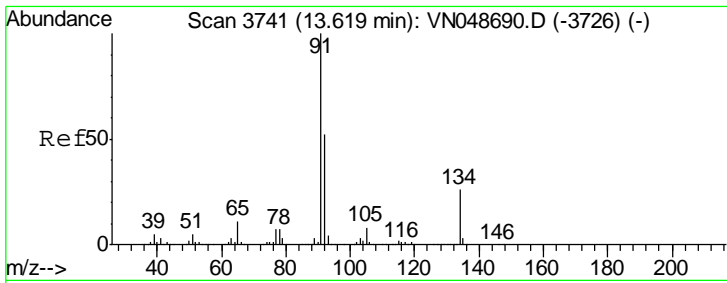
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MS



Tgt Ion:146 Resp: 470233

Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.5
148	64.5	32.2	96.6





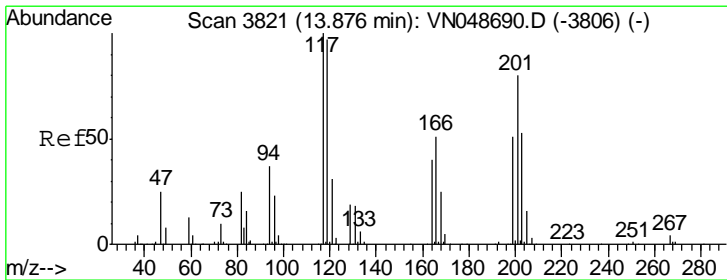
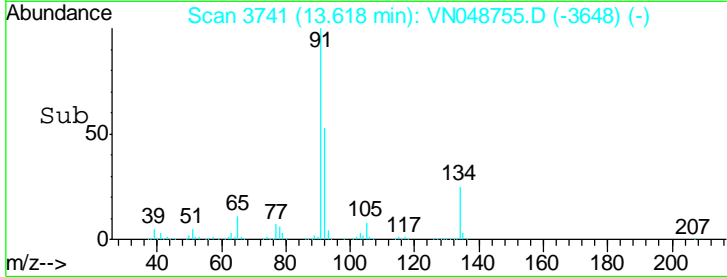
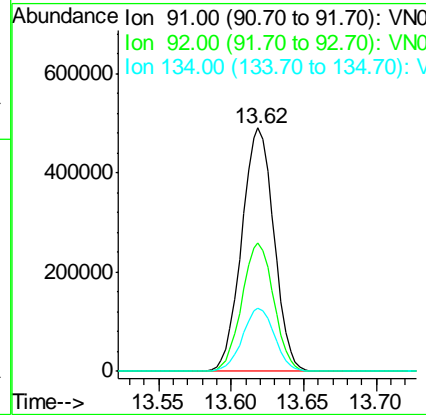
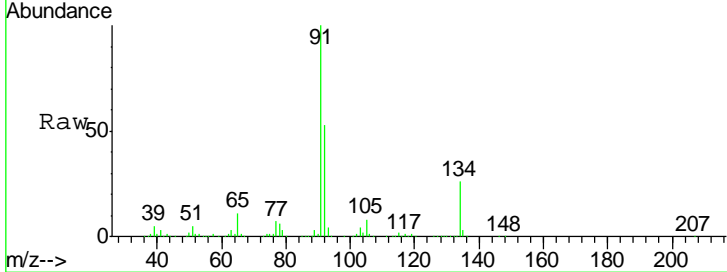
#89
 n-Butylbenzene
 Concen: 48.59 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

Tgt Ion	Resp	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	25.7	13.5	40.4

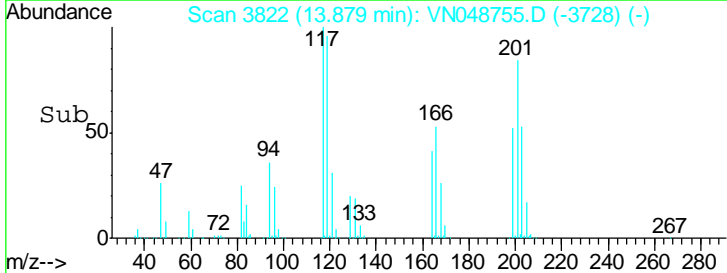
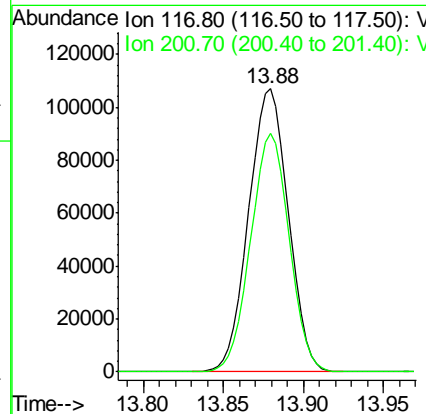
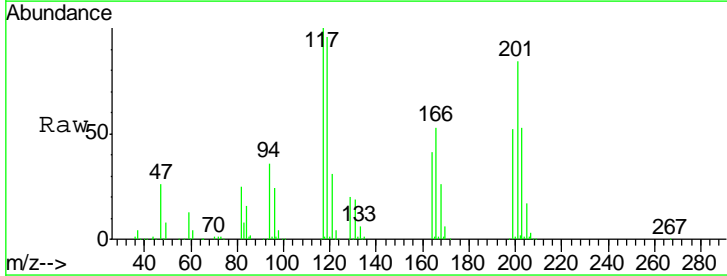
Manual Integrations
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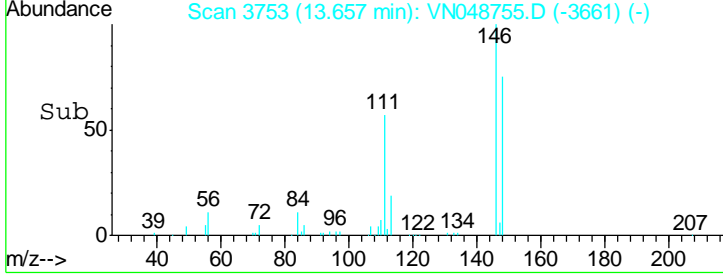
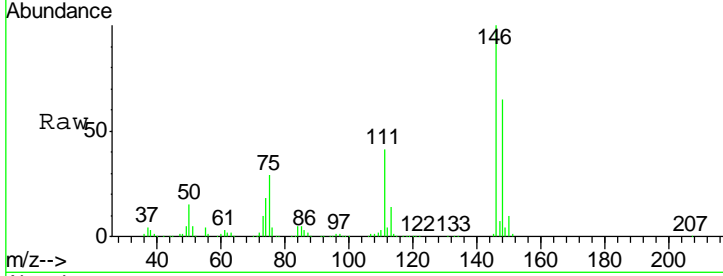
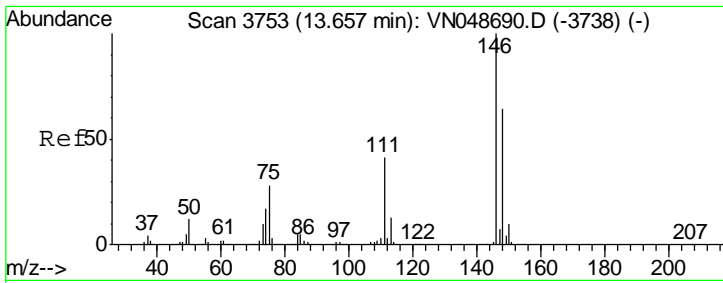
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#90
 Hexachloroethane
 Concen: 45.75 ug/l
 RT: 13.88 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
117	100		
201	82.3	44.6	134.0



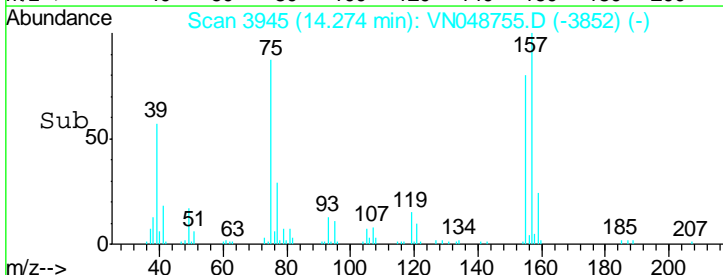
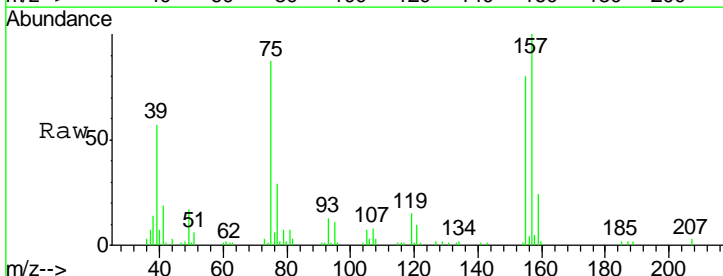
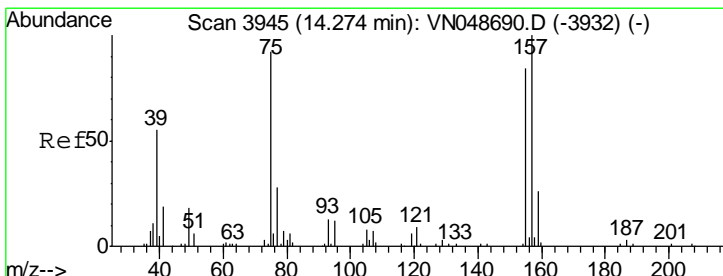
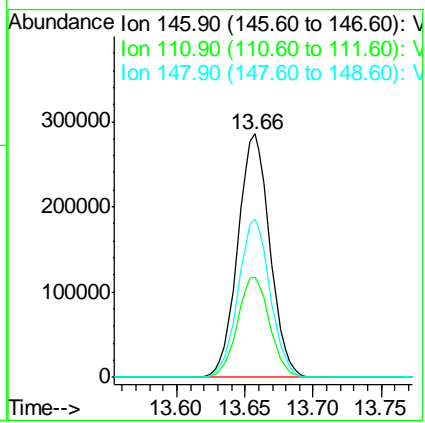


#91
 1,2-Dichlorobenzene
 Concen: 48.46 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
146	100		
111	41.2	19.9	59.6
148	64.6	32.0	96.0

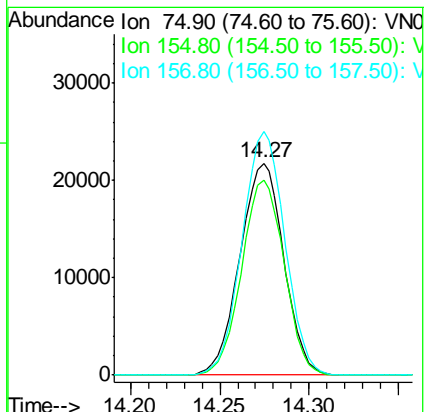
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

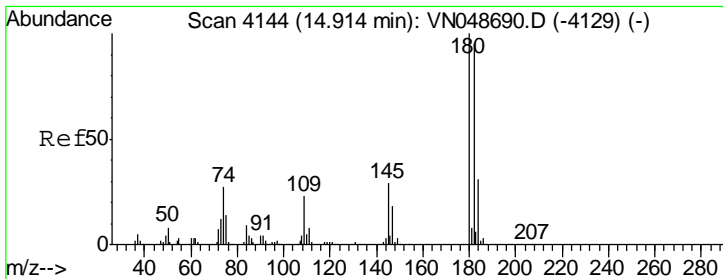
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.88 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

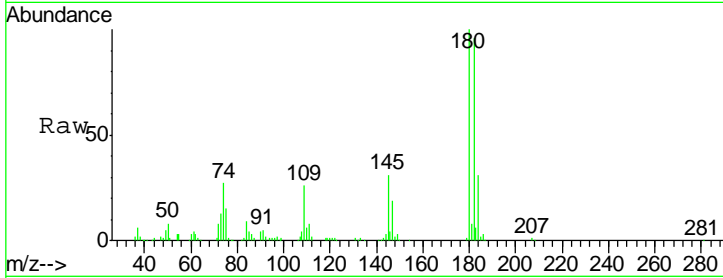
Tgt Ion	Resp	Lower	Upper
75	100		
155	89.2	47.1	141.4
157	111.8	60.9	182.6





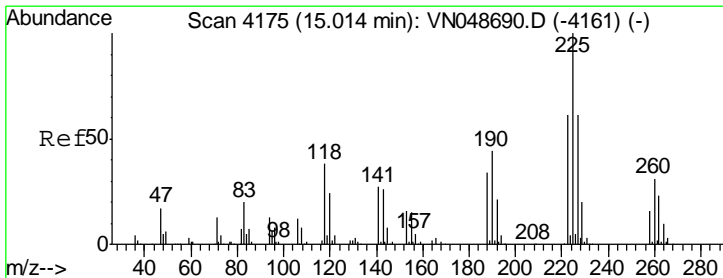
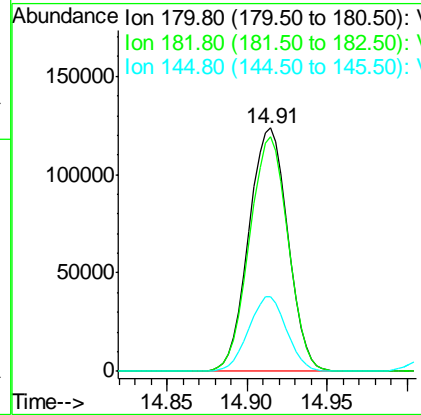
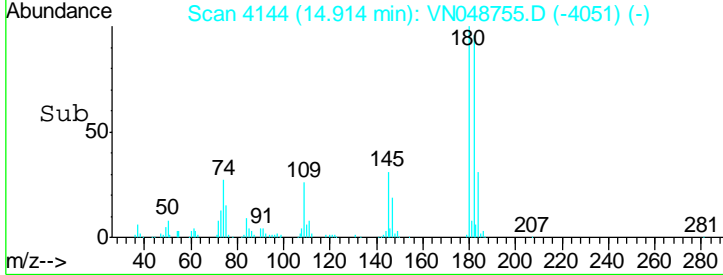
#93
 1,2,4-Trichlorobenzene
 Concen: 41.50 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

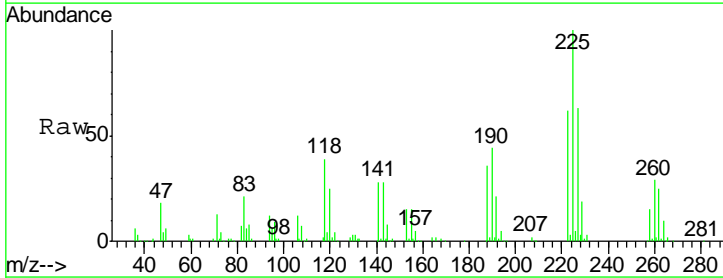


Tgt Ion	Resp	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	29.9	14.6	43.8

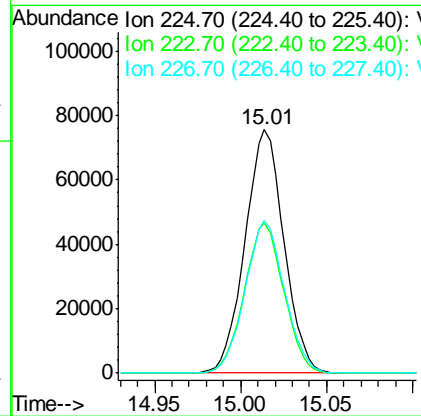
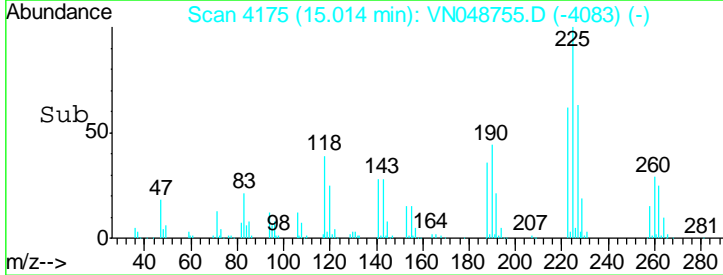
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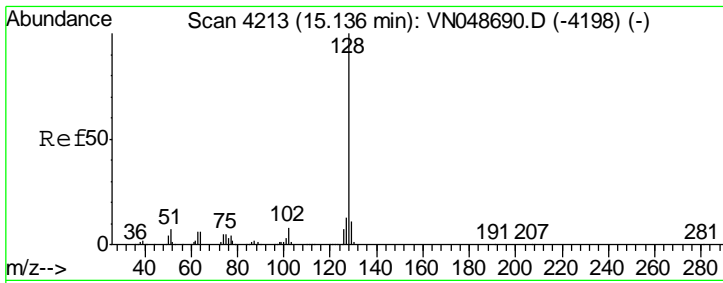


#94
 Hexachlorobutadiene
 Concen: 38.43 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26



Tgt Ion	Resp	Lower	Upper
225	100		
223	62.2	31.3	93.8
227	63.3	31.9	95.5



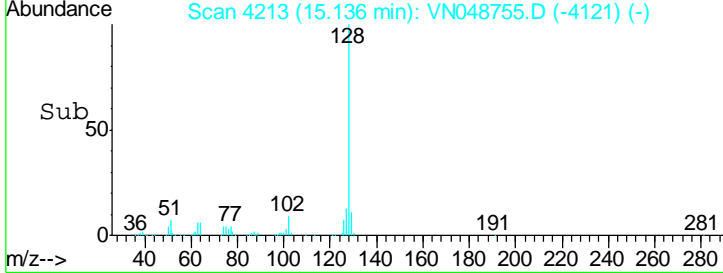
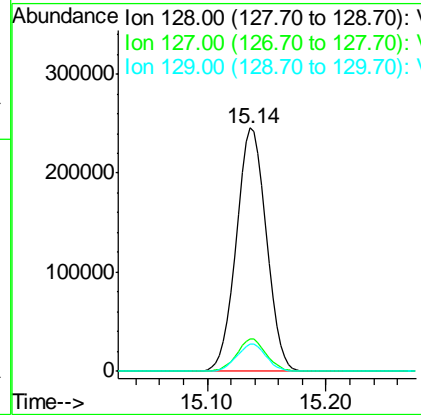
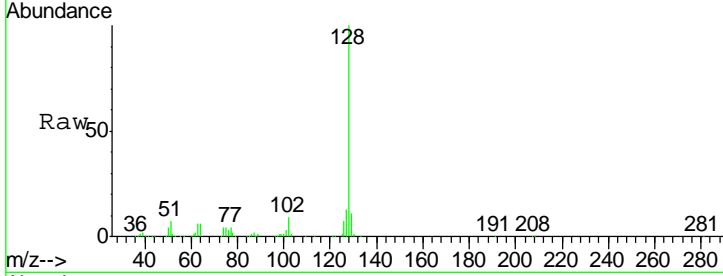


#95
 Naphthalene
 Concen: 39.84 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MS

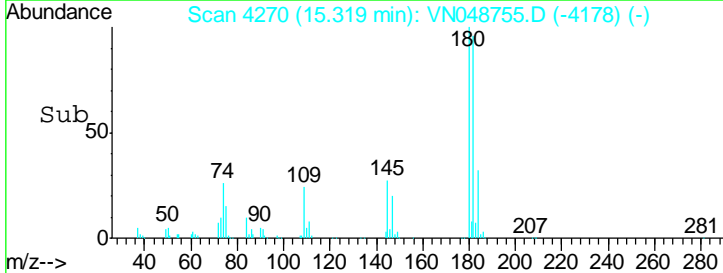
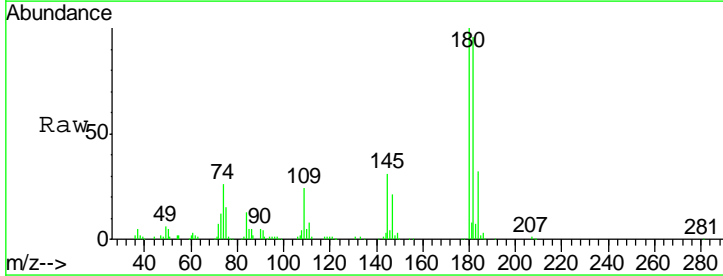
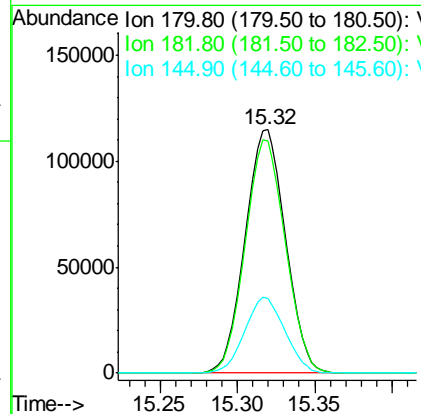
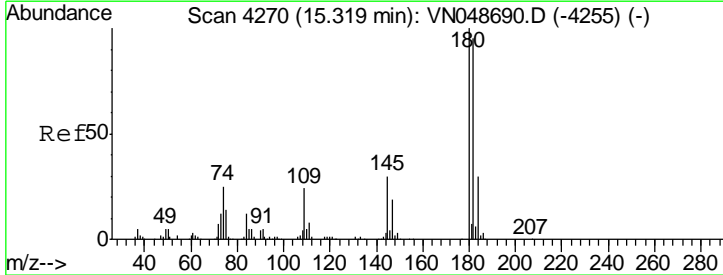
Tgt Ion	Resp	Lower	Upper
128	428823		
127	13.0	10.2	15.4
129	11.0	8.7	13.1

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#96
 1,2,3-Trichlorobenzene
 Concen: 43.13 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: VN048755.D
 Acq: 30 May 2018 21:26

Tgt Ion	Resp	Lower	Upper
180	208681		
182	95.3	48.4	145.0
145	30.9	15.3	45.9





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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	936-MW-17(20.5)MSD	SDG No.:	J3131
Lab Sample ID:	J3131-10MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048756.D	1		05/30/18 21:52	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	48.1		0.2	0.2	1	ug/L
74-87-3	Chloromethane	49.1		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	50		0.2	0.2	1	ug/L
74-83-9	Bromomethane	54.6		0.2	0.2	1	ug/L
75-00-3	Chloroethane	50.7		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	48.6		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	48.7		0.2	0.2	1	ug/L
67-64-1	Acetone	240		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	46.5		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	50.1		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	49.7		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	48.8		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	50.7		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	49.6		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	49		0.2	0.2	1	ug/L
78-93-3	2-Butanone	240		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	47.9		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	88.2		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	52.2		0.2	0.5	1	ug/L
67-66-3	Chloroform	49.7		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	49.2		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	49		0.2	0.2	1	ug/L
71-43-2	Benzene	50.6		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	49.5		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	100		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	51		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	49		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	250		1	1	5	ug/L
108-88-3	Toluene	51.6		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	50		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	49.1		0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	936-MW-17(20.5)MSD	SDG No.:	J3131
Lab Sample ID:	J3131-10MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048756.D	1		05/30/18 21:52	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	51		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	250		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	51.3		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	50.6		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	4600	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	50.5		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	51.1		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	100		0.4	0.4	2	ug/L
95-47-6	o-Xylene	51.5		0.2	0.2	1	ug/L
100-42-5	Styrene	52.8		0.2	0.2	1	ug/L
75-25-2	Bromoform	50.7		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	49.5		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	46.2		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	50.5		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	50		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	50		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	46.6		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	44.6		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	46.1		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.3		61 - 141		95%	SPK: 50
1868-53-7	Dibromofluoromethane	50		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	50		65 - 126		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		58 - 135		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	324314	7.67				
540-36-3	1,4-Difluorobenzene	486475	8.59				
3114-55-4	Chlorobenzene-d5	445234	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	252343	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	05/22/18
Project:	Andrew St. RI	Date Received:	05/24/18
Client Sample ID:	936-MW-17(20.5)MSD	SDG No.:	J3131
Lab Sample ID:	J3131-10MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN048756.D	1		05/30/18 21:52	VN053018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048756.D
 Acq On : 30 May 2018 21:52
 Operator : MD\SY
 Sample : J3131-10MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 936-MW-17(20.5)MSD

Manual Integrations
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 5/31/2018 3:07:10 PM

Quant Time: May 31 08:06:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	324314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	486475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	252343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	223010	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
35) Dibromofluoromethane	7.59	113	206103	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.09	98	762144	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	267379	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	186224	48.05	ug/l	100
3) Chloromethane	2.06	50	267348	49.07	ug/l	99
4) Vinyl Chloride	2.18	62	256140	49.95	ug/l	99
5) Bromomethane	2.56	94	145314	54.59	ug/l	98
6) Chloroethane	2.70	64	147242	50.69	ug/l	97
7) Trichlorofluoromethane	3.01	101	335962	48.58	ug/l	98
8) Diethyl Ether	3.41	74	128716	50.26	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	212692	47.96	ug/l	96
10) Methyl Iodide	3.95	142	306521	49.97	ug/l	99
11) Tert butyl alcohol	4.80	59	73380	225.29	ug/l	98
12) 1,1-Dichloroethene	3.73	96	205984	48.68	ug/l	95
13) Acrolein	3.61	56	105331	216.39	ug/l	100
14) Allyl chloride	4.32	41	373838	47.24	ug/l	99
15) Acrylonitrile	4.99	53	391429	255.69	ug/l	100
16) Acetone	3.82	43	274125	235.68	ug/l	96
17) Carbon Disulfide	4.05	76	642946	46.47	ug/l	99
18) Methyl Acetate	4.33	43	171100	49.67	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	579821	50.10	ug/l	98
20) Methylene Chloride	4.55	84	247148	48.79	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	228931	50.71	ug/l	100
22) Diisopropyl ether	5.96	45	775521	51.37	ug/l	98
23) Vinyl Acetate	5.90	43	2436974	237.47	ug/l	99
24) 1,1-Dichloroethane	5.85	63	441376	49.60	ug/l	100
25) 2-Butanone	6.84	43	430995	239.65	ug/l	99
26) 2,2-Dichloropropane	6.82	77	310049	41.85	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	449214	88.21	ug/l	96
28) Bromochloromethane	7.20	49	210785	52.20	ug/l	92
29) Tetrahydrofuran	7.22	42	295260	245.18	ug/l	97
30) Chloroform	7.37	83	425492	49.72	ug/l	99
31) Cyclohexane	7.65	56	395399	49.00	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	366356	49.15	ug/l	98
36) 1,1-Dichloropropene	7.79	75	332597	49.47	ug/l	98
37) Ethyl Acetate	6.93	43	192674	47.85	ug/l	99
38) Carbon Tetrachloride	7.78	117	329090	47.91	ug/l	100

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048756.D
 Acq On : 30 May 2018 21:52
 Operator : MD\SY
 Sample : J3131-10MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 936-MW-17(20.5)MSD

Manual Integrations
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Quant Time: May 31 08:06:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	358126	49.00	ug/l	98
40) Benzene	8.04	78	992090	50.58	ug/l	99
41) Methacrylonitrile	7.17	41	110845	49.75	ug/l	98
42) 1,2-Dichloroethane	8.13	62	303171	49.51	ug/l	99
43) Isopropyl Acetate	8.17	43	374995	50.49	ug/l #	88
44) Trichloroethene	8.84	130	518540	102.72	ug/l	96
45) 1,2-Dichloropropane	9.12	63	272308	51.00	ug/l	99
46) Dibromomethane	9.21	93	150264	50.19	ug/l	95
47) Bromodichloromethane	9.41	83	328417	49.03	ug/l	99
48) Methyl methacrylate	9.20	41	181662	50.63	ug/l	100
49) 1,4-Dioxane	9.20	88	43442	981.07	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	992144	253.58	ug/l	100
52) Toluene	10.16	92	596869	51.56	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	336701	50.00	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	384455	49.09	ug/l	98
55) 1,1,2-Trichloroethane	10.57	97	211790	50.95	ug/l	98
56) Ethyl methacrylate	10.44	69	281629	48.47	ug/l	99
57) 1,3-Dichloropropane	10.71	76	372701	51.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.72	63	3466	12.91	ug/l #	48
59) 2-Hexanone	10.76	43	642764	249.18	ug/l	99
60) Dibromochloromethane	10.90	129	249921	51.28	ug/l	100
61) 1,2-Dibromoethane	11.01	107	207684	50.61	ug/l	99
64) Tetrachloroethene	10.63	164	20553158m	4559.68	ug/l	
65) Chlorobenzene	11.44	112	657896	50.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	243653	49.64	ug/l	99
67) Ethyl Benzene	11.52	91	1153233	51.09	ug/l	100
68) m/p-Xylenes	11.62	106	878865	103.27	ug/l	100
69) o-Xylene	11.95	106	422432	51.46	ug/l	100
70) Styrene	11.97	104	681067	52.78	ug/l	99
71) Bromoform	12.13	173	160805	50.67	ug/l #	99
73) Isopropylbenzene	12.25	105	1115978	49.46	ug/l	100
74) N-amyl acetate	12.07	43	313812	47.23	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	256474	46.16	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	197986m	45.44	ug/l	
77) Bromobenzene	12.53	156	266055	48.50	ug/l	97
78) n-propylbenzene	12.60	91	1318584	50.89	ug/l	98
79) 2-Chlorotoluene	12.68	91	775525	49.90	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	909626	50.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	69466	44.01	ug/l	99
82) 4-Chlorotoluene	12.78	91	786040	50.92	ug/l	99
83) tert-Butylbenzene	13.00	119	790699	48.89	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	921175	50.42	ug/l	99
85) sec-Butylbenzene	13.17	105	1067110	49.75	ug/l	99
86) p-Isopropyltoluene	13.29	119	910544	49.77	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	488692	50.53	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	469325	50.01	ug/l	99
89) n-Butylbenzene	13.62	91	765487	49.80	ug/l	98
90) Hexachloroethane	13.88	117	177808	45.36	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	472726	49.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38434	46.61	ug/l	95

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048756.D
 Acq On : 30 May 2018 21:52
 Operator : MD\SY
 Sample : J3131-10MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 936-MW-17(20.5)MSD

Manual Integrations
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Quant Time: May 31 08:06:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	219175	44.58	ug/l	100
94) Hexachlorobutadiene	15.01	225	125143	41.17	ug/l	100
95) Naphthalene	15.14	128	467509	43.62	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	220612	46.10	ug/l	98

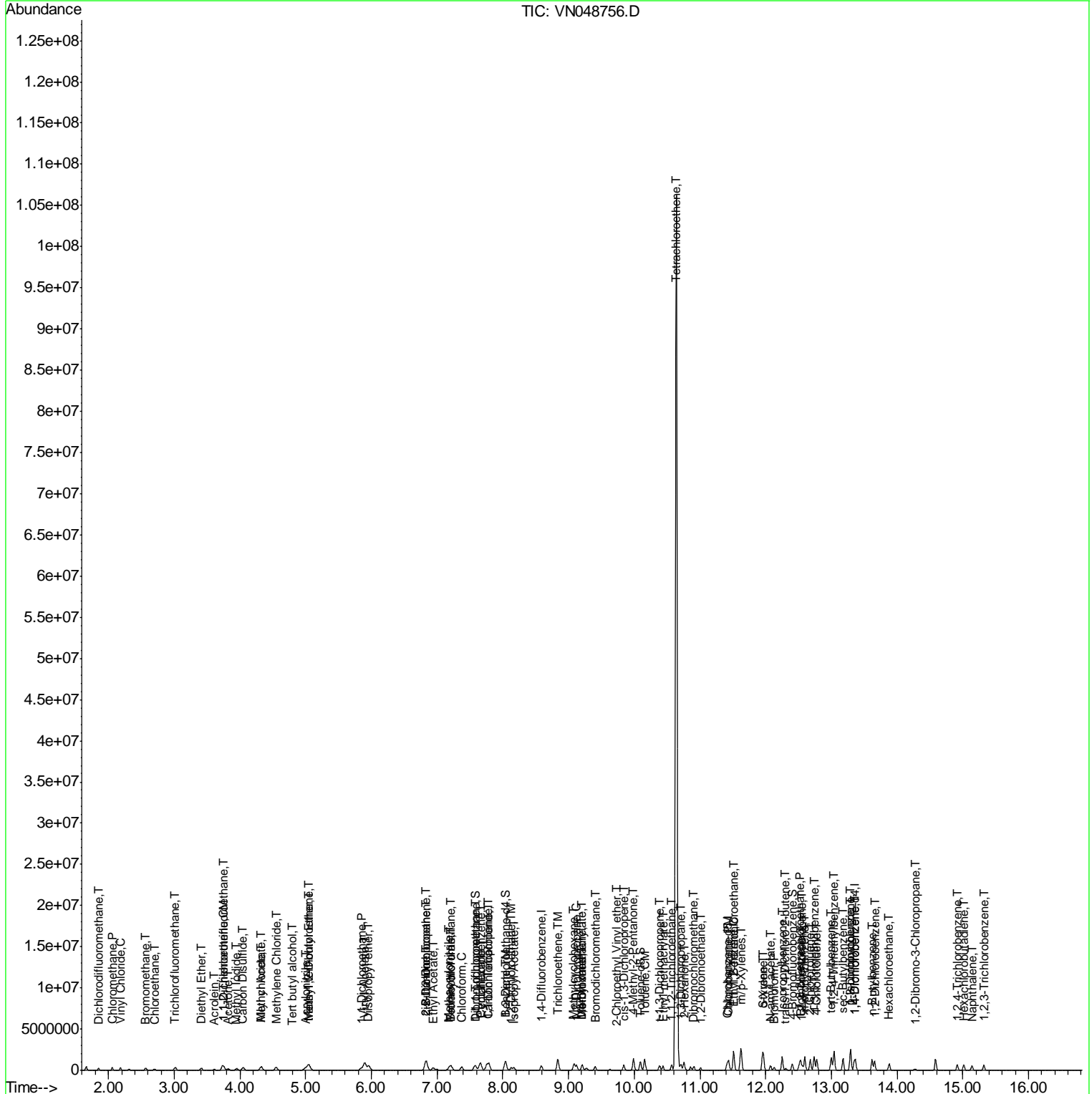
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN053018\
 Data File : VN048756.D
 Acq On : 30 May 2018 21:52
 Operator : MD\SY
 Sample : J3131-10MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

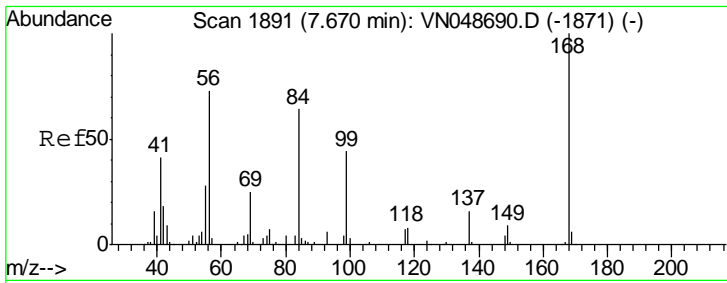
Instrument :
 MSVOA_N
 Client Sample Id :
 936-MW-17(20.5)MSD

Quant Time: May 31 08:06:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N052918W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 30 01:24:39 2018
 Response via : Initial Calibration

Manual Integrations
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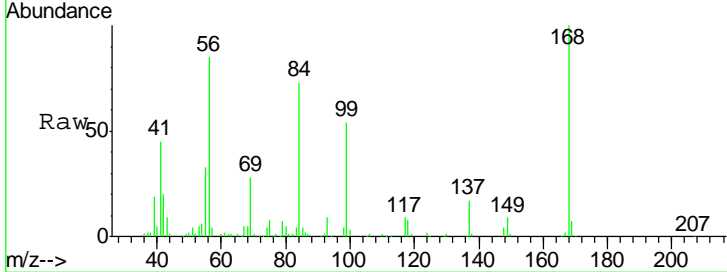


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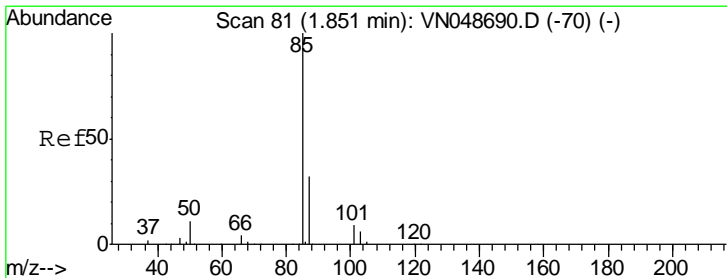
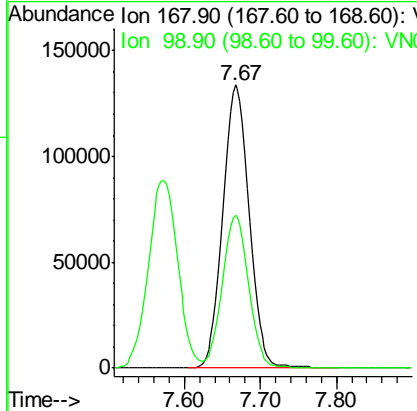
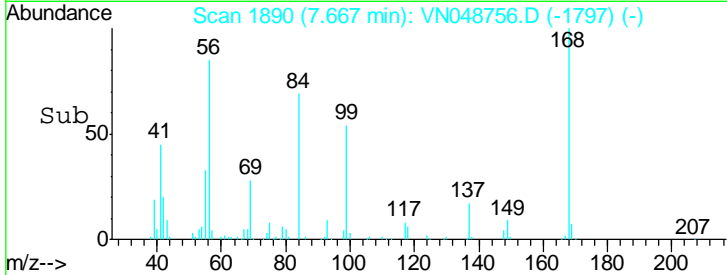
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

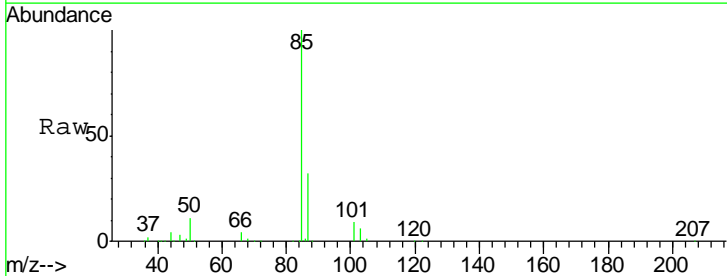


Tgt Ion: 168 Resp: 324314
 Ion Ratio Lower Upper
 168 100
 99 53.9 40.8 61.2

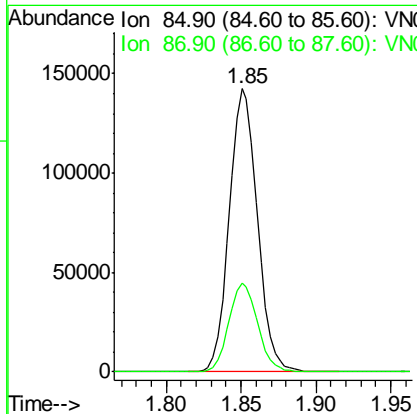
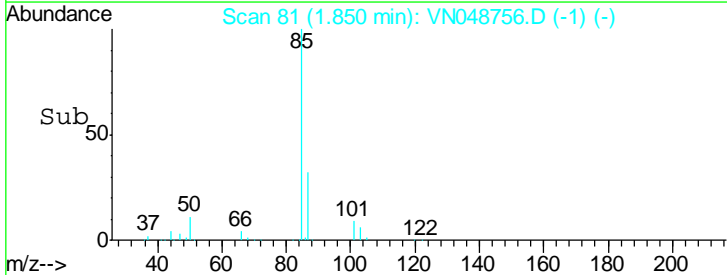
Manual Integrations APPROVED
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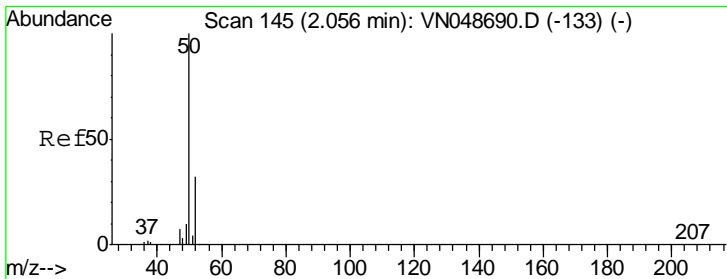


#2
 Dichlorodifluoromethane
 Concen: 48.05 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



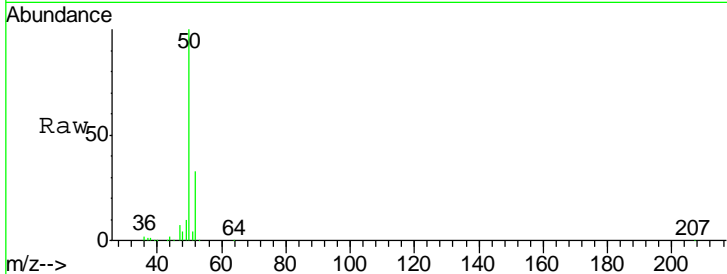
Tgt Ion: 85 Resp: 186224
 Ion Ratio Lower Upper
 85 100
 87 31.6 15.9 47.7





#3
 Chloromethane
 Concen: 49.07 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

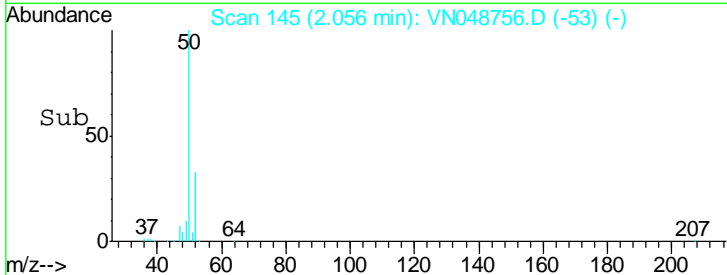
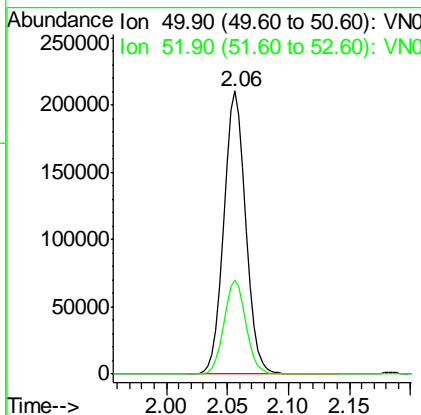
Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MSD



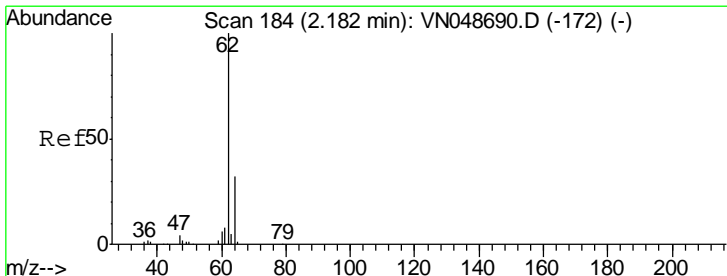
Tgt Ion: 50 Resp: 267348
 Ion Ratio Lower Upper
 50 100
 52 33.0 26.0 39.0

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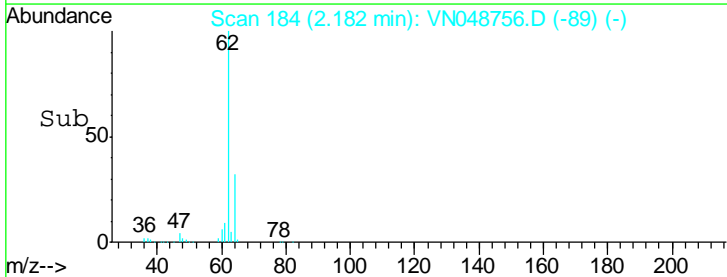
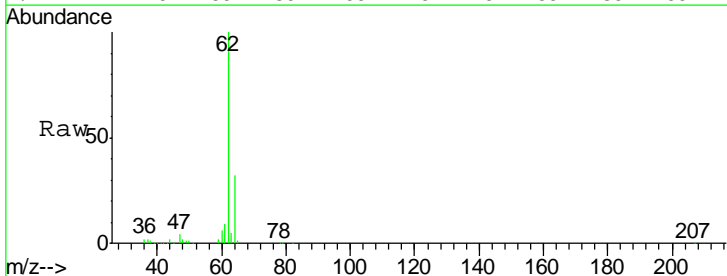
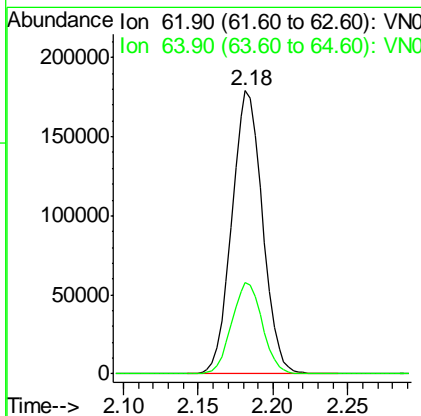
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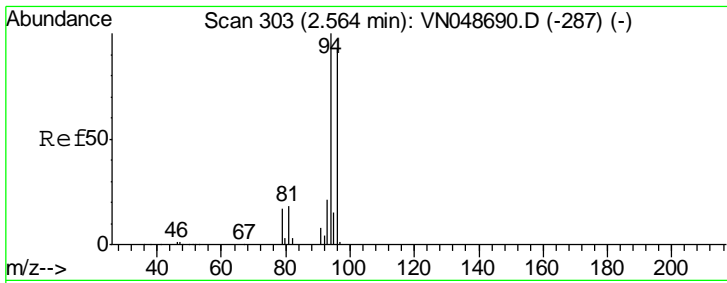


#4
 Vinyl Chloride
 Concen: 49.95 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion: 62 Resp: 256140
 Ion Ratio Lower Upper
 62 100
 64 32.3 25.6 38.4



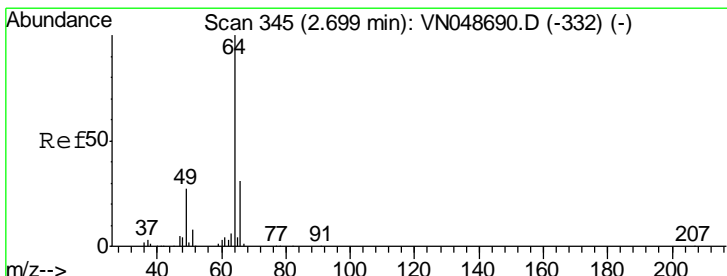
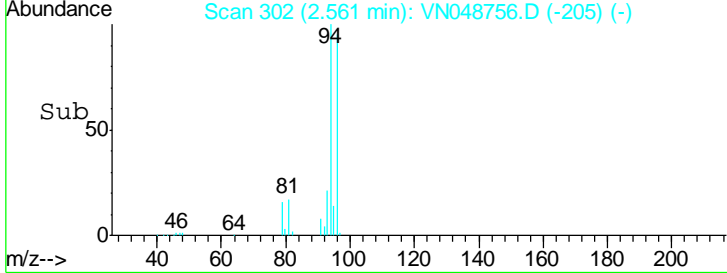
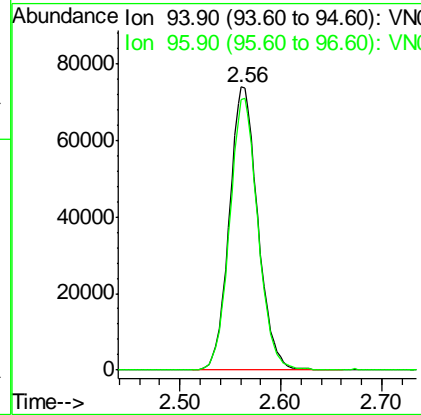
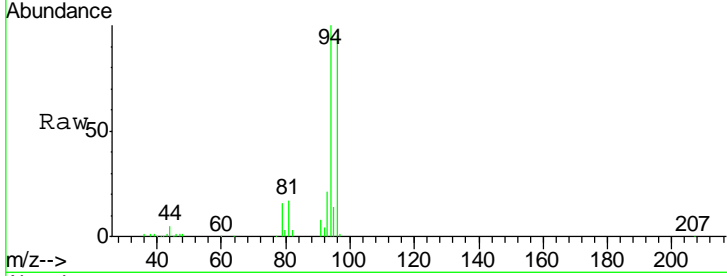


#5
 Bromomethane
 Concen: 54.59 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
94	145314		
96	95.4	78.0	117.0

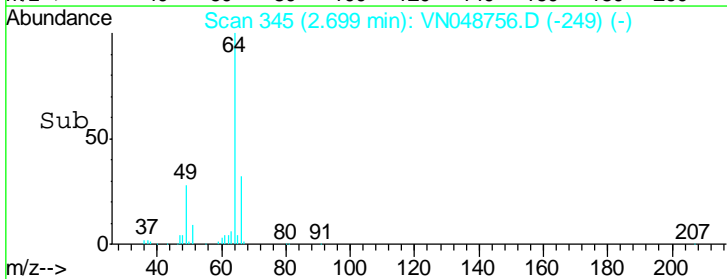
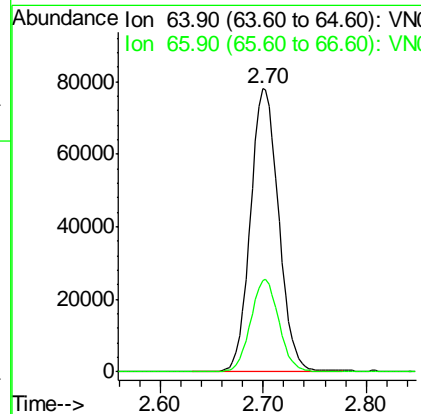
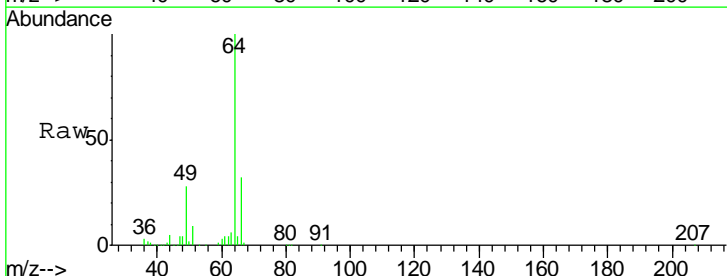
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

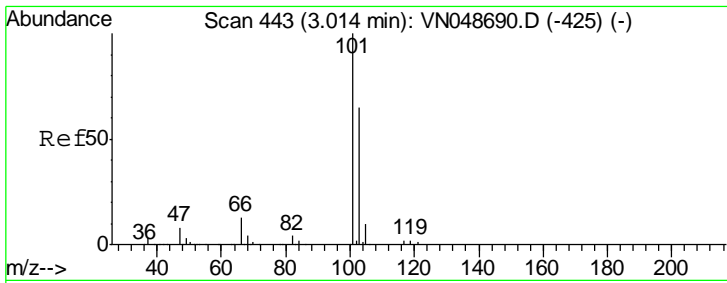
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#6
 Chloroethane
 Concen: 50.69 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
64	147242		
66	32.4	24.8	37.2



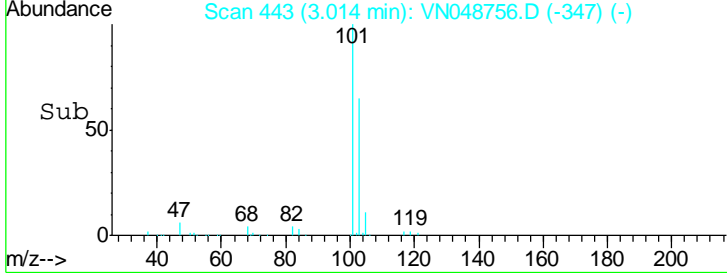
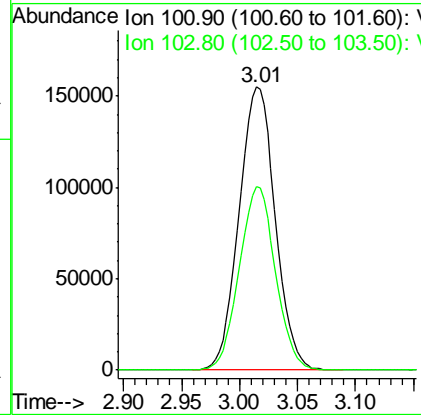
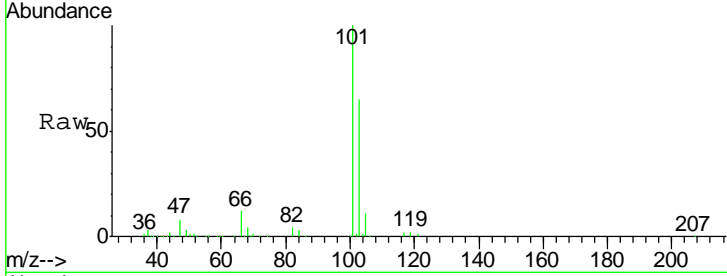


#7
 Trichlorofluoromethane
 Concen: 48.58 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
101	335962		
103	64.7	50.8	76.2

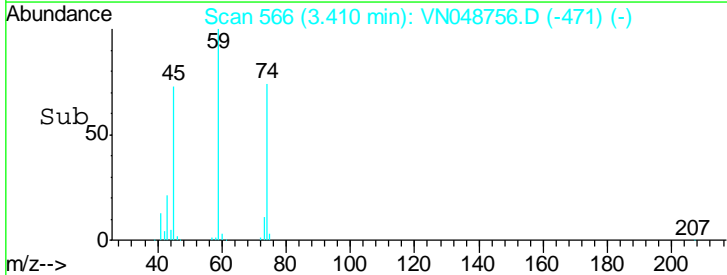
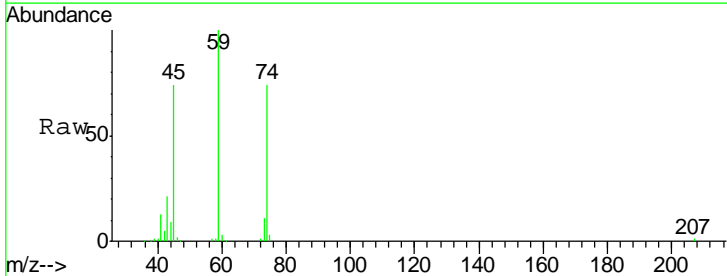
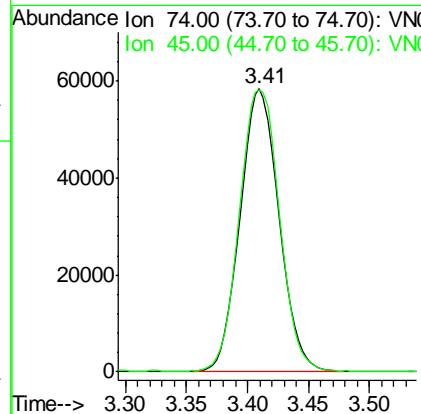
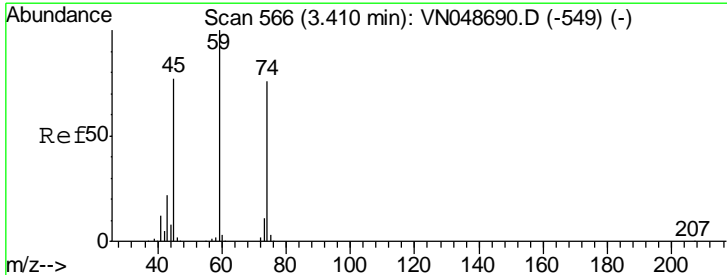
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MSD

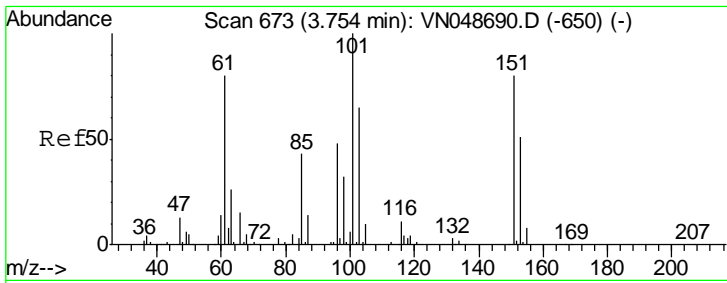
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#8
 Diethyl Ether
 Concen: 50.26 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

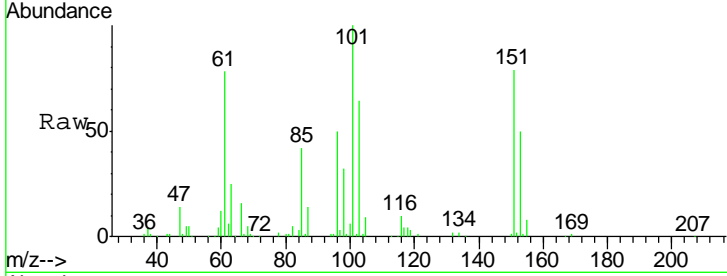
Tgt Ion	Resp	Lower	Upper
74	128716		
45	103.1	50.0	150.0





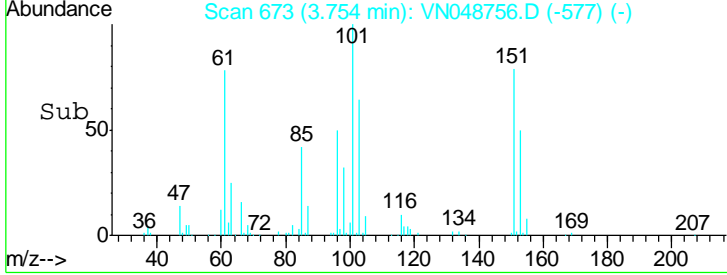
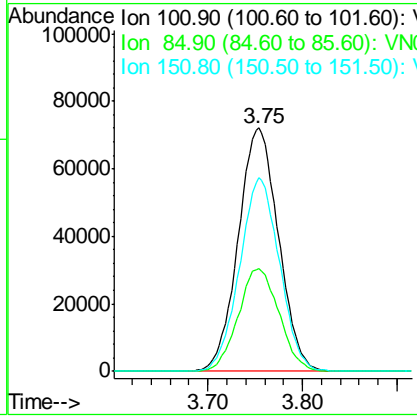
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.96 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MSD

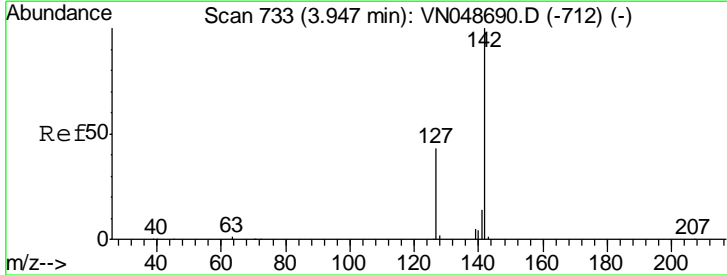


Tgt Ion	Resp	Lower	Upper
101	212692		
101	100		
85	42.8	33.3	49.9
151	78.8	66.5	99.7

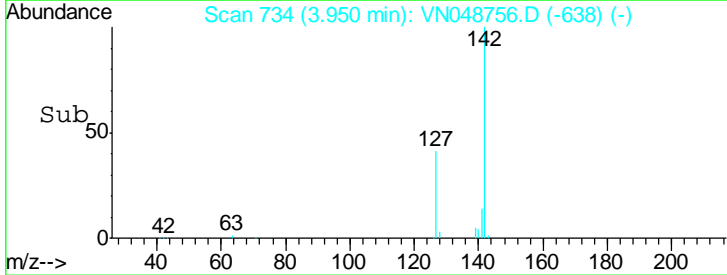
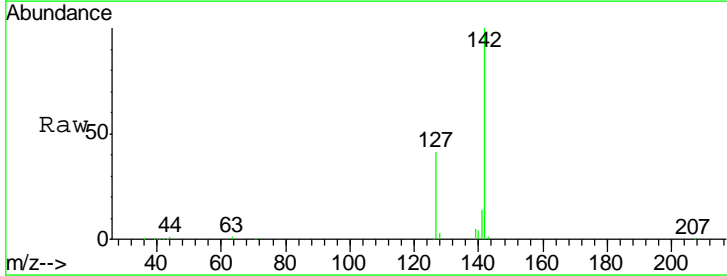
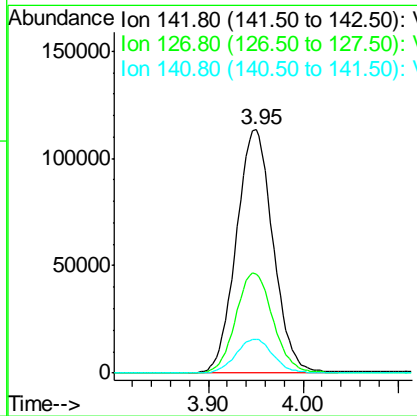
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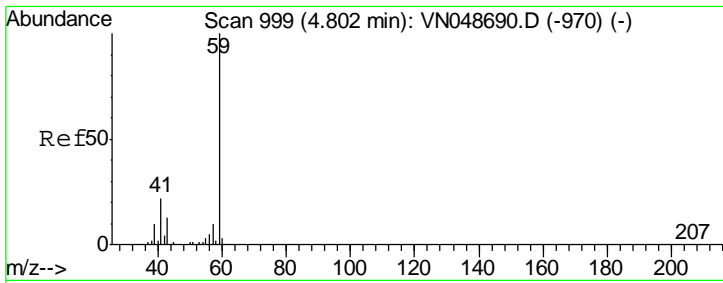


#10
 Methyl Iodide
 Concen: 49.97 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion	Resp	Lower	Upper
142	306521		
142	100		
127	41.8	32.5	48.7
141	14.1	11.3	16.9



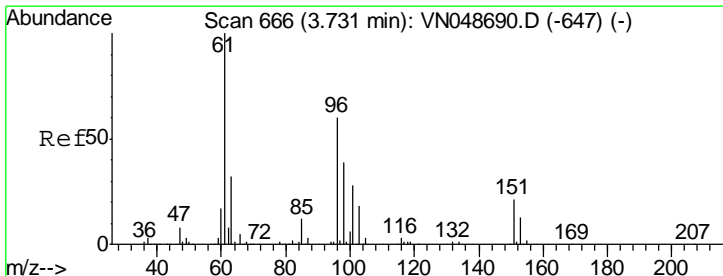
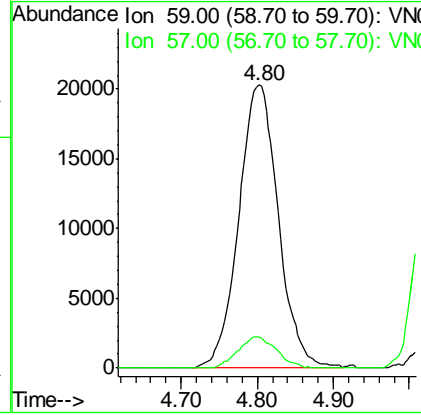
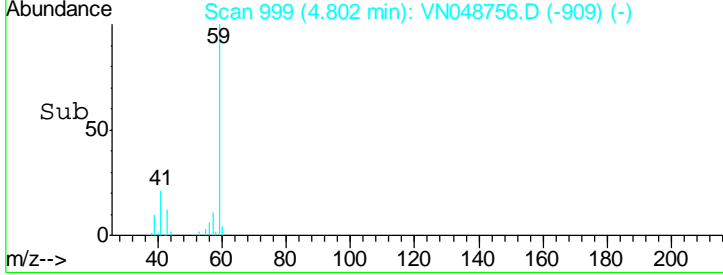
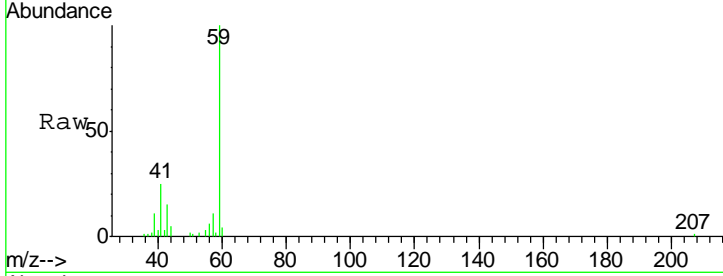


#11
 Tert butyl alcohol
 Concen: 225.29 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
59	73380		
57	10.8	8.1	12.1

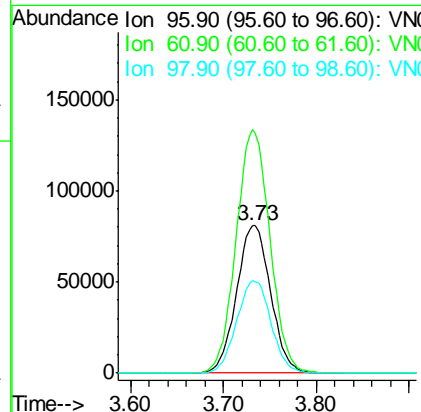
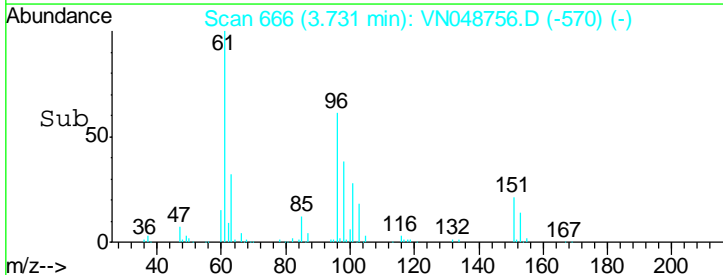
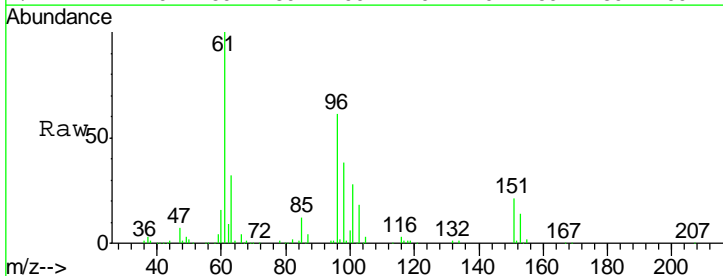
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MSD

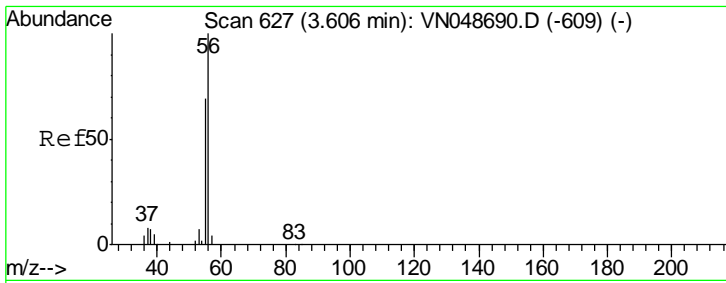
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#12
 1,1-Dichloroethene
 Concen: 48.68 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
96	205984		
61	165.2	125.6	188.4
98	62.5	51.0	76.4



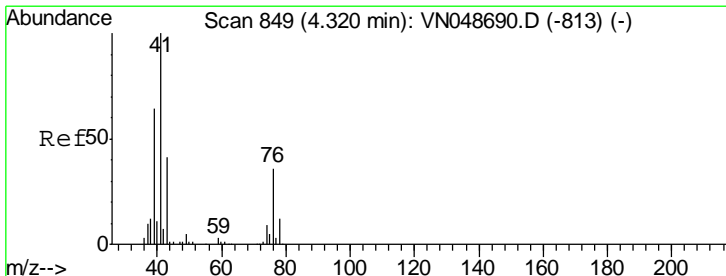
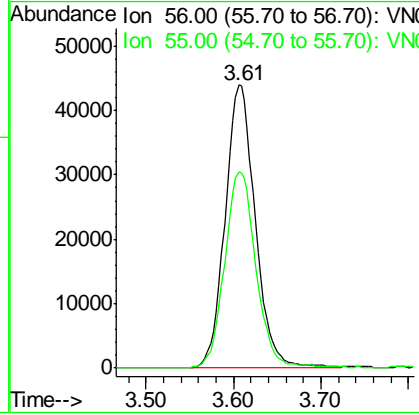
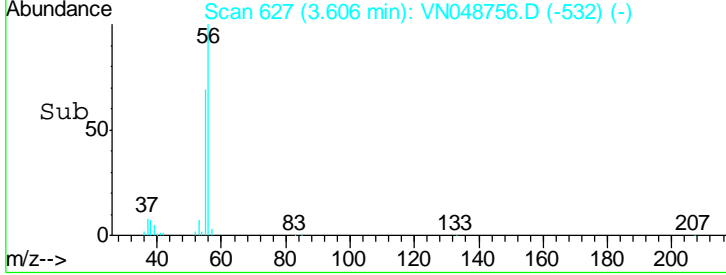
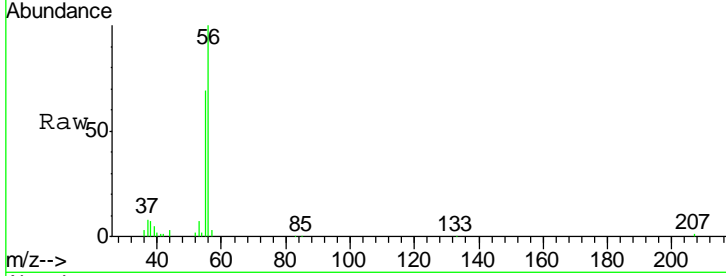


#13
 Acrolein
 Concen: 216.39 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
56	105331		
55	71.5	57.1	85.7

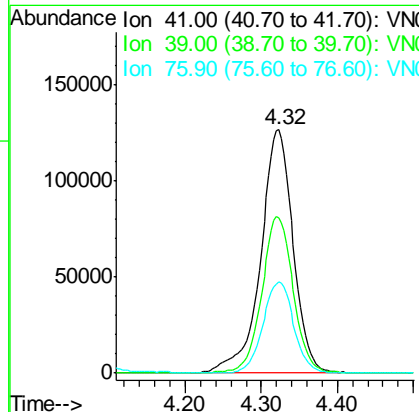
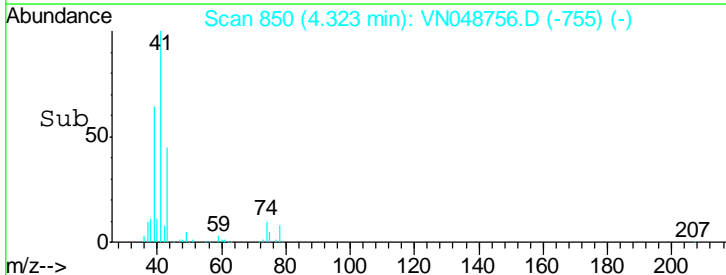
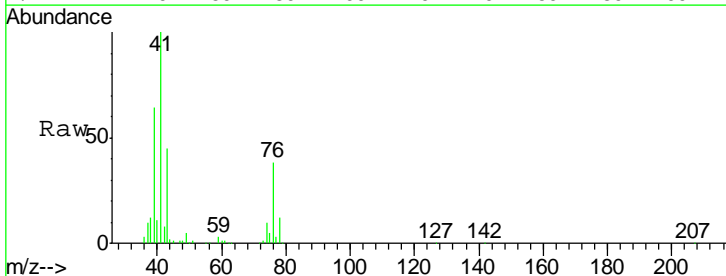
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 ClientSampled : 936-MW-17(20.5)MSD

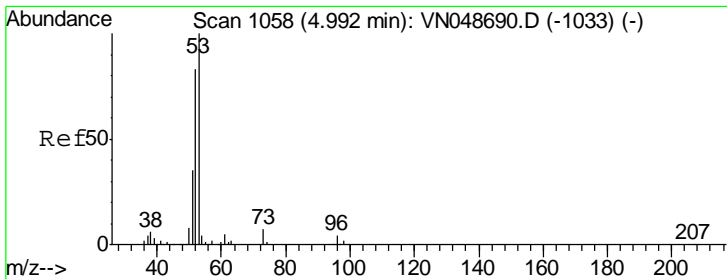
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#14
 Allyl chloride
 Concen: 47.24 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

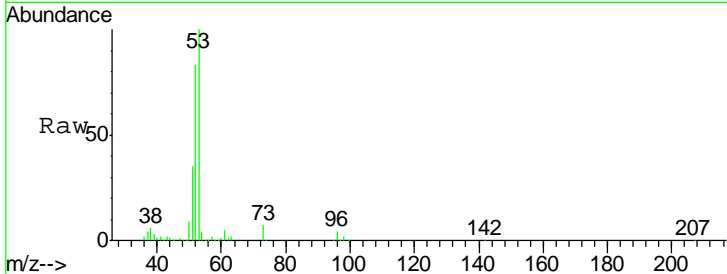
Tgt Ion	Resp	Lower	Upper
41	373838		
39	62.3	51.1	76.7
76	35.2	28.2	42.2





#15
 Acrylonitrile
 Concen: 255.69 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

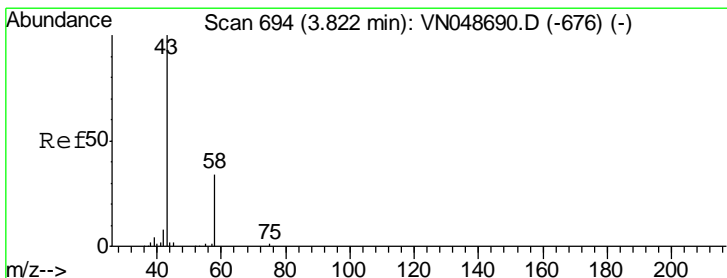
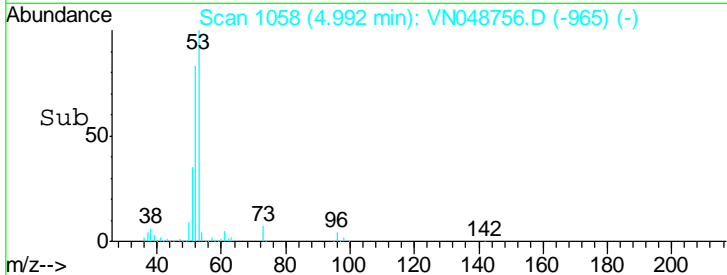
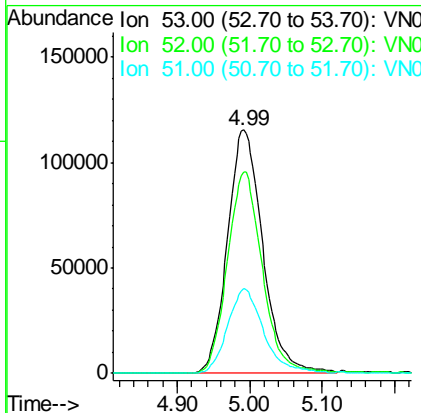
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD



Tgt Ion: 53 Resp: 391429

Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.5	98.3
51	35.6	28.8	43.2

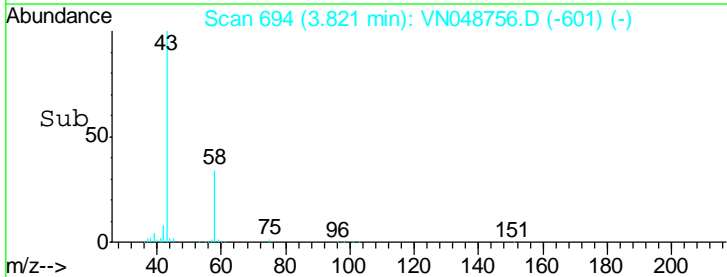
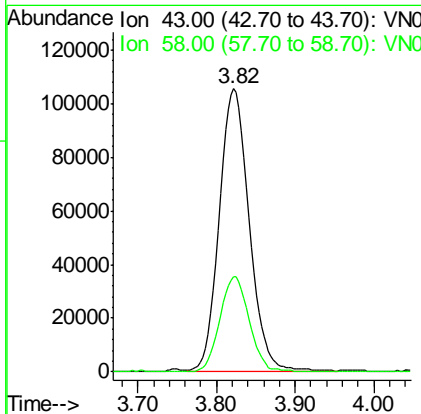
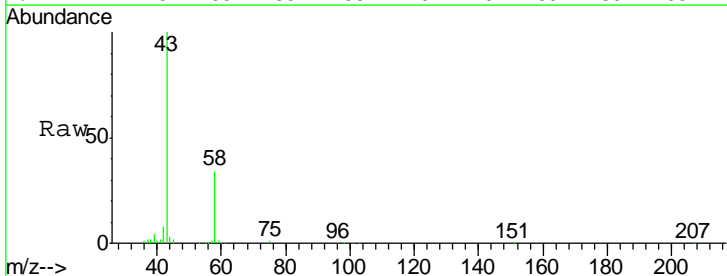
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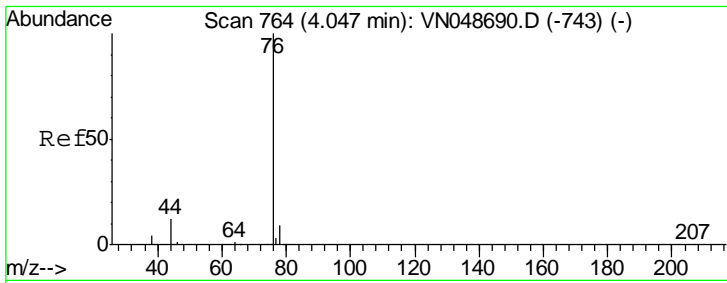


#16
 Acetone
 Concen: 235.68 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion: 43 Resp: 274125

Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.4	38.0



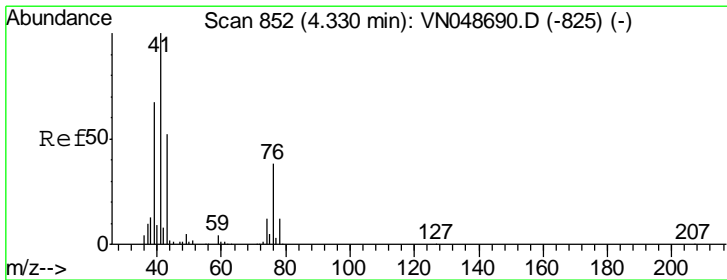
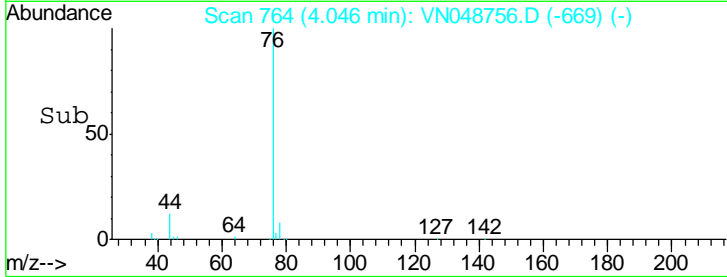
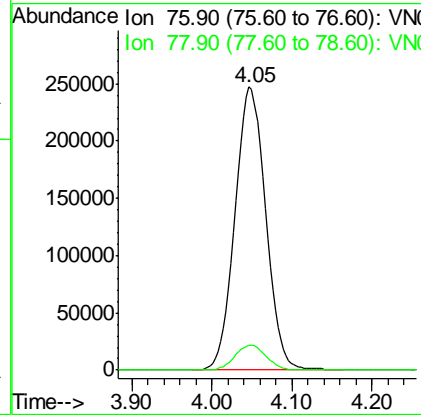
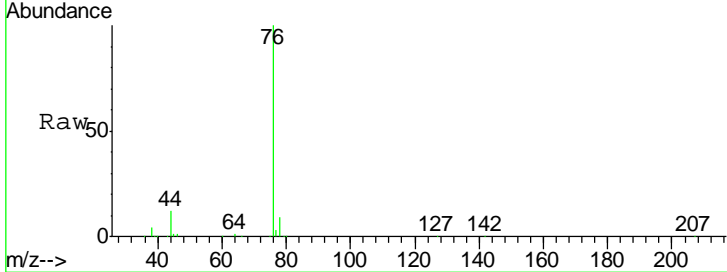


#17
 Carbon Disulfide
 Concen: 46.47 ug/l
 RT: 4.05 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
76	642946		
76	100		
78	8.8	7.2	10.8

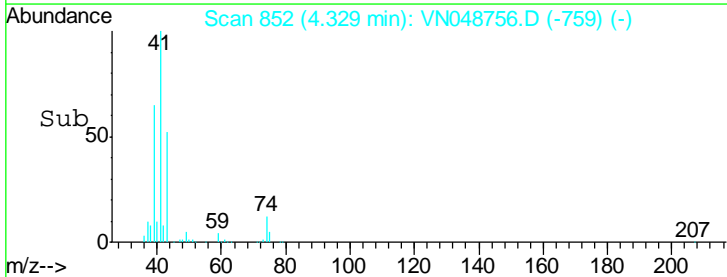
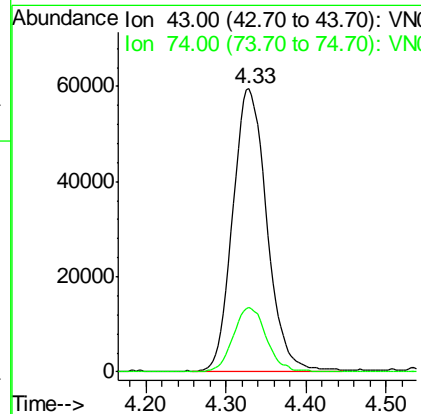
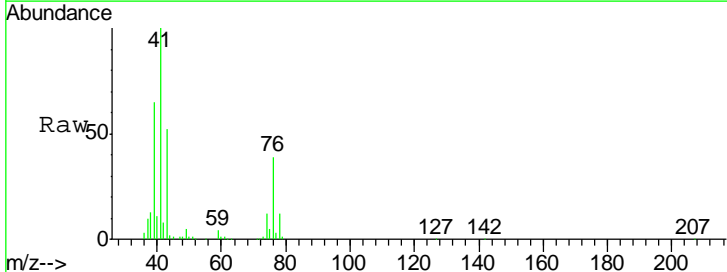
Instrument : MSVOA_N
 ClientSampleId : 936-MW-17(20.5)MSD

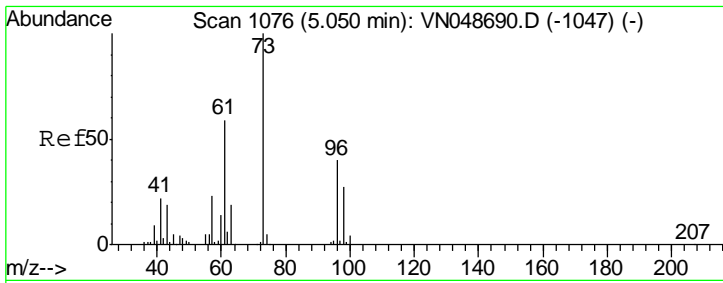
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#18
 Methyl Acetate
 Concen: 49.67 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

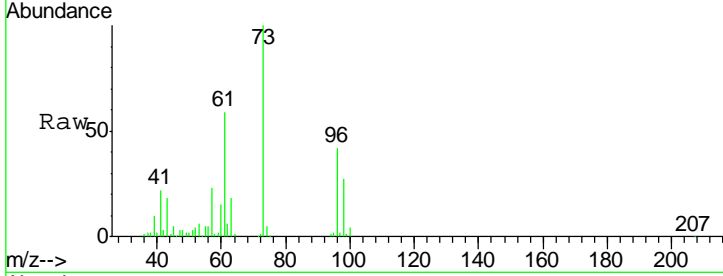
Tgt Ion	Resp	Lower	Upper
43	171100		
43	100		
74	22.2	18.4	27.6





#19
 Methyl tert-butyl Ether
 Concen: 50.10 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

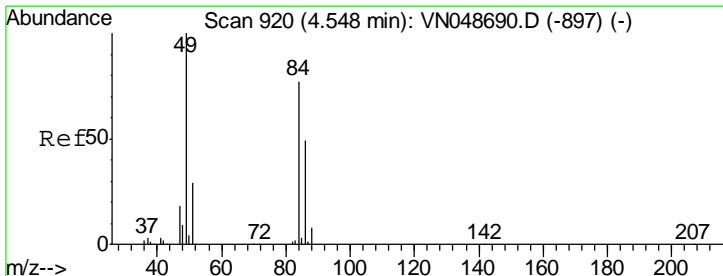
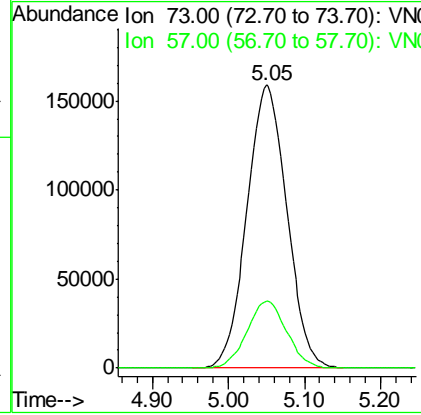
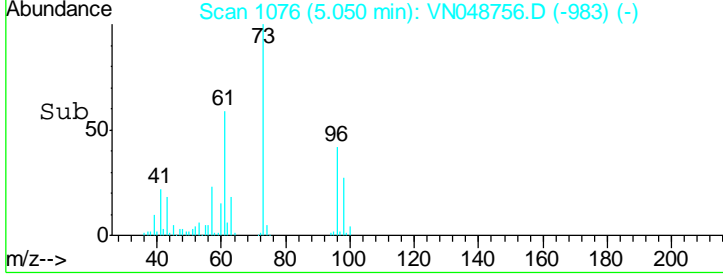
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MSD



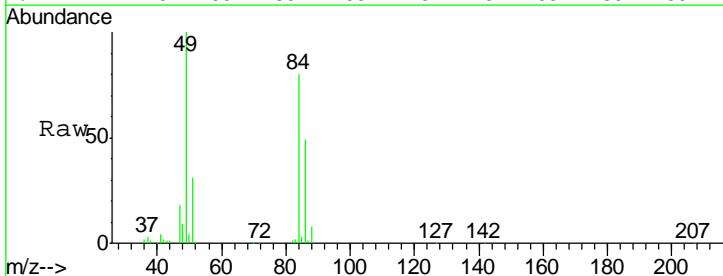
Tgt Ion: 73 Resp: 579821

Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.0	27.0

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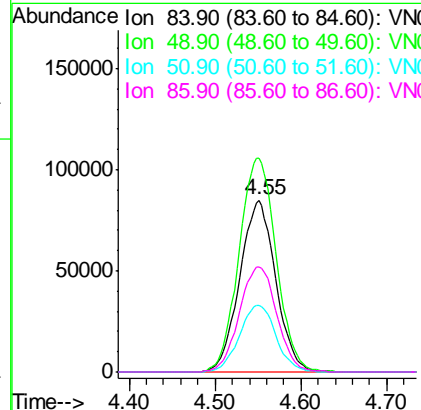
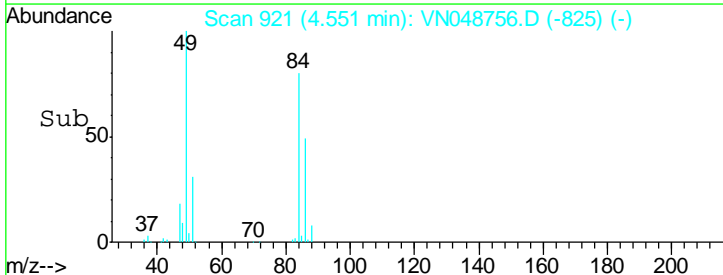


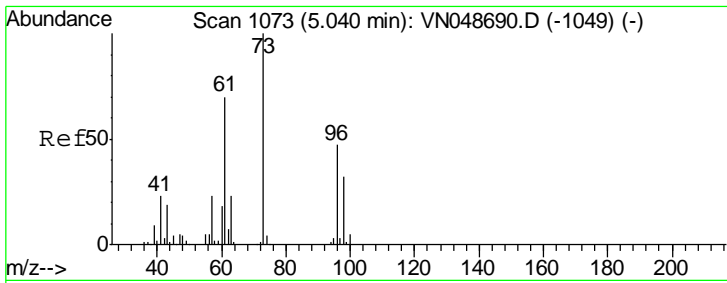
#20
 Methylene Chloride
 Concen: 48.79 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion: 84 Resp: 247148

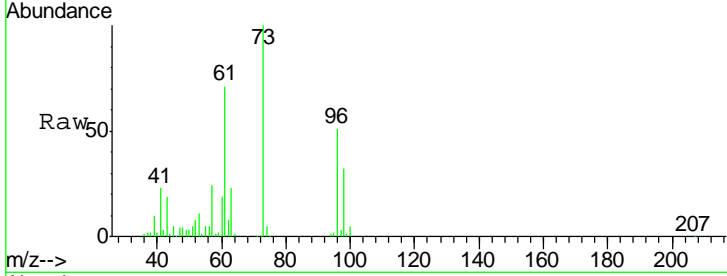
Ion	Ratio	Lower	Upper
84	100		
49	124.3	97.7	146.5
51	39.0	30.4	45.6
86	61.3	51.8	77.8





#21
 trans-1,2-Dichloroethene
 Concen: 50.71 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

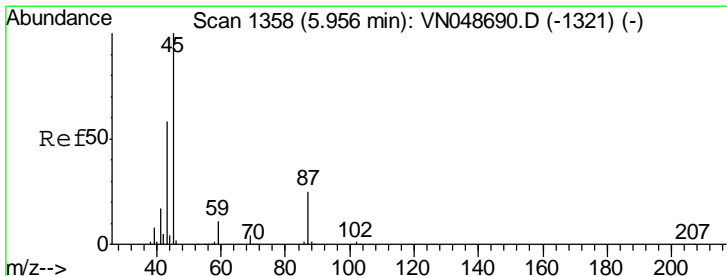
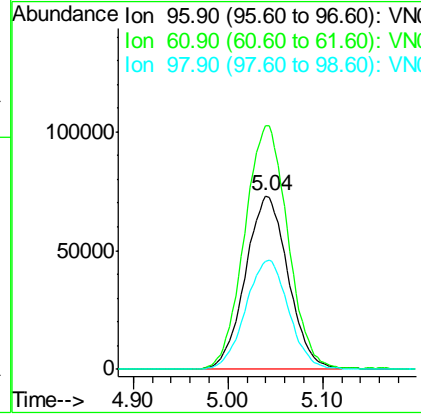
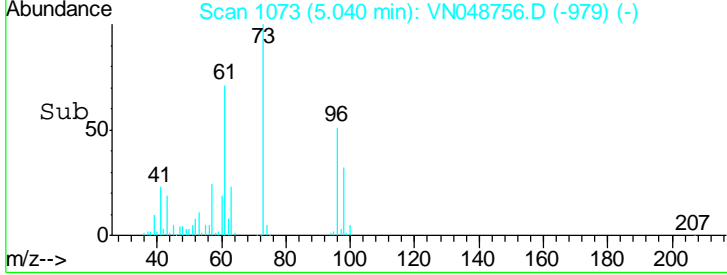
Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MSD



Tgt Ion: 96 Resp: 228931

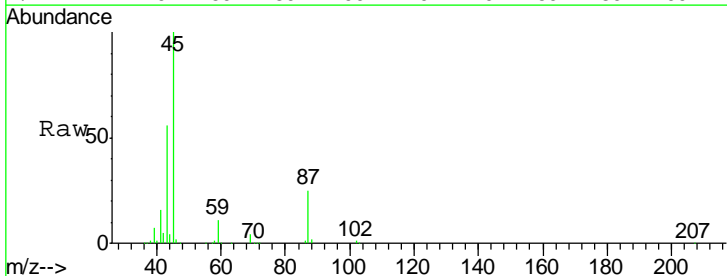
Ion	Ratio	Lower	Upper
96	100		
61	140.0	112.2	168.2
98	62.3	50.5	75.7

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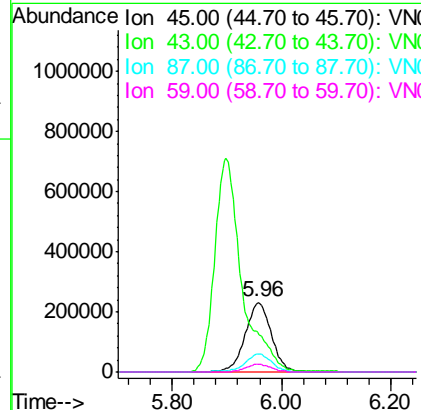
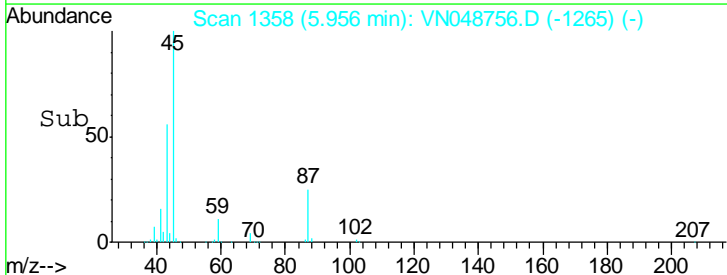
#22
 Diisopropyl ether
 Concen: 51.37 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

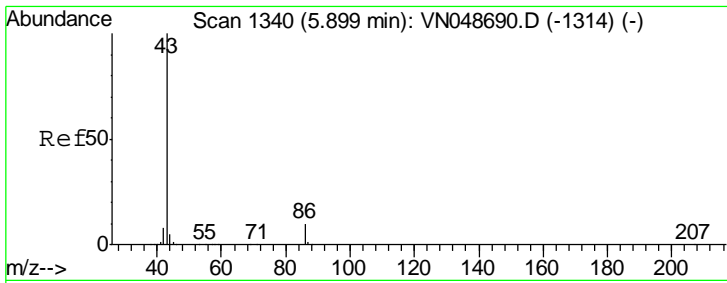
Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MSD



Tgt Ion: 45 Resp: 775521

Ion	Ratio	Lower	Upper
45	100		
43	55.5	43.8	65.8
87	25.3	21.8	32.6
59	11.1	9.2	13.8





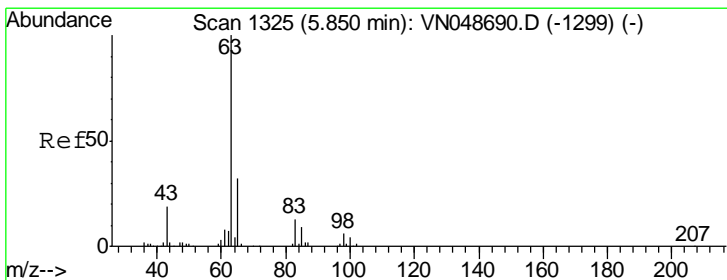
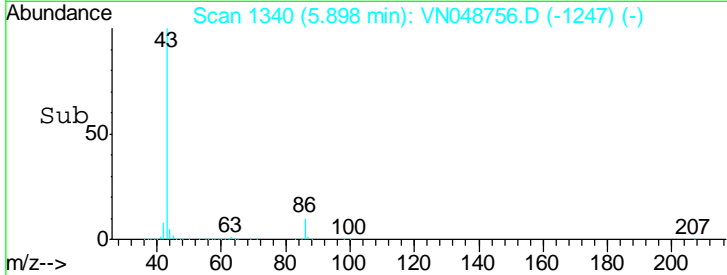
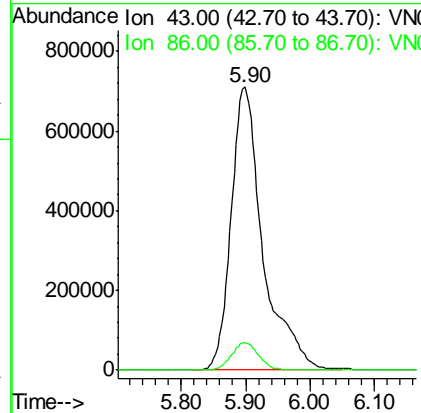
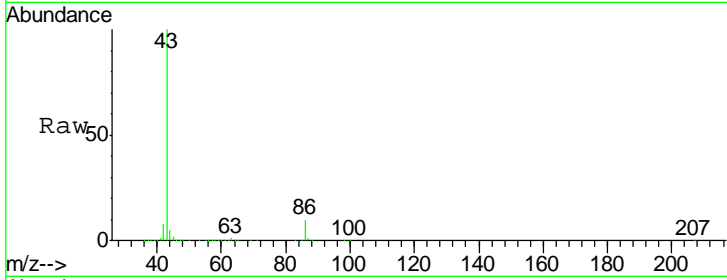
#23
 Vinyl Acetate
 Concen: 237.47 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

Tgt Ion: 43 Resp: 2436974

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.2	12.2

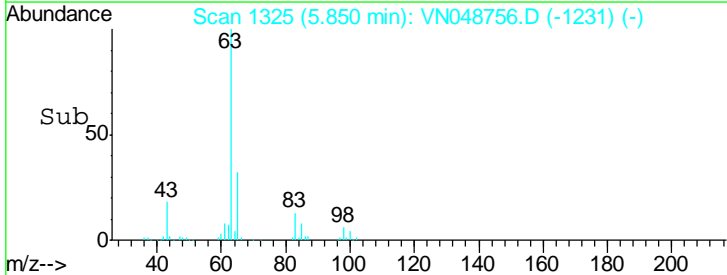
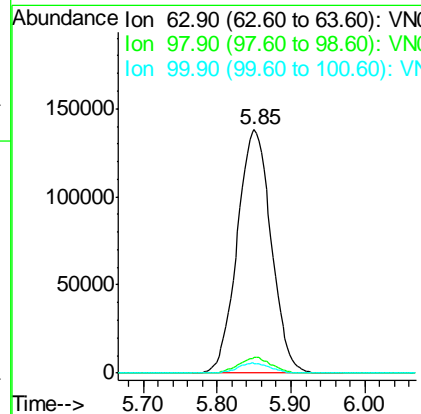
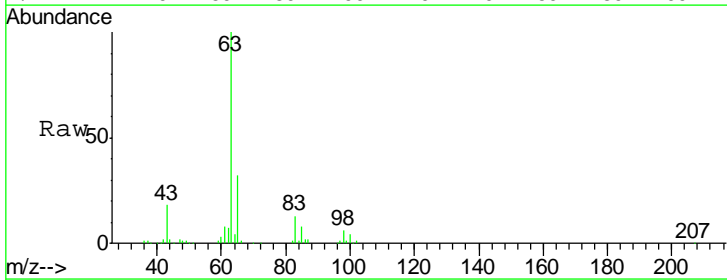
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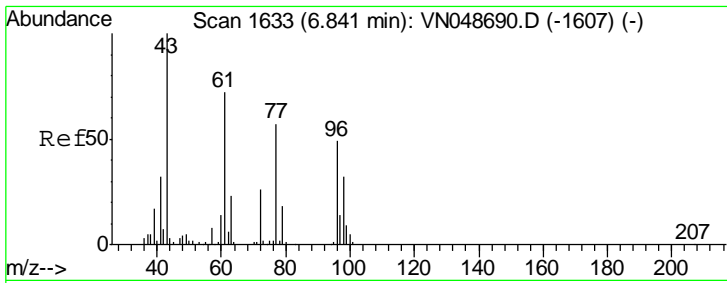


#24
 1,1-Dichloroethane
 Concen: 49.60 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion: 63 Resp: 441376

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.2	9.6
100	4.1	2.1	6.3



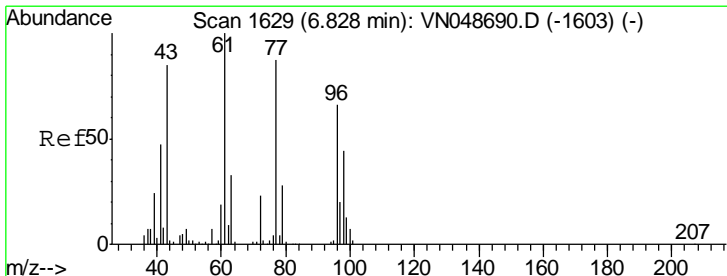
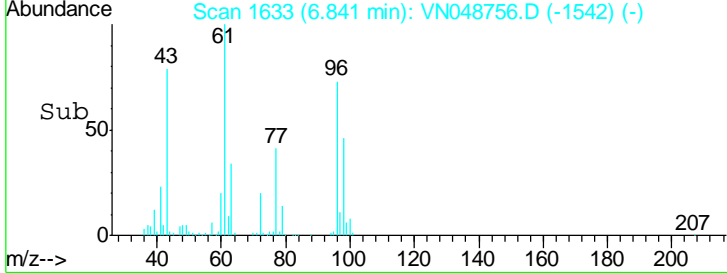
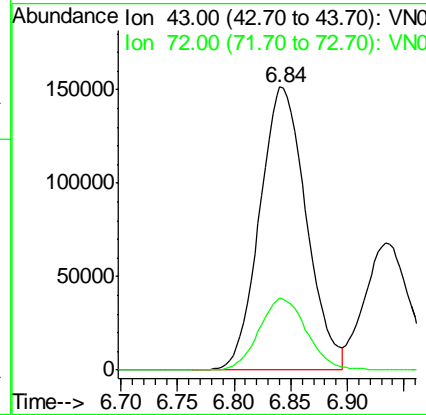
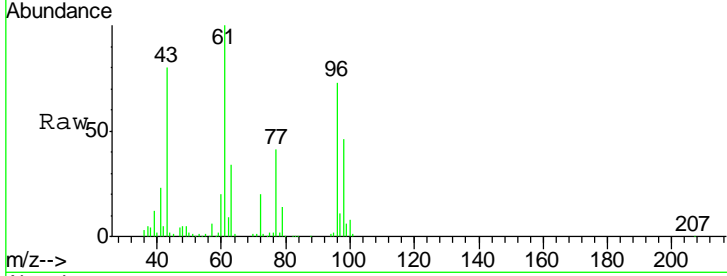


#25
 2-Butanone
 Concen: 239.65 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.6	20.8	31.2

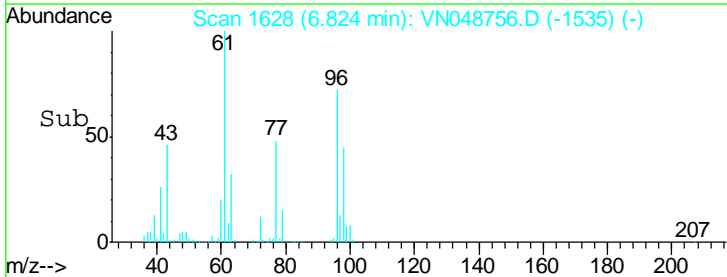
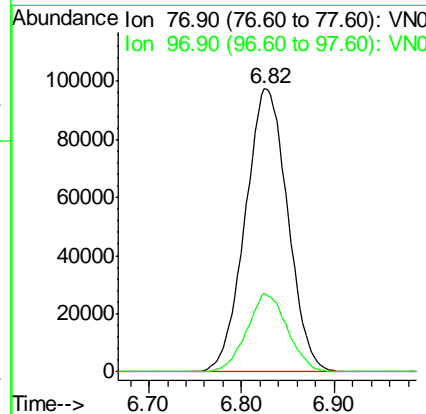
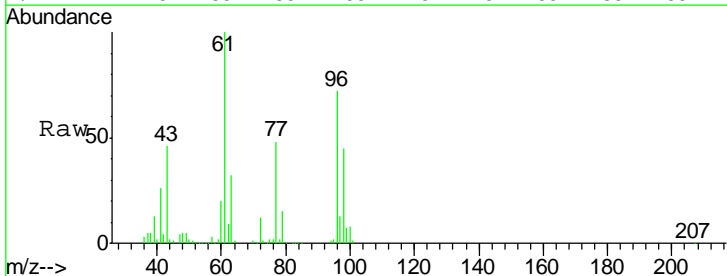
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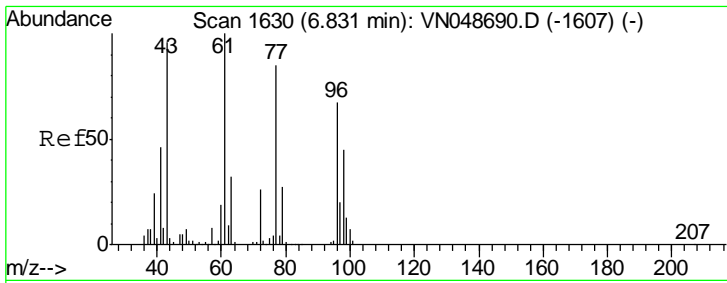


#26
 2,2-Dichloropropane
 Concen: 41.85 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

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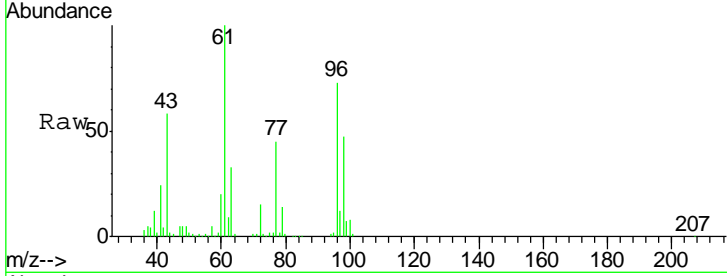
Tgt Ion	Ratio	Lower	Upper
77	100		
97	26.3	11.9	35.5





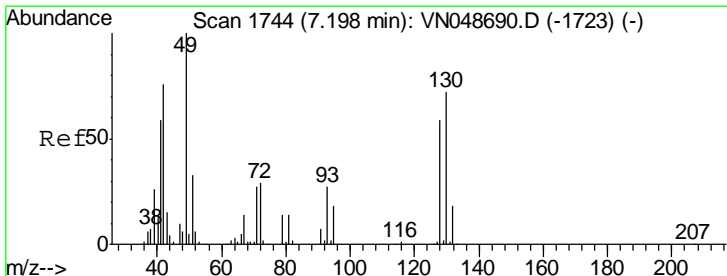
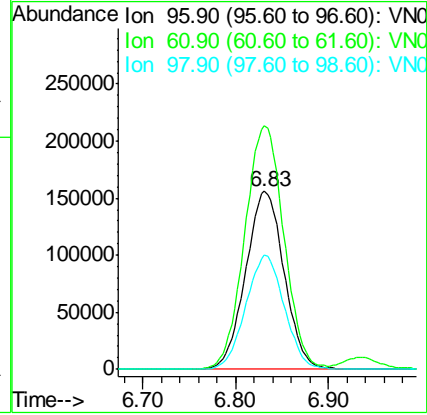
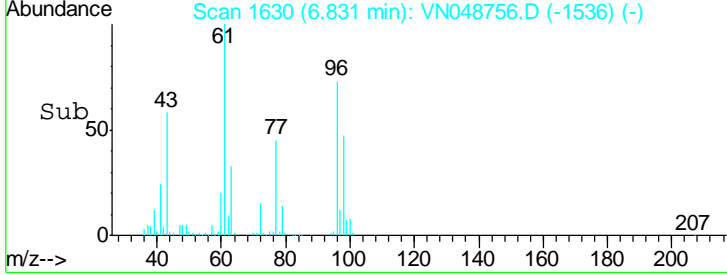
#27
 cis-1,2-Dichloroethene
 Concen: 88.21 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MSD

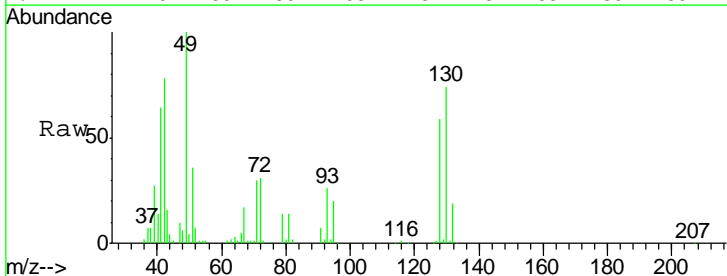


Tgt Ion	Resp	Lower	Upper
96	449214		
61	139.3	0.0	292.6
98	64.4	0.0	128.2

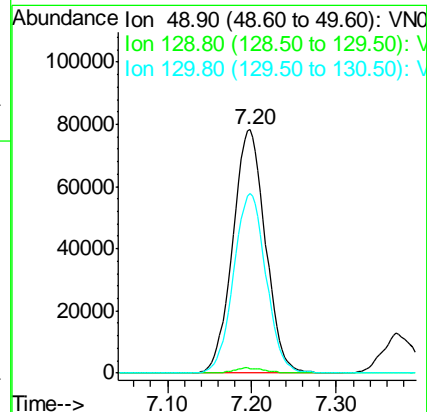
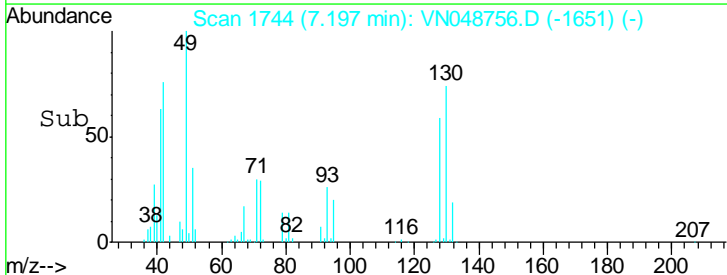
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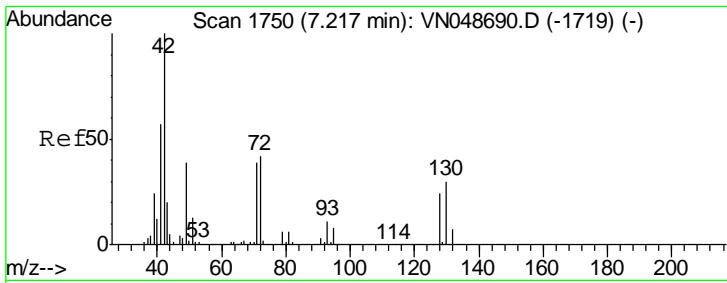


#28
 Bromochloromethane
 Concen: 52.20 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion	Resp	Lower	Upper
49	210785		
129	2.0	0.0	3.8
130	73.2	64.2	96.2



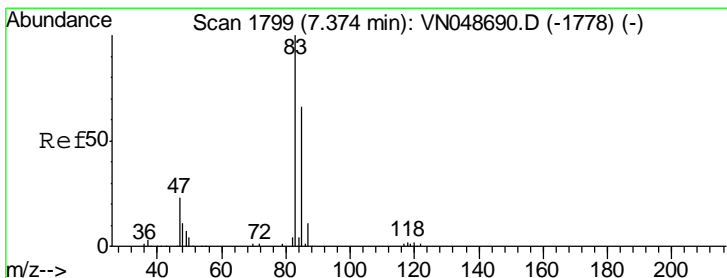
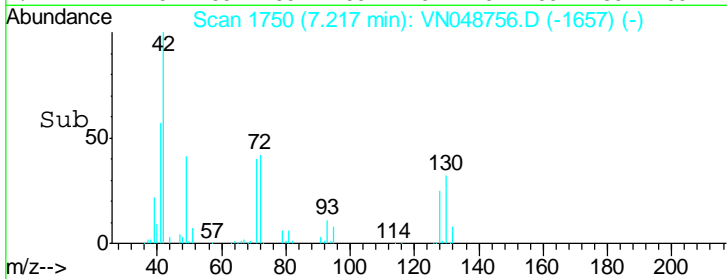
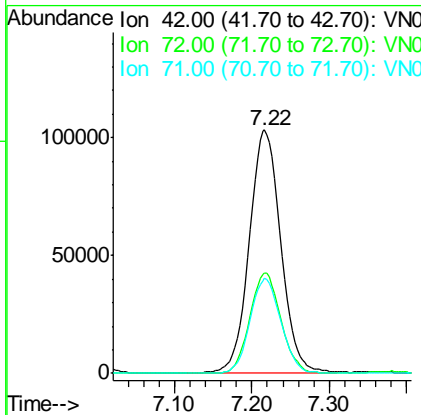
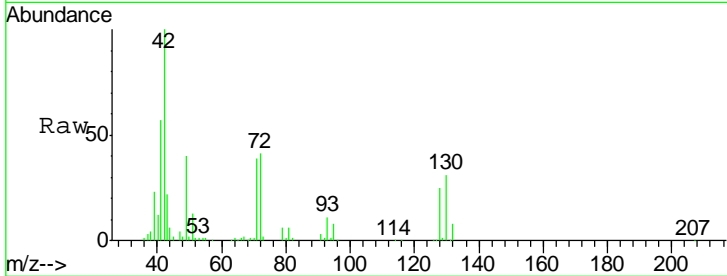


#29
 Tetrahydrofuran
 Concen: 245.18 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
42	100		
72	40.4	34.2	51.4
71	38.1	31.8	47.8

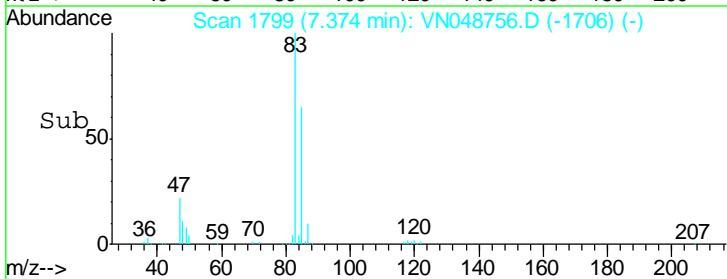
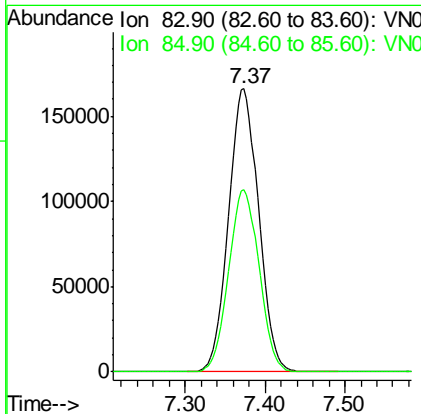
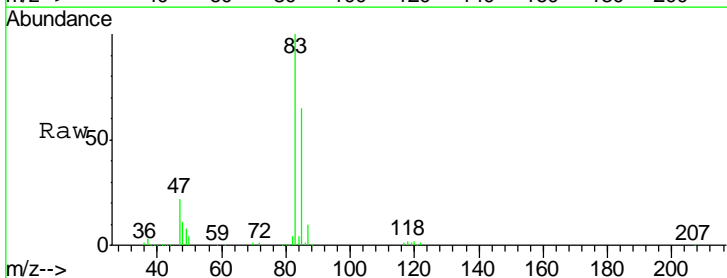
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MSD

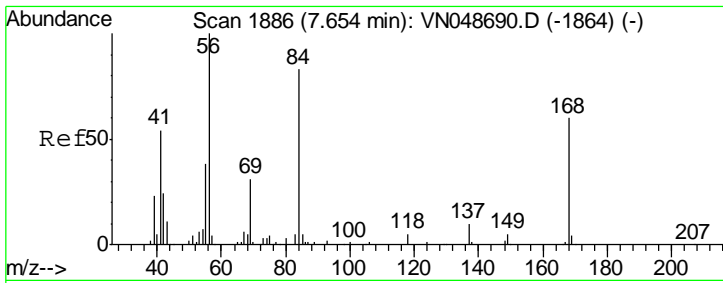
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#30
 Chloroform
 Concen: 49.72 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

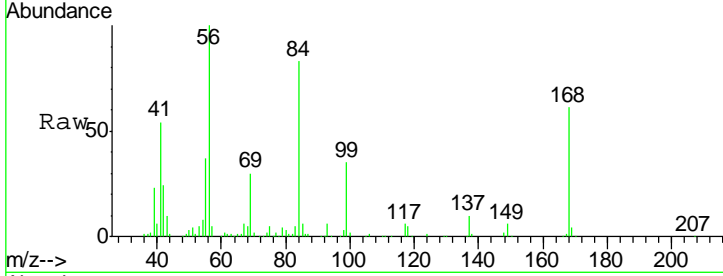
Tgt Ion	Resp	Lower	Upper
83	100		
85	64.5	51.1	76.7





#31
 Cyclohexane
 Concen: 49.00 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

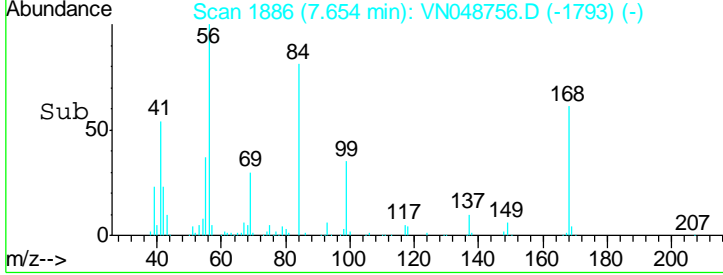
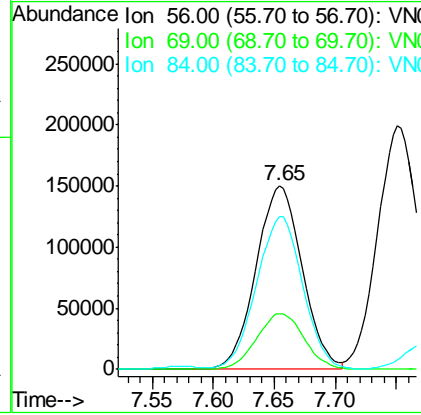
Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MSD



Tgt Ion: 56 Resp: 395399

Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.6	38.4
84	82.0	67.5	101.3

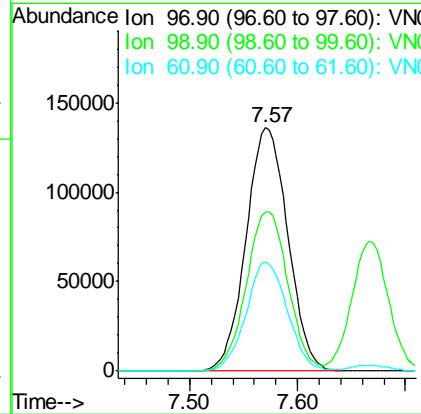
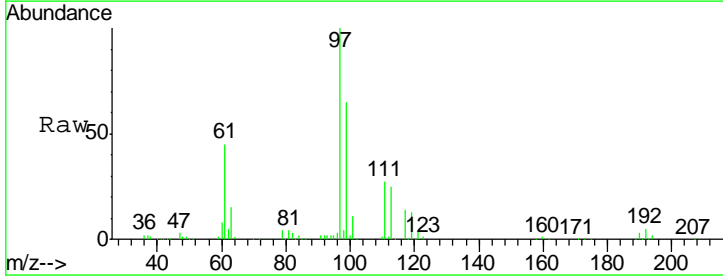
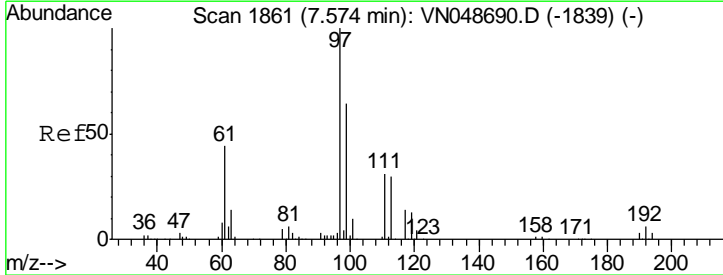
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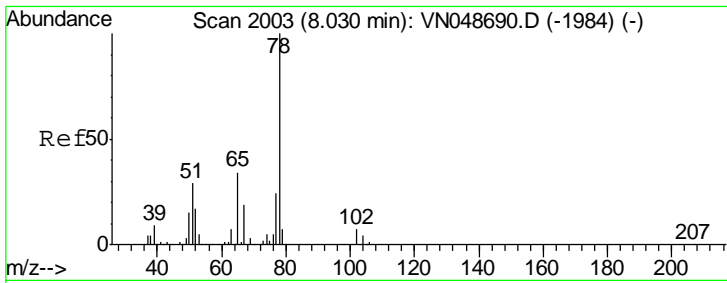


#32
 1,1,1-Trichloroethane
 Concen: 49.15 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion: 97 Resp: 366356

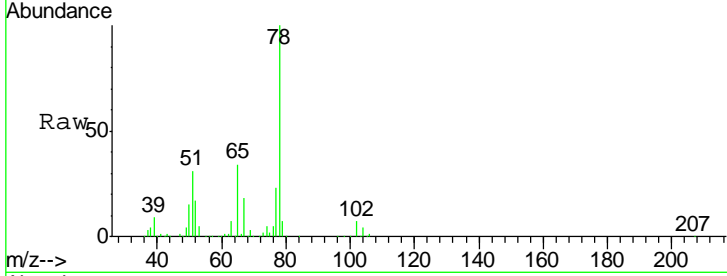
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.2
61	44.3	34.2	51.2





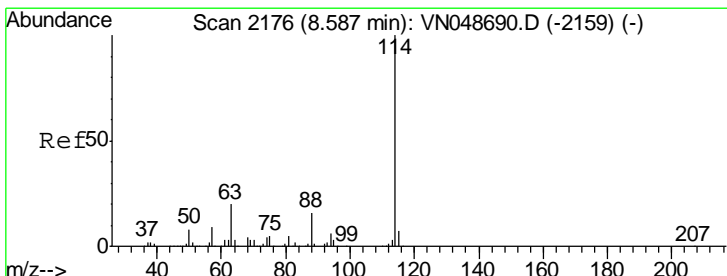
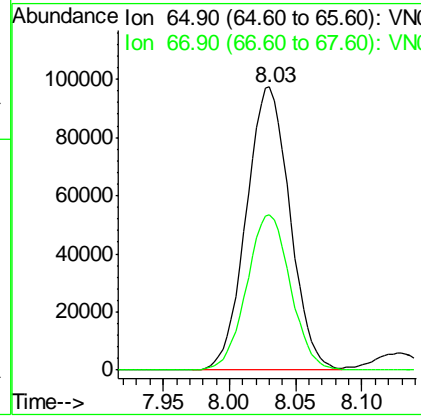
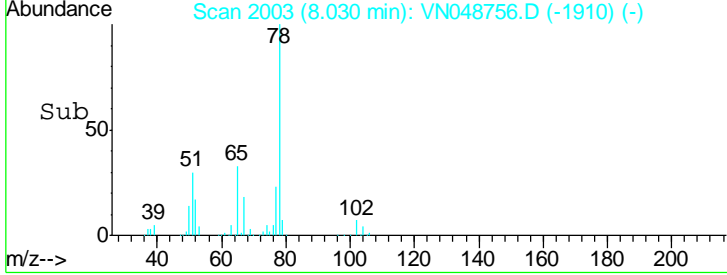
#33
 1,2-Dichloroethane-d4
 Concen: 47.32 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 ClientSampleId : 936-MW-17(20.5)MSD

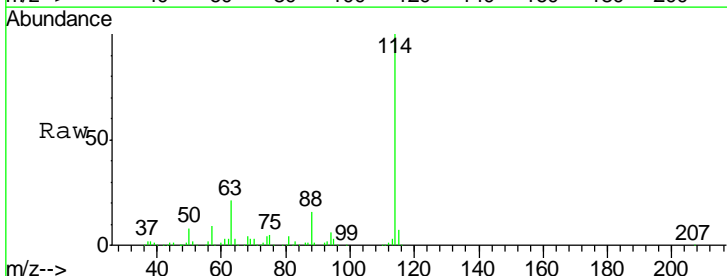


Tgt Ion	Resp	Lower	Upper
65	100		
67	55.0	0.0	108.4

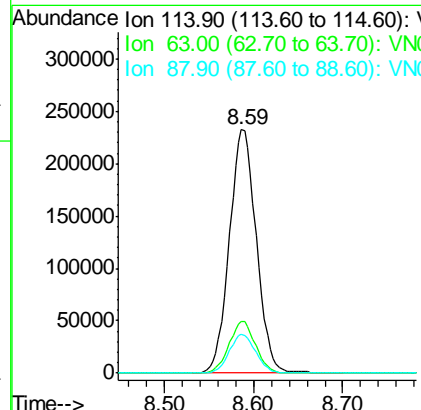
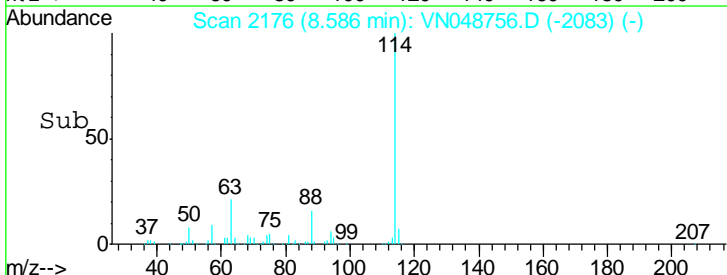
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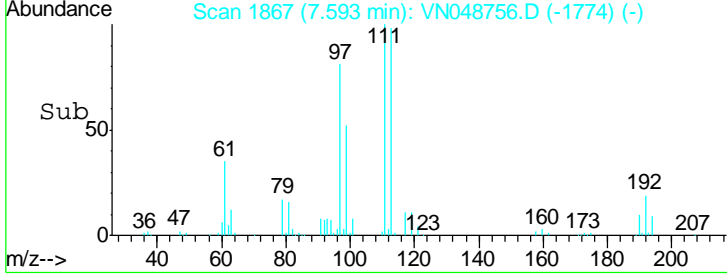
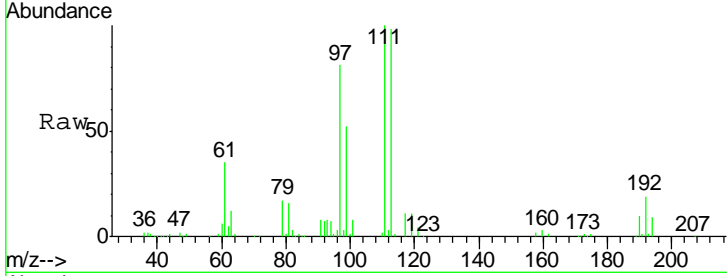
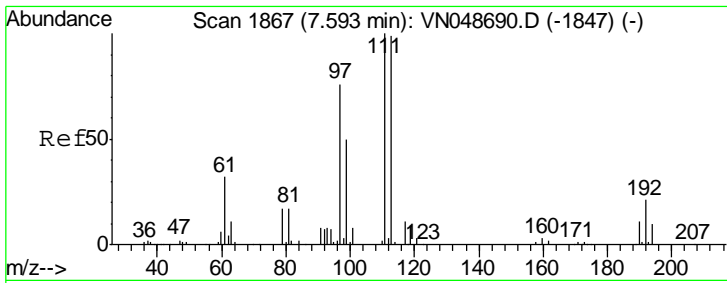


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion	Resp	Lower	Upper
114	100		
63	21.2	0.0	40.0
88	15.8	0.0	31.0



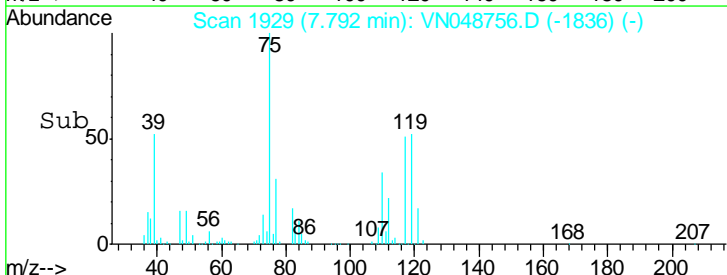
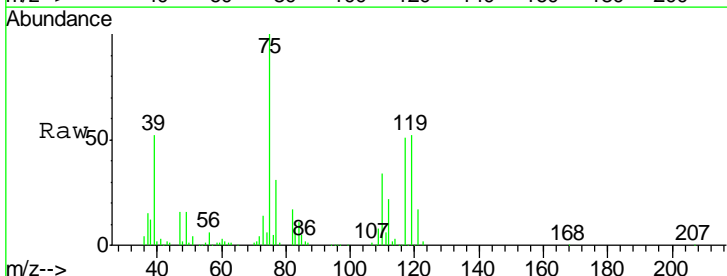
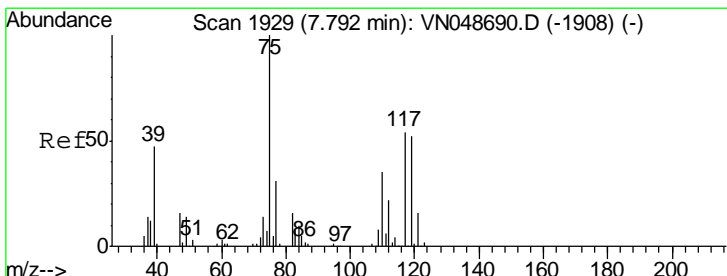
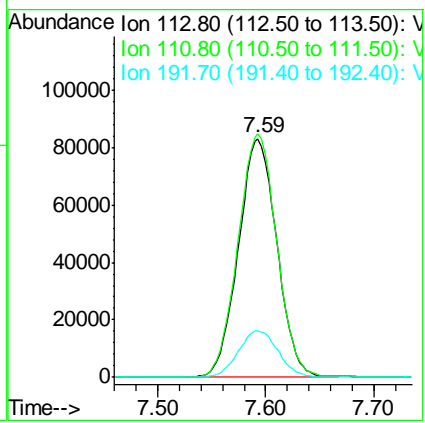


#35
 Dibromofluoromethane
 Concen: 50.02 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
113	206103		
113	100		
111	102.8	81.7	122.5
192	20.2	17.6	26.4

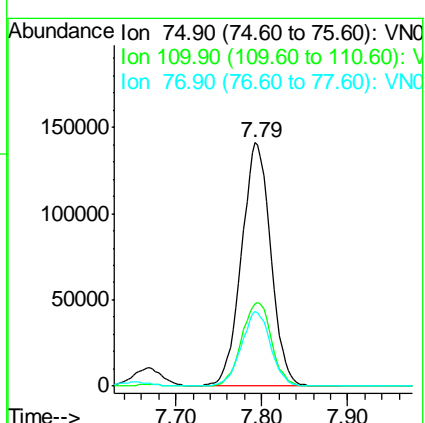
Instrument : MSVOA_N
 ClientSampleId : 936-MW-17(20.5)MSD

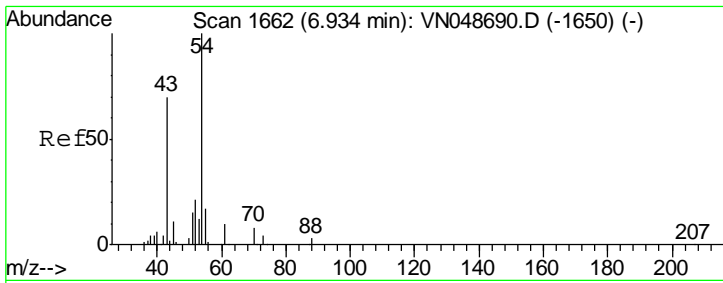
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#36
 1,1-Dichloropropene
 Concen: 49.47 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

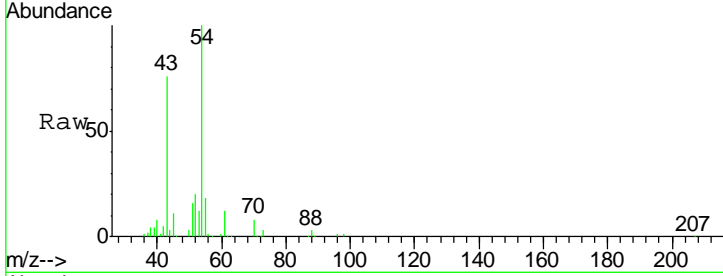
Tgt Ion	Resp	Lower	Upper
75	332597		
75	100		
110	35.1	18.4	55.0
77	31.0	25.0	37.4





#37
 Ethyl Acetate
 Concen: 47.85 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

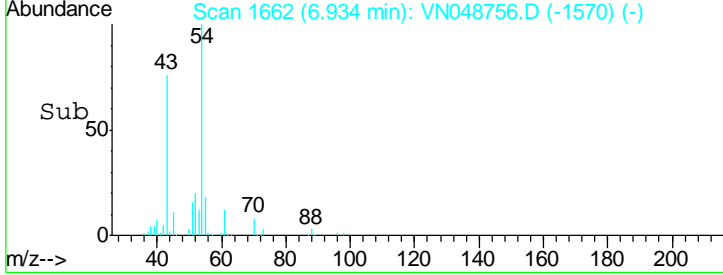
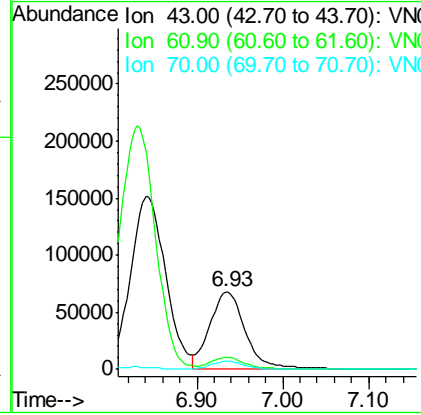
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD



Tgt Ion: 43 Resp: 192674

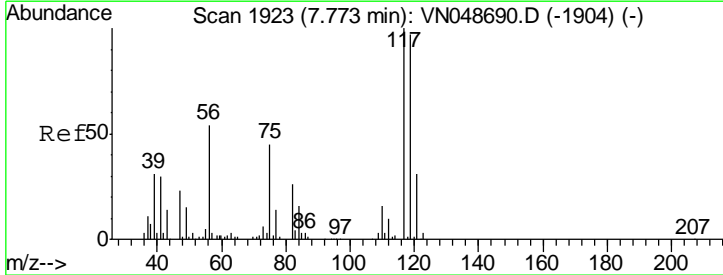
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.2
70	10.1	8.6	12.8

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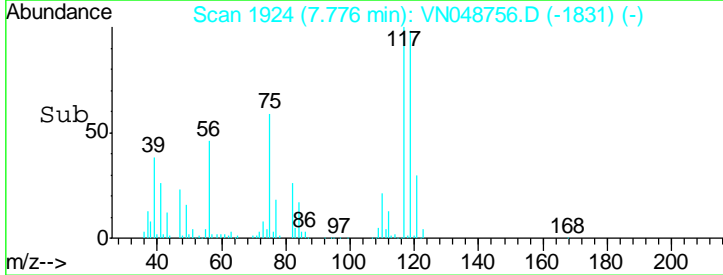
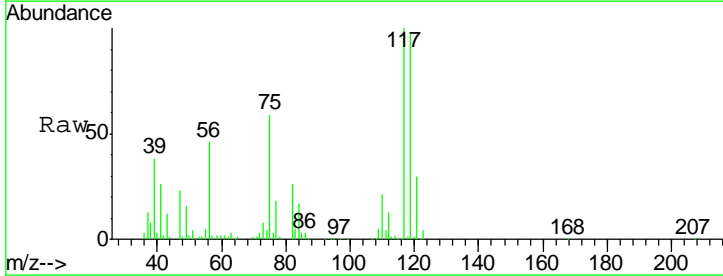
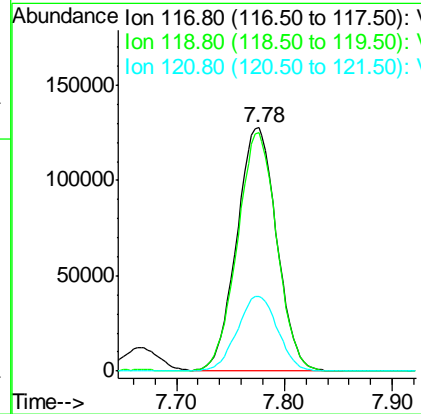
#38
 Carbon Tetrachloride
 Concen: 47.91 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

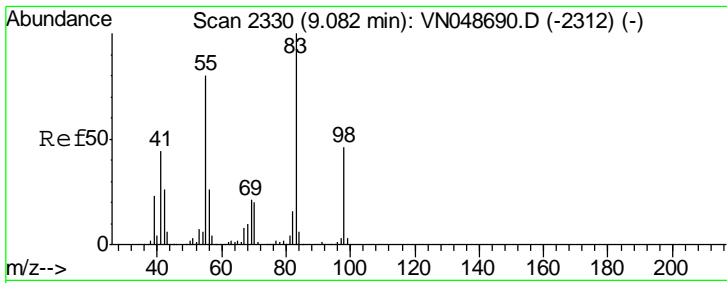
1
2
3
4
5
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11
12
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14
15
16



Tgt Ion: 117 Resp: 329090

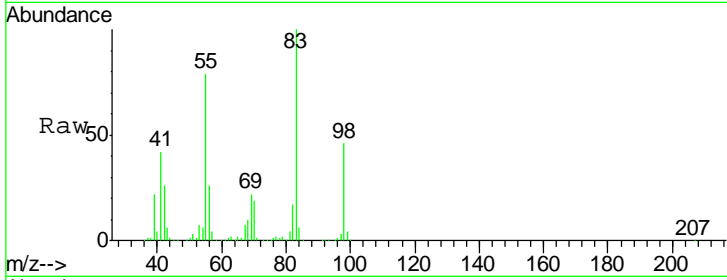
Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.0	117.0
121	30.4	24.5	36.7





#39
 Methylcyclohexane
 Concen: 49.00 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

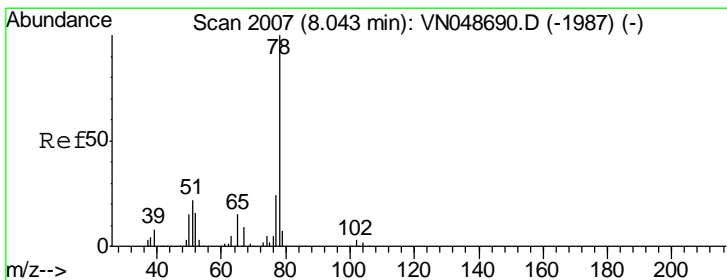
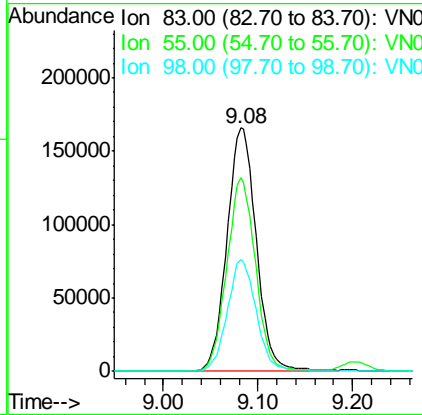
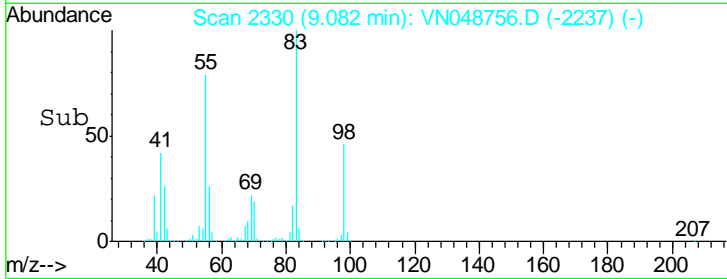
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD



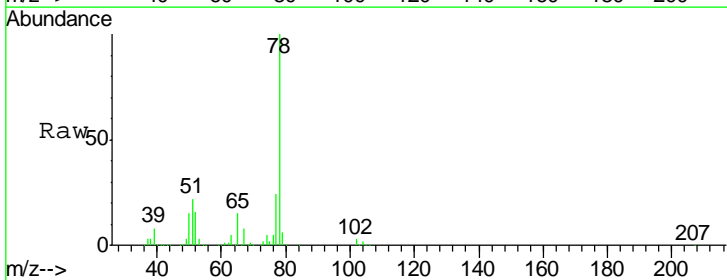
Tgt Ion: 83 Resp: 358126

Ion	Ratio	Lower	Upper
83	100		
55	79.3	61.7	92.5
98	45.9	36.8	55.2

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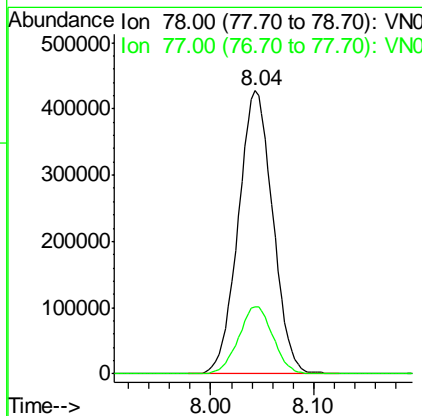
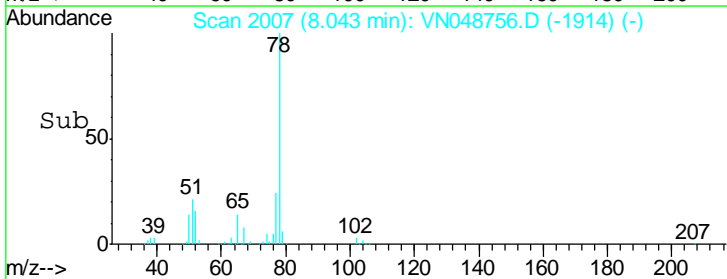


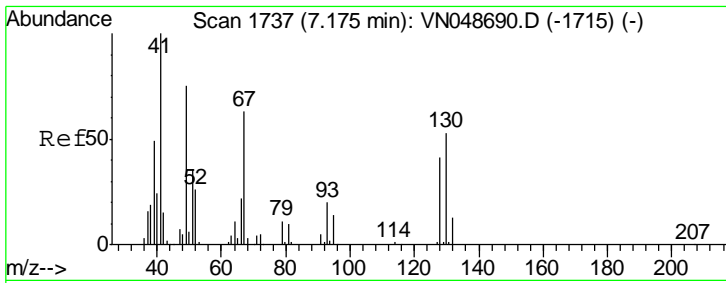
#40
 Benzene
 Concen: 50.58 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion: 78 Resp: 992090

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1



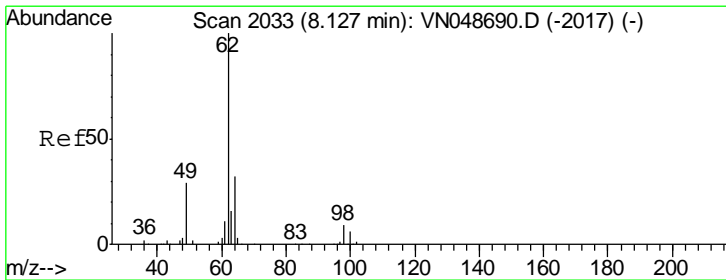
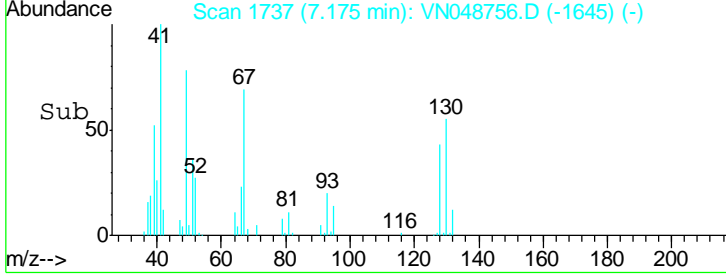
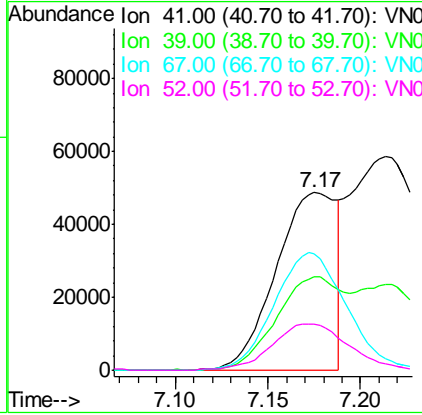
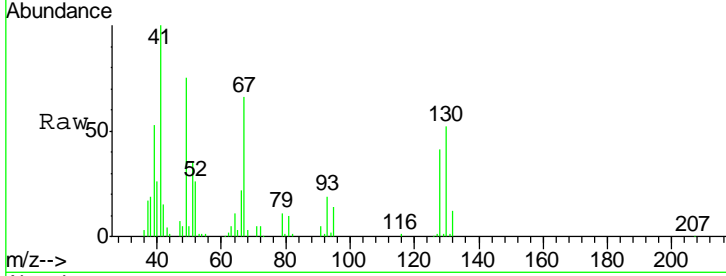


#41
 Methacrylonitrile
 Concen: 49.75 ug/l
 RT: 7.17 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
41	100		
39	58.8	47.4	71.2
67	79.8	62.4	93.6
52	33.2	25.6	38.4

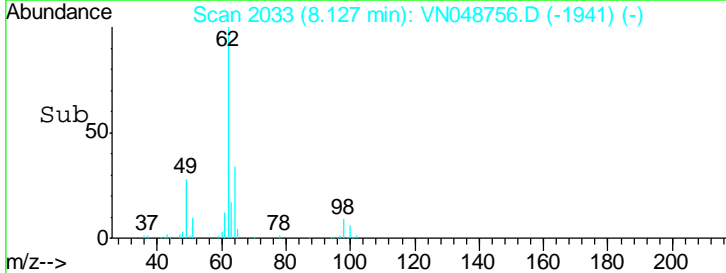
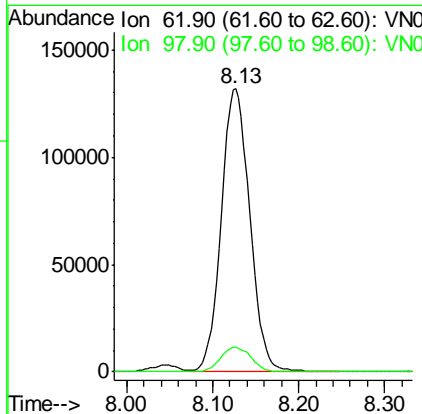
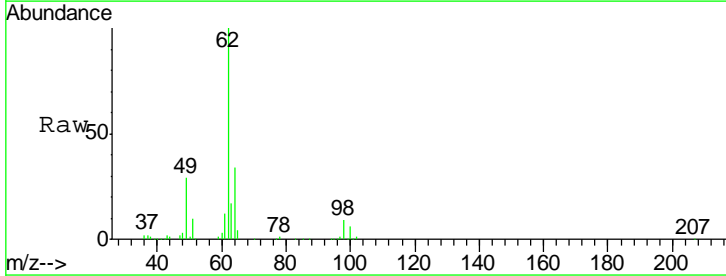
Instrument : MSVOA_N
 ClientSampleId : 936-MW-17(20.5)MSD

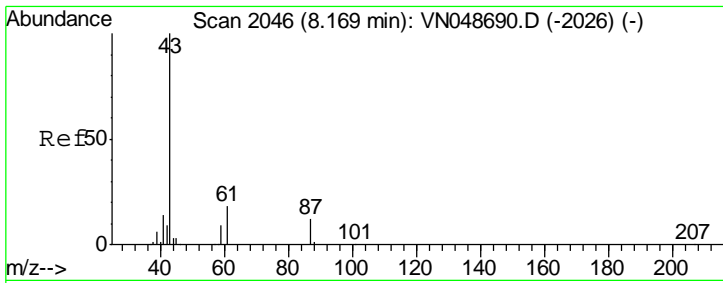
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#42
 1,2-Dichloroethane
 Concen: 49.51 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

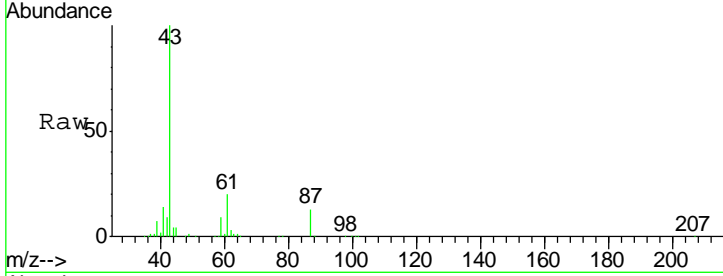
Tgt Ion	Resp	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43
 Isopropyl Acetate
 Concen: 50.49 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

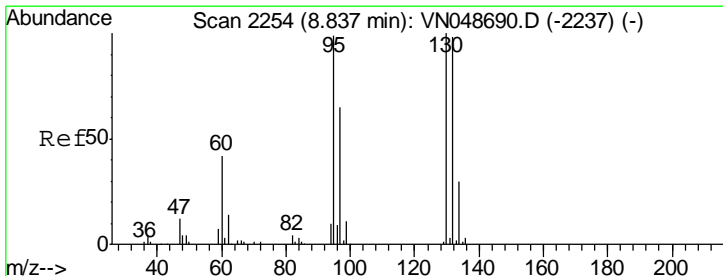
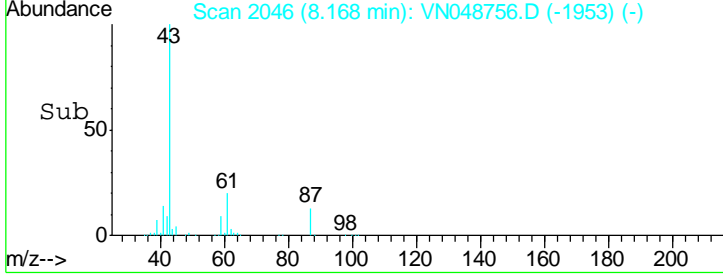
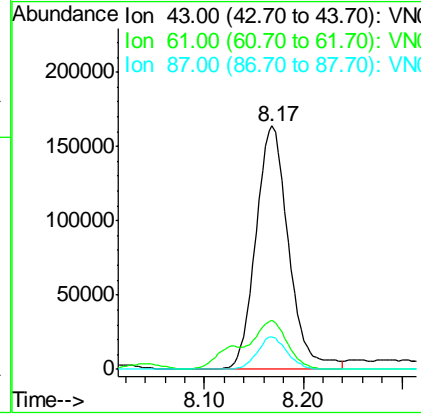
Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MSD



Tgt Ion: 43 Resp: 374995

Ion	Ratio	Lower	Upper
43	100		
61	19.4	22.2	33.2#
87	12.2	10.6	15.8

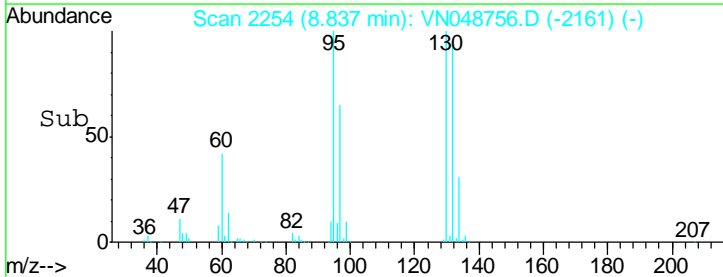
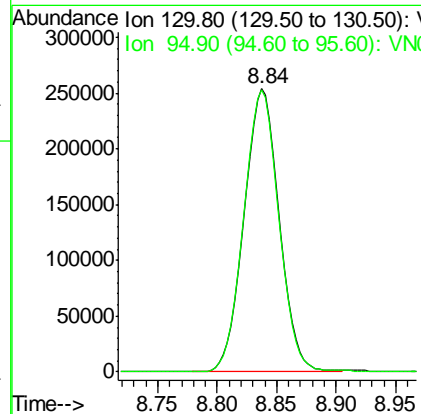
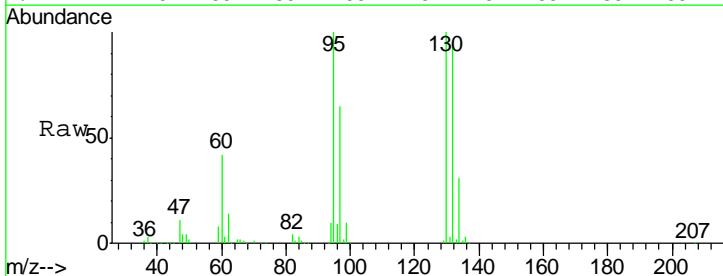
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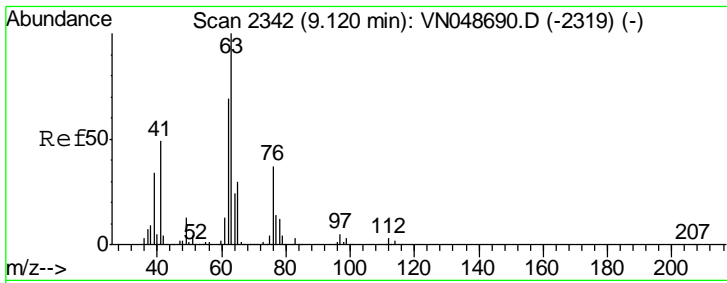


#44
 Trichloroethene
 Concen: 102.72 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion: 130 Resp: 518540

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	191.6



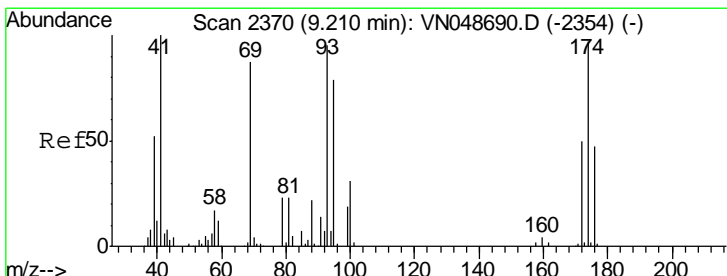
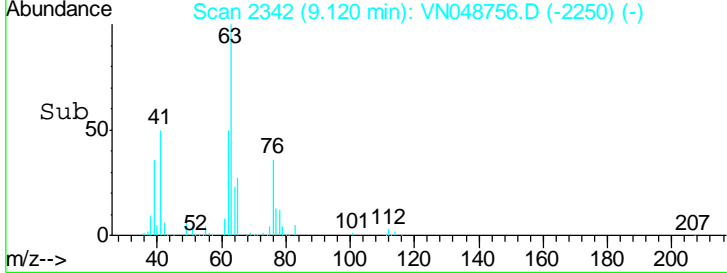
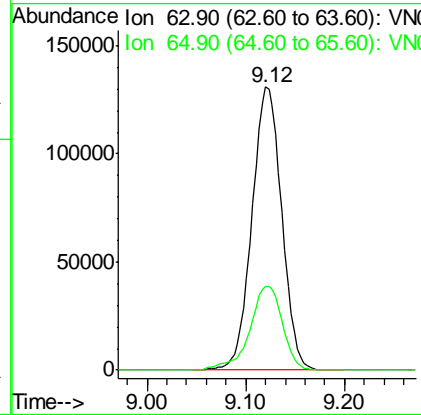
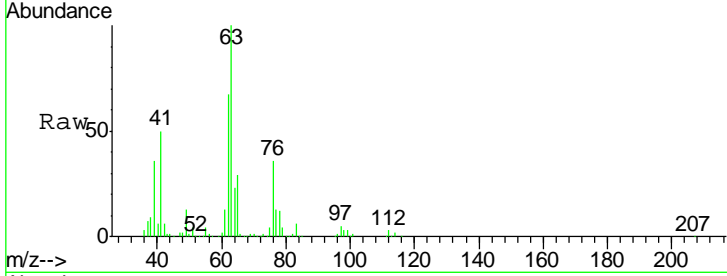


#45
 1,2-Dichloropropane
 Concen: 51.00 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
63	100		
65	29.5	23.9	35.9

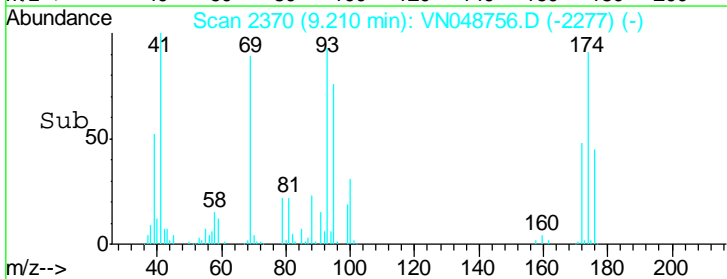
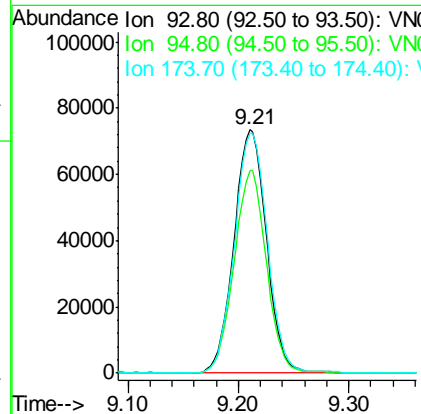
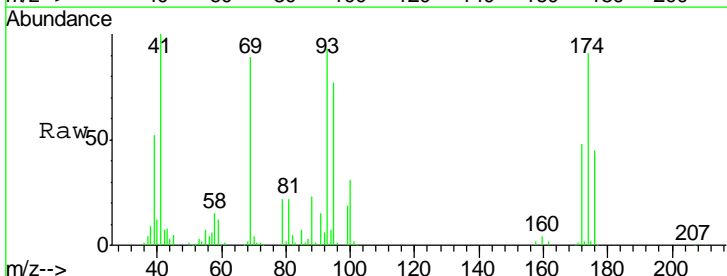
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

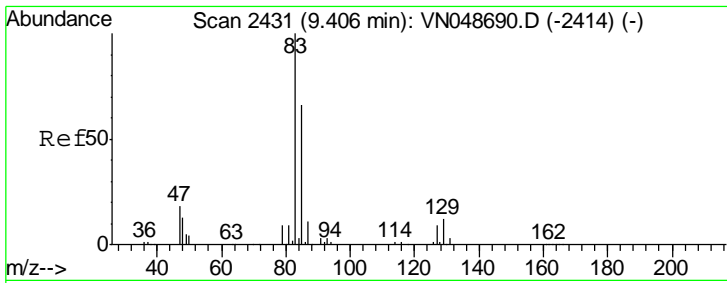
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#46
 Dibromomethane
 Concen: 50.19 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

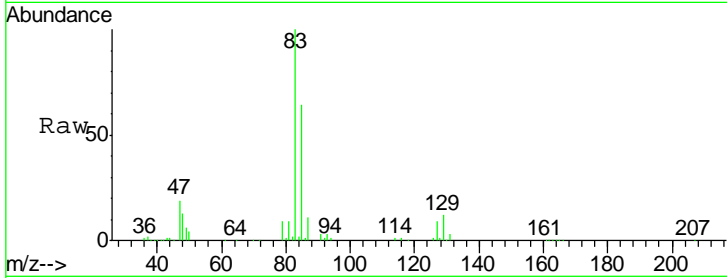
Tgt Ion	Resp	Lower	Upper
93	100		
95	82.7	66.7	100.1
174	100.5	87.7	131.5





#47
 Bromodichloromethane
 Concen: 49.03 ug/l
 RT: 9.41 min Scan# 2431
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

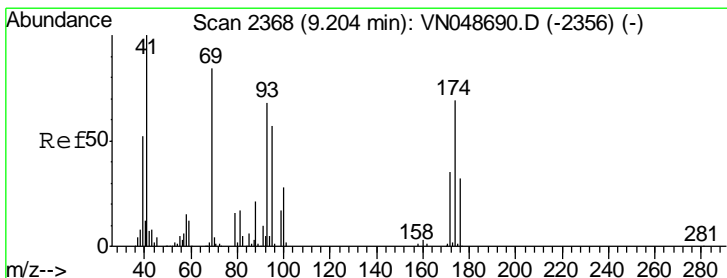
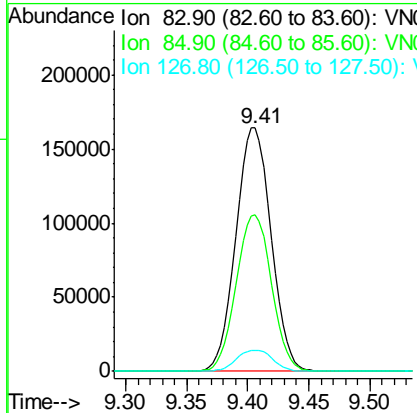
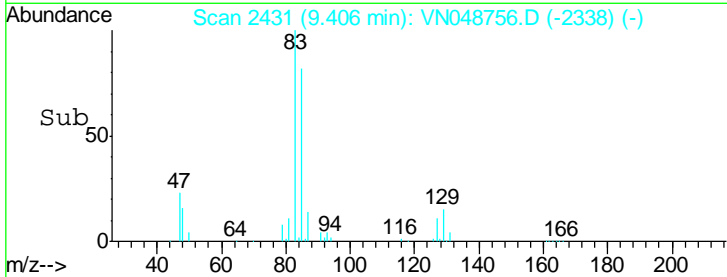
Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MSD



Tgt Ion: 83 Resp: 328417

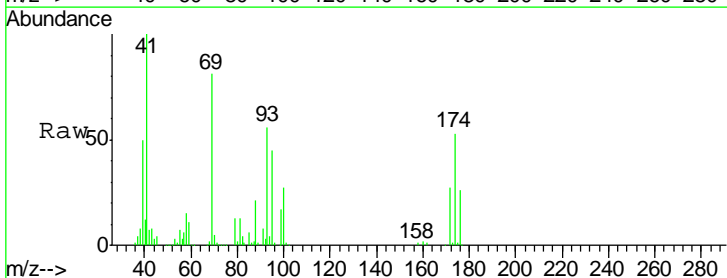
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.1	78.1
127	8.7	7.3	10.9

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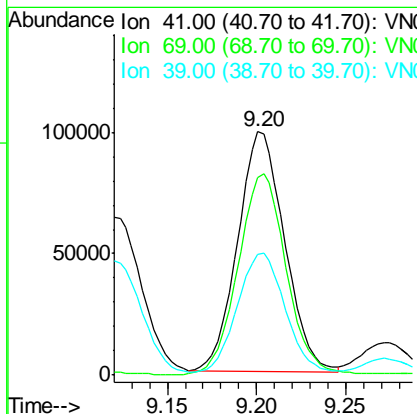
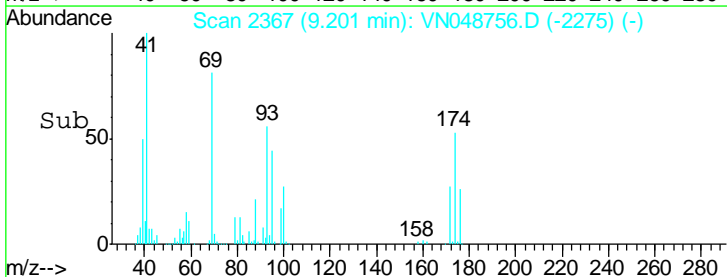
#48
 Methyl methacrylate
 Concen: 50.63 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

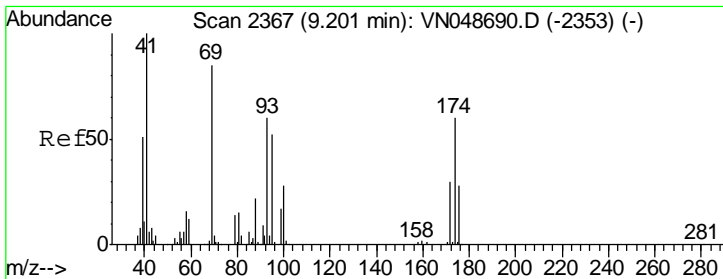
Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MSD



Tgt Ion: 41 Resp: 181662

Ion	Ratio	Lower	Upper
41	100		
69	85.6	68.6	103.0
39	52.5	42.3	63.5





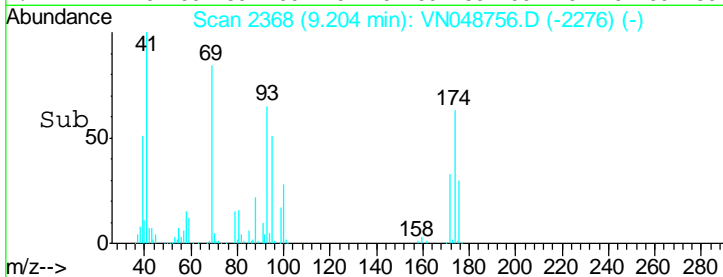
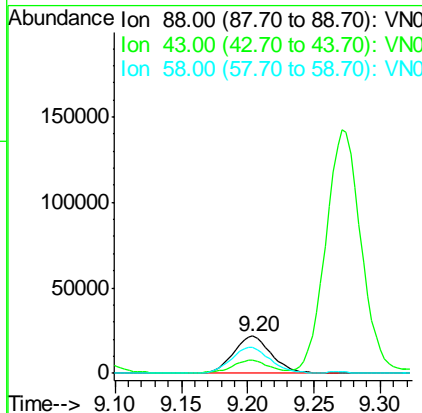
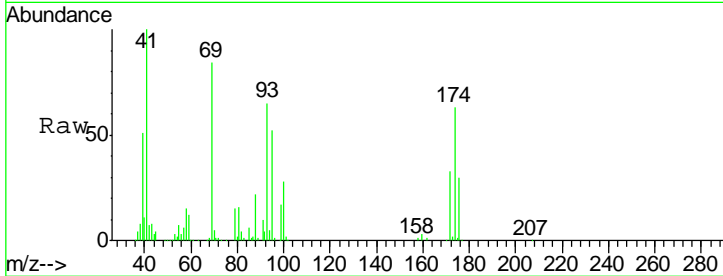
#49
 1,4-Dioxane
 Concen: 981.07 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

Tgt Ion	Resp	Lower	Upper
88	43442		
88	100		
43	32.2	27.6	41.4
58	71.2	57.0	85.6

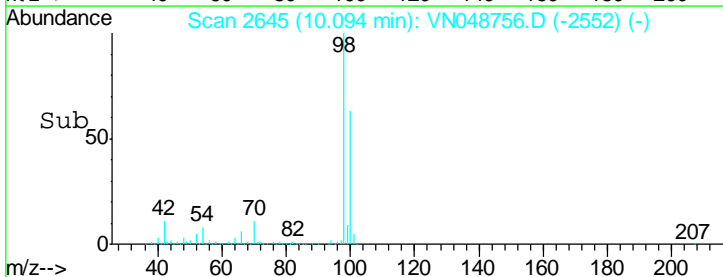
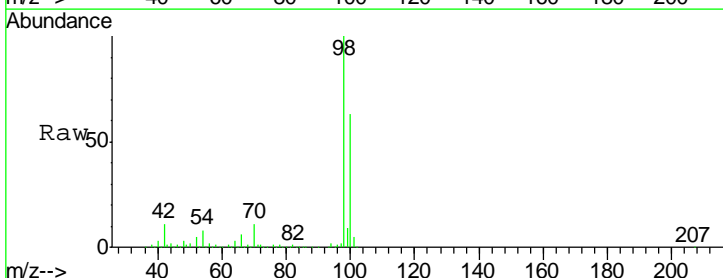
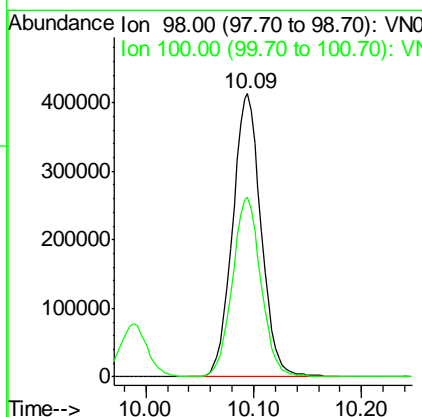
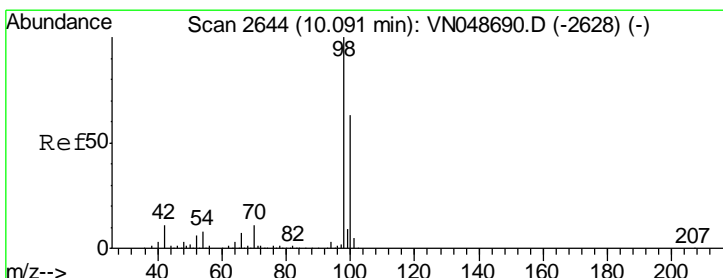
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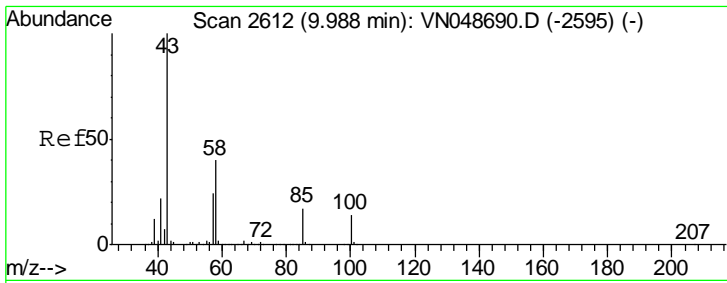
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#50
 Toluene-d8
 Concen: 50.04 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

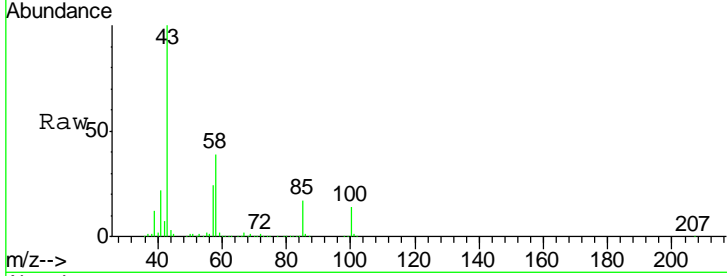
Tgt Ion	Resp	Lower	Upper
98	762144		
98	100		
100	63.4	51.2	76.8





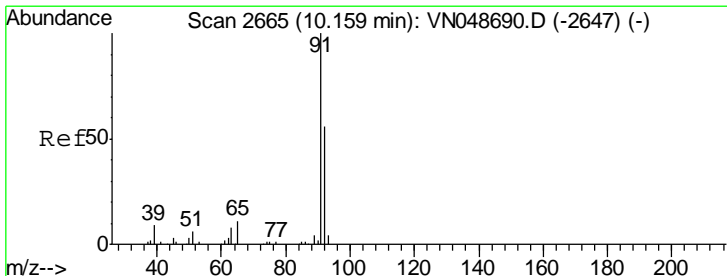
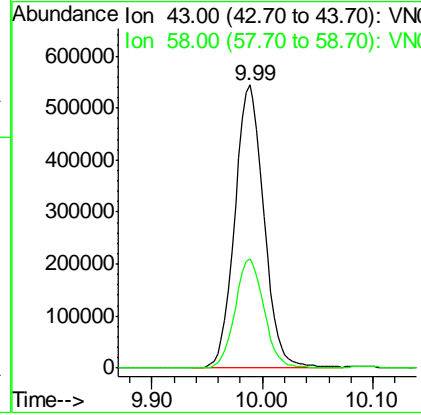
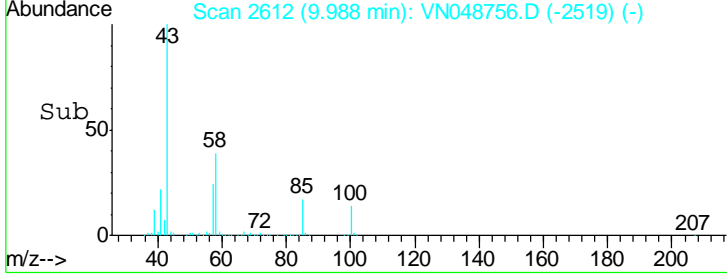
#51
 4-Methyl-2-Pentanone
 Concen: 253.58 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

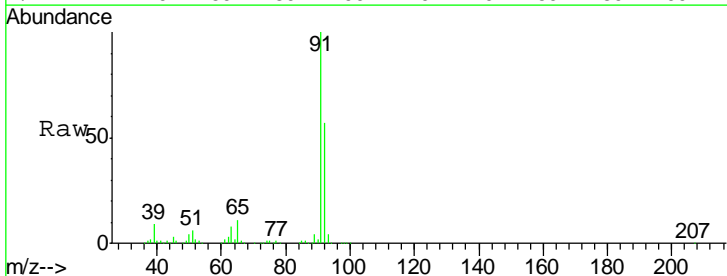


Tgt Ion	Resp	Lower	Upper
43	100		
58	38.6	31.0	46.6

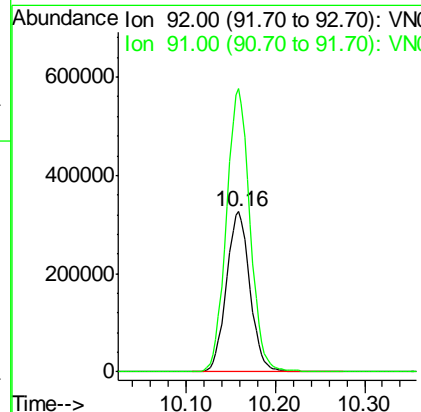
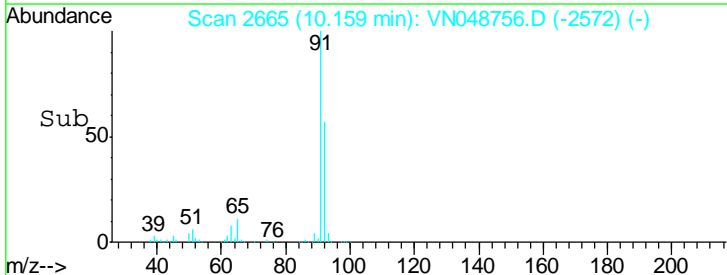
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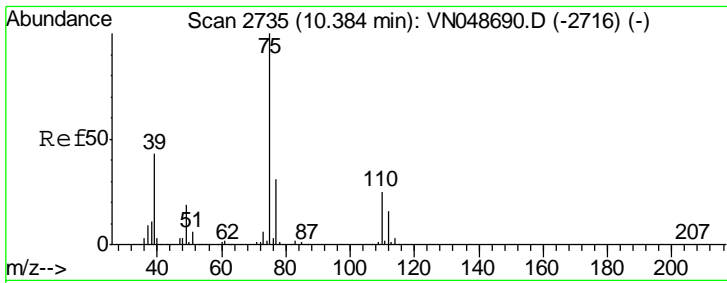


#52
 Toluene
 Concen: 51.56 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion	Resp	Lower	Upper
92	100		
91	176.9	141.0	211.4



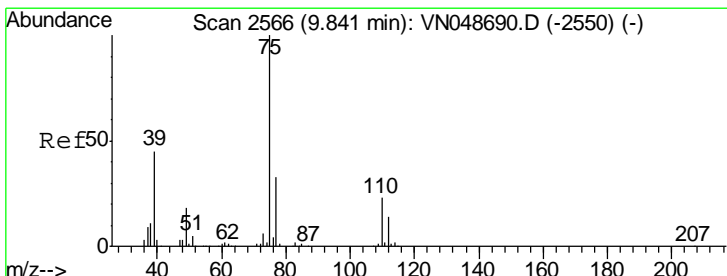
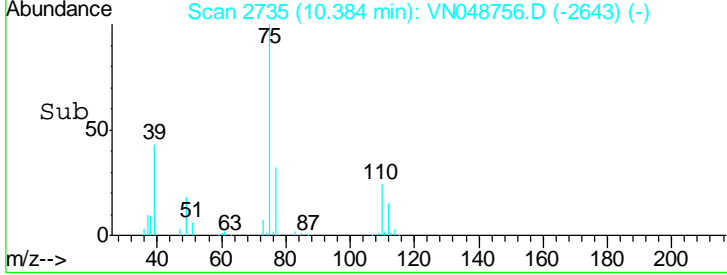
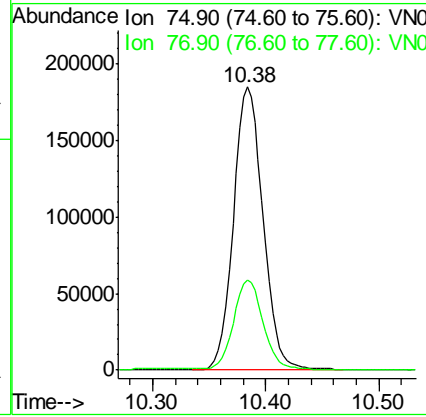
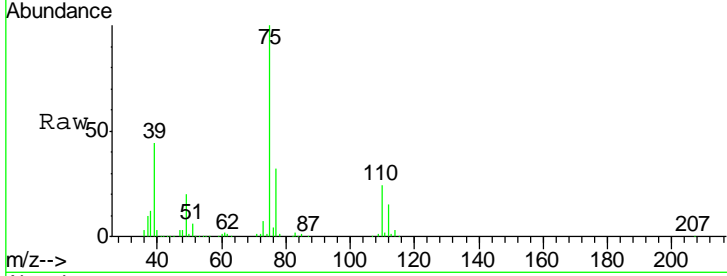


#53
 t-1,3-Dichloropropene
 Concen: 50.00 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

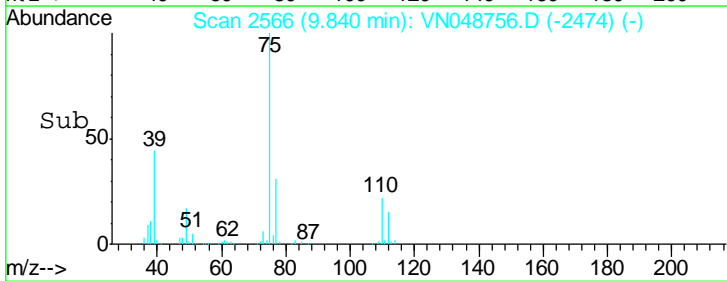
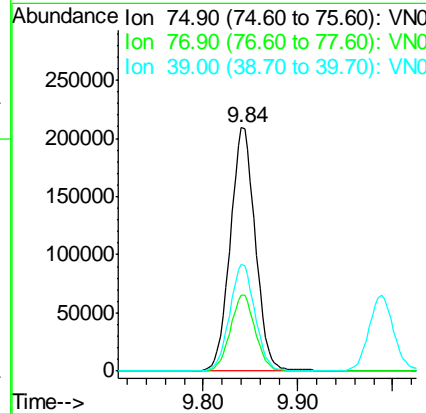
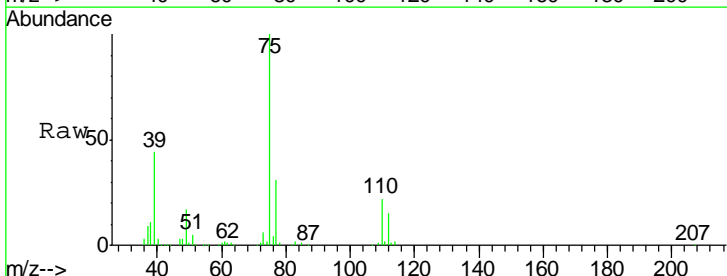
Tgt Ion	Resp	Lower	Upper
75	336701		
75	100		
77	31.5	24.9	37.3

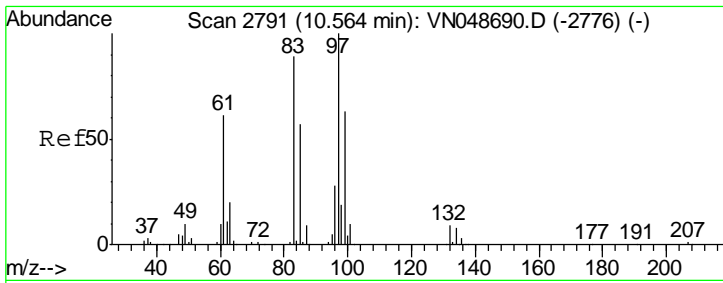
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#54
 cis-1,3-Dichloropropene
 Concen: 49.09 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

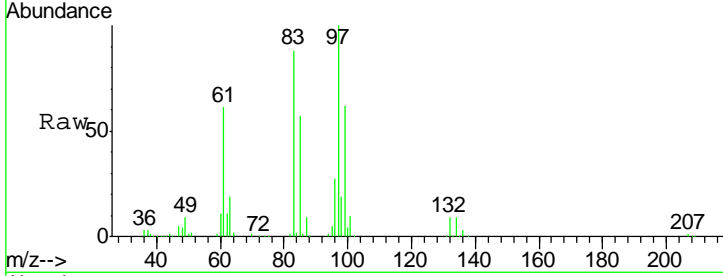
Tgt Ion	Resp	Lower	Upper
75	384455		
75	100		
77	31.3	25.1	37.7
39	43.8	36.7	55.1





#55
 1,1,2-Trichloroethane
 Concen: 50.95 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

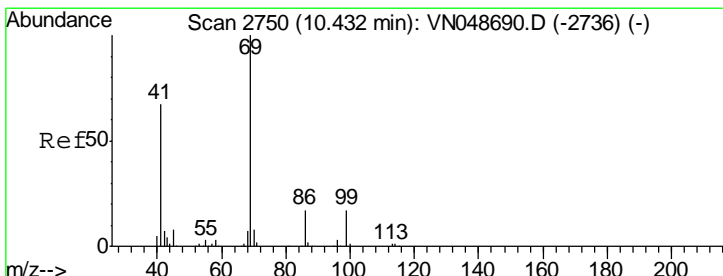
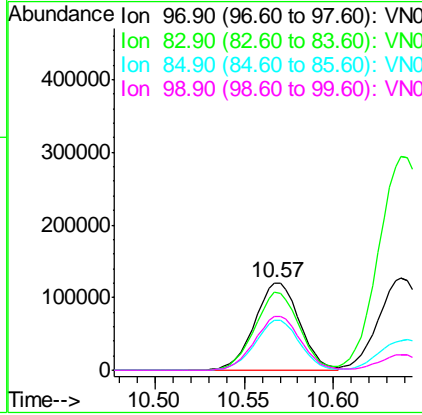
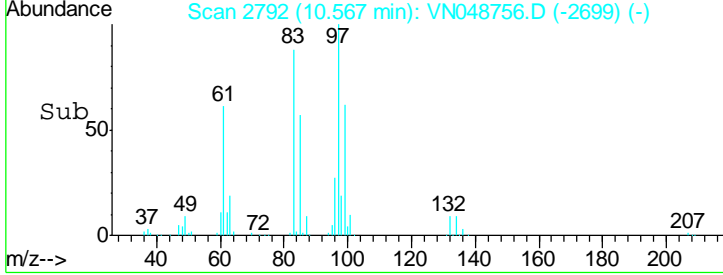
Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MSD



Tgt Ion: 97 Resp: 211790

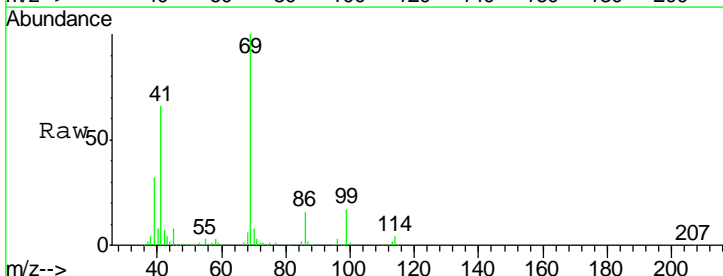
Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.7	103.1
85	56.6	43.4	65.2
99	61.4	49.6	74.4

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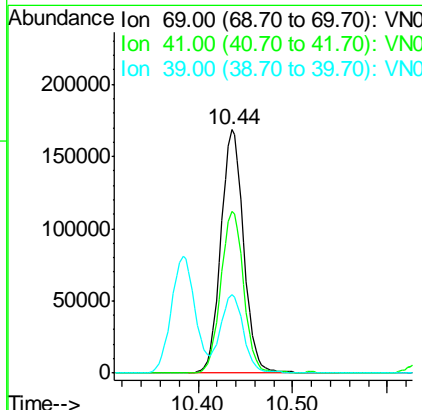
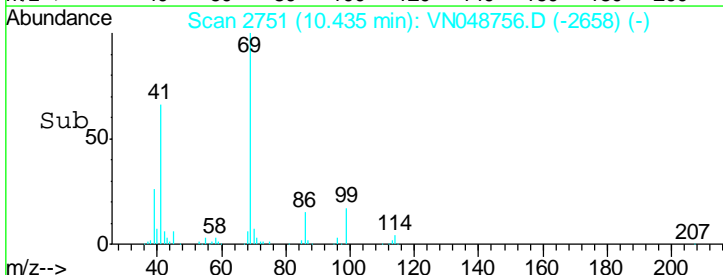
#56
 Ethyl methacrylate
 Concen: 48.47 ug/l
 RT: 10.44 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

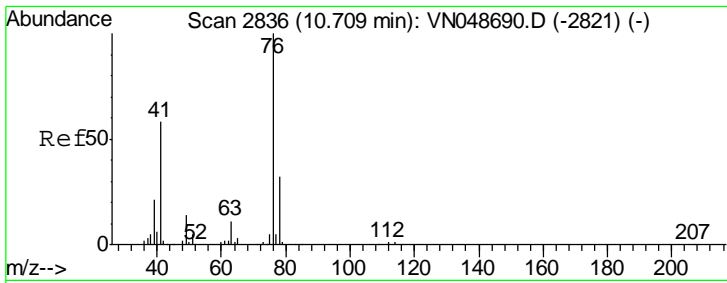
16



Tgt Ion: 69 Resp: 281629

Ion	Ratio	Lower	Upper
69	100		
41	66.3	52.3	78.5
39	32.5	26.4	39.6





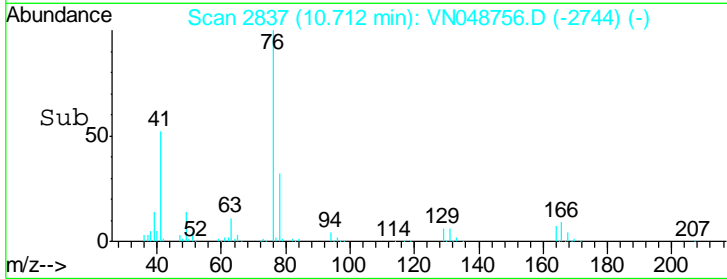
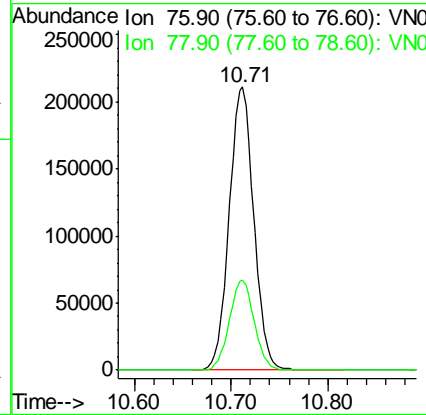
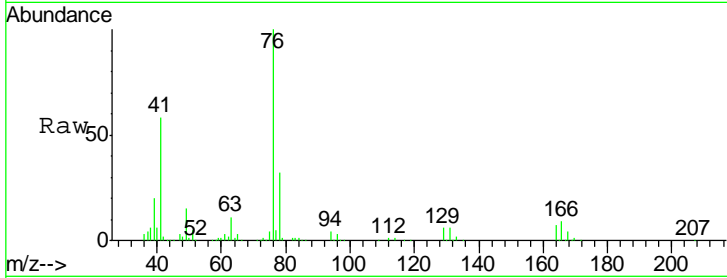
#57
 1,3-Dichloropropane
 Concen: 51.05 ug/l
 RT: 10.71 min Scan# 2837
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MSD

Tgt Ion	Resp	Lower	Upper
76	372701		
76	100		
78	32.2	25.7	38.5

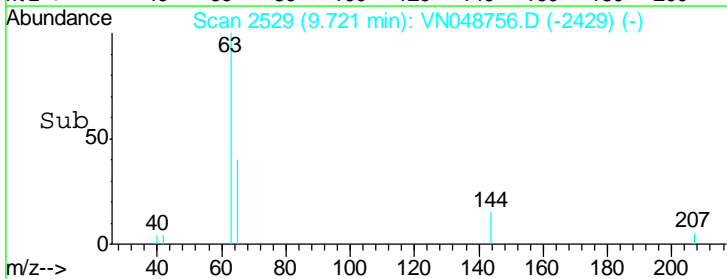
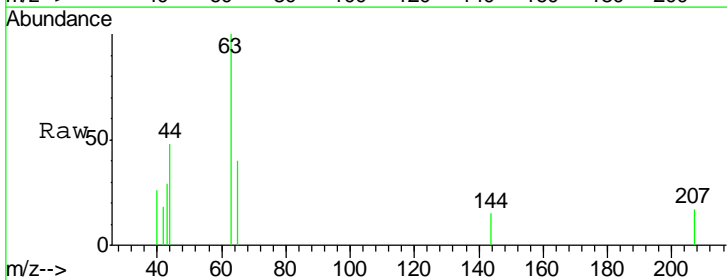
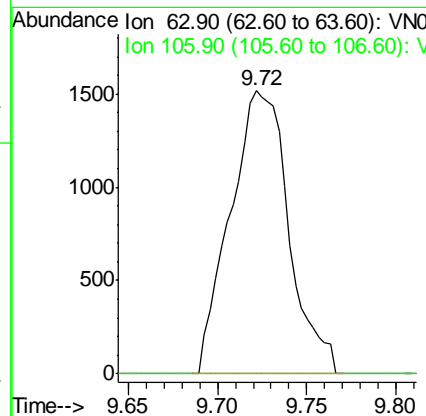
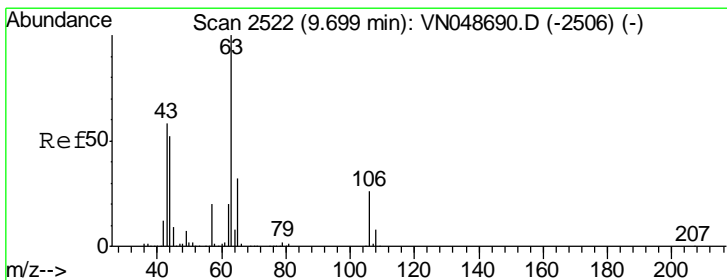
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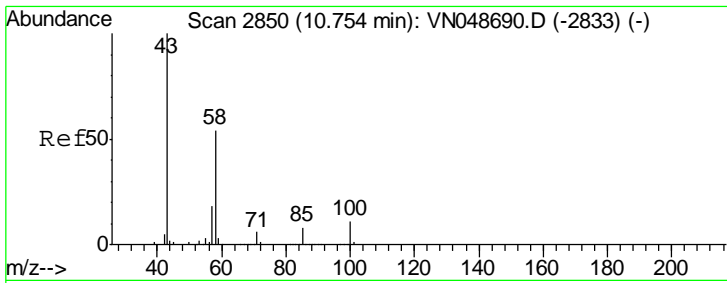
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#58
 2-Chloroethyl Vinyl ether
 Concen: 12.91 ug/l
 RT: 9.72 min Scan# 2529
 Delta R.T. 0.02 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
63	3466		
63	100		
106	0.0	21.3	31.9#





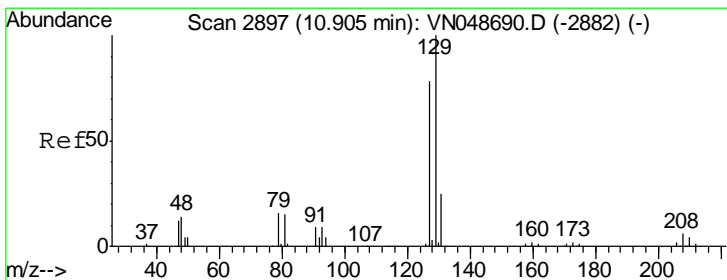
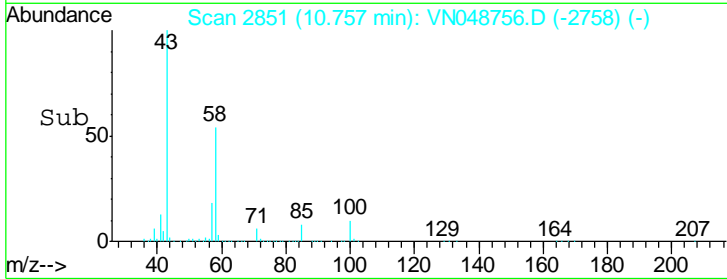
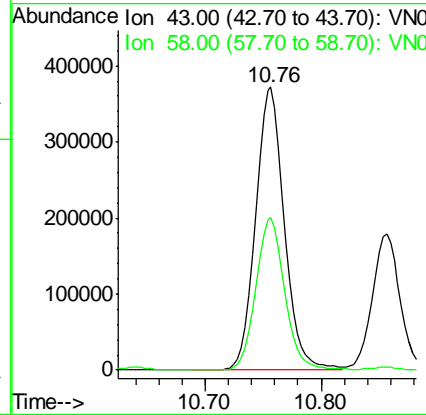
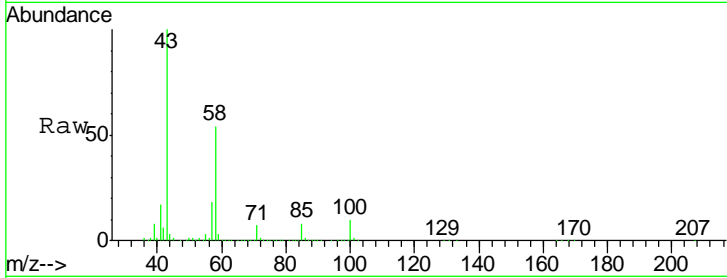
#59
 2-Hexanone
 Concen: 249.18 ug/l
 RT: 10.76 min Scan# 2851
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

Tgt Ion	Resp	Lower	Upper
43	100		
58	54.2	27.4	82.0

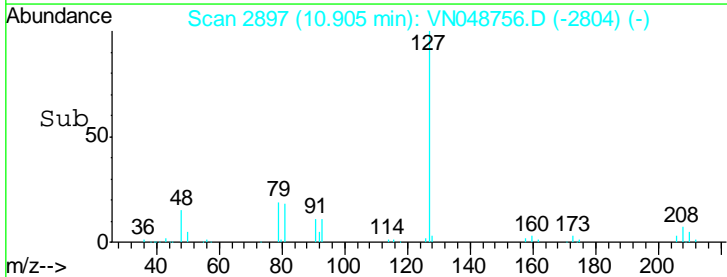
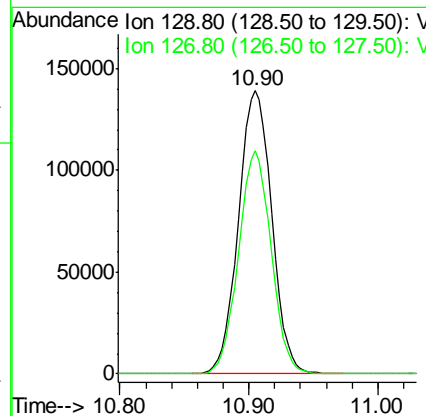
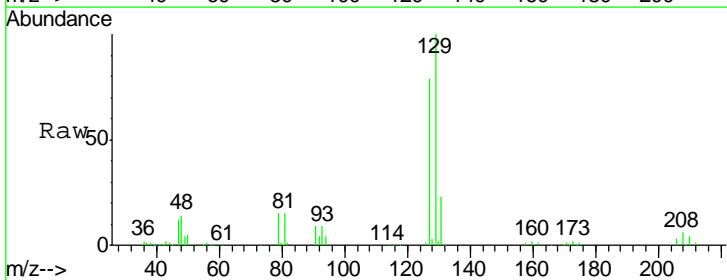
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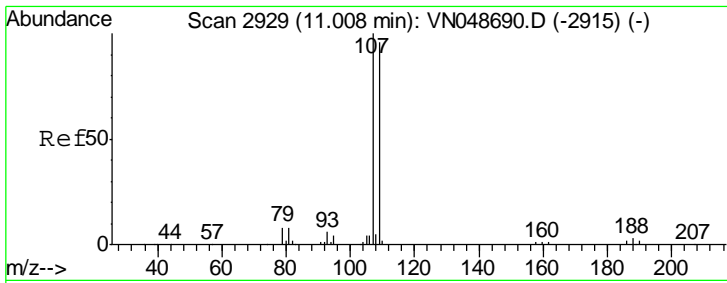
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#60
 Dibromochloromethane
 Concen: 51.28 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

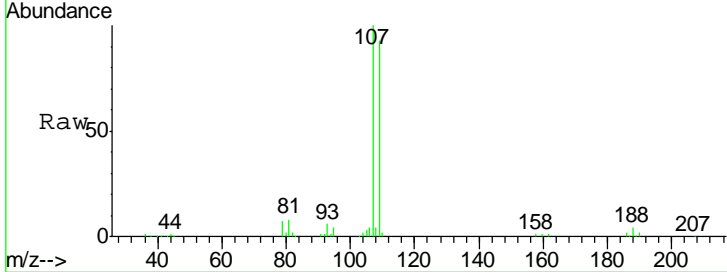
Tgt Ion	Resp	Lower	Upper
129	100		
127	77.2	38.8	116.4





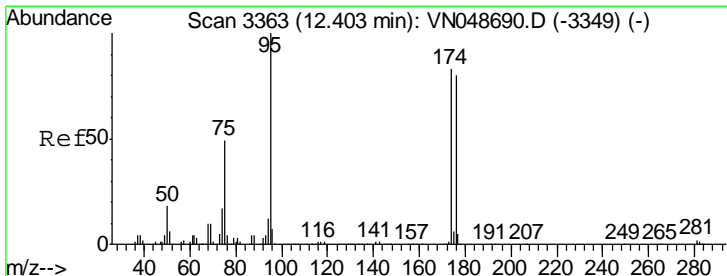
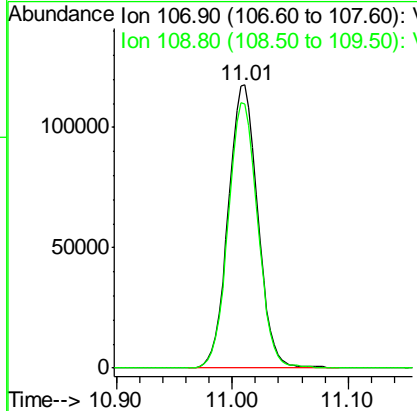
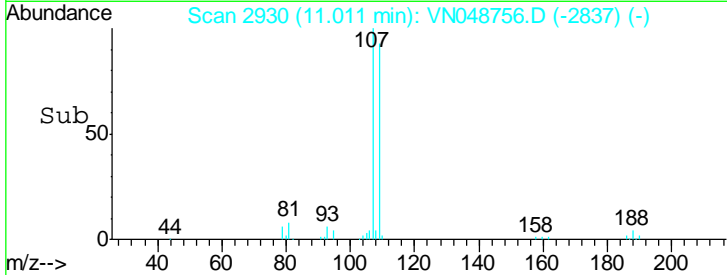
#61
 1,2-Dibromoethane
 Concen: 50.61 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

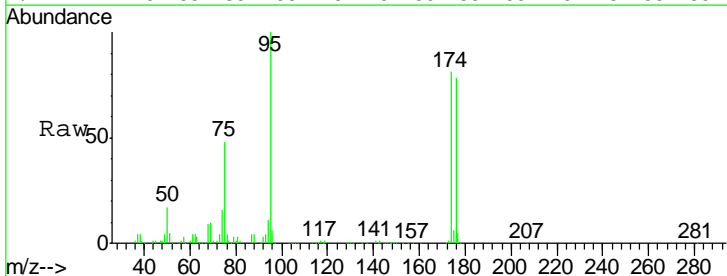


Tgt Ion: 107 Resp: 207684
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.4 111.6

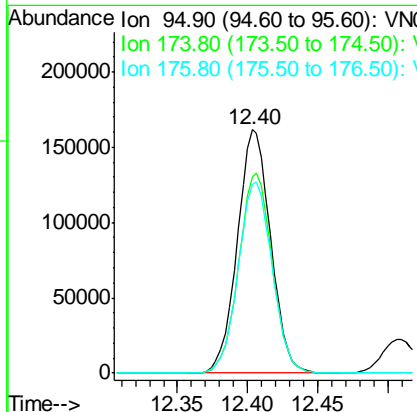
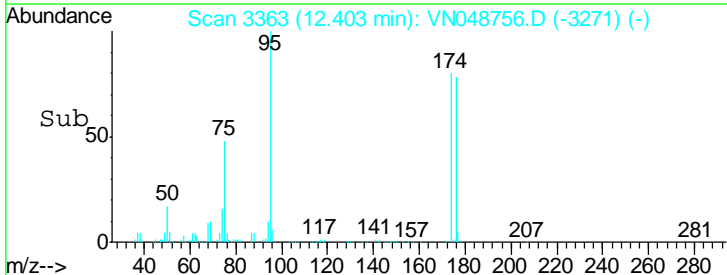
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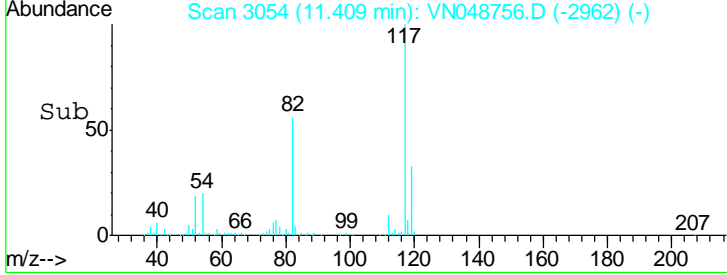
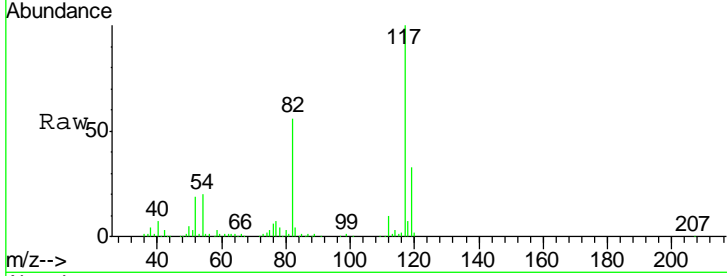
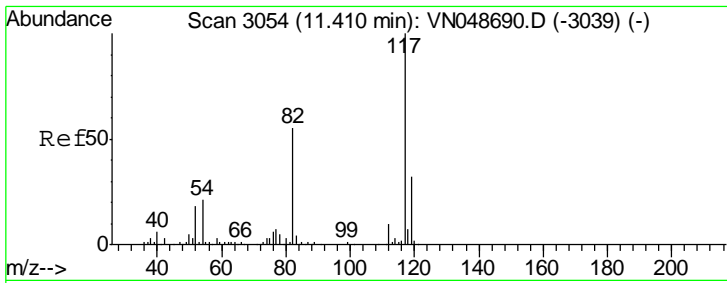


#62
 4-Bromofluorobenzene
 Concen: 50.87 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion: 95 Resp: 267379
 Ion Ratio Lower Upper
 95 100
 174 82.5 0.0 173.8
 176 80.1 0.0 170.0



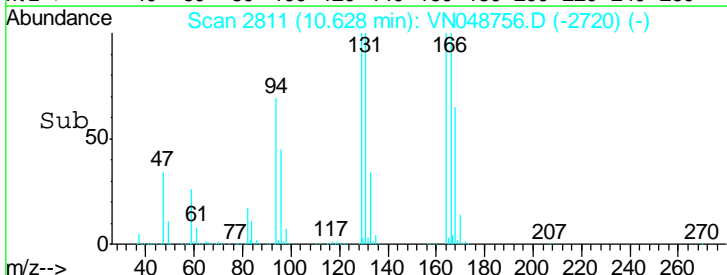
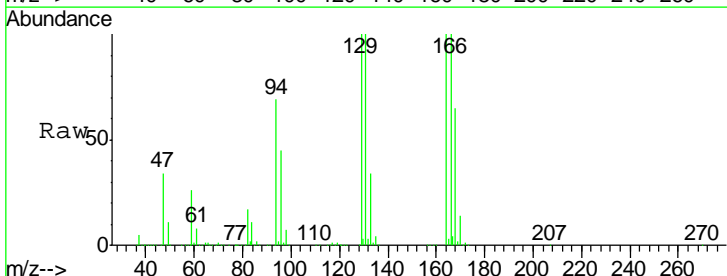
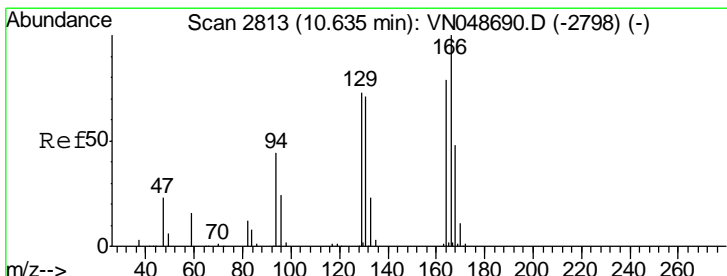
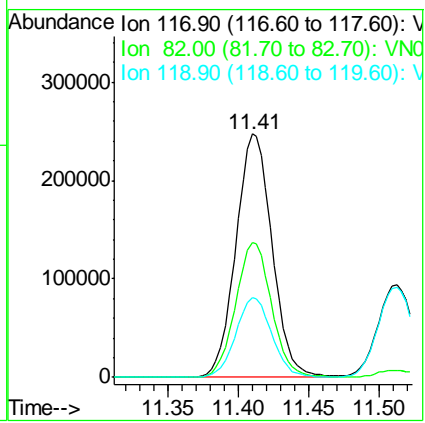


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
117	445234		
82	55.5	42.8	64.2
119	32.6	26.0	39.0

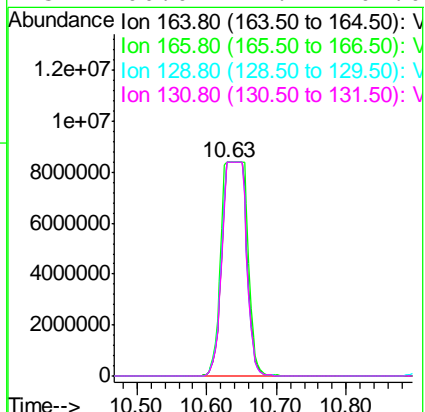
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MSD

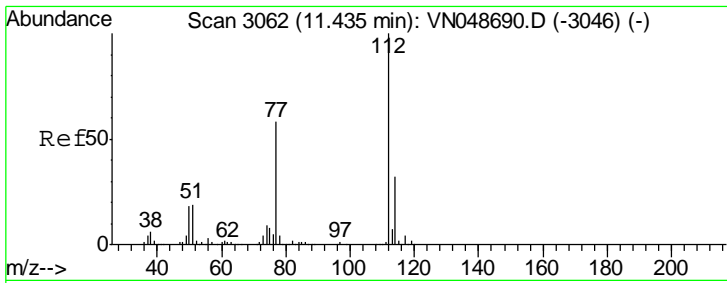
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#64
 Tetrachloroethene
 Concen: 4559.68 ug/l m
 RT: 10.63 min Scan# 2811
 Delta R.T. -0.01 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

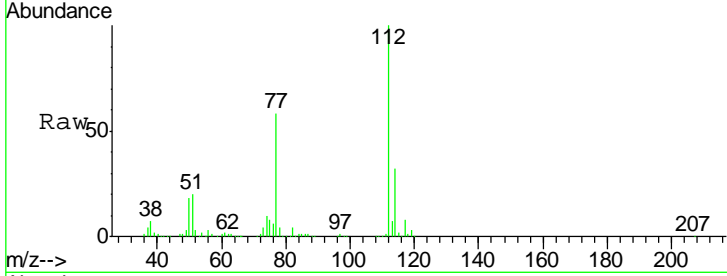
Tgt Ion	Resp	Lower	Upper
164	20553158		
166	100.0	102.7	154.1#
129	100.0	74.3	111.5
131	100.0	71.4	107.0





#65
 Chlorobenzene
 Concen: 50.46 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

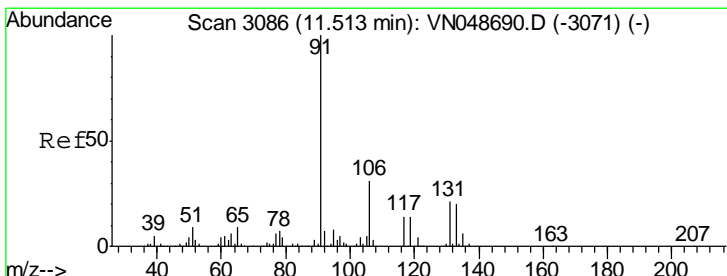
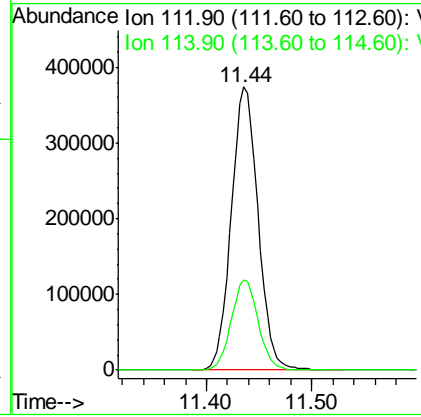
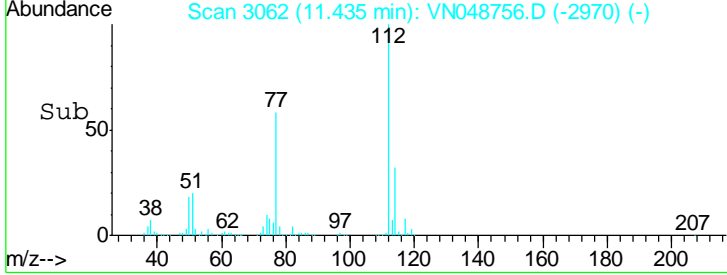
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MSD



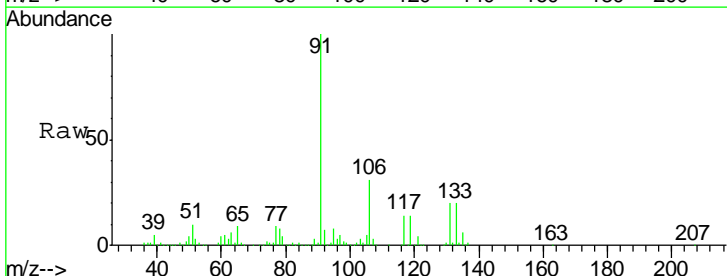
Tgt Ion: 112 Resp: 657896

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4

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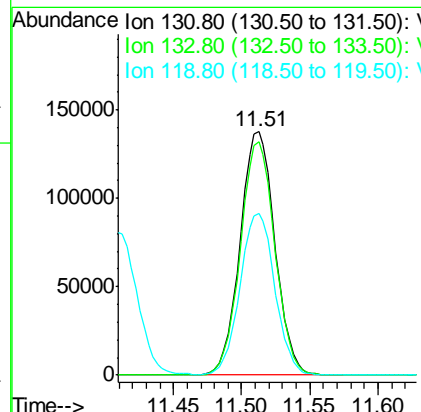
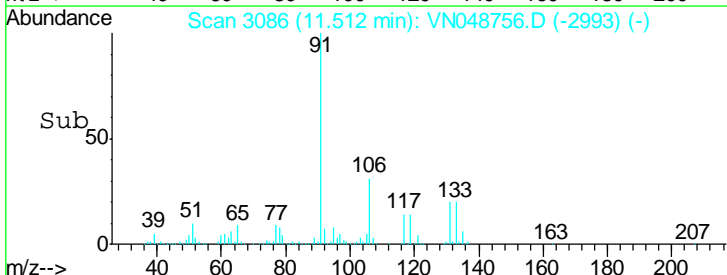


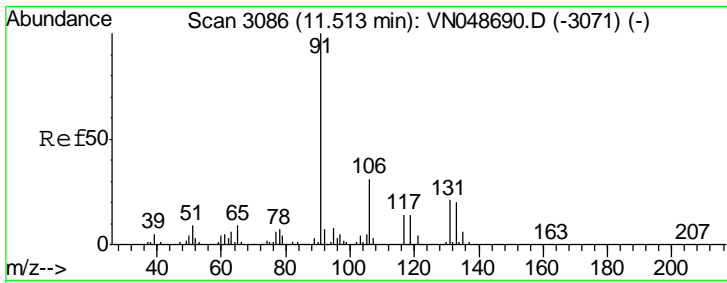
#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.64 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion: 131 Resp: 243653

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.8	143.4
119	66.6	33.1	99.3





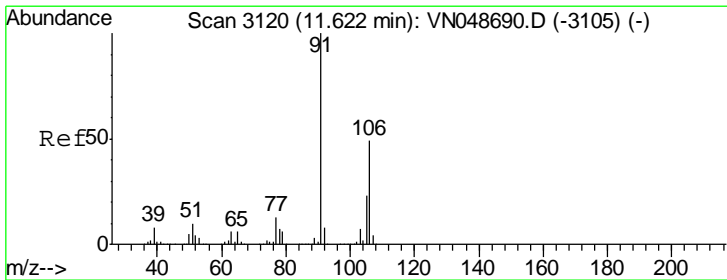
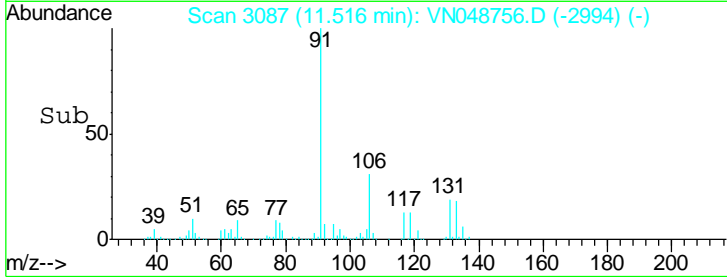
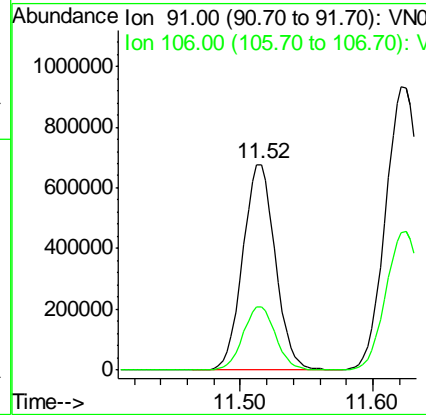
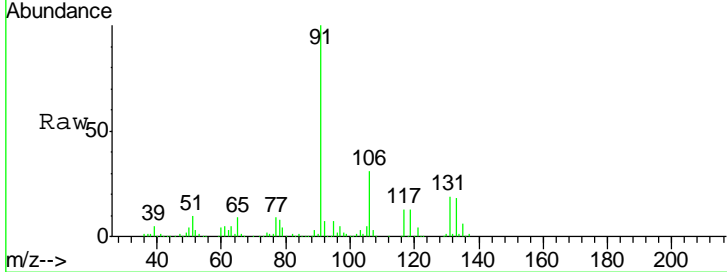
#67
 Ethyl Benzene
 Concen: 51.09 ug/l
 RT: 11.52 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

Tgt Ion	Resp	Lower	Upper
91	1153233		
106	30.9	24.9	37.3

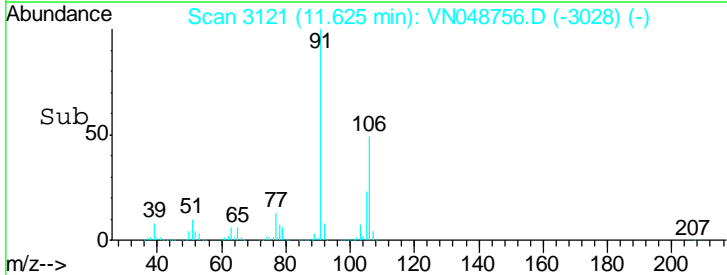
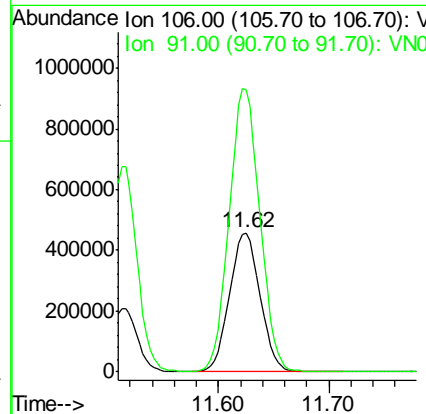
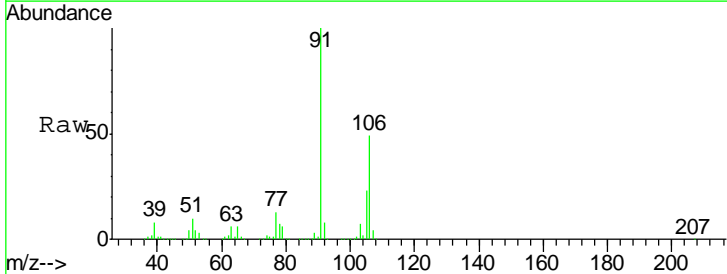
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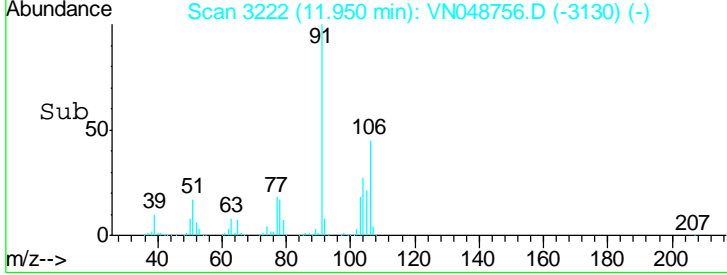
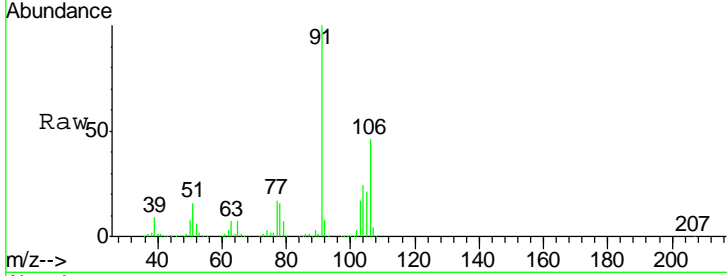
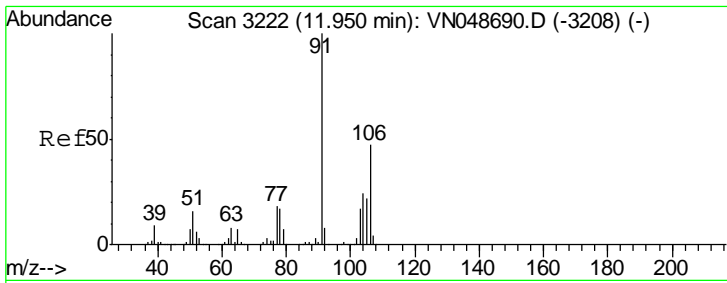
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#68
 m/p-Xylenes
 Concen: 103.27 ug/l
 RT: 11.62 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
106	878865		
91	204.3	163.4	245.0



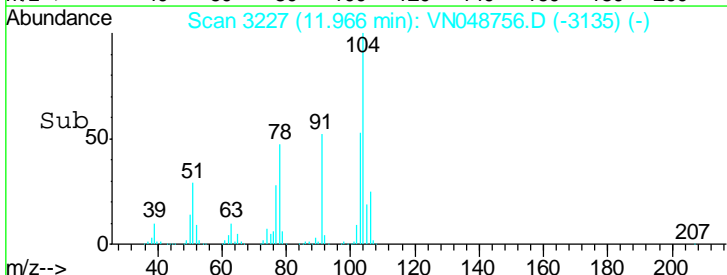
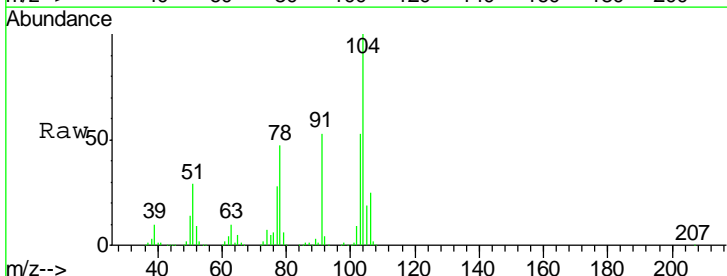
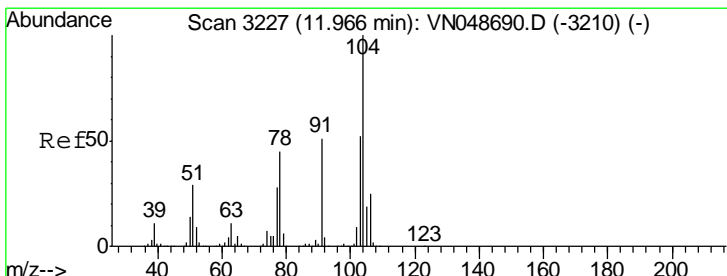
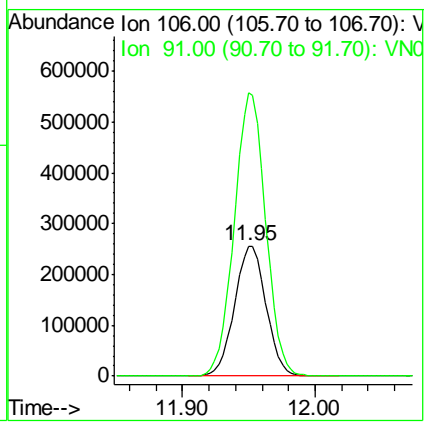


#69
 o-Xylene
 Concen: 51.46 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
106	422432		
106	100		
91	216.5	107.9	323.7

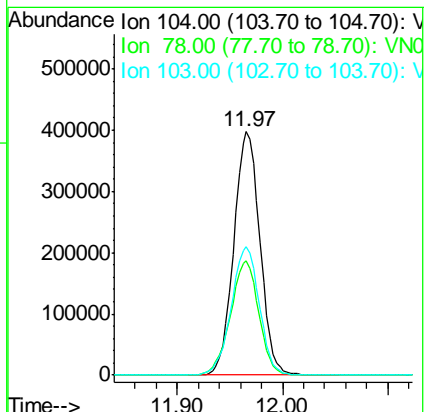
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

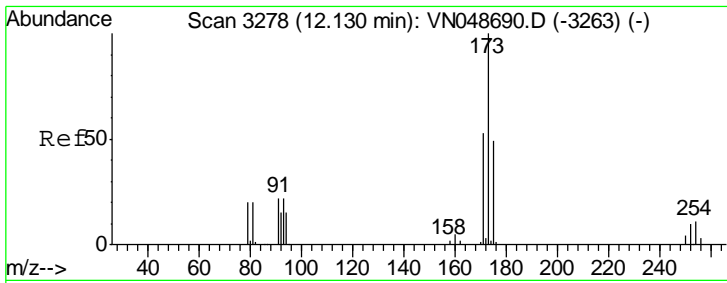
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#70
 Styrene
 Concen: 52.78 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

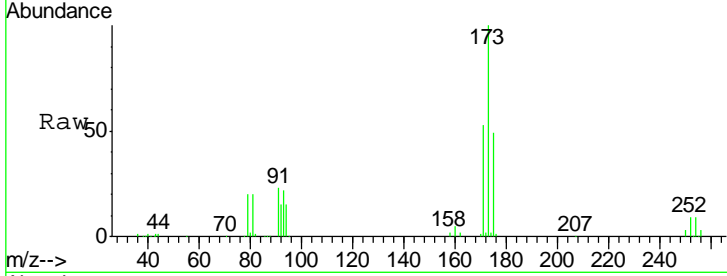
Tgt Ion	Resp	Lower	Upper
104	681067		
104	100		
78	50.7	39.8	59.8
103	56.5	44.6	66.8





#71
 Bromoform
 Concen: 50.67 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

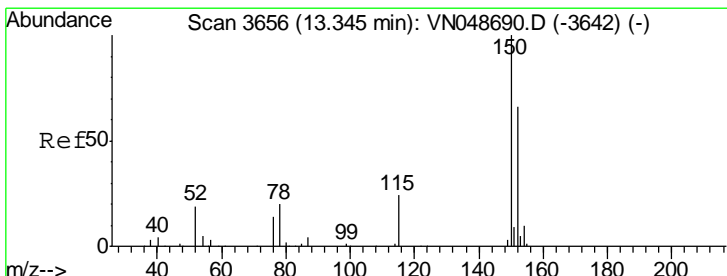
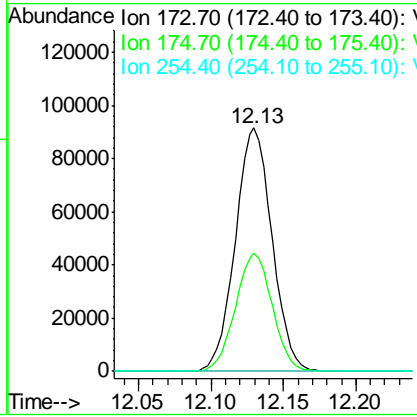
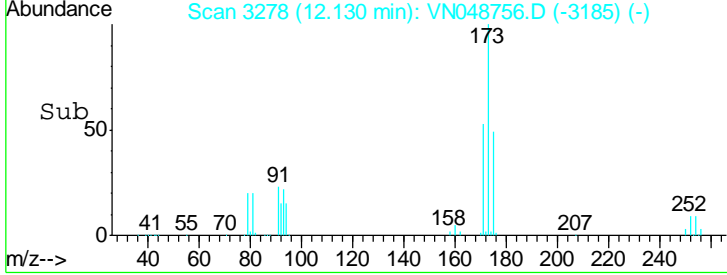
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD



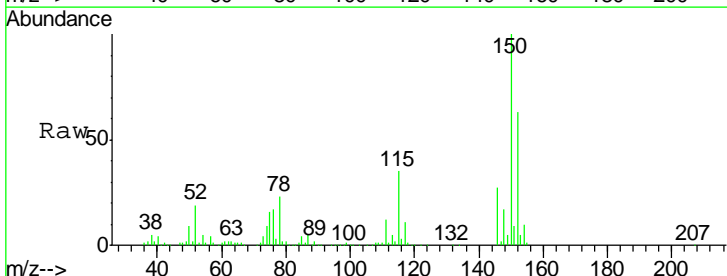
Tgt Ion: 173 Resp: 160805

Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.9	71.8
254	0.1	0.0	0.0

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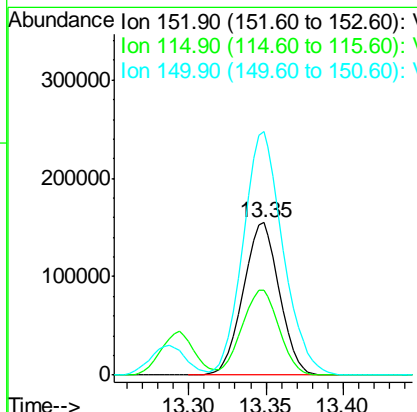
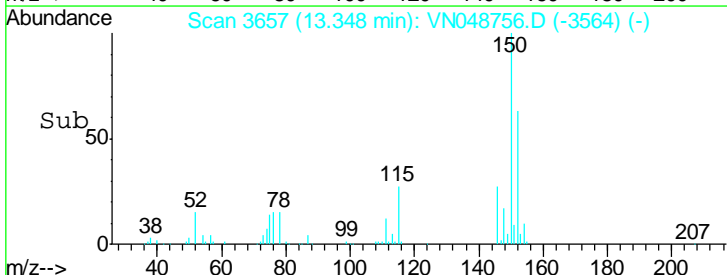


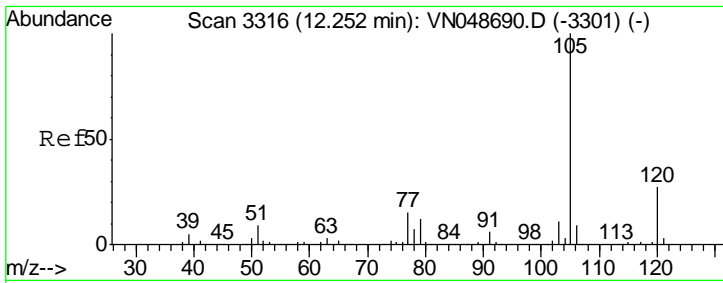
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion: 152 Resp: 252343

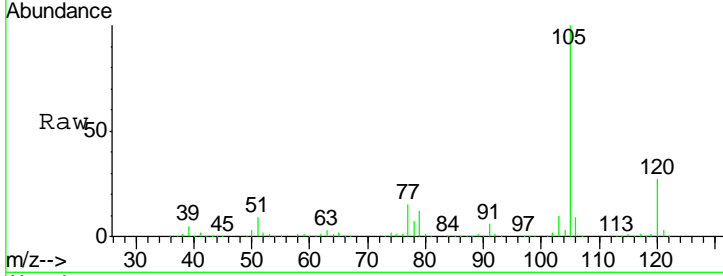
Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.1	84.4
150	175.8	0.0	353.0





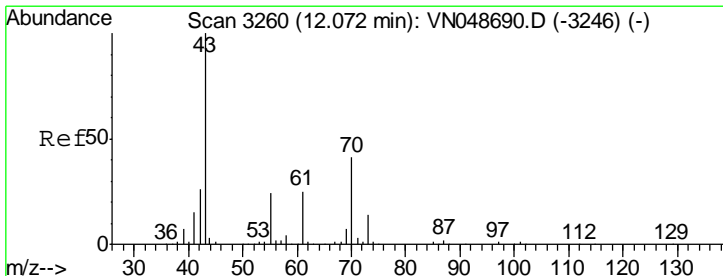
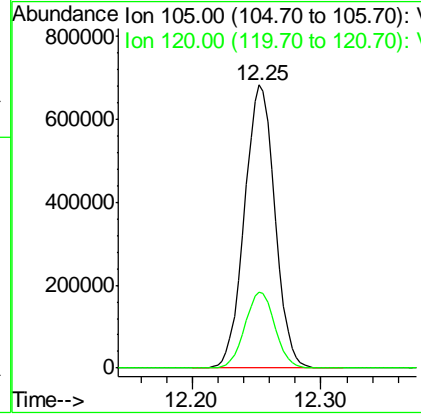
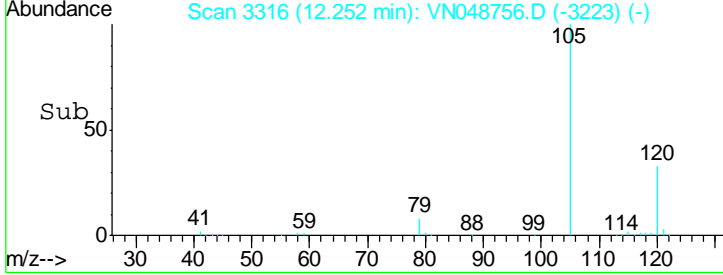
#73
 Isopropylbenzene
 Concen: 49.46 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

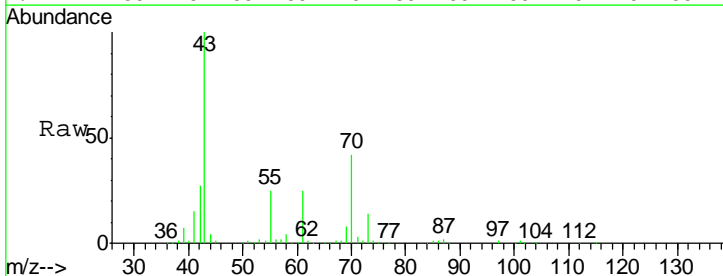


Tgt Ion: 105 Resp: 1115978
 Ion Ratio Lower Upper
 105 100
 120 26.7 13.3 39.9

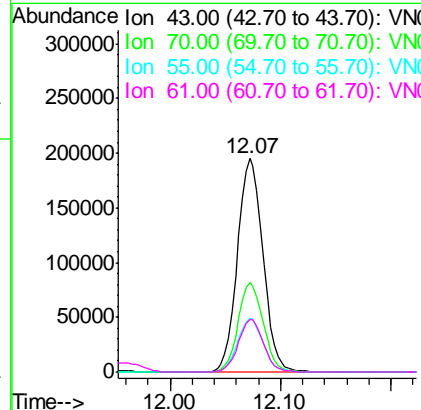
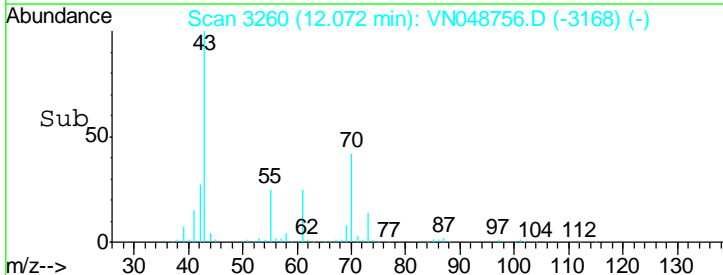
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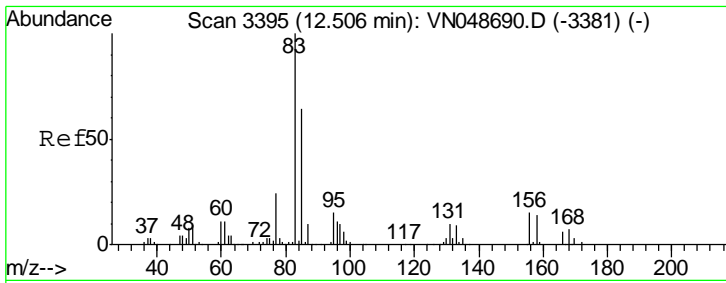


#74
 N-aryl acetate
 Concen: 47.23 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion: 43 Resp: 313812
 Ion Ratio Lower Upper
 43 100
 70 40.9 33.7 50.5
 55 24.9 19.3 28.9
 61 24.3 19.4 29.2





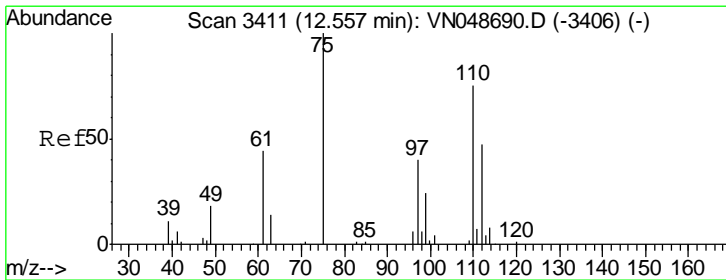
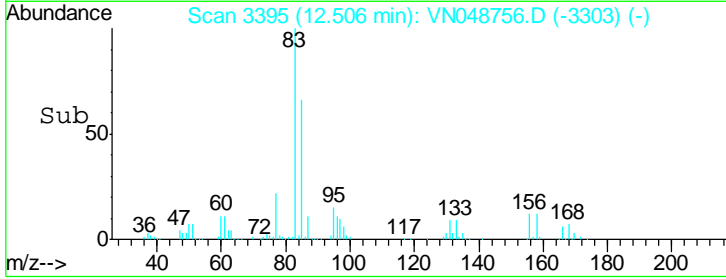
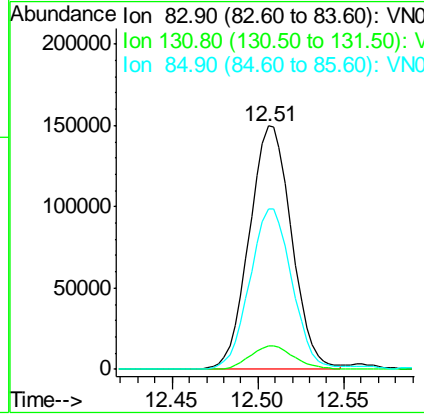
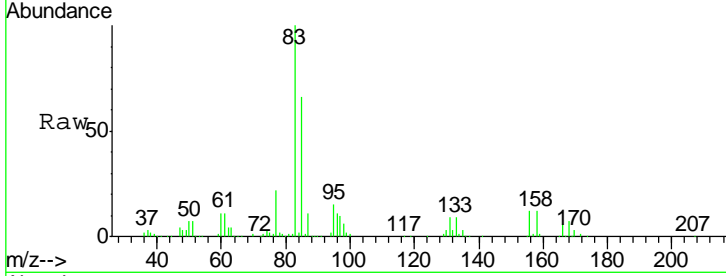
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.16 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.0	5.3	15.8
85	65.5	32.4	97.0

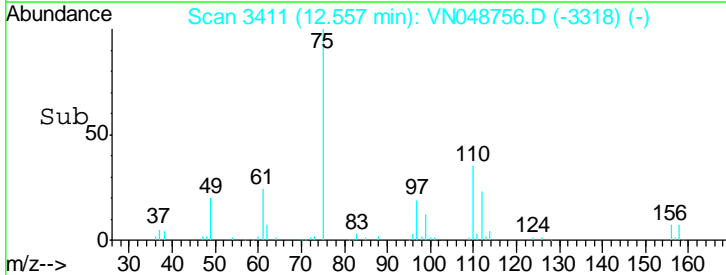
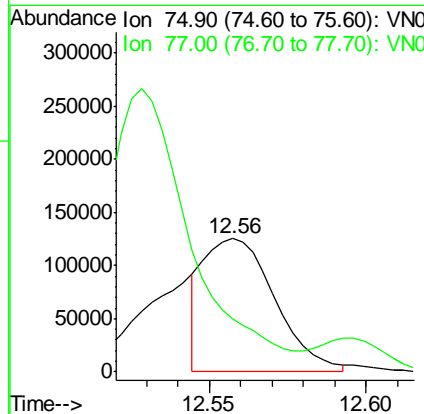
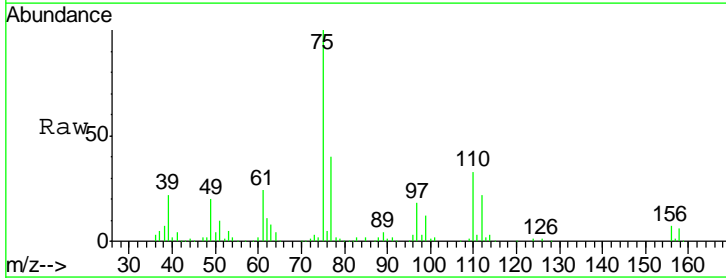
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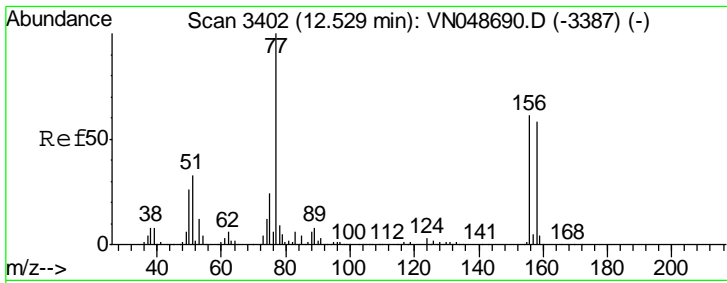
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#76
 1,2,3-Trichloropropane
 Concen: 45.44 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0



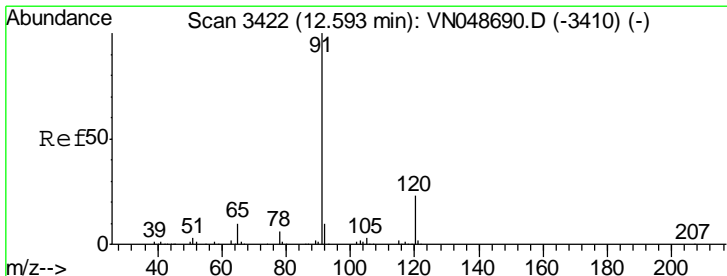
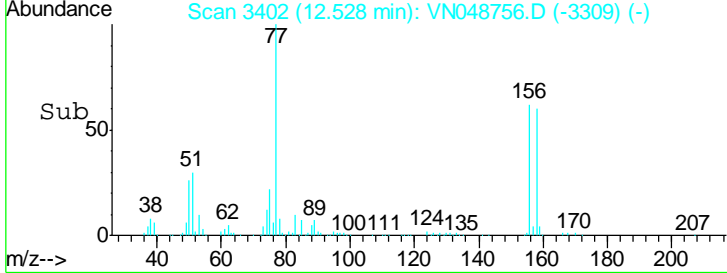
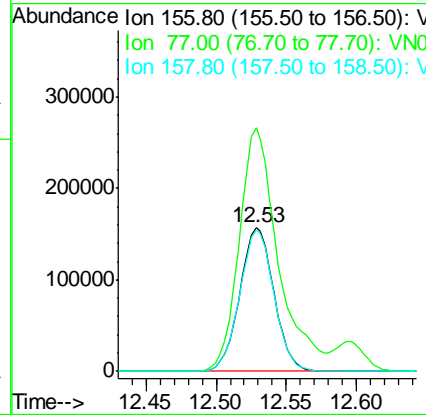
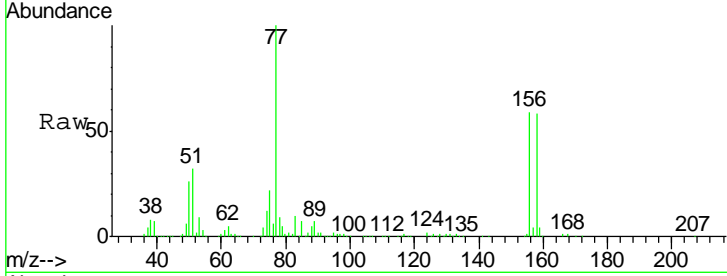


#77
 Bromobenzene
 Concen: 48.50 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

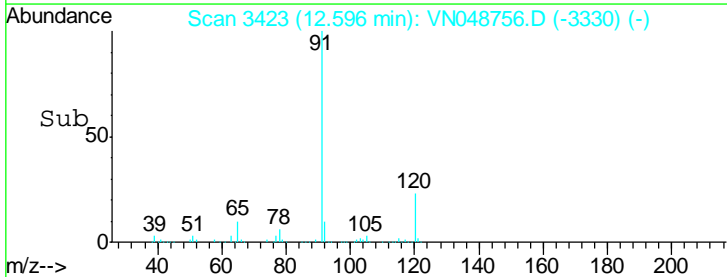
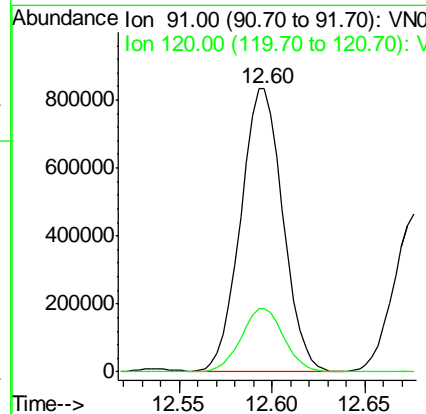
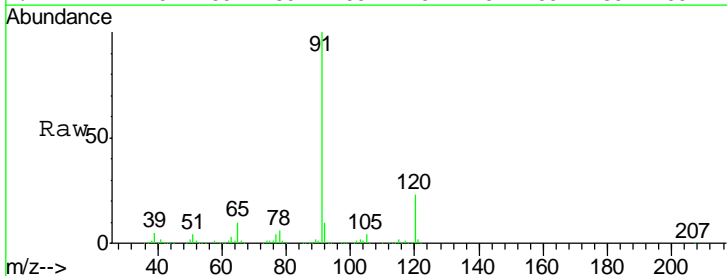
Tgt Ion	Resp	Lower	Upper
156	266055		
77	193.2	93.3	280.1
158	98.5	48.9	146.6

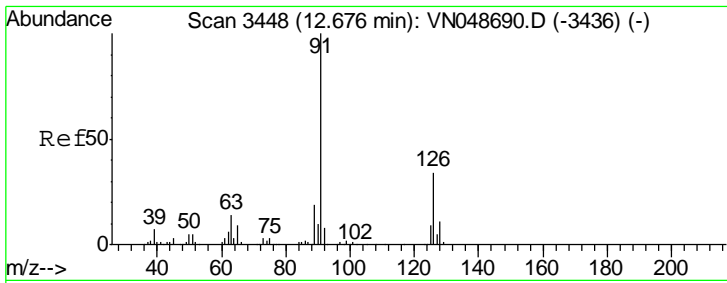
Manual Integrations
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#78
 n-propylbenzene
 Concen: 50.89 ug/l
 RT: 12.60 min Scan# 3423
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
91	1318584		
120	22.5	11.7	35.1



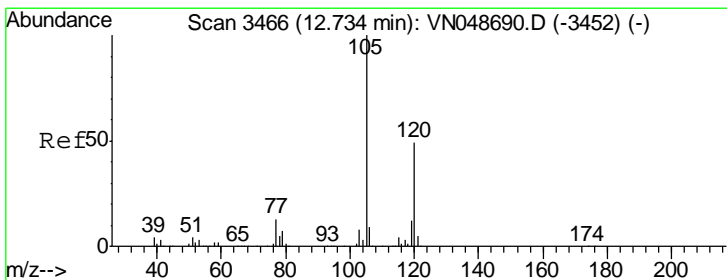
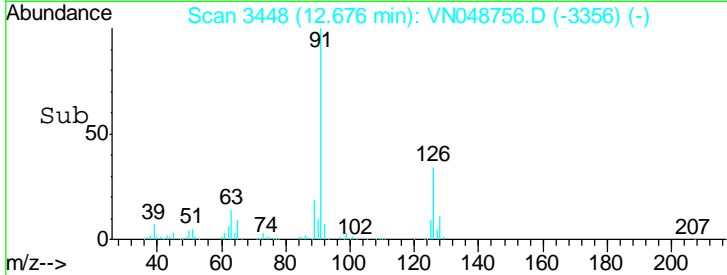
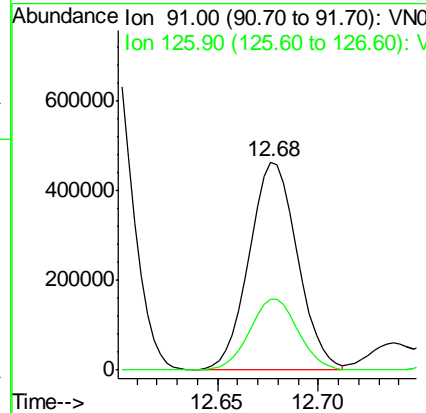
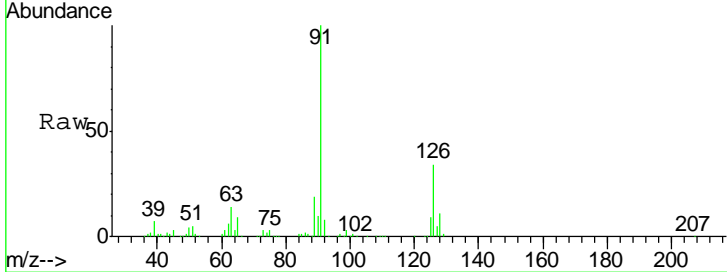


#79
 2-Chlorotoluene
 Concen: 49.90 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MSD

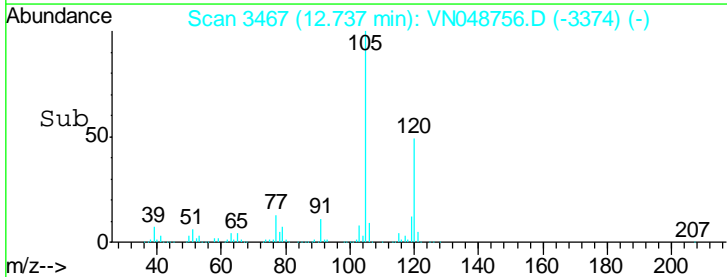
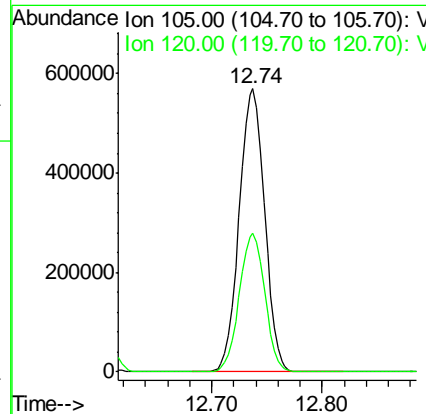
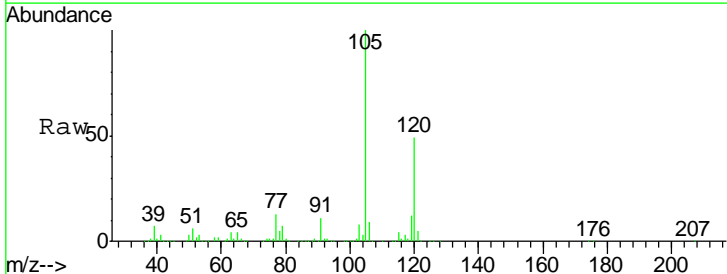
Tgt Ion	Resp	Lower	Upper
91	775525	100	
126	34.6	17.5	52.5

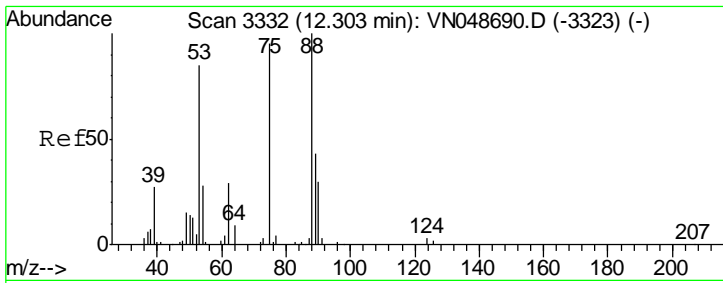
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.02 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
105	909626	100	
120	49.0	24.3	72.9





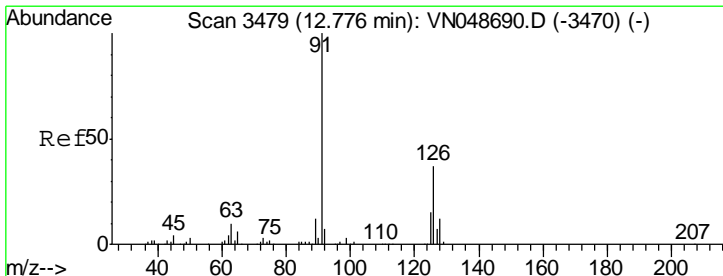
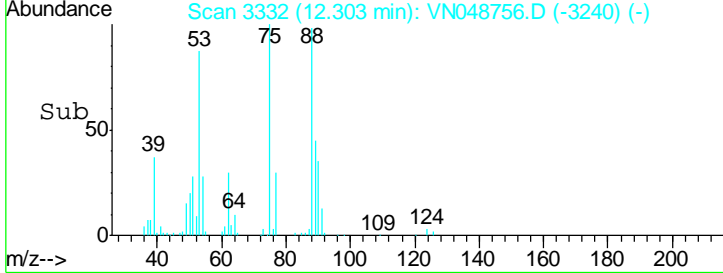
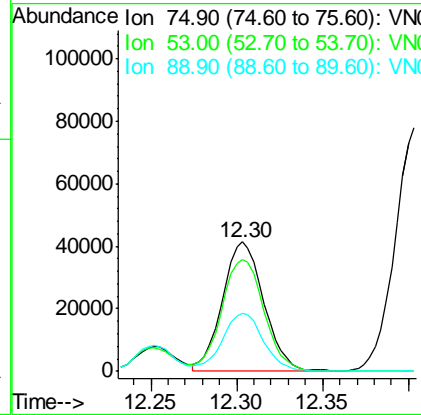
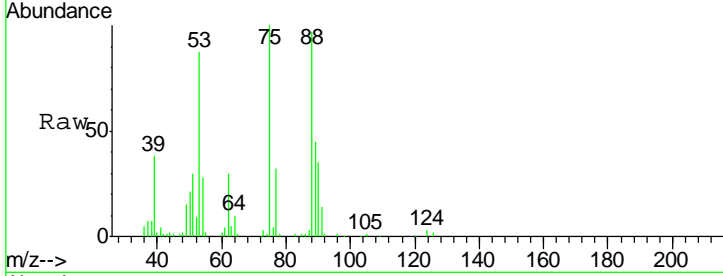
#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.01 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

Tgt Ion	Resp	Lower	Upper
75	69466		
75	100		
53	88.9	72.0	108.0
89	44.7	35.2	52.8

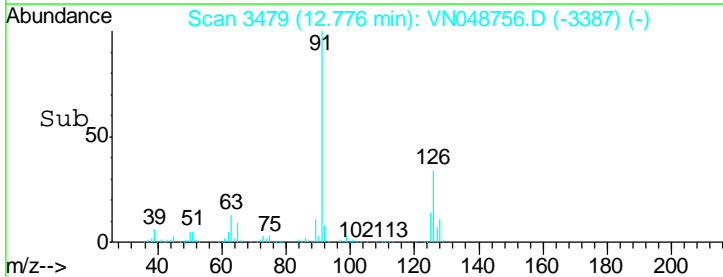
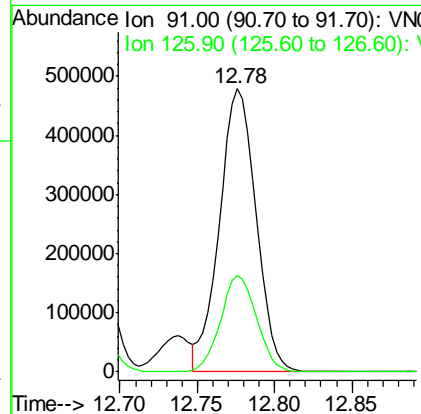
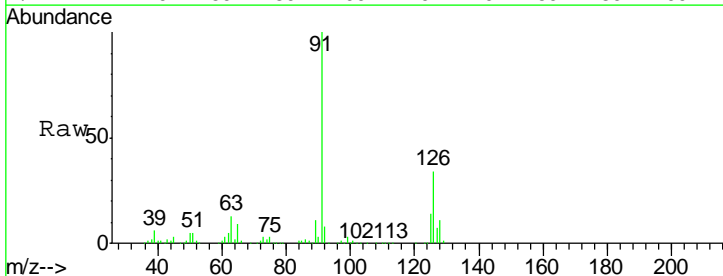
Manual Integrations
 APPROVED

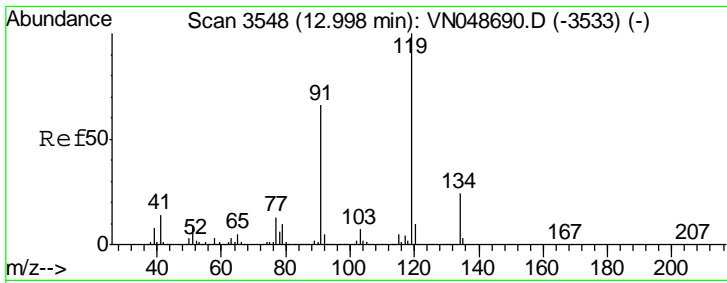
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#82
 4-Chlorotoluene
 Concen: 50.92 ug/l
 RT: 12.78 min Scan# 3479
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

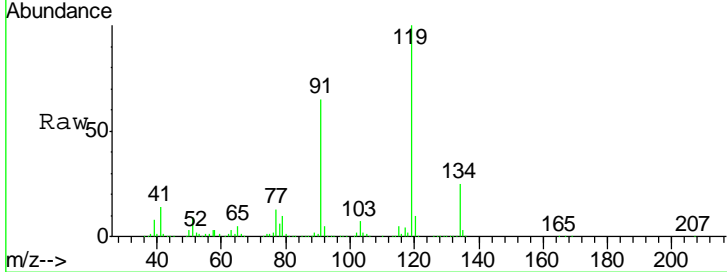
Tgt Ion	Resp	Lower	Upper
91	786040		
91	100		
126	33.6	17.2	51.6





#83
 tert-Butylbenzene
 Concen: 48.89 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

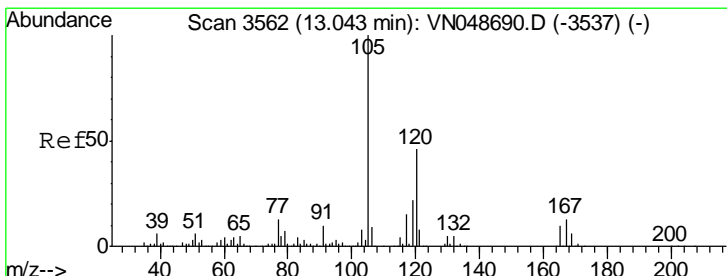
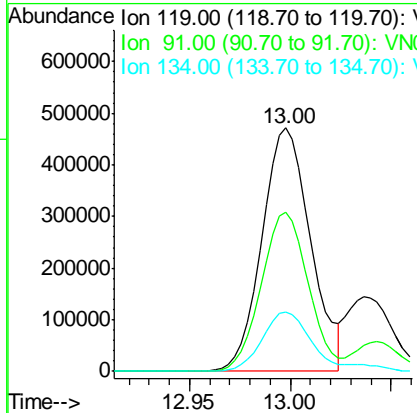
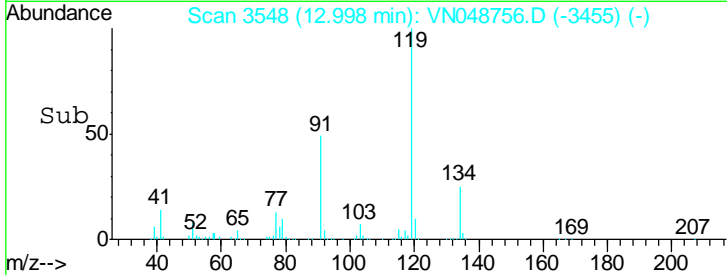
Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD



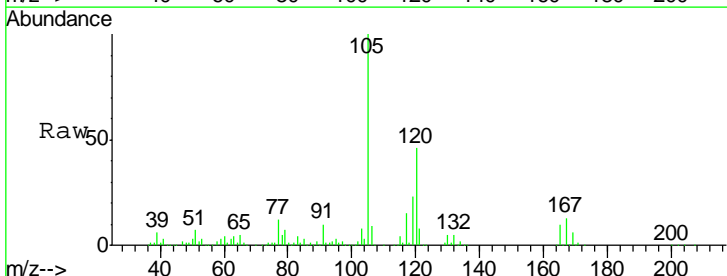
Tgt Ion: 119 Resp: 790699

Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.2	96.6
134	24.1	13.3	39.9

Manual Integrations
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 MMDadoda
 5/31/2018 3:07:10 PM

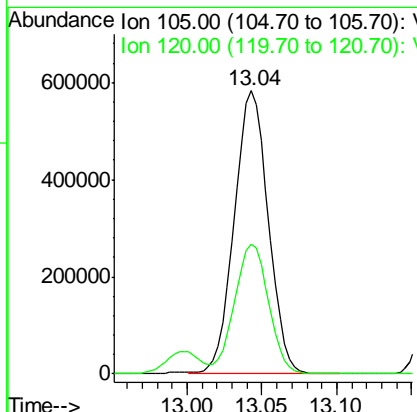
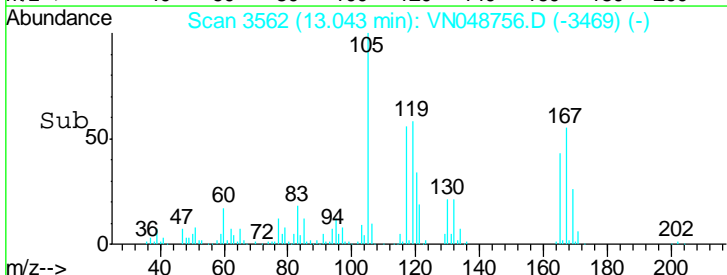


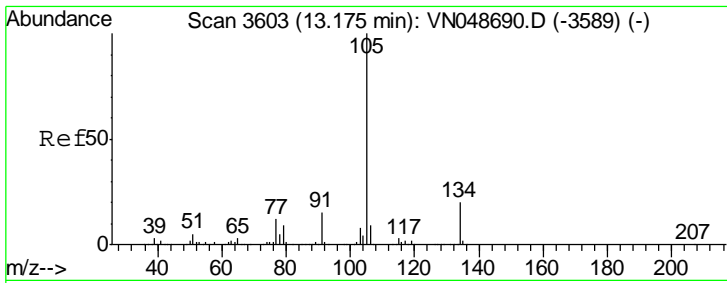
#84
 1,2,4-Trimethylbenzene
 Concen: 50.42 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion: 105 Resp: 921175

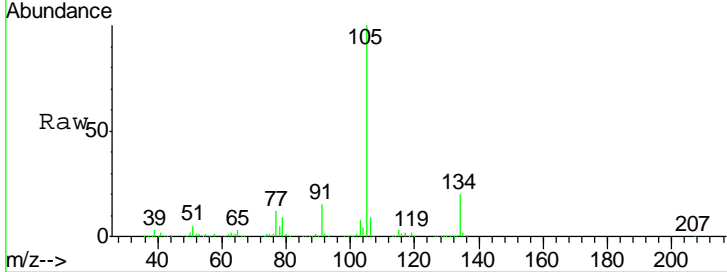
Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.7	68.0





#85
 sec-Butylbenzene
 Concen: 49.75 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

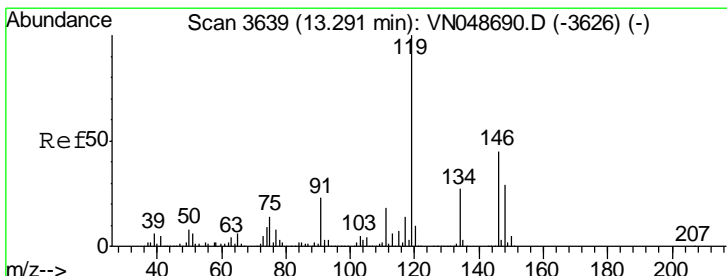
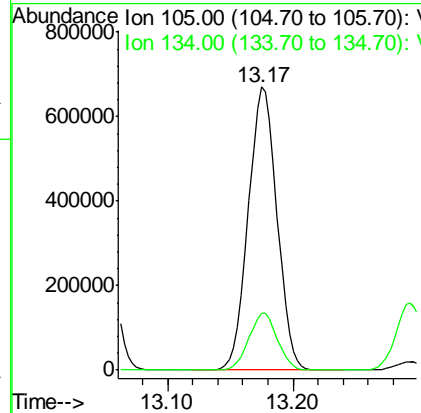
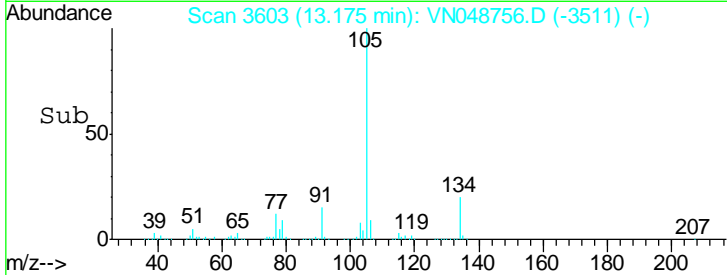
Instrument :
 MSVOA_N
 ClientSampled :
 936-MW-17(20.5)MSD



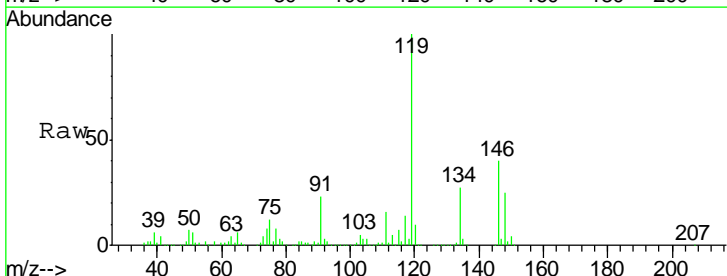
Tgt Ion: 105 Resp: 1067110

Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.1	30.3

Manual Integrations
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 MMDadoda
 5/31/2018 3:07:10 PM

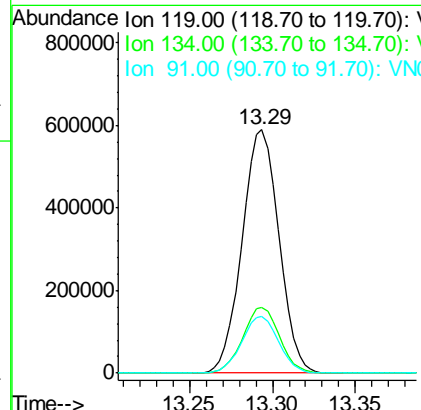
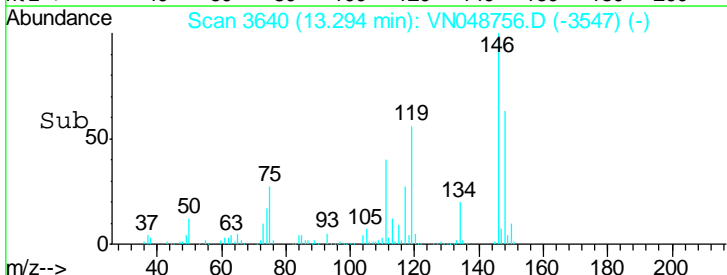


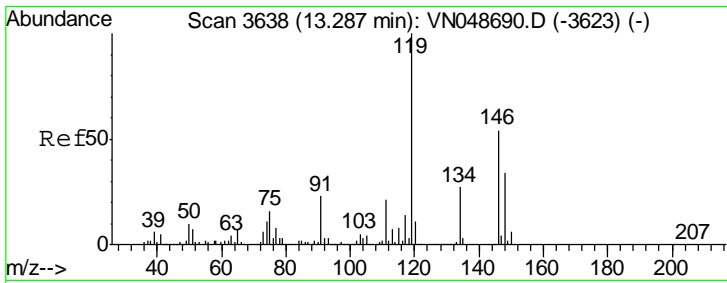
#86
 p-Isopropyltoluene
 Concen: 49.77 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion: 119 Resp: 910544

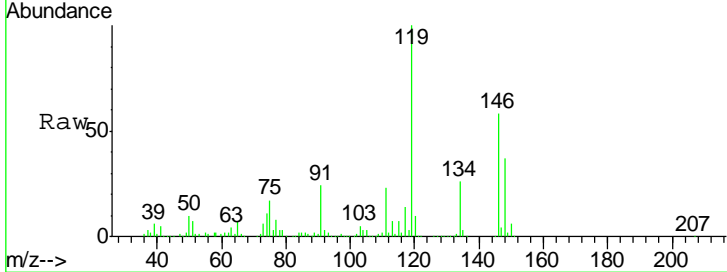
Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.4
91	23.2	11.4	34.2





#87
 1,3-Dichlorobenzene
 Concen: 50.53 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

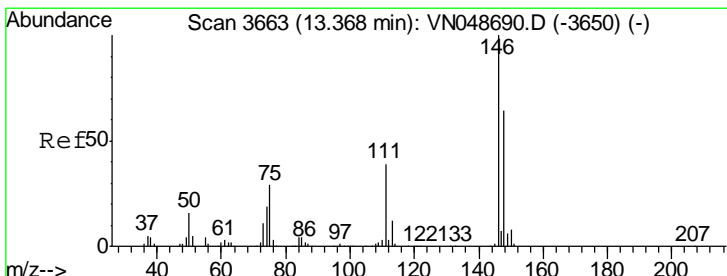
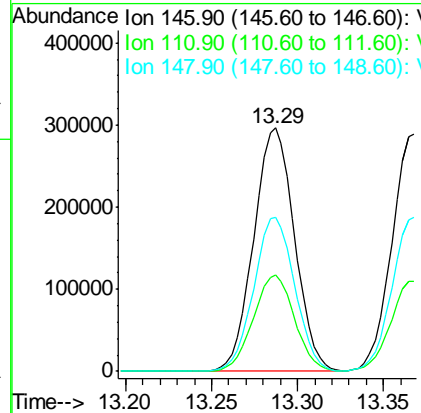
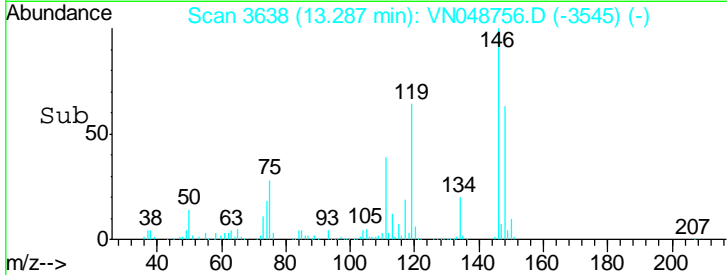
Instrument : MSVOA_N
 ClientSampled : 936-MW-17(20.5)MSD



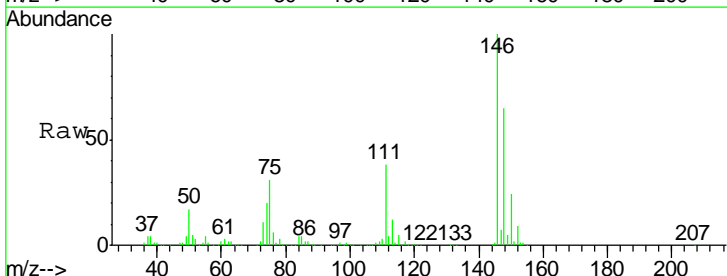
Tgt Ion:146 Resp: 488692

Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.3	57.9
148	63.4	32.1	96.5

Manual Integrations
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 MMDadoda
 5/31/2018 3:07:10 PM

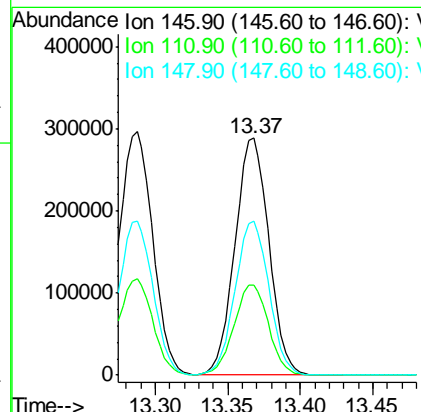
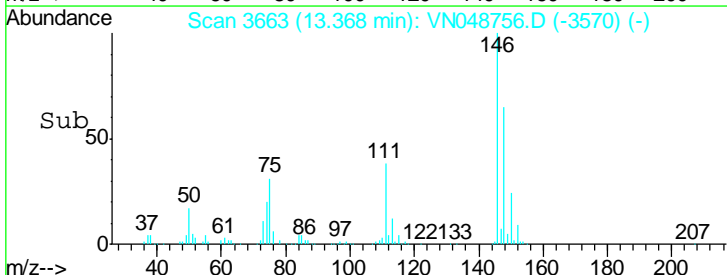


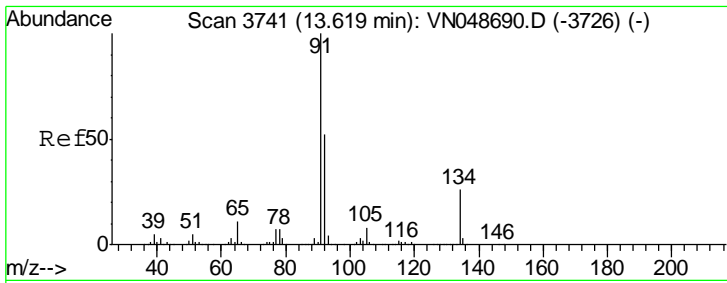
#88
 1,4-Dichlorobenzene
 Concen: 50.01 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion:146 Resp: 469325

Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.5
148	64.8	32.2	96.6



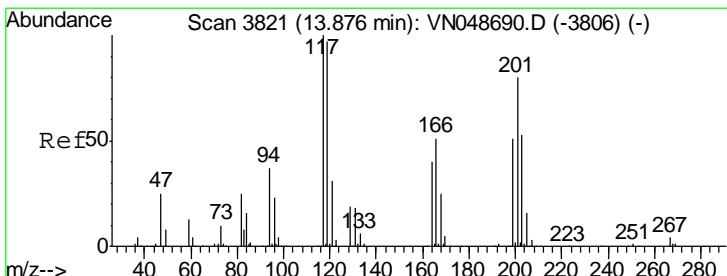
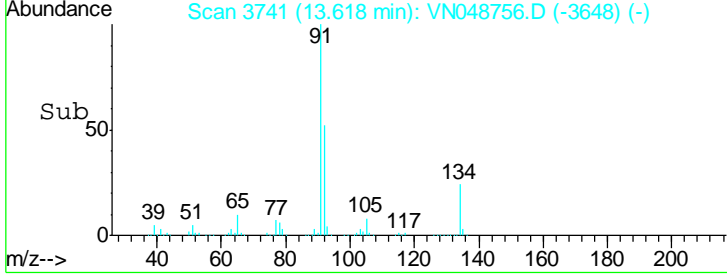
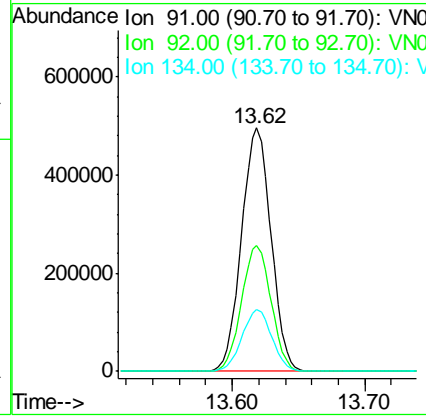
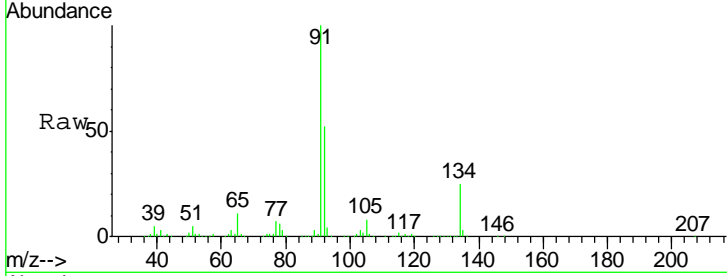


#89
 n-Butylbenzene
 Concen: 49.80 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

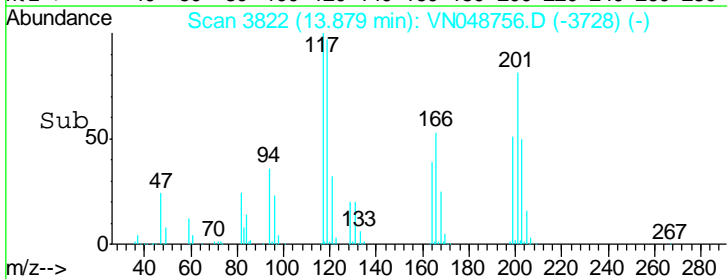
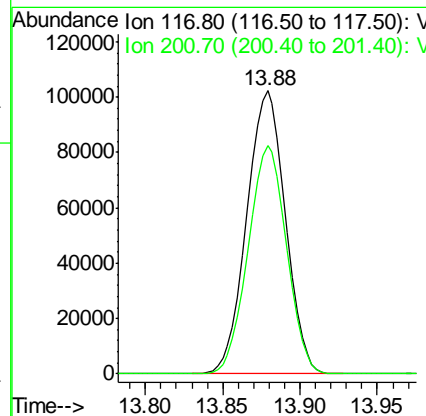
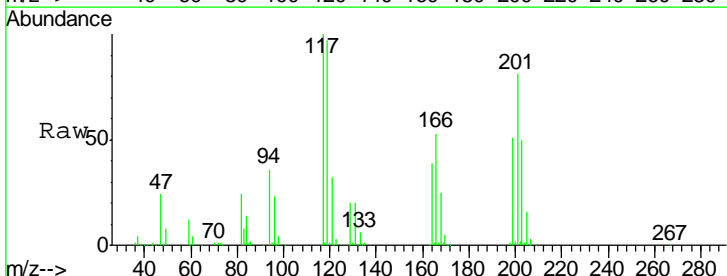
Tgt Ion	Resp	Lower	Upper
91	100		
92	51.8	26.3	78.9
134	25.6	13.5	40.4

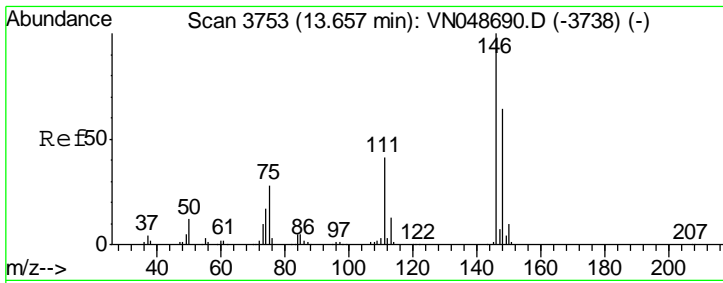
Manual Integrations
APPROVED
 MMDadoda
 5/31/2018 3:07:10 PM



#90
 Hexachloroethane
 Concen: 45.36 ug/l
 RT: 13.88 min Scan# 3822
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

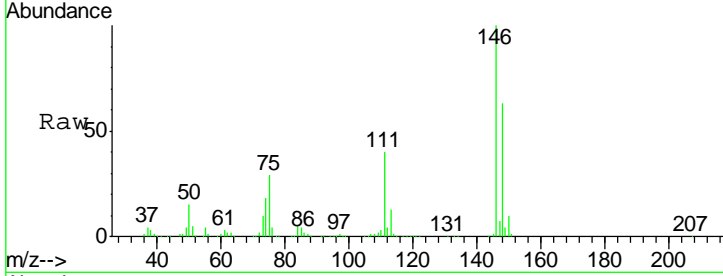
Tgt Ion	Resp	Lower	Upper
117	100		
201	80.2	44.6	134.0





#91
 1,2-Dichlorobenzene
 Concen: 49.99 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

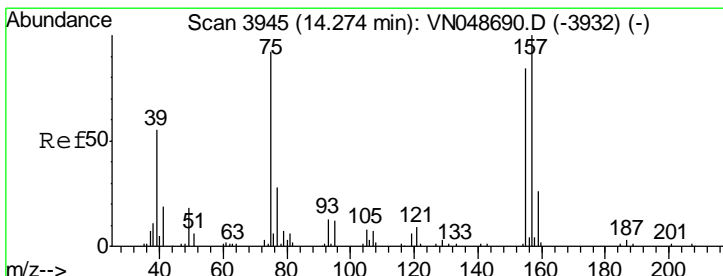
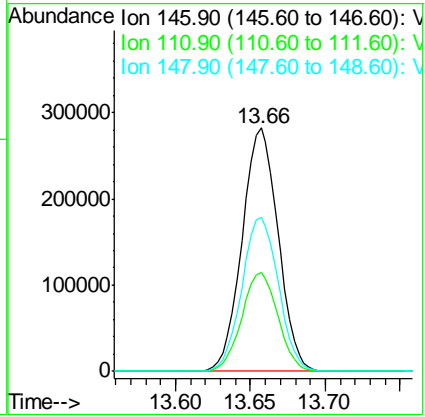
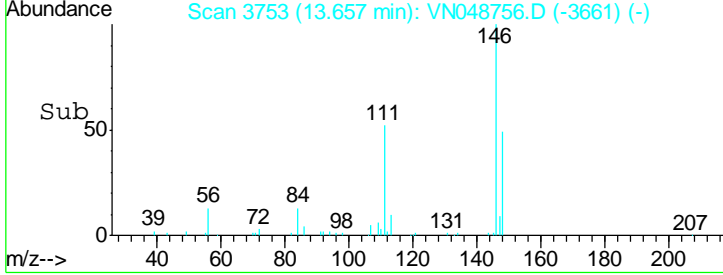
Instrument :
 MSVOA_N
 Client Sampled :
 936-MW-17(20.5)MSD



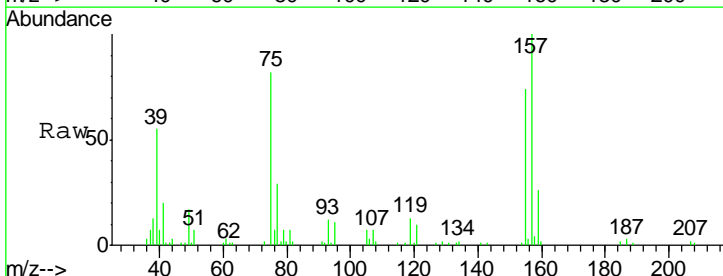
Tgt Ion: 146 Resp: 472726

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.6
148	64.1	32.0	96.0

Manual Integrations
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 MMDadoda
 5/31/2018 3:07:10 PM

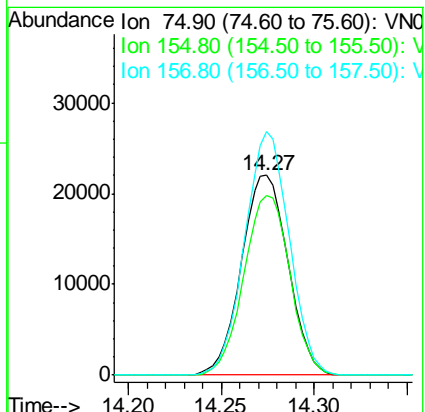
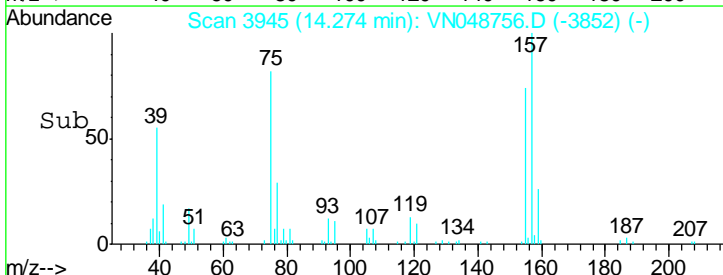


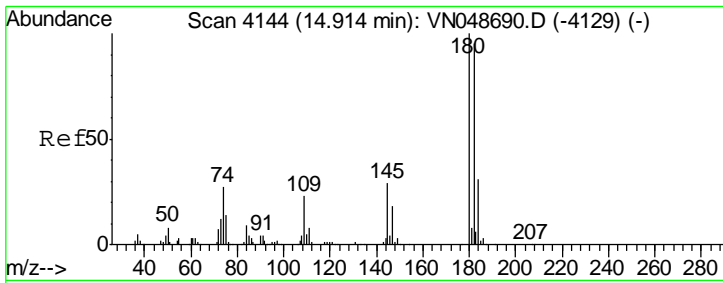
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.61 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion: 75 Resp: 38434

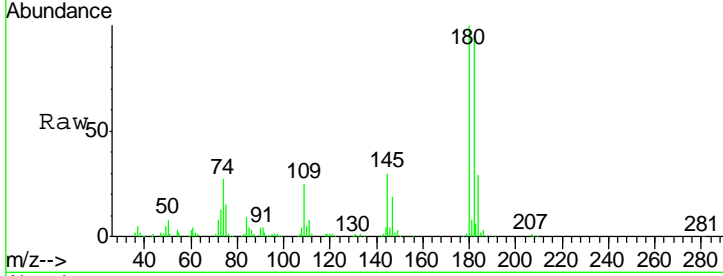
Ion	Ratio	Lower	Upper
75	100		
155	88.6	47.1	141.4
157	116.2	60.9	182.6





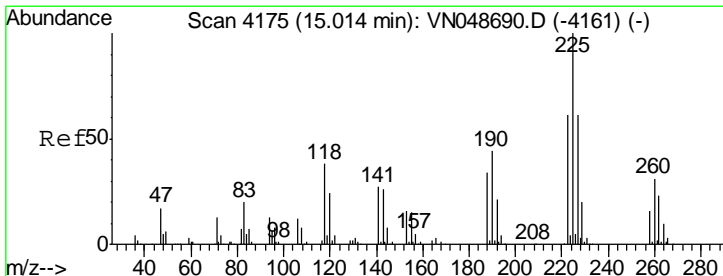
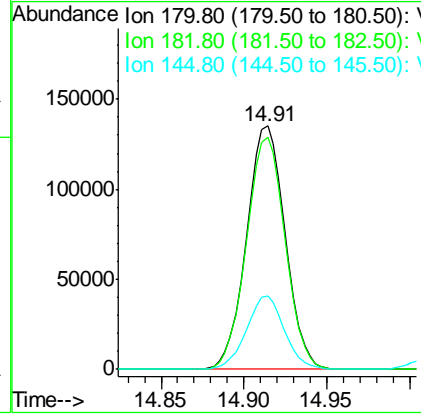
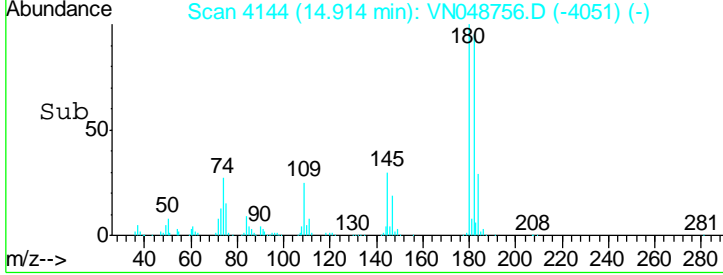
#93
 1,2,4-Trichlorobenzene
 Concen: 44.58 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

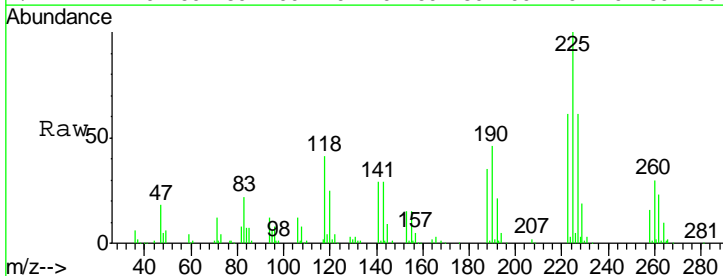


Tgt Ion	Resp	Lower	Upper
180	100		
182	95.7	47.9	143.8
145	29.6	14.6	43.8

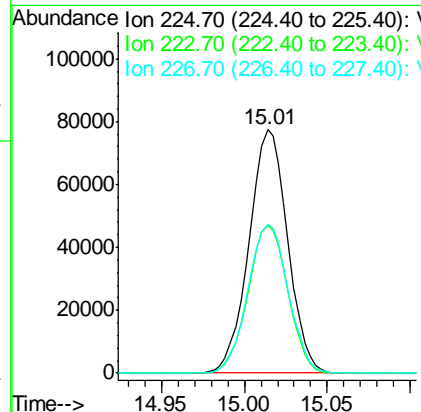
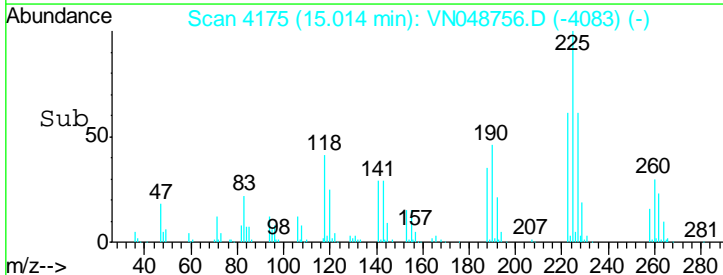
Manual Integrations APPROVED
 MMDadoda
 5/31/2018 3:07:10 PM

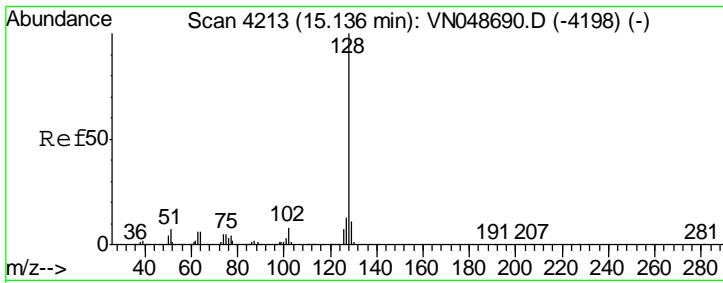


#94
 Hexachlorobutadiene
 Concen: 41.17 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52



Tgt Ion	Resp	Lower	Upper
225	100		
223	62.4	31.3	93.8
227	63.9	31.9	95.5





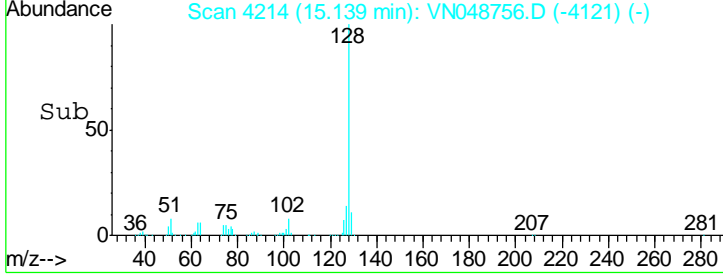
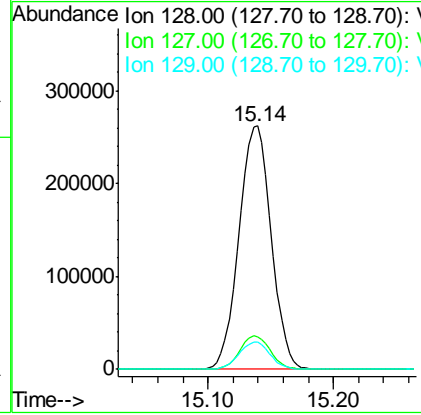
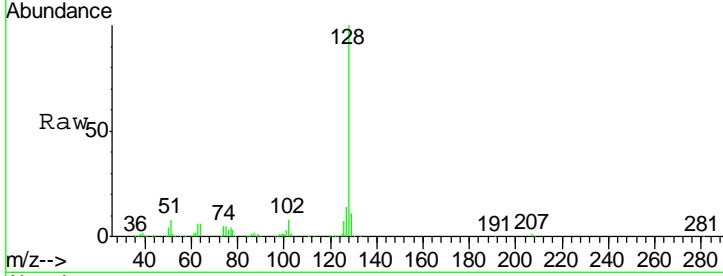
#95
 Naphthalene
 Concen: 43.62 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Instrument : MSVOA_N
 Client Sampled : 936-MW-17(20.5)MSD

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.8	8.7	13.1

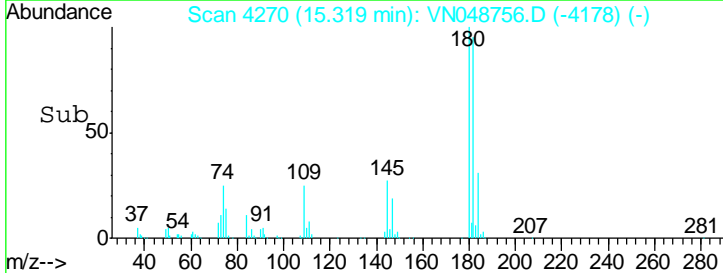
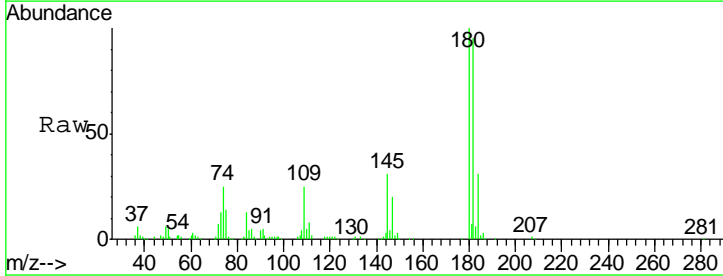
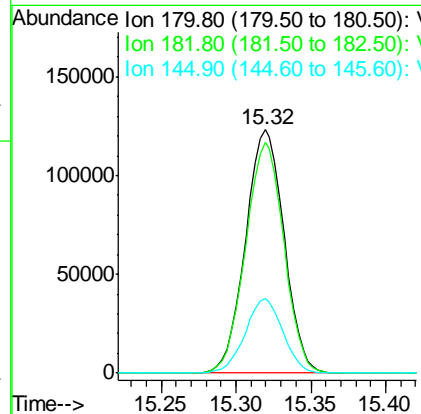
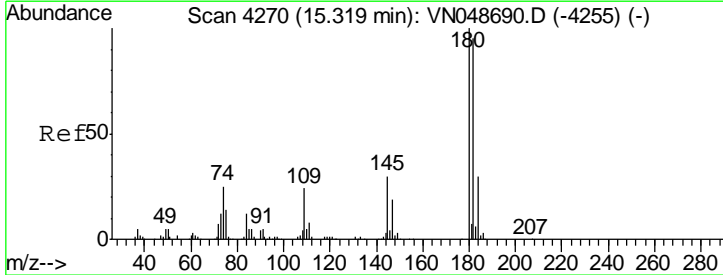
Manual Integrations
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 5/31/2018 3:07:10 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 46.10 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. -0.00 min
 Lab File: VN048756.D
 Acq: 30 May 2018 21:52

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.3	48.4	145.0
145	30.1	15.3	45.9



Manual Integration Report

Sequence:	VN052918	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN048687.D	1,2,3-Trichloropropane	john	5/30/2018 9:46:45 AM	MMDadoda	5/31/2018 11:12:33 AM	Peak Integrated by Software incorrectly
VSTDICC001	VN048687.D	1,2-Dichloroethane	john	5/30/2018 9:46:45 AM	MMDadoda	5/31/2018 11:12:33 AM	Peak Integrated by Software incorrectly
VSTDICC001	VN048687.D	1,4-Dichlorobenzene	john	5/30/2018 9:46:45 AM	MMDadoda	5/31/2018 11:12:33 AM	Peak Integrated by Software incorrectly
VSTDICC001	VN048687.D	Ethyl Acetate	john	5/30/2018 9:46:45 AM	MMDadoda	5/31/2018 11:12:33 AM	Peak Integrated by Software incorrectly
VSTDICC001	VN048687.D	Methylene Chloride	john	5/30/2018 9:46:45 AM	MMDadoda	5/31/2018 11:12:33 AM	Peak Integrated by Software incorrectly
VSTDICC005	VN048688.D	1,2,3-Trichloropropane	john	5/30/2018 9:46:49 AM	MMDadoda	5/31/2018 11:12:34 AM	Peak Integrated by Software incorrectly
VSTDICC020	VN048689.D	1,2,3-Trichloropropane	john	5/30/2018 9:46:58 AM	MMDadoda	5/31/2018 11:12:35 AM	Peak Integrated by Software incorrectly
VSTDICCC050	VN048690.D	1,2,3-Trichloropropane	john	5/30/2018 9:47:01 AM	MMDadoda	5/31/2018 11:12:36 AM	Peak Integrated by Software incorrectly
VSTDICC100	VN048691.D	1,2,3-Trichloropropane	john	5/30/2018 9:47:05 AM	MMDadoda	5/31/2018 11:12:37 AM	Peak Integrated by Software incorrectly
VSTDICC150	VN048692.D	1,2,3-Trichloropropane	john	5/30/2018 9:47:09 AM	MMDadoda	5/31/2018 11:12:38 AM	Peak Integrated by Software incorrectly
VSTDICV050	VN048693.D	1,2,3-Trichloropropane	MMDadoda	6/1/2018 10:43:20 AM	apatel	6/1/2018 11:15:37 AM	Peak Integrated by Software incorrectly
VSTDCCC050	VN048708.D	1,2,3-Trichloropropane	john	5/30/2018 9:47:37 AM	MMDadoda	5/31/2018 11:12:40 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	vn053018	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN048733.D	1,2,3-Trichloropropane	john	5/31/2018 9:34:40 AM	MMDadoda	5/31/2018 3:06:59 PM	Peak Integrated by Software incorrectly
VN0530WBS01	VN048740.D	1,2,3-Trichloropropane	john	5/31/2018 9:34:55 AM	MMDadoda	5/31/2018 3:07:03 PM	Peak Integrated by Software incorrectly
J3131-08	VN048754.D	Tetrachloroethene	john	5/31/2018 9:55:34 AM	MMDadoda	5/31/2018 3:07:05 PM	Peak Integrated by Software incorrectly
J3131-09MS	VN048755.D	1,2,3-Trichloropropane	john	5/31/2018 9:55:37 AM	MMDadoda	5/31/2018 3:07:08 PM	Peak Integrated by Software incorrectly
J3131-09MS	VN048755.D	Tetrachloroethene	john	5/31/2018 9:55:37 AM	MMDadoda	5/31/2018 3:07:08 PM	Peak Integrated by Software incorrectly
J3131-10MSD	VN048756.D	1,2,3-Trichloropropane	john	5/31/2018 9:55:41 AM	MMDadoda	5/31/2018 3:07:10 PM	Peak Integrated by Software incorrectly
J3131-10MSD	VN048756.D	Tetrachloroethene	john	5/31/2018 9:55:41 AM	MMDadoda	5/31/2018 3:07:10 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VN048758.D	1,2,3-Trichloropropane	john	5/31/2018 9:55:45 AM	MMDadoda	5/31/2018 3:07:10 PM	Peak Integrated by Software incorrectly
VN0530WBS02	VN048760.D	1,2,3-Trichloropropane	john	5/31/2018 9:55:49 AM	MMDadoda	5/31/2018 3:07:11 PM	Peak Integrated by Software incorrectly
J3131-06	VN048767.D	Tetrachloroethene	john	5/31/2018 9:55:57 AM	MMDadoda	5/31/2018 3:07:12 PM	Peak Integrated by Software incorrectly
J3131-07	VN048768.D	Tetrachloroethene	john	5/31/2018 9:56:00 AM	MMDadoda	5/31/2018 3:07:14 PM	Peak Integrated by Software incorrectly



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Manual Integration Report

Sequence:	VN053118	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN048784.D	1,2,3-Trichloropropane	john	5/31/2018 6:56:44 PM	MMDadoda	5/31/2018 6:55:30 PM	Peak Integrated by Software incorrectly
VN0531WBS01	VN048788.D	1,2,3-Trichloropropane	john	5/31/2018 6:55:10 PM	MMDadoda	5/31/2018 6:55:36 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VN048806.D	1,2,3-Trichloropropane	john	6/1/2018 2:43:31 PM	MMDadoda	6/1/2018 3:59:23 PM	Peak Integrated by Software incorrectly

Daily Analysis Runlog For Sequence/QC Batch ID # VN052918

Review By	MMDadoda	Review On	5/31/2018 10:21:15 AM		
SubDirectory	VN052918	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71451, VP71533				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71534,VP71535				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN048686.D	29 May 2018 9:57	MD\SY	Ok
2	VSTDIC001	VN048687.D	29 May 2018 10:48	MD\SY	Ok,M
3	VSTDIC005	VN048688.D	29 May 2018 11:14	MD\SY	Ok,M
4	VSTDIC020	VN048689.D	29 May 2018 11:39	MD\SY	Ok,M
5	VSTDIC050	VN048690.D	29 May 2018 12:05	MD\SY	Ok,M
6	VSTDIC100	VN048691.D	29 May 2018 12:31	MD\SY	Ok,M
7	VSTDIC150	VN048692.D	29 May 2018 12:56	MD\SY	Ok,M
8	VSTDICV050	VN048693.D	29 May 2018 13:43	MD\SY	Ok,M
9	VN0529WBL01	VN048694.D	29 May 2018 15:00	MD\SY	Ok
10	VN0529WBS01	VN048695.D	29 May 2018 15:54	MD\SY	Ok,M
11	J3141-01	VN048696.D	29 May 2018 16:20	MD\SY	Ok
12	J3141-02	VN048697.D	29 May 2018 16:46	MD\SY	Ok
13	J3141-03	VN048698.D	29 May 2018 17:11	MD\SY	Ok
14	J3141-04	VN048699.D	29 May 2018 17:37	MD\SY	Ok
15	J3176-01	VN048700.D	29 May 2018 18:03	MD\SY	Ok,M
16	J3176-02	VN048701.D	29 May 2018 18:29	MD\SY	Dilution
17	J3176-03	VN048702.D	29 May 2018 18:55	MD\SY	Ok
18	J3176-04	VN048703.D	29 May 2018 19:20	MD\SY	Ok
19	J3176-05	VN048704.D	29 May 2018 19:46	MD\SY	Ok
20	J3176-06	VN048705.D	29 May 2018 20:12	MD\SY	Ok
21	VN0529WBSD01	VN048706.D	29 May 2018 20:38	MD\SY	Ok,M
22	BFB	VN048707.D	29 May 2018 21:04	MD\SY	Ok
23	VSTDCCC050	VN048708.D	29 May 2018 21:55	MD\SY	Ok,M
24	VN0529WBL02	VN048709.D	29 May 2018 22:47	MD\SY	Ok
25	VN0529WBS02	VN048710.D	29 May 2018 23:12	MD\SY	Ok,M
26	VN0529WBSD02	VN048711.D	29 May 2018 23:38	MD\SY	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN052918

Review By	MMDadoda	Review On	5/31/2018 10:21:15 AM		
SubDirectory	VN052918	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71451, VP71533				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71534,VP71535				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				

27	J3178-18	VN048712.D	30 May 2018 00:04	MD\SY	Ok
28	J3178-16	VN048713.D	30 May 2018 00:30	MD\SY	Ok
29	J3178-15	VN048714.D	30 May 2018 00:55	MD\SY	Ok,M
30	J3157-04	VN048715.D	30 May 2018 1:21	MD\SY	Ok
31	J3177-04	VN048716.D	30 May 2018 1:47	MD\SY	Ok
32	J3174-04	VN048717.D	30 May 2018 2:13	MD\SY	Ok
33	J3174-02	VN048718.D	30 May 2018 2:38	MD\SY	Ok
34	J3166-02	VN048719.D	30 May 2018 3:04	MD\SY	Ok
35	J3177-08	VN048720.D	30 May 2018 3:30	MD\SY	Ok,M
36	J3157-02	VN048721.D	30 May 2018 3:55	MD\SY	Ok
37	J3138-02	VN048722.D	30 May 2018 4:21	MD\SY	Ok
38	J3178-17	VN048723.D	30 May 2018 4:47	MD\SY	Ok
39	J3164-01	VN048724.D	30 May 2018 5:13	MD\SY	Not Ok
40	J3164-02	VN048725.D	30 May 2018 5:38	MD\SY	Not Ok
41	J3164-03	VN048726.D	30 May 2018 6:04	MD\SY	Not Ok
42	J3164-04	VN048727.D	30 May 2018 6:30	MD\SY	Not Ok
43	J3164-05	VN048728.D	30 May 2018 6:56	MD\SY	Not Ok
44	J3164-20	VN048729.D	30 May 2018 7:21	MD\SY	Not Ok
45	PB109723ZHE#10	VN048730.D	30 May 2018 7:47	MD\SY	Ok
46	PB109723ZHE#09	VN048731.D	30 May 2018 8:13	MD\SY	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN053018

Review By	MMDadoda	Review On	5/31/2018 2:56:00 PM		
SubDirectory	VN053018	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71504,VP71506				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71505,VP71507				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN048732.D	30 May 2018 10:20	MD\SY	Ok
2	VSTDCCC050	VN048733.D	30 May 2018 11:00	MD\SY	Ok,M
3	VN0530WBL01	VN048734.D	30 May 2018 11:54	MD\SY	Ok
4	VN0530MBL01	VN048735.D	30 May 2018 12:32	MD\SY	Ok
5	J3041-07DL	VN048736.D	30 May 2018 13:15	MD\SY	Ok,M
6	J3041-10	VN048737.D	30 May 2018 13:41	MD\SY	Ok
7	J3157-01ME	VN048738.D	30 May 2018 14:07	MD\SY	Ok,M
8	VN0530MBS01	VN048739.D	30 May 2018 14:32	MD\SY	Ok,M
9	VN0530WBS01	VN048740.D	30 May 2018 15:00	MD\SY	Ok,M
10	J3131-01	VN048741.D	30 May 2018 15:25	MD\SY	Ok
11	J3131-03	VN048742.D	30 May 2018 15:51	MD\SY	Ok
12	J3131-11	VN048743.D	30 May 2018 16:17	MD\SY	Dilution
13	VN0530WBSD01	VN048744.D	30 May 2018 16:43	MD\SY	Ok,M
14	J3176-02DL	VN048745.D	30 May 2018 17:09	MD\SY	Ok
15	J3176-08	VN048746.D	30 May 2018 17:34	MD\SY	Ok
16	J3176-09	VN048747.D	30 May 2018 18:00	MD\SY	Ok
17	J3176-10	VN048748.D	30 May 2018 18:26	MD\SY	Ok
18	J3176-07	VN048749.D	30 May 2018 18:52	MD\SY	Ok
19	J3131-13	VN048750.D	30 May 2018 19:17	MD\SY	Ok
20	J3131-12	VN048751.D	30 May 2018 19:43	MD\SY	ReRun
21	J3131-02	VN048752.D	30 May 2018 20:09	MD\SY	Dilution
22	J3131-04	VN048753.D	30 May 2018 20:35	MD\SY	Dilution
23	J3131-08	VN048754.D	30 May 2018 21:01	MD\SY	Dilution
24	J3131-09MS	VN048755.D	30 May 2018 21:26	MD\SY	Ok,M
25	J3131-10MSD	VN048756.D	30 May 2018 21:52	MD\SY	Ok,M
26	BFB	VN048757.D	30 May 2018 22:18	MD\SY	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN053018

Review By	MMDadoda	Review On	5/31/2018 2:56:00 PM		
SubDirectory	VN053018	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71504,VP71506				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71505,VP71507				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				

27	VSTDCCC050	VN048758.D	30 May 2018 23:09	MD\SY	Ok,M
28	VN0530WBL02	VN048759.D	31 May 2018 00:01	MD\SY	Ok
29	VN0530WBS02	VN048760.D	31 May 2018 00:26	MD\SY	Ok,M
30	VN0530WBSD02	VN048761.D	31 May 2018 00:52	MD\SY	Ok,M
31	PB109768ZHE#13	VN048762.D	31 May 2018 1:18	MD\SY	Ok
32	PB109768ZHE#11	VN048763.D	31 May 2018 1:43	MD\SY	Ok
33	PB109768ZHE#14	VN048764.D	31 May 2018 2:09	MD\SY	Ok
34	PB109768ZHE#12	VN048765.D	31 May 2018 2:35	MD\SY	Ok
35	J3131-05	VN048766.D	31 May 2018 3:01	MD\SY	Dilution
36	J3131-06	VN048767.D	31 May 2018 3:26	MD\SY	Dilution
37	J3131-07	VN048768.D	31 May 2018 3:52	MD\SY	Dilution
38	J3188-02	VN048769.D	31 May 2018 4:18	MD\SY	ReRun
39	J3191-03	VN048770.D	31 May 2018 4:44	MD\SY	Not Ok
40	J3197-04	VN048771.D	31 May 2018 5:09	MD\SY	Not Ok
41	J3197-08	VN048772.D	31 May 2018 5:35	MD\SY	Not Ok
42	J3181-01	VN048773.D	31 May 2018 6:01	MD\SY	ReRun
43	J3181-02	VN048774.D	31 May 2018 6:26	MD\SY	ReRun
44	J3181-03	VN048775.D	31 May 2018 6:52	MD\SY	ReRun
45	J3181-04	VN048776.D	31 May 2018 7:18	MD\SY	ReRun
46	J3187-01	VN048777.D	31 May 2018 7:44	MD\SY	ReRun
47	J3187-02	VN048778.D	31 May 2018 8:09	MD\SY	ReRun
48	J3187-03	VN048779.D	31 May 2018 8:35	MD\SY	ReRun
49	J3187-04	VN048780.D	31 May 2018 9:01	MD\SY	ReRun
50	J3187-05	VN048781.D	31 May 2018 9:27	MD\SY	ReRun
51	J3187-06	VN048782.D	31 May 2018 9:52	MD\SY	ReRun

Daily Analysis Runlog For Sequence/QC Batch ID # VN053118

Review By	MMDadoda	Review On	5/31/2018 6:55:19 PM		
SubDirectory	VN053118	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71547,VP71549				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71548,VP71550				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN048783.D	31 May 2018 10:29	MD\SY	Ok
2	VSTDCCC050	VN048784.D	31 May 2018 11:11	MD\SY	Ok,M
3	VN0531WBL01	VN048785.D	31 May 2018 11:54	MD\SY	Ok
4	J3039-05RE	VN048786.D	31 May 2018 12:37	MD\SY	Confirms
5	J3220-05	VN048787.D	31 May 2018 13:19	MD\SY	Ok
6	VN0531WBS01	VN048788.D	31 May 2018 13:45	MD\SY	Ok,M
7	J3131-12	VN048789.D	31 May 2018 14:10	MD\SY	Ok
8	J3131-05DL	VN048790.D	31 May 2018 14:36	MD\SY	Ok
9	J3131-06DL	VN048791.D	31 May 2018 15:02	MD\SY	Ok
10	J3131-07DL	VN048792.D	31 May 2018 15:28	MD\SY	Ok
11	J3131-04DL	VN048793.D	31 May 2018 15:54	MD\SY	Ok
12	J3131-08DL	VN048794.D	31 May 2018 16:20	MD\SY	Ok
13	J3131-02DL	VN048795.D	31 May 2018 16:45	MD\SY	Ok
14	J3131-11DL	VN048796.D	31 May 2018 17:11	MD\SY	Ok
15	J3139-03DL	VN048797.D	31 May 2018 17:37	MD\SY	Ok
16	VN0531WBSD01	VN048798.D	31 May 2018 18:03	MD\SY	Ok,M
17	J3219-04	VN048799.D	31 May 2018 18:28	MD\SY	Ok
18	J3217-15	VN048800.D	31 May 2018 18:54	MD\SY	Ok,M
19	J3217-11	VN048801.D	31 May 2018 19:20	MD\SY	Ok
20	J3203-03	VN048802.D	31 May 2018 19:46	MD\SY	Ok
21	J3202-04	VN048803.D	31 May 2018 20:11	MD\SY	Ok
22	J3203-06	VN048804.D	31 May 2018 20:37	MD\SY	Ok
23	BFB	VN048805.D	31 May 2018 21:29	MD\SY	Ok
24	VSTDCCC050	VN048806.D	31 May 2018 21:54	MD\SY	Ok,M
25	VN0531WBL02	VN048807.D	31 May 2018 22:46	MD\SY	Ok
26	VN0531WBS02	VN048808.D	31 May 2018 23:11	MD\SY	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN053118

Review By	MMDadoda	Review On	5/31/2018 6:55:19 PM		
SubDirectory	VN053118	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71547,VP71549				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71548,VP71550				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				

27	VN0531WBSD02	VN048809.D	31 May 2018 23:37	MD\SY	Ok,M
28	PB109809TB	VN048810.D	1 Jun 2018 00:02	MD\SY	Ok
29	PB109809ZHE#02	VN048811.D	1 Jun 2018 00:28	MD\SY	Ok
30	PB109809ZHE#03	VN048812.D	1 Jun 2018 00:54	MD\SY	Ok
31	PB109809ZHE#04	VN048813.D	1 Jun 2018 1:20	MD\SY	Ok
32	PB109809ZHE#05	VN048814.D	1 Jun 2018 1:45	MD\SY	Ok
33	PB109809ZHE#06	VN048815.D	1 Jun 2018 2:11	MD\SY	Ok
34	PB109809ZHE#07	VN048816.D	1 Jun 2018 2:37	MD\SY	Ok
35	PB109809ZHE#08	VN048817.D	1 Jun 2018 3:02	MD\SY	Ok
36	PB109809ZHE#09	VN048818.D	1 Jun 2018 3:28	MD\SY	Ok
37	PB109809ZHE#10	VN048819.D	1 Jun 2018 3:54	MD\SY	Ok
38	PB109809ZHE#11	VN048820.D	1 Jun 2018 4:19	MD\SY	Ok
39	PB109809ZHE#12	VN048821.D	1 Jun 2018 4:45	MD\SY	Ok
40	PB109809ZHE#13	VN048822.D	1 Jun 2018 5:11	MD\SY	Ok
41	J2678-06	VN048823.D	1 Jun 2018 5:36	MD\SY	ReRun
42	J2669-12	VN048824.D	1 Jun 2018 6:02	MD\SY	ReRun
43	J3217-04	VN048825.D	1 Jun 2018 6:28	MD\SY	ReRun
44	J3217-07	VN048826.D	1 Jun 2018 6:53	MD\SY	ReRun
45	J3218-04	VN048827.D	1 Jun 2018 7:19	MD\SY	ReRun
46	J3218-08	VN048828.D	1 Jun 2018 7:45	MD\SY	ReRun

Daily Analysis Runlog For Sequence/QC Batch ID # VN052918

Review By	MMDadoda	Review On	5/31/2018 10:21:15 AM		
SubDirectory	VN052918	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71451, VP71533				
Initial Calibration Stds	VP71452, VP71453, VP71454, VP71455, VP71456, VP71457				
CCC	VP71534, VP71535				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				
Sr#	SampleID	ClientID	Data File Name	Comment	Status
1	BFB	BFB	VN048686.D		Ok
2	VSTDIC001	VSTDIC001	VN048687.D		Ok,M
3	VSTDIC005	VSTDIC005	VN048688.D	Method pass for DOD	Ok,M
4	VSTDIC020	VSTDIC020	VN048689.D	L.R. Used Comp#2,3,13,16,18,28,31,49,56,58,93,95,96	Ok,M
5	VSTDIC050	VSTDIC050	VN048690.D		Ok,M
6	VSTDIC100	VSTDIC100	VN048691.D		Ok,M
7	VSTDIC150	VSTDIC150	VN048692.D		Ok,M
8	VSTDICV050	ICVVN052918	VN048693.D		Ok,M
9	VN0529WBL01	VN0529WBL01	VN048694.D		Ok
10	VN0529WBS01	VN0529WBS01	VN048695.D		Ok,M
11	J3141-01	STORAGEBLANK-SOILRE	VN048696.D	vial A pH<2	Ok
12	J3141-02	STORAGEBLANK-WATER	VN048697.D	vial A pH<2	Ok
13	J3141-03	STORAGEBLANK-WATER	VN048698.D	vial A pH<2	Ok
14	J3141-04	STORAGEBLANK-SAMPL	VN048699.D	vial A pH<2	Ok
15	J3176-01	MW-1R	VN048700.D	vial A pH<2	Ok,M
16	J3176-02	MW-2	VN048701.D	Need 5x vial A pH<2	Dilution
17	J3176-03	MW-3	VN048702.D	vial A pH<2	Ok
18	J3176-04	MW-4	VN048703.D	vial A pH<2	Ok
19	J3176-05	MW-5	VN048704.D	vial A pH<2	Ok
20	J3176-06	MW-6	VN048705.D	vial A pH<2	Ok
21	VN0529WBSD01	VN0529WBSD01	VN048706.D		Ok,M
22	BFB	BFB	VN048707.D		Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN052918

Review By	MMDadoda	Review On	5/31/2018 10:21:15 AM		
SubDirectory	VN052918	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71451, VP71533				
Initial Calibration Stds	VP71452, VP71453, VP71454, VP71455, VP71456, VP71457				
CCC	VP71534, VP71535				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				
23	VSTDCCC050	VSTDCCC050	VN048708.D		Ok,M
24	VN0529WBL02	VN0529WBL02	VN048709.D		Ok
25	VN0529WBS02	VN0529WBS02	VN048710.D		Ok,M
26	VN0529WBSD02	VN0529WBSD02	VN048711.D		Ok,M
27	J3178-18	WC-10	VN048712.D	vial A	Ok
28	J3178-16	WC-3	VN048713.D	vial A	Ok
29	J3178-15	WC-1	VN048714.D	vial A	Ok,M
30	J3157-04	10-20-68-20-54-20	VN048715.D	vial A	Ok
31	J3177-04	TP-1-S	VN048716.D	vial A	Ok
32	J3174-04	D2	VN048717.D	vial A	Ok
33	J3174-02	D1	VN048718.D	vial A	Ok
34	J3166-02	SA-01-052518	VN048719.D	vial A	Ok
35	J3177-08	TP-1-D	VN048720.D	vial A	Ok,M
36	J3157-02	153-117-20-161-20	VN048721.D	vial A	Ok
37	J3138-02	HP-SOIL	VN048722.D	vial A	Ok
38	J3178-17	WC-9	VN048723.D	vial A	Ok
39	J3164-01	T11-DP-25-5.5-6.0-052418	VN048724.D	Sample on hold vial A	Not Ok
40	J3164-02	T11-DP-26-5.5-6.0-052418	VN048725.D	Sample on hold vial A	Not Ok
41	J3164-03	T11-DP-27-5.5-6.0-052418	VN048726.D	Sample on hold vial A	Not Ok
42	J3164-04	T11-DP-28-5.5-6.0-052418	VN048727.D	vial A Run in soil.	Not Ok
43	J3164-05	T11-DP-29-5.5-6.0-052418	VN048728.D	vial A Sample on hold vial A	Not Ok
44	J3164-20	TP-DP-30-6.5--7.0-052418	VN048729.D	vial A Sample on hold vial A	Not Ok
45	PB109723ZHE#10	PB109723ZHE#10	VN048730.D		Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN052918

Review By	MMDadoda	Review On	5/31/2018 10:21:15 AM		
SubDirectory	VN052918	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71451, VP71533				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71534,VP71535				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				
46	PB109723ZHE#09	PB109723ZHE#09	VN048731.D		Ok

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Daily Analysis Runlog For Sequence/QC Batch ID # VN053018

Review By	MMDadoda	Review On	5/31/2018 2:56:00 PM		
SubDirectory	VN053018	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71504,VP71506				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71505,VP71507				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				
Sr#	SampleID	ClientID	Data File Name	Comment	Status
1	BFB	BFB	VN048732.D		Ok
2	VSTDCCC050	VSTDCCC050	VN048733.D		Ok,M
3	VN0530WBL01	VN0530WBL01	VN048734.D		Ok
4	VN0530MBL01	VN0530MBL01	VN048735.D		Ok
5	J3041-07DL	T1-3-SWNN-9.5-10DL	VN048736.D	Check dilution factor	Ok,M
6	J3041-10	T1-3-P1PE2-2.0-2.5	VN048737.D		Ok
7	J3157-01ME	153-117-20-161-20ME	VN048738.D		Ok,M
8	VN0530MBS01	VN0530MBS01	VN048739.D		Ok,M
9	VN0530WBS01	VN0530WBS01	VN048740.D		Ok,M
10	J3131-01	929-MW-01(18)	VN048741.D	vial A pH<2	Ok
11	J3131-03	931-MW-03A(17)	VN048742.D	vial A pH<2	Ok
12	J3131-11	937-MW-17(24)	VN048743.D	Need 100x vial A pH<2	Dilution
13	VN0530WBSD01	VN0530WBSD01	VN048744.D		Ok,M
14	J3176-02DL	MW-2DL	VN048745.D		Ok
15	J3176-08	FB052218	VN048746.D	vial A pH<2	Ok
16	J3176-09	FB052318	VN048747.D	vial A pH<2	Ok
17	J3176-10	TB052318	VN048748.D	vial A pH<2	Ok
18	J3176-07	MW-7	VN048749.D	vial A pH<2	Ok
19	J3131-13	939-TB052218	VN048750.D	vial A pH<2	Ok
20	J3131-12	938-FB052218	VN048751.D	Internal std. fail vial B pH<2	ReRun
21	J3131-02	930-MW-01(23)	VN048752.D	Need 20X vial A pH<2	Dilution
22	J3131-04	932-MW-03A(22)	VN048753.D	Need 10X VIAL A pH<2	Dilution

Daily Analysis Runlog For Sequence/QC Batch ID # VN053018

Review By	MMDadoda	Review On	5/31/2018 2:56:00 PM		
SubDirectory	VN053018	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71504,VP71506				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71505,VP71507				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				
23	J3131-08	936-MW-17(20.5)	VN048754.D	Need 200X vial A pH<2	Dilution
24	J3131-09MS	936-MW-17(20.5)MS	VN048755.D	vial A pH<2	Ok,M
25	J3131-10MSD	936-MW-17(20.5)MSD	VN048756.D	vial A pH<2	Ok,M
26	BFB	BFB	VN048757.D		Ok
27	VSTDCCC050	VSTDCCC050	VN048758.D		Ok,M
28	VN0530WBL02	VN0530WBL02	VN048759.D	(Tetrachloroethene-2.3ppb)	Ok
29	VN0530WBS02	VN0530WBS02	VN048760.D		Ok,M
30	VN0530WBSD02	VN0530WBSD02	VN048761.D		Ok,M
31	PB109768ZHE#13	PB109768ZHE#13	VN048762.D		Ok
32	PB109768ZHE#11	PB109768ZHE#11	VN048763.D		Ok
33	PB109768ZHE#14	PB109768ZHE#14	VN048764.D		Ok
34	PB109768ZHE#12	PB109768ZHE#12	VN048765.D		Ok
35	J3131-05	933-MW-03A(28)	VN048766.D	Need 10x vial A pH<2	Dilution
36	J3131-06	934-MW-17(14)	VN048767.D	Need 100x vial A pH<2	Dilution
37	J3131-07	935-MW-17(17)	VN048768.D	Need 100x vial A pH<2	Dilution
38	J3188-02	ES-CONCRETE	VN048769.D	E flag in previous sample Vial A	ReRun
39	J3191-03	BRICKWALL-DRUM	VN048770.D	Confirm concentration vial B	Not Ok
40	J3197-04	TP-2-S	VN048771.D	mb contaminated	Not Ok
41	J3197-08	TP-2-D	VN048772.D	mb contaminated ,vial A	Not Ok
42	J3181-01	TRIP-BLANK	VN048773.D	Internal std. fail vial B pH<2	ReRun
43	J3181-02	FIELD-BLANK	VN048774.D	Internal std. fail vial B pH<2	ReRun
44	J3181-03	MW-13	VN048775.D	Internal std. fail vial B pH<2	ReRun
45	J3181-04	MW-12	VN048776.D	Internal std. fail vial B pH<2	ReRun

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN053018

Review By	MMDadoda	Review On	5/31/2018 2:56:00 PM		
SubDirectory	VN053018	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71504,VP71506				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71505,VP71507				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				
46	J3187-01	MW-4	VN048777.D	Internal std. fail vial A pH<2	ReRun
47	J3187-02	MW-6	VN048778.D	Internal std. fail vial A pH<2	ReRun
48	J3187-03	MW-7	VN048779.D	Internal std. fail vial A pH<2	ReRun
49	J3187-04	MW-8	VN048780.D	mb contaminated	ReRun
50	J3187-05	MW-10	VN048781.D	Internal std. fail vial A pH<2	ReRun
51	J3187-06	MW-11	VN048782.D	Internal std. fail vial A pH<2	ReRun

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN053118

Review By	MMDadoda	Review On	5/31/2018 6:55:19 PM		
SubDirectory	VN053118	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71547,VP71549				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71548,VP71550				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				
Sr#	SampleID	ClientID	Data File Name	Comment	Status
1	BFB	BFB	VN048783.D		Ok
2	VSTDCCC050	VSTDCCC050	VN048784.D		Ok,M
3	VN0531WBL01	VN0531WBL01	VN048785.D		Ok
4	J3039-05RE	MW-03RE	VN048786.D	vial A pH<2	Confirms
5	J3220-05	TRIP-BLANK	VN048787.D	vial B pH<2	Ok
6	VN0531WBS01	VN0531WBS01	VN048788.D		Ok,M
7	J3131-12	938-FB052218	VN048789.D	vial A pH<2	Ok
8	J3131-05DL	933-MW-03A(28)DL	VN048790.D		Ok
9	J3131-06DL	934-MW-17(14)DL	VN048791.D		Ok
10	J3131-07DL	935-MW-17(17)DL	VN048792.D	ISTD Fail	Ok
11	J3131-04DL	932-MW-03A(22)DL	VN048793.D	ISTD Fail	Ok
12	J3131-08DL	936-MW-17(20.5)DL	VN048794.D	ISTD Fail	Ok
13	J3131-02DL	930-MW-01(23)DL	VN048795.D		Ok
14	J3131-11DL	937-MW-17(24)DL	VN048796.D	ISTD Fail	Ok
15	J3139-03DL	BS-BASELINEWATERDL	VN048797.D		Ok
16	VN0531WBSD01	VN0531WBSD01	VN048798.D		Ok,M
17	J3219-04	TP-3	VN048799.D	vial A	Ok
18	J3217-15	SP-MANHOLE-TRENCH-2	VN048800.D	vial A	Ok,M
19	J3217-11	SP-MANHOLE-TRENCH-1	VN048801.D	vial A	Ok
20	J3203-03	TP-2-WC-1	VN048802.D	vial A	Ok
21	J3202-04	SP	VN048803.D		Ok
22	J3203-06	TP-4-WC-1	VN048804.D		Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN053118

Review By	MMDadoda	Review On	5/31/2018 6:55:19 PM		
SubDirectory	VN053118	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71547,VP71549				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71548,VP71550				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				
23	BFB	BFB	VN048805.D	Tune fail	Ok
24	VSTDCCC050	VSTDCCC050	VN048806.D		Ok,M
25	VN0531WBL02	VN0531WBL02	VN048807.D		Ok
26	VN0531WBS02	VN0531WBS02	VN048808.D		Ok,M
27	VN0531WBSD02	VN0531WBSD02	VN048809.D		Ok,M
28	PB109809TB	PB109809TB	VN048810.D	ISTD Fail	Ok
29	PB109809ZHE#02	PB109809ZHE#02	VN048811.D	ISTD Fail	Ok
30	PB109809ZHE#03	PB109809ZHE#03	VN048812.D	ISTD Fail	Ok
31	PB109809ZHE#04	PB109809ZHE#04	VN048813.D		Ok
32	PB109809ZHE#05	PB109809ZHE#05	VN048814.D	ISTD Fail	Ok
33	PB109809ZHE#06	PB109809ZHE#06	VN048815.D	ISTD Fail	Ok
34	PB109809ZHE#07	PB109809ZHE#07	VN048816.D	ISTD Fail	Ok
35	PB109809ZHE#08	PB109809ZHE#08	VN048817.D		Ok
36	PB109809ZHE#09	PB109809ZHE#09	VN048818.D	ISTD Fail	Ok
37	PB109809ZHE#10	PB109809ZHE#10	VN048819.D	ISTD Fail	Ok
38	PB109809ZHE#11	PB109809ZHE#11	VN048820.D	ISTD Fail	Ok
39	PB109809ZHE#12	PB109809ZHE#12	VN048821.D	ISTD Fail	Ok
40	PB109809ZHE#13	PB109809ZHE#13	VN048822.D	ISTD Fail	Ok
41	J2678-06	OK-01-053018	VN048823.D	Tune fail	ReRun
42	J2669-12	SU-03-053018	VN048824.D	Tune fail	ReRun
43	J3217-04	SP-01	VN048825.D	Tune fail	ReRun
44	J3217-07	DRUM-1	VN048826.D	Tune fail	ReRun
45	J3218-04	OUTSIDE-WELL-SP	VN048827.D	Tune fail	ReRun

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN053118

Review By	MMDadoda	Review On	5/31/2018 6:55:19 PM		
SubDirectory	VN053118	HP Acquire Method	MOONMOON	HP Processing Method	82N052918
STD. NAME	STD REF.#				
Tune/Reschk	VP71547,VP71549				
Initial Calibration Stds	VP71452,VP71453,VP71454,VP71455,VP71456,VP71457				
CCC	VP71548,VP71550				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP71458				
46	J3218-08	INSIDE-WELL-SP	VN048828.D	Tune fail	ReRun

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Prep Standard - Chemical Standard Summary

Order ID : J3131
Test : VOC-TCLVOA-10
Prepbatch ID :
Sequence ID/Qc Batch ID: vn053018,VN053118,

Standard ID :

VP67446,VP67447,VP67448,VP67450,VP67829,VP67831,VP68321,VP69002,VP69004,VP69007,VP69523,VP69553,VP69587,VP70772,VP70775,VP70777,VP71187,VP71189,VP71191,VP71452,VP71453,VP71454,VP71455,VP71456,VP71457,VP71458,VP71504,VP71505,VP71506,VP71507,VP71547,VP71548,VP71549,VP71550,

Chemical ID :

V1456,V5220,V6521,V6642,V6644,V7167,V7174,V7175,V7176,V7372,V7515,V7516,V7517,V7518,V7519,V7760,V7761,V7827,V7953,V8123,V8124,V8126,V8236,V8238,V8242,V8257,V8273,V8292,V8293,V8303,V8329,V8331,V8341,V8342,V8348,V8349,V8360,V8378,V8380,V8396,V8397,V8411,V8470,V8471,V8503,V8513,V8514,V8515,V8516,V8517,V8518,V8564

STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
719	8260 Working STD (BCM)-First source, 400PPM	VP67446	12/29/2017	06/29/2018	sam
<p>FROM 0.500ml of V7518 + 1.500ml of V7515 + 1.500ml of V7516 + 1.500ml of V7517 + 20.000ml of V7953 = Final Quantity: 25.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
252	8260 Working STD (BCM)-First source, 100PPM	VP67447	12/29/2017	06/29/2018	sam
<p>FROM 0.250ml of V7518 + 1.000ml of V7519 + 23.750ml of V7953 = Final Quantity: 25.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
253	8260 Working STD (BCM)-First source, 20PPM	VP67448	12/29/2017	06/29/2018	sam
<p>FROM 0.250ml of V7519 + 24.750ml of V7953 = Final Quantity: 25.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
617	8260 Surrogate, 400PPM	VP67450	12/29/2017	06/29/2018	sam
<p>FROM 0.800ml of V6642 + 49.020ml of V7953 = Final Quantity: 50.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
218	BFB, 25PPM	VP67829	01/23/2018	07/23/2018	sam
<p>FROM 0.500ml of V5220 + 49.500ml of V8242 = Final Quantity: 50.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
262	8260 Working STD (BCM)-Second source, 100PPM	VP67831	01/23/2018	07/23/2018	sam
<p>FROM 1.000ml of V7167 + 9.000ml of V8242 = Final Quantity: 10.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
249	8260 Surrogate, 100PPM	VP68321	02/13/2018	08/13/2018	sam
<p>FROM 0.200ml of V6644 + 49.800ml of V8236 = Final Quantity: 50.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1810	8260 Working Std(2-CVE)-800ppm	VP69002	03/13/2018	09/13/2018	sam
<p>FROM 1.000ml of V7176 + 1.500ml of V7174 + 1.500ml of V7175 + 46.000ml of V8378 = Final Quantity: 50.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1812	8260 Working Std(2-CVE)-100ppm	VP69004	03/13/2018	09/13/2018	sam
FROM 17.500ml of V8378 + 2.500ml of VP69002 = Final Quantity: 20.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP69007	03/08/2018	09/08/2018	sam
FROM 0.800ml of V8273 + 9.200ml of V8238 = Final Quantity: 10.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
247	8260 Internal Standard, 250PPM	VP69523	04/03/2018	10/03/2018	sam
FROM 0.250ml of V7372 + 24.750ml of V8380 = Final Quantity: 25.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
617	8260 Surrogate, 400PPM	VP69553	04/04/2018	10/04/2018	sam
FROM 0.400ml of V6644 + 24.600ml of V8360 = Final Quantity: 25.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1738	8260 surrogate 20 ppm	VP69587	04/04/2018	10/04/2018	sam
FROM 0.020ml of V6644 + 24.990ml of V8360 = Final Quantity: 25.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
263	8260 Working STD (Acrolein)-Second source, 800PPM	VP70772	05/08/2018	06/02/2018	sam
FROM 0.400ml of V8518 + 1.200ml of V8517 + 8.400ml of V8503 = Final Quantity: 10.000 ml					

STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP70775	05/08/2018	06/03/2018	sam
<p>FROM 0.400ml of V8516 + 1.200ml of V8513 + 1.200ml of V8514 + 1.200ml of V8515 + 21.000ml of V8503 = Final Quantity: 25.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
180	8260 Working STD (Acrolein)-First source, 100PPM	VP70777	05/08/2018	06/03/2018	sam
<p>FROM 8.750ml of V8503 + 1.250ml of VP70775 = Final Quantity: 10.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP71187	05/19/2018	06/25/2018	sam
<p>FROM 0.400ml of V8331 + 0.800ml of V8293 + 0.800ml of V8342 + 0.800ml of V8349 + 0.800ml of V8397 + 0.800ml of V8471 + 1.000ml of V8126 + 1.200ml of V8292 + 1.200ml of V8341 + 1.200ml of V8348 + 1.200ml of V8396 + 1.200ml of V8470 + 1.500ml of V8123 + 1.500ml of V8124 + 10.600ml of V8564 = Final Quantity: 25.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
245	8260 Calibration Working STD Mix-First source, 20PPM	VP71189	05/19/2018	06/25/2018	sam
<p>FROM 17.500ml of V8564 + 2.500ml of VP71187 = Final Quantity: 20.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP71191	05/19/2018	06/27/2018	sam
<p>FROM 0.160ml of V6521 + 0.800ml of V7760 + 0.800ml of V7761 + 0.800ml of V7827 + 0.800ml of V8257 + 0.800ml of V8303 + 0.800ml of V8329 + 0.800ml of V8411 + 4.240ml of V8564 = Final Quantity: 10.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
334	1 PPB ICC, 8260-Water	VP71452	05/29/2018	05/30/2018	john
<p>FROM 39.982ml of V1456 + 0.002ml of VP67448 + 0.002ml of VP69004 + 0.002ml of VP69587 + 0.002ml of VP70777 + 0.002ml of VP71189 + 0.008ml of VP69523 = Final Quantity: 40.000 ml</p>					

STANDARD PREPARATION LOG

RecipeID	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
335	5 PPB ICC, 8260-Water	VP71453	05/29/2018	05/30/2018	john
FROM 39.942ml of V1456 + 0.008ml of VP69523 + 0.010ml of VP67448 + 0.010ml of VP69004 + 0.010ml of VP69587 + 0.010ml of VP70777 + 0.010ml of VP71189 = Final Quantity: 40.000 ml					

RecipeID	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
337	20 PPB ICC, 8260-Water	VP71454	05/29/2018	05/30/2018	john
FROM 39.961ml of V1456 + 0.005ml of VP69002 + 0.005ml of VP70775 + 0.005ml of VP71187 + 0.008ml of VP67447 + 0.008ml of VP68321 + 0.008ml of VP69523 = Final Quantity: 40.000 ml					

STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
380	50 PPB ICC, 8260-Water	VP71455	05/29/2018	05/30/2018	john
<p>FROM 39.945ml of V1456 + 0.005ml of VP67446 + 0.005ml of VP69553 + 0.008ml of VP69523 + 0.013ml of VP69002 + 0.013ml of VP70775 + 0.013ml of VP71187 = Final Quantity: 40.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
381	100 PPB ICC, 8260-Water	VP71456	05/29/2018	05/30/2018	john
<p>FROM 39.897ml of V1456 + 0.008ml of VP69523 + 0.010ml of VP67446 + 0.010ml of VP69553 + 0.025ml of VP69002 + 0.025ml of VP70775 + 0.025ml of VP71187 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
382	150 PPB ICC, 8260-Water	VP71457	05/29/2018	05/30/2018	john
<p>FROM 39.850ml of V1456 + 0.008ml of VP69523 + 0.015ml of VP67446 + 0.015ml of VP69553 + 0.038ml of VP69002 + 0.038ml of VP70775 + 0.038ml of VP71187 = Final Quantity: 40.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
385	50 PPB ICV, 8260-Water	VP71458	05/29/2018	05/30/2018	john
<p>FROM 39.930ml of V1456 + 0.005ml of VP69553 + 0.008ml of VP69523 + 0.013ml of VP69007 + 0.013ml of VP70772 + 0.013ml of VP71191 + 0.020ml of VP67831 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
589	BFB TUNE CHECK	VP71504	05/30/2018	05/31/2018	john
<p>FROM 39.984ml of V1456 + 0.016ml of VP67829 = Final Quantity: 40.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
620	50 PPB CCC, 8260-Water	VP71505	05/30/2018	05/31/2018	john
<p>FROM 39.945ml of V1456 + 0.005ml of VP67446 + 0.005ml of VP69553 + 0.008ml of VP69523 + 0.013ml of VP69002 + 0.013ml of VP70775 + 0.013ml of VP71187 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
589	BFB TUNE CHECK	VP71506	05/30/2018	05/31/2018	john
<p>FROM 39.984ml of V1456 + 0.016ml of VP67829 = Final Quantity: 40.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
620	50 PPB CCC, 8260-Water	VP71507	05/30/2018	05/31/2018	john
<p>FROM 39.945ml of V1456 + 0.005ml of VP67446 + 0.005ml of VP69553 + 0.008ml of VP69523 + 0.013ml of VP69002 + 0.013ml of VP70775 + 0.013ml of VP71187 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
589	BFB TUNE CHECK	VP71547	05/31/2018	06/01/2018	john
FROM 39.984ml of V1456 + 0.016ml of VP67829 = Final Quantity: 40.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
620	50 PPB CCC, 8260-Water	VP71548	05/31/2018	06/01/2018	john
FROM 39.945ml of V1456 + 0.005ml of VP67446 + 0.005ml of VP67450 + 0.008ml of VP69523 + 0.013ml of VP69002 + 0.013ml of VP70775 + 0.013ml of VP71187 = Final Quantity: 40.000 ml					

STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
589	BFB TUNE CHECK	VP71549	05/31/2018	06/01/2018	john
<p>FROM 39.984ml of V1456 + 0.016ml of VP67829 = Final Quantity: 40.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
620	50 PPB CCC, 8260-Water	VP71550	05/31/2018	06/01/2018	john
<p>FROM 39.945ml of V1456 + 0.005ml of VP67446 + 0.005ml of VP67450 + 0.008ml of VP69523 + 0.013ml of VP69002 + 0.013ml of VP70775 + 0.013ml of VP71187 = Final Quantity: 40.000 ml</p>					

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Res-Kem General water	DIW / DI Water	DAILY	12/31/2019	03/01/2010 / apatel	03/02/2010 / apatel	V1456

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0102518	04/30/2019	08/03/2017 / sam	07/14/2014 / sam	V5220

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0115385	11/30/2018	01/24/2018 / sam	01/14/2016 / sam	V6521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0118140	03/31/2019	11/15/2017 / sam	03/21/2016 / sam	V6642

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0118140	03/31/2019	01/10/2018 / sam	03/21/2016 / sam	V6644

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	101416	10/14/2021	01/12/2018 / sam	11/16/2016 / Sam	V7167

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	03/13/2018 / sam	11/16/2016 / Sam	V7174

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	03/13/2018 / sam	11/16/2016 / Sam	V7175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	03/13/2018 / sam	11/16/2016 / Sam	V7176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0123929	01/31/2020	04/03/2018 / sam	01/06/2017 / Sam	V7372

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	12/29/2017 / sam	03/07/2017 / Sam	V7515

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	12/29/2017 / sam	03/07/2017 / Sam	V7516

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	12/29/2017 / sam	03/07/2017 / Sam	V7517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	12/29/2017 / sam	03/07/2017 / Sam	V7518

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	12/29/2017 / sam	03/07/2017 / Sam	V7519

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0124187	01/31/2020	02/26/2018 / sam	06/14/2017 / sam	V7760

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0124187	01/31/2020	02/26/2018 / sam	06/14/2017 / sam	V7761

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	041116	11/18/2018	05/18/2018 / sam	07/18/2017 / sam	V7827

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	12/29/2017 / sam	09/13/2017 / sam	V7953

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0125322	11/18/2018	05/18/2018 / sam	11/03/2017 / sam	V8123

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0125322	11/18/2018	05/18/2018 / sam	11/03/2017 / sam	V8124

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0125322	11/18/2018	05/18/2018 / sam	11/03/2017 / sam	V8126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	02/09/2018 / sam	01/03/2018 / sam	V8236

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	03/01/2018 / sam	01/03/2018 / sam	V8238

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	01/19/2018 / sam	01/03/2018 / sam	V8242

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0133981	07/31/2018	05/18/2018 / sam	01/16/2018 / sam	V8257

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	012218	01/22/2021	03/08/2018 / sam	01/23/2018 / sam	V8273

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0133860	11/18/2018	05/18/2018 / sam	01/26/2018 / sam	V8292

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0133860	11/18/2018	05/18/2018 / sam	01/26/2018 / sam	V8293

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0131442	11/18/2018	05/18/2018 / sam	01/26/2018 / sam	V8303

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0133976	07/31/2018	05/18/2018 / sam	02/27/2018 / sam	V8329

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0133055	12/31/2020	04/03/2018 / sam	02/27/2018 / sam	V8331

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0134860	08/31/2018	05/18/2018 / sam	02/27/2018 / sam	V8341

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0134860	08/31/2018	05/18/2018 / sam	02/27/2018 / sam	V8342

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0135430	08/31/2018	05/18/2018 / sam	02/27/2018 / sam	V8348

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0135430	08/31/2018	05/18/2018 / sam	02/27/2018 / sam	V8349

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	04/04/2018 / sam	02/28/2018 / sam	V8360

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	03/13/2018 / sam	02/28/2018 / sam	V8378

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	04/03/2018 / sam	02/28/2018 / sam	V8380

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	030918	11/18/2018	05/18/2018 / sam	03/13/2018 / sam	V8396

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	030918	11/18/2018	05/18/2018 / sam	03/13/2018 / sam	V8397

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	030818	11/18/2018	05/18/2018 / sam	03/13/2018 / sam	V8411

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	111516	11/18/2018	05/18/2018 / sam	04/10/2018 / sam	V8470

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	111516	11/18/2018	05/18/2018 / sam	04/10/2018 / sam	V8471

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	11/08/2018	05/08/2018 / sam	04/19/2018 / sam	V8503

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	050318	06/03/2018	05/08/2018 / sam	05/04/2018 / sam	V8513

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	050318	06/03/2018	05/08/2018 / sam	05/04/2018 / sam	V8514

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	050318	06/03/2018	05/08/2018 / sam	05/04/2018 / sam	V8515

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	050318	06/03/2018	05/08/2018 / sam	05/04/2018 / sam	V8516

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	050218	06/02/2018	05/08/2018 / sam	05/04/2018 / sam	V8517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	050218	06/02/2018	05/08/2018 / sam	05/04/2018 / sam	V8518

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	178208	11/18/2018	05/18/2018 / sam	05/16/2018 / sam	V8564



CERTIFIED WEIGHT REPORT

Part Number: 91980 **Solvent(s):** Water **Lot#** 020618Q
Lot Number: 050218
Description: Acrolein

Expiration Date: 060218
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 2684186 **5E-05 Balance Uncertainty**

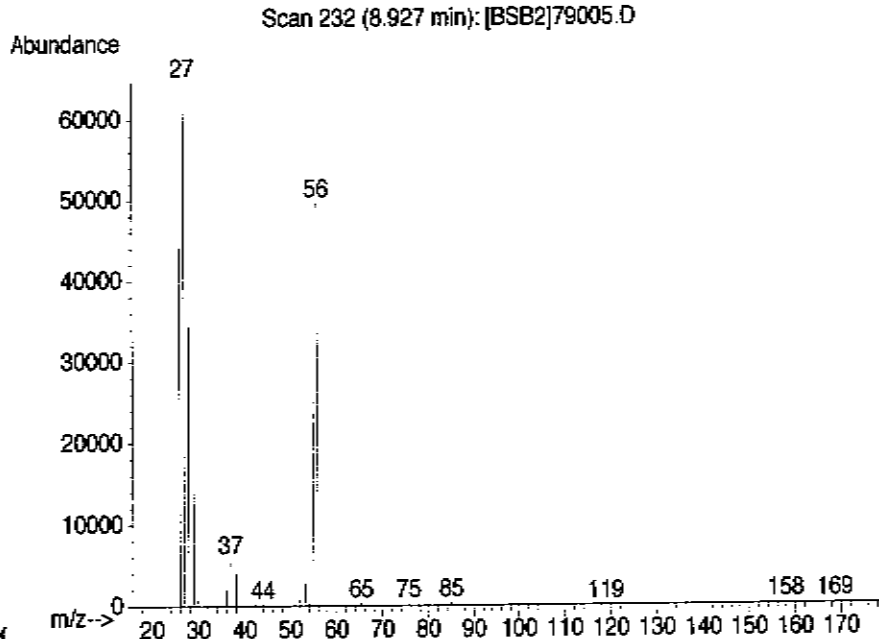
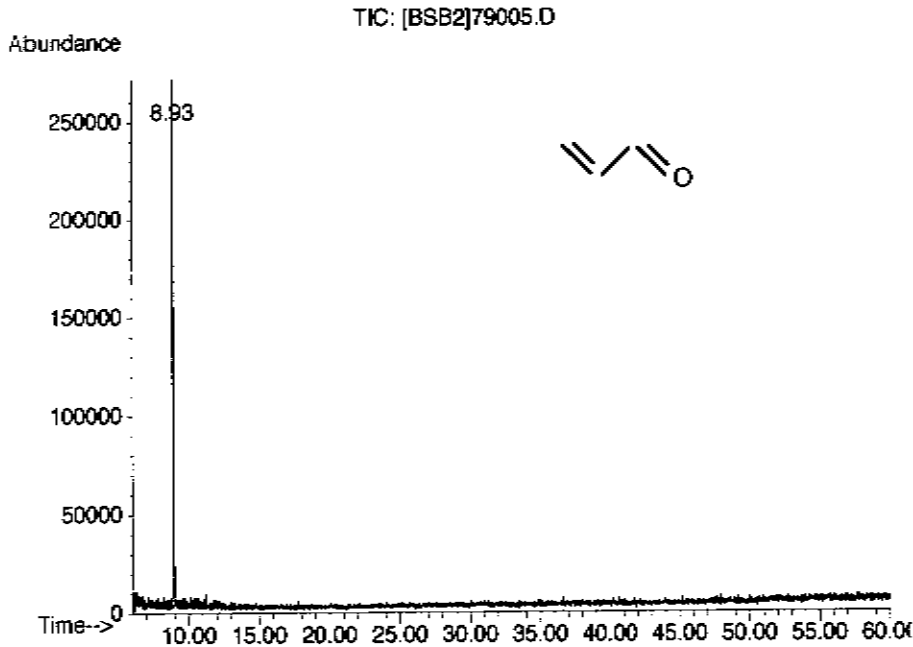
Weight(s) shown below were combined and diluted to (mL): 10.0 **0.007 Flask Uncertainty**

Vincent K. Criscio, Jr. 050218
Formulated By: Vincent K. Criscio, Jr. **DATE**
Pedro L. Rentas 050218
Reviewed By: Pedro L. Rentas **DATE**

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RMW	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LDSO
1. Acrolein	5	04715LL	5000	97	0.2	0.05157	0.05165	5008.1	23.8	107-02-8	0.1 ppm	ort-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocot (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., **Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **050318**
Description: **Acrolein**

Solvent(s): **Water**
Lot#: **020818Q**

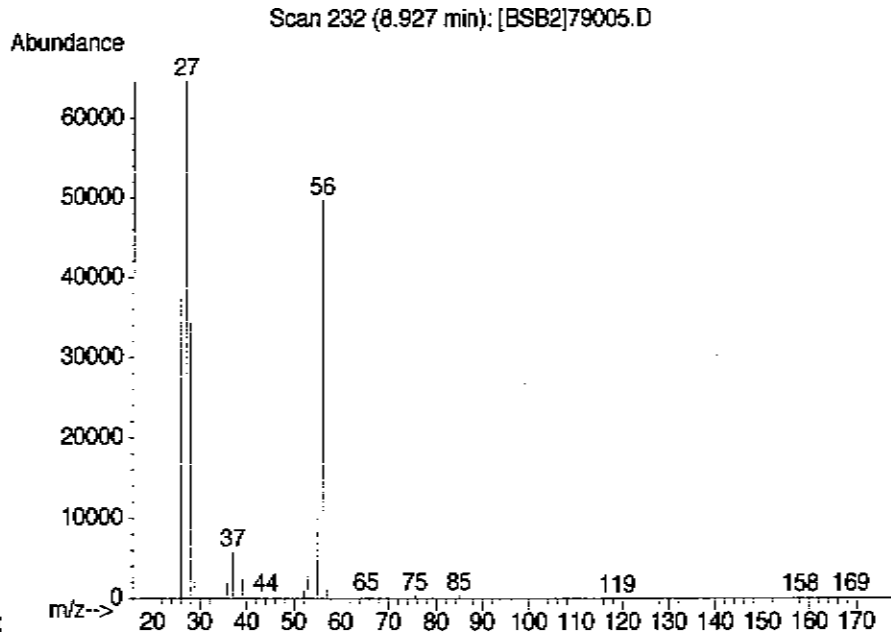
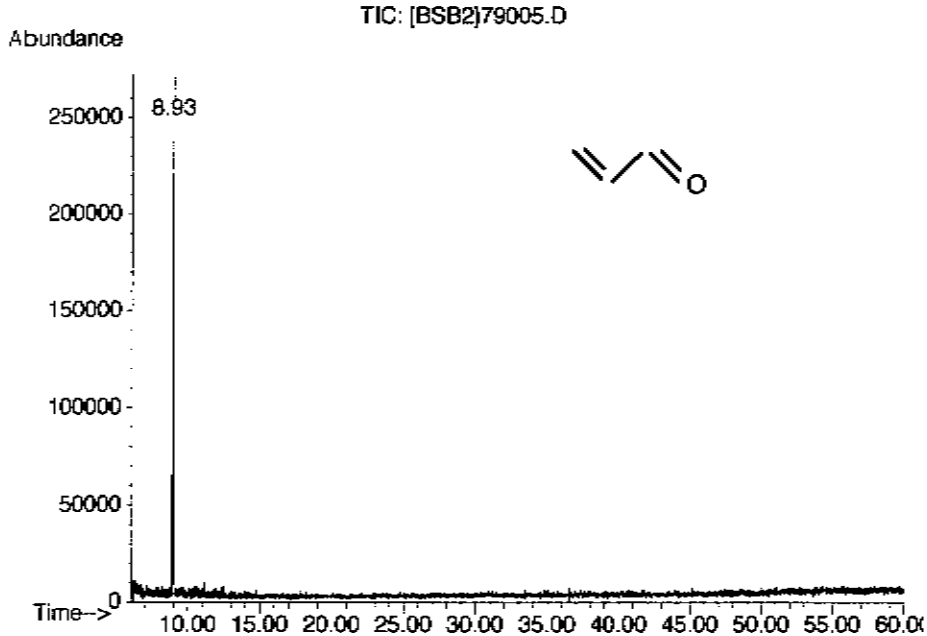
<i>Justin Dippold</i>		050318
Formulated By:	Justin Dippold	DATE
<i>Pedro L. Rentas</i>		050318
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 060318
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 2684186
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0
0.002 Flask Uncertainty

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)
OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	07813BN	5000	97	0.2	0.10302	0.10320	5008.9	21.2	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kayat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

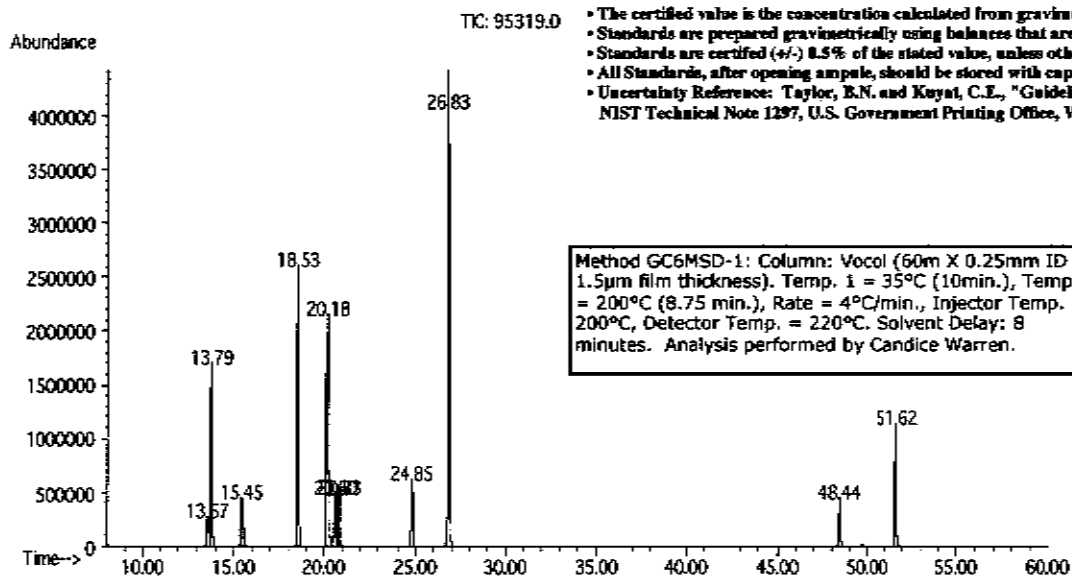
Part Number: 95319
Lot Number: 030818
Description: Revised Additions Mix
11 components
Expiration Date: 030821
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 2506734D

Solvent(s): Methanol
Lot# DS435

Paul Barron 030818
Formulated By: Paul Barron **DATE**
Pedro L. Ruelas 030818
Reviewed By: Pedro L. Ruelas **DATE**

Weight(s) shown below were combined and diluted to (mL): 100.0
0.001 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	SDS Information (Solvent Safety info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01065	10004.3	40.4	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20127	2002.4	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	13096TK	2000	99.5	0.2	0.20103	0.20117	2001.4	8.1	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20222	2001.8	8.1	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04116	40003.1	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20230	2002.6	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	50996APV	2000	99	0.2	0.20204	0.20223	2001.9	8.1	108-87-2	N/A	ori-mus 2250mg/kg
8. Methyl tert-butyl ether (MTBE)	209	AU 01134TR	2000	99.8	0.2	0.20042	0.20076	2003.4	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02088	20004.5	80.8	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00145	10003.4	40.1	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21521	2001.2	8.7	488-23-3	N/A	ori-rat 6408mg/kg



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
• Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62



CERTIFIED WEIGHT REPORT

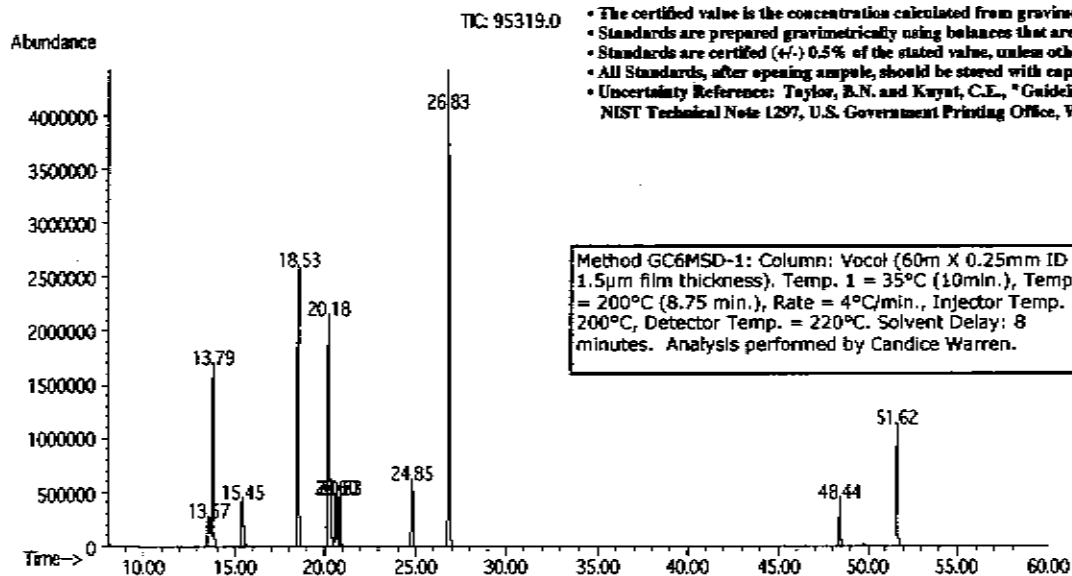
Part Number: 95319
Lot Number: 030918
Description: Revised Additions Mix
11 components
Expiration Date: 030921
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 2506734D

Solvent(s): Methanol
Lot#: DS435

Justin Dippold
030918
Formulated By: Justin Dippold **DATE:**
Pedro L. Rentas
030918
Reviewed By: Pedro L. Rentas **DATE:**

Weight(s) shown below were combined and diluted to (mL): 100.0 0.001 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01080	10005.8	40.4	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20130	2002.7	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	SHBD2795V	2000	99.5	0.2	0.20103	0.20113	2001.0	8.1	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20226	2002.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04105	40002.0	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20234	2002.9	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpp 4970mg/kg
7. Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20204	0.20231	2002.6	8.2	108-87-2	N/A	ori-mus 2250mg/kg
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20042	0.20070	2002.8	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02102	20005.9	80.8	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00161	10005.0	40.1	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21515	2000.7	8.7	488-23-3	N/A	ori-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Voccol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62



CERTIFIED WEIGHT REPORT

Part Number: 95317 Lot Number: 111516 Description: Unusual VOC Mixams 69 components

Solvent(s): Lot# Methanol DP30309

Formulated By: Paul Barron DATE 111516 Reviewed By: Pedro L. Ronias DATE 111516

Expiration Date: 111519

Recommended Storage: Freezer (0 °C)

Nominal Concentration (µg/mL): 2000

NIST Test ID#: 822-275872-11

SE-05 Relative Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.001 Blank Uncertainty

Table with columns: Compound, Part Number, Lot Number, Dil. Factor, Initial Vol. (mL), Initial Conc. (µg/mL), Nominal Conc. (µg/mL), Purity (%), Purity Uncertainty, Uncertainty (µg/mL), Target Weight (g), Actual Weight (g), Actual Conc. (µg/mL), Expanded Uncertainty (µg/mL), CAS#, OSHA PEL (TWA), L50. Lists 69 compounds including Acetonitrile, Allyl chloride, Carbon disulfide, etc.

* The certified values are the concentrations calculated from gravimetric and volumetric measurements unless otherwise stated. * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above). * All Standards, after opening amples, should be stored with caps tight and under appropriate laboratory conditions. * Uncertainty Reference: Taylor, B.N., and Kuyat, C.K., "Guidelines for Establishing and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Methanol
 ULTRA RESI-ANALYZED
 For Purge and Trap Analysis



Material No.: 9077-02
 Batch No.: 0000177891
 Manufactured Date: 2017/06/23
 Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.4000
Titration Acid (µeq/g)	<= 0.3	0.3
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
 Performance Tested for Use in EPA Methods
 500 Series for Drinking Water
 600 Series for Wastewater
 846 for Solid Waste

Country of Origin: US
 Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 90012090 140012003 1554 32992
 Evans, KY 90012008
 Atteridge City, America 90 112290
 Duggan, The Netherlands 90001 020 140012004 1122505 91
 Glinne, Poland 9001 2006 140012001
 Selangor, Malaysia 9001 2008
 Dehradun, India 9001 2003 140012004 1122505 901
 Mysore, India 9001 2006
 Pondich, India 9001 2000

James T. Baker
 Sales Director
 www.avantor.com/Support/COA

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600

Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Methanol
 ULTRA RESI-ANALYZED
 For Purge and Trap Analysis



Material No.: 9077-02
 Batch No.: 0000178208
 Manufactured Date: 2017/06/23
 Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.3000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
 Performance Tested for Use in EPA Methods
 500 Series for Drinking Water
 600 Series for Wastewater
 846 for Solid Waste

Country of Origin: US
 Packaging Site: Phillipsburg Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001-2708, 14001-1034, FSSC 22000
 Cary, NC 9001-2805
 Mexico City, Mexico 9001-2905
 Columbia, TN Tullahoma Road 9001-2101, 14001-1034, 14001-1035
 Greenville, PA 9001-3408, 14001-1034
 Semarang, Indonesia 9001-310005
 Durgam Cheruvu, India 9001-2004, 14001-1034, 14001-1035
 Mumbai, India 9001-2205
 Pune, India 9001-2206

James T. Ferris
 Director
 Quality Control

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
 Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

Certificate of Analysis



www.restek.com

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 Lot No.: A0115385

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : November 30, 2018 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty [95% C.L. : K=2]		
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBD0362V)	50,026.0 µg/mL	+/- 292.9132	µg/mL	Gravimetric
			+/- 1,071.6232	µg/mL	Unstressed
			+/- 1,102.7451	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0124187
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone	5,007.5 µg/mL	+/- 29.1140 µg/mL Gravimetric	
	CAS # 67-64-1 (Lot SHBH0922V)			+/- 302.1247 µg/mL Unstressed
	Purity 99%			+/- 302.8420 µg/mL Stressed
2	2-Butanone (MEK)	5,017.5 µg/mL	+/- 29.1722 µg/mL Gravimetric	
	CAS # 78-93-3 (Lot SHBF2461V)			+/- 302.7280 µg/mL Unstressed
	Purity 99%			+/- 303.4467 µg/mL Stressed
3	4-Methyl-2-pentanone (MIBK)	5,005.4 µg/mL	+/- 29.1018 µg/mL Gravimetric	
	CAS # 108-10-1 (Lot SHBG3630V)			+/- 301.9980 µg/mL Unstressed
	Purity 99%			+/- 302.7150 µg/mL Stressed
4	2-Hexanone	5,007.7 µg/mL	+/- 29.1152 µg/mL Gravimetric	
	CAS # 591-78-6 (Lot MKBW0198V)			+/- 302.1367 µg/mL Unstressed
	Purity 99%			+/- 302.8541 µg/mL Stressed

Solvent: P&T Methanol/Water (90:10)
 CAS # 67-56-1/7732-18-5
 Purity 99%





CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0125405

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Component	Grav. Conc (weight/volume)	Expanded Uncertainty (95% C.L. K=2)			
1	Bromochloromethane	2,000.0 µg/mL (Lot 00004559)	+/-	11.8794	µg/mL	Gravimetric
	CAS # 74-97-5		+/-	112.1643	µg/mL	Unstressed
	Purity 99%		+/-	114.7876	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Composition



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0133981

Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Union Order	Component	Conc. Conc. (weight/volume)	Expanded Uncertainty (95% C.I. K=2)
1	Vinyl acetate CAS # 108-05-4 Purity 99% (Lot STBD7333V)	8,014.0 µg/mL	+/- 47.0306 µg/mL +/- 483.5624 µg/mL +/- 484.7103 µg/mL Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



avantor™

Material No.: 9077-02
Batch No.: 0000177891
Manufactured Date: 2017/06/23
Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	$\geq 99.9\%$	100.0
Residue after Evaporation	≤ 1.0000 ppm	0.4000
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.3
Titration Base ($\mu\text{eq/g}$)	≤ 0.1	< 0.01
Water (by KF, coulometric)	$\leq 0.08\%$	< 0.01
Photolization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panaji, India 9001:2008

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 012218
Description: 2-Chloroethyl vinyl ether
Solvent(s): Methanol
Lot# DS435

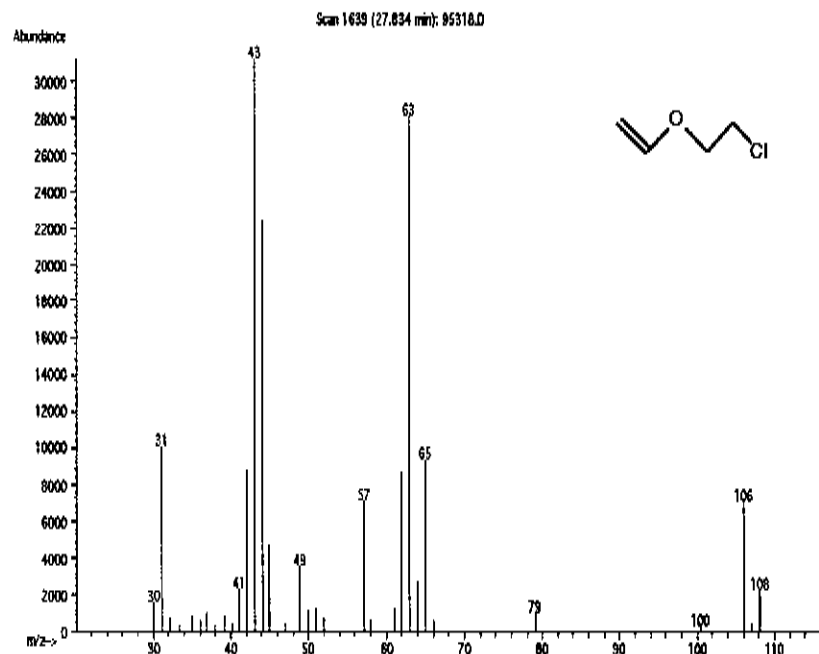
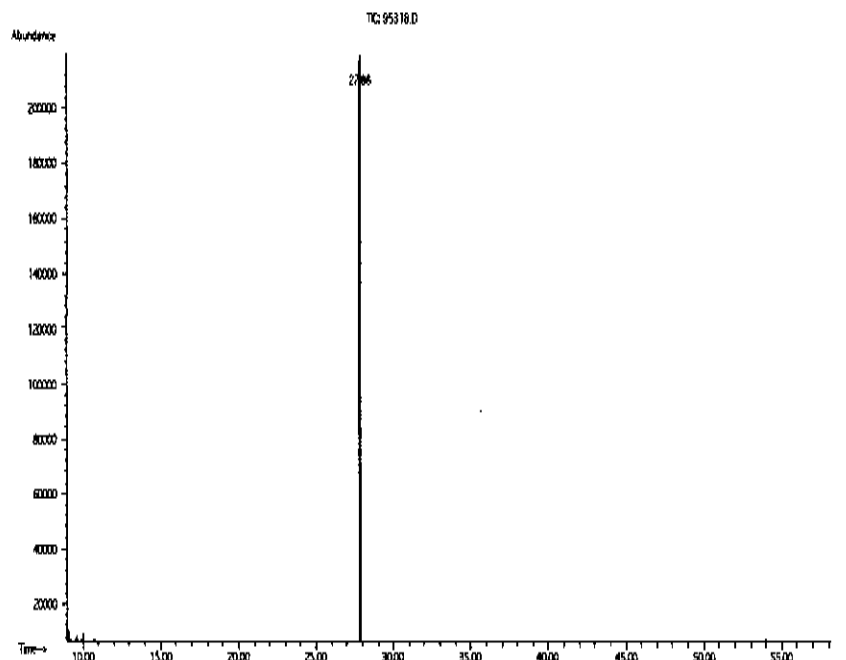
<i>Mario Luis</i>	012218
Formulated By: Mario Luis	DATE
<i>Pedro L. Rentas</i>	012218
Reviewed By: Pedro L. Rentas	DATE

Expiration Date: 012221
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 2506734D
Weight(s) shown below were combined and diluted to (mL): 25.0
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	03208CI	10000	99	0.2	0.25256	0.02528	1000.9	5.7	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst:** Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 021616
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol
Lot# DM417

<i>Gabriel Helland</i>		021616
Formulated By:	Gabriel Helland	DATE
<i>Pedro L. Rentas</i>		021616
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 021619
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 822-275872-11
Weight(s) shown below were combined and diluted to (mL): 25.0

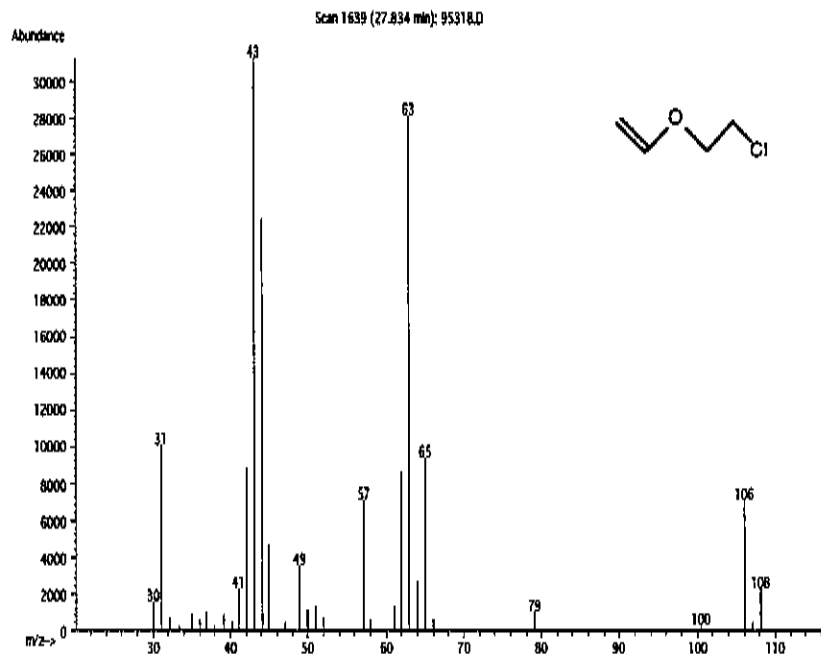
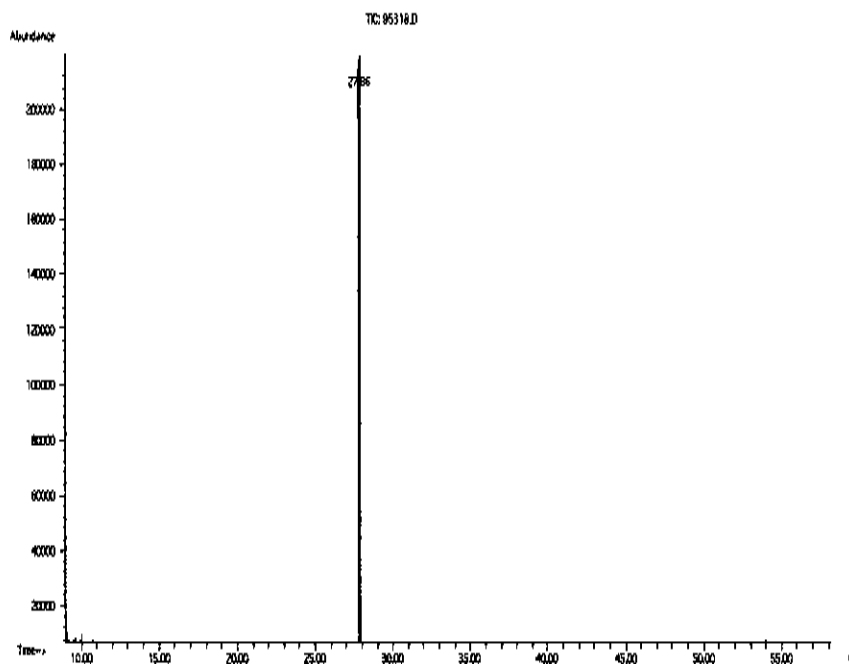
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	03206CI	10000	99	0.2	0.25254	0.25295	10016.2	40.9	110-75-8	N/A	ori-rat 250mg/kg

1. 2-Chloroethyl vinyl ether 74 03206CI 10000 99 0.2 0.25254 0.25295 10016.2 40.9 110-75-8 N/A ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp.** = 200°C, **Detector B Temp.** = 220°C. **Analyst:** Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampole, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 70046
Lot Number: 101416
Description: Bromochloromethane

Solvent(s): Methanol
Lot# DP303

		101416
Formulated By:	Jason Criscio	DATE
		101416
Reviewed By:	Pedro L. Rentas	DATE

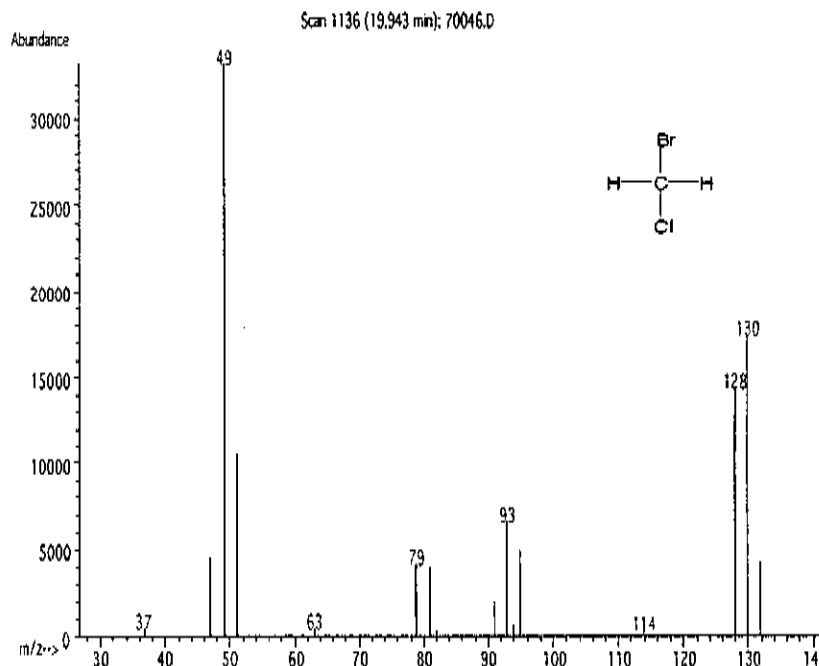
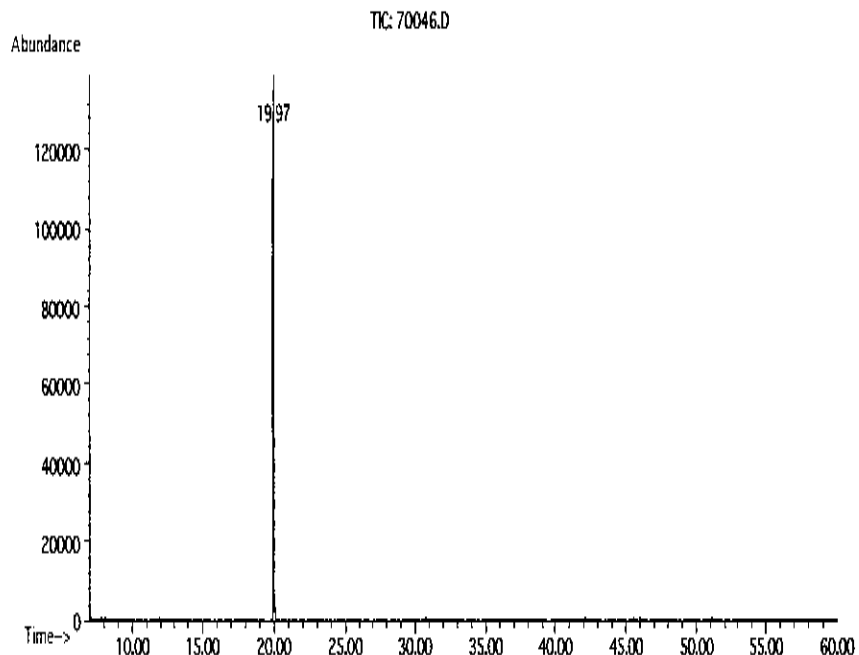
Expiration Date: 101421
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 822-275872-11

Weight(s) shown below were combined and diluted to (mL): 25.0 0.002 Flask Uncertainty

Expanded **MSDS Information**
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Bromochloromethane	46	AY01	1000	99	0.2	0.02526	0.02540	1005.7	5.7	74-97-5	200 ppm (1050mg/m3/8H)	or-rat 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B= 200°C, Detector B = 220°C. Analyst: Candice Warren



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

5 vials
 Rec 07/14/14



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 30067 Lot No.: A0102518
 Description: 4-Bromofluorobenzene Standard
4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol,
1mL/ampul
 Container Size: 2 mL Pkg Amt: > 1 mL
 Expiration Date: April 30, 2019 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 (Lot 01127COV) Purity 99%	2,506.0 µg/mL	+/- 14.7066	µg/mL	Gravimetric
			+/- 28.3294	µg/mL	Unstressed
			+/- 32.5790	µg/mL	Stressed

Solvent: P&T Methanol
 CAS # 67-56-1
 Purity 99%



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Gravimetric Certificate



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0118140

Description : Custom 8260A/B Surrogate Mix
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2019 **Storage:** 10°C or colder

CERTIFIED VALUES

Component #	Compound	Grav. Conc (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,2-Dichloroethane-d4 CAS # 17060-07-0 Purity 99% (Lot 12K-027)	25,036.0 µg/mL	+/-	231.6879	µg/mL Gravimetric
			+/-	1,415.2694	µg/mL Unstressed
			+/-	1,447.8538	µg/mL Stressed
2	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 Purity 99% (Lot 20401KOV)	25,016.0 µg/mL	+/-	231.5028	µg/mL Gravimetric
			+/-	1,414.1388	µg/mL Unstressed
			+/-	1,446.6971	µg/mL Stressed
3	Dibromofluoromethane CAS # 1868-53-7 Purity 99% (Lot 032015)	25,036.0 µg/mL	+/-	231.6879	µg/mL Gravimetric
			+/-	1,415.2694	µg/mL Unstressed
			+/-	1,447.8538	µg/mL Stressed
4	Toluene-d8 CAS # 2037-26-5 Purity 99% (Lot PR-26282)	25,032.0 µg/mL	+/-	231.6508	µg/mL Gravimetric
			+/-	1,415.0433	µg/mL Unstressed
			+/-	1,447.6224	µg/mL Stressed



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0123929
Description : Custom 8260 Internal Standard Mix
Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : January 31, 2020 **Storage:** 10°C or colder

CERTIFIED VALUES

Component #	Compound	Concentration (weight/volume)	Expanded Uncertainty (95% C.I. K=2)	Measurement Method
1	1,4-Dichlorobenzene-d4 CAS # 3855-82-1 Purity 99% (Lot PR-18488)	25,088.0 µg/mL	+/- 232.1691 µg/mL	Gravimetric
			+/- 1,418.2089 µg/mL	Unstressed
			+/- 1,450.8610 µg/mL	Stressed
2	1,4-Difluorobenzene CAS # 540-36-3 Purity 99% (Lot MKBN8571V)	25,144.0 µg/mL	+/- 232.6873 µg/mL	Gravimetric
			+/- 1,421.3746 µg/mL	Unstressed
			+/- 1,454.0995 µg/mL	Stressed
3	Chlorobenzene-d5 CAS # 3114-55-4 Purity 99% (Lot PR-23926)	25,012.0 µg/mL	+/- 231.4658 µg/mL	Gravimetric
			+/- 1,413.9127 µg/mL	Unstressed
			+/- 1,446.4658 µg/mL	Stressed
4	Pentafluorobenzene CAS # 363-72-4 Purity 99% (Lot MKBT9337V)	25,224.0 µg/mL	+/- 233.4276 µg/mL	Gravimetric
			+/- 1,425.8969 µg/mL	Unstressed
			+/- 1,458.7260 µg/mL	Stressed



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0125322
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Label Order	Component	Concentration (µg/mL)	Expanded Uncertainty (k=2)	Measurement Method
1	Acetone	5,013.0 µg/mL (Lot SHBH0922V)	+/- 29.4191 µg/mL	Gravimetric
	CAS # 67-64-1		+/- 302.4829 µg/mL	Unstressed
	Purity 99%		+/- 303.2010 µg/mL	Stressed
2	2-Butanone (MEK)	5,018.0 µg/mL (Lot SHBF2461V)	+/- 29.4484 µg/mL	Gravimetric
	CAS # 78-93-3		+/- 302.7846 µg/mL	Unstressed
	Purity 99%		+/- 303.5034 µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	5,042.0 µg/mL (Lot SHBG3630V)	+/- 29.5893 µg/mL	Gravimetric
	CAS # 108-10-1		+/- 304.2328 µg/mL	Unstressed
	Purity 99%		+/- 304.9550 µg/mL	Stressed
4	2-Hexanone	5,025.0 µg/mL (Lot MKBW0198V)	+/- 29.4895 µg/mL	Gravimetric
	CAS # 591-78-6		+/- 303.2070 µg/mL	Unstressed
	Purity 99%		+/- 303.9268 µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%



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ISO Guide 94 Accredited
 Reference Material Producer
 Certificate #5222.01



ISO/IEC 17025 Accredited
 Testing Laboratory
 Certificate #5222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** AQ131442
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2024 **Storage:** 0°C or colder

CERTIFIED VALUES

Flask Order	Compound	Concentration (weight/volume)	Expanded Uncertainty (95% C.I., K=2)			
1	Dichlorodifluoromethane (CFC-12) CAS # 75-71-8 (Lot Q167-08) Purity 99%	2,001.7 µg/mL	+/- 14.4547	µg/mL	Gravimetric	
			+/- 112.5592	µg/mL	Unstressed	
			+/- 115.1778	µg/mL	Stressed	
2	Chloromethane (methyl chloride) CAS # 74-87-3 (Lot SHBG9707V) Purity 99%	2,001.6 µg/mL	+/- 13.7964	µg/mL	Gravimetric	
			+/- 112.4738	µg/mL	Unstressed	
			+/- 115.0942	µg/mL	Stressed	
3	Vinyl chloride CAS # 75-01-4 (Lot 1026101231B1) Purity 99%	2,001.9 µg/mL	+/- 14.0001	µg/mL	Gravimetric	
			+/- 112.5111	µg/mL	Unstressed	
			+/- 115.1313	µg/mL	Stressed	
4	Bromomethane (methyl bromide) CAS # 74-83-9 (Lot 101604) Purity 99%	2,001.0 µg/mL	+/- 13.1778	µg/mL	Gravimetric	
			+/- 112.3658	µg/mL	Unstressed	
			+/- 114.9871	µg/mL	Stressed	
5	Chloroethane (ethyl chloride) CAS # 75-00-3 (Lot 23593) Purity 99%	2,001.2 µg/mL	+/- 14.0806	µg/mL	Gravimetric	
			+/- 112.4863	µg/mL	Unstressed	
			+/- 115.1054	µg/mL	Stressed	
6	Trichlorofluoromethane (CFC-11) CAS # 75-69-4 (Lot SHBH4155V) Purity 99%	2,000.7 µg/mL	+/- 13.0893	µg/mL	Gravimetric	
			+/- 112.3349	µg/mL	Unstressed	
			+/- 114.9560	µg/mL	Stressed	



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0133055

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95%, G1, K=2)
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBG9852V)	50,032.0 µg/mL	+/- 292.9484 µg/mL +/- 1,071.7518 µg/mL +/- 1,102.8773 µg/mL
			Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 30489 **Lot No.:** A0133976

Description: 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: July 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)			
1	Methyl acetate	2,001.0 µg/mL (Lot SHBD7134V)	+/-	11.7430	µg/mL	Gravimetric
	CAS # 79-20-9		+/-	120.7397	µg/mL	Unstressed
	Purity 99%		+/-	121.0264	µg/mL	Stressed
2	Vinyl acetate	2,014.0 µg/mL (Lot STBD7333V)	+/-	11.8193	µg/mL	Gravimetric
	CAS # 108-05-4		+/-	121.5242	µg/mL	Unstressed
	Purity 99%		+/-	121.8126	µg/mL	Stressed
3	Ethyl acetate	2,007.0 µg/mL (Lot SHBH7407)	+/-	11.7782	µg/mL	Gravimetric
	CAS # 141-78-6		+/-	121.1018	µg/mL	Unstressed
	Purity 99%		+/-	121.3893	µg/mL	Stressed
4	Isopropyl acetate	2,001.0 µg/mL (Lot BCBN7598V)	+/-	11.7430	µg/mL	Gravimetric
	CAS # 108-21-4		+/-	120.7397	µg/mL	Unstressed
	Purity 99%		+/-	121.0264	µg/mL	Stressed
5	Propyl acetate	2,003.0 µg/mL (Lot FGL01)	+/-	11.7547	µg/mL	Gravimetric
	CAS # 109-60-4		+/-	120.8604	µg/mL	Unstressed
	Purity 99%		+/-	121.1473	µg/mL	Stressed
6	Butyl acetate	2,009.0 µg/mL (Lot SHBH0056V)	+/-	11.7899	µg/mL	Gravimetric
	CAS # 123-86-4		+/-	121.2225	µg/mL	Unstressed
	Purity 99%		+/-	121.5102	µg/mL	Stressed
7	Amyl acetate	2,004.0 µg/mL (Lot 41325/1)	+/-	11.7606	µg/mL	Gravimetric
	CAS # 628-63-7		+/-	120.9208	µg/mL	Unstressed
	Purity 99%		+/-	121.2078	µg/mL	Stressed



CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0134860
Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2018 **Storage:** 0°C or colder
Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)			
1	Methyl acetate	2,004.5 µg/mL (Lot SHBD7134V)	+/-	11.7635	µg/mL	Gravimetric
	CAS # 79-20-9		+/-	120.9509	µg/mL	Unstressed
	Purity 99%		+/-	121.2380	µg/mL	Stressed
2	Vinyl acetate	2,004.5 µg/mL (Lot STBD7333V)	+/-	11.7635	µg/mL	Gravimetric
	CAS # 108-05-4		+/-	120.9509	µg/mL	Unstressed
	Purity 99%		+/-	121.2380	µg/mL	Stressed
3	Ethyl acetate	2,006.0 µg/mL (Lot SHBH7407)	+/-	11.7723	µg/mL	Gravimetric
	CAS # 141-78-6		+/-	121.0414	µg/mL	Unstressed
	Purity 99%		+/-	121.3288	µg/mL	Stressed
4	Isopropyl acetate	2,000.5 µg/mL (Lot BCBN7598V)	+/-	11.7401	µg/mL	Gravimetric
	CAS # 108-21-4		+/-	120.7096	µg/mL	Unstressed
	Purity 99%		+/-	120.9961	µg/mL	Stressed
5	Propyl acetate	2,000.5 µg/mL (Lot FGL01)	+/-	11.7401	µg/mL	Gravimetric
	CAS # 109-60-4		+/-	120.7096	µg/mL	Unstressed
	Purity 99%		+/-	120.9961	µg/mL	Stressed
6	Butyl acetate	2,006.5 µg/mL (Lot SHBH0056V)	+/-	11.7753	µg/mL	Gravimetric
	CAS # 123-86-4		+/-	121.0716	µg/mL	Unstressed
	Purity 99%		+/-	121.3590	µg/mL	Stressed
7	Amyl acetate	2,006.5 µg/mL (Lot 41325/1)	+/-	11.7753	µg/mL	Gravimetric
	CAS # 628-63-7		+/-	121.0716	µg/mL	Unstressed
	Purity 99%		+/-	121.3590	µg/mL	Stressed



CERTIFIED REFERENCE MATERIAL

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Certificate of Composition



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0135430

Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Flution Order	Chemical Name	Concentration (weight/volume)	Expanded Uncertainty (95% C.L. K=2)	Measurement Method
1	Vinyl acetate CAS # 108-05-4 Purity 99%	8,034.0 µg/mL (Lot STBD7333V)	+/- 47.1480 µg/mL +/- 484.7692 µg/mL +/- 485.9199 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. :	<u>30042</u>	Lot No.:	<u>AQ133860</u>
Description :	<u>502.2 Calibration Mix #1</u>		
	<u>502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul</u>		
Container Size :	<u>2 mL</u>	Pkg Amt:	<u>> 1 mL</u>
Expiration Date :	<u>September 30, 2024</u>	Storage:	<u>0°C or colder</u>

CERTIFIED VALUES

Elution Order	Compound	Stock Concentration (µg/mL)	Expanded Uncertainty (95% C.I. K=2)			
1	Dichlorodifluoromethane (CFC-12) CAS # 75-71-8 (Lot Q167-08) Purity 99%	1,998.8 µg/mL	+/- 14.4274 µg/mL	+/- 112.3986 µg/mL	+/- 115.0135 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) CAS # 74-87-3 (Lot SHBH5831) Purity 99%	1,999.5 µg/mL	+/- 14.0384 µg/mL	+/- 112.3858 µg/mL	+/- 115.0028 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride CAS # 75-01-4 (Lot 00012557) Purity 99%	2,003.8 µg/mL	+/- 19.9391 µg/mL	+/- 113.5098 µg/mL	+/- 116.1124 µg/mL	Gravimetric Unstressed Stressed
4	Bromomethane (methyl bromide) CAS # 74-83-9 (Lot 101604) Purity 99%	2,002.0 µg/mL	+/- 15.8849 µg/mL	+/- 112.7689 µg/mL	+/- 115.3835 µg/mL	Gravimetric Unstressed Stressed
5	Chloroethane (ethyl chloride) CAS # 75-00-3 (Lot 107-401039114-1) Purity 99%	1,999.9 µg/mL	+/- 16.6181 µg/mL	+/- 112.7603 µg/mL	+/- 115.3698 µg/mL	Gravimetric Unstressed Stressed
6	Trichlorofluoromethane (CFC-11) CAS # 75-69-4 (Lot SHBG7531V) Purity 99%	2,001.7 µg/mL	+/- 13.7650 µg/mL	+/- 112.4716 µg/mL	+/- 115.0921 µg/mL	Gravimetric Unstressed Stressed

Methanol
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For Purge and Trap Analysis



avantor™

Material No.: 9077-02
Batch No.: 0000177891
Manufactured Date: 2017/06/23
Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.4000
Titration Acid (µeq/g)	<= 0.3	0.3
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 9001-2009, 14001-2004, FSSC 22000
Paris, KY 9001-2008
Mexico City, Mexico 9001-2008
Deventer, The Netherlands 9001-2008, 14001-2007, 13493-2013
Gdansk, Poland 9001-2008, 13493-2013
Selangor, Malaysia 9001-2008
Dehradun, India 9001-2008, 14001-2005, 13493-2013
Mumbai, India 9001-2008
Pune, India 9001-2008

James T. Baker
James T. Baker
President
Avantor Performance Materials, LLC

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

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CHEMTECH PROJECT NO. J3131
 QUOTE NO.
 COC Number 2021829

1 of 2

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION

REPORT TO BE SENT TO:
 COMPANY: Day Environmental, Inc.
 ADDRESS: 1563 Lyell Avenue
 CITY: Rochester STATE: NY ZIP: 14606
 ATTENTION: Jeff Danzinger
 PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT PROJECT INFORMATION

PROJECT NAME: Andrew Street Site
 PROJECT NO.: 5334517 LOCATION: Rochester, NY
 PROJECT MANAGER: Jeff Danzinger
 e-mail: jdanzinger@daymail.net
 PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT BILLING INFORMATION

BILL TO: Day Environmental, Inc. PO#: 53345-17
 ADDRESS: 1563 Lyell Avenue
 CITY: Rochester STATE: NY ZIP: 14606
 ATTENTION: Jeff Danzinger PHONE: 585-454-0210

ANALYSIS

MeOH extraction requires an additional 4 oz jar for percent solid.

DATA TURNAROUND INFORMATION

FAX: _____ 5 DAYS*
 HARD COPY: _____ DAYS*
 EDD: _____ 15 DAYS*
 PREAPPROVED TAT: YES NO
 STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

RESULTS ONLY USEPA CLP
 RESULTS + QC New York State ASP "B"
 New Jersey REDUCED New York State ASP "A"
 New Jersey CLP Other _____
 EDD FORMAT NYS DEL Equis

1 2 3 4 5 6 7 8 9
 TCL VOA + TELS BSL

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS			
			COMP	GRAB	DATE	TIME		← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other												
			A	E	1	2		3	4	5	6	7	8	9						
1.	929-MW-01(18)	GW	X		5/22/18	10:25	2	X												
2.	930-MW-01(23)	GW	X		5/22/18	10:30	2	X												
3.	931-MW-03A(17)	GW	X		5/22/18	11:05	2	X												
4.	932-MW-03A(22)	GW	X		5/22/18	11:10	2	X												
5.	933-MW-03A(28)	GW	X		5/22/18	11:15	2	X												
6.	934-MW-17(14)	GW	X		5/22/18	10:40	2	X												
7.	935-MW-17(17)	GW	X		5/22/18	10:45	2	X												
8.	936-MW-17(20.5)	GW	X		5/22/18	10:50	6	X												Also do hrs/moel
9.	937-MW-17(24)	GW	X		5/22/18	11:00	2	X												
10.	938-FB052218	AQ	X		5/22/18	11:15	2	X												

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>5-22-18/11:30</u>	RECEIVED BY: 1. <u>FED-EX</u>
RELINQUISHED BY: 2. _____	DATE/TIME: _____	RECEIVED BY: 2. _____
RELINQUISHED BY: 3. _____	DATE/TIME: _____	RECEIVED FOR LAB BY: 3. _____

Comments: _____
 Cooler Temp.: 3.4
 Shipment
 Complete: Yes No
 By Client: _____
 By Chemtech: _____



CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. J3131

QUOTE NO.

COC Number 2021830

2 of 2

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Day Environmental, Inc.
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT PROJECT INFORMATION

PROJECT NAME: Andraus Street Site
PROJECT NO.: 53345-17 LOCATION: Rochester, NY
PROJECT MANAGER: Jeff Danzinger
e-mail: jdanzinger@daymail.net
PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT BILLING INFORMATION

BILL TO: Day Environmental, Inc. PO#: 53345-17
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger PHONE: 585-454-0210

DATA TURNAROUND INFORMATION

FAX: 5 DAYS
HARD COPY: 5 DAYS
EED: 15 DAYS
PREAPPROVED TAT: YES NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

RESULTS ONLY
RESULTS + QC
New Jersey REDUCED
New Jersey CLP
EED FORMAT NYDEC Equi

USEPA CLP
New York State ASP "B"
New York State ASP "A"
Other

MeOH extraction requires an additional 4 oz jar for percent solid.

ANALYSIS

Table with 9 columns for analysis results, mostly blank with diagonal lines.

Main table with columns: CHEMTECH SAMPLE ID, PROJECT SAMPLE IDENTIFICATION, SAMPLE MATRIX, SAMPLE TYPE, SAMPLE COLLECTION (DATE, TIME), # OF BOTTLES, PRESERVATIVES (A-E), COMMENTS. Row 1: 939-TB05221B, AQ, X, 5/22/18, -, 1, X, 1 vial received broken from 16b.

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

Table for sample custody with columns: RELINQUISHED BY, DATE/TIME, RECEIVED BY. Includes handwritten signatures and dates like 5-22-18/1630.

Comments:
Cooler Temp.: 3.4 C
Shipment
Complete: Yes No
By Client:
By Chemtech:

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

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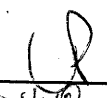
Order ID : J3131 DAYE01 Client Name : Day Environmental, Inc. Client Contact : Jeff Danzinger Invoice Name : Day Environmental, Inc. Invoice Contact : Jeff Danzinger	Order Date : 05/22/2018 Project Name : Andrew St. RI Receive DateTime : 5/24/2018 1:00:00 PM Purchase Order : Login Tech : ankit	Project Mgr : Report Type : NYS ASP B EDD Type : Equis_EQNYDEC/Excel Hard Copy Date : Date Signoff :
---	---	---


LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMET	FAX DATE	DUE DATES
J3131-01	929-MW-01(18)	Water	05/22/2018	10:25	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3131-02	930-MW-01(23)	Water	05/22/2018	10:30	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3131-03	931-MW-03A(17)	Water	05/22/2018	11:05	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3131-04	932-MW-03A(22)	Water	05/22/2018	11:10	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3131-05	933-MW-03A(28)	Water	05/22/2018	11:15	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3131-06	934-MW-17(14)	Water	05/22/2018	10:40	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3131-07	935-MW-17(17)	Water	05/22/2018	10:45	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3131-08	936-MW-17(20.5)	Water	05/22/2018	10:50	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3131-09	36-MW-17(20.5)M	Water	05/22/2018	10:50	VOC-TCLVOA-10		8260-Low			5 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : J3131 DAYE01 Client Name : Day Environmental, Inc. Client Contact : Jeff Danzinger Invoice Name : Day Environmental, Inc. Invoice Contact : Jeff Danzinger	Order Date : 05/22/2018 Project Name : Andrew St. RI Receive DateTime : 5/24/2018 1:00:00 PM Purchase Order : Login Tech : ankit	Project Mgr : Report Type : NYS ASP B EDD Type : Equis_EQNYDEC/Excel Hard Copy Date : Date Signoff :
--	---	---

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMET	FAX DATE	DUE DATES
J3131-10	16-MW-17(20.5)MS	Water	05/22/2018	10:50	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3131-11	937-MW-17(24)	Water	05/22/2018	11:00	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3131-12	938-FB052218	Water	05/22/2018	11:15	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3131-13	939-TB052218	Water	05/22/2018	00:00	VOC-TCLVOA-10		8260-Low			5 Bus. Days

Relinquished By : 
 Date / Time : 5-24-18 - 10:10

Received By : 
 Date / Time : 05/24/18

Storage Area : VOA Refridgerator Room

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : ANDREW ST. RI

**DAY ENVIRONMENTAL, INC.
Canalside Business Center, 1563 Lyell Avenue**

**Rochester, NY - 14606
Phone No: 585-454-0210**

**ORDER ID : J3577
ATTENTION : Jeff Danzinger**



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Cover Page

Order ID : J3577

Project ID : Andrew St. RI

Client : Day Environmental, Inc.

Lab Sample Number

J3577-01
J3577-02
J3577-03
J3577-04
J3577-05
J3577-06
J3577-07
J3577-08

Client Sample Number

540-IW-6
541-IW-13
542-IW-14
543-IW-15
544-IW-16
545-IW-21
546-IW-22
547-TB061318

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :



APPROVED

Date: 7/2/2018

By Mildred V Reyes, QAQC Supervisor at 6:06 am, Jul 06, 2018

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE**Day Environmental, Inc.****Project Name: Andrew St. RI****Project # N/A****Chemtech Project # J3577****Test Name: VOC-TCLVOA-10****A. Number of Samples and Date of Receipt:**

8 Water samples were received on 06/18/2018.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_U were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD recoveries met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 82U061318W.M) for Chloroethane,Cyclohexane, these compounds are passing on Linear regression .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples therefore lab used from another project.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature__ 

APPROVED

By Mildred V Reyes, QAQC Supervisor at 6:06 am, Jul 06, 2018



DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: J3577

MATRIX: Water

METHOD: 8260-Low

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4. GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements. The %RSD is greater than 15% in the Initial Calibration (Method 82U061318W.M) for Chloroethane,Cyclohexane, these compounds are passing on Linear regression . The Continuous Calibration met the requirements .			✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9. Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10. Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

Samples for MS/MSD for VOC analysis were not provided with this set of samples therefore lab used from another project.

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

REVIEWED*By Nimisha Pandya, Data Reviewer at 10:36 pm, Jul 05, 2018*

QA REVIEW

Date

APPENDIX A**QA REVIEW GENERAL DOCUMENTATION**

Project #: J3577

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page) ✓

Check chain-of-custody for proper relinquish/return of samples ✓

Is the chain of custody signed and complete ✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts ✓

Collect information for each project id from server. Were all requirements followed ✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page ✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody ✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results ✓

Do requested analyses on Chain of Custody agree with the log-in page ✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody ✓

Were the samples received within hold time ✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle ✓

ANALYTICAL:

Was method requirement followed? ✓

Was client requirement followed? ✓

Does the case narrative summarize all QC failure? ✓

All runlogs and manual integration are reviewed for requirements ✓

All manual calculations and /or hand notations verified ✓

1st Level QA Review Signature: MOHINI SONI

Date: 07/02/2018

2nd Level QA Review Signature: _____

REVIEWED

Date: _____

By Nimisha Pandya, Data Reviewer at 10:36 pm, Jul 05, 2018

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LAB CHRONICLE

OrderID: J3577	OrderDate: 6/18/2018 12:40:00 PM
Client: Day Environmental, Inc.	Project: Andrew St. RI
Contact: Jeff Danzinger	Location:

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
J3577-01	540-IW-6	Water	VOC-TCLVOA-10	8260-Low	06/13/18		06/20/18	06/18/18
J3577-02	541-IW-13	Water	VOC-TCLVOA-10	8260-Low	06/13/18		06/20/18	06/18/18
J3577-03	542-IW-14	Water	VOC-TCLVOA-10	8260-Low	06/13/18		06/20/18	06/18/18
J3577-04	543-IW-15	Water	VOC-TCLVOA-10	8260-Low	06/13/18		06/20/18	06/18/18
J3577-05	544-IW-16	Water	VOC-TCLVOA-10	8260-Low	06/13/18		06/20/18	06/18/18
J3577-06	545-IW-21	Water	VOC-TCLVOA-10	8260-Low	06/13/18		06/20/18	06/18/18
J3577-07	546-IW-22	Water	VOC-TCLVOA-10	8260-Low	06/13/18		06/20/18	06/18/18
J3577-08	547-TB061318	Water	VOC-TCLVOA-10	8260-Low	06/13/18		06/20/18	06/18/18

Hit Summary Sheet SW-846

 SDG No.: J3577

 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	540-IW-6								
J3577-01	540-IW-6	Water	Acetone	26.50		0.5	1	5	ug/L
J3577-01	540-IW-6	Water	2-Butanone	6.00		1.3	2.5	5	ug/L
			Total Voc :	32.5					
			Total Concentration:	32.5					
Client ID:	541-IW-13								
J3577-02	541-IW-13	Water	Acetone	410.00		0.5	1	5	ug/L
J3577-02	541-IW-13	Water	2-Butanone	16.30		1.3	2.5	5	ug/L
J3577-02	541-IW-13	Water	Chloroform	3.10		0.2	0.2	1	ug/L
J3577-02	541-IW-13	Water	Benzene	0.55	J	0.2	0.2	1	ug/L
J3577-02	541-IW-13	Water	Bromoform	2.30		0.2	0.2	1	ug/L
			Total Voc :	432.25					
J3577-02	541-IW-13	Water	Nonanal	* 14.10	J	0		0	ug/L
J3577-02	541-IW-13	Water	(+)-2-Bornanone	* 5.70	J	0		0	ug/L
J3577-02	541-IW-13	Water	Bicyclo[2.2.1]heptan-2-one, 1,2	* 7.40	J	0		0	ug/L
J3577-02	541-IW-13	Water	Tert butyl alcohol	* 7.60	J	0.5		25	ug/L
			Total Tics :	34.8					
			Total Concentration:	467.05					
Client ID:	542-IW-14								
J3577-03	542-IW-14	Water	Vinyl Chloride	2.30		0.2	0.2	1	ug/L
J3577-03	542-IW-14	Water	cis-1,2-Dichloroethene	31.20		0.2	0.2	1	ug/L
J3577-03	542-IW-14	Water	Trichloroethene	13.50		0.2	0.2	1	ug/L
J3577-03	542-IW-14	Water	Tetrachloroethene	21.70		0.2	0.2	1	ug/L
			Total Voc :	68.7					
J3577-03	542-IW-14	Water	1-Nonanol	* 10.30	J	0		0	ug/L
J3577-03	542-IW-14	Water	Oxalic acid, allyl nonyl ester	* 56.80	J	0		0	ug/L
			Total Tics :	67.1					
			Total Concentration:	135.8					
Client ID:	543-IW-15								
J3577-04	543-IW-15	Water	trans-1,2-Dichloroethene	1.40		0.2	0.2	1	ug/L
J3577-04	543-IW-15	Water	cis-1,2-Dichloroethene	27.90		0.2	0.2	1	ug/L
J3577-04	543-IW-15	Water	Trichloroethene	22.90		0.2	0.2	1	ug/L
J3577-04	543-IW-15	Water	Tetrachloroethene	110.00		0.2	0.2	1	ug/L
			Total Voc :	162.2					
J3577-04	543-IW-15	Water	Sulfurous acid, butyl nonyl este	* 32.20	J	0		0	ug/L
			Total Tics :	32.2					
			Total Concentration:	194.4					
Client ID:	544-IW-16								
J3577-05	544-IW-16	Water	Acetone	66.60		0.5	1	5	ug/L

Hit Summary Sheet

SW-846

SDG No.: J3577
 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
J3577-05	544-IW-16	Water	2-Butanone	2.80	J	1.3	2.5	5	ug/L
			Total Voc :	69.4					
			Total Concentration:	69.4					
Client ID:	545-IW-21								
J3577-06	545-IW-21	Water	Acetone	25.60		0.5	1	5	ug/L
J3577-06	545-IW-21	Water	Tetrachloroethene	140.00		0.2	0.2	1	ug/L
			Total Voc :	165.6					
			Total Concentration:	165.6					
Client ID:	546-IW-22								
J3577-07	546-IW-22	Water	Acetone	5.40		0.5	1	5	ug/L
J3577-07	546-IW-22	Water	Tetrachloroethene	38.70		0.2	0.2	1	ug/L
			Total Voc :	44.1					
J3577-07	546-IW-22	Water	Sulfurous acid, nonyl 2-propyl *	19.00	J	0		0	ug/L
			Total Tics :	19					
			Total Concentration:	63.1					
Client ID:	547-TB061318								
J3577-08	547-TB061318	Water	unknown15.13	* 11.60	J	0		0	ug/L
J3577-08	547-TB061318	Water	unknown15.69	* 56.50	J	0		0	ug/L
J3577-08	547-TB061318	Water	1-Nonanol	* 52.50	J	0		0	ug/L
			Total Tics :	120.6					
			Total Concentration:	120.6					

QC
SUMMARY

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Surrogate Summary

 SDG No.: J3577

 Client: Day Environmental, Inc.

 Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
J3529-09MS	TPTW-04MS	1,2-Dichloroethane-d4	50	43.7	87	61	141
		Dibromofluoromethane	50	46.24	92	69	133
		Toluene-d8	50	44.79	90	65	126
		4-Bromofluorobenzene	50	45.17	90	58	135
J3529-10MSD	TPTW-04MSD	1,2-Dichloroethane-d4	50	46.39	93	61	141
		Dibromofluoromethane	50	48.05	96	69	133
		Toluene-d8	50	46.37	93	65	126
		4-Bromofluorobenzene	50	45.92	92	58	135
J3577-01	540-IW-6	1,2-Dichloroethane-d4	50	42.92	86	61	141
		Dibromofluoromethane	50	46.41	93	69	133
		Toluene-d8	50	48.01	96	65	126
		4-Bromofluorobenzene	50	44.07	88	58	135
J3577-02	541-IW-13	1,2-Dichloroethane-d4	50	43.16	86	61	141
		Dibromofluoromethane	50	46.62	93	69	133
		Toluene-d8	50	47.9	96	65	126
		4-Bromofluorobenzene	50	41.92	84	58	135
J3577-03	542-IW-14	1,2-Dichloroethane-d4	50	43.28	87	61	141
		Dibromofluoromethane	50	46.96	94	69	133
		Toluene-d8	50	47.59	95	65	126
		4-Bromofluorobenzene	50	43.07	86	58	135
J3577-04	543-IW-15	1,2-Dichloroethane-d4	50	42.48	85	61	141
		Dibromofluoromethane	50	46.11	92	69	133
		Toluene-d8	50	47.58	95	65	126
		4-Bromofluorobenzene	50	43.32	87	58	135
J3577-05	544-IW-16	1,2-Dichloroethane-d4	50	42.7	85	61	141
		Dibromofluoromethane	50	46.99	94	69	133
		Toluene-d8	50	48.81	98	65	126
		4-Bromofluorobenzene	50	43.73	87	58	135
J3577-06	545-IW-21	1,2-Dichloroethane-d4	50	44.16	88	61	141
		Dibromofluoromethane	50	46.42	93	69	133
		Toluene-d8	50	47.72	95	65	126
		4-Bromofluorobenzene	50	43.7	87	58	135
J3577-07	546-IW-22	1,2-Dichloroethane-d4	50	43.11	86	61	141
		Dibromofluoromethane	50	46.82	94	69	133
		Toluene-d8	50	47.56	95	65	126
		4-Bromofluorobenzene	50	43.25	87	58	135
J3577-08	547-TB061318	1,2-Dichloroethane-d4	50	44.28	89	61	141
		Dibromofluoromethane	50	47.38	95	69	133
		Toluene-d8	50	47.73	95	65	126
		4-Bromofluorobenzene	50	44.11	88	58	135
VU0620WBL01	VU0620WBL01	1,2-Dichloroethane-d4	50	42.58	85	61	141
		Dibromofluoromethane	50	47.57	95	69	133
		Toluene-d8	50	47.99	96	65	126
VU0620WBS01	VU0620WBS01	4-Bromofluorobenzene	50	43.01	86	58	135
		1,2-Dichloroethane-d4	50	42.7	85	61	141
		Dibromofluoromethane	50	47.11	94	69	133
		Toluene-d8	50	46.71	93	65	126
		4-Bromofluorobenzene	50	44.35	89	58	135

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: J3577

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	J3529-09MS	Client Sample ID :	TPTW-04MS					Datafile :	VU024771.D			
Dichlorodifluoromethane	50	0	40.2	ug/L	80				47	161		
Chloromethane	50	0	46.4	ug/L	93				53	157		
Vinyl chloride	50	0	46.4	ug/L	93				57	149		
Bromomethane	50	0	52.2	ug/L	104				45	165		
Chloroethane	50	0	53.4	ug/L	107				47	166		
Trichlorofluoromethane	50	0	46.7	ug/L	93				51	165		
1,1,2-Trichlorotrifluoroethane	50	0	41	ug/L	82				61	145		
1,1-Dichloroethene	50	0	44.5	ug/L	89				55	148		
Acetone	250	79.8	300	ug/L	88				11	159		
Carbon disulfide	50	0	42.2	ug/L	84				13	149		
Methyl tert-butyl Ether	50	4	50.4	ug/L	93				60	145		
Methyl Acetate	50	0	54.5	ug/L	109				27	167		
Methylene Chloride	50	0	44.1	ug/L	88				56	146		
trans-1,2-Dichloroethene	50	0	43.7	ug/L	87				60	141		
1,1-Dichloroethane	50	0	45.6	ug/L	91				61	144		
Cyclohexane	50	0	43.8	ug/L	88				57	142		
2-Butanone	250	9.4	260	ug/L	100				42	145		
Carbon Tetrachloride	50	0	45.1	ug/L	90				60	140		
cis-1,2-Dichloroethene	50	0	45.8	ug/L	92				48	156		
Bromochloromethane	50	0	48	ug/L	96				59	146		
Chloroform	50	0	46.5	ug/L	93				63	140		
1,1,1-Trichloroethane	50	0	44.8	ug/L	90				65	140		
Methylcyclohexane	50	0	40.3	ug/L	81				62	128		
Benzene	50	7.6	56.7	ug/L	98				62	134		
1,2-Dichloroethane	50	0	48.3	ug/L	97				67	136		
Trichloroethene	50	0	44	ug/L	88				64	131		
1,2-Dichloropropane	50	0	47.8	ug/L	96				69	130		
Bromodichloromethane	50	0	46.7	ug/L	93				66	132		
4-Methyl-2-Pentanone	250	3.4	280	ug/L	111				57	148		
Toluene	50	0	47.1	ug/L	94				68	129		
t-1,3-Dichloropropene	50	0	44.7	ug/L	89				54	136		
cis-1,3-Dichloropropene	50	0	44.1	ug/L	88				56	133		
1,1,2-Trichloroethane	50	0	48	ug/L	96				68	134		
2-Hexanone	250	0	270	ug/L	108				46	158		
Dibromochloromethane	50	0	46.4	ug/L	93				59	136		
1,2-Dibromoethane	50	0	49.2	ug/L	98				65	138		
Tetrachloroethene	50	0	39.1	ug/L	78				29	137		
Chlorobenzene	50	0	46.3	ug/L	93				68	126		
Ethyl Benzene	50	0	45.7	ug/L	91				61	131		
m/p-Xylenes	100	0	92	ug/L	92				64	125		
o-Xylene	50	0	47.6	ug/L	95				65	126		
Styrene	50	0	43.3	ug/L	87				40	140		
Bromoform	50	0	45.8	ug/L	92				42	134		
Isopropylbenzene	50	0	46.4	ug/L	93				58	132		
1,1,2,2-Tetrachloroethane	50	0	51.4	ug/L	103				61	136		
1,3-Dichlorobenzene	50	0	46.5	ug/L	93				63	125		
1,4-Dichlorobenzene	50	0	46.5	ug/L	93				64	124		

**Matrix Spike/Matrix Spike Duplicate Summary
SW-846**SDG No.: J3577Client: Day Environmental, Inc.Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
1,2-Dichlorobenzene	50	0	47.6	ug/L	95				64	126		
1,2-Dibromo-3-Chloropropane	50	0	52.9	ug/L	106				57	139		
1,2,4-Trichlorobenzene	50	0	51.6	ug/L	103				57	130		
1,2,3-Trichlorobenzene	50	0	54.8	ug/L	110				57	131		

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: J3577

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	J3529-10MSD	Client Sample ID :	TPTW-04MSD					Datafile :	VU024772.D			
Dichlorodifluoromethane	50	0	42.6	ug/L	85		6		47	161	20	
Chloromethane	50	0	47.2	ug/L	94		2		53	157	20	
Vinyl chloride	50	0	48.4	ug/L	97		4		57	149	20	
Bromomethane	50	0	52.2	ug/L	104		0		45	165	20	
Chloroethane	50	0	54.2	ug/L	108		1		47	166	20	
Trichlorofluoromethane	50	0	45.5	ug/L	91		3		51	165	20	
1,1,2-Trichlorotrifluoroethane	50	0	42.2	ug/L	84		3		61	145	20	
1,1-Dichloroethene	50	0	46.6	ug/L	93		5		55	148	20	
Acetone	250	79.8	310	ug/L	92		4		11	159	20	
Carbon disulfide	50	0	44.1	ug/L	88		4		13	149	20	
Methyl tert-butyl Ether	50	4	52.2	ug/L	96		3		60	145	20	
Methyl Acetate	50	0	55.1	ug/L	110		1		27	167	20	
Methylene Chloride	50	0	45.5	ug/L	91		3		56	146	20	
trans-1,2-Dichloroethene	50	0	44.3	ug/L	89		1		60	141	20	
1,1-Dichloroethane	50	0	47.2	ug/L	94		3		61	144	20	
Cyclohexane	50	0	45	ug/L	90		3		57	142	20	
2-Butanone	250	9.4	280	ug/L	108		8		42	145	20	
Carbon Tetrachloride	50	0	47.8	ug/L	96		6		60	140	20	
cis-1,2-Dichloroethene	50	0	48.3	ug/L	97		5		48	156	20	
Bromochloromethane	50	0	48.2	ug/L	96		0		59	146	20	
Chloroform	50	0	48.7	ug/L	97		5		63	140	20	
1,1,1-Trichloroethane	50	0	46.5	ug/L	93		4		65	140	20	
Methylcyclohexane	50	0	40.7	ug/L	81		1		62	128	20	
Benzene	50	7.6	59.9	ug/L	105		7		62	134	20	
1,2-Dichloroethane	50	0	50.7	ug/L	101		5		67	136	20	
Trichloroethene	50	0	45.7	ug/L	91		4		64	131	20	
1,2-Dichloropropane	50	0	50.1	ug/L	100		5		69	130	20	
Bromodichloromethane	50	0	48.6	ug/L	97		4		66	132	20	
4-Methyl-2-Pentanone	250	3.4	290	ug/L	115		4		57	148	20	
Toluene	50	0	49.5	ug/L	99		5		68	129	20	
t-1,3-Dichloropropene	50	0	47.6	ug/L	95		6		54	136	20	
cis-1,3-Dichloropropene	50	0	46.6	ug/L	93		6		56	133	20	
1,1,2-Trichloroethane	50	0	50.9	ug/L	102		6		68	134	20	
2-Hexanone	250	0	280	ug/L	112		4		46	158	20	
Dibromochloromethane	50	0	47.7	ug/L	95		3		59	136	20	
1,2-Dibromoethane	50	0	50.7	ug/L	101		3		65	138	20	
Tetrachloroethene	50	0	41.3	ug/L	83		5		29	137	20	
Chlorobenzene	50	0	48.1	ug/L	96		4		68	126	20	
Ethyl Benzene	50	0	47.5	ug/L	95		4		61	131	20	
m/p-Xylenes	100	0	96.9	ug/L	97		5		64	125	20	
o-Xylene	50	0	49	ug/L	98		3		65	126	20	
Styrene	50	0	46.2	ug/L	92		6		40	140	20	
Bromoform	50	0	47.6	ug/L	95		4		42	134	20	
Isopropylbenzene	50	0	47.5	ug/L	95		2		58	132	20	
1,1,2,2-Tetrachloroethane	50	0	53	ug/L	106		3		61	136	20	
1,3-Dichlorobenzene	50	0	47.9	ug/L	96		3		63	125	20	
1,4-Dichlorobenzene	50	0	47.9	ug/L	96		3		64	124	20	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: J3577

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
1,2-Dichlorobenzene	50	0	48.9	ug/L	98		3		64	126	20	
1,2-Dibromo-3-Chloropropane	50	0	56.2	ug/L	112		6		57	139	20	
1,2,4-Trichlorobenzene	50	0	54.1	ug/L	108		5		57	130	20	
1,2,3-Trichlorobenzene	50	0	57	ug/L	114		4		57	131	20	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J3577

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VU024752.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VU0620WBS01	Dichlorodifluoromethane	20	16.9	ug/L	85			46	139	
	Chloromethane	20	18.4	ug/L	92			58	139	
	Vinyl chloride	20	18.2	ug/L	91			65	137	
	Bromomethane	20	24.1	ug/L	121			50	162	
	Chloroethane	20	20	ug/L	100			54	160	
	Trichlorofluoromethane	20	18.7	ug/L	94			67	143	
	1,1,2-Trichlorotrifluoroethane	20	17.3	ug/L	86			71	136	
	1,1-Dichloroethene	20	17.3	ug/L	86			69	134	
	Acetone	100	87.6	ug/L	88			41	181	
	Carbon disulfide	20	16.6	ug/L	83			63	138	
	Methyl tert-butyl Ether	20	17.8	ug/L	89			72	136	
	Methyl Acetate	20	19.6	ug/L	98			51	158	
	Methylene Chloride	20	17.8	ug/L	89			67	138	
	trans-1,2-Dichloroethene	20	17.5	ug/L	88			72	132	
	1,1-Dichloroethane	20	17.4	ug/L	87			74	135	
	Cyclohexane	20	17.1	ug/L	86			67	132	
	2-Butanone	100	94.5	ug/L	95			64	146	
	Carbon Tetrachloride	20	17.4	ug/L	87			71	134	
	cis-1,2-Dichloroethene	20	17.9	ug/L	90			74	130	
	Bromochloromethane	20	18.7	ug/L	94			71	136	
	Chloroform	20	17.8	ug/L	89			74	134	
	1,1,1-Trichloroethane	20	17	ug/L	85			74	133	
	Methylcyclohexane	20	17.5	ug/L	88			71	125	
	Benzene	20	18.5	ug/L	93			75	125	
	1,2-Dichloroethane	20	18.2	ug/L	91			76	130	
	Trichloroethene	20	17.3	ug/L	86			73	127	
	1,2-Dichloropropane	20	18.9	ug/L	95			76	125	
	Bromodichloromethane	20	17.9	ug/L	90			78	127	
	4-Methyl-2-Pentanone	100	97.5	ug/L	98			71	140	
	Toluene	20	18.7	ug/L	94			74	125	
	t-1,3-Dichloropropene	20	17.8	ug/L	89			74	131	
	cis-1,3-Dichloropropene	20	17.4	ug/L	87			74	128	
	1,1,2-Trichloroethane	20	19.3	ug/L	97			75	129	
	2-Hexanone	100	96.2	ug/L	96			62	153	
	Dibromochloromethane	20	17.4	ug/L	87			74	131	
	1,2-Dibromoethane	20	18.4	ug/L	92			74	129	
	Tetrachloroethene	20	17.3	ug/L	86			46	157	
	Chlorobenzene	20	18.7	ug/L	94			76	123	
	Ethyl Benzene	20	18.2	ug/L	91			75	126	
	m/p-Xylenes	40	37.3	ug/L	93			74	126	
	o-Xylene	20	18.8	ug/L	94			73	127	
	Styrene	20	18.2	ug/L	91			75	126	
	Bromoform	20	17.7	ug/L	89			66	130	
	Isopropylbenzene	20	18.8	ug/L	94			70	127	
	1,1,2,2-Tetrachloroethane	20	20	ug/L	100			66	131	
	1,3-Dichlorobenzene	20	18.4	ug/L	92			70	125	
	1,4-Dichlorobenzene	20	18.4	ug/L	92			71	124	
	1,2-Dichlorobenzene	20	18.9	ug/L	95			71	126	
	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96			62	134	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J3577
 Client: Day Environmental, Inc.
 Analytical Method: SW8260-Low Datafile : VU024752.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VU0620WBS01	1,2,4-Trichlorobenzene	20	20.6	ug/L	103			62	129	
	1,2,3-Trichlorobenzene	20	21.3	ug/L	106			58	130	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VU0620WBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: J3577SAS No.: J3577 SDG NO.: J3577Lab File ID: VU024751.DLab Sample ID: VU0620WBL01Date Analyzed: 06/20/2018Time Analyzed: 11:44GC Column: DB-624UI ID: 0.18 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_U

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VU0620WBS01	VU0620WBS01	VU024752.D	06/20/2018
547-TB061318	J3577-08	VU024755.D	06/20/2018
542-IW-14	J3577-03	VU024756.D	06/20/2018
543-IW-15	J3577-04	VU024757.D	06/20/2018
546-IW-22	J3577-07	VU024758.D	06/20/2018
540-IW-6	J3577-01	VU024762.D	06/20/2018
545-IW-21	J3577-06	VU024763.D	06/20/2018
544-IW-16	J3577-05	VU024765.D	06/20/2018
541-IW-13	J3577-02	VU024766.D	06/20/2018
TPTW-04MS	J3529-09MS	VU024771.D	06/20/2018
TPTW-04MSD	J3529-10MSD	VU024772.D	06/20/2018

COMMENTS: _____



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3577 SAS No.: J3577 SDG NO.: J3577
 Lab File ID: VU024498.D BFB Injection Date: 06/13/2018
 Instrument ID: MSVOA_U BFB Injection Time: 10:59
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	82
175	5.0 - 9.0% of mass 174	6.6 (8) 1
176	95.0 - 101.0% of mass 174	81.5 (99.3) 1
177	5.0 - 9.0% of mass 176	5.1 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VU024499.D	06/13/2018	11:33
VSTDIC005	VSTDIC005	VU024500.D	06/13/2018	11:56
VSTDIC020	VSTDIC020	VU024501.D	06/13/2018	12:19
VSTDIC050	VSTDIC050	VU024502.D	06/13/2018	12:42
VSTDIC100	VSTDIC100	VU024503.D	06/13/2018	13:05
VSTDIC150	VSTDIC150	VU024504.D	06/13/2018	13:28



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3577 SAS No.: J3577 SDG NO.: J3577
 Lab File ID: VU024749.D BFB Injection Date: 06/20/2018
 Instrument ID: MSVOA_U BFB Injection Time: 10:13
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.8
75	30.0 - 60.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	85.4
175	5.0 - 9.0% of mass 174	6.1 (7.2) 1
176	95.0 - 101.0% of mass 174	83.1 (97.3) 1
177	5.0 - 9.0% of mass 176	6.2 (7.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VU024750.D	06/20/2018	10:58
VU0620WBL01	VU0620WBL01	VU024751.D	06/20/2018	11:44
VU0620WBS01	VU0620WBS01	VU024752.D	06/20/2018	12:56
547-TB061318	J3577-08	VU024755.D	06/20/2018	14:11
542-IW-14	J3577-03	VU024756.D	06/20/2018	14:35
543-IW-15	J3577-04	VU024757.D	06/20/2018	14:59
546-IW-22	J3577-07	VU024758.D	06/20/2018	15:23
540-IW-6	J3577-01	VU024762.D	06/20/2018	17:07
545-IW-21	J3577-06	VU024763.D	06/20/2018	17:31
544-IW-16	J3577-05	VU024765.D	06/20/2018	18:20
541-IW-13	J3577-02	VU024766.D	06/20/2018	18:44
TPTW-04MS	J3529-09MS	VU024771.D	06/20/2018	20:46
TPTW-04MSD	J3529-10MSD	VU024772.D	06/20/2018	21:10

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3577 SAS No.: J3577 SDG NO.: J3577
 Lab File ID: VU024750.D Date Analyzed: 06/20/2018
 Instrument ID: MSVOA_U Time Analyzed: 10:58
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	191356	4.99	282219	5.89	269160	9.09
UPPER LIMIT	382712	5.49	564438	6.39	538320	9.59
LOWER LIMIT	95678	4.49	141110	5.39	134580	8.59
EPA SAMPLE NO.						
TPTW-04MS	175049	4.99	272921	5.89	263540	9.09
TPTW-04MSD	172231	4.99	266984	5.89	255679	9.09
540-IW-6	197218	4.99	305166	5.89	282496	9.09
541-IW-13	186881	4.99	295468	5.89	268106	9.09
542-IW-14	197581	4.99	309671	5.89	285092	9.09
543-IW-15	199681	4.99	314494	5.89	288454	9.09
544-IW-16	195077	4.99	299892	5.89	281280	9.09
545-IW-21	193657	4.99	304956	5.89	281242	9.09
546-IW-22	197951	4.99	310745	5.89	287474	9.09
547-TB061318	197358	4.99	304620	5.89	281512	9.09
VU0620WBL01	199567	4.99	312354	5.89	288131	9.09
VU0620WBS01	174388	4.99	263596	5.89	246105	9.09

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3577 SAS No.: J3577 SDG NO.: J3577
 Lab File ID: VU024750.D Date Analyzed: 06/20/2018
 Instrument ID: MSVOA_U Time Analyzed: 10:58
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	162800	11.49				
UPPER LIMIT	325600	11.99				
LOWER LIMIT	81400	10.99				
EPA SAMPLE NO.						
TPTW-04MS	155655	11.49				
TPTW-04MSD	153491	11.49				
540-IW-6	156021	11.49				
541-IW-13	140292	11.49				
542-IW-14	154667	11.49				
543-IW-15	157786	11.49				
544-IW-16	151695	11.49				
545-IW-21	153318	11.49				
546-IW-22	155560	11.49				
547-TB061318	155345	11.49				
VU0620WBL01	154495	11.49				
VU0620WBS01	144534	11.49				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

SAMPLE
DATA

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	540-IW-6	SDG No.:	J3577
Lab Sample ID:	J3577-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024762.D	1		06/20/18 17:07	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	26.5		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	6		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	540-IW-6	SDG No.:	J3577
Lab Sample ID:	J3577-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024762.D	1		06/20/18 17:07	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.9		61 - 141		86%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		69 - 133		93%	SPK: 50
2037-26-5	Toluene-d8	48		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.1		58 - 135		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	197218	4.99				
540-36-3	1,4-Difluorobenzene	305166	5.89				
3114-55-4	Chlorobenzene-d5	282496	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	156021	11.49				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	540-IW-6	SDG No.:	J3577
Lab Sample ID:	J3577-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024762.D	1		06/20/18 17:07	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024762.D
 Acq On : 20 Jun 2018 17:07
 Operator : MD/SY
 Sample : J3577-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 540-IW-6

Quant Time: Jun 20 17:58:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	197218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	305166	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	282496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156021	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138190	42.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		85.84%
35) Dibromofluoromethane	4.89	113	117547	46.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		92.82%
50) Toluene-d8	7.57	98	443477	48.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		96.02%
62) 4-Bromofluorobenzene	10.31	95	161637	44.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		88.14%

Target Compounds

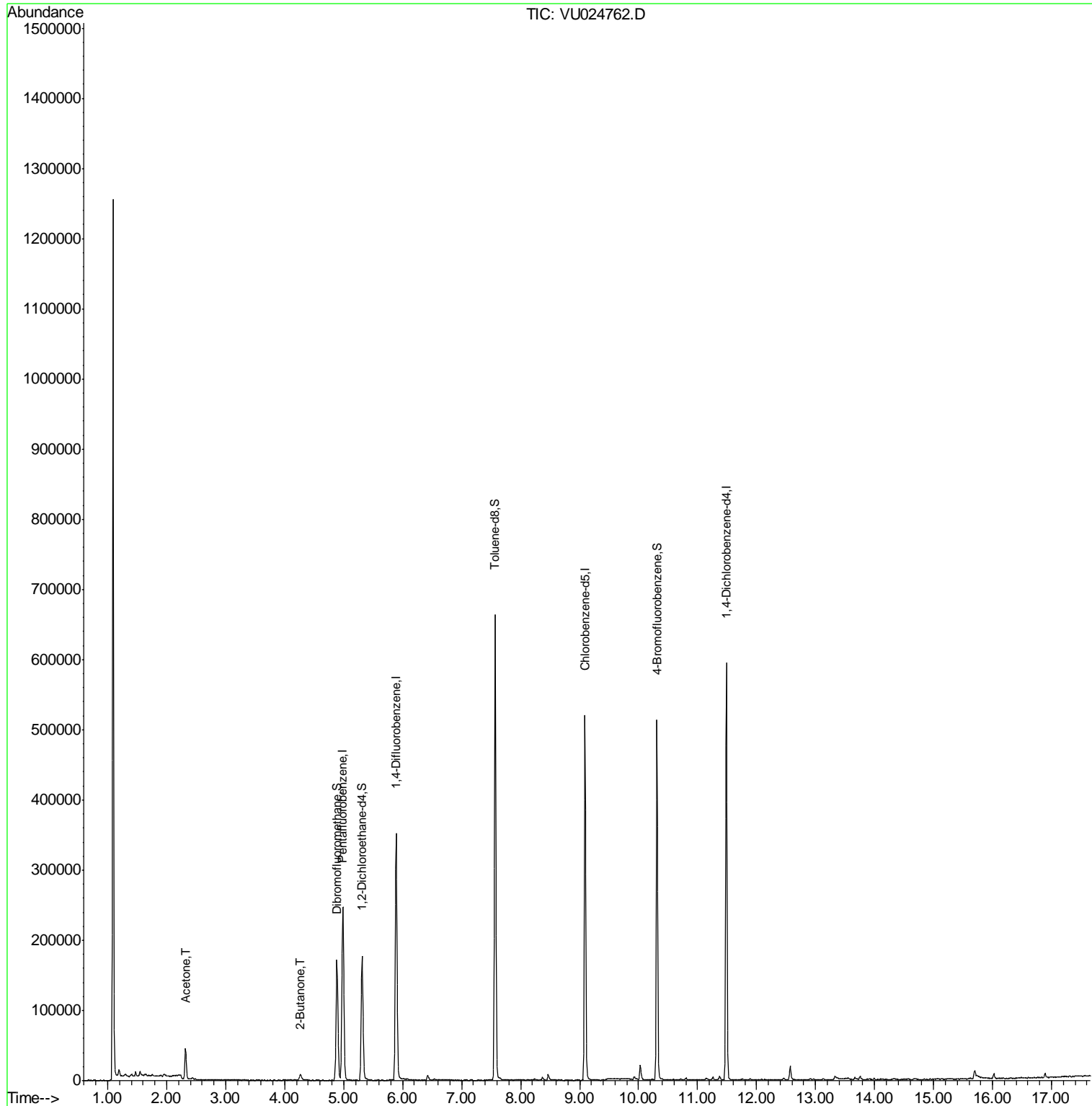
						Qvalue
16) Acetone	2.32	43	45850	26.50	ug/l	94
25) 2-Butanone	4.27	43	14013	6.03	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

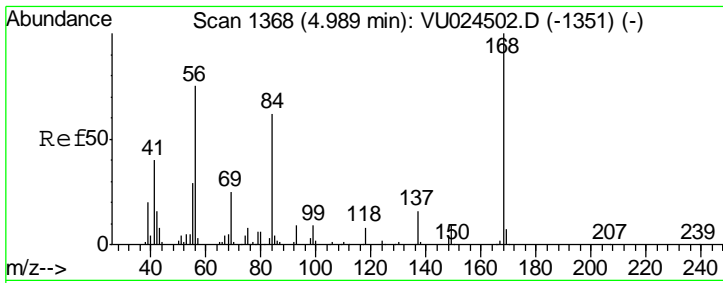
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024762.D
 Acq On : 20 Jun 2018 17:07
 Operator : MD/SY
 Sample : J3577-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 540-IW-6

Quant Time: Jun 20 17:58:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration



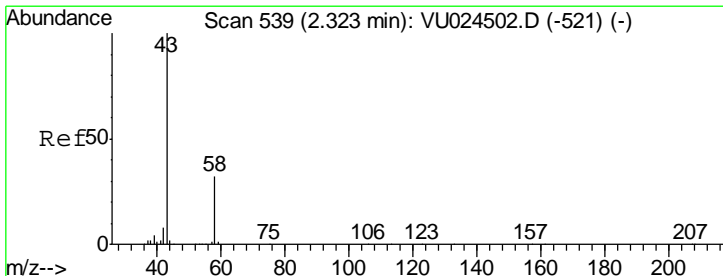
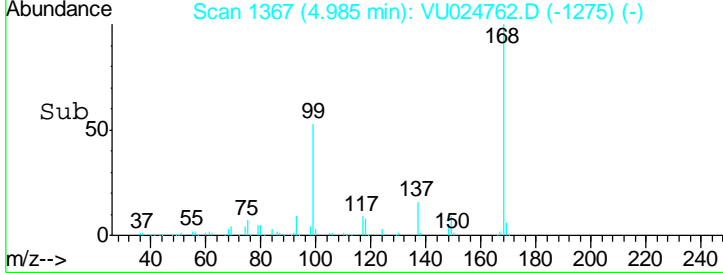
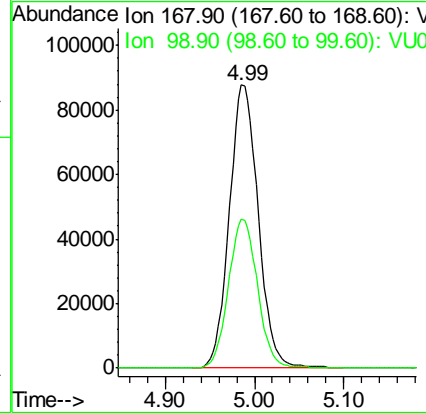
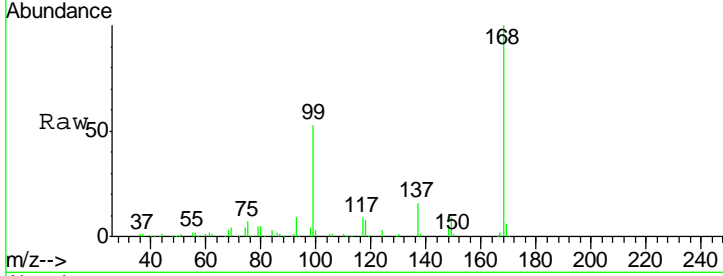
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU024762.D
 Acq: 20 Jun 2018 17:07

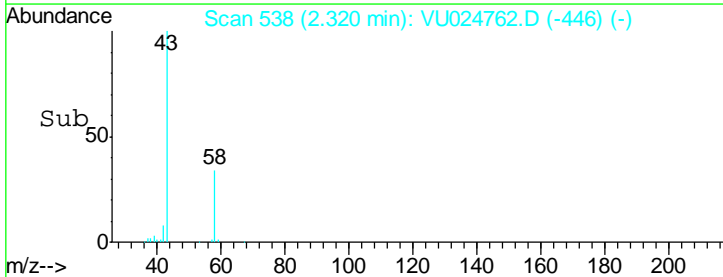
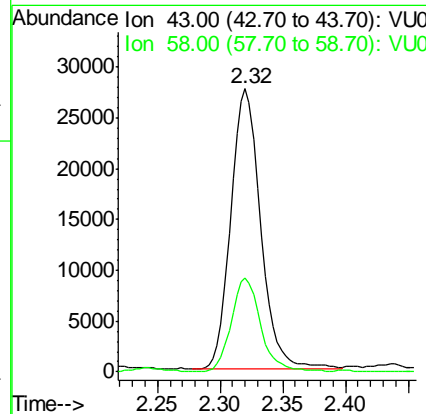
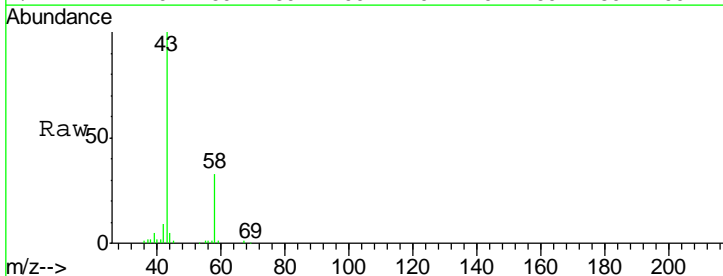
Instrument : MSVOA_U
 ClientSampled : 540-IW-6

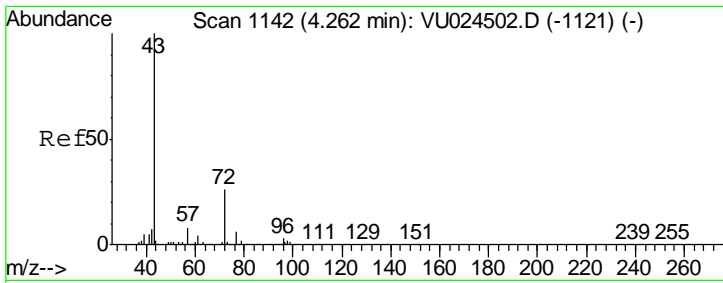
Tgt Ion	Resp	Lower	Upper
168	197218		
99	52.5	43.2	64.8



#16
 Acetone
 Concen: 26.50 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024762.D
 Acq: 20 Jun 2018 17:07

Tgt Ion	Resp	Lower	Upper
43	45850		
58	33.6	24.4	36.6

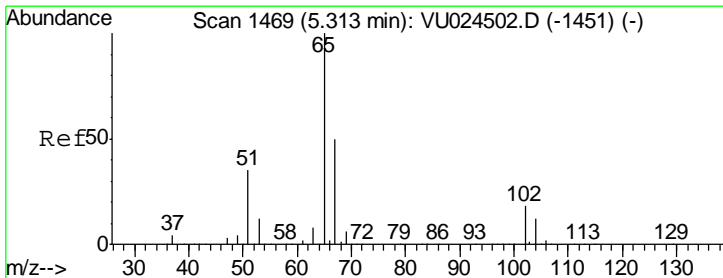
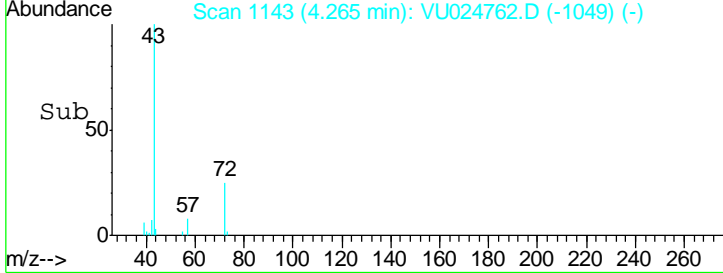
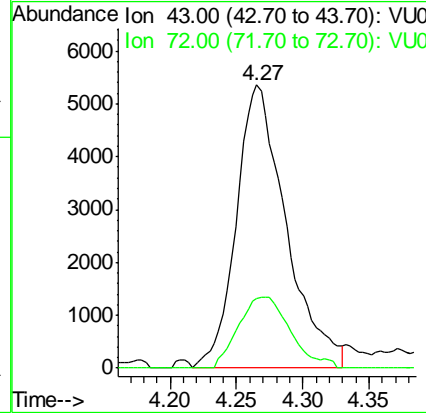
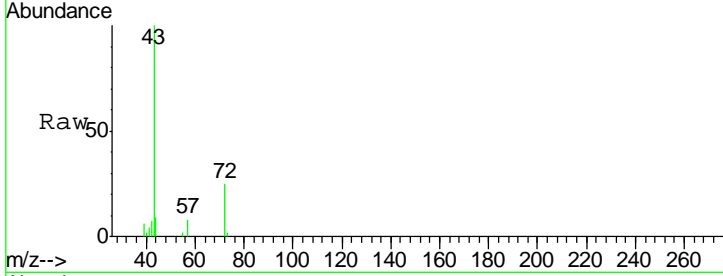




#25
 2-Butanone
 Concen: 6.03 ug/l
 RT: 4.27 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU024762.D
 Acq: 20 Jun 2018 17:07

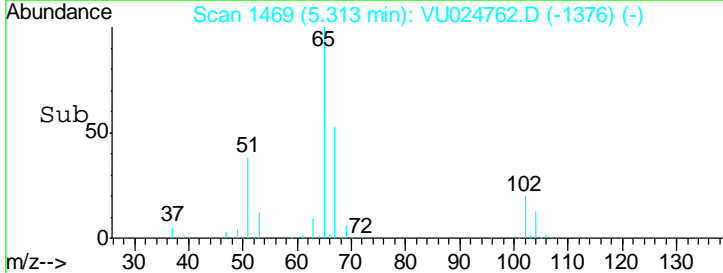
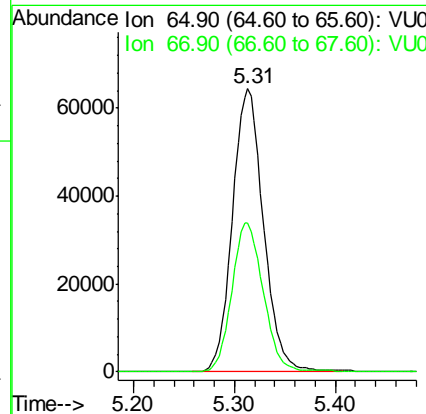
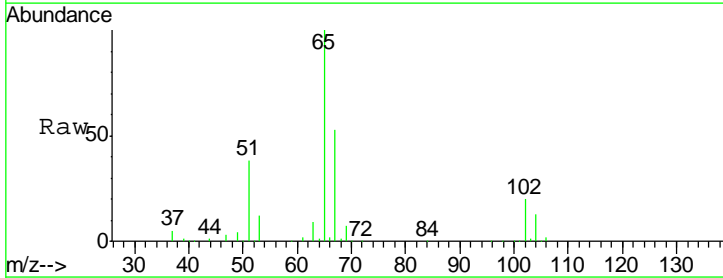
Instrument : MSVOA_U
 ClientSampled : 540-IW-6

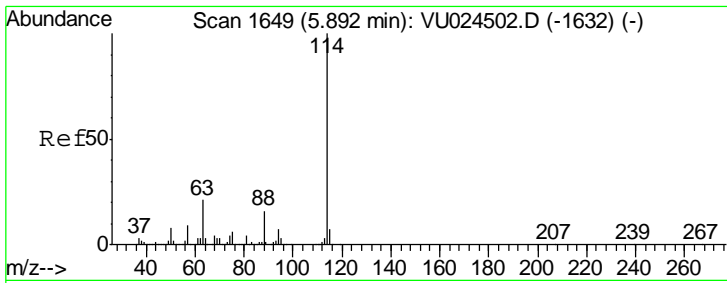
Tgt Ion	Resp	Lower	Upper
43	14013		
72	24.6	19.6	29.4



#33
 1,2-Dichloroethane-d4
 Concen: 42.92 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024762.D
 Acq: 20 Jun 2018 17:07

Tgt Ion	Resp	Lower	Upper
65	138190		
67	53.4	0.0	107.0

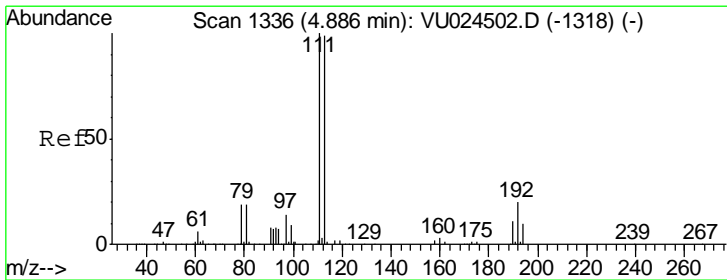
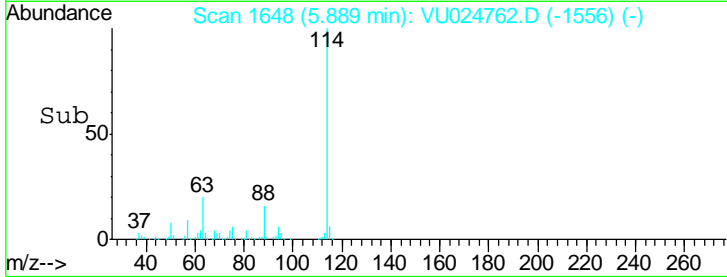
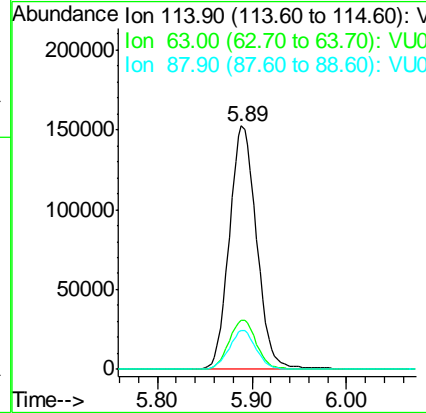
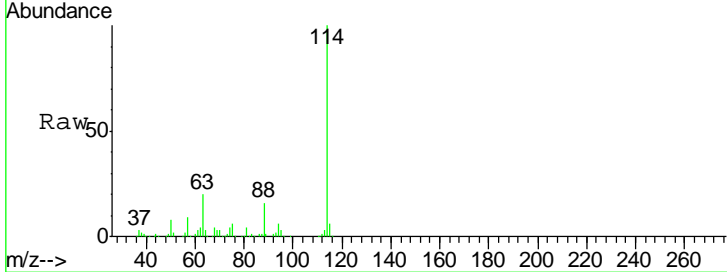




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024762.D
 Acq: 20 Jun 2018 17:07

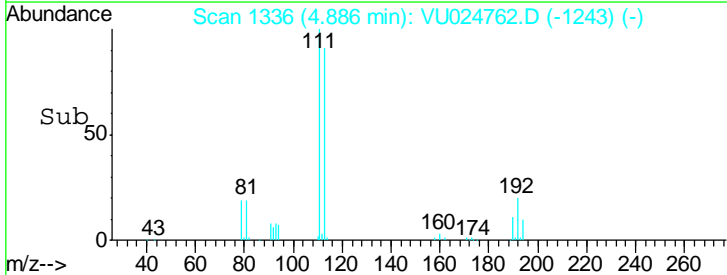
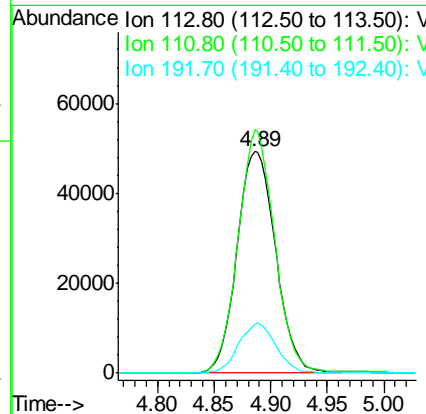
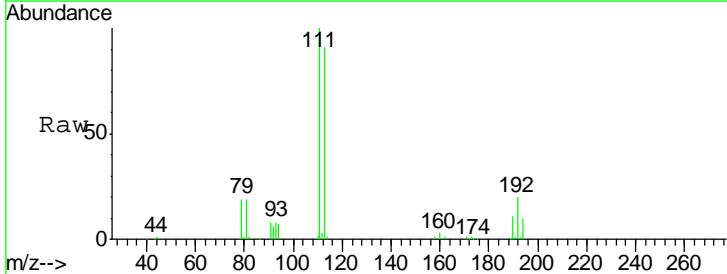
Instrument : MSVOA_U
 ClientSampled : 540-IW-6

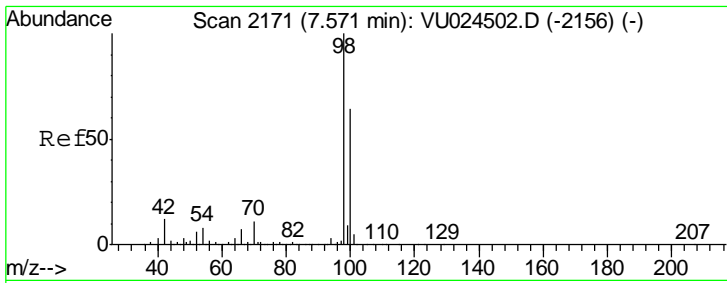
Tgt Ion	Resp	Lower	Upper
114	305166		
63	20.3	0.0	45.4
88	16.1	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 46.41 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024762.D
 Acq: 20 Jun 2018 17:07

Tgt Ion	Resp	Lower	Upper
113	117547		
111	103.7	82.2	123.4
192	21.7	16.2	24.4

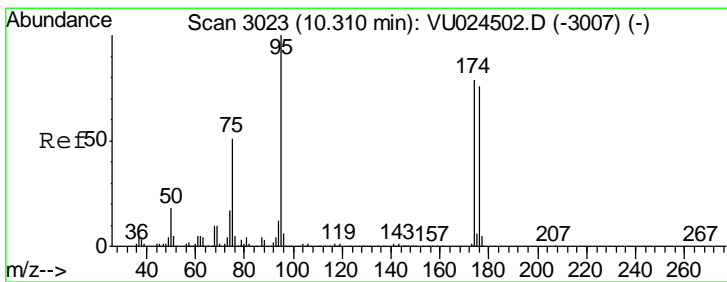
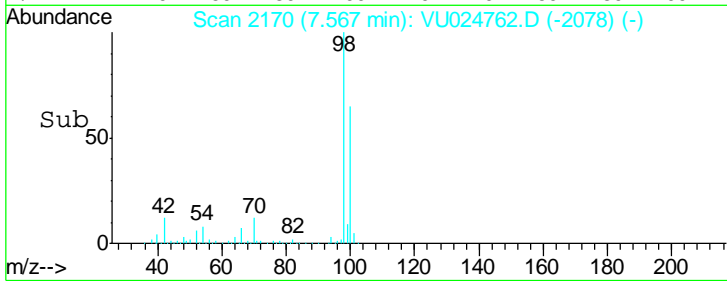
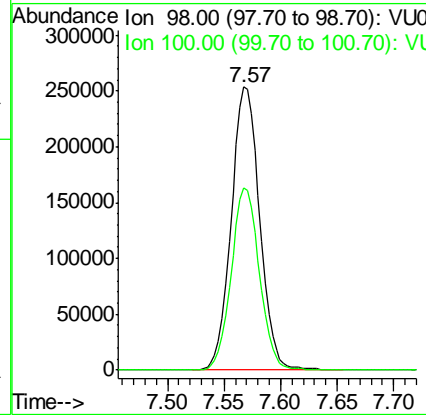
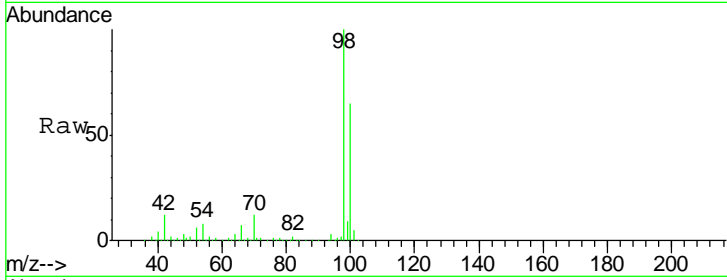




#50
 Toluene-d8
 Concen: 48.01 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024762.D
 Acq: 20 Jun 2018 17:07

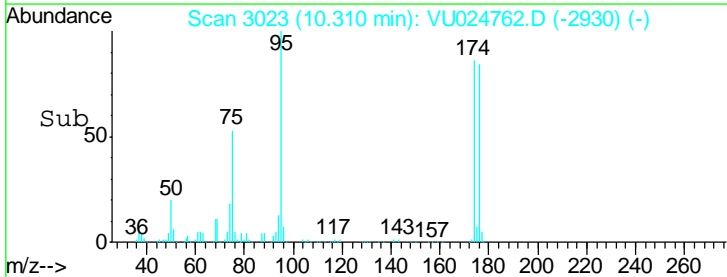
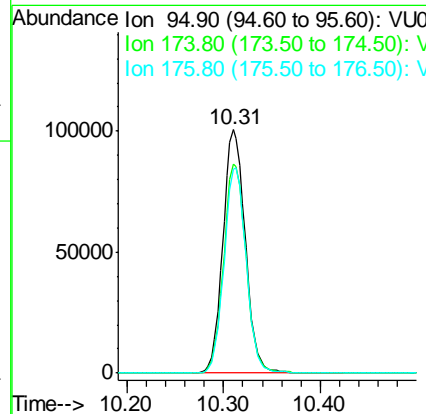
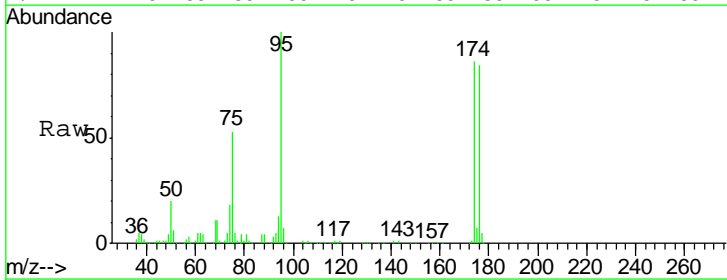
Instrument : MSVOA_U
 ClientSampled : 540-IW-6

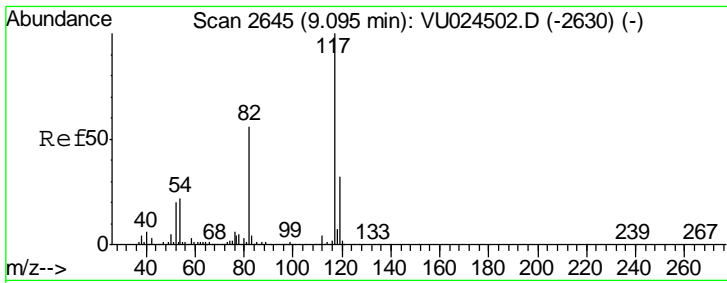
Tgt Ion	Resp	Lower	Upper
98	443477		
98	100		
100	63.8	51.1	76.7



#62
 4-Bromofluorobenzene
 Concen: 44.07 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024762.D
 Acq: 20 Jun 2018 17:07

Tgt Ion	Resp	Lower	Upper
95	161637		
95	100		
174	85.9	0.0	165.8
176	83.4	0.0	159.4

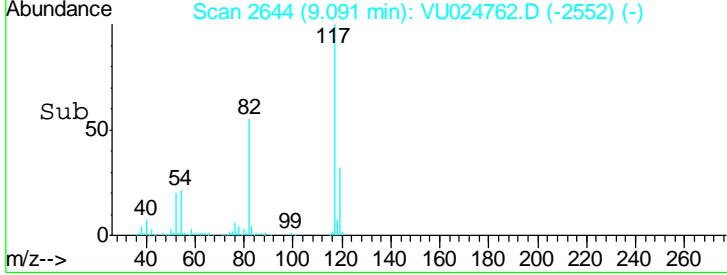
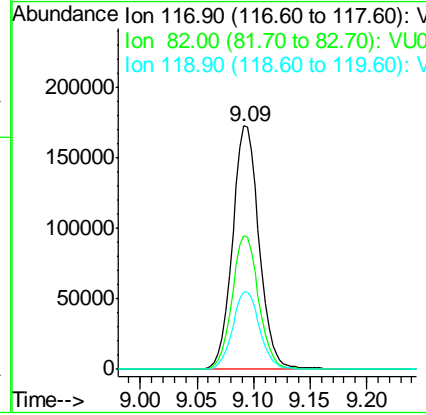
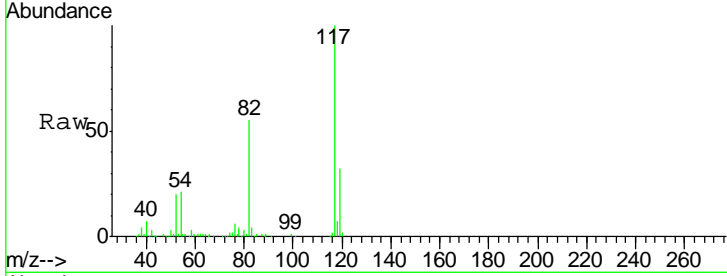




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VU024762.D
 Acq: 20 Jun 2018 17:07

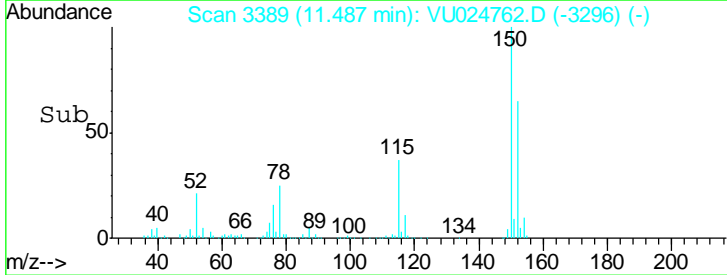
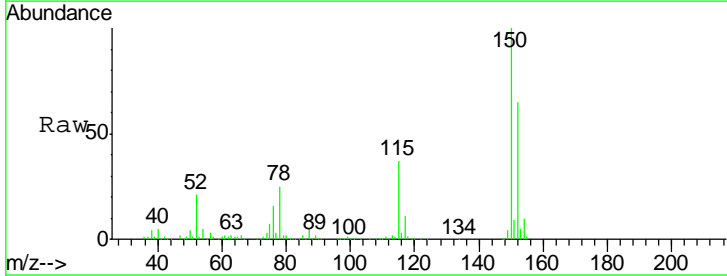
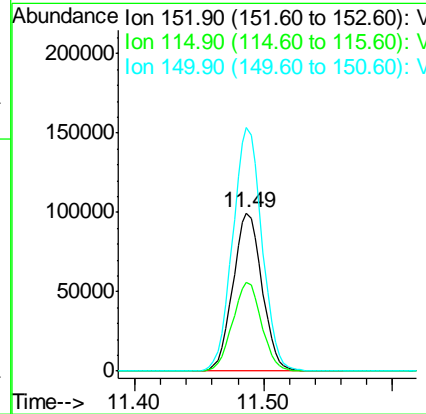
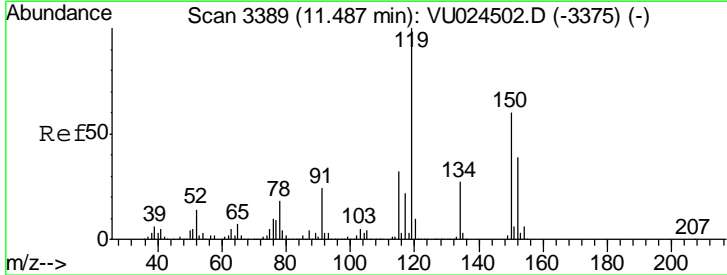
Instrument : MSVOA_U
 ClientSampled : 540-IW-6

Tgt Ion	Resp	Lower	Upper
117	282496		
82	55.0	44.3	66.5
119	31.7	25.4	38.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024762.D
 Acq: 20 Jun 2018 17:07

Tgt Ion	Resp	Lower	Upper
152	156021		
115	55.8	43.0	129.0
150	155.1	0.0	354.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024762.D
 Acq On : 20 Jun 2018 17:07
 Operator : MD/SY
 Sample : J3577-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 540-IW-6

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.088	141	155	173	rBV	1255384	1463152	100.00%	19.573%
2	1.195	180	188	195	rVB2	9321	15066	1.03%	0.202%
3	2.320	527	538	552	rBV	44094	71104	4.86%	0.951%
4	4.265	1130	1143	1163	rBV2	8328	21727	1.48%	0.291%
5	4.886	1319	1336	1353	rBV	172544	395208	27.01%	5.287%
6	4.985	1353	1367	1389	rVB	245758	545053	37.25%	7.291%
7	5.313	1453	1469	1488	rBV	177663	384140	26.25%	5.139%
8	5.889	1633	1648	1672	rBV	351221	701765	47.96%	9.388%
9	6.426	1805	1815	1827	rBV3	6894	14874	1.02%	0.199%
10	7.567	2154	2170	2190	rBV	664044	1161184	79.36%	15.534%
11	8.468	2441	2450	2462	rBV5	8077	14800	1.01%	0.198%
12	9.091	2630	2644	2668	rBV	519708	853692	58.35%	11.420%
13	10.030	2926	2936	2949	rVB2	20823	33313	2.28%	0.446%
14	10.310	3006	3023	3046	rBV	513680	811609	55.47%	10.857%
15	11.487	3377	3389	3410	rBV	594023	935082	63.91%	12.509%
16	12.570	3717	3726	3735	rBV4	19704	28332	1.94%	0.379%
17	15.699	4688	4699	4707	rBV7	12194	25202	1.72%	0.337%

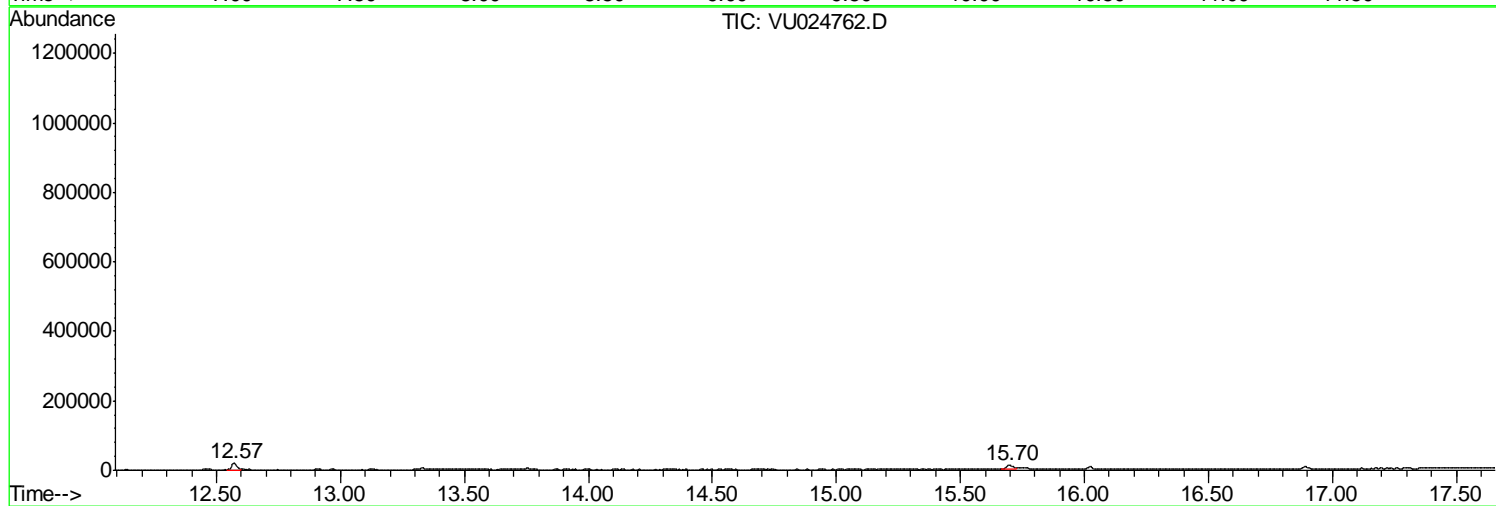
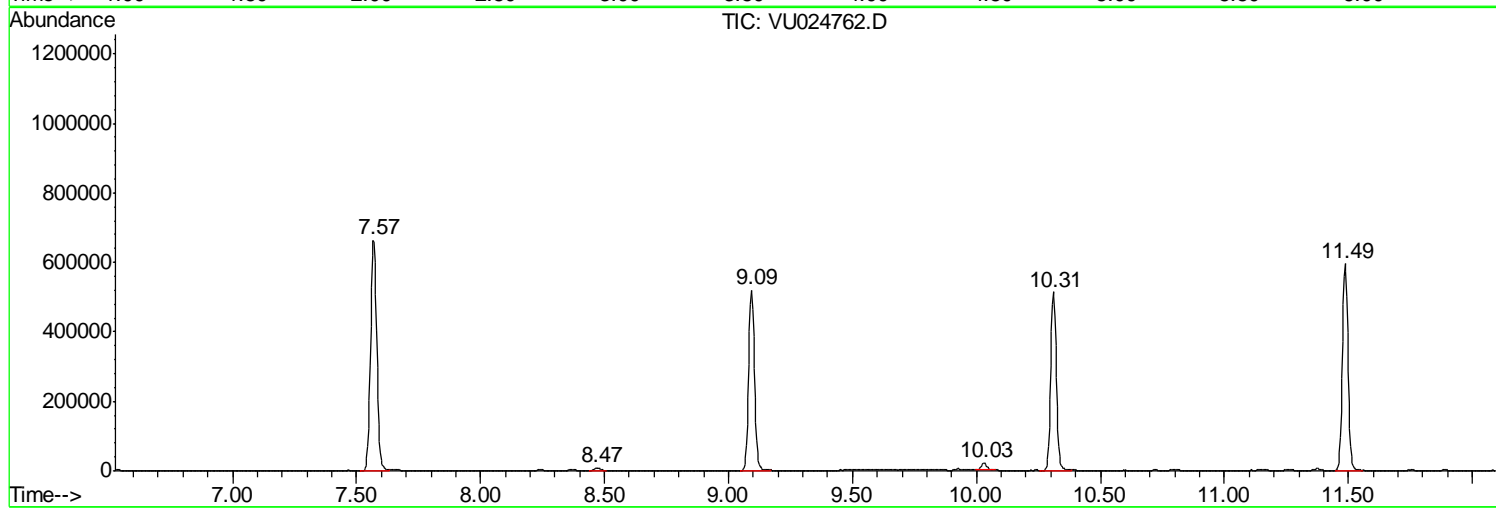
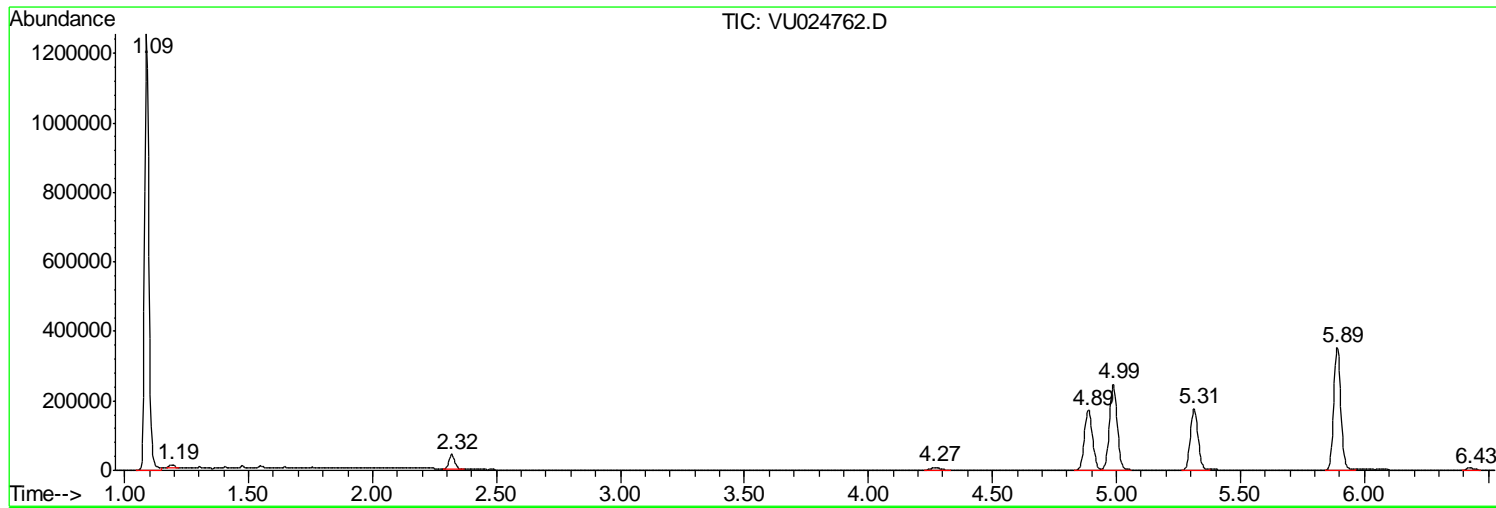
Sum of corrected areas: 7475303

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024762.D
Acq On : 20 Jun 2018 17:07
Operator : MD/SY
Sample : J3577-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
540-IW-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
Data File : VU024762.D
Acq On : 20 Jun 2018 17:07
Operator : MD/SY
Sample : J3577-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
540-IW-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024762.D
 Acq On : 20 Jun 2018 17:07
 Operator : MD/SY
 Sample : J3577-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 540-IW-6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	541-IW-13	SDG No.:	J3577
Lab Sample ID:	J3577-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024766.D	1		06/20/18 18:44	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	410		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	16.3		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	3.1		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	0.55	J	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	541-IW-13	SDG No.:	J3577
Lab Sample ID:	J3577-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024766.D	1		06/20/18 18:44	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	2.3		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.2		61 - 141		86%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		69 - 133		93%	SPK: 50
2037-26-5	Toluene-d8	47.9		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.9		58 - 135		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	186881	4.99				
540-36-3	1,4-Difluorobenzene	295468	5.89				
3114-55-4	Chlorobenzene-d5	268106	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	140292	11.49				
TENTATIVE IDENTIFIED COMPOUNDS							
75-65-0	Tert butyl alcohol	7.6	J			2.82	ug/L
000124-19-6	Nonanal	14.1	J			12.57	ug/L
001195-79-5	Bicyclo[2.2.1]heptan-2-one, 1,3,3-	7.4	J			12.62	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	541-IW-13	SDG No.:	J3577
Lab Sample ID:	J3577-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024766.D	1		06/20/18 18:44	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000464-49-3	(+)-2-Bornanone	5.7	J			13.4	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024766.D
 Acq On : 20 Jun 2018 18:44
 Operator : MD/SY
 Sample : J3577-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 541-IW-13

Quant Time: Jun 21 08:06:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	186881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	295468	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	268106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	140292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	131670	43.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.32%	
35) Dibromofluoromethane	4.89	113	114316	46.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.24%	
50) Toluene-d8	7.57	98	428425	47.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	10.31	95	148862	41.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.84%	

Target Compounds

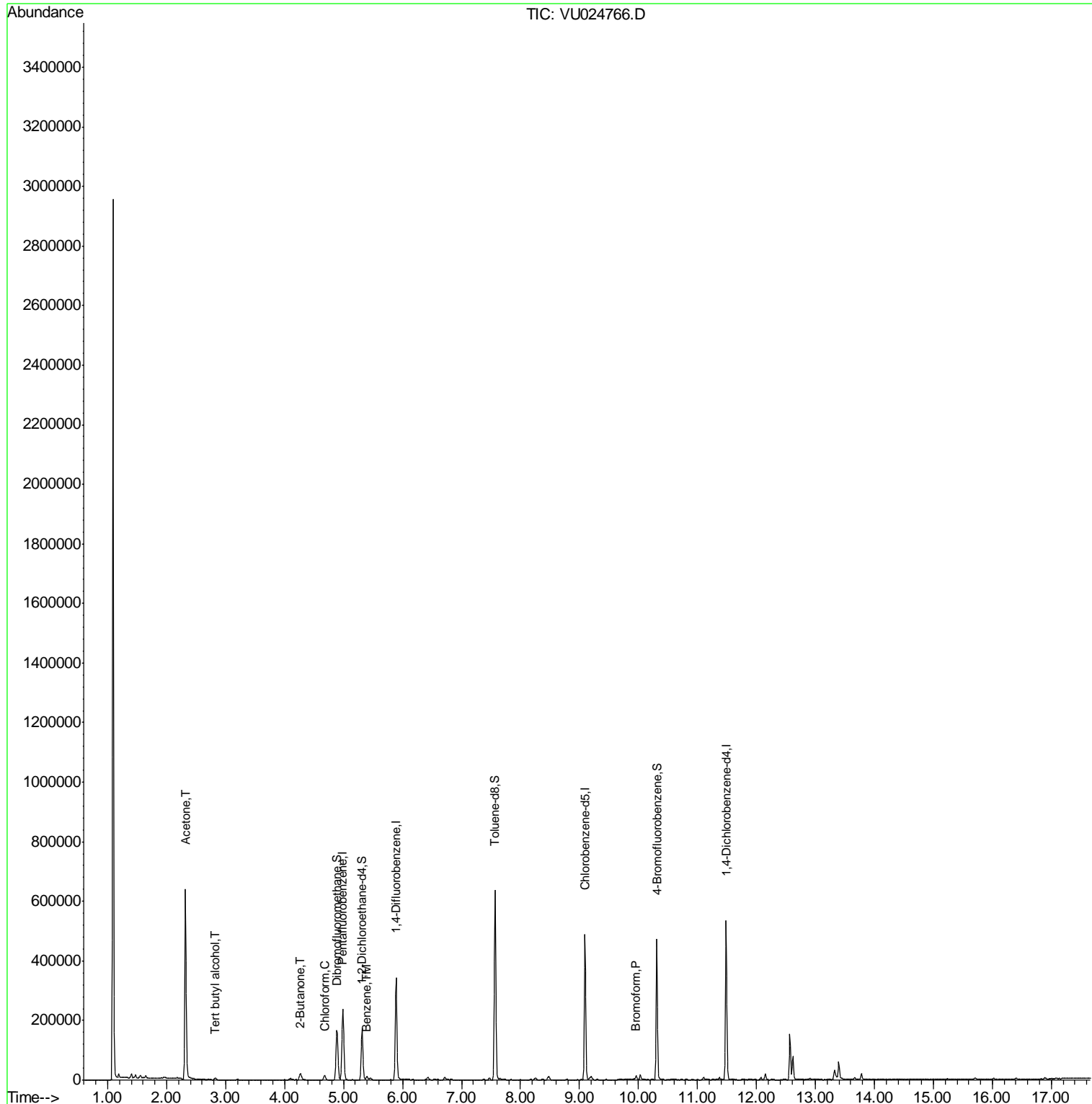
						Qvalue
11) Tert butyl alcohol	2.82	59	5656	7.62	ug/l #	91
16) Acetone	2.32	43	667240	407.04	ug/l	97
25) 2-Butanone	4.26	43	35826	16.27	ug/l	94
30) Chloroform	4.68	83	14212	3.12	ug/l	92
40) Benzene	5.40	78	5472	0.55	ug/l	94
71) Bromoform	9.96	173	5764	2.33	ug/l #	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

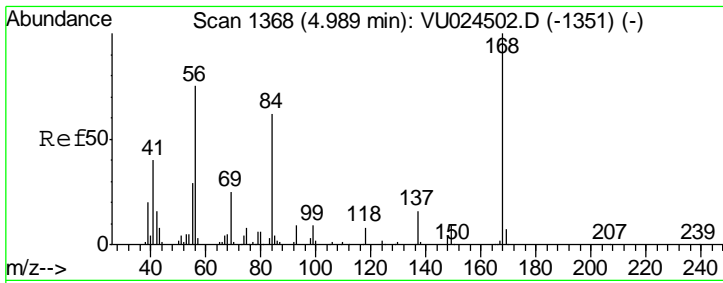
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024766.D
 Acq On : 20 Jun 2018 18:44
 Operator : MD/SY
 Sample : J3577-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 541-IW-13

Quant Time: Jun 21 08:06:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration



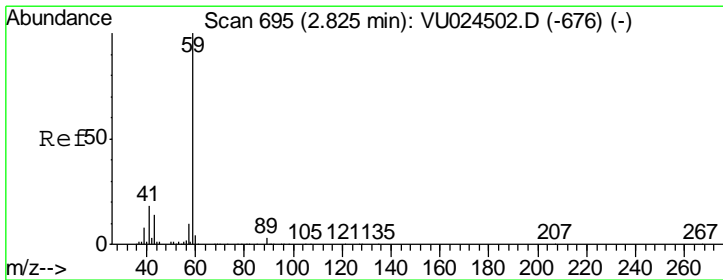
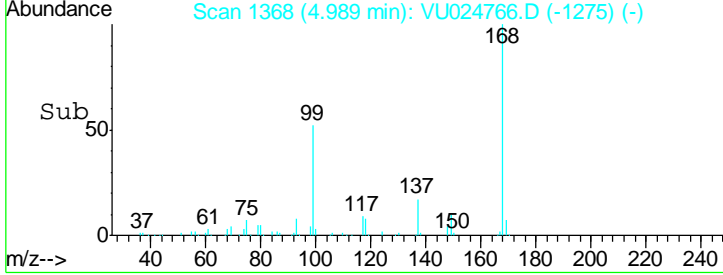
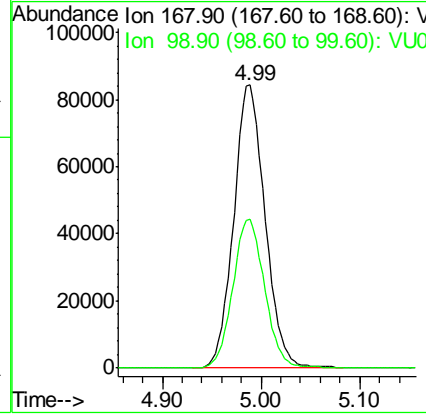
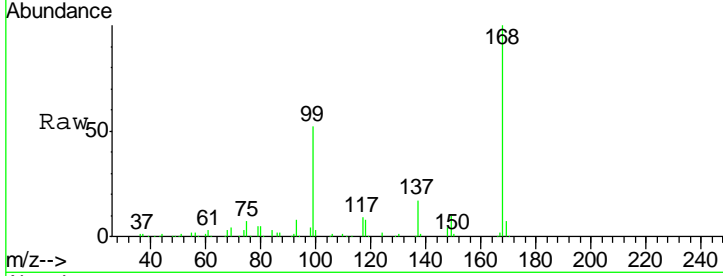
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU024766.D
 Acq: 20 Jun 2018 18:44

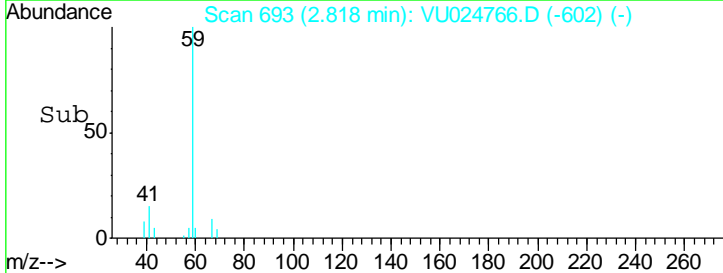
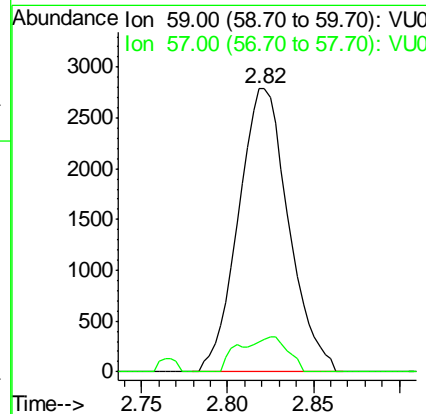
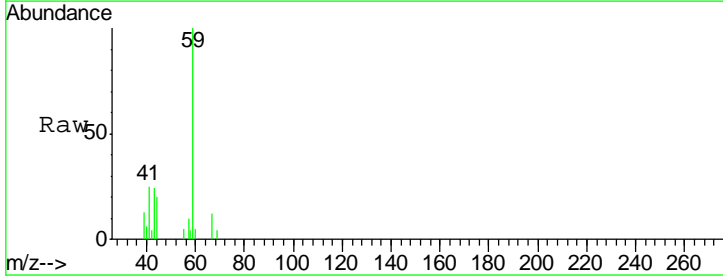
Instrument : MSVOA_U
 ClientSampled : 541-IW-13

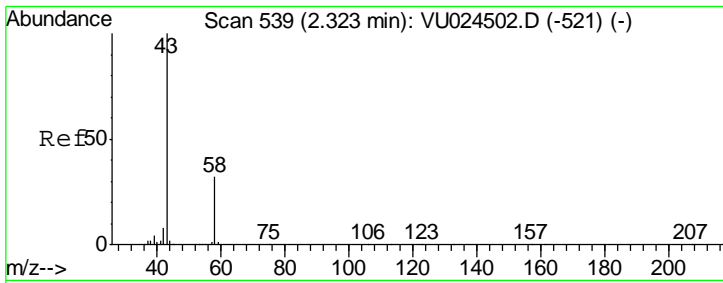
Tgt Ion	Resp	Lower	Upper
168	186881		
99	52.5	43.2	64.8



#11
 Tert butyl alcohol
 Concen: 7.62 ug/l
 RT: 2.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VU024766.D
 Acq: 20 Jun 2018 18:44

Tgt Ion	Resp	Lower	Upper
59	5656		
57	7.1	8.5	12.7#

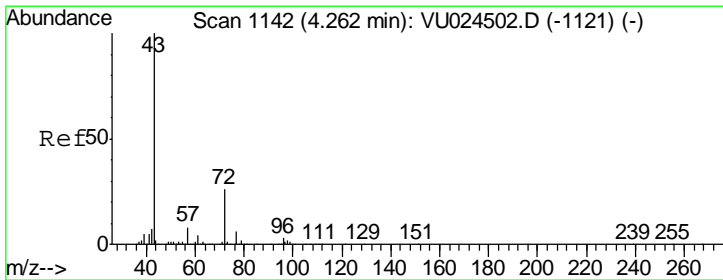
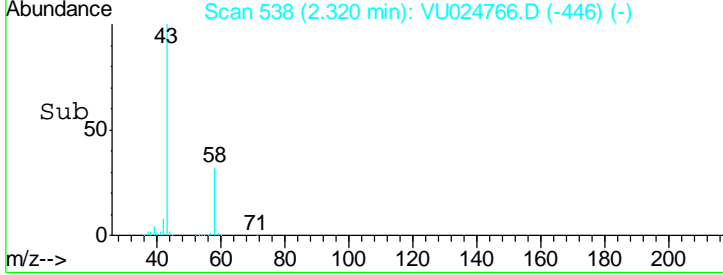
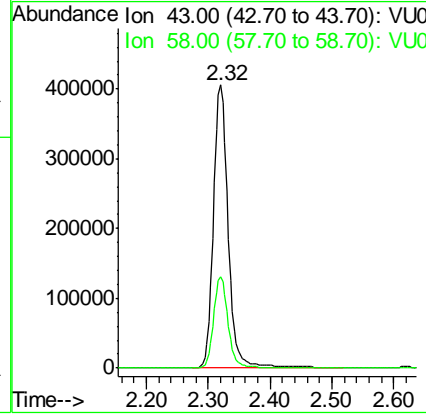
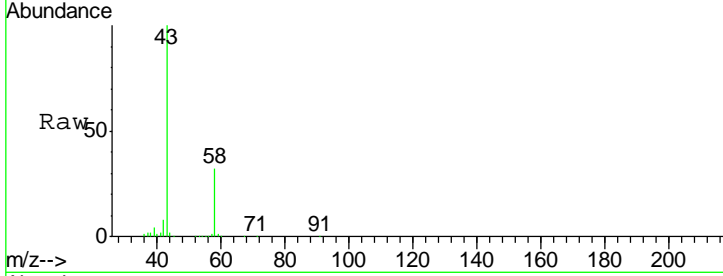




#16
 Acetone
 Concen: 407.04 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024766.D
 Acq: 20 Jun 2018 18:44

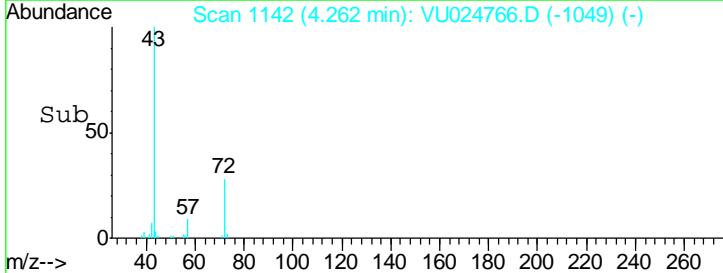
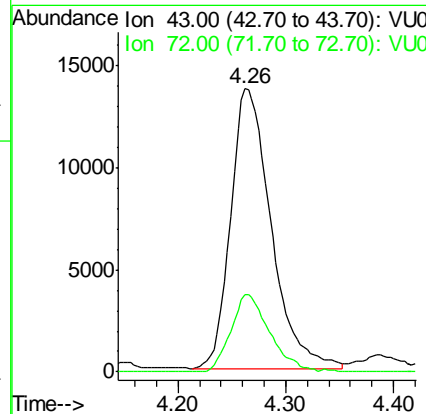
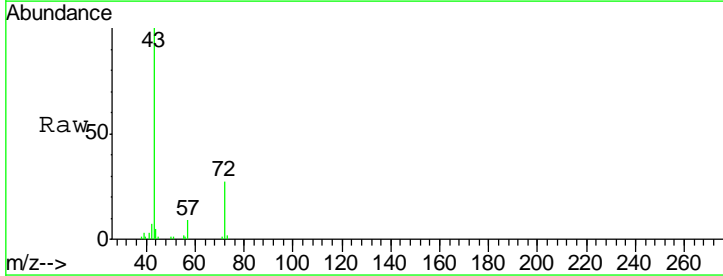
Instrument : MSVOA_U
 Client Sampled : 541-IW-13

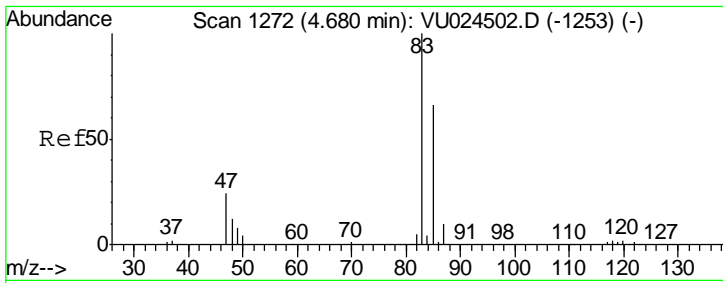
Tgt Ion	Resp	Lower	Upper
43	100		
58	32.4	24.4	36.6



#25
 2-Butanone
 Concen: 16.27 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU024766.D
 Acq: 20 Jun 2018 18:44

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.6	19.6	29.4

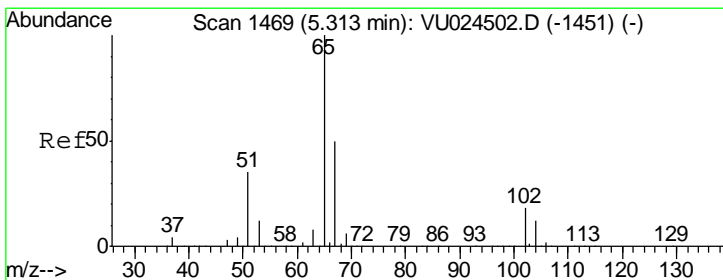
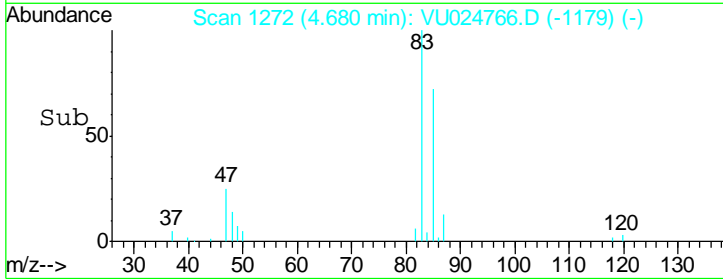
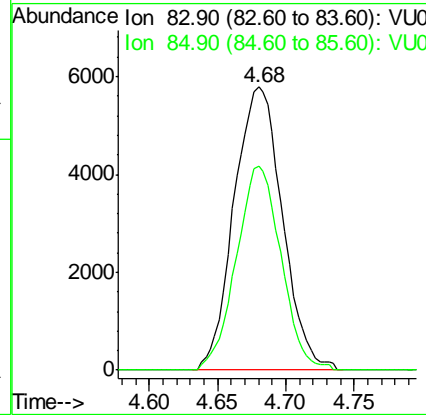
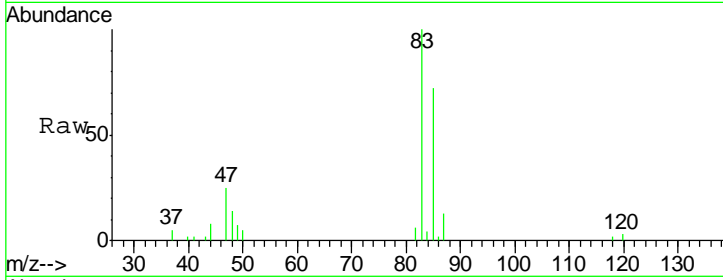




#30
 Chloroform
 Concen: 3.12 ug/l
 RT: 4.68 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU024766.D
 Acq: 20 Jun 2018 18:44

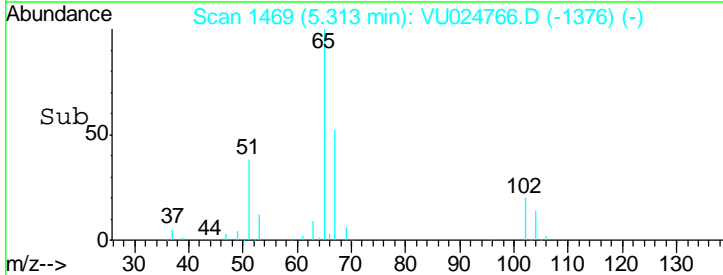
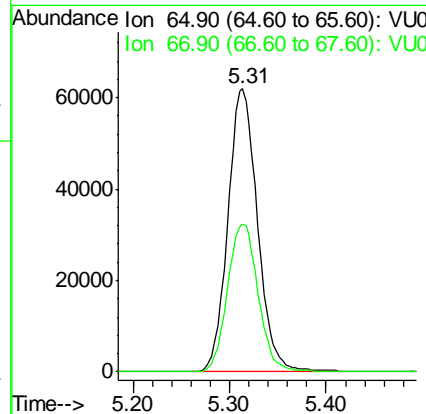
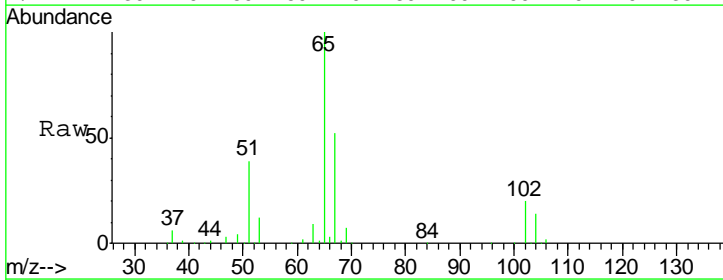
Instrument : MSVOA_U
 ClientSampled : 541-IW-13

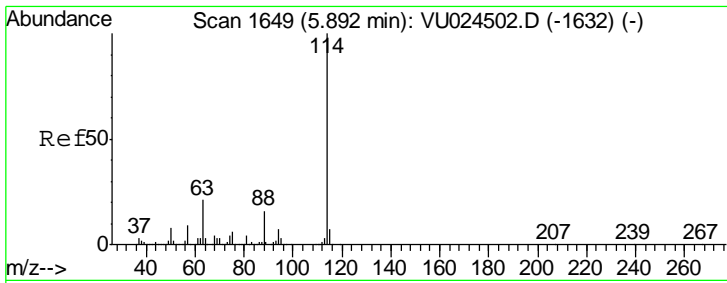
Tgt Ion	Resp	Lower	Upper
83	14212		
85	72.0	52.4	78.6



#33
 1,2-Dichloroethane-d4
 Concen: 43.16 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024766.D
 Acq: 20 Jun 2018 18:44

Tgt Ion	Resp	Lower	Upper
65	131670		
67	53.7	0.0	107.0

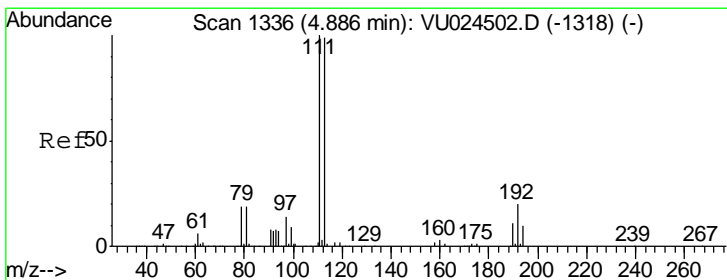
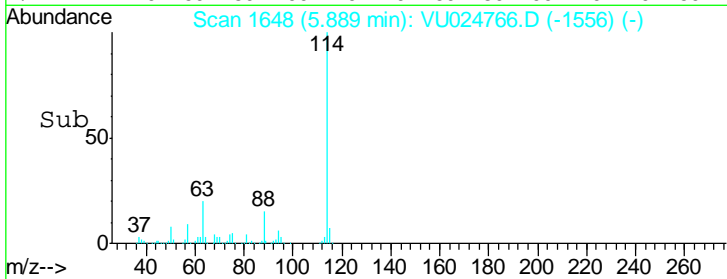
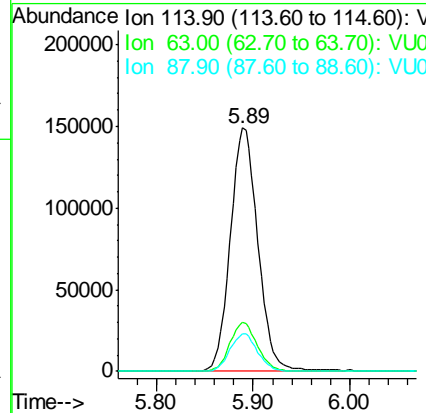
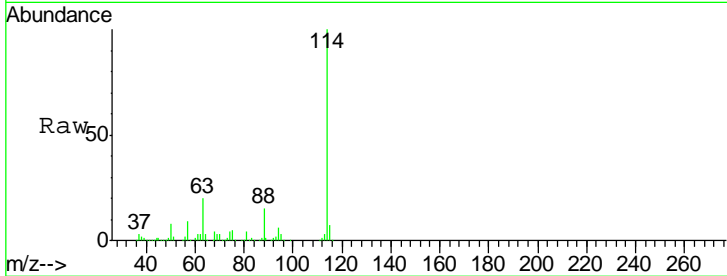




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024766.D
 Acq: 20 Jun 2018 18:44

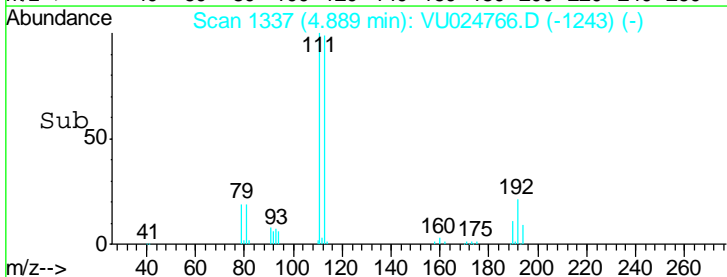
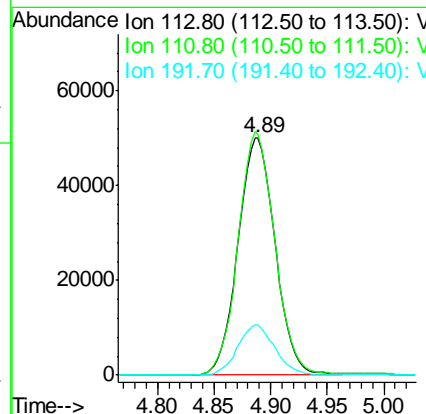
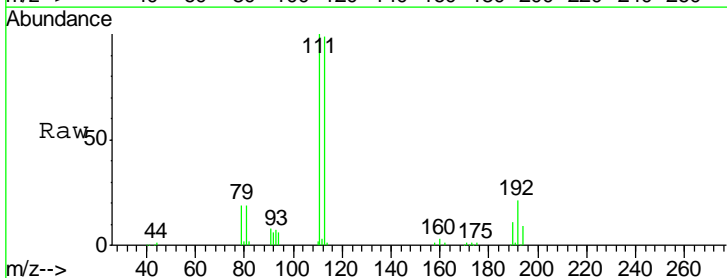
Instrument : MSVOA_U
 ClientSampled : 541-IW-13

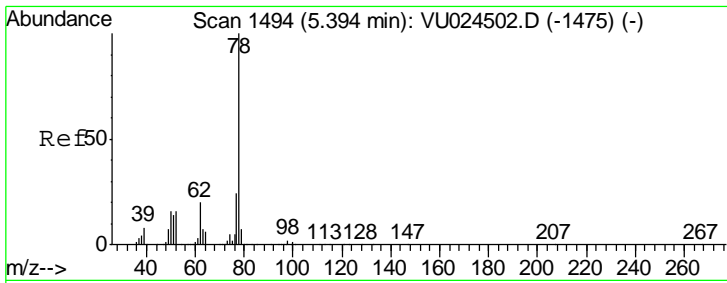
Tgt Ion	Resp	Lower	Upper
114	295468		
63	20.2	0.0	45.4
88	15.2	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 46.62 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024766.D
 Acq: 20 Jun 2018 18:44

Tgt Ion	Resp	Lower	Upper
113	114316		
111	101.2	82.2	123.4
192	21.1	16.2	24.4

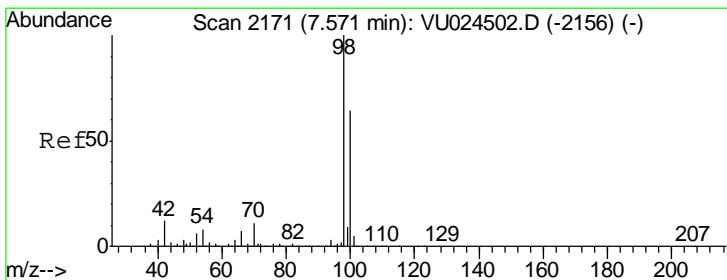
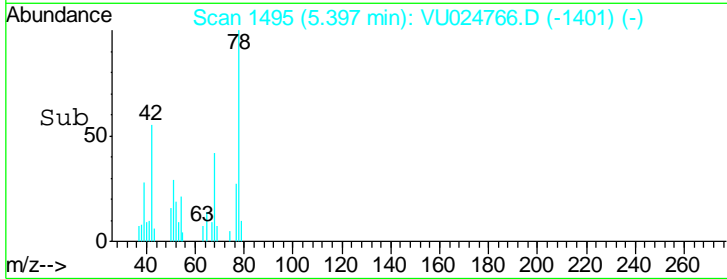
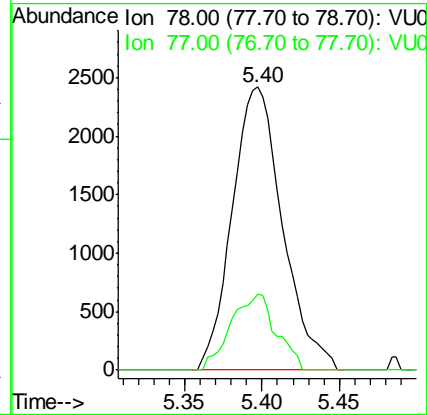
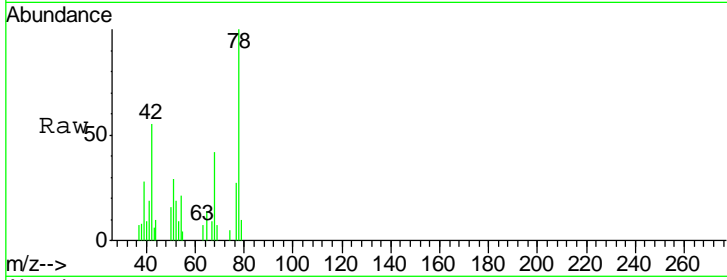




#40
Benzene
Concen: 0.55 ug/l
RT: 5.40 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VU024766.D
Acq: 20 Jun 2018 18:44

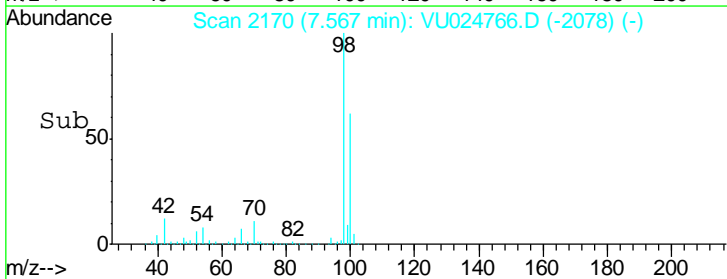
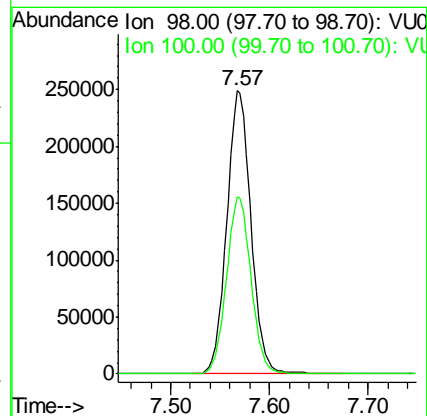
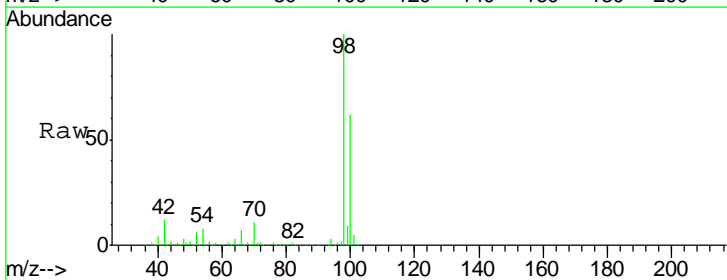
Instrument : MSVOA_U
ClientSampled : 541-IW-13

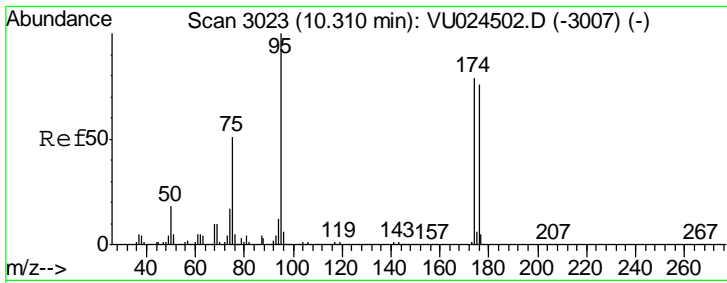
Tgt Ion: 78 Resp: 5472
Ion Ratio Lower Upper
78 100
77 27.0 19.2 28.8



#50
Toluene-d8
Concen: 47.90 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024766.D
Acq: 20 Jun 2018 18:44

Tgt Ion: 98 Resp: 428425
Ion Ratio Lower Upper
98 100
100 63.3 51.1 76.7

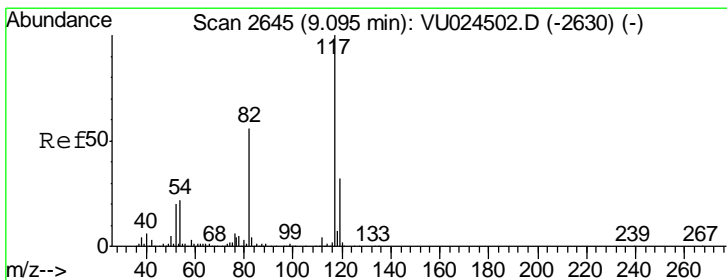
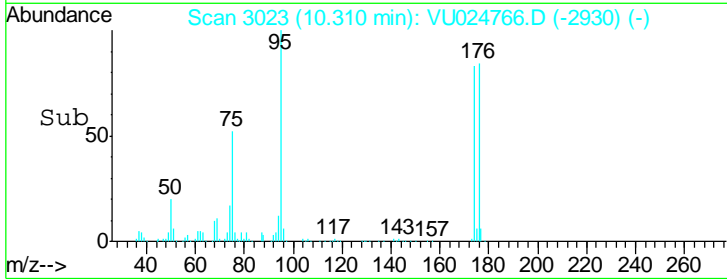
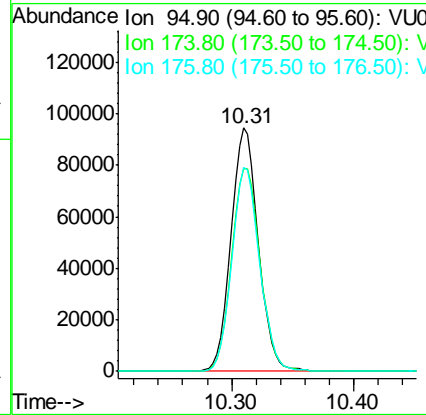
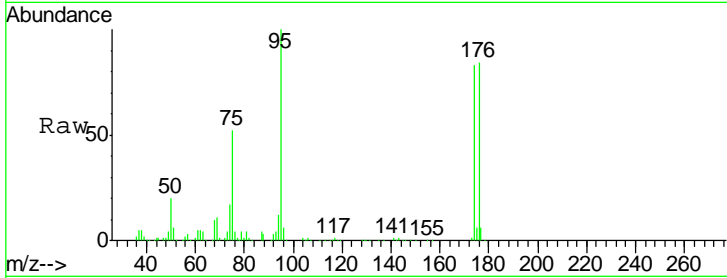




#62
 4-Bromofluorobenzene
 Concen: 41.92 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024766.D
 Acq: 20 Jun 2018 18:44

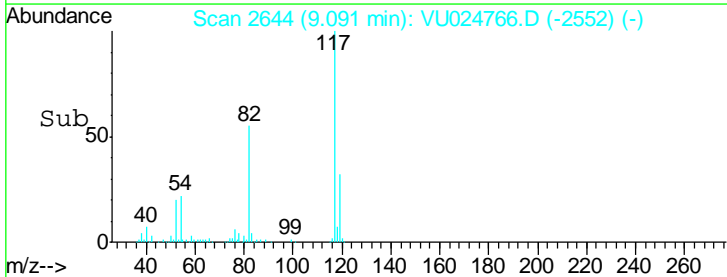
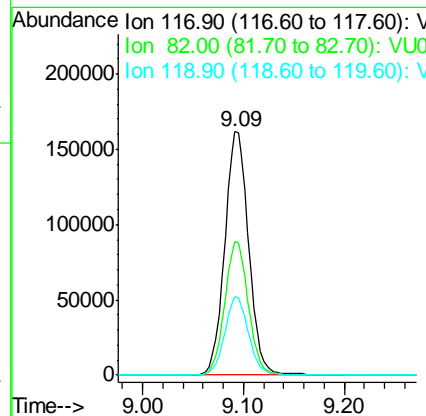
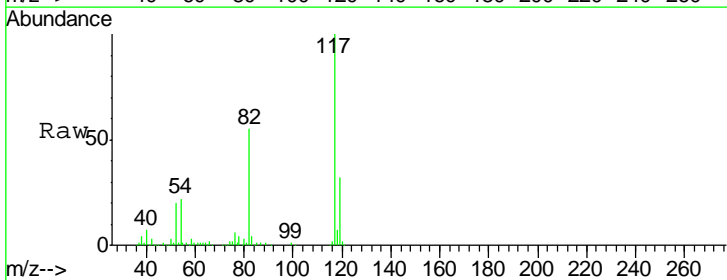
Instrument : MSVOA_U
 ClientSampled : 541-IW-13

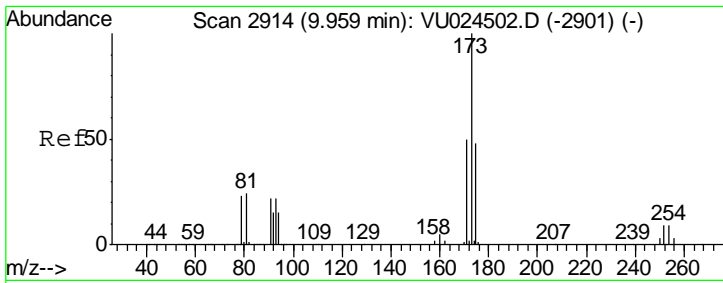
Tgt Ion	Resp	Lower	Upper
95	148862		
174	86.8	0.0	165.8
176	85.0	0.0	159.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VU024766.D
 Acq: 20 Jun 2018 18:44

Tgt Ion	Resp	Lower	Upper
117	268106		
82	54.6	44.3	66.5
119	32.0	25.4	38.2

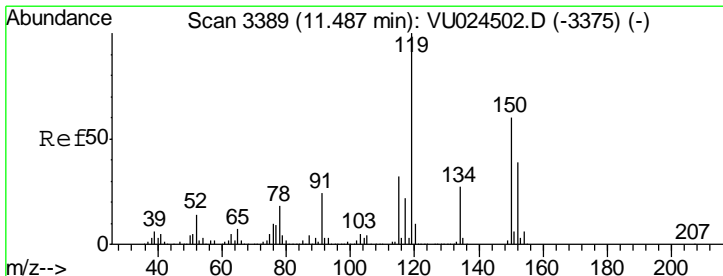
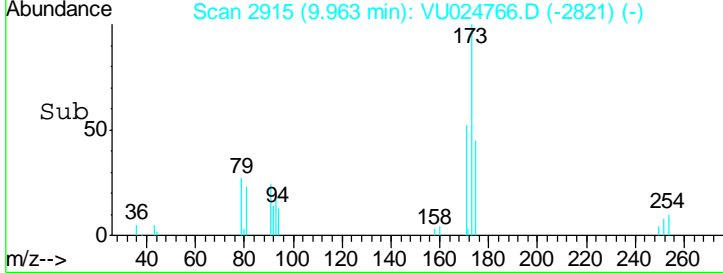
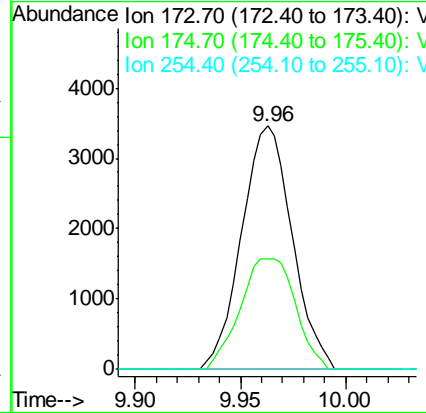
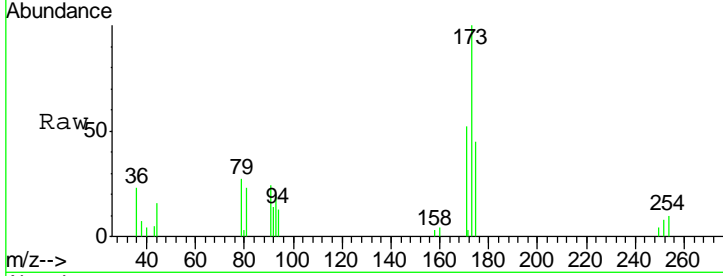




#71
 Bromoform
 Concen: 2.33 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024766.D
 Acq: 20 Jun 2018 18:44

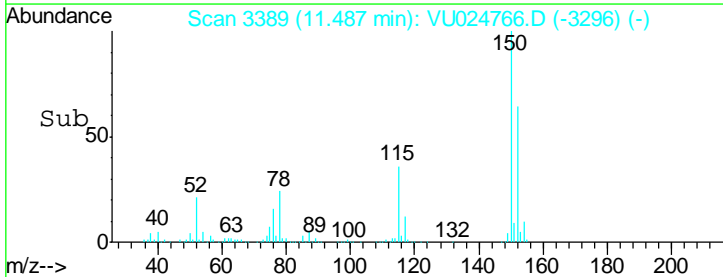
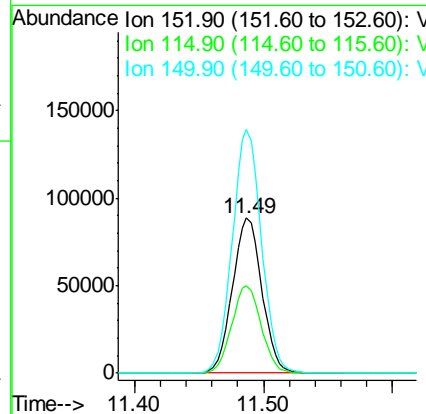
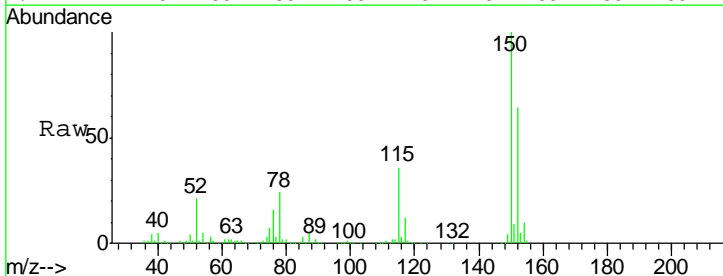
Instrument : MSVOA_U
 ClientSampled : 541-IW-13

Tgt Ion	Resp	Lower	Upper
173	100		
175	49.6	24.6	74.0
254	0.0	0.0	0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024766.D
 Acq: 20 Jun 2018 18:44

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.3	43.0	129.0
150	156.0	0.0	354.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024766.D
 Acq On : 20 Jun 2018 18:44
 Operator : MD/SY
 Sample : J3577-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 541-IW-13

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.089	139	155	176	rBV	2956324	3384368	100.00%	32.242%
2	2.320	525	538	565	rBV	637661	1028151	30.38%	9.795%
3	4.262	1129	1142	1159	rBV	21867	54191	1.60%	0.516%
4	4.680	1256	1272	1286	rBV2	15358	35584	1.05%	0.339%
5	4.886	1320	1336	1353	rBV	166596	377758	11.16%	3.599%
6	4.985	1353	1367	1391	rVB	236309	526062	15.54%	5.012%
7	5.313	1454	1469	1486	rBV	173471	368701	10.89%	3.513%
8	5.889	1632	1648	1672	rBV	342476	677924	20.03%	6.458%
9	7.567	2156	2170	2188	rBV	636781	1113228	32.89%	10.606%
10	9.091	2631	2644	2660	rBV	487353	801566	23.68%	7.636%
11	10.310	3010	3023	3041	rBV	472871	750740	22.18%	7.152%
12	11.487	3371	3389	3407	rBV	532781	845009	24.97%	8.050%
13	12.567	3713	3725	3734	rBV	155147	237619	7.02%	2.264%
14	12.619	3734	3741	3751	rVB	78660	125143	3.70%	1.192%
15	13.323	3945	3960	3973	rBV3	32710	74274	2.19%	0.708%
16	13.397	3974	3983	3998	rVB2	56688	96300	2.85%	0.917%

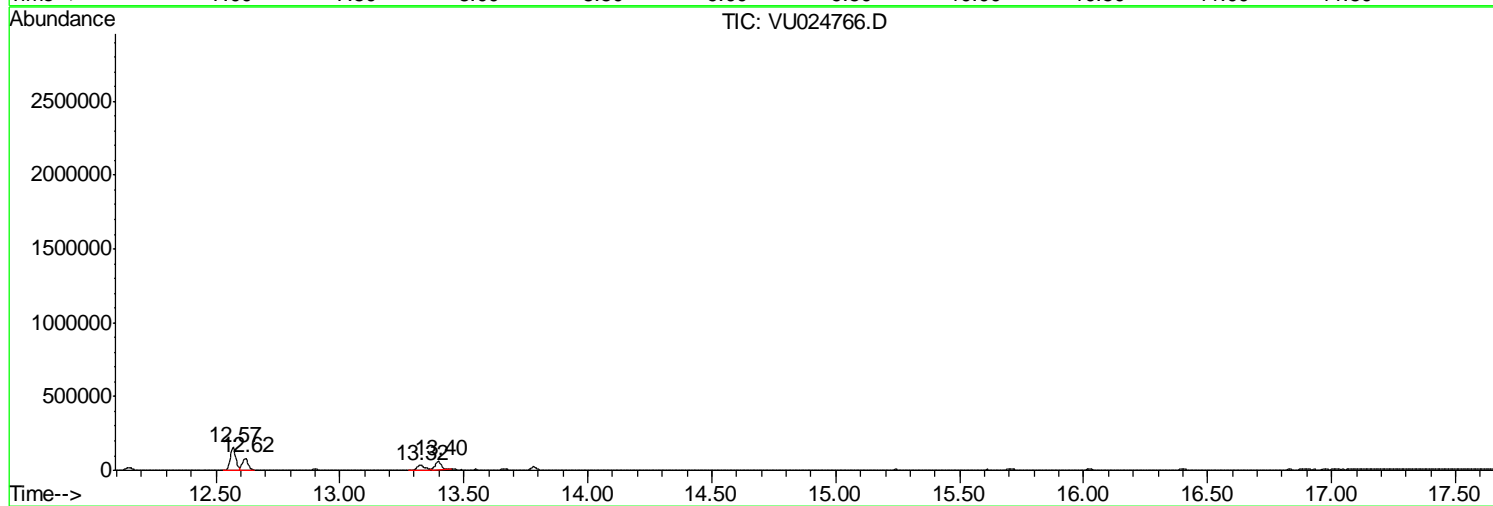
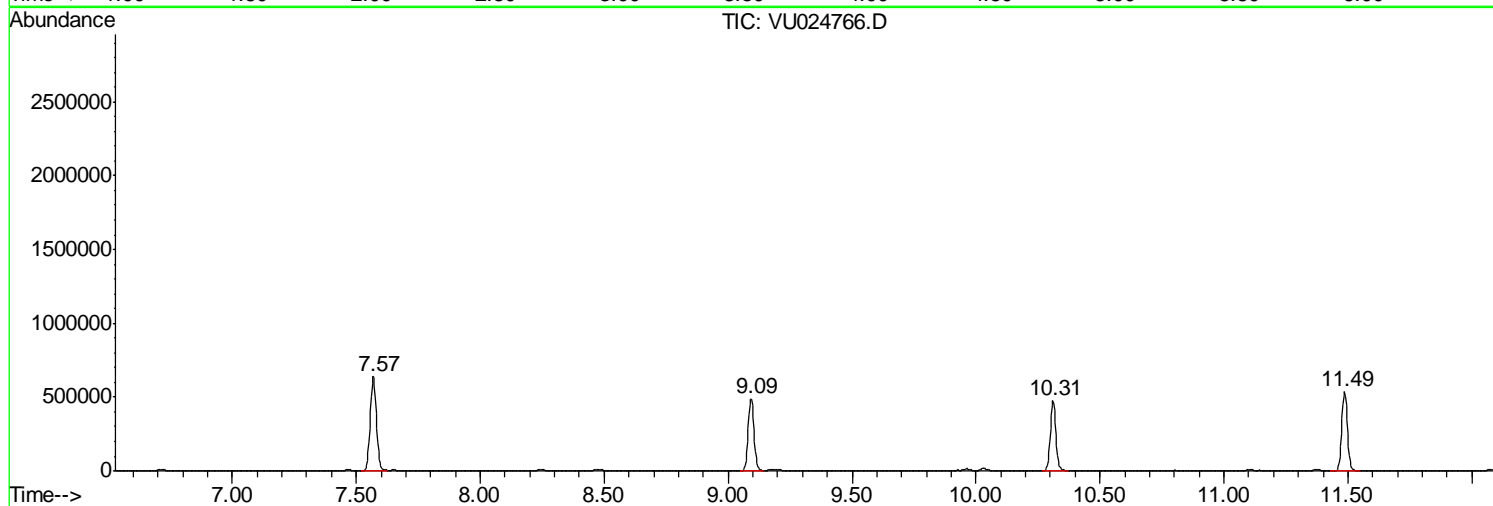
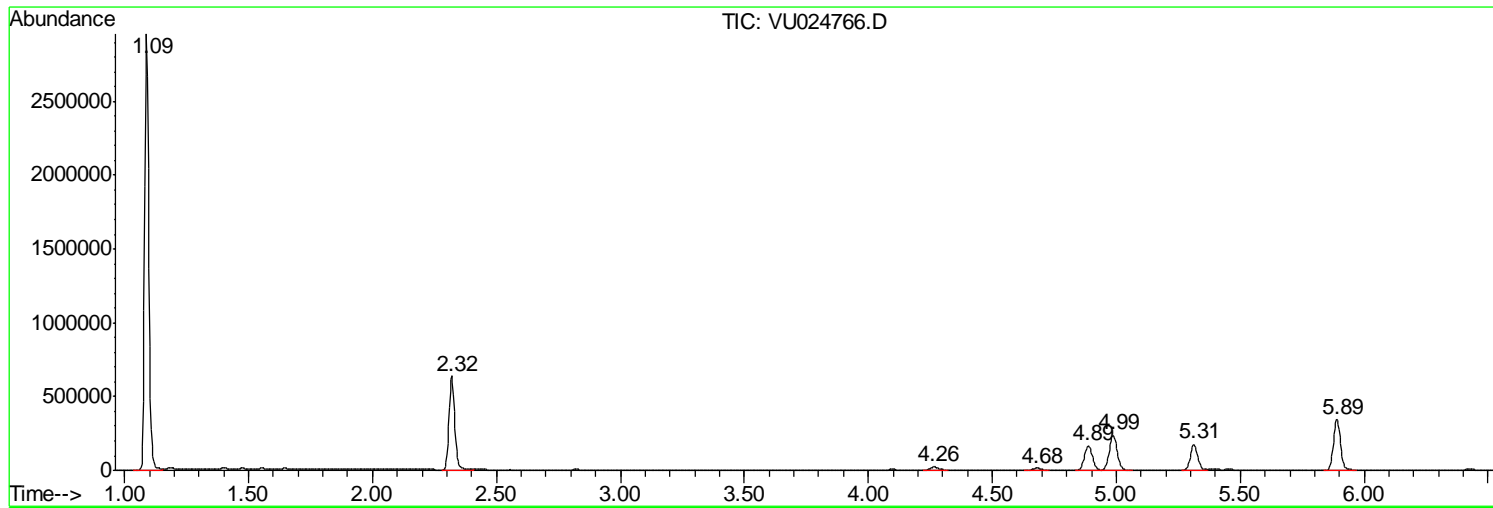
Sum of corrected areas: 10496618

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024766.D
Acq On : 20 Jun 2018 18:44
Operator : MD/SY
Sample : J3577-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
541-IW-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024766.D
 Acq On : 20 Jun 2018 18:44
 Operator : MD/SY
 Sample : J3577-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 541-IW-13

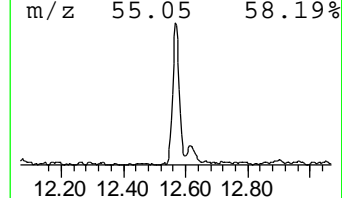
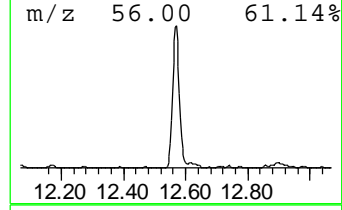
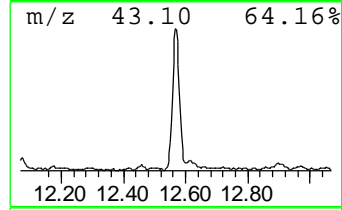
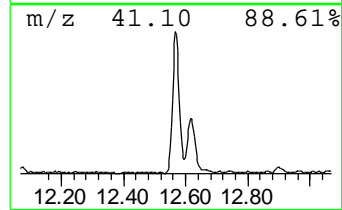
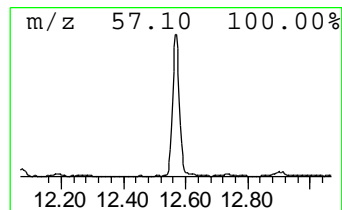
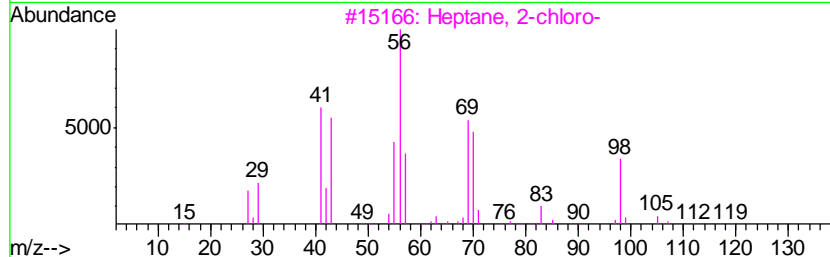
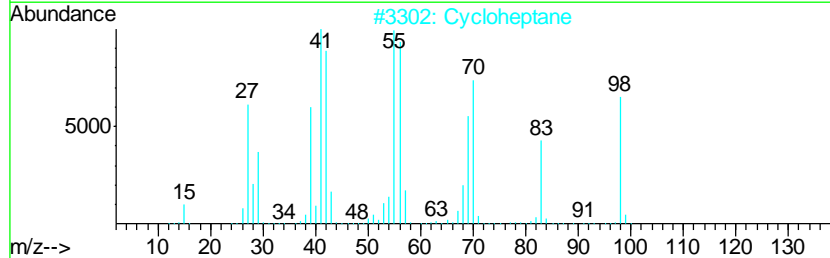
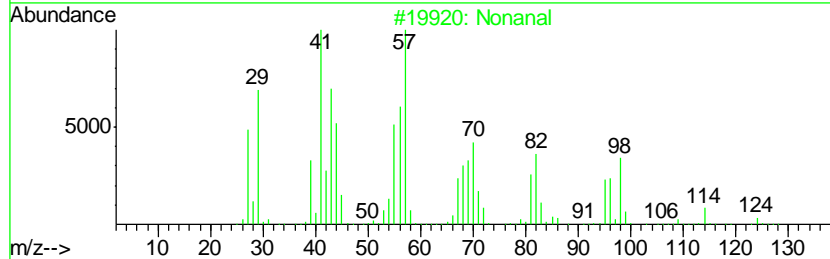
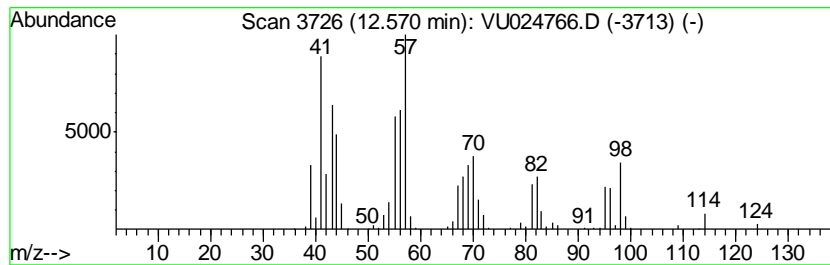
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Nonanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	14.06 ug/l	237619	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonanal	142	C9H18O	000124-19-6	91
2		Cycloheptane	98	C7H14	000291-64-5	38
3		Heptane, 2-chloro-	134	C7H15Cl	001001-89-4	27
4		5-Methyl-2-hexene,c&t	98	C7H14	003404-62-4	25
5		(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	22



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024766.D
 Acq On : 20 Jun 2018 18:44
 Operator : MD/SY
 Sample : J3577-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 541-IW-13

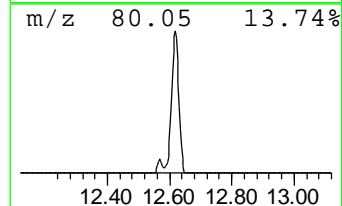
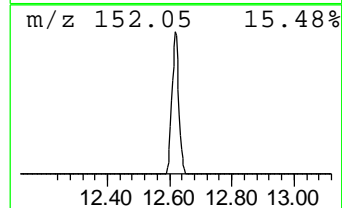
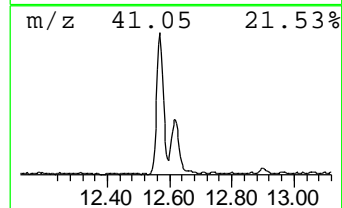
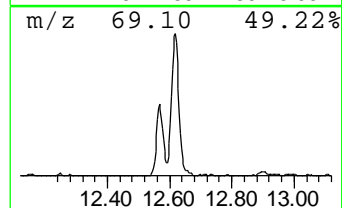
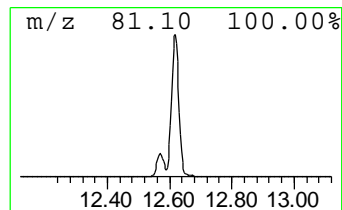
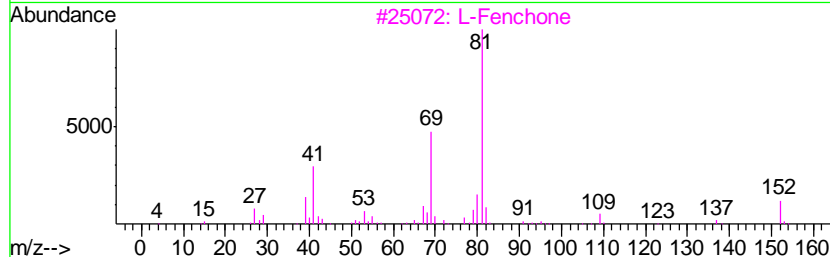
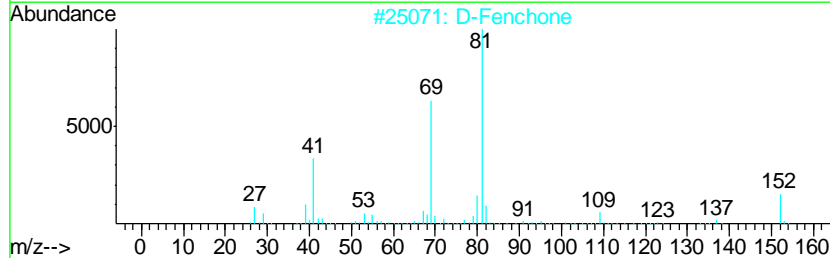
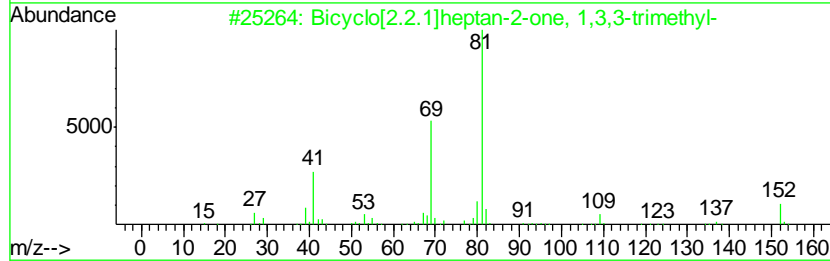
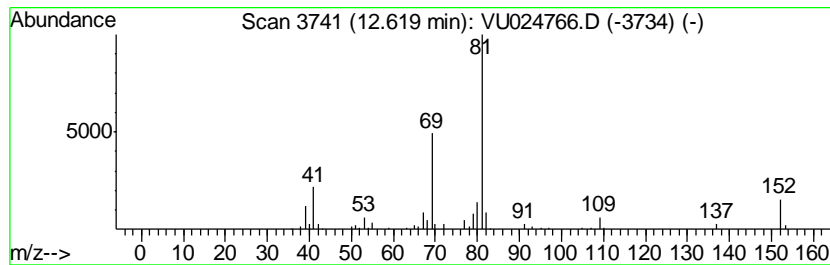
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	7.40 ug/l	125143	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	94
2		D-Fenchone	152	C10H16O	004695-62-9	91
3		L-Fenchone	152	C10H16O	007787-20-4	91
4		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	000529-00-0	39
5		1-[4-(4-tert-Butyl-spirocyclohex...	371	C20H28F3NO2	1000301-43-3	36



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024766.D
 Acq On : 20 Jun 2018 18:44
 Operator : MD/SY
 Sample : J3577-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 541-IW-13

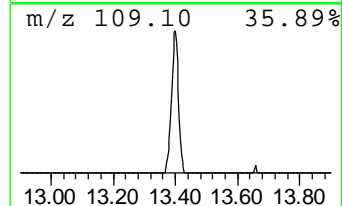
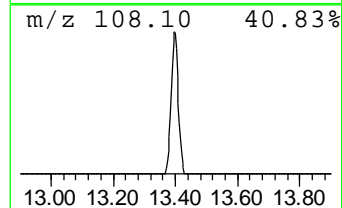
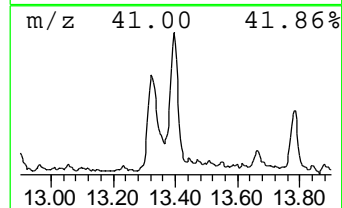
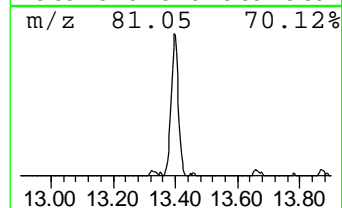
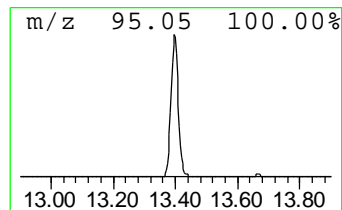
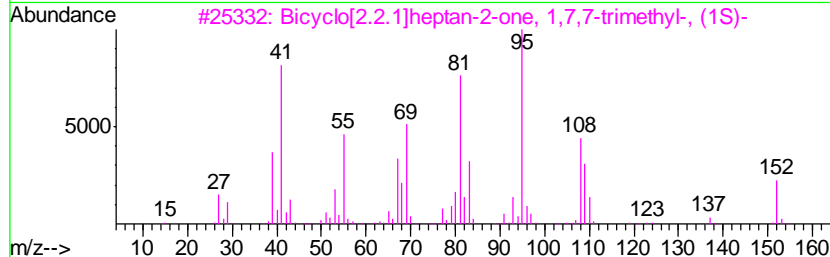
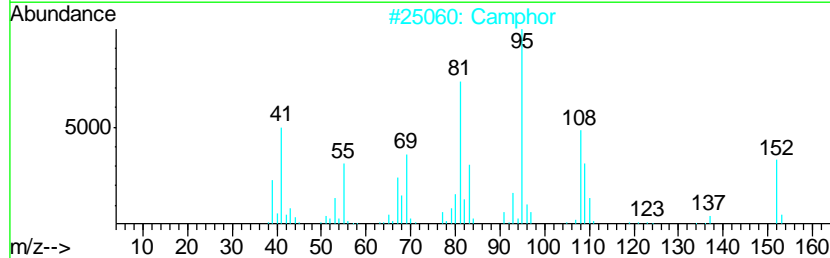
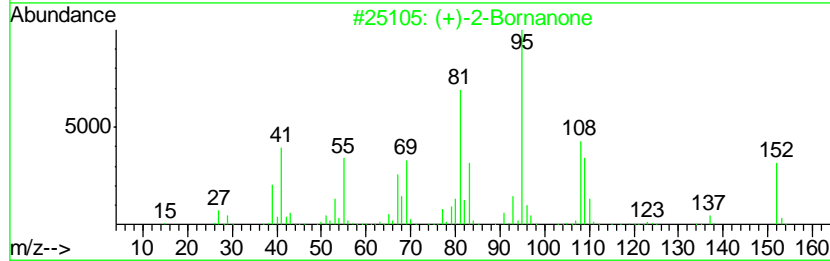
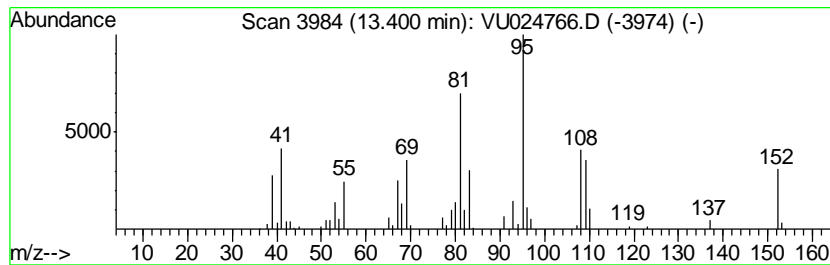
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 (+)-2-Bornanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	5.70 ug/l	96300	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
2		Camphor	152	C10H16O	000076-22-2	97
3		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	97
4		Tricyclo[2.2.1.0(2,6)]heptan-3-o...	152	C10H16O	062560-53-6	58
5		5,7-Octadien-4-one, 2,6-dimethyl...	152	C10H16O	006752-80-3	52



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024766.D
 Acq On : 20 Jun 2018 18:44
 Operator : MD/SY
 Sample : J3577-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 541-IW-13

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Nonanal	12.57	14.1	ug/l	237619	4	11.49	845009	50.0
Bicyclo[2.2.1]hep...	12.62	7.4	ug/l	125143	4	11.49	845009	50.0
(+)-2-Bornanone	13.40	5.7	ug/l	96300	4	11.49	845009	50.0

**Report of Analysis**

Client:	Day Environmental, Inc.		Date Collected:	06/13/18	
Project:	Andrew St. RI		Date Received:	06/18/18	
Client Sample ID:	542-IW-14		SDG No.:	J3577	
Lab Sample ID:	J3577-03		Matrix:	Water	
Analytical Method:	SW8260		% Moisture:	100	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:			Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024756.D	1		06/20/18 14:35	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	2.3		0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	31.2		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	13.5		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	542-IW-14	SDG No.:	J3577
Lab Sample ID:	J3577-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024756.D	1		06/20/18 14:35	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	21.7		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.3		61 - 141		87%	SPK: 50
1868-53-7	Dibromofluoromethane	47		69 - 133		94%	SPK: 50
2037-26-5	Toluene-d8	47.6		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.1		58 - 135		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	197581	4.99				
540-36-3	1,4-Difluorobenzene	309671	5.89				
3114-55-4	Chlorobenzene-d5	285092	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	154667	11.49				
TENTATIVE IDENTIFIED COMPOUNDS							
000143-08-8	1-Nonanol	10.3	J			13.32	ug/L
1000309-23-7	Oxalic acid, allyl nonyl ester	56.8	J			15.69	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	542-IW-14	SDG No.:	J3577
Lab Sample ID:	J3577-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024756.D	1		06/20/18 14:35	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024756.D
 Acq On : 20 Jun 2018 14:35
 Operator : MD/SY
 Sample : J3577-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 542-IW-14

Quant Time: Jun 20 15:19:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	197581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309671	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154667	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	139592	43.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.56%	
35) Dibromofluoromethane	4.89	113	120680	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
50) Toluene-d8	7.57	98	446122	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	10.31	95	160296	43.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.14%	

Target Compounds

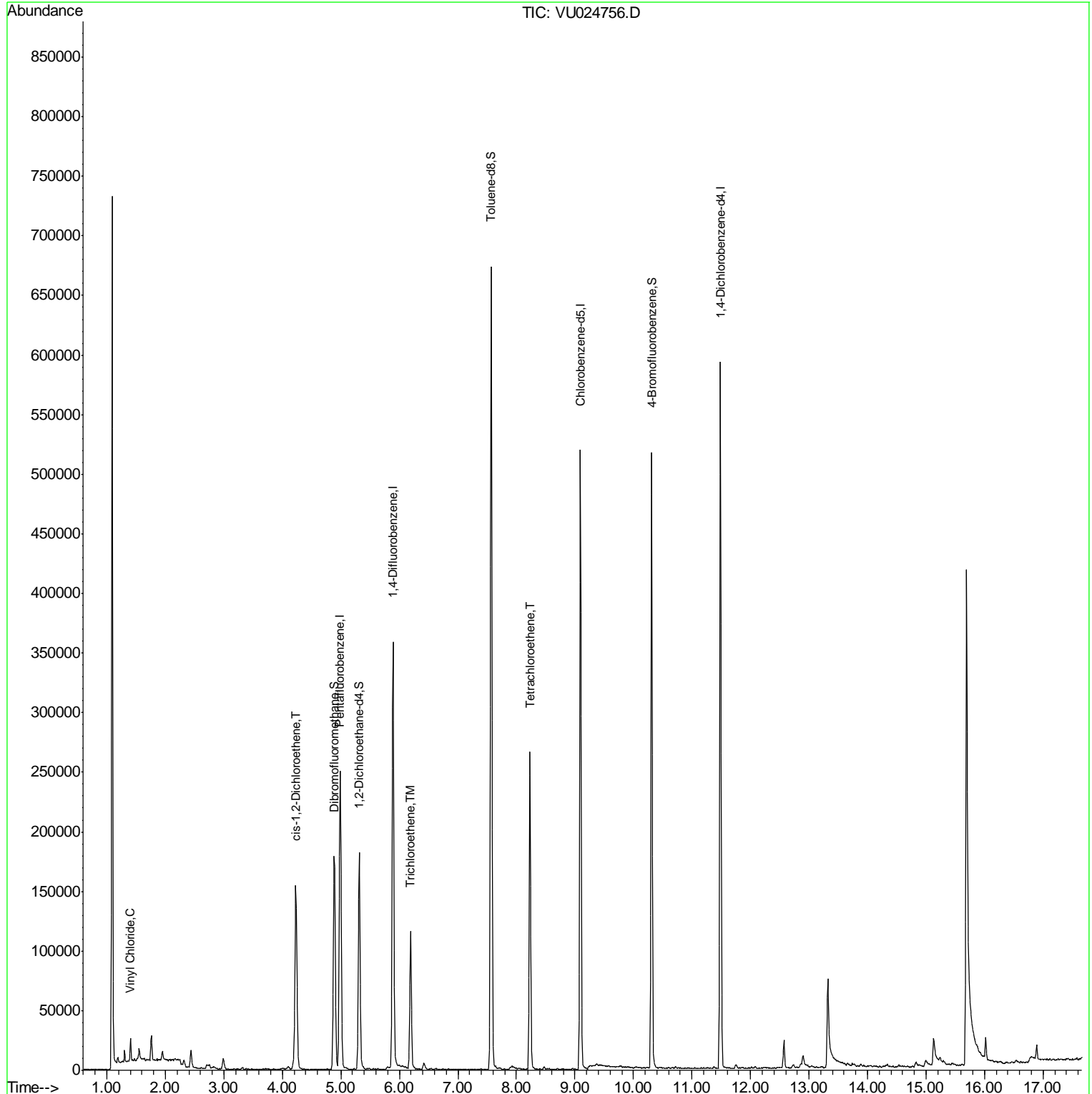
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4) Vinyl Chloride	1.40	62	5925	2.27	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	88776	31.16	ug/l	84
44) Trichloroethene	6.19	130	39821	13.49	ug/l	92
64) Tetrachloroethene	8.23	164	58721	21.67	ug/l	98

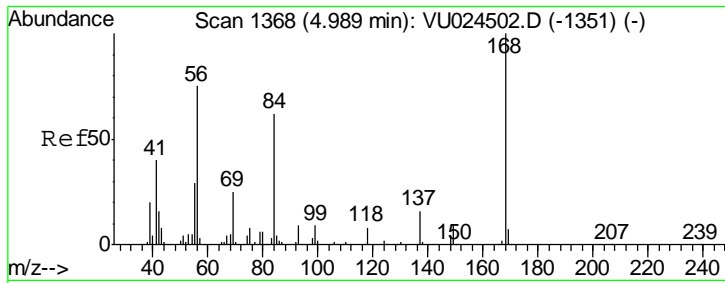
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024756.D
Acq On : 20 Jun 2018 14:35
Operator : MD/SY
Sample : J3577-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
542-IW-14

Quant Time: Jun 20 15:19:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

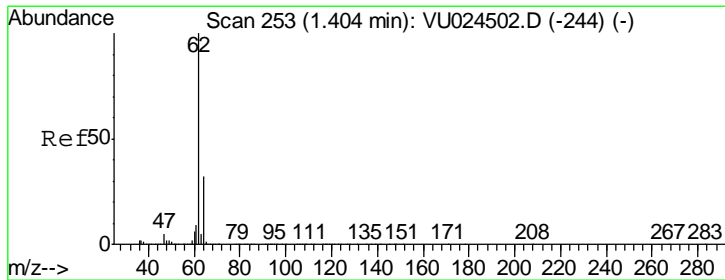
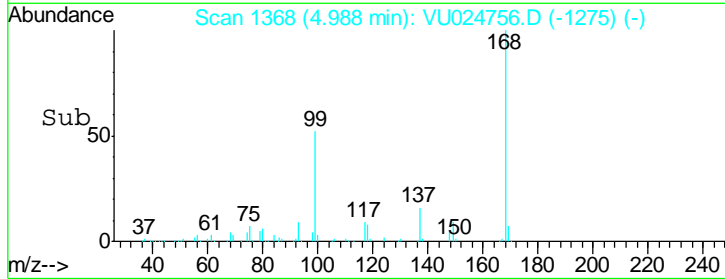
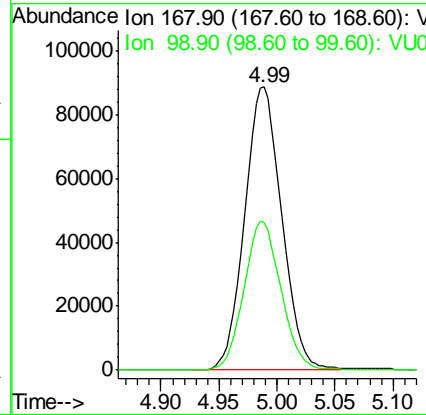
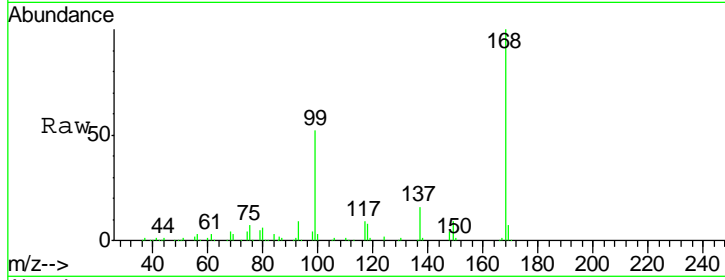




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

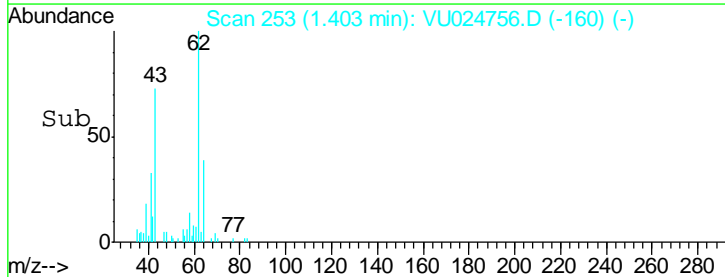
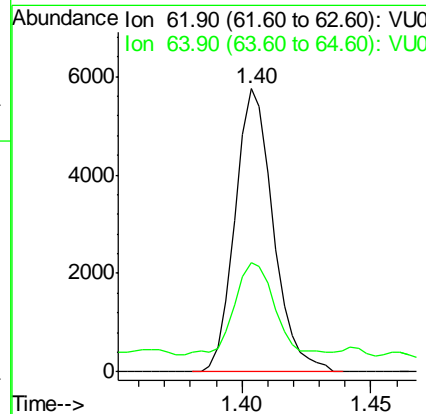
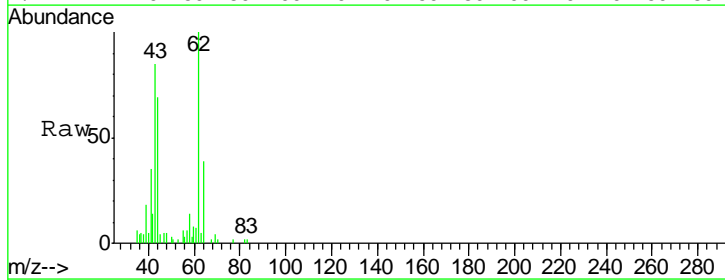
Instrument : MSVOA_U
 ClientSampled : 542-IW-14

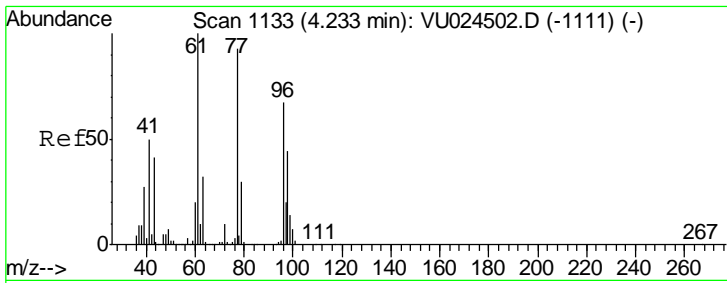
Tgt Ion	Resp	Lower	Upper
168	197581		
99	52.4	43.2	64.8



#4
 Vinyl Chloride
 Concen: 2.27 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

Tgt Ion	Resp	Lower	Upper
62	5925		
64	31.9	24.8	37.2

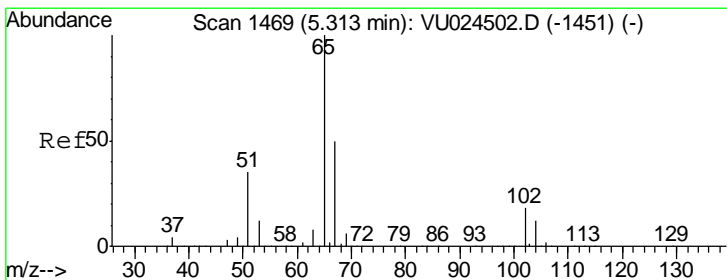
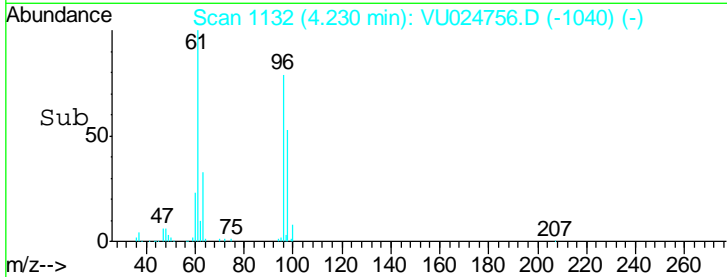
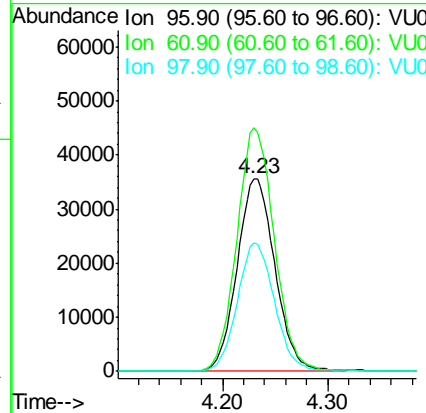
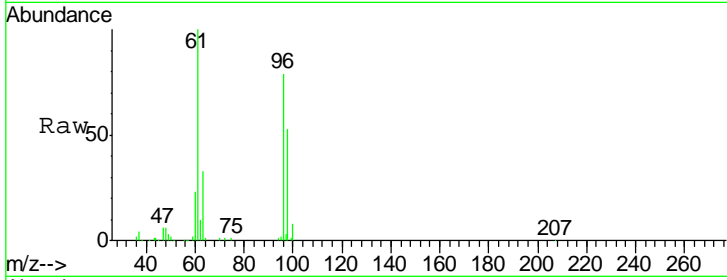




#27
 cis-1,2-Dichloroethene
 Concen: 31.16 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

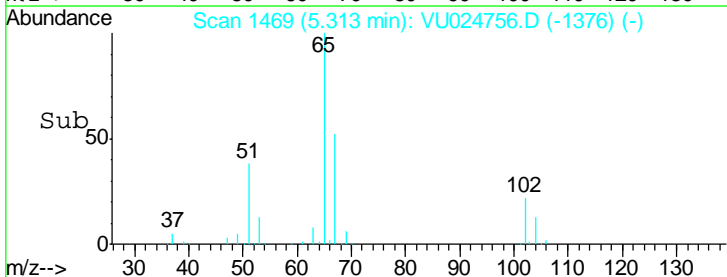
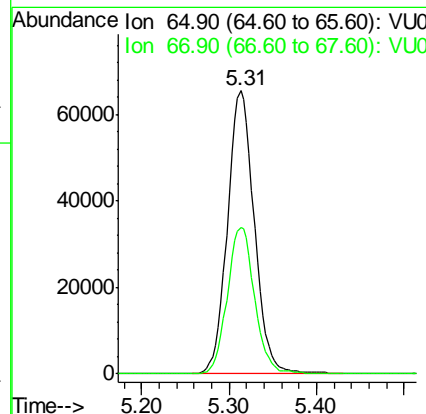
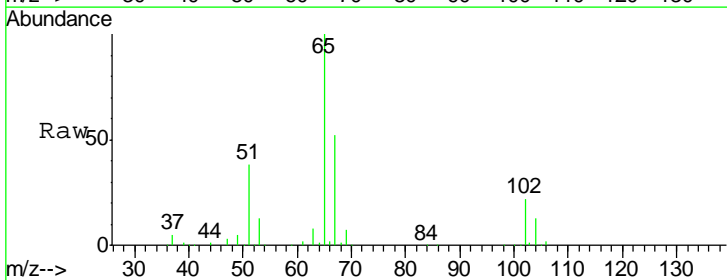
Instrument : MSVOA_U
 ClientSampled : 542-IW-14

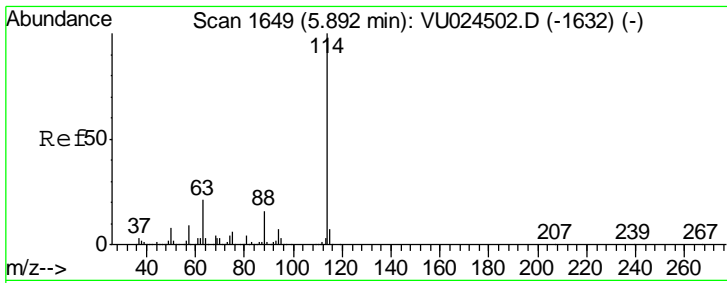
Tgt Ion	Resp	Lower	Upper
96	88776		
61	125.0	0.0	306.6
98	65.4	0.0	128.8



#33
 1,2-Dichloroethane-d4
 Concen: 43.28 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

Tgt Ion	Resp	Lower	Upper
65	139592		
67	52.6	0.0	107.0

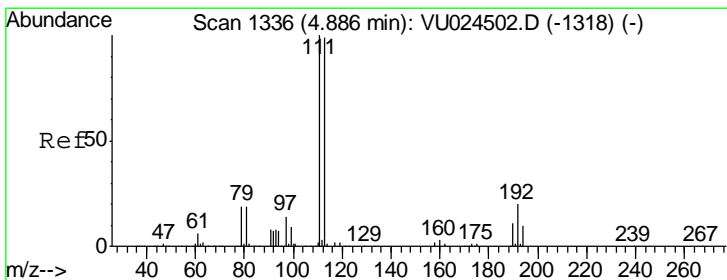
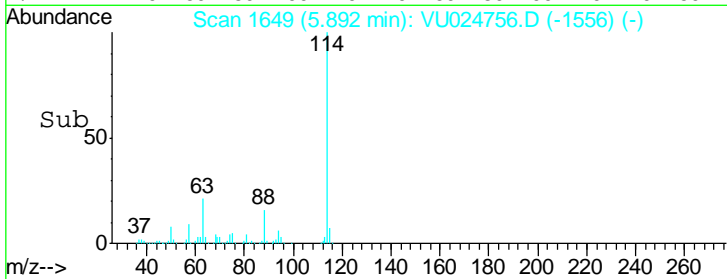
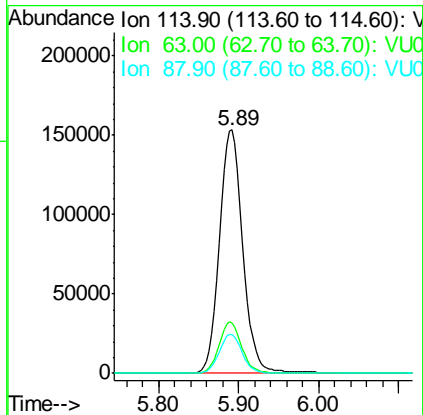
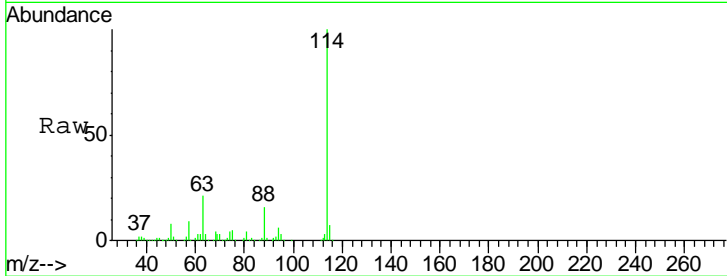




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

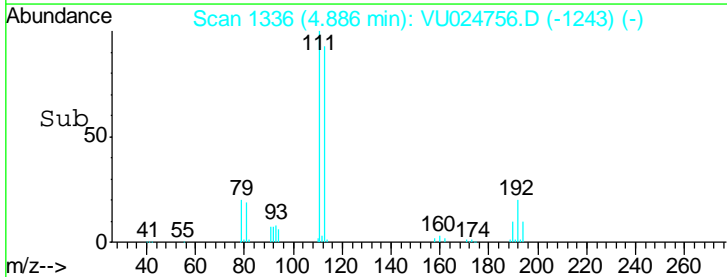
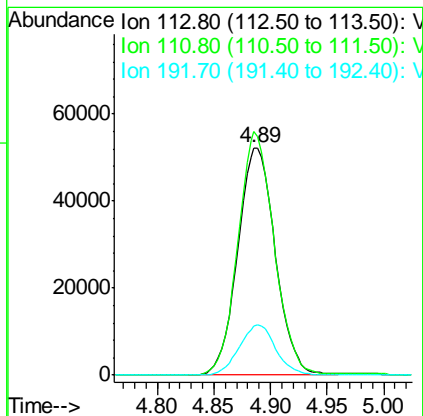
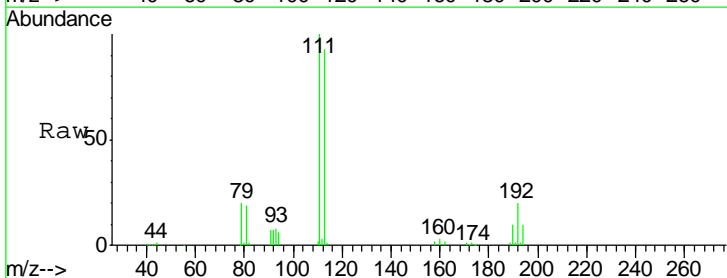
Instrument : MSVOA_U
 ClientSampled : 542-IW-14

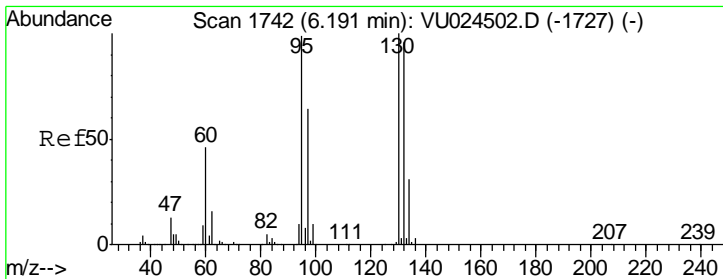
Tgt Ion	Resp	Lower	Upper
114	309671		
63	20.7	0.0	45.4
88	16.0	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 46.96 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

Tgt Ion	Resp	Lower	Upper
113	120680		
111	103.3	82.2	123.4
192	21.6	16.2	24.4

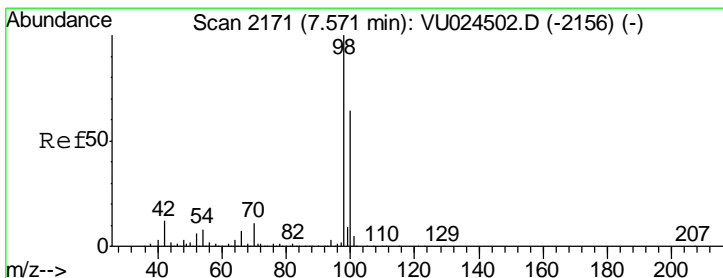
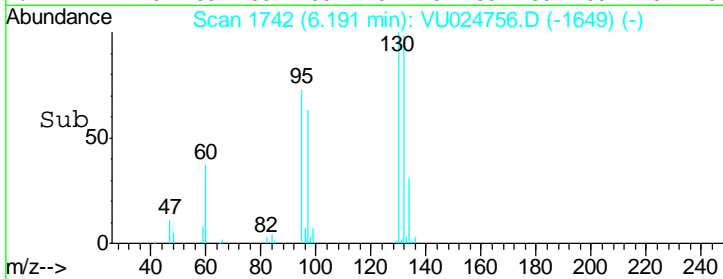
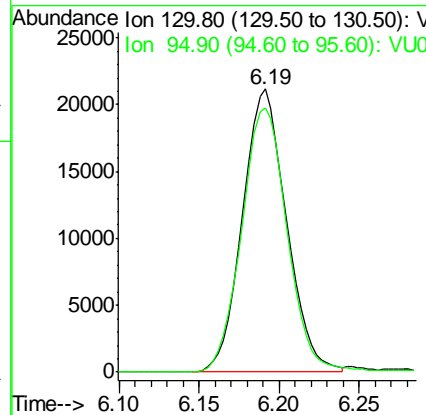
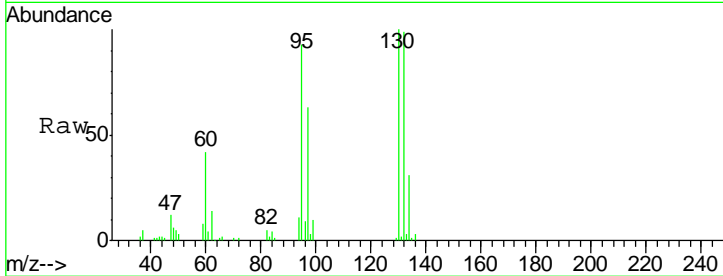




#44
 Trichloroethene
 Concen: 13.49 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

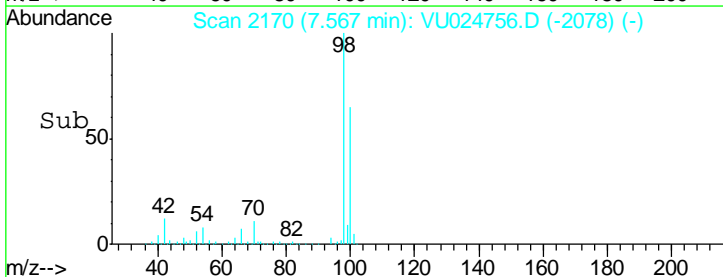
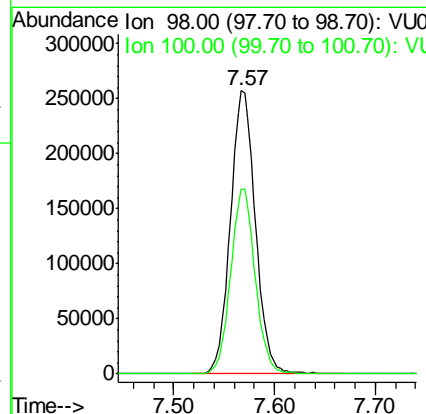
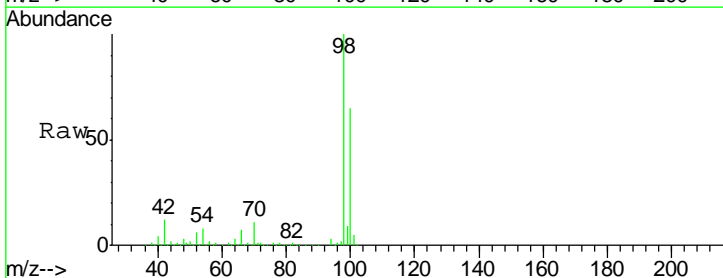
Instrument : MSVOA_U
 ClientSampled : 542-IW-14

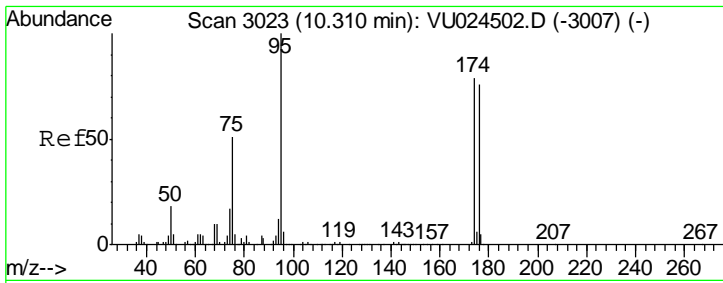
Tgt Ion	Resp	Lower	Upper
130	39821		
95	100	93.4	202.4



#50
 Toluene-d8
 Concen: 47.59 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

Tgt Ion	Resp	Lower	Upper
98	446122		
100	100	64.2	76.7

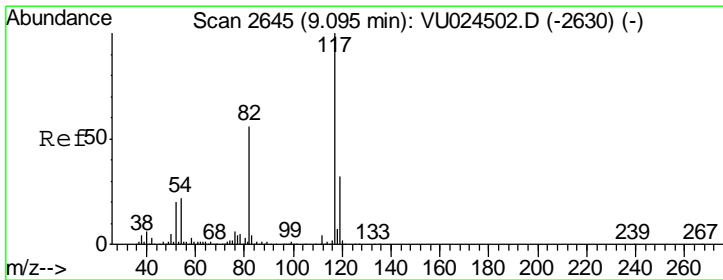
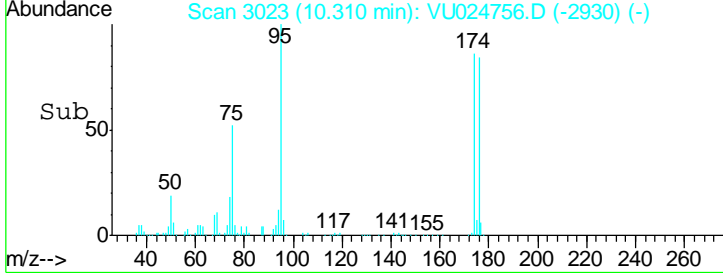
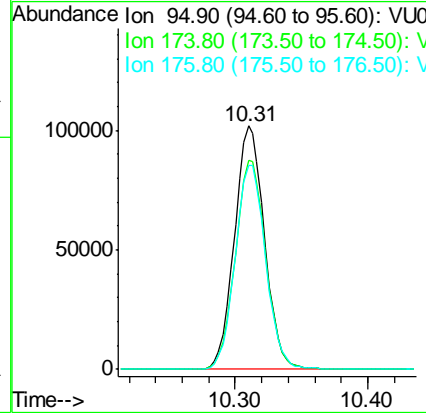
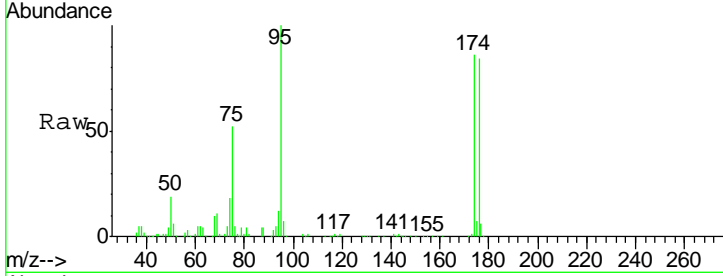




#62
 4-Bromofluorobenzene
 Concen: 43.07 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

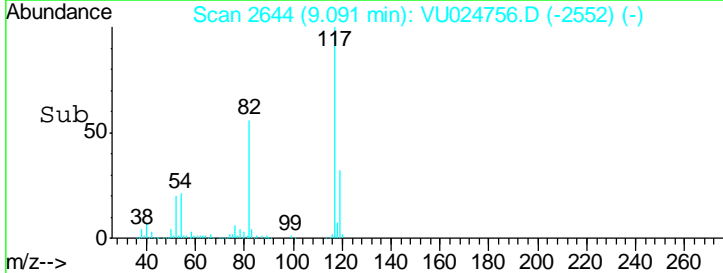
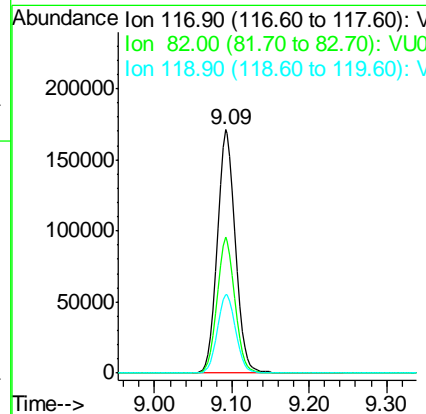
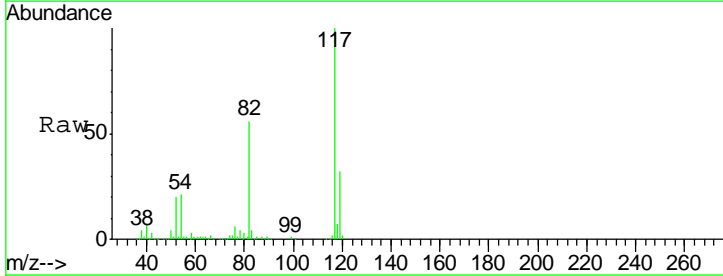
Instrument : MSVOA_U
 ClientSampled : 542-IW-14

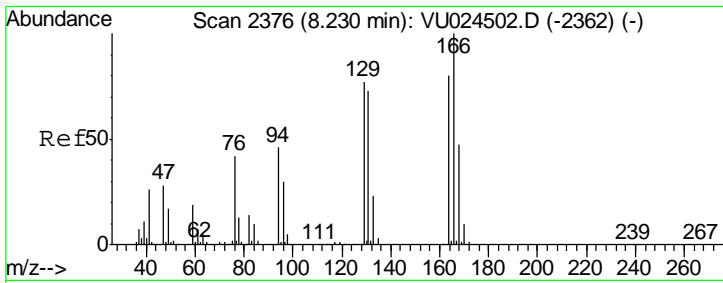
Tgt Ion	Resp	Lower	Upper
95	160296		
174	86.8	0.0	165.8
176	85.2	0.0	159.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

Tgt Ion	Resp	Lower	Upper
117	285092		
82	55.8	44.3	66.5
119	32.5	25.4	38.2

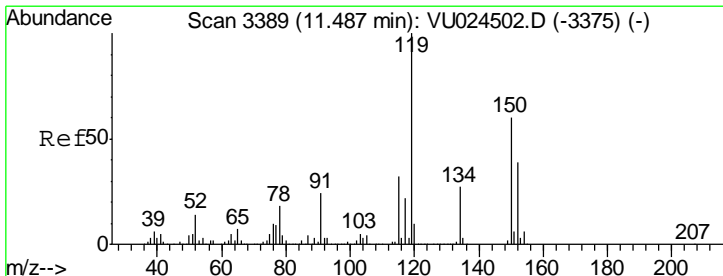
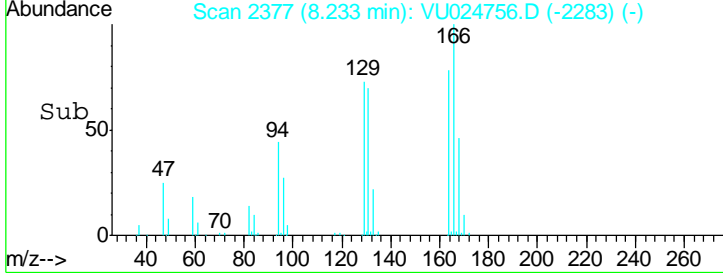
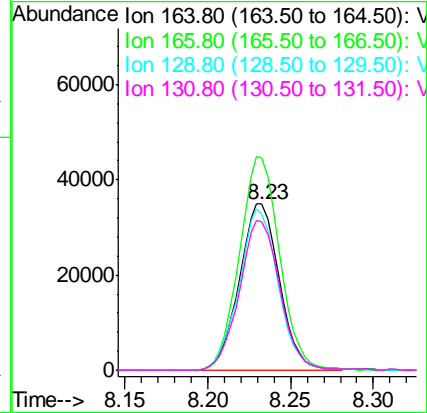
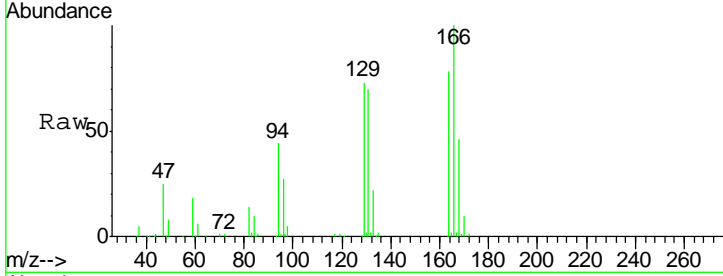




#64
 Tetrachloroethene
 Concen: 21.67 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

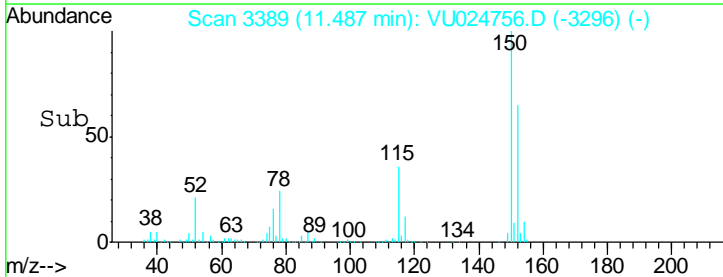
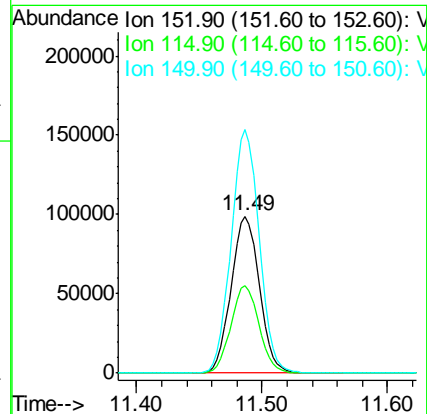
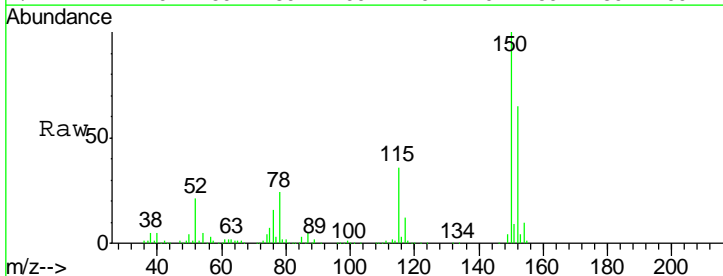
Instrument : MSVOA_U
 ClientSampled : 542-IW-14

Tgt Ion	Resp	Lower	Upper
164	100		
166	128.0	101.7	152.5
129	93.9	76.9	115.3
131	89.3	74.9	112.3



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024756.D
 Acq: 20 Jun 2018 14:35

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.3	43.0	129.0
150	154.2	0.0	354.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024756.D
 Acq On : 20 Jun 2018 14:35
 Operator : MD/SY
 Sample : J3577-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 542-IW-14

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.088	141	155	179	rBV	732573	881848	75.20%	9.539%
2	1.403	247	253	259	rBV	19696	19960	1.70%	0.216%
3	1.760	356	364	374	rBV	21044	29182	2.49%	0.316%
4	2.439	565	575	587	rBV	14204	23352	1.99%	0.253%
5	2.989	735	746	762	rVB5	9242	18860	1.61%	0.204%
6	4.230	1107	1132	1157	rBV2	154540	386909	32.99%	4.185%
7	4.886	1320	1336	1353	rBV2	179075	405350	34.56%	4.385%
8	4.988	1353	1368	1389	rVB	249133	556192	47.43%	6.016%
9	5.313	1454	1469	1487	rBV	181300	382379	32.61%	4.136%
10	5.889	1634	1648	1674	rBV	356868	707625	60.34%	7.654%
11	6.191	1728	1742	1756	rBV3	114905	216334	18.45%	2.340%
12	7.567	2153	2170	2190	rBV	673958	1172744	100.00%	12.685%
13	8.229	2364	2376	2398	rBV	265748	447019	38.12%	4.835%
14	9.091	2631	2644	2660	rBV	519806	859041	73.25%	9.292%
15	10.310	3009	3023	3049	rBV	516690	811900	69.23%	8.782%
16	11.487	3376	3389	3409	rBV	592604	927730	79.11%	10.035%
17	12.570	3717	3726	3736	rVB4	22948	34549	2.95%	0.374%
18	12.898	3821	3828	3841	rVB8	8254	14290	1.22%	0.155%
19	13.323	3948	3960	3988	rBV3	74213	191376	16.32%	2.070%
20	15.130	4513	4522	4543	rBV5	21866	59095	5.04%	0.639%
21	15.692	4685	4697	4749	rBV	415307	1054447	89.91%	11.406%
22	16.020	4793	4799	4809	rVB2	19015	26381	2.25%	0.285%
23	16.888	5063	5069	5081	rVB6	12577	18383	1.57%	0.199%

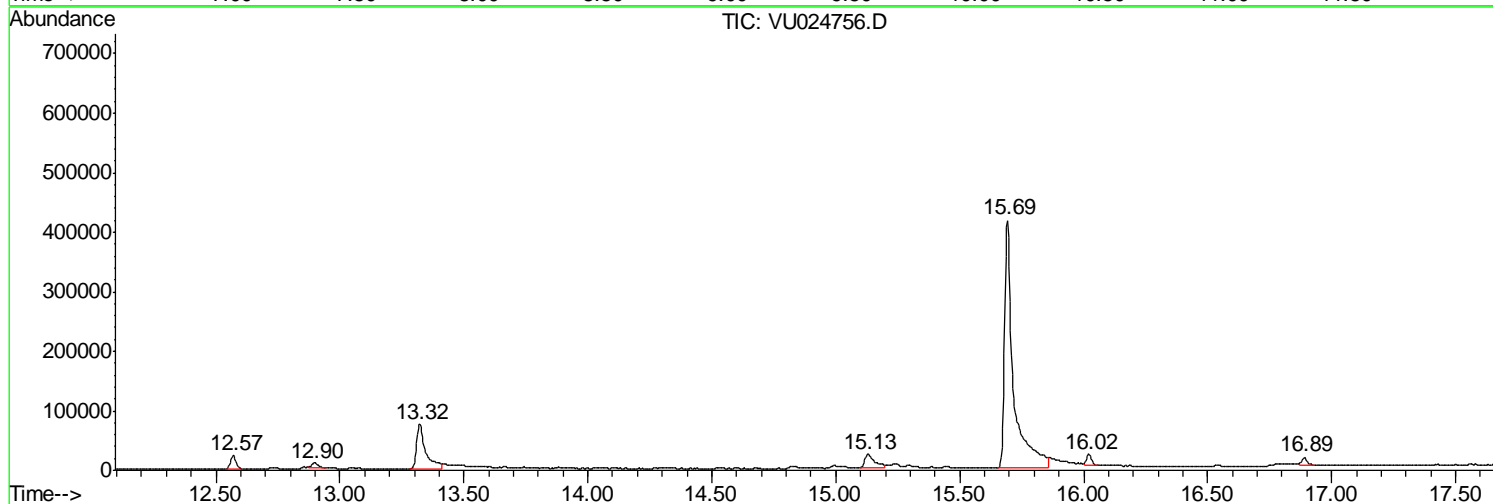
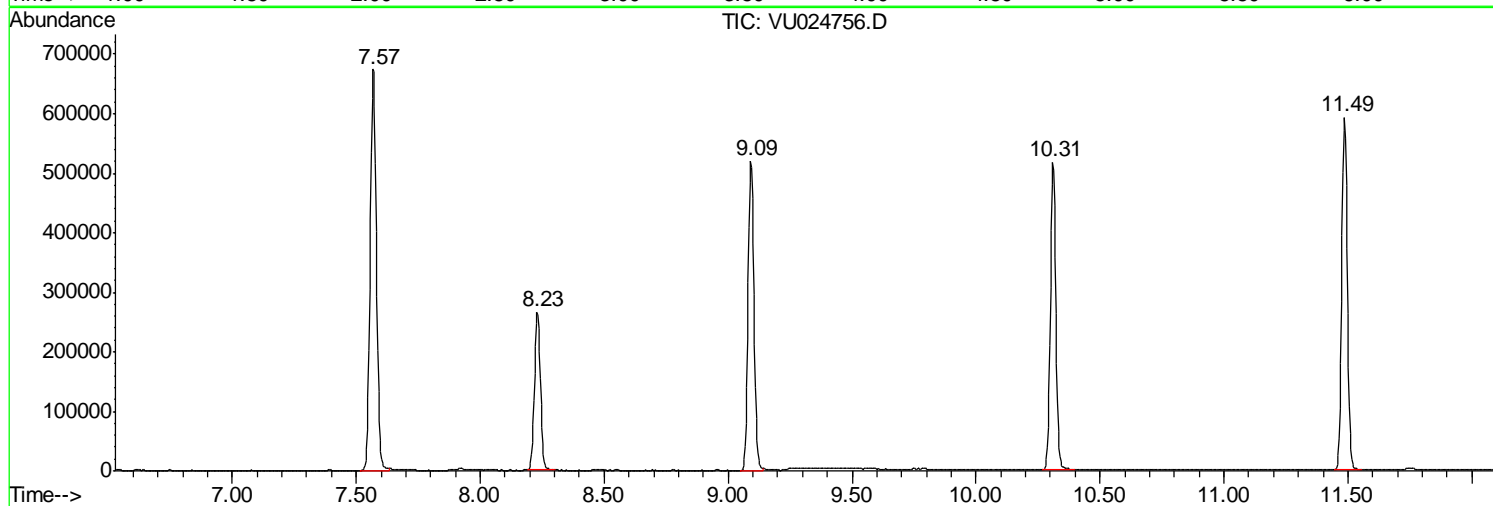
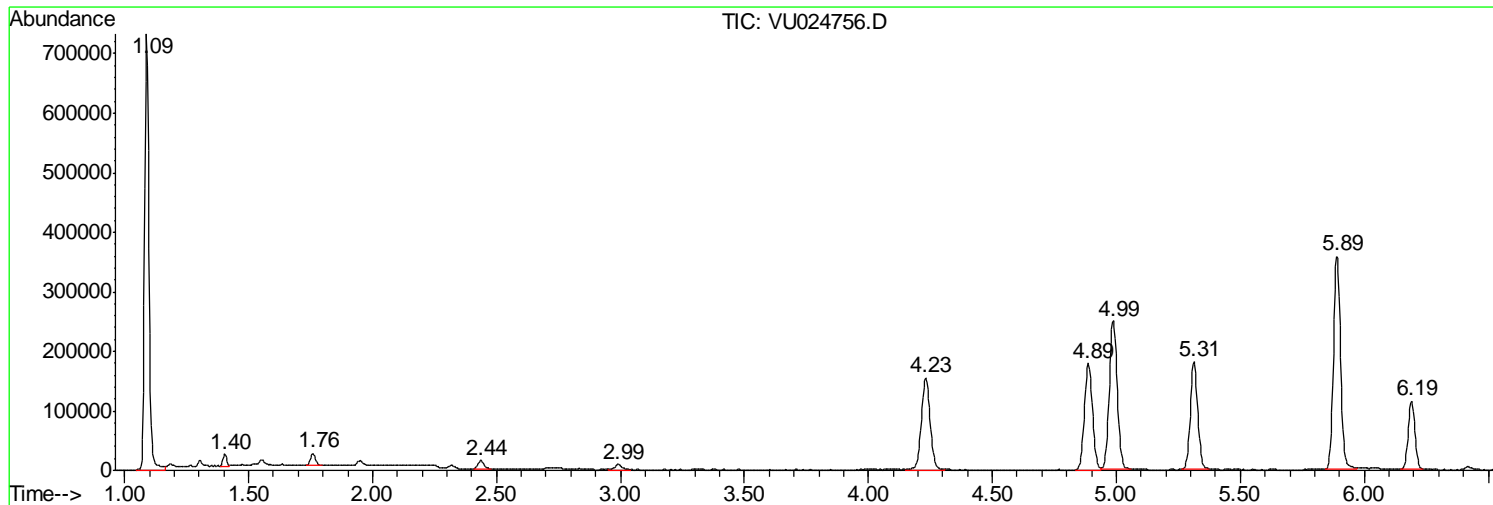
Sum of corrected areas: 9244946

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024756.D
Acq On : 20 Jun 2018 14:35
Operator : MD/SY
Sample : J3577-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
542-IW-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024756.D
 Acq On : 20 Jun 2018 14:35
 Operator : MD/SY
 Sample : J3577-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 542-IW-14

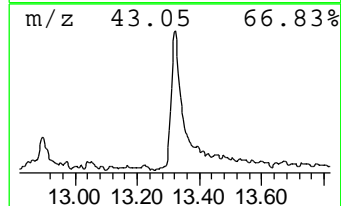
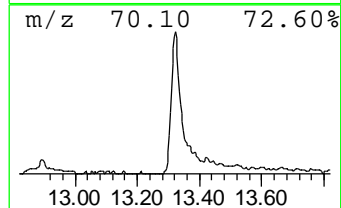
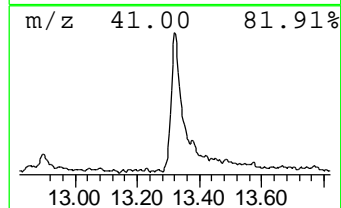
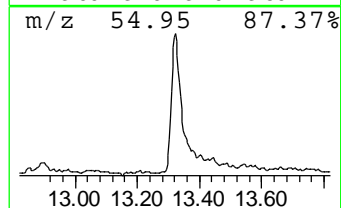
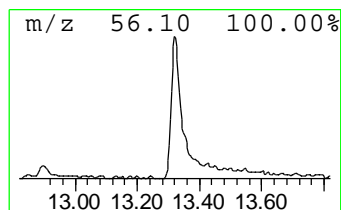
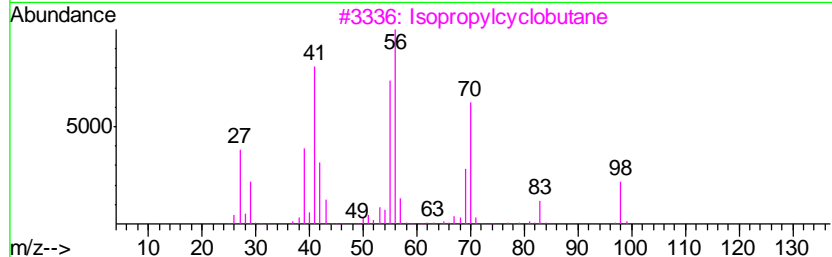
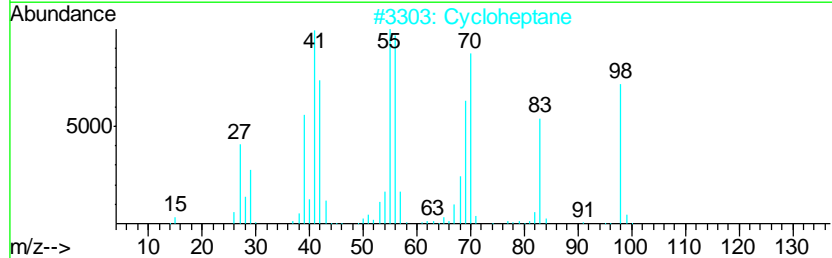
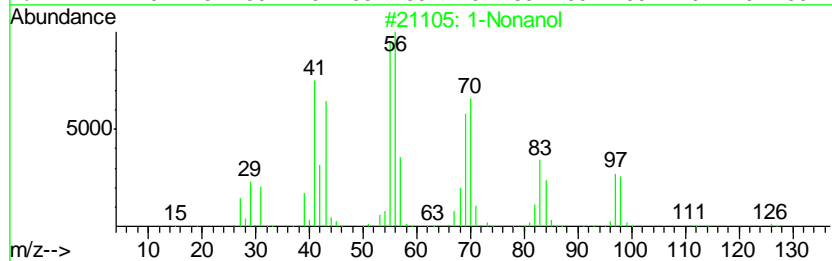
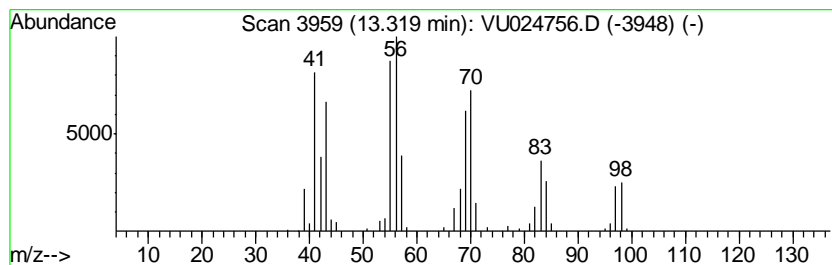
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 1-Nonanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	10.31 ug/l	191376	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Nonanol	144	C9H20O	000143-08-8	91
2		Cycloheptane	98	C7H14	000291-64-5	87
3		Isopropylcyclobutane	98	C7H14	000872-56-0	62
4		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	58
5		1-Heptene	98	C7H14	000592-76-7	58



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024756.D
 Acq On : 20 Jun 2018 14:35
 Operator : MD/SY
 Sample : J3577-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 542-IW-14

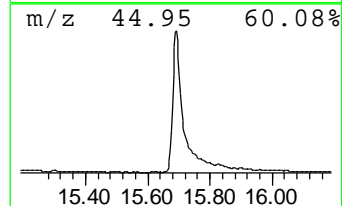
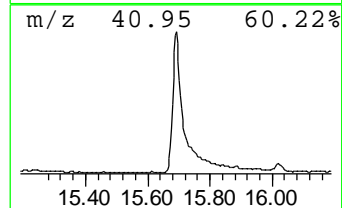
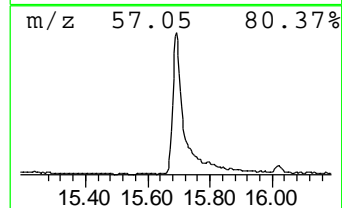
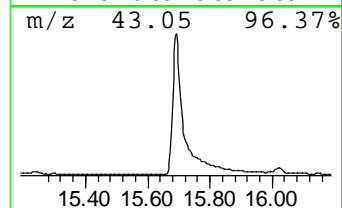
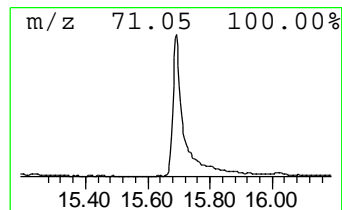
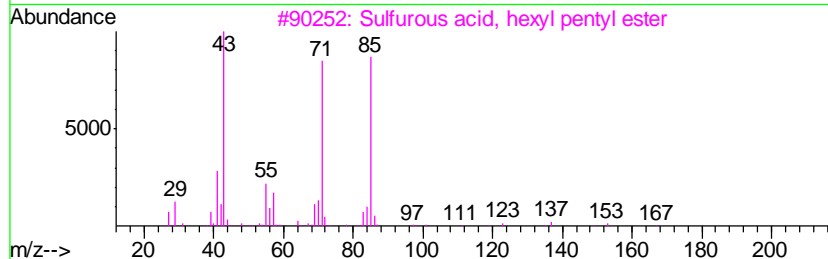
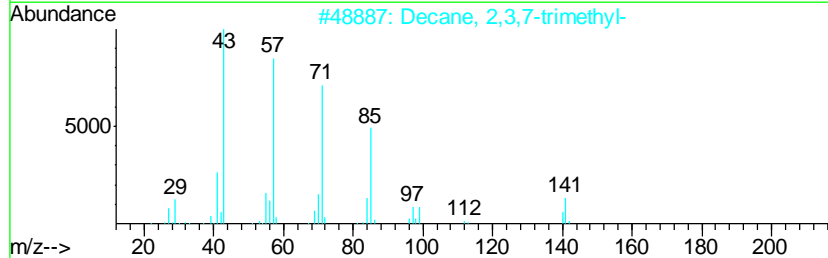
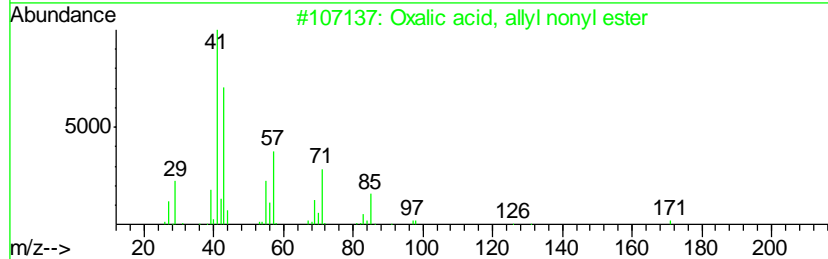
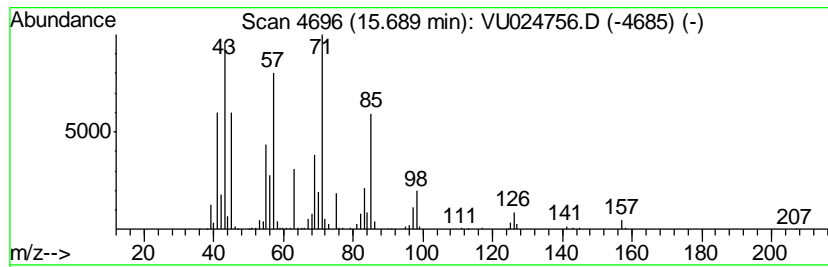
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 Oxalic acid, allyl nonyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	56.83 ug/l	1054450	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, allyl nonyl ester	256	C14H24O4	1000309-23-7	64
2		Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	47
3		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	43
4		Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	38
5		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024756.D
 Acq On : 20 Jun 2018 14:35
 Operator : MD/SY
 Sample : J3577-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 542-IW-14

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1-Nonanol	13.32	10.3	ug/l	191376	4	11.49	927730	50.0
Oxalic acid, ally...	15.69	56.8	ug/l	1054450	4	11.49	927730	50.0



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	543-IW-15	SDG No.:	J3577
Lab Sample ID:	J3577-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024757.D	1		06/20/18 14:59	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1.4		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	27.9		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	22.9		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	543-IW-15	SDG No.:	J3577
Lab Sample ID:	J3577-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024757.D	1		06/20/18 14:59	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	110		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.5		61 - 141		85%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		69 - 133		92%	SPK: 50
2037-26-5	Toluene-d8	47.6		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.3		58 - 135		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	199681	4.99				
540-36-3	1,4-Difluorobenzene	314494	5.89				
3114-55-4	Chlorobenzene-d5	288454	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	157786	11.49				
TENTATIVE IDENTIFIED COMPOUNDS							
1000309-17-6	Sulfurous acid, butyl nonyl ester	32.2	J			15.69	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	543-IW-15	SDG No.:	J3577
Lab Sample ID:	J3577-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024757.D	1		06/20/18 14:59	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024757.D
 Acq On : 20 Jun 2018 14:59
 Operator : MD/SY
 Sample : J3577-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 543-IW-15

Quant Time: Jun 21 12:36:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	199681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	314494	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138464	42.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		84.96%
35) Dibromofluoromethane	4.89	113	120346	46.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		92.22%
50) Toluene-d8	7.57	98	452968	47.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		95.16%
62) 4-Bromofluorobenzene	10.31	95	163732	43.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		86.64%

Target Compounds

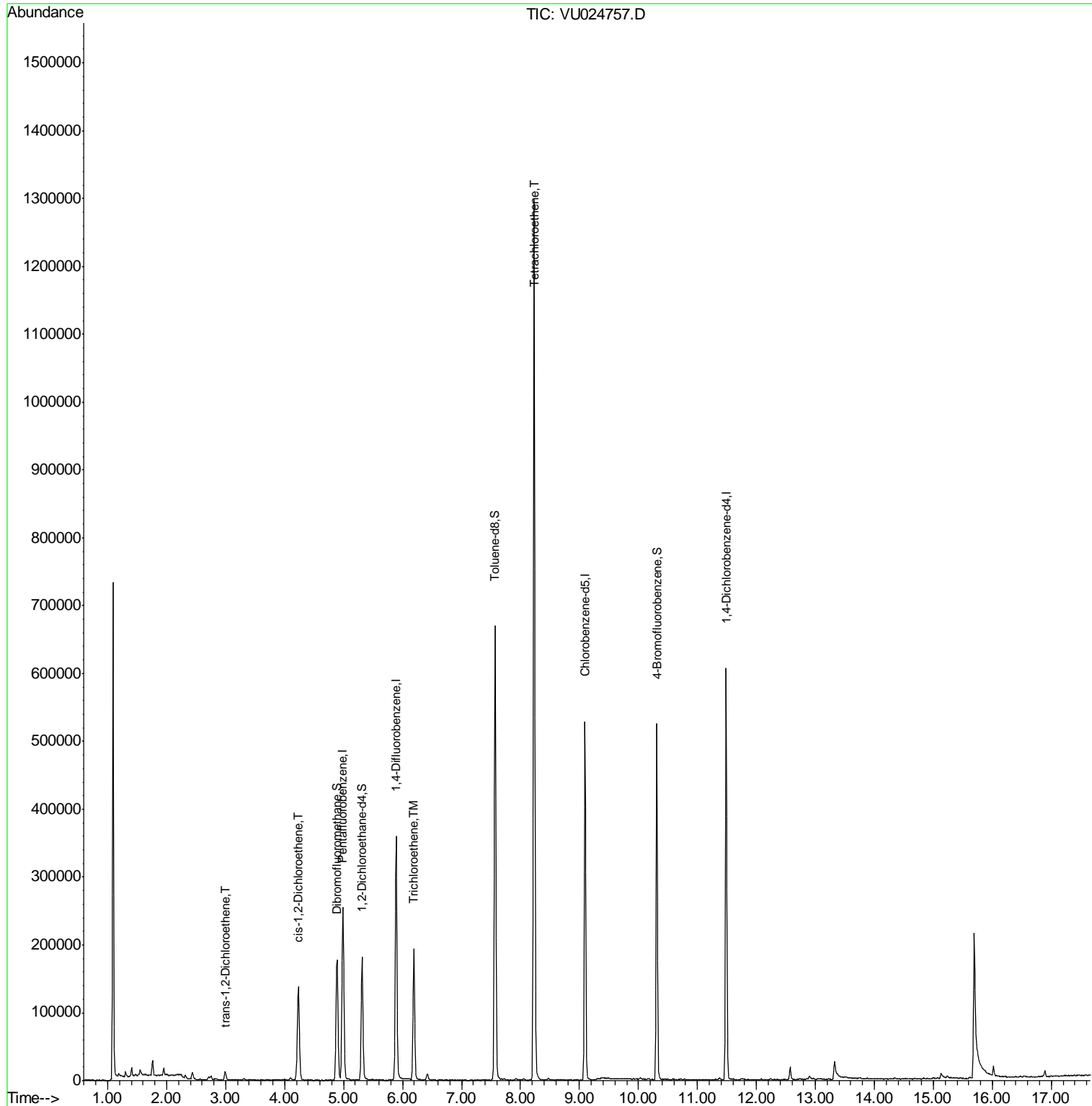
						Qvalue
21) trans-1,2-Dichloroethene	2.99	96	3583	1.43	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	80308	27.89	ug/l	84
44) Trichloroethene	6.19	130	68712	22.93	ug/l	96
64) Tetrachloroethene	8.23	164	289551	105.60	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

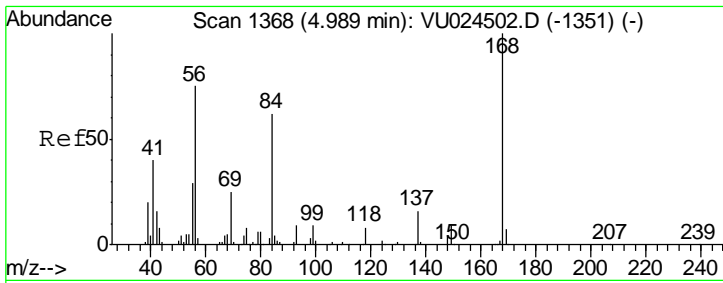
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 Data File : VU024757.D
 Acq On : 20 Jun 2018 14:59
 Operator : MD/SY
 Sample : J3577-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 543-IW-15

Quant Time: Jun 21 12:36:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration



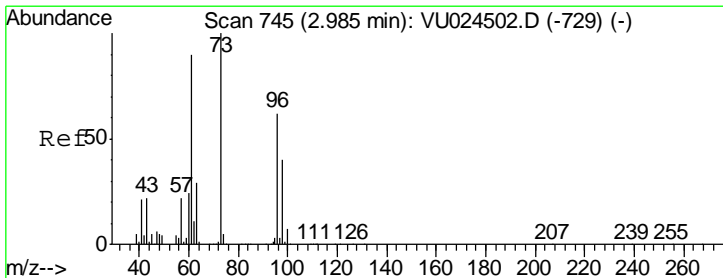
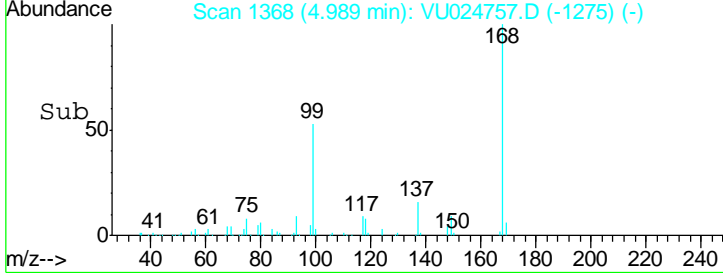
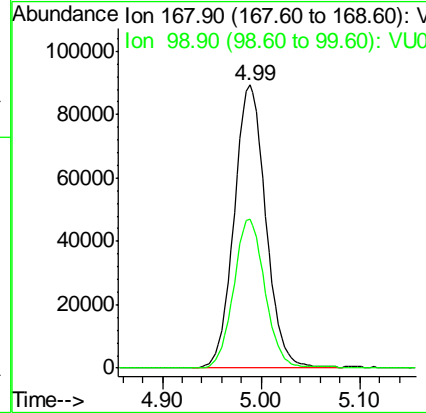
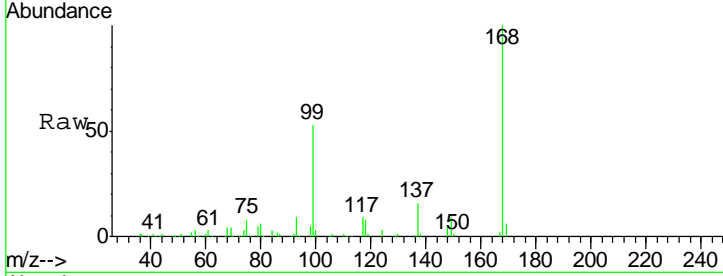
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU024757.D
 Acq: 20 Jun 2018 14:59

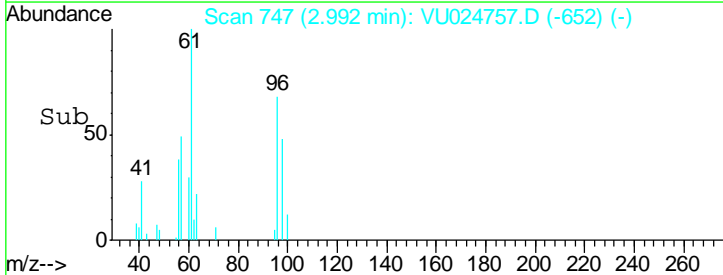
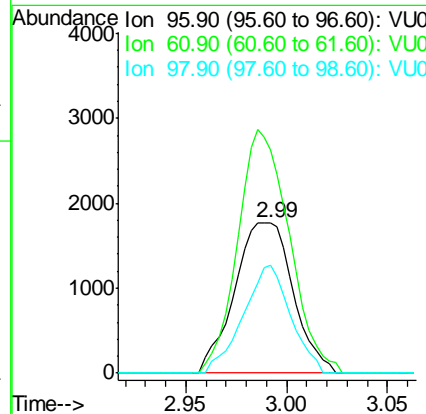
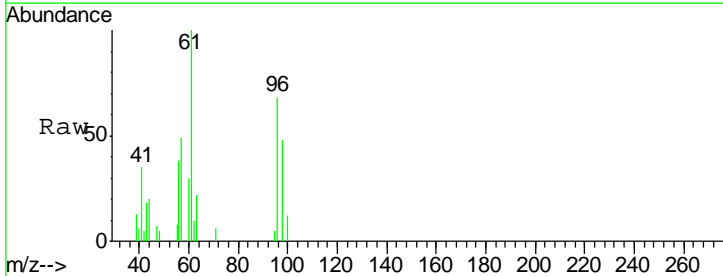
Instrument : MSVOA_U
 ClientSampled : 543-IW-15

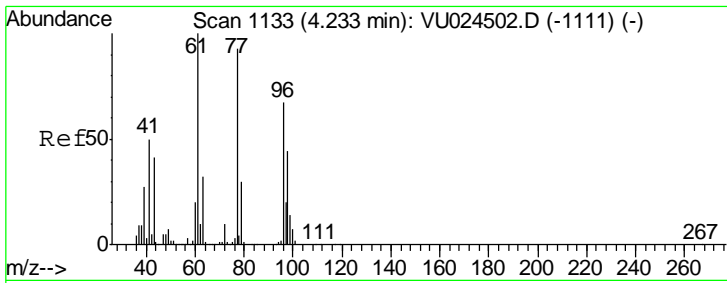
Tgt Ion	Resp	Lower	Upper
168	199681		
99	52.6	43.2	64.8



#21
 trans-1,2-Dichloroethene
 Concen: 1.43 ug/l
 RT: 2.99 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VU024757.D
 Acq: 20 Jun 2018 14:59

Tgt Ion	Resp	Lower	Upper
96	3583		
61	148.0	119.4	179.0
98	71.8	51.1	76.7

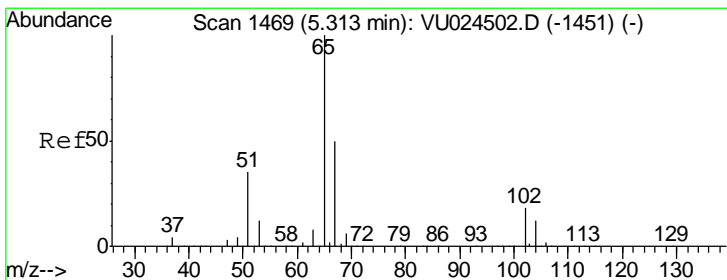
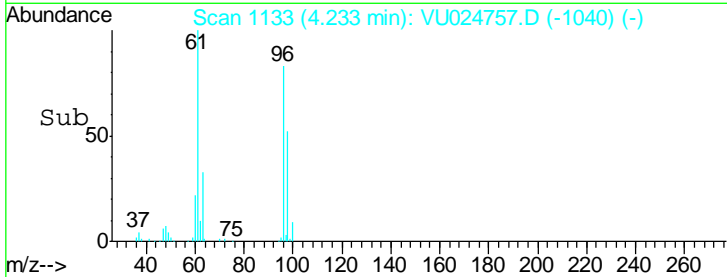
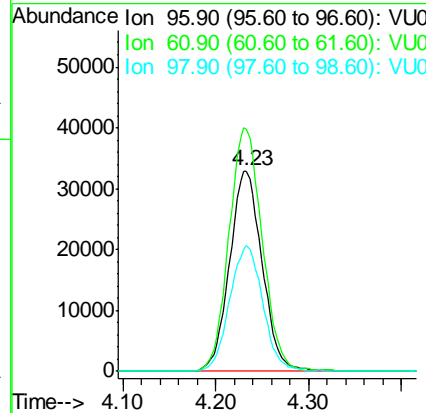
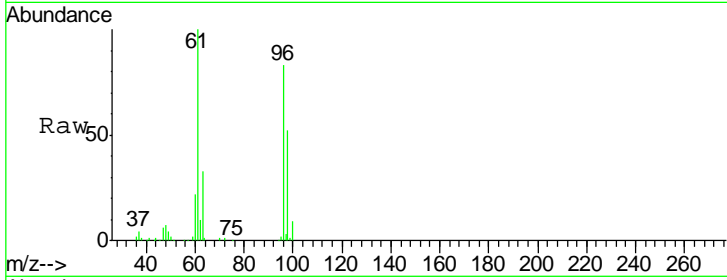




#27
 cis-1,2-Dichloroethene
 Concen: 27.89 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024757.D
 Acq: 20 Jun 2018 14:59

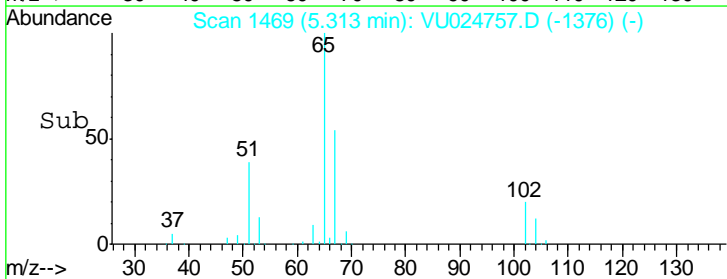
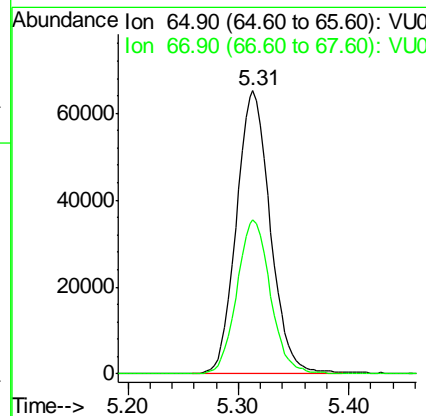
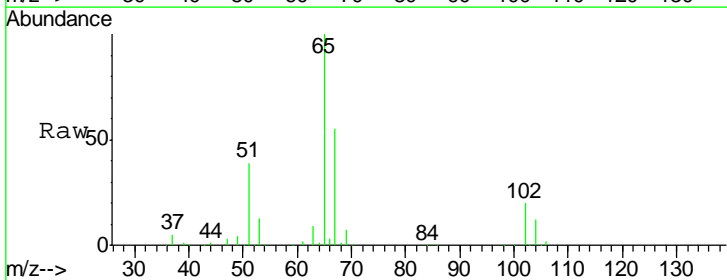
Instrument : MSVOA_U
 ClientSampled : 543-IW-15

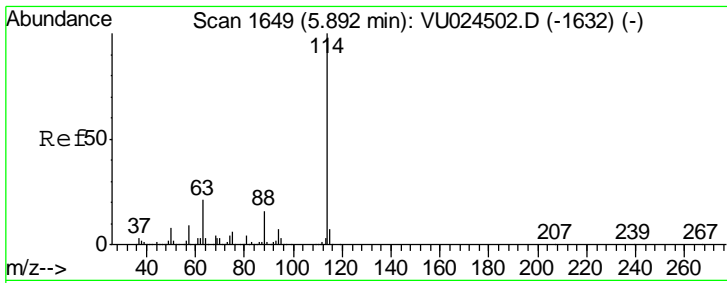
Tgt Ion	Resp	Lower	Upper
96	80308		
61	123.7	0.0	306.6
98	63.6	0.0	128.8



#33
 1,2-Dichloroethane-d4
 Concen: 42.48 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024757.D
 Acq: 20 Jun 2018 14:59

Tgt Ion	Resp	Lower	Upper
65	138464		
67	54.2	0.0	107.0

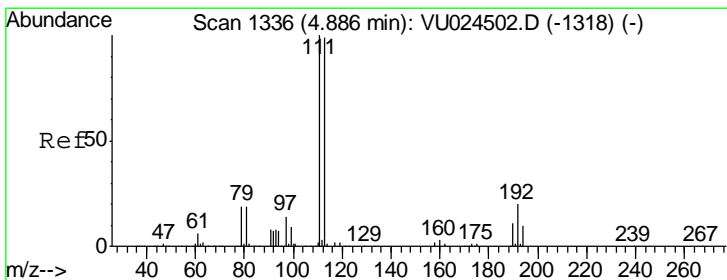
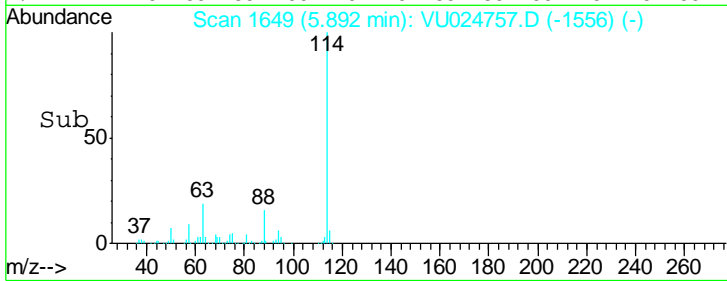
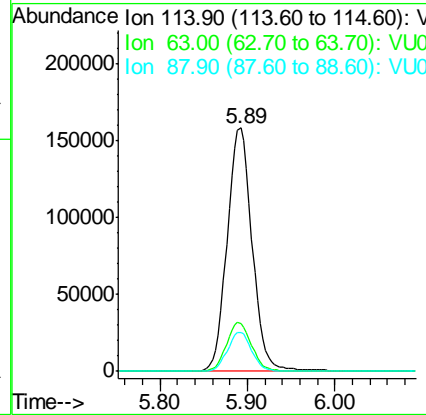
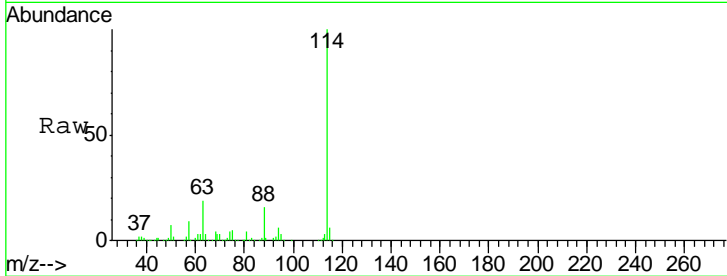




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024757.D
 Acq: 20 Jun 2018 14:59

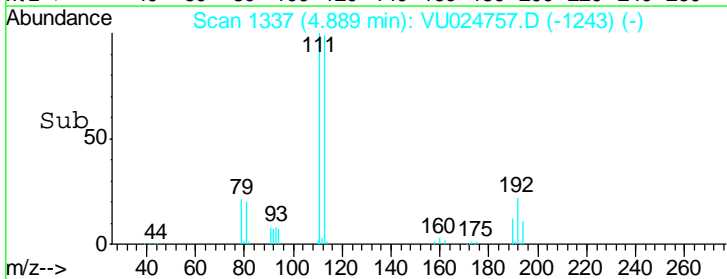
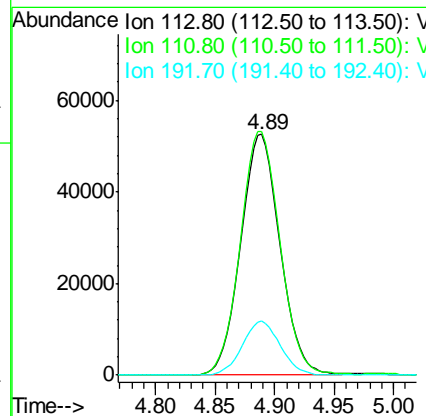
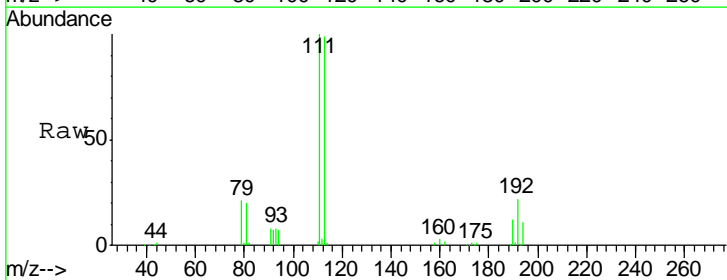
Instrument : MSVOA_U
 ClientSampled : 543-IW-15

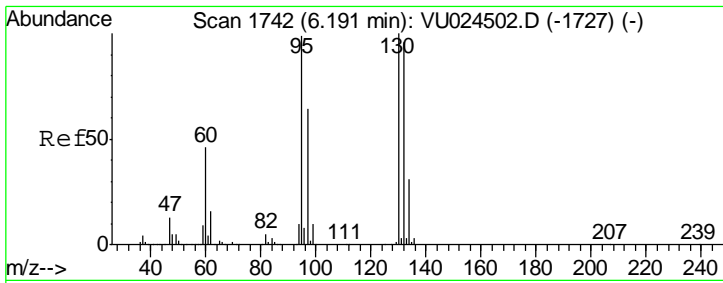
Tgt Ion	Resp	Lower	Upper
114	314494		
63	19.5	0.0	45.4
88	16.1	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 46.11 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024757.D
 Acq: 20 Jun 2018 14:59

Tgt Ion	Resp	Lower	Upper
113	120346		
111	102.1	82.2	123.4
192	21.6	16.2	24.4

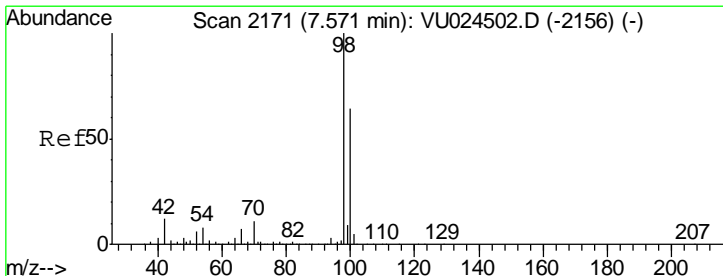
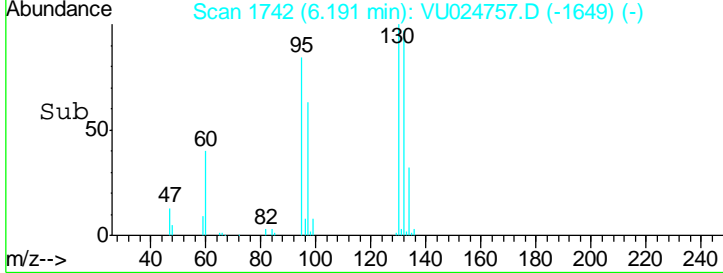
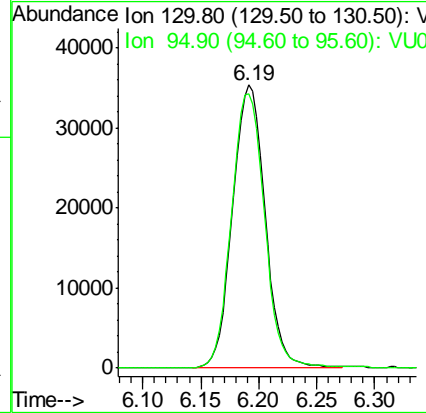
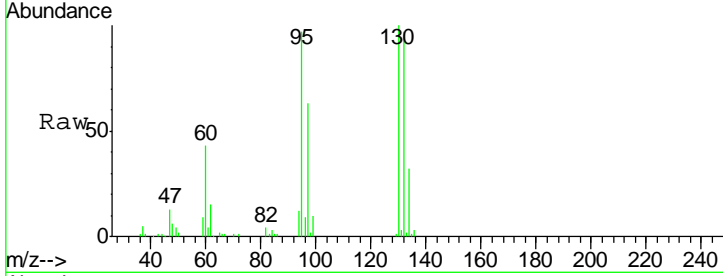




#44
 Trichloroethene
 Concen: 22.93 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU024757.D
 Acq: 20 Jun 2018 14:59

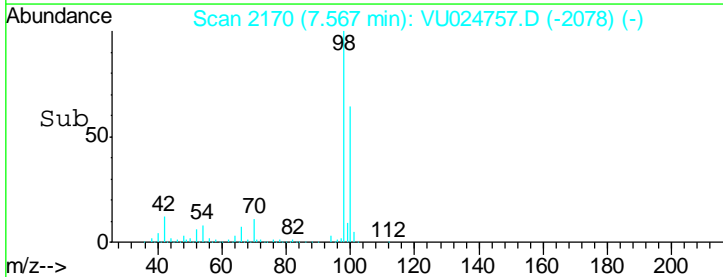
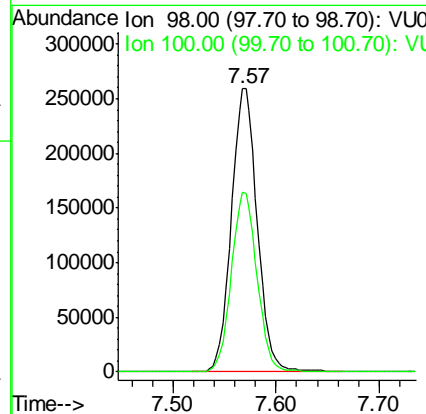
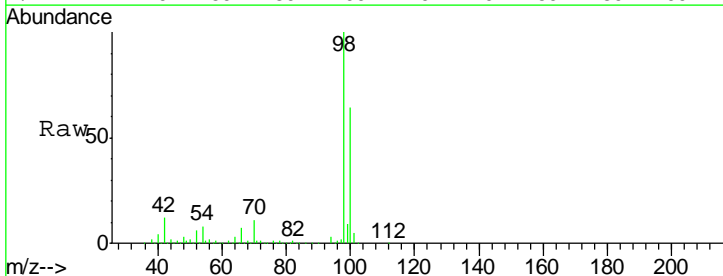
Instrument : MSVOA_U
 ClientSampled : 543-IW-15

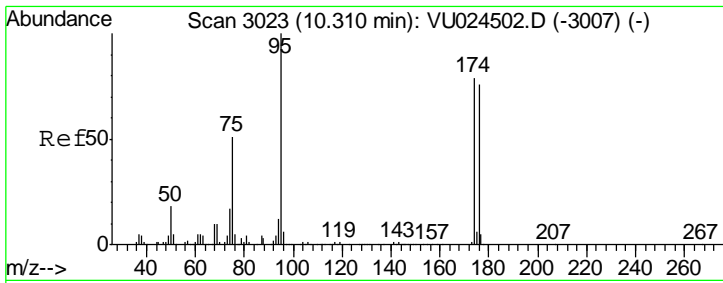
Tgt Ion	Resp	Lower	Upper
130	68712		
95	97.0	0.0	202.4



#50
 Toluene-d8
 Concen: 47.58 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024757.D
 Acq: 20 Jun 2018 14:59

Tgt Ion	Resp	Lower	Upper
98	452968		
100	63.1	51.1	76.7

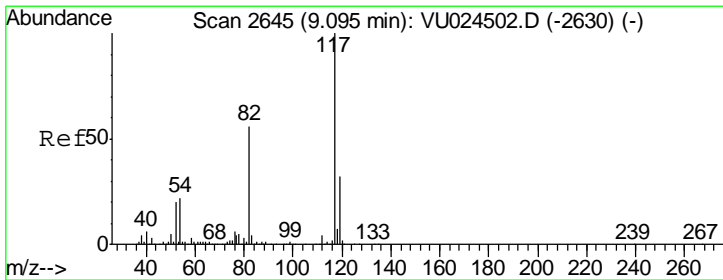
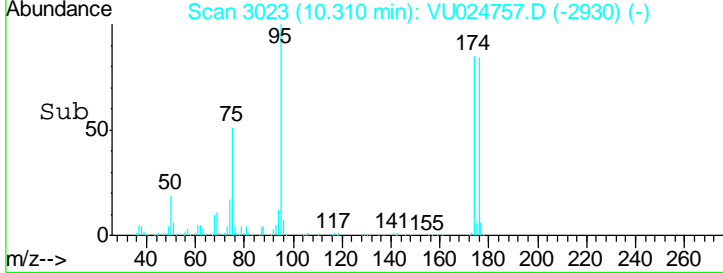
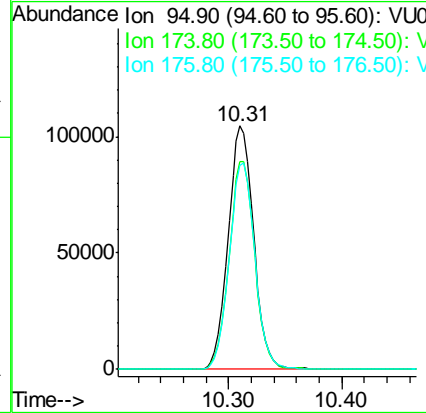
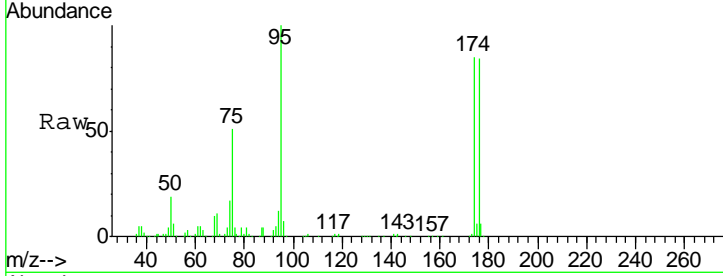




#62
 4-Bromofluorobenzene
 Concen: 43.32 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024757.D
 Acq: 20 Jun 2018 14:59

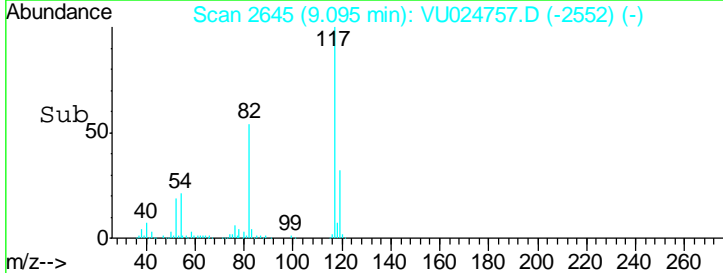
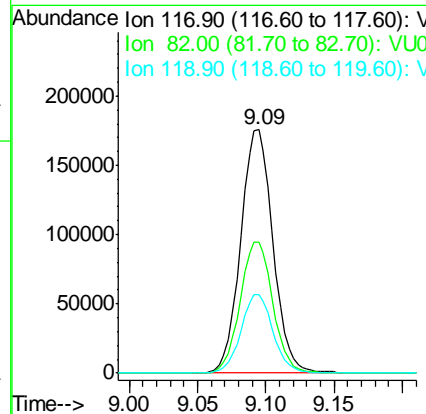
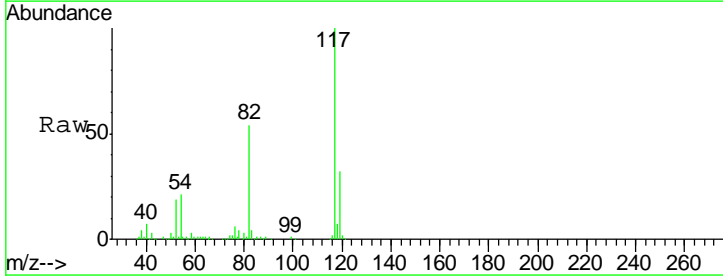
Instrument : MSVOA_U
 Client Sampled : 543-IW-15

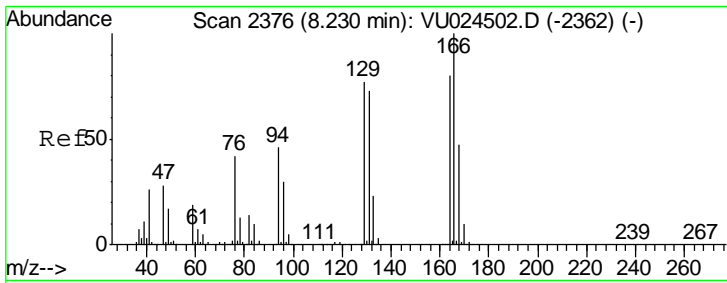
Tgt Ion	Resp	Lower	Upper
95	163732		
174	85.7	0.0	165.8
176	85.2	0.0	159.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU024757.D
 Acq: 20 Jun 2018 14:59

Tgt Ion	Resp	Lower	Upper
117	288454		
82	53.9	44.3	66.5
119	32.5	25.4	38.2

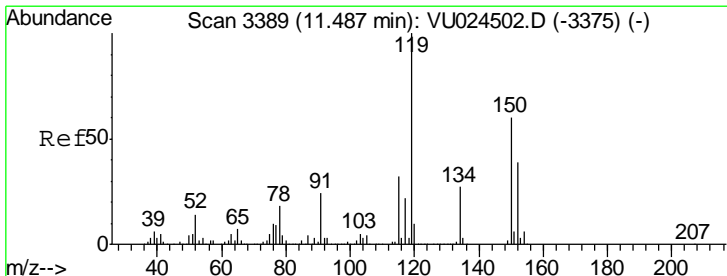
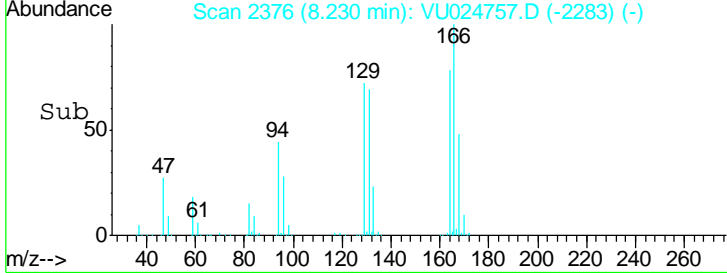
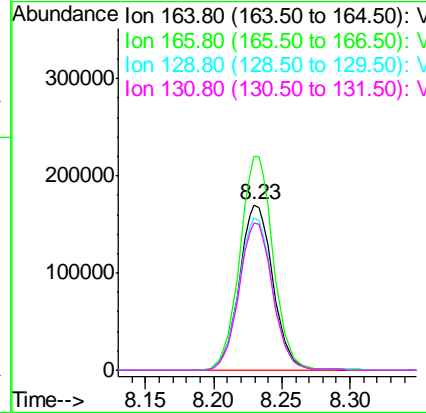
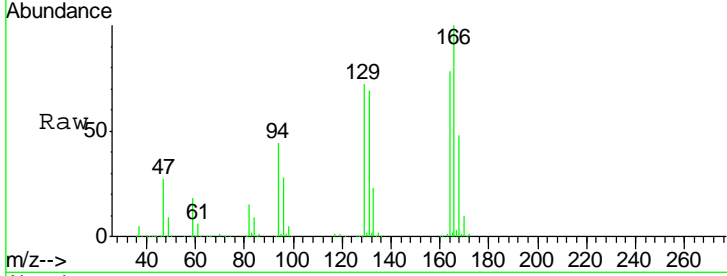




#64
 Tetrachloroethene
 Concen: 105.60 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU024757.D
 Acq: 20 Jun 2018 14:59

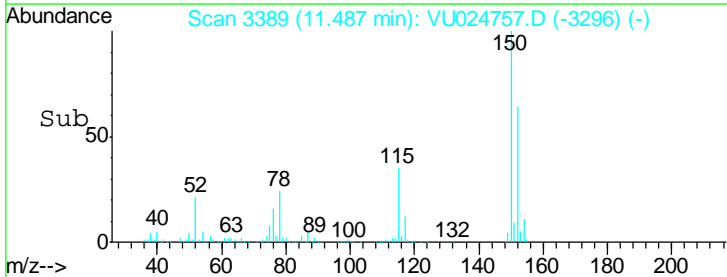
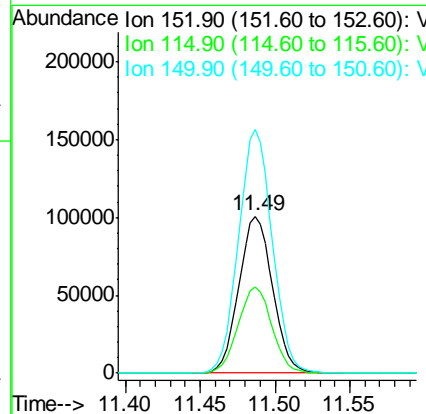
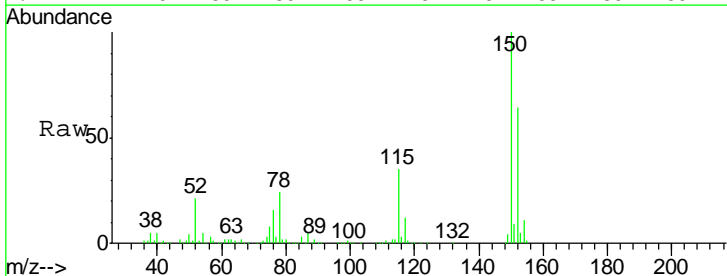
Instrument : MSVOA_U
 ClientSampled : 543-IW-15

Tgt Ion	Resp	Lower	Upper
164	100		
166	128.6	101.7	152.5
129	92.1	76.9	115.3
131	89.0	74.9	112.3



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024757.D
 Acq: 20 Jun 2018 14:59

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.4	43.0	129.0
150	156.1	0.0	354.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024757.D
 Acq On : 20 Jun 2018 14:59
 Operator : MD/SY
 Sample : J3577-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 543-IW-15

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.089	142	155	179	rBV	733585	891600	40.42%	8.491%
2	1.761	357	364	373	rVB2	21608	28203	1.28%	0.269%
3	2.992	733	747	767	rBV7	12631	29239	1.33%	0.278%
4	4.233	1116	1133	1158	rVB2	137597	340123	15.42%	3.239%
5	4.889	1320	1337	1353	rBV	177903	403767	18.30%	3.845%
6	4.989	1353	1368	1389	rVB	253196	558995	25.34%	5.323%
7	5.313	1453	1469	1487	rBV2	181029	381835	17.31%	3.636%
8	5.889	1633	1648	1670	rBV	358797	713691	32.35%	6.797%
9	6.191	1727	1742	1762	rBV	193696	376047	17.05%	3.581%
10	7.567	2148	2170	2190	rBV	670311	1182883	53.62%	11.265%
11	8.230	2362	2376	2403	rBV	1297784	2205889	100.00%	21.007%
12	9.091	2624	2644	2663	rBV	528749	871900	39.53%	8.303%
13	10.310	3011	3023	3047	rBV	524154	821174	37.23%	7.820%
14	11.487	3376	3389	3408	rBV	605921	950998	43.11%	9.057%
15	12.570	3715	3726	3736	rBV3	18267	28230	1.28%	0.269%
16	13.323	3949	3960	3990	rBV3	26092	80064	3.63%	0.762%
17	15.692	4685	4697	4748	rBV	214376	613152	27.80%	5.839%
18	16.020	4791	4799	4811	rVB3	15099	22746	1.03%	0.217%

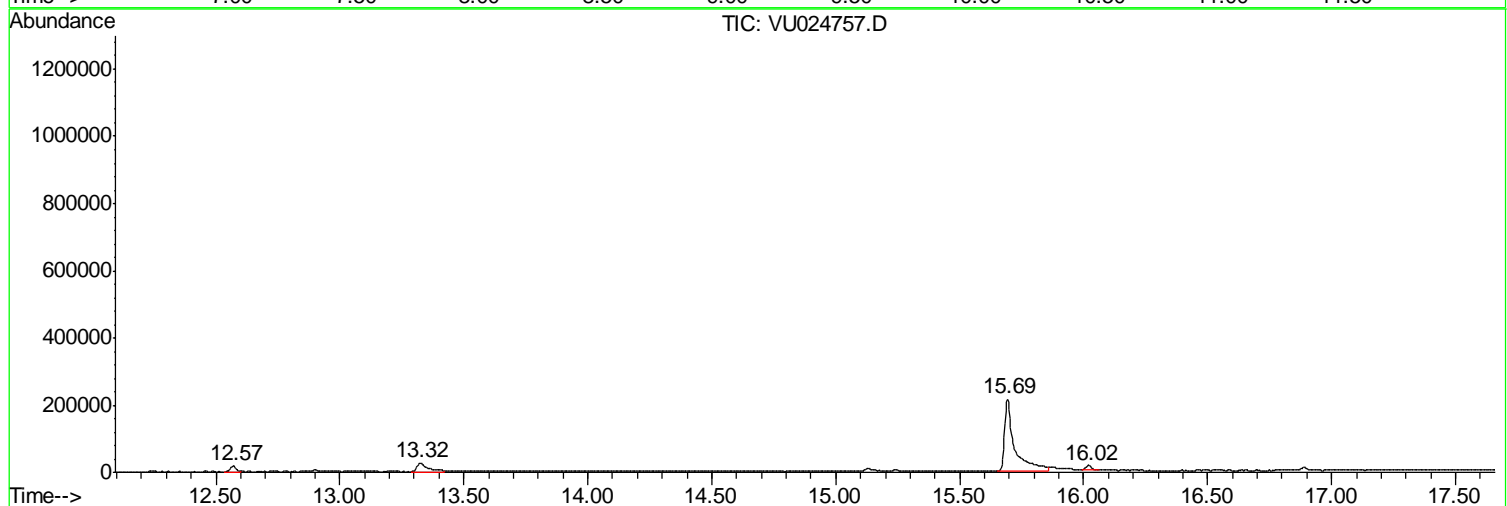
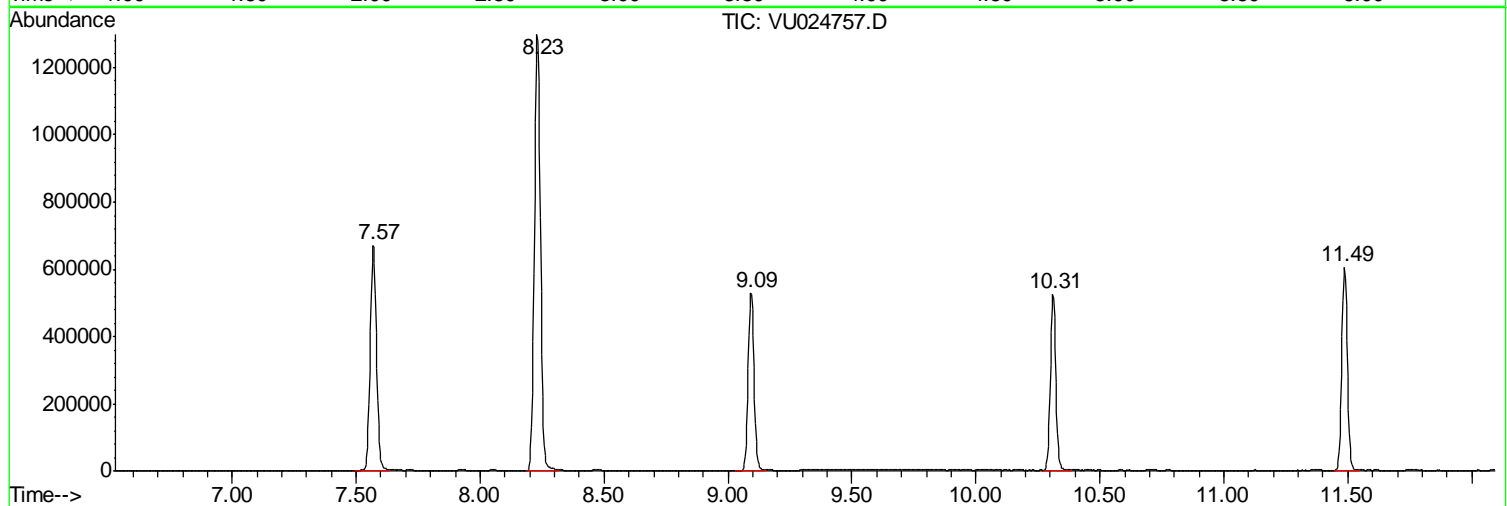
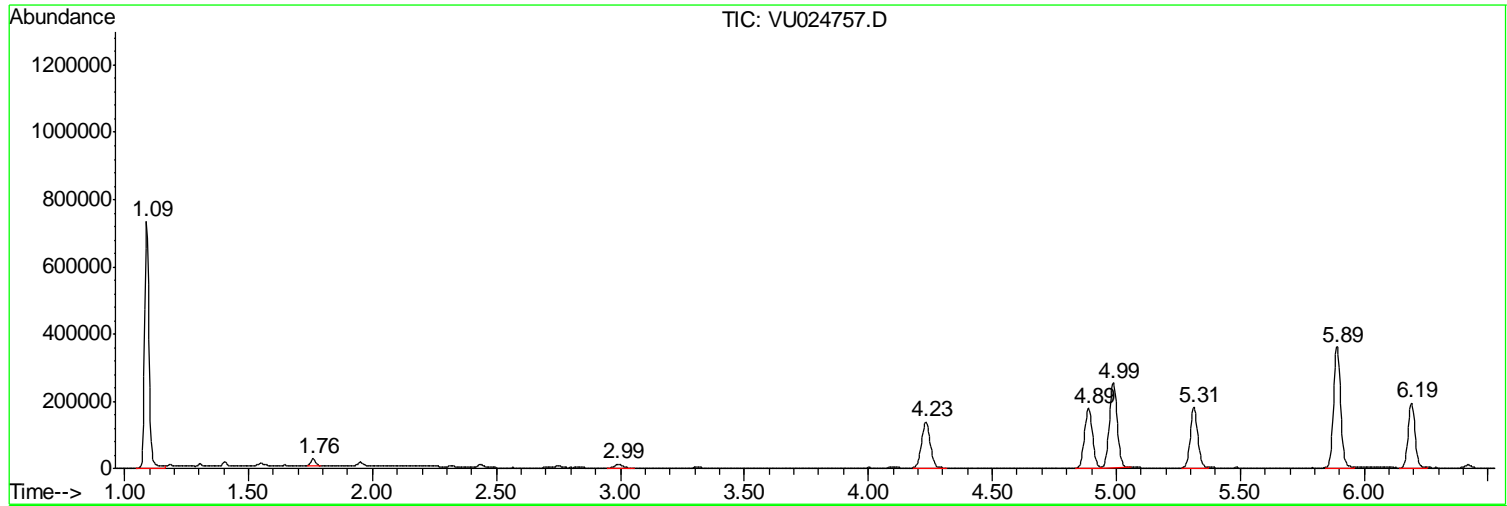
Sum of corrected areas: 10500536

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024757.D
Acq On : 20 Jun 2018 14:59
Operator : MD/SY
Sample : J3577-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
543-IW-15

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024757.D
 Acq On : 20 Jun 2018 14:59
 Operator : MD/SY
 Sample : J3577-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 543-IW-15

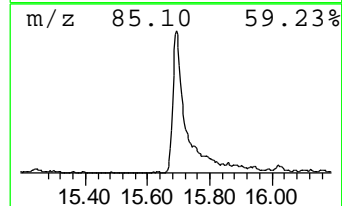
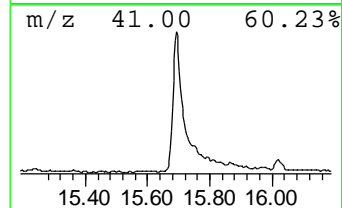
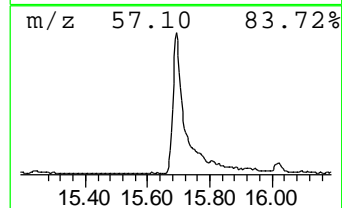
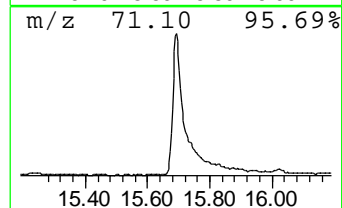
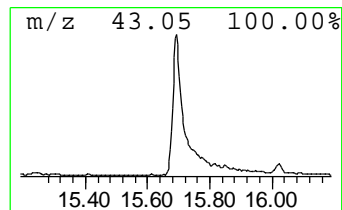
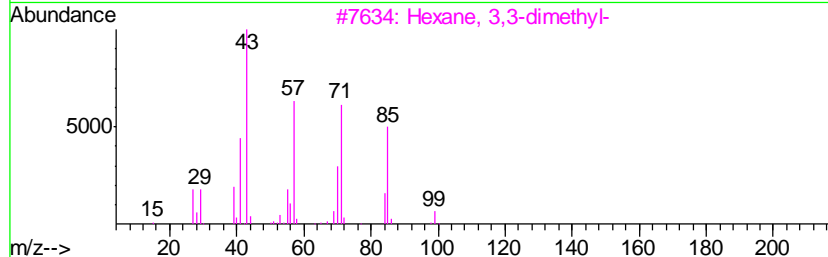
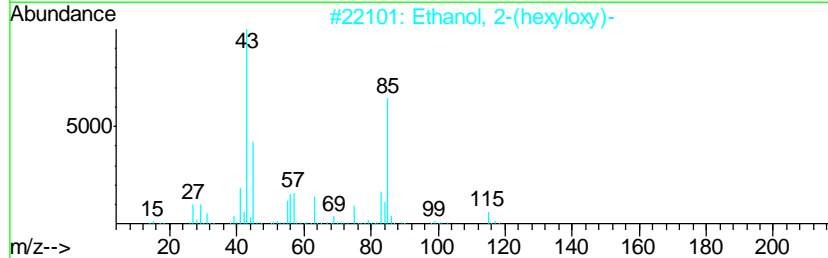
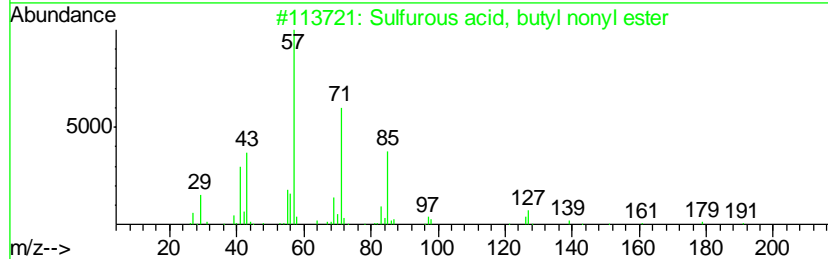
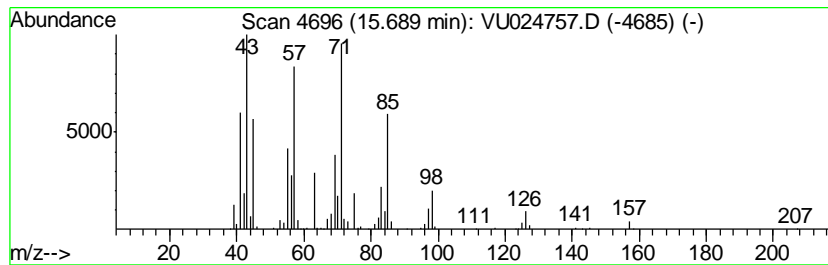
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Sulfurous acid, butyl nonyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	32.24 ug/l	613152	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	50
2		Ethanol, 2-(hexyloxy)-	146	C8H18O2	000112-25-4	43
3		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	38
4		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	38
5		Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024757.D
 Acq On : 20 Jun 2018 14:59
 Operator : MD/SY
 Sample : J3577-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 543-IW-15

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Sulfurous acid, b...	15.69	32.2	ug/l	613152	4	11.49	950998	50.0

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	544-IW-16	SDG No.:	J3577
Lab Sample ID:	J3577-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024765.D	1		06/20/18 18:20	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	66.6		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	2.8	J	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	544-IW-16	SDG No.:	J3577
Lab Sample ID:	J3577-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024765.D	1		06/20/18 18:20	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.7		61 - 141		85%	SPK: 50
1868-53-7	Dibromofluoromethane	47		69 - 133		94%	SPK: 50
2037-26-5	Toluene-d8	48.8		65 - 126		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		58 - 135		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	195077	4.99				
540-36-3	1,4-Difluorobenzene	299892	5.89				
3114-55-4	Chlorobenzene-d5	281280	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	151695	11.49				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	544-IW-16	SDG No.:	J3577
Lab Sample ID:	J3577-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024765.D	1		06/20/18 18:20	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024765.D
 Acq On : 20 Jun 2018 18:20
 Operator : MD/SY
 Sample : J3577-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 544-IW-16

Quant Time: Jun 20 19:01:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299892	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151695	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	135989	42.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		85.40%
35) Dibromofluoromethane	4.89	113	116942	46.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		93.98%
50) Toluene-d8	7.57	98	443155	48.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		97.62%
62) 4-Bromofluorobenzene	10.31	95	157628	43.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=		87.46%

Target Compounds

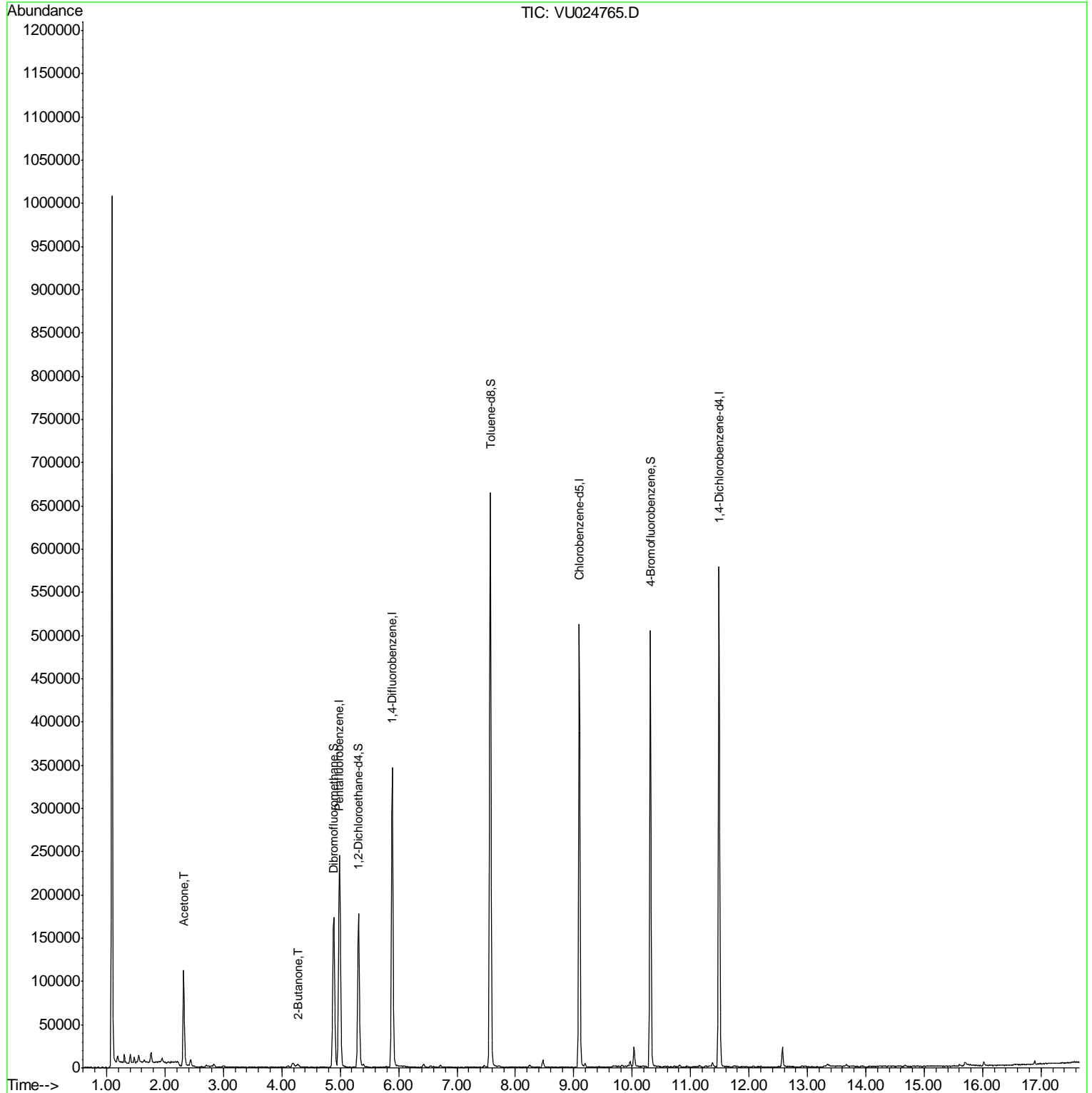
						Qvalue
16) Acetone	2.32	43	113909	66.57	ug/l	95
25) 2-Butanone	4.27	43	6323	2.75	ug/l	99

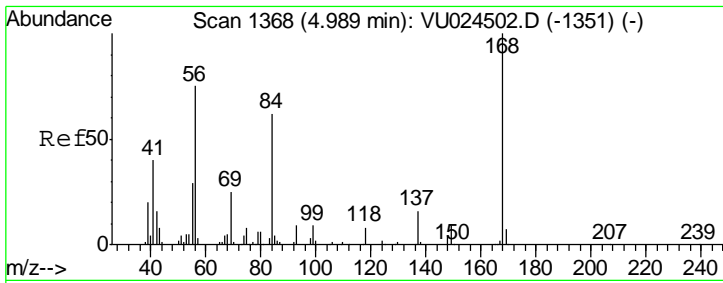
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024765.D
Acq On : 20 Jun 2018 18:20
Operator : MD/SY
Sample : J3577-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
544-IW-16

Quant Time: Jun 20 19:01:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

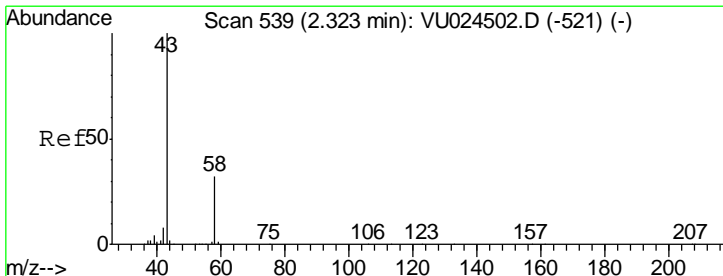
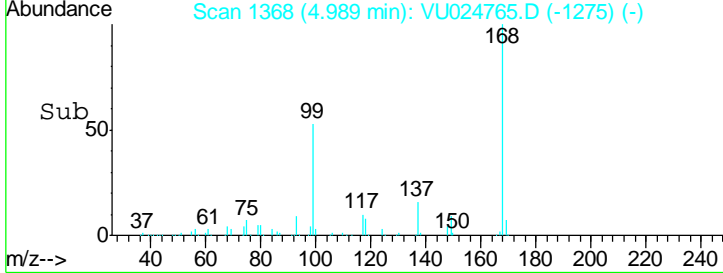
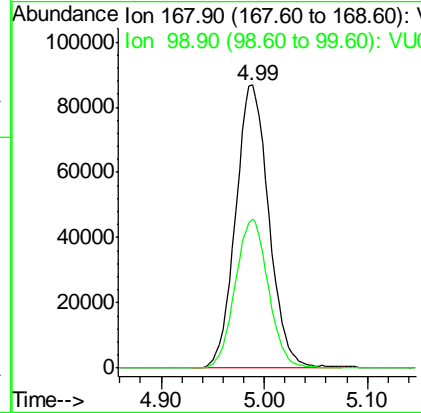
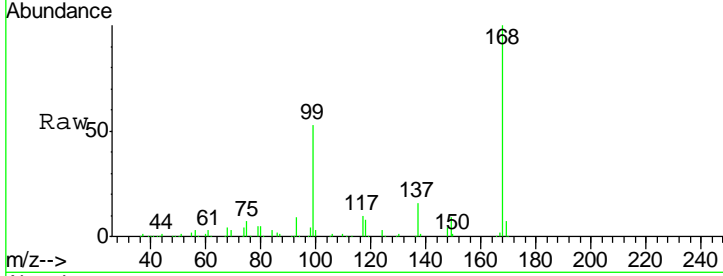




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VU024765.D
 Acq: 20 Jun 2018 18:20

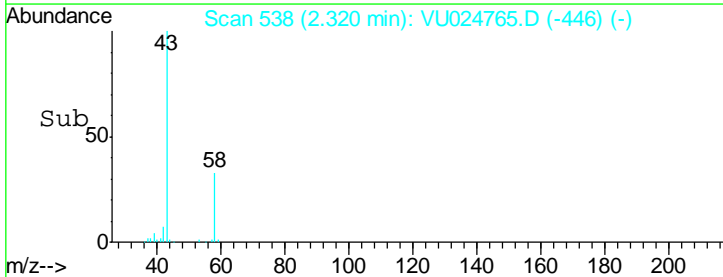
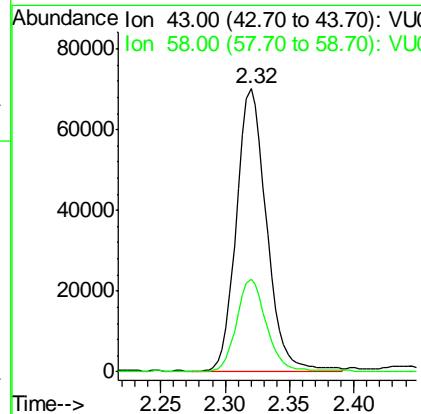
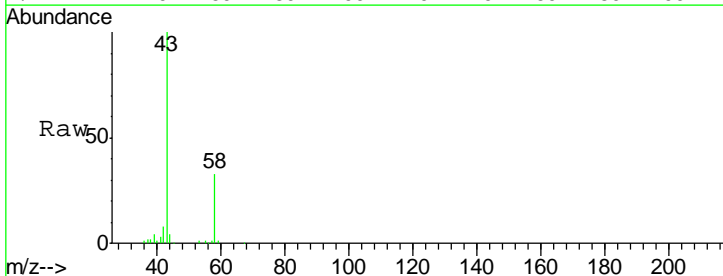
Instrument :
 MSVOA_U
 ClientSampled :
 544-IW-16

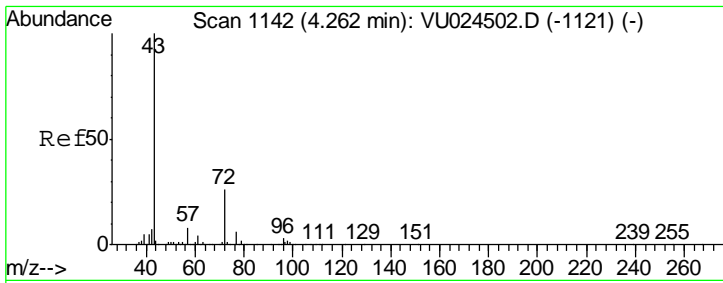
Tgt Ion	Resp	Lower	Upper
168	195077		
99	52.7	43.2	64.8



#16
 Acetone
 Concen: 66.57 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024765.D
 Acq: 20 Jun 2018 18:20

Tgt Ion	Resp	Lower	Upper
43	113909		
58	33.0	24.4	36.6

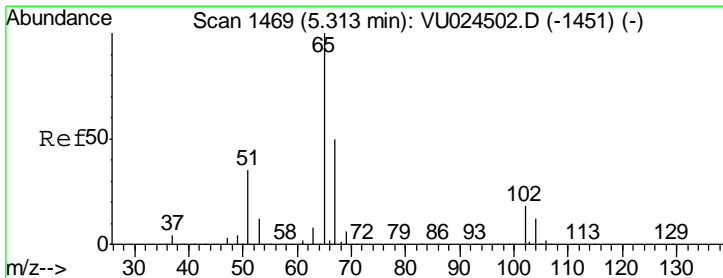
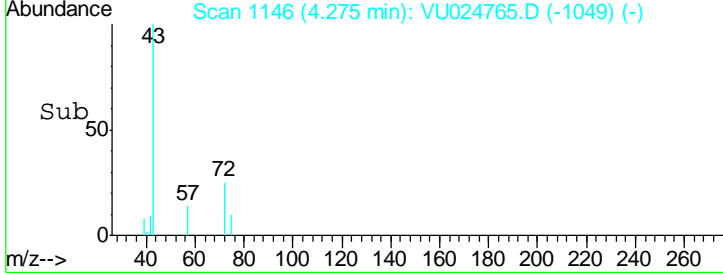
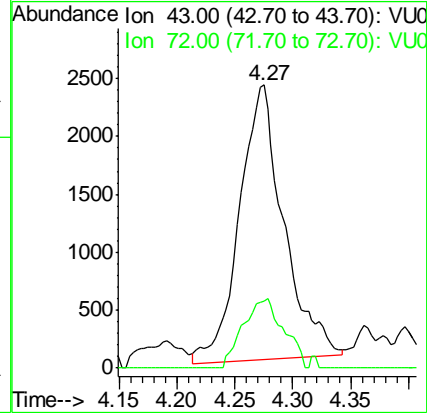
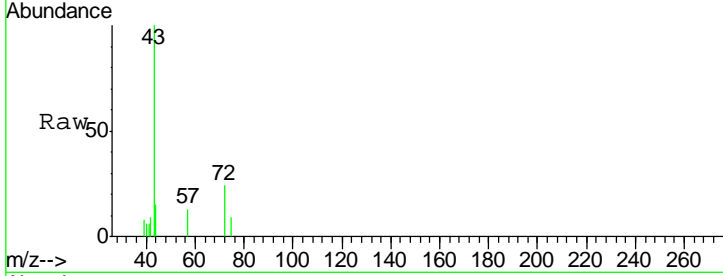




#25
 2-Butanone
 Concen: 2.75 ug/l
 RT: 4.27 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VU024765.D
 Acq: 20 Jun 2018 18:20

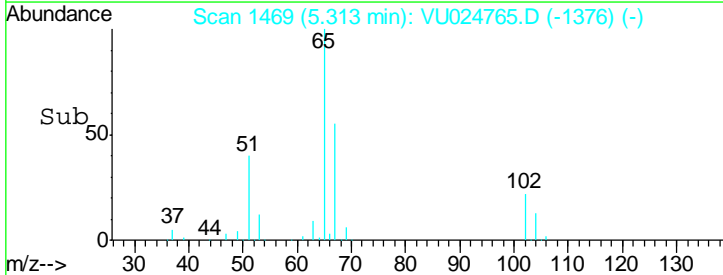
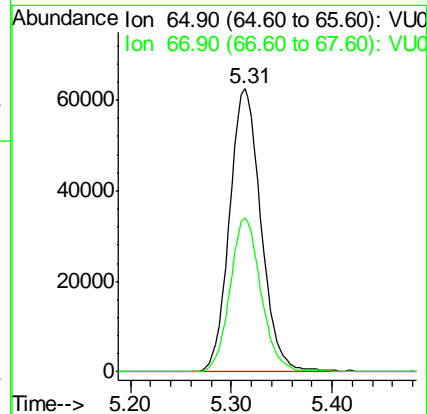
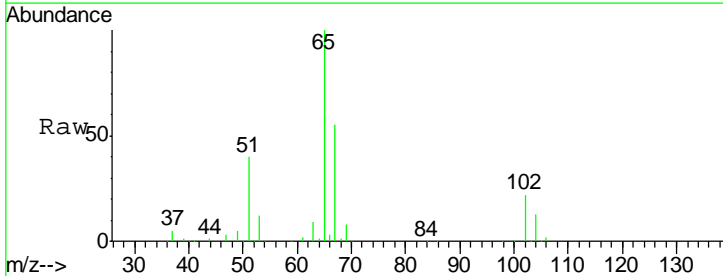
Instrument : MSVOA_U
 Client Sampled : 544-IW-16

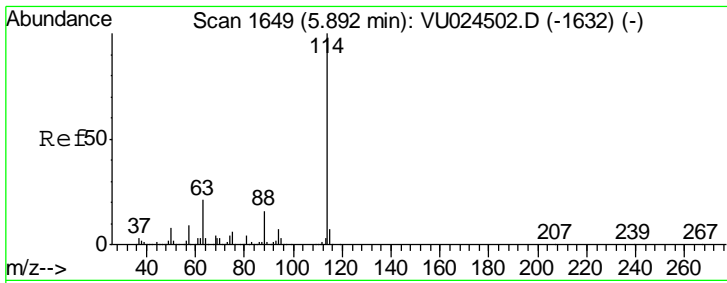
Tgt Ion	Resp	Lower	Upper
43	100		
72	25.0	19.6	29.4



#33
 1,2-Dichloroethane-d4
 Concen: 42.70 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024765.D
 Acq: 20 Jun 2018 18:20

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.5	0.0	107.0

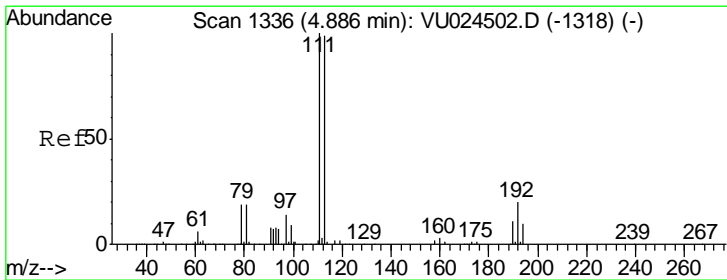
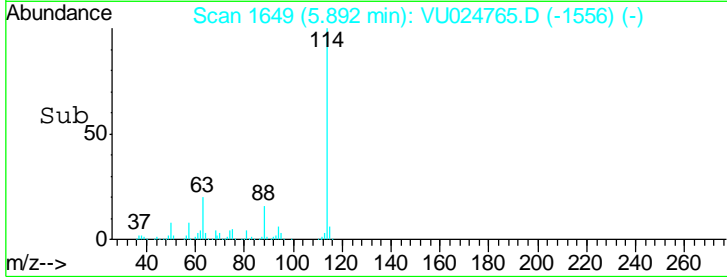
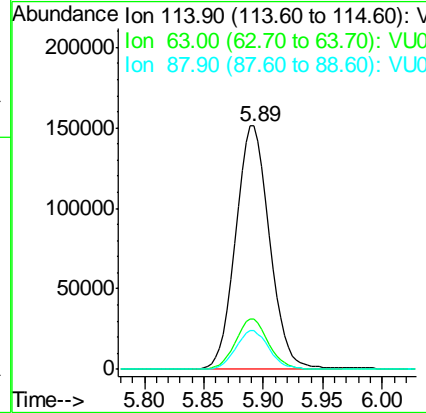
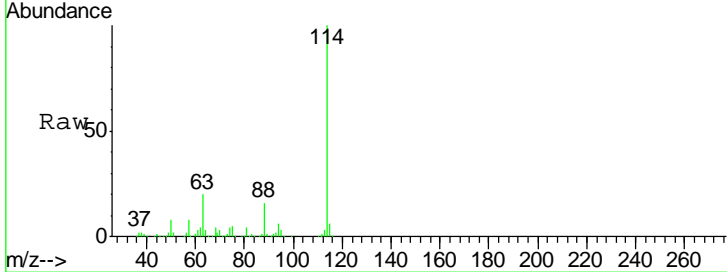




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024765.D
 Acq: 20 Jun 2018 18:20

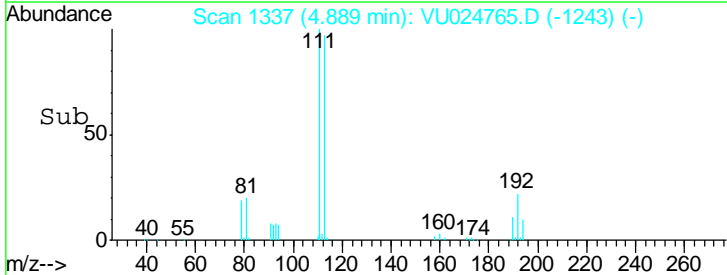
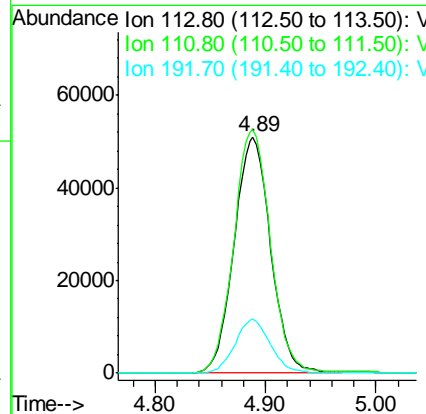
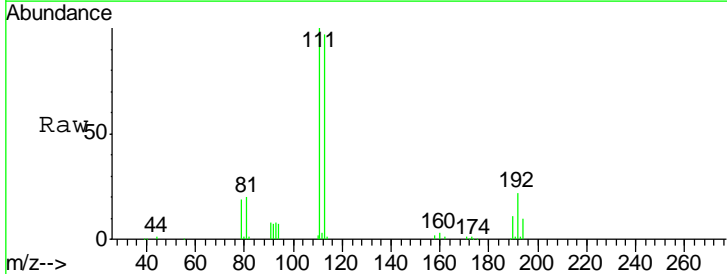
Instrument : MSVOA_U
 ClientSampled : 544-IW-16

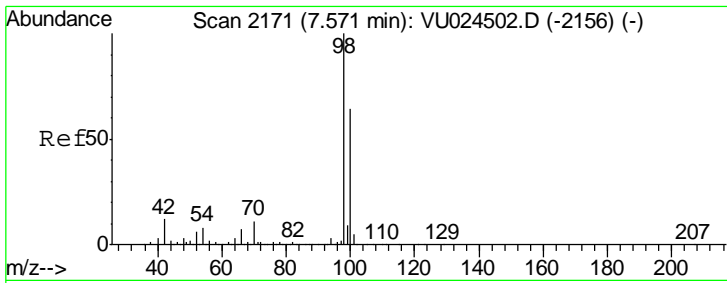
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.4	0.0	45.4
88	15.7	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 46.99 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024765.D
 Acq: 20 Jun 2018 18:20

Tgt Ion	Resp	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	21.9	16.2	24.4

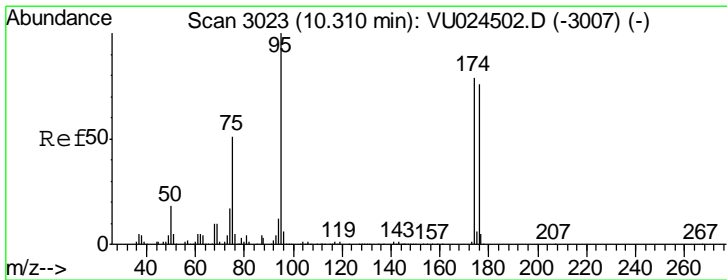
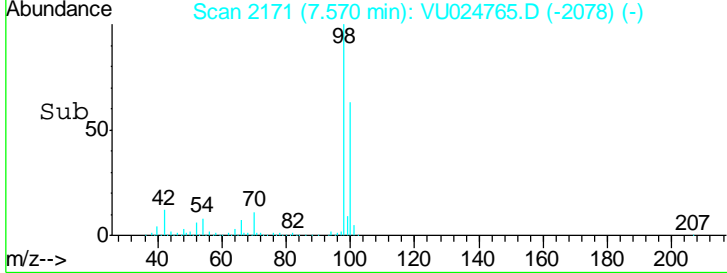
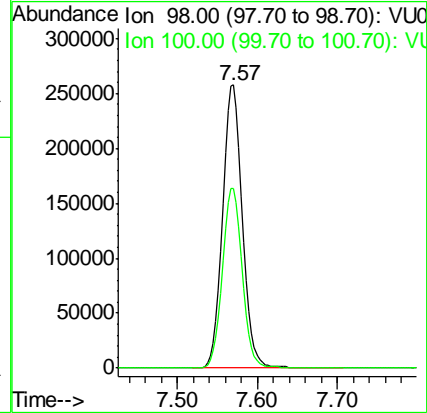
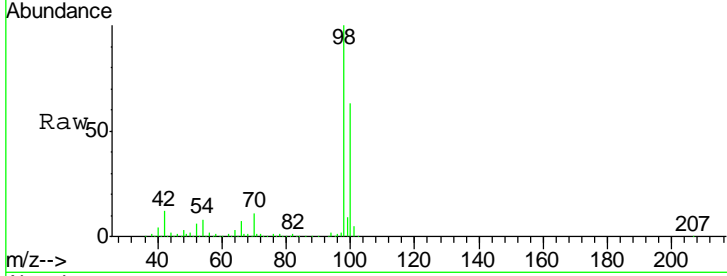




#50
 Toluene-d8
 Concen: 48.81 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU024765.D
 Acq: 20 Jun 2018 18:20

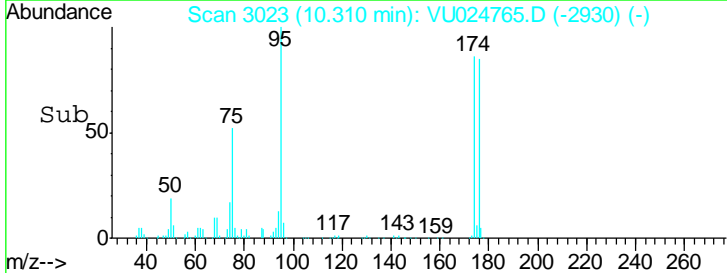
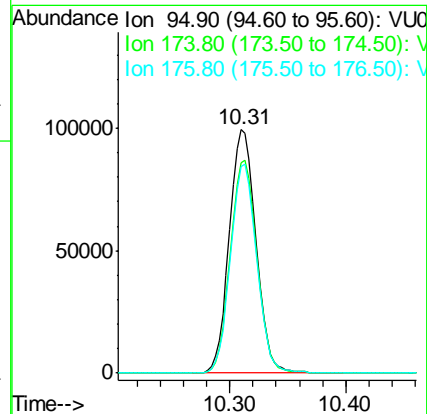
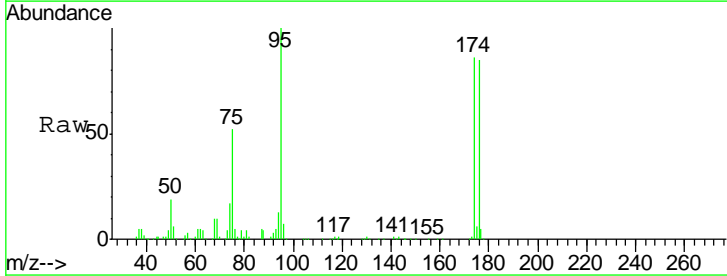
Instrument :
 MSVOA_U
 ClientSampled :
 544-IW-16

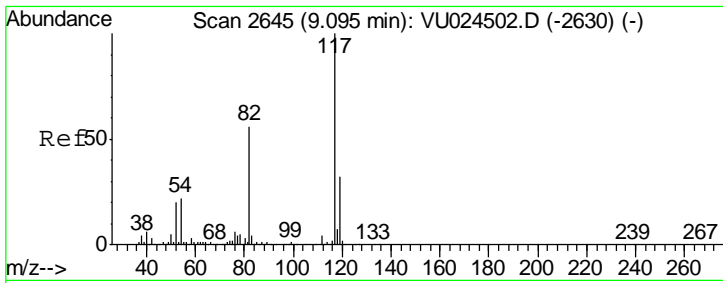
Tgt Ion	Resp	Lower	Upper
98	100		
100	63.6	51.1	76.7



#62
 4-Bromofluorobenzene
 Concen: 43.73 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024765.D
 Acq: 20 Jun 2018 18:20

Tgt Ion	Resp	Lower	Upper
95	100		
174	87.2	0.0	165.8
176	84.3	0.0	159.4

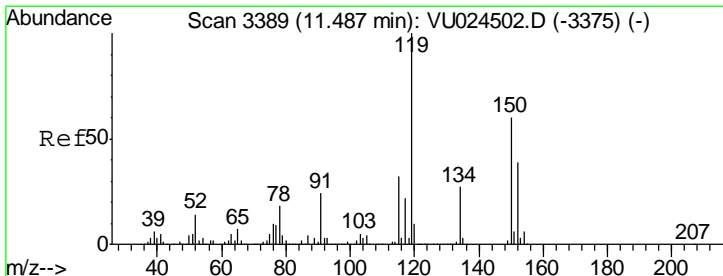
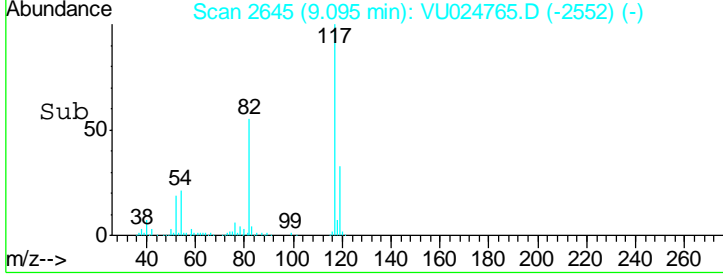
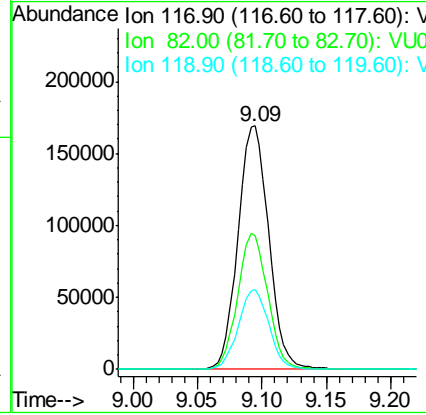
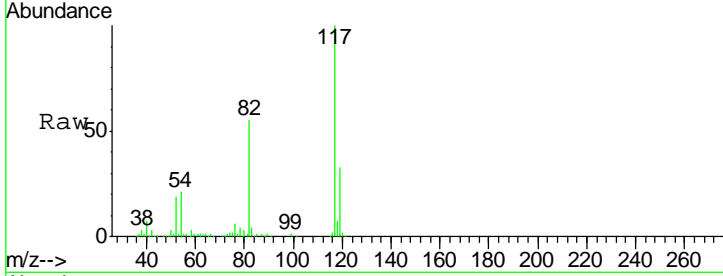




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VU024765.D
 Acq: 20 Jun 2018 18:20

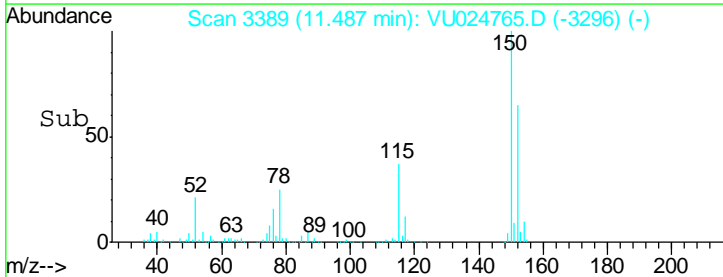
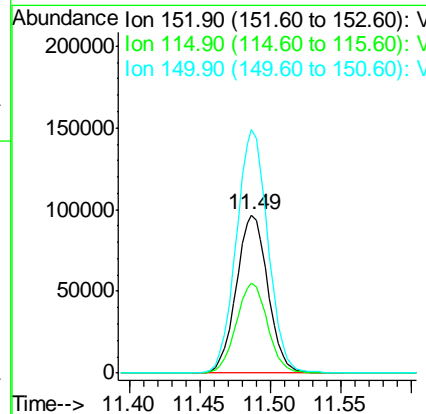
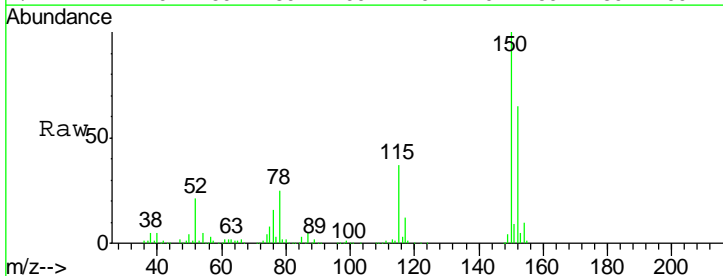
Instrument : MSVOA_U
 ClientSampled : 544-IW-16

Tgt Ion	Resp	Lower	Upper
117	281280		
82	54.7	44.3	66.5
119	32.5	25.4	38.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024765.D
 Acq: 20 Jun 2018 18:20

Tgt Ion	Resp	Lower	Upper
152	151695		
115	56.5	43.0	129.0
150	154.4	0.0	354.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024765.D
 Acq On : 20 Jun 2018 18:20
 Operator : MD/SY
 Sample : J3577-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 544-IW-16

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.088	134	155	178	rBV	1008552	1195372	100.00%	16.624%
2	1.760	358	364	376	rVB2	12132	16730	1.40%	0.233%
3	2.320	527	538	557	rBV	110502	178146	14.90%	2.477%
4	4.889	1319	1337	1353	rBV	173465	394802	33.03%	5.491%
5	4.989	1353	1368	1397	rVB	245130	547020	45.76%	7.607%
6	5.313	1453	1469	1488	rBV2	177367	376032	31.46%	5.229%
7	5.889	1633	1648	1672	rBV	346922	692140	57.90%	9.626%
8	7.570	2152	2171	2198	rBV	664130	1154225	96.56%	16.052%
9	8.471	2437	2451	2466	rBV5	8567	15659	1.31%	0.218%
10	9.091	2631	2644	2668	rBV	512115	847638	70.91%	11.788%
11	10.030	2926	2936	2950	rBV3	22216	35485	2.97%	0.493%
12	10.310	3011	3023	3043	rBV	504091	791183	66.19%	11.003%
13	11.487	3377	3389	3408	rBV	578851	909695	76.10%	12.651%
14	12.570	3711	3726	3741	rBV2	23378	36508	3.05%	0.508%

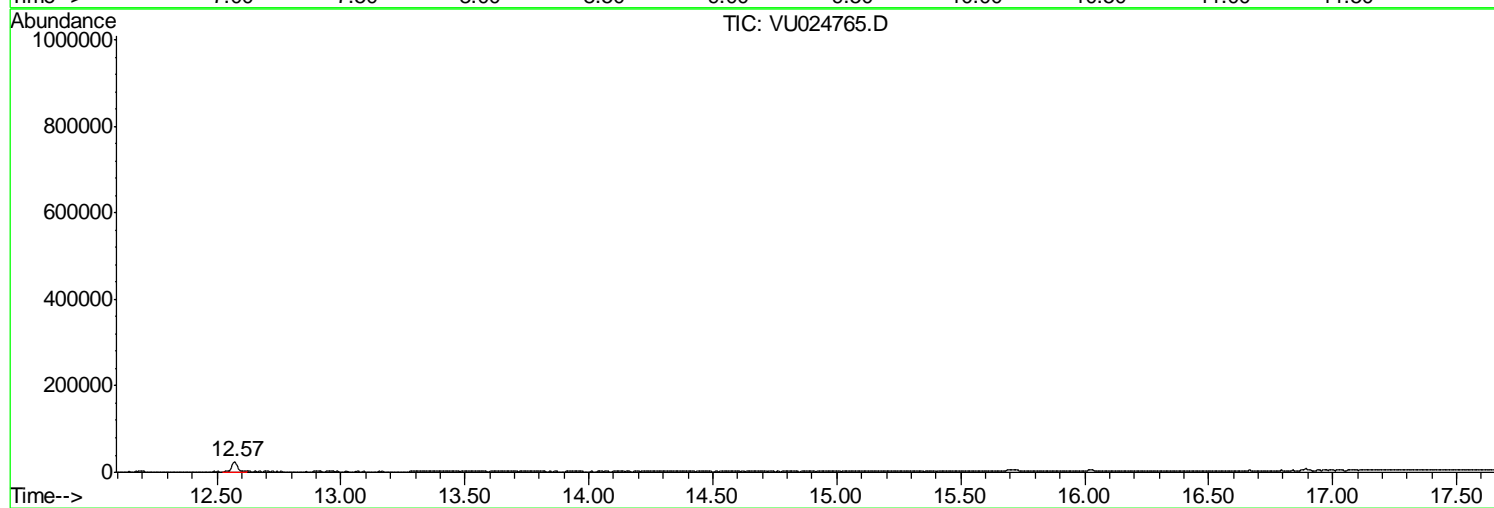
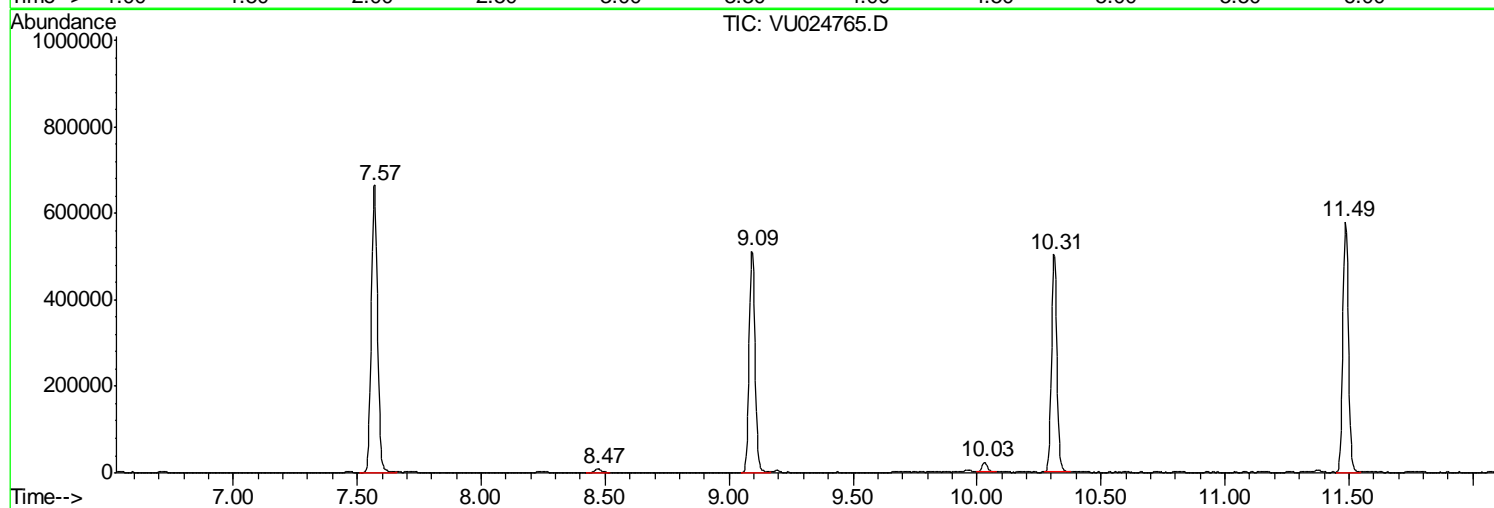
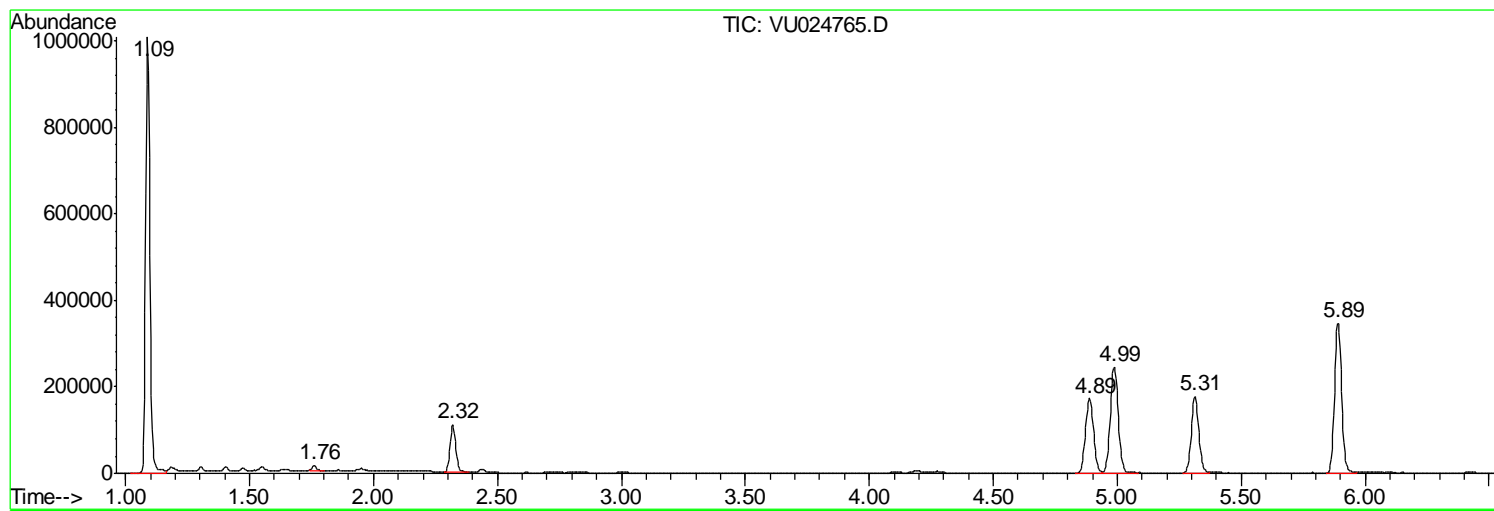
Sum of corrected areas: 7190635

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024765.D
Acq On : 20 Jun 2018 18:20
Operator : MD/SY
Sample : J3577-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
544-IW-16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
Data File : VU024765.D
Acq On : 20 Jun 2018 18:20
Operator : MD/SY
Sample : J3577-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
544-IW-16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024765.D
 Acq On : 20 Jun 2018 18:20
 Operator : MD/SY
 Sample : J3577-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 544-IW-16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	545-IW-21	SDG No.:	J3577
Lab Sample ID:	J3577-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024763.D	1		06/20/18 17:31	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	25.6		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	545-IW-21	SDG No.:	J3577
Lab Sample ID:	J3577-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024763.D	1		06/20/18 17:31	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	140		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.2		61 - 141		88%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		69 - 133		93%	SPK: 50
2037-26-5	Toluene-d8	47.7		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		58 - 135		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	193657	4.99				
540-36-3	1,4-Difluorobenzene	304956	5.89				
3114-55-4	Chlorobenzene-d5	281242	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	153318	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	545-IW-21	SDG No.:	J3577
Lab Sample ID:	J3577-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024763.D	1		06/20/18 17:31	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024763.D
 Acq On : 20 Jun 2018 17:31
 Operator : MD/SY
 Sample : J3577-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 545-IW-21

Quant Time: Jun 20 18:57:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

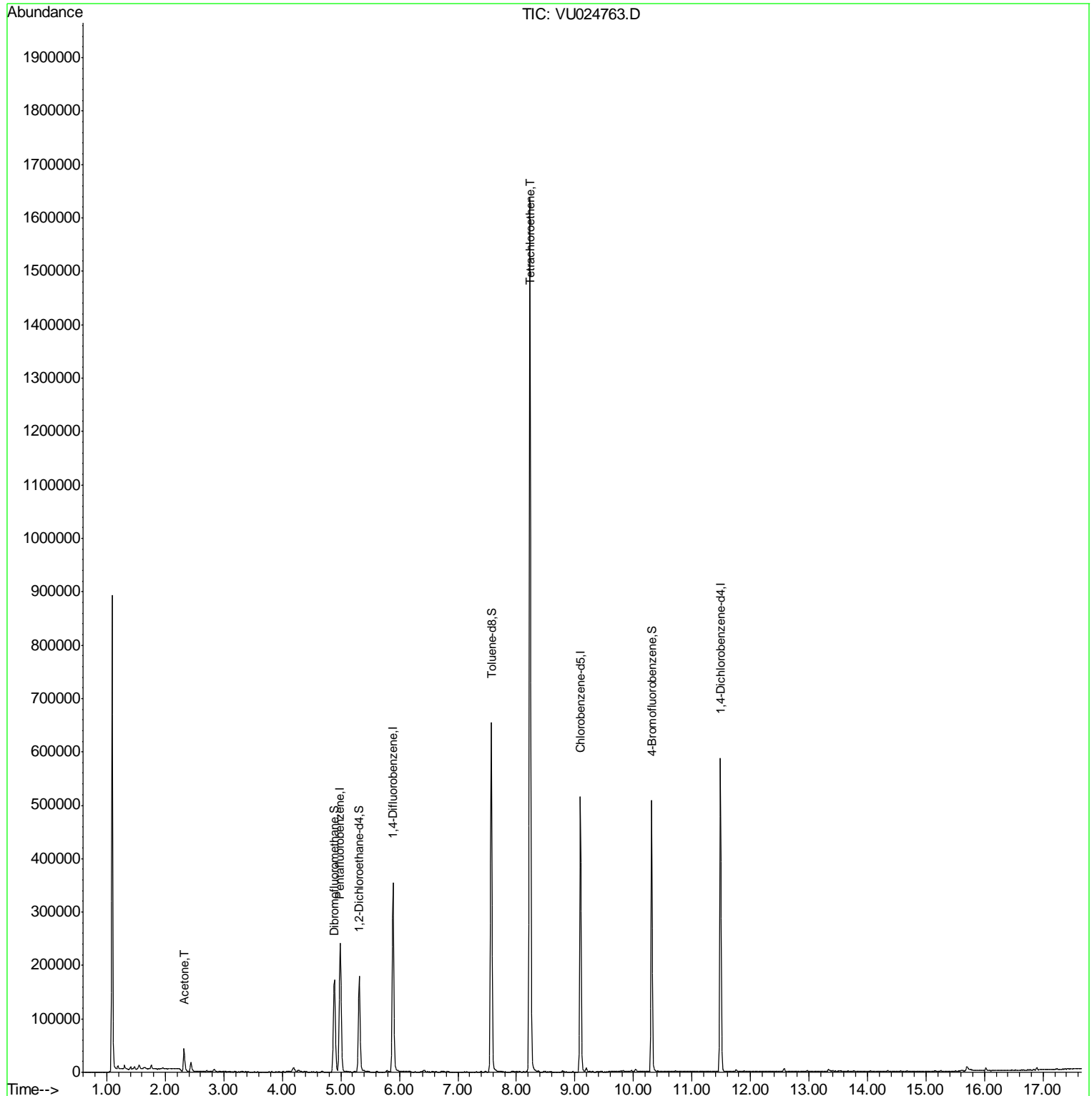
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	193657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304956	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153318	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	139618	44.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.32%	
35) Dibromofluoromethane	4.89	113	117472	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
50) Toluene-d8	7.57	98	440535	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
62) 4-Bromofluorobenzene	10.31	95	160181	43.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.40%	
Target Compounds						
16) Acetone	2.32	43	43394	25.55	ug/l	98
64) Tetrachloroethene	8.23	164	366051	136.93	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

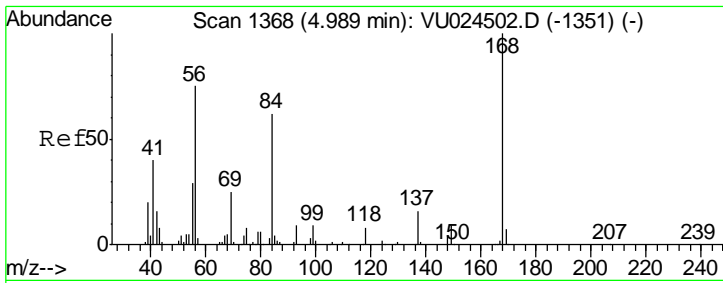
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024763.D
 Acq On : 20 Jun 2018 17:31
 Operator : MD/SY
 Sample : J3577-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 545-IW-21

Quant Time: Jun 20 18:57:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration



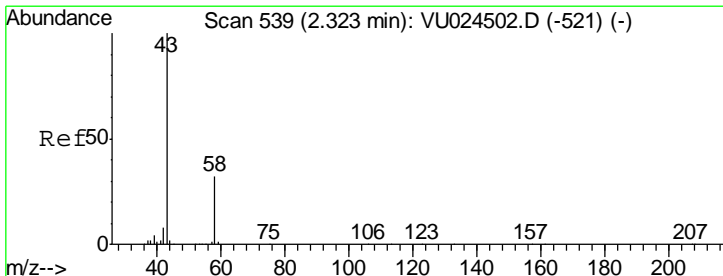
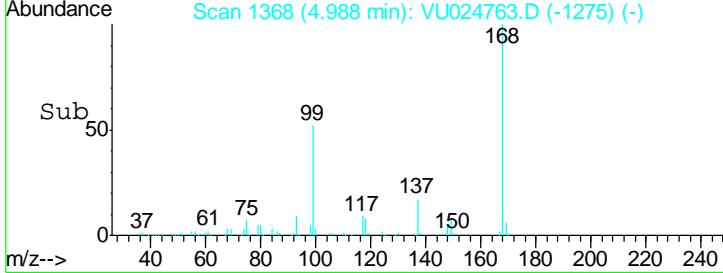
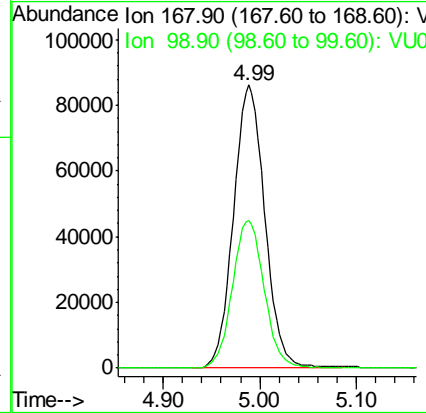
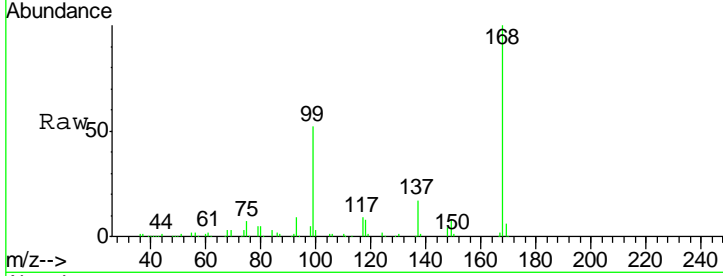
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VU024763.D
 Acq: 20 Jun 2018 17:31

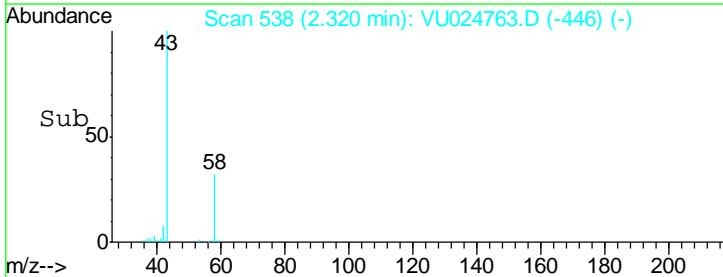
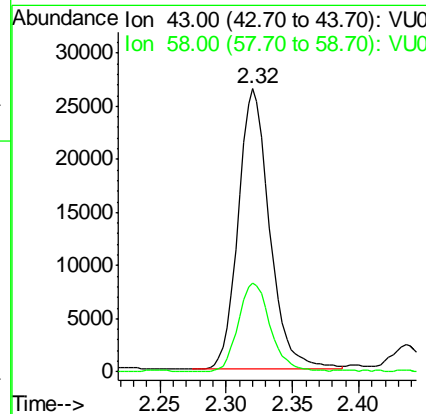
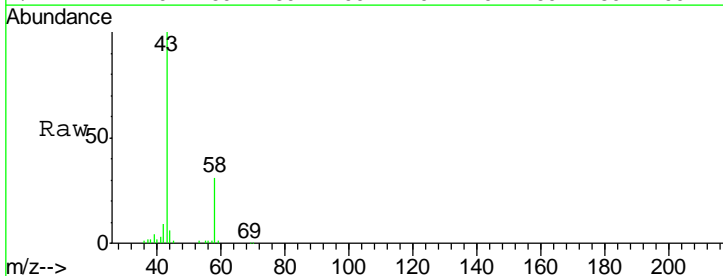
Instrument : MSVOA_U
 ClientSampled : 545-IW-21

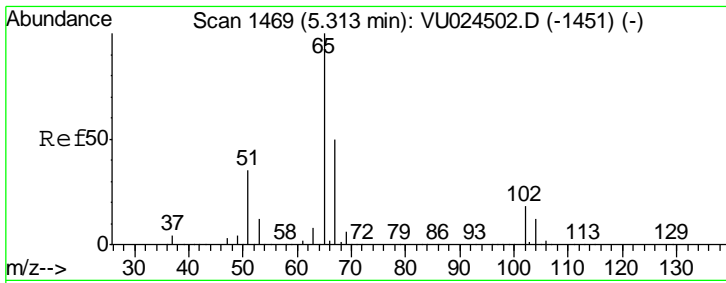
Tgt Ion	Resp	Lower	Upper
168	193657		
99	52.2	43.2	64.8



#16
 Acetone
 Concen: 25.55 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024763.D
 Acq: 20 Jun 2018 17:31

Tgt Ion	Resp	Lower	Upper
43	43394		
58	31.6	24.4	36.6

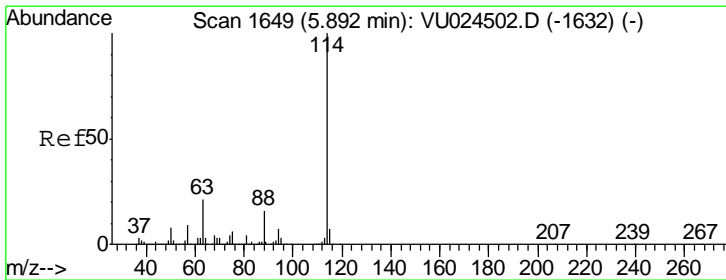
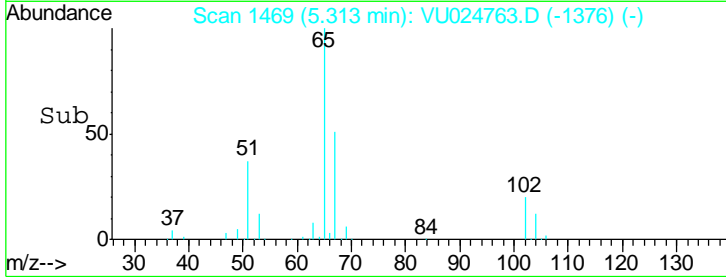
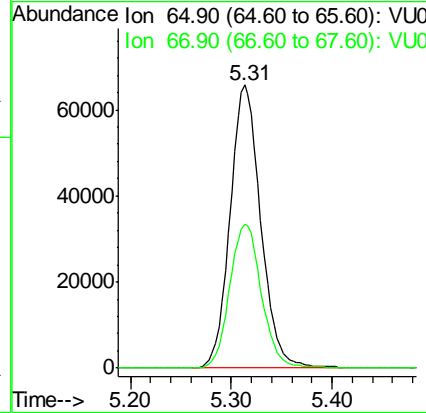
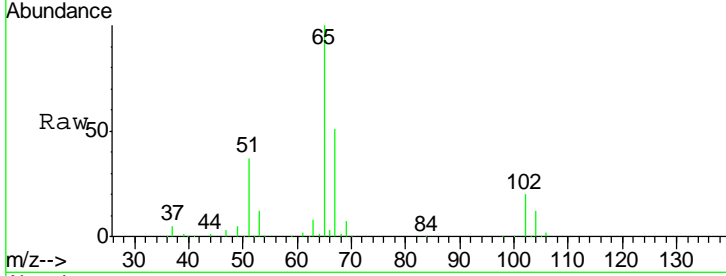




#33
 1,2-Dichloroethane-d4
 Concen: 44.16 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024763.D
 Acq: 20 Jun 2018 17:31

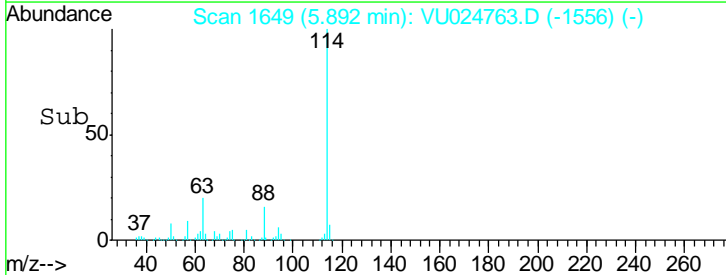
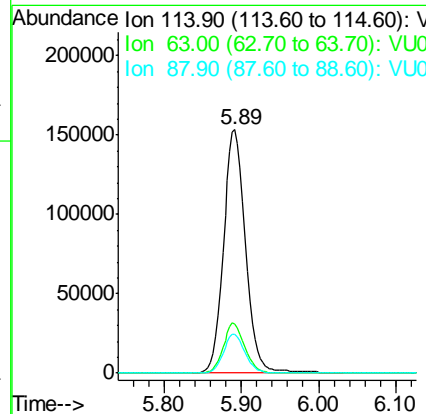
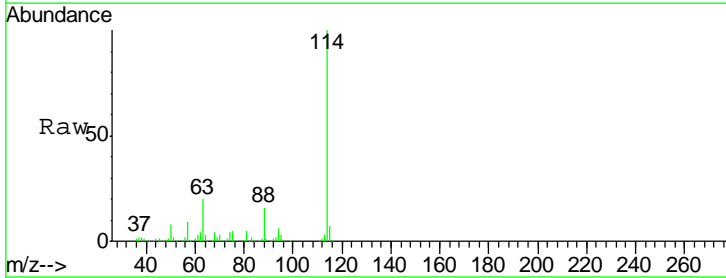
Instrument : MSVOA_U
 ClientSampled : 545-IW-21

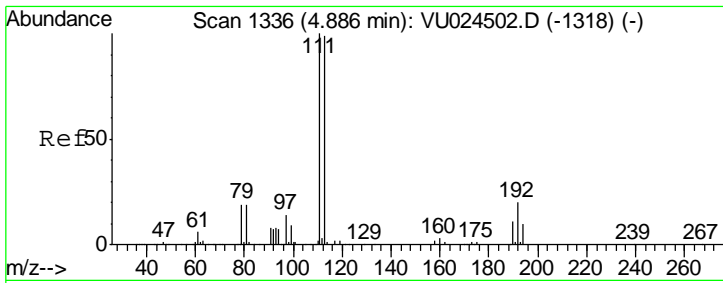
Tgt Ion	Resp	Lower	Upper
65	139618		
67	52.2	0.0	107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024763.D
 Acq: 20 Jun 2018 17:31

Tgt Ion	Resp	Lower	Upper
114	304956		
63	20.3	0.0	45.4
88	15.8	0.0	31.0

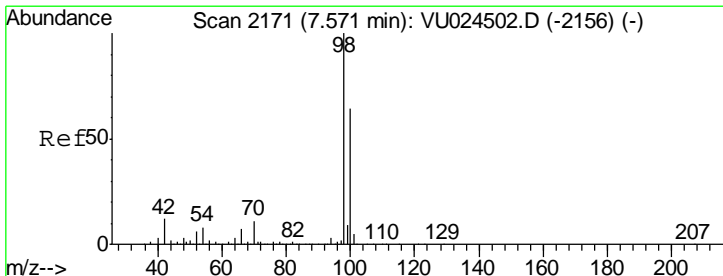
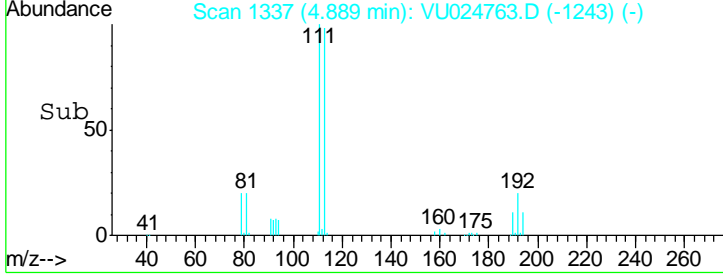
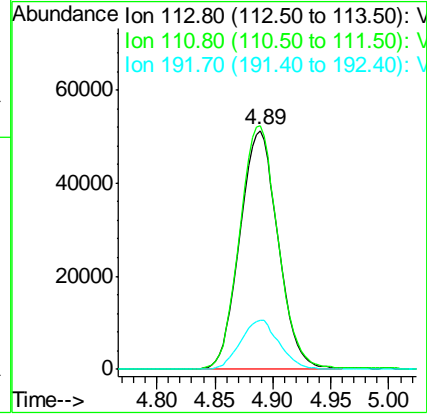
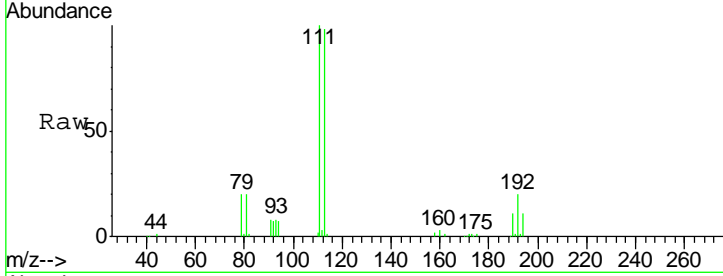




#35
 Dibromofluoromethane
 Concen: 46.42 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024763.D
 Acq: 20 Jun 2018 17:31

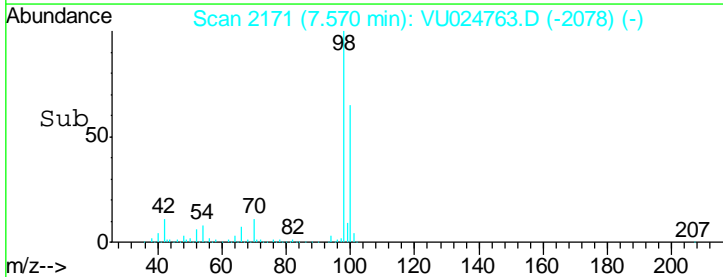
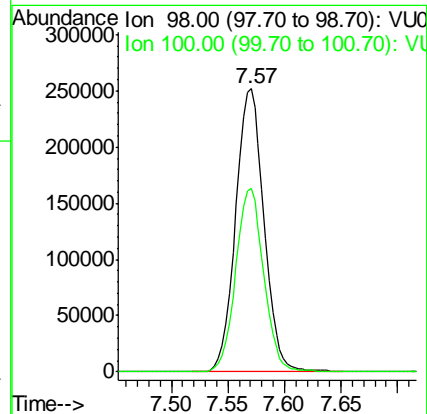
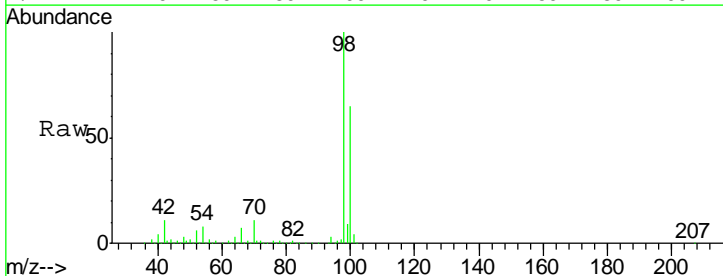
Instrument : MSVOA_U
 ClientSampled : 545-IW-21

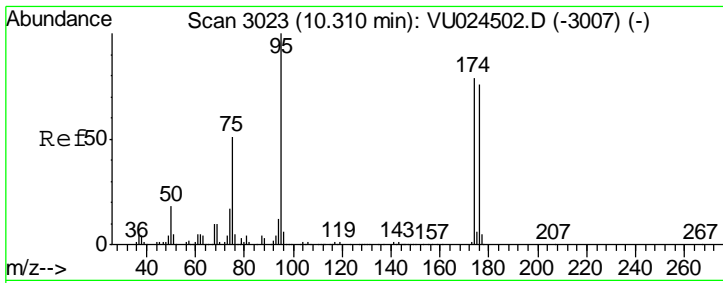
Tgt Ion	Resp	Lower	Upper
113	117472		
111	102.4	82.2	123.4
192	20.9	16.2	24.4



#50
 Toluene-d8
 Concen: 47.72 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU024763.D
 Acq: 20 Jun 2018 17:31

Tgt Ion	Resp	Lower	Upper
98	440535		
100	64.1	51.1	76.7

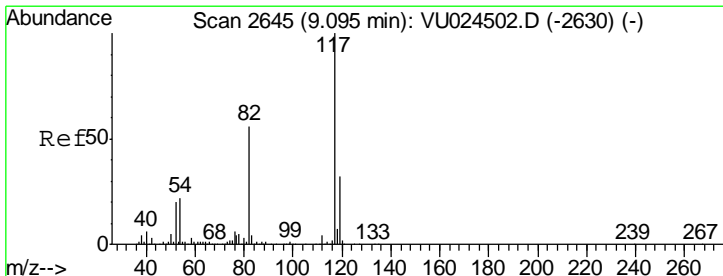
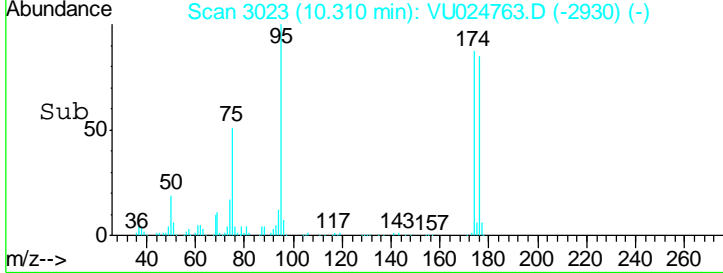
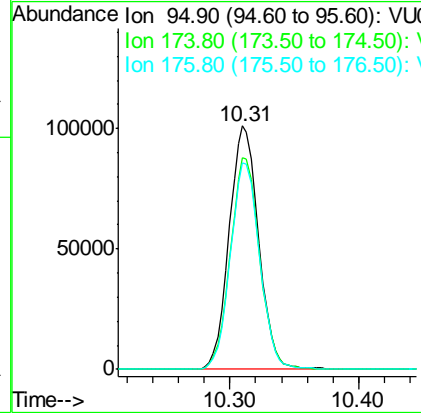
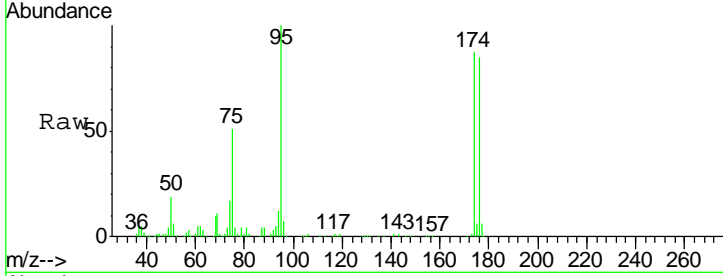




#62
 4-Bromofluorobenzene
 Concen: 43.70 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024763.D
 Acq: 20 Jun 2018 17:31

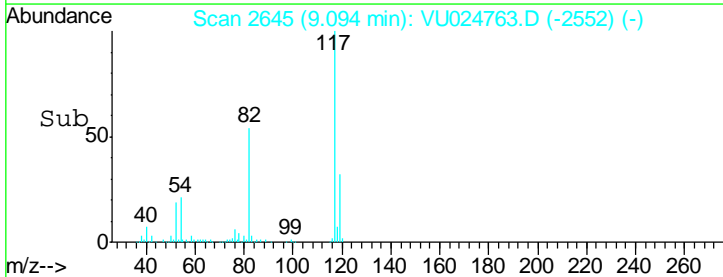
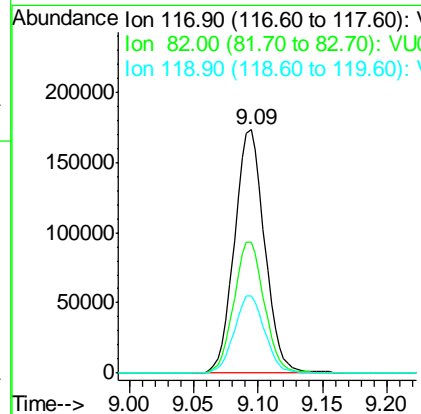
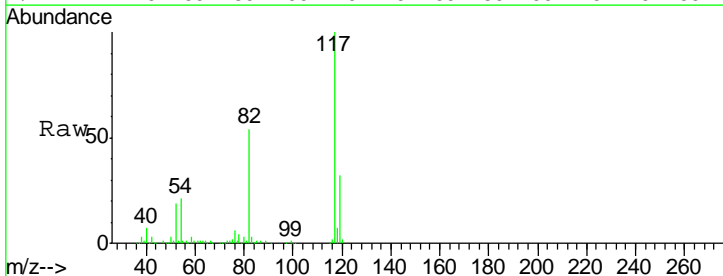
Instrument : MSVOA_U
 Client Sampled : 545-IW-21

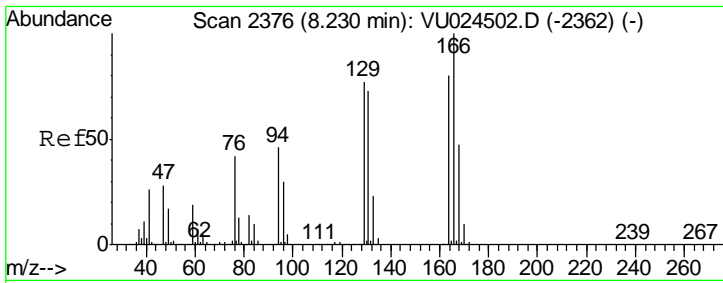
Tgt Ion	Resp	Lower	Upper
95	160181		
174	86.3	0.0	165.8
176	84.2	0.0	159.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VU024763.D
 Acq: 20 Jun 2018 17:31

Tgt Ion	Resp	Lower	Upper
117	281242		
82	53.9	44.3	66.5
119	32.0	25.4	38.2

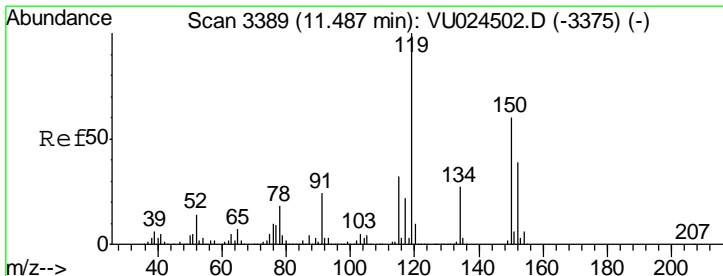
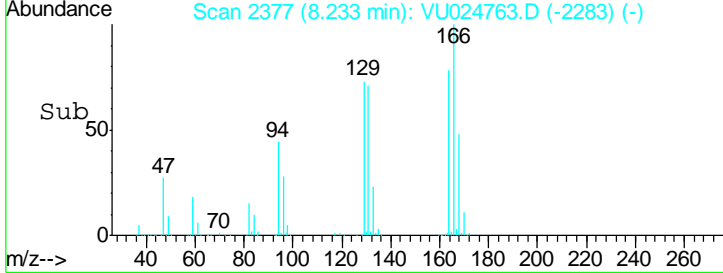
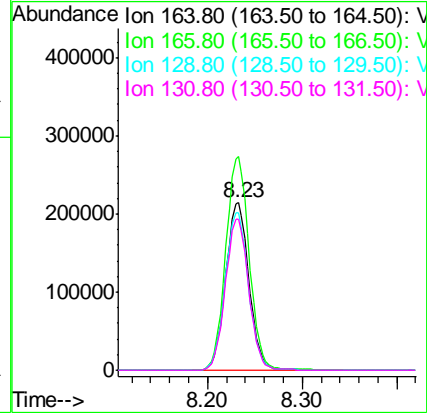
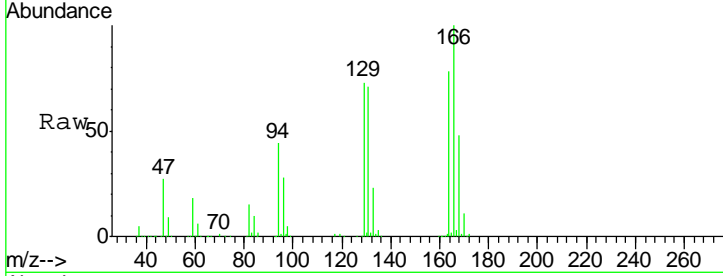




#64
 Tetrachloroethene
 Concen: 136.93 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU024763.D
 Acq: 20 Jun 2018 17:31

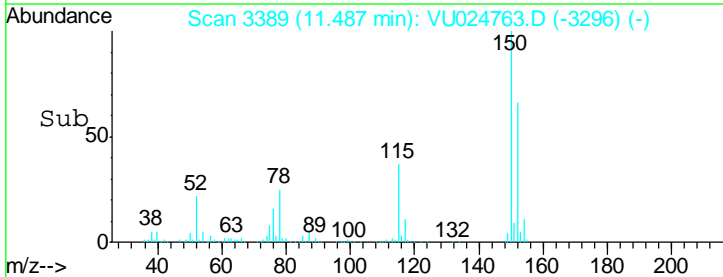
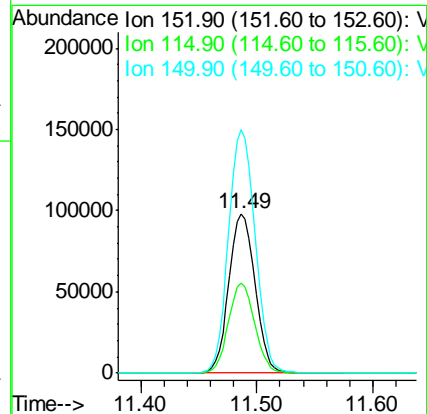
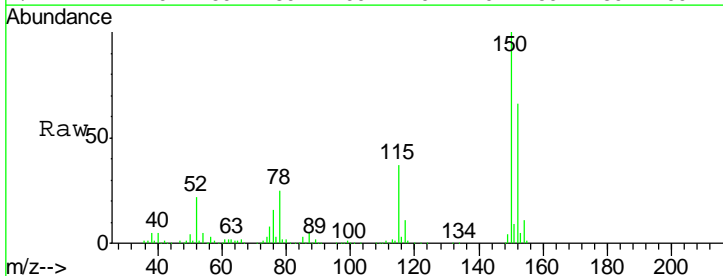
Instrument : MSVOA_U
 ClientSampled : 545-IW-21

Tgt Ion	Resp	Lower	Upper
164	100		
166	127.6	101.7	152.5
129	93.8	76.9	115.3
131	90.4	74.9	112.3



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024763.D
 Acq: 20 Jun 2018 17:31

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.6	43.0	129.0
150	154.8	0.0	354.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024763.D
 Acq On : 20 Jun 2018 17:31
 Operator : MD/SY
 Sample : J3577-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 545-IW-21

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.088	136	155	175	rBV	893058	1073154	38.00%	11.034%
2	2.320	527	538	558	rVB	42769	72241	2.56%	0.743%
3	2.436	565	574	593	rVB	17513	31458	1.11%	0.323%
4	4.889	1318	1337	1353	rBV	172415	391323	13.86%	4.024%
5	4.988	1353	1368	1387	rVB	240362	536184	18.98%	5.513%
6	5.313	1454	1469	1490	rBV	179960	384388	13.61%	3.952%
7	5.889	1632	1648	1673	rBV	353974	696752	24.67%	7.164%
8	7.570	2154	2171	2189	rBV	653968	1149640	40.71%	11.821%
9	8.229	2363	2376	2412	rBV	1636558	2824296	100.00%	29.040%
10	9.094	2631	2645	2664	rBV	515558	843860	29.88%	8.677%
11	10.310	3012	3023	3046	rBV	507999	801064	28.36%	8.237%
12	11.487	3377	3389	3411	rBV	586546	921234	32.62%	9.472%

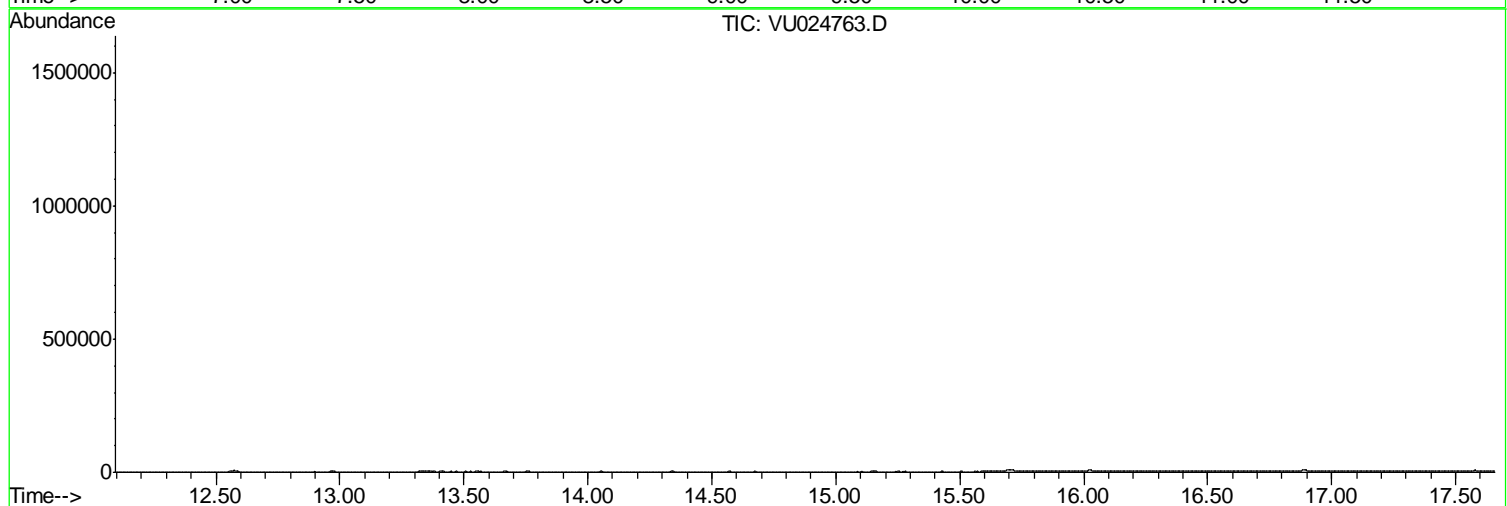
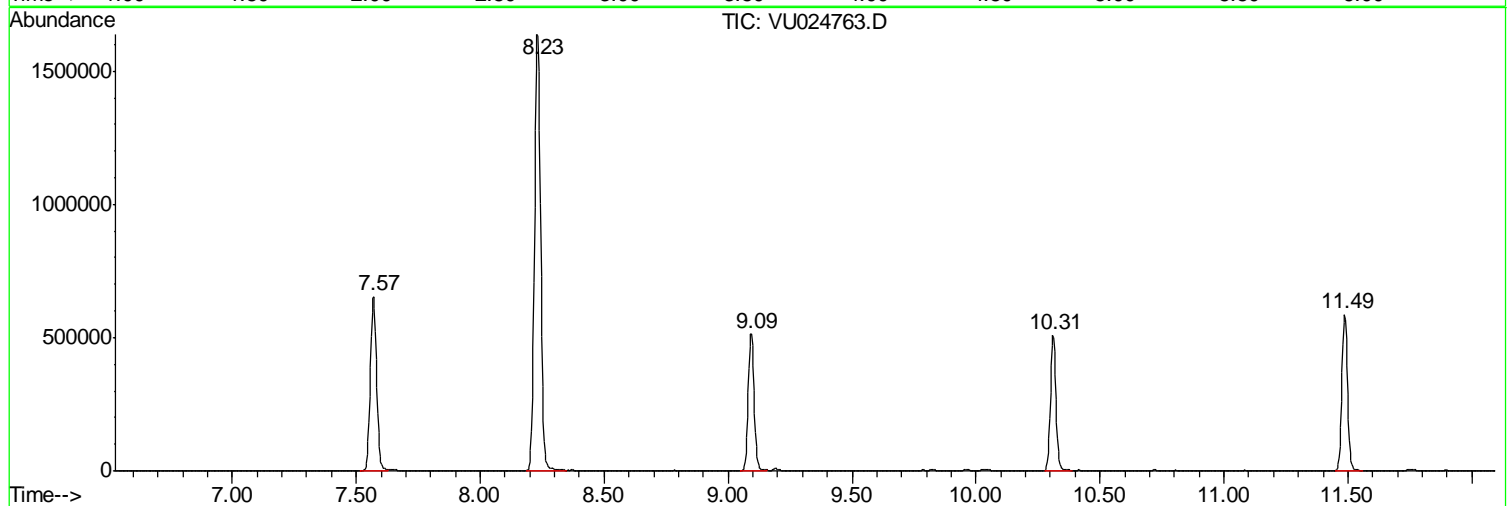
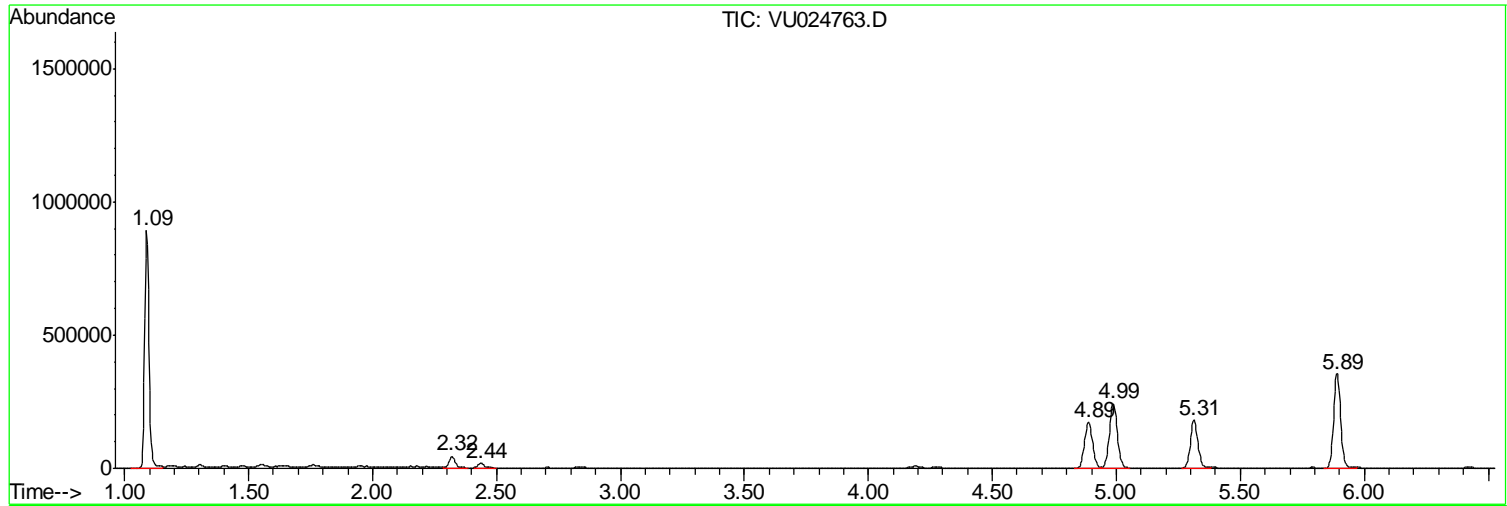
Sum of corrected areas: 9725594

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024763.D
Acq On : 20 Jun 2018 17:31
Operator : MD/SY
Sample : J3577-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
545-IW-21

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
Data File : VU024763.D
Acq On : 20 Jun 2018 17:31
Operator : MD/SY
Sample : J3577-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
545-IW-21

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024763.D
 Acq On : 20 Jun 2018 17:31
 Operator : MD/SY
 Sample : J3577-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 545-IW-21

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	546-IW-22	SDG No.:	J3577
Lab Sample ID:	J3577-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024758.D	1		06/20/18 15:23	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5.4		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	546-IW-22	SDG No.:	J3577
Lab Sample ID:	J3577-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024758.D	1		06/20/18 15:23	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	38.7		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.1		61 - 141		86%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		69 - 133		94%	SPK: 50
2037-26-5	Toluene-d8	47.6		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.3		58 - 135		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	197951	4.99				
540-36-3	1,4-Difluorobenzene	310745	5.89				
3114-55-4	Chlorobenzene-d5	287474	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	155560	11.49				
TENTATIVE IDENTIFIED COMPOUNDS							
1000309-12-0	Sulfurous acid, nonyl 2-propyl est	19	J			15.69	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	546-IW-22	SDG No.:	J3577
Lab Sample ID:	J3577-07	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024758.D	1		06/20/18 15:23	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024758.D
 Acq On : 20 Jun 2018 15:23
 Operator : MD/SY
 Sample : J3577-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 546-IW-22

Quant Time: Jun 20 16:50:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	197951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	310745	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	287474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	139322	43.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.22%	
35) Dibromofluoromethane	4.89	113	120739	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
50) Toluene-d8	7.57	98	447396	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
62) 4-Bromofluorobenzene	10.31	95	161518	43.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.50%	

Target Compounds

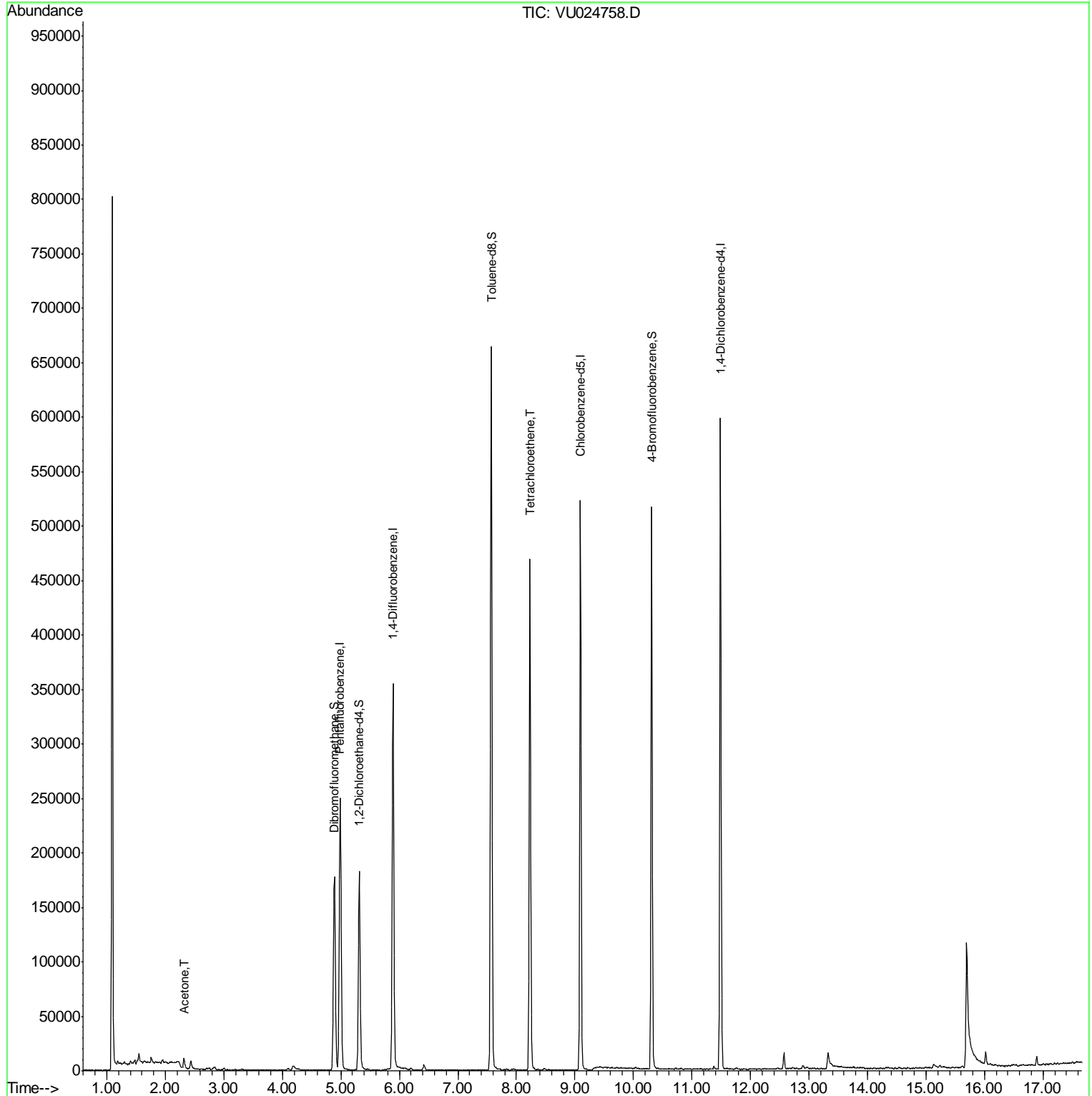
						Qvalue
16) Acetone	2.32	43	9416	5.42	ug/l	92
64) Tetrachloroethene	8.23	164	105725	38.69	ug/l	98

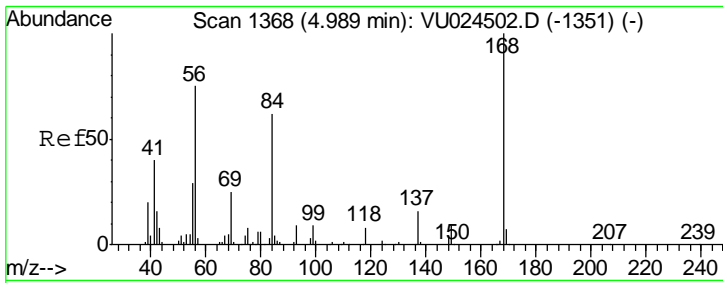
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024758.D
Acq On : 20 Jun 2018 15:23
Operator : MD/SY
Sample : J3577-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
546-IW-22

Quant Time: Jun 20 16:50:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

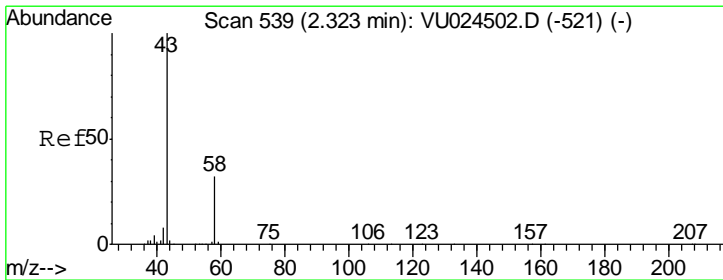
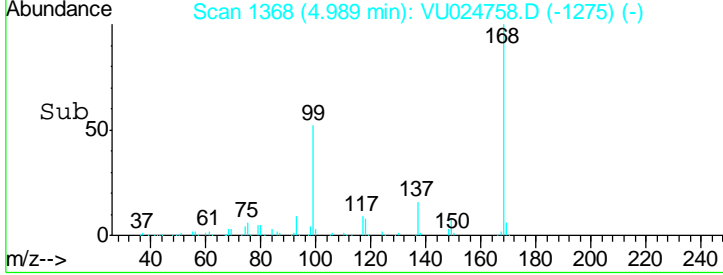
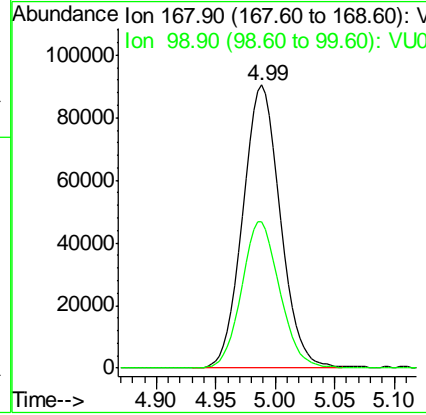
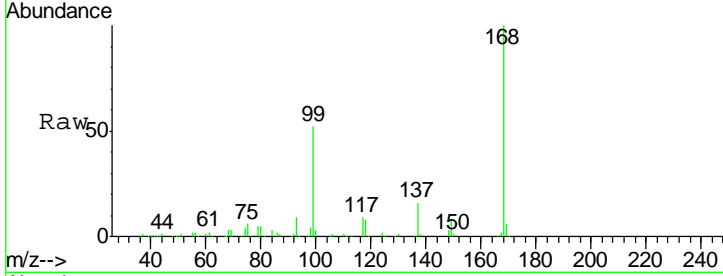




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VU024758.D
 Acq: 20 Jun 2018 15:23

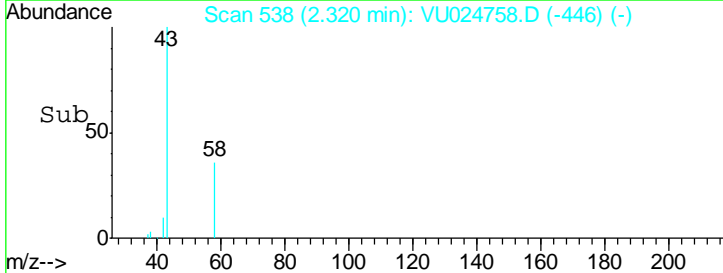
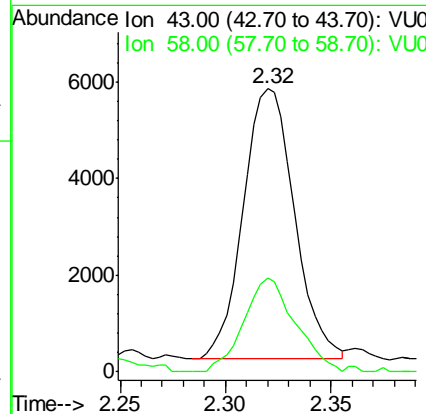
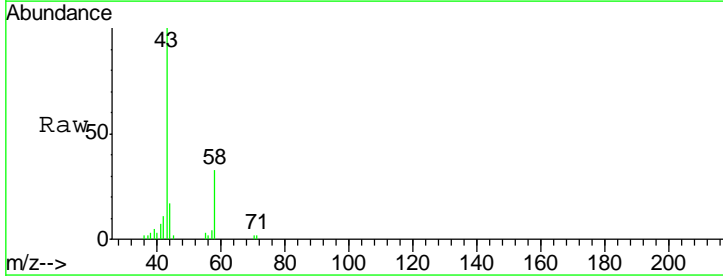
Instrument : MSVOA_U
 ClientSampled : 546-IW-22

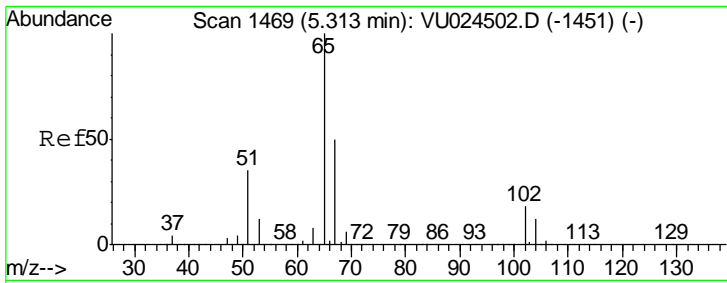
Tgt Ion	Resp	Lower	Upper
168	197951		
99	51.5	43.2	64.8



#16
 Acetone
 Concen: 5.42 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024758.D
 Acq: 20 Jun 2018 15:23

Tgt Ion	Resp	Lower	Upper
43	9416		
58	35.0	24.4	36.6

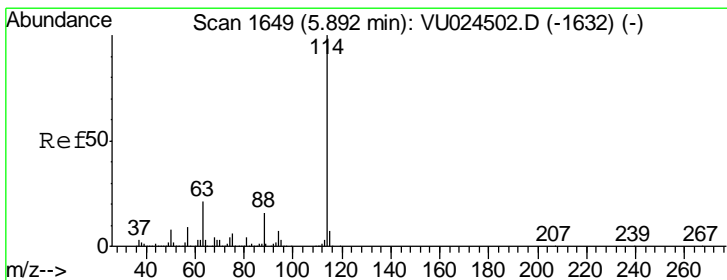
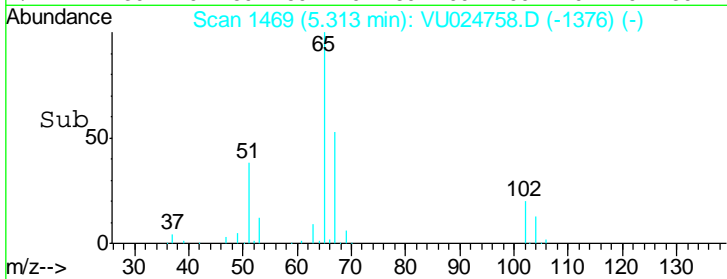
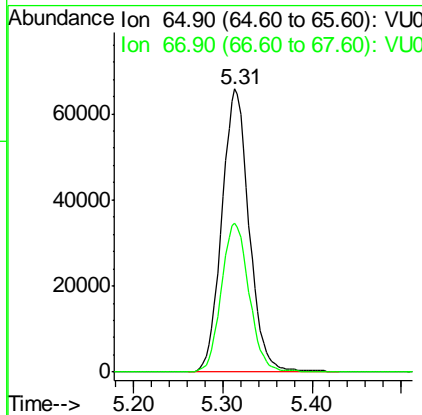
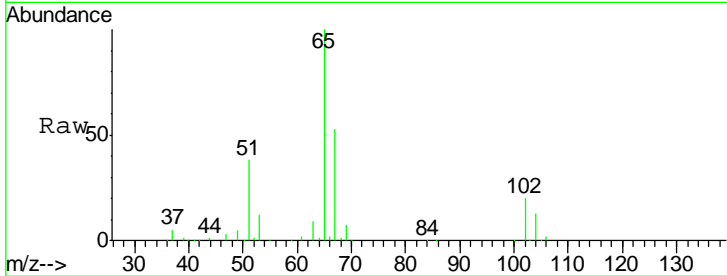




#33
 1,2-Dichloroethane-d4
 Concen: 43.11 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024758.D
 Acq: 20 Jun 2018 15:23

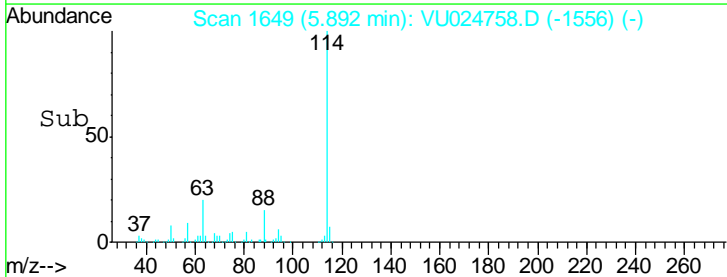
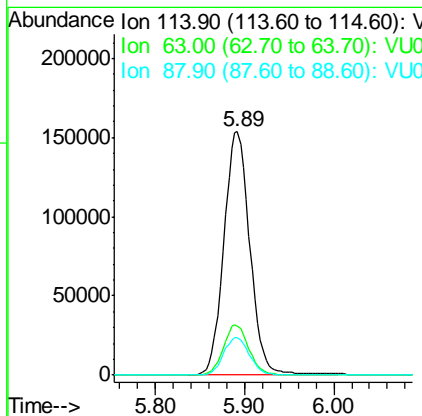
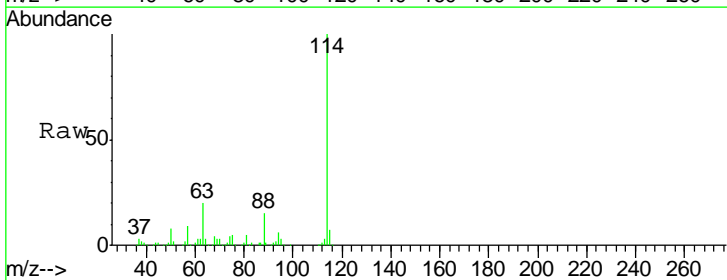
Instrument : MSVOA_U
 ClientSampled : 546-IW-22

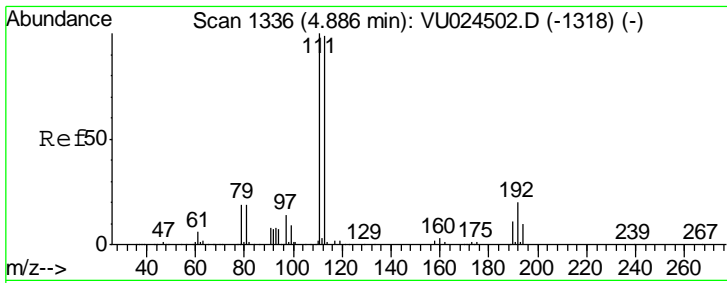
Tgt Ion	Resp	Lower	Upper
65	139322		
67	53.6	0.0	107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024758.D
 Acq: 20 Jun 2018 15:23

Tgt Ion	Resp	Lower	Upper
114	310745		
63	20.3	0.0	45.4
88	15.4	0.0	31.0

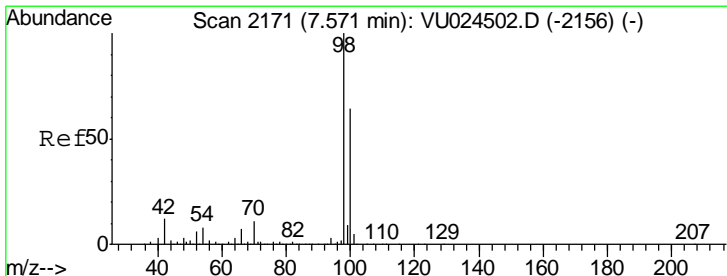
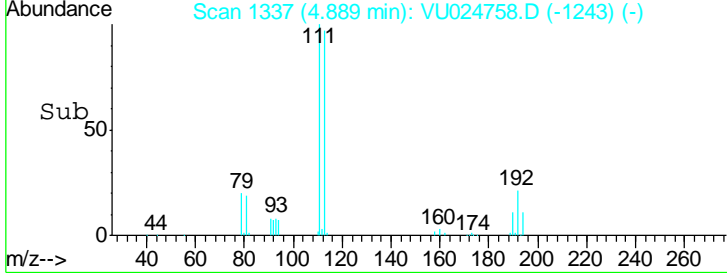
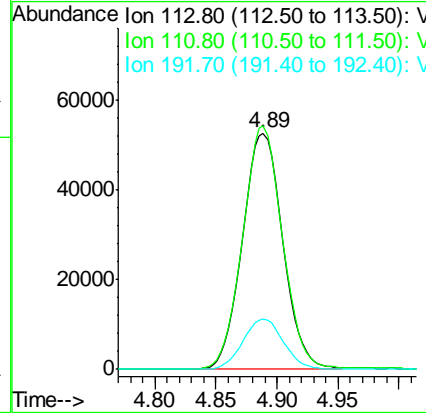
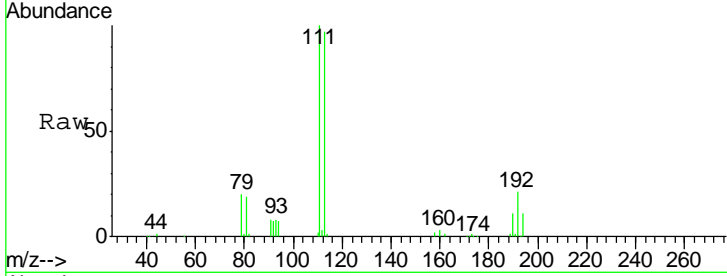




#35
 Dibromofluoromethane
 Concen: 46.82 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024758.D
 Acq: 20 Jun 2018 15:23

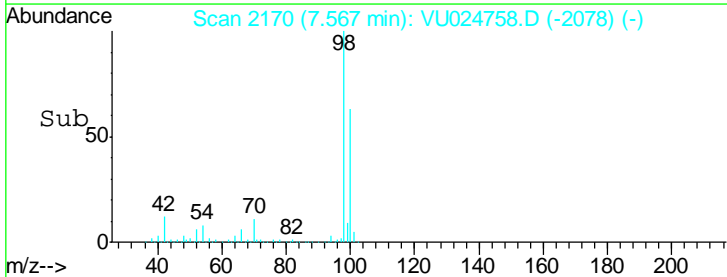
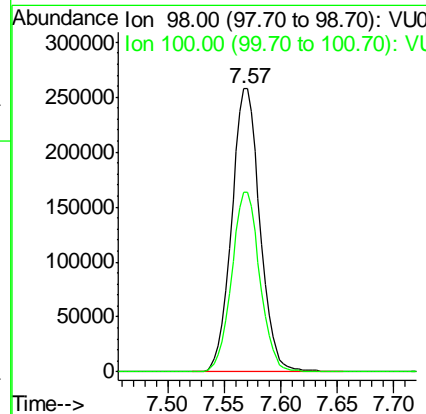
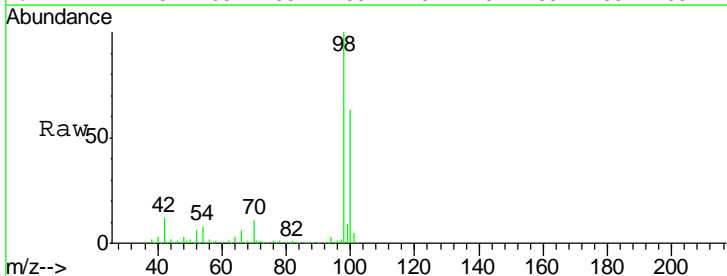
Instrument : MSVOA_U
 ClientSampled : 546-IW-22

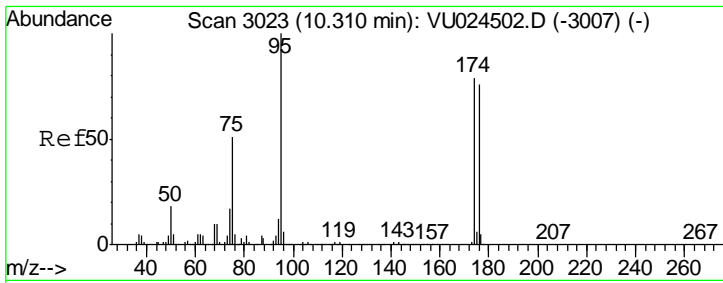
Tgt Ion	Resp	Lower	Upper
113	120739		
111	101.3	82.2	123.4
192	21.3	16.2	24.4



#50
 Toluene-d8
 Concen: 47.56 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024758.D
 Acq: 20 Jun 2018 15:23

Tgt Ion	Resp	Lower	Upper
98	447396		
100	63.3	51.1	76.7

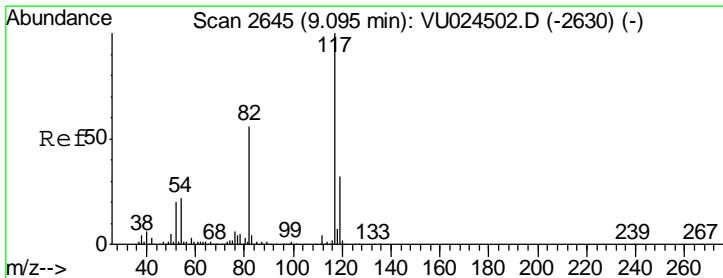
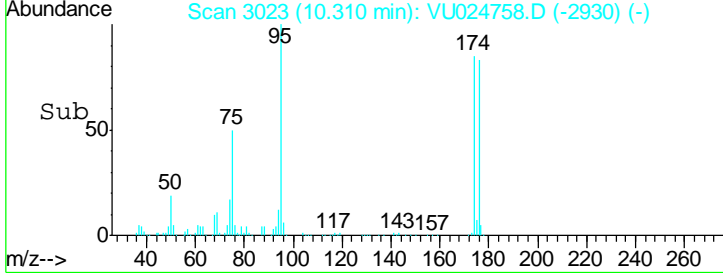
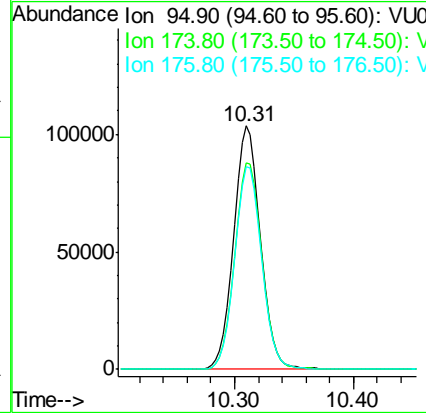
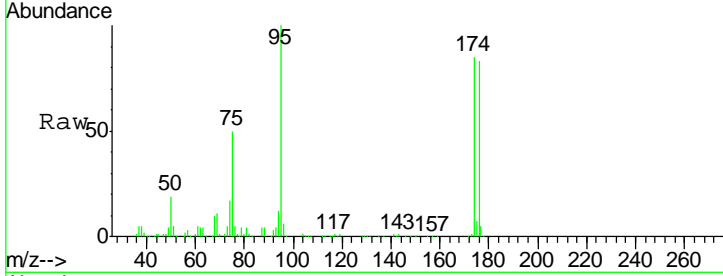




#62
 4-Bromofluorobenzene
 Concen: 43.25 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024758.D
 Acq: 20 Jun 2018 15:23

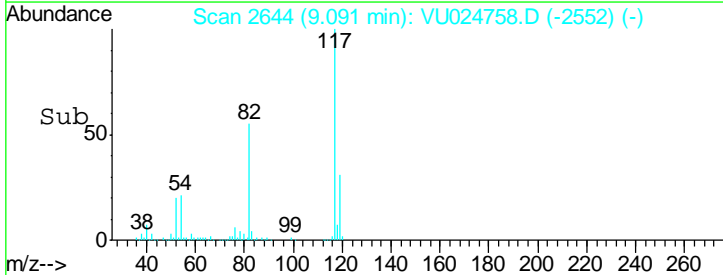
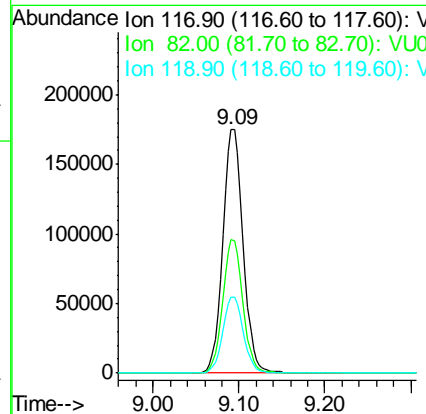
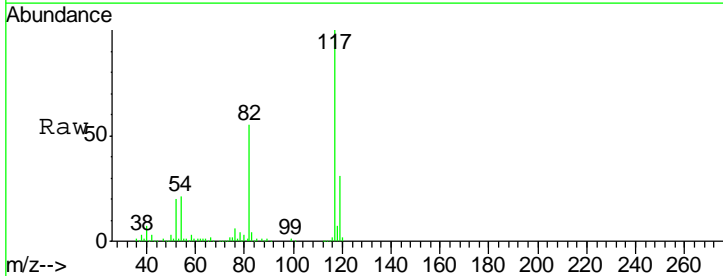
Instrument : MSVOA_U
 ClientSampled : 546-IW-22

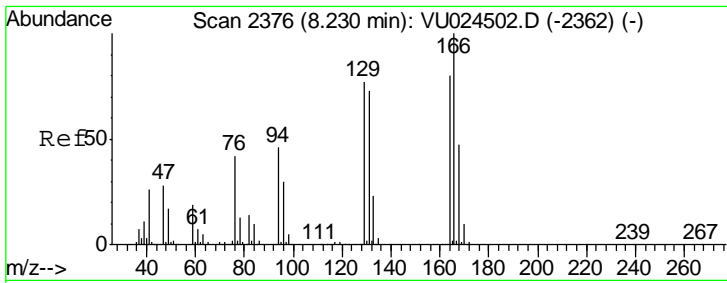
Tgt Ion	Resp	Lower	Upper
95	161518		
174	86.3	0.0	165.8
176	84.0	0.0	159.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VU024758.D
 Acq: 20 Jun 2018 15:23

Tgt Ion	Resp	Lower	Upper
117	287474		
82	54.7	44.3	66.5
119	31.3	25.4	38.2

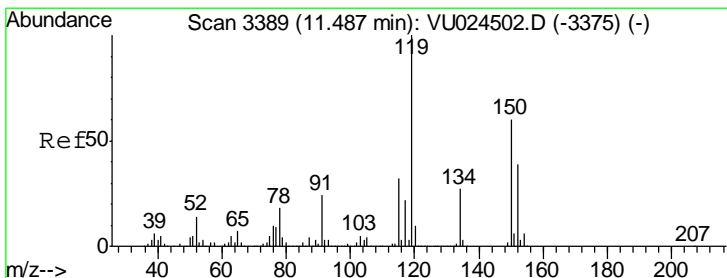
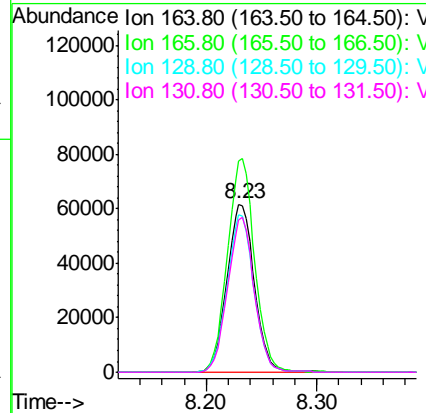
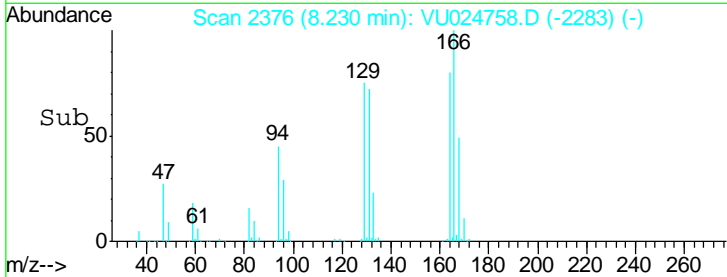
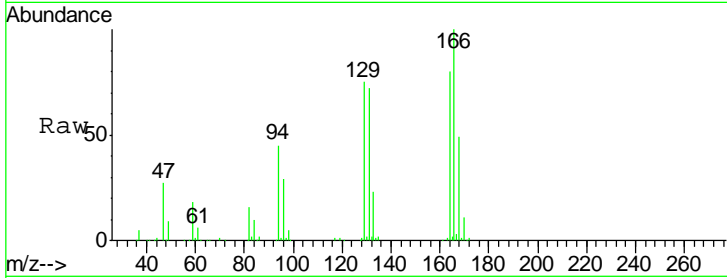




#64
 Tetrachloroethene
 Concen: 38.69 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU024758.D
 Acq: 20 Jun 2018 15:23

Instrument : MSVOA_U
 ClientSampleId : 546-IW-22

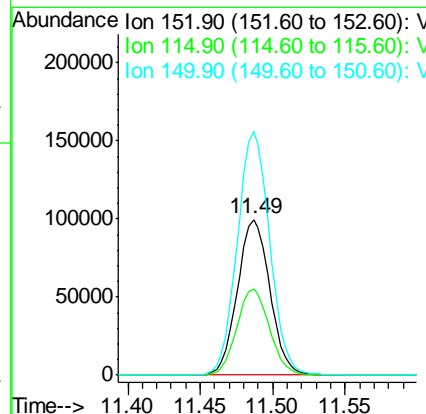
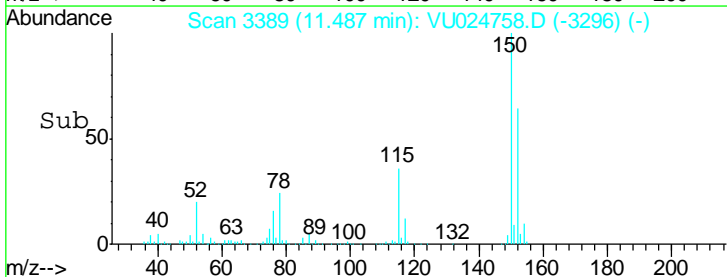
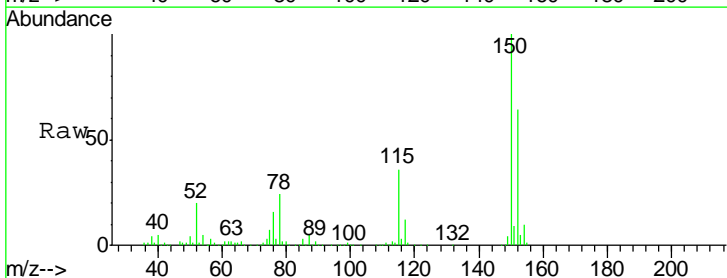
Tgt Ion	Resp	Lower	Upper
164	100		
166	125.6	101.7	152.5
129	93.8	76.9	115.3
131	90.3	74.9	112.3



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024758.D
 Acq: 20 Jun 2018 15:23

Instrument : MSVOA_U
 ClientSampleId : 546-IW-22

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.3	43.0	129.0
150	156.0	0.0	354.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024758.D
 Acq On : 20 Jun 2018 15:23
 Operator : MD/SY
 Sample : J3577-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 546-IW-22

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.088	143	155	175	rBV	801970	958768	82.13%	11.893%
2	1.551	285	299	305	rBV9	9619	17596	1.51%	0.218%
3	2.320	530	538	548	rVB	9303	15716	1.35%	0.195%
4	2.436	565	574	588	rVB	6927	11684	1.00%	0.145%
5	4.889	1320	1337	1353	rBV	177443	402794	34.51%	4.996%
6	4.989	1353	1368	1392	rVB	248794	550609	47.17%	6.830%
7	5.313	1454	1469	1486	rBV	182347	383688	32.87%	4.759%
8	5.889	1632	1648	1671	rBV	353770	708425	60.69%	8.788%
9	7.570	2150	2171	2192	rBV	664764	1167342	100.00%	14.480%
10	8.230	2363	2376	2409	rVB	469162	801036	68.62%	9.936%
11	9.091	2631	2644	2669	rBV	522816	857389	73.45%	10.635%
12	10.310	3010	3023	3046	rBV	516863	810197	69.41%	10.050%
13	11.487	3376	3389	3407	rBV	597758	933758	79.99%	11.583%
14	12.570	3715	3726	3736	rBV4	15170	23473	2.01%	0.291%
15	13.326	3950	3961	3990	rBV4	14917	47543	4.07%	0.590%
16	15.692	4683	4697	4737	rBV2	114843	355228	30.43%	4.406%
17	16.020	4793	4799	4810	rVB6	11514	16403	1.41%	0.203%

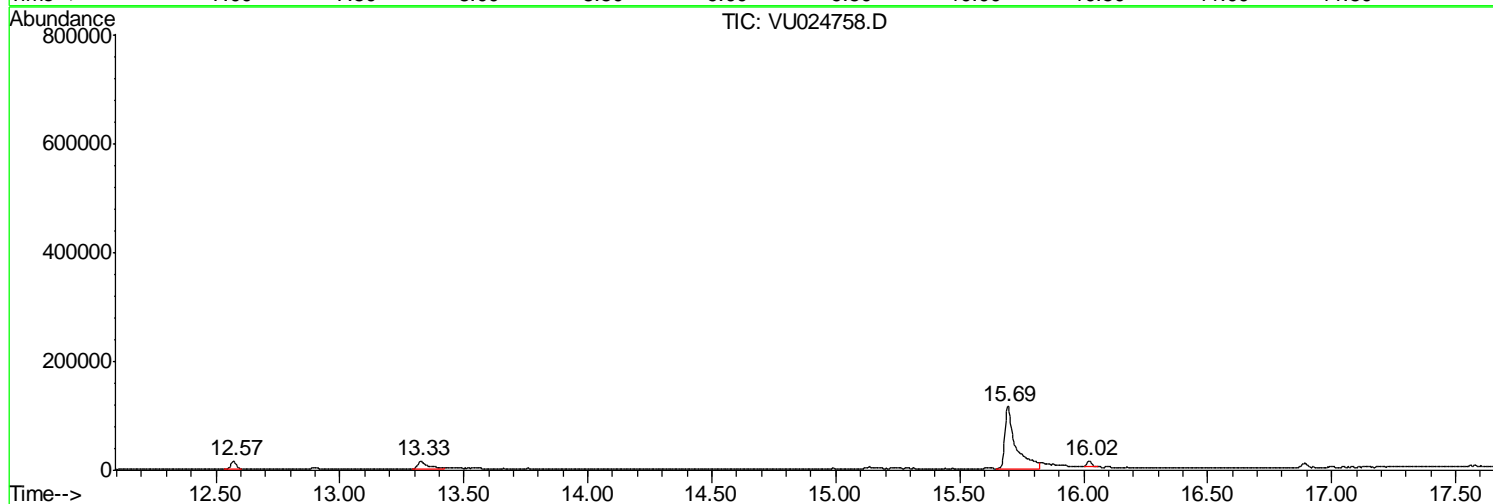
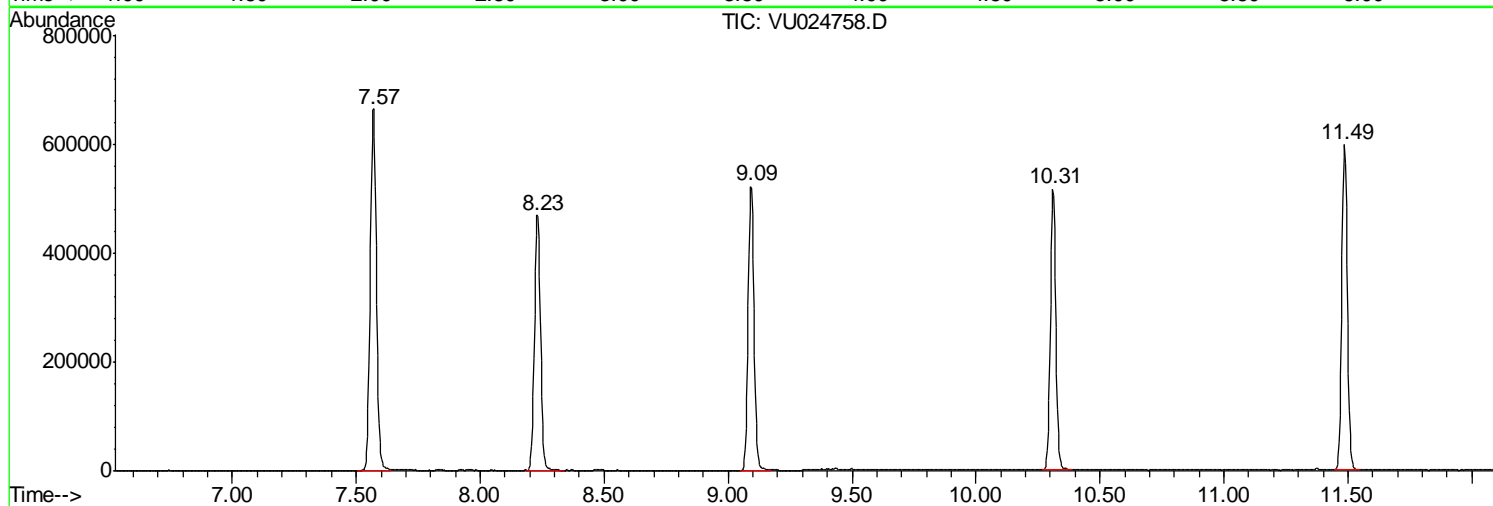
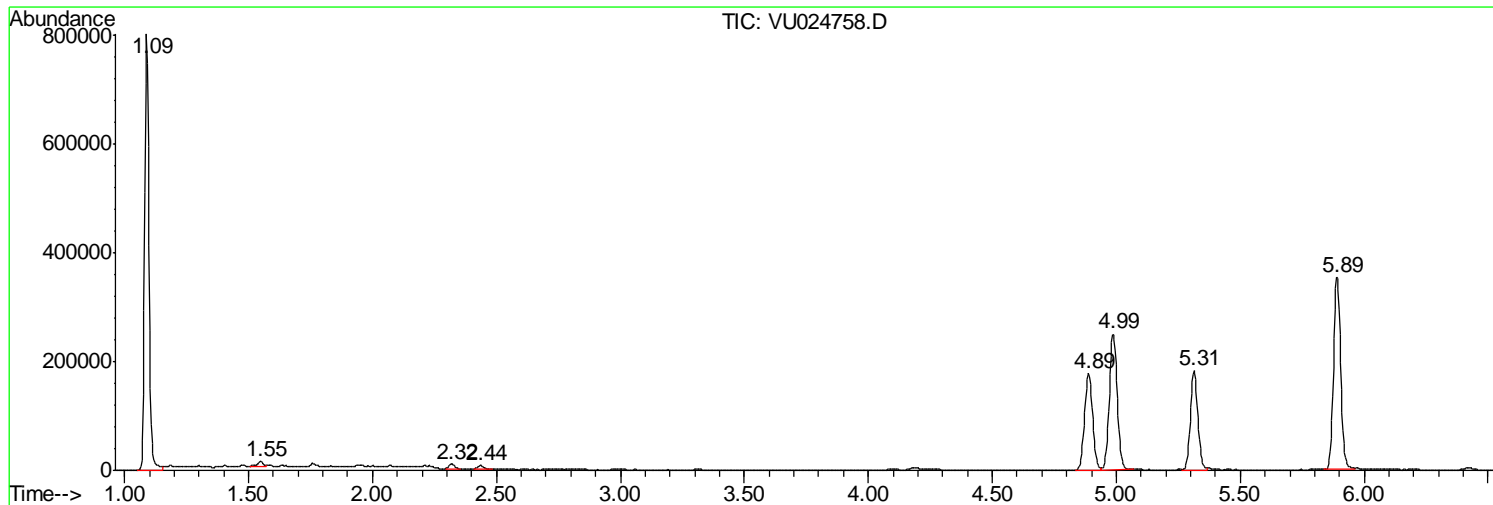
Sum of corrected areas: 8061649

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024758.D
Acq On : 20 Jun 2018 15:23
Operator : MD/SY
Sample : J3577-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
546-IW-22

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024758.D
 Acq On : 20 Jun 2018 15:23
 Operator : MD/SY
 Sample : J3577-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 546-IW-22

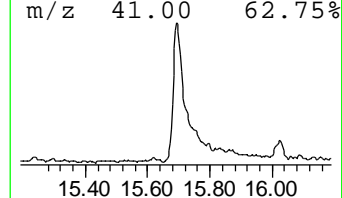
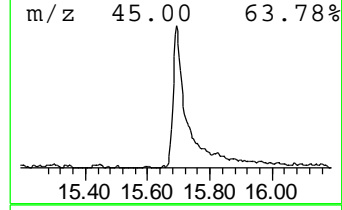
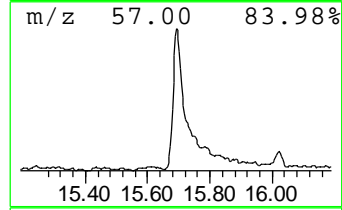
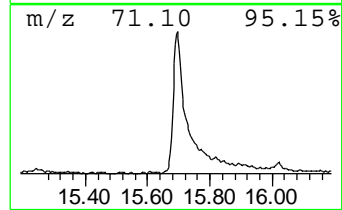
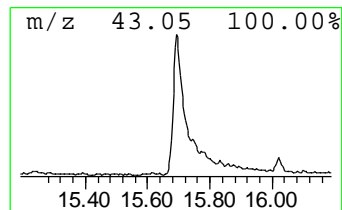
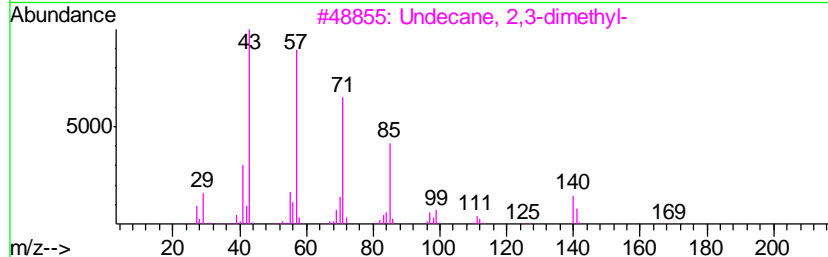
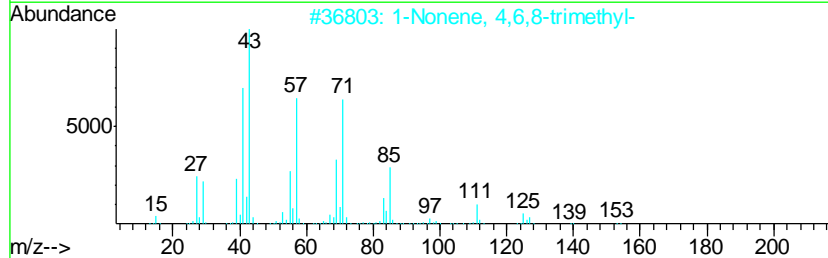
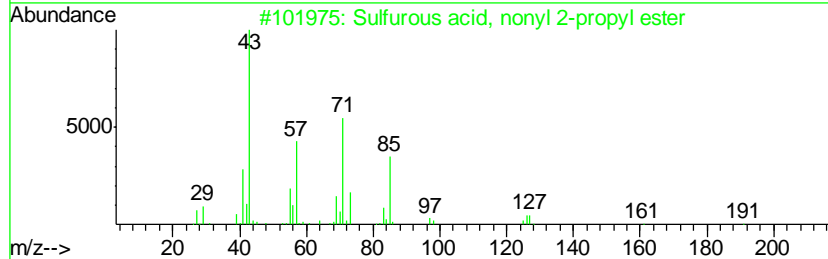
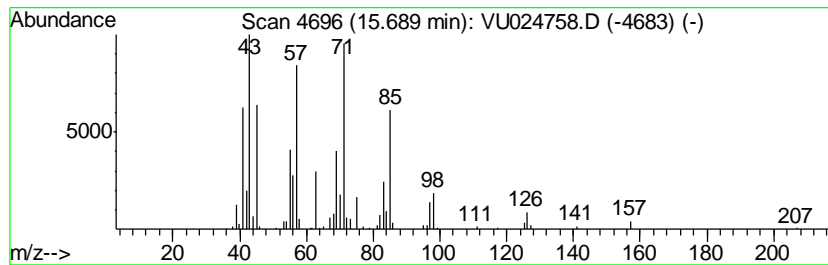
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Sulfurous acid, nonyl 2-pro... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	19.02 ug/l	355228	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	50
2		1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	47
3		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	47
4		Dodecane, 4-methyl-	184	C13H28	006117-97-1	43
5		Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	43



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024758.D
 Acq On : 20 Jun 2018 15:23
 Operator : MD/SY
 Sample : J3577-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 546-IW-22

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Sulfurous acid, n...	15.69	19.0	ug/l	355228	4	11.49	933758	50.0



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	547-TB061318	SDG No.:	J3577
Lab Sample ID:	J3577-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024755.D	1		06/20/18 14:11	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	547-TB061318	SDG No.:	J3577
Lab Sample ID:	J3577-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024755.D	1		06/20/18 14:11	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.3		61 - 141		89%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	47.7		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.1		58 - 135		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	197358	4.99				
540-36-3	1,4-Difluorobenzene	304620	5.89				
3114-55-4	Chlorobenzene-d5	281512	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	155345	11.49				
TENTATIVE IDENTIFIED COMPOUNDS							
000143-08-8	1-Nonanol	52.5	J			13.32	ug/L
	unknown15.13	11.6	J			15.13	ug/L
	unknown15.69	56.5	J			15.69	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/13/18
Project:	Andrew St. RI	Date Received:	06/18/18
Client Sample ID:	547-TB061318	SDG No.:	J3577
Lab Sample ID:	J3577-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024755.D	1		06/20/18 14:11	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024755.D
 Acq On : 20 Jun 2018 14:11
 Operator : MD/SY
 Sample : J3577-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 547-TB061318

Quant Time: Jun 20 15:48:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	197358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304620	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155345	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	142660	44.28	ug/l	0.00
Spiked Amount						
			Recovery	=		88.56%
35) Dibromofluoromethane	4.89	113	119783	47.38	ug/l	0.00
Spiked Amount						
			Recovery	=		94.76%
50) Toluene-d8	7.57	98	440109	47.73	ug/l	0.00
Spiked Amount						
			Recovery	=		95.46%
62) 4-Bromofluorobenzene	10.31	95	161489	44.11	ug/l	0.00
Spiked Amount						
			Recovery	=		88.22%

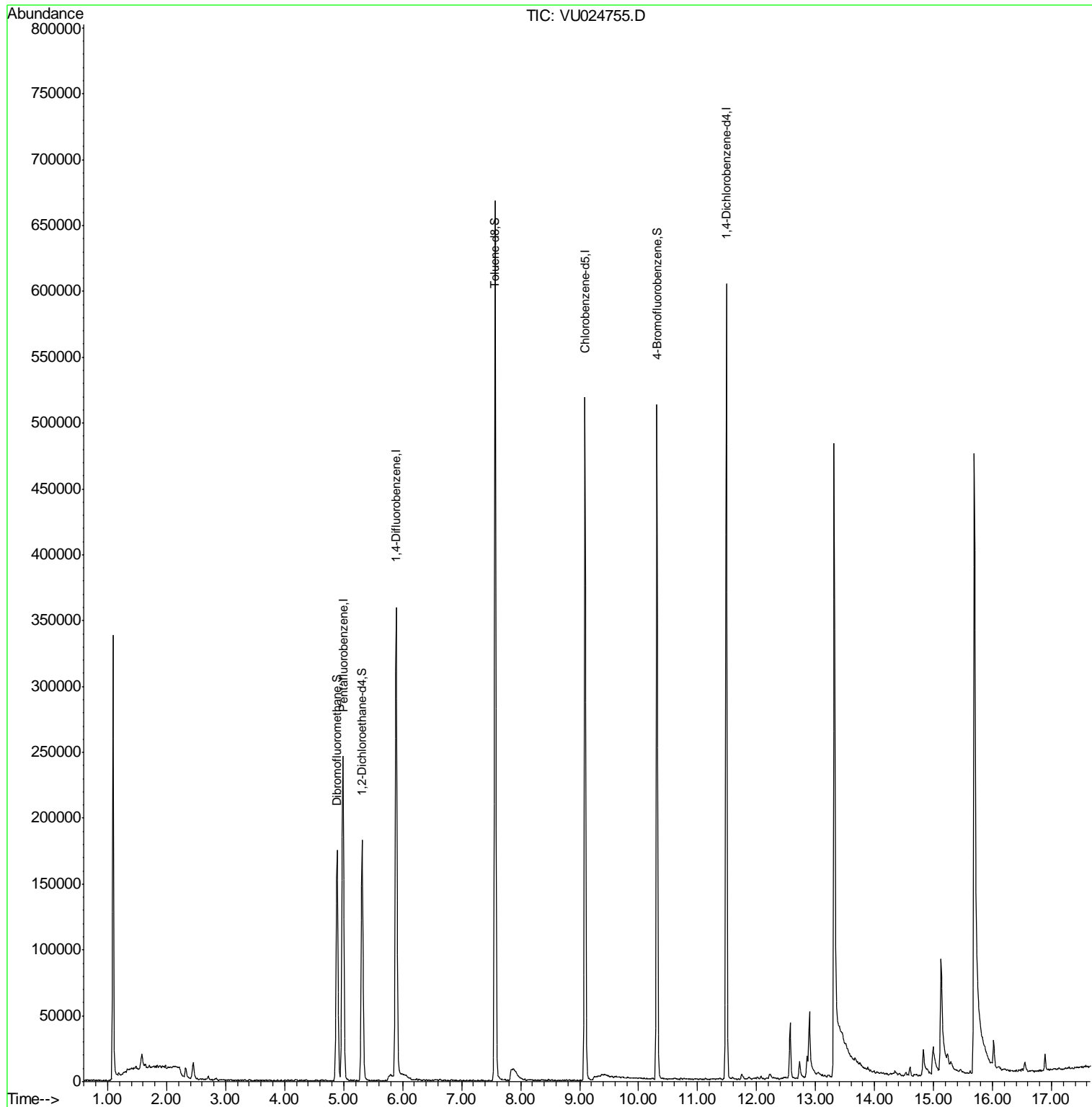
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

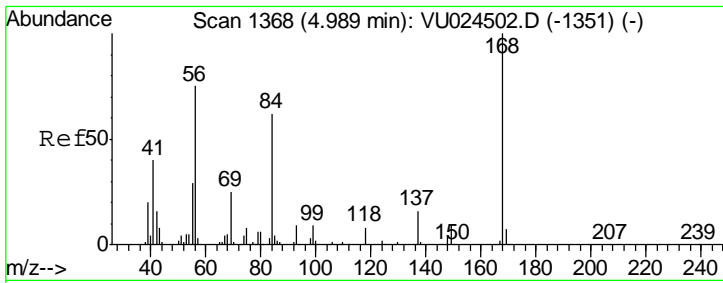
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 Data File : VU024755.D
 Acq On : 20 Jun 2018 14:11
 Operator : MD/SY
 Sample : J3577-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 547-TB061318

Quant Time: Jun 20 15:48:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration



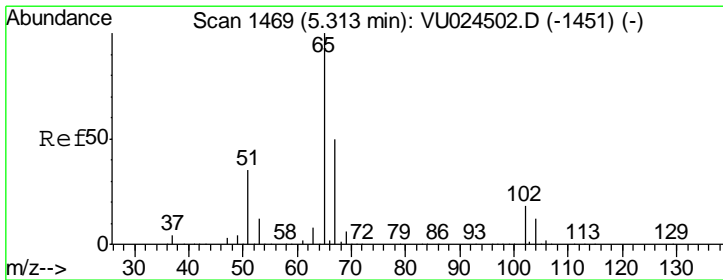
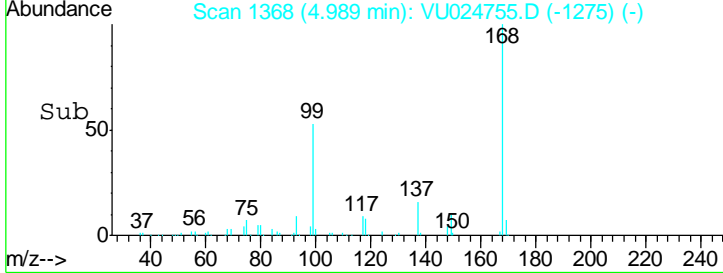
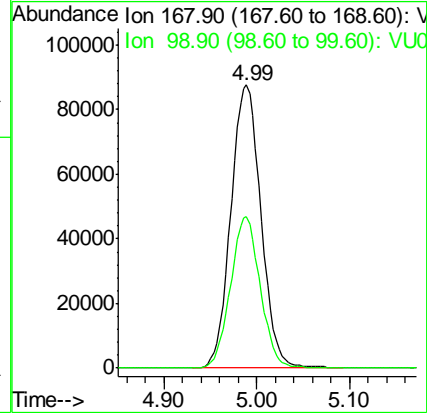
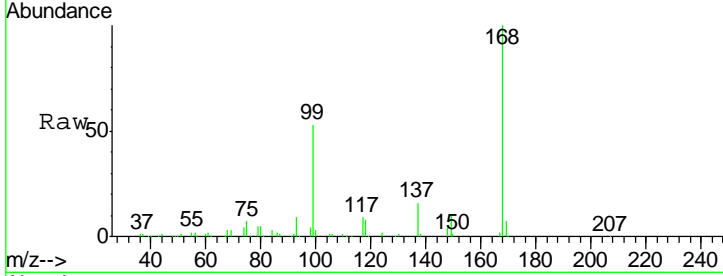
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU024755.D
 Acq: 20 Jun 2018 14:11

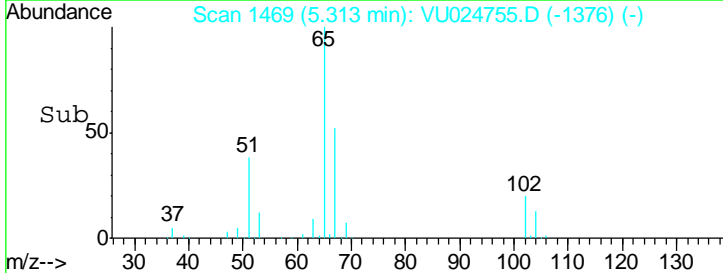
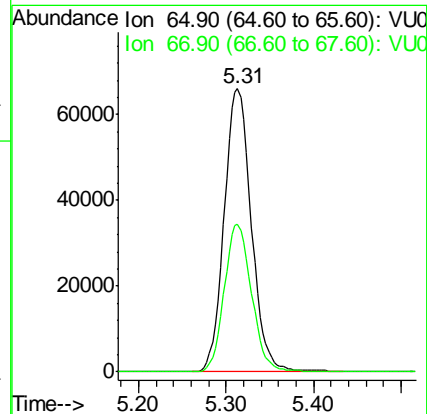
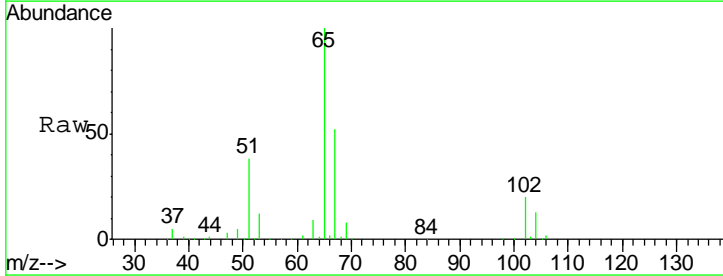
Instrument : MSVOA_U
 ClientSampleId : 547-TB061318

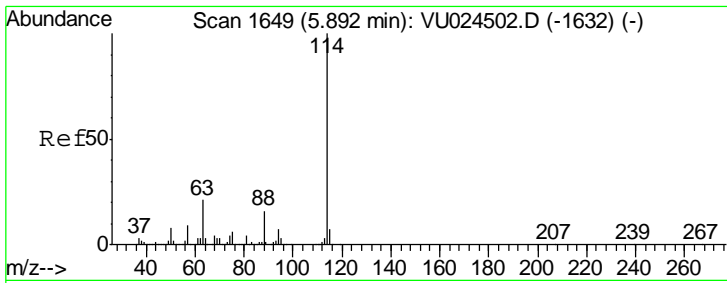
Tgt Ion	Resp	Lower	Upper
168	197358		
99	53.4	43.2	64.8



#33
 1,2-Dichloroethane-d4
 Concen: 44.28 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024755.D
 Acq: 20 Jun 2018 14:11

Tgt Ion	Resp	Lower	Upper
65	142660		
67	52.2	0.0	107.0

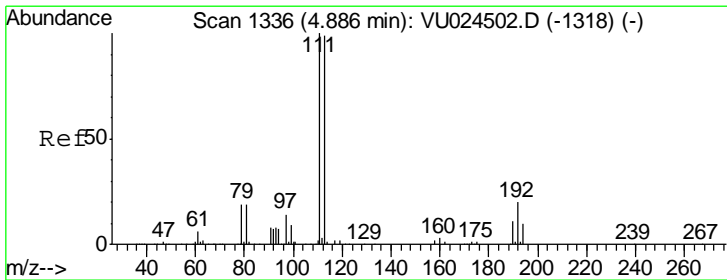
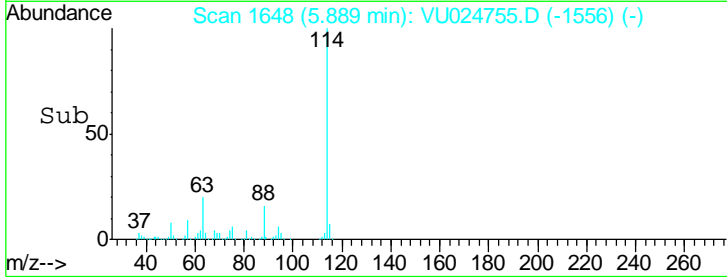
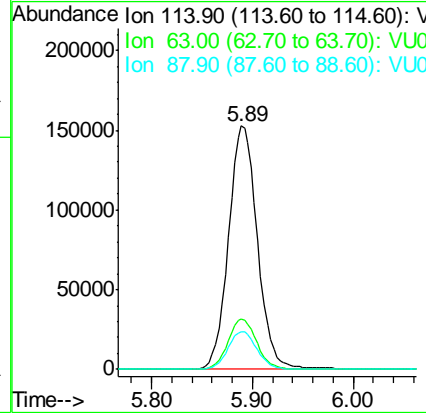
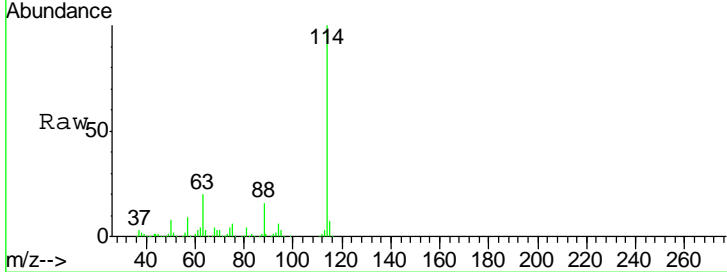




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024755.D
 Acq: 20 Jun 2018 14:11

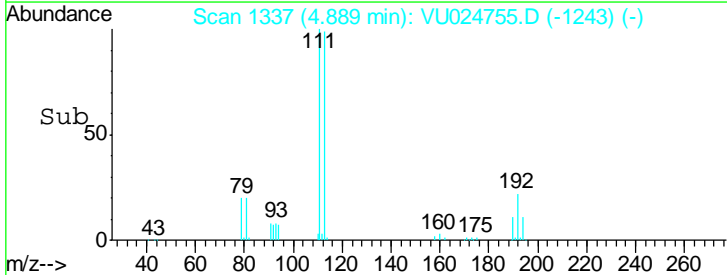
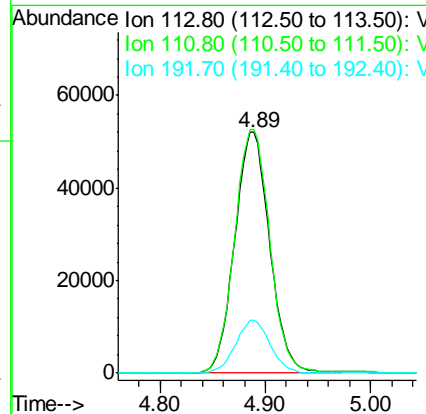
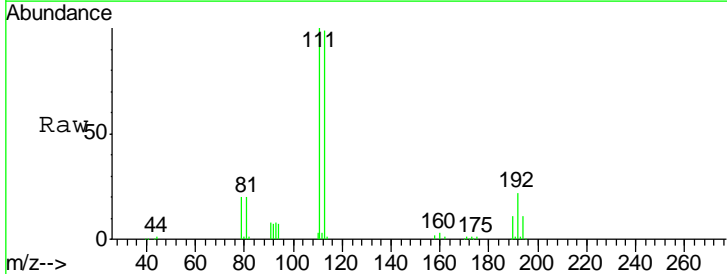
Instrument :
 MSVOA_U
 ClientSampleId :
 547-TB061318

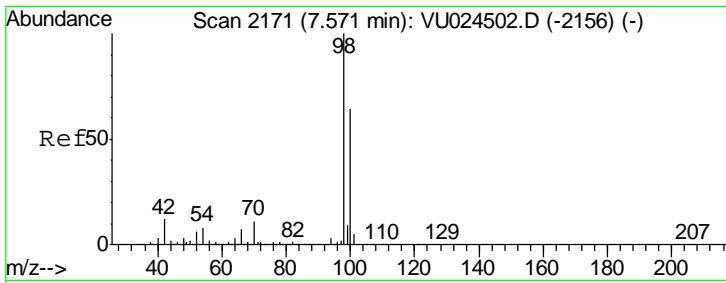
Tgt Ion	Resp	Lower	Upper
114	304620		
63	20.5	0.0	45.4
88	15.6	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 47.38 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024755.D
 Acq: 20 Jun 2018 14:11

Tgt Ion	Resp	Lower	Upper
113	119783		
111	101.8	82.2	123.4
192	21.6	16.2	24.4

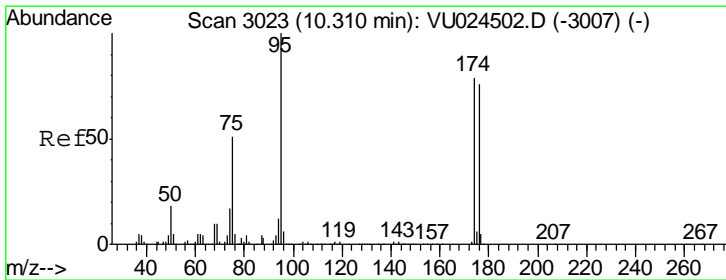
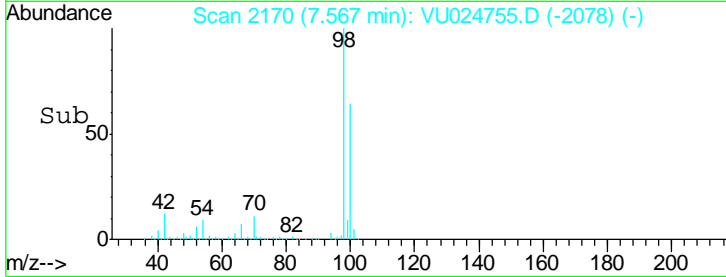
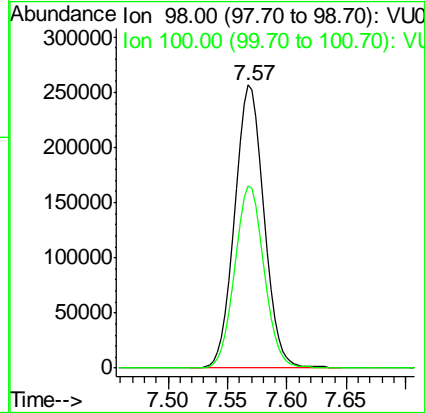
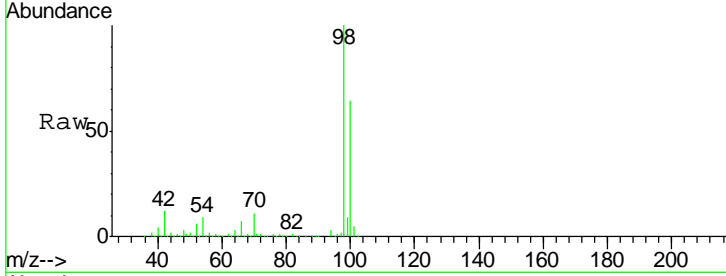




#50
 Toluene-d8
 Concen: 47.73 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024755.D
 Acq: 20 Jun 2018 14:11

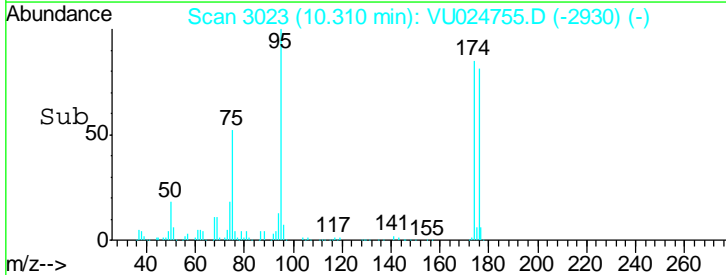
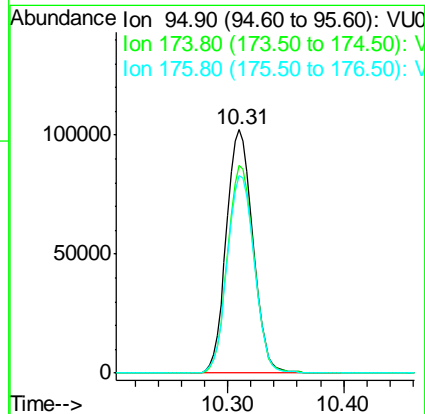
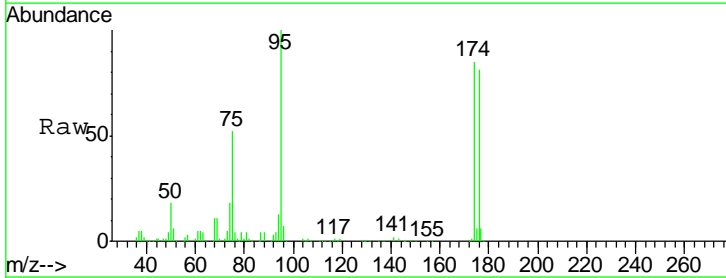
Instrument : MSVOA_U
 ClientSampleId : 547-TB061318

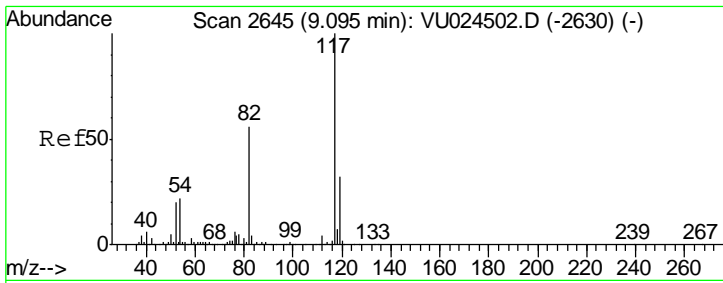
Tgt Ion	Resp	Lower	Upper
98	440109		
98	100		
100	64.5	51.1	76.7



#62
 4-Bromofluorobenzene
 Concen: 44.11 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024755.D
 Acq: 20 Jun 2018 14:11

Tgt Ion	Resp	Lower	Upper
95	161489		
95	100		
174	85.3	0.0	165.8
176	82.8	0.0	159.4

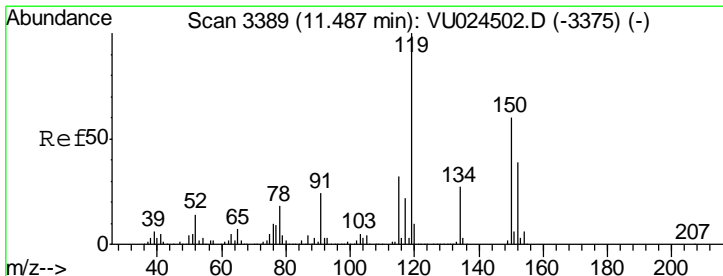
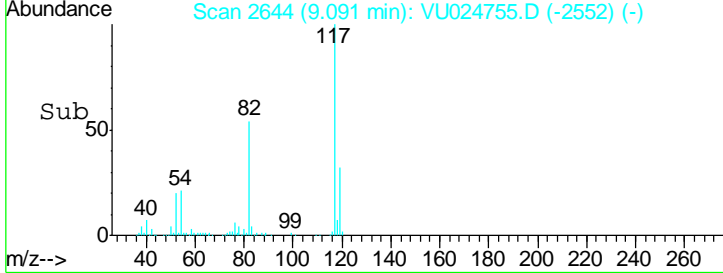
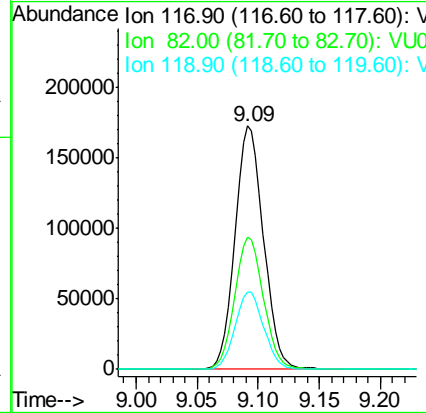
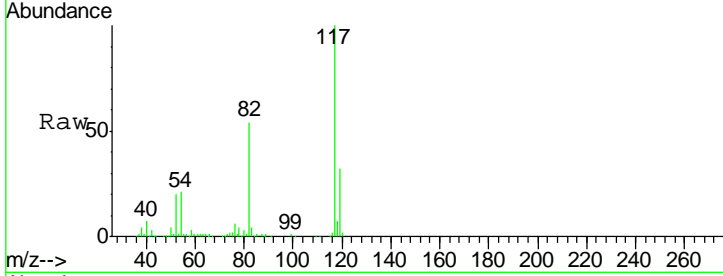




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VU024755.D
 Acq: 20 Jun 2018 14:11

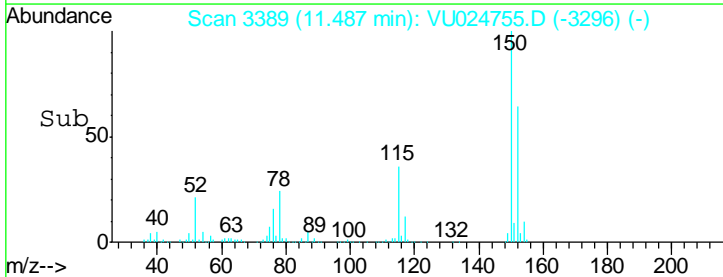
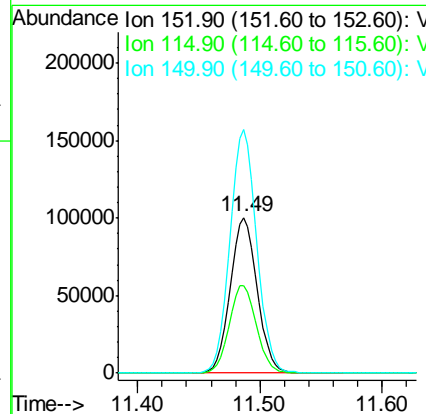
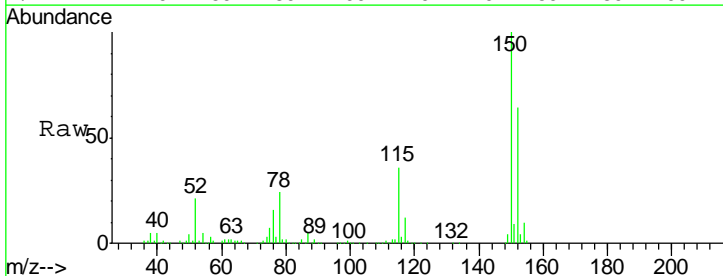
Instrument : MSVOA_U
 ClientSampled : 547-TB061318

Tgt Ion	Resp	Lower	Upper
117	281512		
82	54.1	44.3	66.5
119	31.8	25.4	38.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024755.D
 Acq: 20 Jun 2018 14:11

Tgt Ion	Resp	Lower	Upper
152	155345		
115	56.9	43.0	129.0
150	155.5	0.0	354.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024755.D
 Acq On : 20 Jun 2018 14:11
 Operator : MD/SY
 Sample : J3577-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 547-TB061318

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.089	140	155	179	rBV	337605	423483	36.50%	4.738%
2	1.584	301	309	320	rVB10	8589	15534	1.34%	0.174%
3	2.320	531	538	554	rVB	8181	14743	1.27%	0.165%
4	2.449	564	578	595	rVB2	12768	27407	2.36%	0.307%
5	4.889	1319	1337	1352	rBV	175179	399883	34.47%	4.474%
6	4.989	1353	1368	1390	rVB	245590	548495	47.27%	6.137%
7	5.313	1450	1469	1493	rBV	182680	391784	33.77%	4.384%
8	5.796	1599	1619	1622	rBV5	4695	13524	1.17%	0.151%
9	5.889	1634	1648	1674	rBV	355820	705491	60.81%	7.894%
10	7.567	2154	2170	2196	rBV	668021	1160228	100.00%	12.982%
11	9.091	2630	2644	2663	rBV	518596	850800	73.33%	9.520%
12	10.310	3010	3023	3043	rBV	512581	808801	69.71%	9.050%
13	11.487	3377	3389	3413	rVB	603529	942295	81.22%	10.544%
14	12.570	3714	3726	3740	rBV	41880	63028	5.43%	0.705%
15	12.728	3765	3775	3786	rBV5	13100	25595	2.21%	0.286%
16	12.857	3804	3815	3819	rBV5	16306	25716	2.22%	0.288%
17	12.895	3819	3827	3847	rVB2	46121	88948	7.67%	0.995%
18	13.316	3946	3958	3993	rBV	480571	988937	85.24%	11.065%
19	14.828	4419	4428	4439	rBV5	18849	37437	3.23%	0.419%
20	14.992	4469	4479	4500	rBV7	20641	62463	5.38%	0.699%
21	15.127	4511	4521	4545	rBV3	84525	219276	18.90%	2.454%
22	15.692	4685	4697	4723	rBV	470592	1065274	91.82%	11.920%
23	16.020	4794	4799	4809	rVB3	20133	28181	2.43%	0.315%
24	16.548	4957	4963	4979	rVB10	7023	13166	1.13%	0.147%
25	16.889	5063	5069	5079	rVB3	12109	16715	1.44%	0.187%

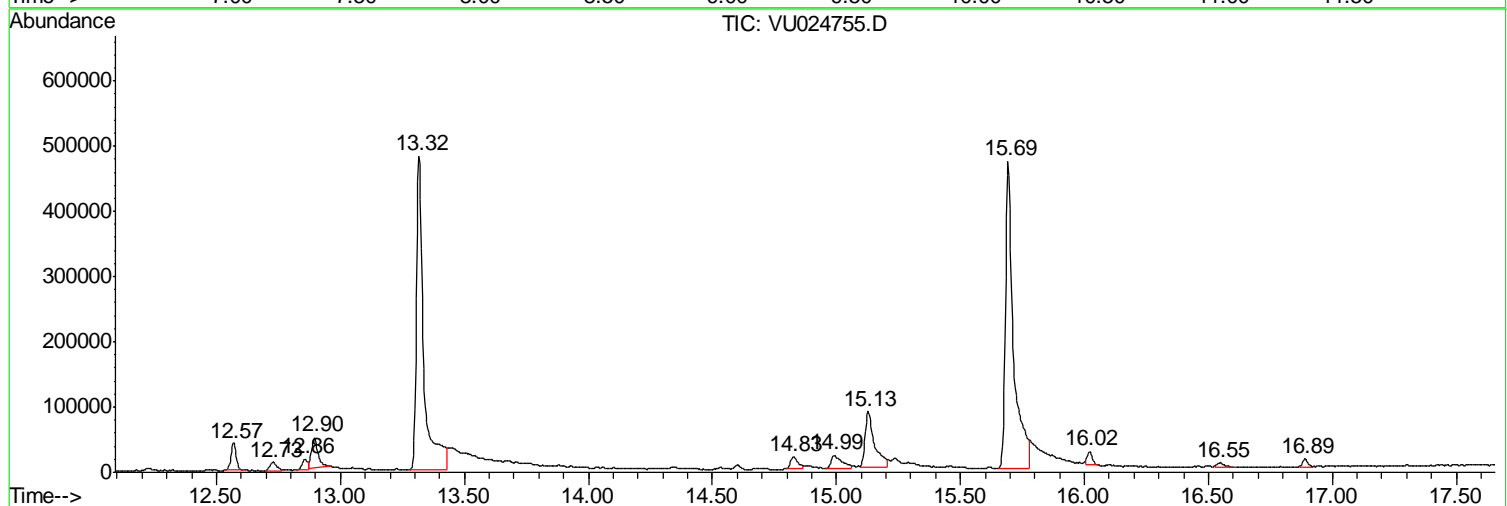
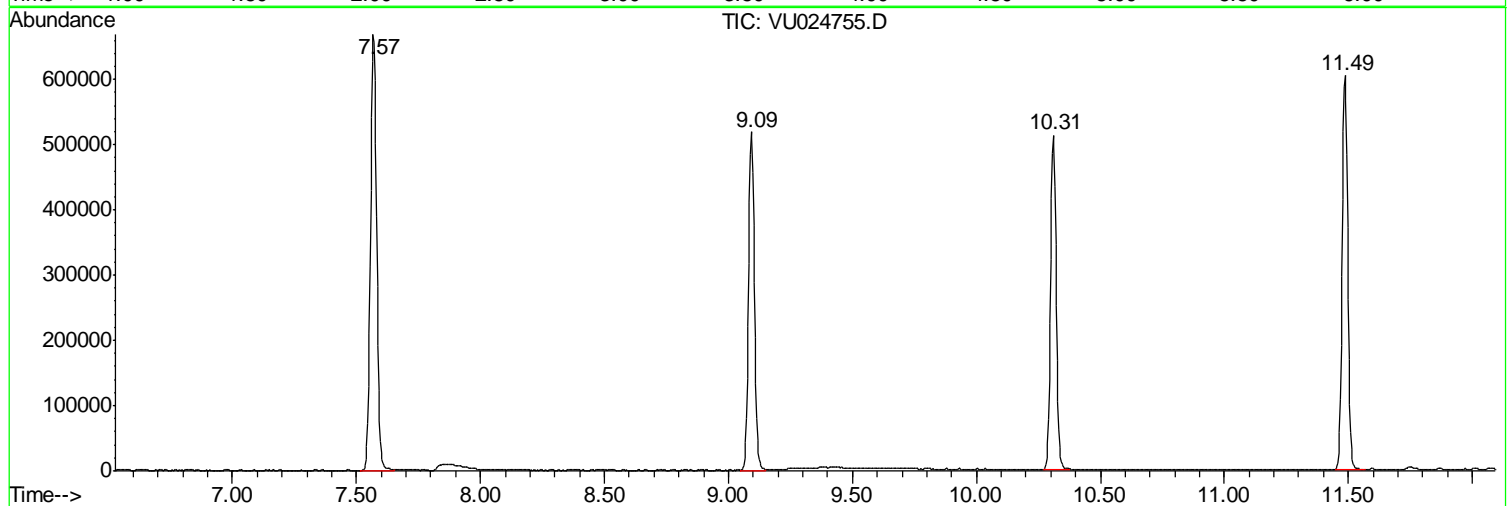
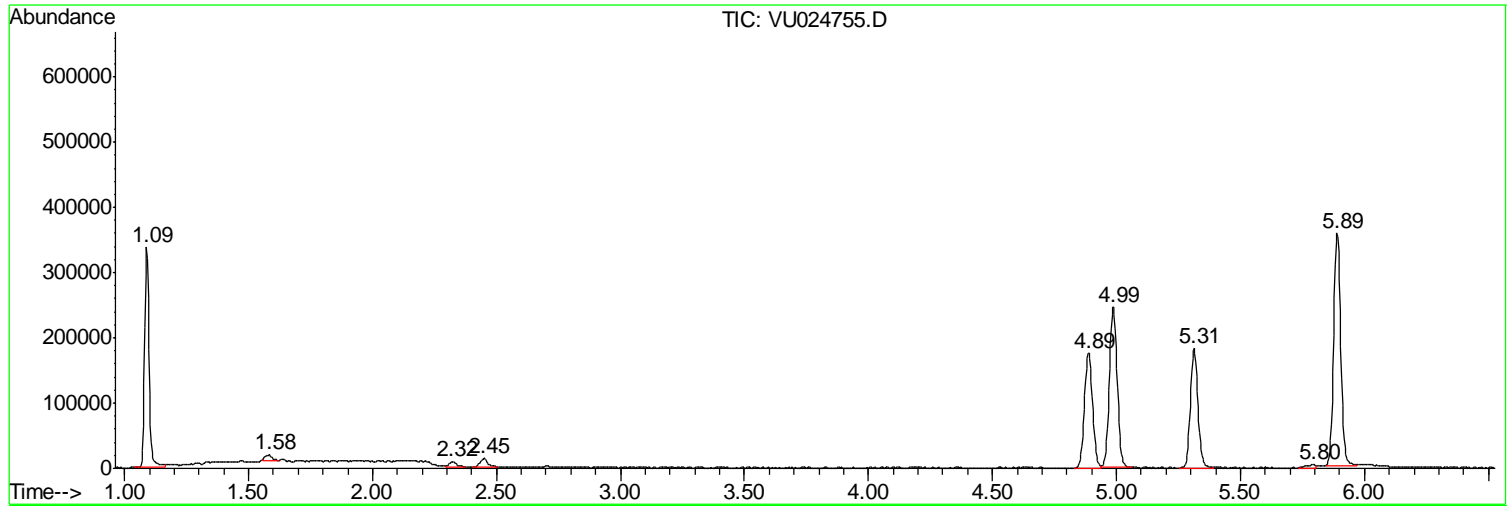
Sum of corrected areas: 8937204

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024755.D
Acq On : 20 Jun 2018 14:11
Operator : MD/SY
Sample : J3577-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
547-TB061318

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024755.D
 Acq On : 20 Jun 2018 14:11
 Operator : MD/SY
 Sample : J3577-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 547-TB061318

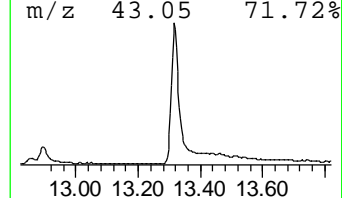
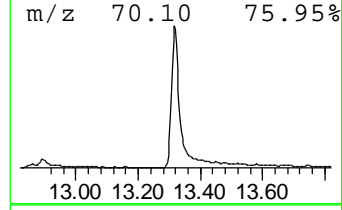
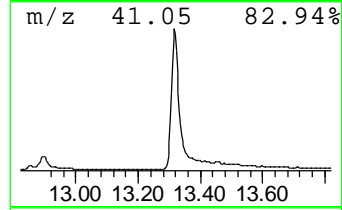
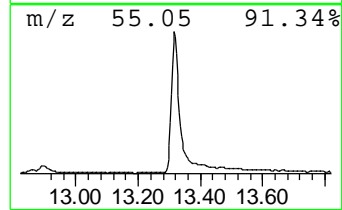
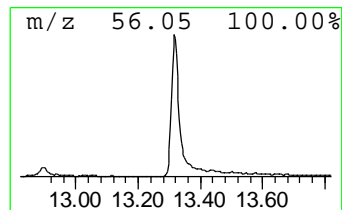
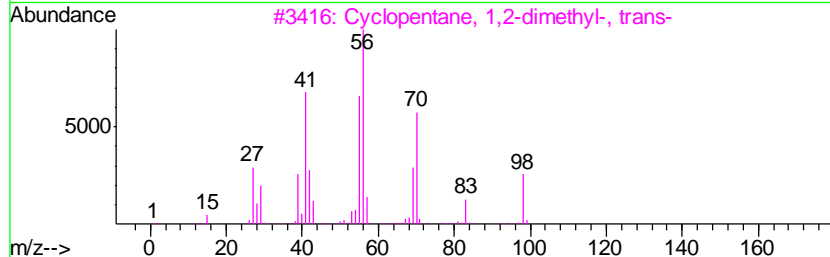
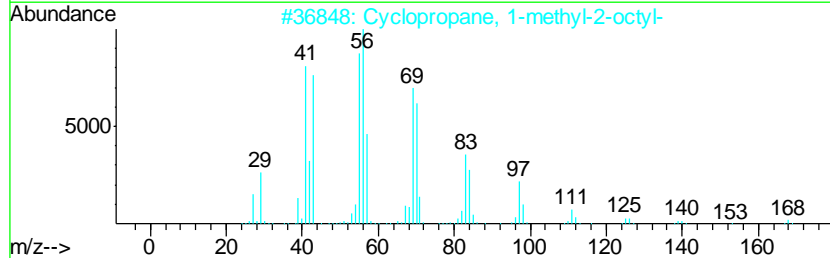
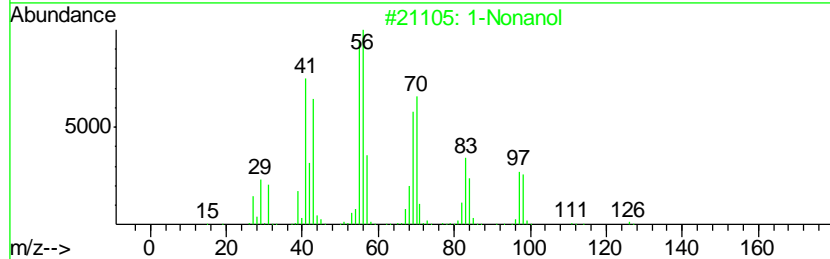
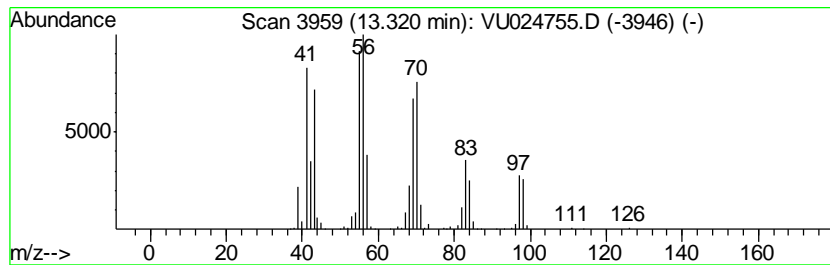
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 1-Nonanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	52.47 ug/l	988937	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Nonanol	144	C9H20O	000143-08-8	91
2		Cyclopropane, 1-methyl-2-octyl-	168	C12H24	037617-26-8	80
3		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	76
4		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	76
5		1-Octanol	130	C8H18O	000111-87-5	72



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024755.D
 Acq On : 20 Jun 2018 14:11
 Operator : MD/SY
 Sample : J3577-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 547-TB061318

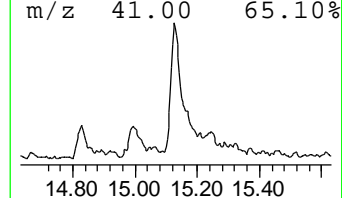
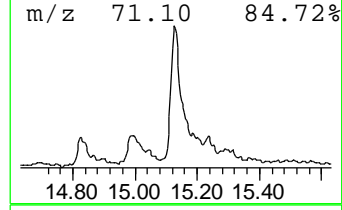
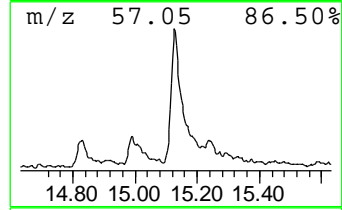
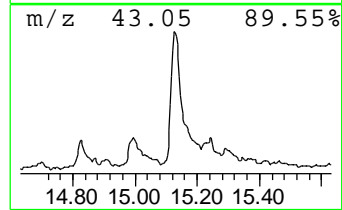
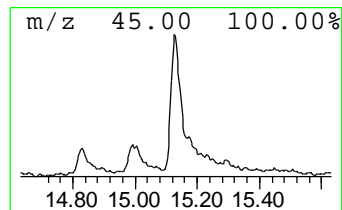
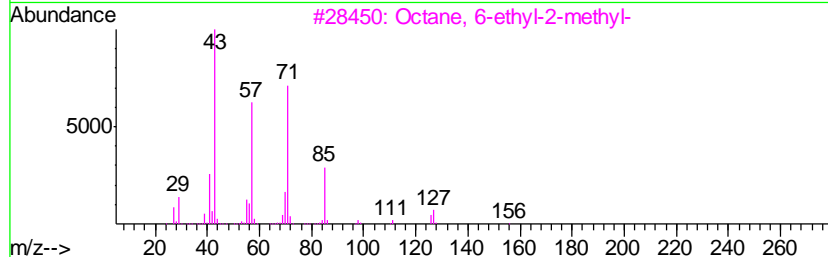
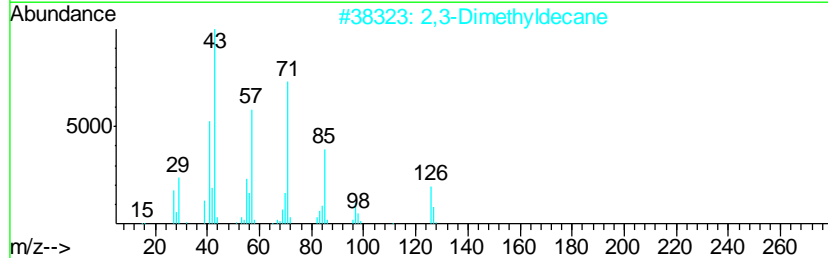
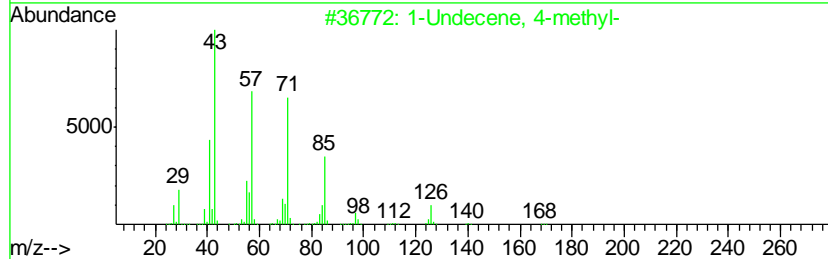
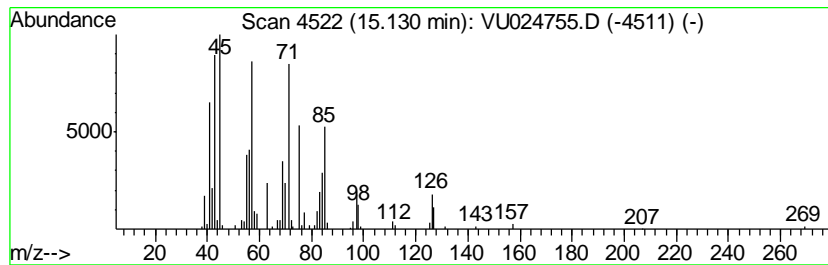
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 unknown15.13 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	11.64 ug/l	219276	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Undecene, 4-methyl-	168	C12H24	074630-39-0	38
2		2,3-Dimethyldecane	170	C12H26	017312-44-6	38
3		Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	35
4		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	35
5		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	35



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024755.D
 Acq On : 20 Jun 2018 14:11
 Operator : MD/SY
 Sample : J3577-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 547-TB061318

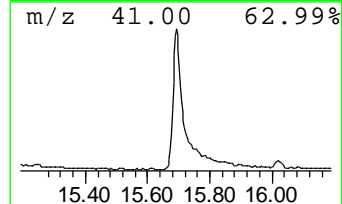
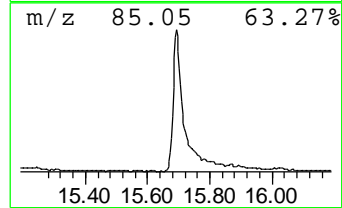
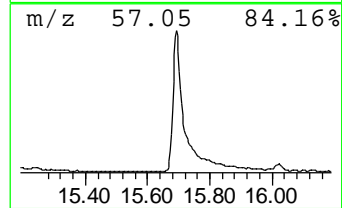
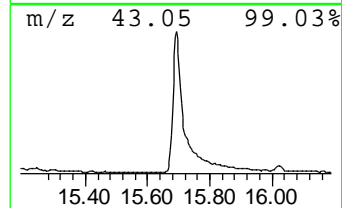
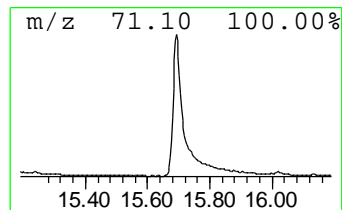
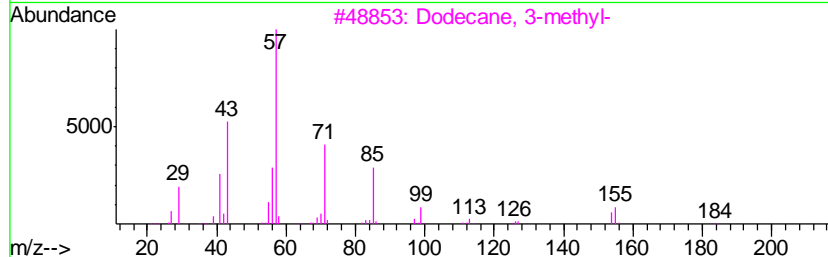
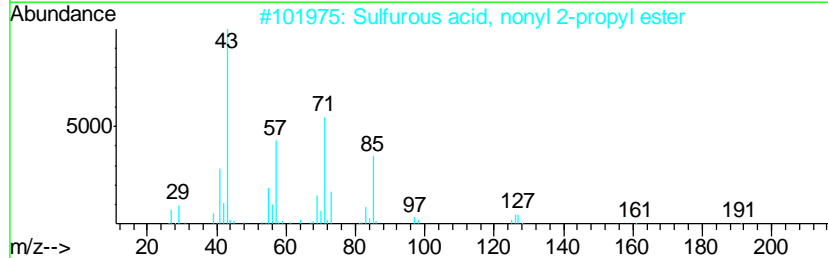
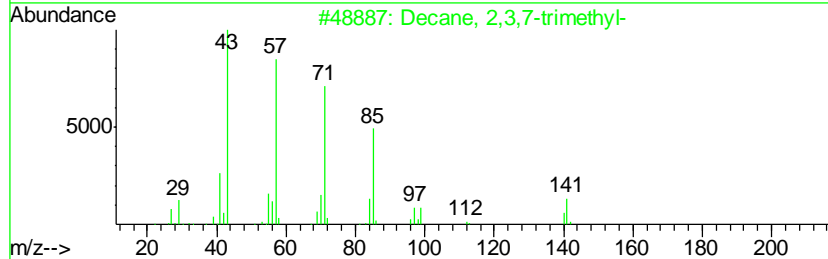
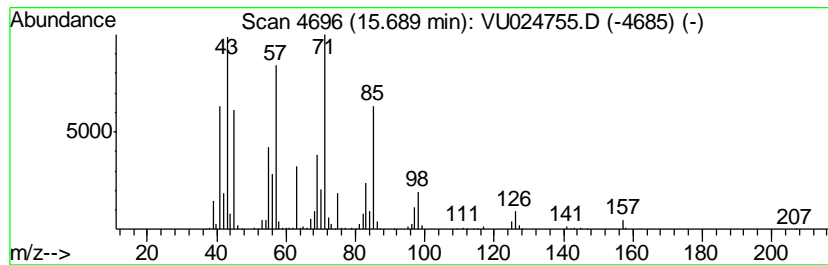
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 unknown15.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	56.53 ug/l	1065270	1,4-Dichlorobenzene-d4	11.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	47
2		Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	47
3		Dodecane, 3-methyl-	184	C13H28	017312-57-1	46
4		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	43
5		4-Octanone	128	C8H16O	000589-63-9	38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024755.D
 Acq On : 20 Jun 2018 14:11
 Operator : MD/SY
 Sample : J3577-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 547-TB061318

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1-Nonanol	13.32	52.5	ug/l	988937	4	11.49	942295	50.0
unknown15.13	15.13	11.6	ug/l	219276	4	11.49	942295	50.0
unknown15.69	15.69	56.5	ug/l	1065270	4	11.49	942295	50.0

CALIBRATION SUMMARY

- 1
- 2
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- 6
- 7
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- 14
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3577 SAS No.: J3577 SDG No.: J3577
 Instrument ID: MSVOA_U Calibration Date(s): 06/13/2018 06/13/2018
 Heated Purge: (Y/N) N Calibration Time(s): 11:33 13:28
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VU024499.D	RRF005 = VU024500.D	RRF020 = VU024501.D	RRF050 = VU024502.D	RRF100 = VU024503.D	RRF150 = VU024504.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.732	0.617	0.614	0.610	0.589	0.593	0.626	8.5
Chloromethane	0.801	0.647	0.620	0.592	0.568	0.608	0.639	13
Vinyl Chloride	0.745	0.687	0.631	0.643	0.621	0.630	0.659	7.3
Bromomethane	0.326	0.323	0.321	0.323	0.336	0.283	0.319	5.7
Chloroethane	0.698	0.412	0.373	0.381	0.361	0.364	0.431	30.5
Trichlorofluoromethane	1.201	1.031	0.987	0.964	0.925	0.930	1.006	10.2
1,1,2-Trichlorotrifluoroethane	0.791	0.625	0.592	0.605	0.568	0.564	0.624	13.6
1,1-Dichloroethene	0.585	0.623	0.568	0.568	0.541	0.531	0.569	5.8
Acetone	0.530	0.425	0.437	0.415	0.406	0.418	0.439	10.5
Carbon Disulfide	2.027	1.860	1.789	1.784	1.727	1.751	1.823	6
Methyl tert-butyl Ether	2.390	2.156	2.113	2.113	2.036	2.032	2.140	6.2
Methyl Acetate	1.094	0.895	0.938	0.928	0.897	0.890	0.940	8.3
Methylene Chloride	0.887	0.692	0.655	0.647	0.619	0.629	0.688	14.6
trans-1,2-Dichloroethene	0.727	0.623	0.619	0.611	0.589	0.593	0.627	8.1
1,1-Dichloroethane	1.328	1.208	1.209	1.200	1.146	1.142	1.205	5.6
Cyclohexane	2.282	1.318	1.137	1.109	1.054	1.036	1.323	36.3
2-Butanone	0.582	0.576	0.612	0.602	0.576	0.587	0.589	2.5
Carbon Tetrachloride	0.715	0.663	0.635	0.636	0.614	0.613	0.646	6
cis-1,2-Dichloroethene	0.804	0.746	0.704	0.706	0.683	0.683	0.721	6.5
Bromochloromethane	0.502	0.552	0.557	0.564	0.520	0.491	0.531	5.8
Chloroform	1.382	1.230	1.197	1.204	1.158	1.150	1.220	6.9
1,1,1-Trichloroethane	1.330	1.115	1.109	1.091	1.065	1.060	1.128	9
Methylcyclohexane	0.909	0.708	0.713	0.707	0.675	0.687	0.733	11.9
Benzene	1.872	1.702	1.657	1.658	1.578	1.578	1.674	6.5
1,2-Dichloroethane	0.728	0.634	0.631	0.627	0.600	0.605	0.638	7.3
Trichloroethene	0.577	0.467	0.463	0.457	0.445	0.450	0.476	10.5
1,2-Dichloropropane	0.489	0.451	0.446	0.442	0.423	0.429	0.447	5.2
Bromodichloromethane	0.671	0.644	0.617	0.613	0.598	0.605	0.625	4.4
4-Methyl-2-Pentanone	0.724	0.701	0.708	0.686	0.658	0.695	0.695	3.2
Toluene	1.246	1.082	1.032	1.054	1.016	1.032	1.077	8
t-1,3-Dichloropropene	0.717	0.680	0.689	0.705	0.694	0.725	0.702	2.4
cis-1,3-Dichloropropene	0.853	0.726	0.723	0.738	0.715	0.730	0.748	7
1,1,2-Trichloroethane	0.557	0.416	0.411	0.416	0.405	0.422	0.438	13.4

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3577 SAS No.: J3577 SDG No.: J3577
 Instrument ID: MSVOA_U Calibration Date(s): 06/13/2018 06/13/2018
 Heated Purge: (Y/N) N Calibration Time(s): 11:33 13:28
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VU024499.D	RRF005 = VU024500.D	RRF020 = VU024501.D	RRF050 = VU024502.D	RRF100 = VU024503.D	RRF150 = VU024504.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.601	0.562	0.573	0.552	0.540	0.580	0.568	3.8
Dibromochloromethane	0.684	0.522	0.506	0.524	0.508	0.532	0.546	12.6
1,2-Dibromoethane	0.564	0.496	0.461	0.472	0.456	0.475	0.487	8.2
Tetrachloroethene	0.535	0.498	0.472	0.476	0.444	0.426	0.475	8.1
Chlorobenzene	1.448	1.305	1.236	1.258	1.199	1.217	1.277	7.2
Ethyl Benzene	2.606	2.279	2.201	2.198	2.068	2.084	2.239	8.8
m/p-Xylenes	0.976	0.878	0.840	0.844	0.806	0.816	0.860	7.2
o-Xylene	0.958	0.882	0.836	0.826	0.798	0.806	0.851	7.1
Styrene	1.537	1.405	1.355	1.382	1.331	1.381	1.398	5.2
Bromoform	0.511	0.455	0.440	0.444	0.440	0.477	0.461	6.1
Isopropylbenzene	4.546	4.022	3.913	3.757	3.392	3.401	3.839	11.3
1,1,2,2-Tetrachloroethane	1.599	1.290	1.280	1.221	1.146	1.183	1.286	12.6
1,3-Dichlorobenzene	2.049	1.810	1.782	1.757	1.660	1.714	1.795	7.5
1,4-Dichlorobenzene	2.045	1.880	1.761	1.769	1.670	1.719	1.807	7.5
1,2-Dichlorobenzene	2.143	1.838	1.773	1.743	1.629	1.665	1.798	10.3
1,2-Dibromo-3-Chloropropane	0.379	0.349	0.361	0.360	0.336	0.345	0.355	4.3
1,2,4-Trichlorobenzene	0.879	1.001	1.156	1.220	1.180	1.227	1.111	12.6
1,2,3-Trichlorobenzene	0.867	0.990	1.179	1.228	1.177	1.198	1.107	13.1
1,2-Dichloroethane-d4		0.855	0.826	0.826	0.803	0.772	0.816	3.8
Dibromofluoromethane		0.435	0.416	0.418	0.408	0.397	0.415	3.3
Toluene-d8		1.546	1.527	1.531	1.495	1.469	1.514	2.1
4-Bromofluorobenzene		0.585	0.589	0.600	0.601	0.629	0.601	2.8

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\
 Method File : 82U061318W.M
 Title : SW846 8260
 Last Update : Wed Jun 13 13:55:26 2018
 Response Via : Initial Calibration

Calibration Files

1 =VU024499.D 5 =VU024500.D 20 =VU024501.D 50 =VU024502.D 100 =VU024503.D
 150 =VU024504.D

Compound	1	5	20	50	100	150	Avg	%RSD
1) I Pentafluorobenzene	-----ISTD-----							
2) T Dichlorodifluo...	0.732	0.617	0.614	0.610	0.589	0.593	0.626	8.51
3) P Chloromethane	0.801	0.647	0.620	0.592	0.568	0.608	0.639	13.04
4) C Vinyl Chloride	0.745	0.687	0.631	0.643	0.621	0.630	0.659	7.31#
5) T Bromomethane	0.326	0.323	0.321	0.323	0.336	0.283	0.319	5.74
6) T Chloroethane	0.698	0.412	0.373	0.381	0.361	0.364	0.431	30.53
7) T Trichlorofluor...	1.201	1.031	0.987	0.964	0.925	0.930	1.006	10.24
8) T Diethyl Ether	0.543	0.398	0.366	0.363	0.334	0.332	0.390	20.24
9) T 1,1,2-Trichlor...	0.791	0.625	0.592	0.605	0.568	0.564	0.624	13.61
10) T Methyl Iodide	0.217	0.391	0.518	0.557	0.573	0.451	0.451	33.00
11) T Tert butyl alc...	0.234	0.205	0.186	0.178	0.189	0.199	0.199	11.27
12) CM 1,1-Dichloroet...	0.585	0.623	0.568	0.568	0.541	0.531	0.569	5.75#
13) T Acrolein	0.117	0.103	0.101	0.099	0.101	0.104	0.104	6.74
14) T Allyl chloride	1.111	1.128	1.029	1.012	0.986	1.076	1.057	5.36
15) T Acrylonitrile	0.378	0.390	0.399	0.395	0.376	0.380	0.386	2.44
16) T Acetone	0.530	0.425	0.437	0.415	0.406	0.418	0.439	10.51
17) T Carbon Disulfide	2.027	1.860	1.789	1.784	1.727	1.751	1.823	6.00
18) T Methyl Acetate	1.094	0.895	0.938	0.928	0.897	0.890	0.940	8.27
19) T Methyl tert-bu...	2.390	2.156	2.113	2.113	2.036	2.032	2.140	6.16
20) T Methylene Chlo...	0.887	0.692	0.655	0.647	0.619	0.629	0.688	14.64
21) T trans-1,2-Dich...	0.727	0.623	0.619	0.611	0.589	0.593	0.627	8.08
22) T Diisopropyl ether	2.272	2.156	2.109	2.058	1.992	1.985	2.096	5.20
23) T Vinyl Acetate	1.997	1.894	1.873	1.887	1.814	1.798	1.877	3.76
24) P 1,1-Dichloroet...	1.328	1.208	1.209	1.200	1.146	1.142	1.205	5.56
25) T 2-Butanone	0.582	0.576	0.612	0.602	0.576	0.587	0.589	2.49
26) T 2,2-Dichloropr...	1.348	1.147	1.120	1.115	1.071	1.067	1.145	9.10
27) T cis-1,2-Dichlo...	0.804	0.746	0.704	0.706	0.683	0.683	0.721	6.48
28) T Bromochloromet...	0.502	0.552	0.557	0.564	0.520	0.491	0.531	5.79
29) T Tetrahydrofuran	0.409	0.364	0.372	0.358	0.344	0.342	0.365	6.75
30) C Chloroform	1.382	1.230	1.197	1.204	1.158	1.150	1.220	6.94#
31) T Cyclohexane	2.282	1.318	1.137	1.109	1.054	1.036	1.323	36.33
32) T 1,1,1-Trichlor...	1.330	1.115	1.109	1.091	1.065	1.060	1.128	8.96
33) S 1,2-Dichloroet...	0.855	0.826	0.826	0.803	0.772	0.816	0.816	3.80
34) I 1,4-Difluorobenzene	-----ISTD-----							
35) S Dibromofluorom...	0.435	0.416	0.418	0.408	0.397	0.415	0.415	3.34
36) T 1,1-Dichloropr...	0.679	0.599	0.569	0.569	0.552	0.558	0.588	8.08
37) T Ethyl Acetate	0.562	0.628	0.683	0.679	0.643	0.647	0.640	6.83
38) T Carbon Tetrach...	0.715	0.663	0.635	0.636	0.614	0.613	0.646	5.96
39) T Methylcyclohexane	0.909	0.708	0.713	0.707	0.675	0.687	0.733	11.93
40) TM Benzene	1.872	1.702	1.657	1.658	1.578	1.578	1.674	6.50
41) T Methacrylonitrile	0.284	0.347	0.371	0.367	0.348	0.355	0.345	9.12
42) TM 1,2-Dichloroet...	0.728	0.634	0.631	0.627	0.600	0.605	0.638	7.31
43) T Isopropyl Acetate	1.245	1.090	1.108	1.079	1.047	1.072	1.107	6.38
44) TM Trichloroethene	0.577	0.467	0.463	0.457	0.445	0.450	0.476	10.46
45) C 1,2-Dichloropr...	0.489	0.451	0.446	0.442	0.423	0.429	0.447	5.18#
46) T Dibromomethane	0.324	0.323	0.313	0.317	0.301	0.306	0.314	2.89
47) T Bromodichlorom...	0.671	0.644	0.617	0.613	0.598	0.605	0.625	4.41
48) T Methyl methacr...	0.577	0.537	0.539	0.537	0.511	0.533	0.539	3.96
49) T 1,4-Dioxane	0.012	0.010	0.011	0.010	0.010	0.011	0.011	8.46
50) S Toluene-d8	1.546	1.527	1.531	1.495	1.469	1.514	1.514	2.05
51) T 4-Methyl-2-Pen...	0.724	0.701	0.708	0.686	0.658	0.695	0.695	3.23
52) CM Toluene	1.246	1.082	1.032	1.054	1.016	1.032	1.077	7.98#

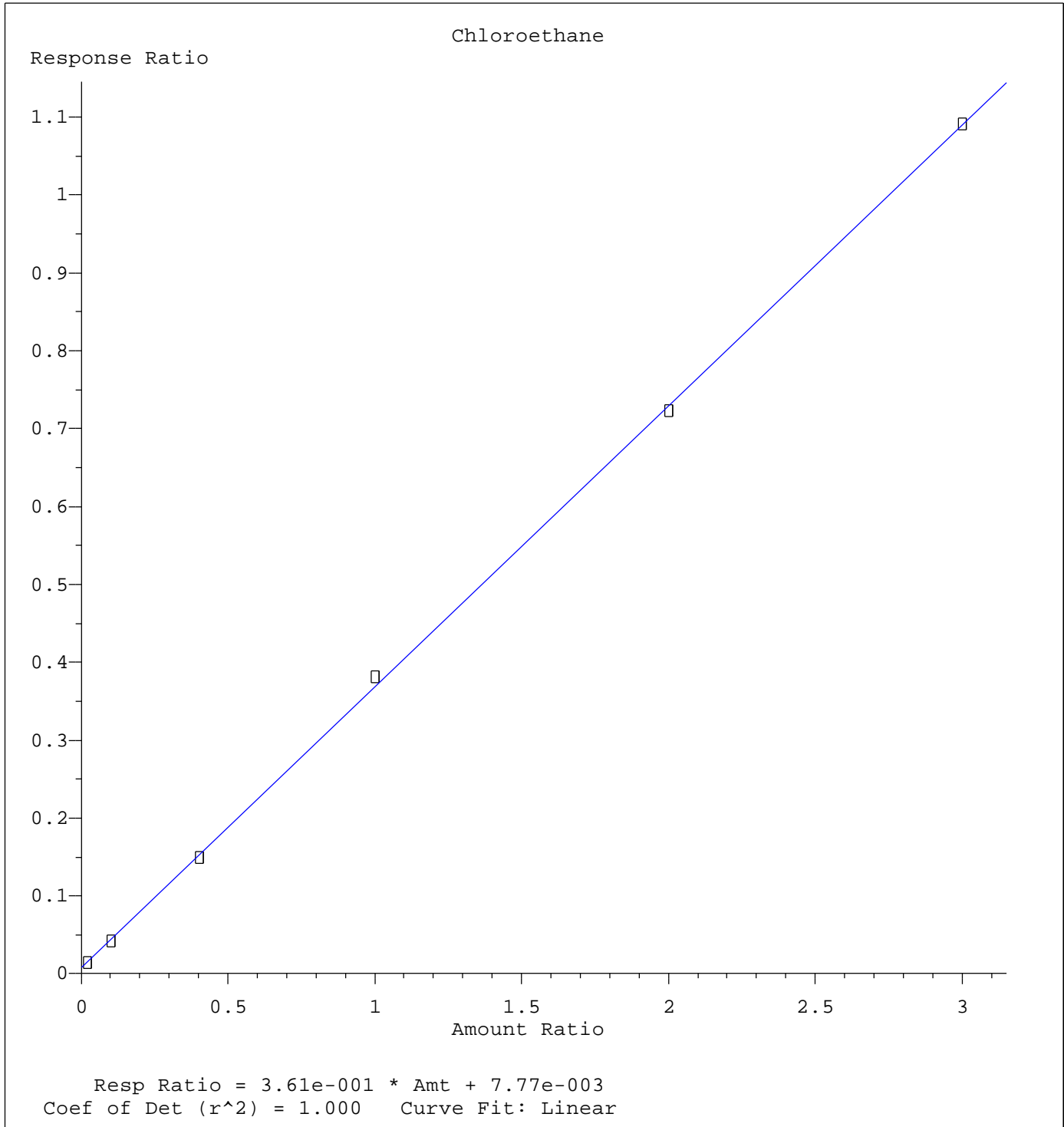
Method Path : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\

Method File : 82U061318W.M

Title : SW846 8260

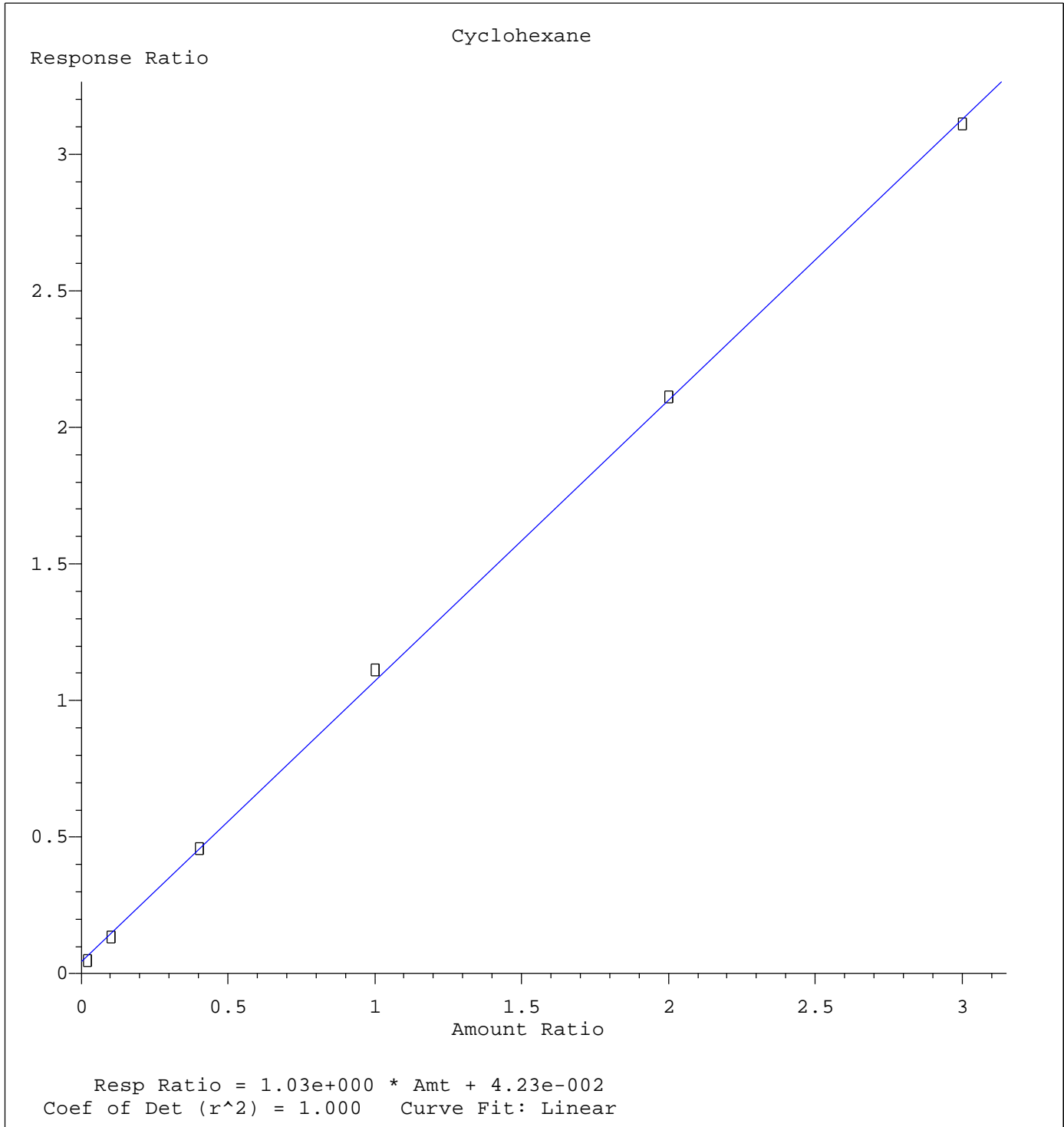
53)	T	t-1,3-Dichloro...	0.717	0.680	0.689	0.705	0.694	0.725	0.702	2.44
54)	T	cis-1,3-Dichlo...	0.853	0.726	0.723	0.738	0.715	0.730	0.748	7.00
55)	T	1,1,2-Trichlor...	0.557	0.416	0.411	0.416	0.405	0.422	0.438	13.42
56)	T	Ethyl methacry...	0.800	0.715	0.732	0.715	0.698	0.737	0.733	4.86
57)	T	1,3-Dichloropr...	0.840	0.738	0.722	0.722	0.695	0.714	0.739	7.00
58)	T	2-Chloroethyl ...	0.290	0.280	0.262	0.285	0.278	0.291	0.281	3.82
59)	T	2-Hexanone	0.601	0.562	0.573	0.552	0.540	0.580	0.568	3.80
60)	T	Dibromochlorom...	0.684	0.522	0.506	0.524	0.508	0.532	0.546	12.55
61)	T	1,2-Dibromoethane	0.564	0.496	0.461	0.472	0.456	0.475	0.487	8.17
62)	S	4-Bromofluorob...		0.585	0.589	0.600	0.601	0.629	0.601	2.83
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.535	0.498	0.472	0.476	0.444	0.426	0.475	8.10
65)	PM	Chlorobenzene	1.448	1.305	1.236	1.258	1.199	1.217	1.277	7.17
66)	T	1,1,1,2-Tetrac...	0.552	0.506	0.471	0.472	0.449	0.462	0.485	7.73
67)	C	Ethyl Benzene	2.606	2.279	2.201	2.198	2.068	2.084	2.239	8.77#
68)	T	m/p-Xylenes	0.976	0.878	0.840	0.844	0.806	0.816	0.860	7.22
69)	T	o-Xylene	0.958	0.882	0.836	0.826	0.798	0.806	0.851	7.07
70)	T	Styrene	1.537	1.405	1.355	1.382	1.331	1.381	1.398	5.18
71)	P	Bromoform	0.511	0.455	0.440	0.444	0.440	0.477	0.461	6.09
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.546	4.022	3.913	3.757	3.392	3.401	3.839	11.28
74)	T	N-amyl acetate	2.067	1.896	1.810	1.789	1.675	1.717	1.826	7.71
75)	P	1,1,2,2-Tetrac...	1.599	1.290	1.280	1.221	1.146	1.183	1.286	12.64
76)	T	1,2,3-Trichlor...	1.103	1.215	1.125	1.086	1.004	1.072	1.101	6.30
77)	T	Bromobenzene	1.136	1.016	0.961	0.954	0.870	0.894	0.972	9.83
78)	T	n-propylbenzene	5.175	4.775	4.613	4.455	4.041	4.073	4.522	9.57
79)	T	2-Chlorotoluene	3.250	2.748	2.666	2.588	2.359	2.389	2.667	12.15
80)	T	1,3,5-Trimethy...	4.064	3.506	3.287	3.207	2.935	2.965	3.327	12.58
81)	T	trans-1,4-Dich...	0.447	0.491	0.482	0.464	0.459	0.509	0.476	4.81
82)	T	4-Chlorotoluene	3.629	3.218	3.097	3.052	2.787	2.840	3.104	9.79
83)	T	tert-Butylbenzene	3.778	3.375	3.210	3.103	2.842	2.895	3.201	10.79
84)	T	1,2,4-Trimethy...	3.916	3.549	3.399	3.329	3.047	3.106	3.391	9.36
85)	T	sec-Butylbenzene	4.595	4.174	4.052	3.930	3.610	3.677	4.006	8.98
86)	T	p-Isopropyltol...	4.252	3.682	3.557	3.498	3.234	3.306	3.588	10.15
87)	T	1,3-Dichlorobe...	2.049	1.810	1.782	1.757	1.660	1.714	1.795	7.52
88)	T	1,4-Dichlorobe...	2.045	1.880	1.761	1.769	1.670	1.719	1.807	7.50
89)	T	n-Butylbenzene	3.442	3.170	3.207	3.220	2.995	3.079	3.186	4.77
90)	T	Hexachloroethane	0.875	0.712	0.669	0.665	0.628	0.651	0.700	12.90
91)	T	1,2-Dichlorobe...	2.143	1.838	1.773	1.743	1.629	1.665	1.798	10.27
92)	T	1,2-Dibromo-3-...	0.379	0.349	0.361	0.360	0.336	0.345	0.355	4.27
93)	T	1,2,4-Trichlor...	0.879	1.001	1.156	1.220	1.180	1.227	1.111	12.59
94)	T	Hexachlorobuta...	0.690	0.623	0.626	0.619	0.587	0.605	0.625	5.62
95)	T	Naphthalene	2.239	2.785	3.589	3.772	3.644	3.726	3.293	19.19
96)	T	1,2,3-Trichlor...	0.867	0.990	1.179	1.228	1.177	1.198	1.107	13.07

(#) = Out of Range



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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Calibration Table Last Updated: Wed Jun 13 13:55:26 2018



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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Calibration Table Last Updated: Wed Jun 13 13:55:26 2018

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024499.D
 Acq On : 13 Jun 2018 11:33
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Manual Integrations
APPROVED
 MMDadoda
 6/14/2018 9:44:16 AM

Quant Time: Jun 13 13:17:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	200290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299246	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155341	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	2932	0.966	ug/l	96
3) Chloromethane	1.33	50	3207	0.907	ug/l	95
4) Vinyl Chloride	1.40	62	2986	0.758	ug/l #	82
5) Bromomethane	1.63	94	1307	0.604	ug/l	92
6) Chloroethane	1.70	64	2795	1.049	ug/l #	88
7) Trichlorofluoromethane	1.89	101	4810	0.899	ug/l	92
8) Diethyl Ether	2.10	74	2174	1.017	ug/l	58
9) 1,1,2-Trichlorotrifluoroet	2.29	101	3170	1.065	ug/l #	84
12) 1,1-Dichloroethene	2.29	96	2342	0.840	ug/l	95
14) Allyl chloride	2.59	41	4449	0.940	ug/l	99
15) Acrylonitrile	2.94	53	7568	3.761	ug/l	95
16) Acetone	2.32	43	10620	4.195	ug/l	94
17) Carbon Disulfide	2.48	76	8119	0.946	ug/l	99
18) Methyl Acetate	2.62	43	4382	0.871	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	9575	1.093	ug/l	97
20) Methylene Chloride	2.71	84	3554	1.022	ug/l	89
21) trans-1,2-Dichloroethene	2.99	96	2911	0.973	ug/l	93
22) Diisopropyl ether	3.58	45	9103	0.955	ug/l #	85
23) Vinyl Acetate	3.53	43	39997	5.709	ug/l	96
24) 1,1-Dichloroethane	3.45	63	5318	0.891	ug/l #	94
25) 2-Butanone	4.27	43	11660	3.851	ug/l	93
26) 2,2-Dichloropropane	4.23	77	5399	1.186	ug/l	82
27) cis-1,2-Dichloroethene	4.24	96	3220m	0.990	ug/l	
28) Bromochloromethane	4.55	49	2011	0.920	ug/l #	80
29) Tetrahydrofuran	4.64	42	8191	4.741	ug/l	94
30) Chloroform	4.68	83	5535	0.915	ug/l	88
31) Cyclohexane	5.00	56	9141	1.544	ug/l #	57
32) 1,1,1-Trichloroethane	4.91	97	5326	1.095	ug/l	93
36) 1,1-Dichloropropene	5.14	75	4062	0.951	ug/l #	73
37) Ethyl Acetate	4.40	43	3366	0.703	ug/l #	93
38) Carbon Tetrachloride	5.13	117	4282	1.053	ug/l	91
39) Methylcyclohexane	6.42	83	5442	1.179	ug/l	97
40) Benzene	5.40	78	11206	0.871	ug/l	92
41) Methacrylonitrile	4.55	41	1701m	0.634	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024499.D
 Acq On : 13 Jun 2018 11:33
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Manual Integrations
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 6/14/2018 9:44:16 AM

Quant Time: Jun 13 13:17:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.41	62	4359	0.884	ug/l	84
43) Isopropyl Acetate	5.56	43	7451	1.022	ug/l #	89
44) Trichloroethene	6.20	130	3452	1.029	ug/l	78
45) 1,2-Dichloropropane	6.44	63	2925	0.846	ug/l	94
46) Dibromomethane	6.57	93	1939	0.847	ug/l	97
47) Bromodichloromethane	6.76	83	4016	0.906	ug/l #	95
48) Methyl methacrylate	6.63	41	3454	0.966	ug/l #	83
49) 1,4-Dioxane	6.63	88	1414	18.748	ug/l #	64
51) 4-Methyl-2-Pentanone	7.46	43	21678	4.120	ug/l	96
52) Toluene	7.65	92	7458	0.976	ug/l	96
53) t-1,3-Dichloropropene	7.89	75	4290	0.931	ug/l	94
54) cis-1,3-Dichloropropene	7.28	75	5108	1.016	ug/l	95
55) 1,1,2-Trichloroethane	8.08	97	3335	1.018	ug/l #	91
56) Ethyl methacrylate	8.02	69	4786	1.121	ug/l	96
57) 1,3-Dichloropropane	8.25	76	5028	0.893	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.14	63	8668	3.946	ug/l	99
59) 2-Hexanone	8.37	43	17971	4.269	ug/l	91
60) Dibromochloromethane	8.48	129	4096	1.232	ug/l	92
61) 1,2-Dibromoethane	8.59	107	3373	0.984	ug/l	97
64) Tetrachloroethene	8.23	164	2965	1.076	ug/l #	90
65) Chlorobenzene	9.12	112	8032	0.995	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.21	131	3059	1.104	ug/l	85
67) Ethyl Benzene	9.26	91	14453	1.111	ug/l	90
68) m/p-Xylenes	9.38	106	10822	2.184	ug/l	97
69) o-Xylene	9.79	106	5312	1.163	ug/l	96
70) Styrene	9.80	104	8522	1.096	ug/l	95
71) Bromoform	9.97	173	2835	1.186	ug/l #	95
73) Isopropylbenzene	10.17	105	14125	1.319	ug/l	97
74) N-amyl acetate	10.02	43	6422	1.325	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	10.46	83	4967	1.069	ug/l	90
76) 1,2,3-Trichloropropane	10.50	75	3427	1.052	ug/l	84
77) Bromobenzene	10.46	156	3528	1.190	ug/l	95
78) n-propylbenzene	10.59	91	16077	1.211	ug/l	94
79) 2-Chlorotoluene	10.67	91	10098	1.253	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	12626	1.390	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.53	75	1390m	0.905	ug/l	
82) 4-Chlorotoluene	10.78	91	11274	1.206	ug/l	99
83) tert-Butylbenzene	11.10	119	11739	1.328	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	12165	1.326	ug/l	97
85) sec-Butylbenzene	11.33	105	14275	1.286	ug/l	94
86) p-Isopropyltoluene	11.48	119	13209	1.347	ug/l	92
87) 1,3-Dichlorobenzene	11.43	146	6367	1.117	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	6352m	1.065	ug/l	
89) n-Butylbenzene	11.90	91	10695	1.108	ug/l	96
90) Hexachloroethane	12.15	117	2720	1.547	ug/l	81
91) 1,2-Dichlorobenzene	11.89	146	6658	1.168	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1177	1.241	ug/l	83
93) 1,2,4-Trichlorobenzene	13.52	180	2732	0.812	ug/l	98
94) Hexachlorobutadiene	13.70	225	2145	1.073	ug/l	93
95) Naphthalene	13.76	128	6956	0.756	ug/l #	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024499.D
 Acq On : 13 Jun 2018 11:33
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
ClientSampled :
 VSTDICC001

Manual Integrations
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Quant Time: Jun 13 13:17:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.00	180	2694	0.792	ug/l	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

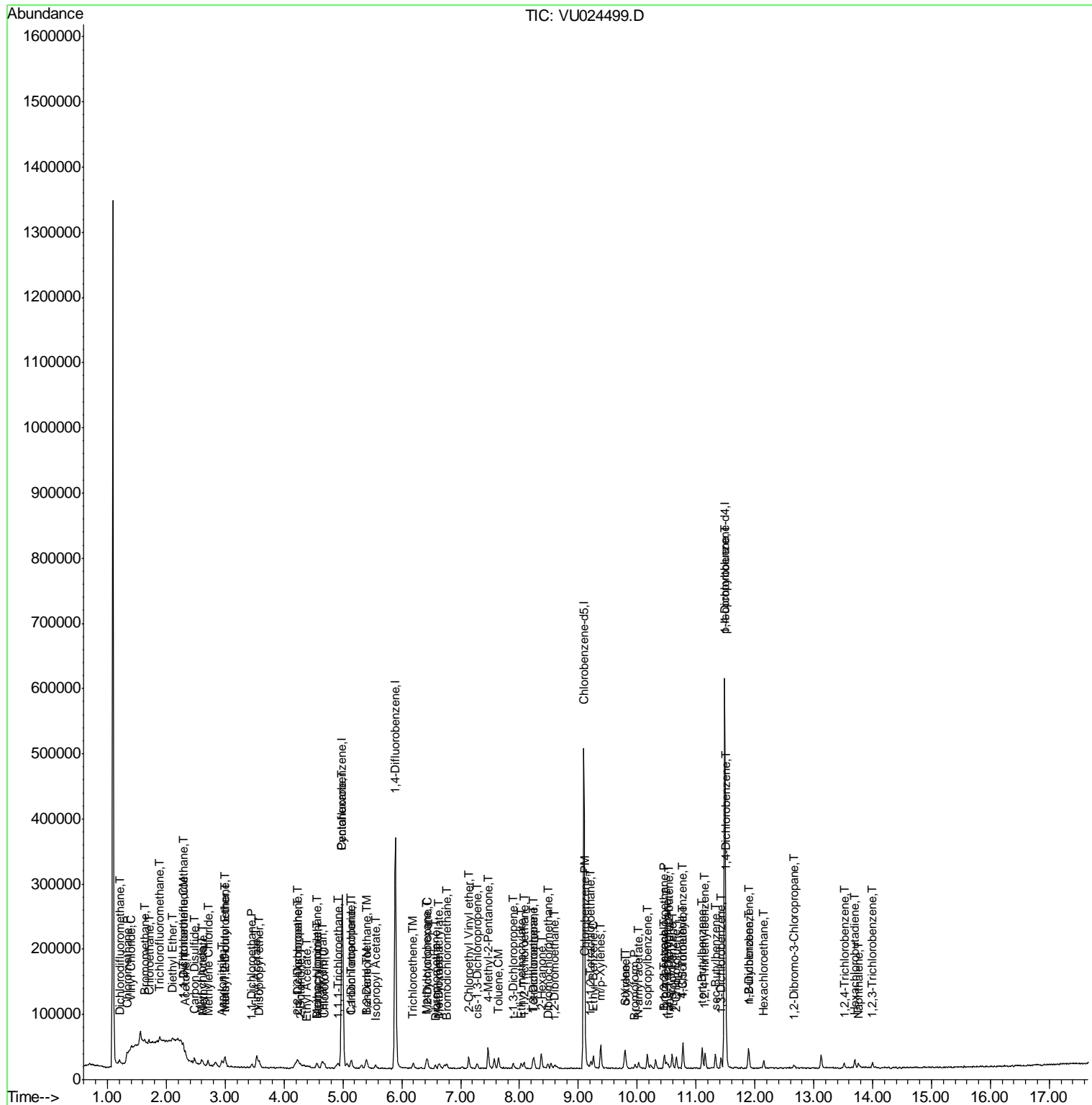
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024499.D
 Acq On : 13 Jun 2018 11:33
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

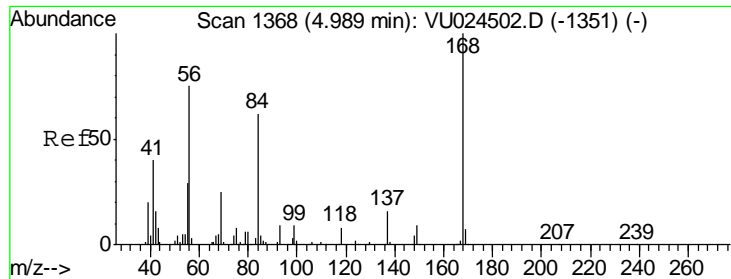
Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC001

Quant Time: Jun 13 13:17:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Manual Integrations
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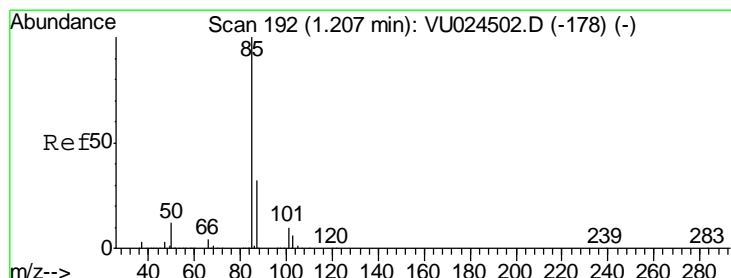
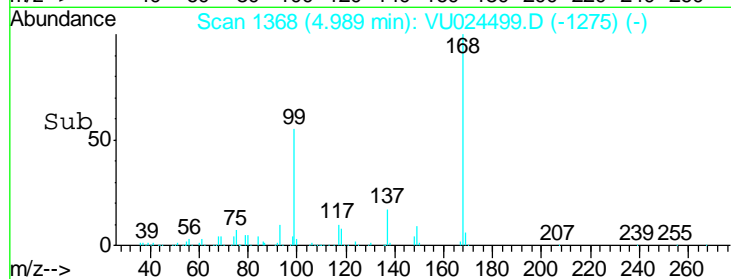
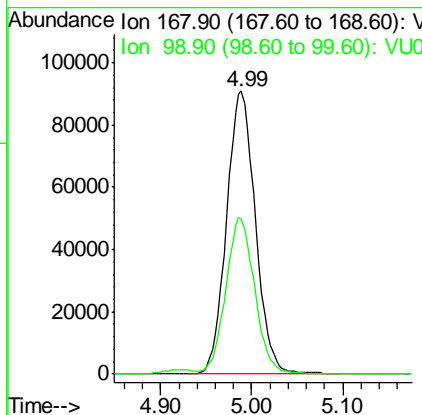
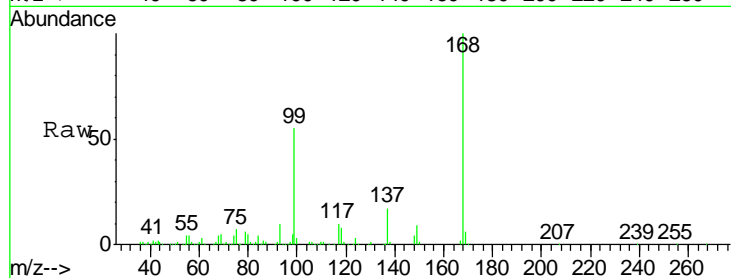
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 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
168	100		
99	54.5	43.2	64.8

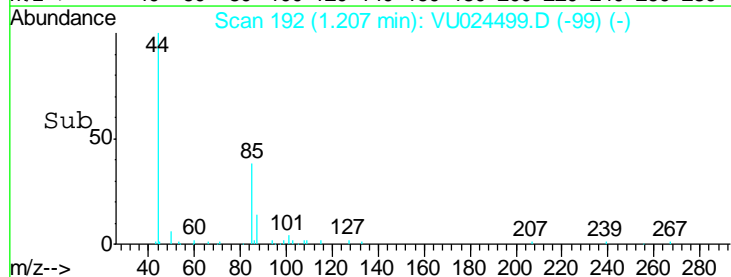
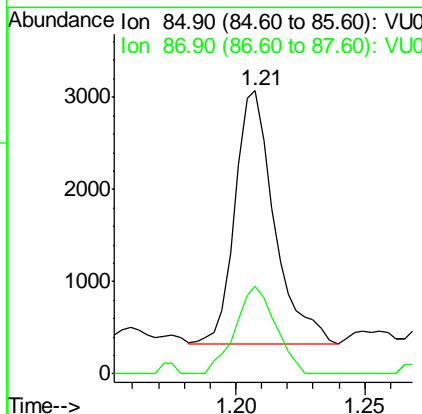
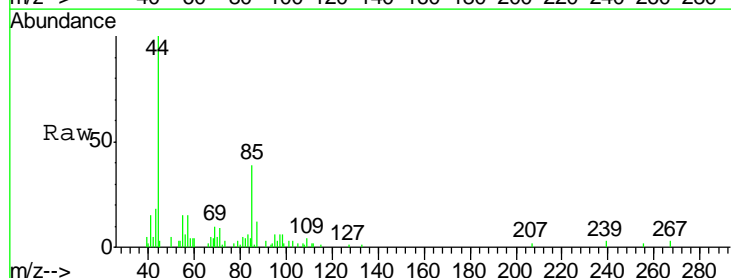
Manual Integrations
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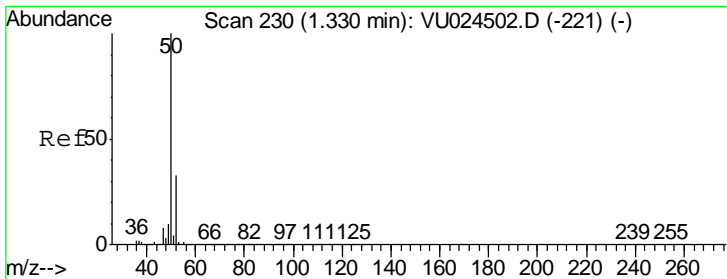
MMDadoda
 6/14/2018 9:44:16 AM



#2
 Dichlorodifluoromethane
 Concen: 0.966 ug/l
 RT: 1.21 min Scan# 192
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
85	100		
87	34.4	16.1	48.2





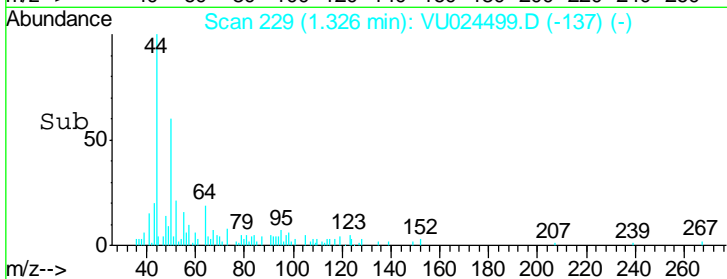
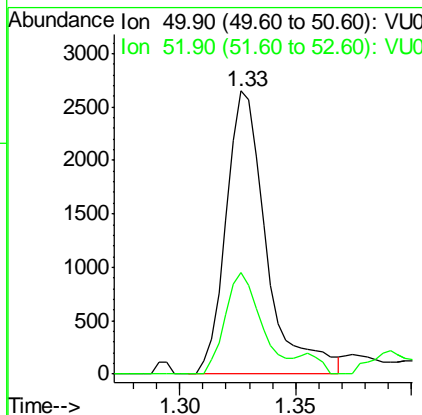
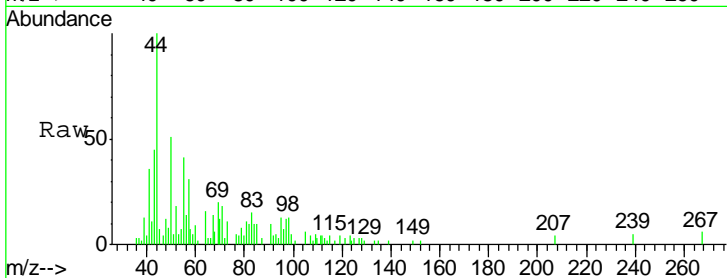
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 Chloromethane
 Concen: 0.907 ug/l
 RT: 1.33 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
50	100		
52	35.9	26.4	39.6

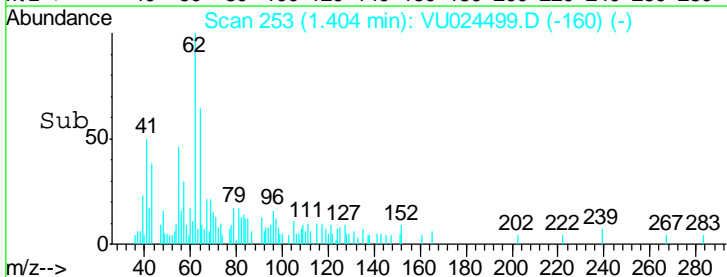
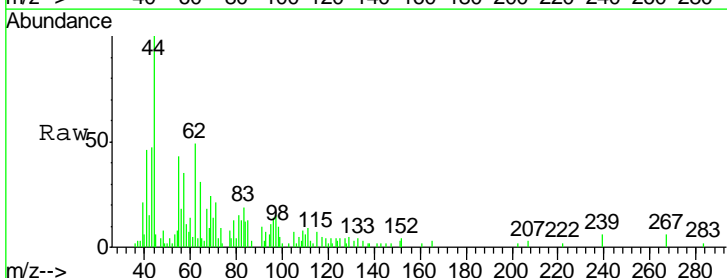
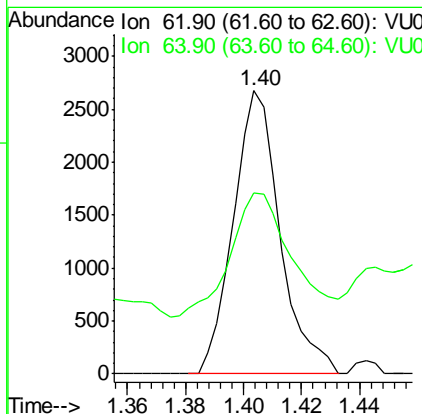
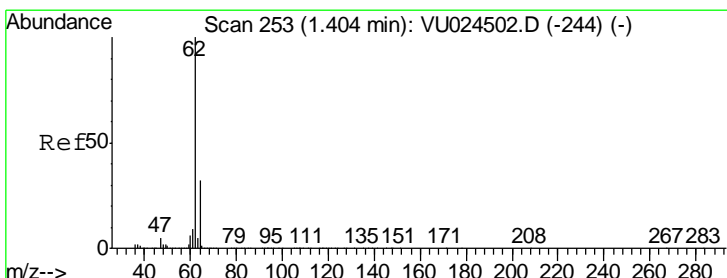
Manual Integrations
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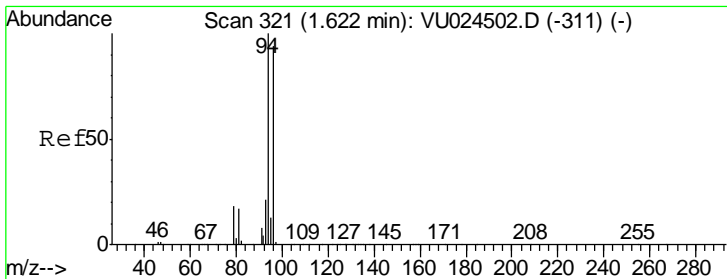
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#4
 Vinyl Chloride
 Concen: 0.758 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
62	100		
64	40.7	24.8	37.2#





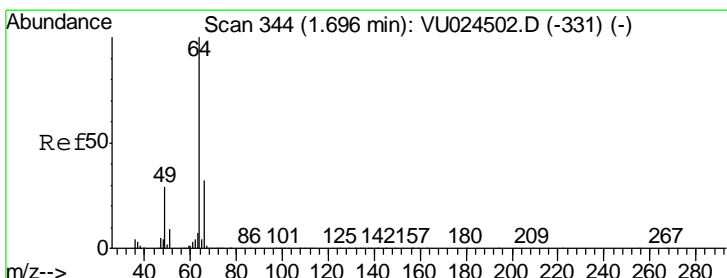
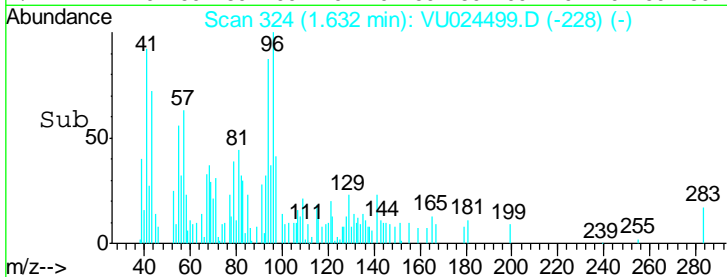
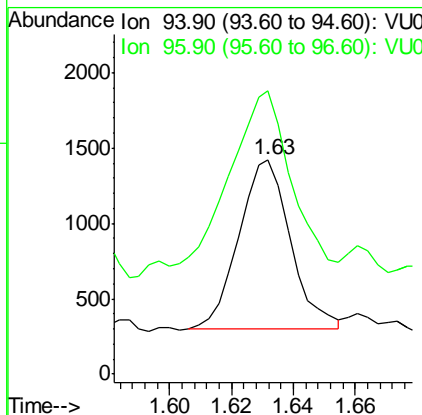
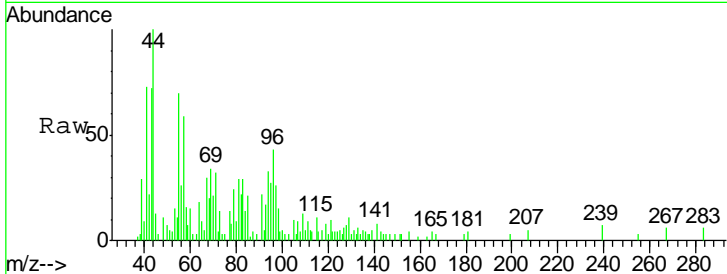
#5
 Bromomethane
 Concen: 0.604 ug/l
 RT: 1.63 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
94	1307		
94	100		
96	100.9	74.5	111.7

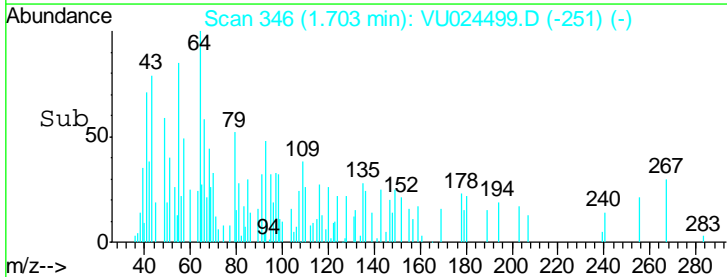
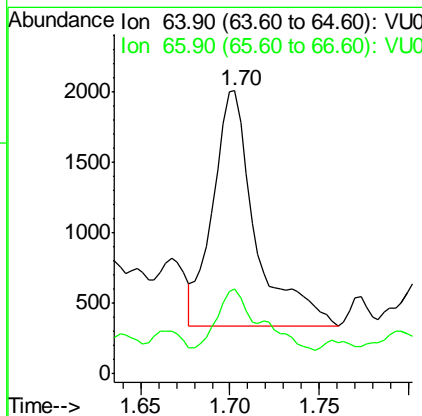
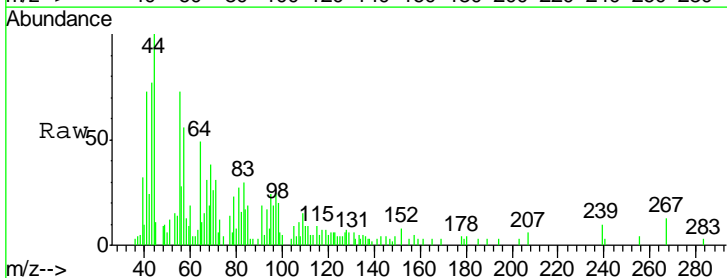
Manual Integrations
 APPROVED

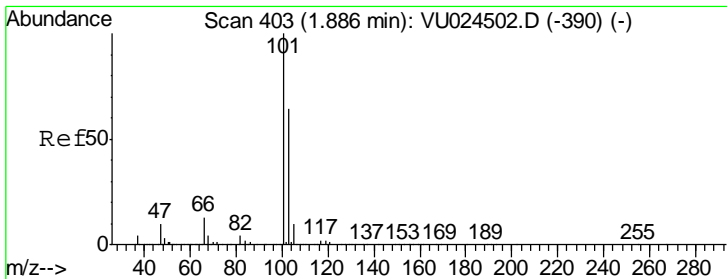
MMDadoda
 6/14/2018 9:44:16 AM



#6
 Chloroethane
 Concen: 1.049 ug/l
 RT: 1.70 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

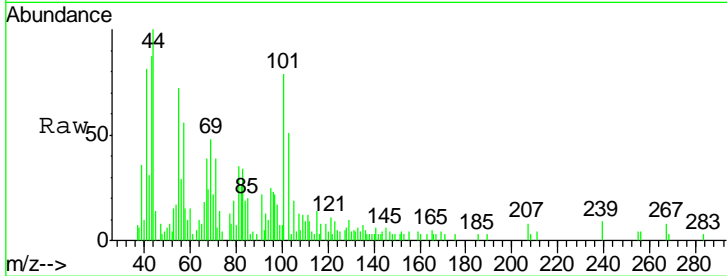
Tgt Ion	Resp	Lower	Upper
64	2795		
64	100		
66	25.1	25.5	38.3#





#7
 Trichlorofluoromethane
 Concen: 0.899 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

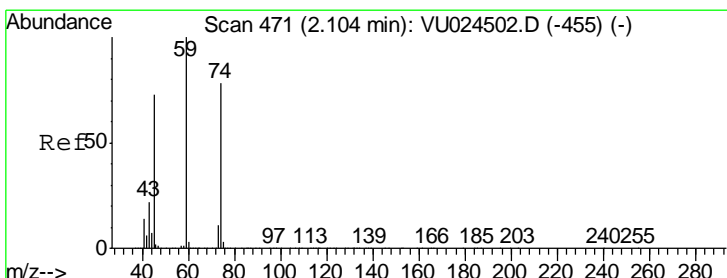
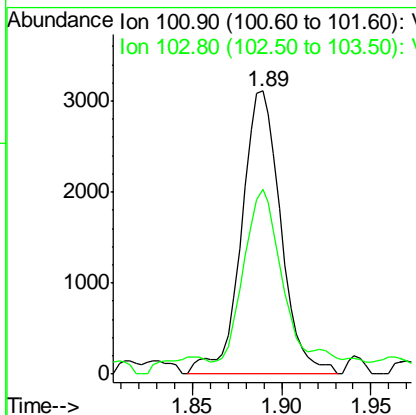
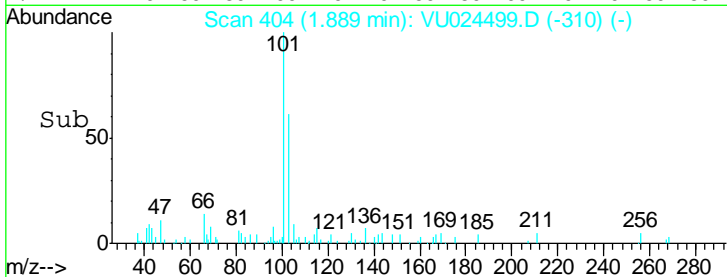
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



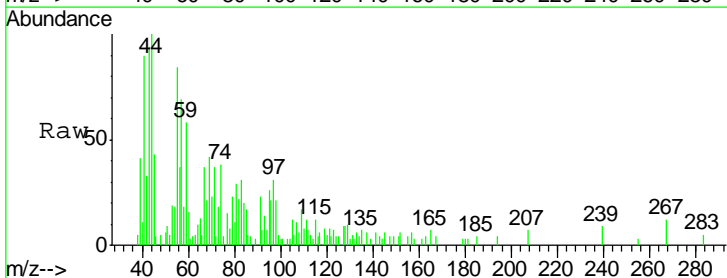
Tgt Ion: 101 Resp: 4810
 Ion Ratio Lower Upper
 101 100
 103 59.4 52.3 78.5

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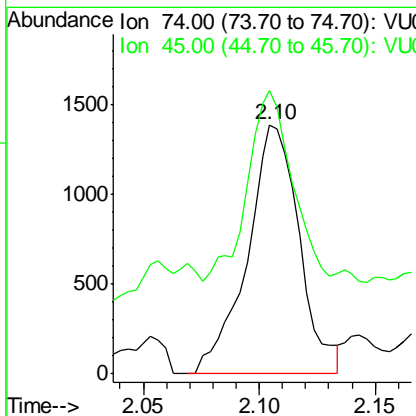
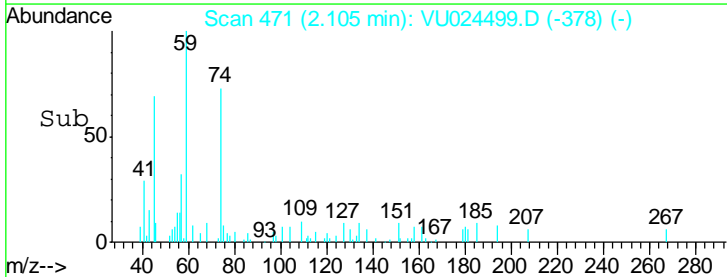
MMDadoda
 6/14/2018 9:44:16 AM

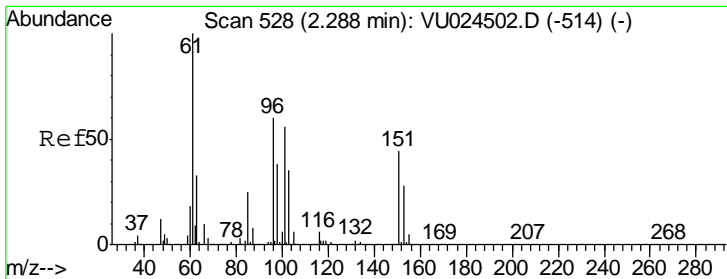


#8
 Diethyl Ether
 Concen: 1.017 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



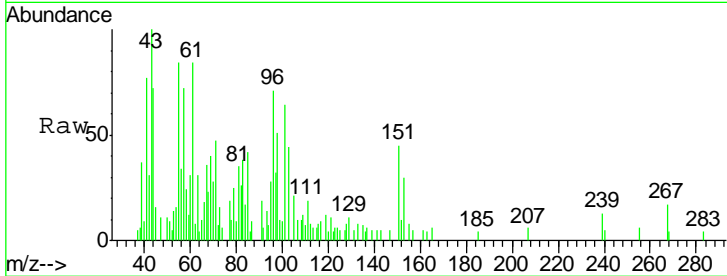
Tgt Ion: 74 Resp: 2174
 Ion Ratio Lower Upper
 74 100
 45 65.4 55.0 165.0





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.065 ug/l
 RT: 2.29 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

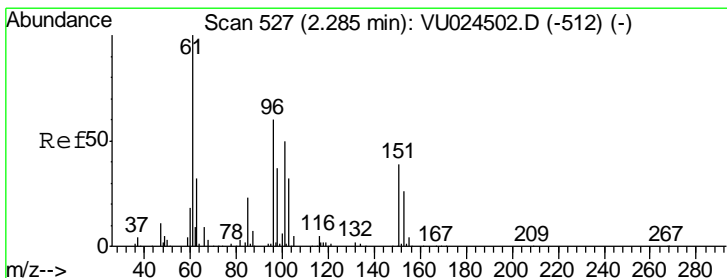
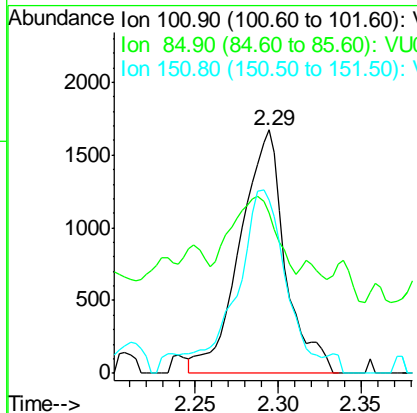
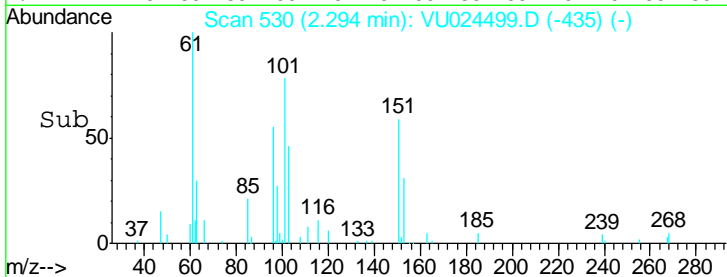
Instrument : MSVOA_U
 ClientSampled : VSTDIC001



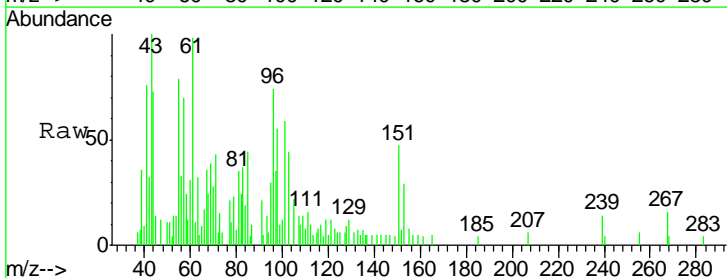
Tgt Ion	Ratio	Lower	Upper
101	100		
85	30.4	36.0	54.0#
151	66.7	62.3	93.5

Manual Integrations
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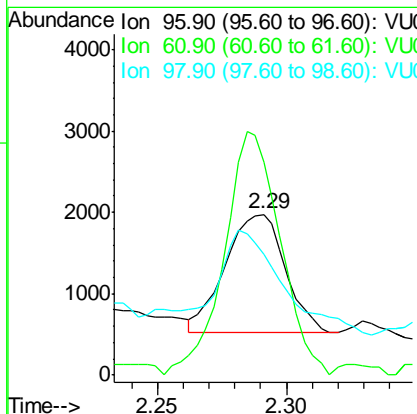
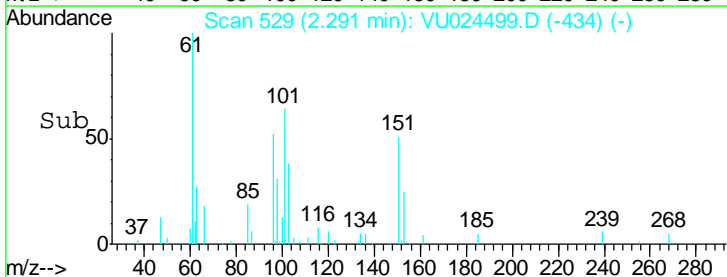
MMDadoda
 6/14/2018 9:44:16 AM

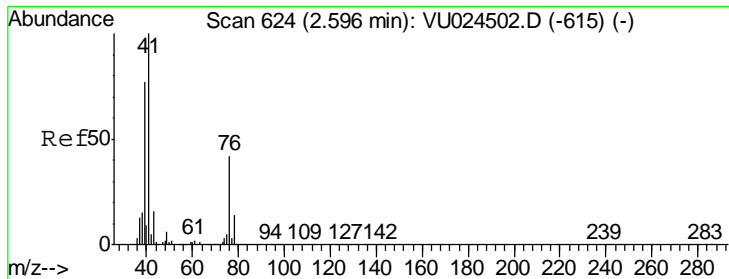


#12
 1,1-Dichloroethene
 Concen: 0.840 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.1	141.7	212.5
98	54.4	51.6	77.4





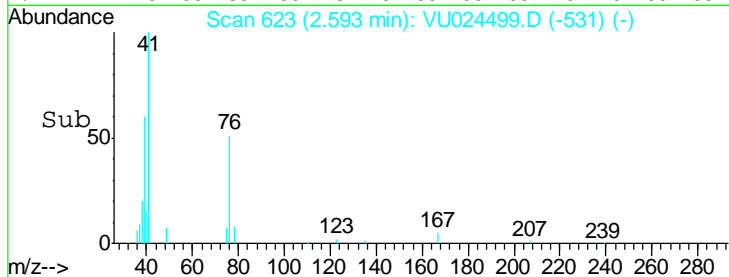
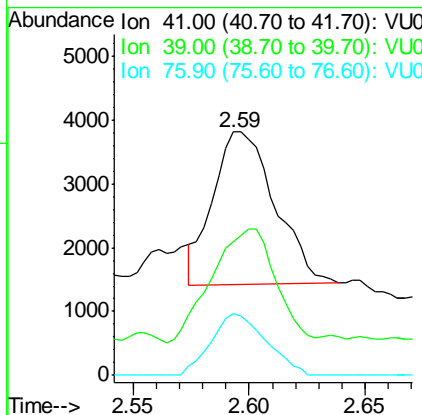
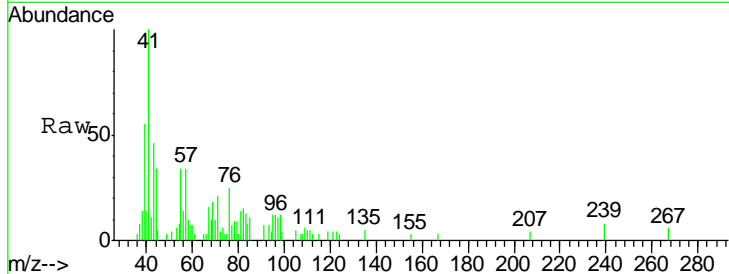
#14
 Allyl chloride
 Concen: 0.940 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
41	100		
39	76.3	61.6	92.4
76	35.7	29.7	44.5

Manual Integrations
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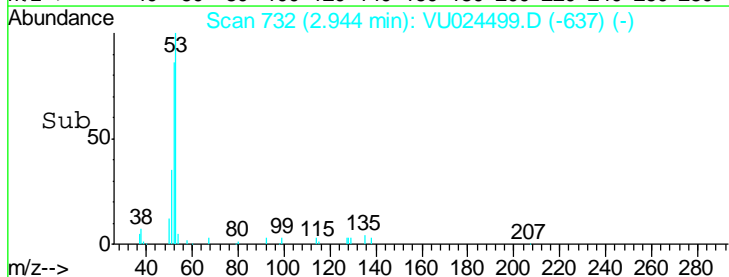
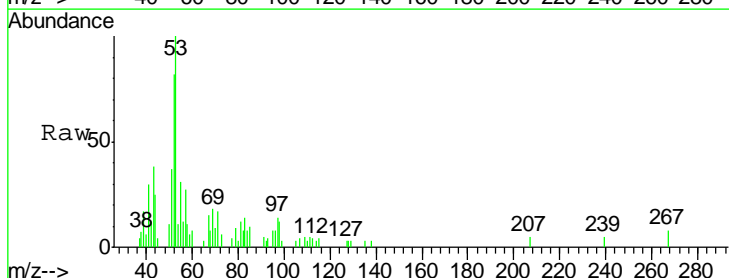
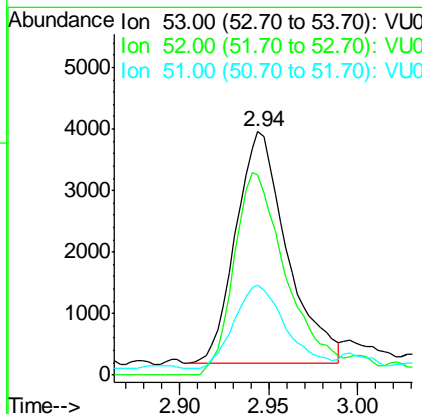
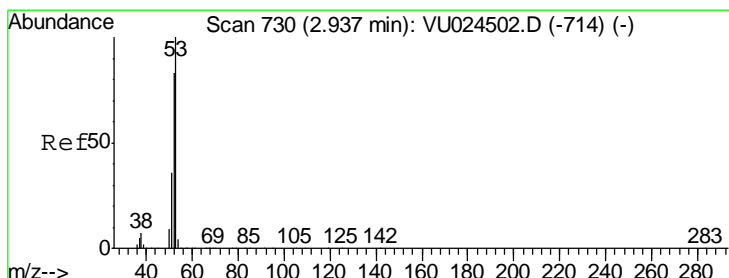
MMDadoda
 6/14/2018 9:44:16 AM

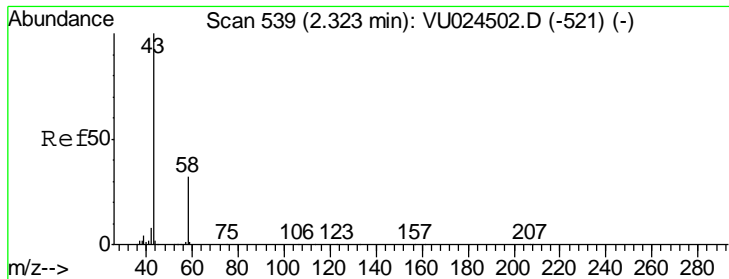


#15
 Acrylonitrile
 Concen: 3.761 ug/l
 RT: 2.94 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
53	100		
52	89.7	67.1	100.7
51	37.4	28.4	42.6





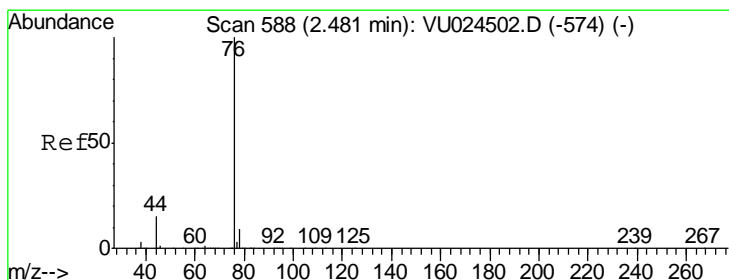
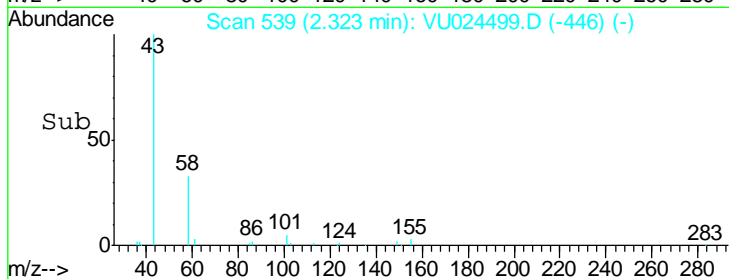
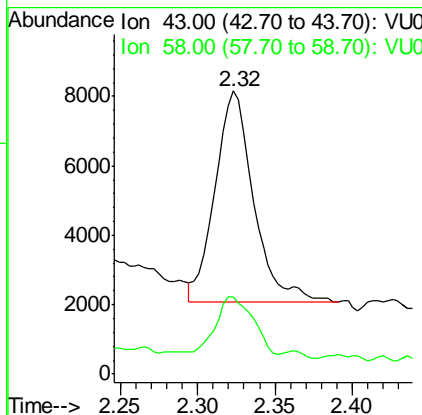
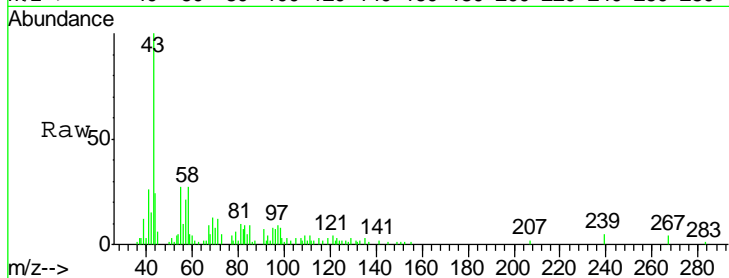
#16
 Acetone
 Concen: 4.195 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
43	10620		
58	27.4	24.4	36.6

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

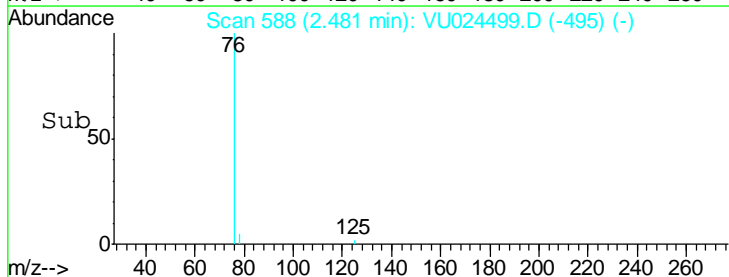
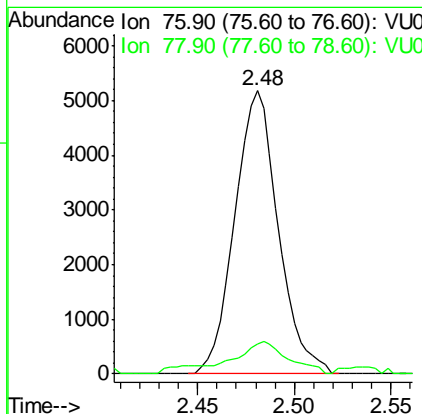
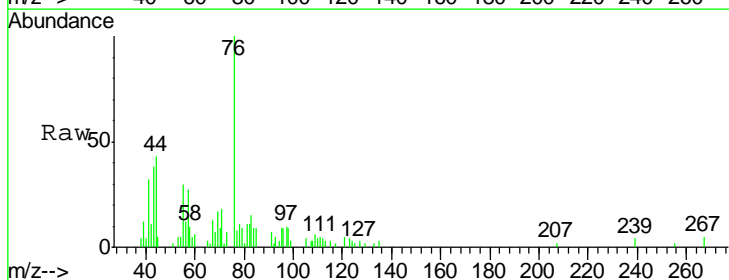
Manual Integrations
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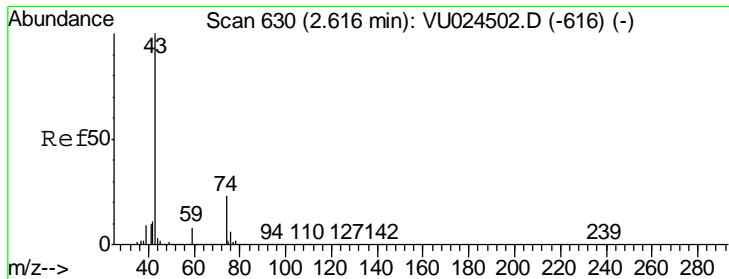
MMDadoda
 6/14/2018 9:44:16 AM



#17
 Carbon Disulfide
 Concen: 0.946 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
76	8119		
78	8.6	7.1	10.7



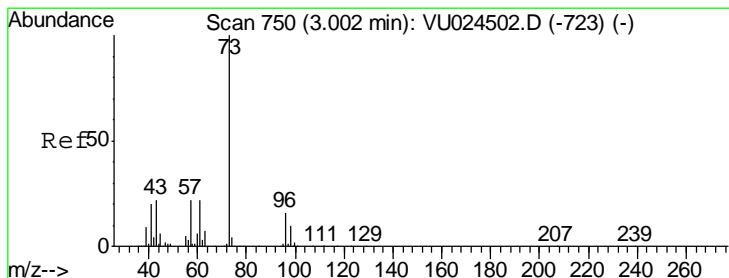
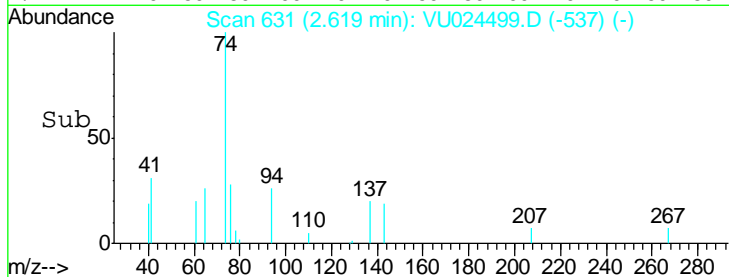
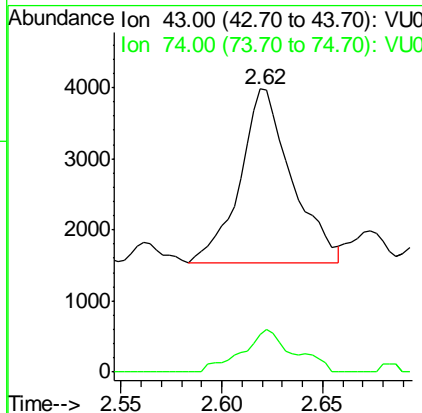
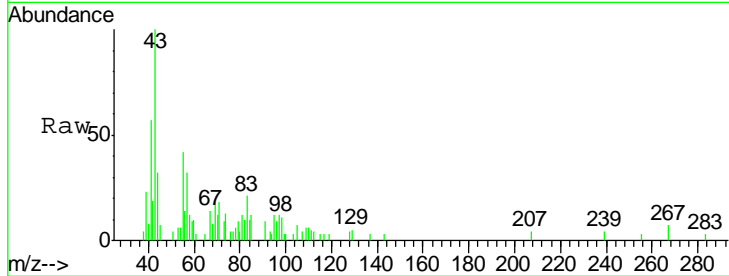


#18
 Methyl Acetate
 Concen: 0.871 ug/l
 RT: 2.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
43	100		
74	24.1	18.0	27.0

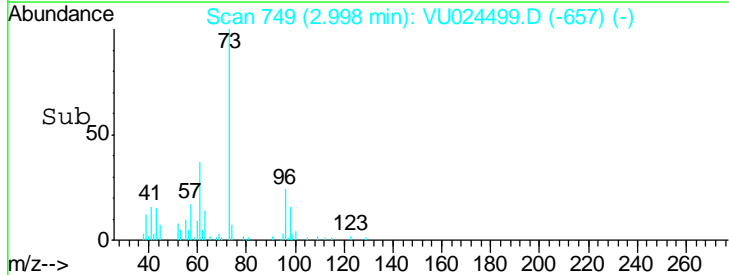
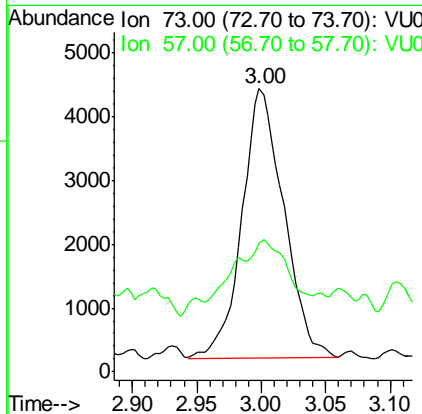
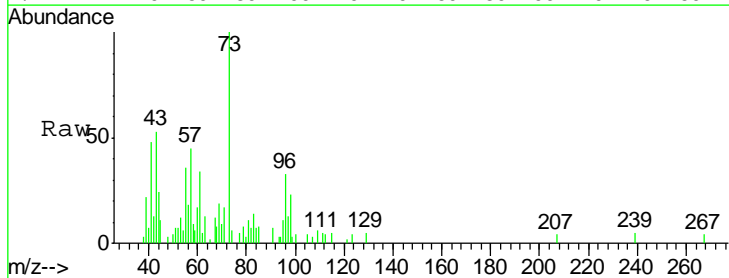
Instrument : MSVOA_U
 Client Sampled : VSTDIC001

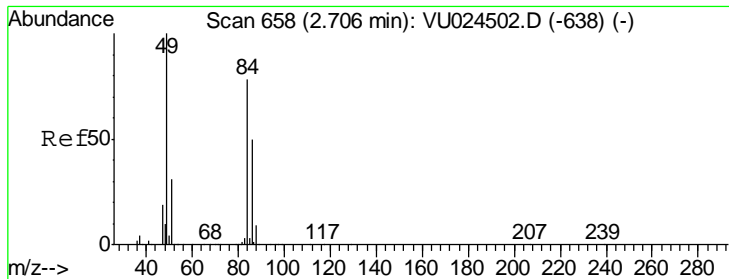
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#19
 Methyl tert-butyl Ether
 Concen: 1.093 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

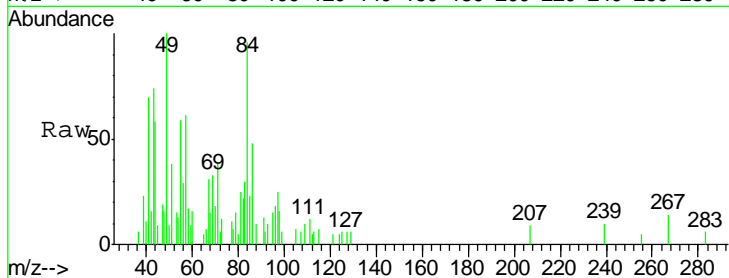
Tgt Ion	Resp	Lower	Upper
73	100		
57	22.3	18.8	28.2





#20
 Methylene Chloride
 Concen: 1.022 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

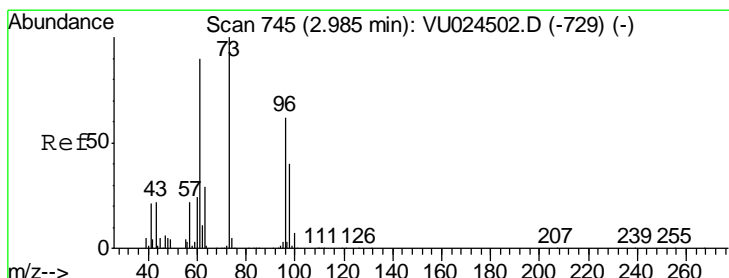
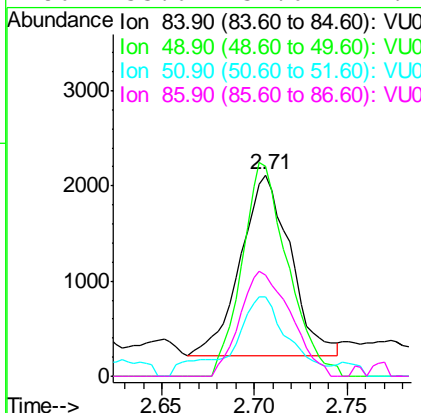
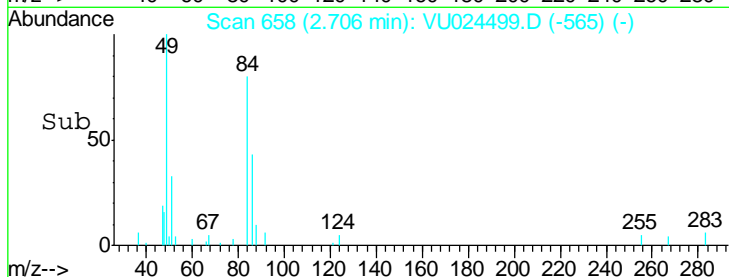


Tgt Ion: 84 Resp: 3554

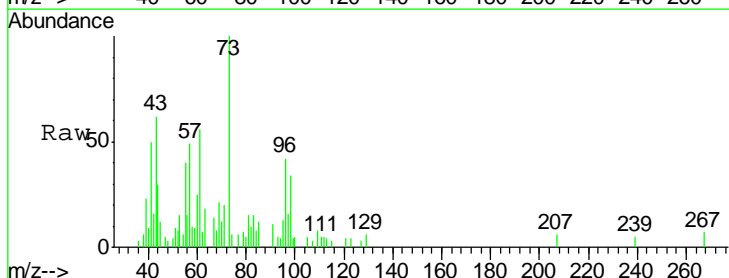
Ion	Ratio	Lower	Upper
84	100		
49	115.8	103.8	155.8
51	37.0	32.0	48.0
86	55.6	51.6	77.4

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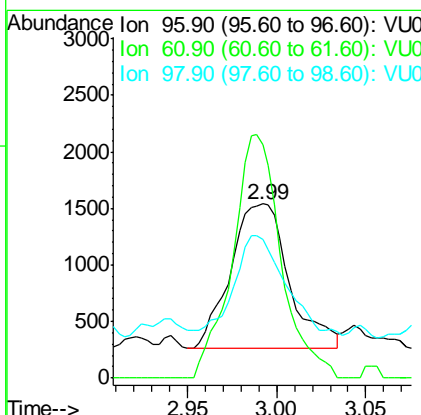
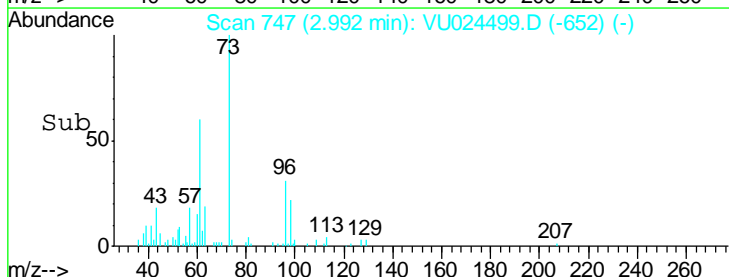


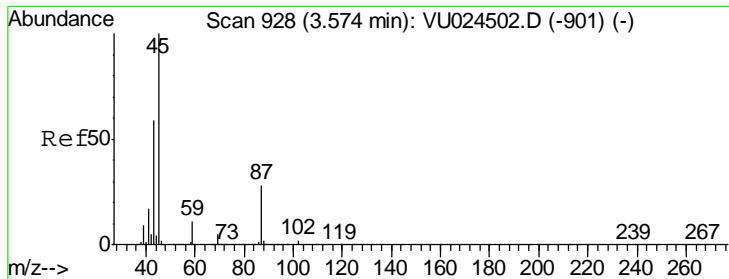
#21
 trans-1,2-Dichloroethene
 Concen: 0.973 ug/l
 RT: 2.99 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



Tgt Ion: 96 Resp: 2911

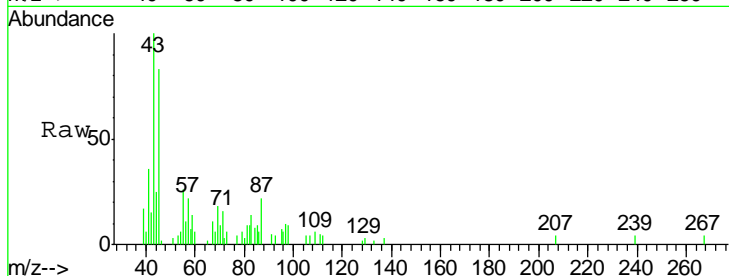
Ion	Ratio	Lower	Upper
96	100		
61	161.8	119.4	179.0
98	64.2	51.1	76.7





#22
 Diisopropyl ether
 Concen: 0.955 ug/l
 RT: 3.58 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

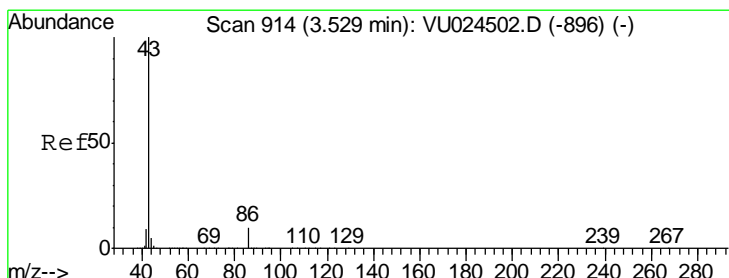
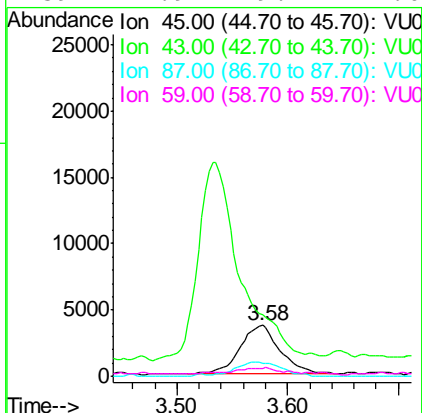
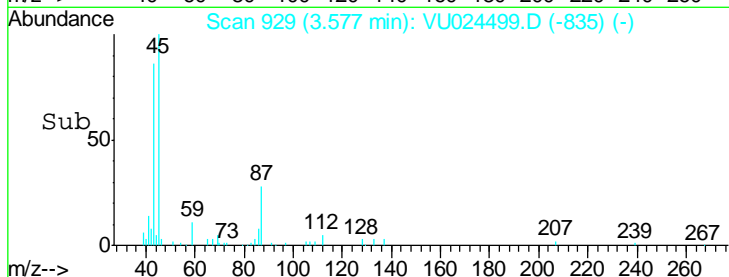
Instrument : MSVOA_U
 ClientSampled : VSTDIC001



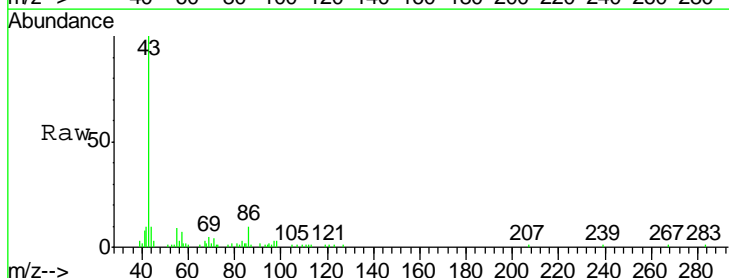
Tgt Ion	Resp	Lower	Upper
45	100		
43	74.2	45.8	68.6#
87	27.8	20.6	31.0
59	12.9	9.4	14.0

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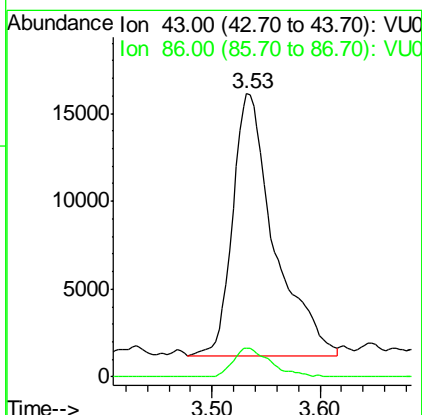
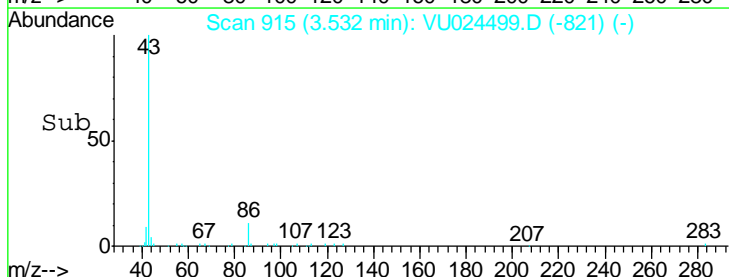
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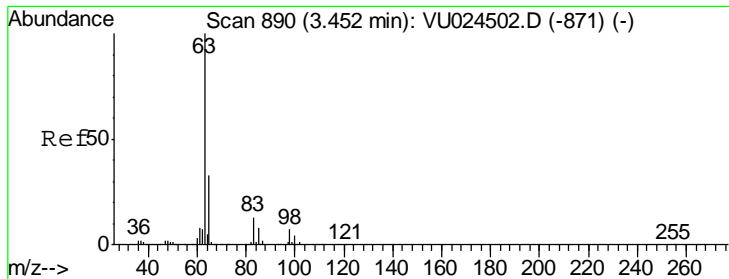


#23
 Vinyl Acetate
 Concen: 5.709 ug/l
 RT: 3.53 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



Tgt Ion	Resp	Lower	Upper
43	100		
86	11.2	7.8	11.8





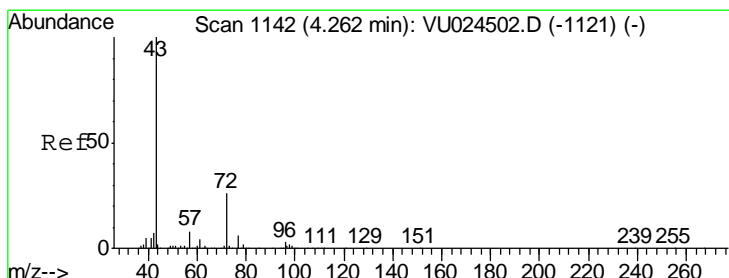
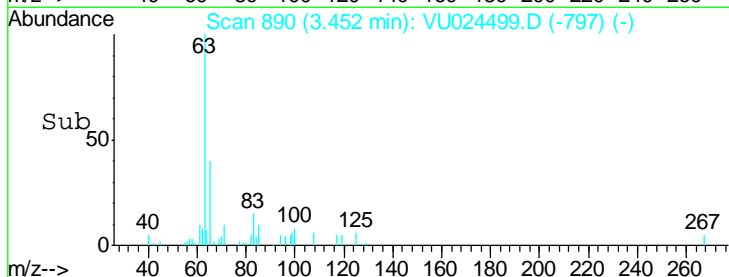
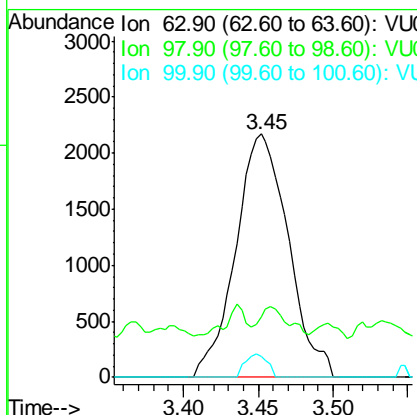
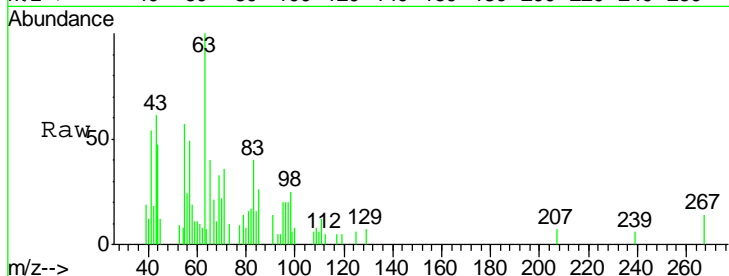
#24
 1,1-Dichloroethane
 Concen: 0.891 ug/l
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.1	3.5	10.4
100	8.5	1.8	5.5#

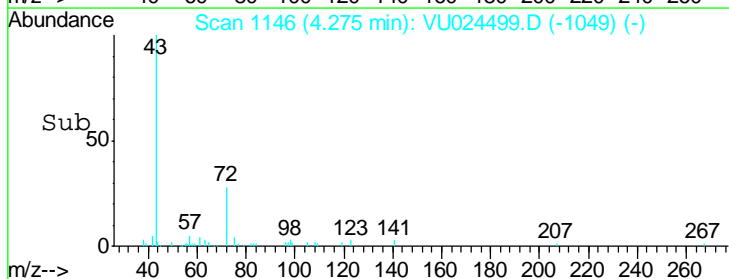
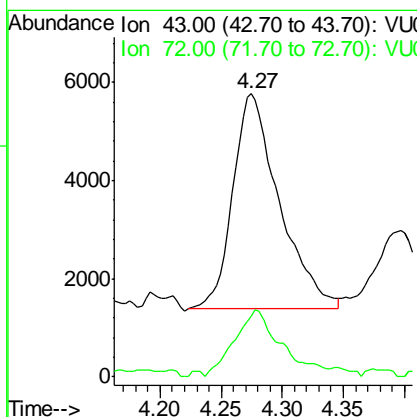
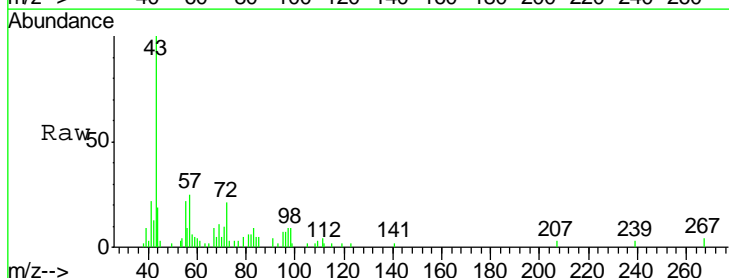
Manual Integrations
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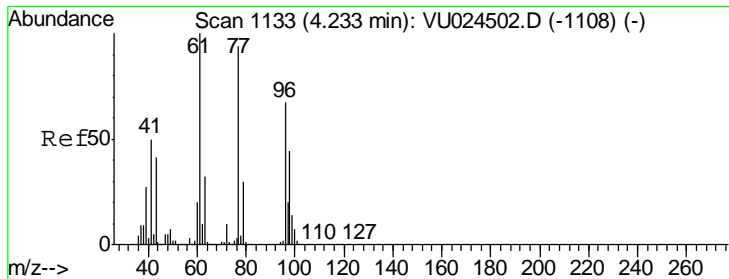
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#25
 2-Butanone
 Concen: 3.851 ug/l
 RT: 4.27 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
43	100		
72	28.1	19.6	29.4



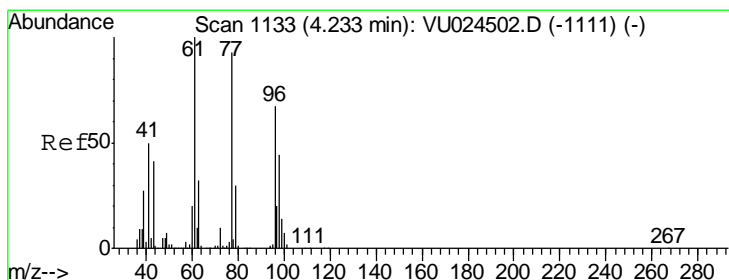
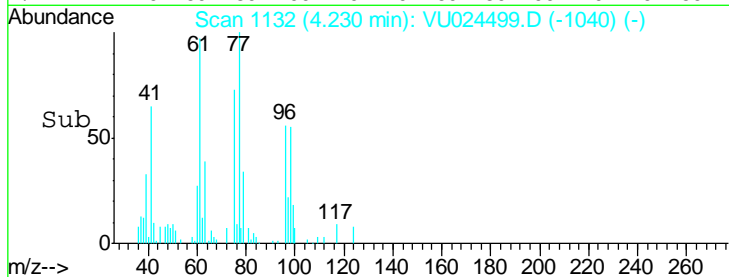
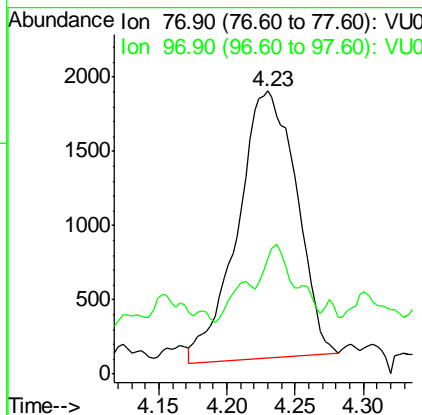
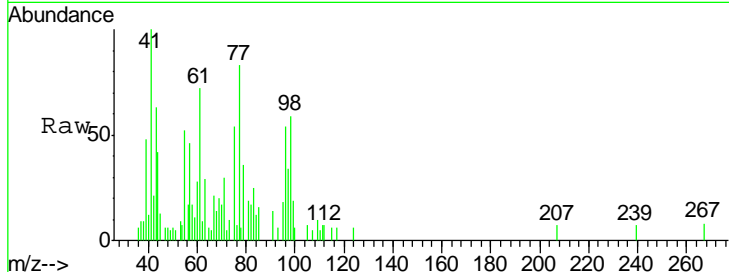


#26
 2,2-Dichloropropane
 Concen: 1.186 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
77	5399		
77	100		
97	14.0	11.3	33.8

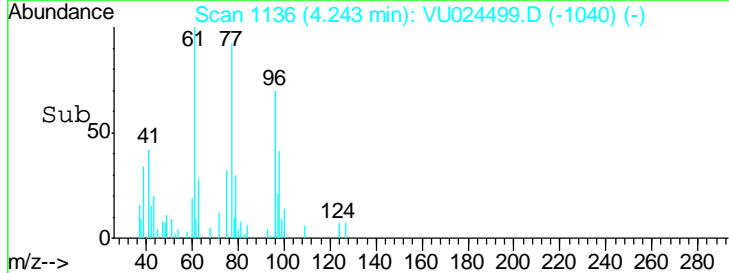
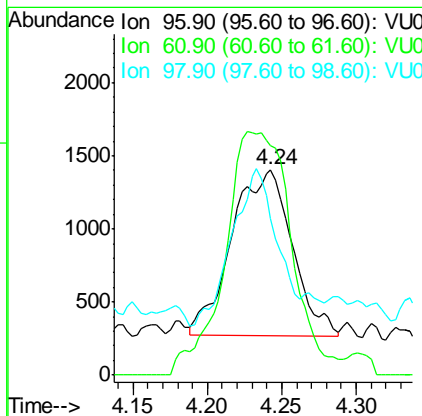
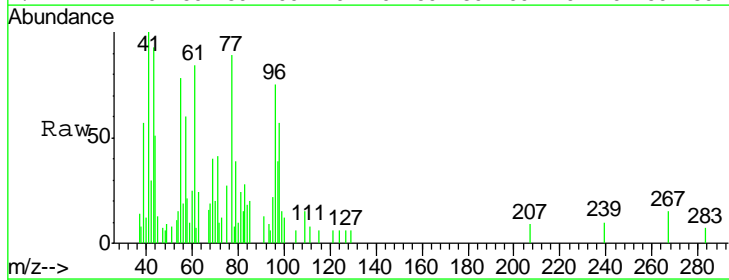
Instrument : MSVOA_U
 Client Sampled : VSTDIC001

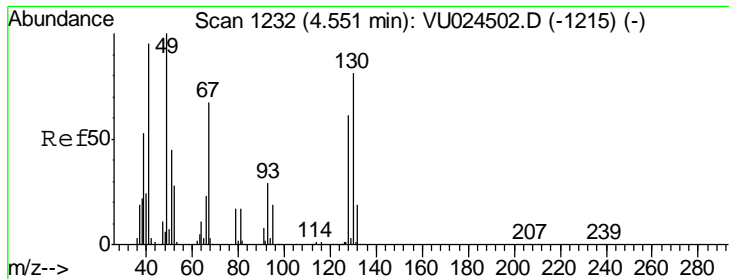
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#27
 cis-1,2-Dichloroethene
 Concen: 0.990 ug/l m
 RT: 4.24 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
96	3220		
96	100		
61	7.0	0.0	306.6
98	5.3	0.0	128.8





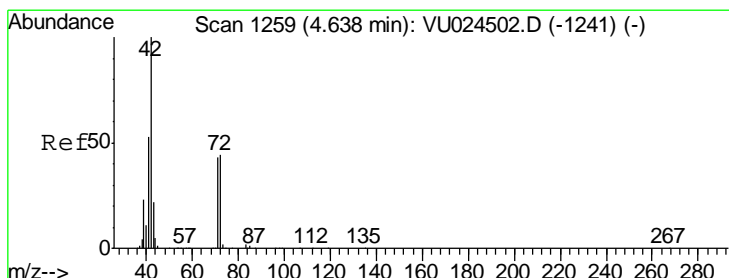
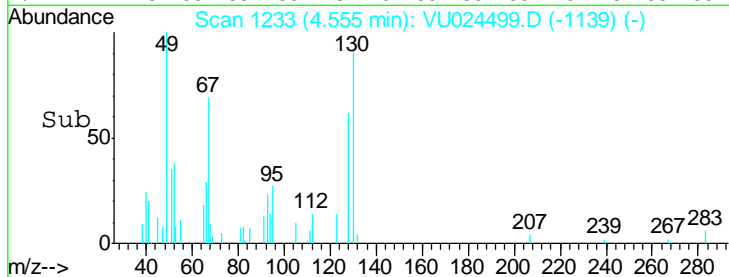
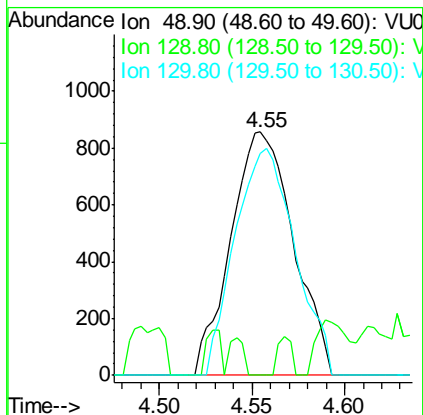
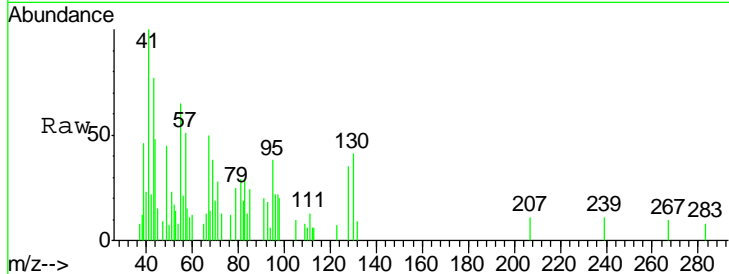
#28
 Bromochloromethane
 Concen: 0.920 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
49	100		
129	3.5	0.0	3.8
130	89.3	57.8	86.6#

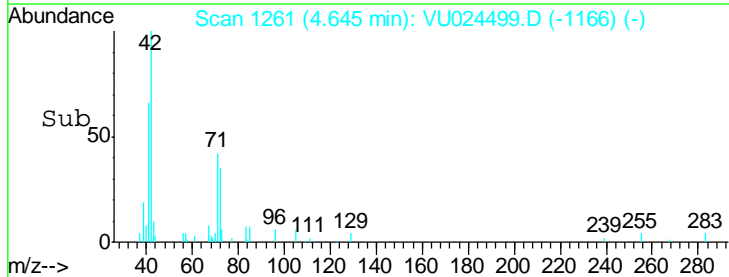
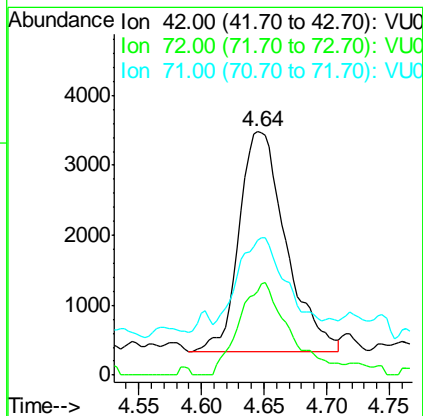
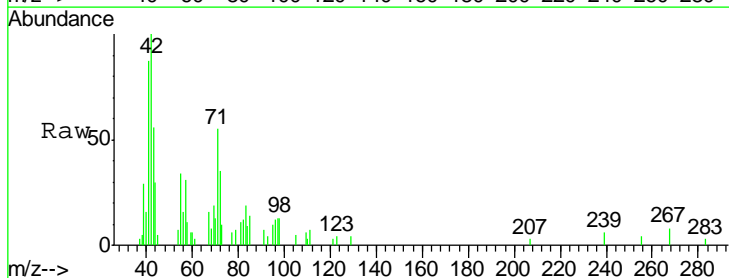
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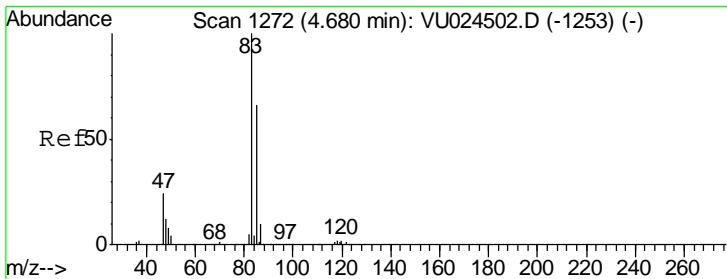
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#29
 Tetrahydrofuran
 Concen: 4.741 ug/l
 RT: 4.64 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

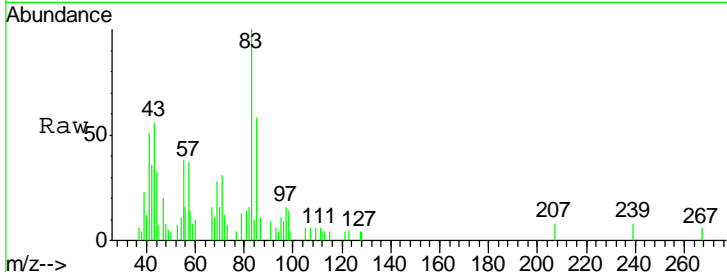
Tgt Ion	Resp	Lower	Upper
42	100		
72	45.7	34.5	51.7
71	45.7	32.2	48.4





#30
 Chloroform
 Concen: 0.915 ug/l
 RT: 4.68 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

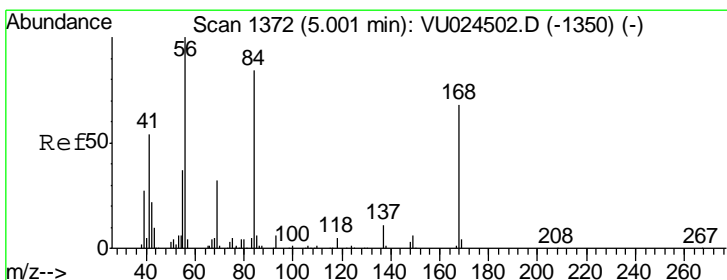
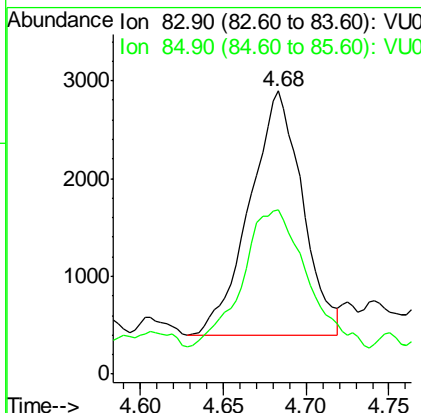
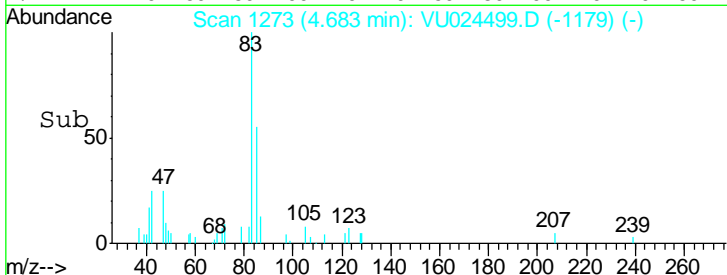


Tgt Ion: 83 Resp: 535

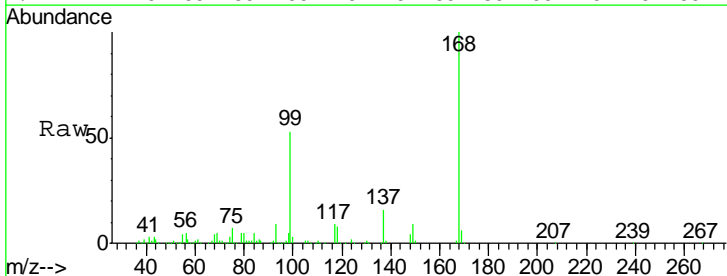
Ion	Ratio	Lower	Upper
83	100		
85	56.0	52.4	78.6

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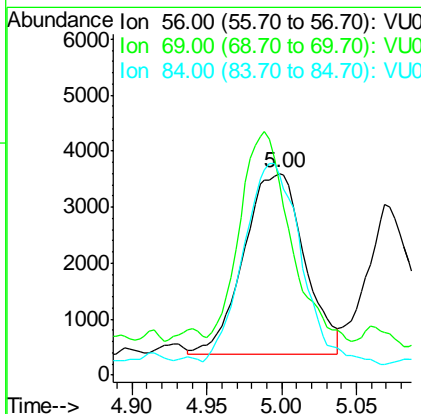
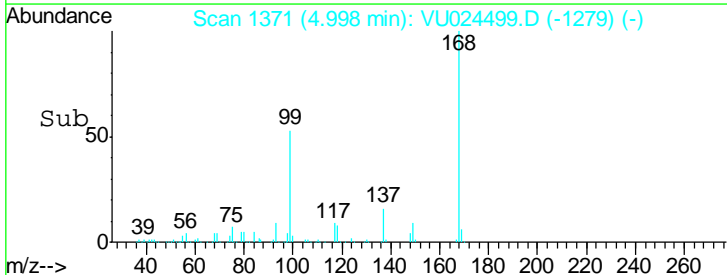


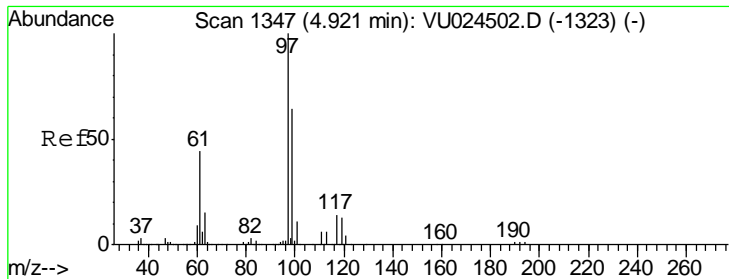
#31
 Cyclohexane
 Concen: 1.544 ug/l
 RT: 5.00 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



Tgt Ion: 56 Resp: 9141

Ion	Ratio	Lower	Upper
56	100		
69	82.7	24.8	37.2#
84	102.8	65.2	97.8#





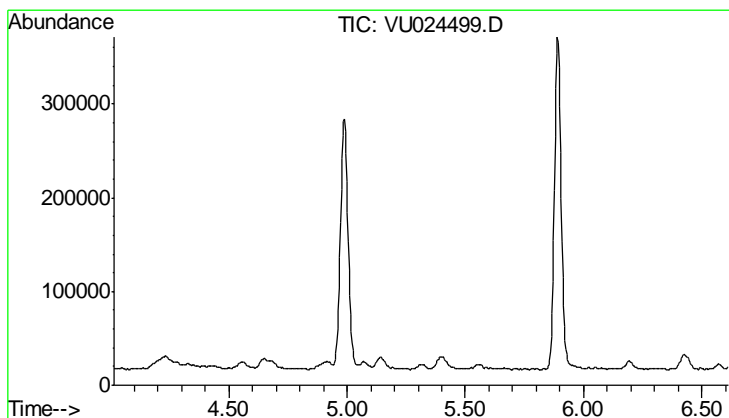
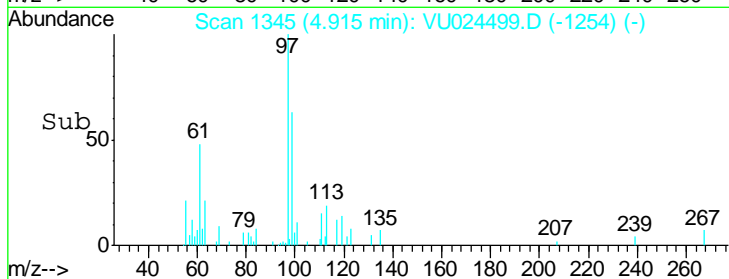
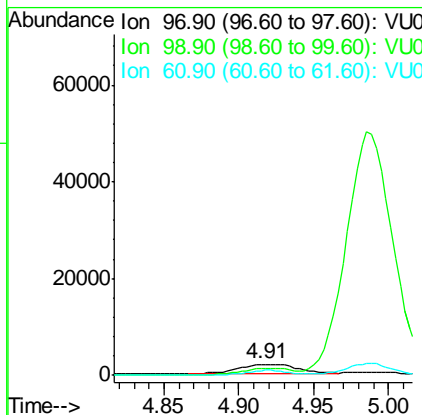
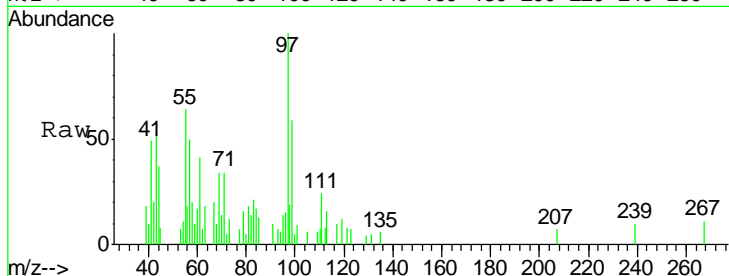
#32
 1,1,1-Trichloroethane
 Concen: 1.095 ug/l
 RT: 4.91 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
97	100		
99	68.2	51.0	76.6
61	43.7	39.4	59.0

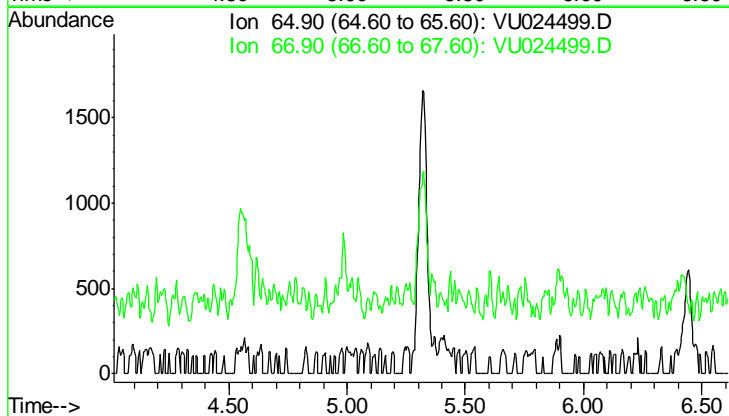
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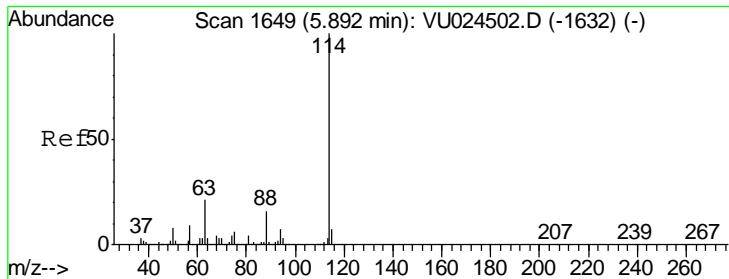
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#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 5.31 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Exp Ratio
65	100
67	53.5





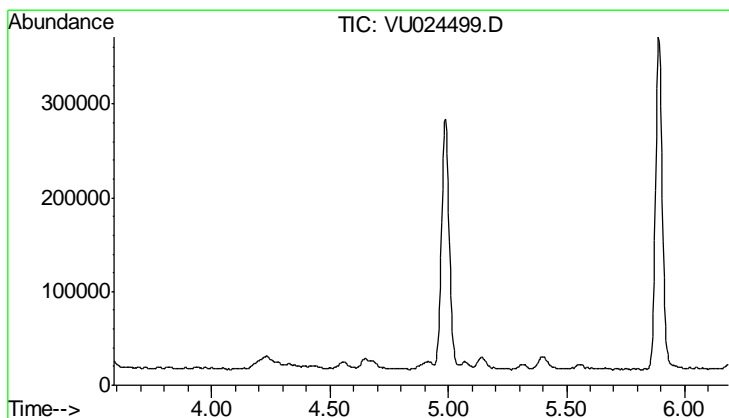
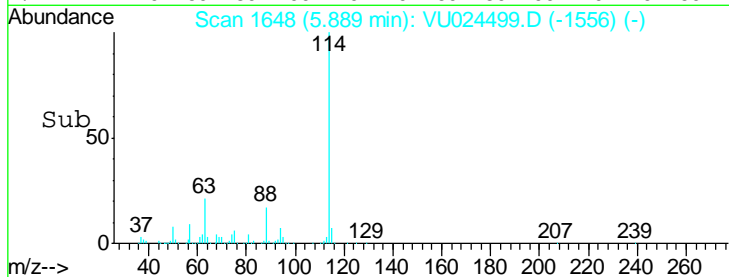
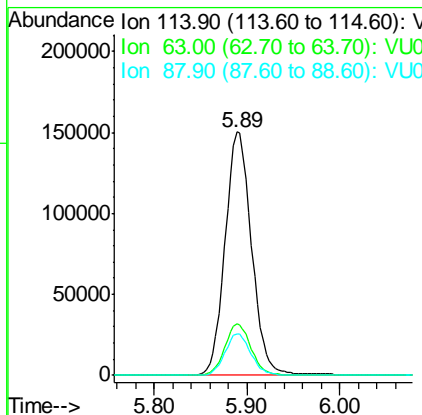
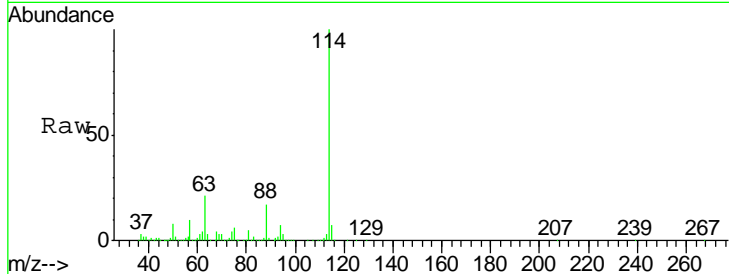
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
114	299246		
63	21.2	0.0	45.4
88	17.1	0.0	31.0

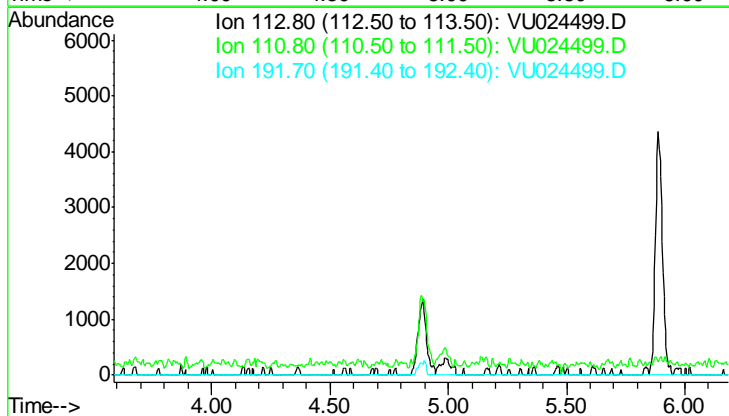
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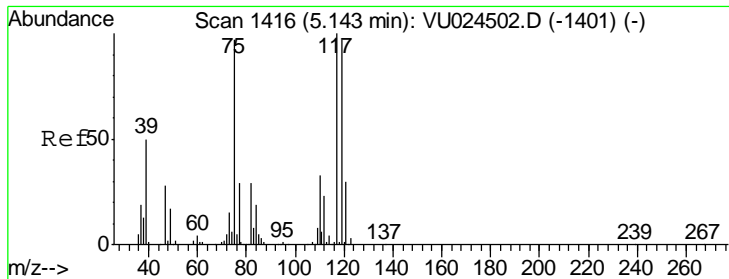
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#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.89 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Exp Ratio
113	100
111	102.8
192	20.3





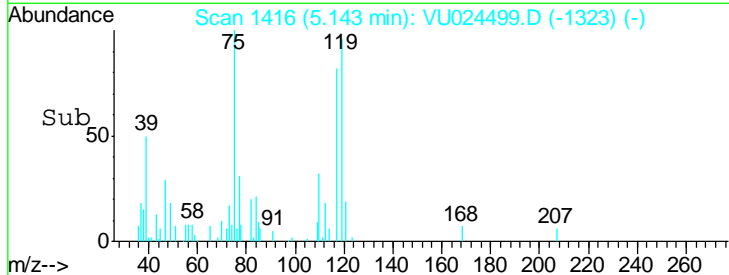
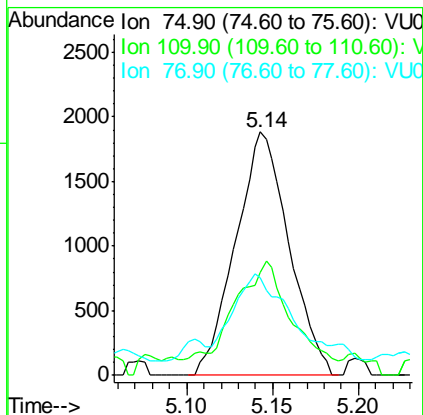
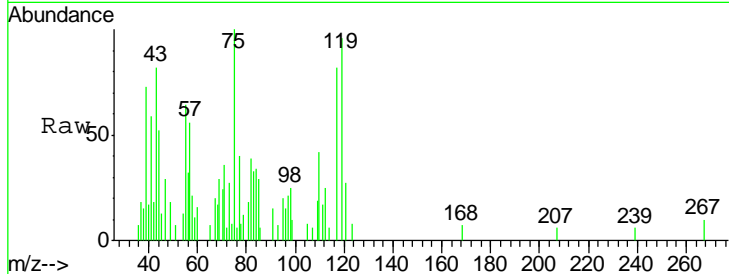
#36
 1,1-Dichloropropene
 Concen: 0.951 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	100		
110	54.3	17.0	50.9#
77	39.6	24.2	36.4#

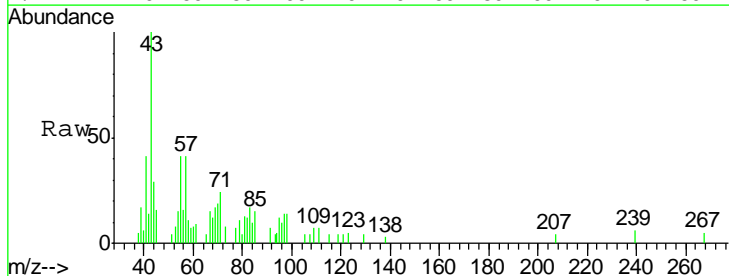
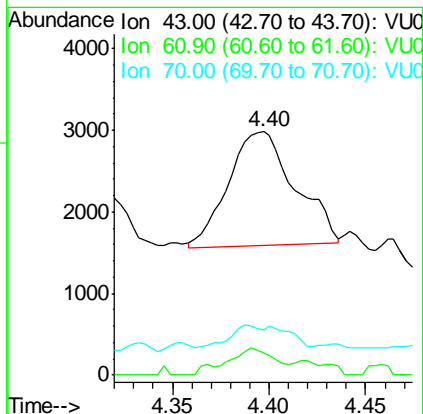
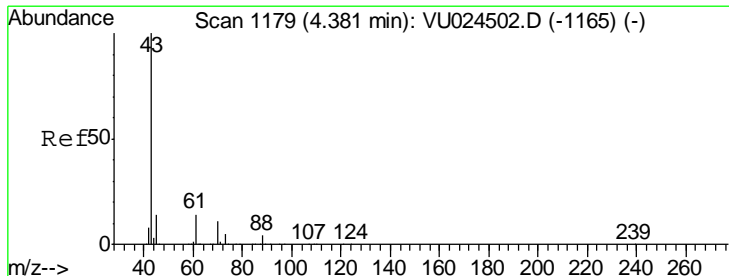
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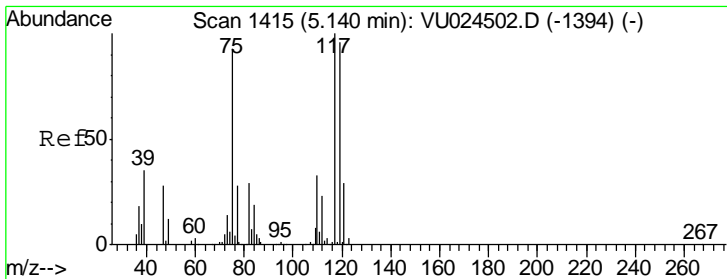
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 6/14/2018 9:44:16 AM



#37
 Ethyl Acetate
 Concen: 0.703 ug/l
 RT: 4.40 min Scan# 1184
 Delta R.T. 0.02 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

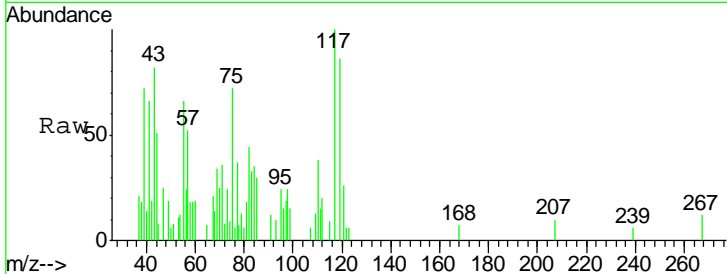
Tgt Ion	Resp	Lower	Upper
43	100		
61	17.0	10.5	15.7#
70	8.5	7.4	11.2





#38
 Carbon Tetrachloride
 Concen: 1.053 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

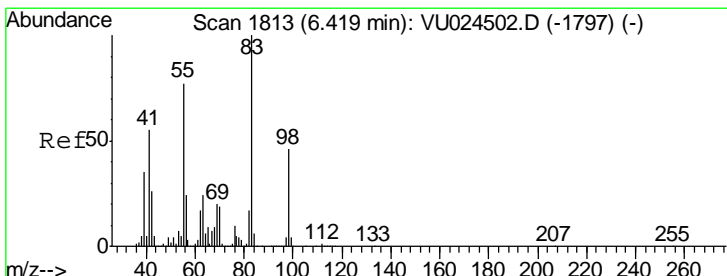
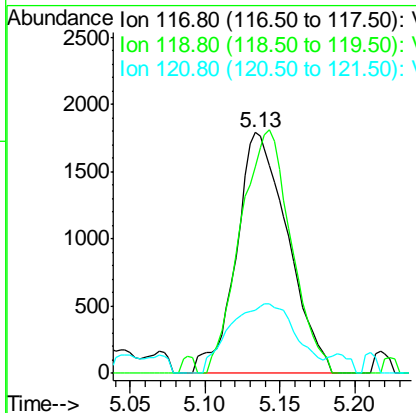
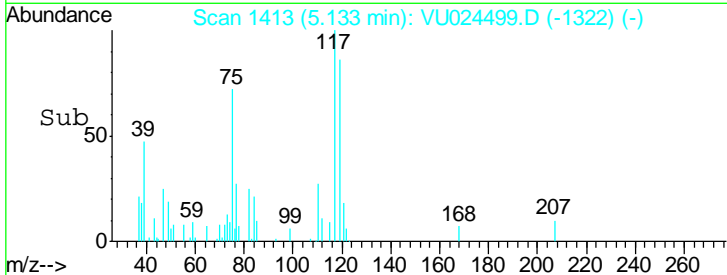
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



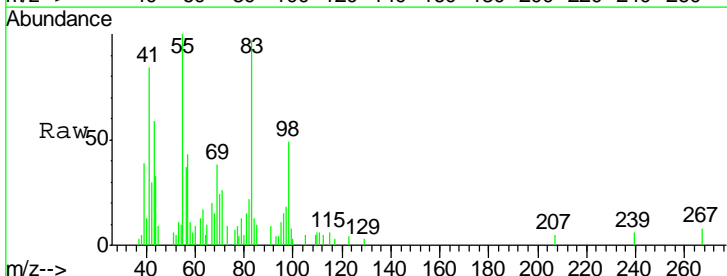
Tgt Ion: 117 Resp: 4282

Ion	Ratio	Lower	Upper
117	100		
119	85.9	76.1	114.1
121	26.4	23.7	35.5

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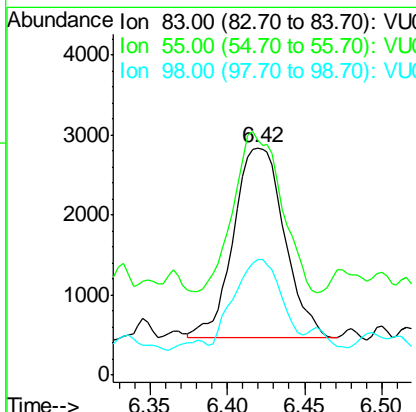
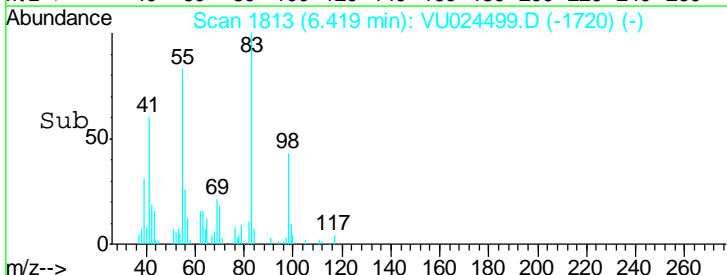


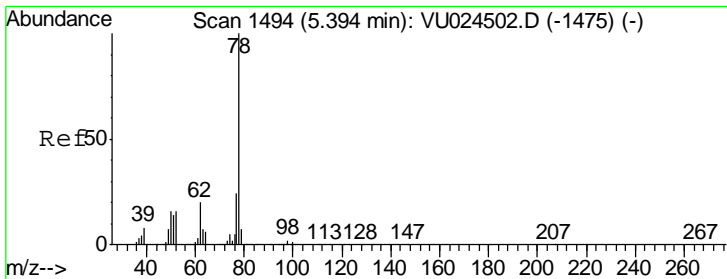
#39
 Methylcyclohexane
 Concen: 1.179 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



Tgt Ion: 83 Resp: 5442

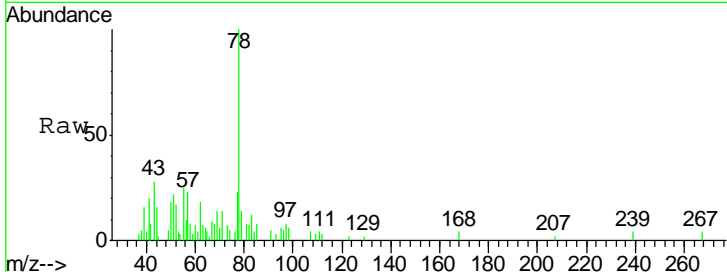
Ion	Ratio	Lower	Upper
83	100		
55	78.5	65.8	98.6
98	45.4	36.7	55.1





#40
 Benzene
 Concen: 0.871 ug/l
 RT: 5.40 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

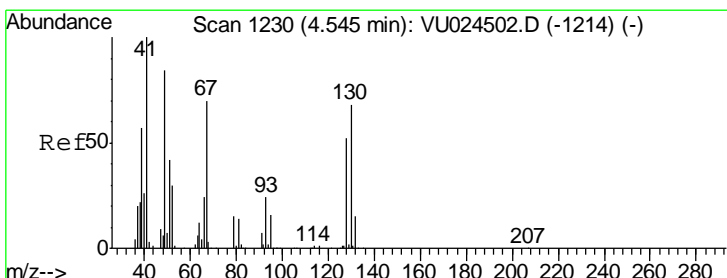
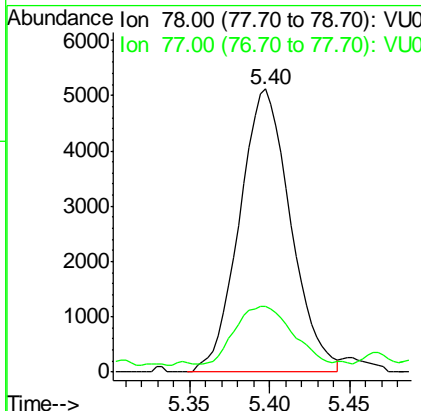
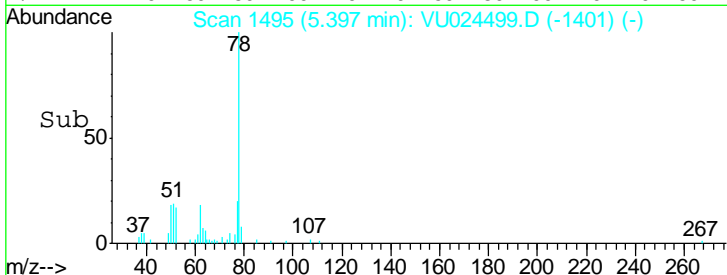
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



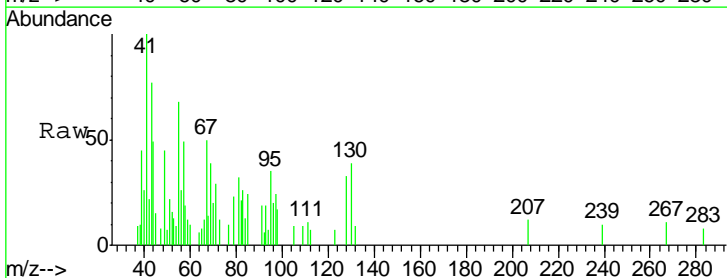
Tgt Ion: 78 Resp: 11206
 Ion Ratio Lower Upper
 78 100
 77 19.9 19.2 28.8

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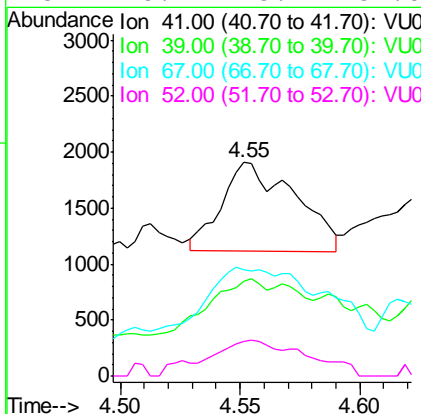
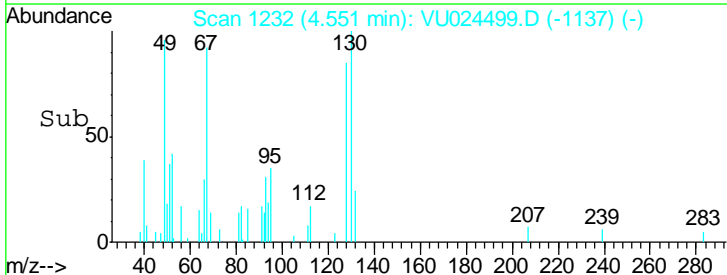
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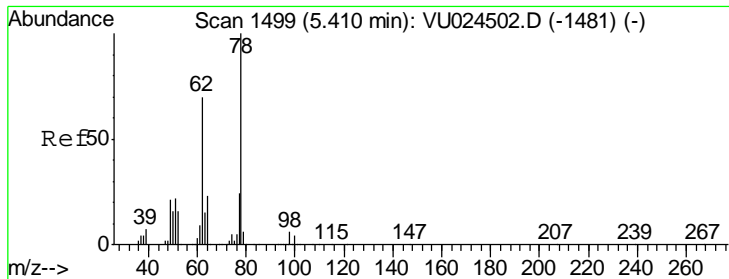


#41
 Methacrylonitrile
 Concen: 0.634 ug/l m
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



Tgt Ion: 41 Resp: 1701
 Ion Ratio Lower Upper
 41 100
 39 47.4 43.8 65.6
 67 84.7 56.3 84.5#
 52 48.1 23.2 34.8#





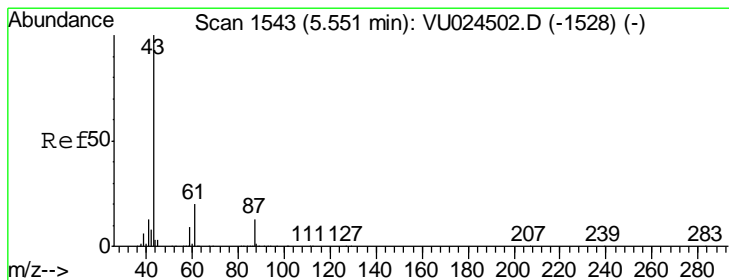
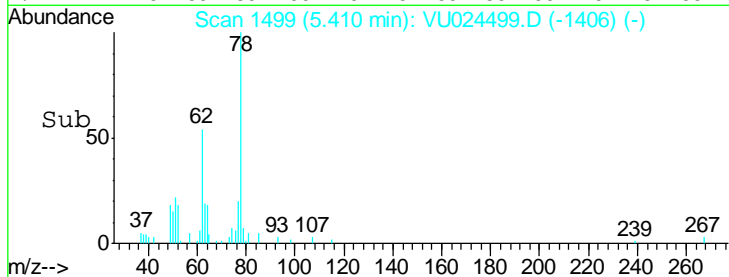
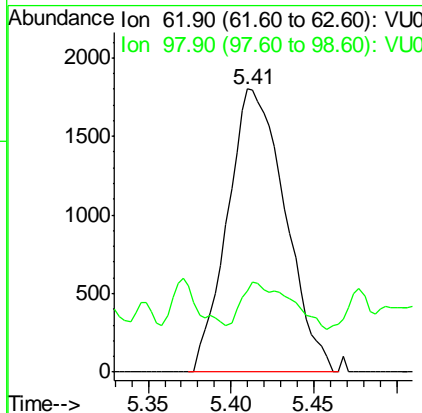
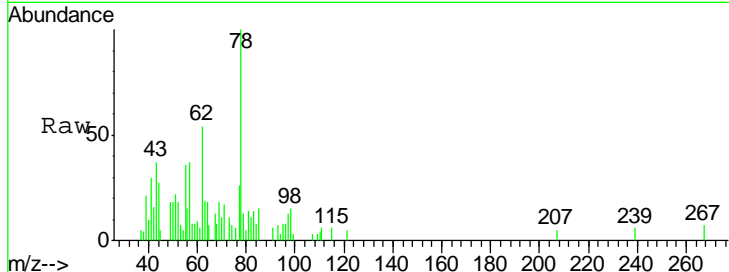
#42
 1,2-Dichloroethane
 Concen: 0.884 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
62	100		
98	13.9	0.0	16.6

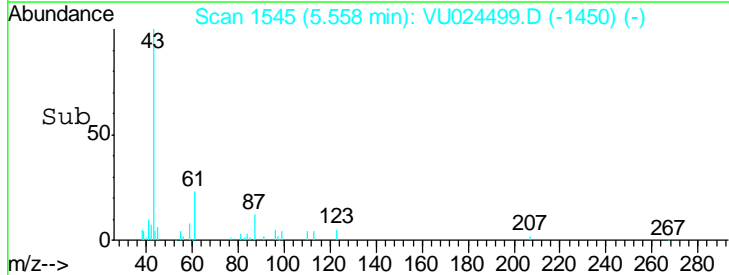
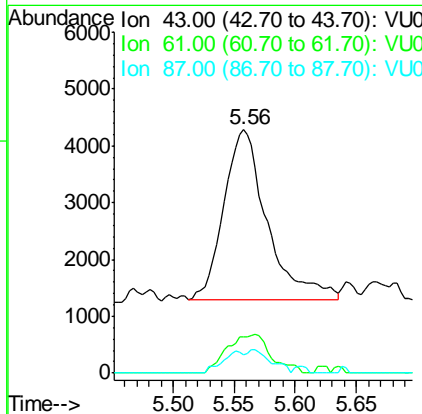
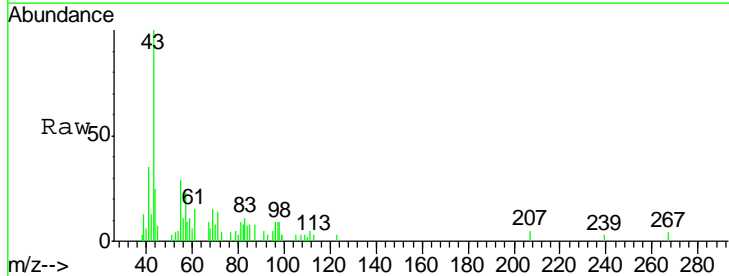
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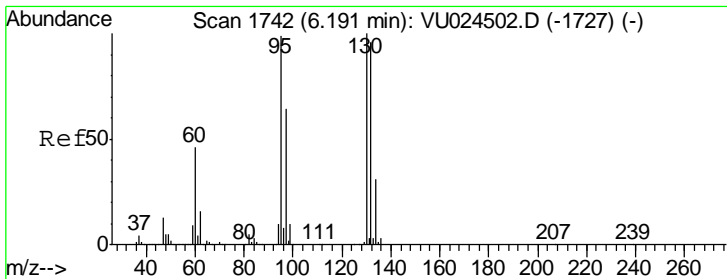
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#43
 Isopropyl Acetate
 Concen: 1.022 ug/l
 RT: 5.56 min Scan# 1545
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

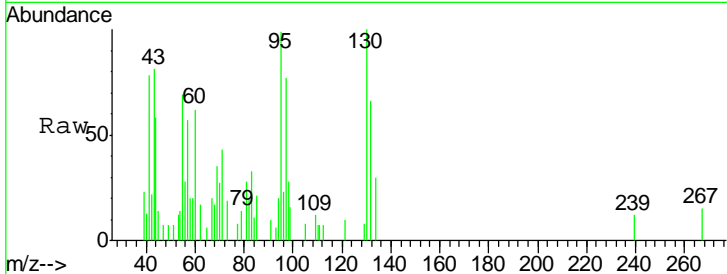
Tgt Ion	Resp	Lower	Upper
43	100		
61	22.8	15.4	23.0
87	6.4	10.0	15.0#





#44
 Trichloroethene
 Concen: 1.029 ug/l
 RT: 6.20 min Scan# 1744
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

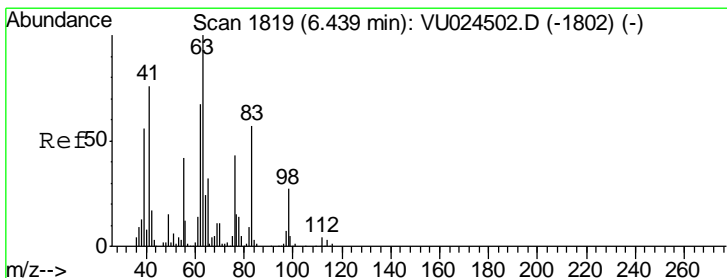
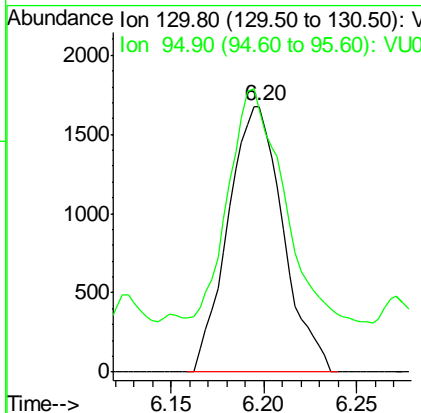
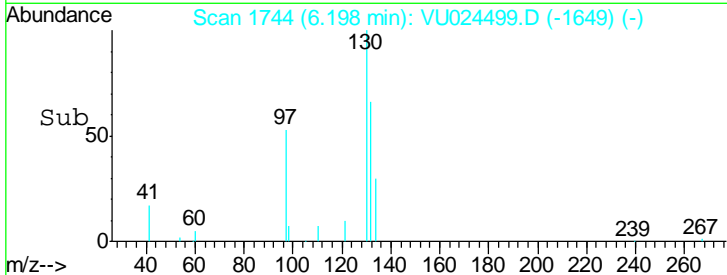
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



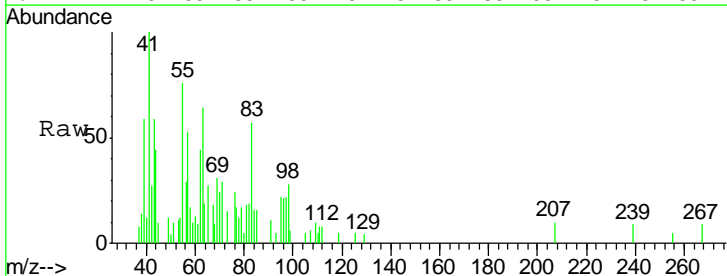
Tgt Ion: 130 Resp: 3452
 Ion Ratio Lower Upper
 130 100
 95 78.8 0.0 202.4

Manual Integrations
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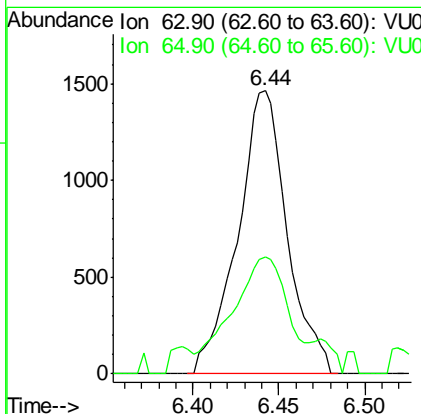
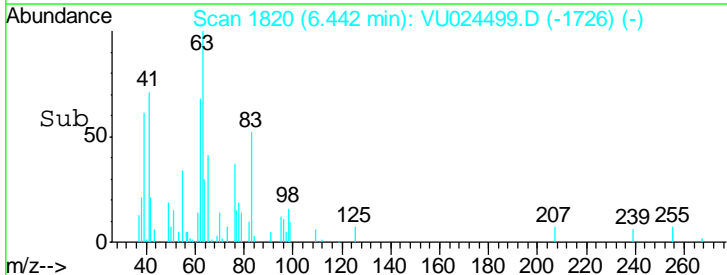
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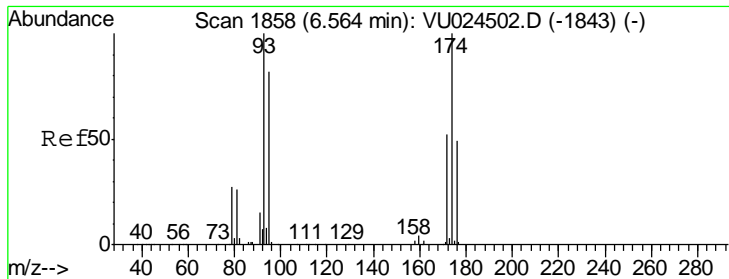


#45
 1,2-Dichloropropane
 Concen: 0.846 ug/l
 RT: 6.44 min Scan# 1820
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



Tgt Ion: 63 Resp: 2925
 Ion Ratio Lower Upper
 63 100
 65 34.4 24.8 37.2





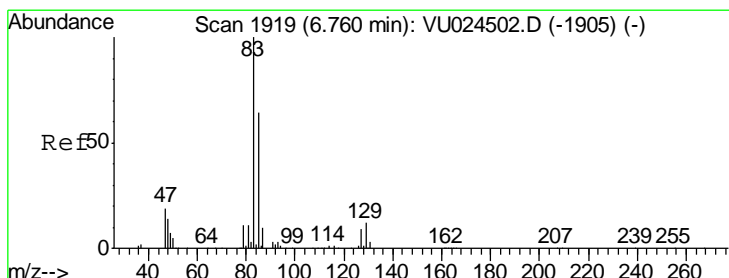
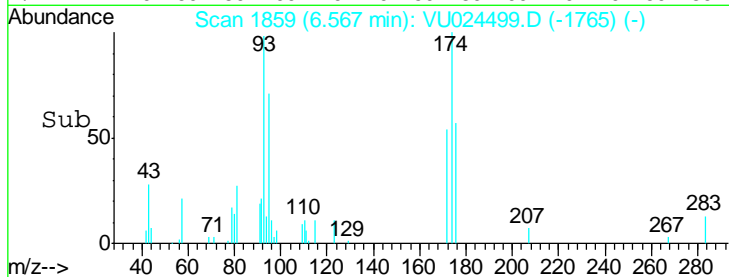
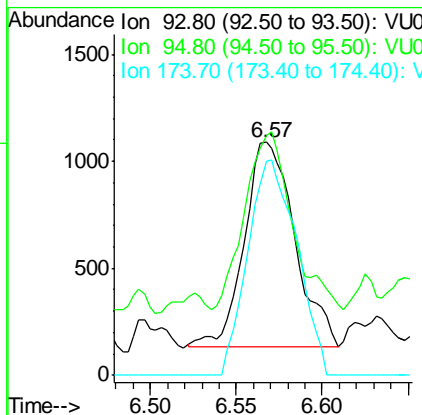
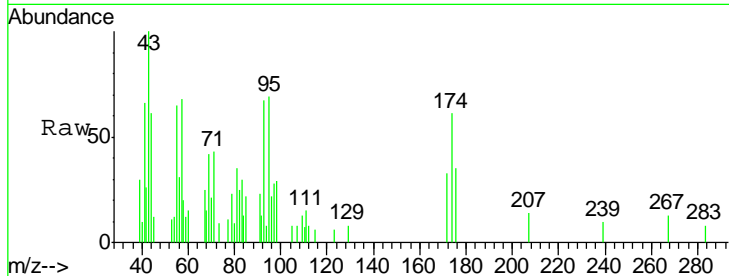
#46
 Dibromomethane
 Concen: 0.847 ug/l
 RT: 6.57 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
93	1939		
93	100		
95	81.0	65.5	98.3
174	102.5	78.7	118.1

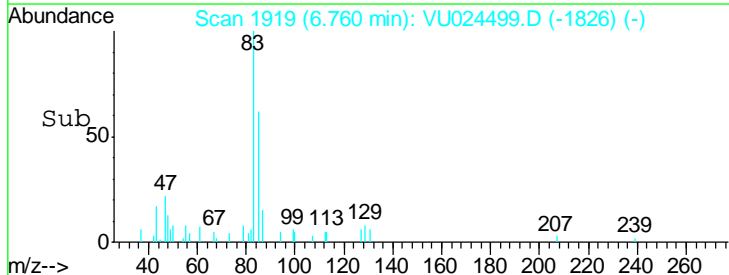
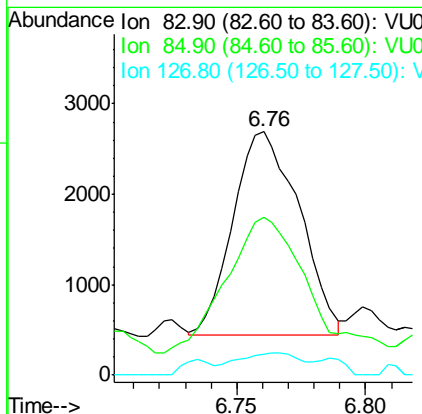
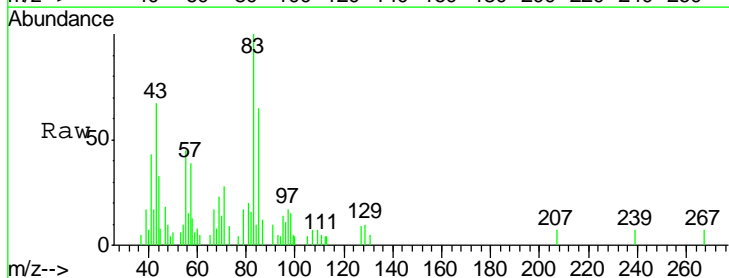
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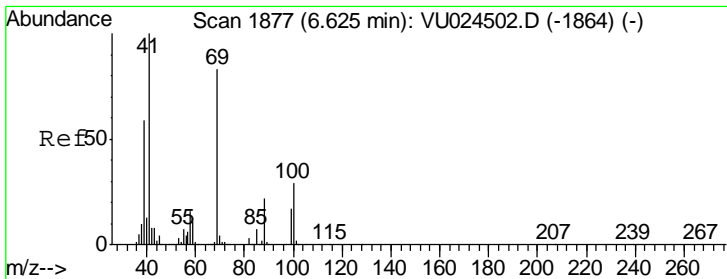
MMDadoda
 6/14/2018 9:44:16 AM



#47
 Bromodichloromethane
 Concen: 0.906 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
83	4016		
83	100		
85	61.3	51.9	77.9
127	4.3	6.6	9.8#





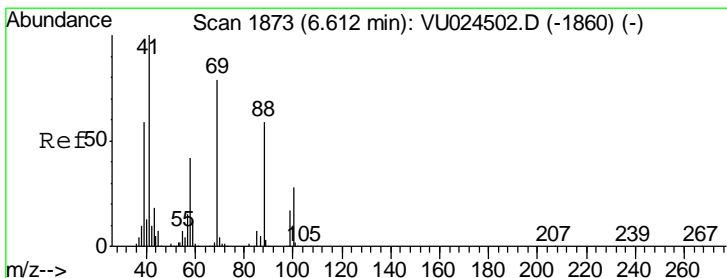
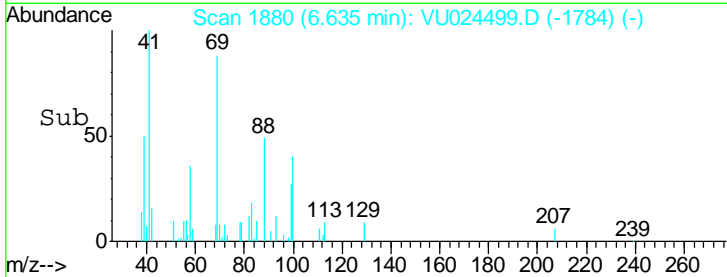
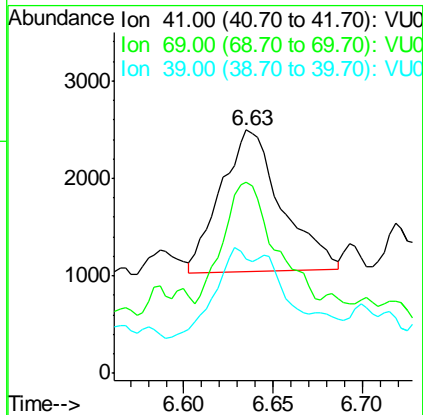
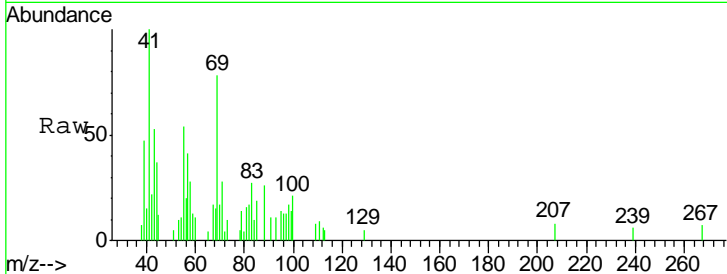
#48
 Methyl methacrylate
 Concen: 0.966 ug/l
 RT: 6.63 min Scan# 1880
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
41	100		
69	75.8	67.3	100.9
39	37.2	46.5	69.7#

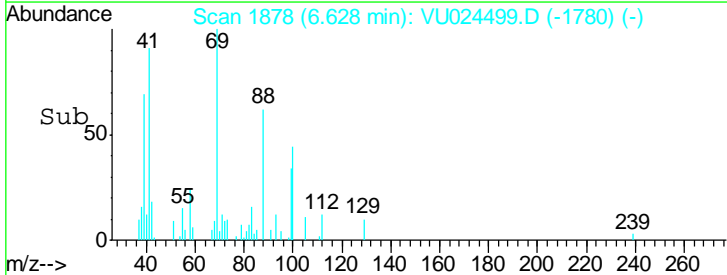
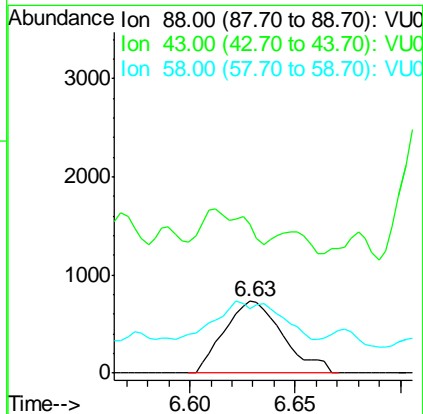
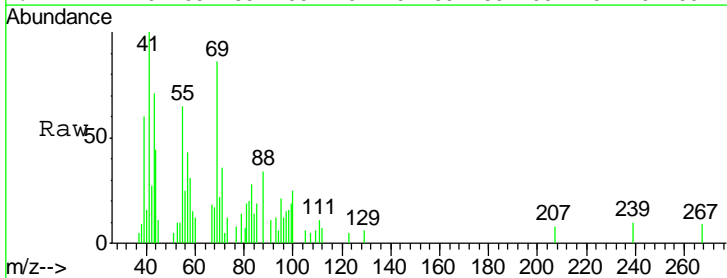
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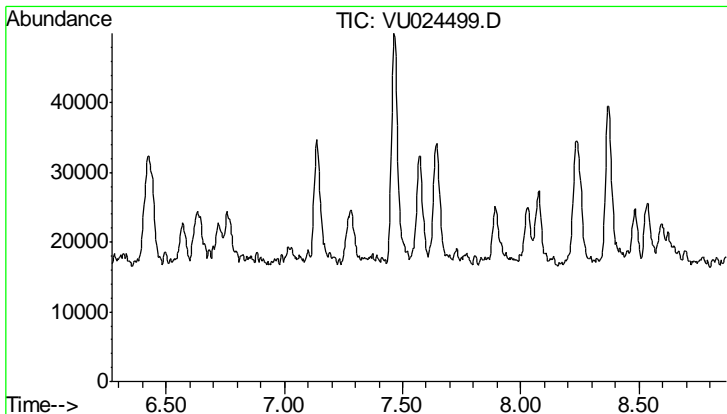
MMDadoda
 6/14/2018 9:44:16 AM



#49
 1,4-Dioxane
 Concen: 18.748 ug/l
 RT: 6.63 min Scan# 1878
 Delta R.T. 0.02 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
88	100		
43	32.2	28.6	42.8
58	30.6	58.2	87.4#





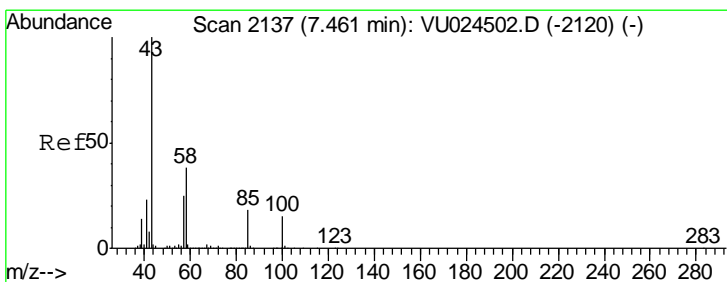
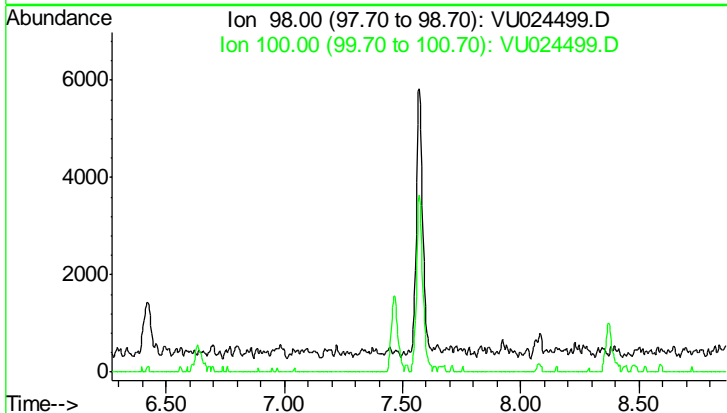
#50
 Toluene-d8
 Concen: 0.000 ug/l
 Expected RT: 7.57 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 98
 Sig Exp Ratio
 98 100
 100 63.9

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

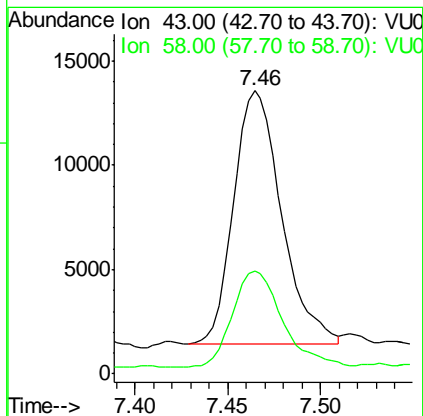
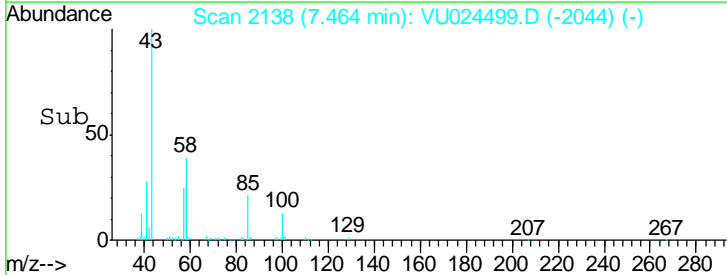
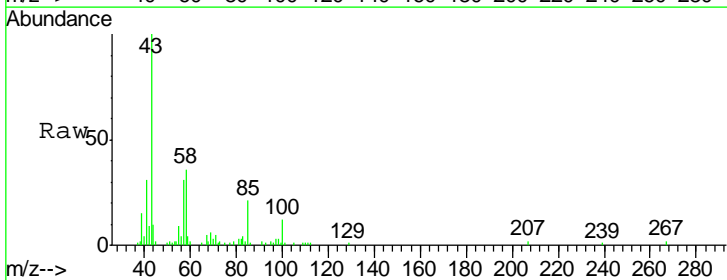
Manual Integrations
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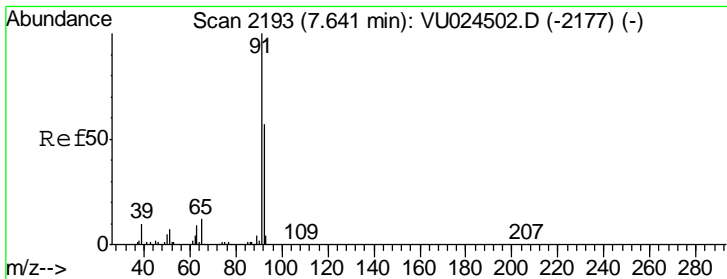
MMDadoda
 6/14/2018 9:44:16 AM



#51
 4-Methyl-2-Pentanone
 Concen: 4.120 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 43 Resp: 21678
 Ion Ratio Lower Upper
 43 100
 58 39.6 30.0 45.0





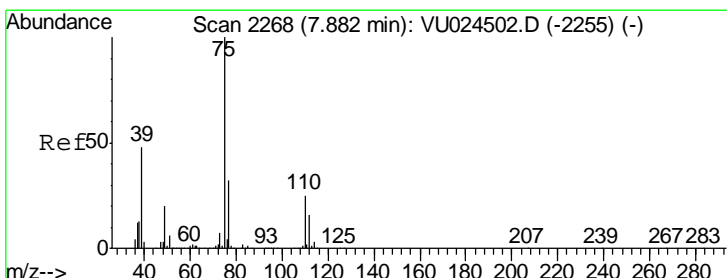
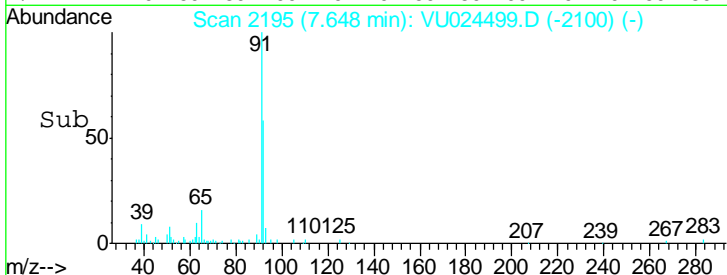
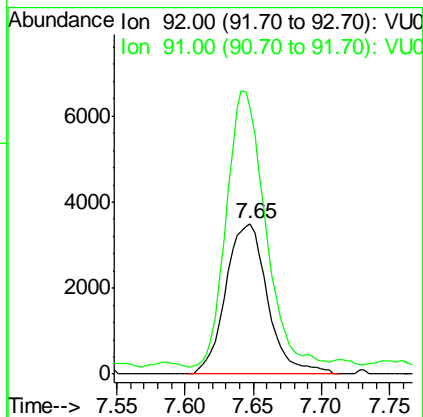
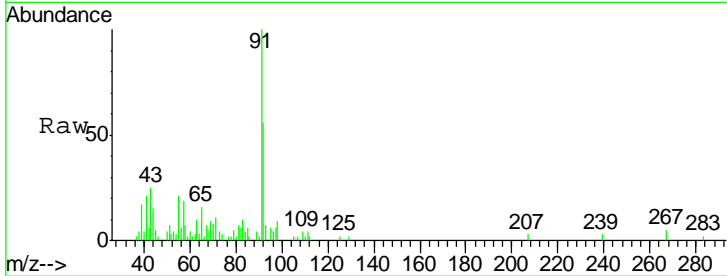
#52
 Toluene
 Concen: 0.976 ug/l
 RT: 7.65 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
92	7458		
92	100		
91	170.4	140.5	210.7

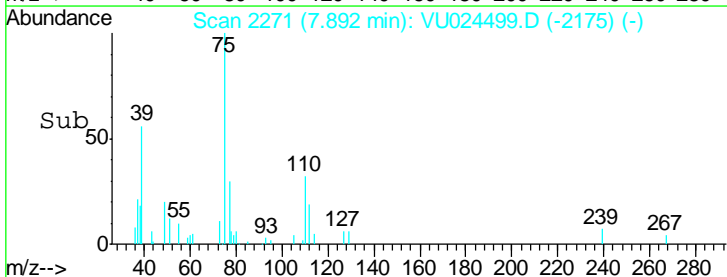
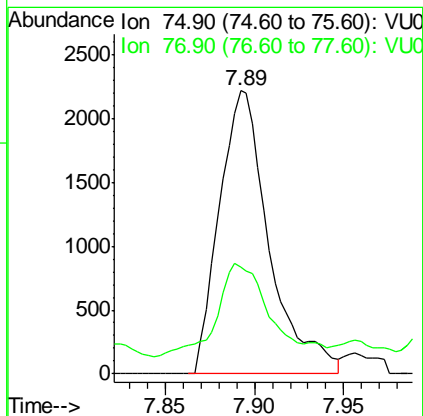
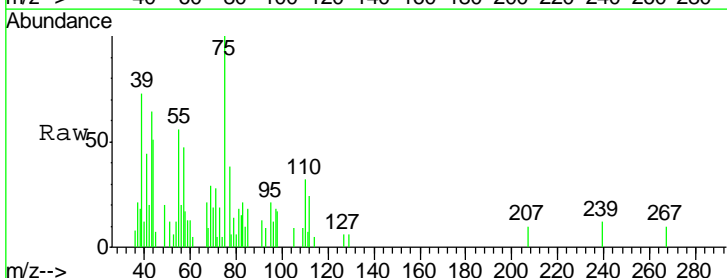
Manual Integrations
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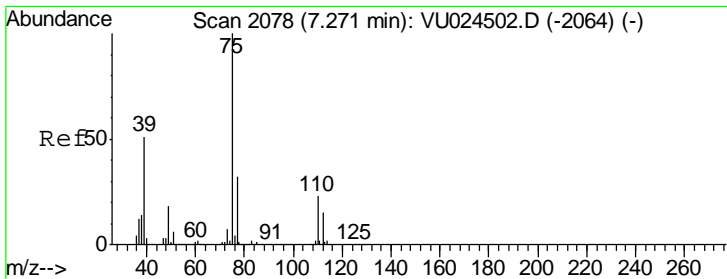
MMDadoda
 6/14/2018 9:44:16 AM



#53
 t-1,3-Dichloropropene
 Concen: 0.931 ug/l
 RT: 7.89 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
75	4290		
75	100		
77	27.9	24.8	37.2



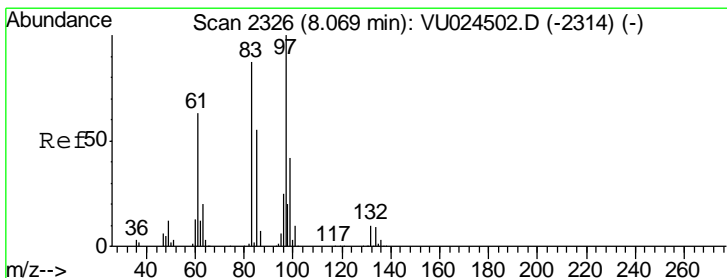
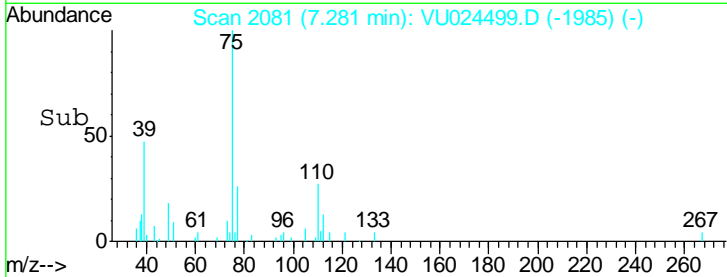
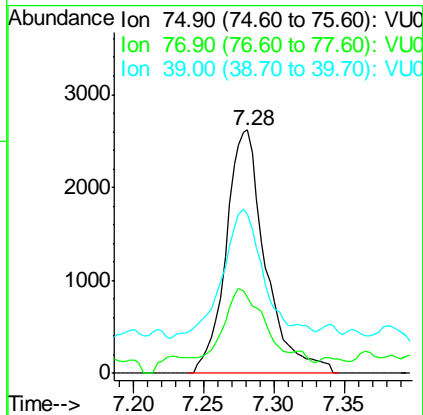
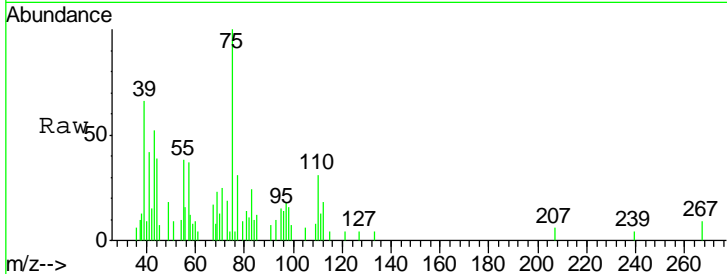


#54
 cis-1,3-Dichloropropene
 Concen: 1.016 ug/l
 RT: 7.28 min Scan# 2081
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
75	100		
77	25.3	24.6	36.8
39	48.5	39.8	59.6

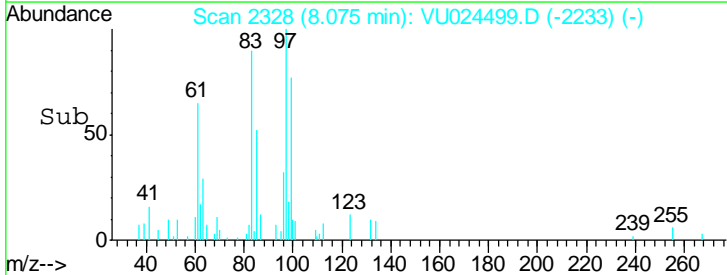
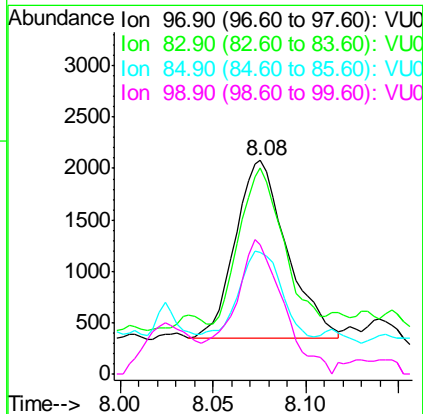
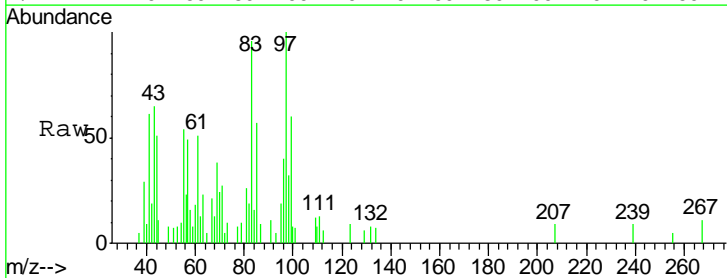
Instrument : MSVOA_U
 ClientSampled : VSTDIC001

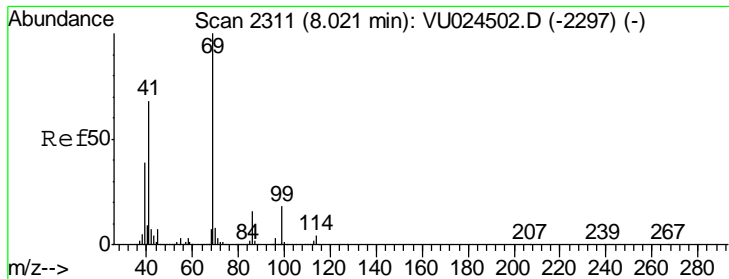
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#55
 1,1,2-Trichloroethane
 Concen: 1.018 ug/l
 RT: 8.08 min Scan# 2328
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
97	100		
83	82.4	70.5	105.7
85	45.5	46.4	69.6#
99	66.5	50.2	75.2





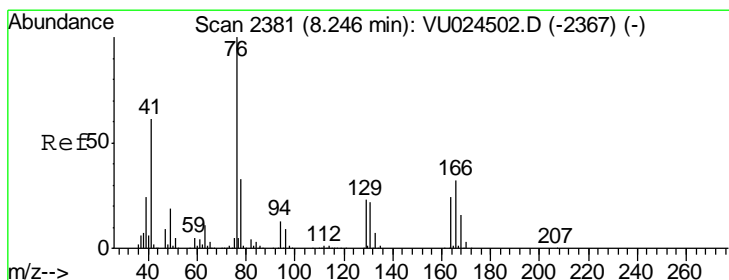
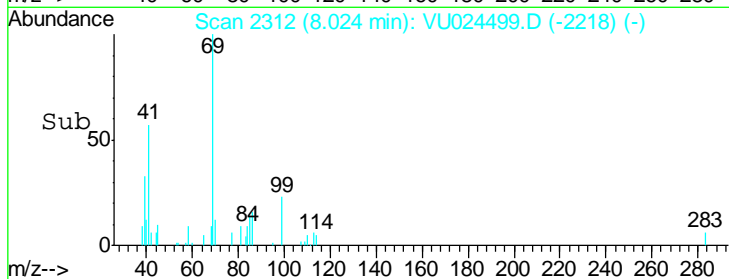
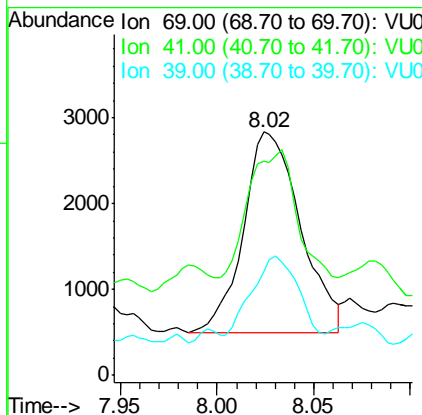
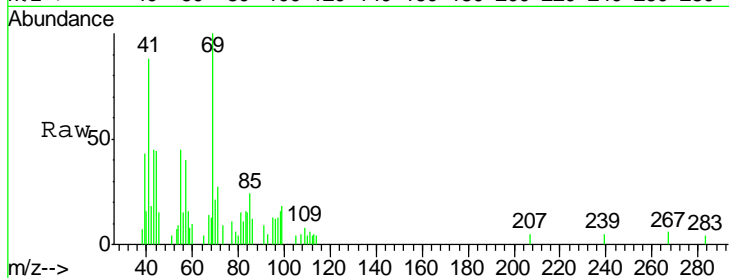
#56
 Ethyl methacrylate
 Concen: 1.121 ug/l
 RT: 8.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
69	100		
41	65.0	54.1	81.1
39	35.0	30.3	45.5

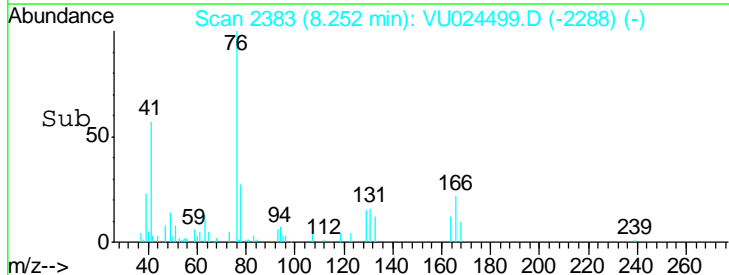
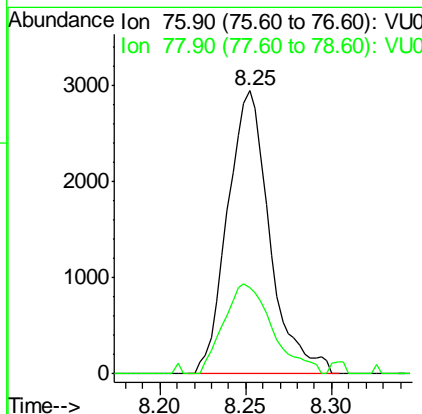
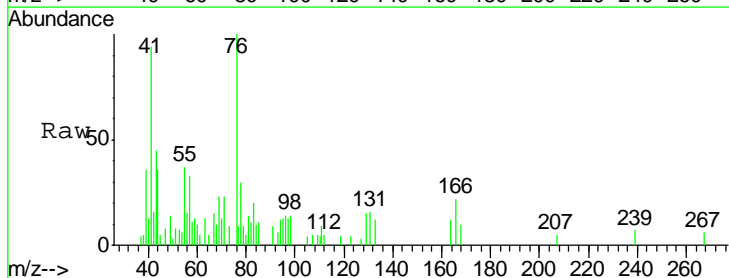
Manual Integrations
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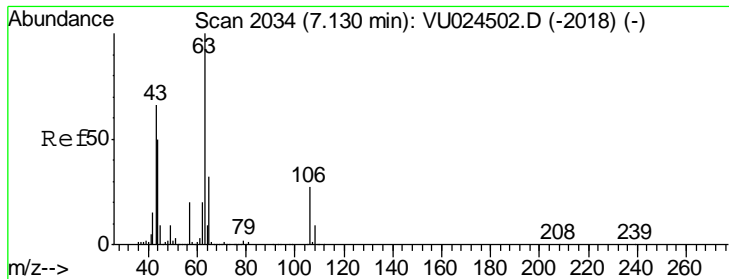
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#57
 1,3-Dichloropropane
 Concen: 0.893 ug/l
 RT: 8.25 min Scan# 2383
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
76	100		
78	36.7	25.2	37.8





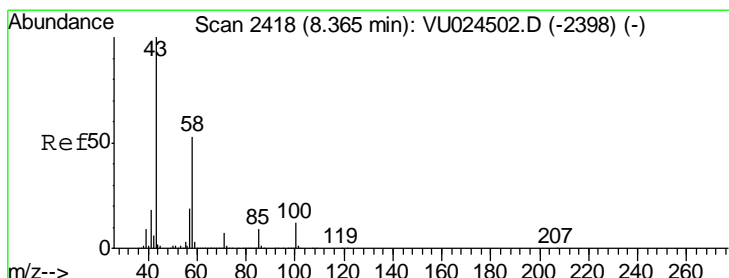
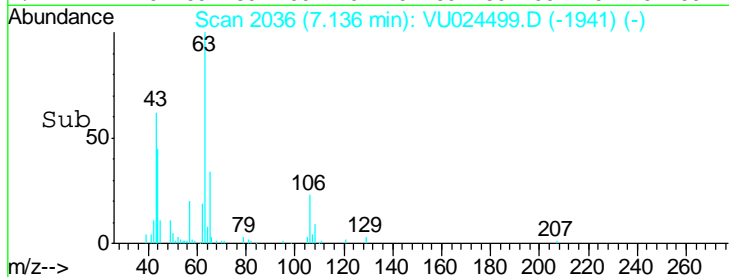
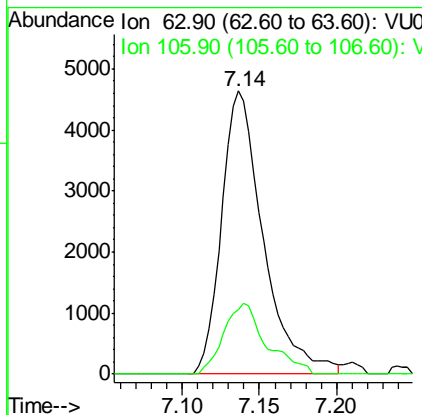
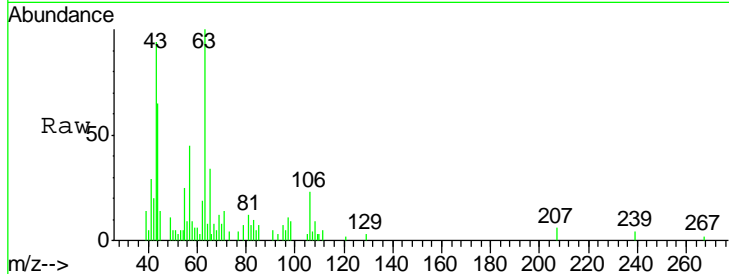
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.946 ug/l
 RT: 7.14 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
63	100		
106	25.6	20.2	30.2

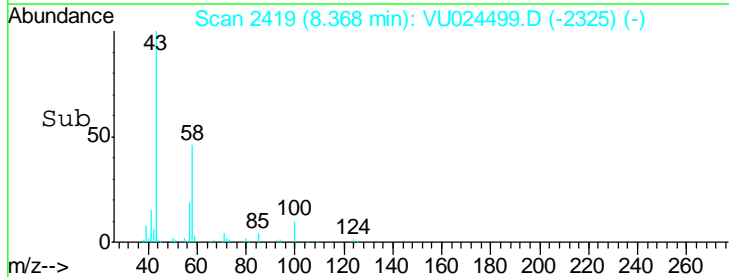
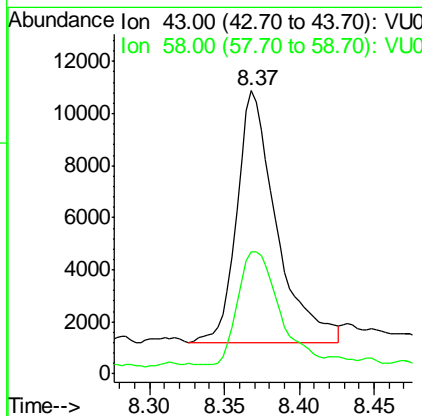
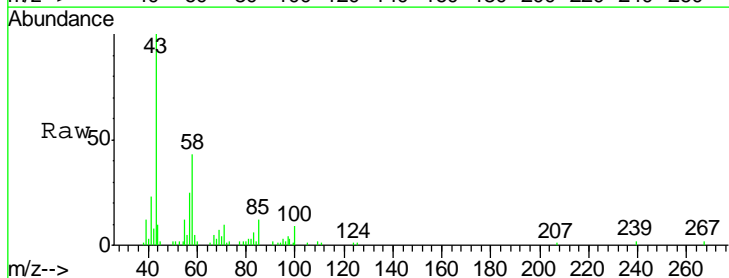
Manual Integrations
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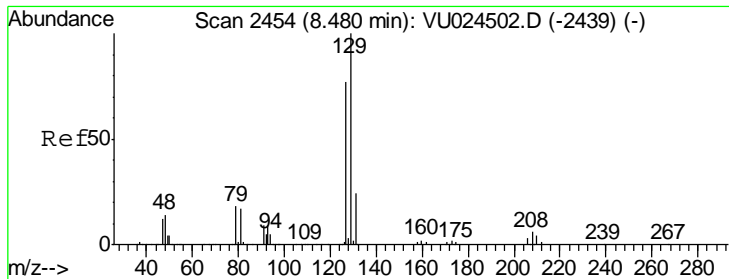
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 6/14/2018 9:44:16 AM



#59
 2-Hexanone
 Concen: 4.269 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
43	100		
58	46.5	26.4	79.0





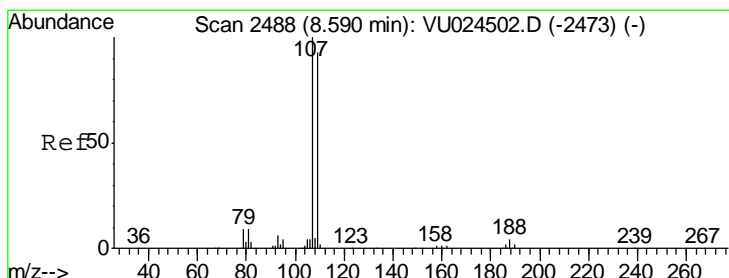
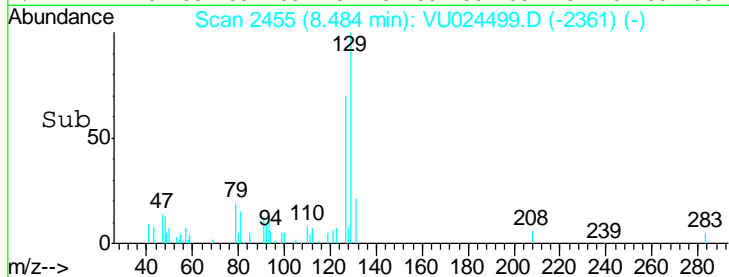
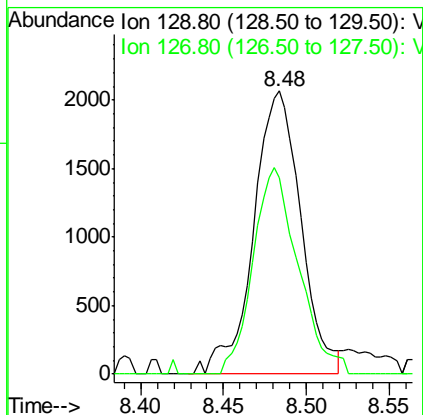
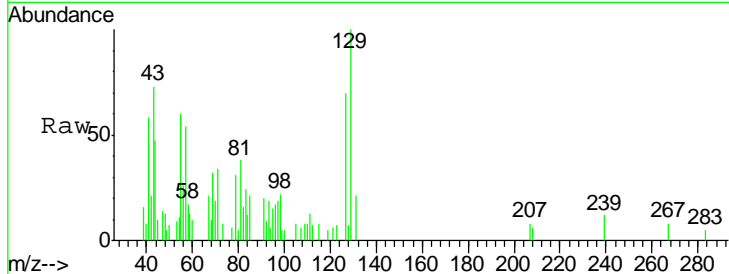
#60
 Dibromochloromethane
 Concen: 1.232 ug/l
 RT: 8.48 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion: 129 Resp: 4096
 Ion Ratio Lower Upper
 129 100
 127 70.0 38.6 116.0

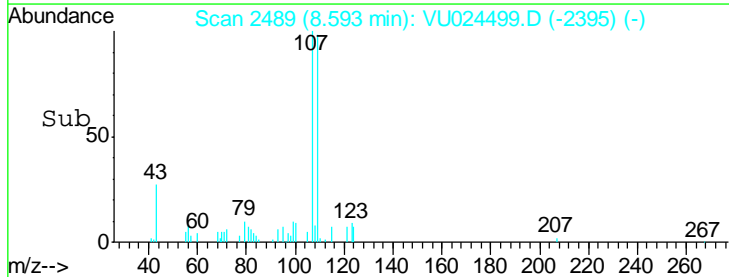
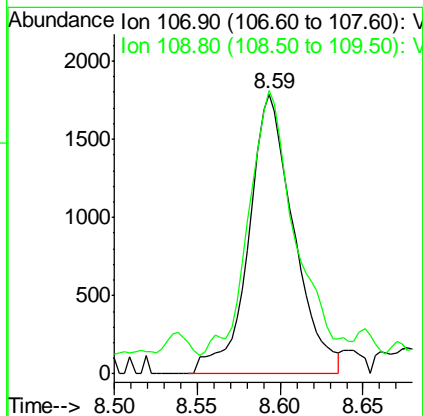
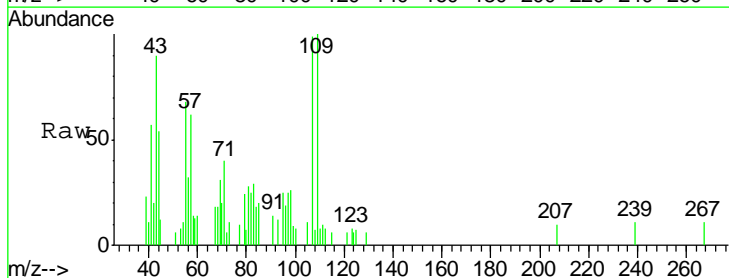
Manual Integrations
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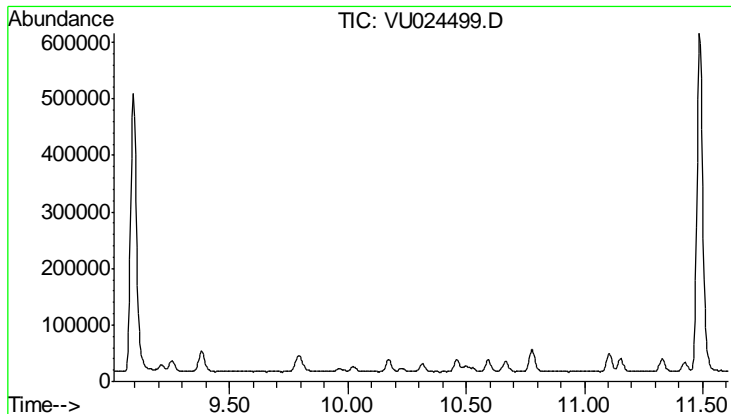
MMDadoda
 6/14/2018 9:44:16 AM



#61
 1,2-Dibromoethane
 Concen: 0.984 ug/l
 RT: 8.59 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion: 107 Resp: 3373
 Ion Ratio Lower Upper
 107 100
 109 95.9 74.5 111.7



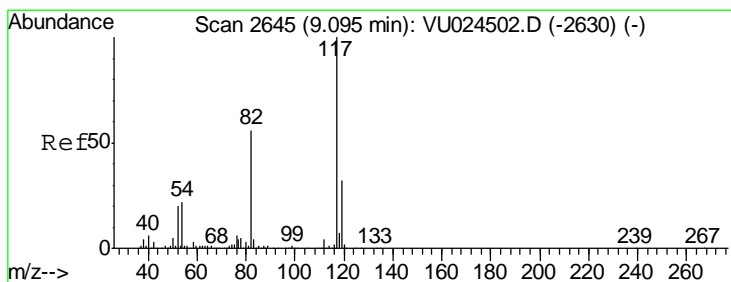
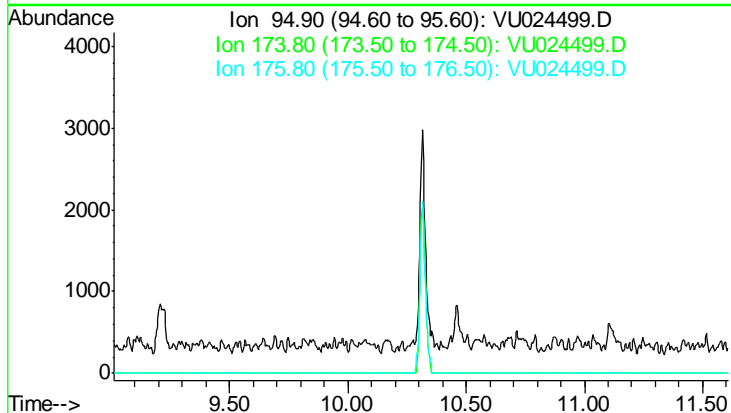


#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 10.31 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Exp Ratio
95	100
174	82.9
176	79.7

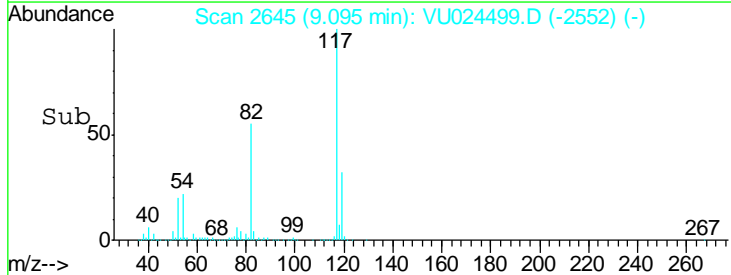
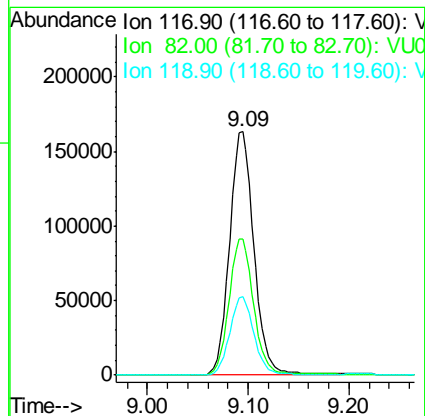
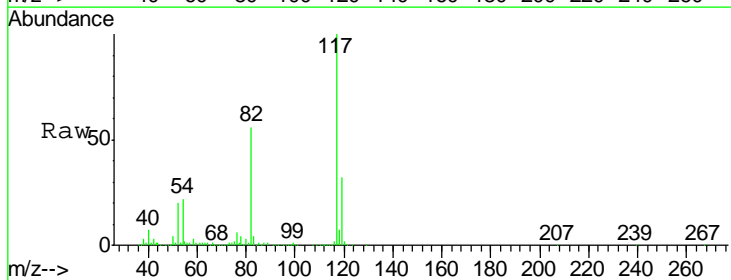
Instrument : MSVOA_U
 ClientSampled : VSTDIC001

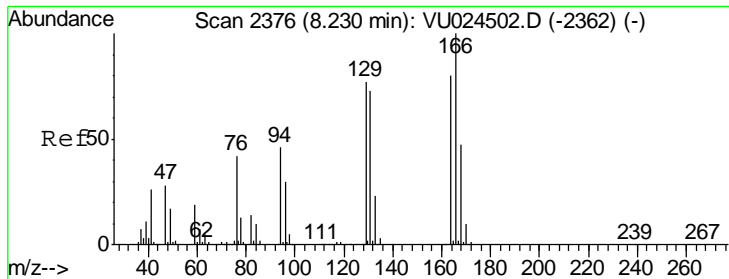
Manual Integrations
APPROVED
 MMDadoda
 6/14/2018 9:44:16 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

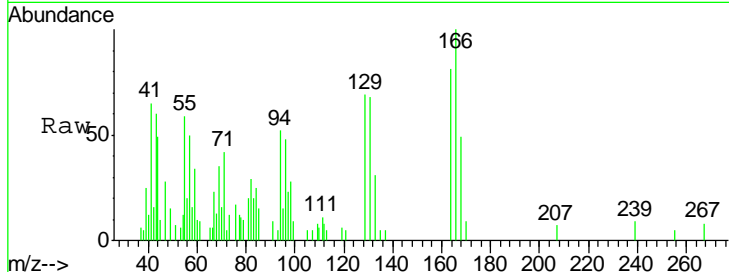
Tgt Ion	Resp	Lower	Upper
117	277275		
82	55.5	44.3	66.5
119	32.1	25.4	38.2





#64
 Tetrachloroethene
 Concen: 1.076 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

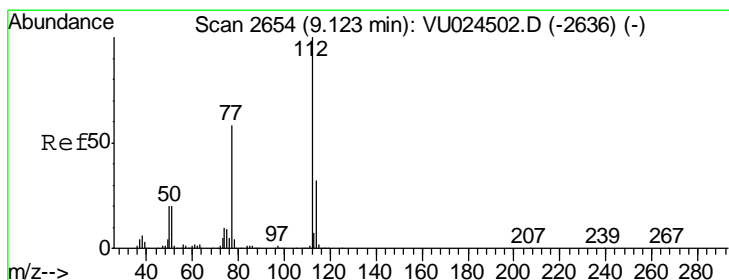
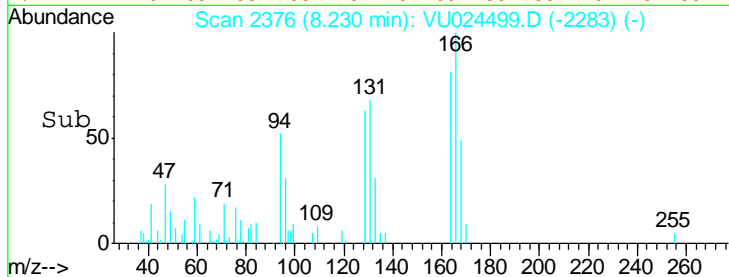
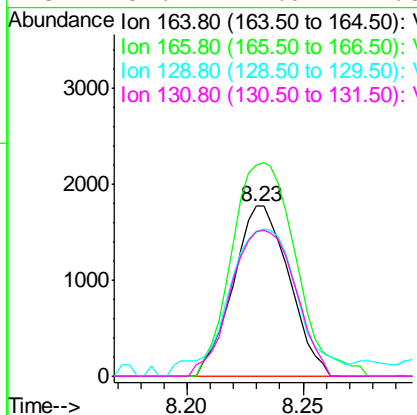
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



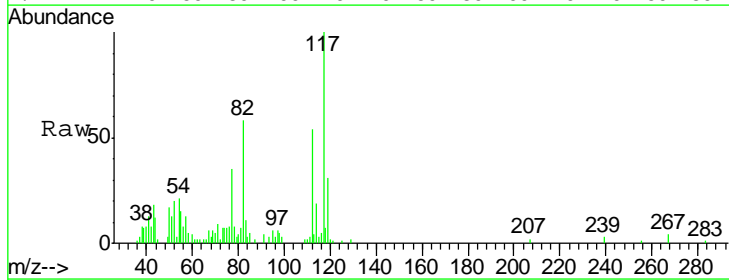
Tgt Ion	Resp	Lower	Upper
164	100		
166	123.8	101.7	152.5
129	76.0	76.9	115.3
131	84.7	74.9	112.3

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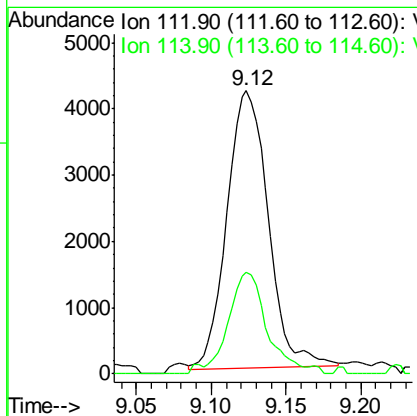
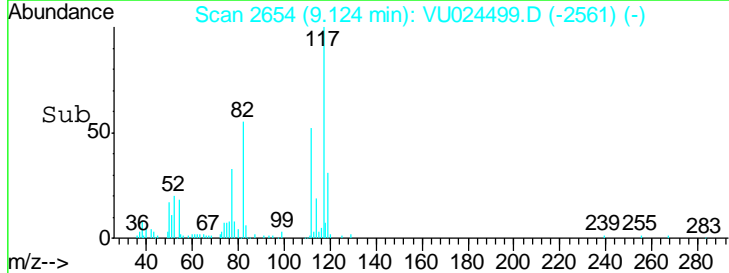
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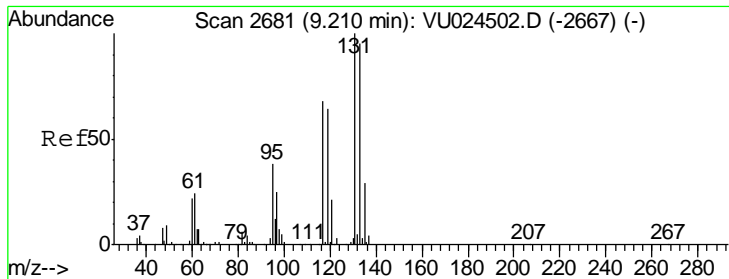


#65
 Chlorobenzene
 Concen: 0.995 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



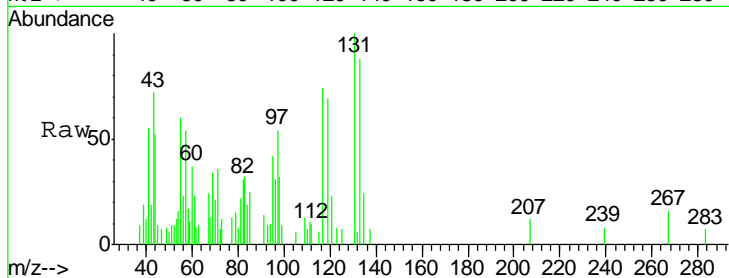
Tgt Ion	Resp	Lower	Upper
112	100		
114	36.9	25.6	38.4





#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.104 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

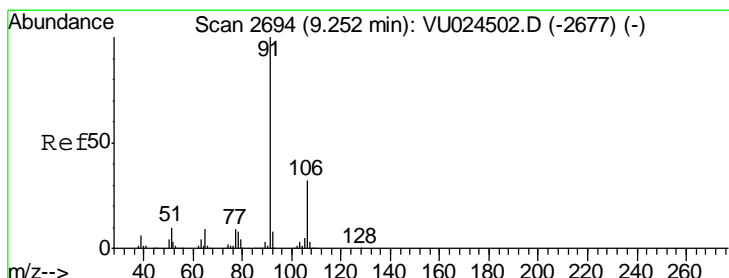
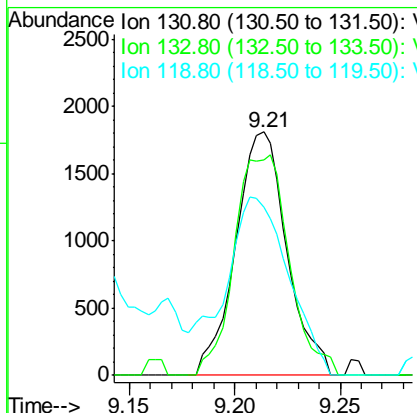
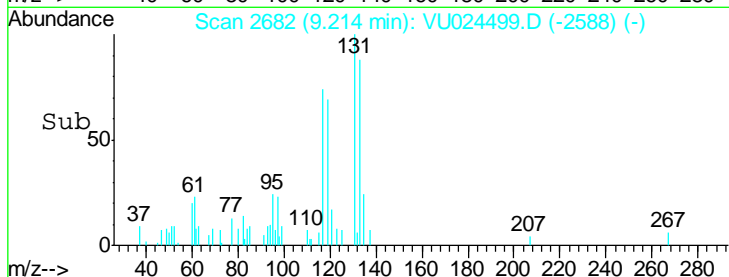


Tgt Ion: 131 Resp: 3059

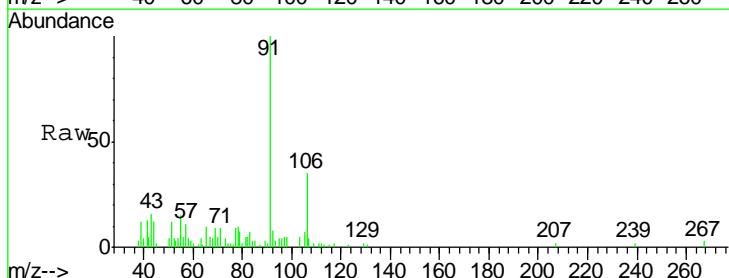
Ion	Ratio	Lower	Upper
131	100		
133	96.8	46.9	140.8
119	91.4	33.5	100.4

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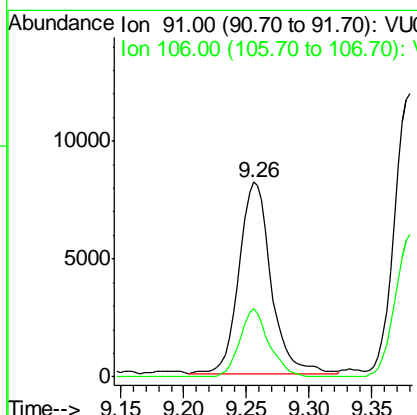
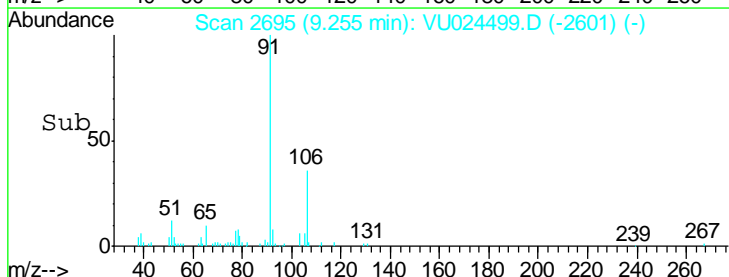


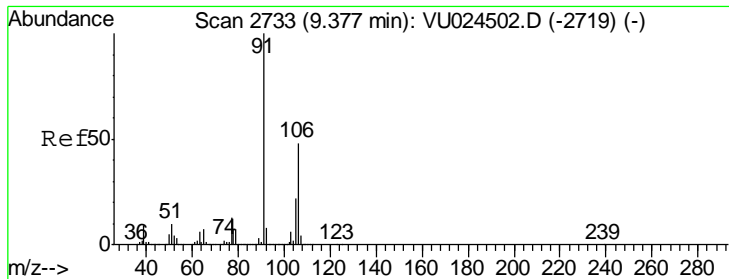
#67
 Ethyl Benzene
 Concen: 1.111 ug/l
 RT: 9.26 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



Tgt Ion: 91 Resp: 14453

Ion	Ratio	Lower	Upper
91	100		
106	35.5	24.2	36.4





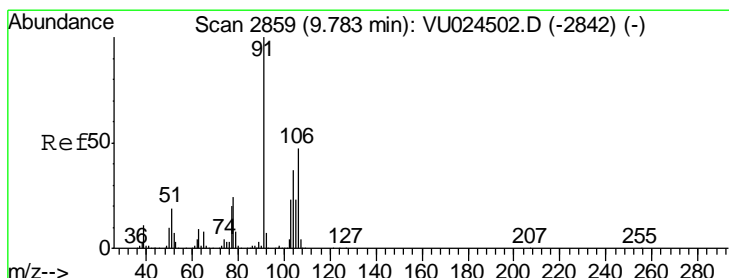
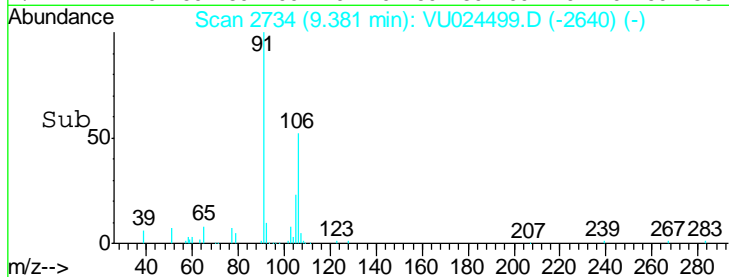
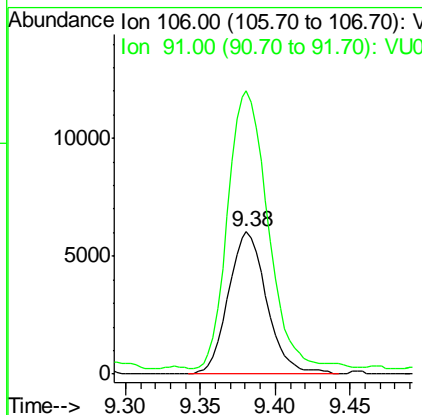
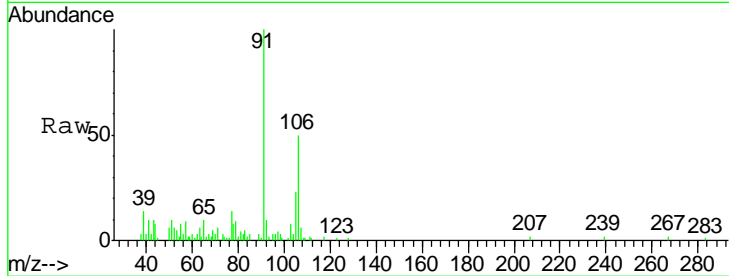
#68
 m/p-Xylenes
 Concen: 2.184 ug/l
 RT: 9.38 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
106	10822		
106	100		
91	203.8	166.5	249.7

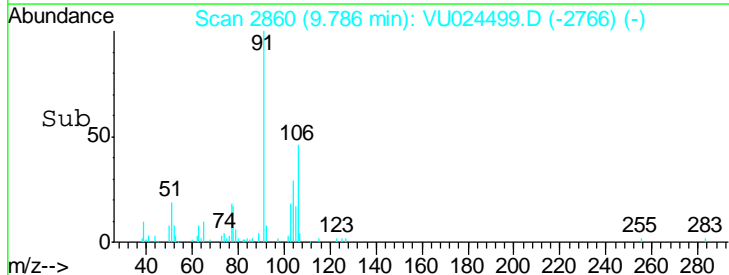
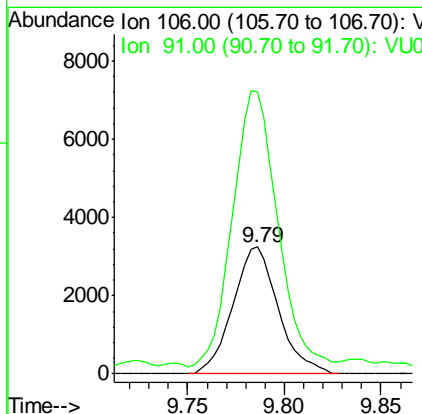
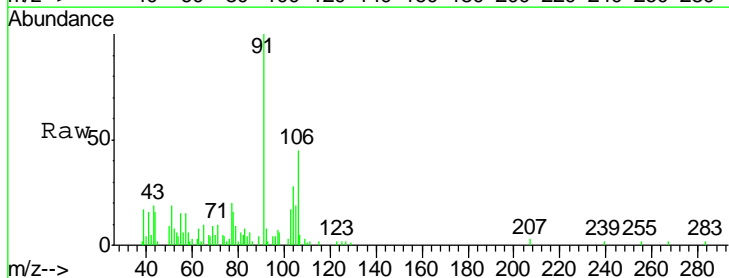
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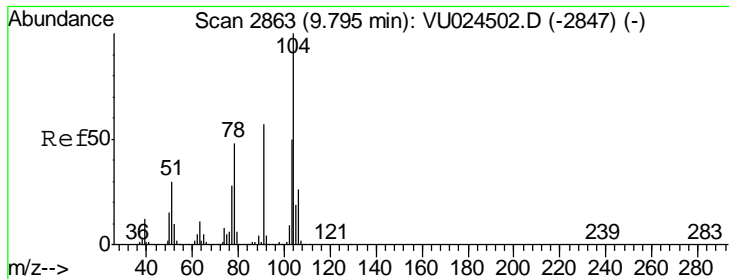
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#69
 o-Xylene
 Concen: 1.163 ug/l
 RT: 9.79 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

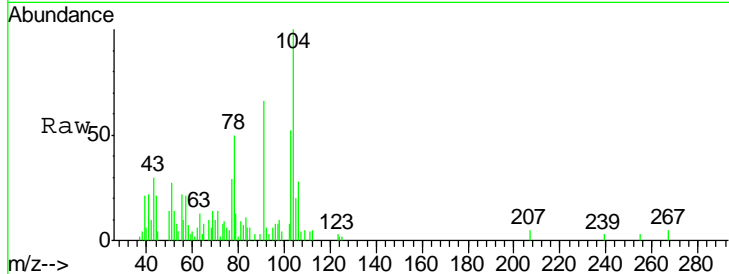
Tgt Ion	Resp	Lower	Upper
106	5312		
106	100		
91	214.3	110.7	331.9





#70
 Styrene
 Concen: 1.096 ug/l
 RT: 9.80 min Scan# 2864
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

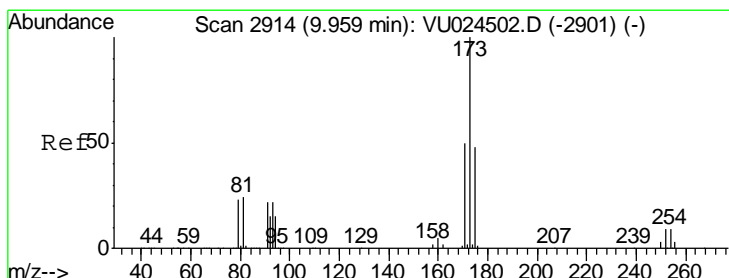
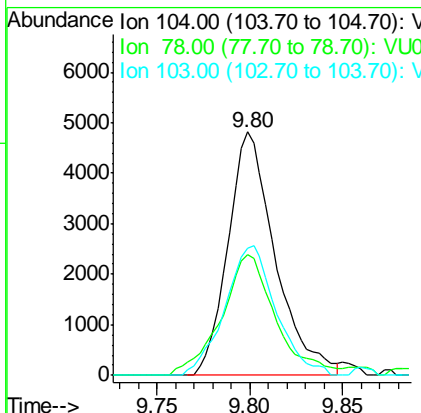
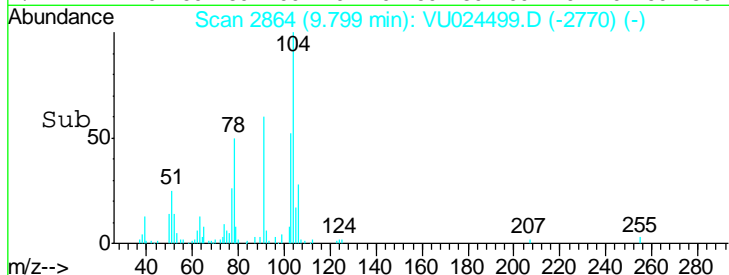


Tgt Ion: 104 Resp: 8522

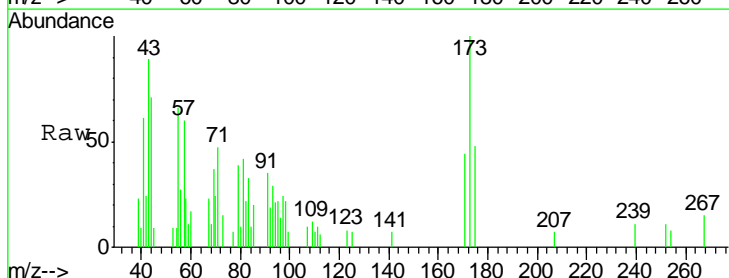
Ion	Ratio	Lower	Upper
104	100		
78	56.5	40.6	60.8
103	57.5	44.7	67.1

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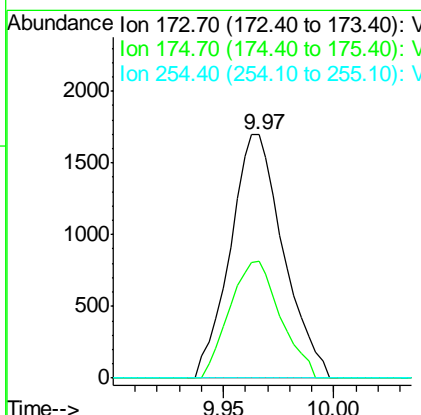
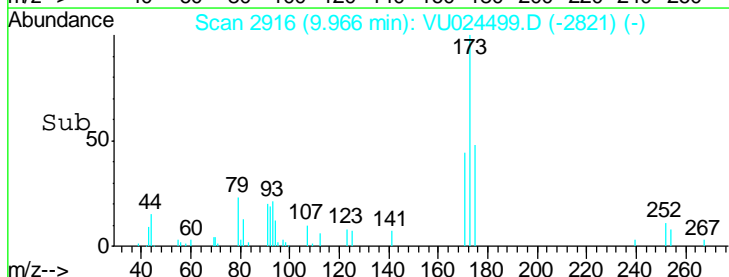


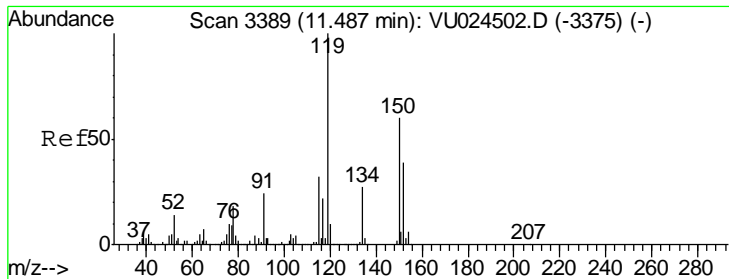
#71
 Bromoform
 Concen: 1.186 ug/l
 RT: 9.97 min Scan# 2916
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



Tgt Ion: 173 Resp: 2835

Ion	Ratio	Lower	Upper
173	100		
175	46.0	24.6	74.0
254	0.0	0.0	0.0





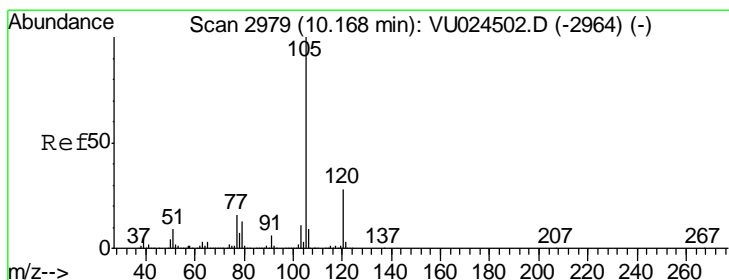
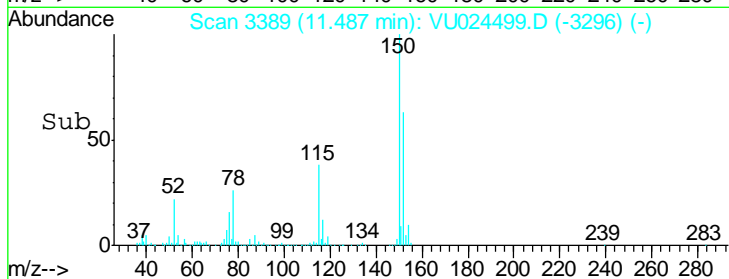
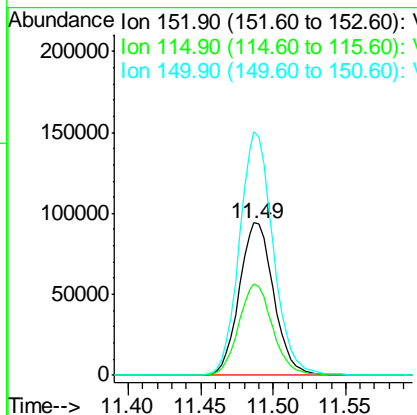
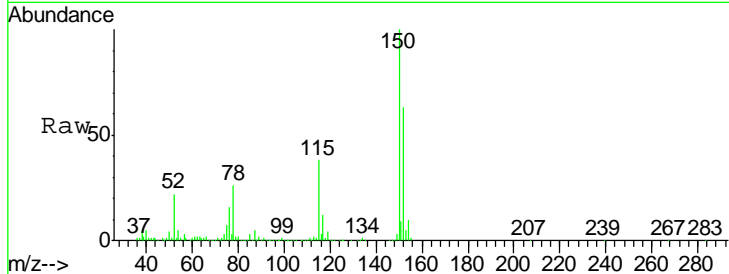
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
152	155341		
152	100		
115	58.8	43.0	129.0
150	156.0	0.0	354.0

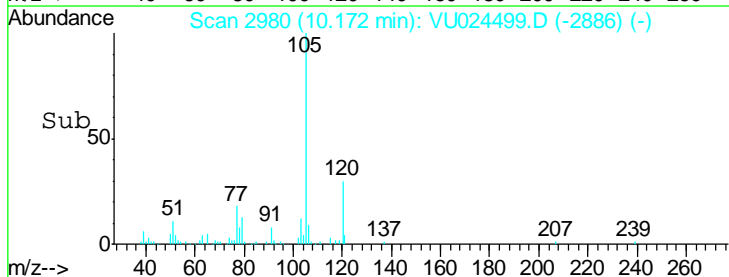
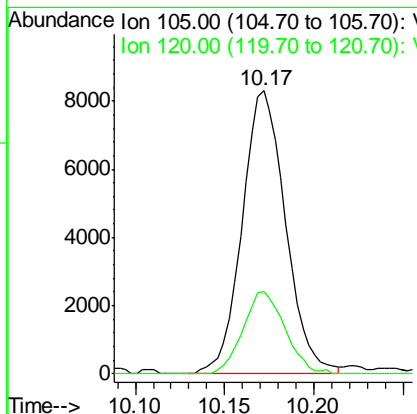
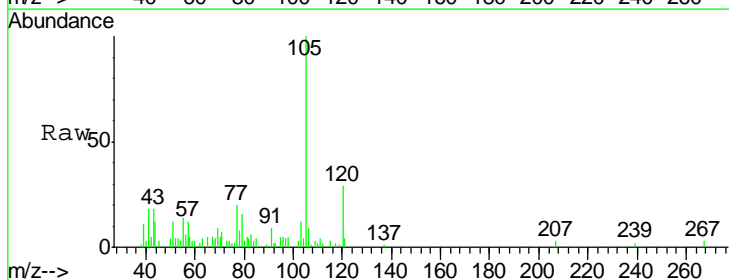
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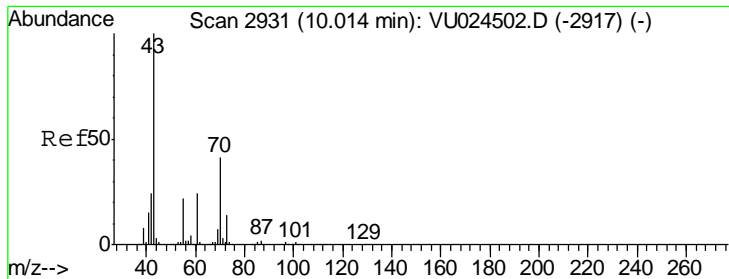
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#73
 Isopropylbenzene
 Concen: 1.319 ug/l
 RT: 10.17 min Scan# 2980
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

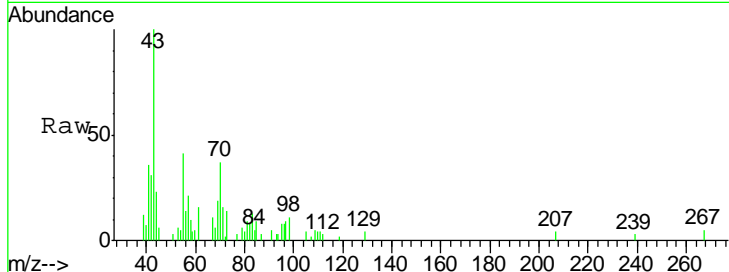
Tgt Ion	Resp	Lower	Upper
105	14125		
105	100		
120	28.1	13.2	39.6





#74
 N-ethyl acetate
 Concen: 1.325 ug/l
 RT: 10.02 min Scan# 2933
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

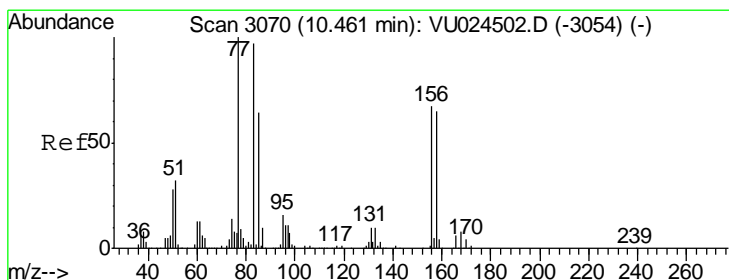
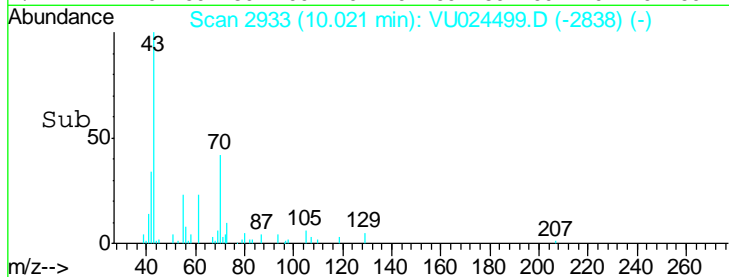
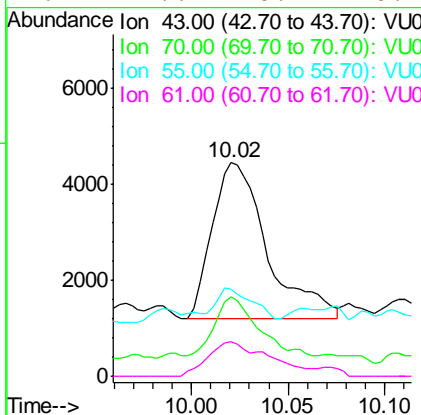


Tgt Ion: 43 Resp: 6422

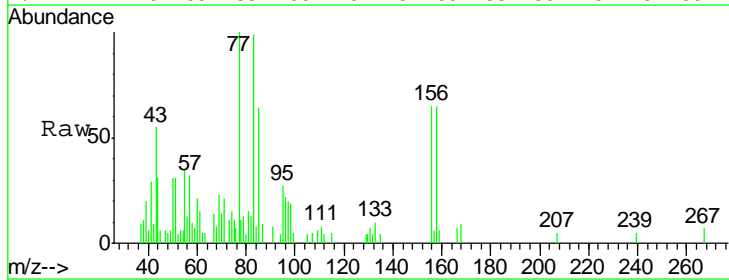
Ion	Ratio	Lower	Upper
43	100		
70	29.9	32.2	48.4#
55	14.3	20.5	30.7#
61	24.6	18.7	28.1

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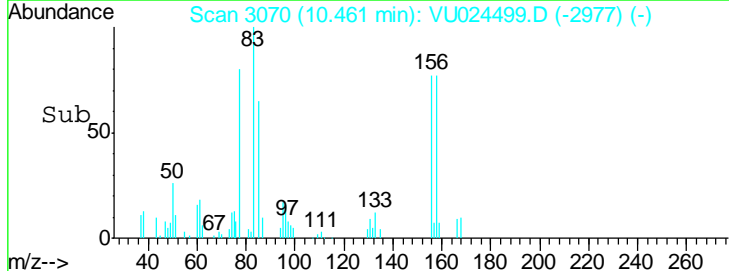
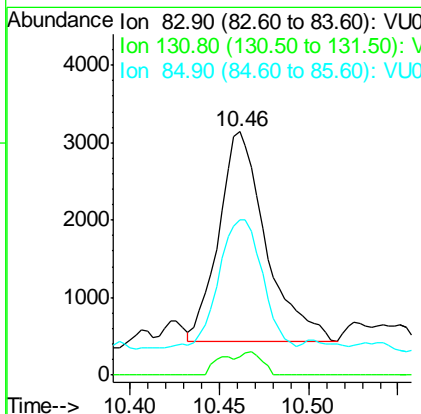


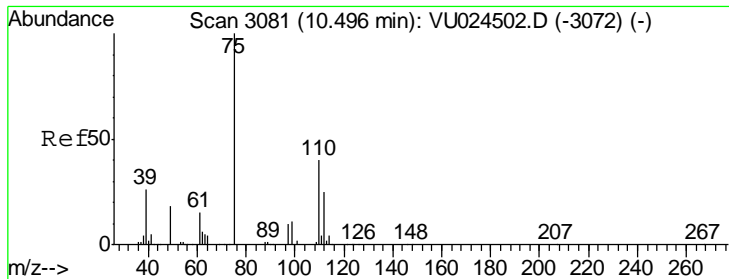
#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.069 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



Tgt Ion: 83 Resp: 4967

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.1
85	56.5	32.5	97.5





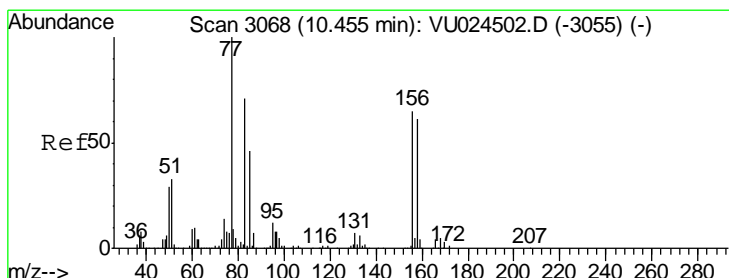
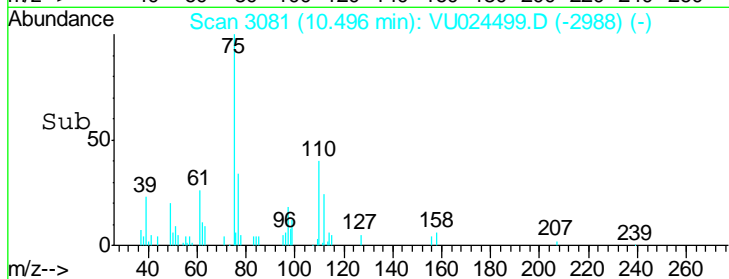
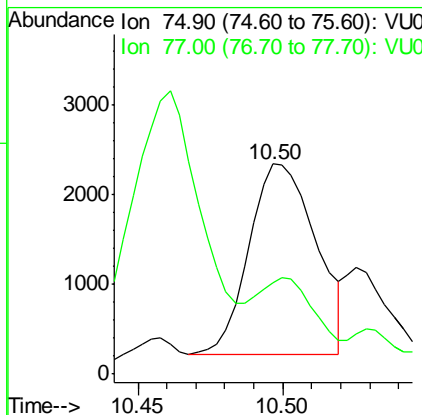
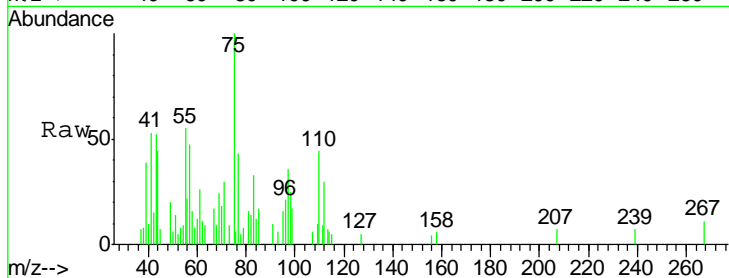
#76
 1,2,3-Trichloropropane
 Concen: 1.052 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.9	20.9	62.7

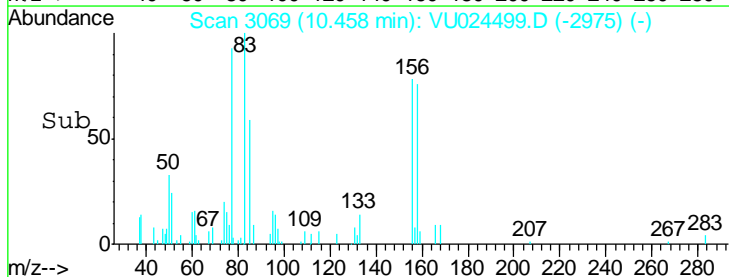
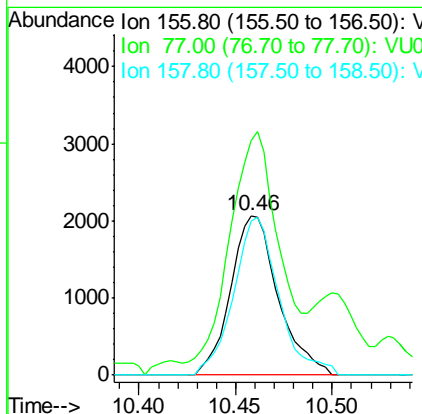
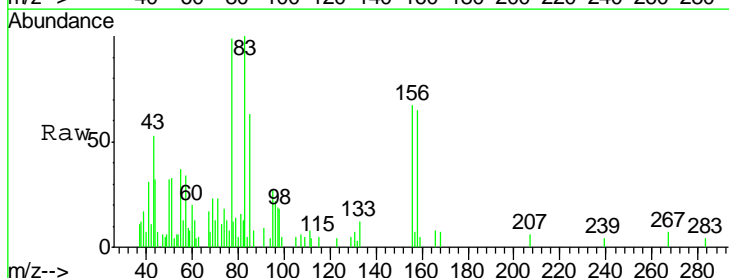
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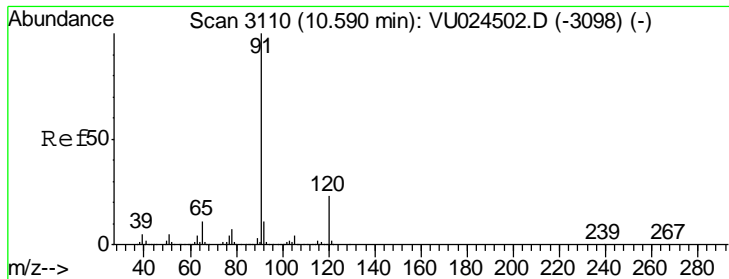
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#77
 Bromobenzene
 Concen: 1.190 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
156	100		
77	151.2	80.5	241.3
158	94.3	48.2	144.6





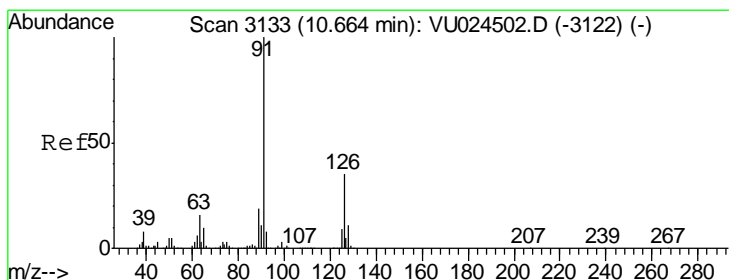
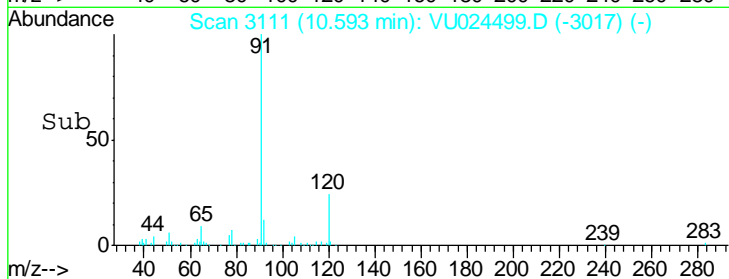
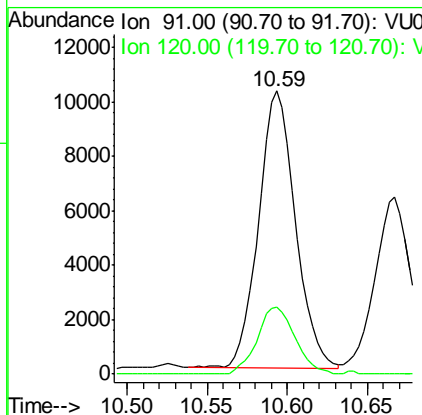
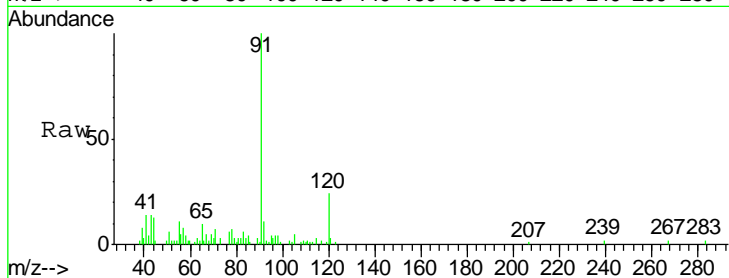
#78
 n-propylbenzene
 Concen: 1.211 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	16077		
120	25.0	11.2	33.5

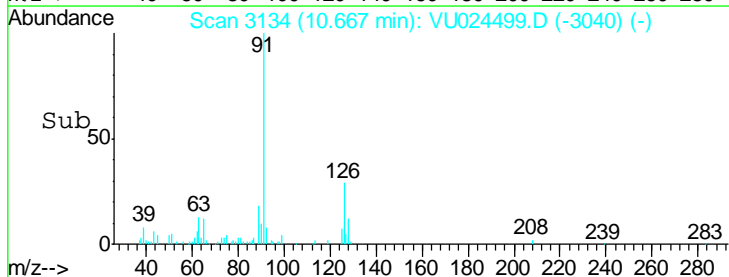
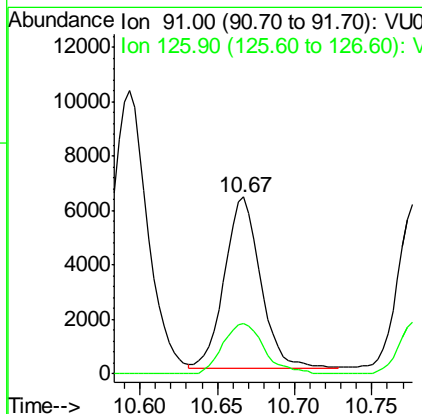
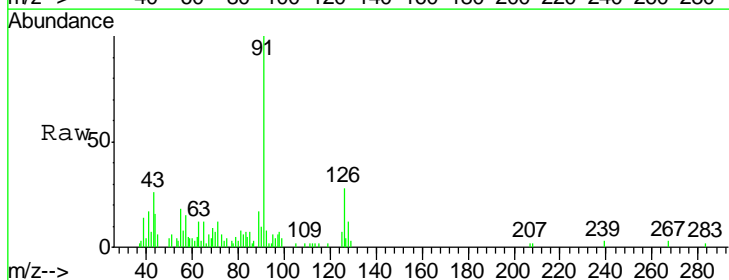
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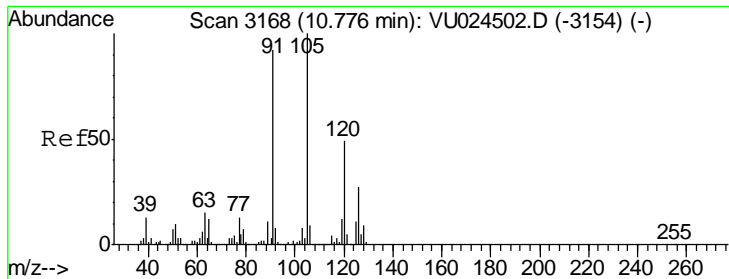
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#79
 2-Chlorotoluene
 Concen: 1.253 ug/l
 RT: 10.67 min Scan# 3134
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

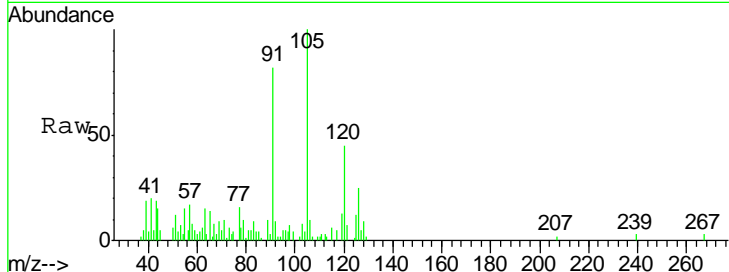
Tgt Ion	Resp	Lower	Upper
91	10098		
126	34.0	16.9	50.7





#80
 1,3,5-Trimethylbenzene
 Concen: 1.390 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

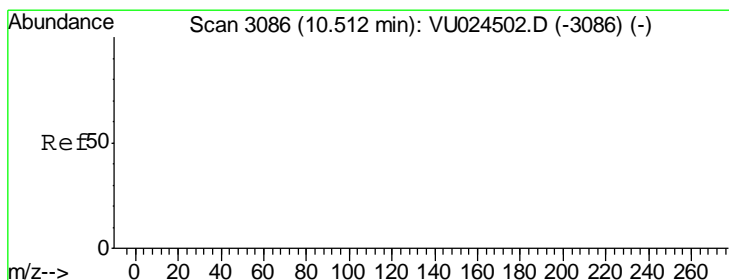
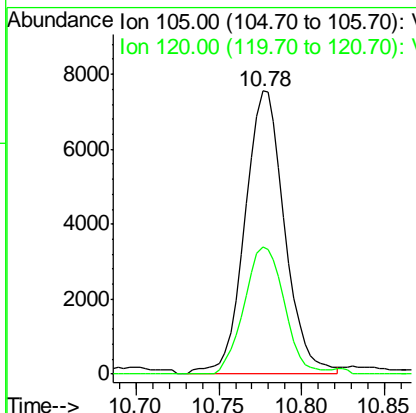
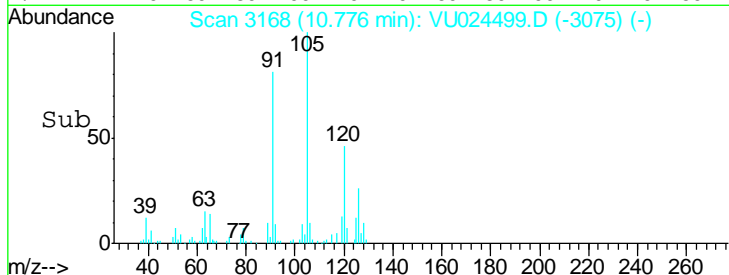
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



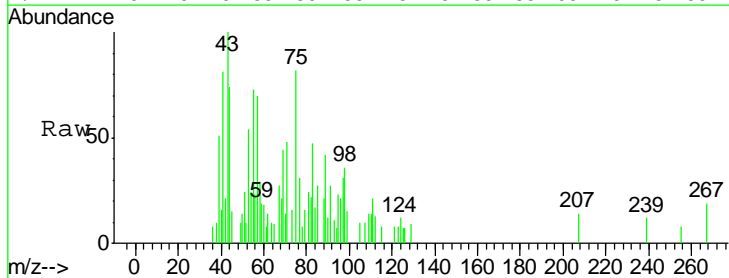
Tgt Ion: 105 Resp: 12626
 Ion Ratio Lower Upper
 105 100
 120 45.4 24.1 72.2

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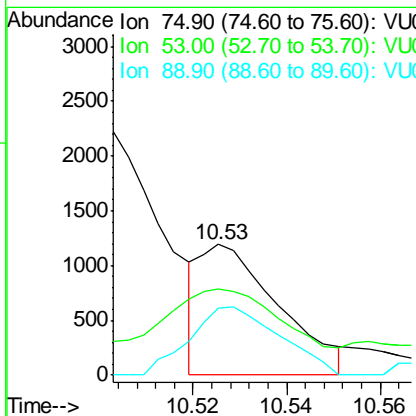
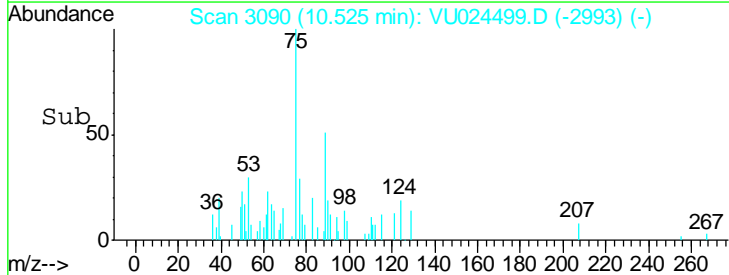
MMDadoda
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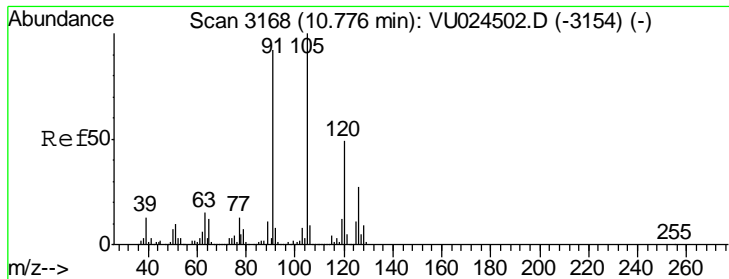


#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.905 ug/l m
 RT: 10.53 min Scan# 3090
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33



Tgt Ion: 75 Resp: 1390
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





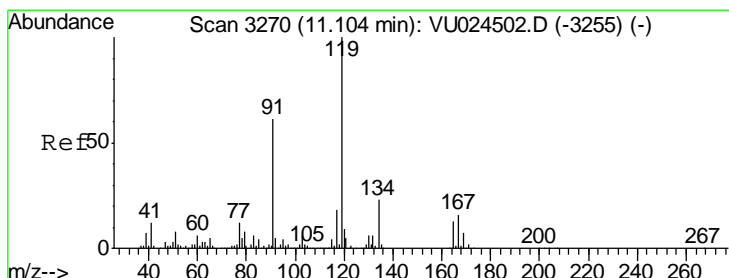
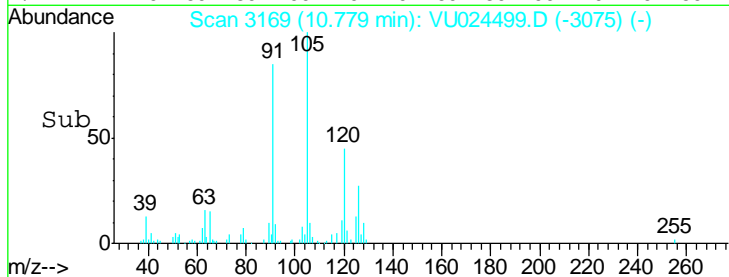
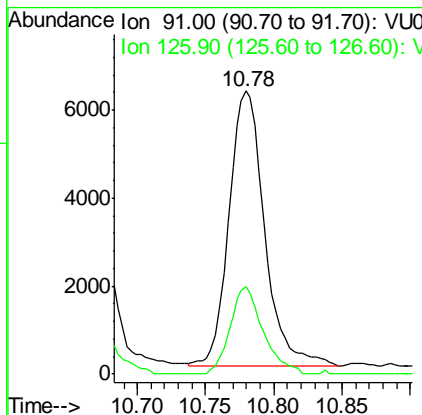
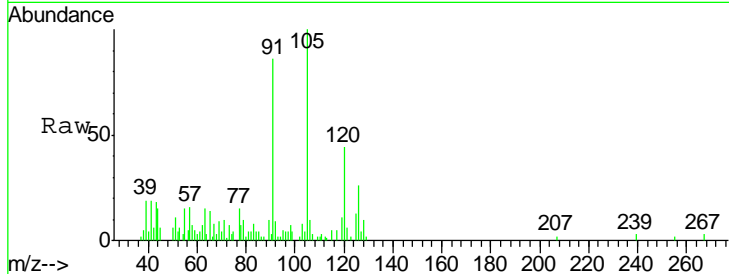
#82
 4-Chlorotoluene
 Concen: 1.206 ug/l
 RT: 10.78 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	11274		
100			
126	29.6	14.9	44.9

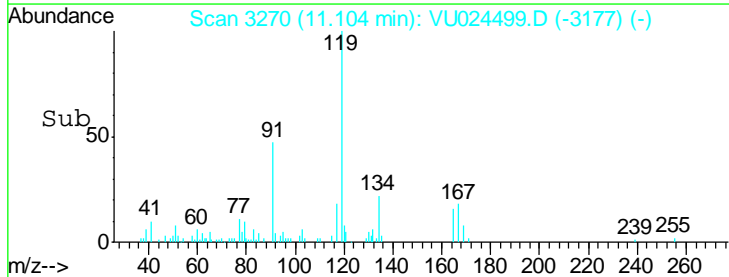
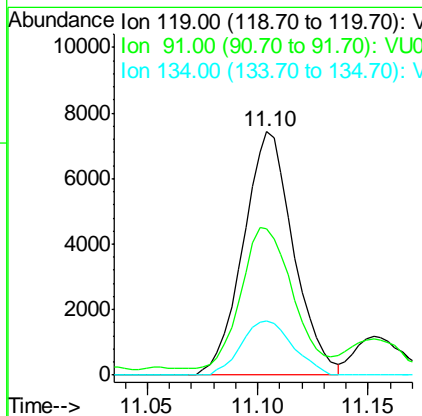
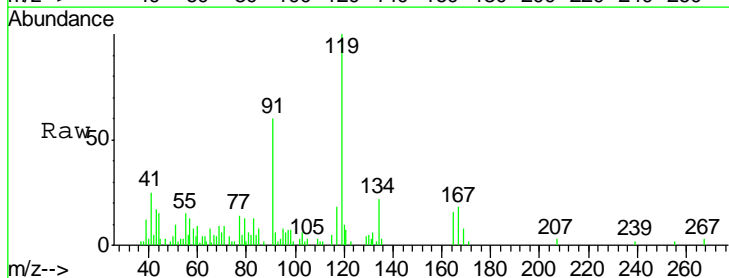
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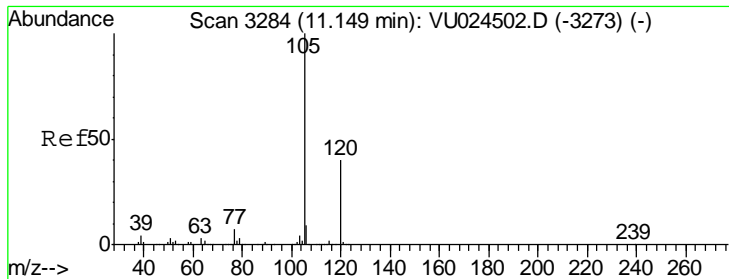
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 6/14/2018 9:44:16 AM



#83
 tert-Butylbenzene
 Concen: 1.328 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
119	11739		
100			
91	59.4	29.7	89.1
134	22.9	11.6	34.7





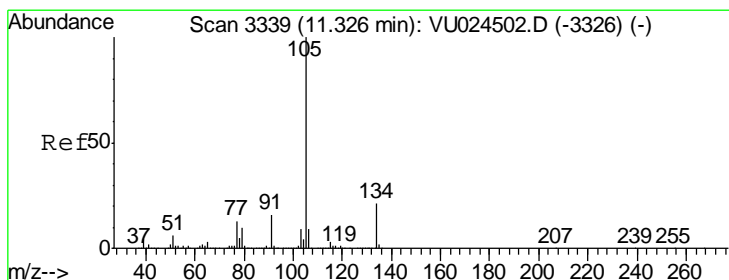
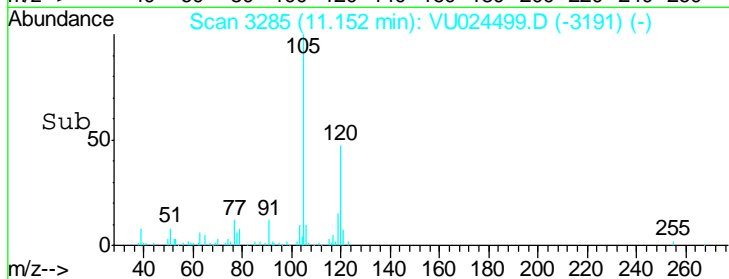
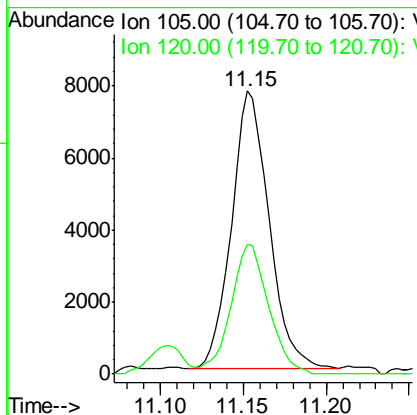
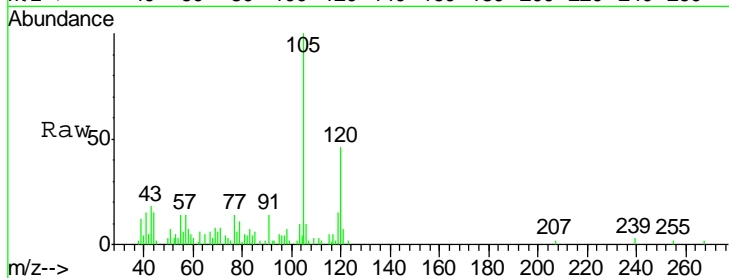
#84
 1,2,4-Trimethylbenzene
 Concen: 1.326 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	12165		
120	47.1	22.6	67.8

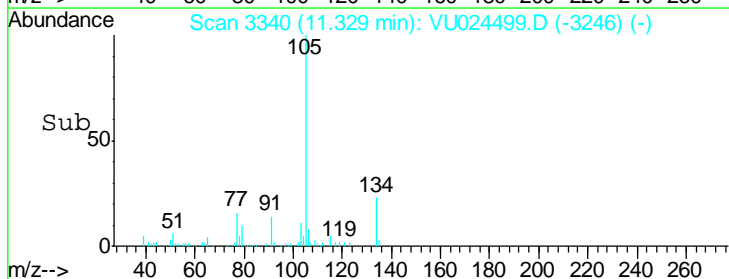
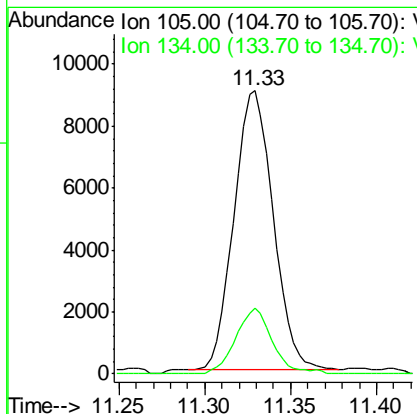
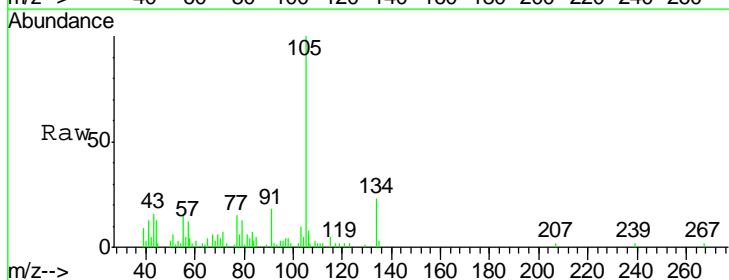
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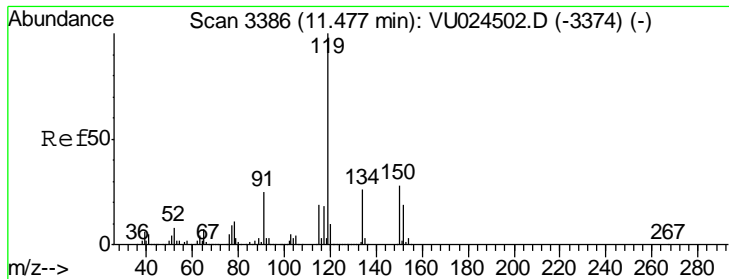
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 6/14/2018 9:44:16 AM



#85
 sec-Butylbenzene
 Concen: 1.286 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
105	14275		
134	22.0	9.7	29.1





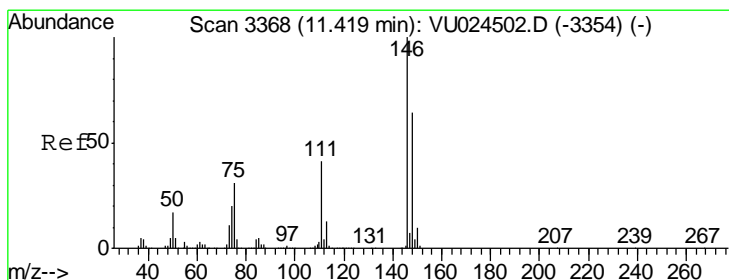
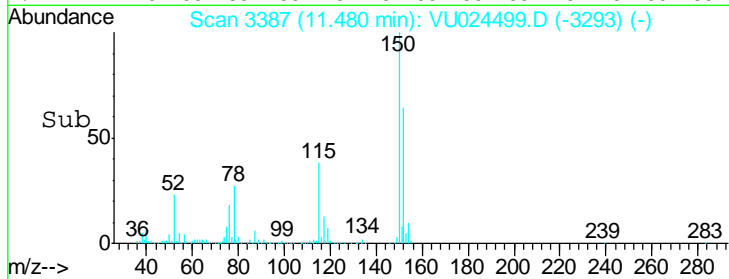
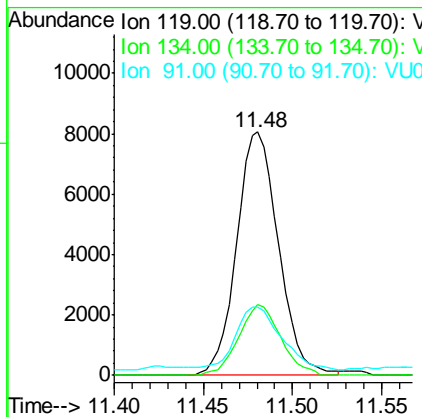
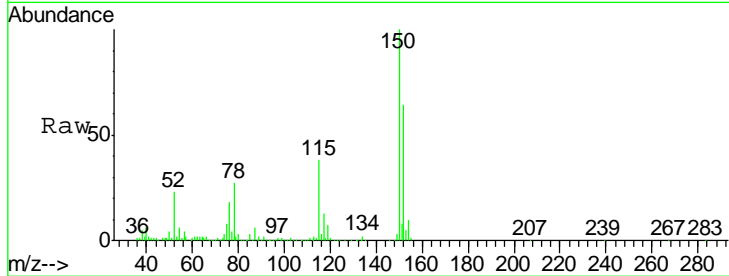
#86
 p-Isopropyltoluene
 Concen: 1.347 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
119	13209		
134	29.0	12.9	38.6
91	28.4	12.0	36.1

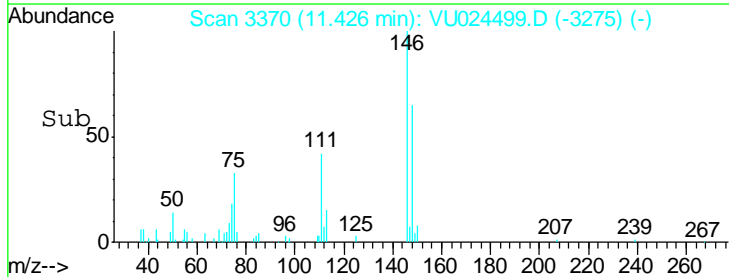
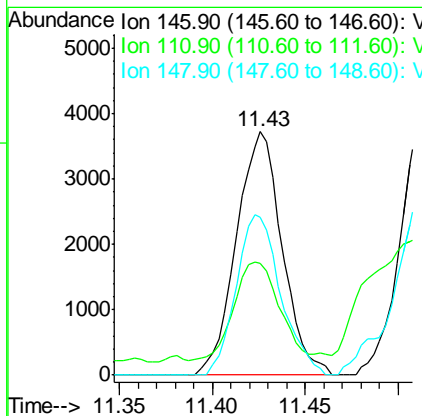
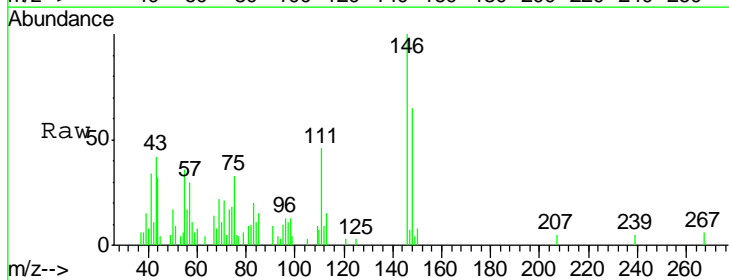
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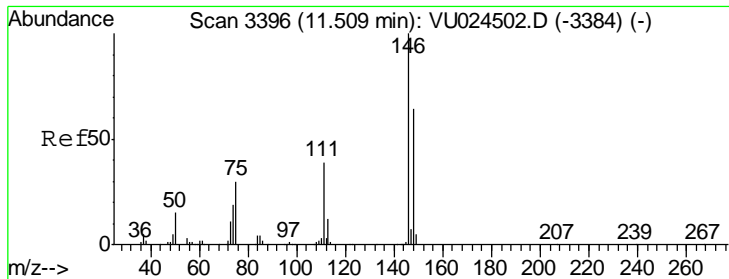
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#87
 1,3-Dichlorobenzene
 Concen: 1.117 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

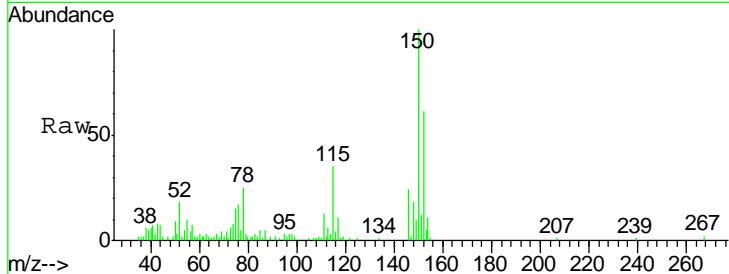
Tgt Ion	Resp	Lower	Upper
146	6367		
111	43.5	20.0	60.0
148	64.1	32.1	96.5





#88
 1,4-Dichlorobenzene
 Concen: 1.065 ug/l m
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

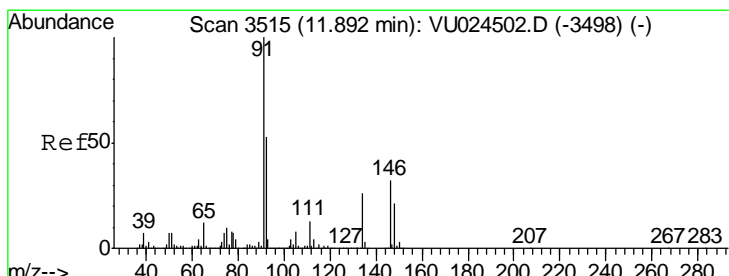
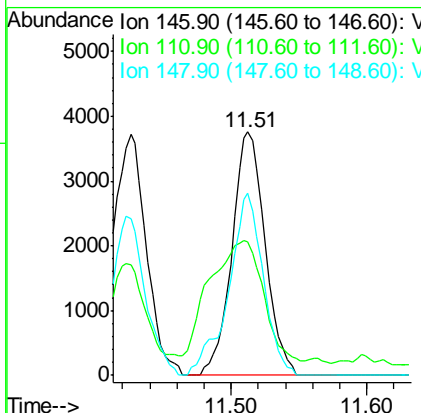
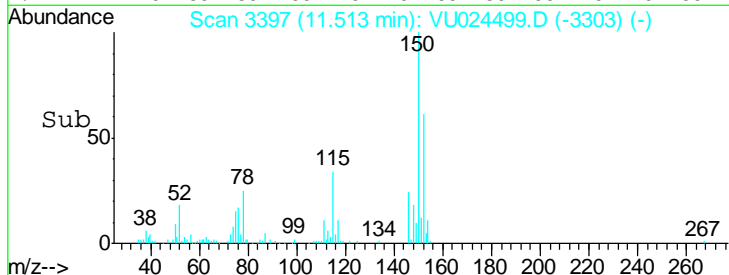
Instrument : MSVOA_U
 Client Sampled : VU024499.D
 VSTDIC001



Tgt Ion	Resp	Lower	Upper
146	100		
111	43.6	19.5	58.5
148	64.2	32.4	97.0

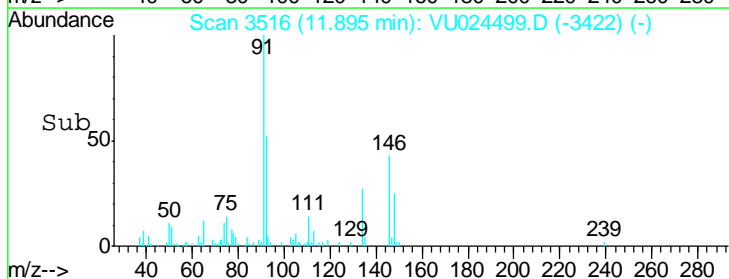
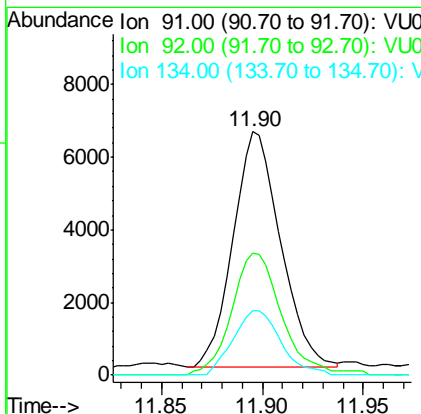
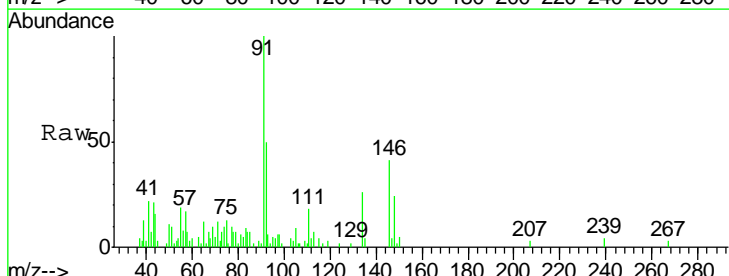
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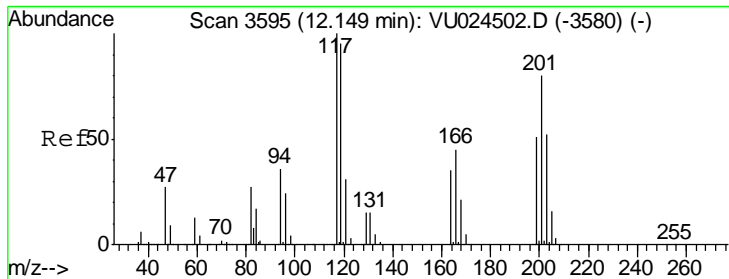
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#89
 n-Butylbenzene
 Concen: 1.108 ug/l
 RT: 11.90 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
91	100		
92	53.7	25.6	76.8
134	27.6	12.3	36.8





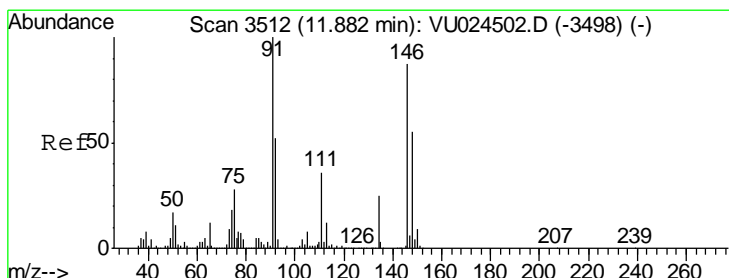
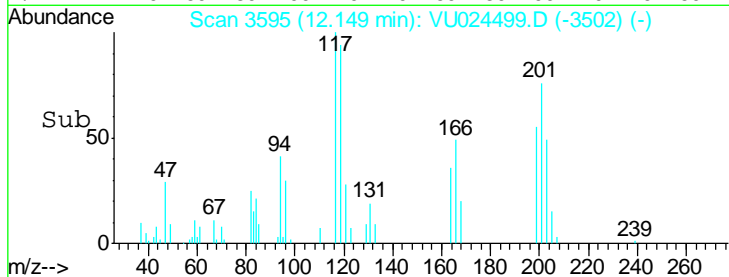
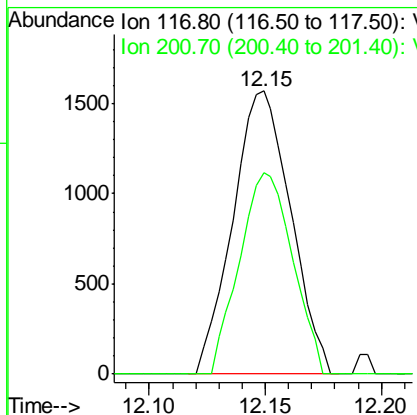
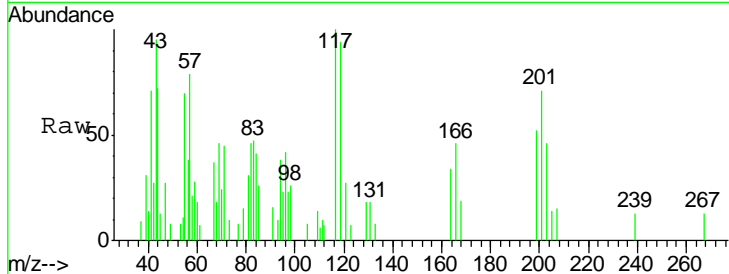
#90
 Hexachloroethane
 Concen: 1.547 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
117	2720		
117	100		
201	65.3	41.1	123.3

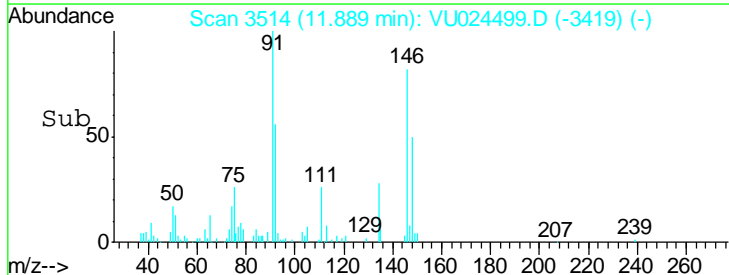
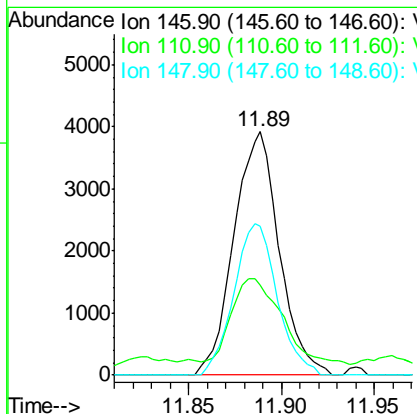
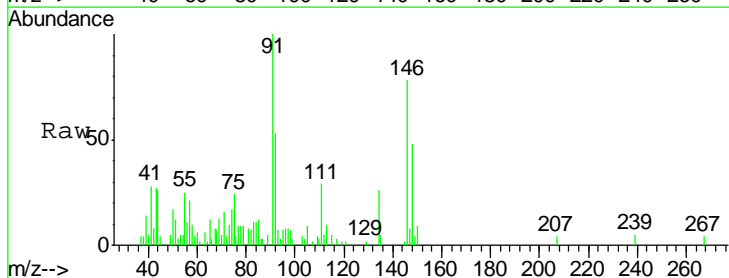
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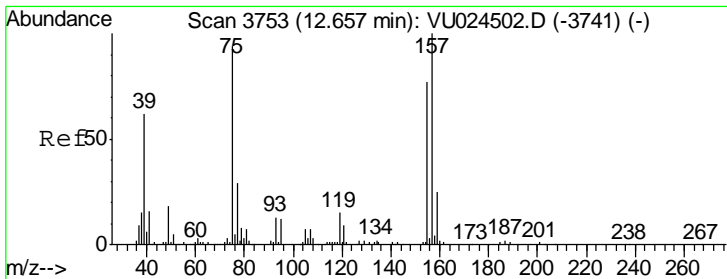
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 6/14/2018 9:44:16 AM



#91
 1,2-Dichlorobenzene
 Concen: 1.168 ug/l
 RT: 11.89 min Scan# 3514
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

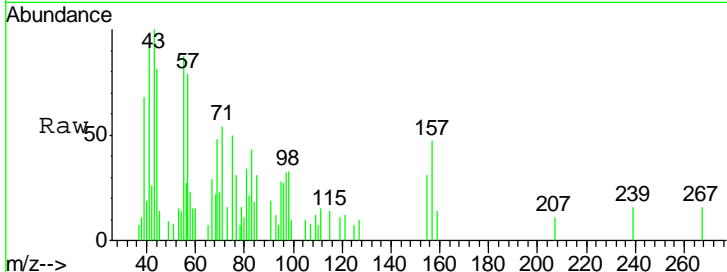
Tgt Ion	Resp	Lower	Upper
146	6658		
146	100		
111	41.3	20.5	61.6
148	59.4	31.9	95.7





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.241 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

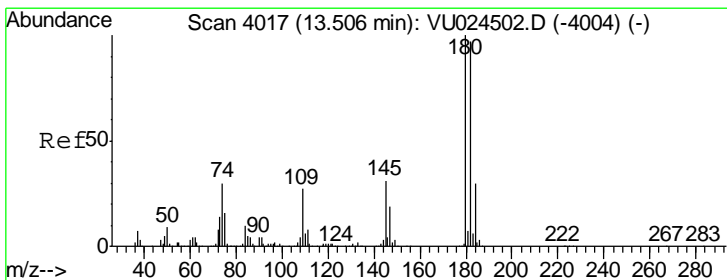
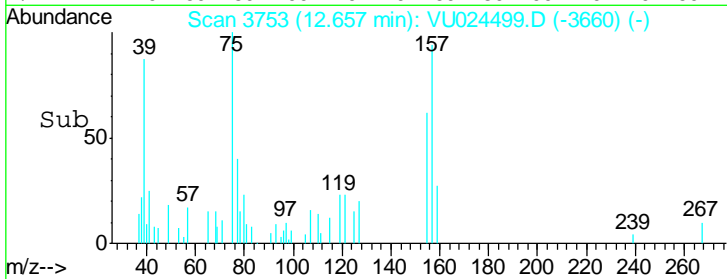
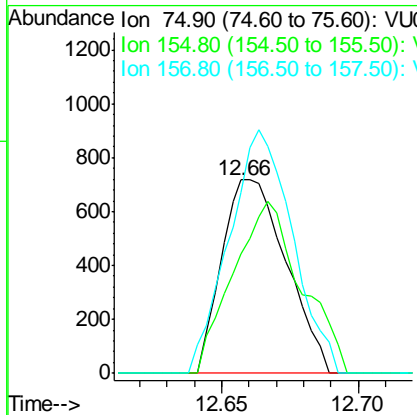
Instrument : MSVOA_U
 Client Sampled : VSTDIC001



Tgt Ion	Resp	Lower	Upper
75	1177		
75	100		
155	93.5	40.4	121.2
157	123.4	52.3	156.8

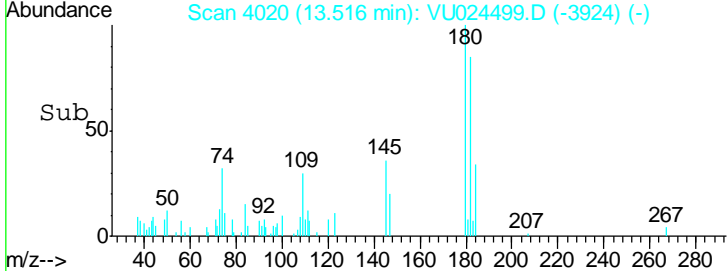
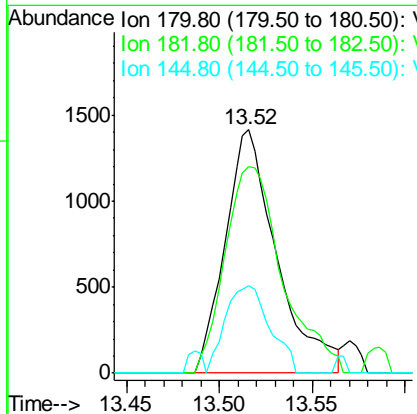
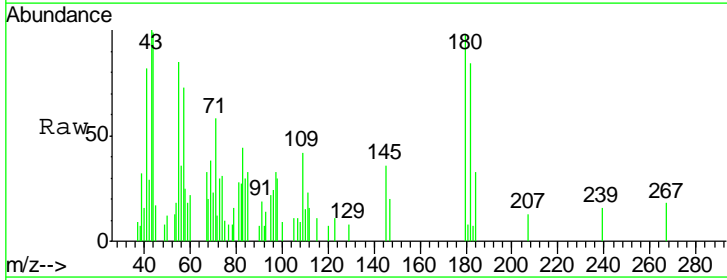
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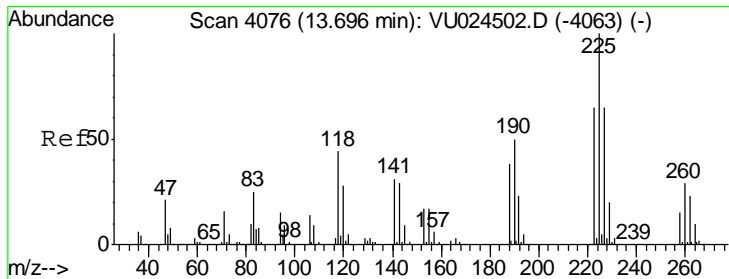
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 6/14/2018 9:44:16 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 0.812 ug/l
 RT: 13.52 min Scan# 4020
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Tgt Ion	Resp	Lower	Upper
180	2732		
180	100		
182	94.7	48.0	144.2
145	30.9	14.7	44.1





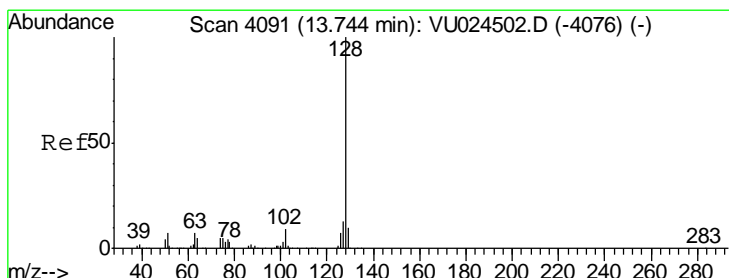
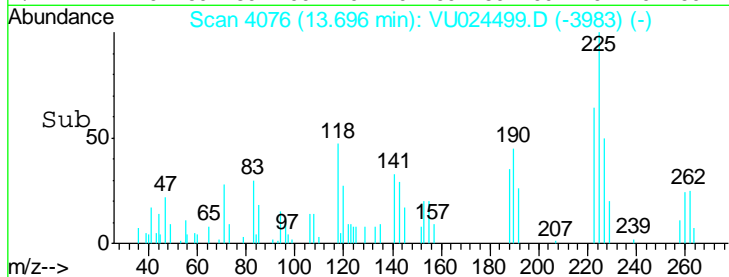
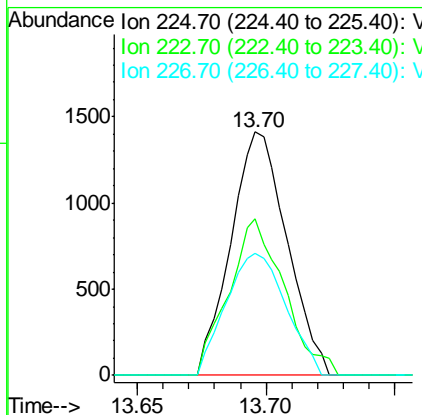
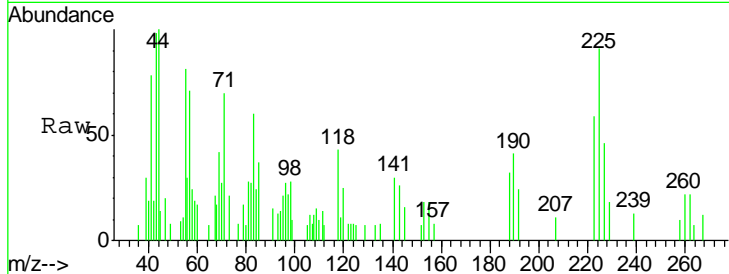
#94
 Hexachlorobutadiene
 Concen: 1.073 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
225	100		
223	63.4	31.3	93.8
227	53.4	31.8	95.4

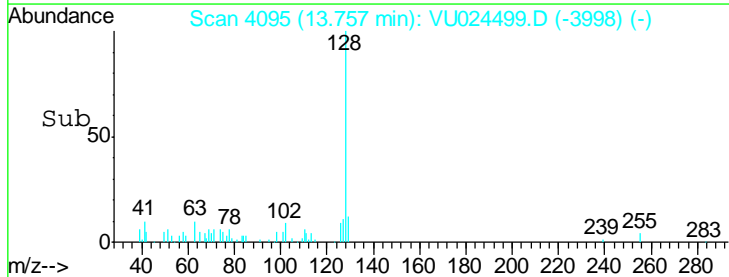
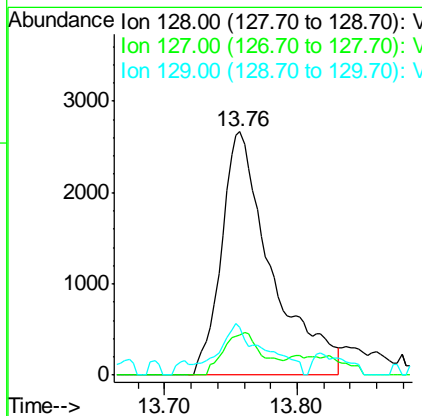
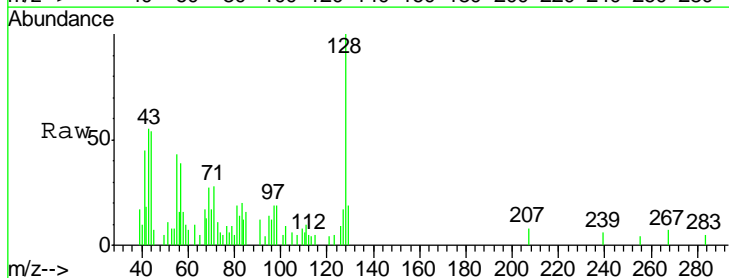
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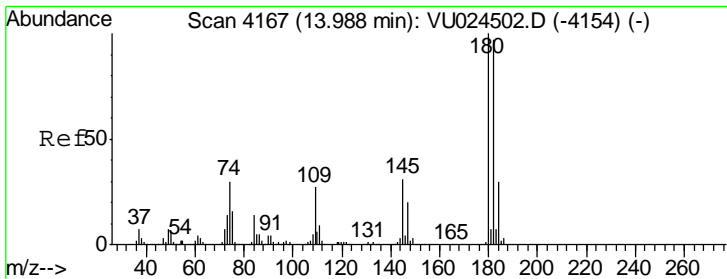
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 6/14/2018 9:44:16 AM



#95
 Naphthalene
 Concen: 0.756 ug/l
 RT: 13.76 min Scan# 4095
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

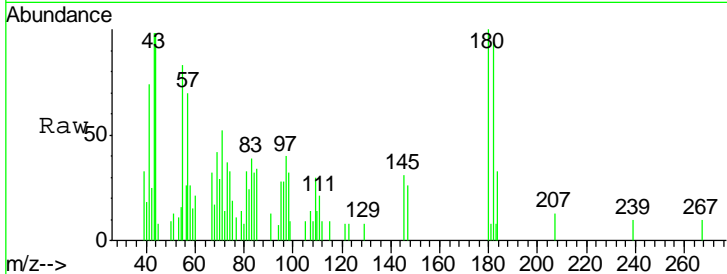
Tgt Ion	Resp	Lower	Upper
128	100		
127	13.9	10.6	16.0
129	19.2	8.6	12.8#





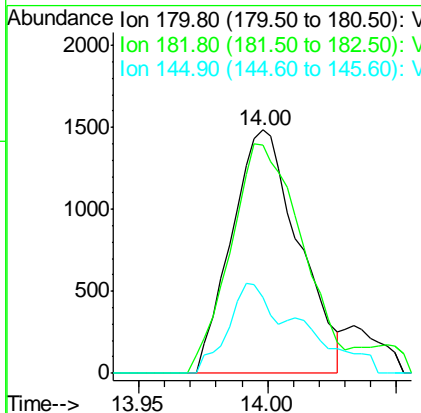
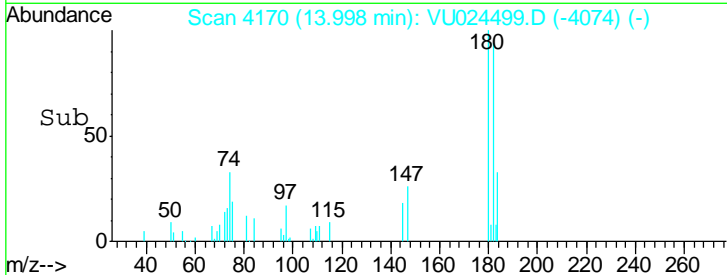
#96
 1,2,3-Trichlorobenzene
 Concen: 0.792 ug/l
 RT: 14.00 min Scan# 4170
 Delta R.T. 0.01 min
 Lab File: VU024499.D
 Acq: 13 Jun 2018 11:33

Instrument : MSVOA_U
 ClientSampled : VSTDIC001



Tgt Ion	Resp	Lower	Upper
180	100		
182	102.7	47.9	143.7
145	23.9	15.4	46.1

Manual Integrations
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 MMDadoda
 6/14/2018 9:44:16 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024500.D
 Acq On : 13 Jun 2018 11:56
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005

Manual Integrations
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 6/14/2018 9:44:22 AM

Quant Time: Jun 13 13:11:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303052	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	158455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	16702	4.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.64%	
35) Dibromofluoromethane	4.89	113	13172	4.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.46%	
50) Toluene-d8	7.57	98	46850	4.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.06%	
62) 4-Bromofluorobenzene	10.31	95	17743	4.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	12061	4.073	ug/l	98
3) Chloromethane	1.33	50	12647	3.666	ug/l	95
4) Vinyl Chloride	1.40	62	13415	3.493	ug/l	100
5) Bromomethane	1.62	94	6301	2.985	ug/l	100
6) Chloroethane	1.70	64	8053	3.099	ug/l	96
7) Trichlorofluoromethane	1.89	101	20143	3.862	ug/l	93
8) Diethyl Ether	2.10	74	7783	3.733	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.29	101	12212	4.206	ug/l	# 93
10) Methyl Iodide	2.41	142	4246	2.307	ug/l	# 91
11) Tert butyl alcohol	2.83	59	22890	31.153	ug/l	96
12) 1,1-Dichloroethene	2.28	96	12171	4.475	ug/l	89
13) Acrolein	2.19	56	11383	14.883	ug/l	98
14) Allyl chloride	2.60	41	22032	4.775	ug/l	93
15) Acrylonitrile	2.94	53	38071	19.400	ug/l	99
16) Acetone	2.32	43	41539	16.822	ug/l	99
17) Carbon Disulfide	2.48	76	36329	4.342	ug/l	99
18) Methyl Acetate	2.62	43	17485	3.563	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	42125	4.929	ug/l	100
20) Methylene Chloride	2.70	84	13524	3.986	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	12171	4.171	ug/l	98
22) Diisopropyl ether	3.57	45	42115	4.530	ug/l	# 86
23) Vinyl Acetate	3.53	43	185010	27.074	ug/l	99
24) 1,1-Dichloroethane	3.45	63	23602	4.054	ug/l	97
25) 2-Butanone	4.27	43	56253	19.051	ug/l	96
26) 2,2-Dichloropropane	4.23	77	22412	5.050	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	14571	4.595	ug/l	100
28) Bromochloromethane	4.55	49	10792	5.062	ug/l	90
29) Tetrahydrofuran	4.64	42	35533	21.088	ug/l	96
30) Chloroform	4.68	83	24034	4.075	ug/l	99
31) Cyclohexane	5.00	56	25753	4.461	ug/l	# 88
32) 1,1,1-Trichloroethane	4.92	97	21786	4.592	ug/l	97
36) 1,1-Dichloropropene	5.14	75	18143	4.195	ug/l	95
37) Ethyl Acetate	4.39	43	19044	3.927	ug/l	# 89
38) Carbon Tetrachloride	5.14	117	20081	4.876	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024500.D
 Acq On : 13 Jun 2018 11:56
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
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MMDadoda
 6/14/2018 9:44:22 AM

Quant Time: Jun 13 13:11:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	21450	4.590	ug/l	95
40) Benzene	5.39	78	51570	3.956	ug/l	97
41) Methacrylonitrile	4.55	41	10502	3.864	ug/l #	96
42) 1,2-Dichloroethane	5.41	62	19202	3.846	ug/l	95
43) Isopropyl Acetate	5.55	43	33034	4.473	ug/l	96
44) Trichloroethene	6.19	130	14144	4.164	ug/l	99
45) 1,2-Dichloropropane	6.44	63	13658	3.899	ug/l	99
46) Dibromomethane	6.56	93	9774	4.214	ug/l	95
47) Bromodichloromethane	6.76	83	19522	4.351	ug/l #	98
48) Methyl methacrylate	6.63	41	16278	4.496	ug/l	96
49) 1,4-Dioxane	6.62	88	6064	79.393	ug/l #	78
51) 4-Methyl-2-Pentanone	7.46	43	106169	19.926	ug/l	97
52) Toluene	7.64	92	32799	4.240	ug/l	98
53) t-1,3-Dichloropropene	7.89	75	20597	4.414	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	22013	4.323	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	12601	3.797	ug/l	94
56) Ethyl methacrylate	8.02	69	21683	5.013	ug/l	96
57) 1,3-Dichloropropane	8.25	76	22364	3.924	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	42363	19.043	ug/l	95
59) 2-Hexanone	8.36	43	85118	19.968	ug/l	99
60) Dibromochloromethane	8.48	129	15829	4.701	ug/l	99
61) 1,2-Dibromoethane	8.59	107	15039	4.332	ug/l	99
64) Tetrachloroethene	8.23	164	13962	5.008	ug/l	98
65) Chlorobenzene	9.12	112	36609	4.486	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	14186	5.064	ug/l	99
67) Ethyl Benzene	9.26	91	63907	4.856	ug/l	97
68) m/p-Xylenes	9.38	106	49256	9.826	ug/l	96
69) o-Xylene	9.78	106	24735	5.353	ug/l	94
70) Styrene	9.80	104	39411	5.010	ug/l	98
71) Bromoform	9.96	173	12764	5.279	ug/l #	95
73) Isopropylbenzene	10.17	105	63738	5.835	ug/l	98
74) N-amyl acetate	10.02	43	30047	6.077	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	20438	4.314	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	19256m	5.794	ug/l	
77) Bromobenzene	10.46	156	16104	5.324	ug/l	93
78) n-propylbenzene	10.59	91	75667	5.587	ug/l	96
79) 2-Chlorotoluene	10.66	91	43538	5.296	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	55557	5.997	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	7782m	4.967	ug/l	
82) 4-Chlorotoluene	10.78	91	50997	5.347	ug/l	98
83) tert-Butylbenzene	11.10	119	53481	5.931	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	56228	6.006	ug/l	99
85) sec-Butylbenzene	11.33	105	66144	5.842	ug/l	97
86) p-Isopropyltoluene	11.48	119	58336	5.830	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	28681	4.933	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	29793	4.895	ug/l	98
89) n-Butylbenzene	11.90	91	50235	5.102	ug/l	96
90) Hexachloroethane	12.15	117	11278	6.287	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	29119	5.009	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	5526	5.714	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024500.D
 Acq On : 13 Jun 2018 11:56
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
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Quant Time: Jun 13 13:11:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	15864	4.620	ug/l	96
94) Hexachlorobutadiene	13.70	225	9879	4.843	ug/l	100
95) Naphthalene	13.75	128	44133	4.700	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	15680	4.519	ug/l	97

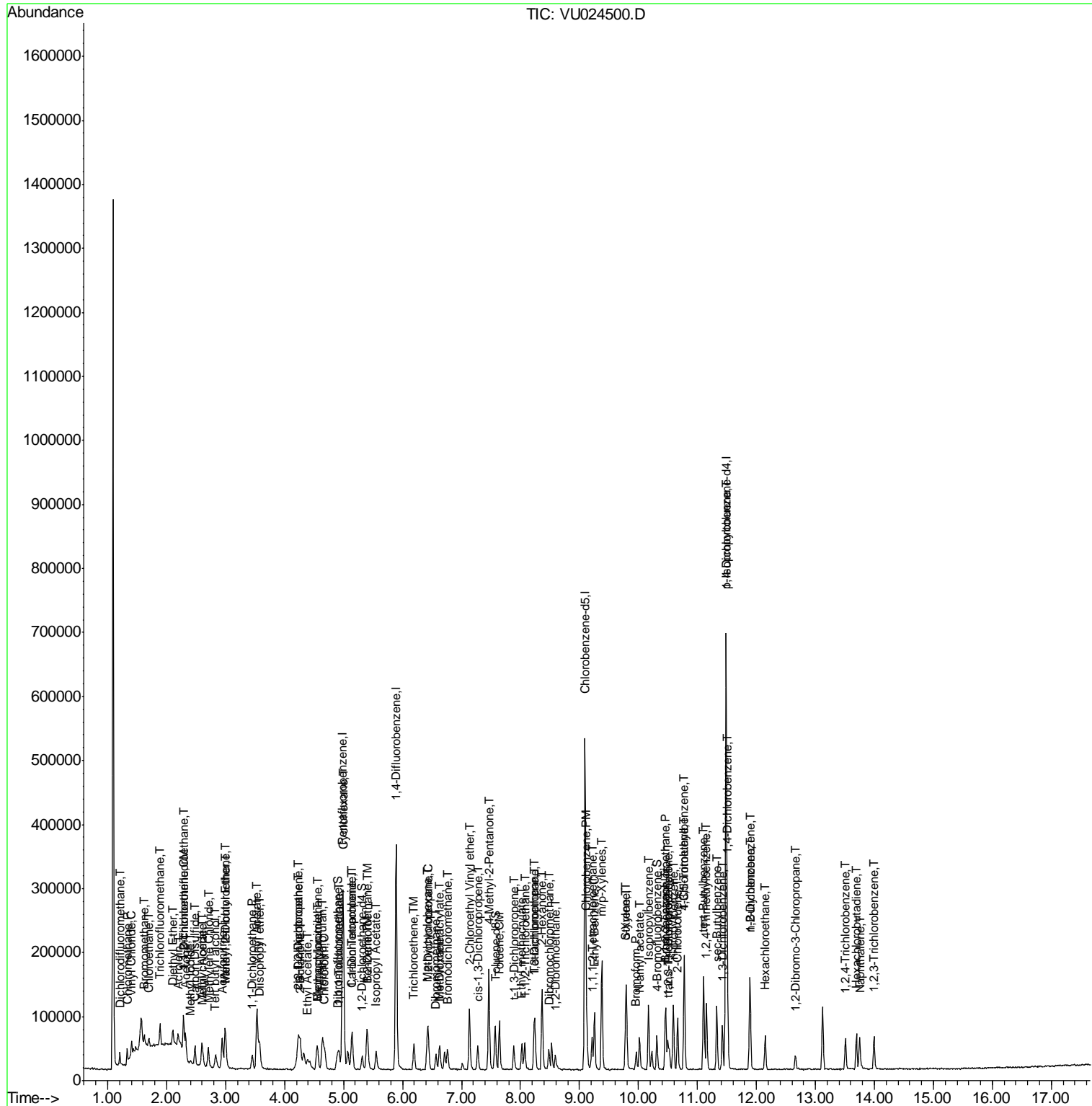
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024500.D
 Acq On : 13 Jun 2018 11:56
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

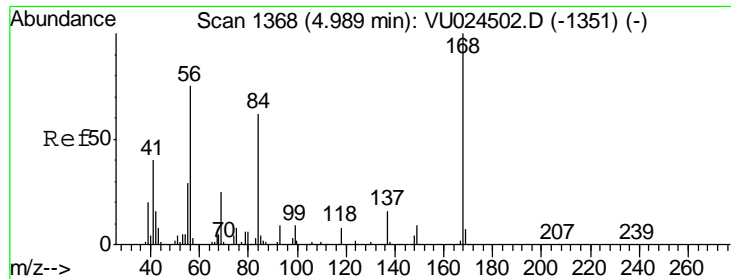
Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC005

Quant Time: Jun 13 13:11:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Manual Integrations
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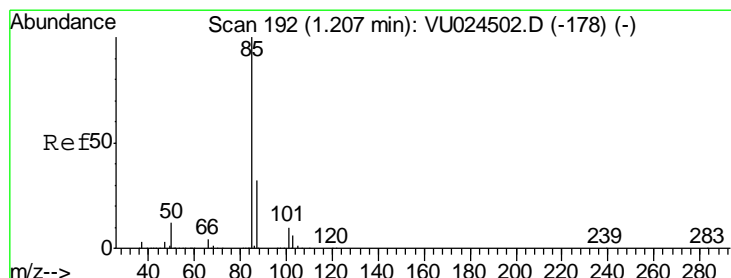
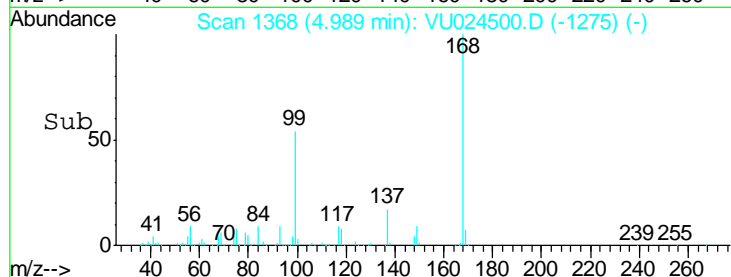
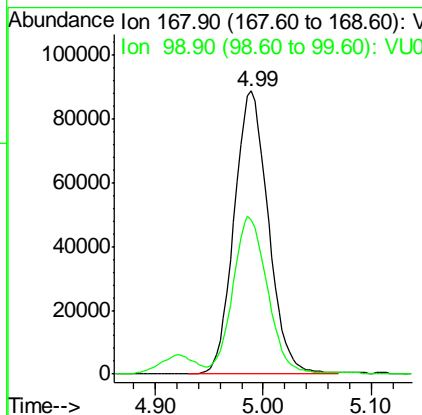
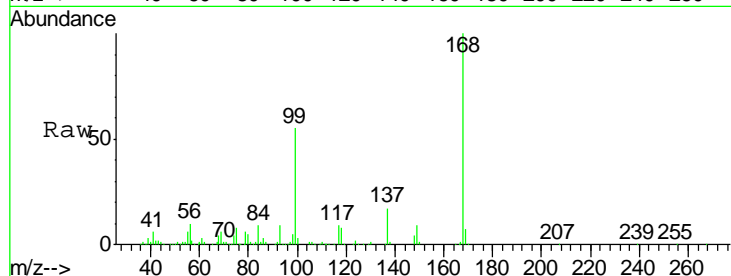
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
168	195345		
99	54.1	43.2	64.8

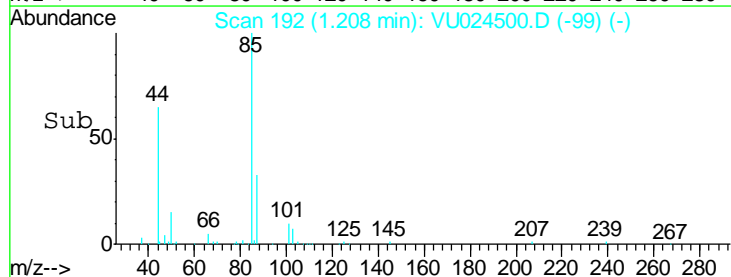
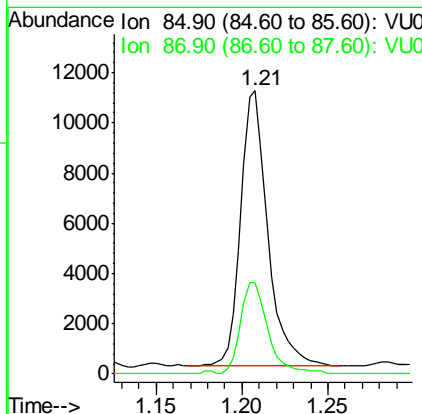
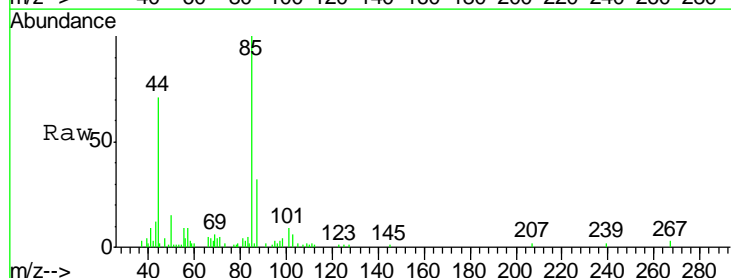
Manual Integrations
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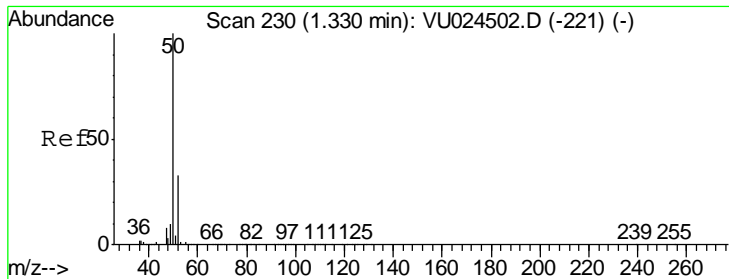
MMDadoda
 6/14/2018 9:44:22 AM



#2
 Dichlorodifluoromethane
 Concen: 4.073 ug/l
 RT: 1.21 min Scan# 192
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
85	12061		
87	33.2	16.1	48.2



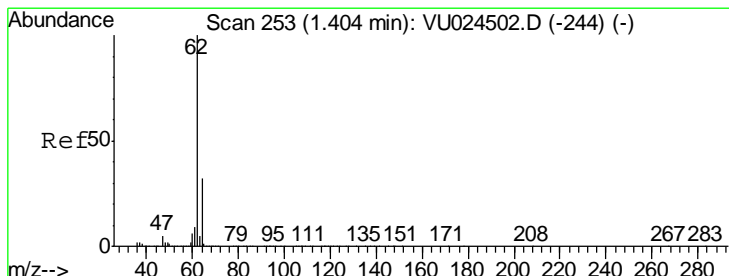
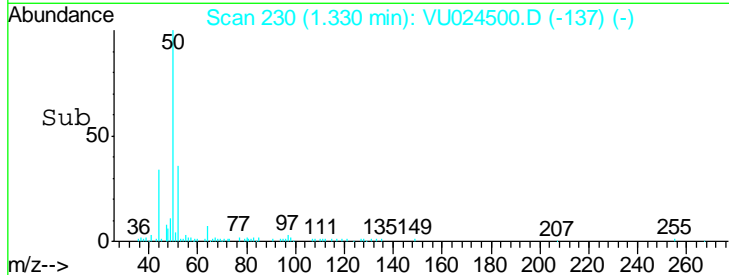
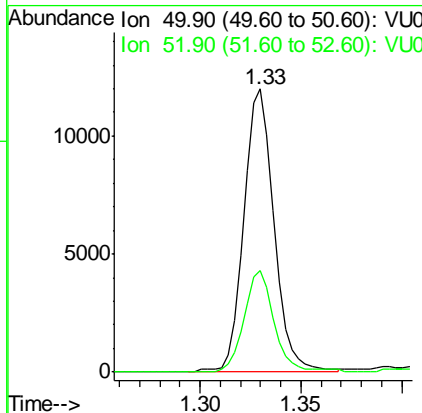
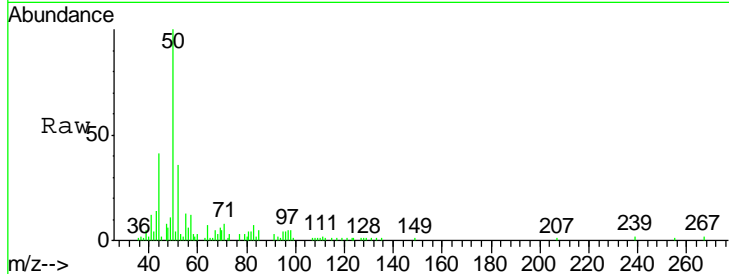


#3
 Chloromethane
 Concen: 3.666 ug/l
 RT: 1.33 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
50	12647		
52	36.0	26.4	39.6

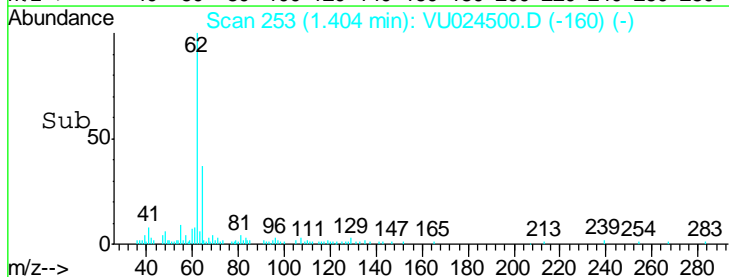
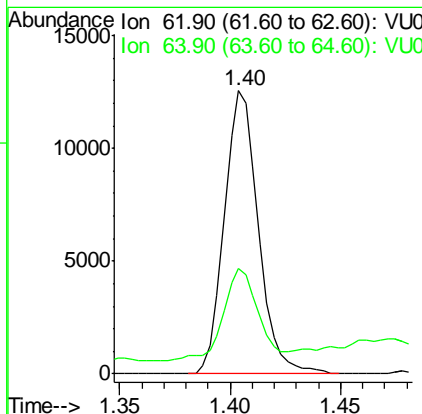
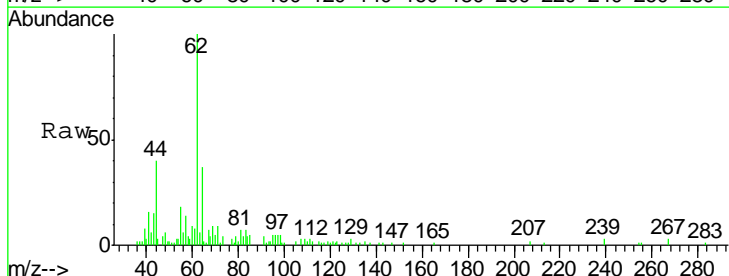
Instrument : MSVOA_U
 ClientSampled : VSTDIC005

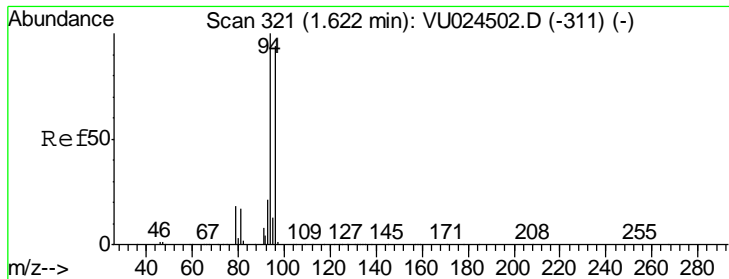
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#4
 Vinyl Chloride
 Concen: 3.493 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

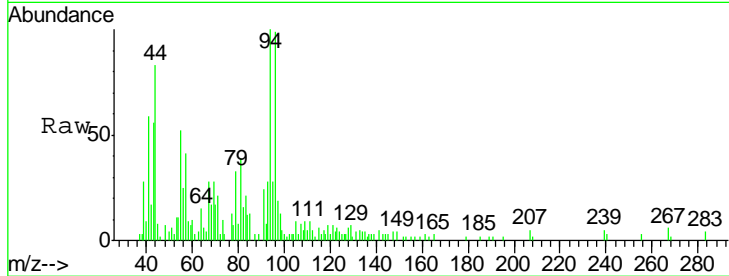
Tgt Ion	Resp	Lower	Upper
62	13415		
64	30.9	24.8	37.2





#5
 Bromomethane
 Concen: 2.985 ug/l
 RT: 1.62 min Scan# 320
 Delta R.T. -0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

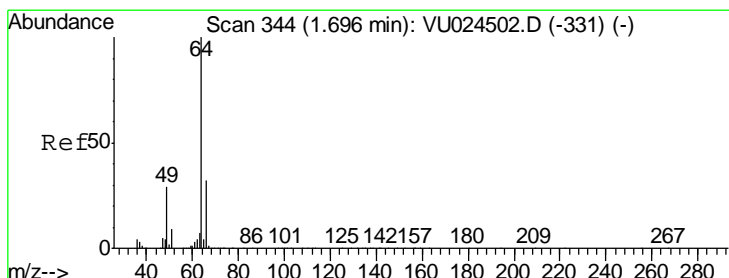
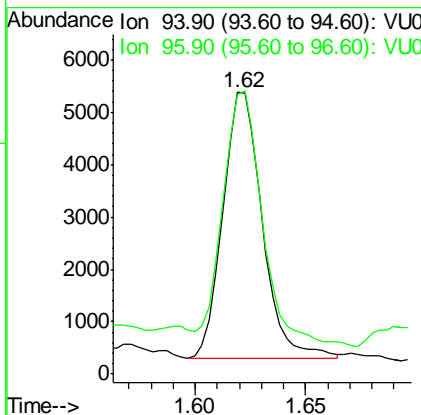
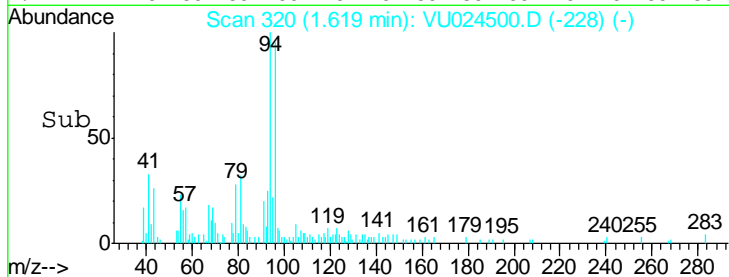
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



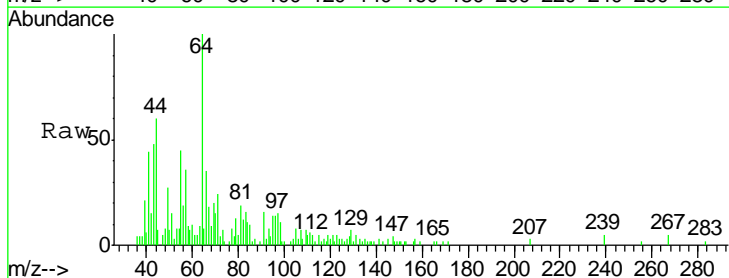
Tgt Ion	Resp	Lower	Upper
94	100		
96	93.2	74.5	111.7

Manual Integrations
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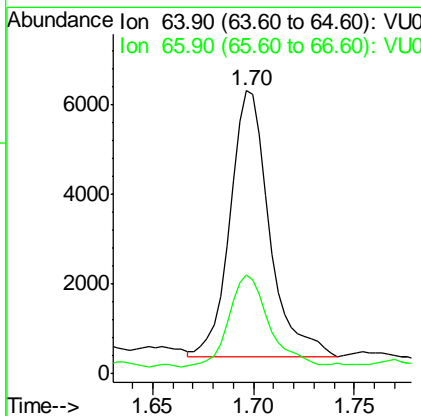
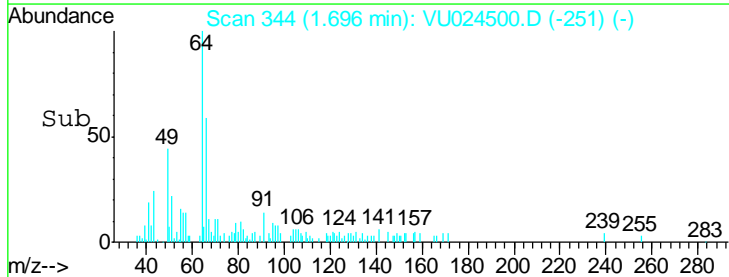
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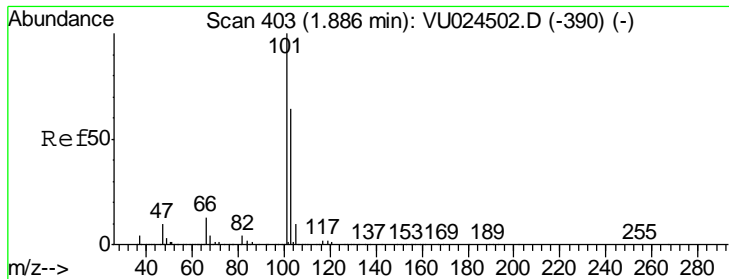


#6
 Chloroethane
 Concen: 3.099 ug/l
 RT: 1.70 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



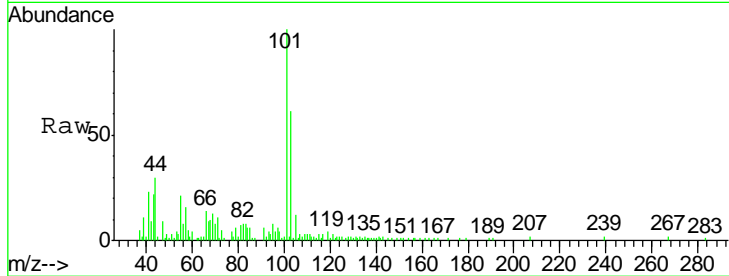
Tgt Ion	Resp	Lower	Upper
64	100		
66	34.3	25.5	38.3





#7
 Trichlorofluoromethane
 Concen: 3.862 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

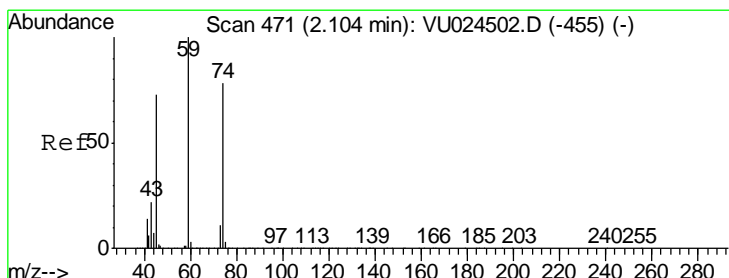
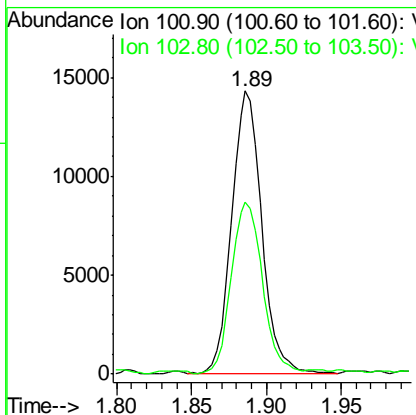
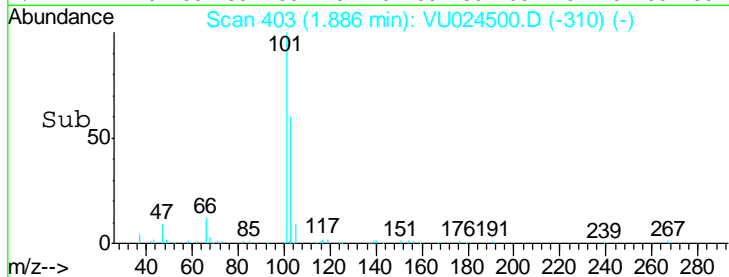
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



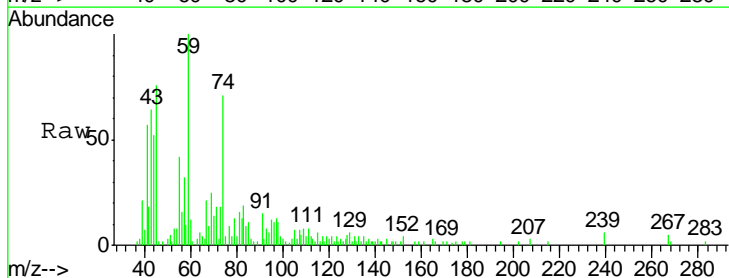
Tgt Ion: 101 Resp: 20143
 Ion Ratio Lower Upper
 101 100
 103 59.9 52.3 78.5

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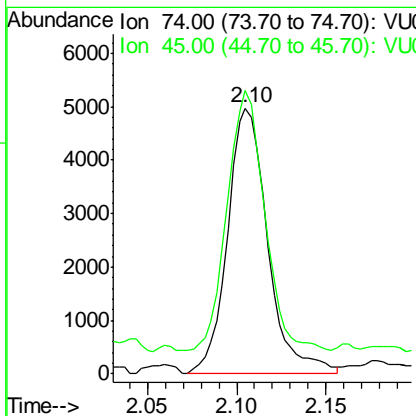
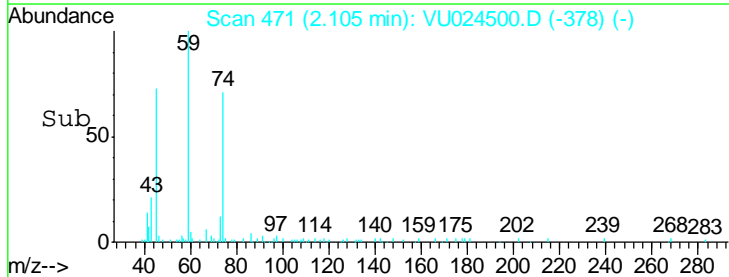
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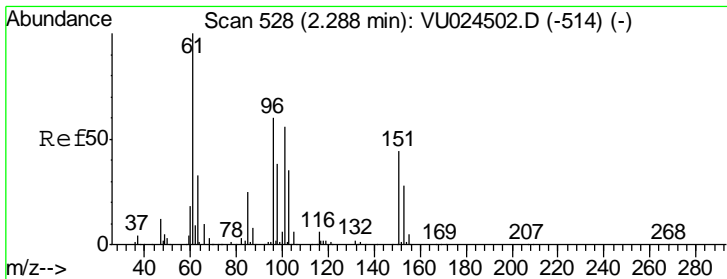


#8
 Diethyl Ether
 Concen: 3.733 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



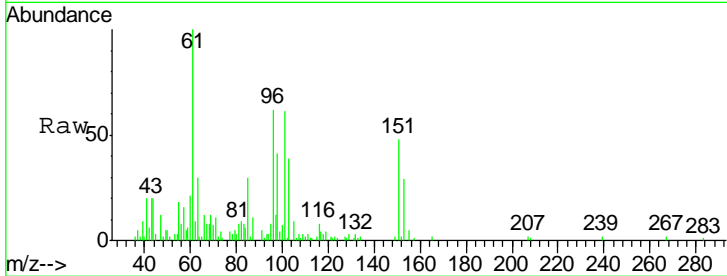
Tgt Ion: 74 Resp: 7783
 Ion Ratio Lower Upper
 74 100
 45 91.2 55.0 165.0





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.206 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

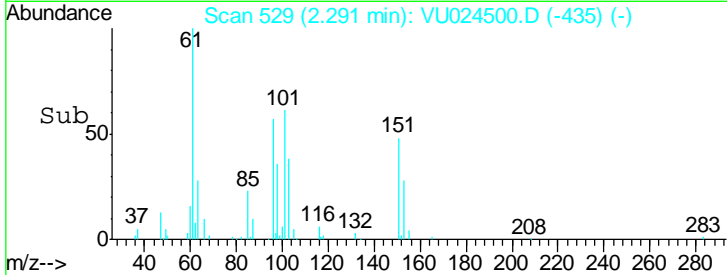
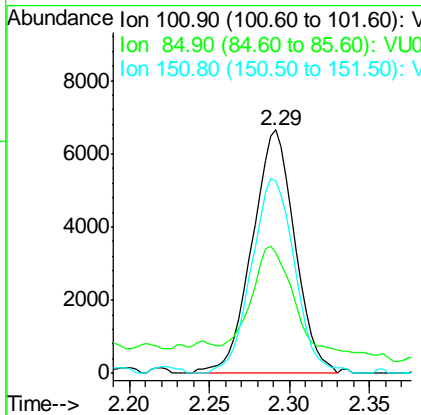
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
101	12212		
101	100		
85	54.2	36.0	54.0#
151	80.8	62.3	93.5

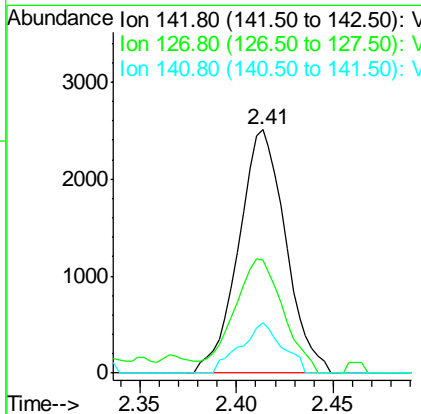
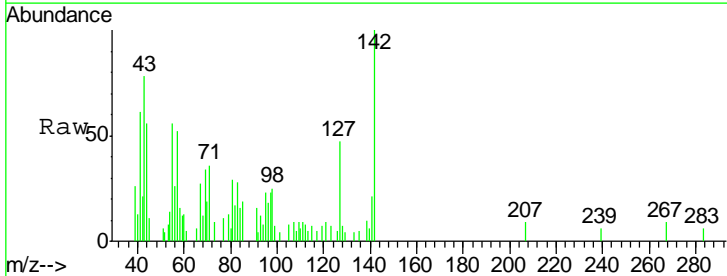
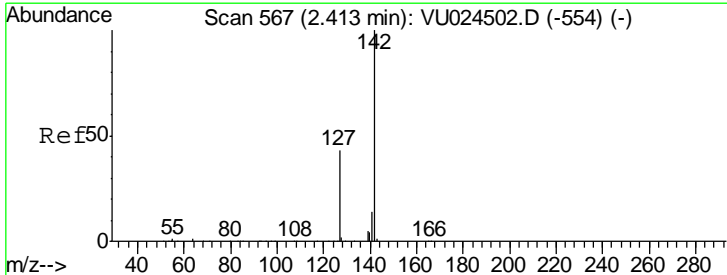
Manual Integrations
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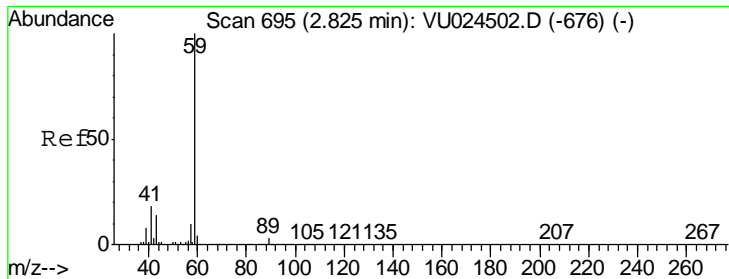
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#10
 Methyl Iodide
 Concen: 2.307 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

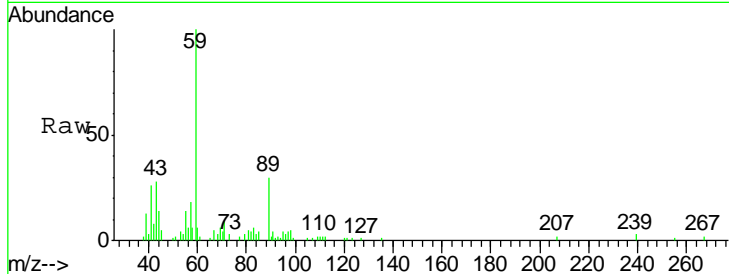
Tgt Ion	Resp	Lower	Upper
142	4246		
142	100		
127	49.9	35.6	53.4
141	18.4	11.7	17.5#





#11
 Tert butyl alcohol
 Concen: 31.153 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

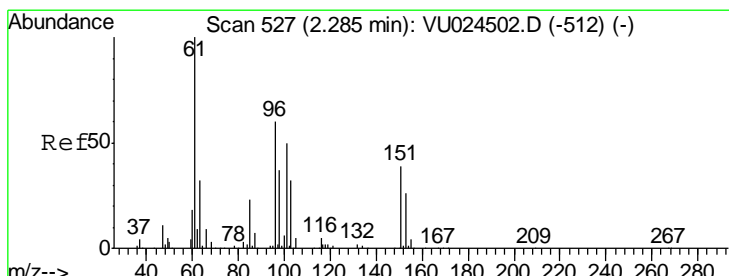
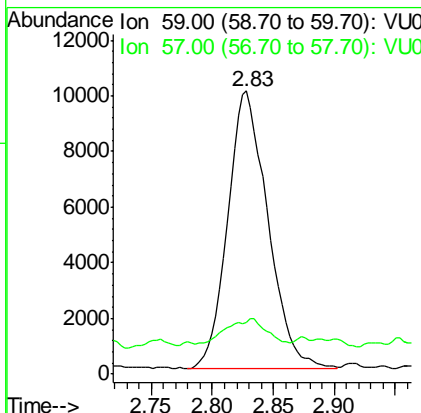
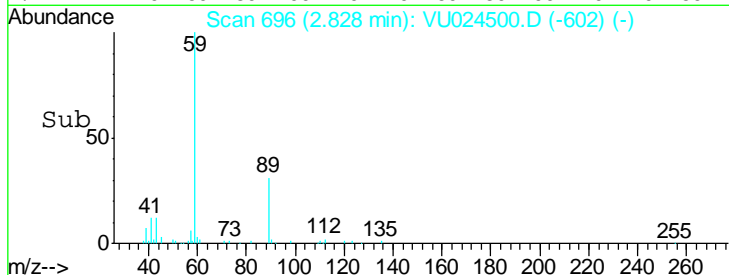
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



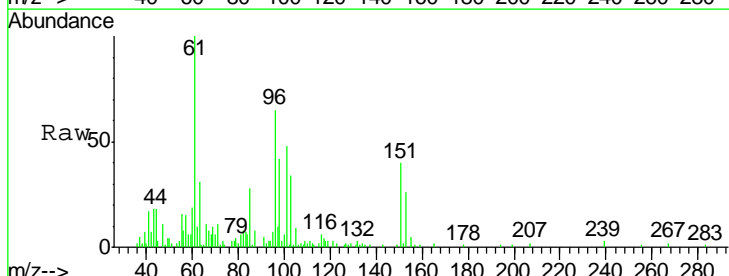
Tgt Ion: 59 Resp: 22890
 Ion Ratio Lower Upper
 59 100
 57 9.0 8.5 12.7

Manual Integrations
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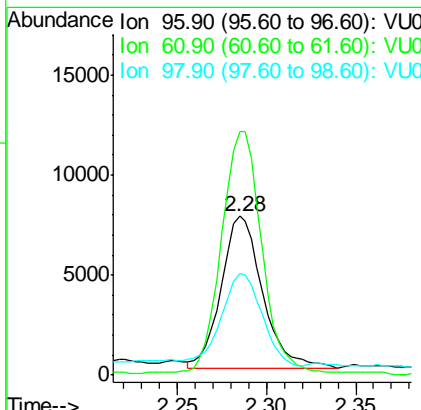
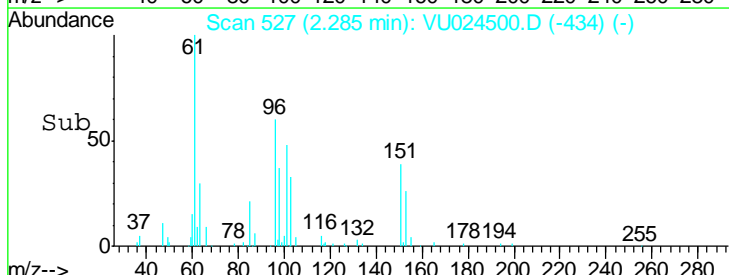
MMDadoda
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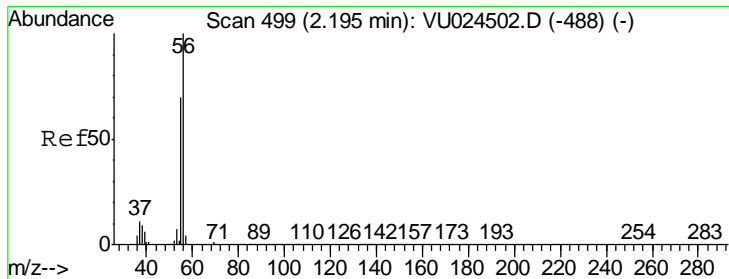


#12
 1,1-Dichloroethene
 Concen: 4.475 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



Tgt Ion: 96 Resp: 12171
 Ion Ratio Lower Upper
 96 100
 61 158.4 141.7 212.5
 98 59.9 51.6 77.4





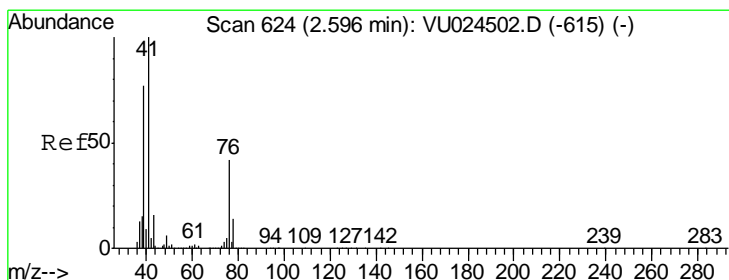
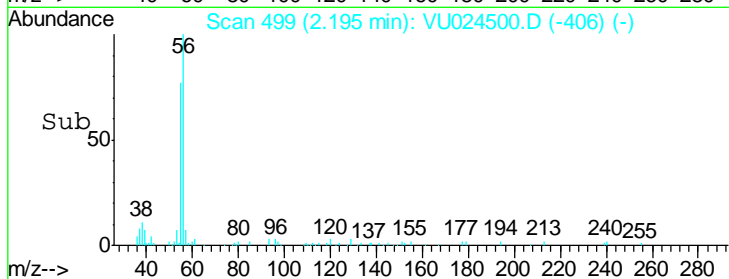
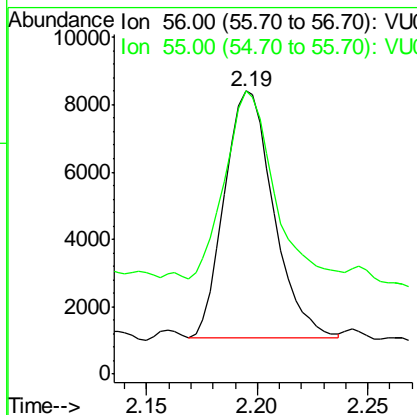
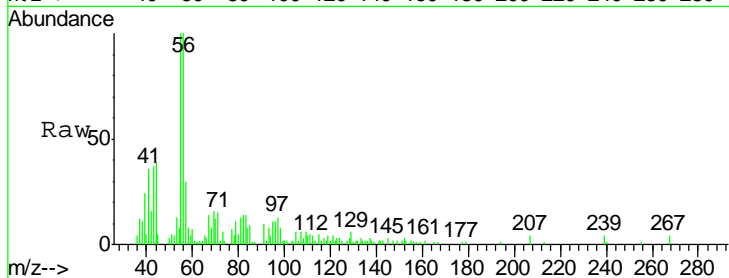
#13
 Acrolein
 Concen: 14.883 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	11383		
55	74.7	58.4	87.6

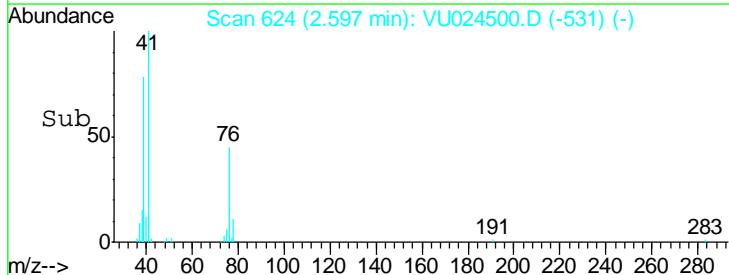
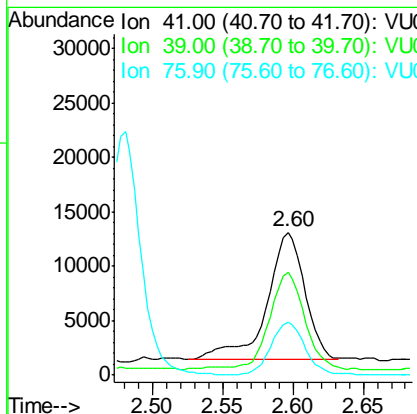
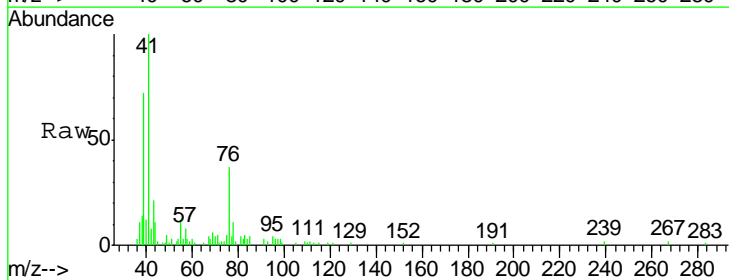
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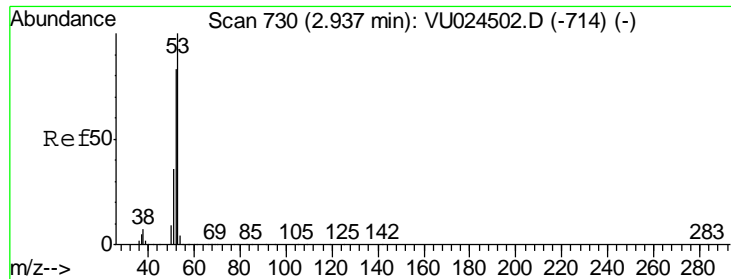
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#14
 Allyl chloride
 Concen: 4.775 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
41	22032		
39	68.7	61.6	92.4
76	37.3	29.7	44.5





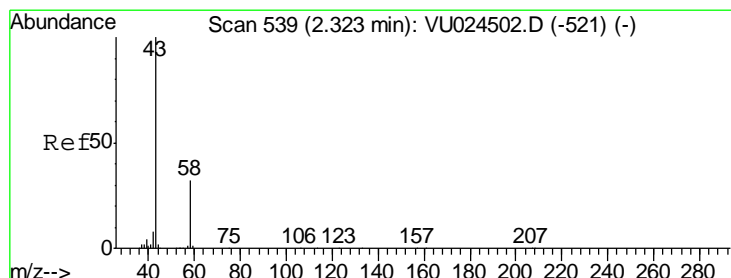
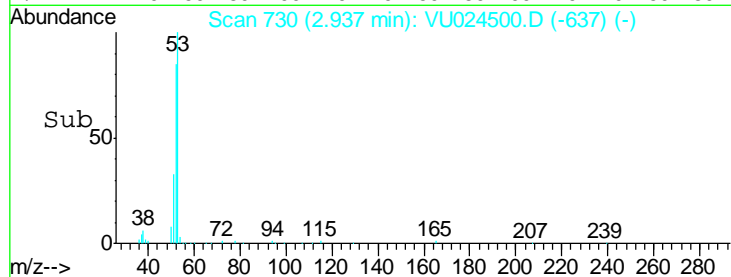
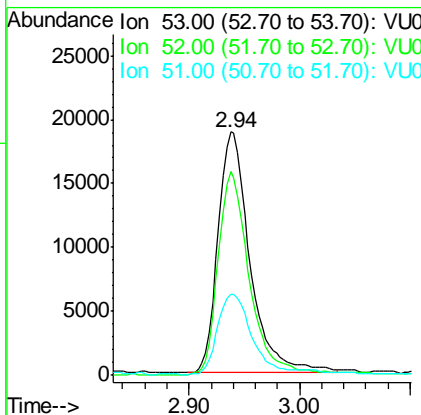
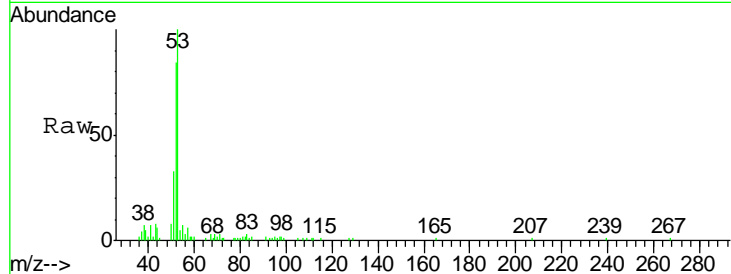
#15
 Acrylonitrile
 Concen: 19.400 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
53	38071		
52	83.3	67.1	100.7
51	36.7	28.4	42.6

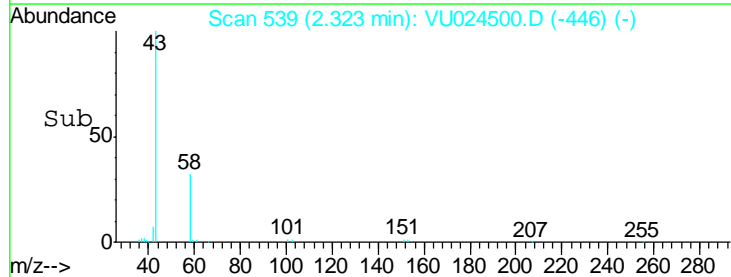
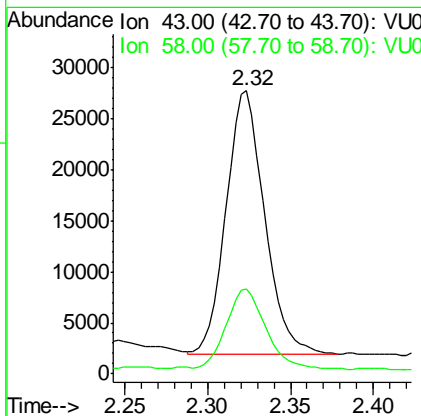
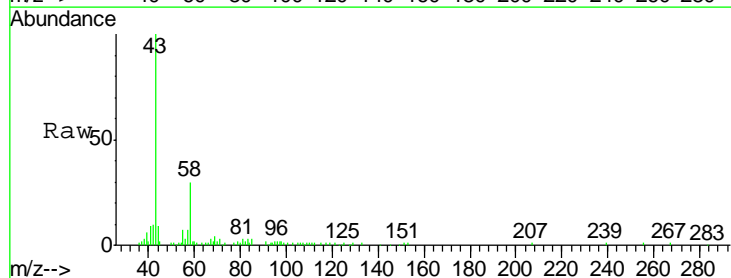
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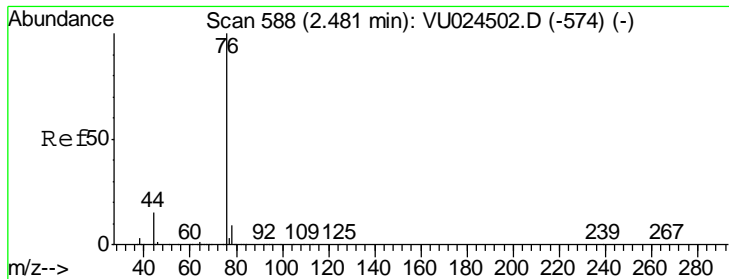
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#16
 Acetone
 Concen: 16.822 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
43	41539		
58	30.1	24.4	36.6





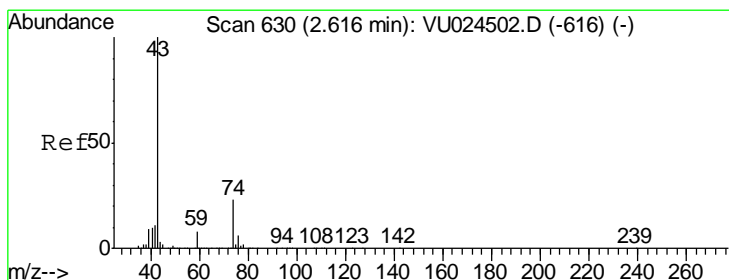
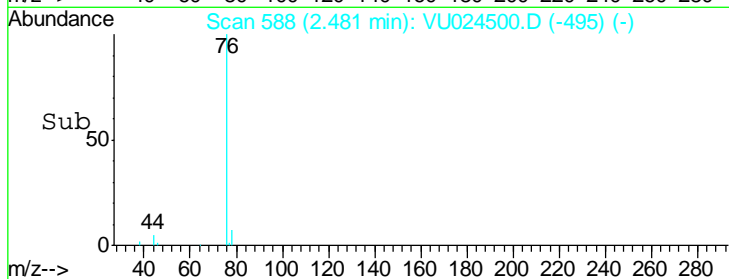
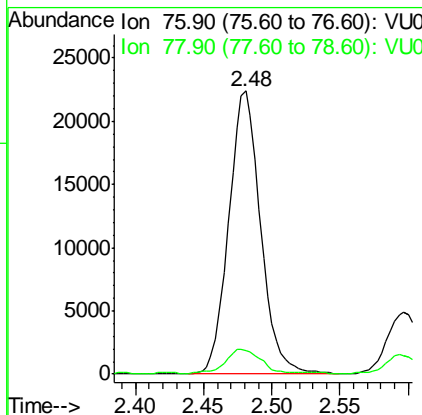
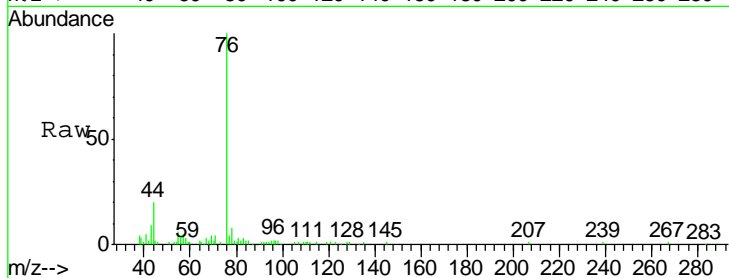
#17
 Carbon Disulfide
 Concen: 4.342 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	36329		
76	100		
78	8.5	7.1	10.7

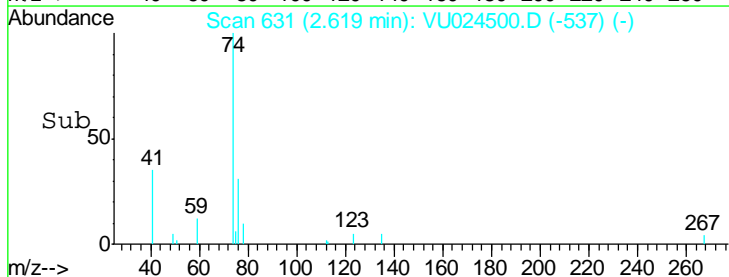
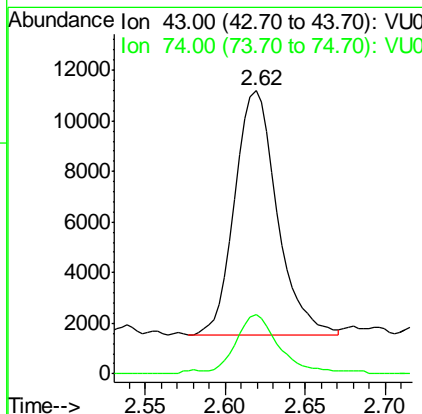
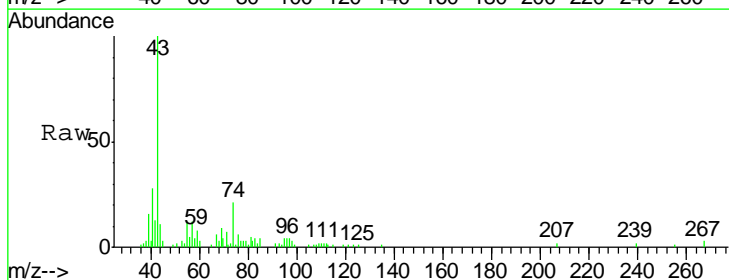
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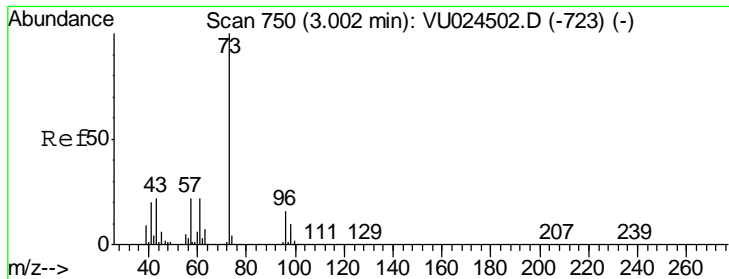
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#18
 Methyl Acetate
 Concen: 3.563 ug/l
 RT: 2.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
43	17485		
43	100		
74	22.8	18.0	27.0





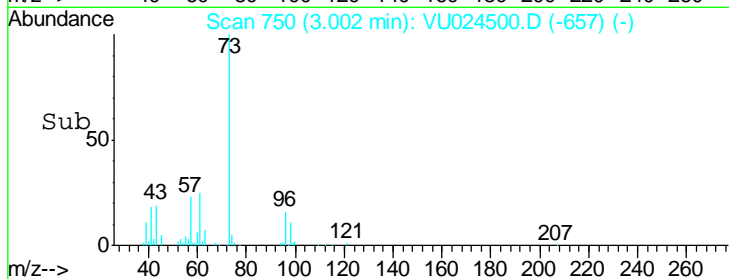
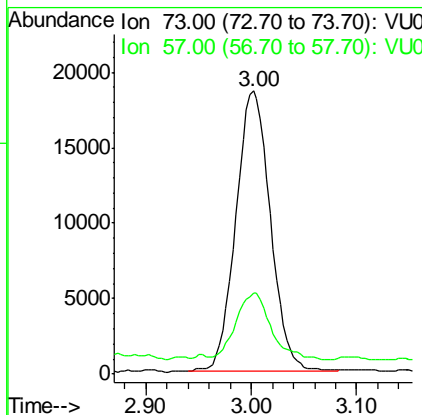
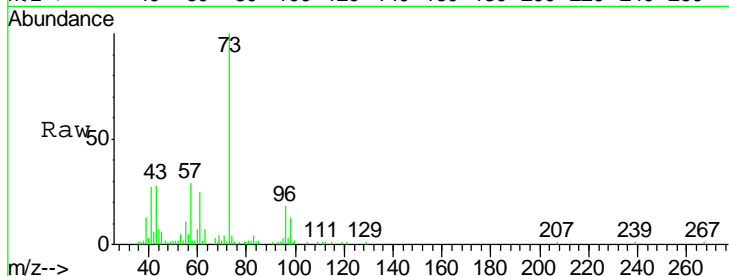
#19
 Methyl tert-butyl Ether
 Concen: 4.929 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
73	42125	100	
57	23.5	18.8	28.2

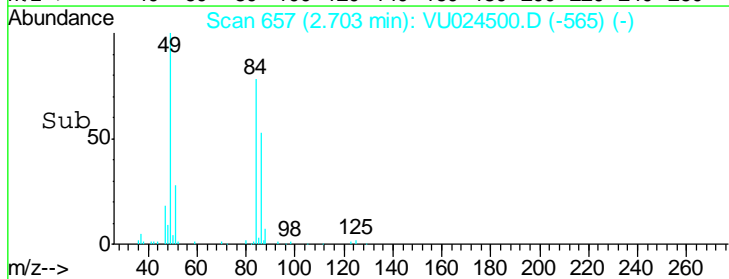
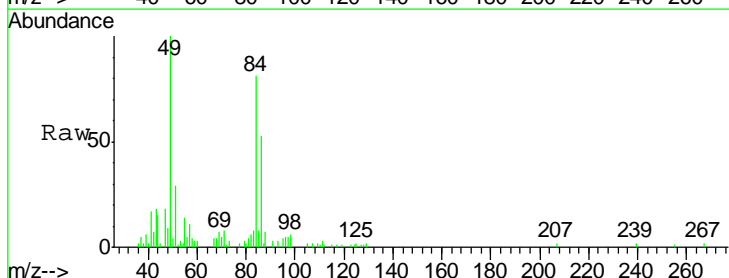
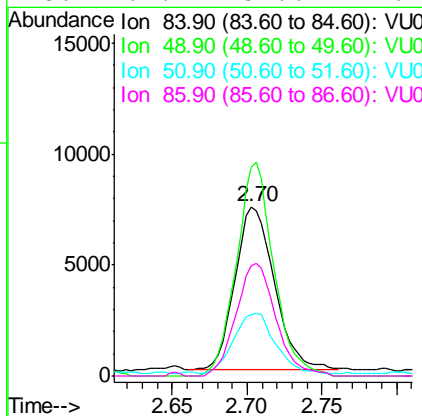
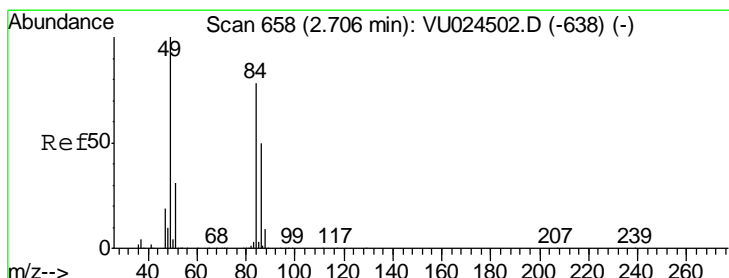
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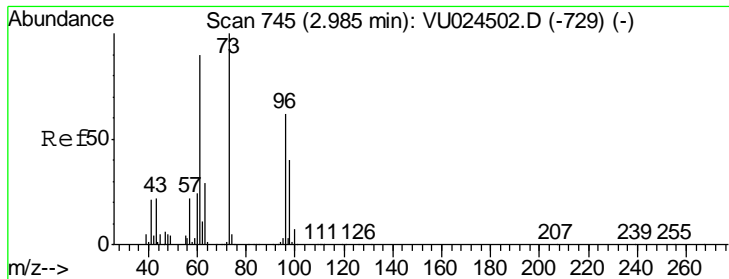
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#20
 Methylene Chloride
 Concen: 3.986 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

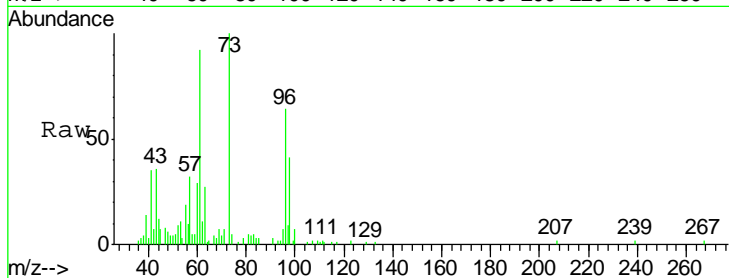
Tgt Ion	Resp	Lower	Upper
84	13524	100	
49	127.9	103.8	155.8
51	35.7	32.0	48.0
86	67.2	51.6	77.4





#21
 trans-1,2-Dichloroethene
 Concen: 4.171 ug/l
 RT: 2.99 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

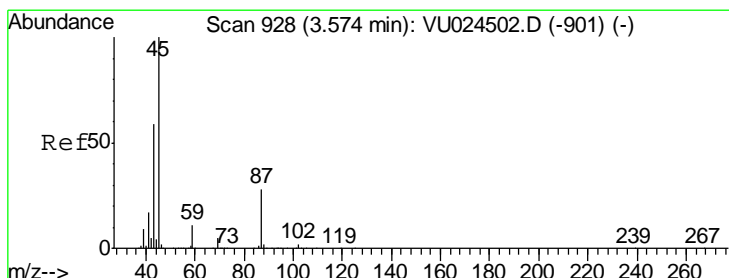
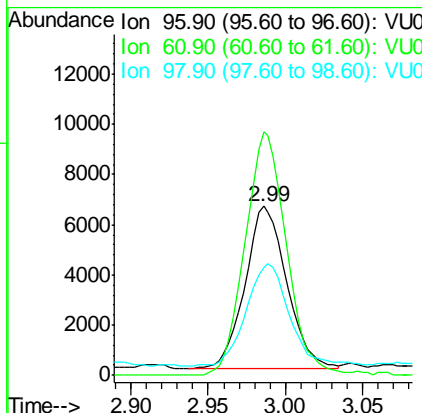
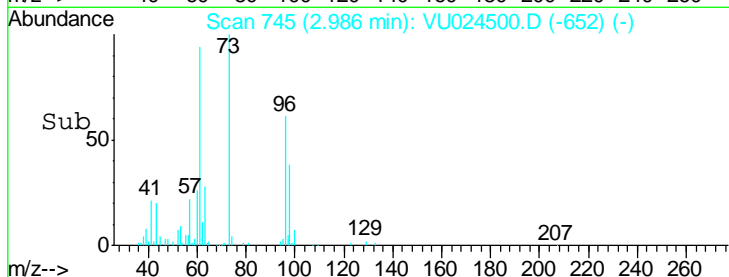


Tgt Ion: 96 Resp: 12171

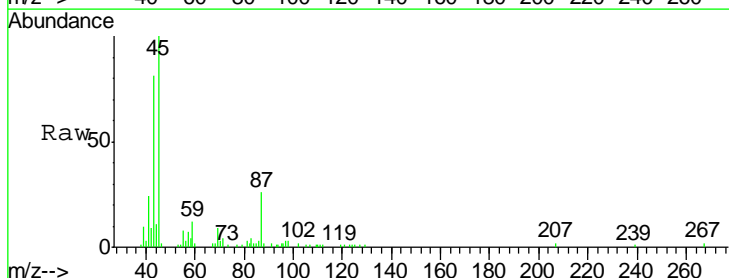
Ion	Ratio	Lower	Upper
96	100		
61	150.0	119.4	179.0
98	60.8	51.1	76.7

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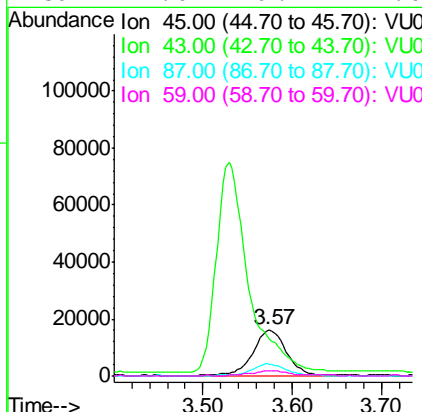
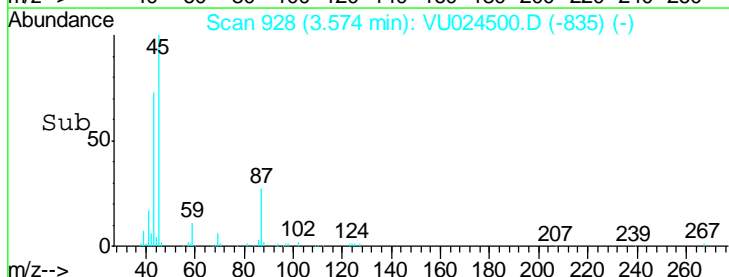


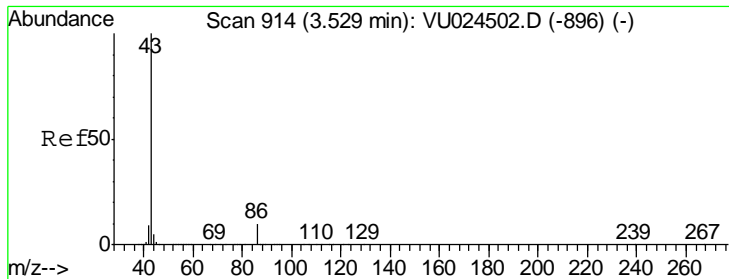
#22
 Diisopropyl ether
 Concen: 4.530 ug/l
 RT: 3.57 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



Tgt Ion: 45 Resp: 42115

Ion	Ratio	Lower	Upper
45	100		
43	73.9	45.8	68.6#
87	26.7	20.6	31.0
59	11.0	9.4	14.0





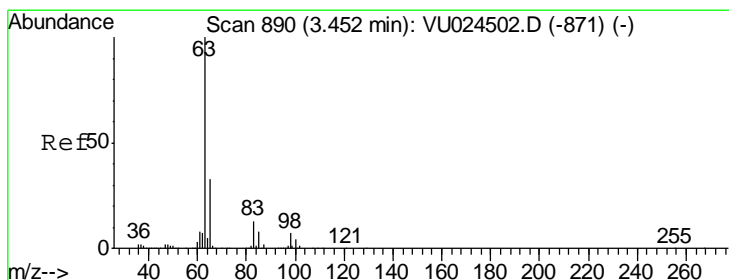
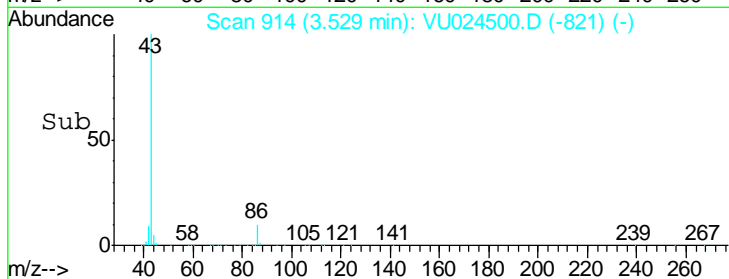
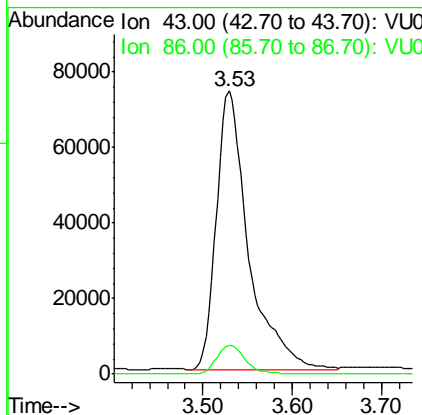
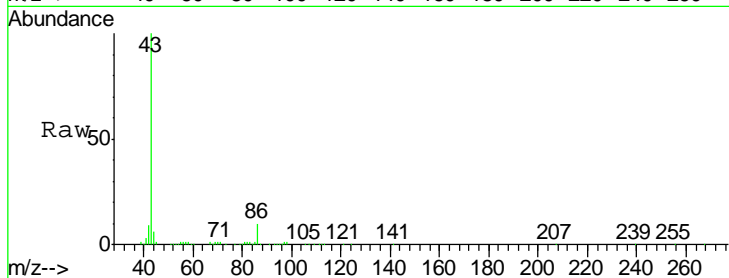
#23
 Vinyl Acetate
 Concen: 27.074 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
43	185010		
86	10.3	7.8	11.8

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

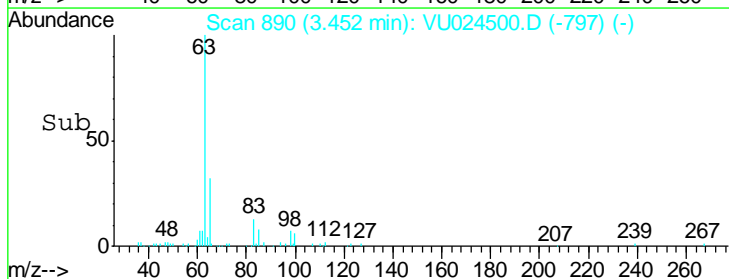
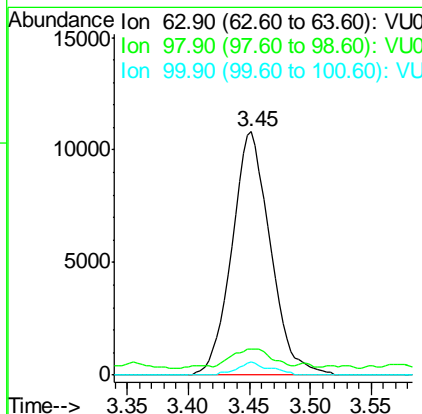
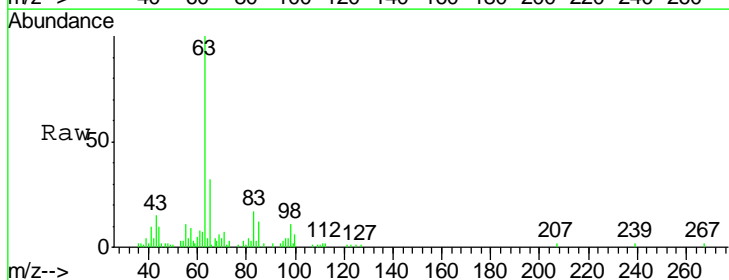
Manual Integrations
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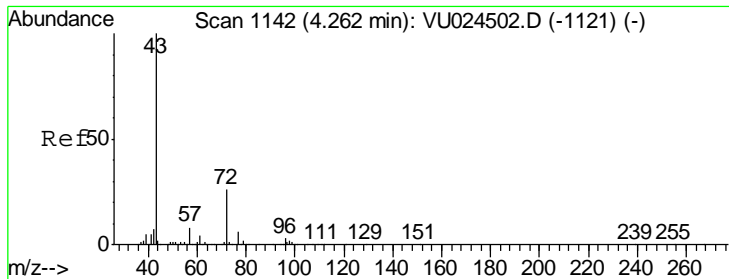
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#24
 1,1-Dichloroethane
 Concen: 4.054 ug/l
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
63	23602		
98	7.3	3.5	10.4
100	5.5	1.8	5.5





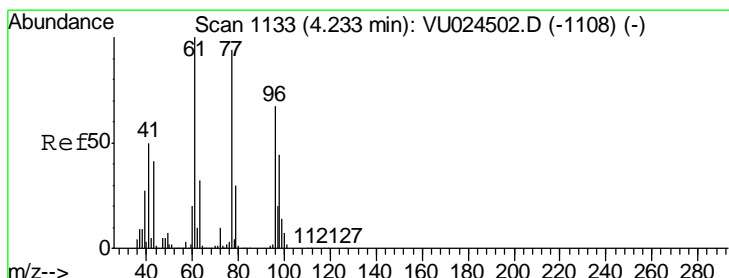
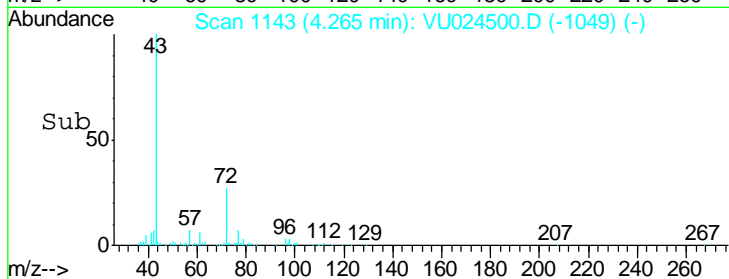
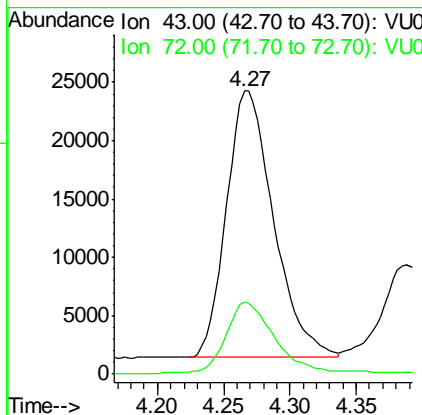
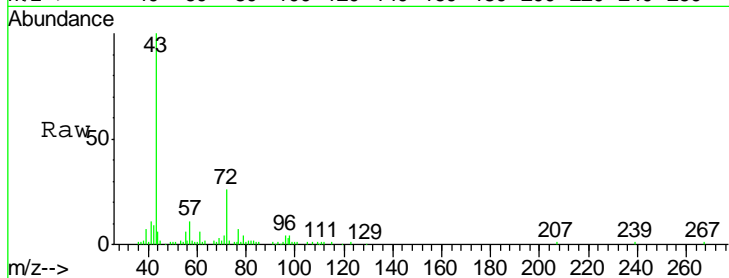
#25
 2-Butanone
 Concen: 19.051 ug/l
 RT: 4.27 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.5	19.6	29.4

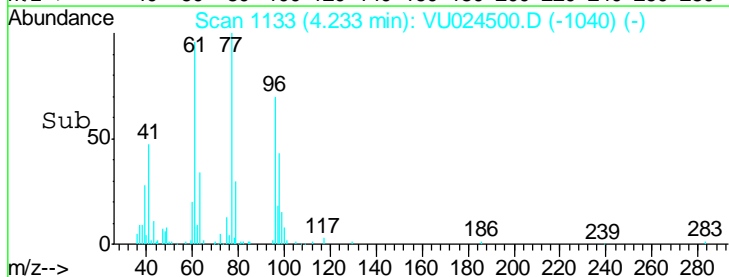
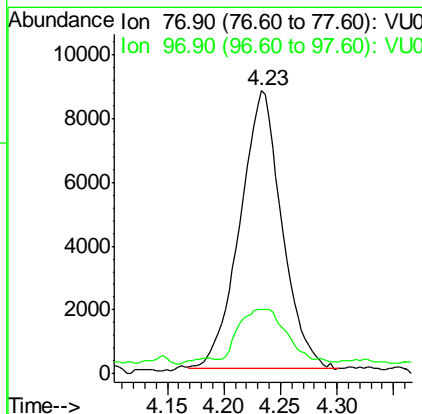
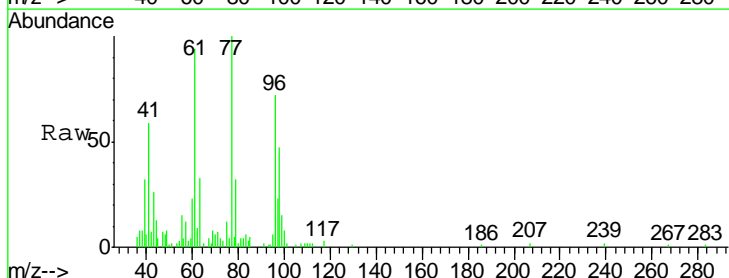
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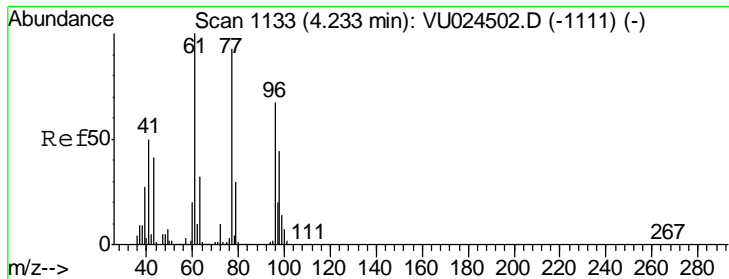
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#26
 2,2-Dichloropropane
 Concen: 5.050 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
77	100		
97	22.2	11.3	33.8





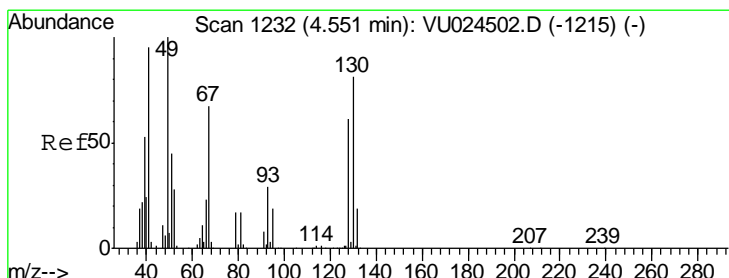
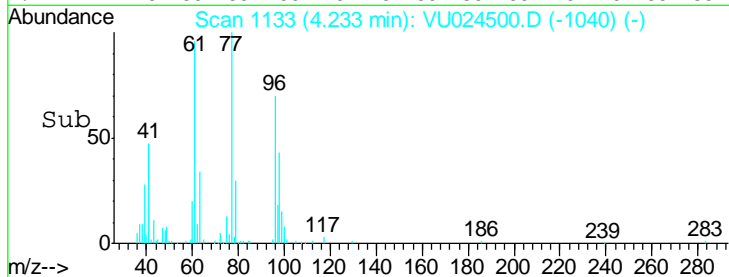
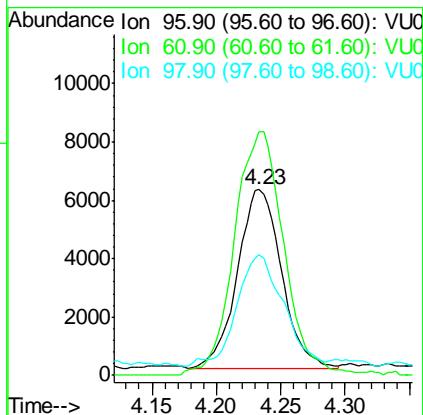
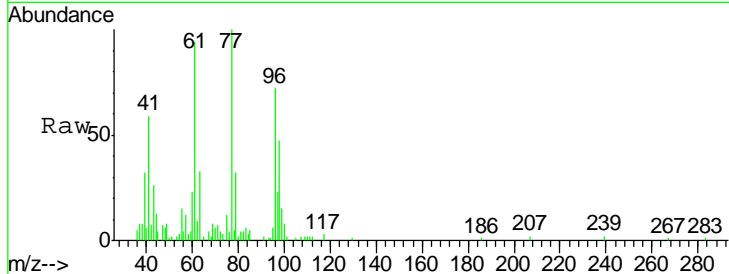
#27
 cis-1,2-Dichloroethene
 Concen: 4.595 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	14571		
61	153.1	0.0	306.6
98	64.1	0.0	128.8

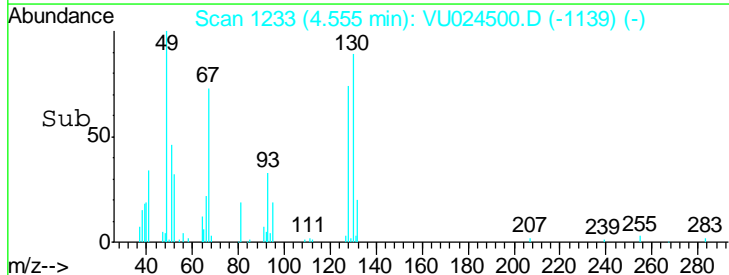
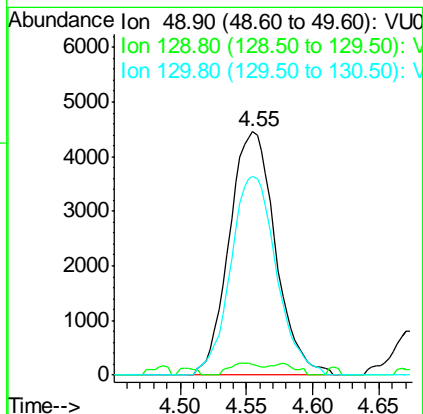
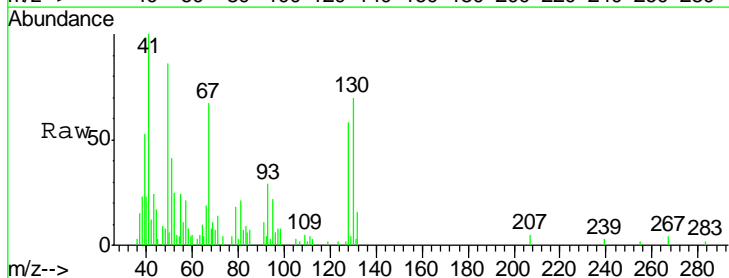
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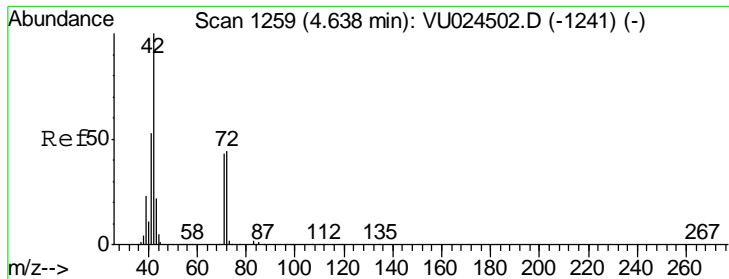
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#28
 Bromochloromethane
 Concen: 5.062 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
49	10792		
129	3.1	0.0	3.8
130	81.0	57.8	86.6





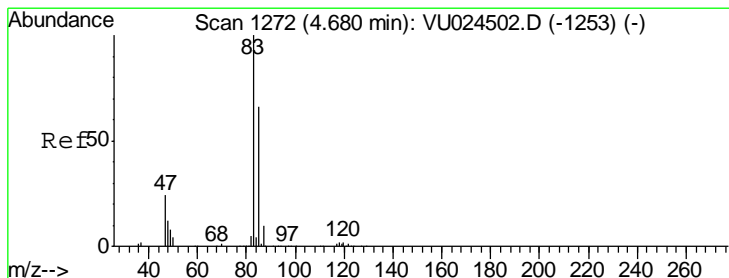
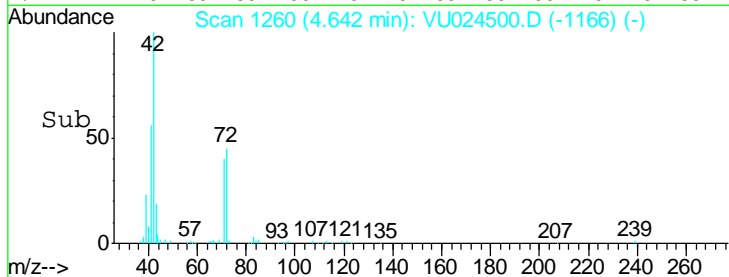
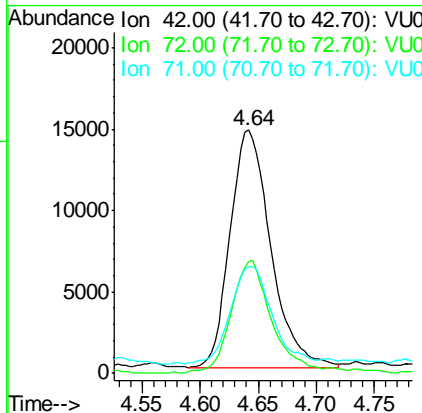
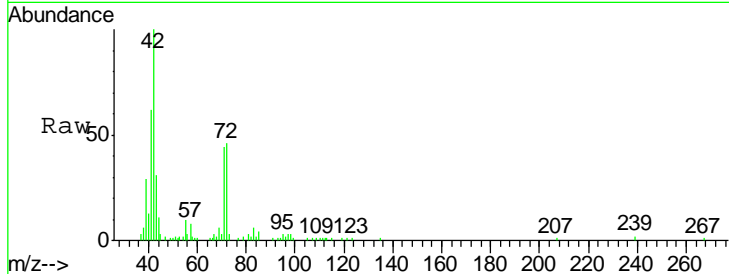
#29
 Tetrahydrofuran
 Concen: 21.088 ug/l
 RT: 4.64 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
42	35533		
72	46.9	34.5	51.7
71	41.3	32.2	48.4

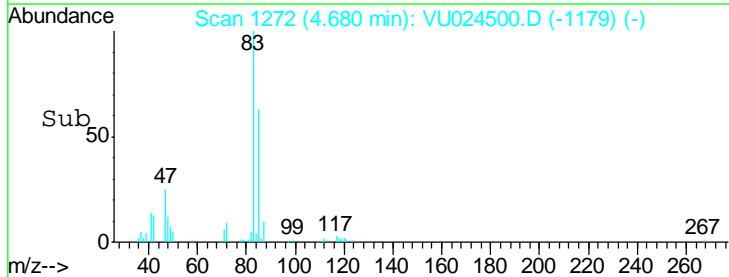
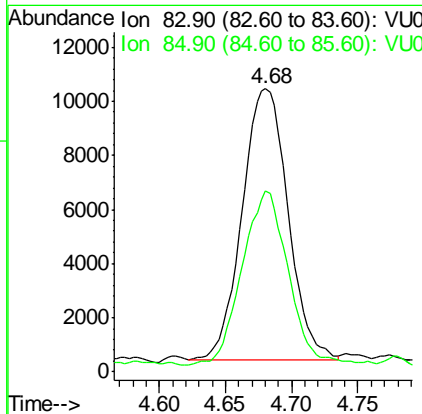
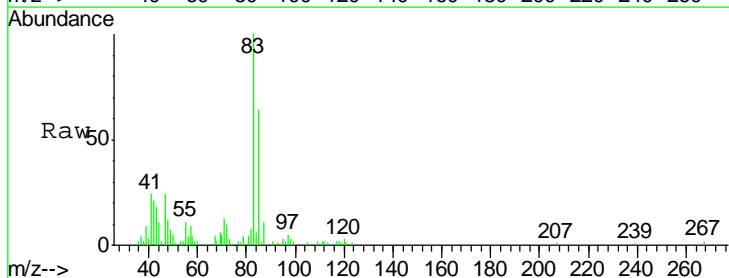
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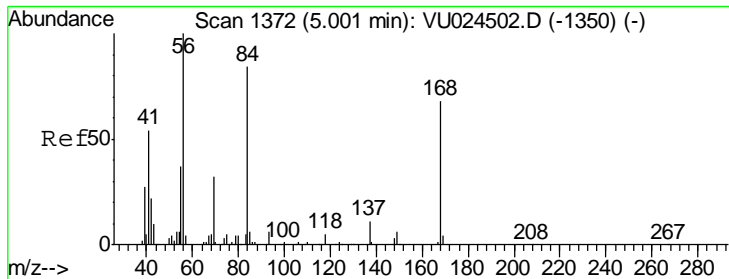
MMDadoda
 6/14/2018 9:44:22 AM



#30
 Chloroform
 Concen: 4.075 ug/l
 RT: 4.68 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
83	24034		
85	64.4	52.4	78.6





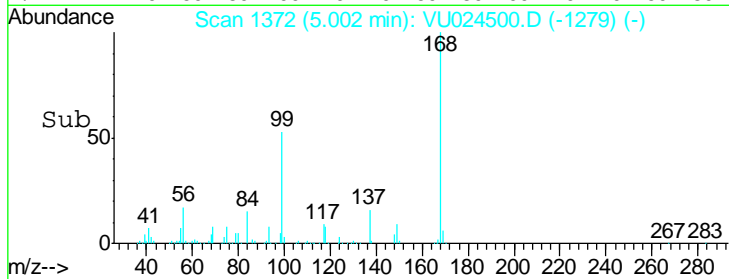
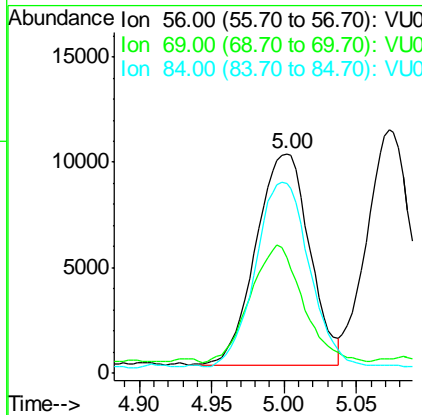
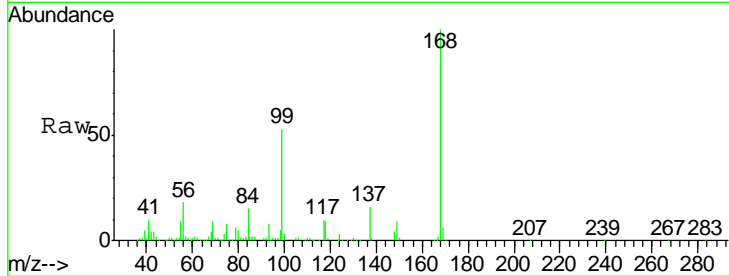
#31
 Cyclohexane
 Concen: 4.461 ug/l
 RT: 5.00 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	100		
69	47.7	24.8	37.2#
84	86.1	65.2	97.8

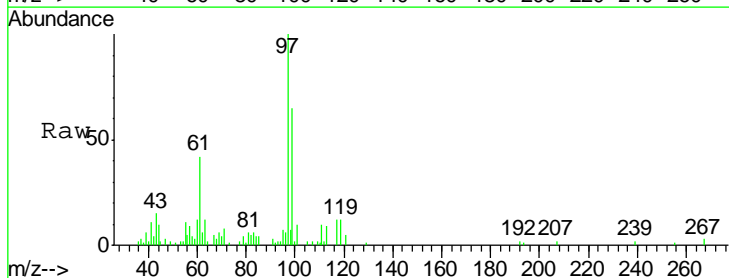
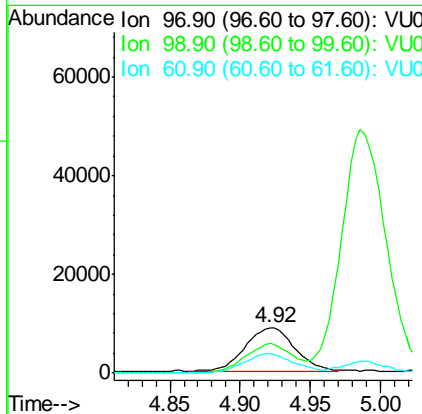
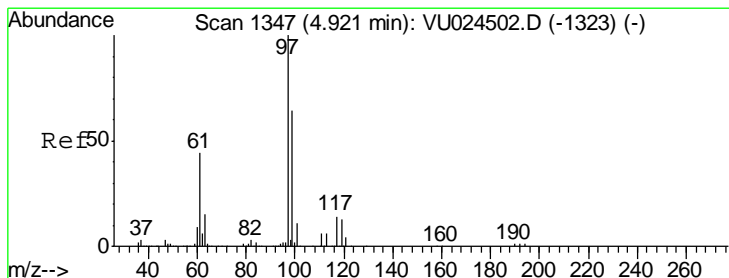
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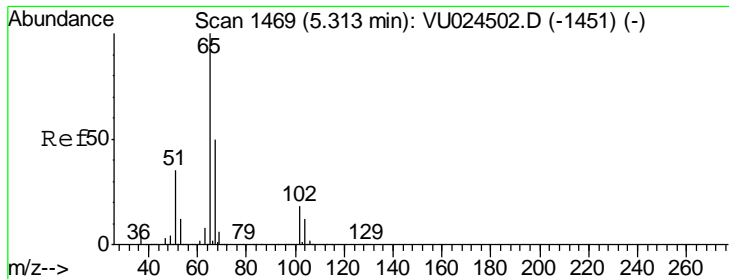
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 6/14/2018 9:44:22 AM



#32
 1,1,1-Trichloroethane
 Concen: 4.592 ug/l
 RT: 4.92 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	44.8	39.4	59.0





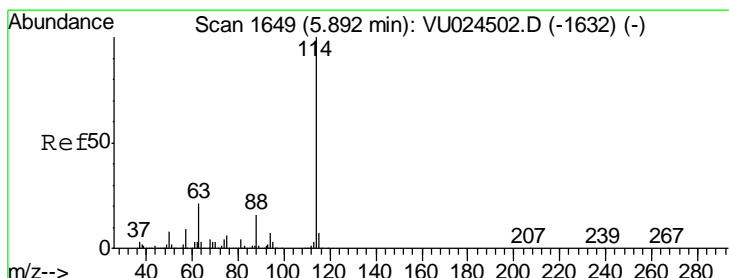
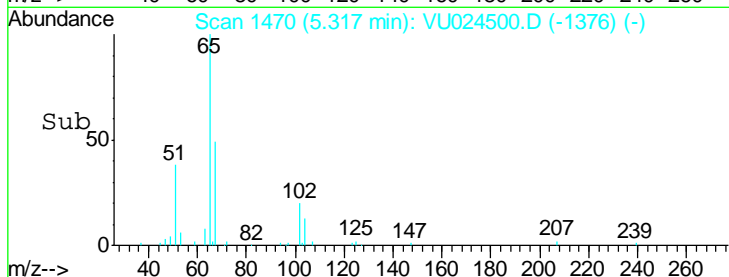
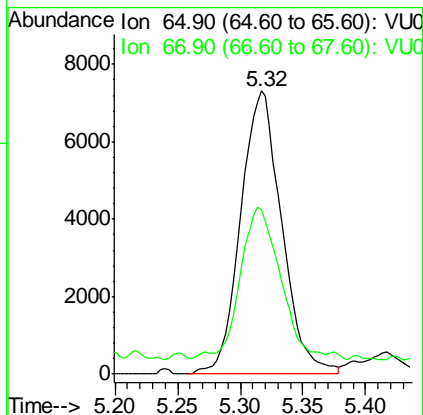
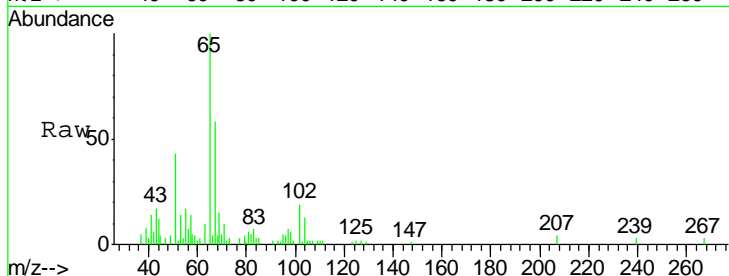
#33
 1,2-Dichloroethane-d4
 Concen: 4.318 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
65	16702		
67	48.0	0.0	107.0

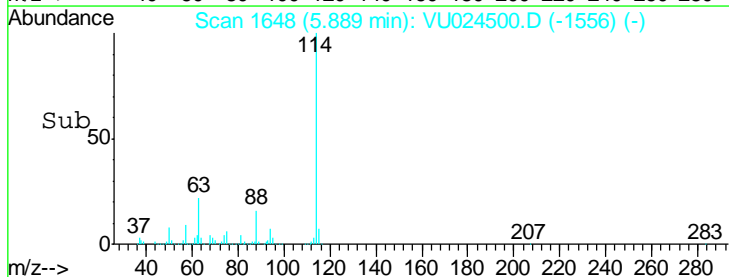
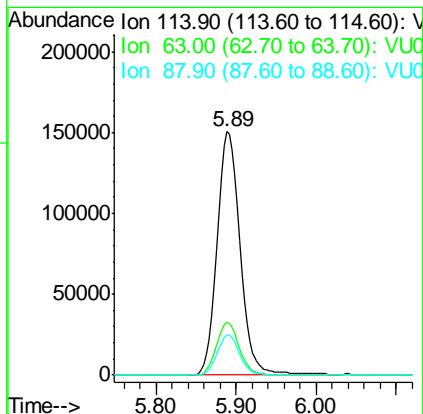
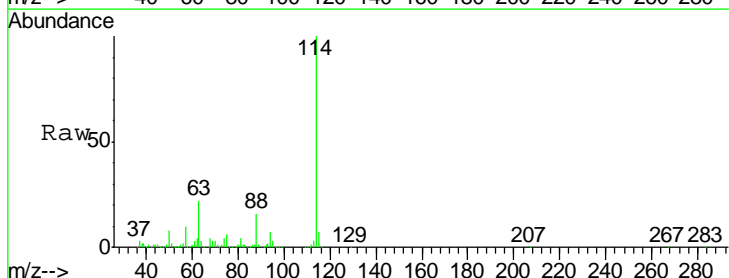
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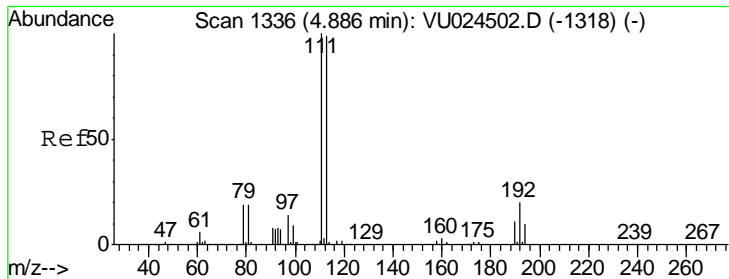
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

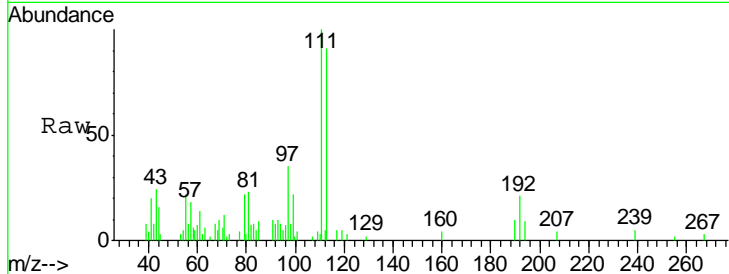
Tgt Ion	Resp	Lower	Upper
114	303052		
63	21.6	0.0	45.4
88	16.4	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 4.232 ug/l
 RT: 4.89 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

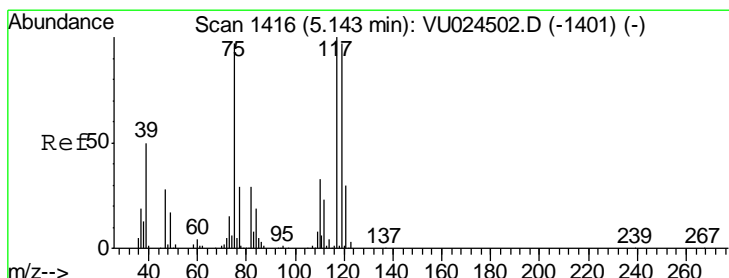
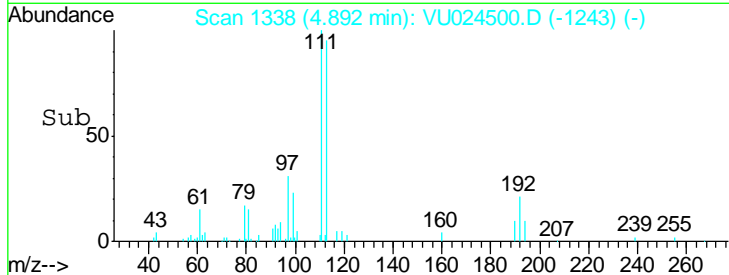
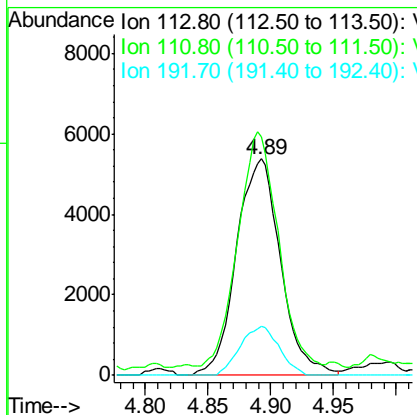
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
113	13172		
113	100		
111	98.0	82.2	123.4
192	19.9	16.2	24.4

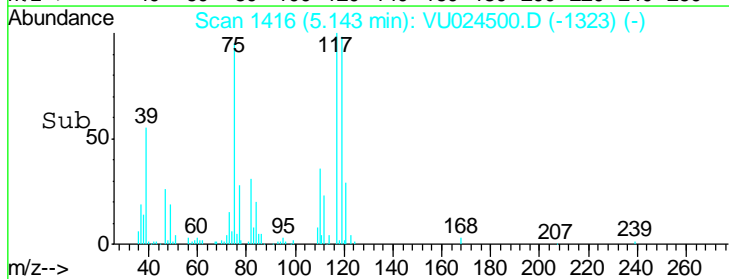
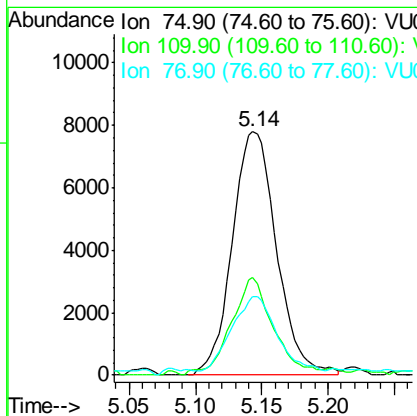
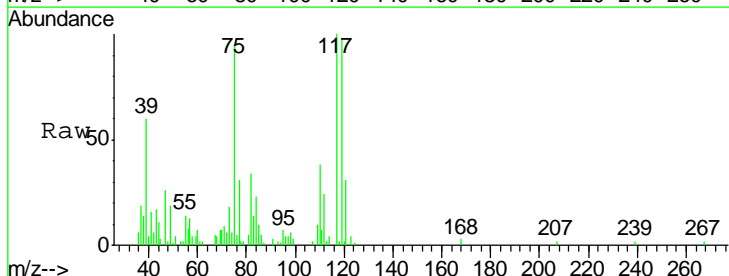
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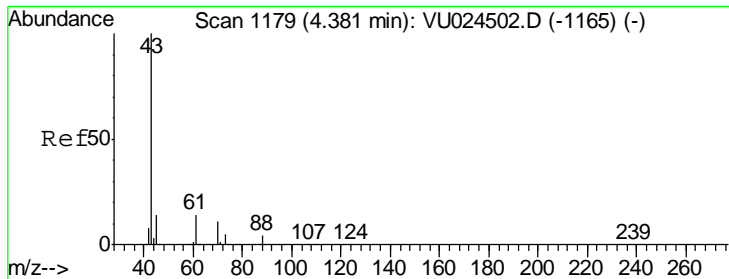
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#36
 1,1-Dichloropropene
 Concen: 4.195 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
75	18143		
75	100		
110	38.0	17.0	50.9
77	31.8	24.2	36.4





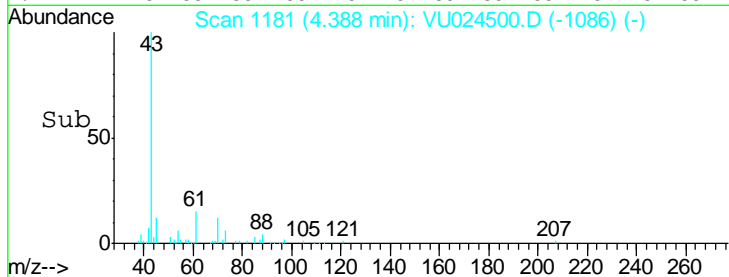
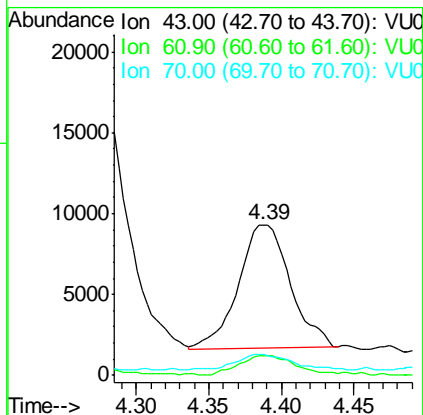
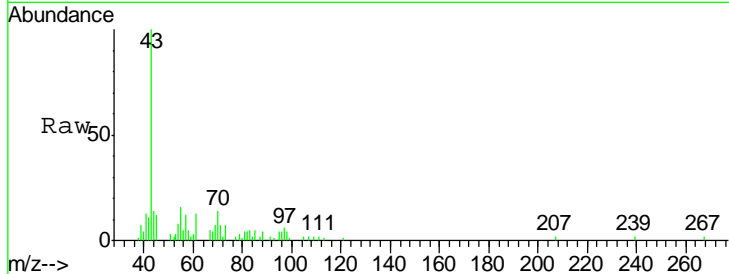
#37
 Ethyl Acetate
 Concen: 3.927 ug/l
 RT: 4.39 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	19044		
61	17.8	10.5	15.7#
70	13.3	7.4	11.2#

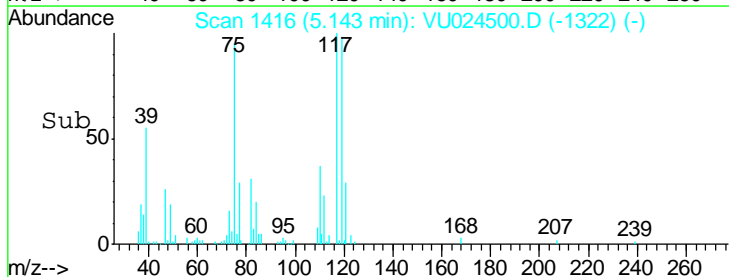
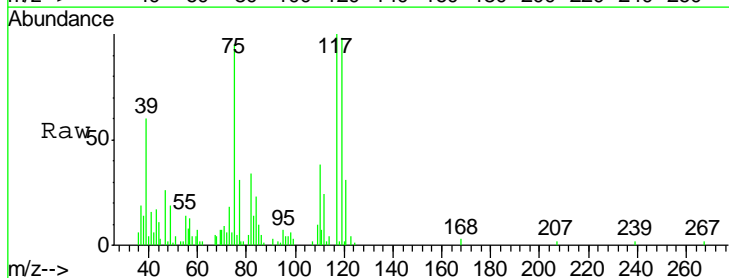
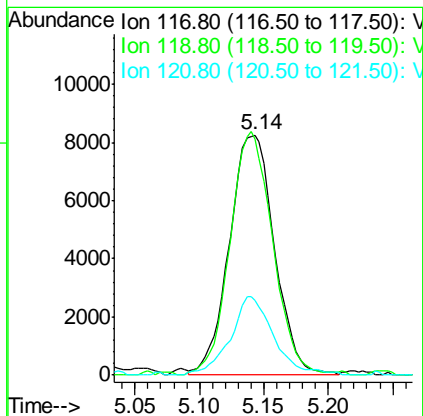
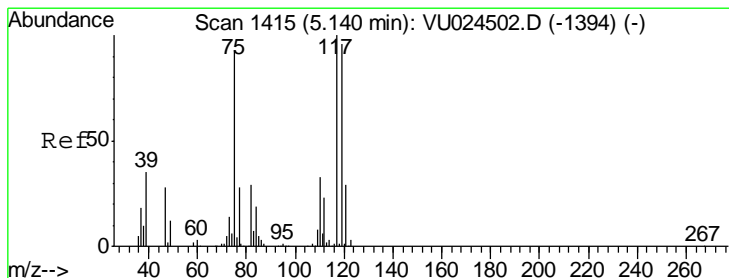
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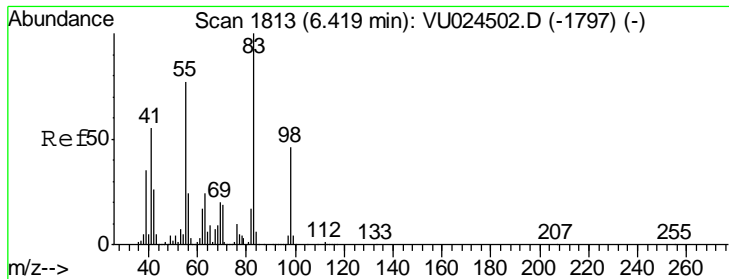
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#38
 Carbon Tetrachloride
 Concen: 4.876 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
117	20081		
119	96.8	76.1	114.1
121	30.0	23.7	35.5





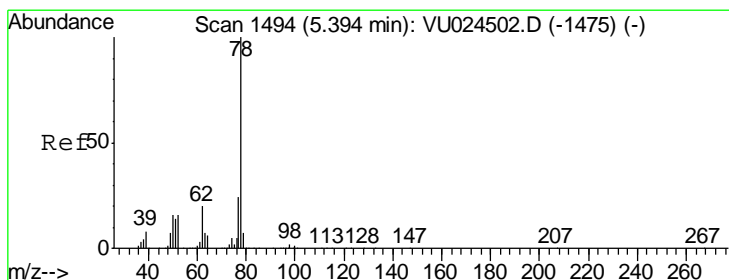
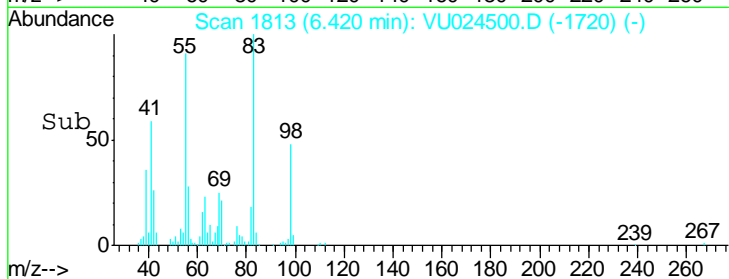
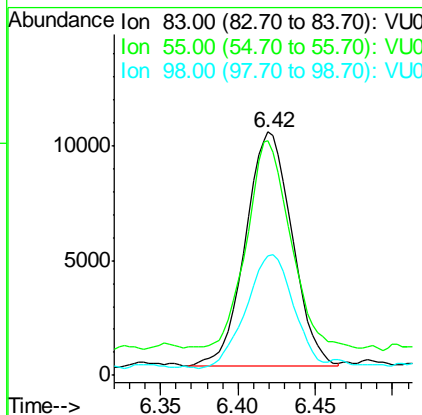
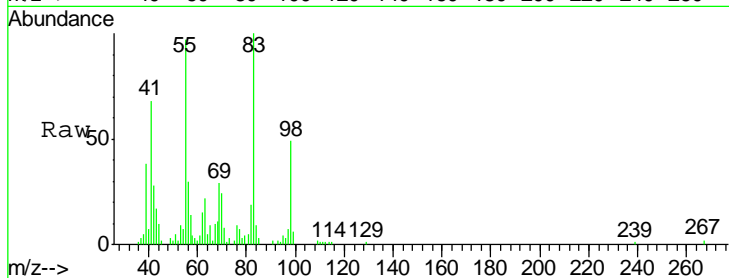
#39
 Methylcyclohexane
 Concen: 4.590 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	21450		
83	100		
55	88.2	65.8	98.6
98	47.0	36.7	55.1

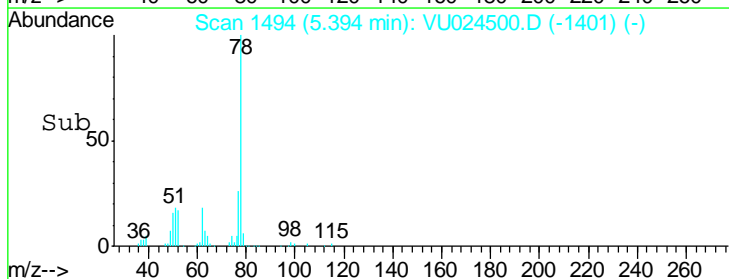
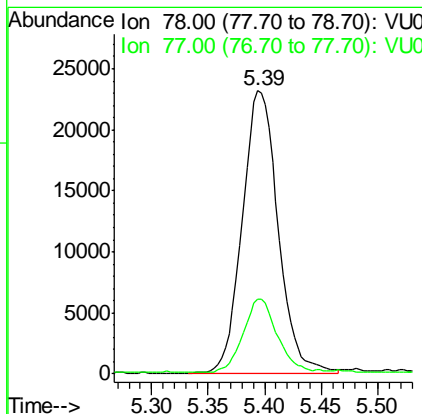
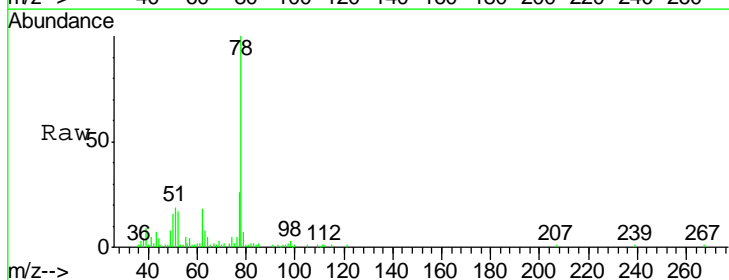
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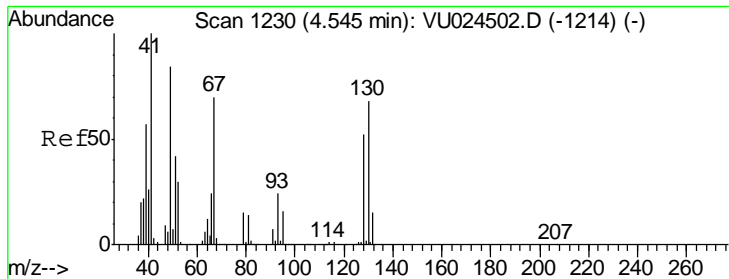
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#40
 Benzene
 Concen: 3.956 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
78	51570		
78	100		
77	25.6	19.2	28.8





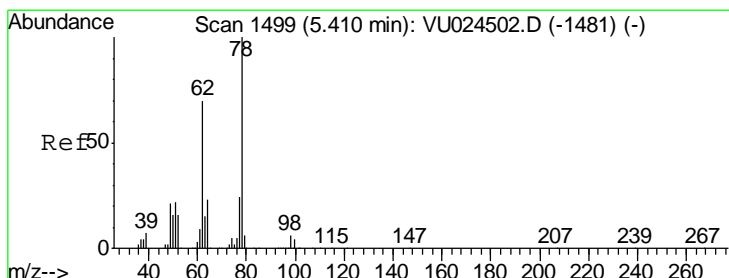
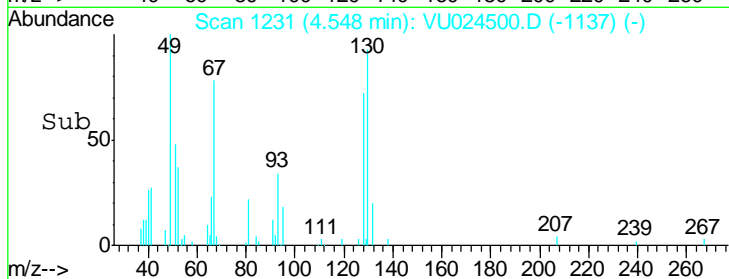
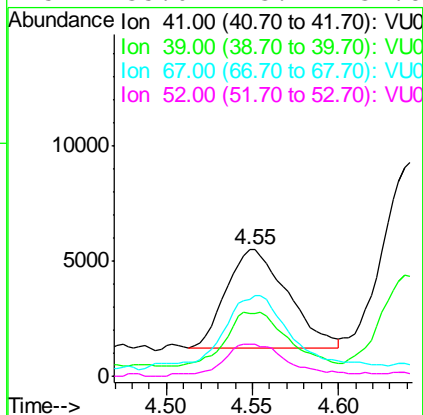
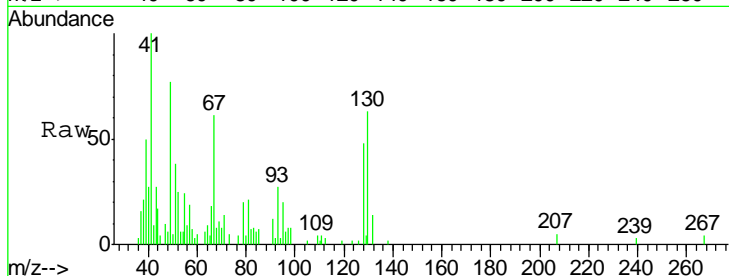
#41
 Methacrylonitrile
 Concen: 3.864 ug/l
 RT: 4.55 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
41	10502		
39	55.8	43.8	65.6
67	73.4	56.3	84.5
52	35.0	23.2	34.8#

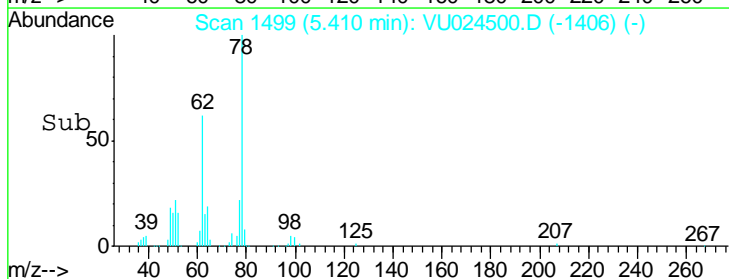
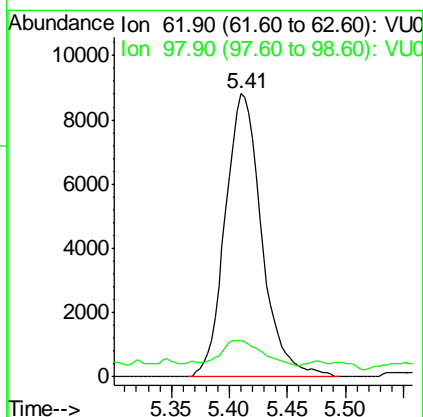
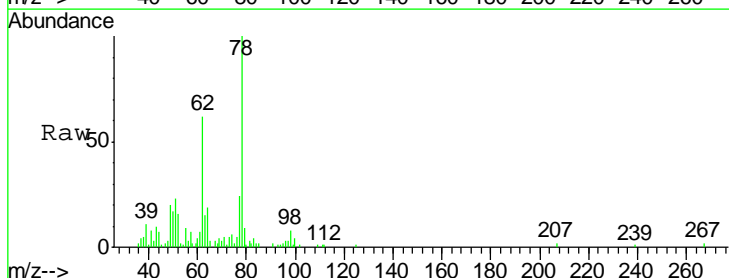
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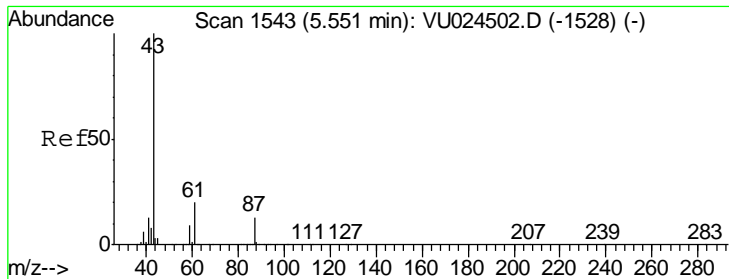
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#42
 1,2-Dichloroethane
 Concen: 3.846 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
62	19202		
98	10.1	0.0	16.6





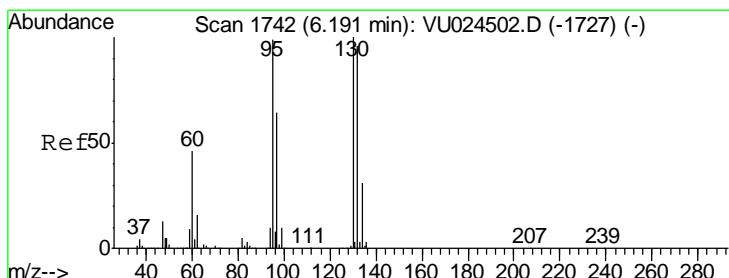
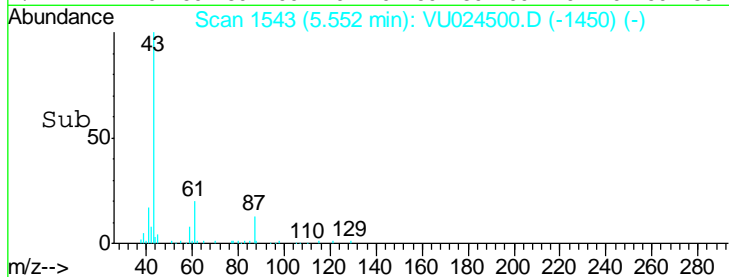
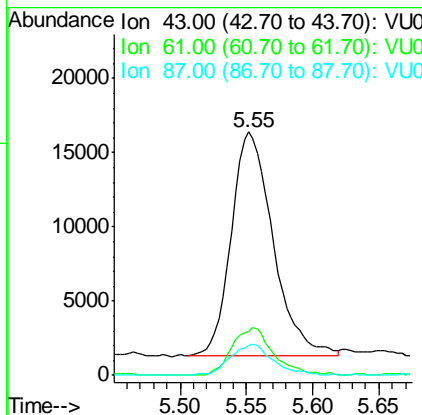
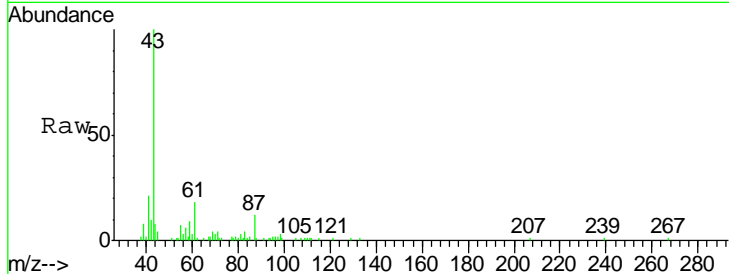
#43
 Isopropyl Acetate
 Concen: 4.473 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	33034		
61	21.2	15.4	23.0
87	14.3	10.0	15.0

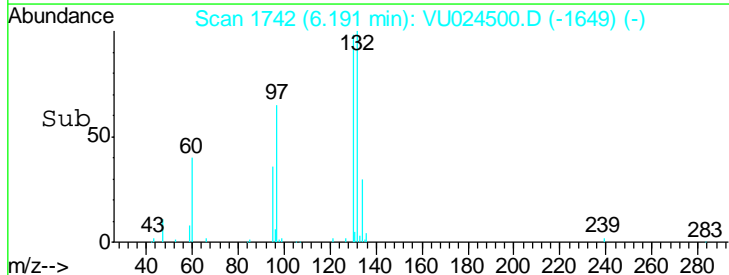
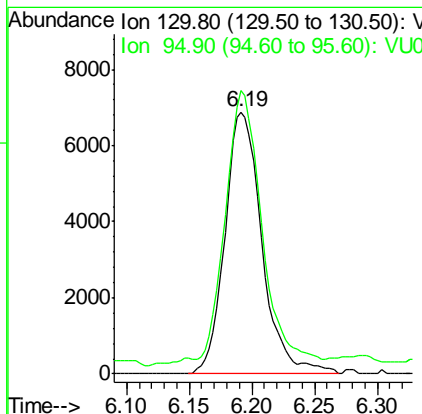
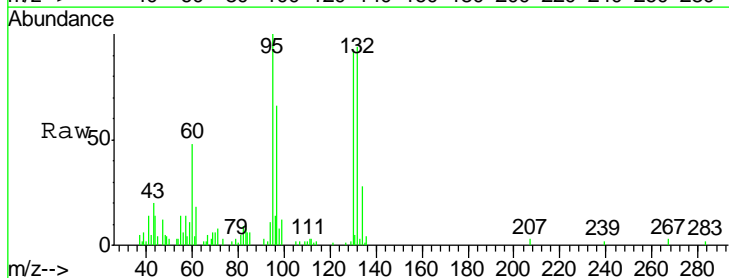
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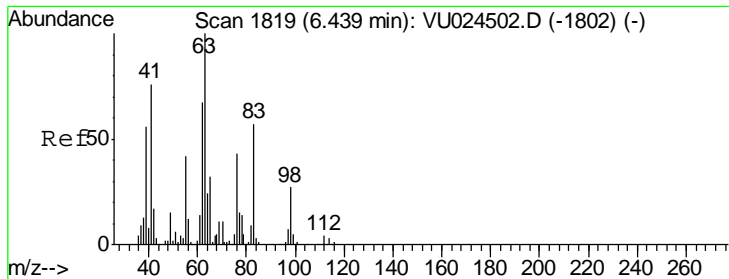
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#44
 Trichloroethene
 Concen: 4.164 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
130	14144		
95	102.3	0.0	202.4





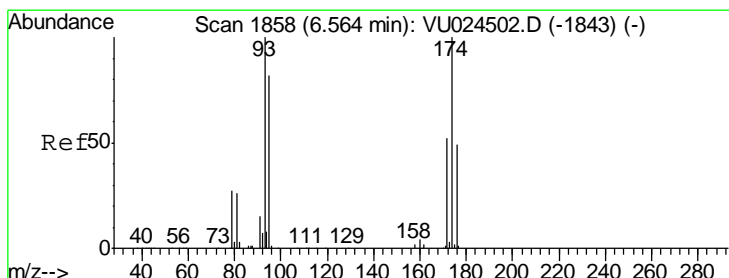
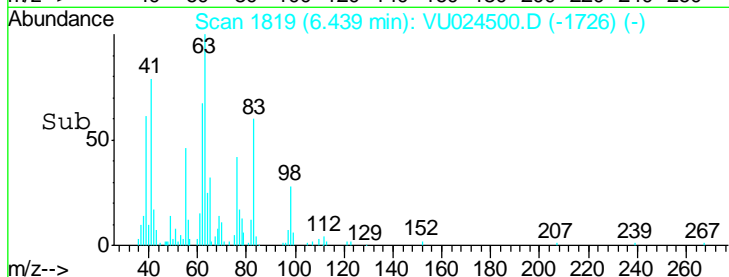
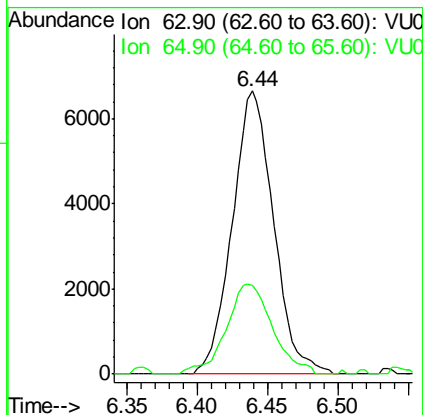
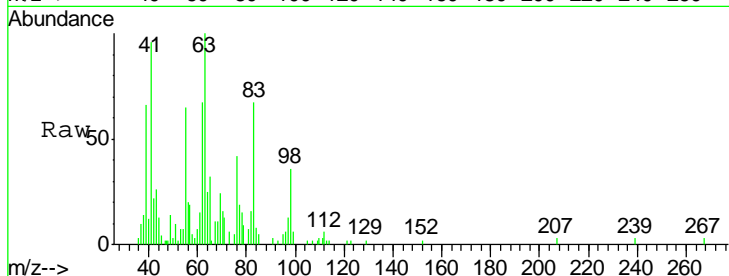
#45
 1,2-Dichloropropane
 Concen: 3.899 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
63	13658		
63	100		
65	31.5	24.8	37.2

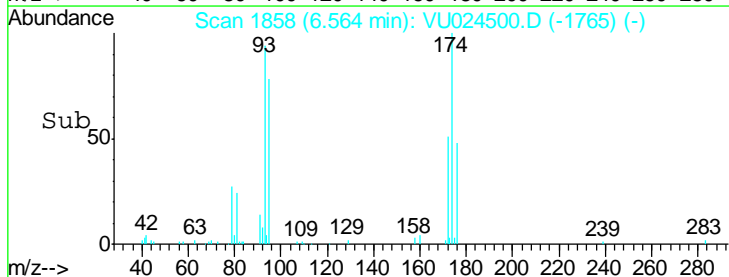
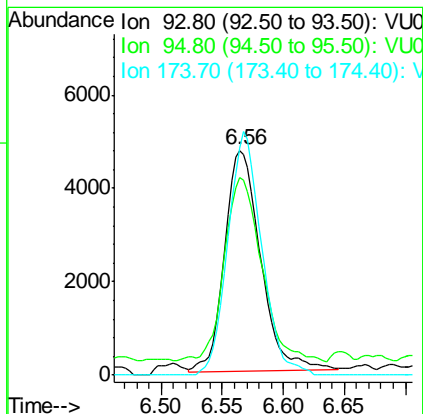
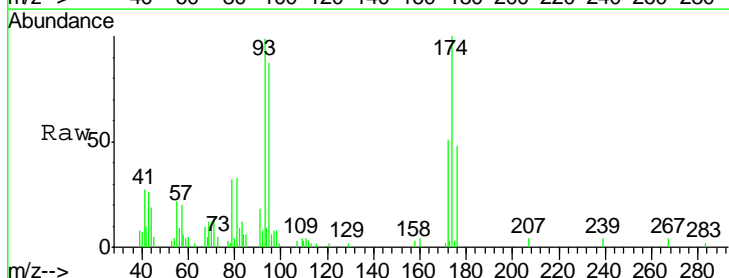
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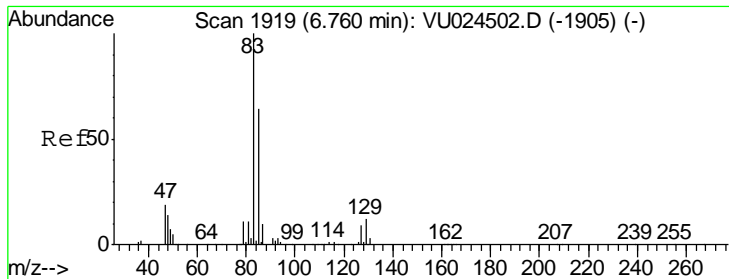
MMDadoda
 6/14/2018 9:44:22 AM



#46
 Dibromomethane
 Concen: 4.214 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

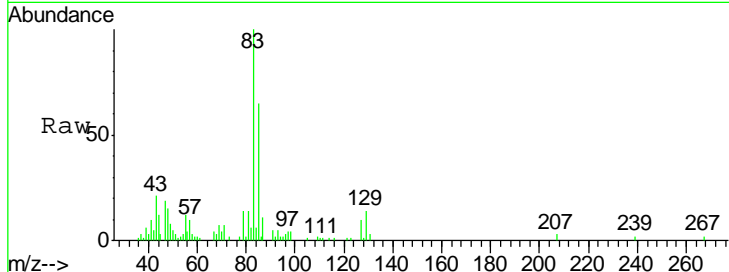
Tgt Ion	Resp	Lower	Upper
93	9774		
93	100		
95	86.2	65.5	98.3
174	103.0	78.7	118.1





#47
 Bromodichloromethane
 Concen: 4.351 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

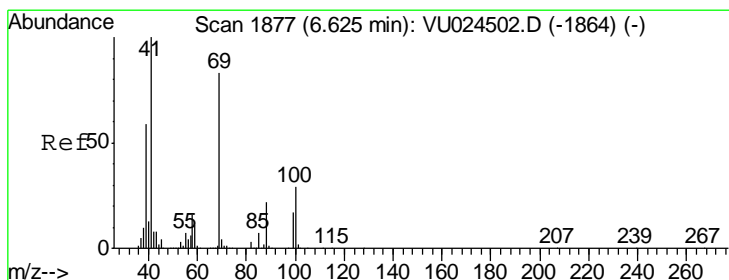
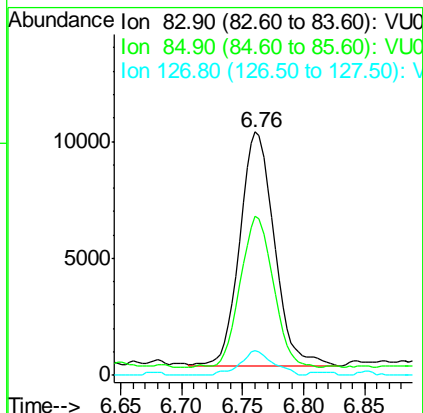
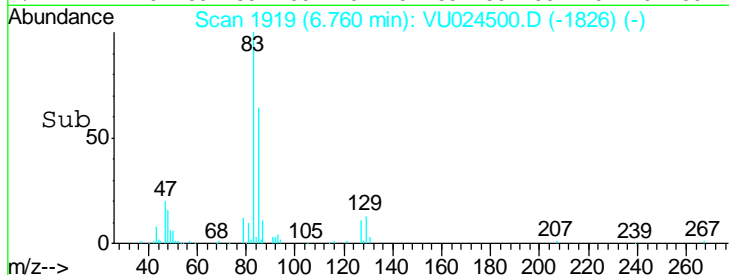
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005



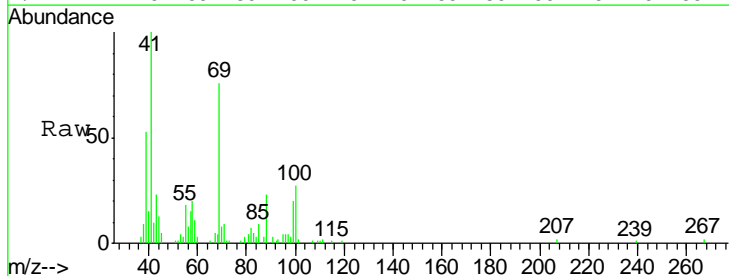
Tgt Ion	Resp	Lower	Upper
83	19522		
83	100		
85	64.3	51.9	77.9
127	10.8	6.6	9.8#

Manual Integrations
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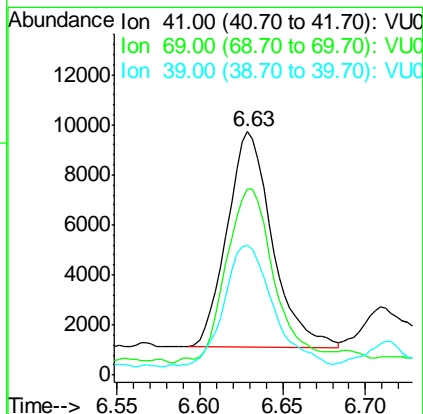
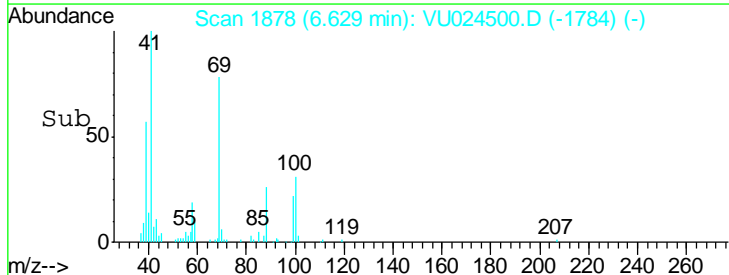
MMDadoda
 6/14/2018 9:44:22 AM

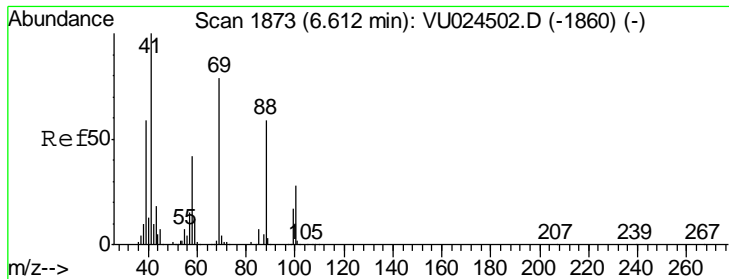


#48
 Methyl methacrylate
 Concen: 4.496 ug/l
 RT: 6.63 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



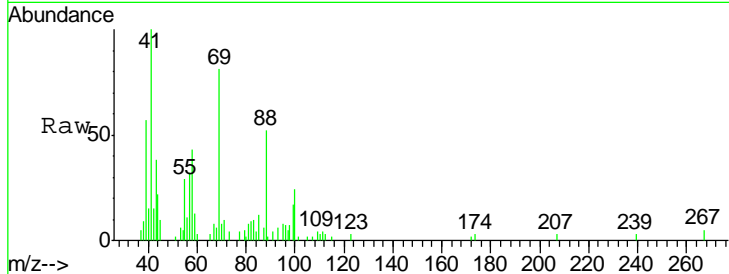
Tgt Ion	Resp	Lower	Upper
41	16278		
41	100		
69	86.5	67.3	100.9
39	61.8	46.5	69.7





#49
 1,4-Dioxane
 Concen: 79.393 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

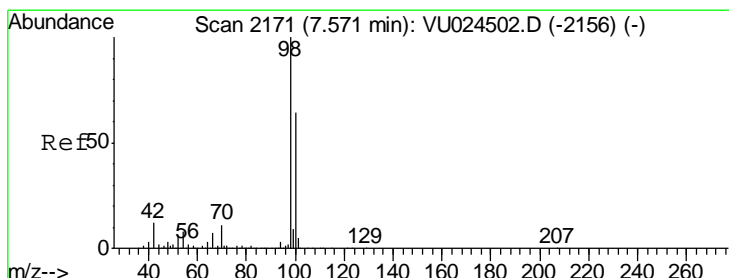
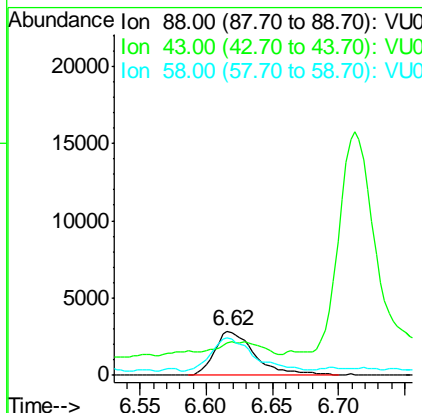
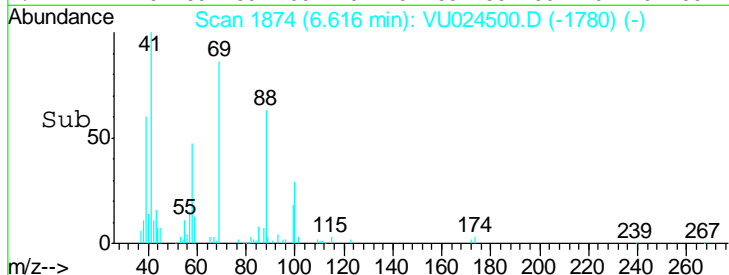
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
88	6064		
88	100		
43	0.0	28.6	42.8#
58	75.5	58.2	87.4

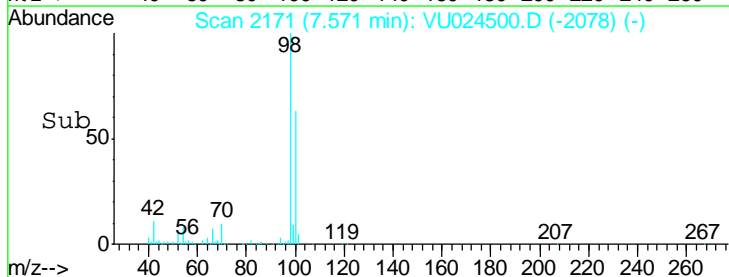
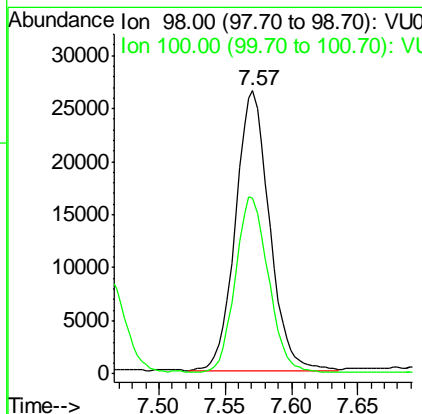
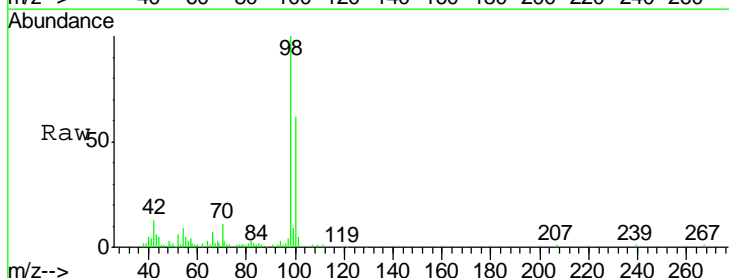
Manual Integrations
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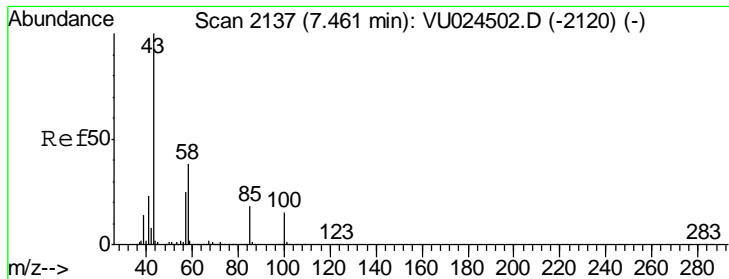
MMDadoda
 6/14/2018 9:44:22 AM



#50
 Toluene-d8
 Concen: 4.028 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
98	46850		
98	100		
100	61.3	51.1	76.7





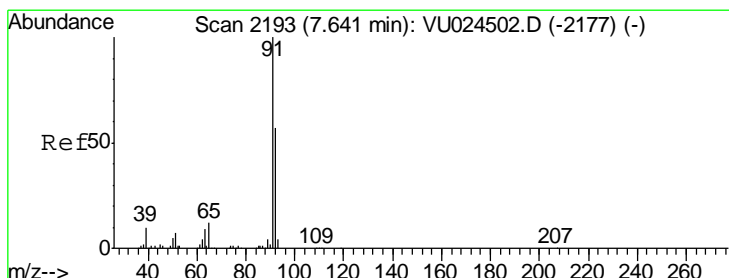
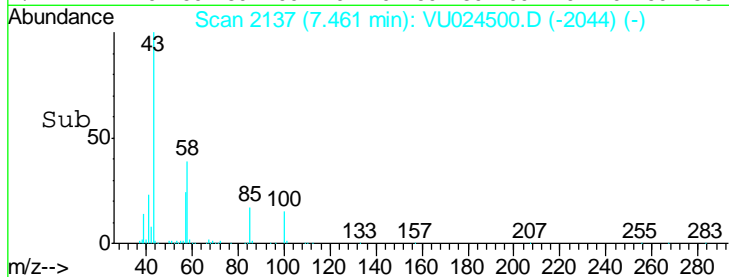
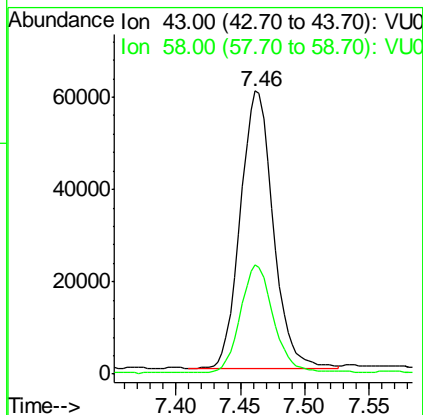
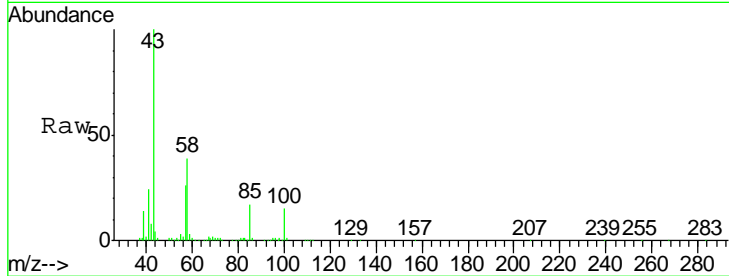
#51
 4-Methyl-2-Pentanone
 Concen: 19.926 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	106169		
58	39.1	30.0	45.0

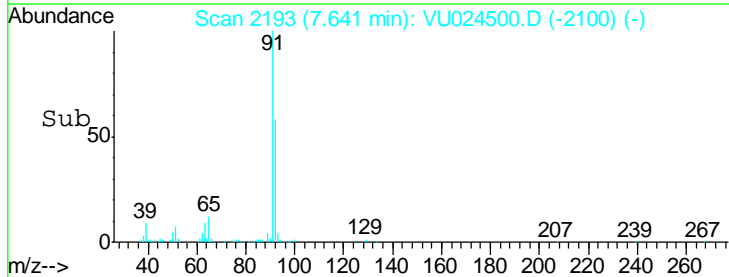
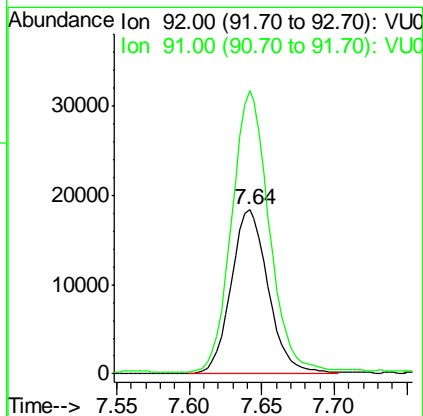
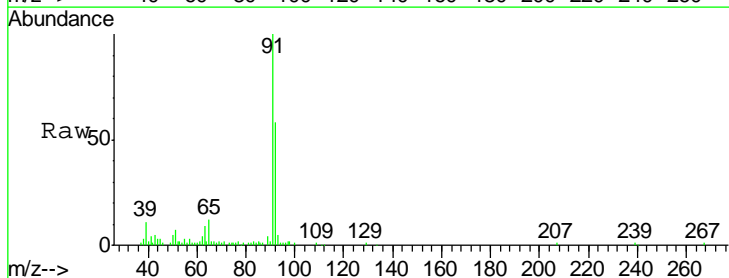
Manual Integrations
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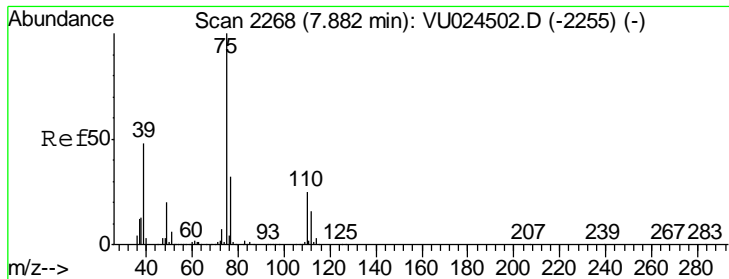
MMDadoda
 6/14/2018 9:44:22 AM



#52
 Toluene
 Concen: 4.240 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
92	32799		
91	172.4	140.5	210.7





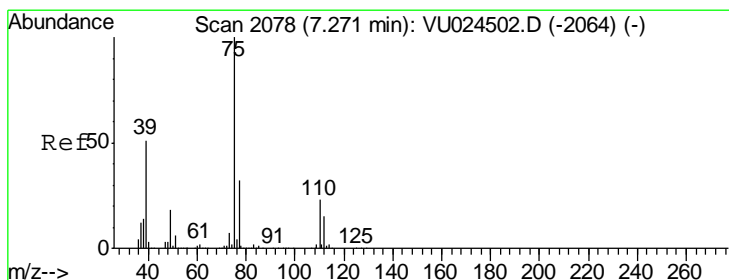
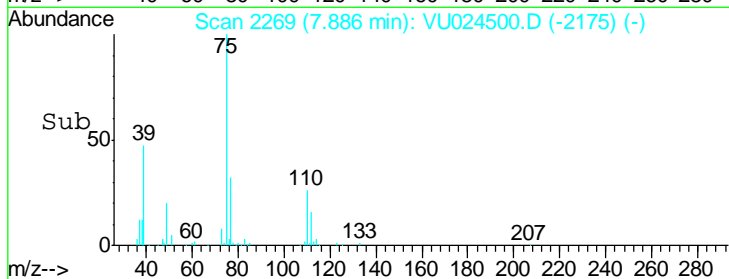
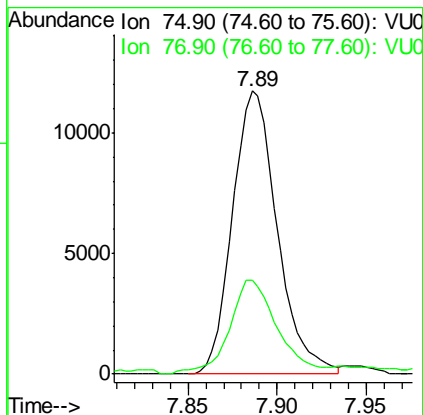
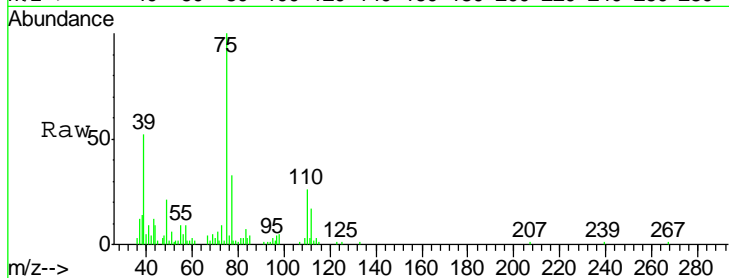
#53
 t-1,3-Dichloropropene
 Concen: 4.414 ug/l
 RT: 7.89 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	20597		
77	31.6	24.8	37.2

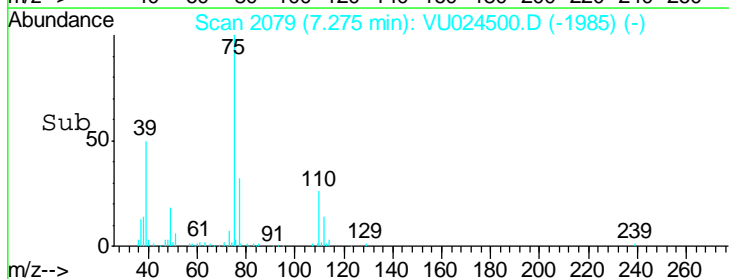
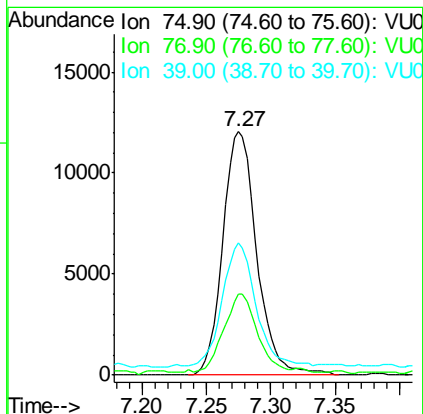
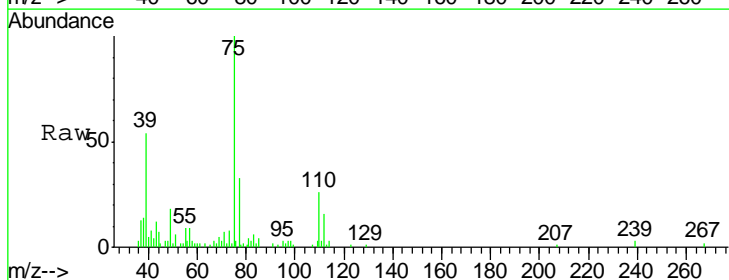
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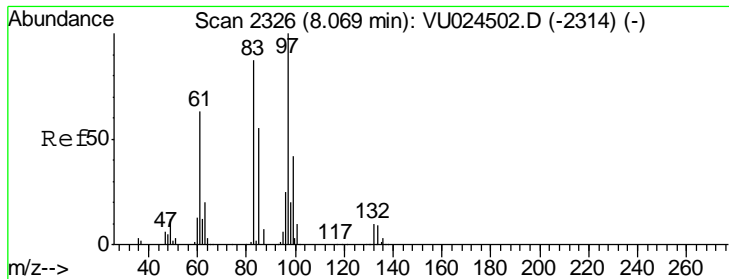
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#54
 cis-1,3-Dichloropropene
 Concen: 4.323 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

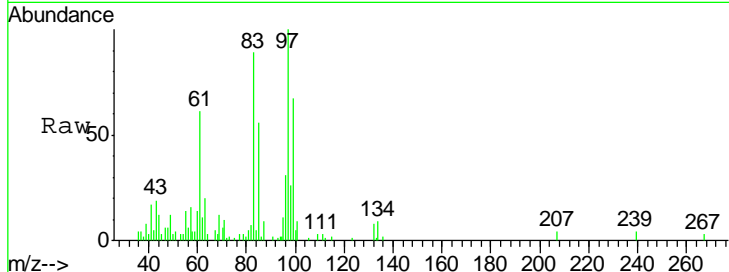
Tgt Ion	Resp	Lower	Upper
75	22013		
77	31.6	24.6	36.8
39	50.2	39.8	59.6





#55
 1,1,2-Trichloroethane
 Concen: 3.797 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

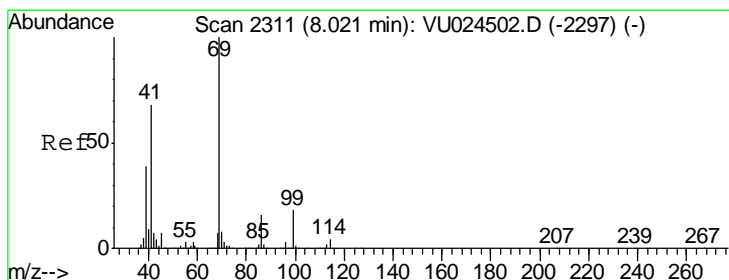
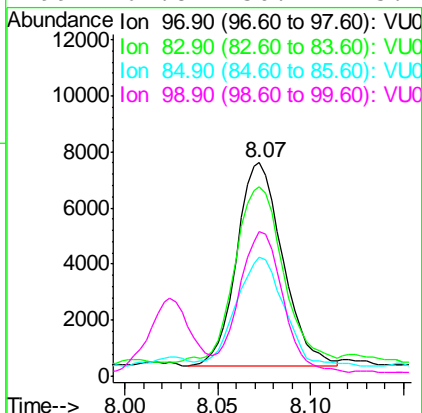
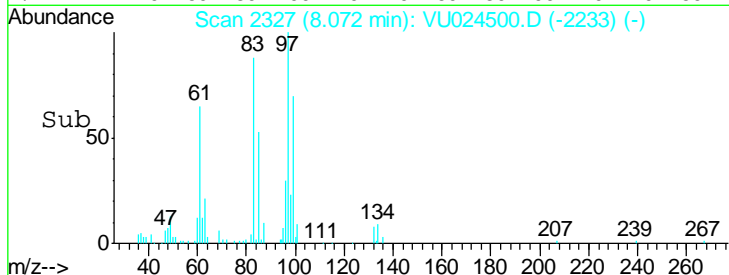


Tgt Ion: 97 Resp: 12601

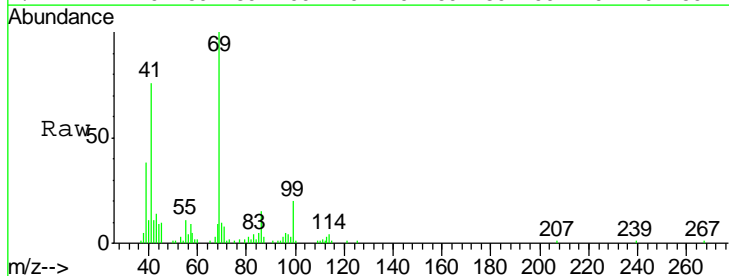
Ion	Ratio	Lower	Upper
97	100		
83	84.0	70.5	105.7
85	52.5	46.4	69.6
99	67.8	50.2	75.2

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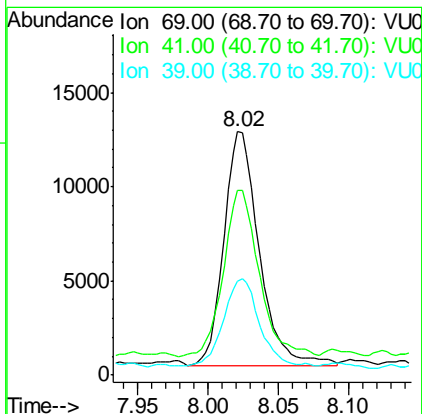
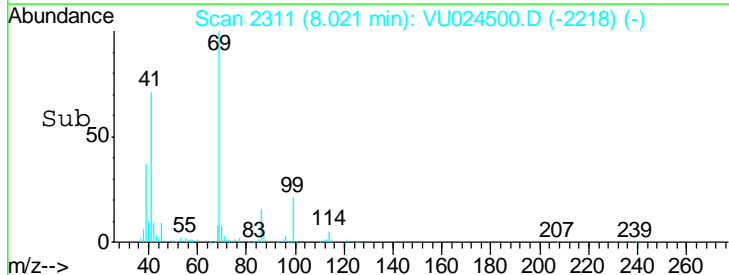


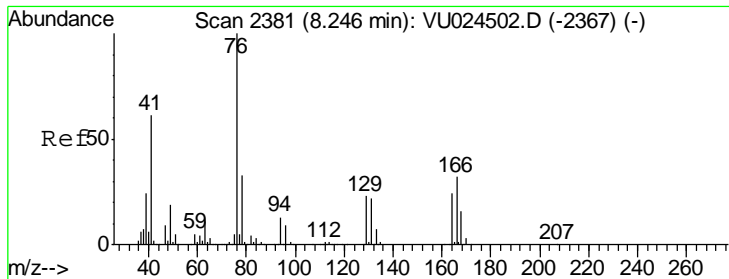
#56
 Ethyl methacrylate
 Concen: 5.013 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



Tgt Ion: 69 Resp: 21683

Ion	Ratio	Lower	Upper
69	100		
41	72.0	54.1	81.1
39	38.4	30.3	45.5





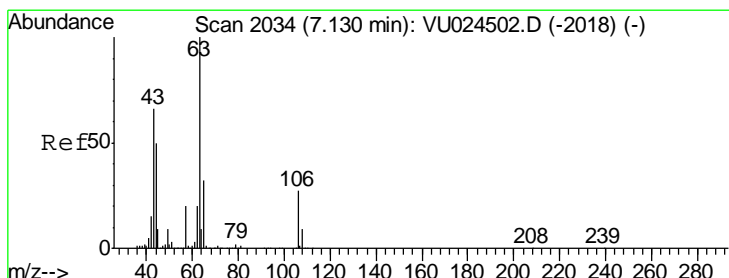
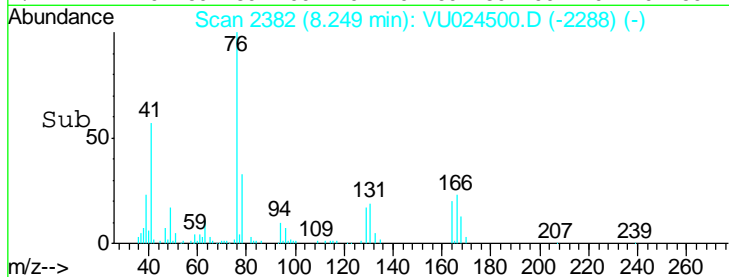
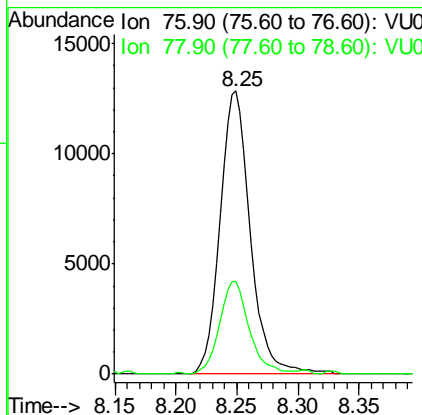
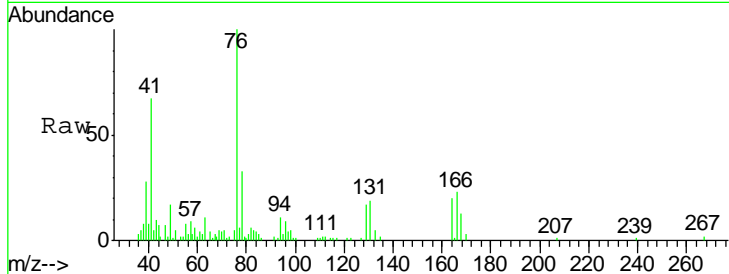
#57
 1,3-Dichloropropane
 Concen: 3.924 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	22364		
76	100		
78	32.2	25.2	37.8

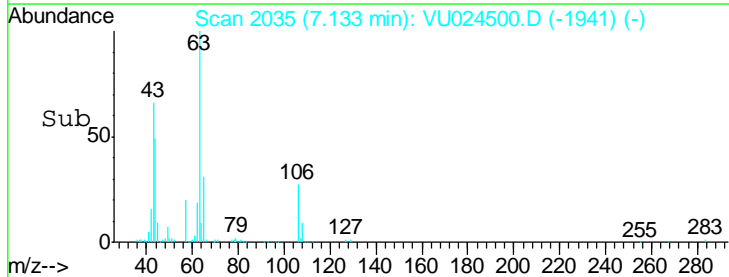
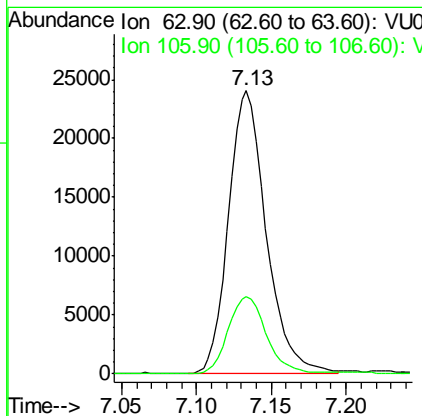
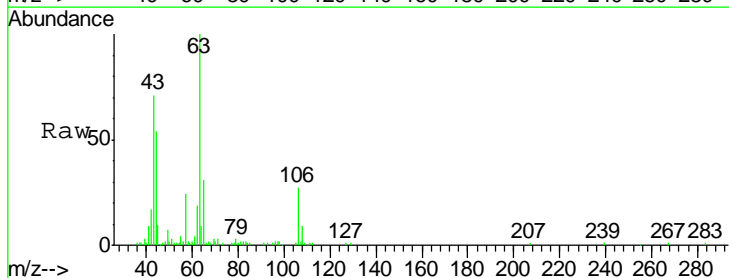
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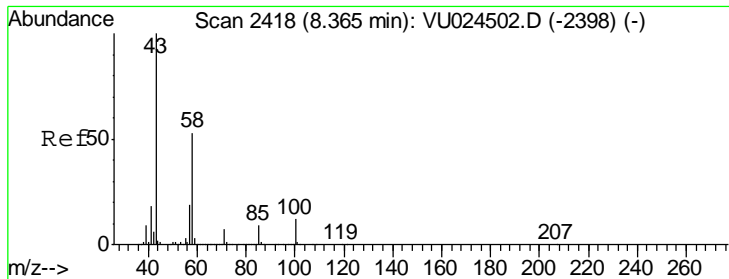
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 6/14/2018 9:44:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.043 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
63	42363		
63	100		
106	27.7	20.2	30.2





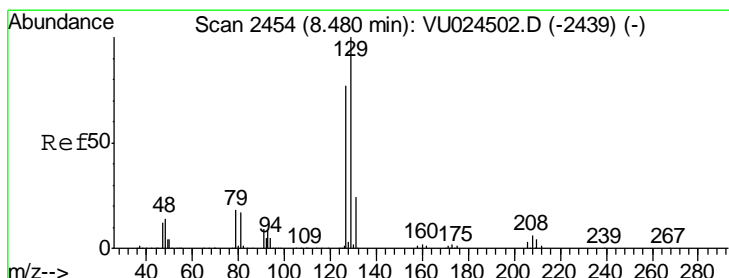
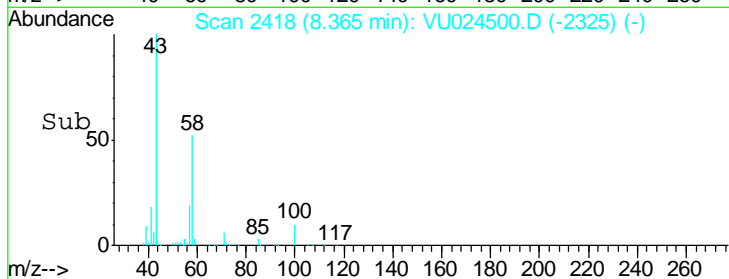
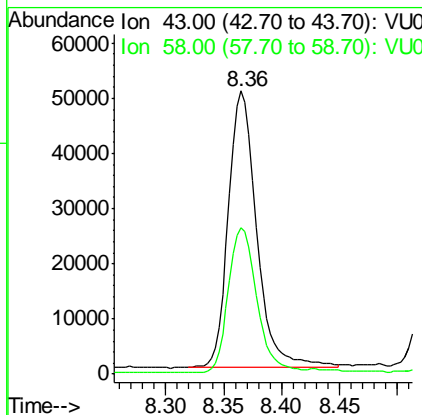
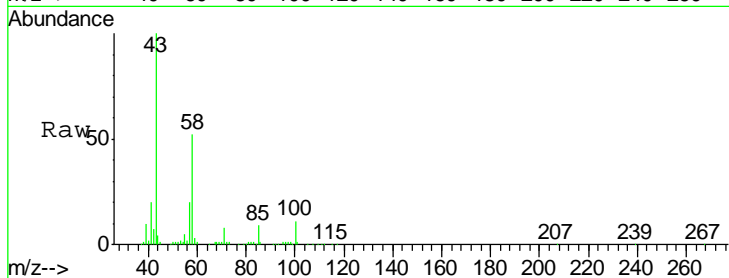
#59
 2-Hexanone
 Concen: 19.968 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampleId : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
58	52.3	26.4	79.0

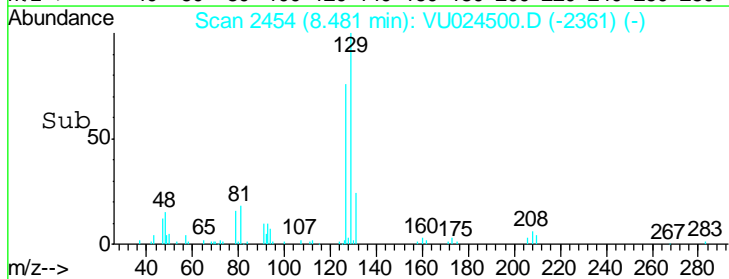
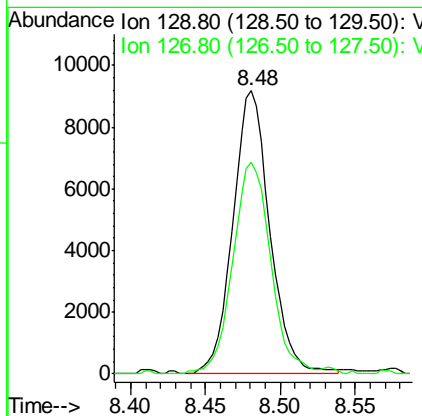
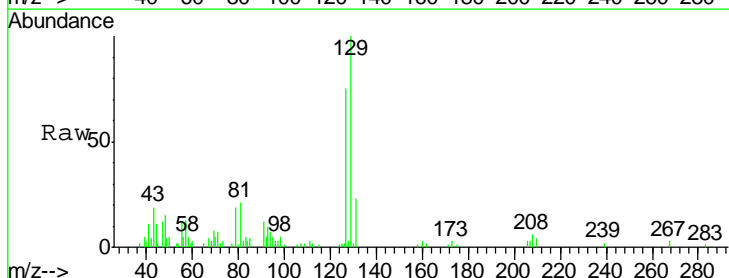
Manual Integrations
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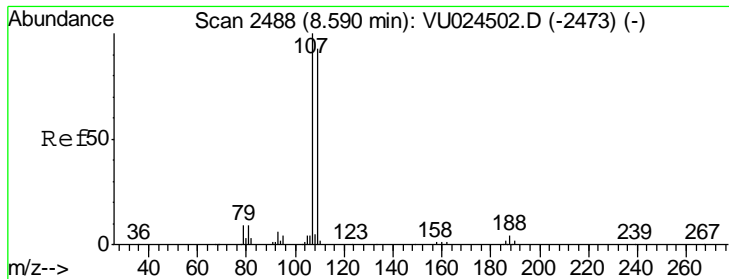
MMDadoda
 6/14/2018 9:44:22 AM



#60
 Dibromochloromethane
 Concen: 4.701 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

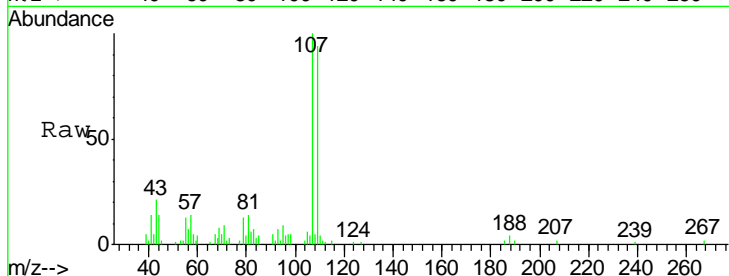
Tgt Ion	Resp	Lower	Upper
129	100		
127	76.5	38.6	116.0





#61
 1,2-Dibromoethane
 Concen: 4.332 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

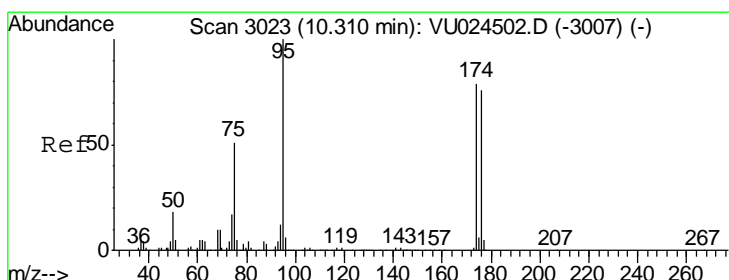
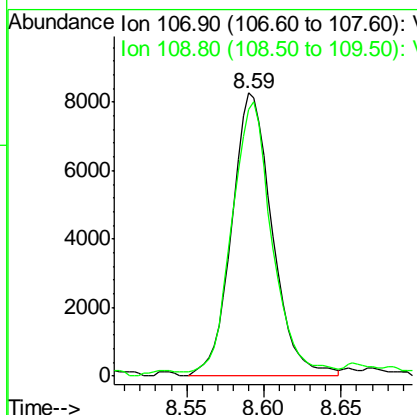
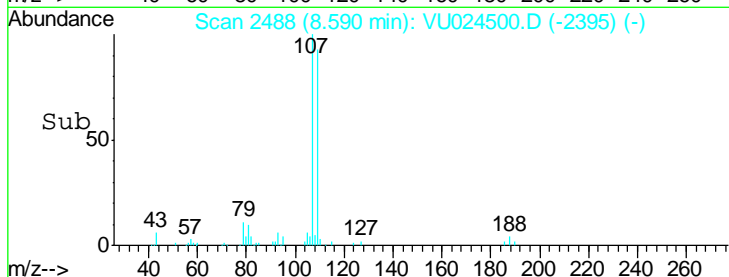
Instrument : MSVOA_U
 ClientSampled : VSTDIC005



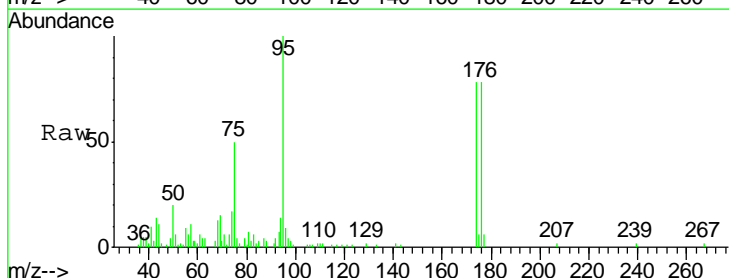
Tgt Ion: 107 Resp: 15039
 Ion Ratio Lower Upper
 107 100
 109 92.0 74.5 111.7

Manual Integrations
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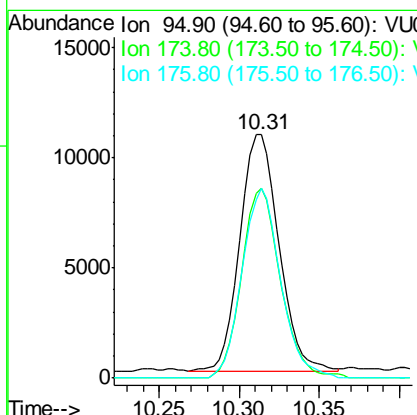
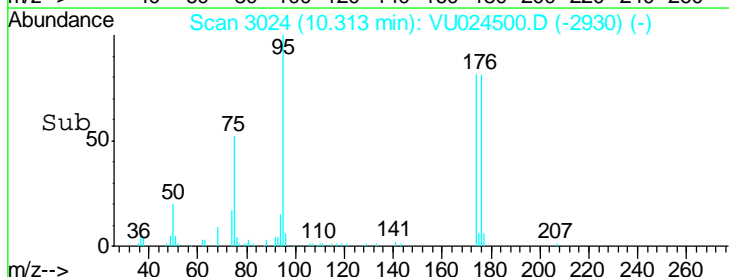
MMDadoda
 6/14/2018 9:44:22 AM

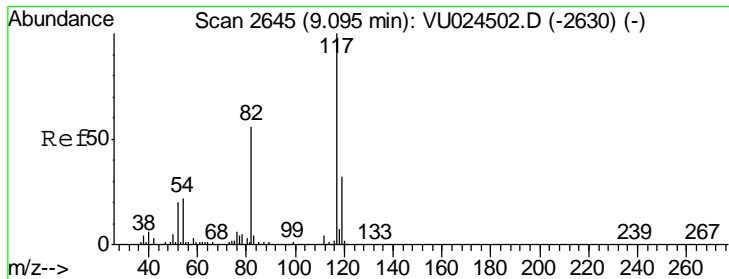


#62
 4-Bromofluorobenzene
 Concen: 4.185 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



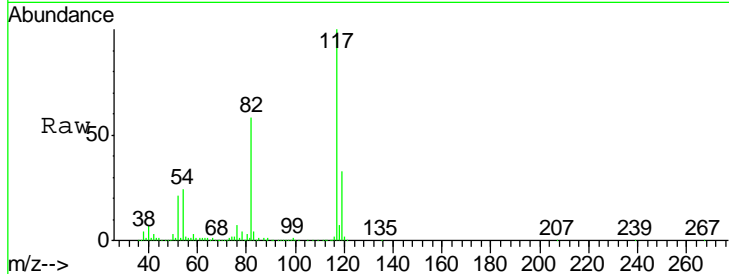
Tgt Ion: 95 Resp: 17743
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 165.8
 176 79.5 0.0 159.4





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

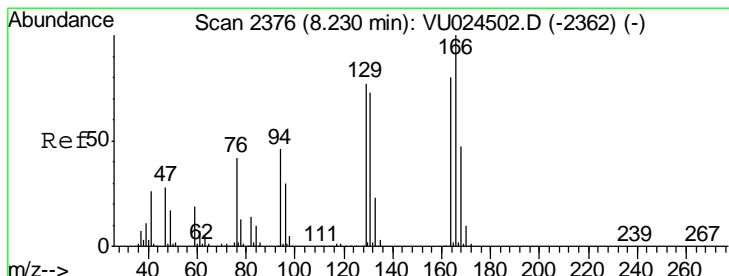
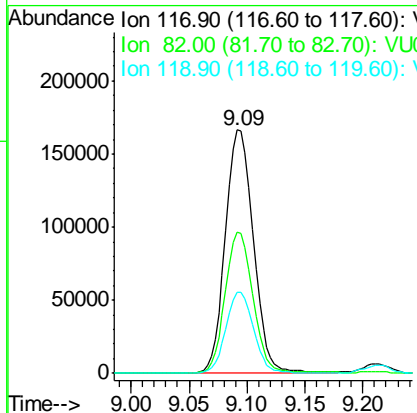
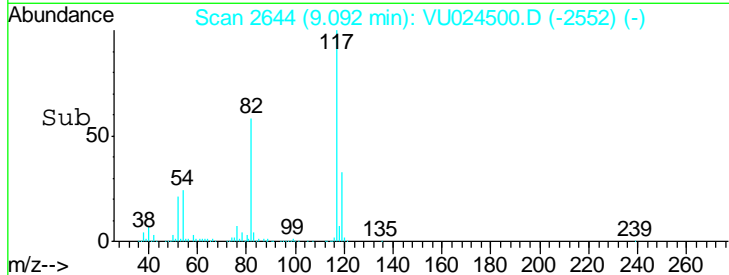
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



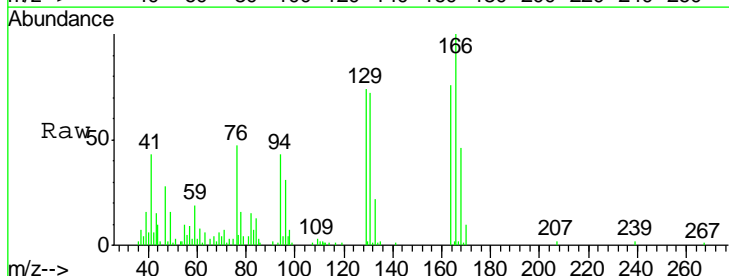
Tgt Ion: 117 Resp: 280445

Ion	Ratio	Lower	Upper
117	100		
82	57.9	44.3	66.5
119	33.4	25.4	38.2

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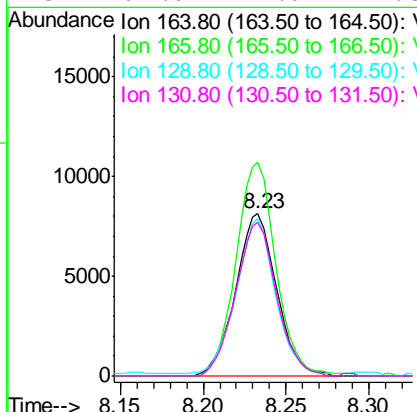
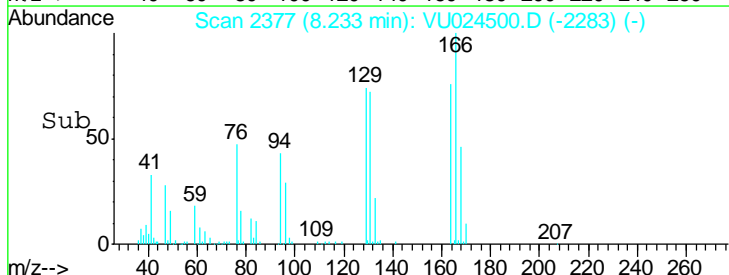


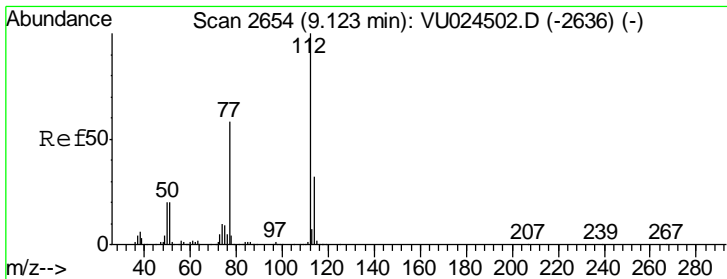
#64
 Tetrachloroethene
 Concen: 5.008 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



Tgt Ion: 164 Resp: 13962

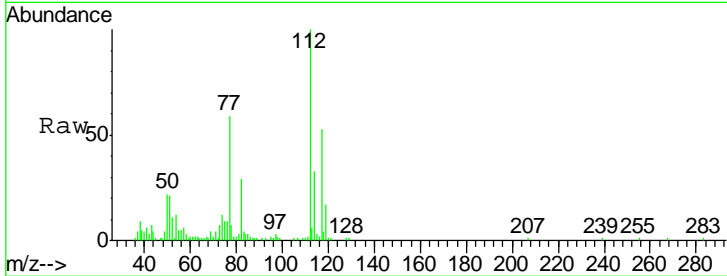
Ion	Ratio	Lower	Upper
164	100		
166	131.8	101.7	152.5
129	95.9	76.9	115.3
131	94.9	74.9	112.3





#65
 Chlorobenzene
 Concen: 4.486 ug/l
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

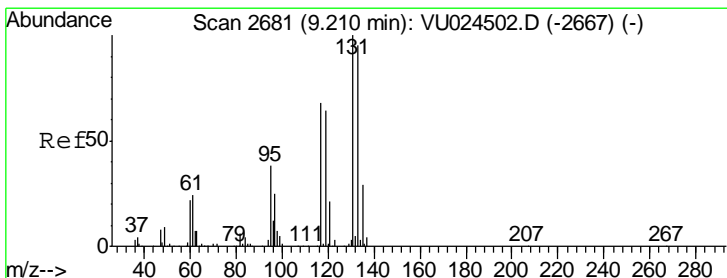
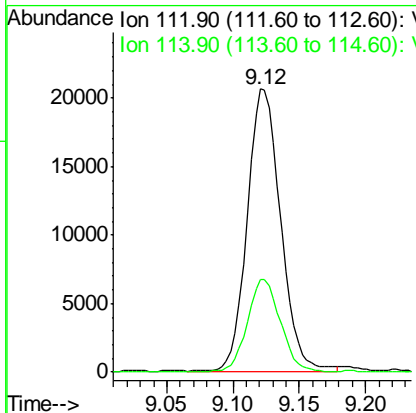
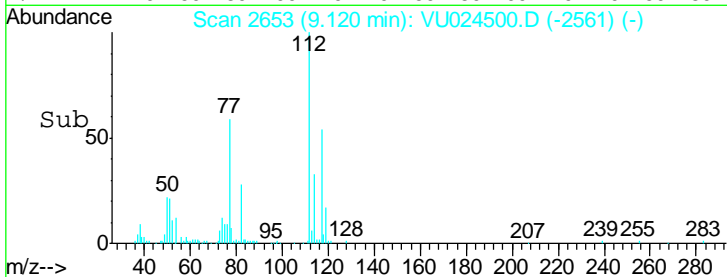
Instrument : MSVOA_U
 ClientSampled : VSTDIC005



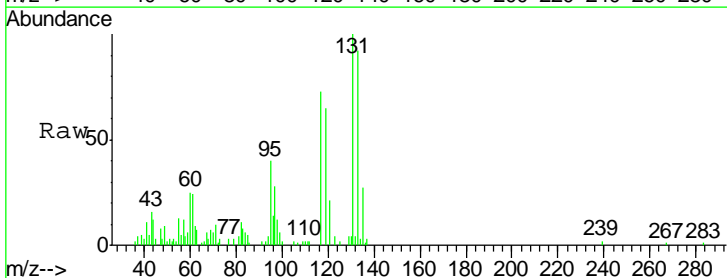
Tgt Ion: 112 Resp: 36609
 Ion Ratio Lower Upper
 112 100
 114 32.6 25.6 38.4

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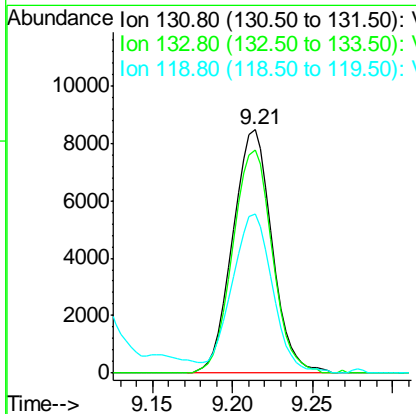
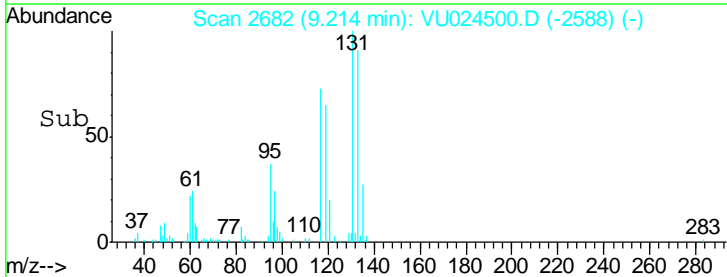
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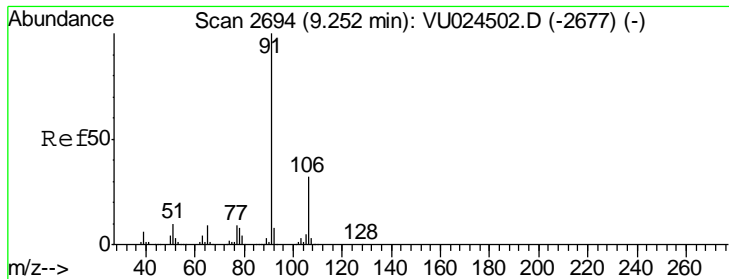


#66
 1,1,1,2-Tetrachloroethane
 Concen: 5.064 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



Tgt Ion: 131 Resp: 14186
 Ion Ratio Lower Upper
 131 100
 133 92.1 46.9 140.8
 119 67.4 33.5 100.4





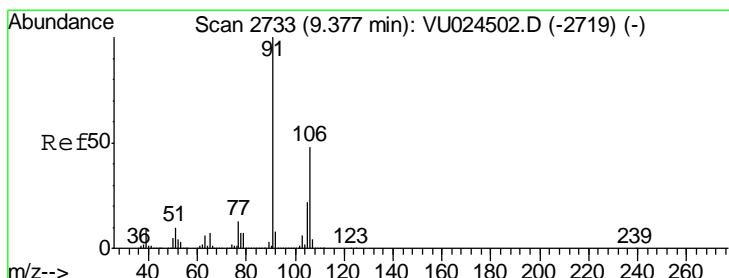
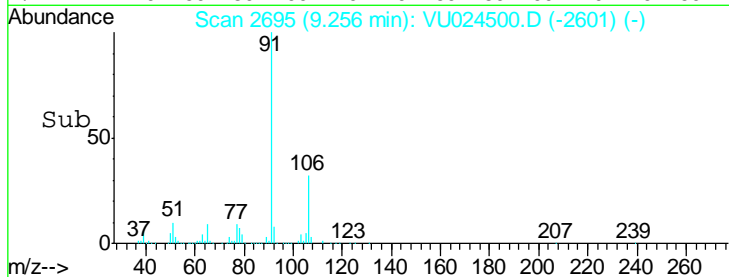
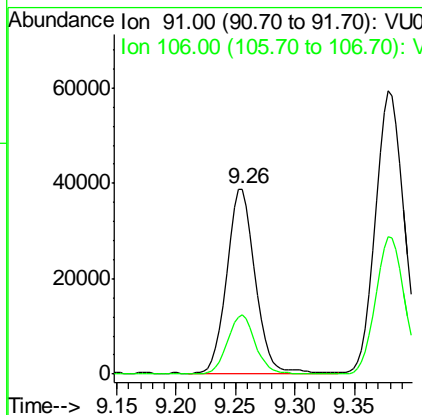
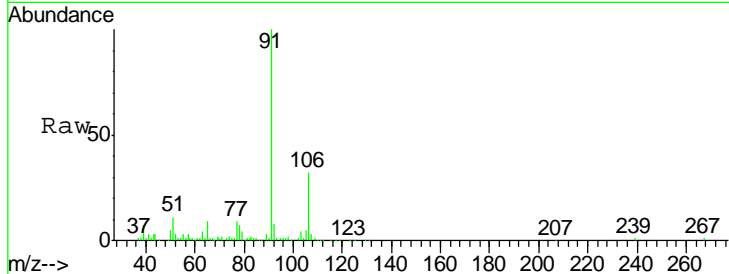
#67
 Ethyl Benzene
 Concen: 4.856 ug/l
 RT: 9.26 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	63907		
106	32.2	24.2	36.4

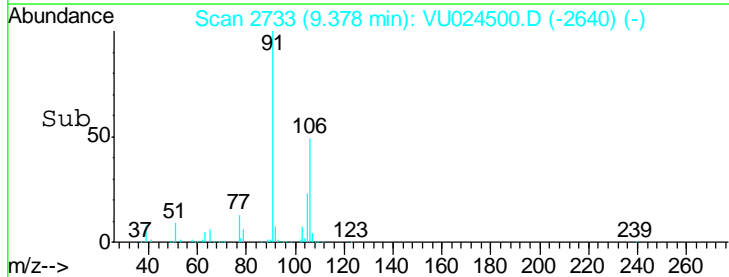
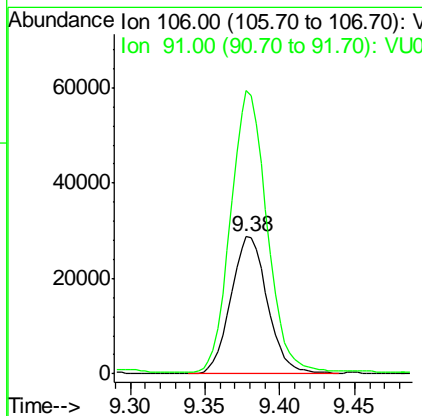
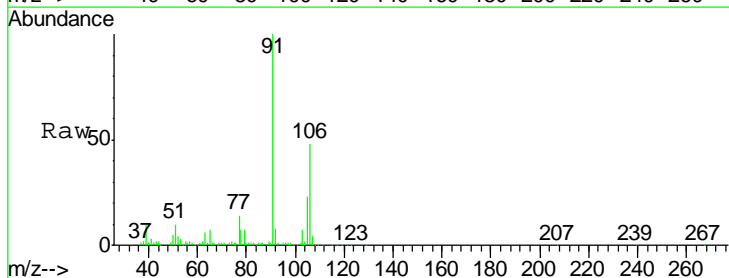
Manual Integrations
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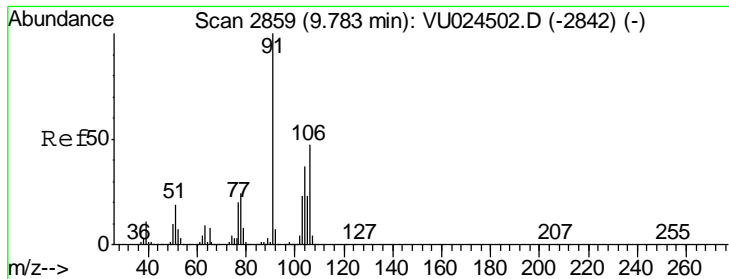
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#68
 m/p-Xylenes
 Concen: 9.826 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

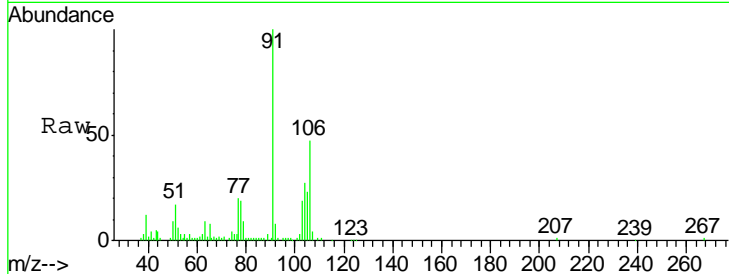
Tgt Ion	Resp	Lower	Upper
106	49256		
91	202.1	166.5	249.7





#69
 o-Xylene
 Concen: 5.353 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

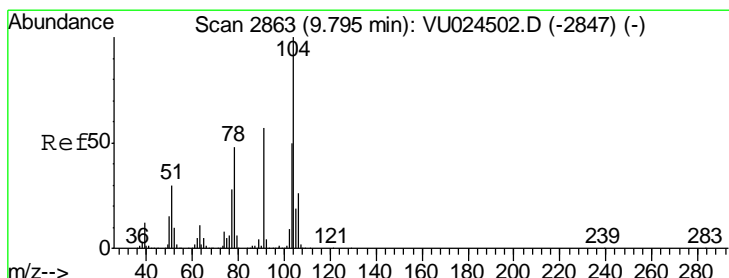
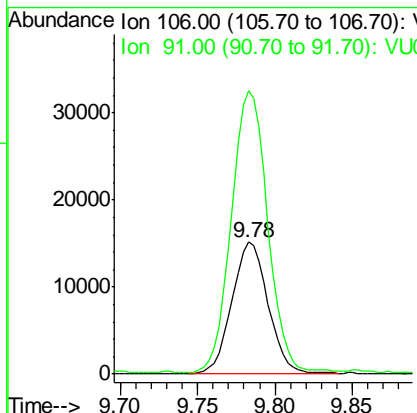
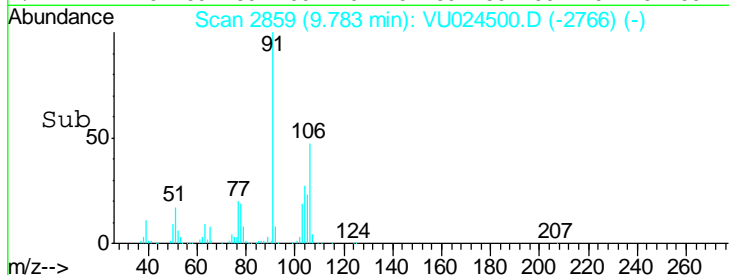
Instrument : MSVOA_U
 ClientSampled : VSTDIC005



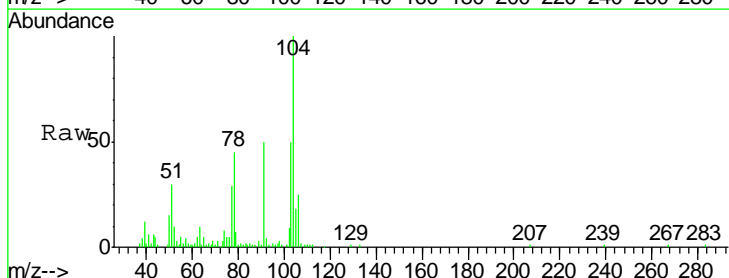
Tgt Ion	Resp	Lower	Upper
106	24735		
106	100		
91	211.3	110.7	331.9

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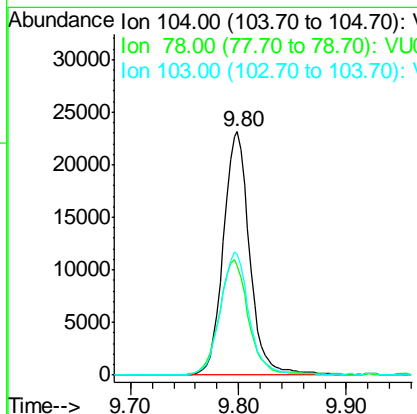
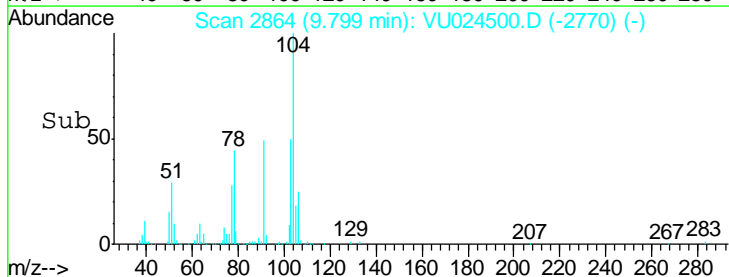
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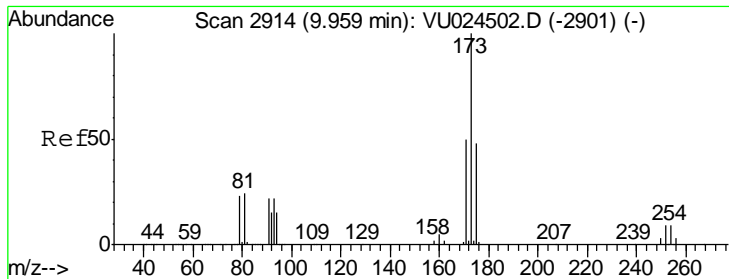


#70
 Styrene
 Concen: 5.010 ug/l
 RT: 9.80 min Scan# 2864
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



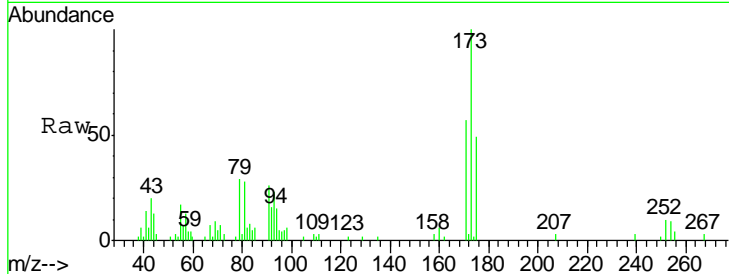
Tgt Ion	Resp	Lower	Upper
104	39411		
104	100		
78	51.8	40.6	60.8
103	54.7	44.7	67.1





#71
 Bromoform
 Concen: 5.279 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

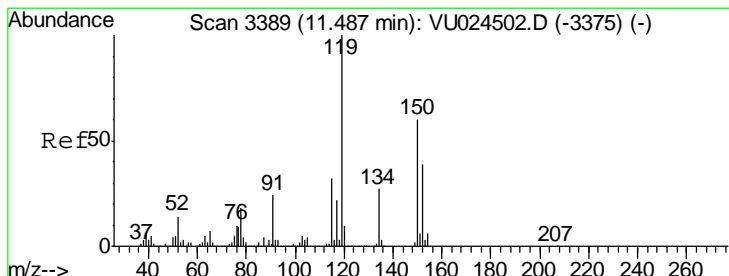
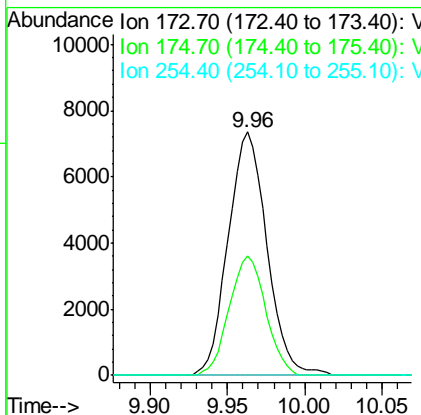
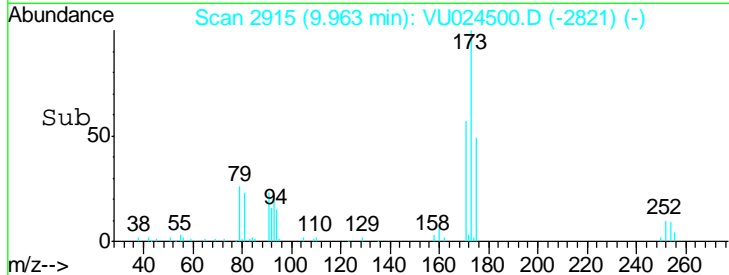
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005



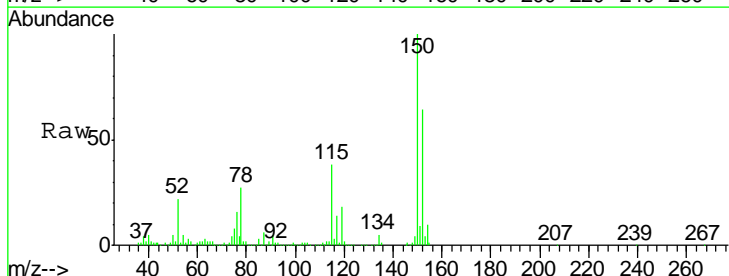
Tgt Ion	Resp	Lower	Upper
173	12764		
175	45.9	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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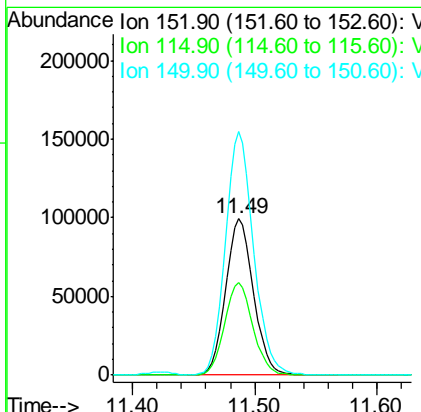
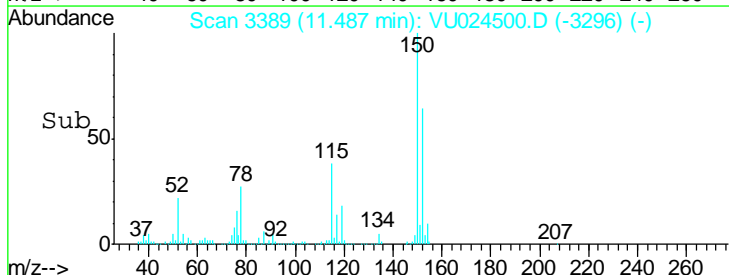
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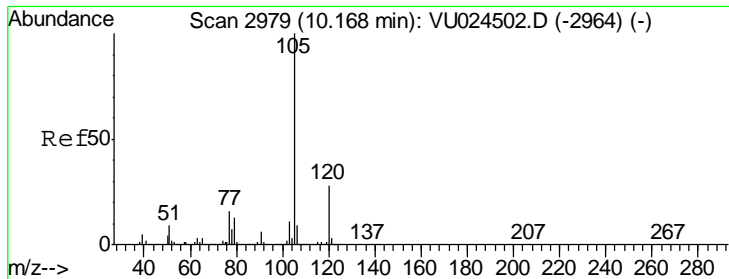


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



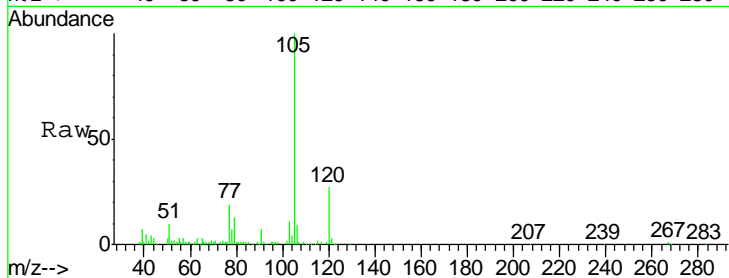
Tgt Ion	Resp	Lower	Upper
152	158455		
152	100		
115	60.8	43.0	129.0
150	156.7	0.0	354.0





#73
 Isopropylbenzene
 Concen: 5.835 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

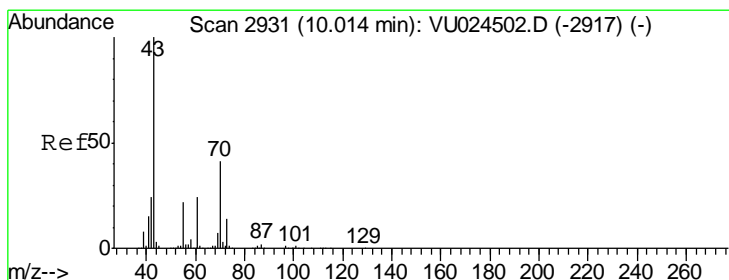
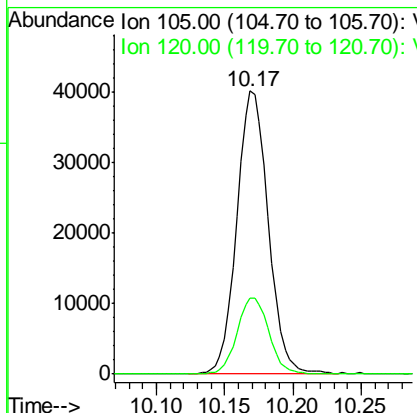
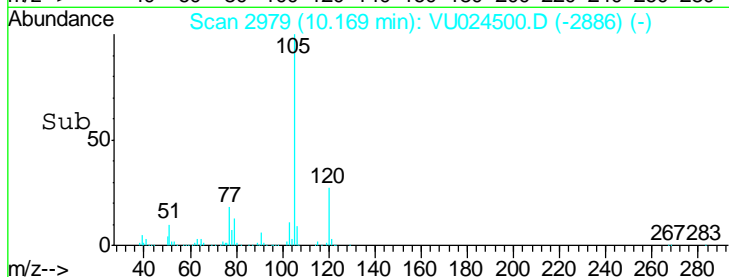
Instrument : MSVOA_U
 ClientSampled : VSTDIC005



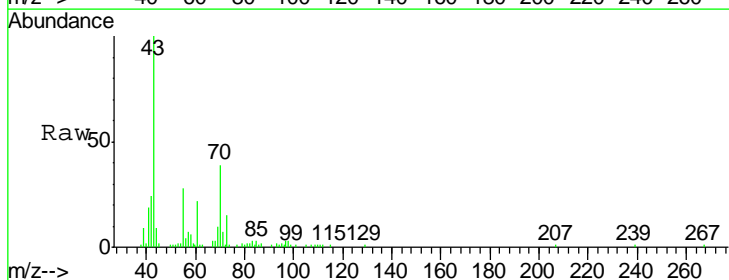
Tgt Ion: 105 Resp: 63738
 Ion Ratio Lower Upper
 105 100
 120 27.5 13.2 39.6

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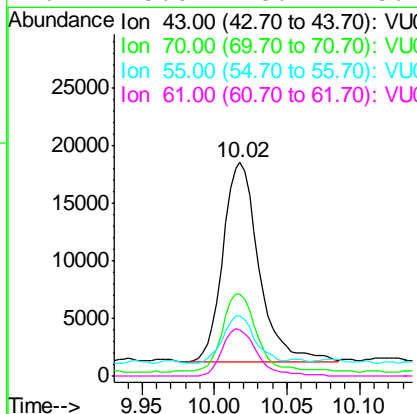
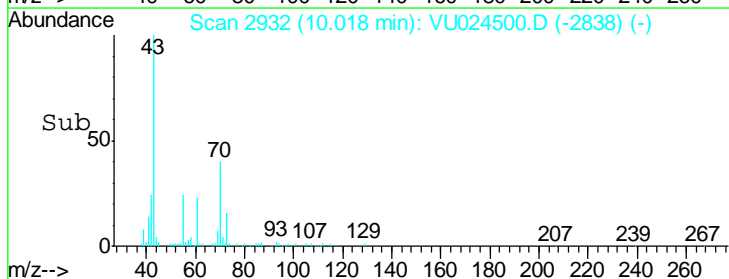
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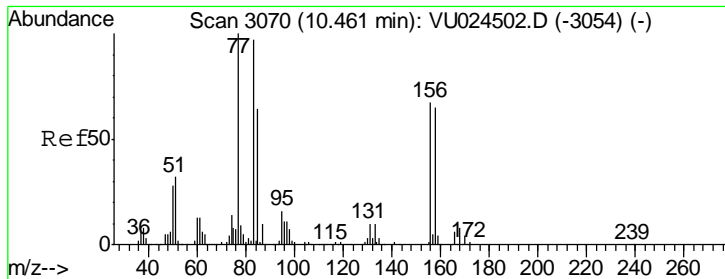


#74
 N-aryl acetate
 Concen: 6.077 ug/l
 RT: 10.02 min Scan# 2932
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



Tgt Ion: 43 Resp: 30047
 Ion Ratio Lower Upper
 43 100
 70 37.7 32.2 48.4
 55 20.6 20.5 30.7
 61 23.0 18.7 28.1





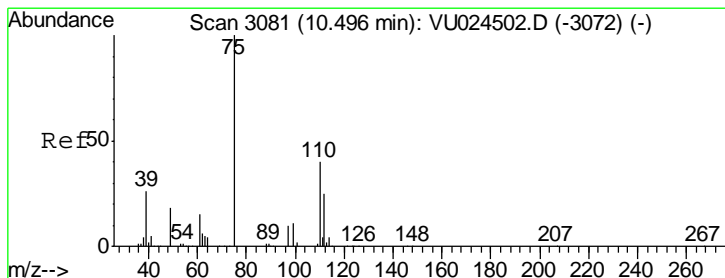
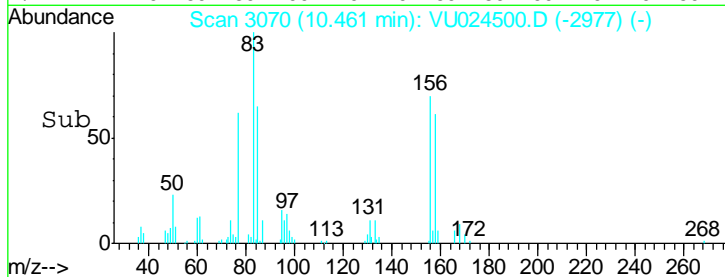
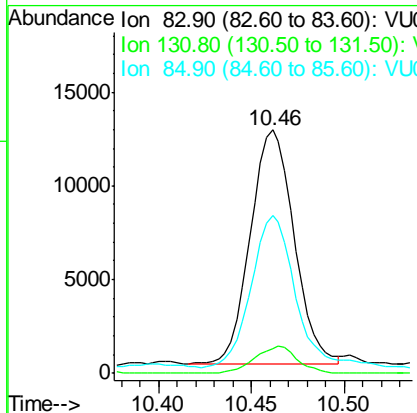
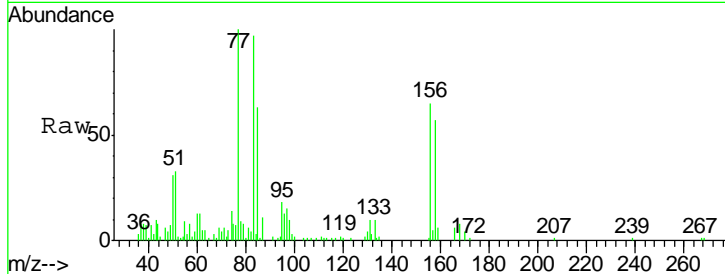
#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.314 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	100		
131	11.4	4.7	14.1
85	66.3	32.5	97.5

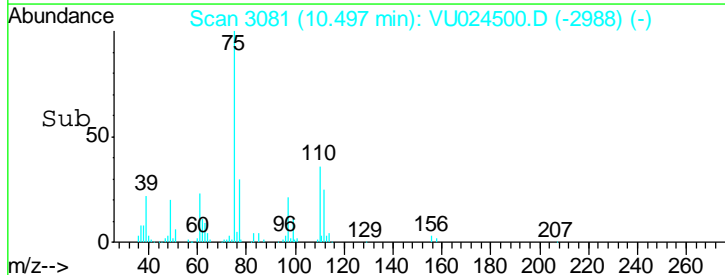
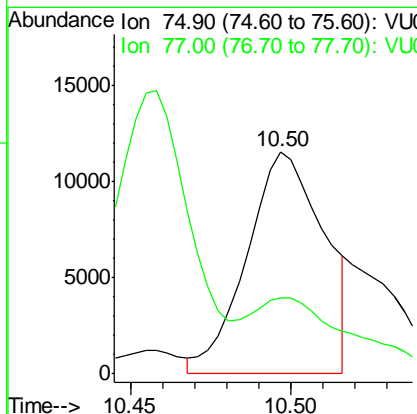
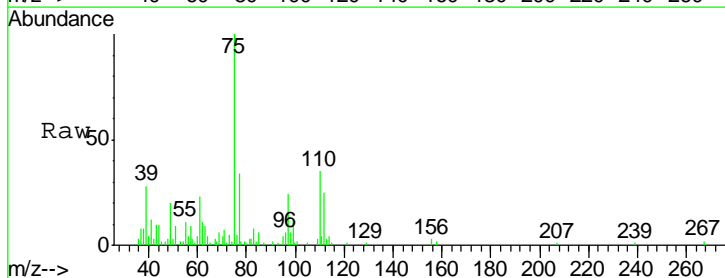
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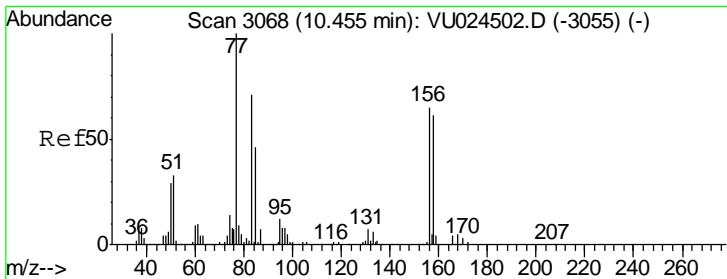
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#76
 1,2,3-Trichloropropane
 Concen: 5.794 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
75	100		
77	41.8	20.9	62.7





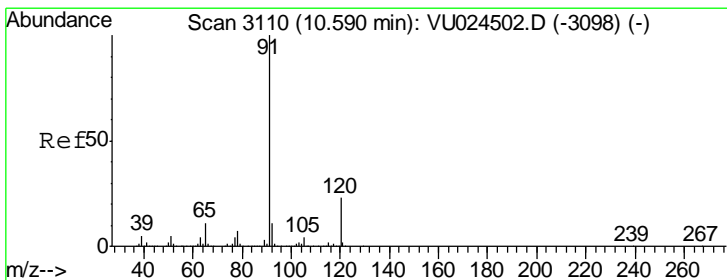
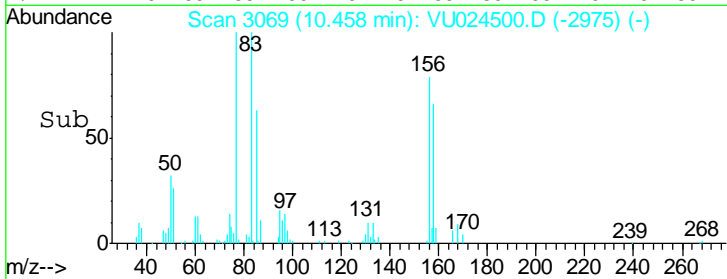
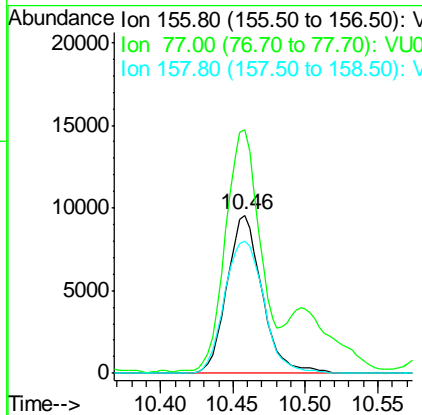
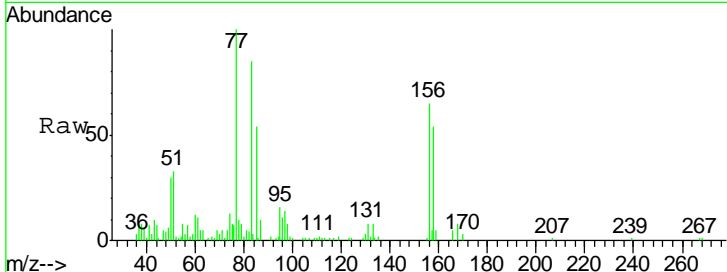
#77
 Bromobenzene
 Concen: 5.324 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
156	16104		
77	148.5	80.5	241.3
158	93.1	48.2	144.6

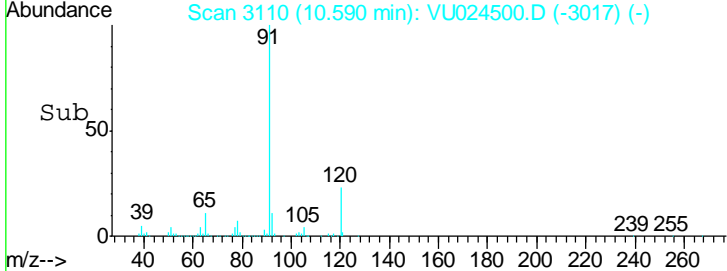
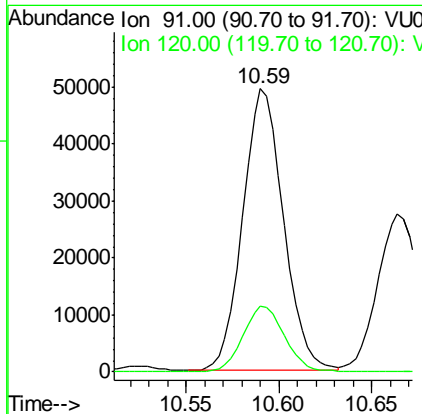
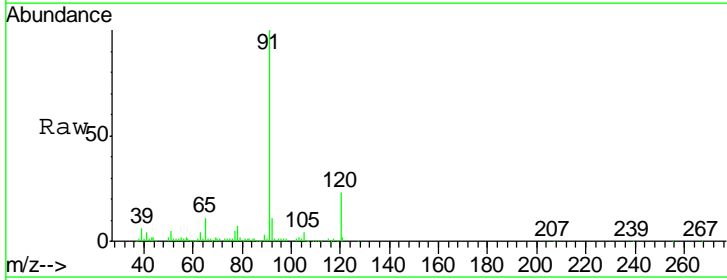
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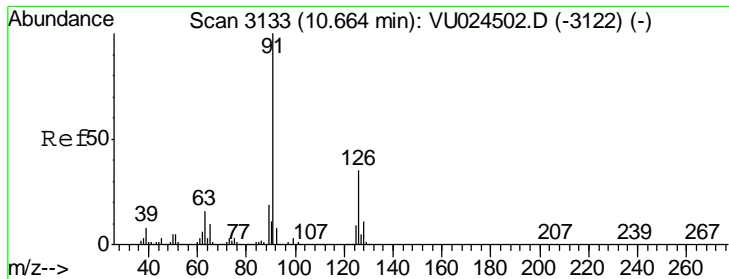
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#78
 n-propylbenzene
 Concen: 5.587 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
91	75667		
120	24.0	11.2	33.5





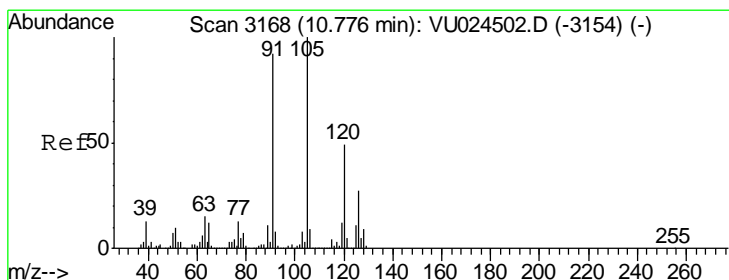
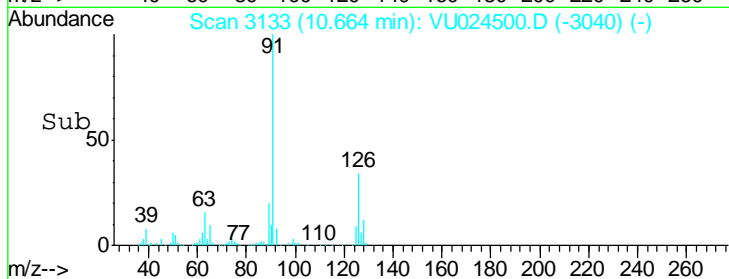
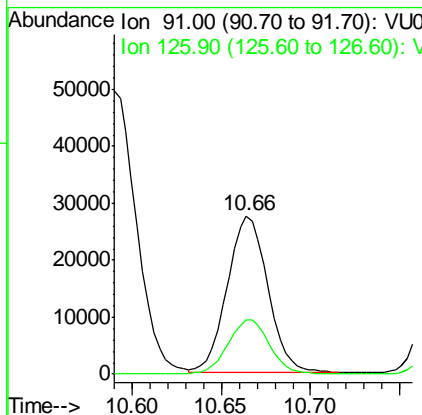
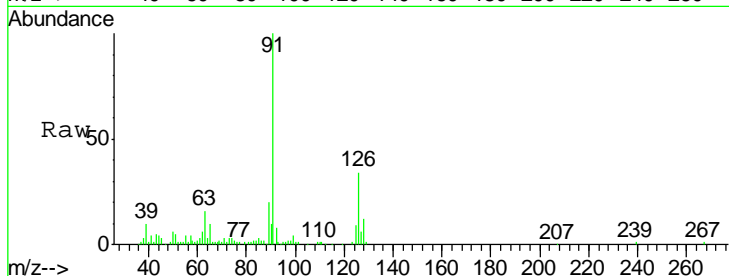
#79
 2-Chlorotoluene
 Concen: 5.296 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	43538		
126	35.6	16.9	50.7

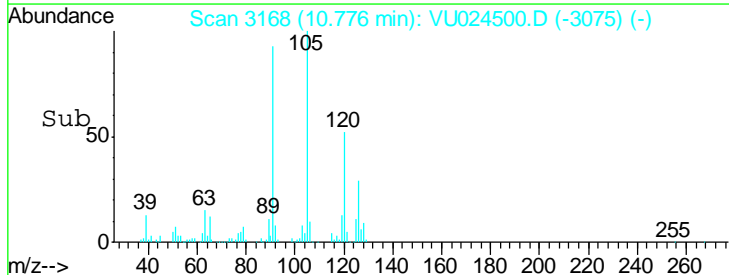
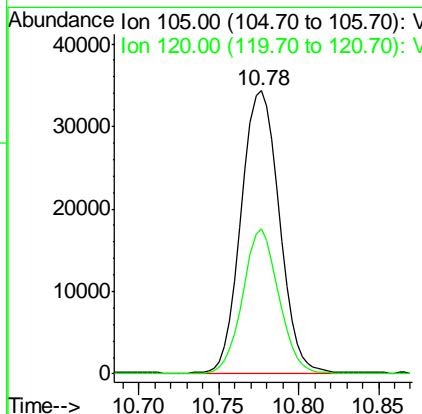
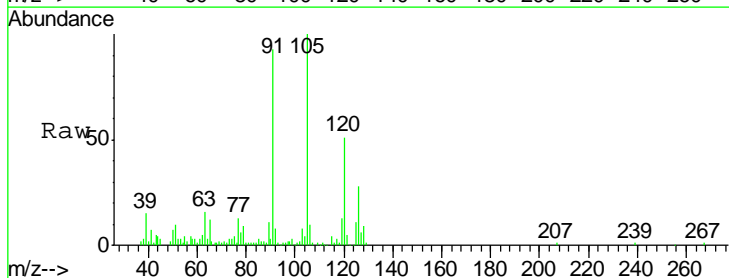
Manual Integrations
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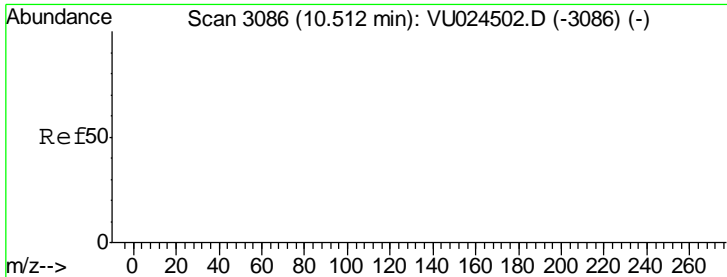
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 6/14/2018 9:44:22 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.997 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
105	55557		
120	48.5	24.1	72.2





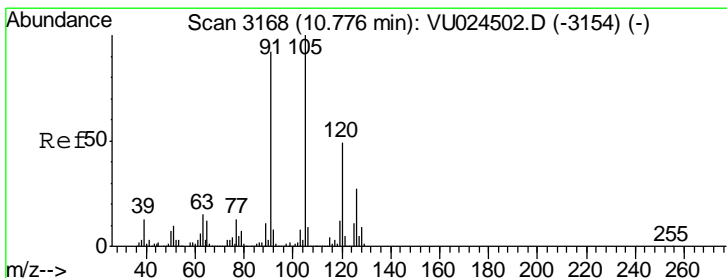
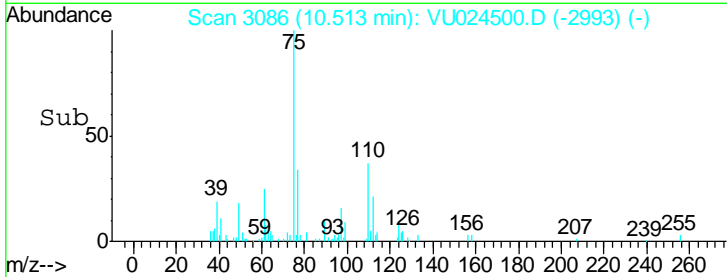
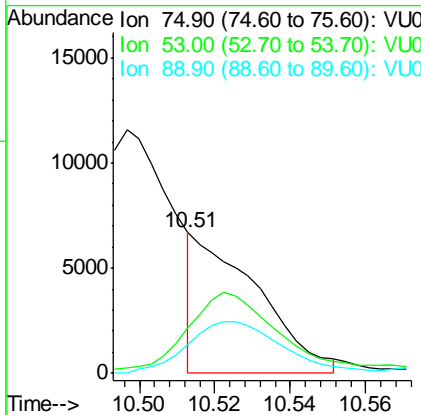
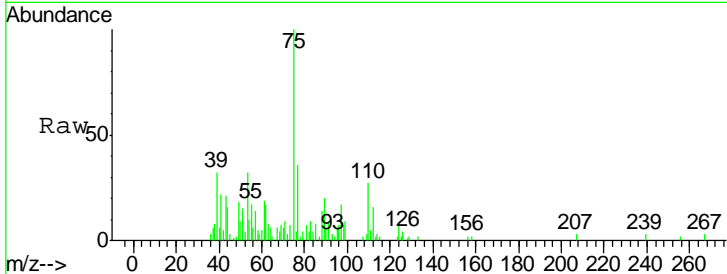
#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.967 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

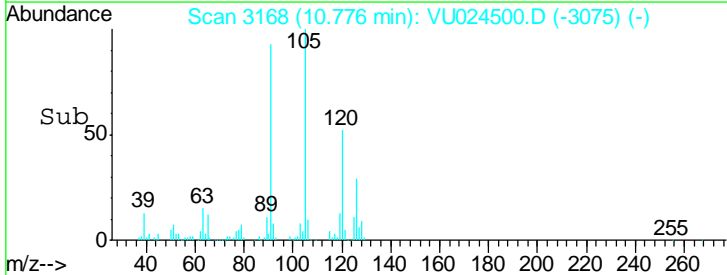
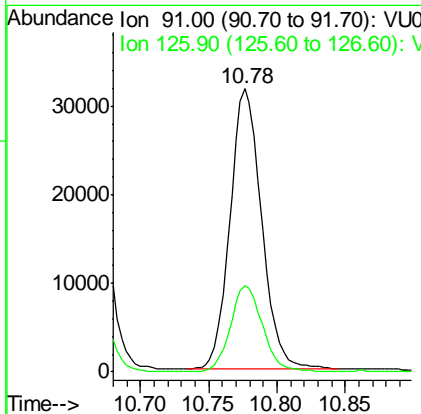
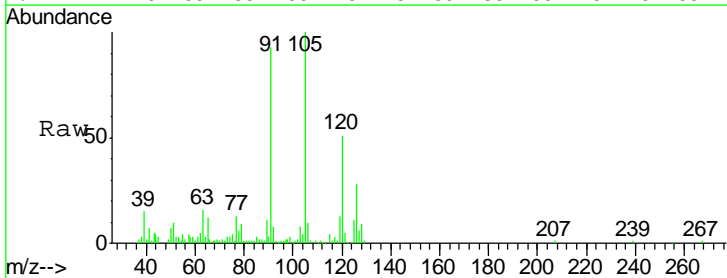
Manual Integrations
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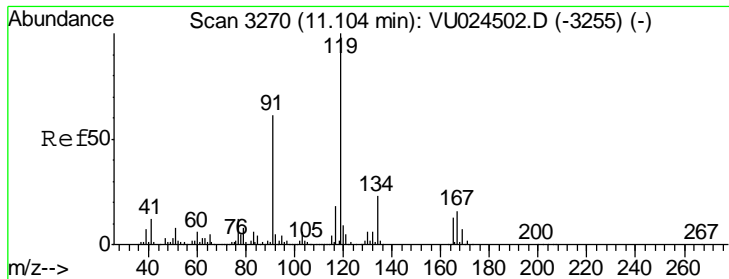
MMDadoda
 6/14/2018 9:44:22 AM



#82
 4-Chlorotoluene
 Concen: 5.347 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

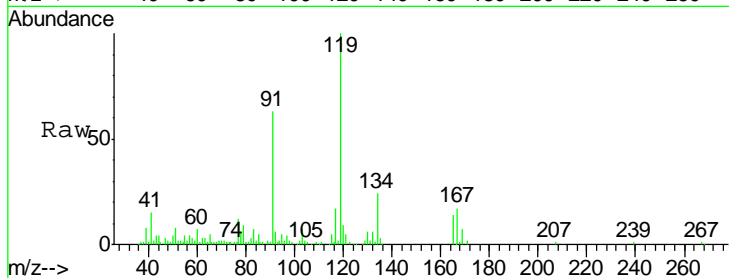
Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	14.9	44.9





#83
 tert-Butylbenzene
 Concen: 5.931 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

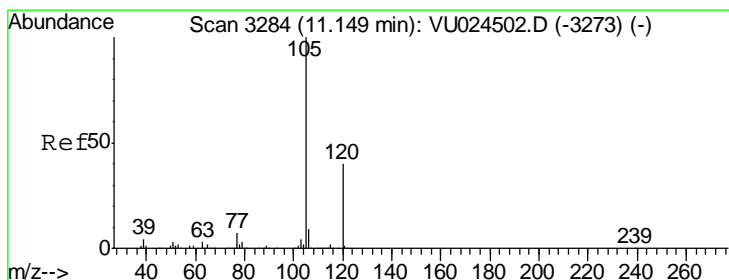
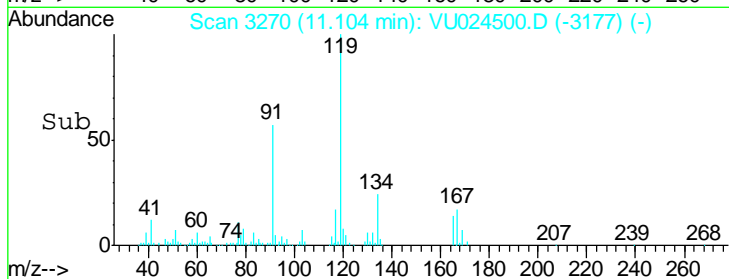
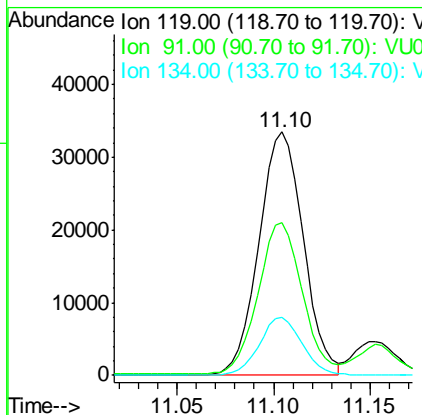
Instrument : MSVOA_U
 ClientSampled : VSTDIC005



Tgt Ion	Resp	Lower	Upper
119	53481		
91	61.8	29.7	89.1
134	22.9	11.6	34.7

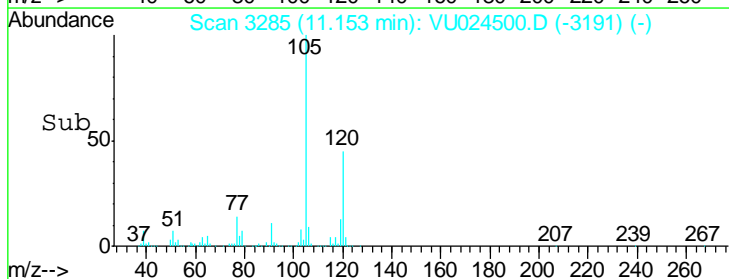
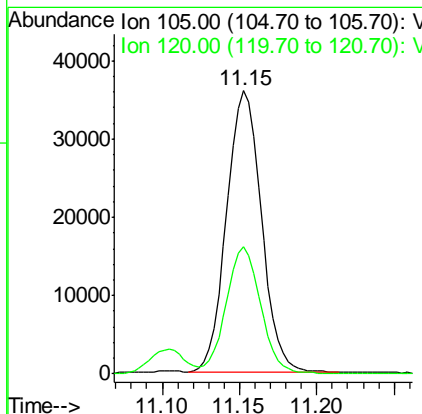
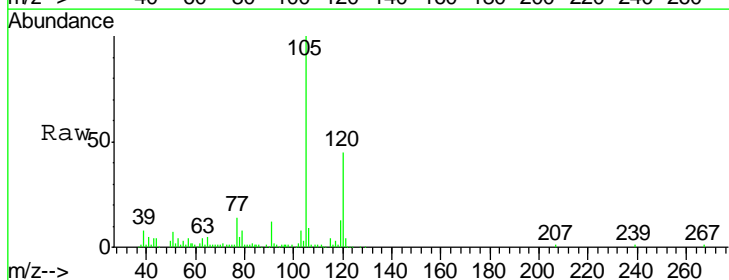
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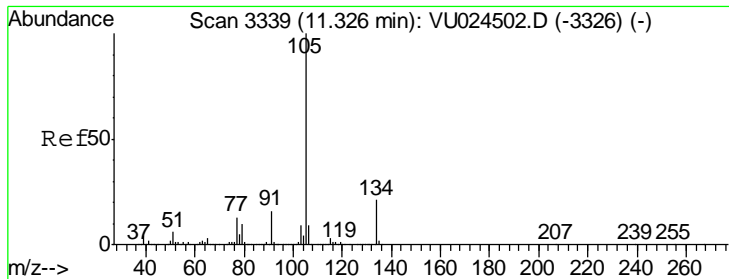
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 6/14/2018 9:44:22 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 6.006 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

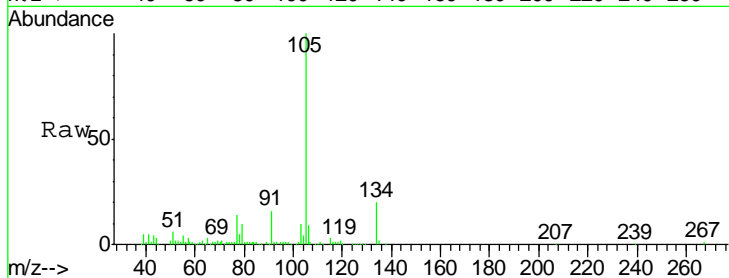
Tgt Ion	Resp	Lower	Upper
105	56228		
120	44.8	22.6	67.8





#85
 sec-Butylbenzene
 Concen: 5.842 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

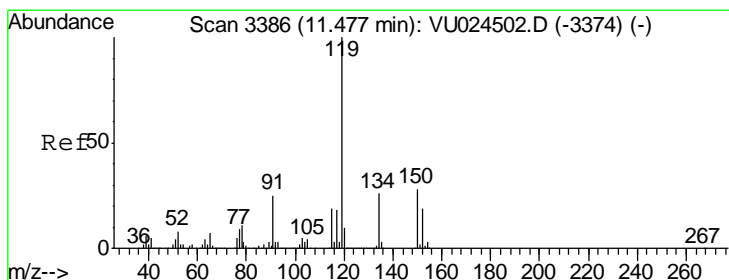
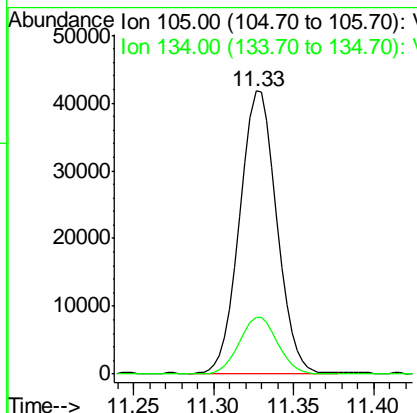
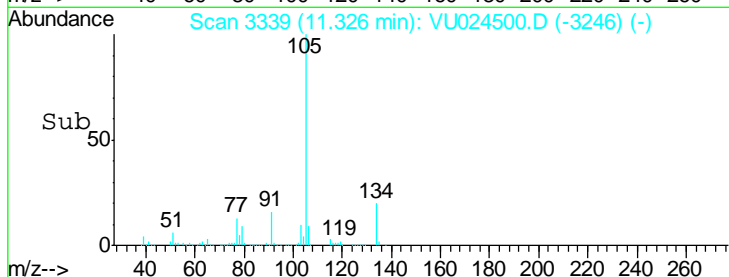
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



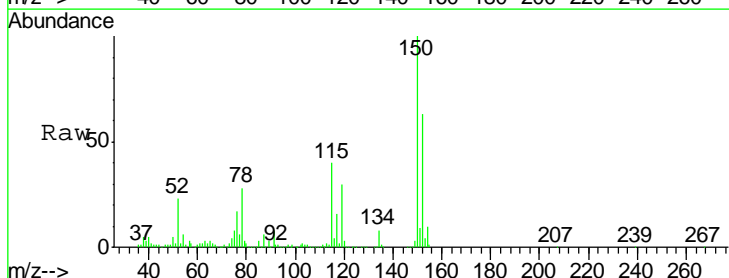
Tgt Ion: 105 Resp: 66144
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.7 29.1

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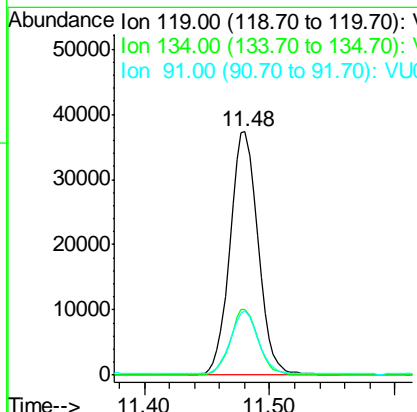
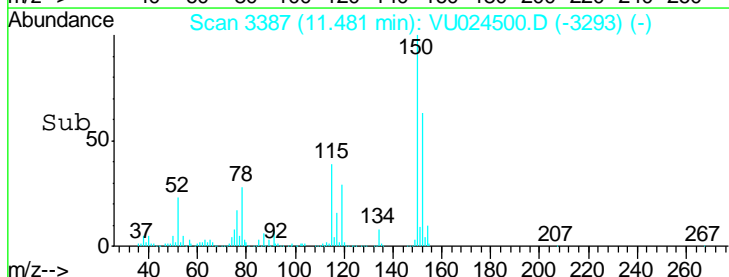
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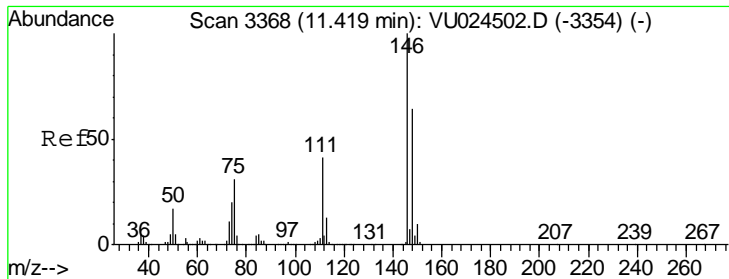


#86
 p-Isopropyltoluene
 Concen: 5.830 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



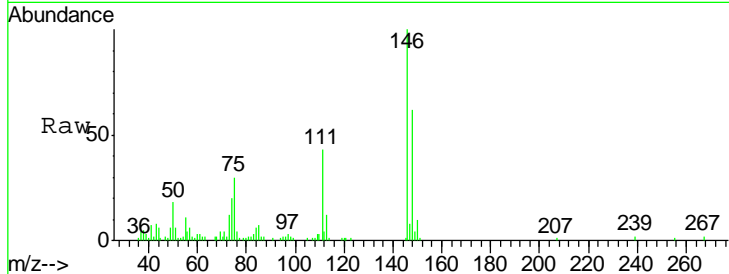
Tgt Ion: 119 Resp: 58336
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.9 38.6
 91 25.2 12.0 36.1





#87
 1,3-Dichlorobenzene
 Concen: 4.933 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

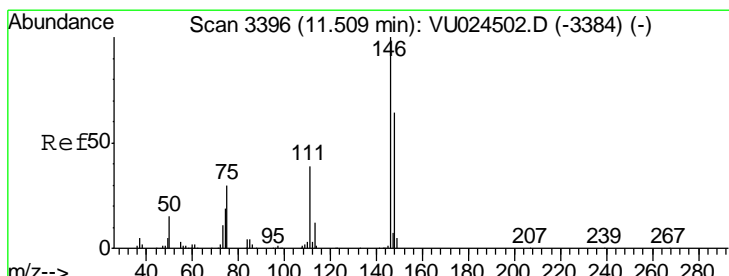
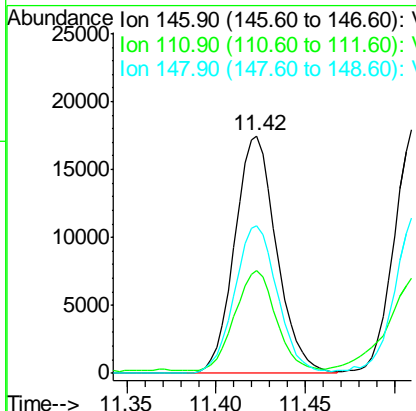
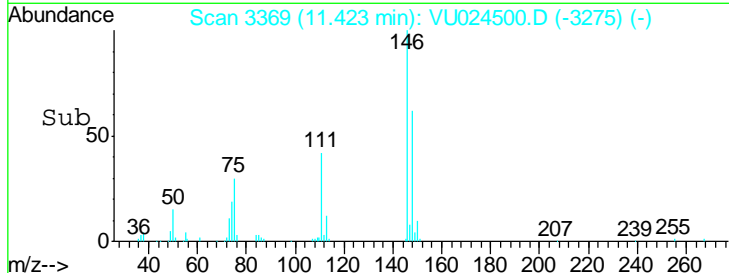
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



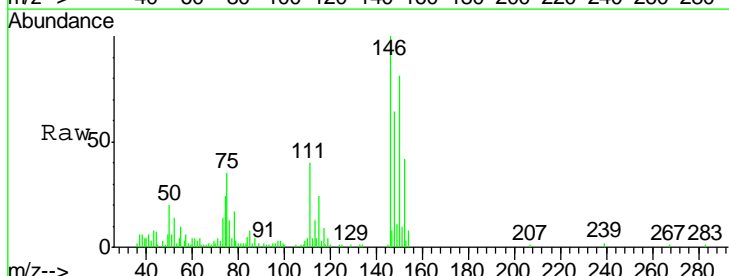
Tgt Ion	Resp	Lower	Upper
146	28681		
111	41.4	20.0	60.0
148	63.8	32.1	96.5

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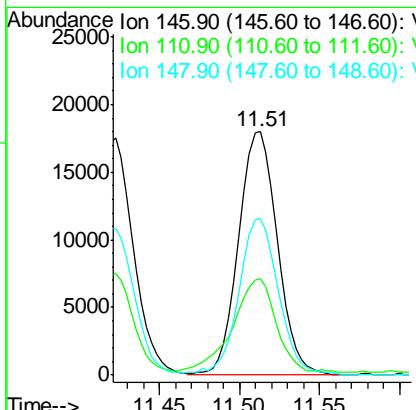
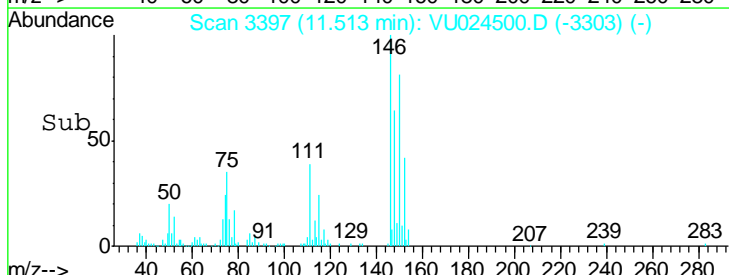
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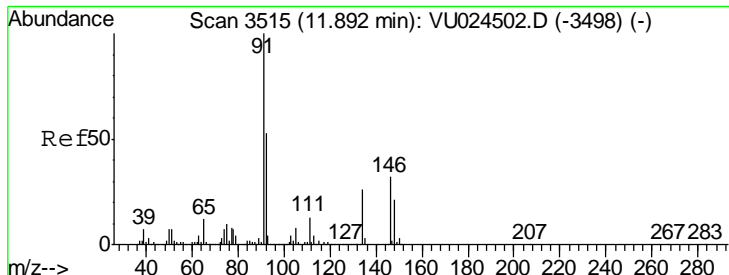


#88
 1,4-Dichlorobenzene
 Concen: 4.895 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



Tgt Ion	Resp	Lower	Upper
146	29793		
111	41.7	19.5	58.5
148	65.6	32.4	97.0





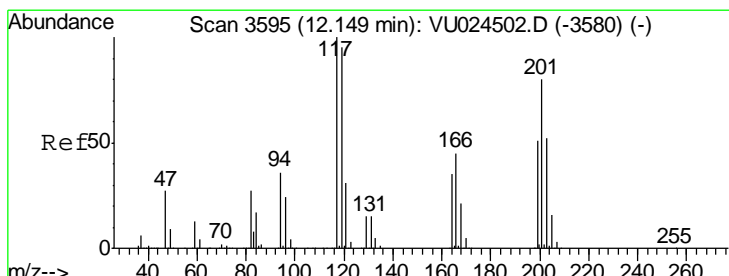
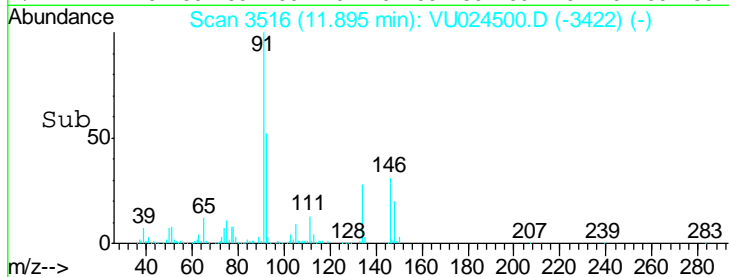
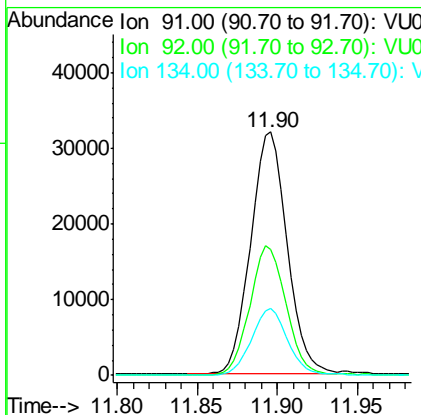
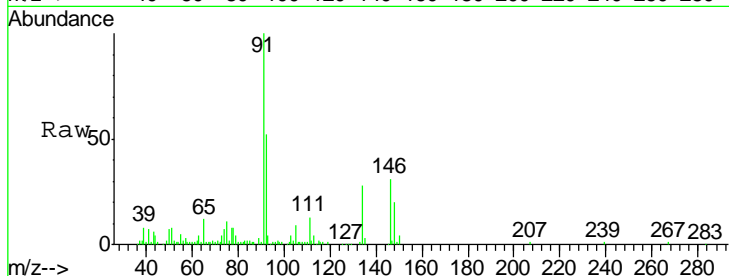
#89
 n-Butylbenzene
 Concen: 5.102 ug/l
 RT: 11.90 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
92	53.1	25.6	76.8
134	27.6	12.3	36.8

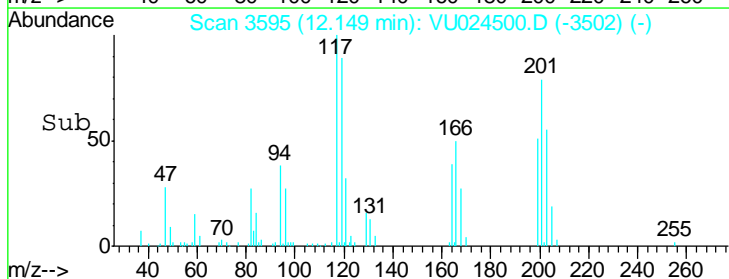
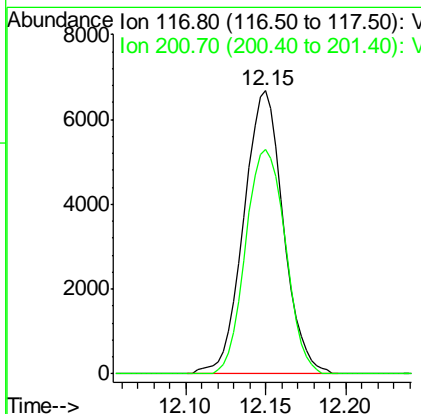
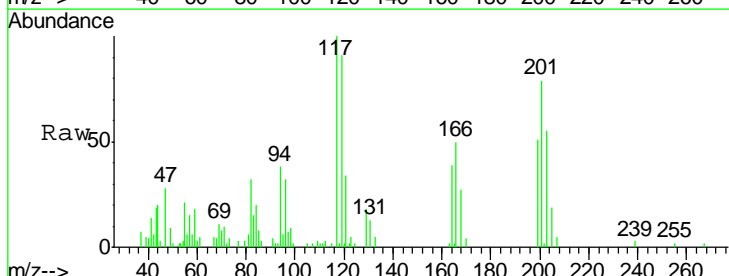
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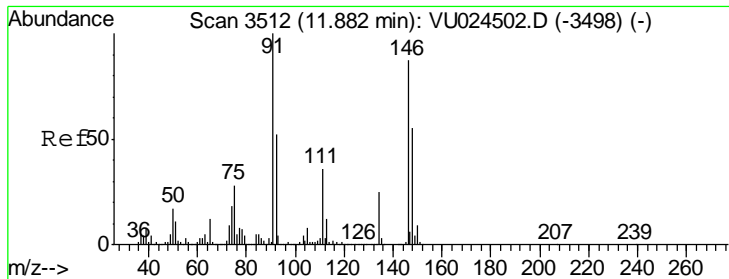
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#90
 Hexachloroethane
 Concen: 6.287 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

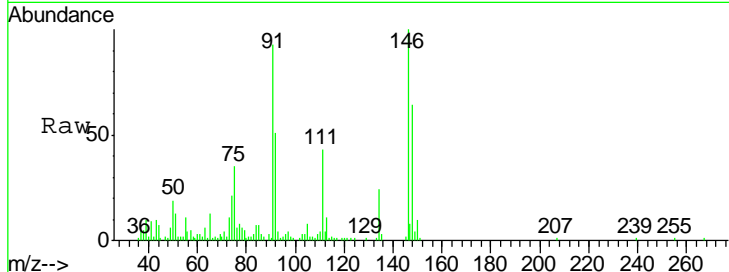
Tgt Ion	Resp	Lower	Upper
117	100		
201	79.7	41.1	123.3





#91
 1,2-Dichlorobenzene
 Concen: 5.009 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

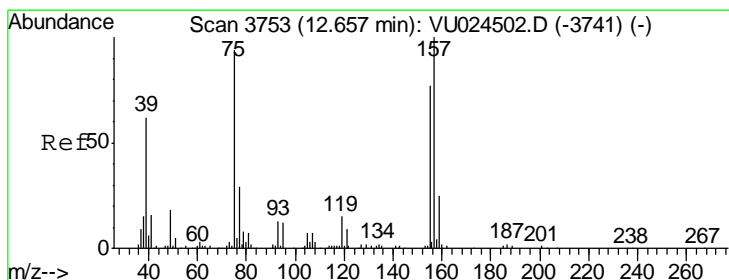
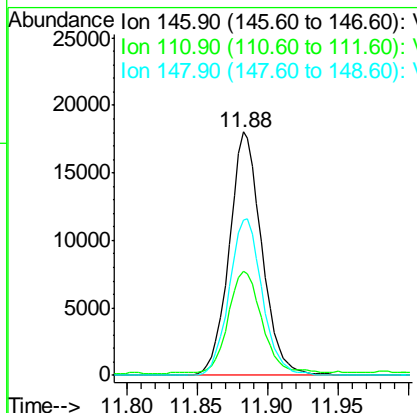
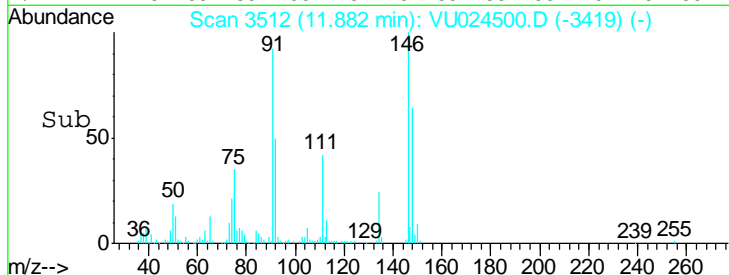
Instrument : MSVOA_U
 Client Sampled : VSTDIC005



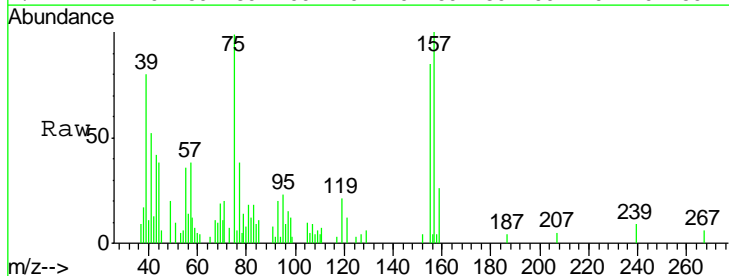
Tgt Ion	Resp	Lower	Upper
146	29119		
146	100		
111	44.3	20.5	61.6
148	65.3	31.9	95.7

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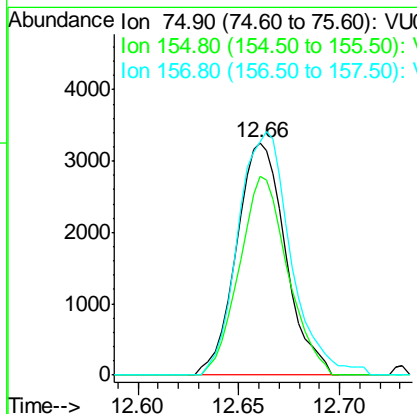
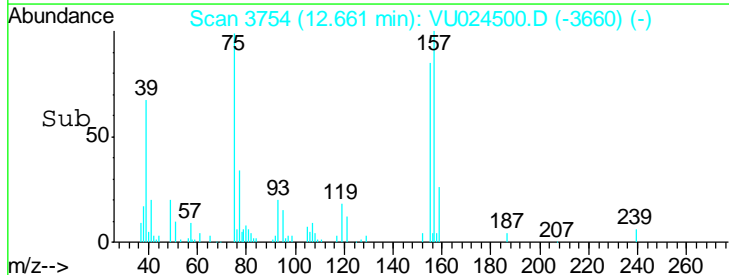
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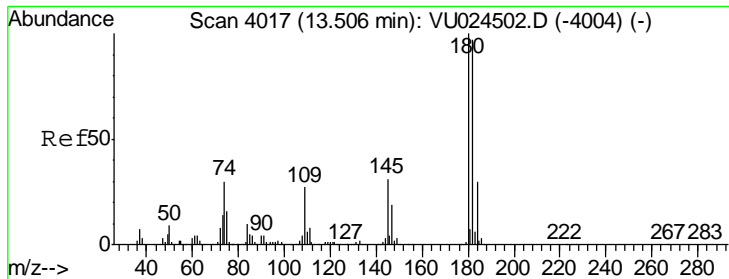


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.714 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



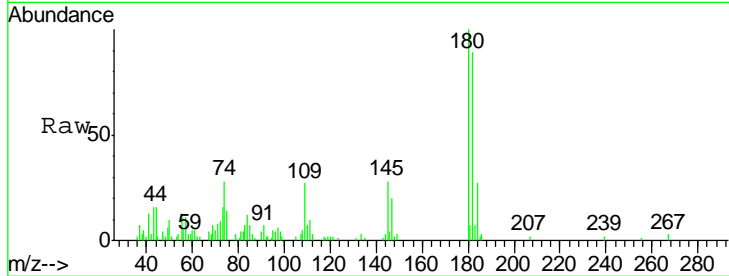
Tgt Ion	Resp	Lower	Upper
75	5526		
75	100		
155	84.4	40.4	121.2
157	112.9	52.3	156.8





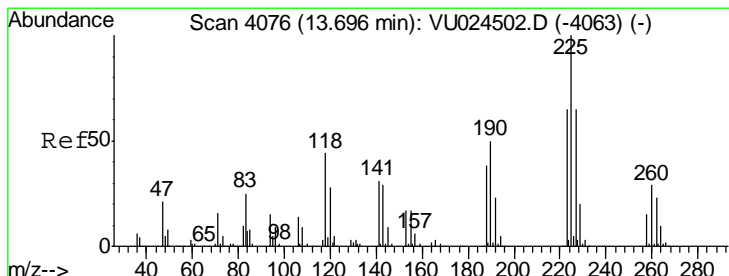
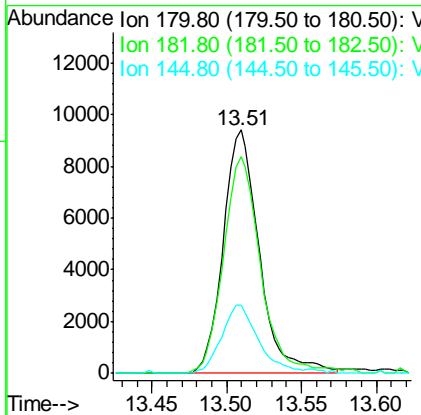
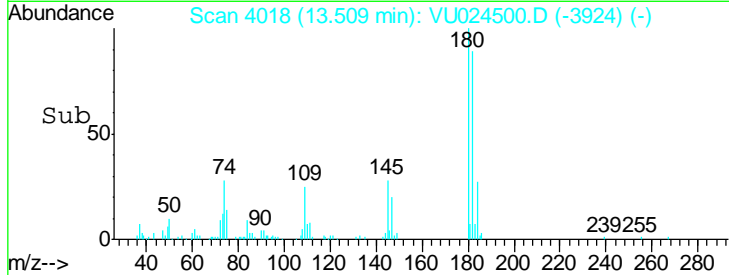
#93
 1,2,4-Trichlorobenzene
 Concen: 4.620 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 ClientSampled : VSTDIC005

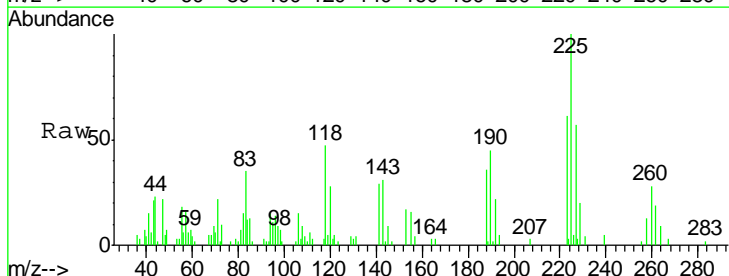


Tgt Ion	Resp	Lower	Upper
180	15864		
182	91.5	48.0	144.2
145	28.6	14.7	44.1

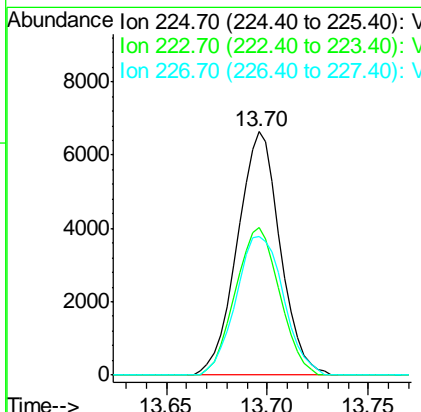
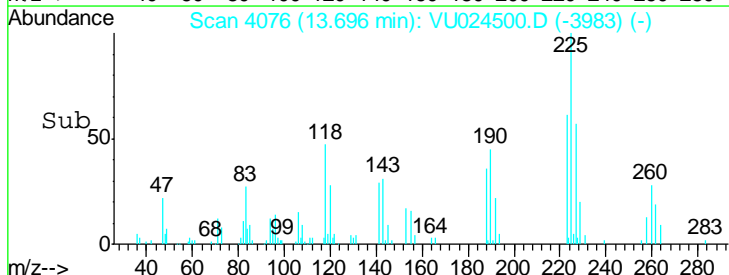
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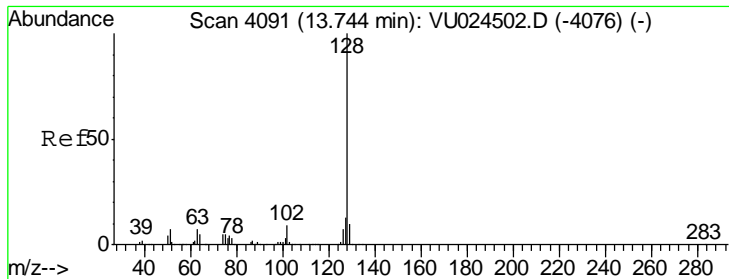


#94
 Hexachlorobutadiene
 Concen: 4.843 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56



Tgt Ion	Resp	Lower	Upper
225	9879		
223	62.4	31.3	93.8
227	63.4	31.8	95.4





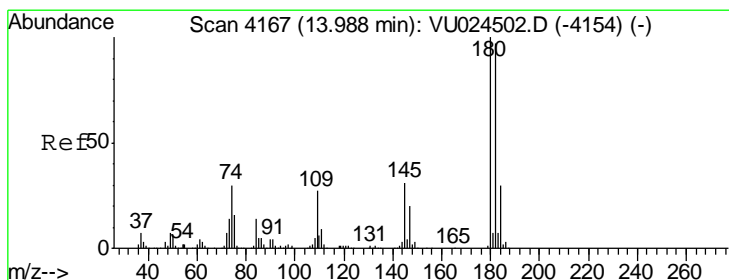
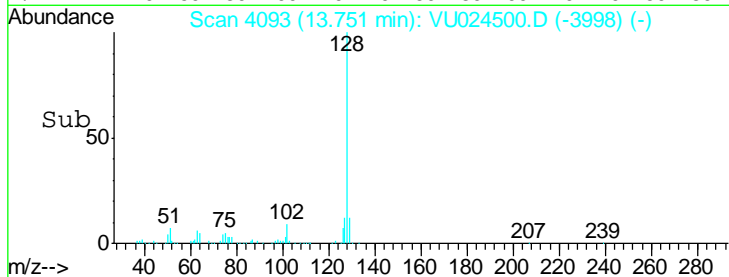
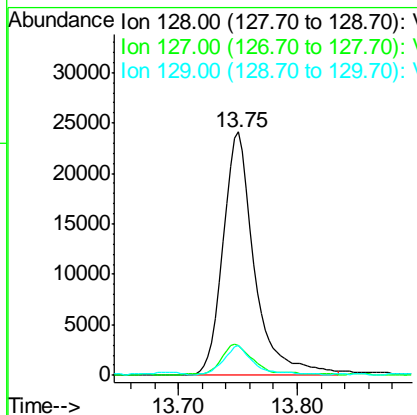
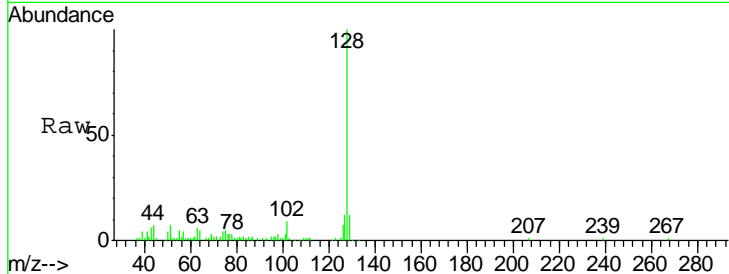
#95
 Naphthalene
 Concen: 4.700 ug/l
 RT: 13.75 min Scan# 4093
 Delta R.T. 0.01 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Instrument : MSVOA_U
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
128	44133		
127	12.8	10.6	16.0
129	12.2	8.6	12.8

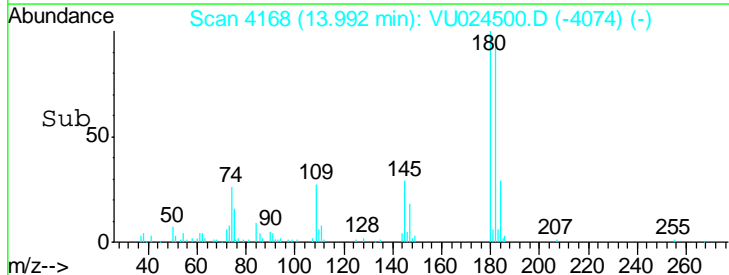
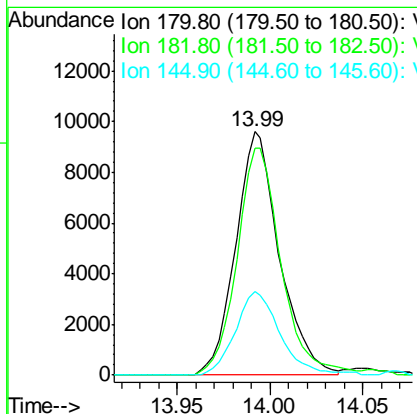
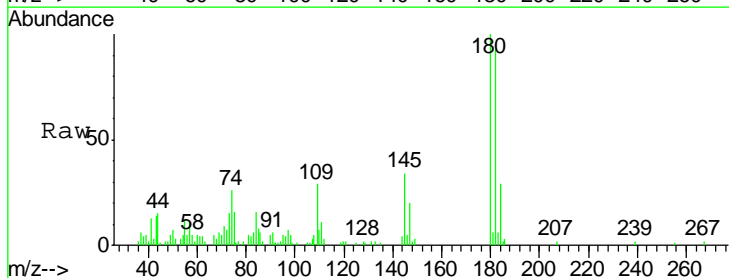
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#96
 1,2,3-Trichlorobenzene
 Concen: 4.519 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU024500.D
 Acq: 13 Jun 2018 11:56

Tgt Ion	Resp	Lower	Upper
180	15680		
182	94.0	47.9	143.7
145	35.1	15.4	46.1



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024501.D
 Acq On : 13 Jun 2018 12:19
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Manual Integrations
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Quant Time: Jun 13 13:13:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	198881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	311978	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	169294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	65695	16.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.36%	
35) Dibromofluoromethane	4.89	113	51947	16.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.42%	
50) Toluene-d8	7.57	98	190597	15.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.84%	
62) 4-Bromofluorobenzene	10.31	95	73533	16.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	48875	16.213	ug/l	99
3) Chloromethane	1.33	50	49358	14.052	ug/l	100
4) Vinyl Chloride	1.41	62	50179	12.832	ug/l	95
5) Bromomethane	1.63	94	25539	11.885	ug/l	99
6) Chloroethane	1.70	64	29694	11.226	ug/l	97
7) Trichlorofluoromethane	1.89	101	78541	14.791	ug/l	98
8) Diethyl Ether	2.10	74	29140	13.726	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.29	101	47123	15.942	ug/l	97
10) Methyl Iodide	2.41	142	31101	16.595	ug/l	99
11) Tert butyl alcohol	2.82	59	81691	109.204	ug/l	97
12) 1,1-Dichloroethene	2.29	96	45154	16.307	ug/l	95
13) Acrolein	2.20	56	41132	52.822	ug/l	98
14) Allyl chloride	2.60	41	81886	17.430	ug/l	97
15) Acrylonitrile	2.94	53	158616	79.388	ug/l	99
16) Acetone	2.32	43	173681	69.087	ug/l	98
17) Carbon Disulfide	2.48	76	142299	16.703	ug/l	99
18) Methyl Acetate	2.62	43	74594	14.931	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	168057	19.313	ug/l	96
20) Methylene Chloride	2.71	84	52077	15.075	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	49275	16.584	ug/l	96
22) Diisopropyl ether	3.58	45	167772	17.723	ug/l	92
23) Vinyl Acetate	3.53	43	744862	107.064	ug/l	99
24) 1,1-Dichloroethane	3.45	63	96159	16.224	ug/l	99
25) 2-Butanone	4.26	43	243329	80.943	ug/l	97
26) 2,2-Dichloropropane	4.23	77	89129	19.725	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	55976	17.338	ug/l	98
28) Bromochloromethane	4.55	49	44282	20.402	ug/l	92
29) Tetrahydrofuran	4.64	42	148142	86.355	ug/l	97
30) Chloroform	4.68	83	95215	15.856	ug/l	98
31) Cyclohexane	5.00	56	90422	15.384	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	88187	18.259	ug/l	96
36) 1,1-Dichloropropene	5.14	75	70987	15.944	ug/l	96
37) Ethyl Acetate	4.38	43	85268	17.082	ug/l	# 97
38) Carbon Tetrachloride	5.14	117	79289	18.702	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024501.D
 Acq On : 13 Jun 2018 12:19
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:27 AM

Quant Time: Jun 13 13:13:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	88970	18.496	ug/l	96
40) Benzene	5.39	78	206838	15.413	ug/l	100
41) Methacrylonitrile	4.55	41	46278	16.542	ug/l	98
42) 1,2-Dichloroethane	5.41	62	78799	15.332	ug/l	99
43) Isopropyl Acetate	5.55	43	138322	18.194	ug/l	98
44) Trichloroethene	6.19	130	57825	16.538	ug/l	94
45) 1,2-Dichloropropane	6.44	63	55715	15.448	ug/l	97
46) Dibromomethane	6.56	93	39006	16.337	ug/l	97
47) Bromodichloromethane	6.76	83	76999	16.668	ug/l	99
48) Methyl methacrylate	6.63	41	67277	18.051	ug/l	99
49) 1,4-Dioxane	6.62	88	27728	352.644	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	441909	80.567	ug/l	99
52) Toluene	7.64	92	128763	16.168	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	86038	17.910	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	90260	17.220	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	51267	15.005	ug/l	98
56) Ethyl methacrylate	8.02	69	91343	20.513	ug/l	98
57) 1,3-Dichloropropane	8.25	76	90111	15.358	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	163279	71.296	ug/l	97
59) 2-Hexanone	8.36	43	357269	81.414	ug/l	100
60) Dibromochloromethane	8.48	129	63104	18.203	ug/l	99
61) 1,2-Dibromoethane	8.59	107	57555	16.106	ug/l	97
64) Tetrachloroethene	8.23	164	55748	19.011	ug/l	98
65) Chlorobenzene	9.12	112	145897	16.995	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	55533	18.847	ug/l	98
67) Ethyl Benzene	9.25	91	259683	18.761	ug/l	97
68) m/p-Xylenes	9.38	106	198140	37.579	ug/l	98
69) o-Xylene	9.78	106	98668	20.302	ug/l	96
70) Styrene	9.80	104	159899	19.323	ug/l	98
71) Bromoform	9.96	173	51919	20.415	ug/l #	100
73) Isopropylbenzene	10.17	105	264998	22.705	ug/l	99
74) N-amyl acetate	10.01	43	122600	23.207	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	86657	17.119	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	76154m	21.447	ug/l	
77) Bromobenzene	10.45	156	65061	20.132	ug/l	99
78) n-propylbenzene	10.59	91	312370	21.588	ug/l	98
79) 2-Chlorotoluene	10.66	91	180544	20.556	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	222581	22.488	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	32667m	19.517	ug/l	
82) 4-Chlorotoluene	10.78	91	209740	20.584	ug/l	100
83) tert-Butylbenzene	11.10	119	217370	22.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	230190	23.015	ug/l	100
85) sec-Butylbenzene	11.33	105	274368	22.681	ug/l	98
86) p-Isopropyltoluene	11.48	119	240901	22.534	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	120700	19.431	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	119217	18.335	ug/l	99
89) n-Butylbenzene	11.89	91	217149	20.643	ug/l	97
90) Hexachloroethane	12.15	117	45300	23.636	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	120049	19.327	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24452	23.664	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024501.D
 Acq On : 13 Jun 2018 12:19
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:27 AM

Quant Time: Jun 13 13:13:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	78280	21.336	ug/l	100
94) Hexachlorobutadiene	13.70	225	42364	19.439	ug/l	99
95) Naphthalene	13.75	128	243070	24.228	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	79810	21.527	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

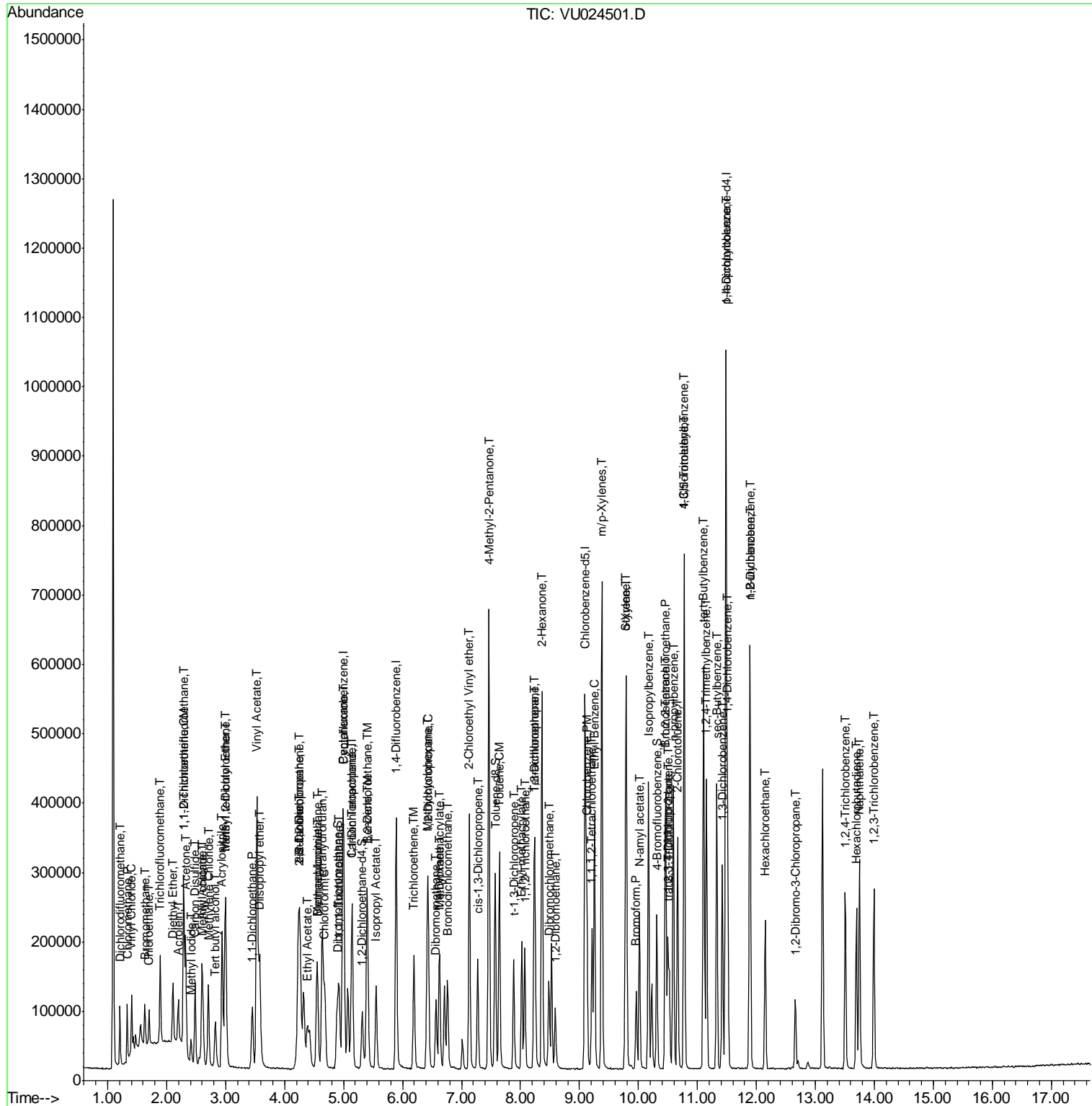
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 Data File : VU024501.D
 Acq On : 13 Jun 2018 12:19
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC020

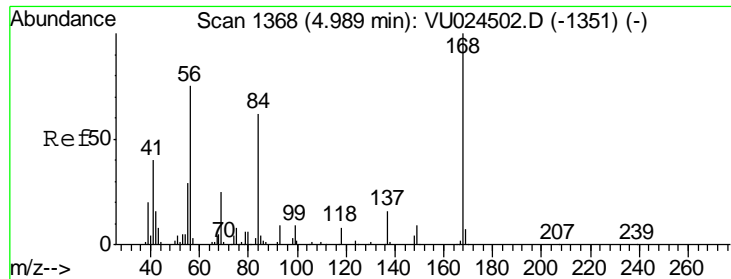
Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:27 AM

Quant Time: Jun 13 13:13:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration



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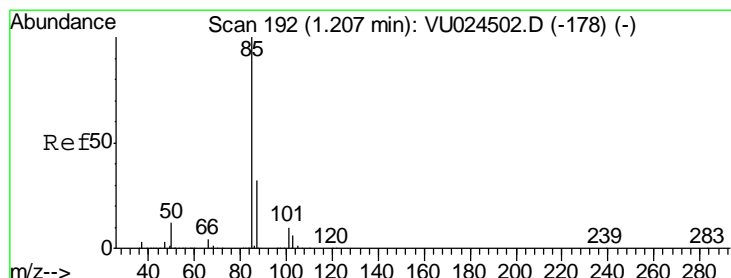
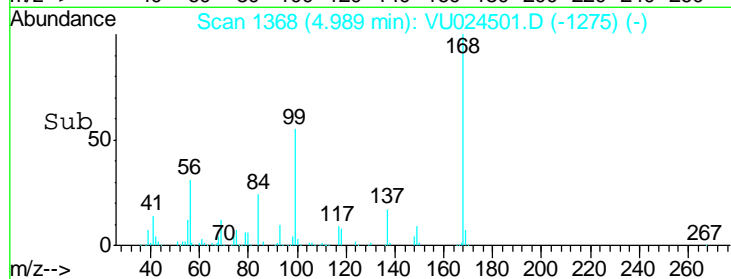
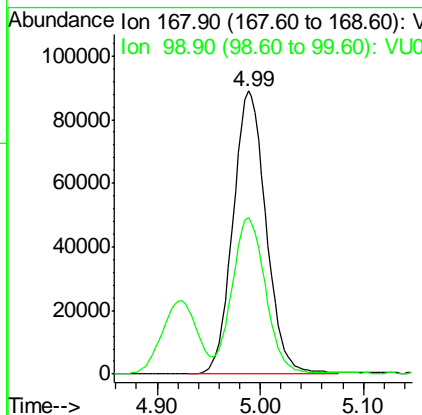
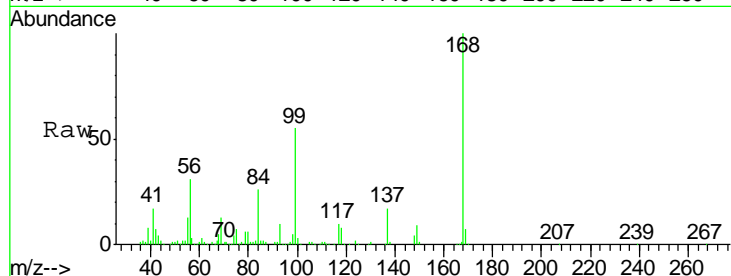
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 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
168	198881		
99	54.9	43.2	64.8

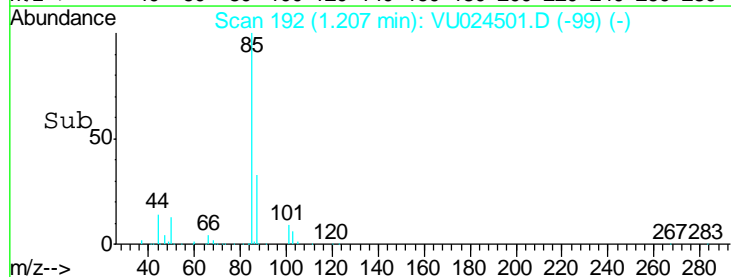
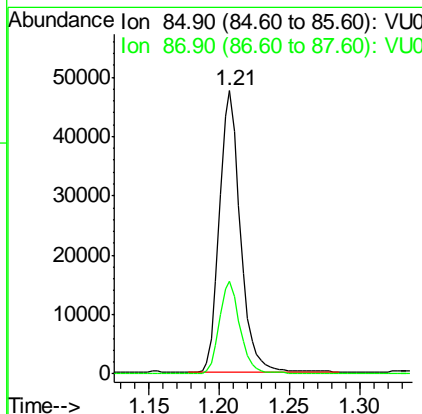
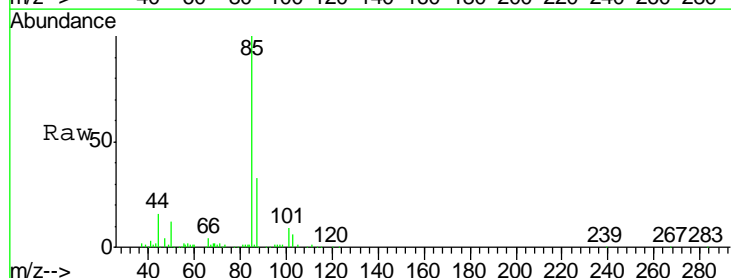
Manual Integrations
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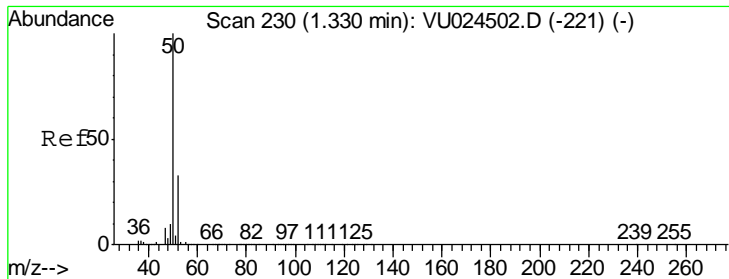
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 6/14/2018 9:44:27 AM



#2
 Dichlorodifluoromethane
 Concen: 16.213 ug/l
 RT: 1.21 min Scan# 192
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
85	48875		
87	32.8	16.1	48.2





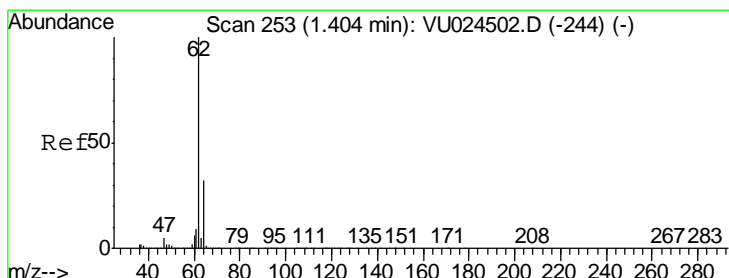
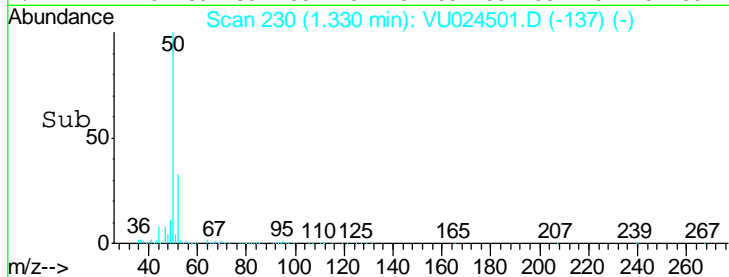
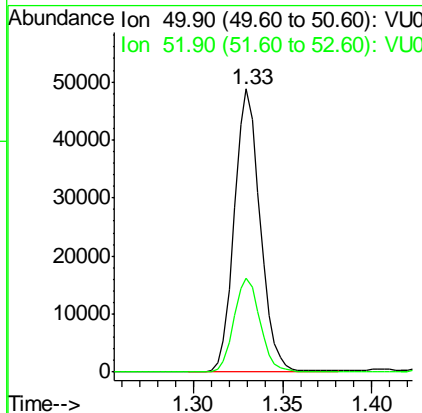
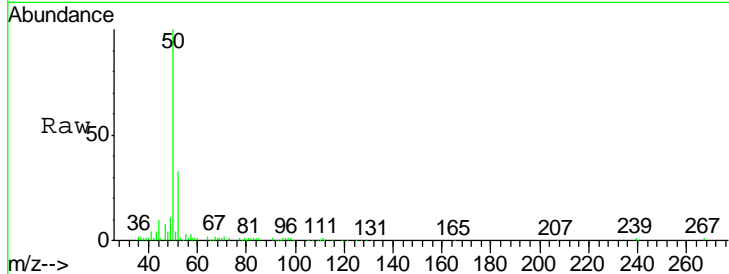
#3
 Chloromethane
 Concen: 14.052 ug/l
 RT: 1.33 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
50	49358		
52	33.2	26.4	39.6

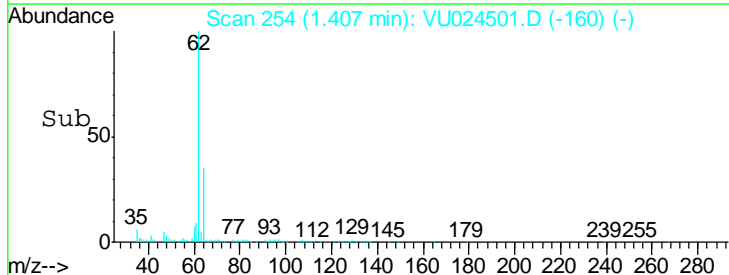
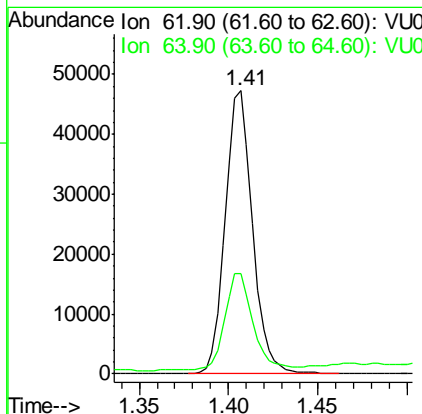
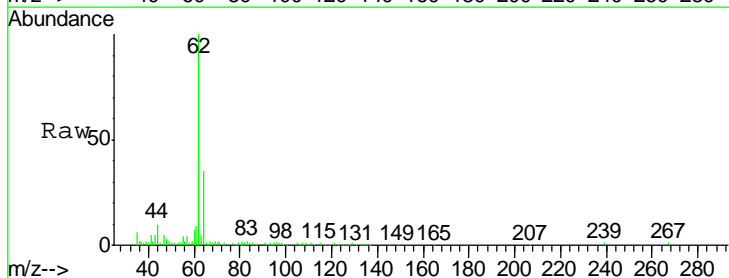
Manual Integrations
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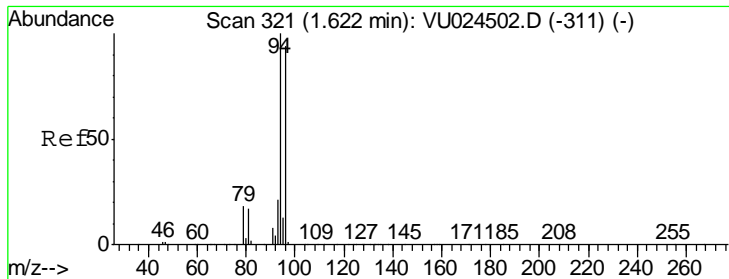
MMDadoda
 6/14/2018 9:44:27 AM



#4
 Vinyl Chloride
 Concen: 12.832 ug/l
 RT: 1.41 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
62	50179		
64	33.5	24.8	37.2





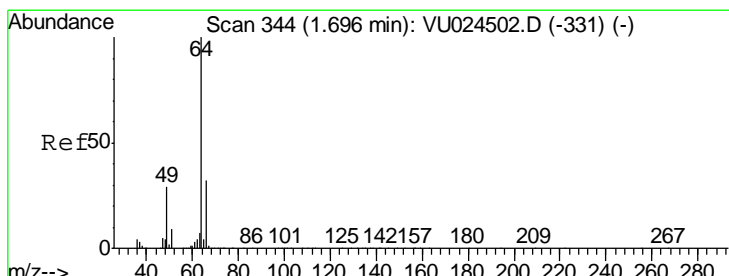
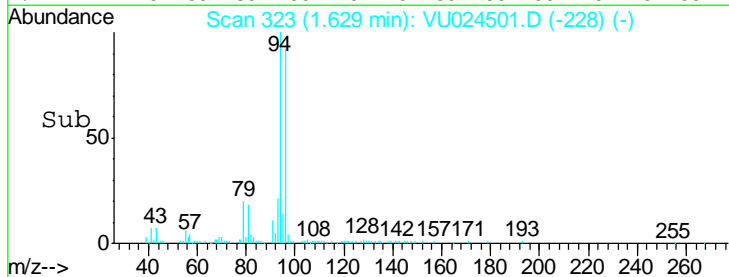
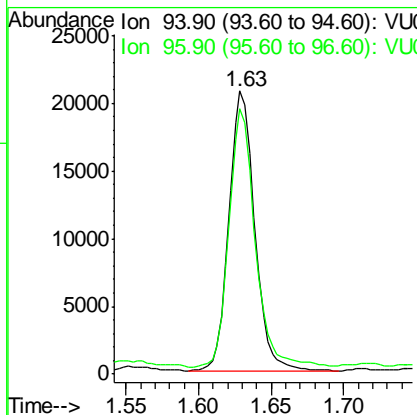
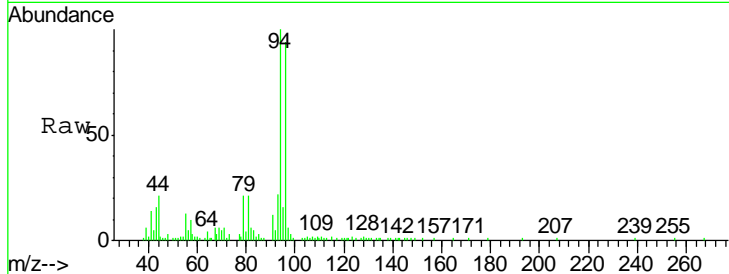
#5
 Bromomethane
 Concen: 11.885 ug/l
 RT: 1.63 min Scan# 323
 Delta R.T. 0.01 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
94	25539		
96	92.4	74.5	111.7

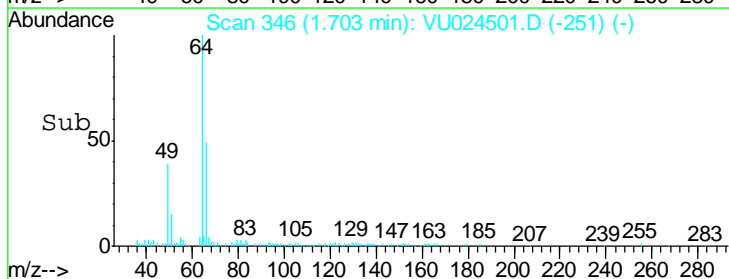
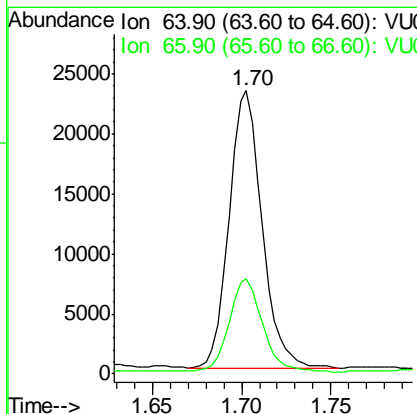
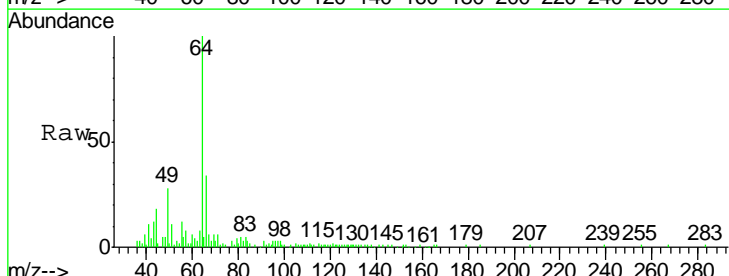
Manual Integrations
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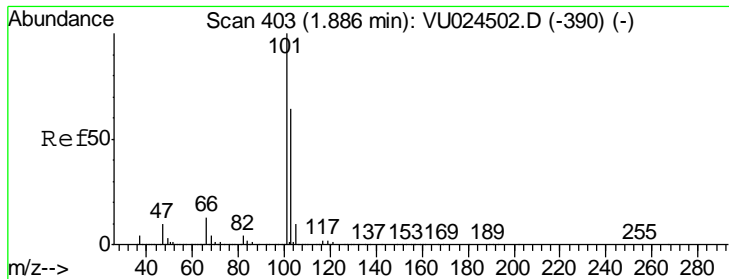
MMDadoda
 6/14/2018 9:44:27 AM



#6
 Chloroethane
 Concen: 11.226 ug/l
 RT: 1.70 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
64	29694		
66	33.5	25.5	38.3





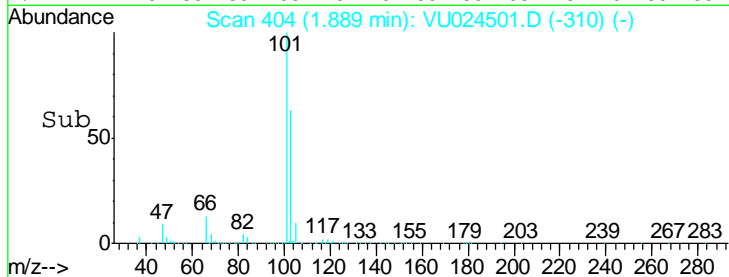
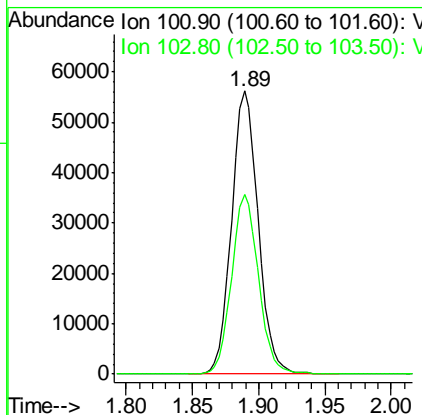
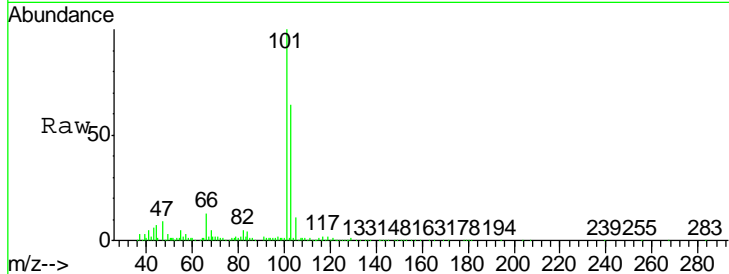
#7
 Trichlorofluoromethane
 Concen: 14.791 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
101	78541		
103	63.6	52.3	78.5

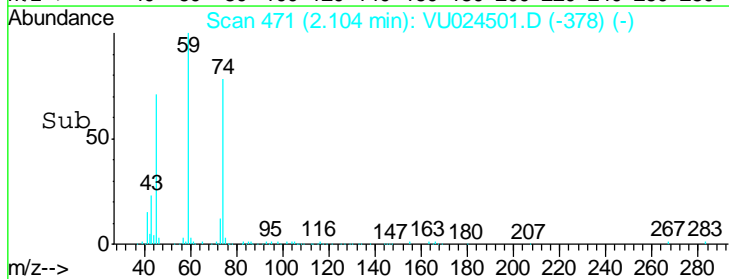
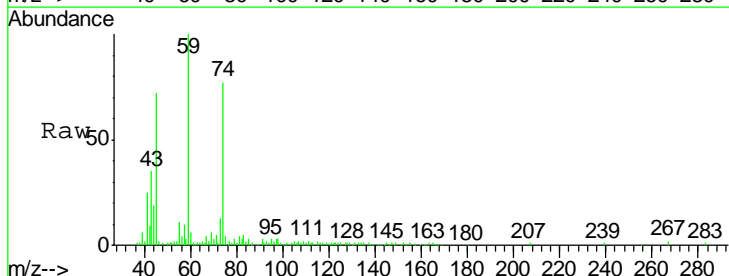
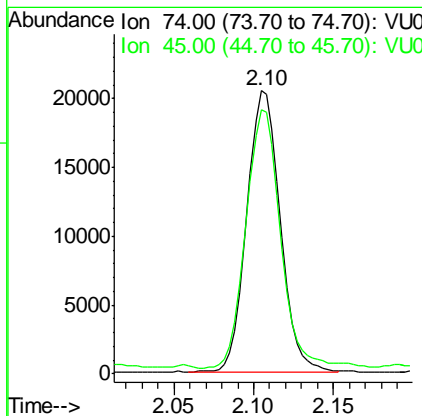
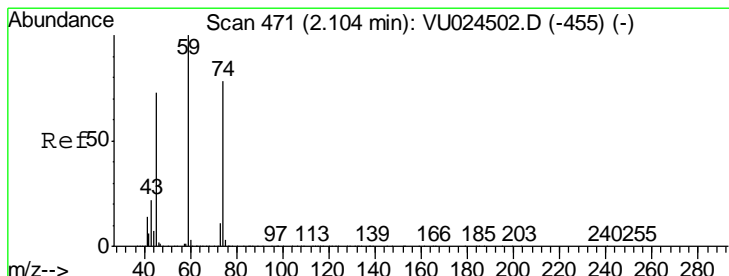
Manual Integrations
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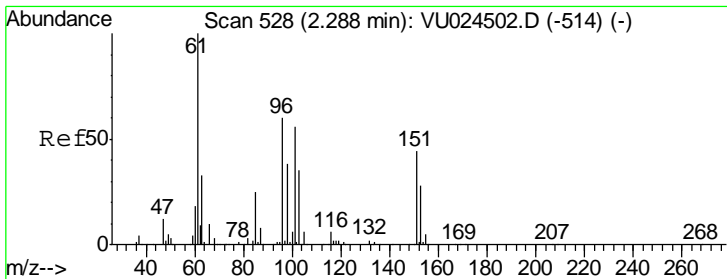
MMDadoda
 6/14/2018 9:44:27 AM



#8
 Diethyl Ether
 Concen: 13.726 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

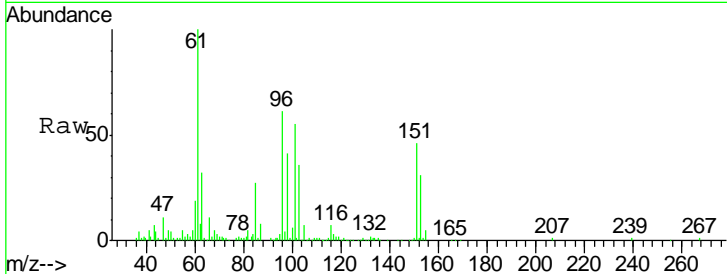
Tgt Ion	Resp	Lower	Upper
74	29140		
45	94.6	55.0	165.0





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 15.942 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

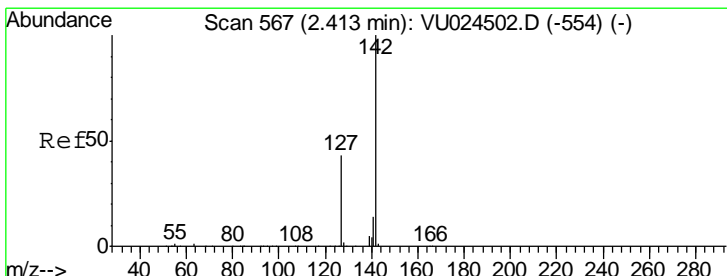
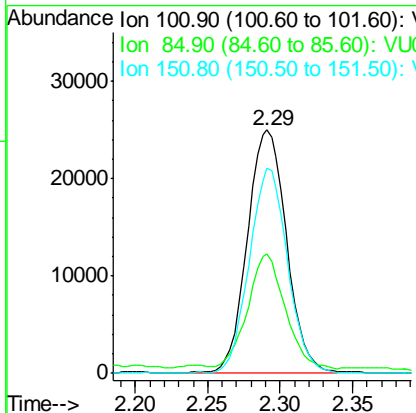
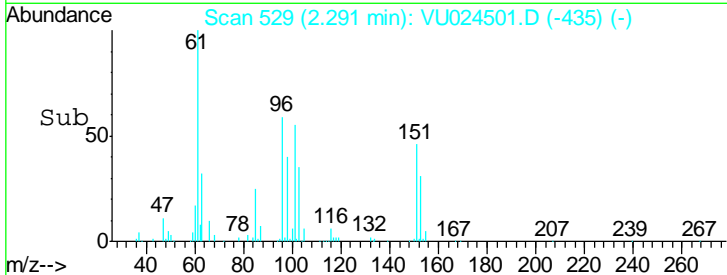


Tgt Ion: 101 Resp: 47123

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.0	54.0
151	82.4	62.3	93.5

Manual Integrations
 APPROVED

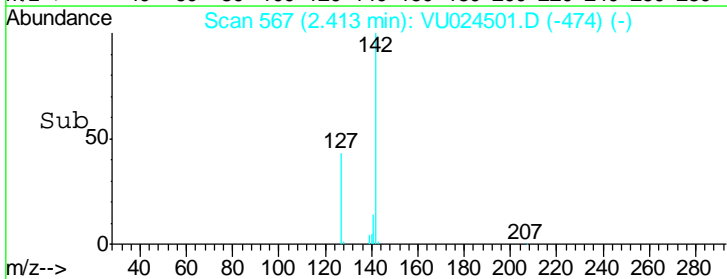
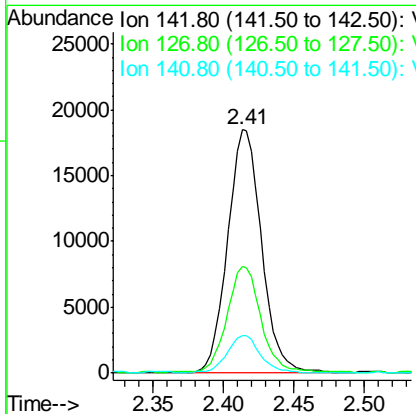
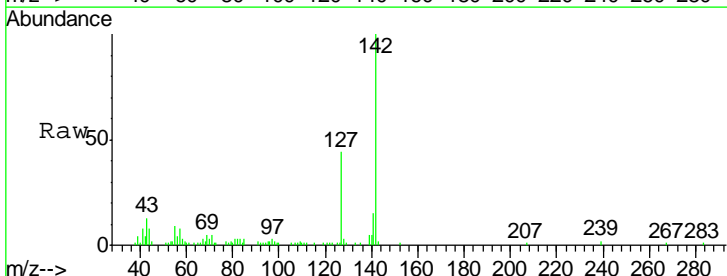
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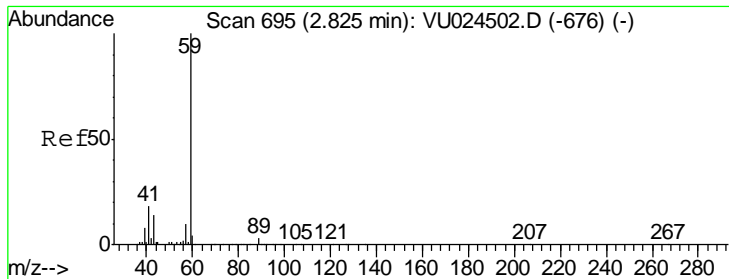


#10
 Methyl Iodide
 Concen: 16.595 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion: 142 Resp: 31101

Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.6	53.4
141	15.3	11.7	17.5





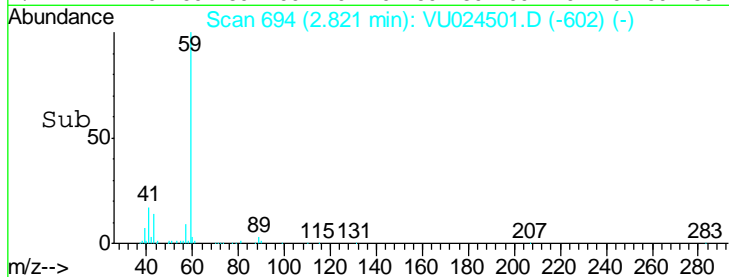
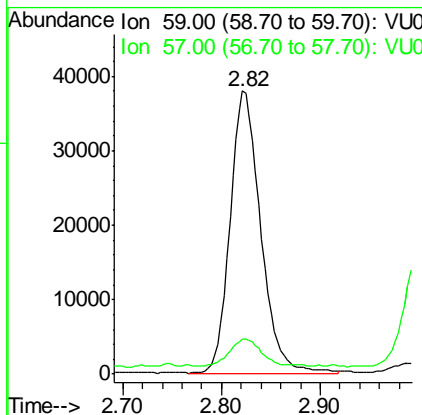
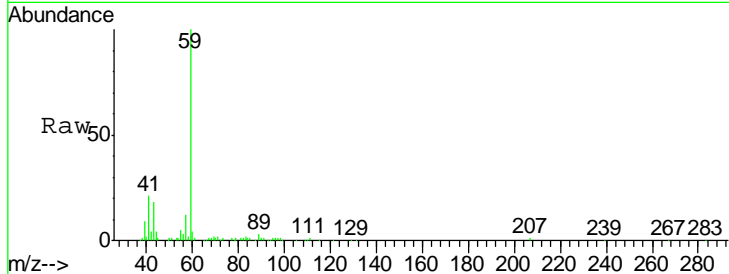
#11
 Tert butyl alcohol
 Concen: 109.204 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
59	100		
57	9.4	8.5	12.7

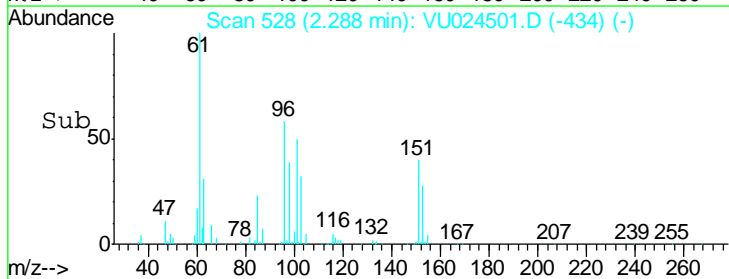
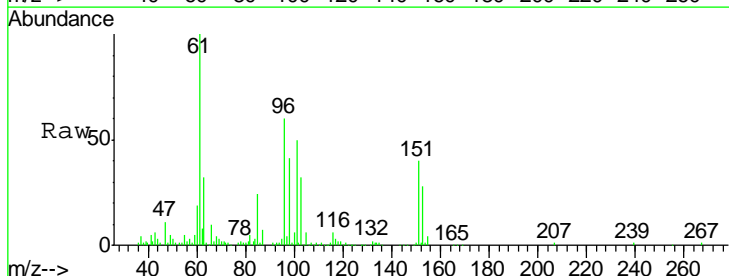
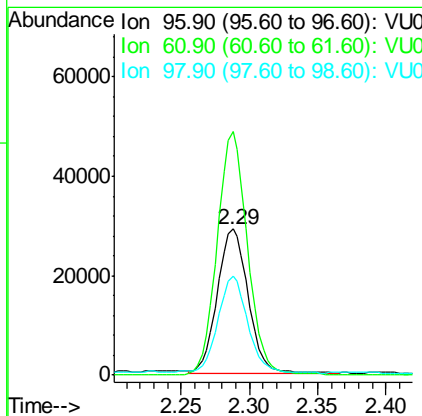
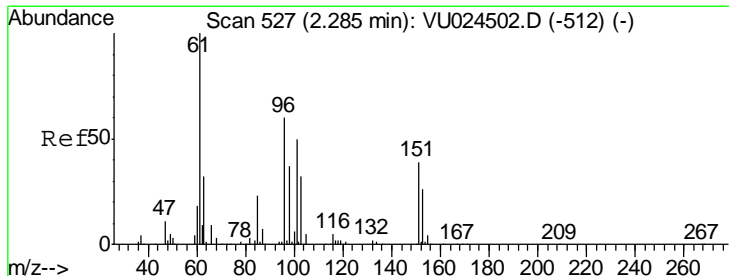
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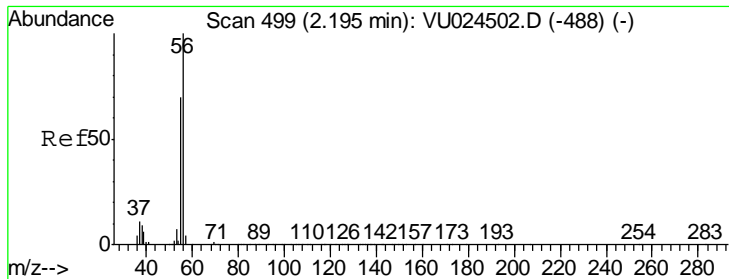
MMDadoda
 6/14/2018 9:44:27 AM



#12
 1,1-Dichloroethene
 Concen: 16.307 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
96	100		
61	168.9	141.7	212.5
98	67.4	51.6	77.4





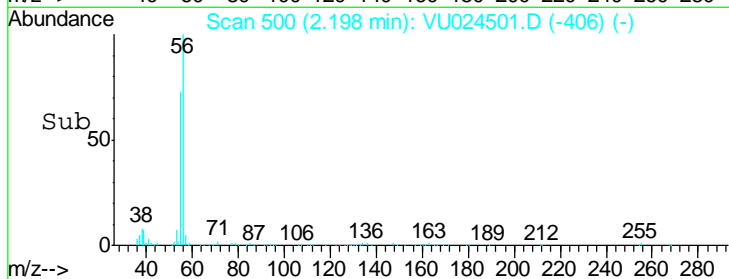
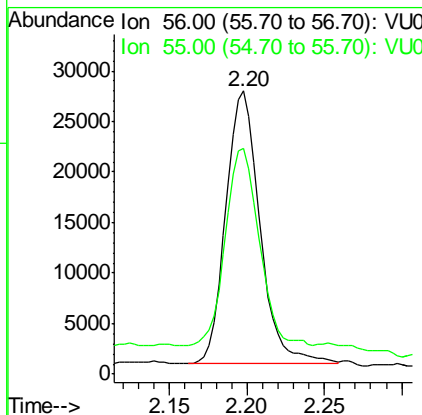
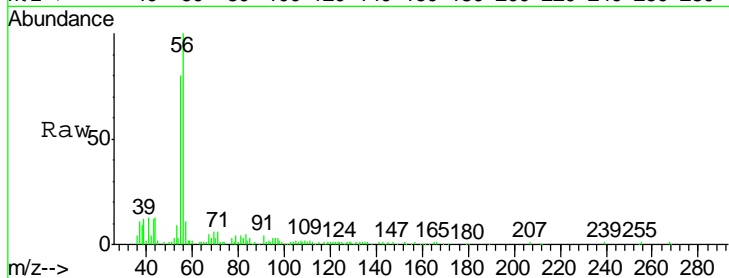
#13
 Acrolein
 Concen: 52.822 ug/l
 RT: 2.20 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	41132		
55	71.2	58.4	87.6

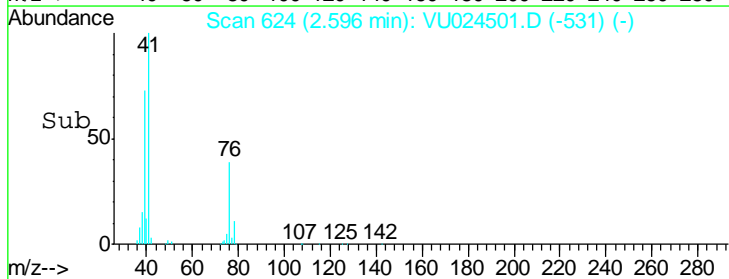
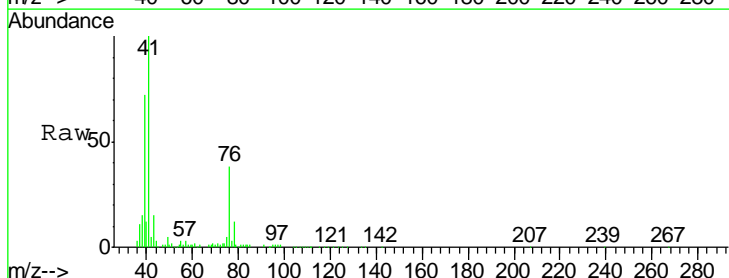
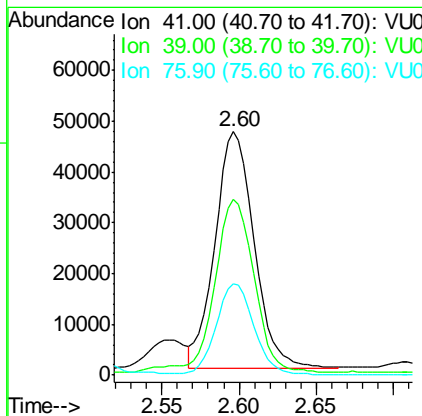
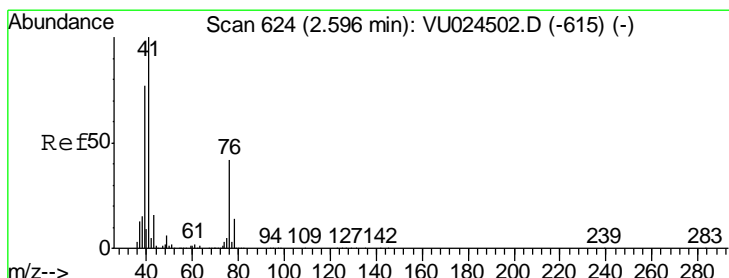
Manual Integrations
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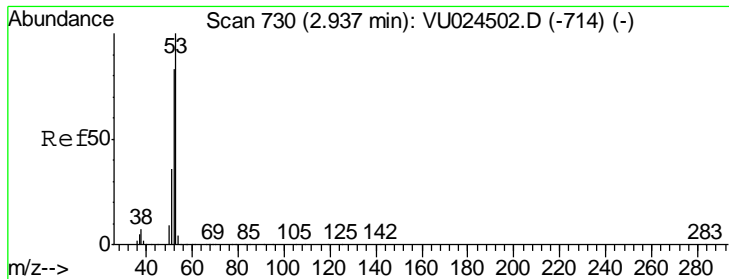
MMDadoda
 6/14/2018 9:44:27 AM



#14
 Allyl chloride
 Concen: 17.430 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
41	81886		
39	73.5	61.6	92.4
76	37.8	29.7	44.5





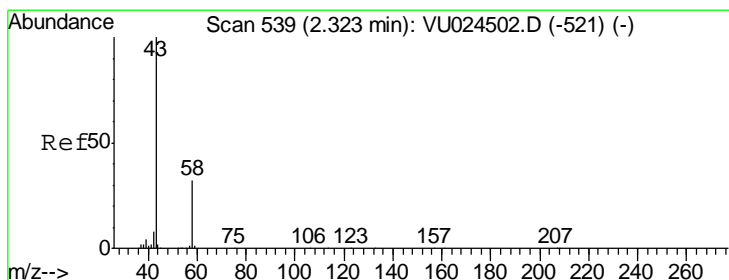
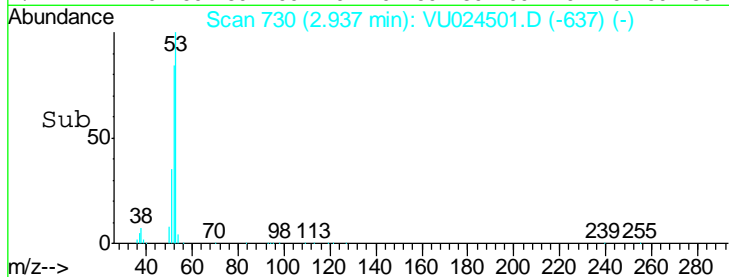
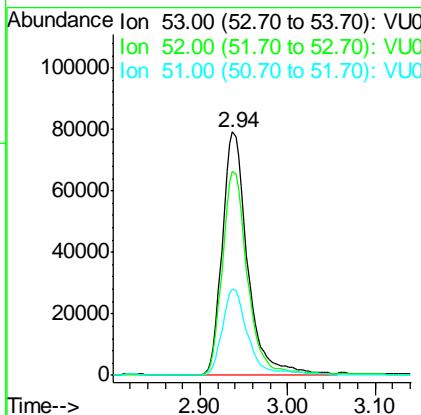
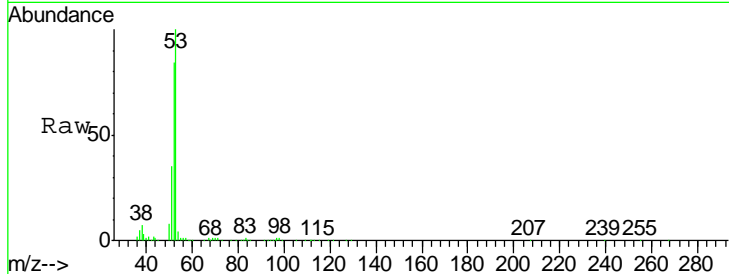
#15
 Acrylonitrile
 Concen: 79.388 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.1	67.1	100.7
51	35.8	28.4	42.6

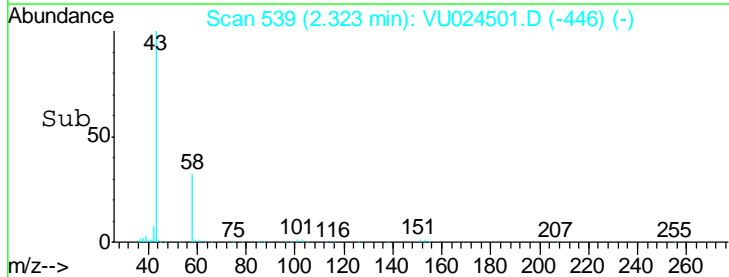
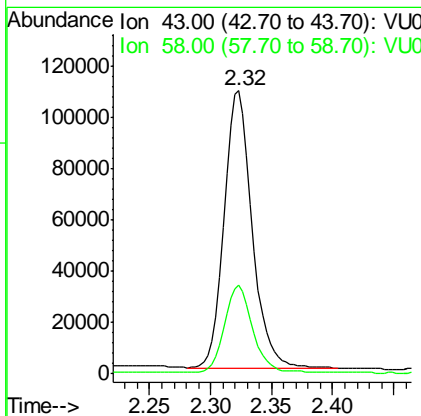
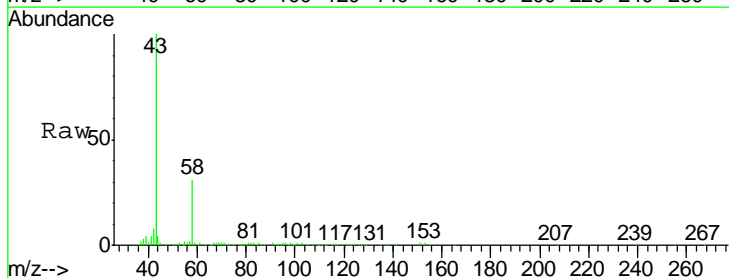
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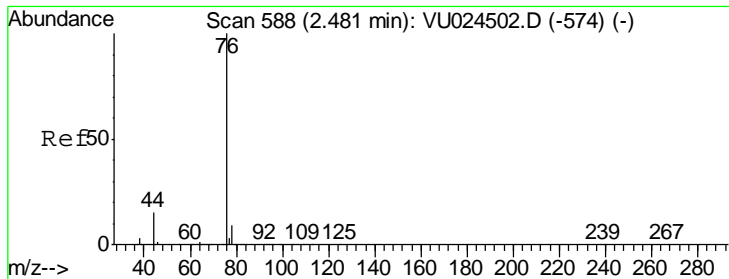
MMDadoda
 6/14/2018 9:44:27 AM



#16
 Acetone
 Concen: 69.087 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.5	24.4	36.6





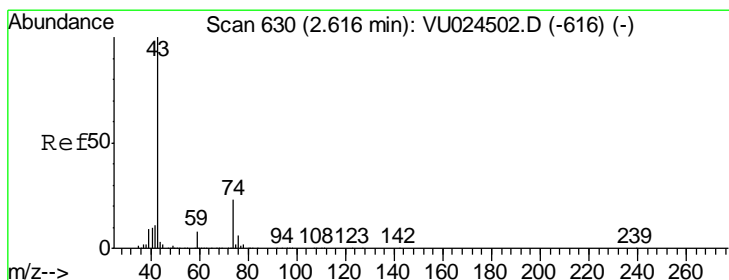
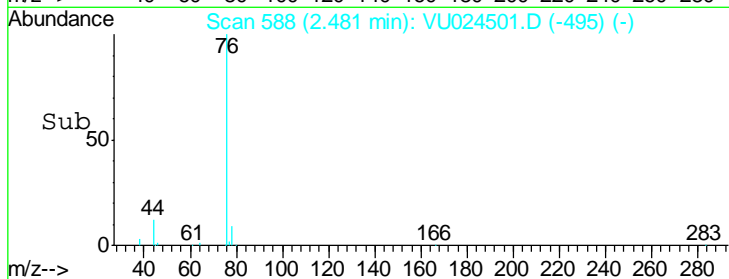
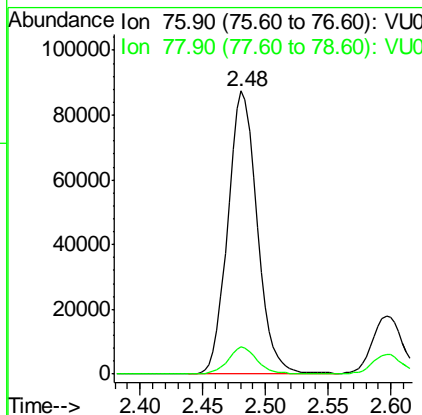
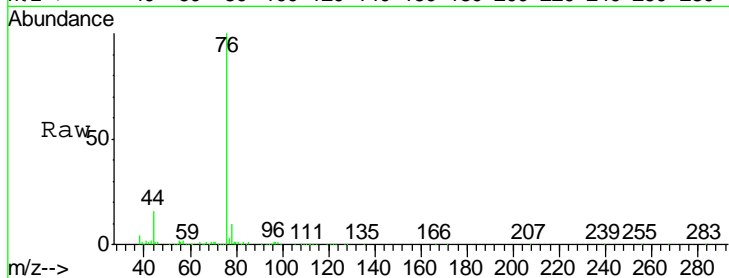
#17
 Carbon Disulfide
 Concen: 16.703 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	142299		
76	100		
78	9.4	7.1	10.7

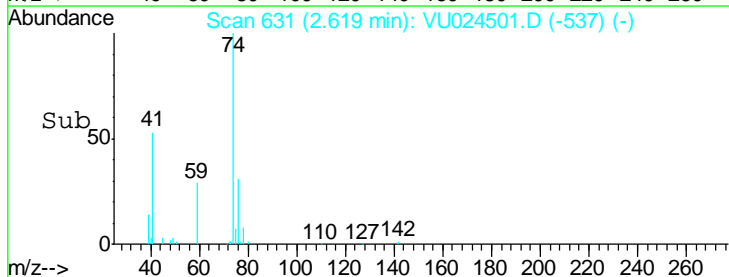
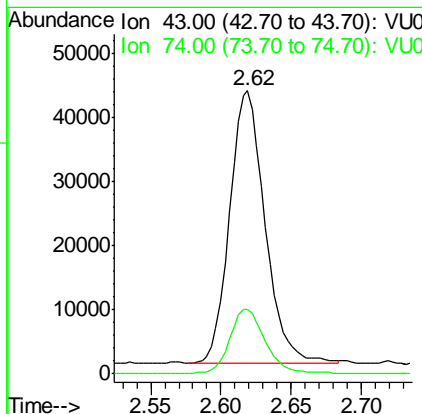
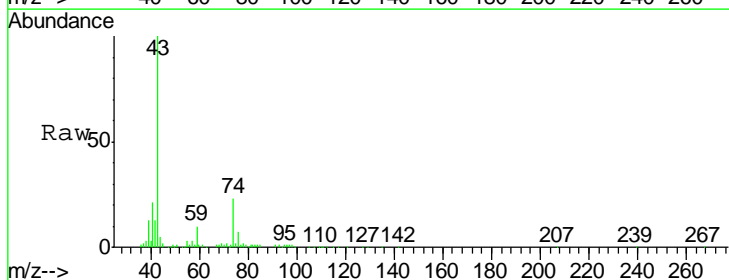
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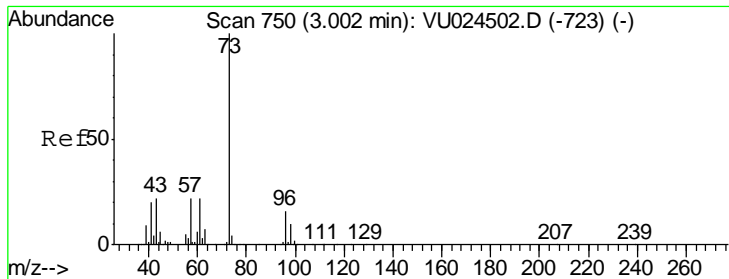
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#18
 Methyl Acetate
 Concen: 14.931 ug/l
 RT: 2.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
43	74594		
43	100		
74	24.3	18.0	27.0





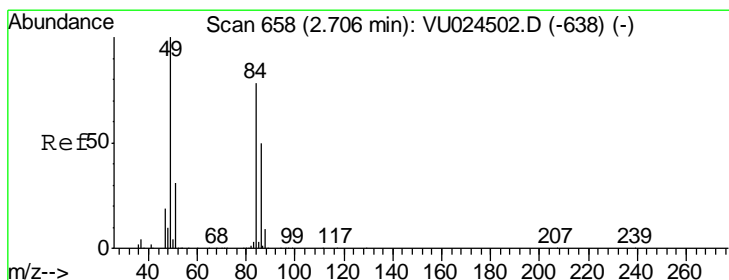
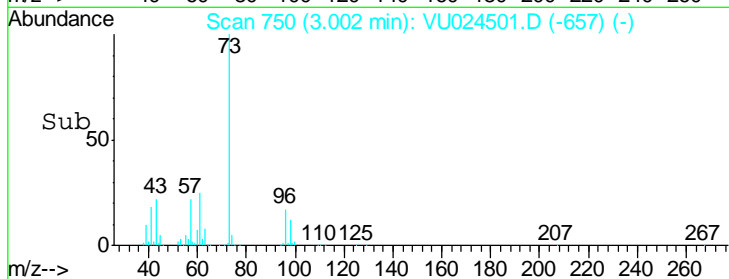
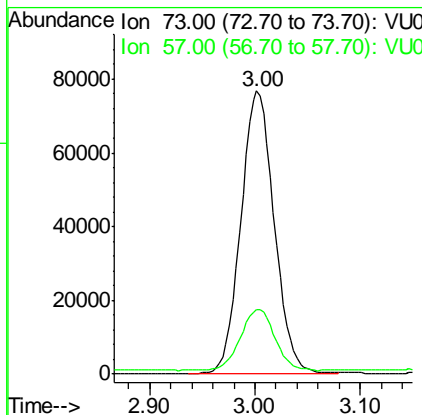
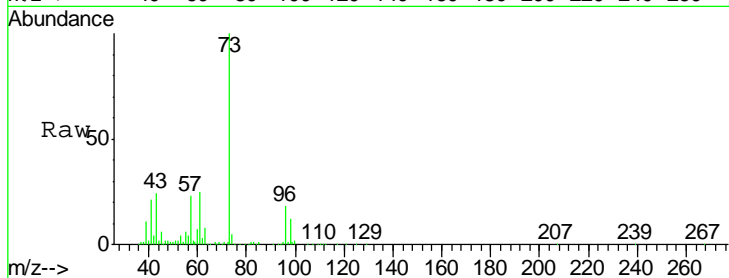
#19
 Methyl tert-butyl Ether
 Concen: 19.313 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
73	168057		
57	21.5	18.8	28.2

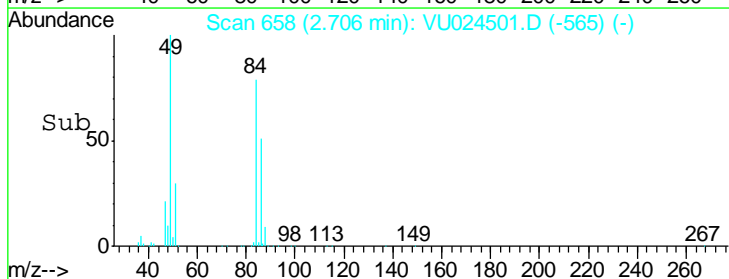
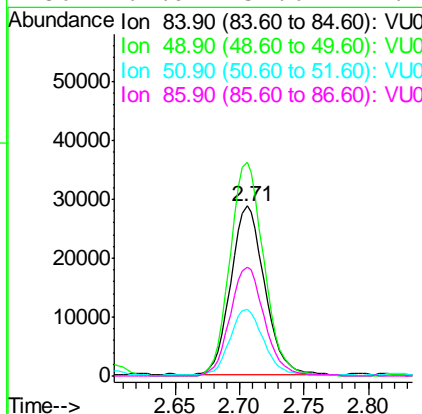
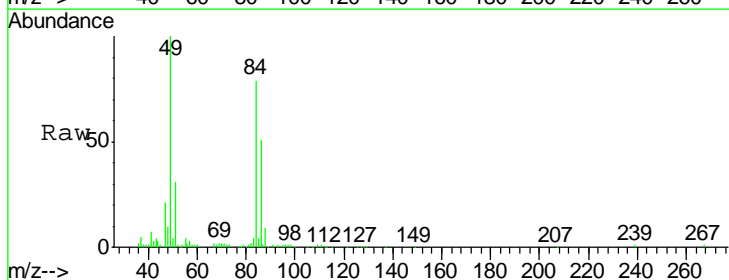
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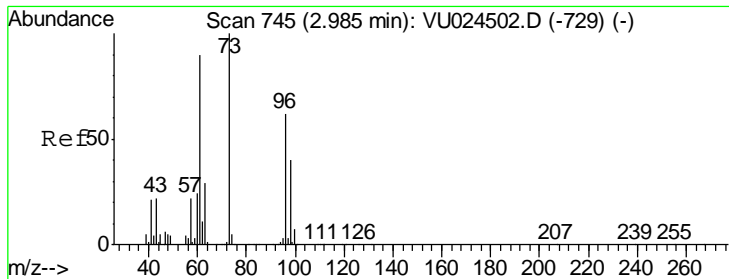
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 6/14/2018 9:44:27 AM



#20
 Methylene Chloride
 Concen: 15.075 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

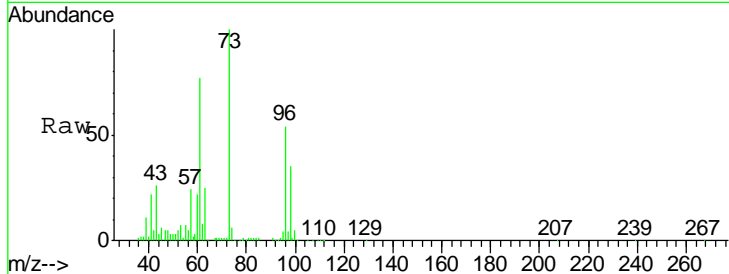
Tgt Ion	Resp	Lower	Upper
84	52077		
49	126.9	103.8	155.8
51	38.8	32.0	48.0
86	64.9	51.6	77.4





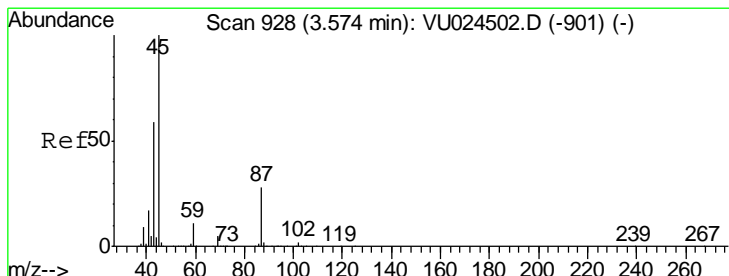
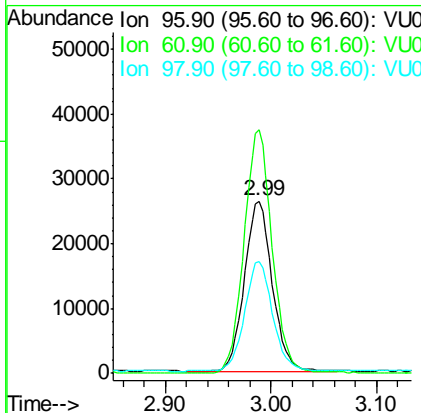
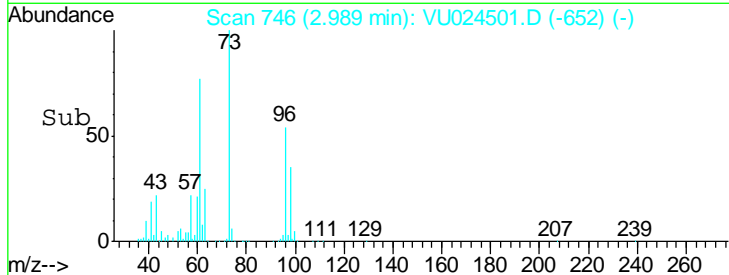
#21
 trans-1,2-Dichloroethene
 Concen: 16.584 ug/l
 RT: 2.99 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

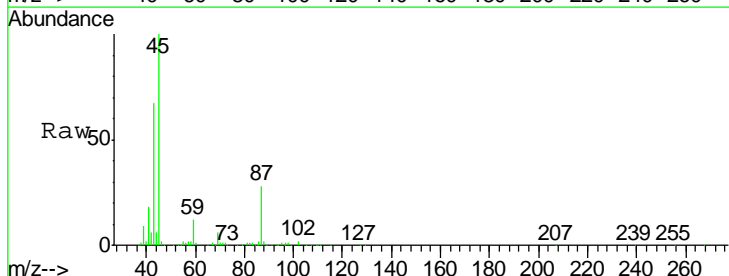


Tgt Ion	Resp	Lower	Upper
96	49275		
96	100		
61	142.6	119.4	179.0
98	64.2	51.1	76.7

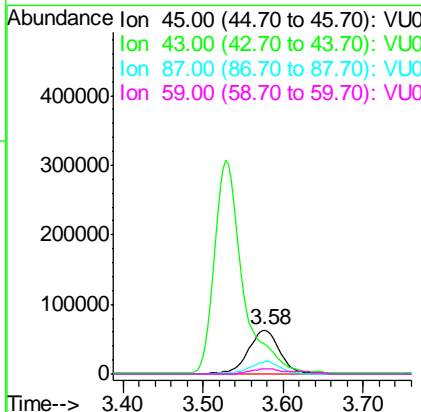
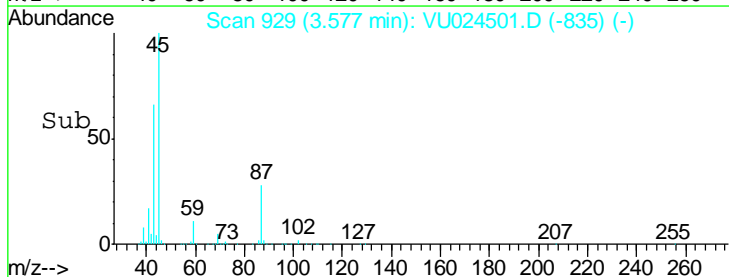
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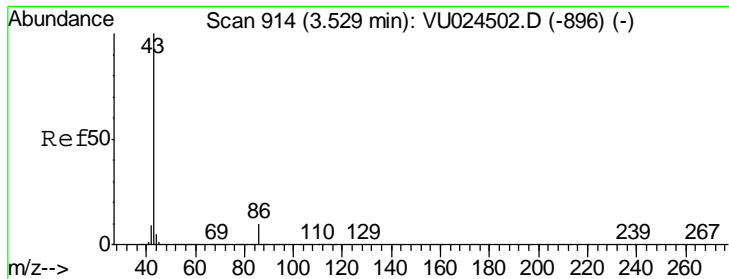


#22
 Diisopropyl ether
 Concen: 17.723 ug/l
 RT: 3.58 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



Tgt Ion	Resp	Lower	Upper
45	167772		
45	100		
43	64.7	45.8	68.6
87	28.3	20.6	31.0
59	11.4	9.4	14.0





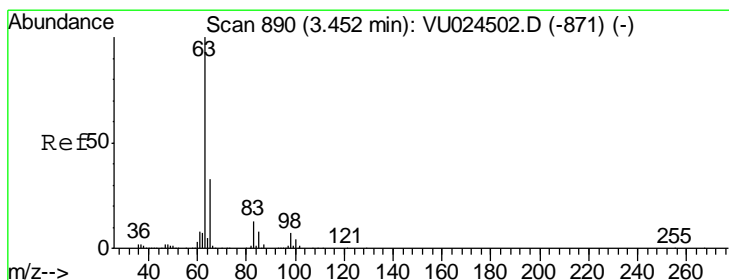
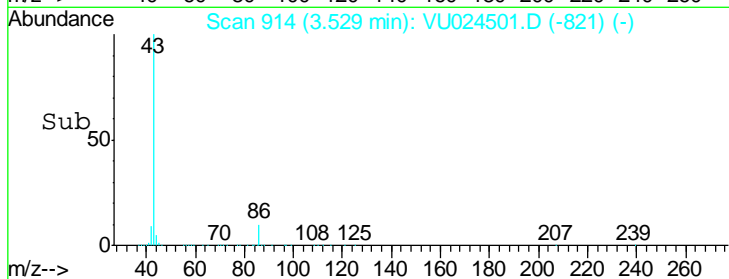
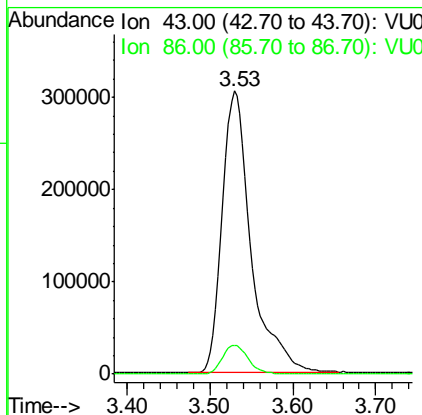
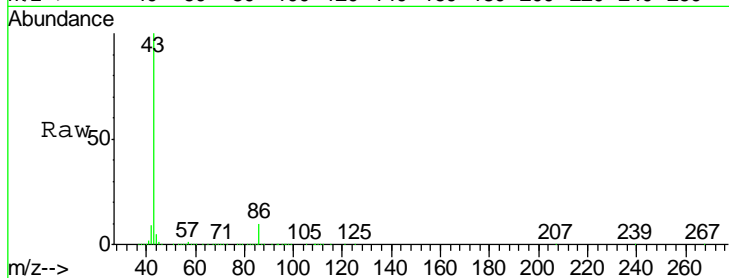
#23
 Vinyl Acetate
 Concen: 107.064 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.3	7.8	11.8

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

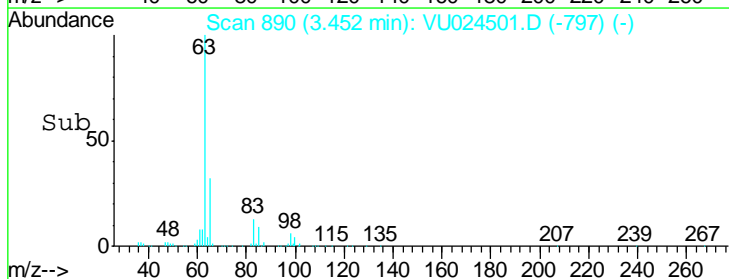
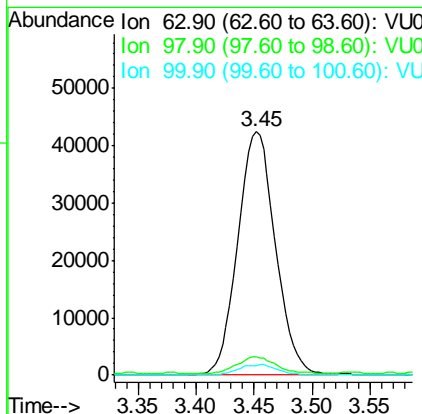
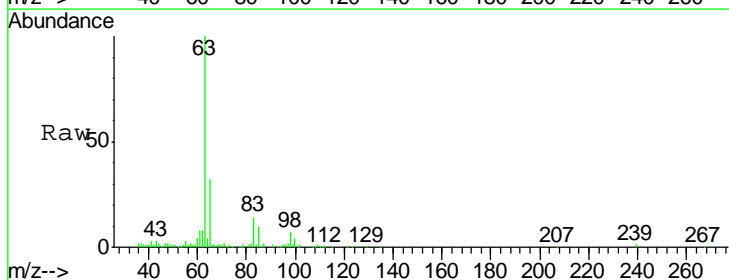
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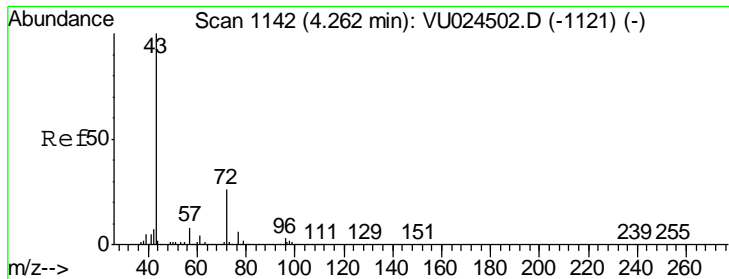
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 16.224 ug/l
 RT: 3.45 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.6	3.5	10.4
100	4.1	1.8	5.5





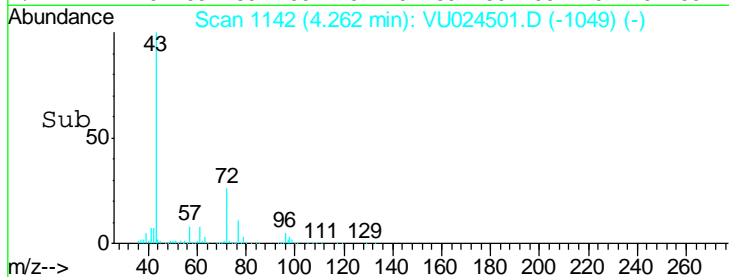
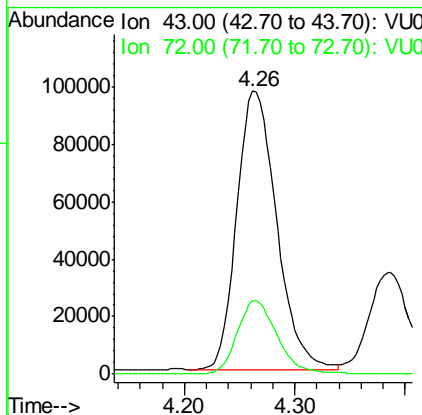
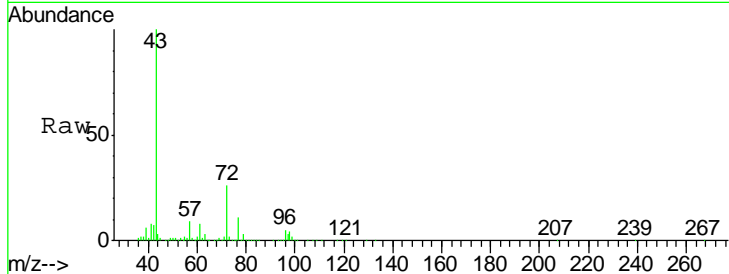
#25
 2-Butanone
 Concen: 80.943 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.2	19.6	29.4

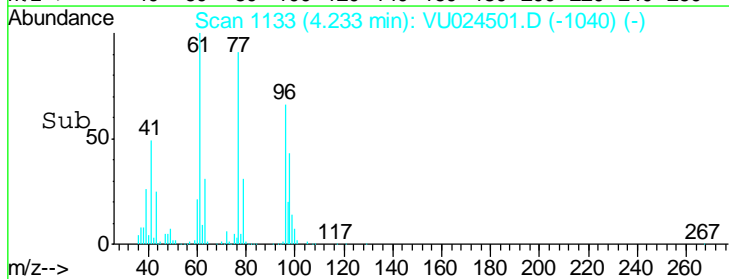
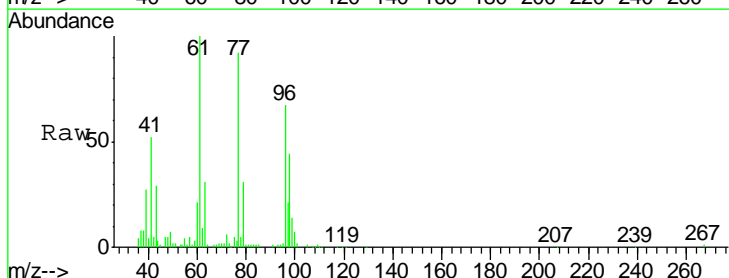
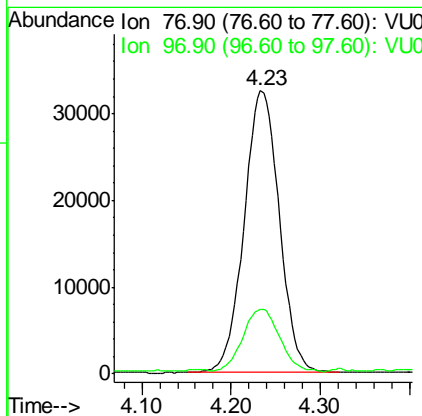
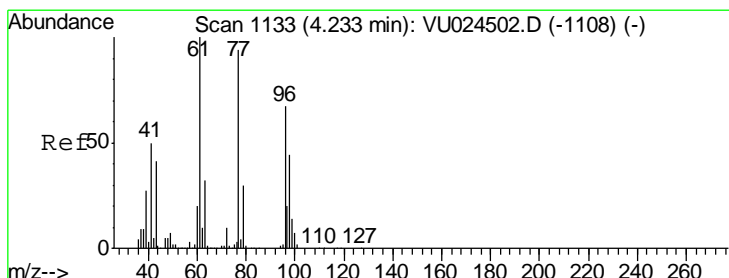
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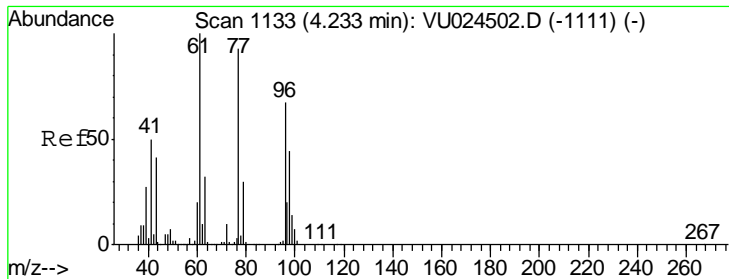
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 19.725 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.1	11.3	33.8





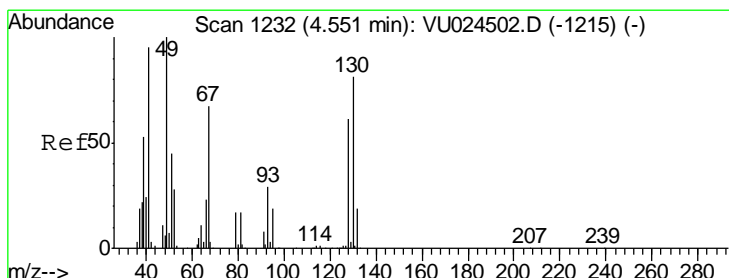
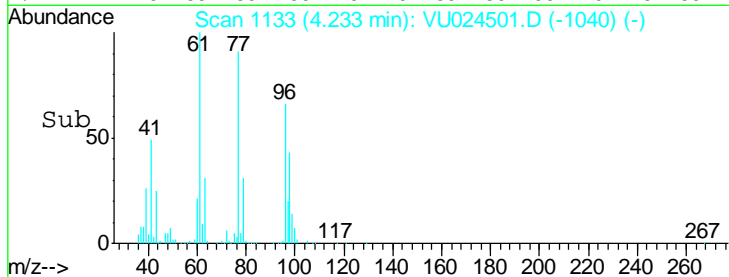
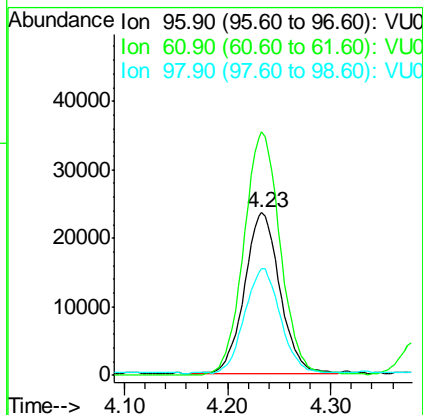
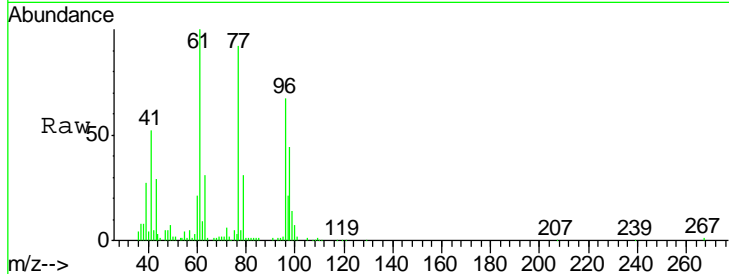
#27
 cis-1,2-Dichloroethene
 Concen: 17.338 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	55976		
61	156.5	0.0	306.6
98	65.1	0.0	128.8

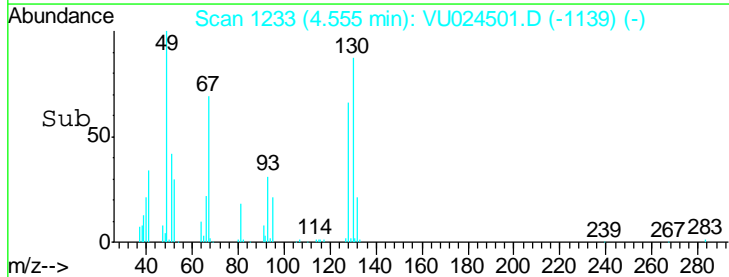
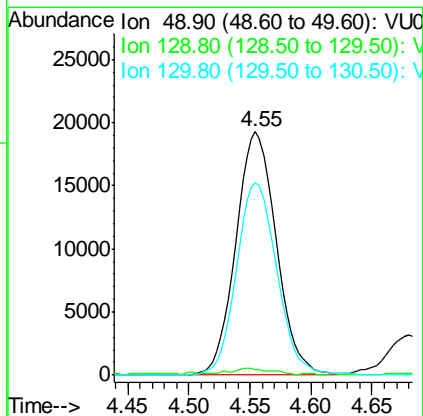
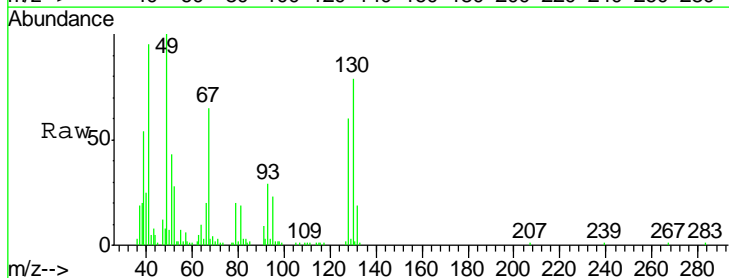
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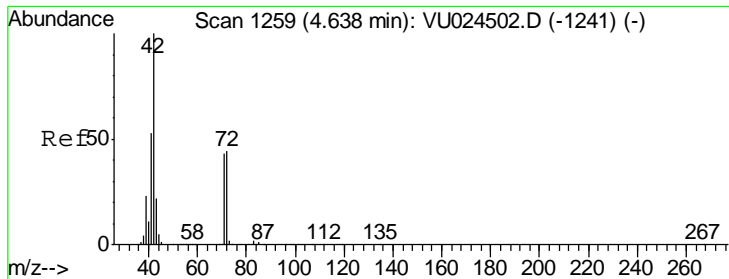
MMDadoda
 6/14/2018 9:44:27 AM



#28
 Bromochloromethane
 Concen: 20.402 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
49	44282		
129	2.9	0.0	3.8
130	78.8	57.8	86.6





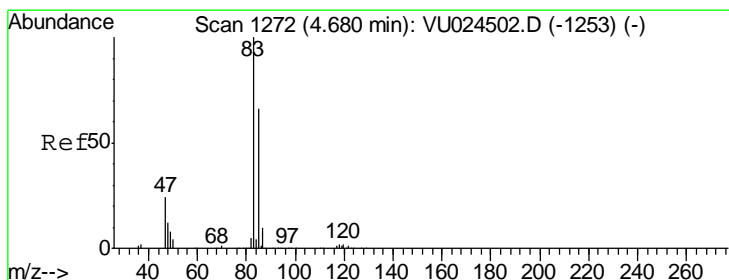
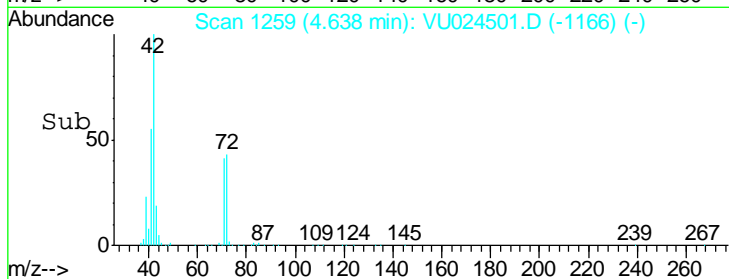
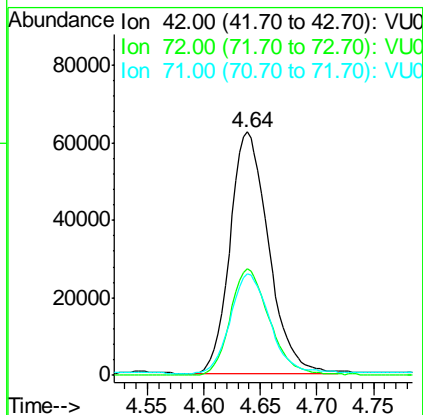
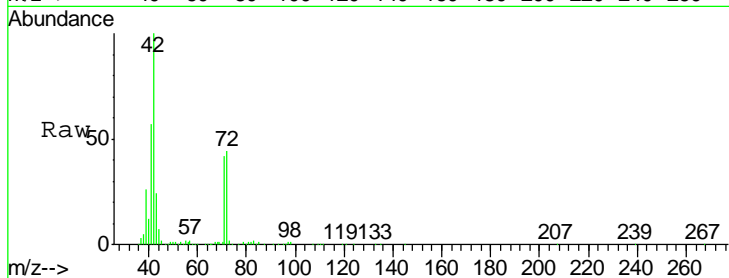
#29
 Tetrahydrofuran
 Concen: 86.355 ug/l
 RT: 4.64 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
42	148142		
72	44.9	34.5	51.7
71	41.9	32.2	48.4

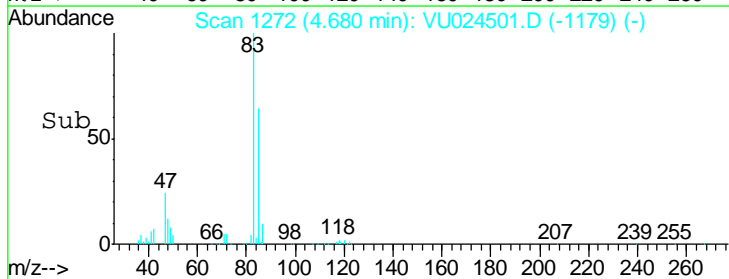
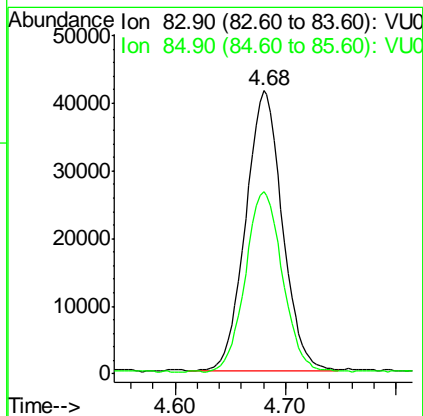
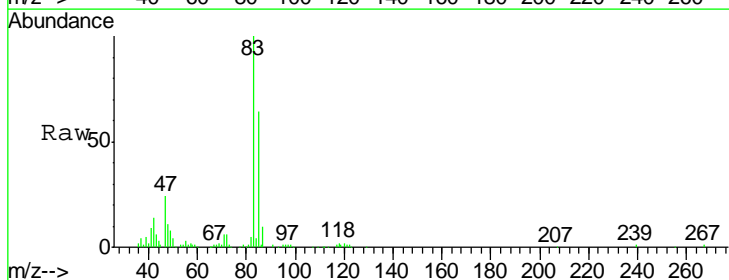
Manual Integrations
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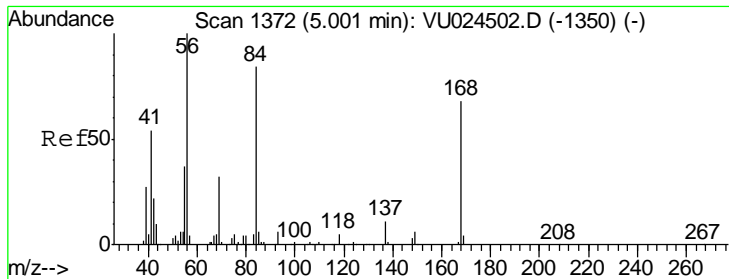
MMDadoda
 6/14/2018 9:44:27 AM



#30
 Chloroform
 Concen: 15.856 ug/l
 RT: 4.68 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
83	95215		
85	63.9	52.4	78.6





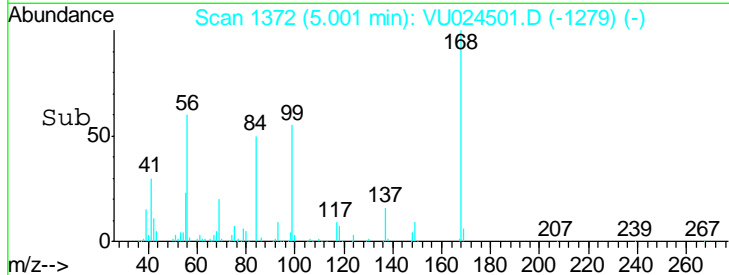
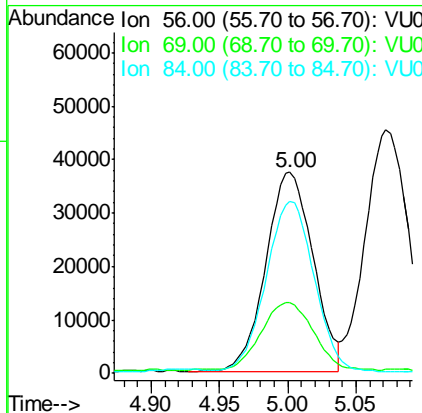
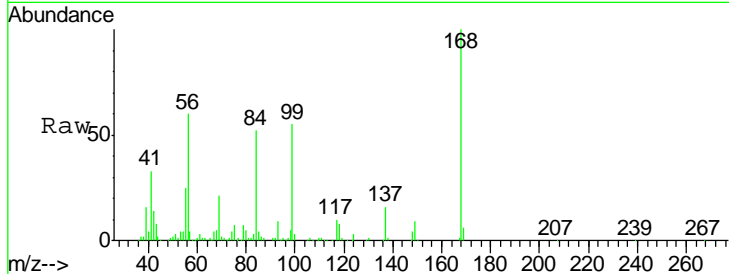
#31
 Cyclohexane
 Concen: 15.384 ug/l
 RT: 5.00 min Scan# 1372
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	100		
69	33.6	24.8	37.2
84	83.8	65.2	97.8

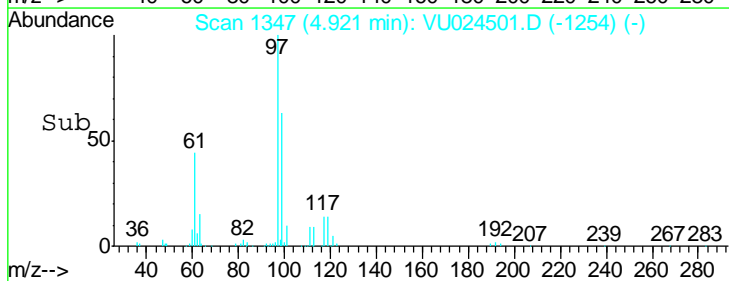
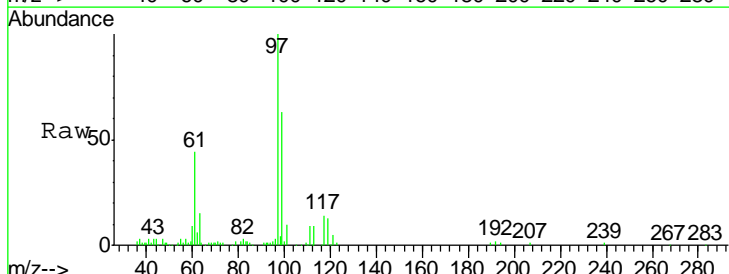
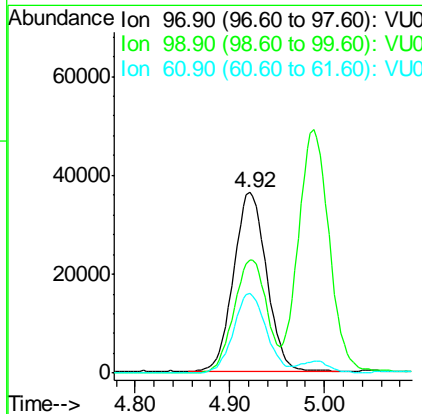
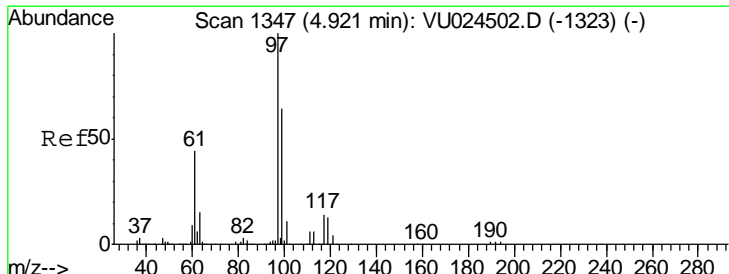
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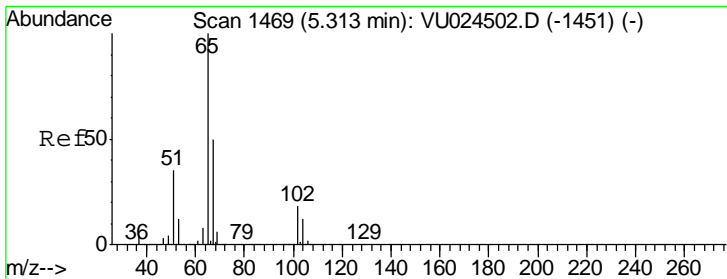
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#32
 1,1,1-Trichloroethane
 Concen: 18.259 ug/l
 RT: 4.92 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	43.9	39.4	59.0





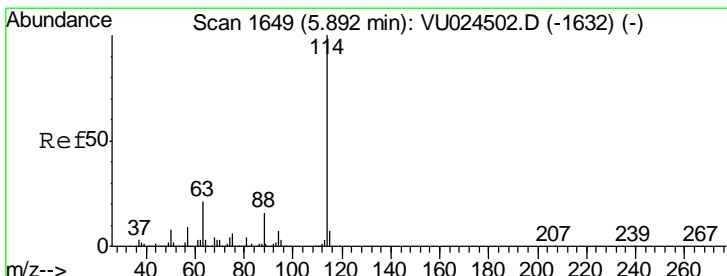
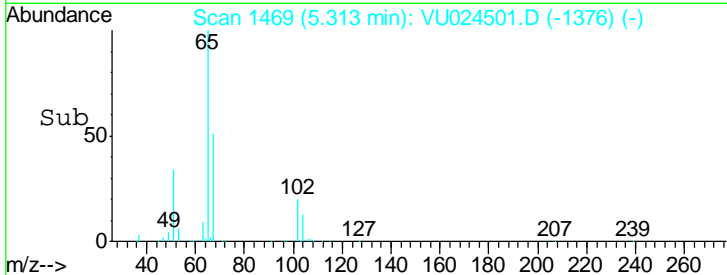
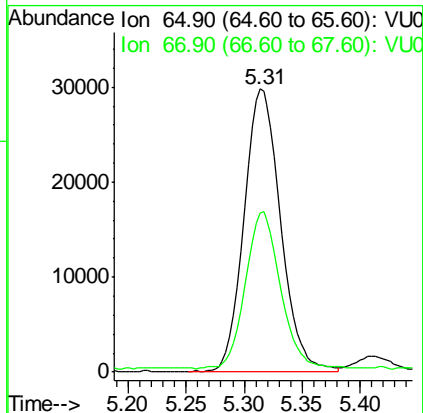
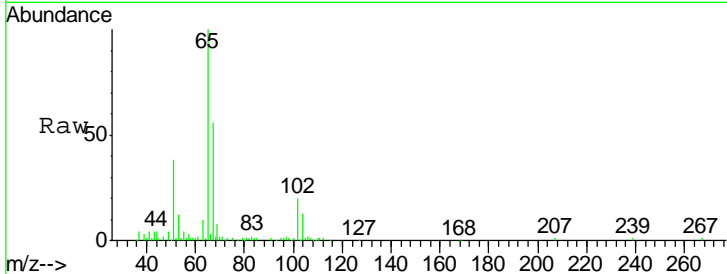
#33
 1,2-Dichloroethane-d4
 Concen: 16.683 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
65	100		
67	52.7	0.0	107.0

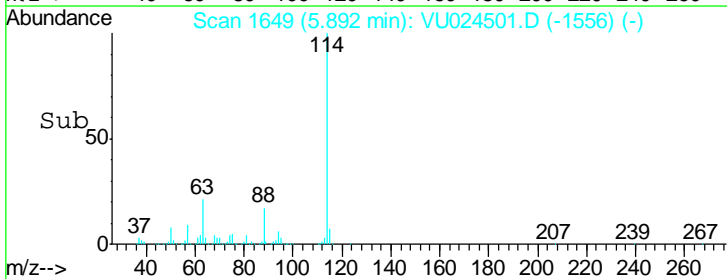
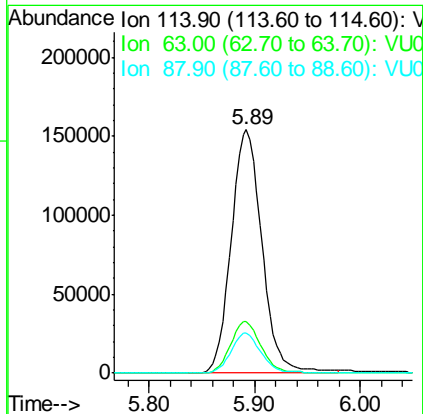
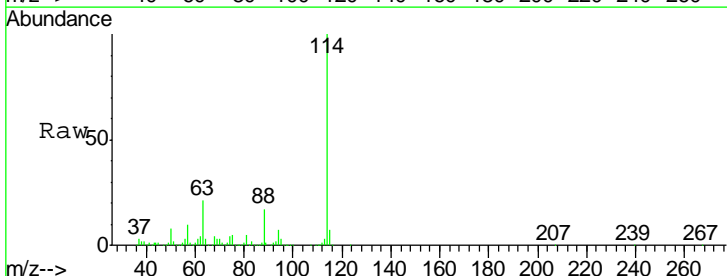
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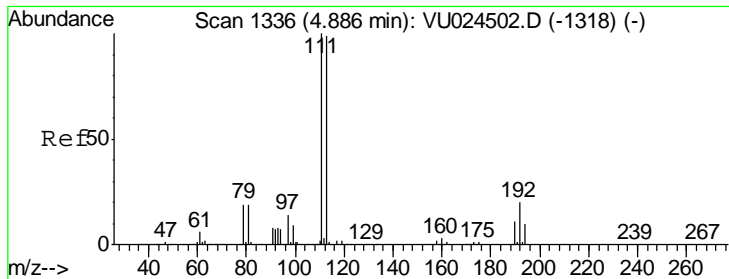
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

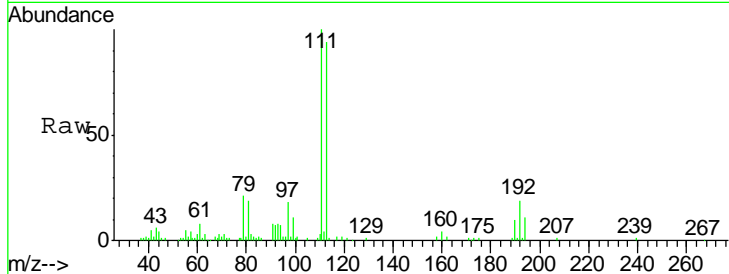
Tgt Ion	Resp	Lower	Upper
114	100		
63	21.1	0.0	45.4
88	16.5	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 16.213 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

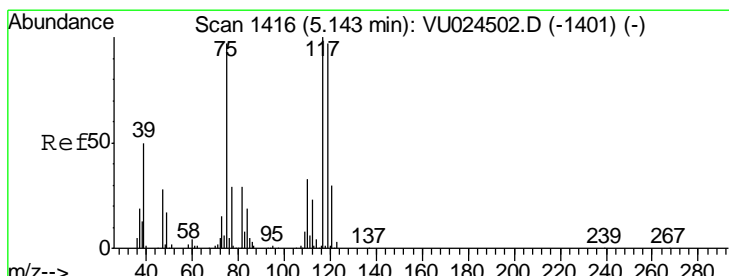
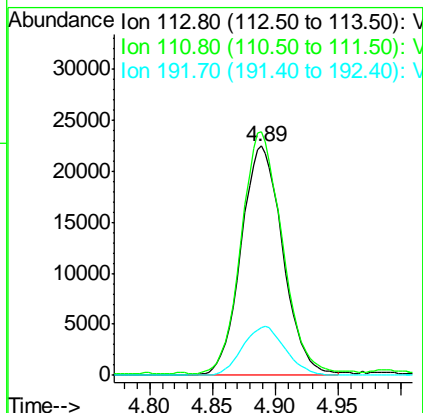
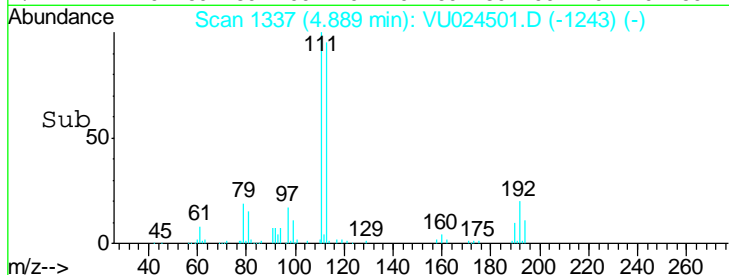


Tgt Ion: 113 Resp: 51947

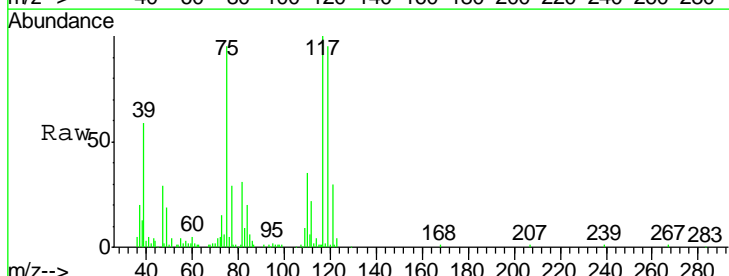
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	21.6	16.2	24.4

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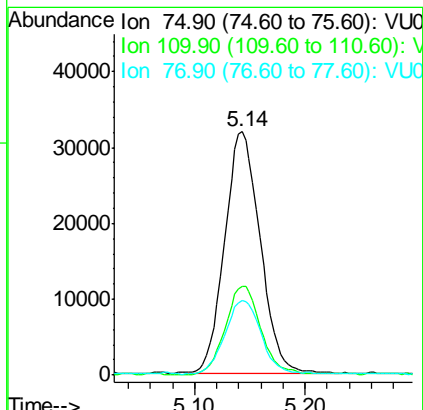
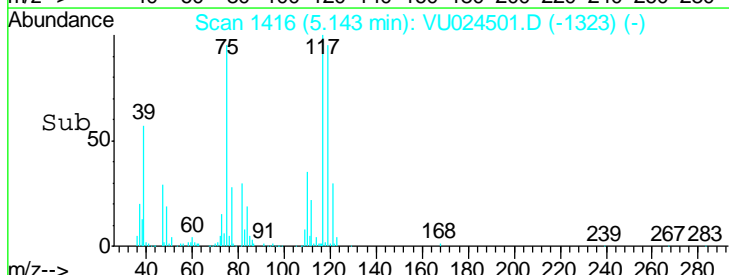


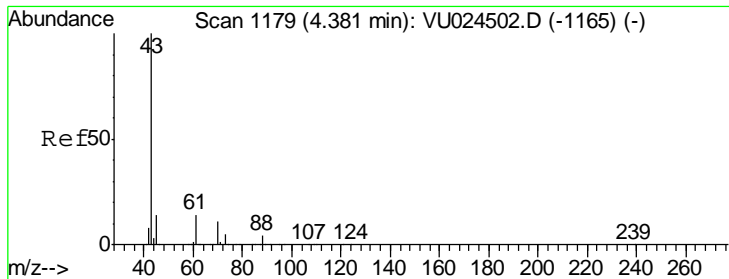
#36
 1,1-Dichloropropene
 Concen: 15.944 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



Tgt Ion: 75 Resp: 70987

Ion	Ratio	Lower	Upper
75	100		
110	37.1	17.0	50.9
77	31.0	24.2	36.4





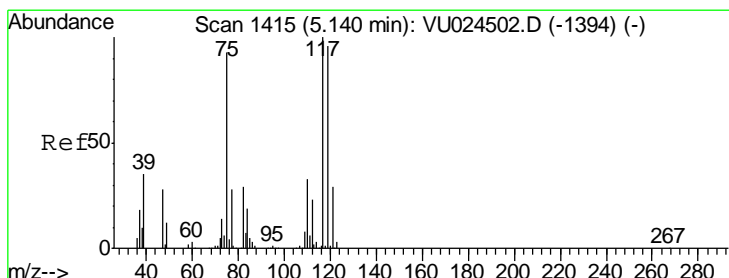
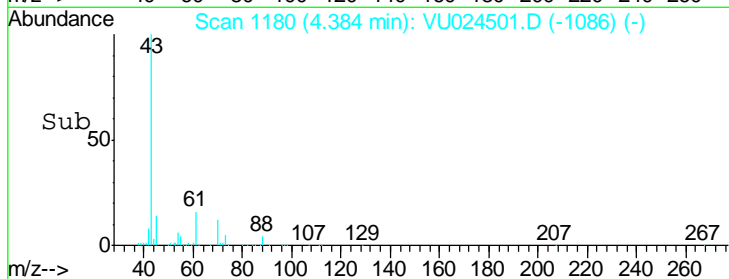
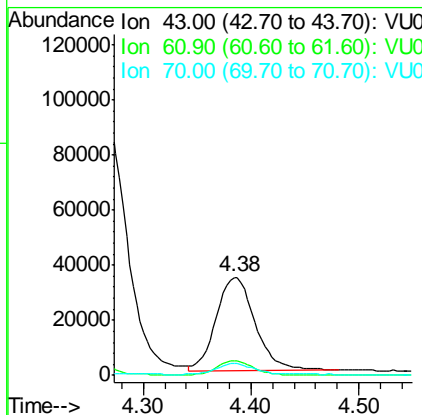
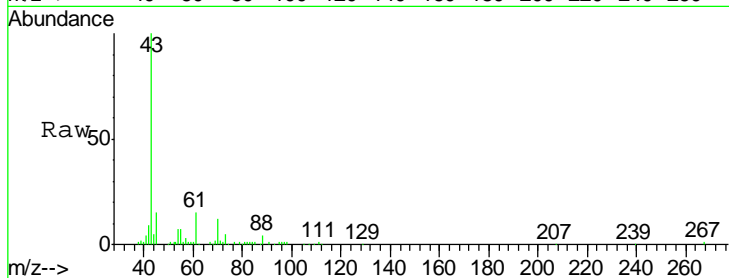
#37
Ethyl Acetate
Concen: 17.082 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	11.2	7.4	11.2#

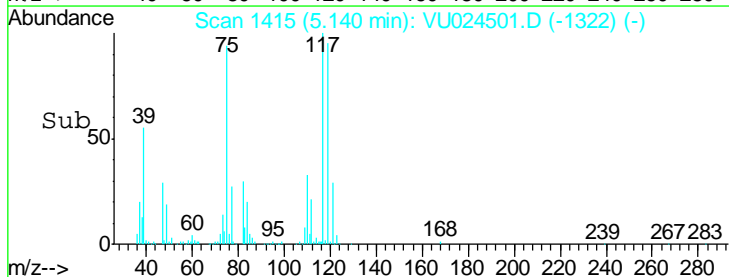
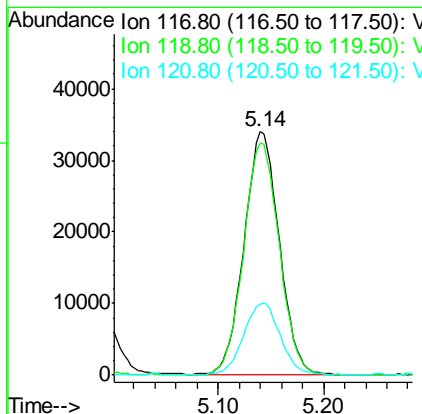
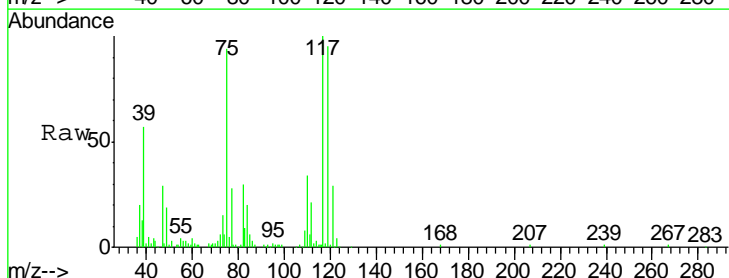
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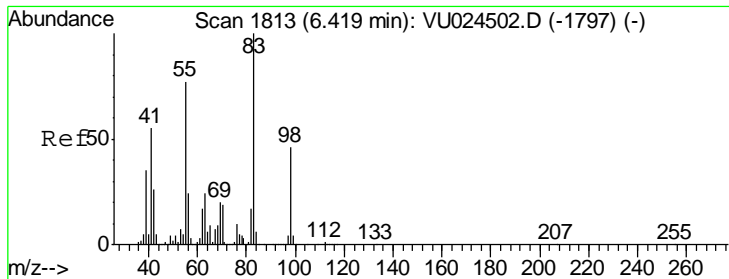
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.702 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024501.D
Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.1	76.1	114.1
121	29.2	23.7	35.5





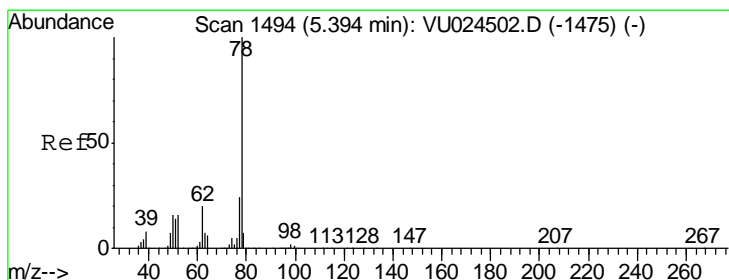
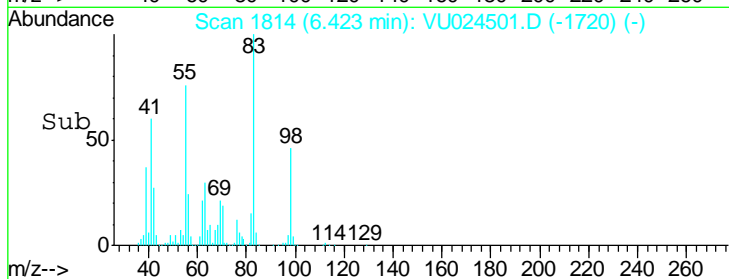
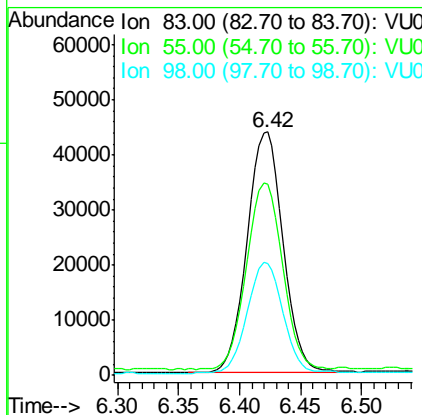
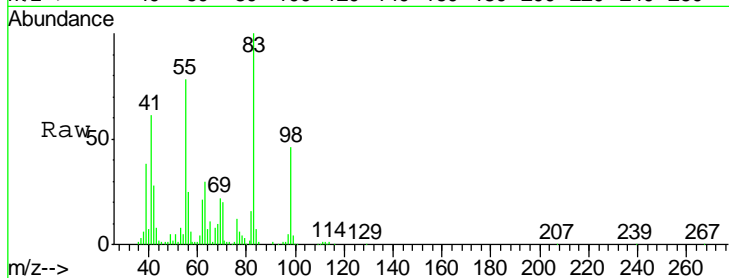
#39
 Methylcyclohexane
 Concen: 18.496 ug/l
 RT: 6.42 min Scan# 1814
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampleId : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	88970		
83	100		
55	76.7	65.8	98.6
98	45.6	36.7	55.1

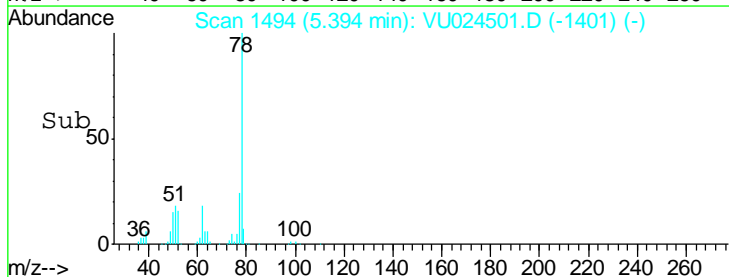
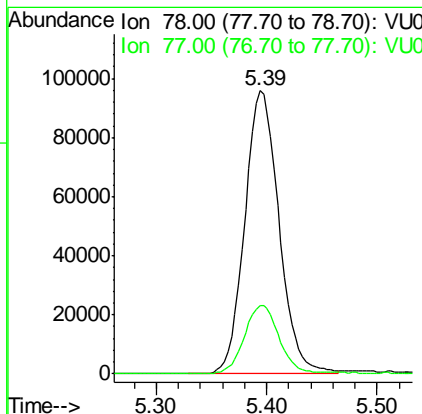
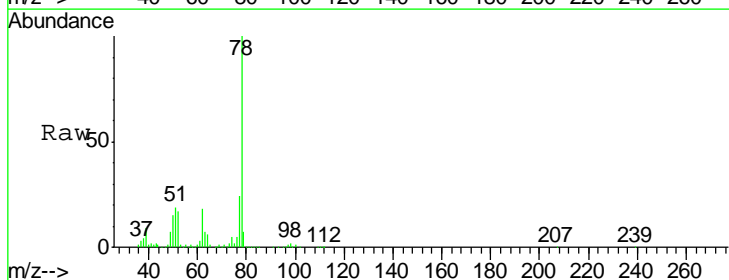
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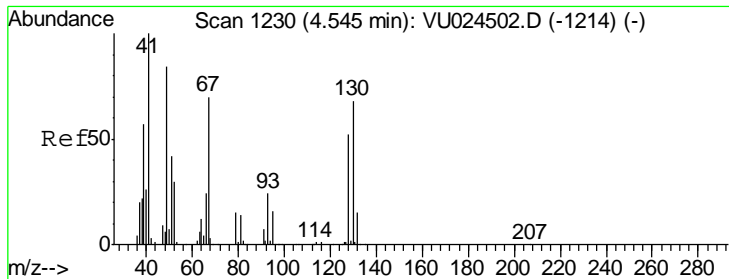
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#40
 Benzene
 Concen: 15.413 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

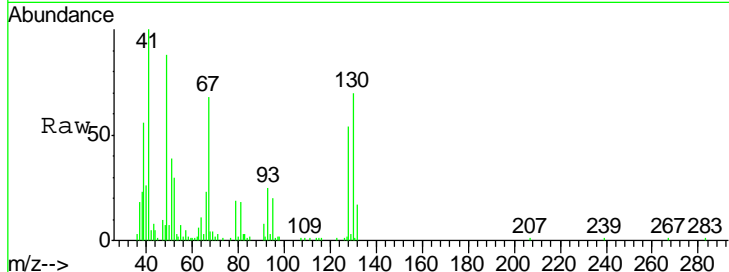
Tgt Ion	Resp	Lower	Upper
78	206838		
78	100		
77	23.8	19.2	28.8





#41
 Methacrylonitrile
 Concen: 16.542 ug/l
 RT: 4.55 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

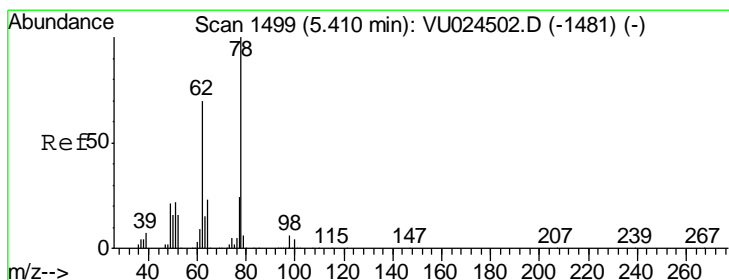
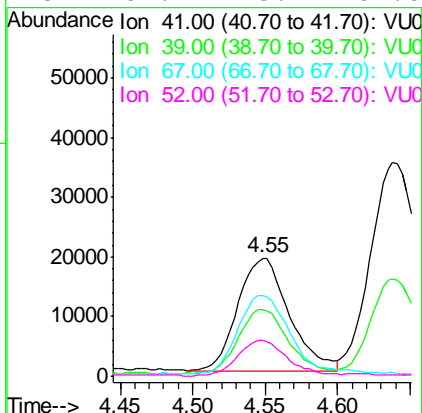
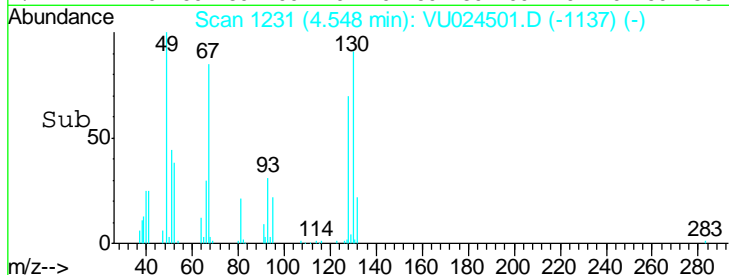


Tgt Ion: 41 Resp: 46278

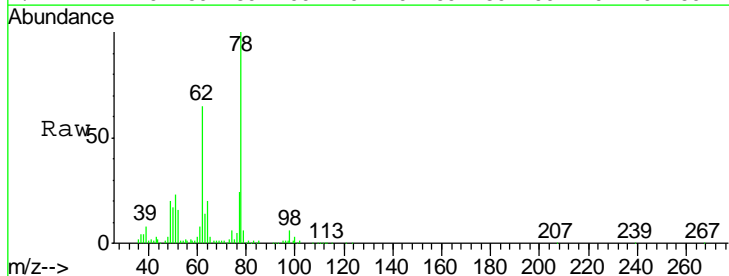
Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.8	65.6
67	71.7	56.3	84.5
52	31.2	23.2	34.8

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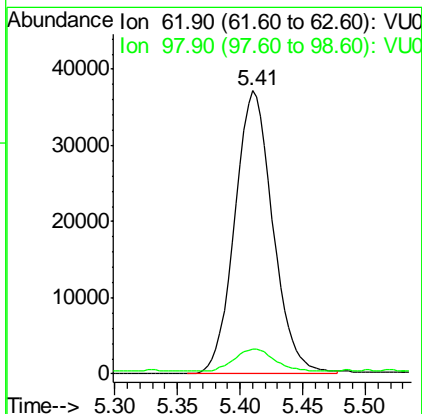
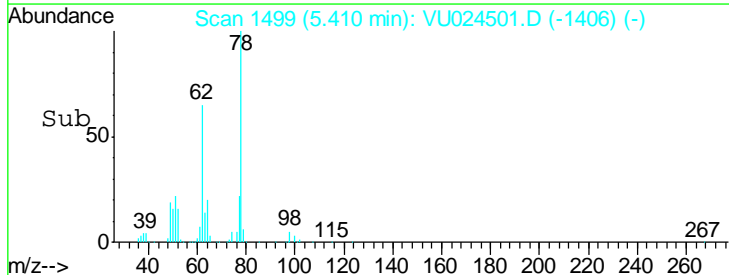


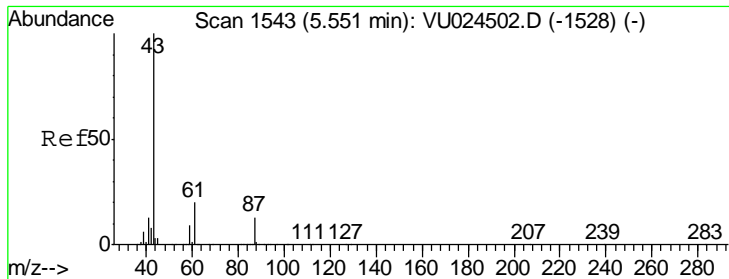
#42
 1,2-Dichloroethane
 Concen: 15.332 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



Tgt Ion: 62 Resp: 78799

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6





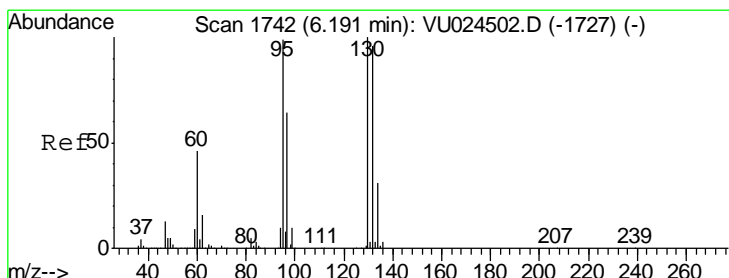
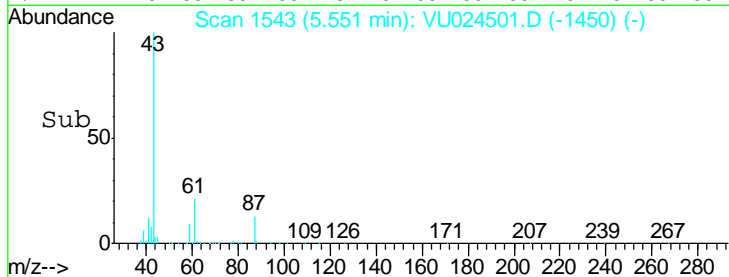
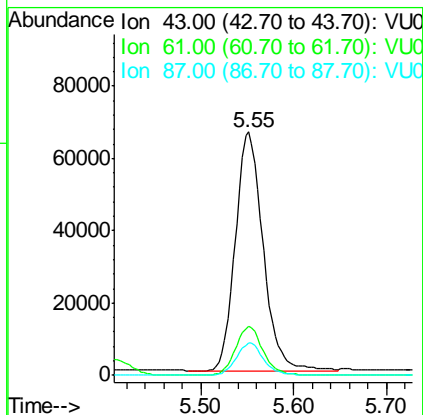
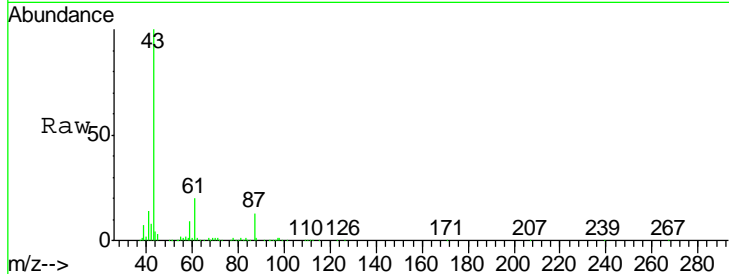
#43
 Isopropyl Acetate
 Concen: 18.194 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	138322		
61	20.2	15.4	23.0
87	13.2	10.0	15.0

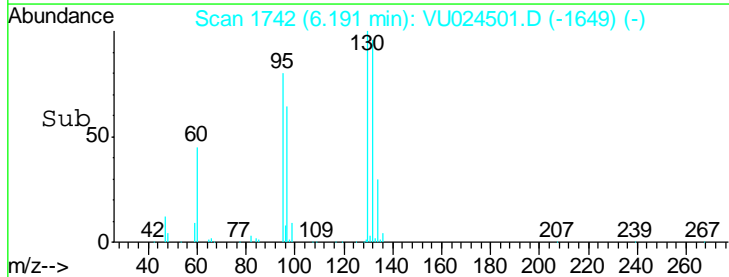
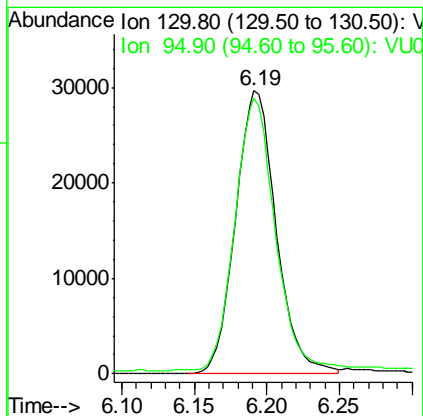
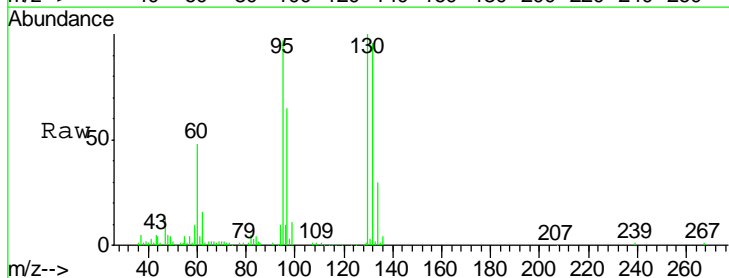
Manual Integrations
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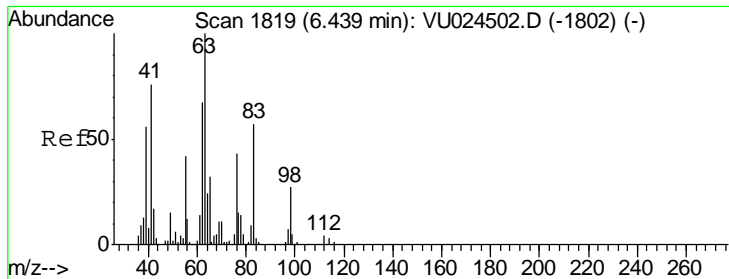
MMDadoda
 6/14/2018 9:44:27 AM



#44
 Trichloroethene
 Concen: 16.538 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

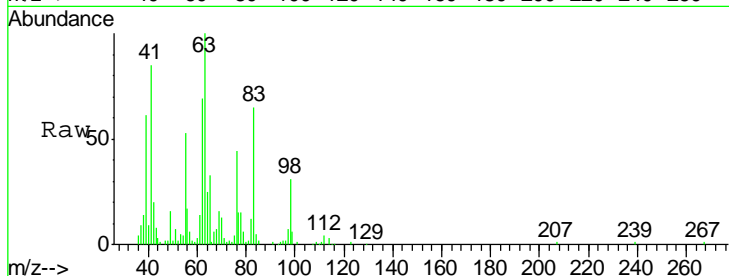
Tgt Ion	Resp	Lower	Upper
130	57825		
95	95.5	0.0	202.4





#45
 1,2-Dichloropropane
 Concen: 15.448 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

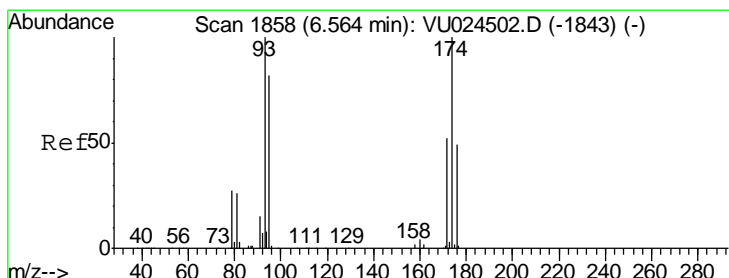
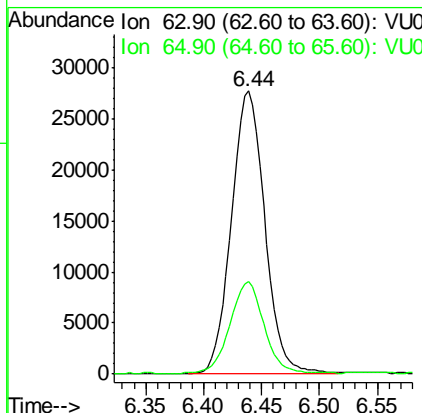
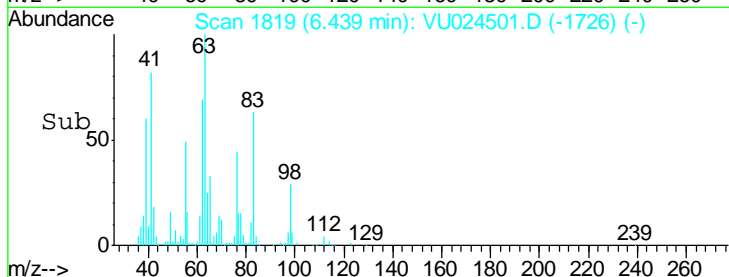
Instrument : MSVOA_U
 Client Sampled : VSTDIC020



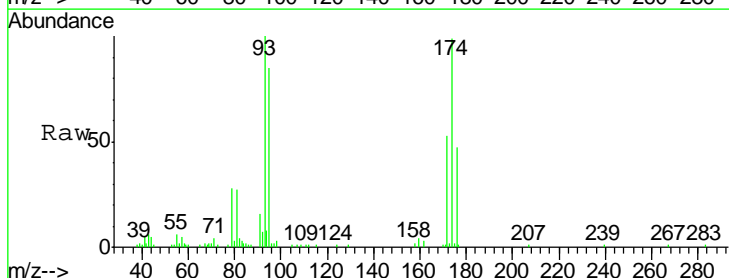
Tgt Ion: 63 Resp: 55715
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.8 37.2

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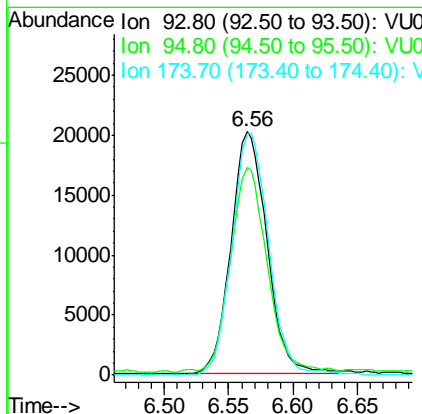
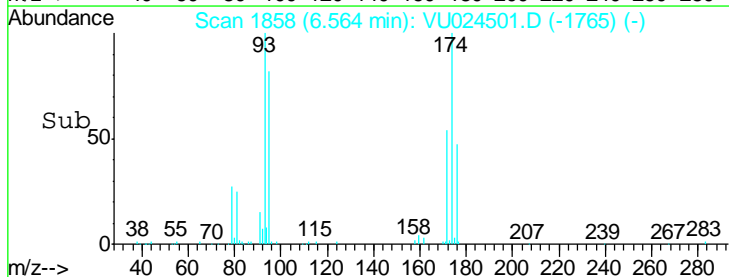
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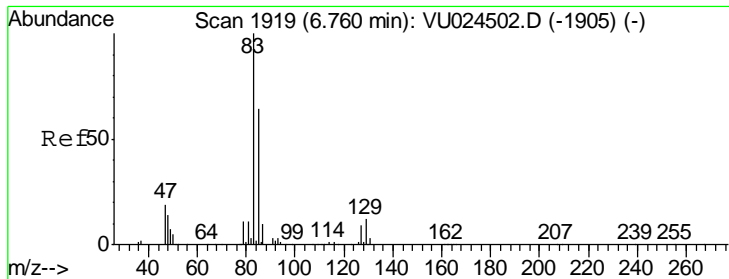


#46
 Dibromomethane
 Concen: 16.337 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



Tgt Ion: 93 Resp: 39006
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.5 98.3
 174 102.5 78.7 118.1





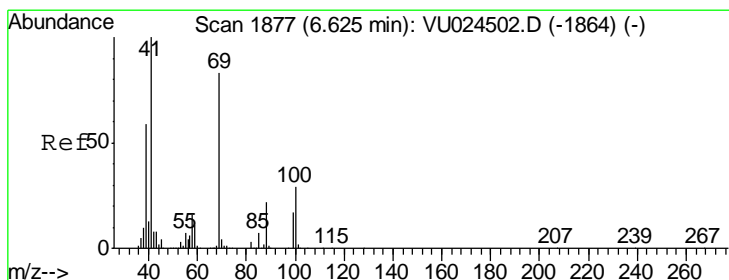
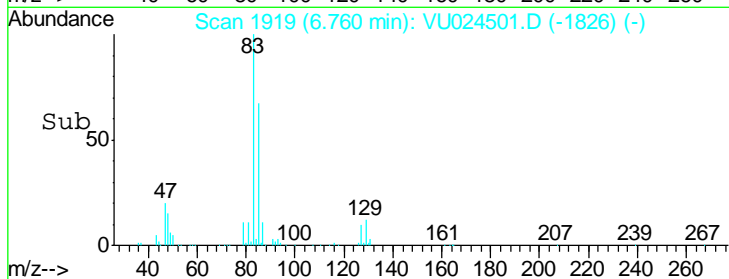
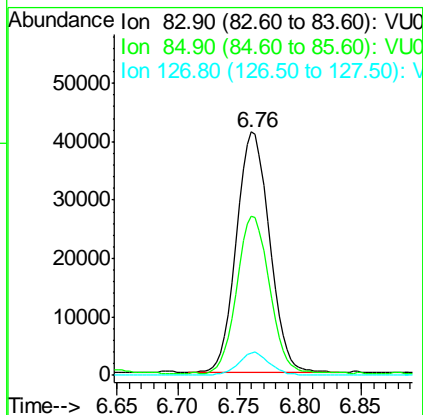
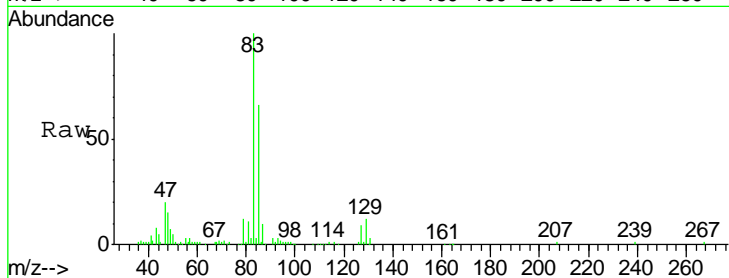
#47
 Bromodichloromethane
 Concen: 16.668 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	76999		
85	65.6	51.9	77.9
127	9.4	6.6	9.8

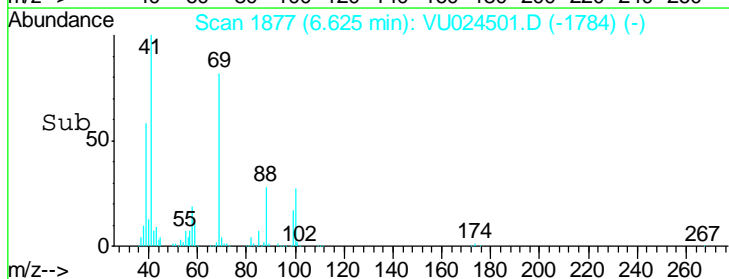
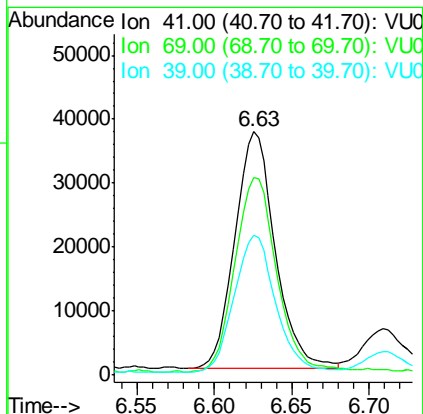
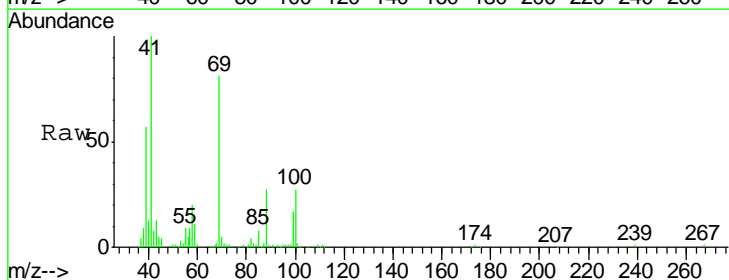
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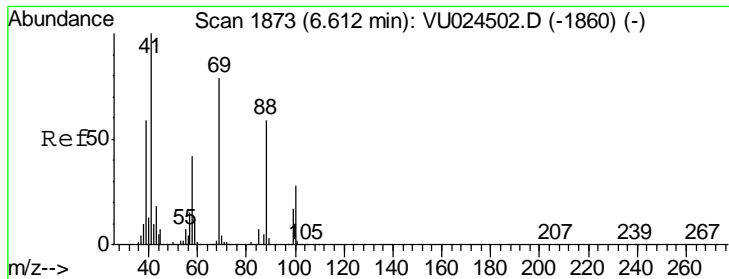
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#48
 Methyl methacrylate
 Concen: 18.051 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

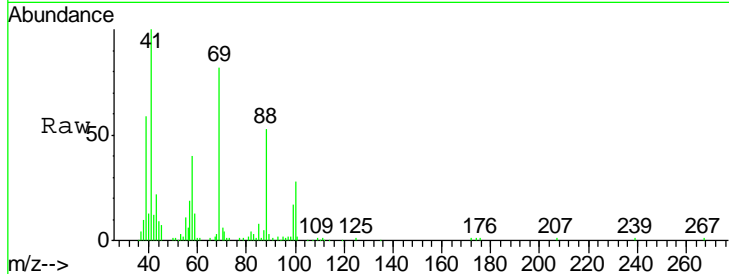
Tgt Ion	Resp	Lower	Upper
41	67277		
69	84.7	67.3	100.9
39	59.6	46.5	69.7





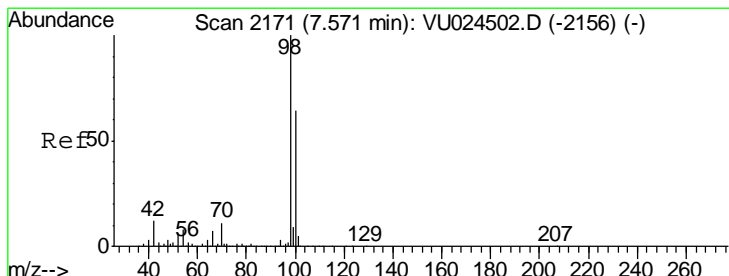
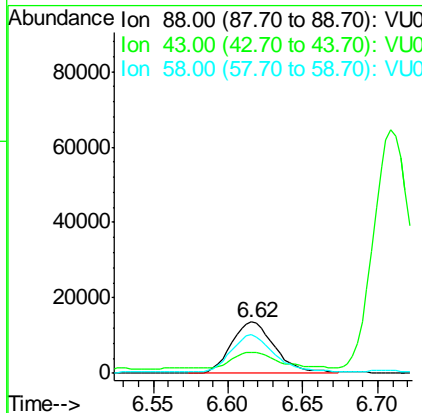
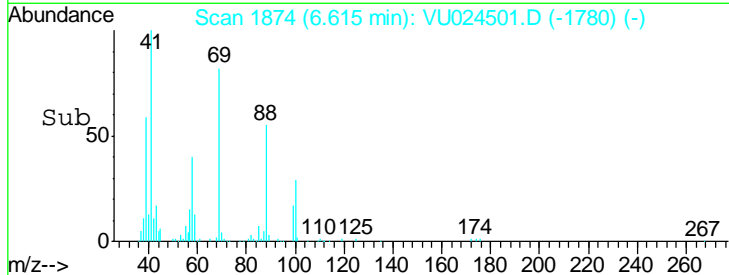
#49
 1,4-Dioxane
 Concen: 352.644 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

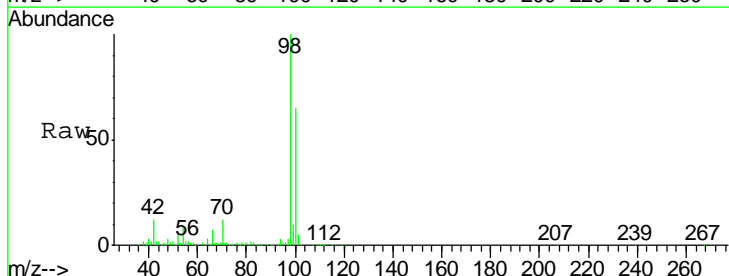


Tgt Ion	Resp	Lower	Upper
88	27728		
88	100		
43	32.1	28.6	42.8
58	71.5	58.2	87.4

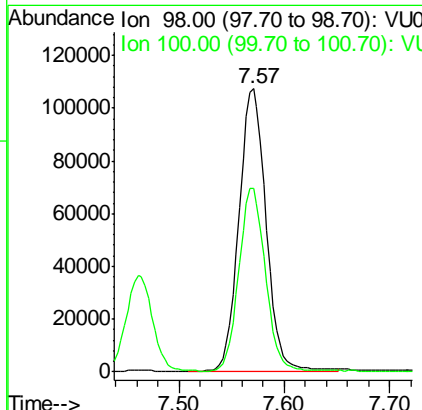
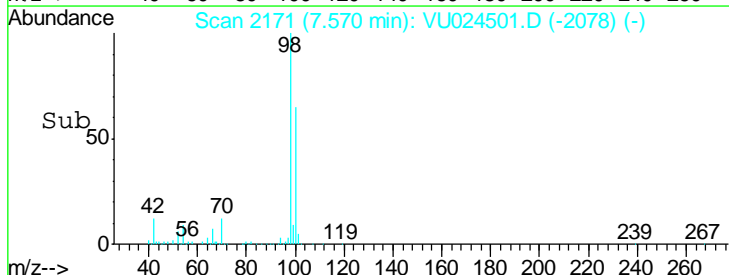
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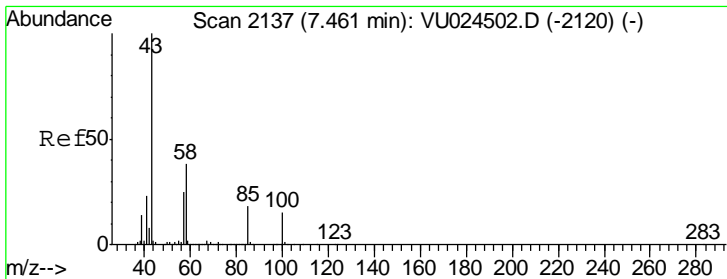


#50
 Toluene-d8
 Concen: 15.917 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



Tgt Ion	Resp	Lower	Upper
98	190597		
98	100		
100	63.5	51.1	76.7





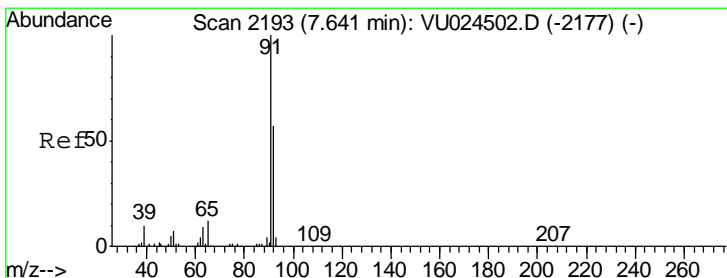
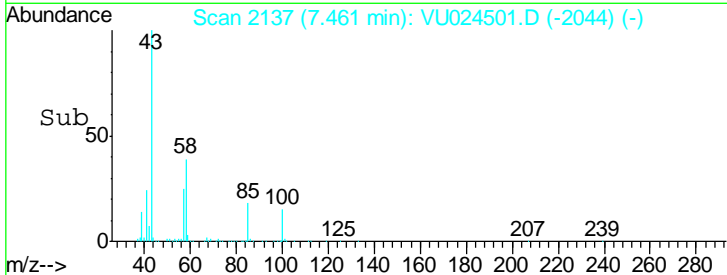
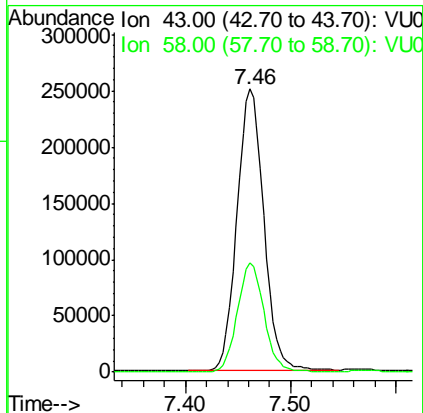
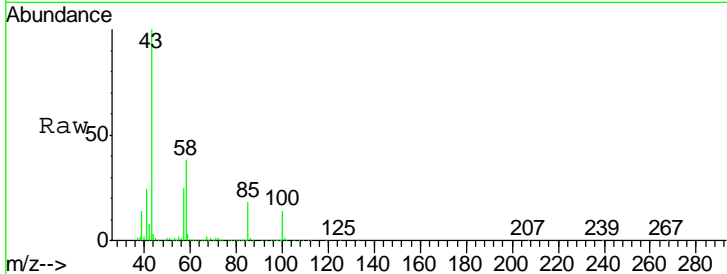
#51
 4-Methyl-2-Pentanone
 Concen: 80.567 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.2	30.0	45.0

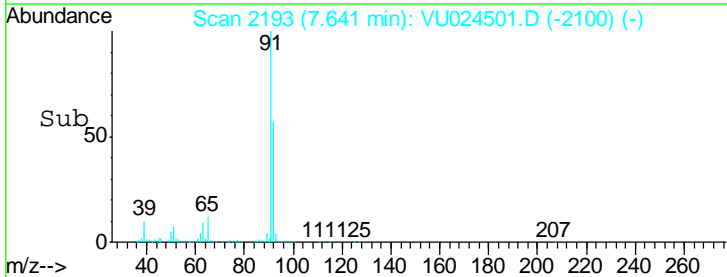
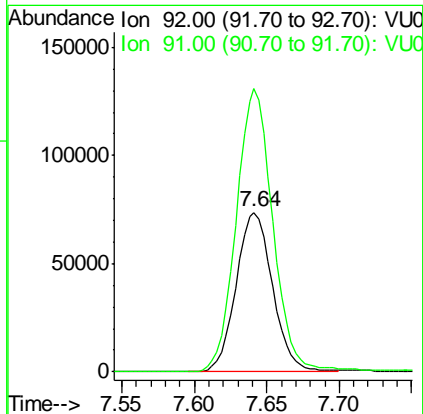
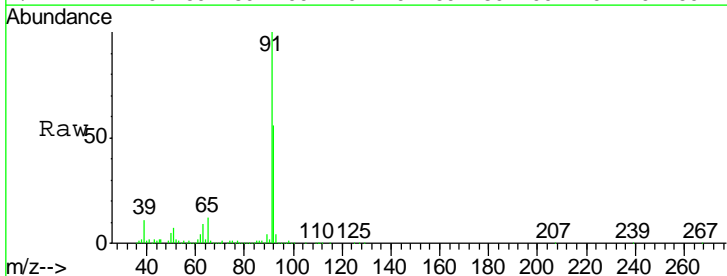
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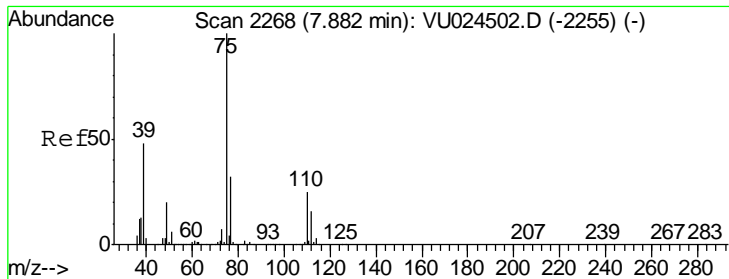
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#52
 Toluene
 Concen: 16.168 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
92	100		
91	178.1	140.5	210.7





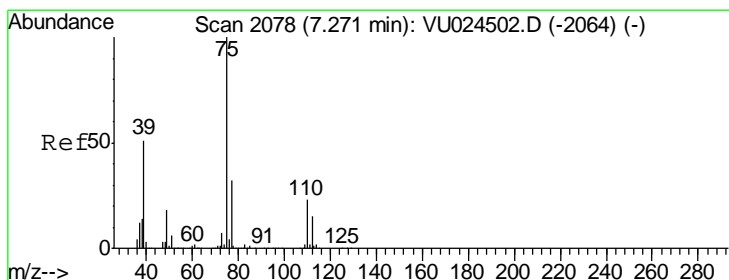
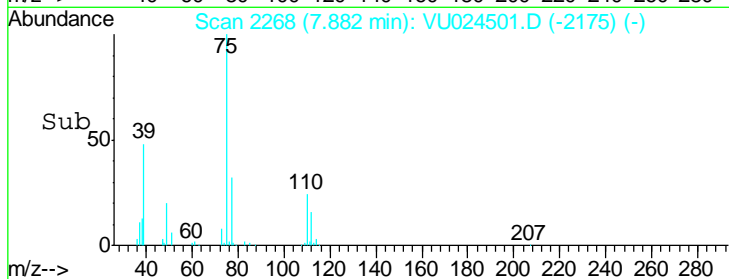
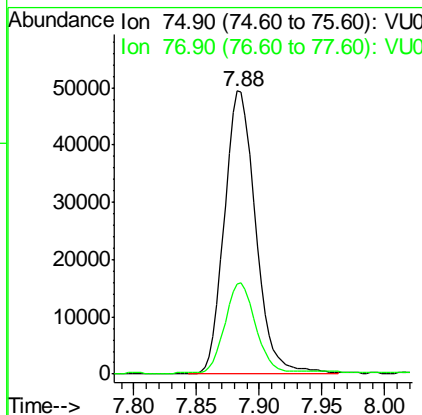
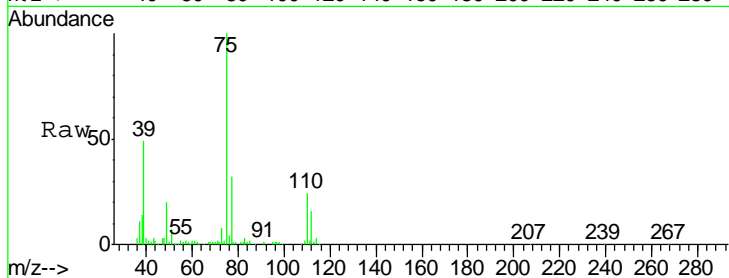
#53
 t-1,3-Dichloropropene
 Concen: 17.910 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	86038		
75	100		
77	31.6	24.8	37.2

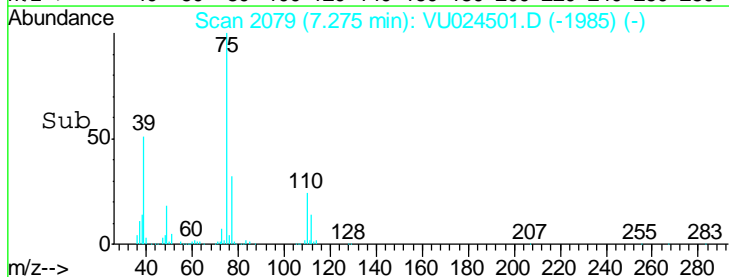
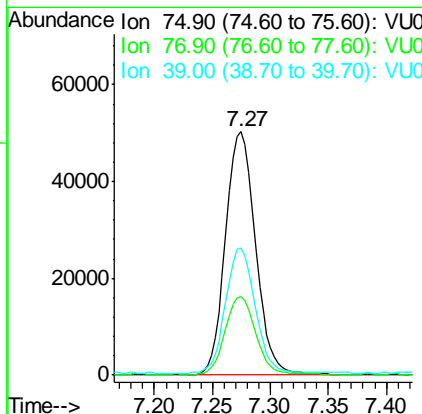
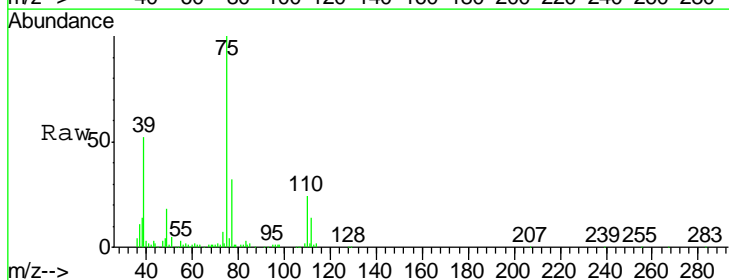
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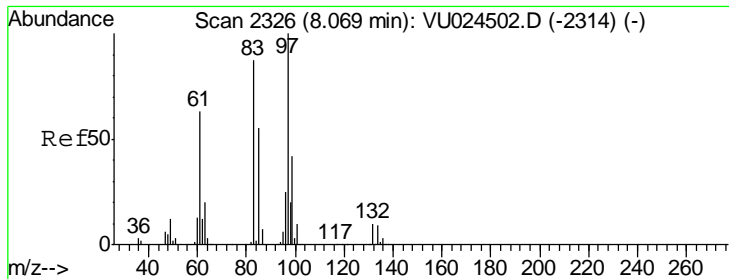
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#54
 cis-1,3-Dichloropropene
 Concen: 17.220 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

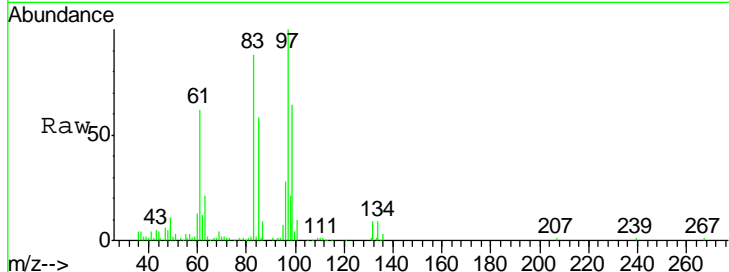
Tgt Ion	Resp	Lower	Upper
75	90260		
75	100		
77	32.2	24.6	36.8
39	51.4	39.8	59.6





#55
 1,1,2-Trichloroethane
 Concen: 15.005 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

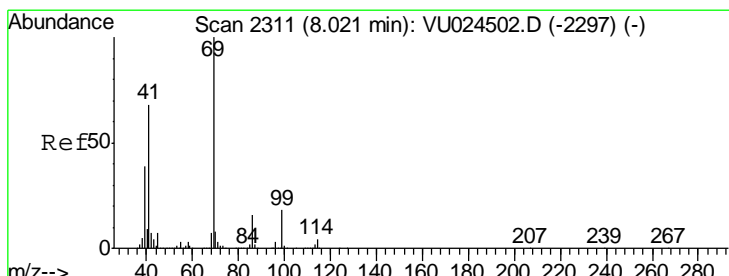
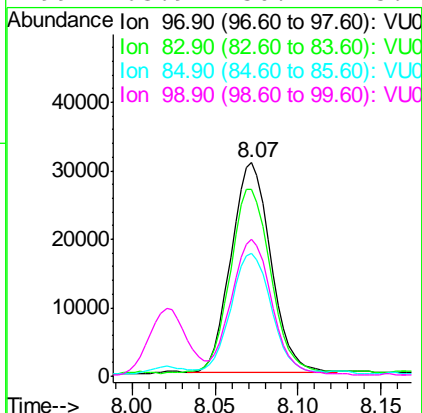
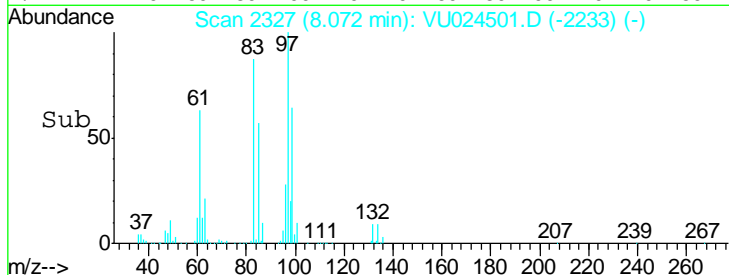


Tgt Ion: 97 Resp: 51267

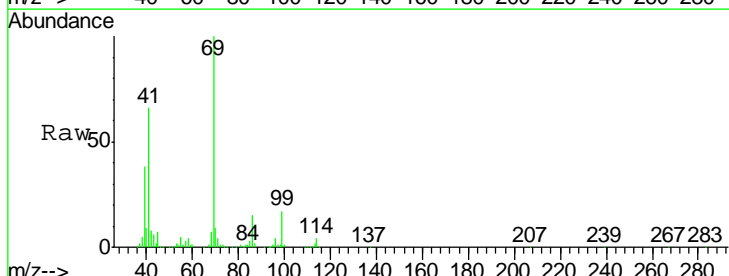
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.5	105.7
85	56.5	46.4	69.6
99	63.9	50.2	75.2

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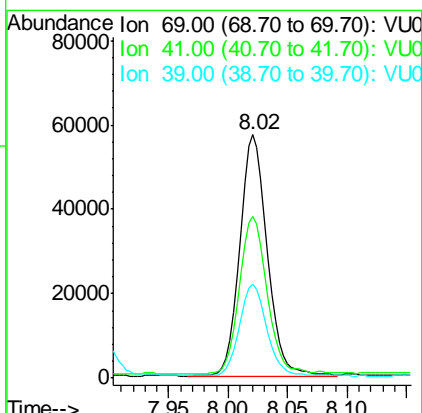
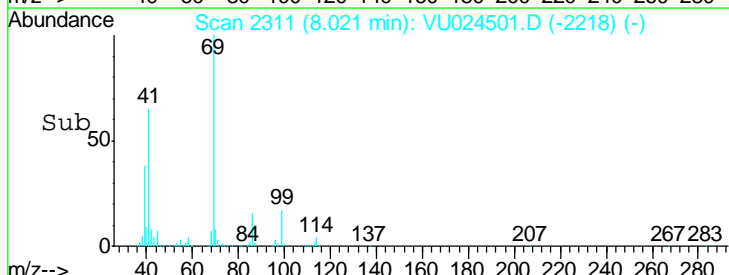


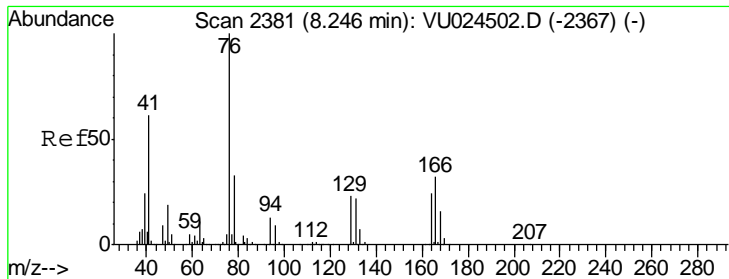
#56
 Ethyl methacrylate
 Concen: 20.513 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



Tgt Ion: 69 Resp: 91343

Ion	Ratio	Lower	Upper
69	100		
41	65.7	54.1	81.1
39	37.4	30.3	45.5





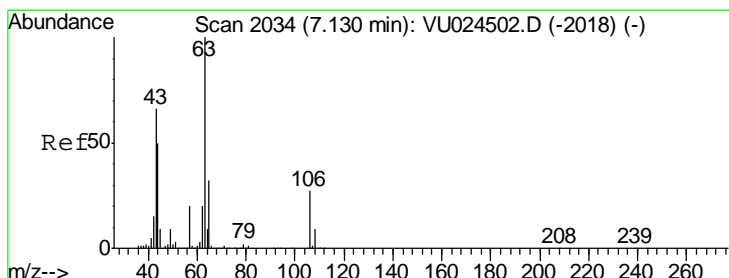
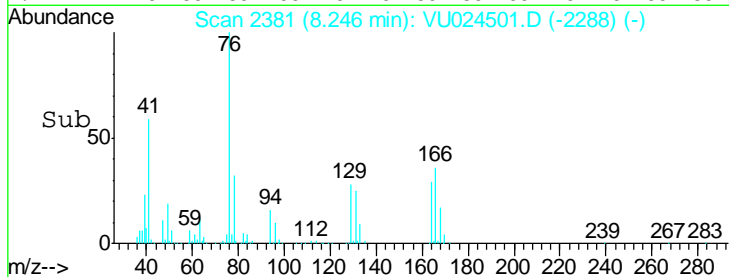
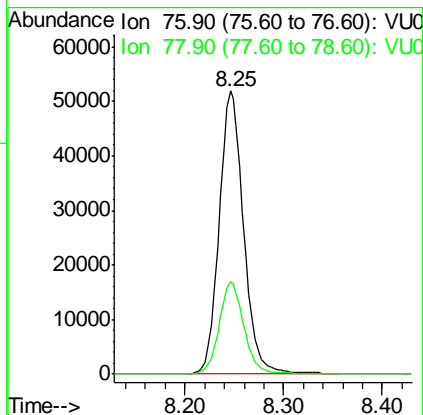
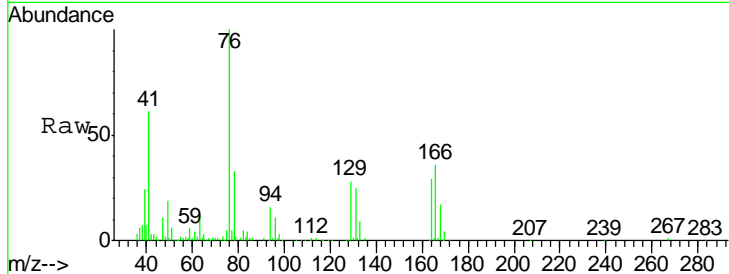
#57
 1,3-Dichloropropane
 Concen: 15.358 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	90111		
76	100		
78	32.6	25.2	37.8

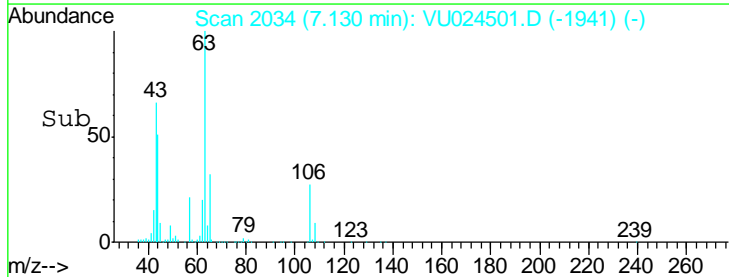
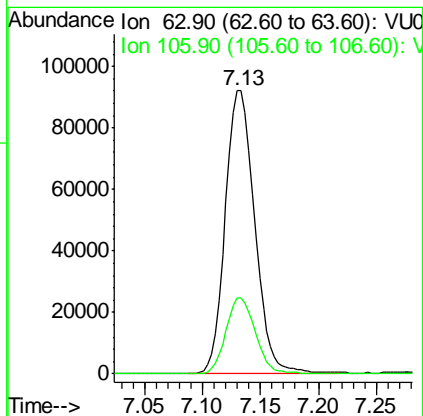
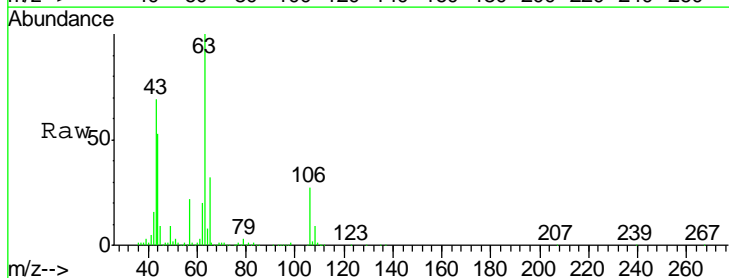
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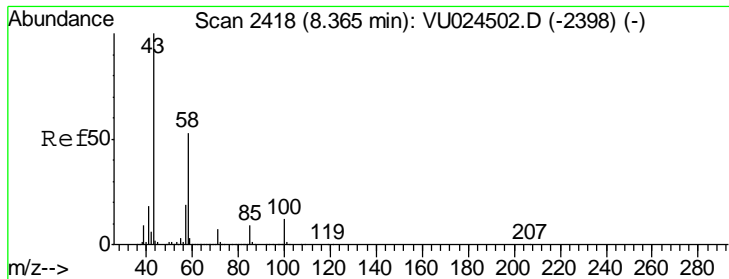
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#58
 2-Chloroethyl Vinyl ether
 Concen: 71.296 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
63	163279		
63	100		
106	26.9	20.2	30.2





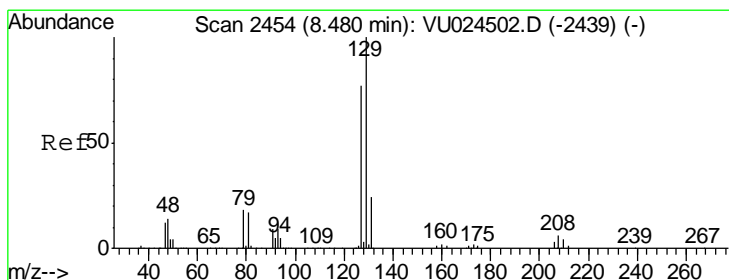
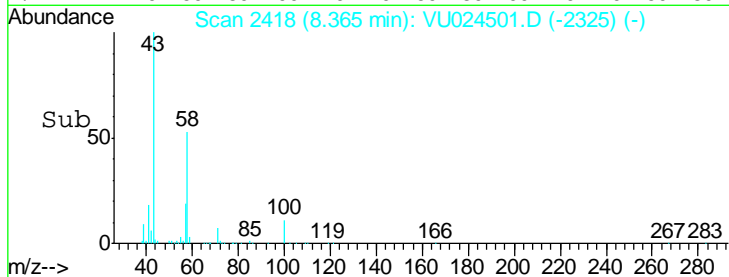
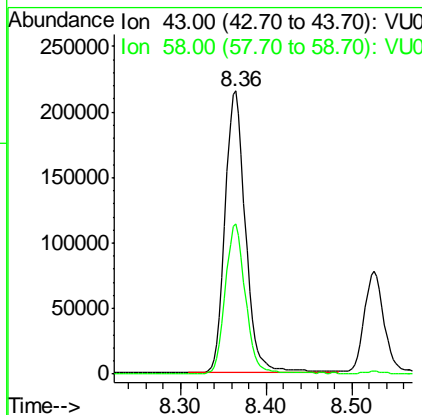
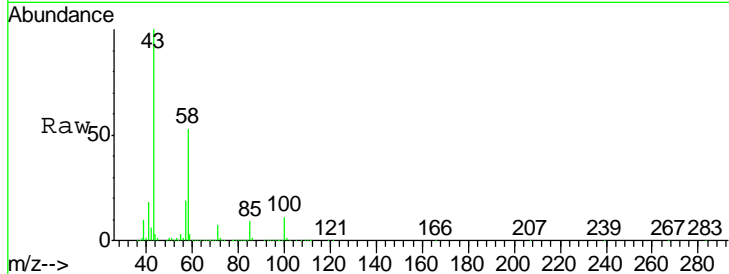
#59
 2-Hexanone
 Concen: 81.414 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	52.5	26.4	79.0

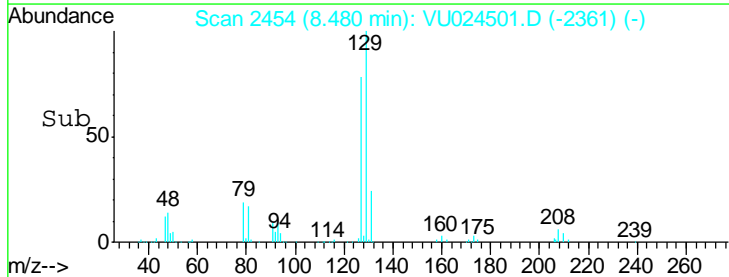
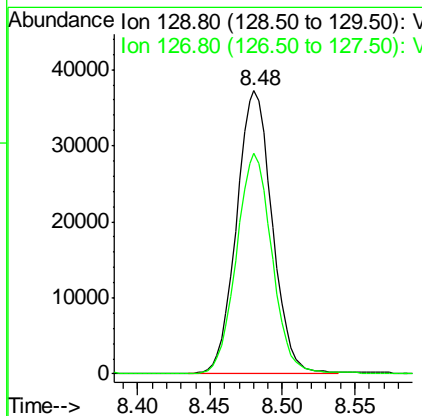
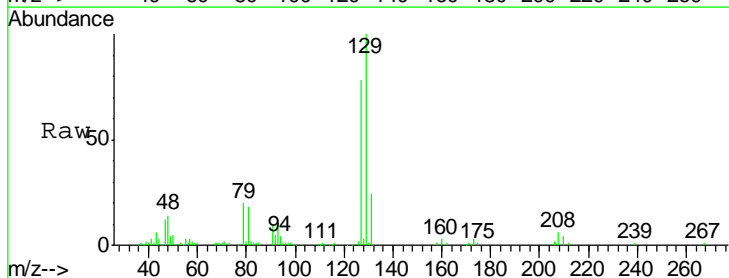
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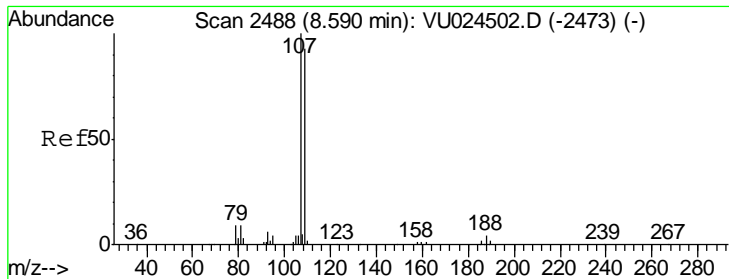
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#60
 Dibromochloromethane
 Concen: 18.203 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

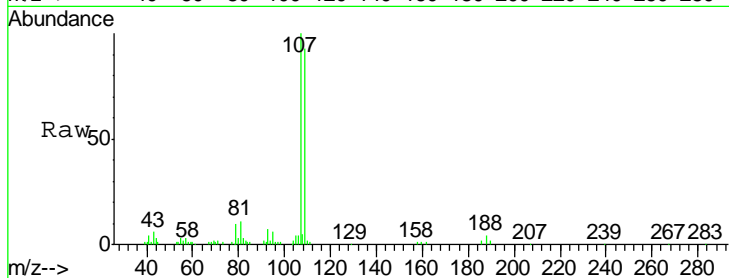
Tgt Ion	Resp	Lower	Upper
129	100		
127	78.4	38.6	116.0





#61
 1,2-Dibromoethane
 Concen: 16.106 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

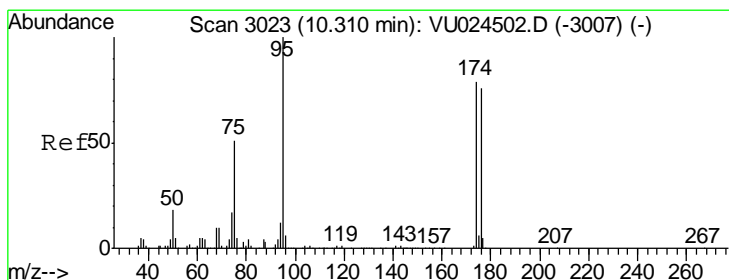
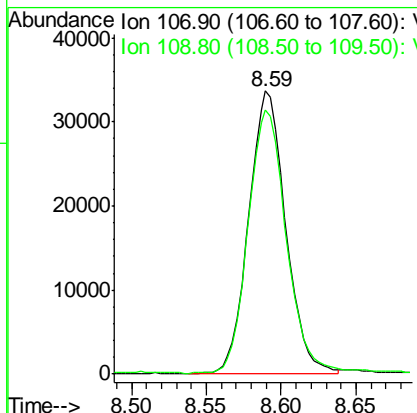
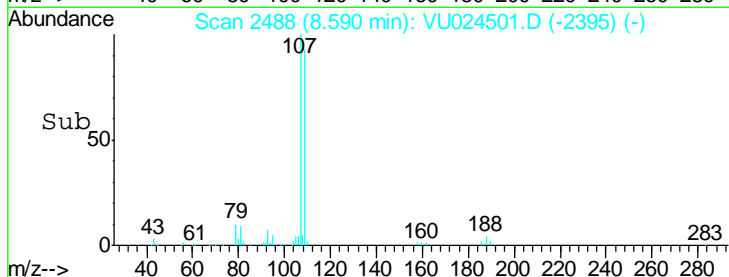
Instrument : MSVOA_U
 ClientSampled : VSTDIC020



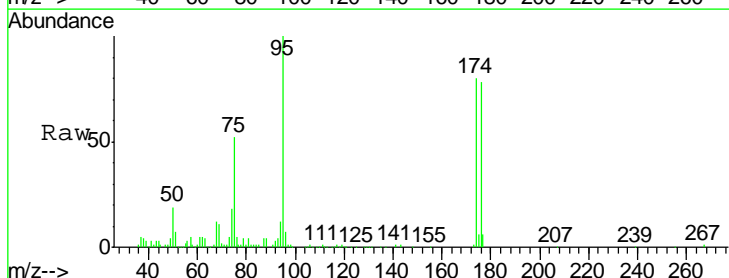
Tgt Ion: 107 Resp: 57555
 Ion Ratio Lower Upper
 107 100
 109 96.4 74.5 111.7

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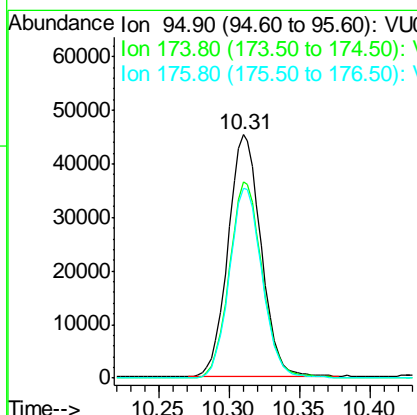
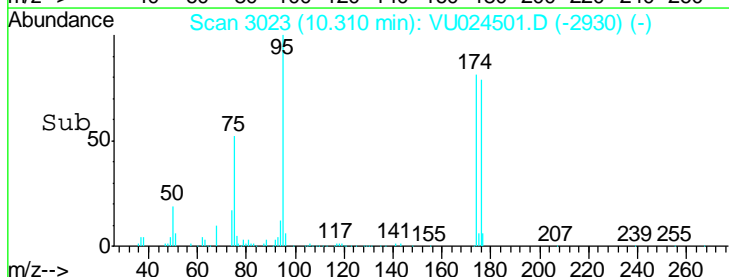
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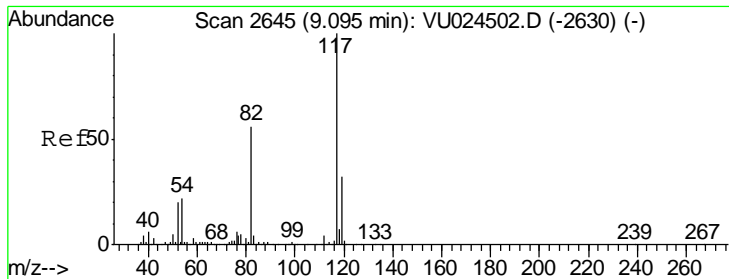


#62
 4-Bromofluorobenzene
 Concen: 16.849 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



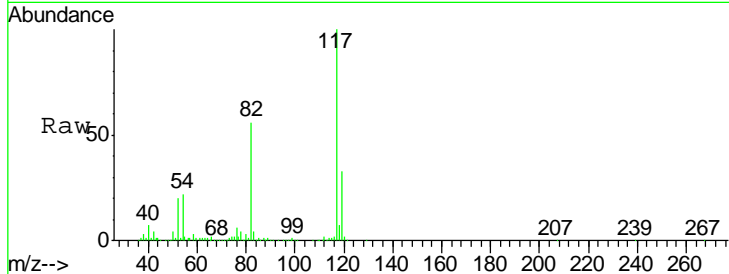
Tgt Ion: 95 Resp: 73533
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 165.8
 176 78.6 0.0 159.4





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

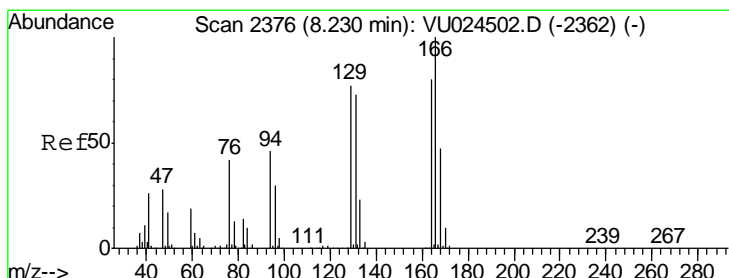
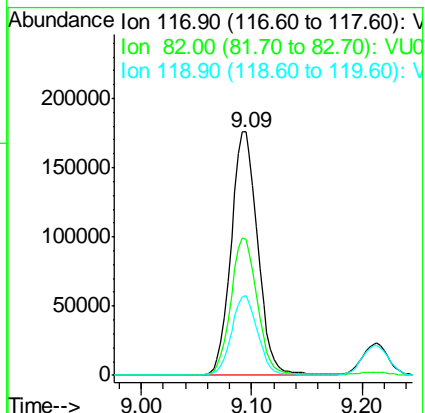
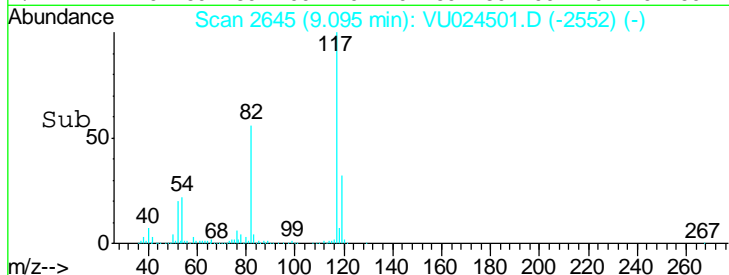
Instrument : MSVOA_U
 Client Sampled : VSTDIC020



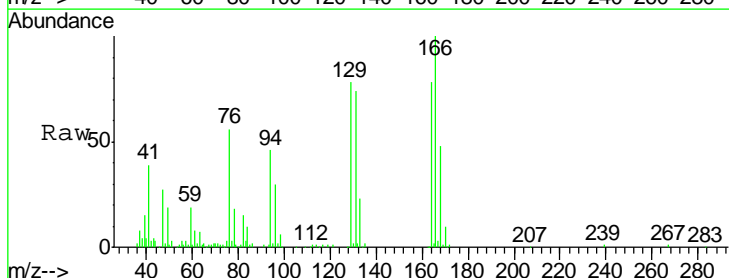
Tgt Ion	Resp	Lower	Upper
117	294986		
82	55.8	44.3	66.5
119	32.5	25.4	38.2

Manual Integrations
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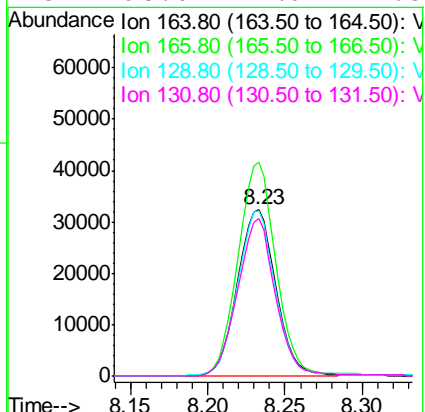
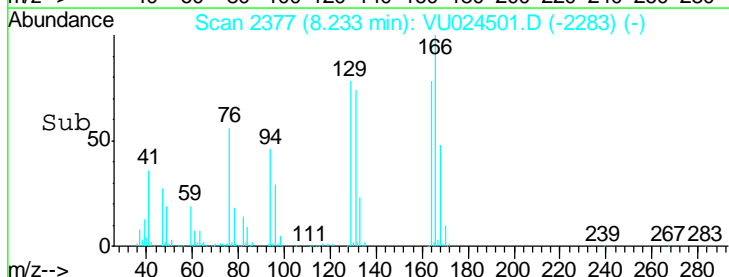
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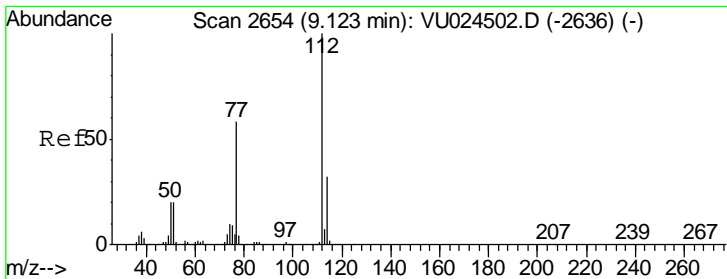


#64
 Tetrachloroethene
 Concen: 19.011 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



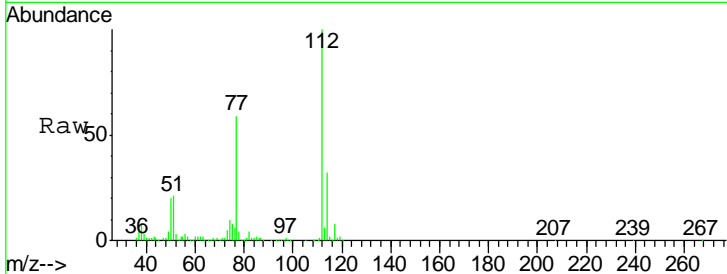
Tgt Ion	Resp	Lower	Upper
164	55748		
166	128.8	101.7	152.5
129	99.6	76.9	115.3
131	95.0	74.9	112.3





#65
 Chlorobenzene
 Concen: 16.995 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

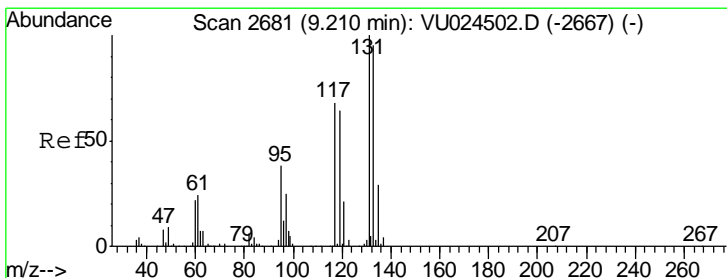
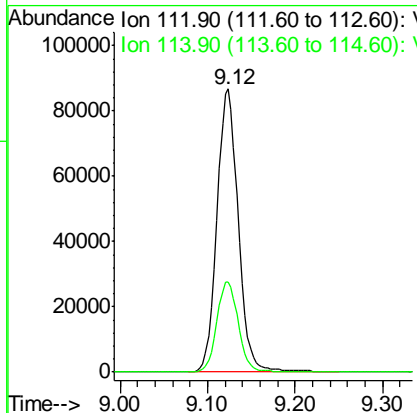
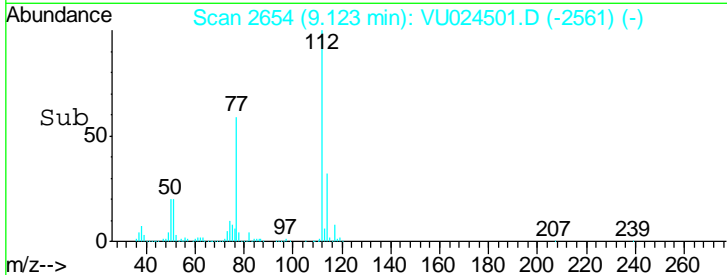
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020



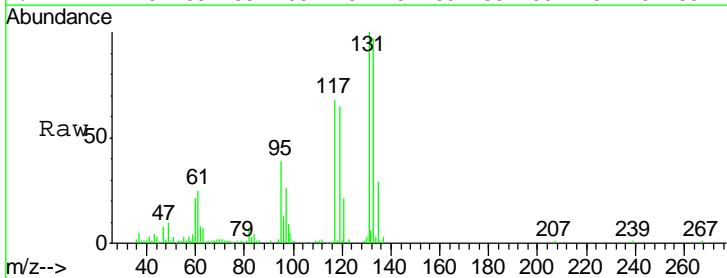
Tgt Ion: 112 Resp: 145897
 Ion Ratio Lower Upper
 112 100
 114 32.1 25.6 38.4

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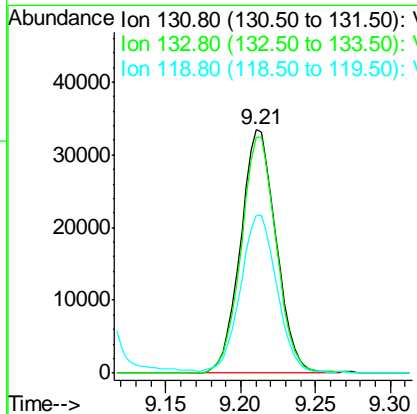
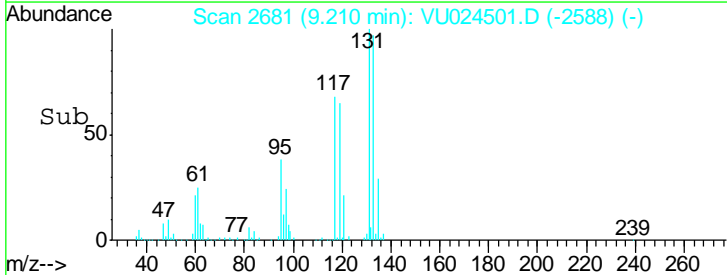
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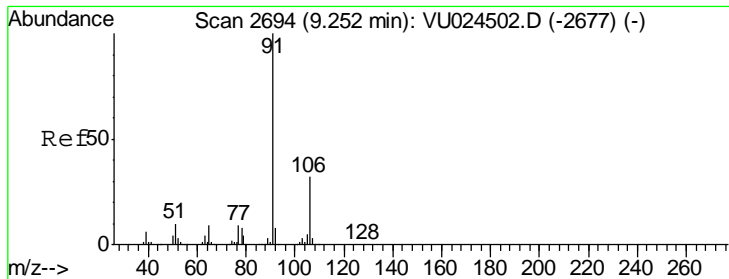


#66
 1,1,1,2-Tetrachloroethane
 Concen: 18.847 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



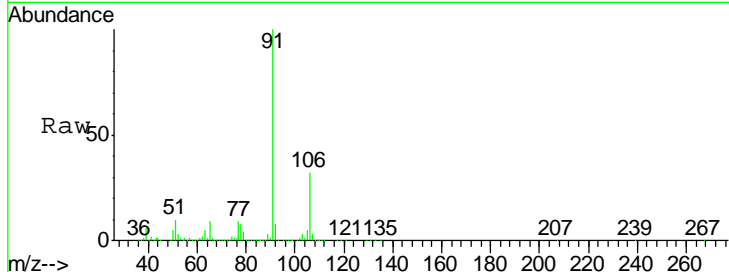
Tgt Ion: 131 Resp: 55533
 Ion Ratio Lower Upper
 131 100
 133 95.6 46.9 140.8
 119 65.4 33.5 100.4





#67
 Ethyl Benzene
 Concen: 18.761 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

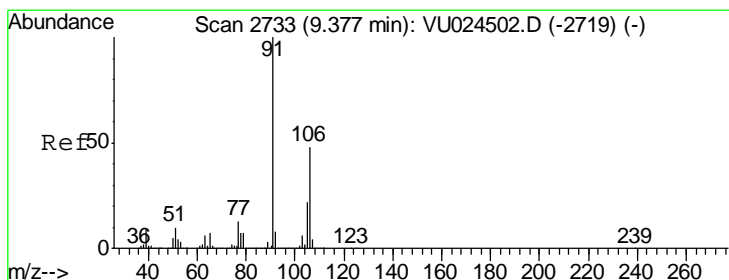
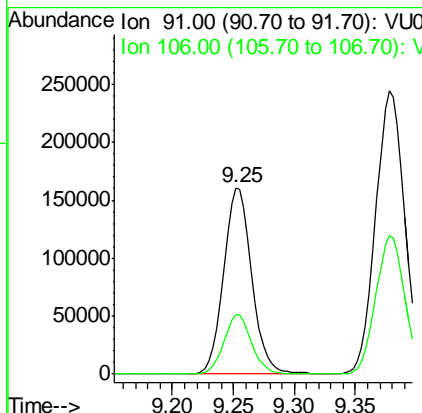
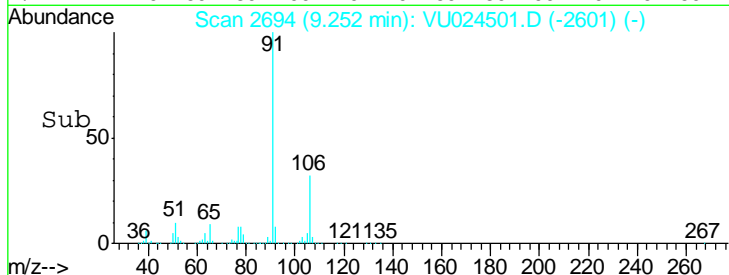
Instrument : MSVOA_U
 Client Sampled : VSTDIC020



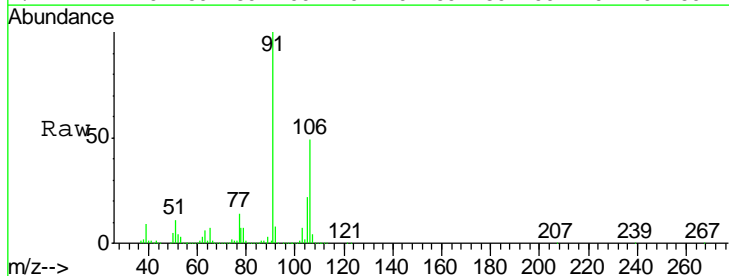
Tgt Ion: 91 Resp: 259683
 Ion Ratio Lower Upper
 91 100
 106 32.1 24.2 36.4

Manual Integrations
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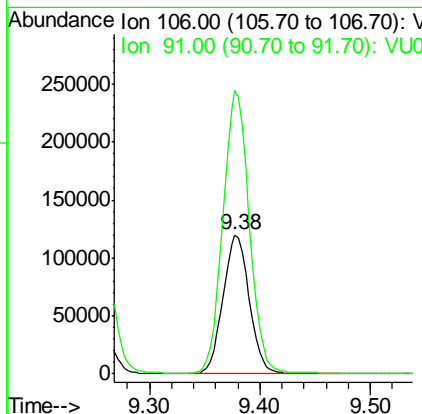
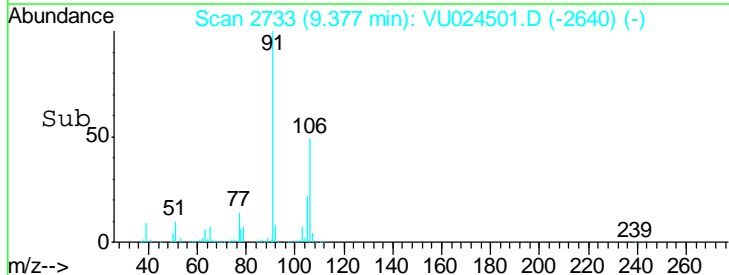
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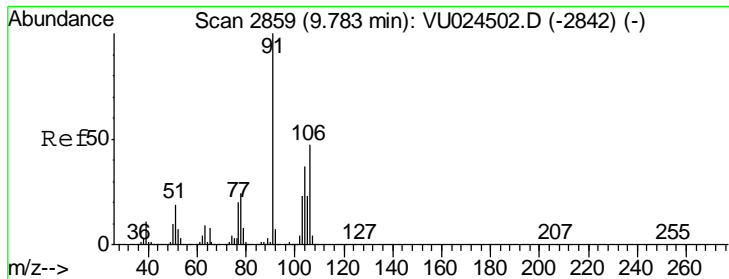


#68
 m/p-Xylenes
 Concen: 37.579 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



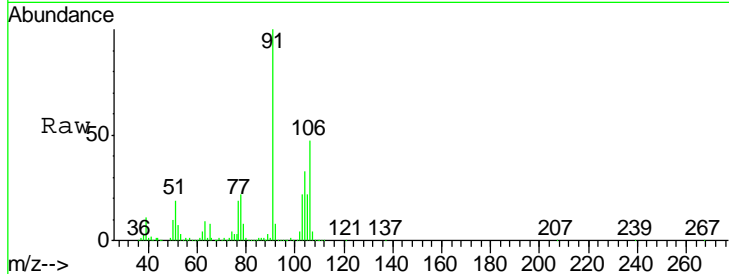
Tgt Ion: 106 Resp: 198140
 Ion Ratio Lower Upper
 106 100
 91 204.4 166.5 249.7





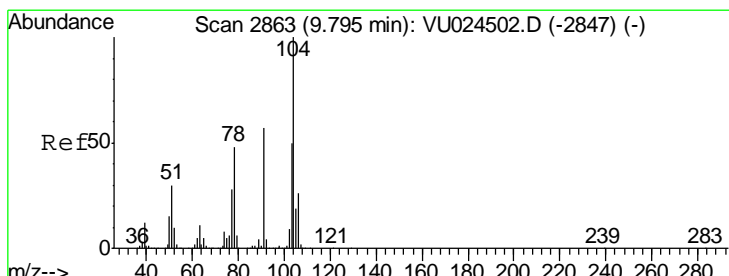
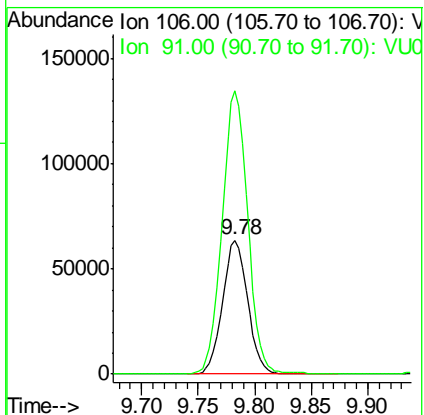
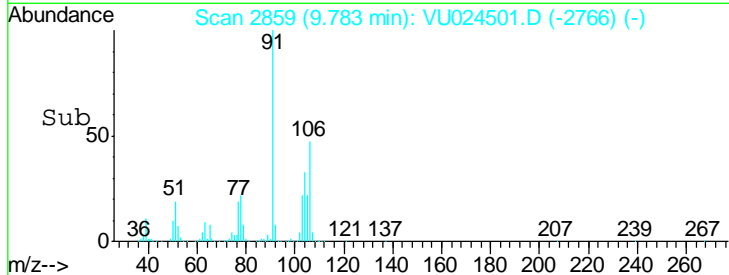
#69
 o-Xylene
 Concen: 20.302 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

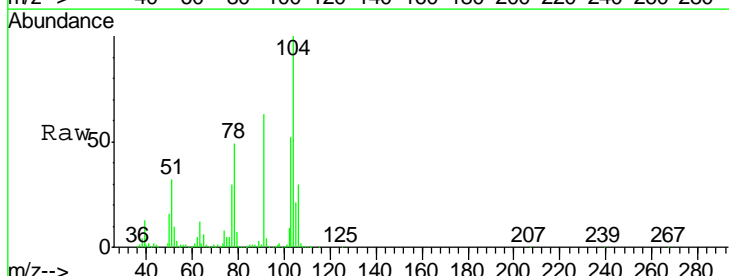


Tgt Ion	Resp	Lower	Upper
106	98668		
106	100		
91	214.2	110.7	331.9

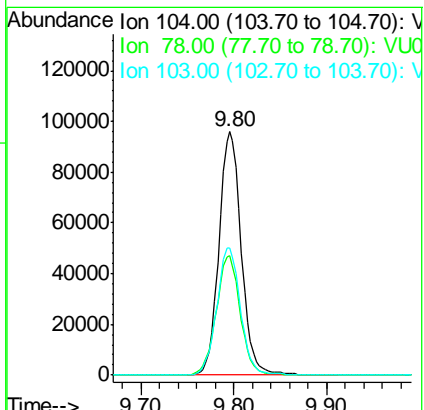
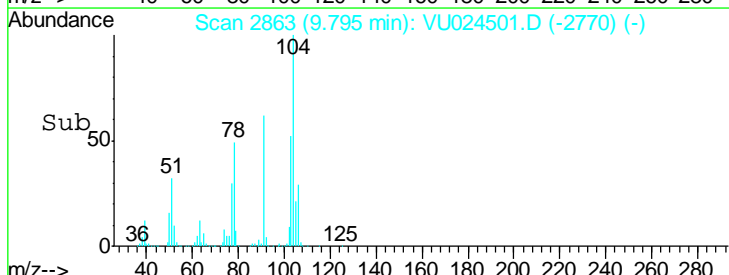
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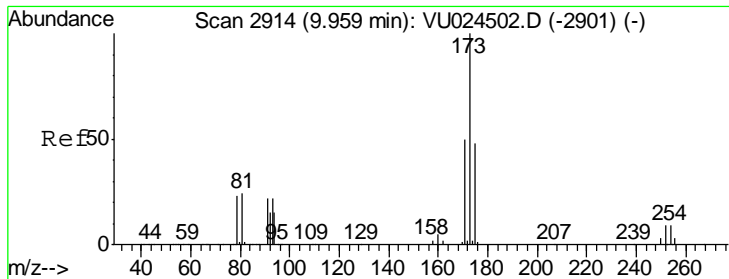


#70
 Styrene
 Concen: 19.323 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



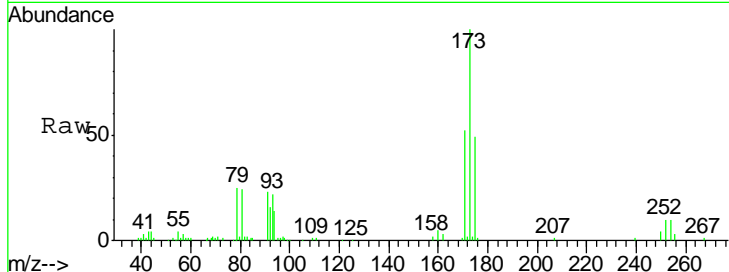
Tgt Ion	Resp	Lower	Upper
104	159899		
104	100		
78	53.2	40.6	60.8
103	55.6	44.7	67.1





#71
 Bromoform
 Concen: 20.415 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

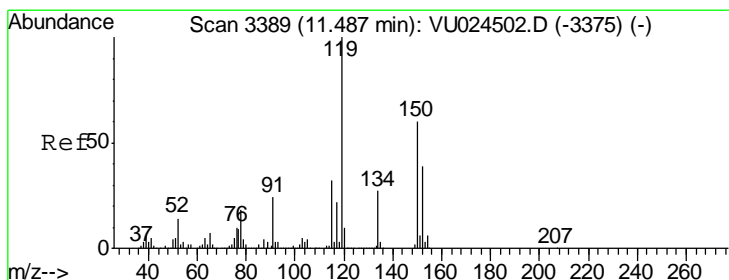
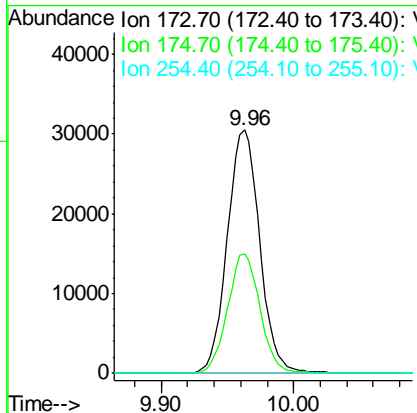
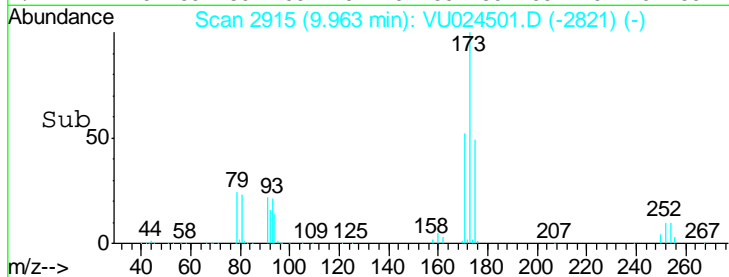
Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC020



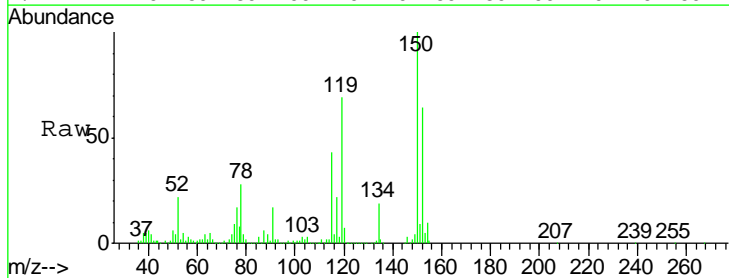
Tgt Ion	Resp	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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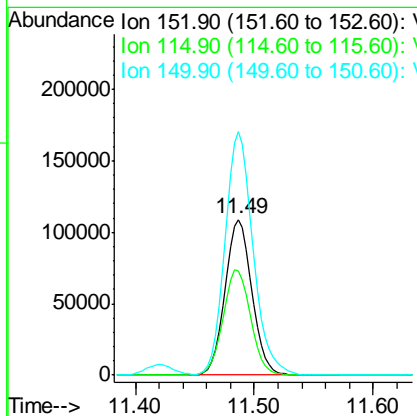
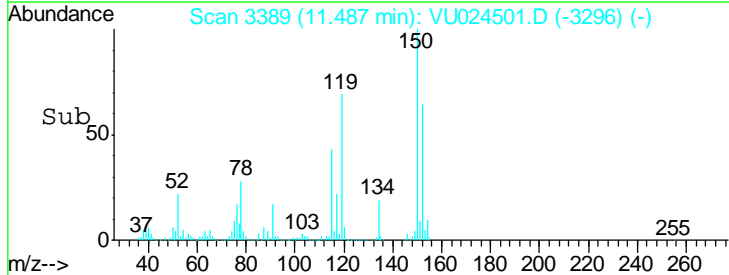
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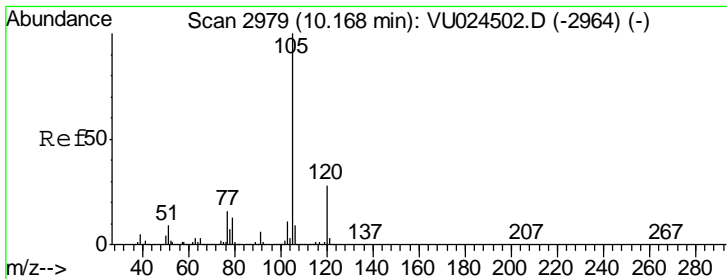


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



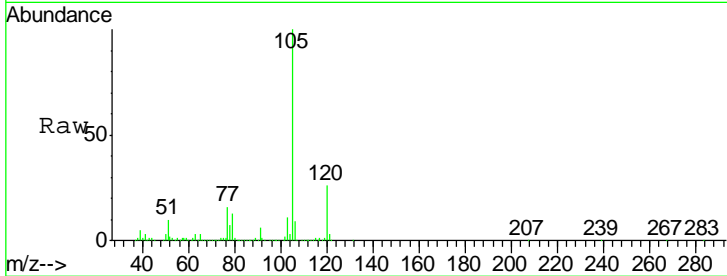
Tgt Ion	Resp	Lower	Upper
152	100		
115	69.9	43.0	129.0
150	163.9	0.0	354.0





#73
 Isopropylbenzene
 Concen: 22.705 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

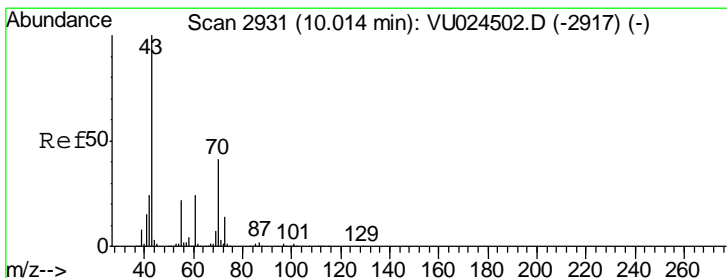
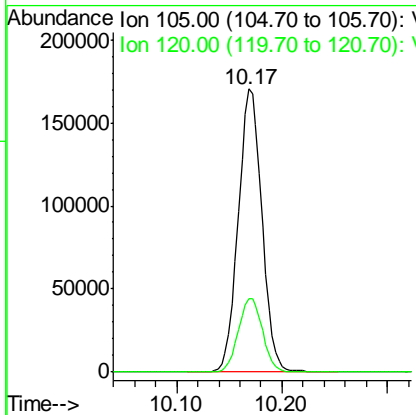
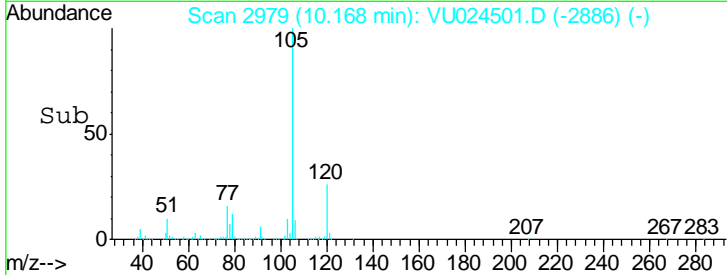
Instrument : MSVOA_U
 Client Sampled : VSTDIC020



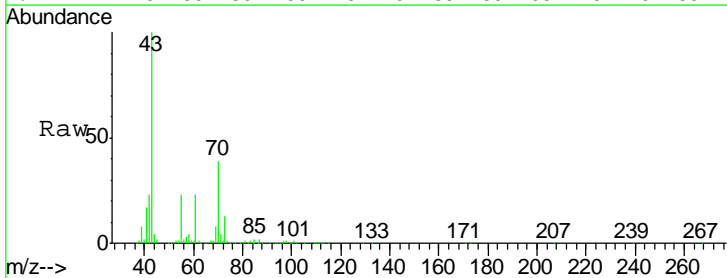
Tgt Ion: 105 Resp: 264998

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.6

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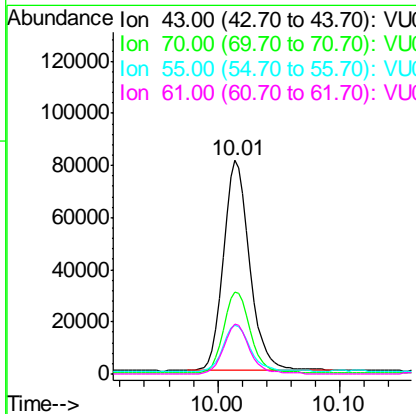
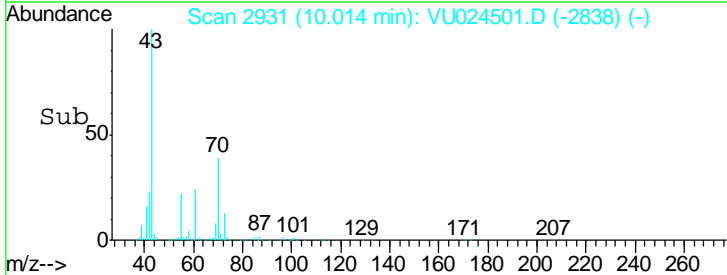


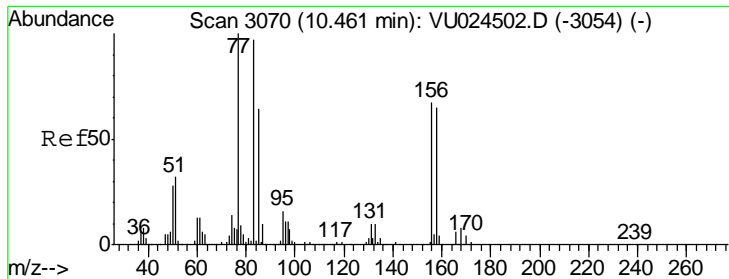
#74
 N-aryl acetate
 Concen: 23.207 ug/l
 RT: 10.01 min Scan# 2931
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



Tgt Ion: 43 Resp: 122600

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.4
55	22.4	20.5	30.7
61	23.6	18.7	28.1





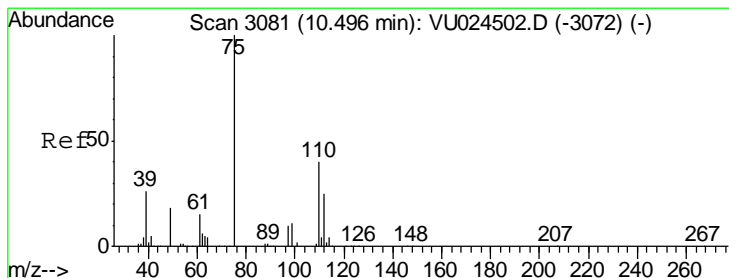
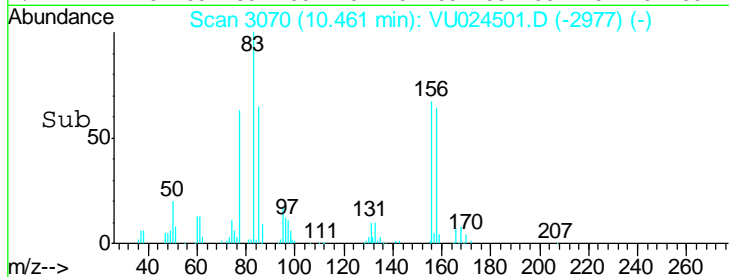
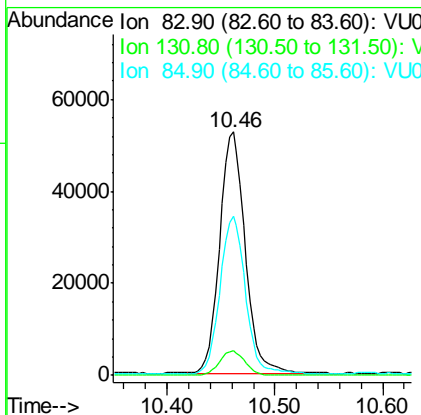
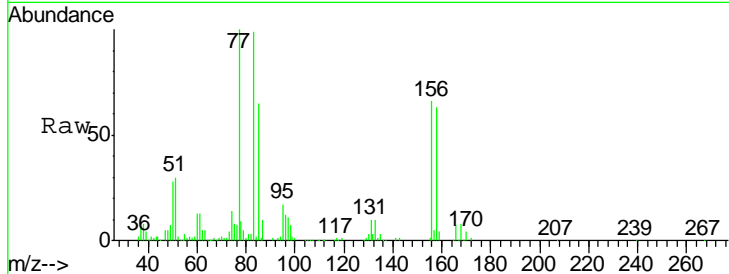
#75
 1,1,2,2-Tetrachloroethane
 Concen: 17.119 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.1	4.7	14.1
85	65.2	32.5	97.5

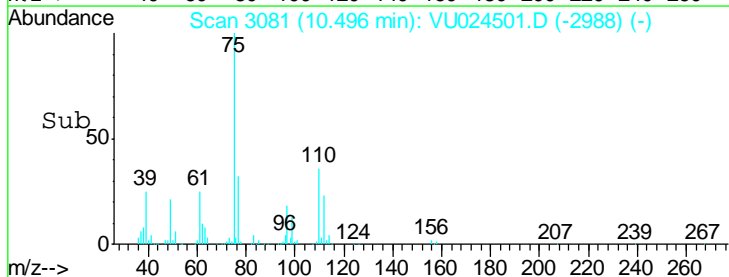
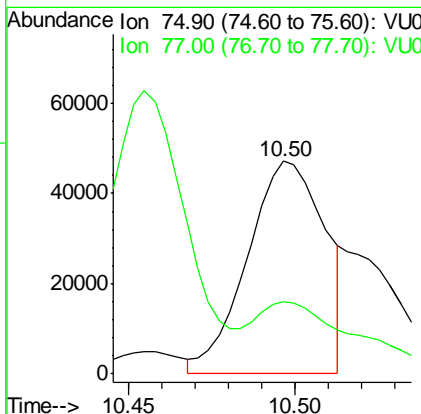
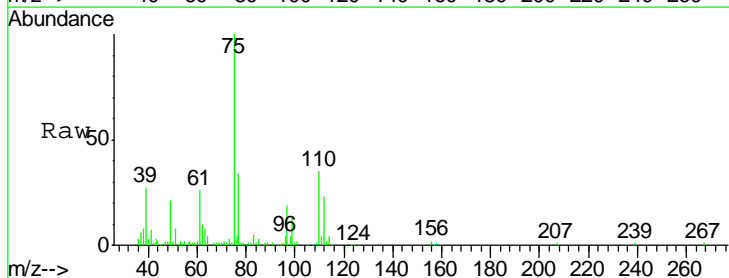
Manual Integrations
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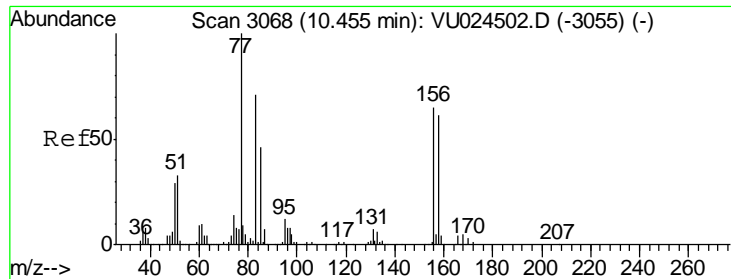
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#76
 1,2,3-Trichloropropane
 Concen: 21.447 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
75	100		
77	44.4	20.9	62.7





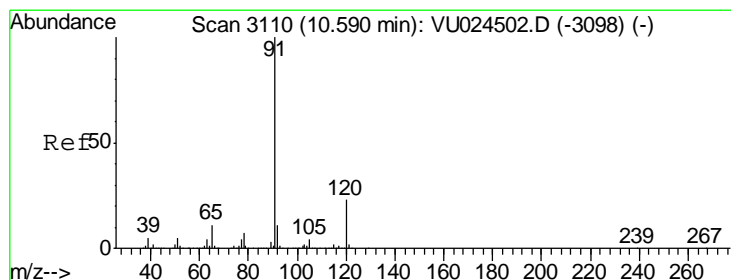
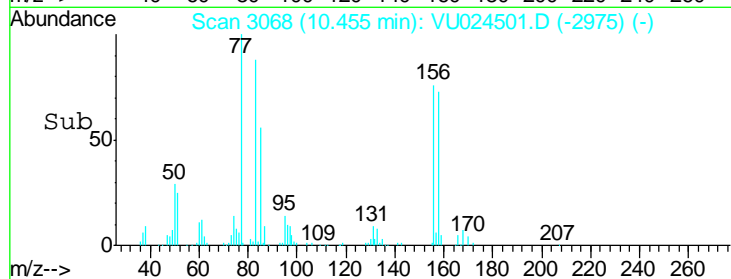
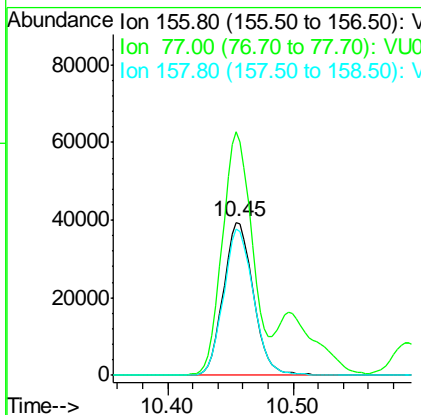
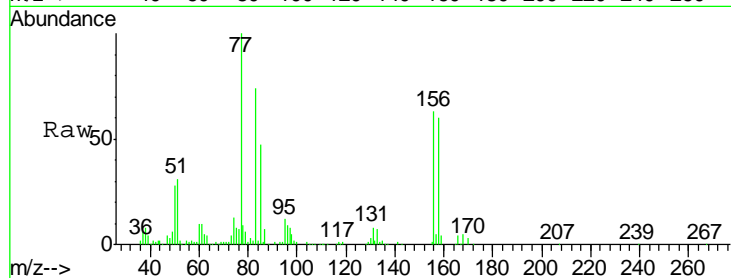
#77
 Bromobenzene
 Concen: 20.132 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
156	65061		
77	158.0	80.5	241.3
158	96.4	48.2	144.6

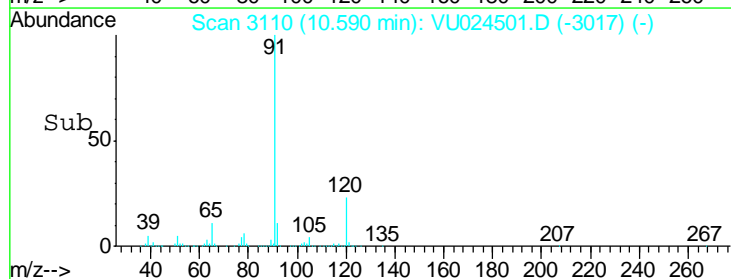
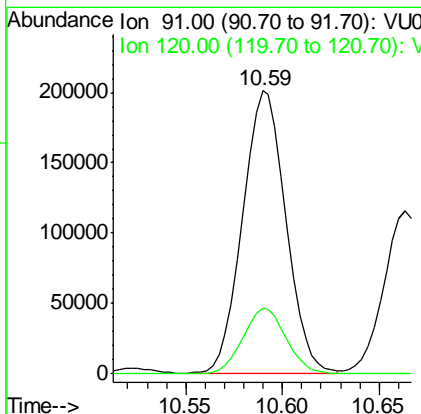
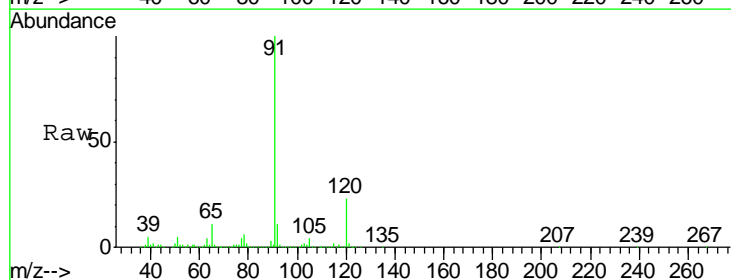
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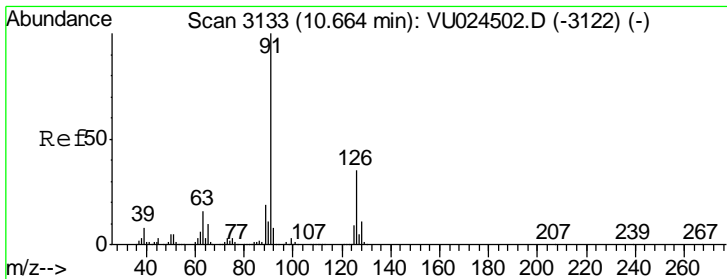
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#78
 n-propylbenzene
 Concen: 21.588 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
91	312370		
120	23.4	11.2	33.5





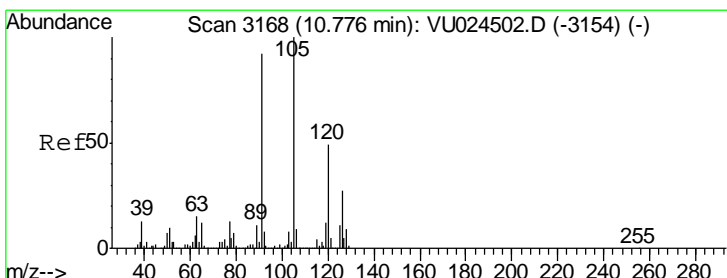
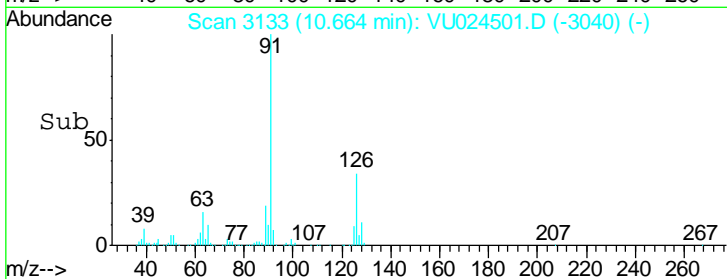
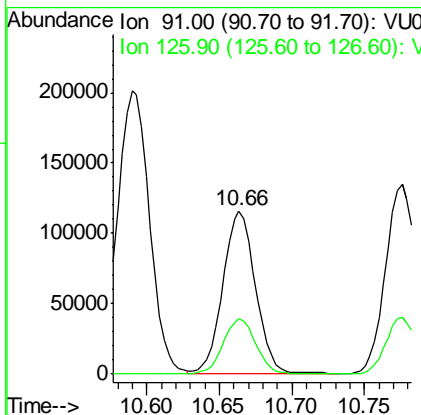
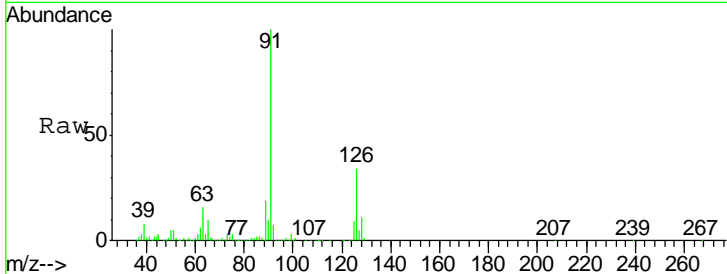
#79
 2-Chlorotoluene
 Concen: 20.556 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	180544		
126	34.3	16.9	50.7

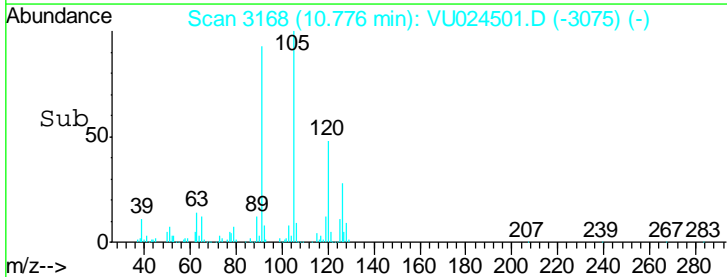
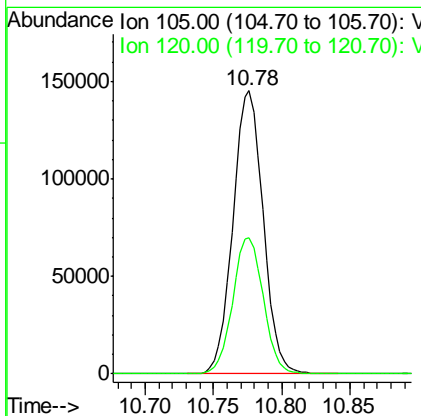
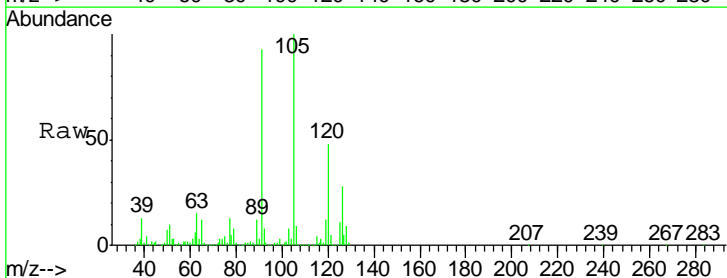
Manual Integrations
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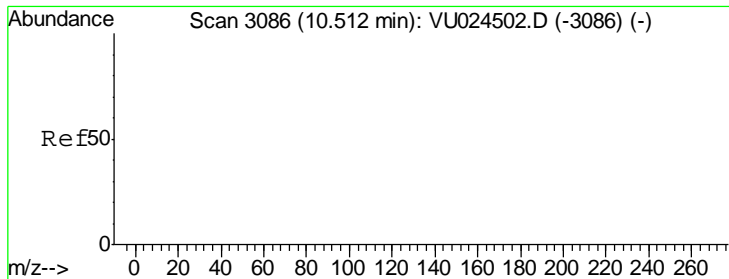
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.488 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
105	222581		
120	48.9	24.1	72.2





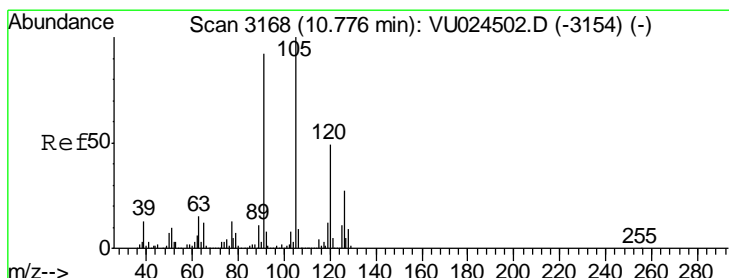
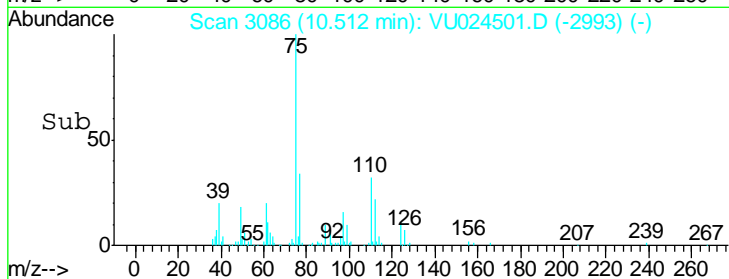
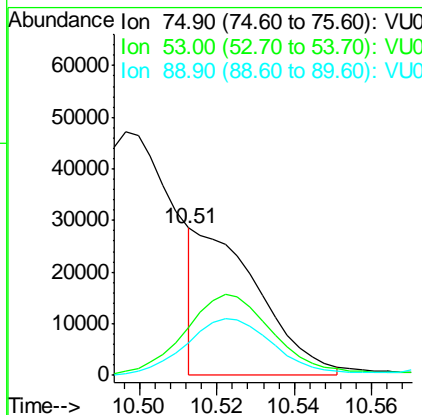
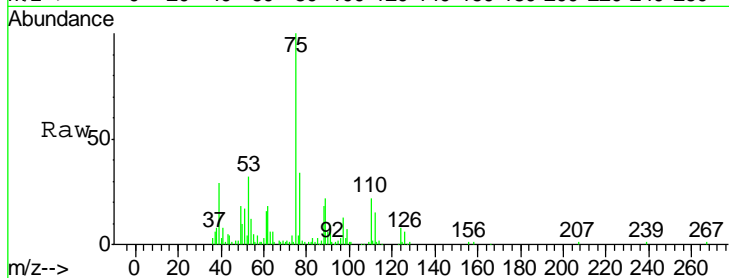
#81
 trans-1,4-Dichloro-2-butene
 Concen: 19.517 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

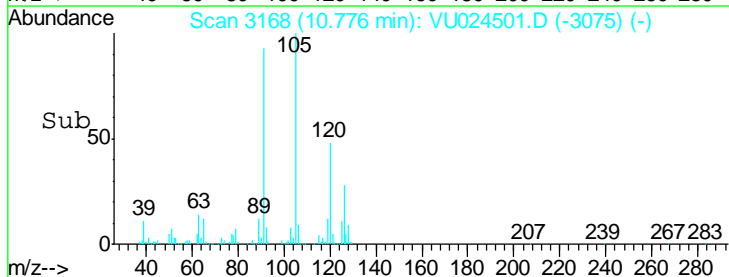
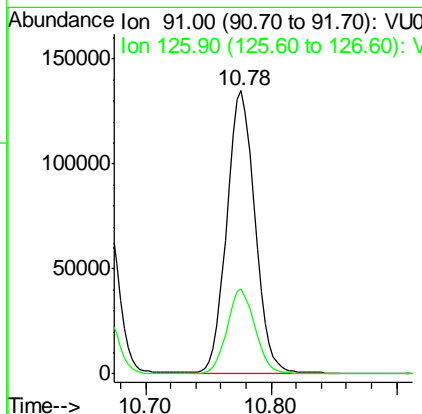
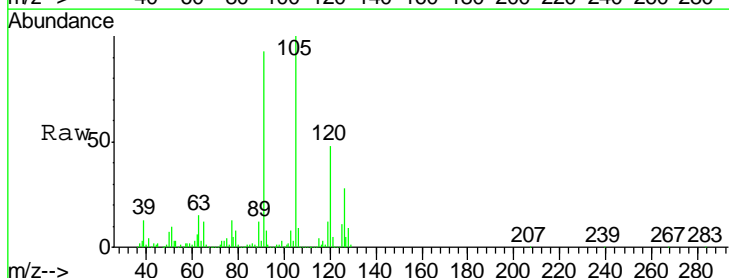
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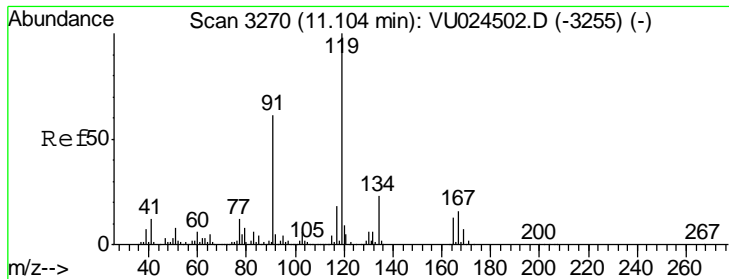
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#82
 4-Chlorotoluene
 Concen: 20.584 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
91	100		
126	30.1	14.9	44.9





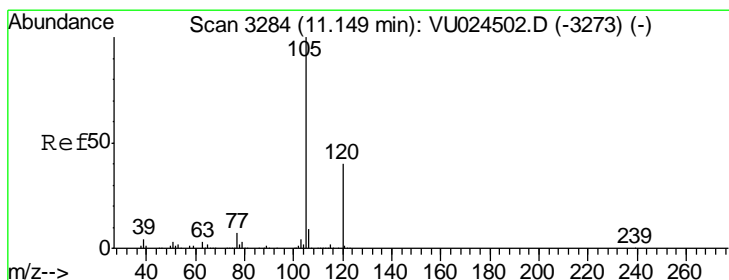
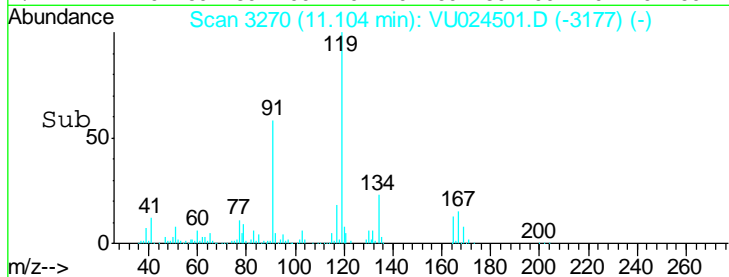
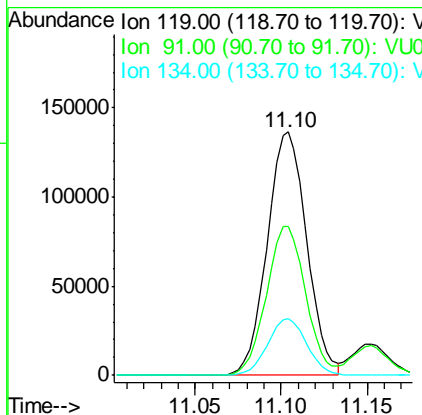
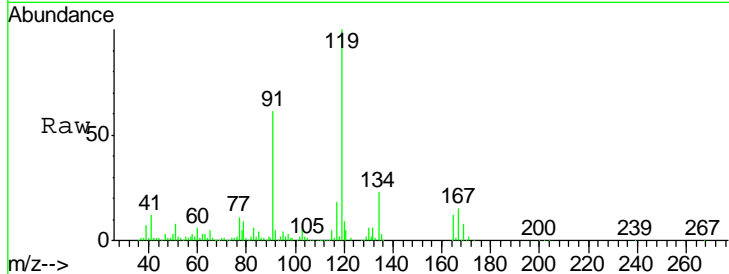
#83
 tert-Butylbenzene
 Concen: 22.561 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
119	217370		
91	60.8	29.7	89.1
134	22.9	11.6	34.7

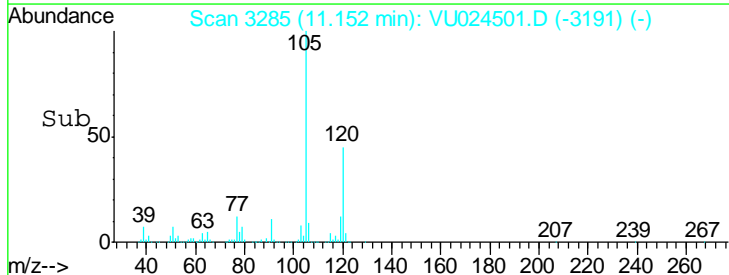
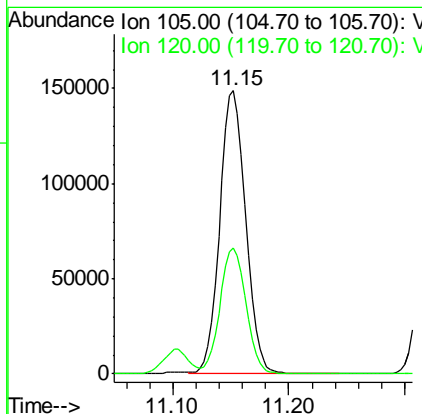
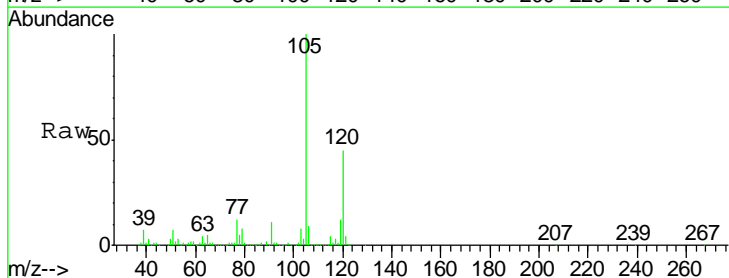
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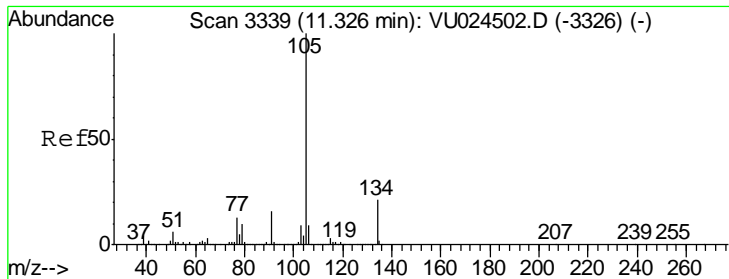
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.015 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

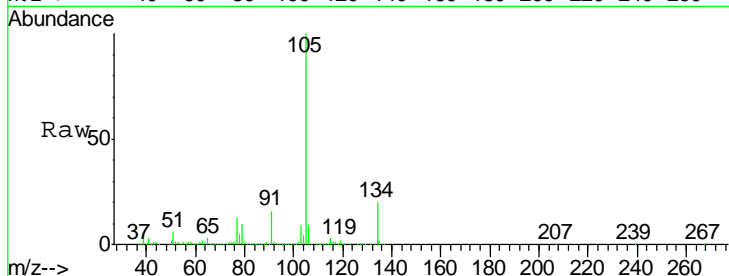
Tgt Ion	Resp	Lower	Upper
105	230190		
120	44.9	22.6	67.8





#85
 sec-Butylbenzene
 Concen: 22.681 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

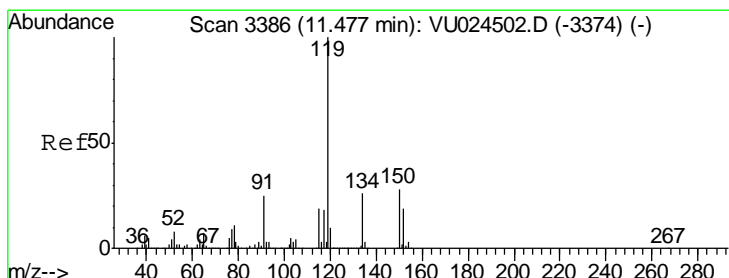
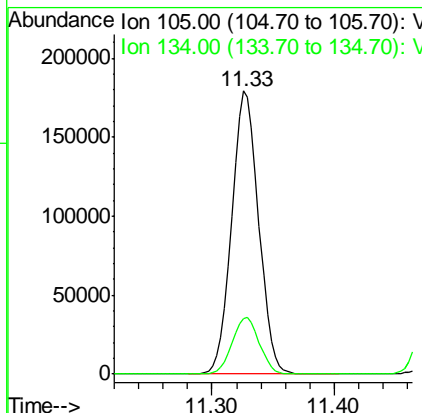
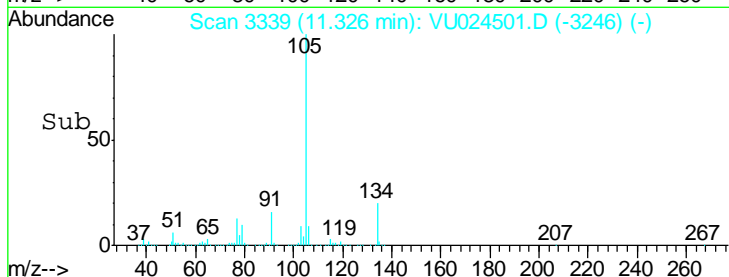
Instrument : MSVOA_U
 Client Sampled : VSTDIC020



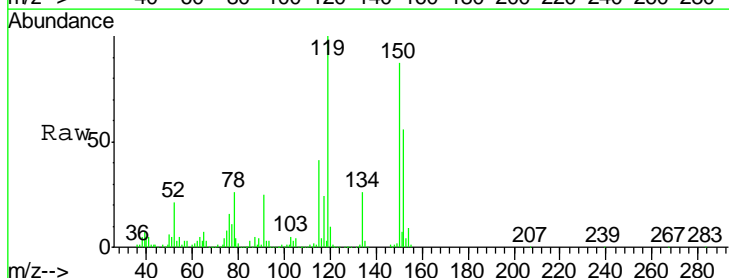
Tgt Ion: 105 Resp: 274368
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.7 29.1

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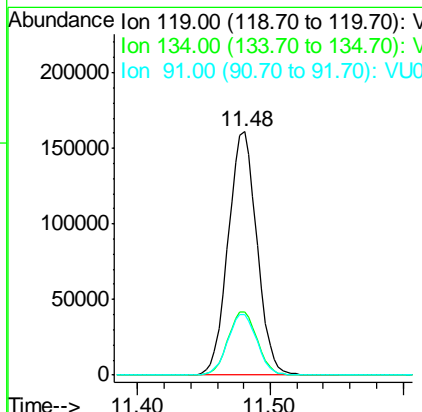
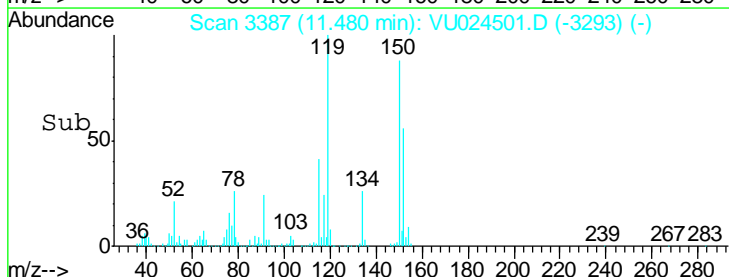
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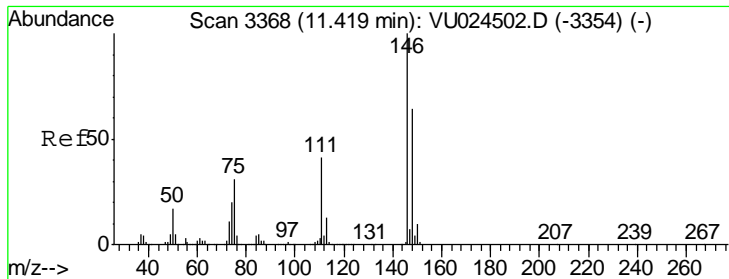


#86
 p-Isopropyltoluene
 Concen: 22.534 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



Tgt Ion: 119 Resp: 240901
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.9 38.6
 91 25.3 12.0 36.1





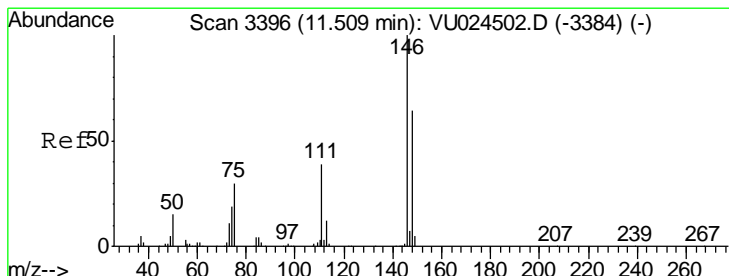
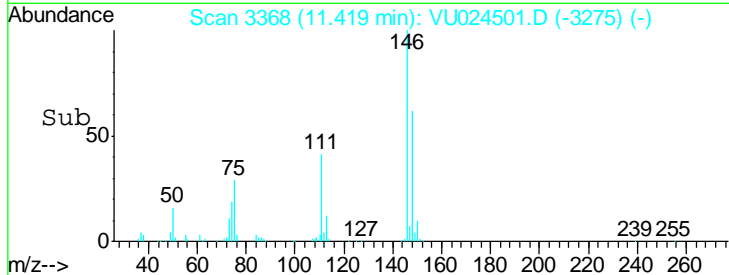
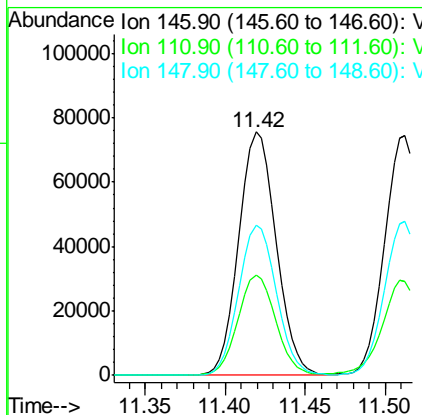
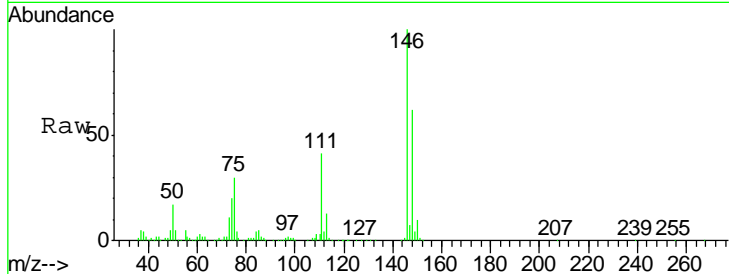
#87
 1,3-Dichlorobenzene
 Concen: 19.431 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	120700		
111	40.7	20.0	60.0
148	62.2	32.1	96.5

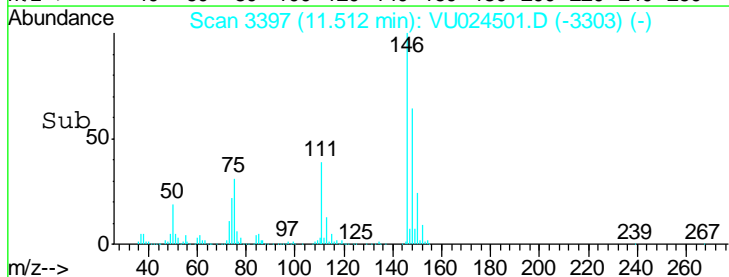
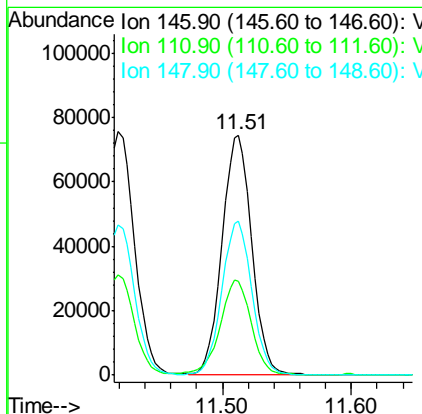
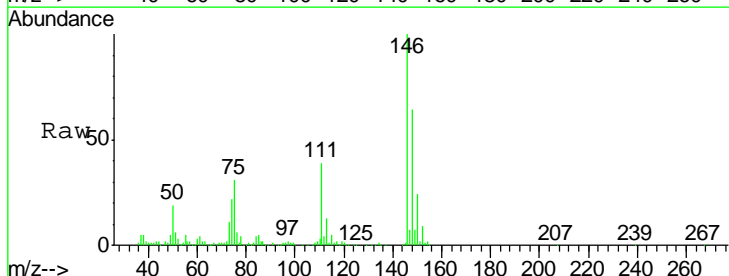
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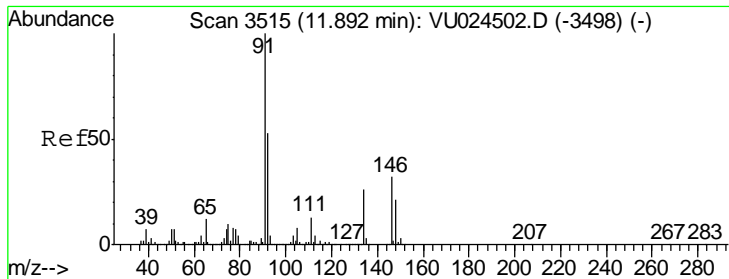
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#88
 1,4-Dichlorobenzene
 Concen: 18.335 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
146	119217		
111	40.7	19.5	58.5
148	64.5	32.4	97.0





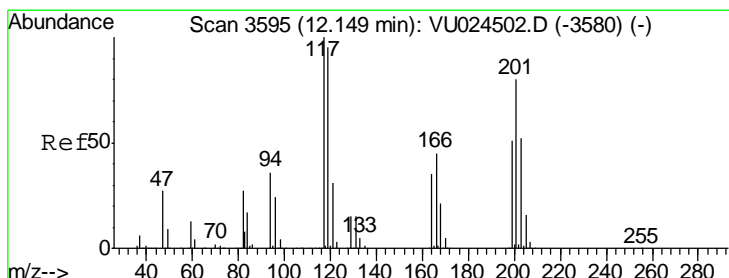
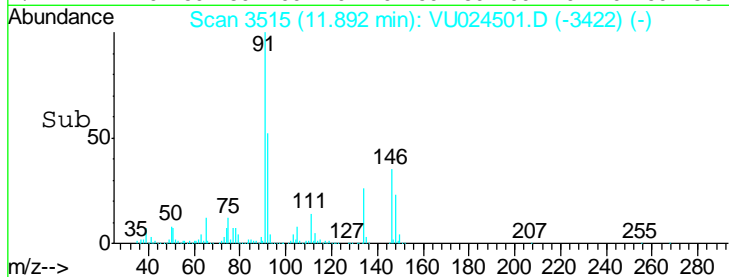
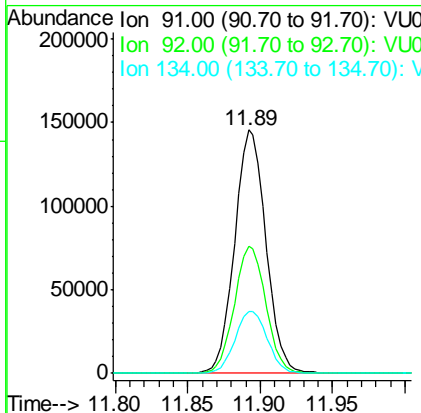
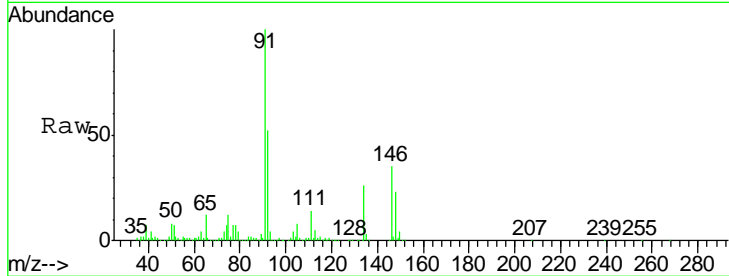
#89
 n-Butylbenzene
 Concen: 20.643 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
92	52.8	25.6	76.8
134	26.5	12.3	36.8

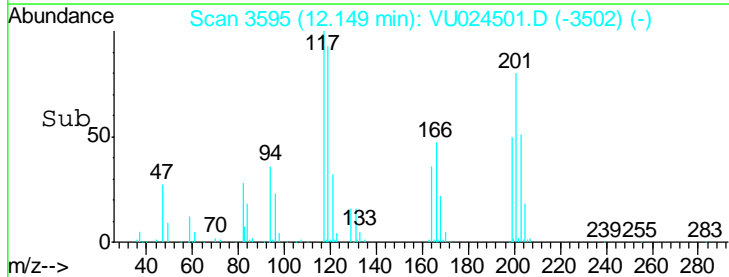
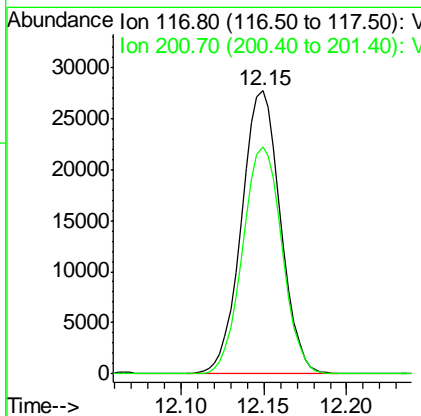
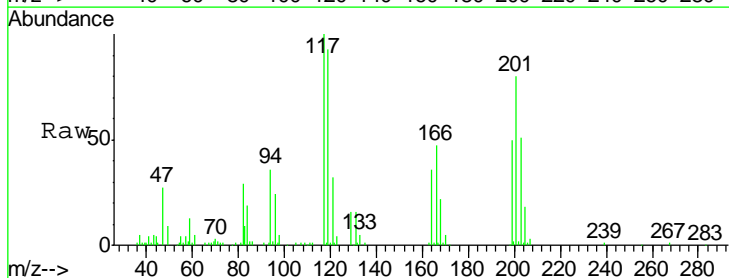
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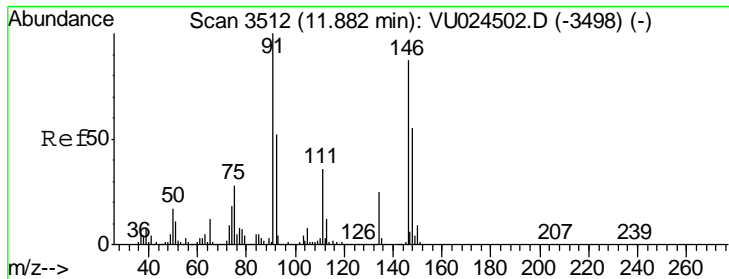
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#90
 Hexachloroethane
 Concen: 23.636 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
117	100		
201	81.1	41.1	123.3





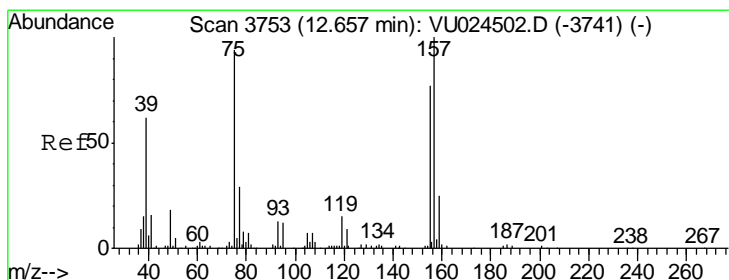
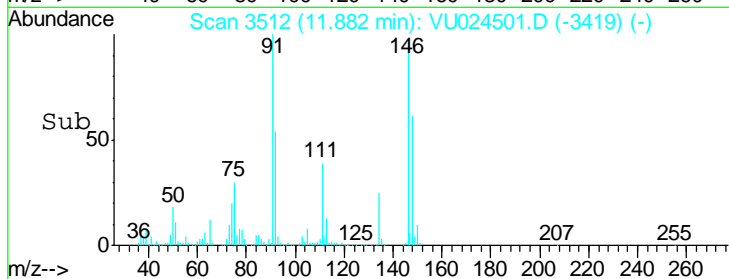
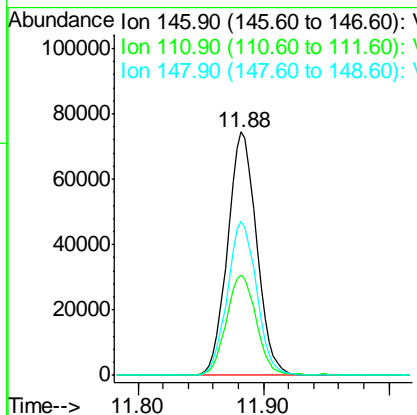
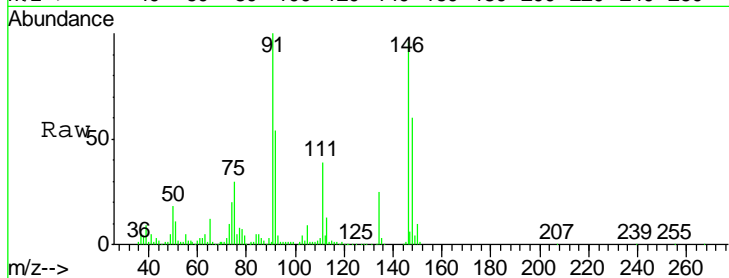
#91
 1,2-Dichlorobenzene
 Concen: 19.327 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	120049		
146	100		
111	41.4	20.5	61.6
148	63.5	31.9	95.7

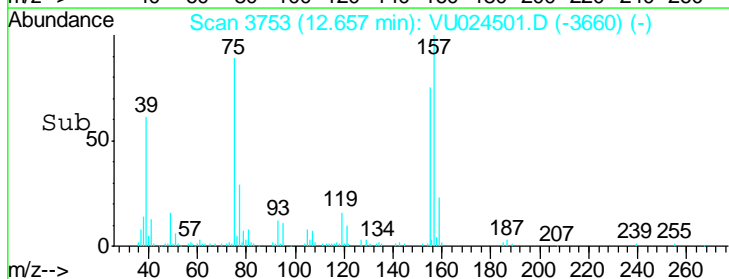
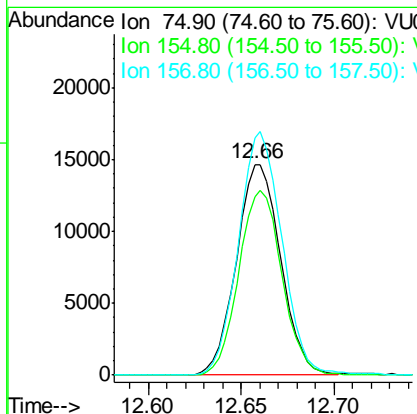
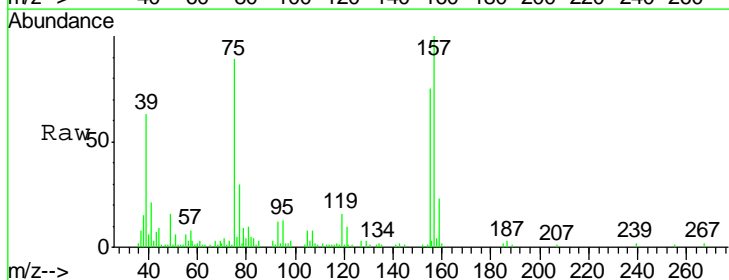
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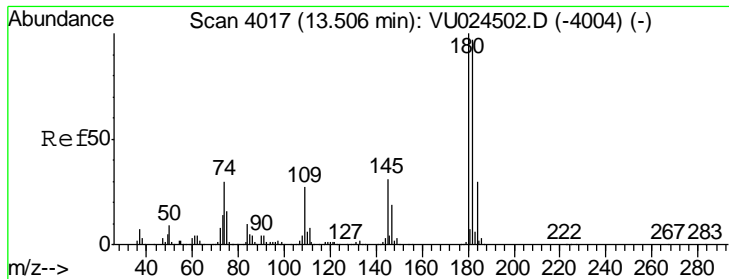
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.664 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Tgt Ion	Resp	Lower	Upper
75	24452		
75	100		
155	85.0	40.4	121.2
157	113.1	52.3	156.8





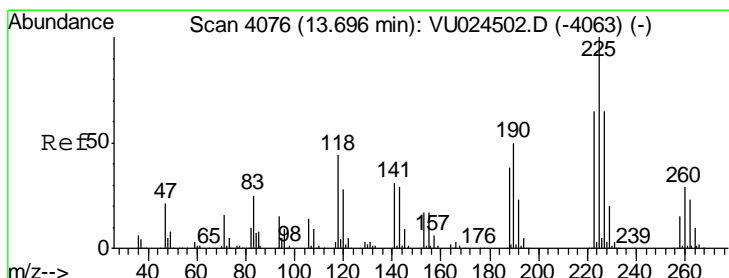
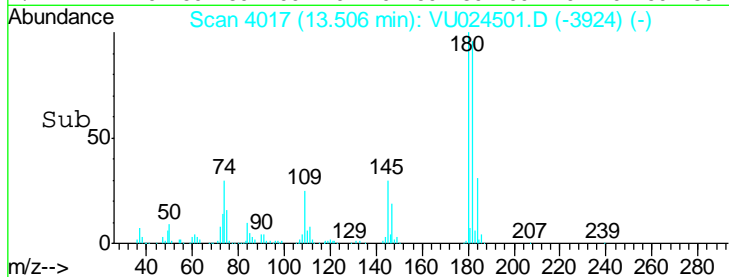
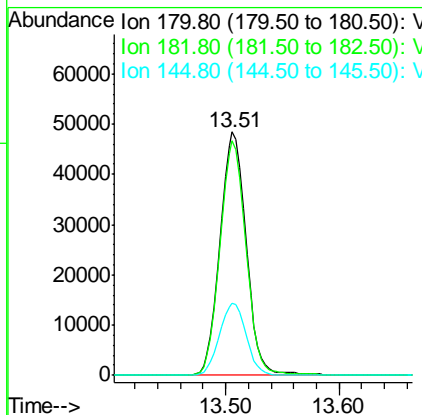
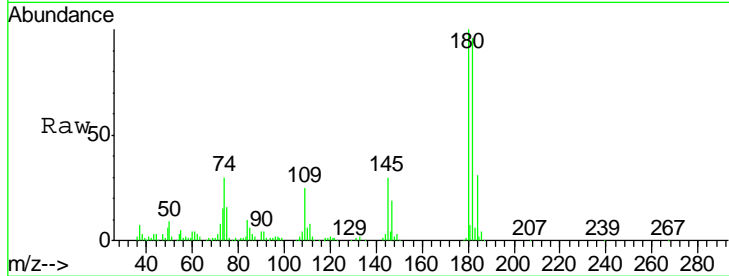
#93
 1,2,4-Trichlorobenzene
 Concen: 21.336 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.0	48.0	144.2
145	30.1	14.7	44.1

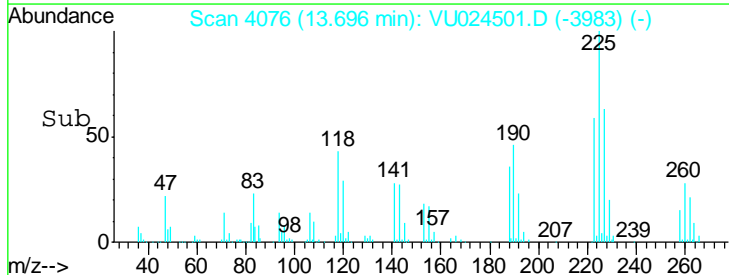
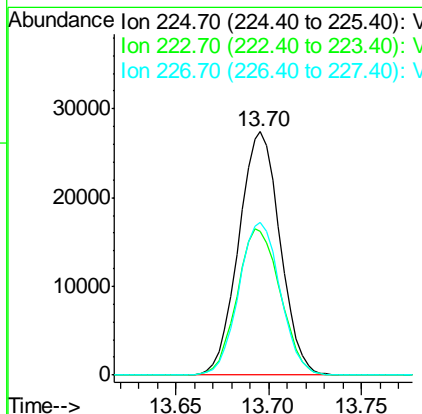
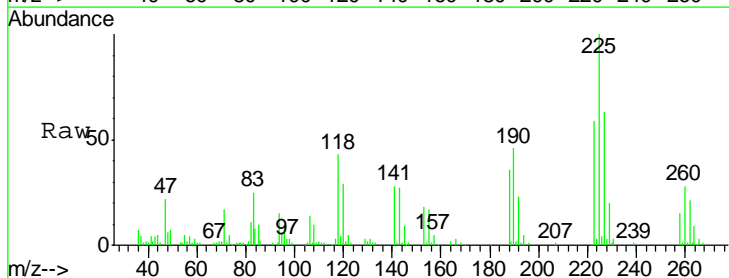
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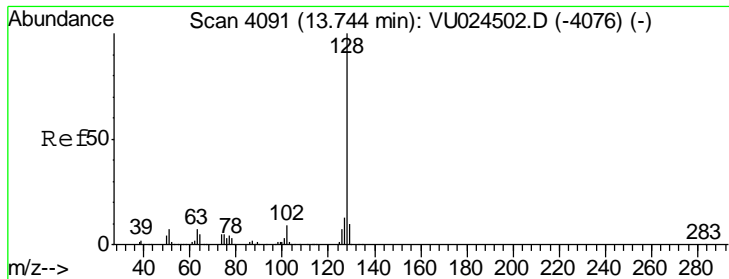
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#94
 Hexachlorobutadiene
 Concen: 19.439 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

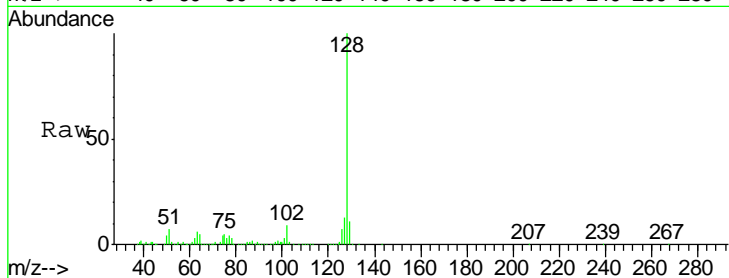
Tgt Ion	Resp	Lower	Upper
225	100		
223	62.4	31.3	93.8
227	62.9	31.8	95.4





#95
 Naphthalene
 Concen: 24.228 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19

Instrument : MSVOA_U
 ClientSampled : VSTDIC020

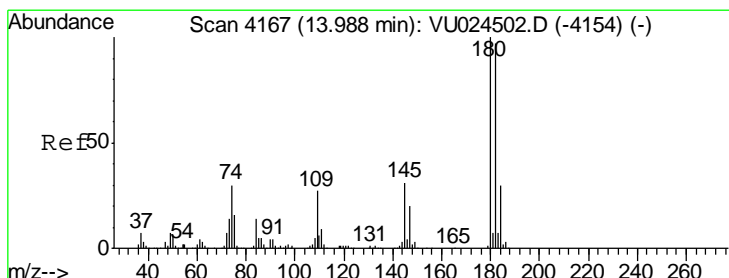
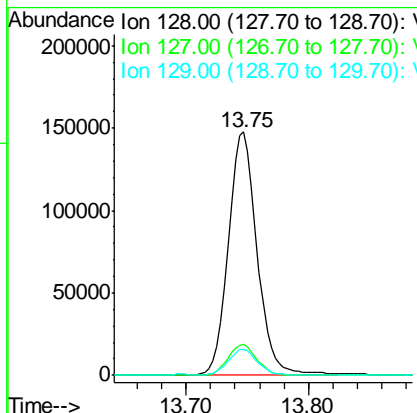
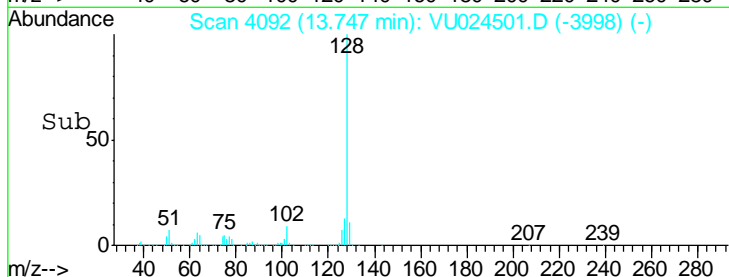


Tgt Ion:128 Resp: 243070

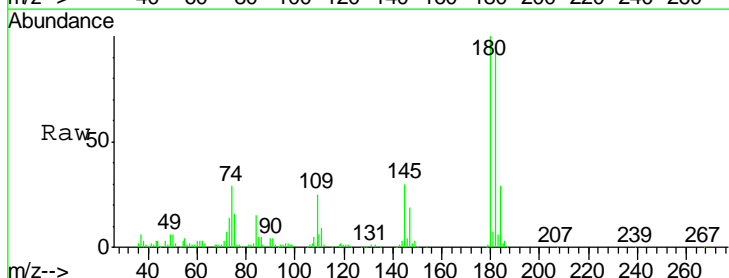
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	10.8	8.6	12.8

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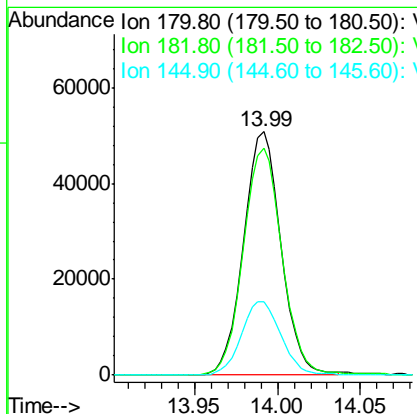
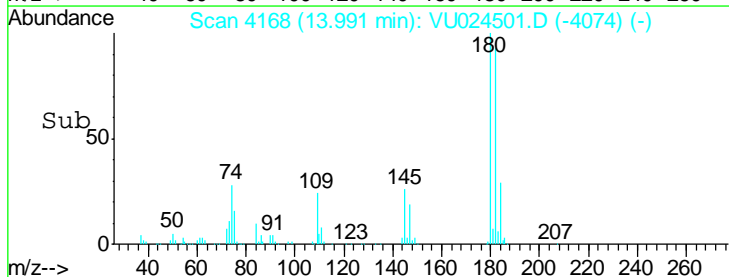


#96
 1,2,3-Trichlorobenzene
 Concen: 21.527 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU024501.D
 Acq: 13 Jun 2018 12:19



Tgt Ion:180 Resp: 79810

Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.9	143.7
145	32.1	15.4	46.1



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024502.D
 Acq On : 13 Jun 2018 12:42
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC050

Manual Integrations
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Quant Time: Jun 13 13:14:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	310178	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	293080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	173479	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	161489	41.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.42%	
35) Dibromofluoromethane	4.89	113	129809	40.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.50%	
50) Toluene-d8	7.57	98	474811	39.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.76%	
62) 4-Bromofluorobenzene	10.31	95	186247	42.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	119205	40.221	ug/l	100
3) Chloromethane	1.33	50	115836	33.542	ug/l	100
4) Vinyl Chloride	1.40	62	125686	32.692	ug/l	99
5) Bromomethane	1.62	94	63196	29.913	ug/l	99
6) Chloroethane	1.70	64	74429	28.620	ug/l	100
7) Trichlorofluoromethane	1.89	101	188535	36.113	ug/l	98
8) Diethyl Ether	2.10	74	71051	34.042	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	118208	40.677	ug/l	98
10) Methyl Iodide	2.41	142	101208	54.928	ug/l	99
11) Tert butyl alcohol	2.82	59	181996	247.463	ug/l	99
12) 1,1-Dichloroethene	2.28	96	111107	40.812	ug/l	94
13) Acrolein	2.19	56	98292	128.392	ug/l	98
14) Allyl chloride	2.60	41	197962	42.860	ug/l	97
15) Acrylonitrile	2.94	53	385728	196.369	ug/l	99
16) Acetone	2.32	43	406171	164.336	ug/l	98
17) Carbon Disulfide	2.48	76	348866	41.652	ug/l	99
18) Methyl Acetate	2.62	43	181427	36.937	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	413159	48.294	ug/l	97
20) Methylene Chloride	2.71	84	126543	37.260	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	119400	40.875	ug/l	97
22) Diisopropyl ether	3.57	45	402483	43.247	ug/l	96
23) Vinyl Acetate	3.53	43	1844627	269.686	ug/l	99
24) 1,1-Dichloroethane	3.45	63	234653	40.271	ug/l	99
25) 2-Butanone	4.26	43	588419	199.093	ug/l	97
26) 2,2-Dichloropropane	4.23	77	218039	49.081	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	138036	43.488	ug/l	98
28) Bromochloromethane	4.55	49	110186	51.637	ug/l	89
29) Tetrahydrofuran	4.64	42	350425	207.771	ug/l	97
30) Chloroform	4.68	83	235405	39.873	ug/l	100
31) Cyclohexane	5.00	56	216825	37.523	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	213406	44.943	ug/l	96
36) 1,1-Dichloropropene	5.14	75	176568	39.889	ug/l	99
37) Ethyl Acetate	4.38	43	210491	42.412	ug/l	98
38) Carbon Tetrachloride	5.14	117	197238	46.794	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024502.D
 Acq On : 13 Jun 2018 12:42
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC050

Manual Integrations
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MMDadoda
 6/14/2018 9:44:32 AM

Quant Time: Jun 13 13:14:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	219420	45.879	ug/l	96
40) Benzene	5.39	78	514215	38.541	ug/l	100
41) Methacrylonitrile	4.54	41	113791	40.911	ug/l	99
42) 1,2-Dichloroethane	5.41	62	194589	38.082	ug/l	100
43) Isopropyl Acetate	5.55	43	334721	44.283	ug/l	97
44) Trichloroethene	6.19	130	141749	40.775	ug/l	97
45) 1,2-Dichloropropane	6.44	63	137232	38.272	ug/l	99
46) Dibromomethane	6.56	93	98191	41.363	ug/l	99
47) Bromodichloromethane	6.76	83	190225	41.418	ug/l	98
48) Methyl methacrylate	6.63	41	166426	44.913	ug/l	100
49) 1,4-Dioxane	6.61	88	60387	772.457	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1064211	195.149	ug/l	99
52) Toluene	7.64	92	327004	41.299	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	218750	45.800	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	228784	43.901	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	128888	37.943	ug/l	99
56) Ethyl methacrylate	8.02	69	221680	50.073	ug/l	99
57) 1,3-Dichloropropane	8.25	76	223970	38.394	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	442436	194.311	ug/l	96
59) 2-Hexanone	8.36	43	855730	196.135	ug/l	100
60) Dibromochloromethane	8.48	129	162447	47.132	ug/l	100
61) 1,2-Dibromoethane	8.59	107	146257	41.166	ug/l	99
64) Tetrachloroethene	8.23	164	139511	47.884	ug/l	99
65) Chlorobenzene	9.12	112	368774	43.237	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	138316	47.247	ug/l	98
67) Ethyl Benzene	9.25	91	644129	46.839	ug/l	97
68) m/p-Xylenes	9.38	106	494852	94.464	ug/l	98
69) o-Xylene	9.78	106	242084	50.135	ug/l	97
70) Styrene	9.80	104	404963	49.257	ug/l	98
71) Bromoform	9.96	173	130235	51.541	ug/l #	99
73) Isopropylbenzene	10.17	105	651781	54.498	ug/l	98
74) N-amyl acetate	10.01	43	310354	57.330	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	211831	40.836	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	188385m	51.774	ug/l	
77) Bromobenzene	10.45	156	165582	49.999	ug/l	97
78) n-propylbenzene	10.59	91	772923	52.128	ug/l	97
79) 2-Chlorotoluene	10.66	91	448992	49.888	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	556275	54.846	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	80572m	46.976	ug/l	
82) 4-Chlorotoluene	10.78	91	529463	50.707	ug/l	99
83) tert-Butylbenzene	11.10	119	538380	54.531	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	577535	56.350	ug/l	100
85) sec-Butylbenzene	11.33	105	681754	54.999	ug/l	97
86) p-Isopropyltoluene	11.48	119	606761	55.387	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	304794	47.885	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	306820	46.048	ug/l	99
89) n-Butylbenzene	11.89	91	558562	51.818	ug/l	97
90) Hexachloroethane	12.15	117	115428	58.775	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	302359	47.504	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	62519	59.045	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024502.D
 Acq On : 13 Jun 2018 12:42
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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MMDadoda
 6/14/2018 9:44:32 AM

Quant Time: Jun 13 13:14:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	211618	56.286	ug/l	99
94) Hexachlorobutadiene	13.70	225	107429	48.104	ug/l	99
95) Naphthalene	13.74	128	654365	63.651	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	213108	56.094	ug/l	99

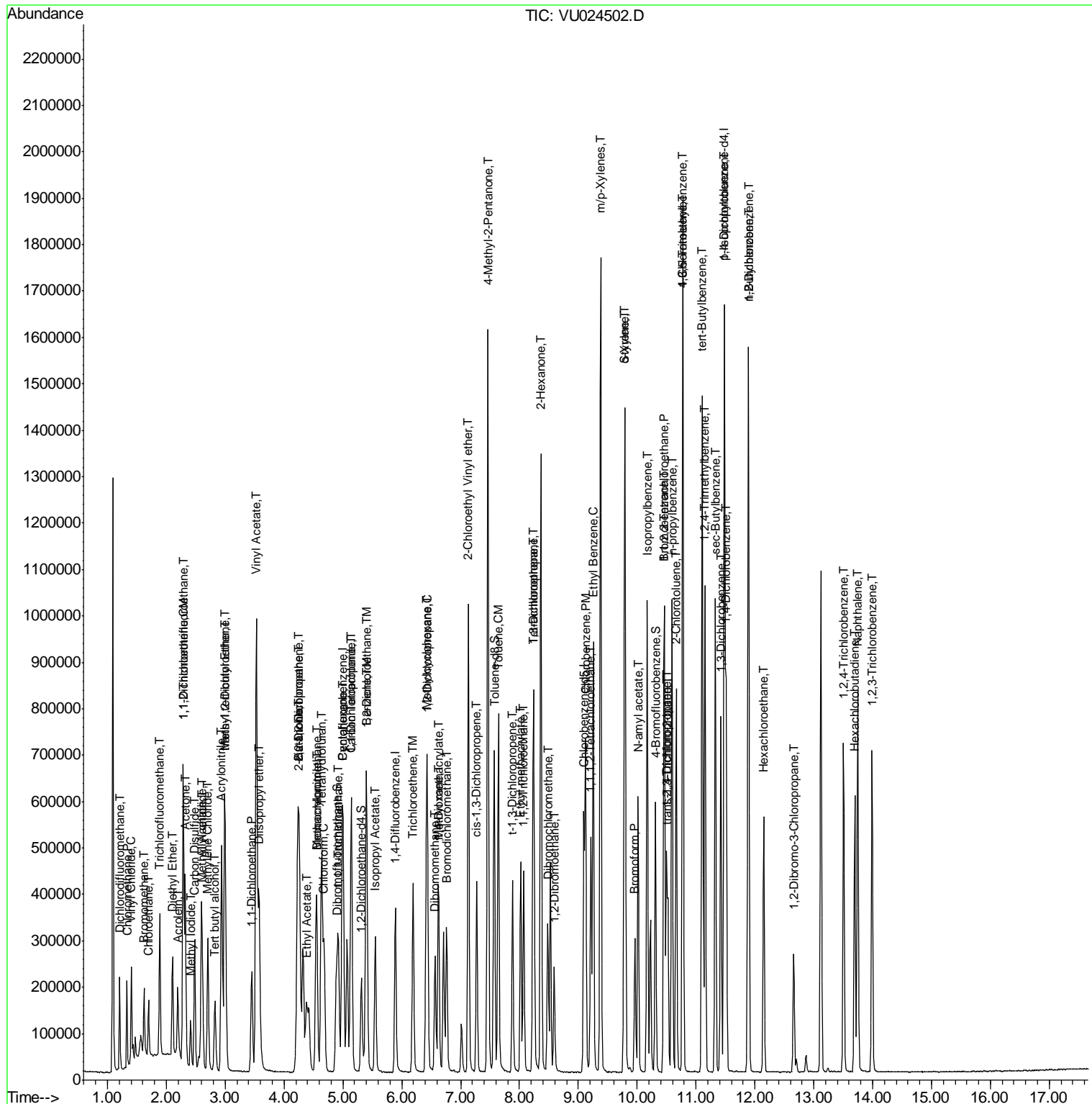
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
Data File : VU024502.D
Acq On : 13 Jun 2018 12:42
Operator : MD/SY
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

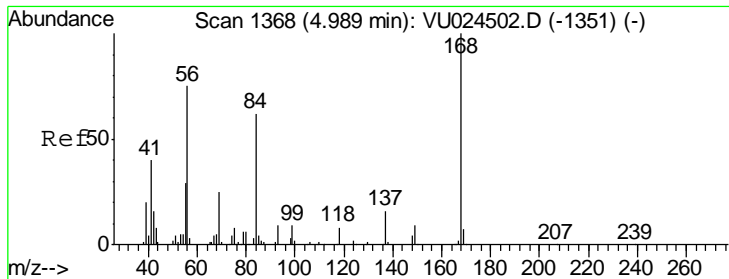
Instrument :
MSVOA_U
Client Sampled :
VSTDICCC050

Manual Integrations
APPROVED
MMDadoda
6/14/2018 9:44:32 AM

Quant Time: Jun 13 13:14:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:03:59 2018
Response via : Initial Calibration

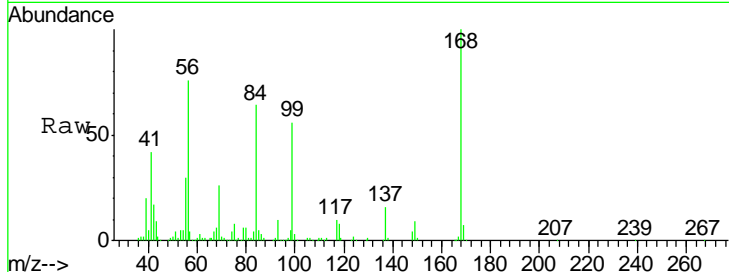


- 1
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- 7
- 8
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- 10
- 11
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- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

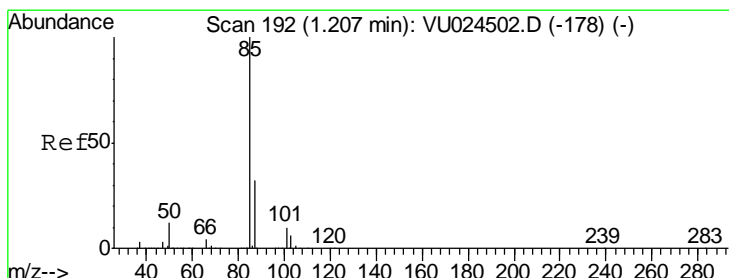
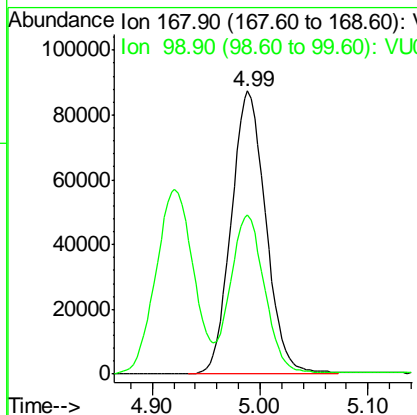
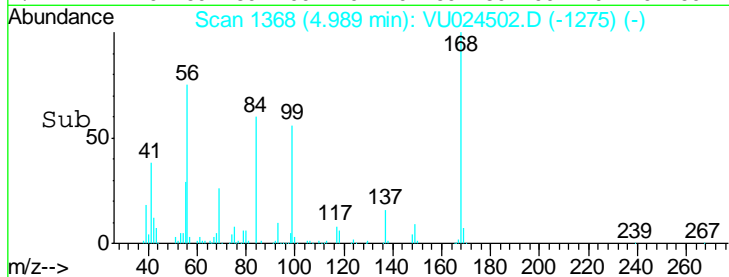
Instrument :
 MSVOA_U
 Client Sampled :
 VSTDICCC050



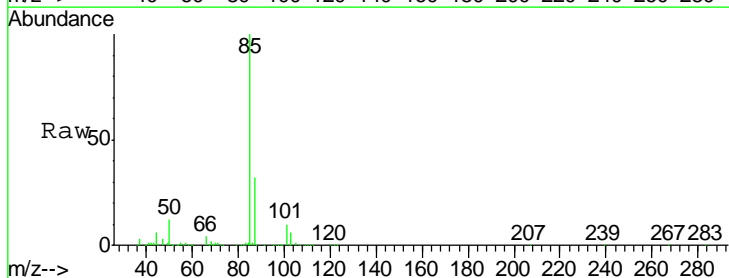
Tgt Ion: 168 Resp: 195529
 Ion Ratio Lower Upper
 168 100
 99 55.6 43.2 64.8

Manual Integrations
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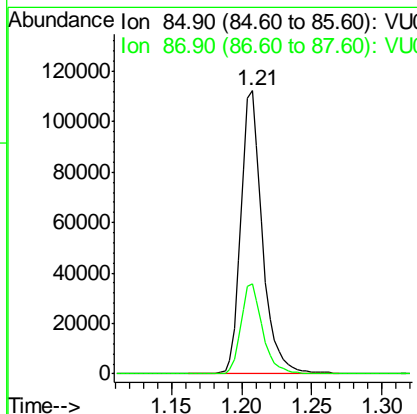
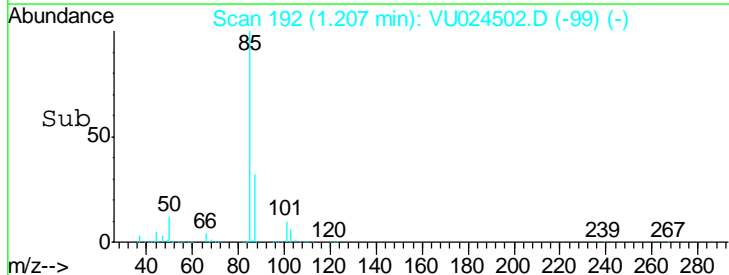
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 6/14/2018 9:44:32 AM

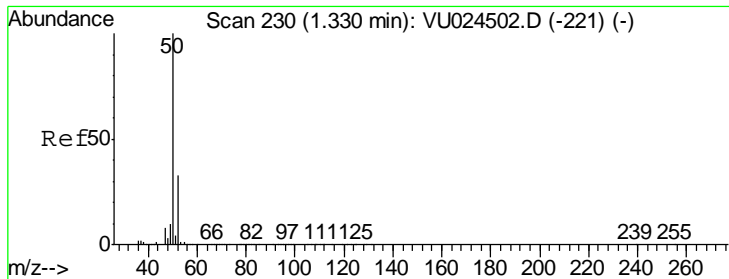


#2
 Dichlorodifluoromethane
 Concen: 40.221 ug/l
 RT: 1.21 min Scan# 192
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 85 Resp: 119205
 Ion Ratio Lower Upper
 85 100
 87 32.1 16.1 48.2





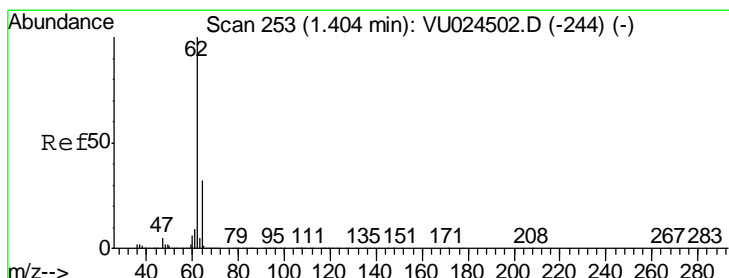
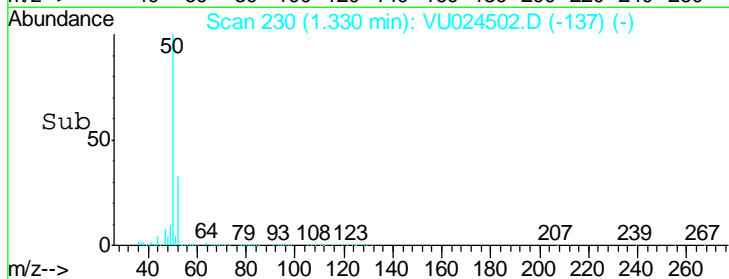
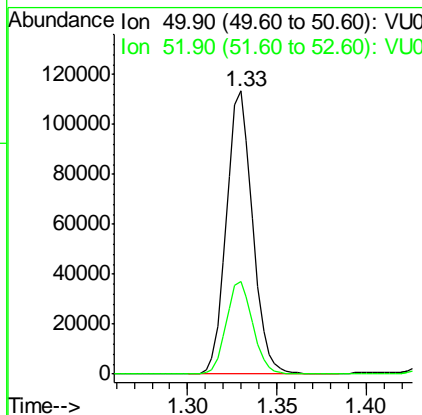
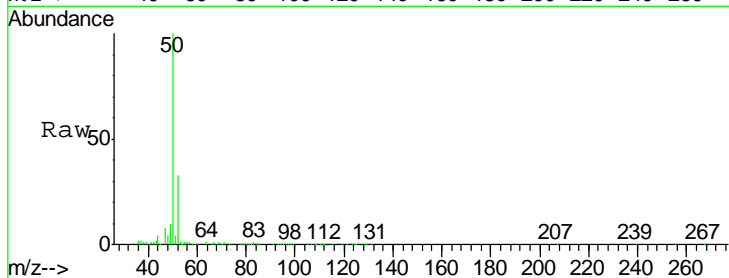
#3
 Chloromethane
 Concen: 33.542 ug/l
 RT: 1.33 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
50	115836		
52	32.8	26.4	39.6

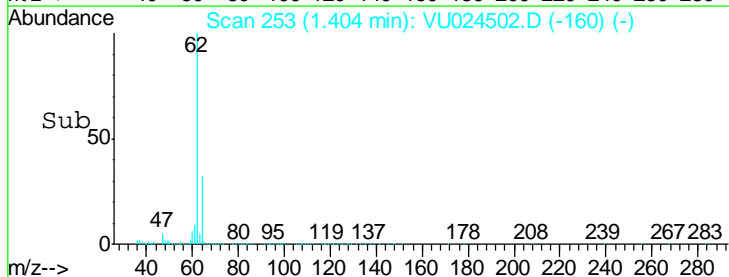
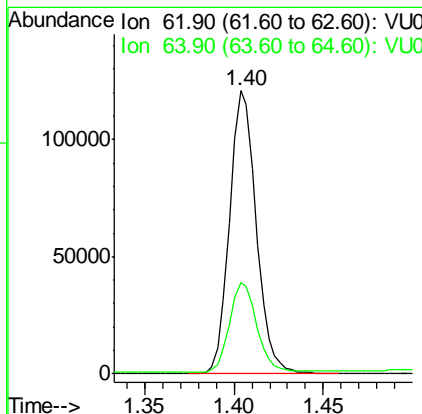
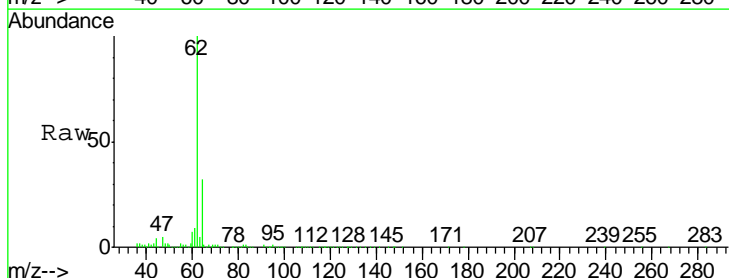
Manual Integrations
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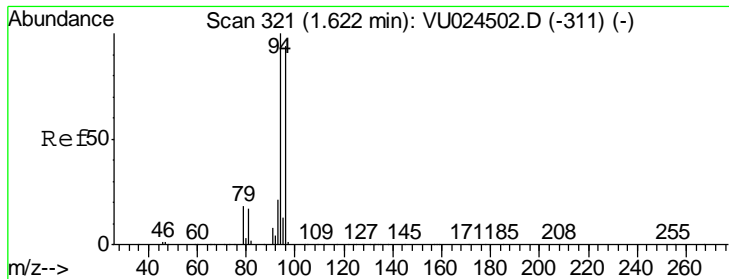
MMDadoda
 6/14/2018 9:44:32 AM



#4
 Vinyl Chloride
 Concen: 32.692 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
62	125686		
64	31.6	24.8	37.2



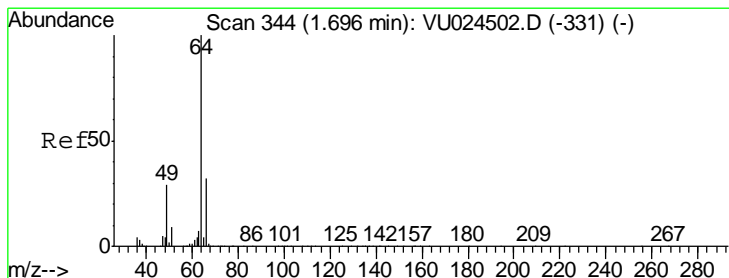
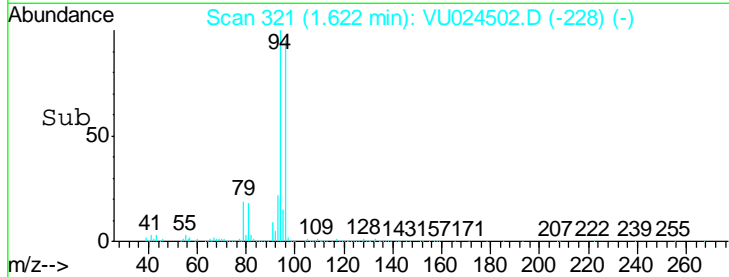
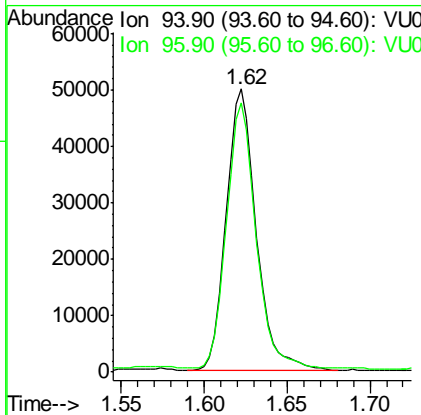
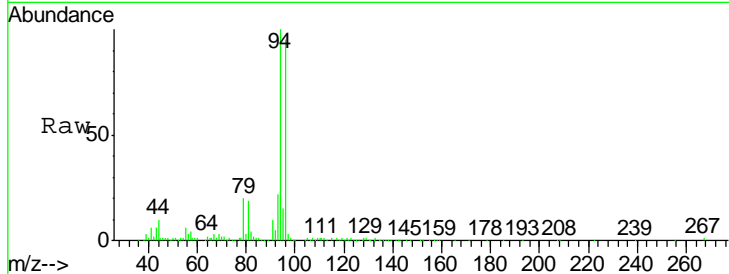


#5
 Bromomethane
 Concen: 29.913 ug/l
 RT: 1.62 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
94	63196		
96	94.1	74.5	111.7

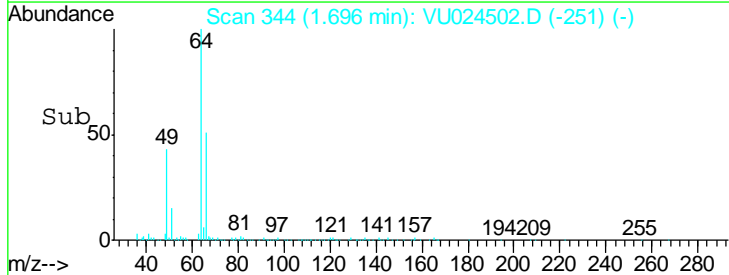
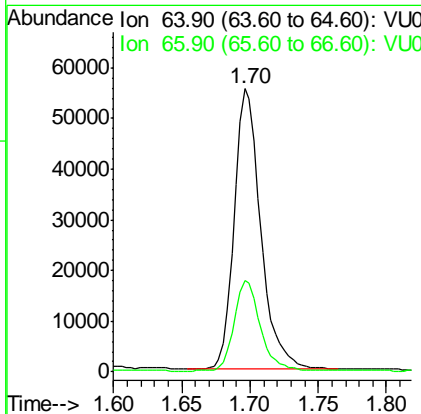
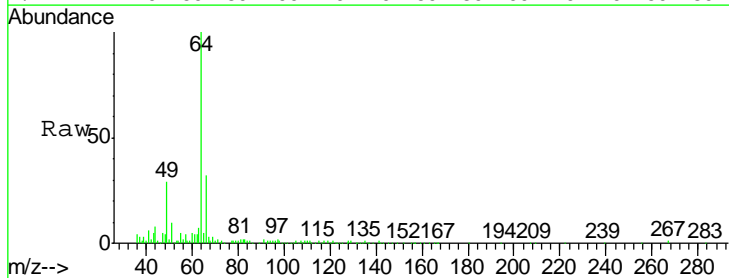
Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

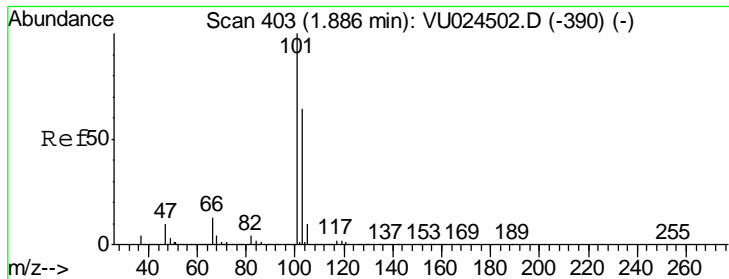
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 6/14/2018 9:44:32 AM



#6
 Chloroethane
 Concen: 28.620 ug/l
 RT: 1.70 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
64	74429		
66	32.1	25.5	38.3





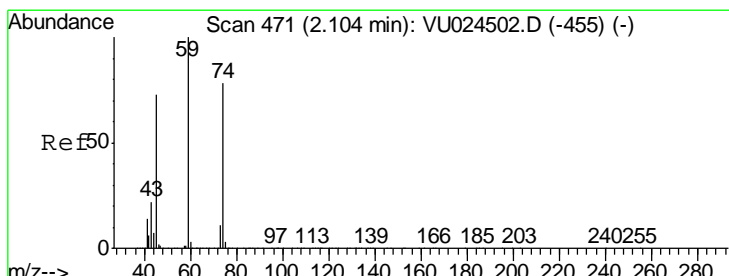
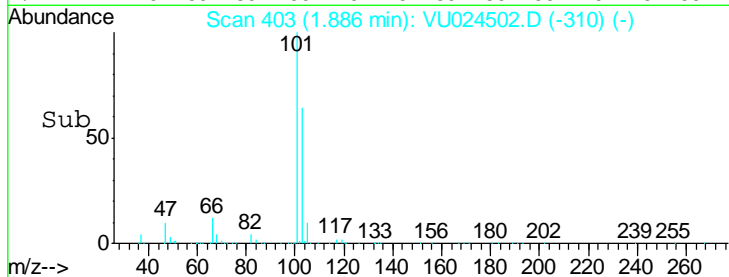
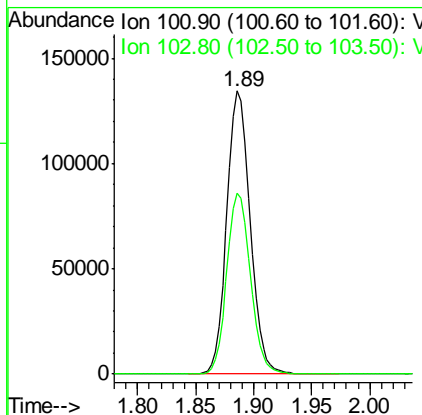
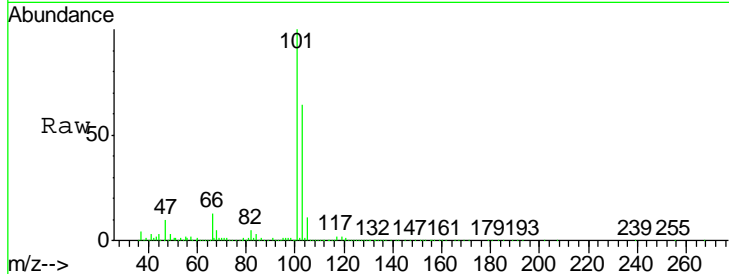
#7
 Trichlorofluoromethane
 Concen: 36.113 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
101	188535		
103	64.1	52.3	78.5

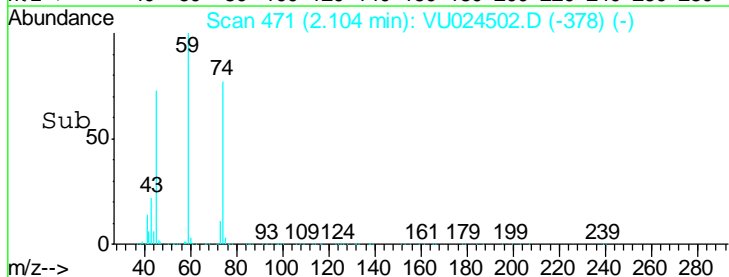
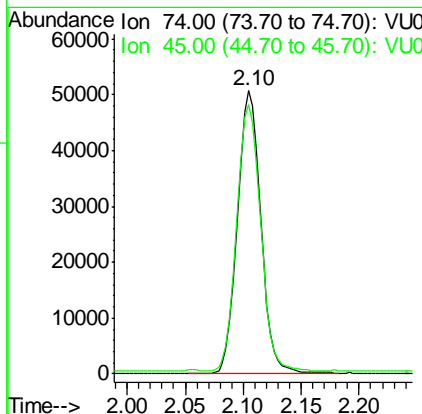
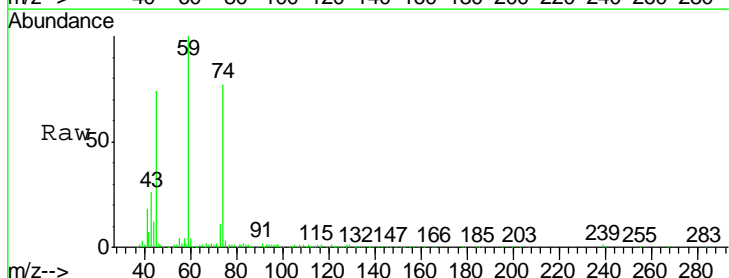
Manual Integrations
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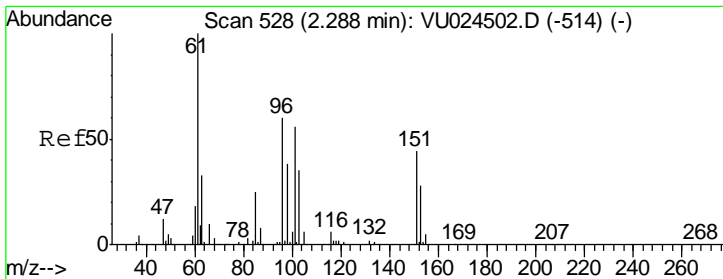
MMDadoda
 6/14/2018 9:44:32 AM



#8
 Diethyl Ether
 Concen: 34.042 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

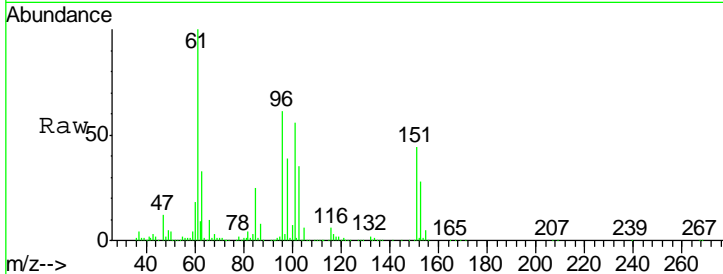
Tgt Ion	Resp	Lower	Upper
74	71051		
45	95.1	55.0	165.0





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 40.677 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

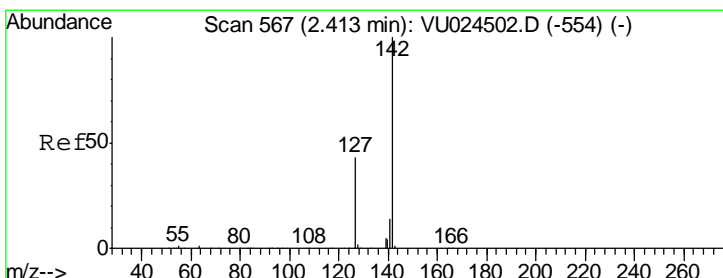
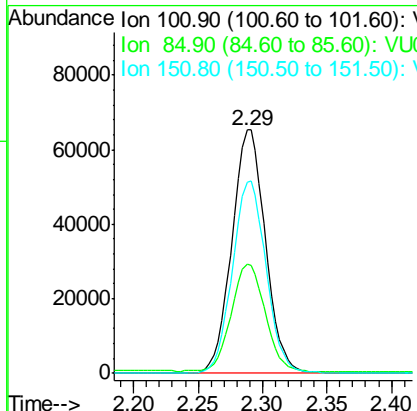
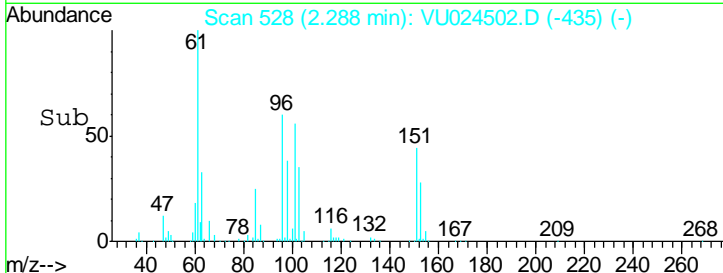


Tgt Ion: 101 Resp: 118208

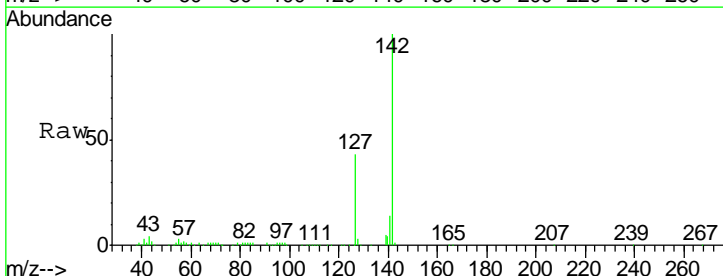
Ion	Ratio	Lower	Upper
101	100		
85	44.1	36.0	54.0
151	79.3	62.3	93.5

Manual Integrations
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 6/14/2018 9:44:32 AM

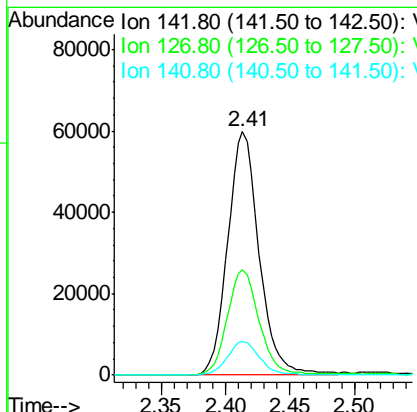
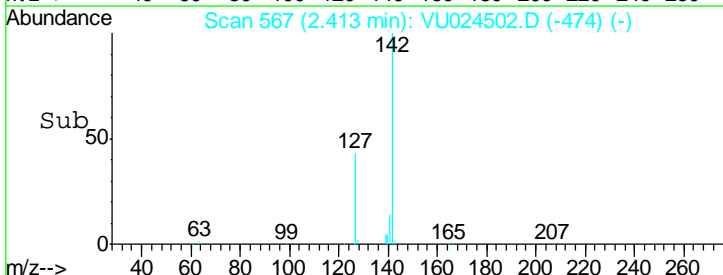


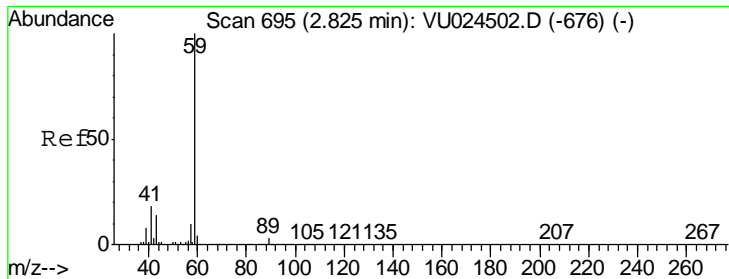
#10
 Methyl Iodide
 Concen: 54.928 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 142 Resp: 101208

Ion	Ratio	Lower	Upper
142	100		
127	43.8	35.6	53.4
141	14.3	11.7	17.5





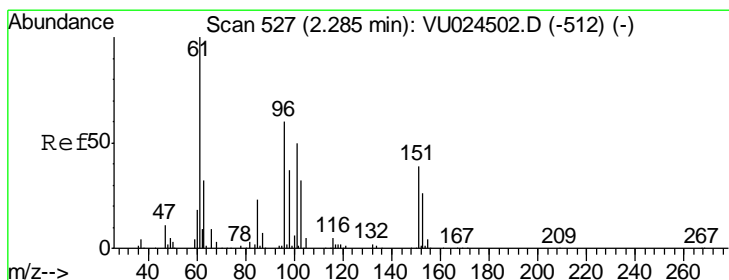
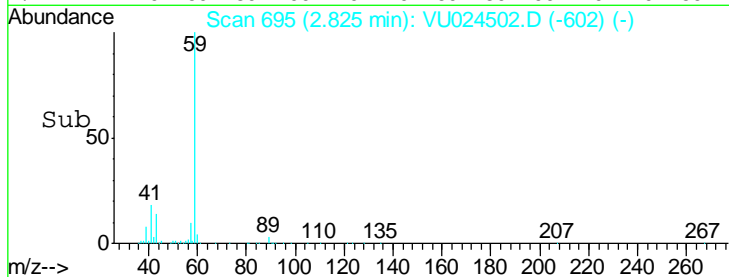
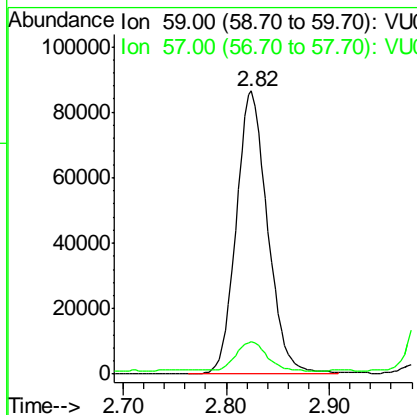
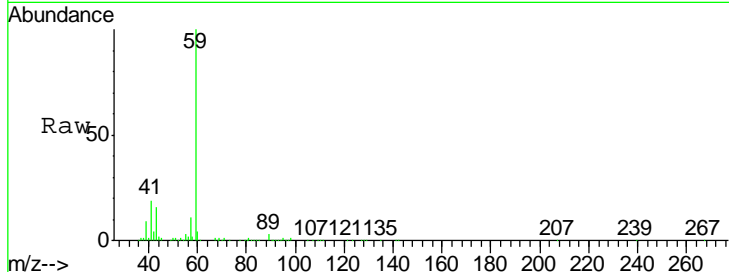
#11
 Tert butyl alcohol
 Concen: 247.463 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
59	181996		
57	10.1	8.5	12.7

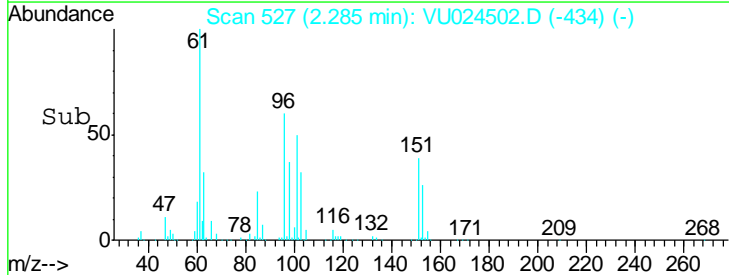
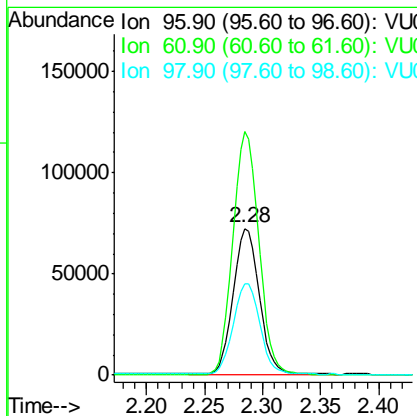
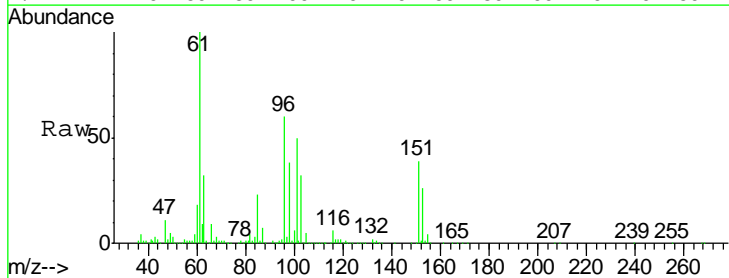
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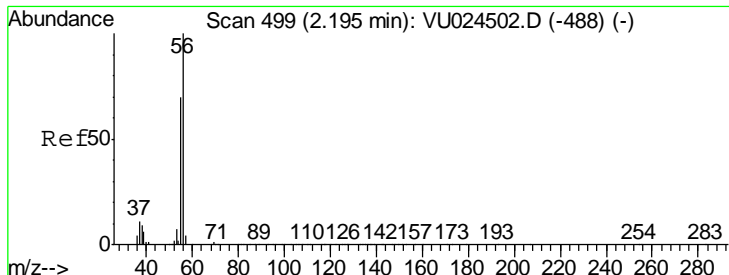
MMDadoda
 6/14/2018 9:44:32 AM



#12
 1,1-Dichloroethene
 Concen: 40.812 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
96	111107		
61	167.3	141.7	212.5
98	62.3	51.6	77.4





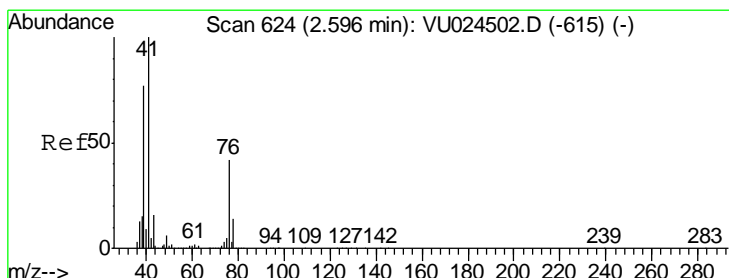
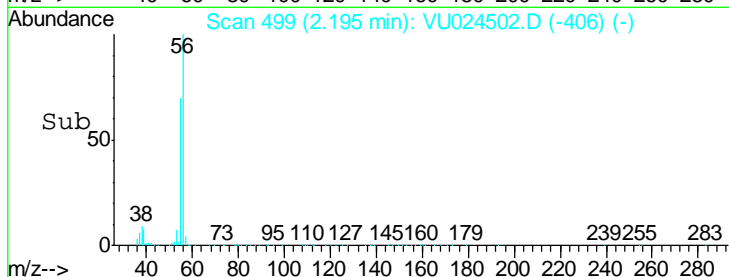
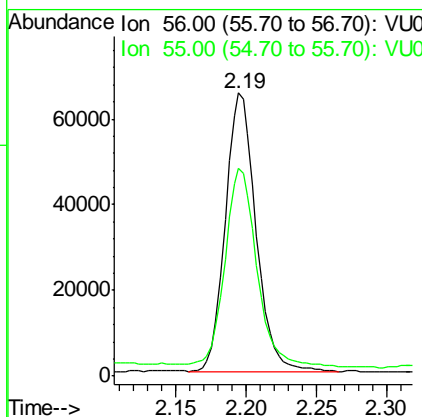
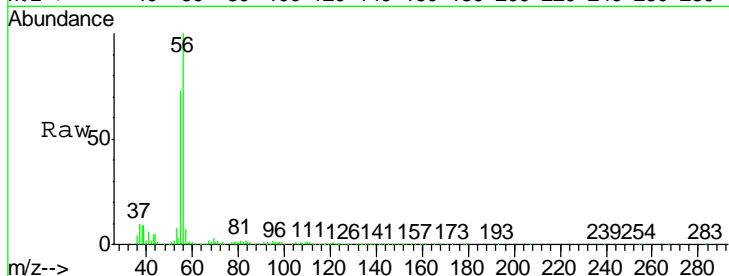
#13
 Acrolein
 Concen: 128.392 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	98292		
55	75.0	58.4	87.6

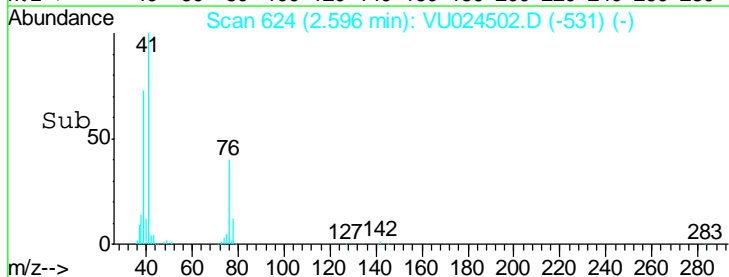
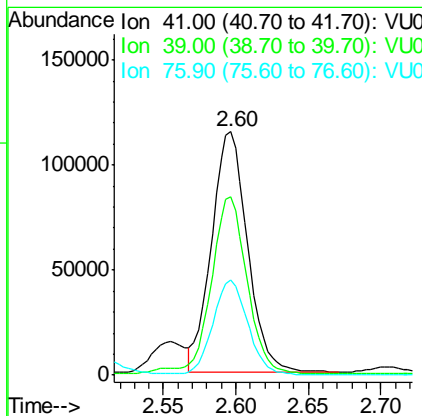
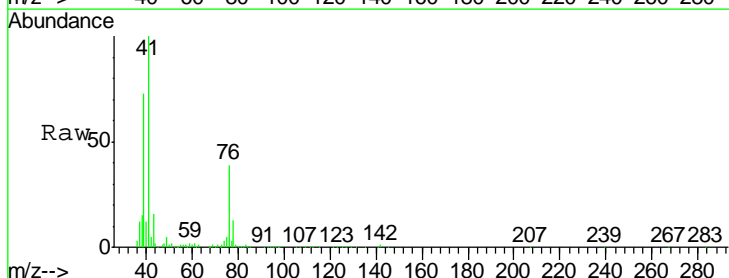
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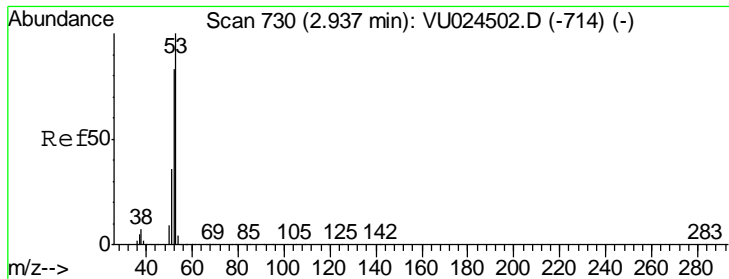
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#14
 Allyl chloride
 Concen: 42.860 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
41	197962		
39	73.9	61.6	92.4
76	38.2	29.7	44.5





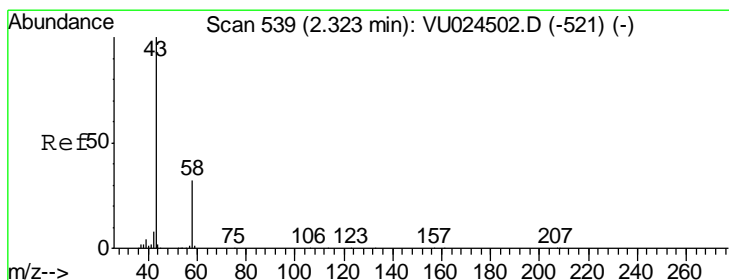
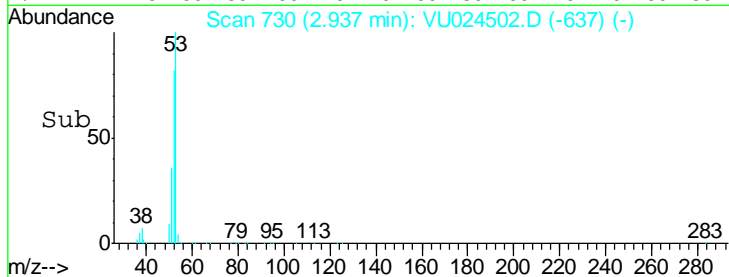
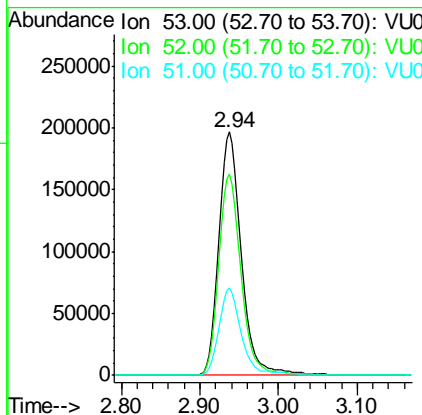
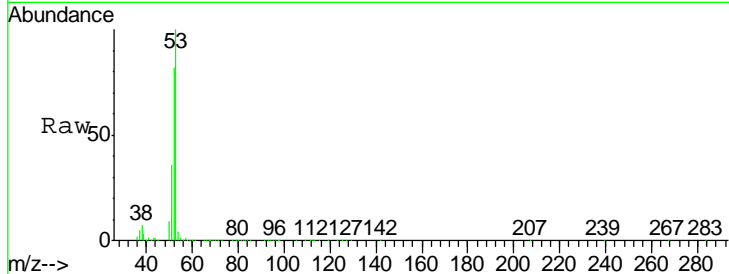
#15
 Acrylonitrile
 Concen: 196.369 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.6	67.1	100.7
51	35.7	28.4	42.6

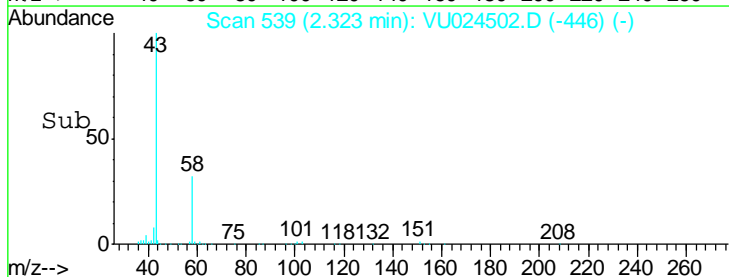
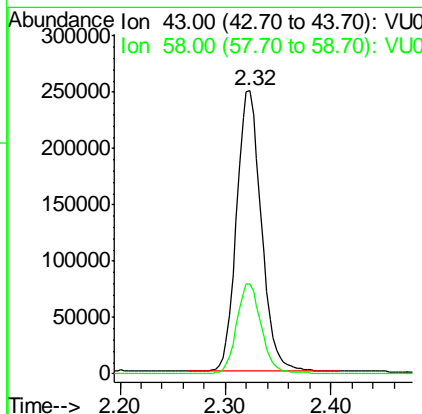
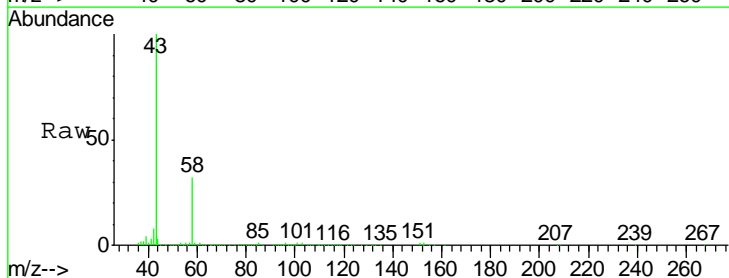
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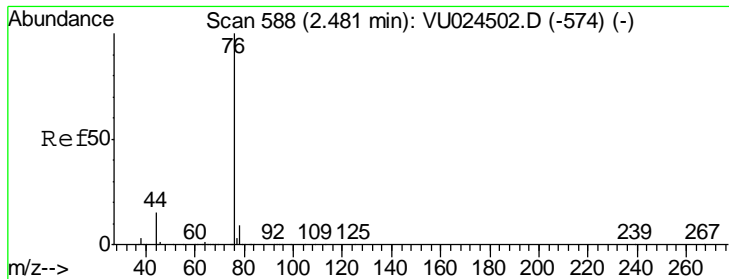
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#16
 Acetone
 Concen: 164.336 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

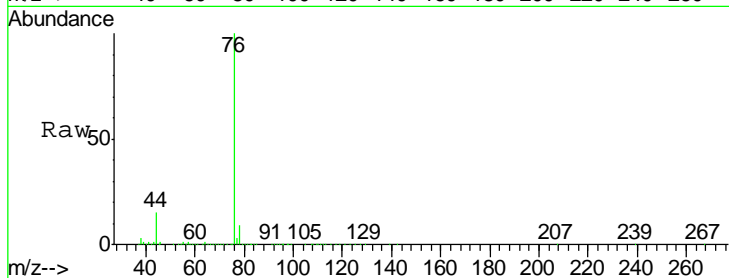
Tgt Ion	Resp	Lower	Upper
43	100		
58	31.8	24.4	36.6





#17
 Carbon Disulfide
 Concen: 41.652 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

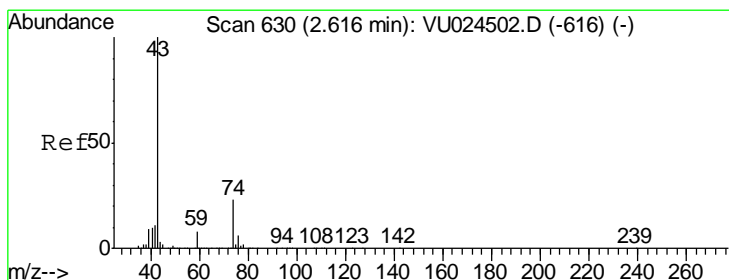
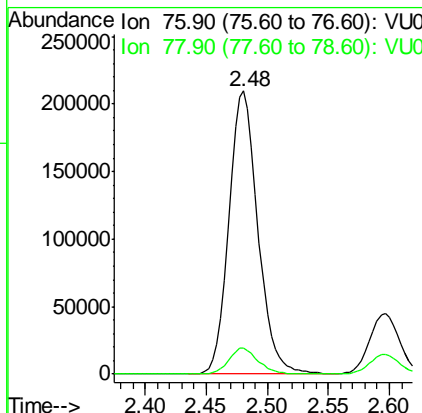
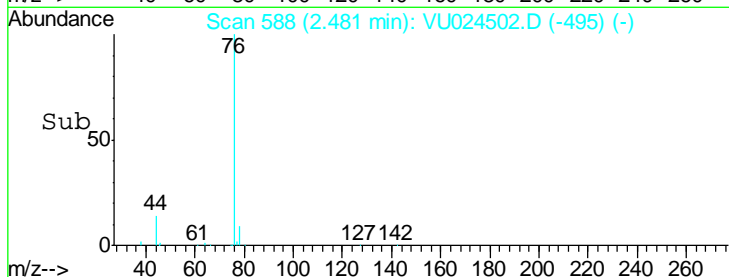
Instrument : MSVOA_U
 Client Sampled : VSTDICCC050



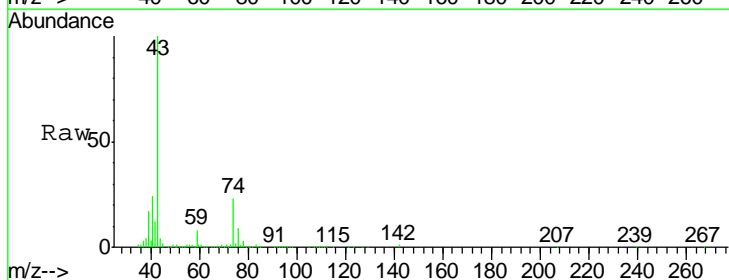
Tgt Ion: 76 Resp: 348866
 Ion Ratio Lower Upper
 76 100
 78 9.2 7.1 10.7

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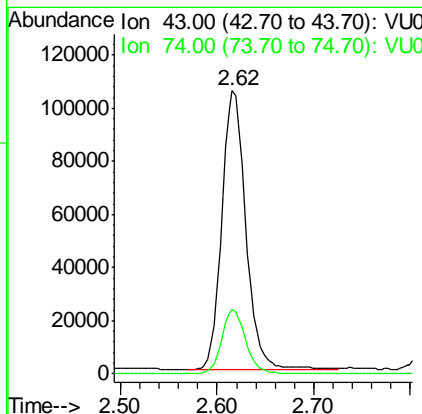
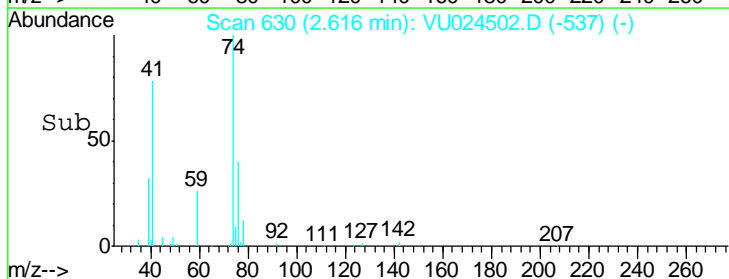
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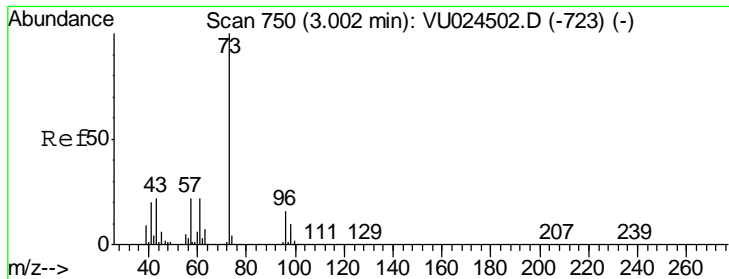


#18
 Methyl Acetate
 Concen: 36.937 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 43 Resp: 181427
 Ion Ratio Lower Upper
 43 100
 74 23.2 18.0 27.0



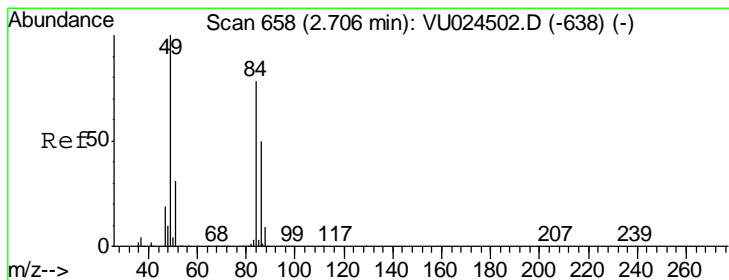
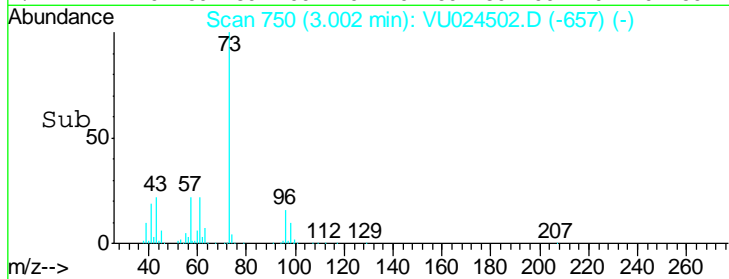
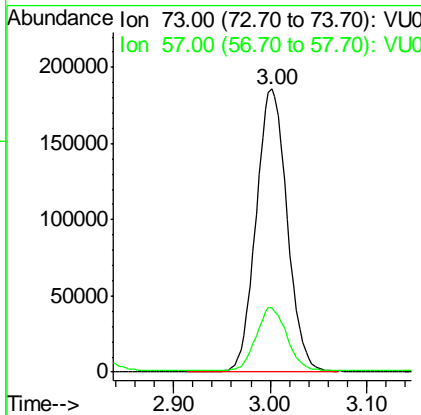
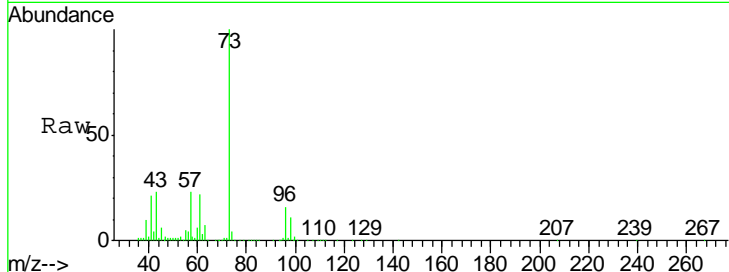


#19
 Methyl tert-butyl Ether
 Concen: 48.294 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
73	413159		
57	22.2	18.8	28.2

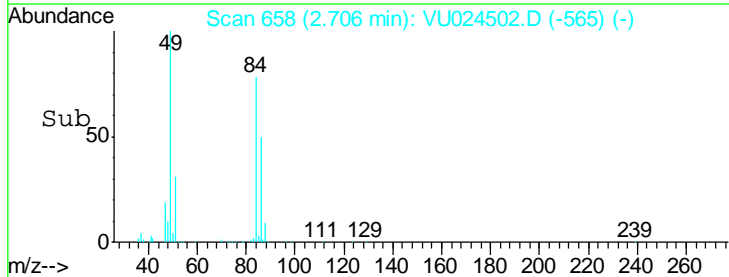
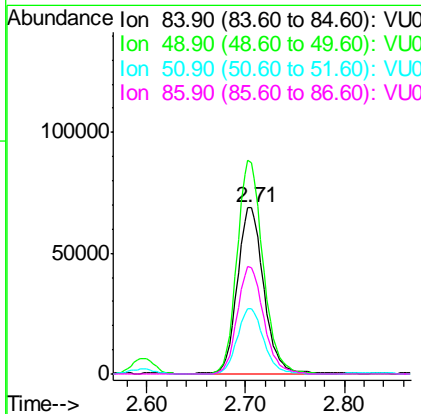
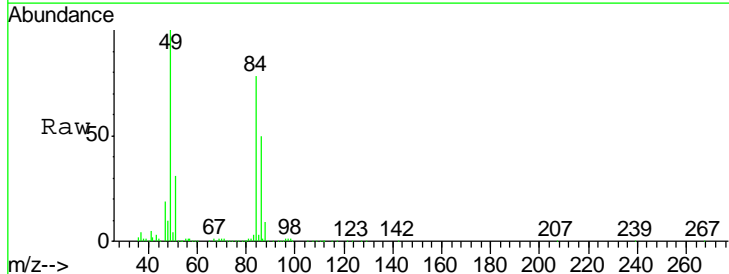
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

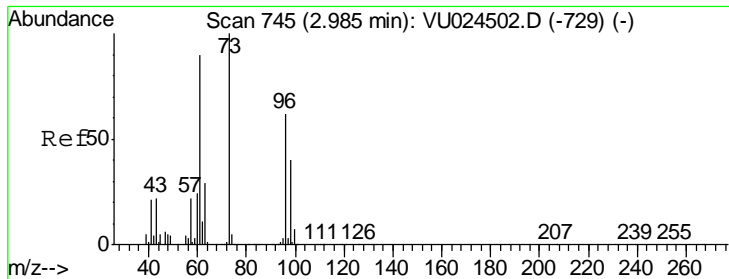
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#20
 Methylene Chloride
 Concen: 37.260 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

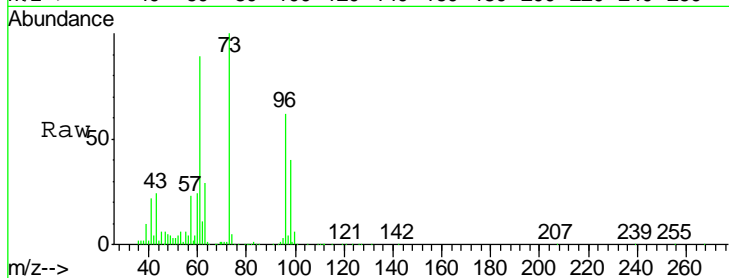
Tgt Ion	Resp	Lower	Upper
84	126543		
49	127.8	103.8	155.8
51	39.4	32.0	48.0
86	64.5	51.6	77.4





#21
 trans-1,2-Dichloroethene
 Concen: 40.875 ug/l
 RT: 2.99 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

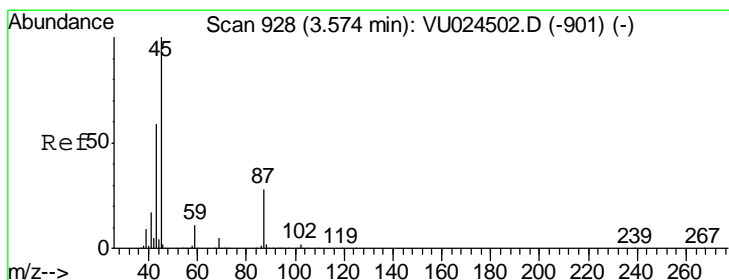
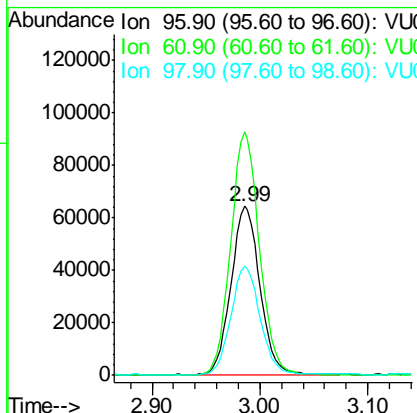
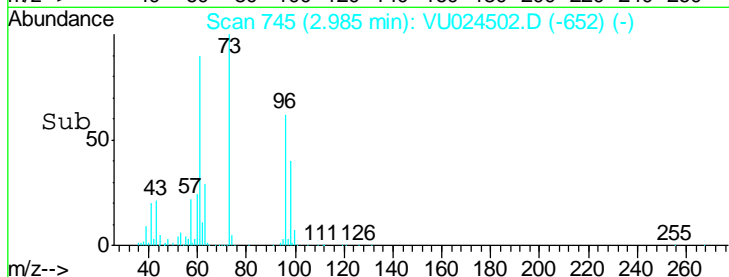


Tgt Ion: 96 Resp: 119400

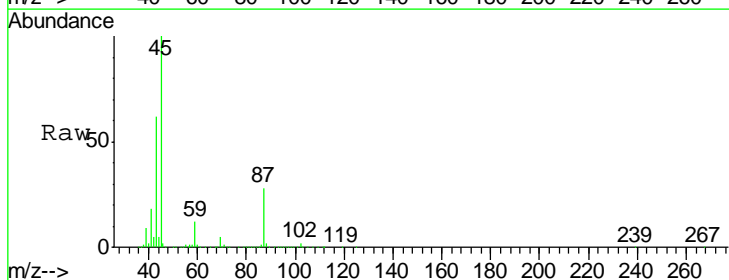
Ion	Ratio	Lower	Upper
96	100		
61	144.5	119.4	179.0
98	64.2	51.1	76.7

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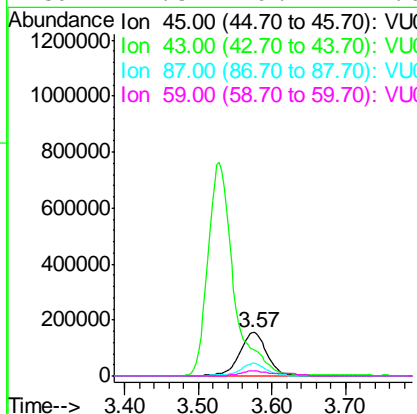
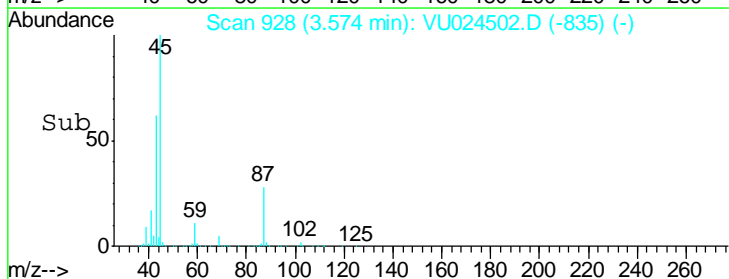


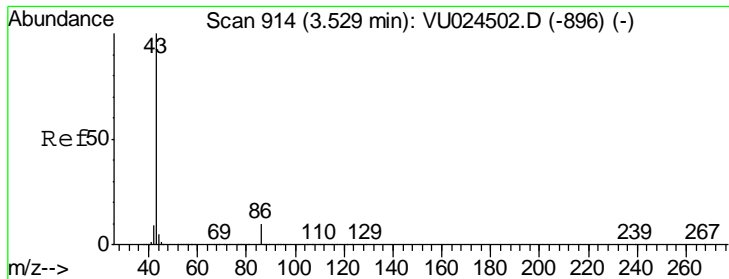
#22
 Diisopropyl ether
 Concen: 43.247 ug/l
 RT: 3.57 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 45 Resp: 402483

Ion	Ratio	Lower	Upper
45	100		
43	60.6	45.8	68.6
87	28.3	20.6	31.0
59	11.5	9.4	14.0





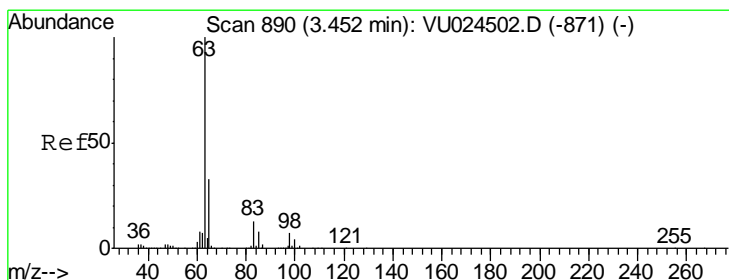
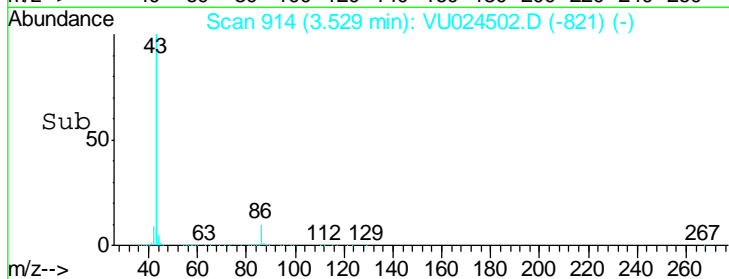
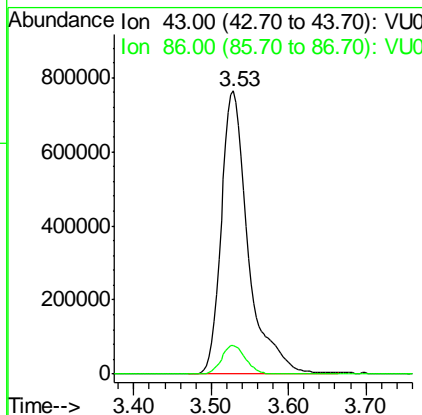
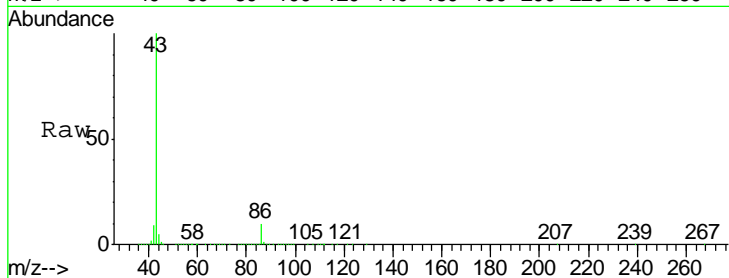
#23
 Vinyl Acetate
 Concen: 269.686 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

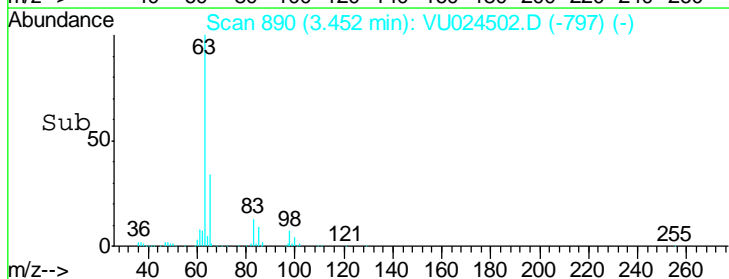
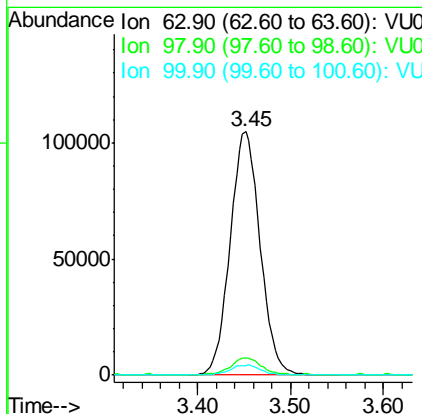
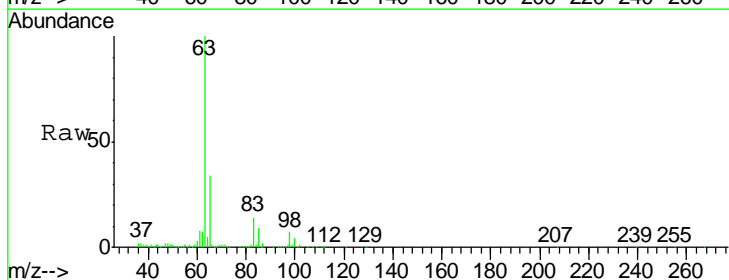
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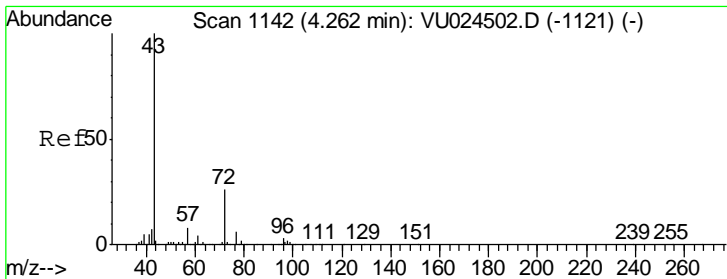
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#24
 1,1-Dichloroethane
 Concen: 40.271 ug/l
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.5	3.5	10.4
100	4.1	1.8	5.5





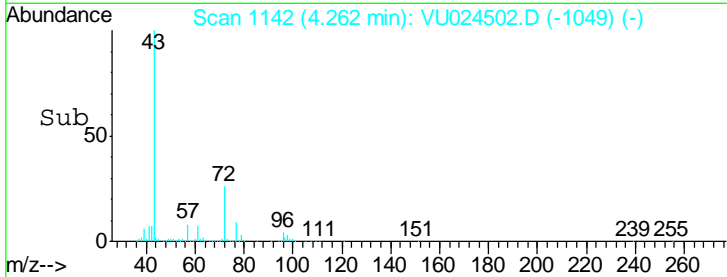
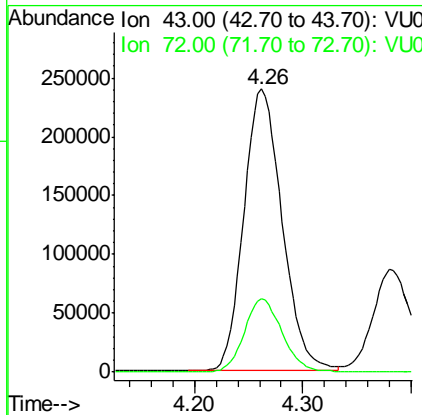
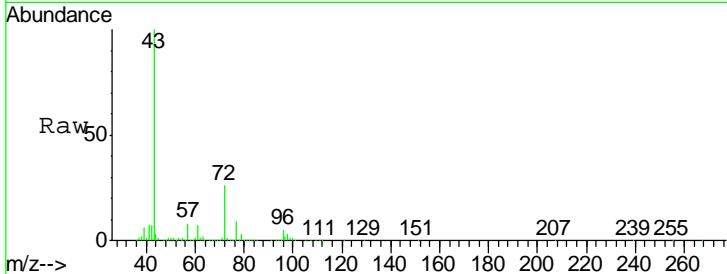
#25
 2-Butanone
 Concen: 199.093 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.1	19.6	29.4

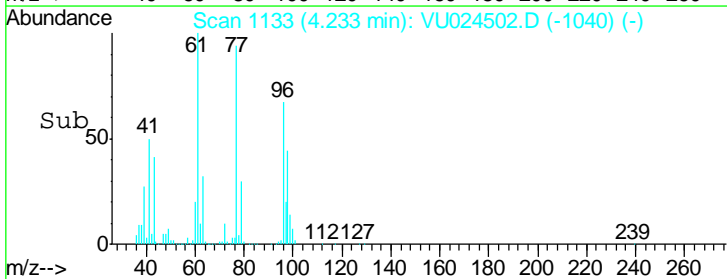
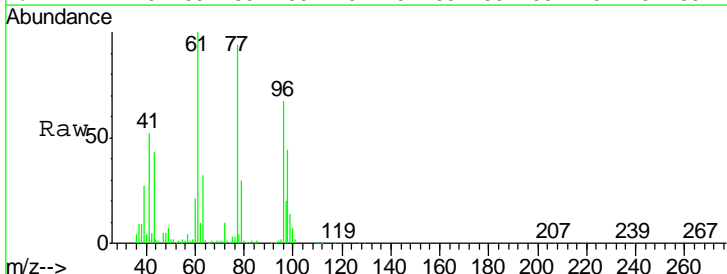
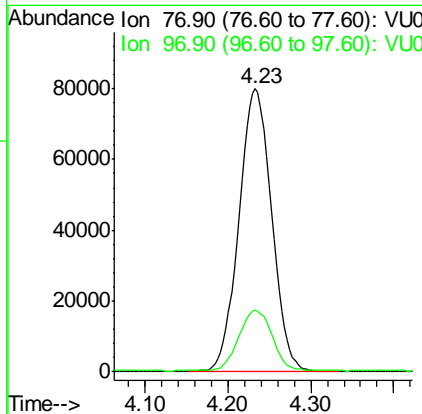
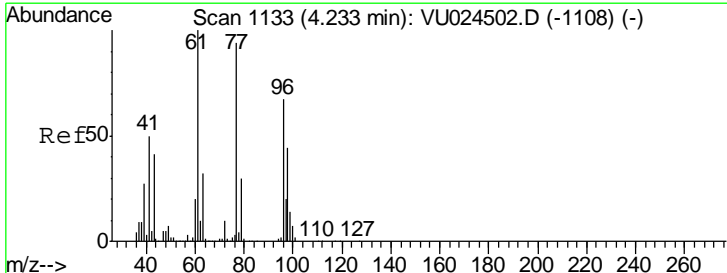
Manual Integrations APPROVED

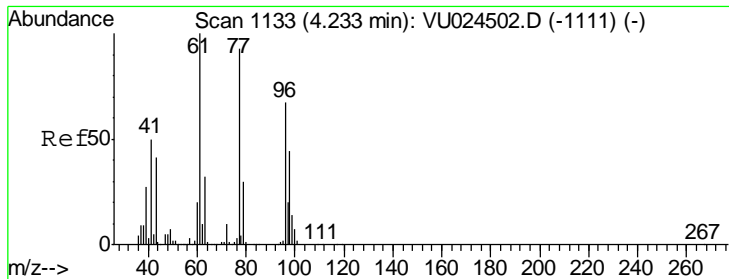
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#26
 2,2-Dichloropropane
 Concen: 49.081 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

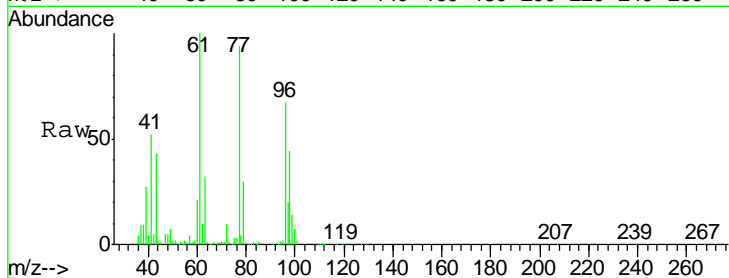
Tgt Ion	Resp	Lower	Upper
77	100		
97	21.9	11.3	33.8





#27
 cis-1,2-Dichloroethene
 Concen: 43.488 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

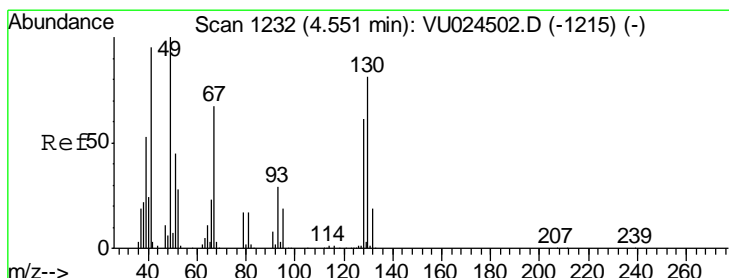
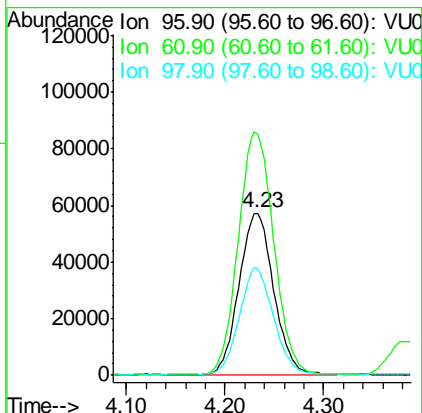
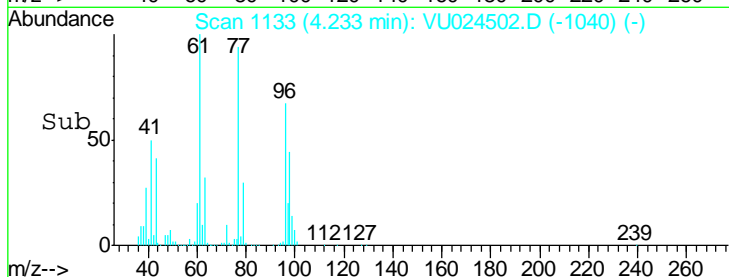
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050



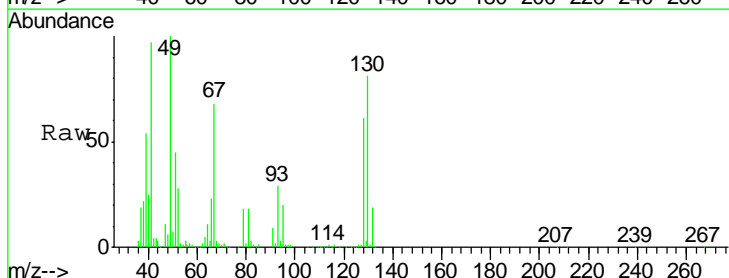
Tgt Ion	Resp	Lower	Upper
96	138036		
96	100		
61	156.2	0.0	306.6
98	65.1	0.0	128.8

Manual Integrations
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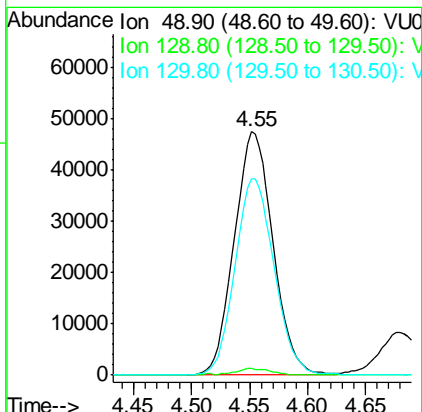
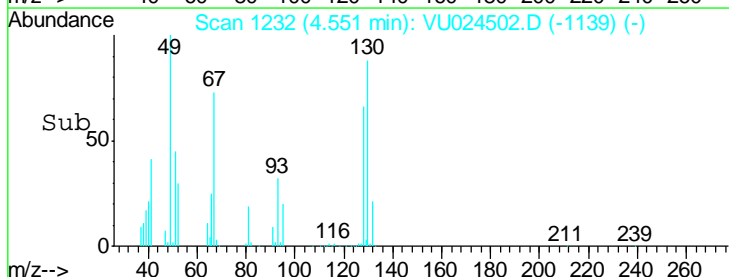
MMDadoda
 6/14/2018 9:44:32 AM

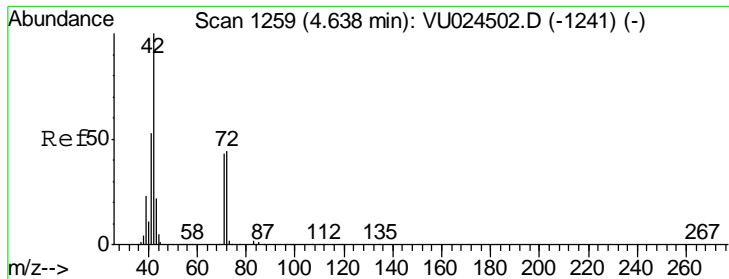


#28
 Bromochloromethane
 Concen: 51.637 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion	Resp	Lower	Upper
49	110186		
49	100		
129	2.2	0.0	3.8
130	81.9	57.8	86.6





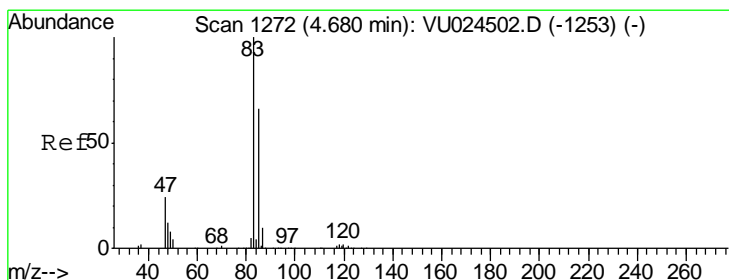
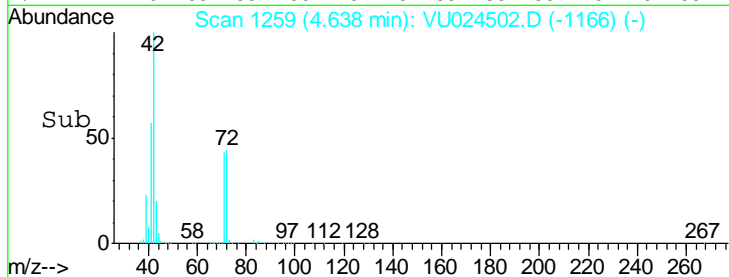
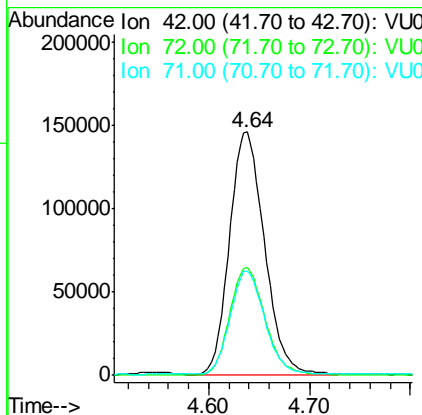
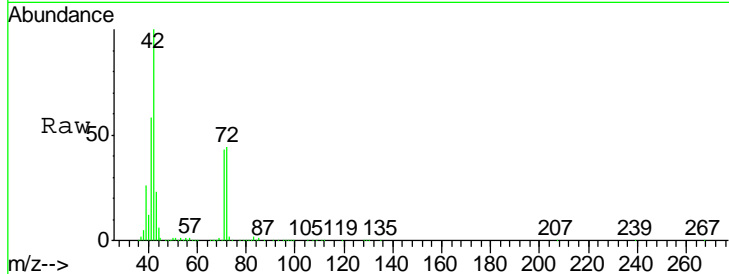
#29
 Tetrahydrofuran
 Concen: 207.771 ug/l
 RT: 4.64 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
42	100		
72	44.7	34.5	51.7
71	42.1	32.2	48.4

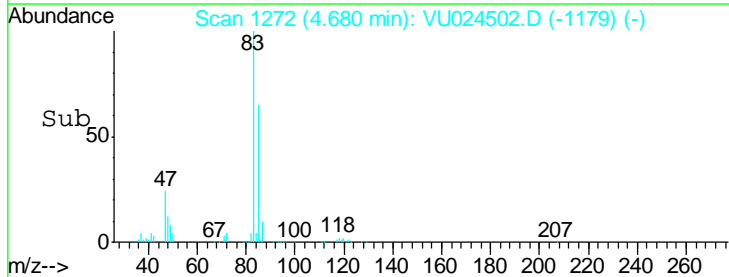
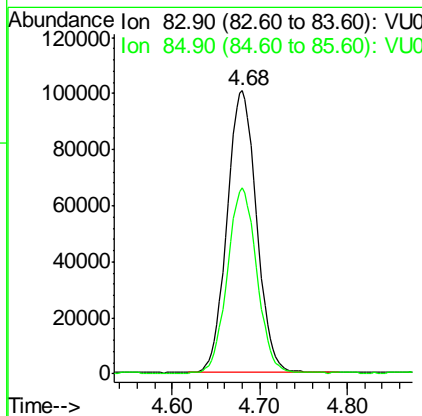
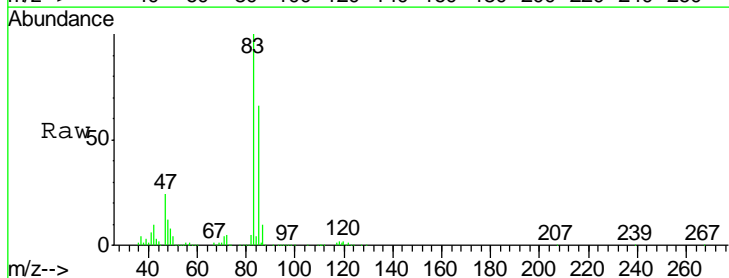
Manual Integrations
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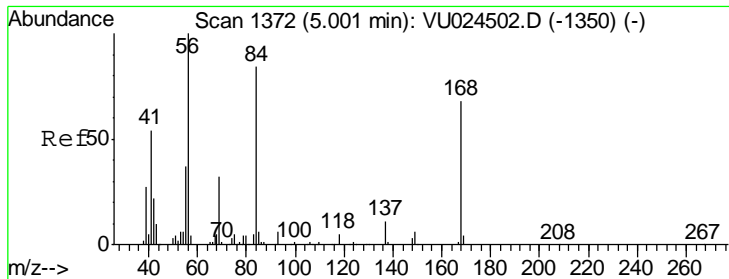
MMDadoda
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#30
 Chloroform
 Concen: 39.873 ug/l
 RT: 4.68 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.7	52.4	78.6





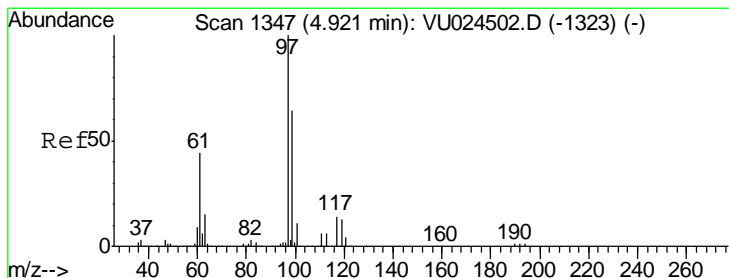
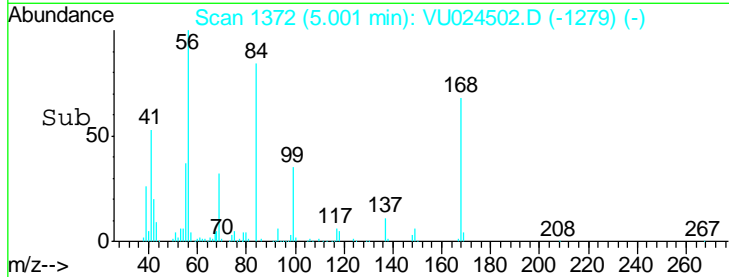
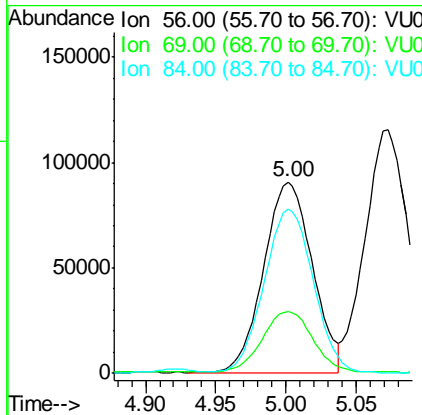
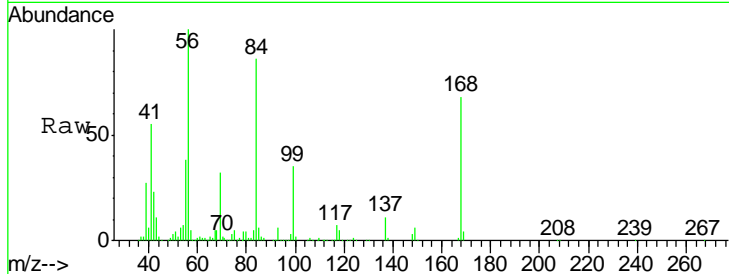
#31
 Cyclohexane
 Concen: 37.523 ug/l
 RT: 5.00 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	31.7	24.8	37.2
84	84.4	65.2	97.8

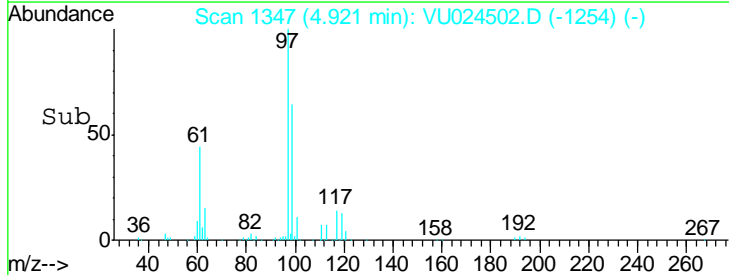
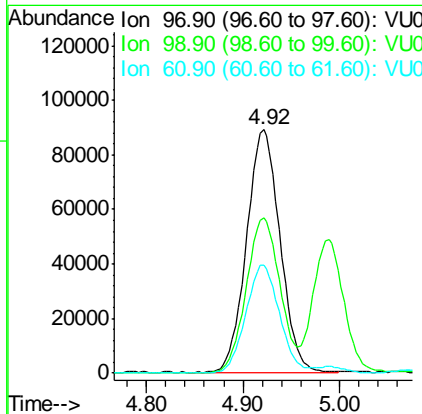
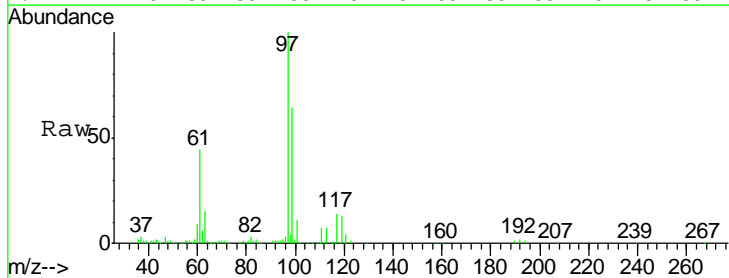
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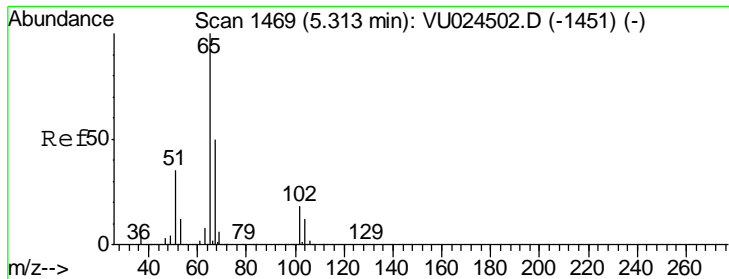
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#32
 1,1,1-Trichloroethane
 Concen: 44.943 ug/l
 RT: 4.92 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

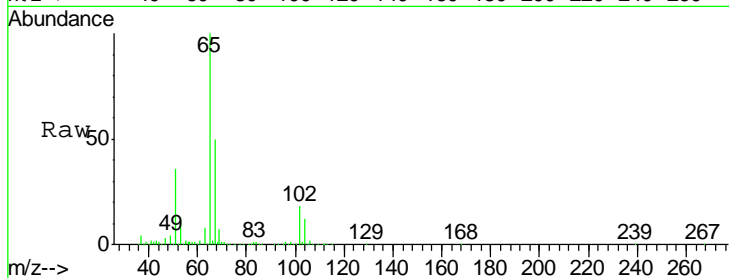
Tgt Ion	Resp	Lower	Upper
97	100		
99	65.1	51.0	76.6
61	45.0	39.4	59.0





#33
 1,2-Dichloroethane-d4
 Concen: 41.714 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

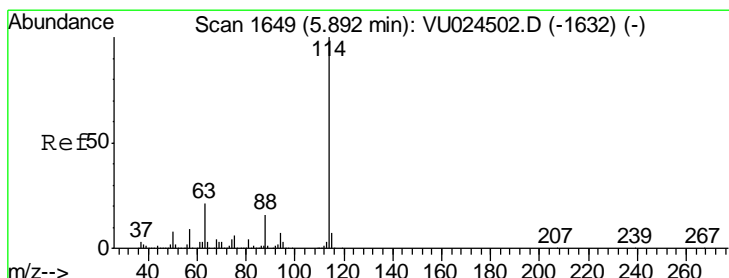
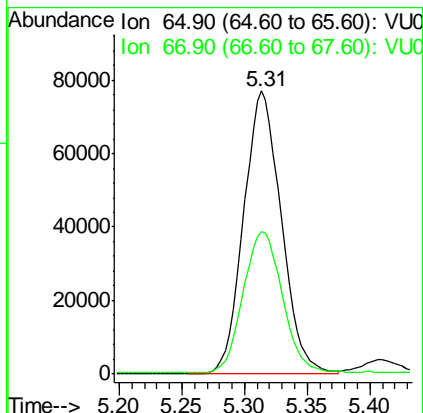
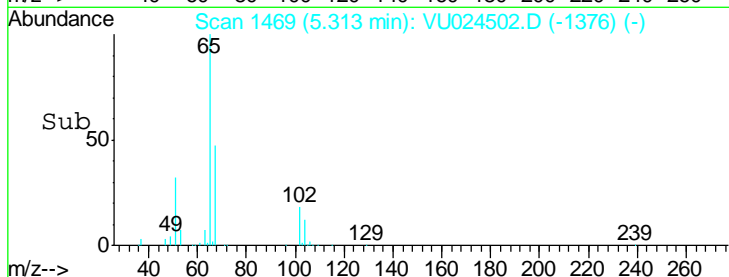
Instrument : MSVOA_U
 Client Sampled : VSTDICCC050



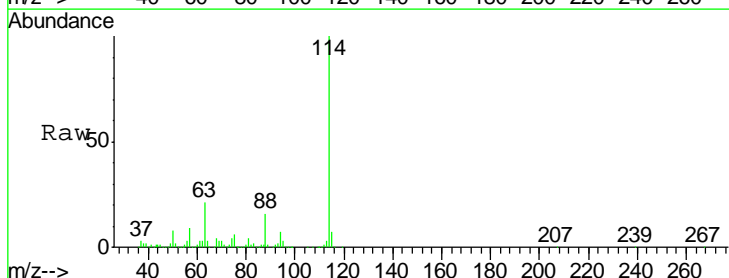
Tgt Ion: 65 Resp: 161489
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.0

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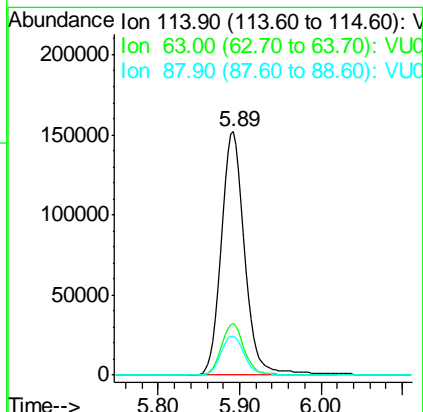
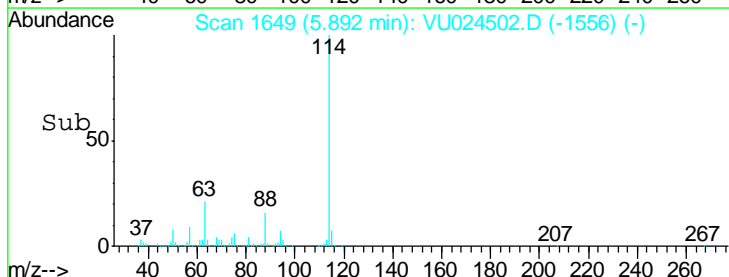
MMDadoda
 6/14/2018 9:44:32 AM

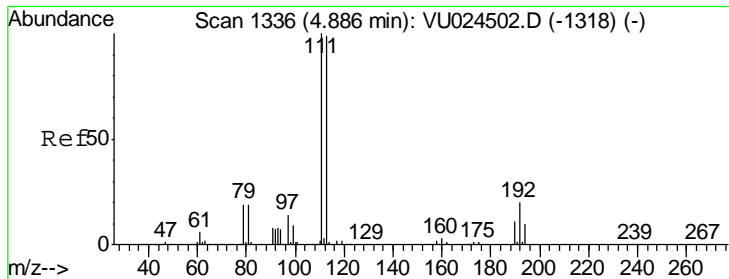


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



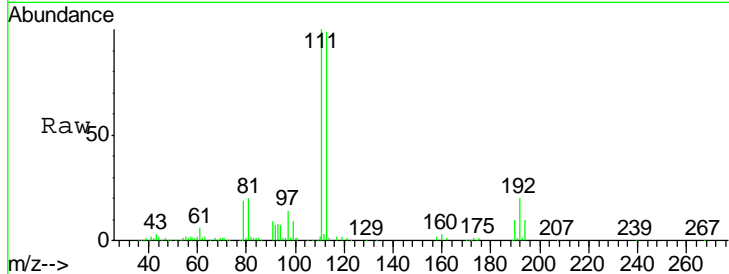
Tgt Ion: 114 Resp: 310178
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 45.4
 88 16.2 0.0 31.0





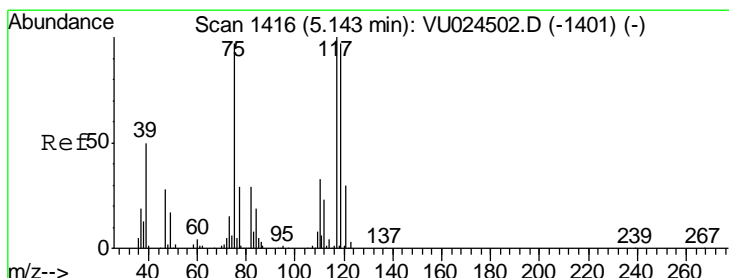
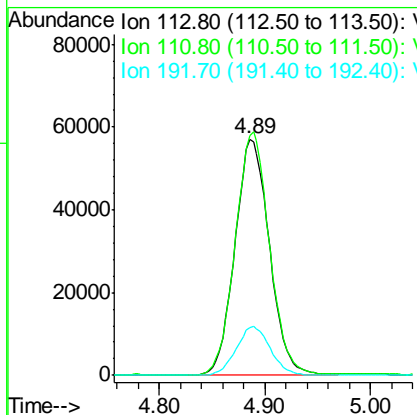
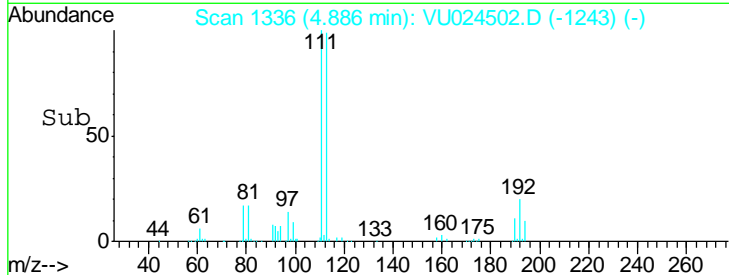
#35
 Dibromofluoromethane
 Concen: 40.748 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

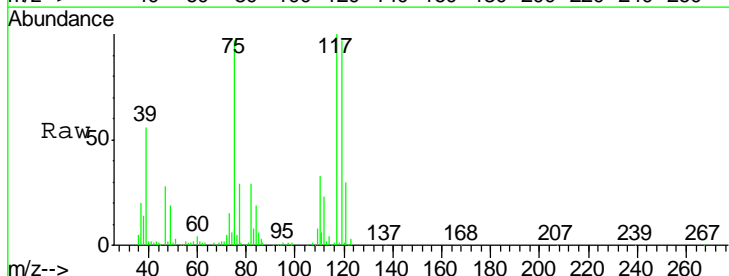


Tgt Ion	Resp	Lower	Upper
113	129809		
113	100		
111	100.8	82.2	123.4
192	20.4	16.2	24.4

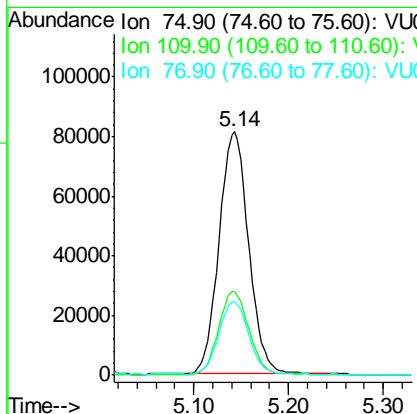
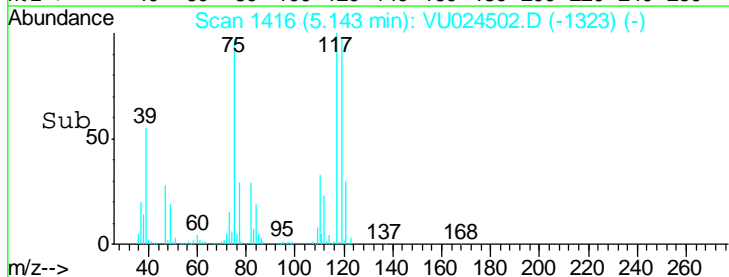
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 6/14/2018 9:44:32 AM

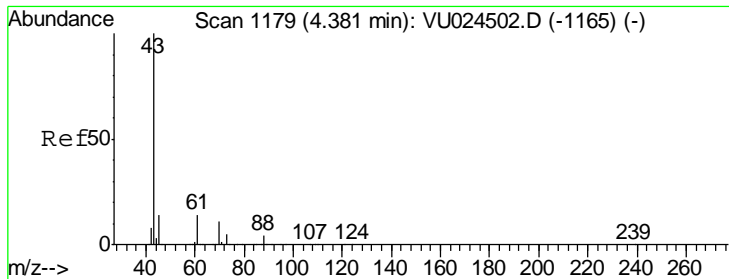


#36
 1,1-Dichloropropene
 Concen: 39.889 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



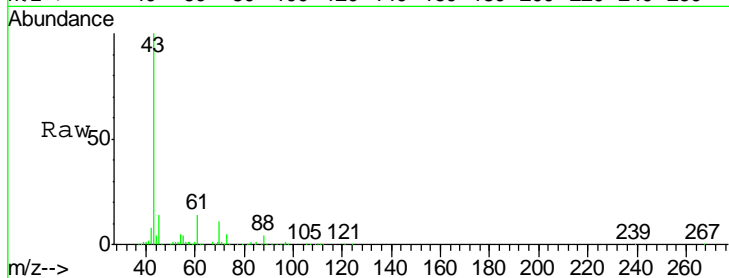
Tgt Ion	Resp	Lower	Upper
75	176568		
75	100		
110	35.2	17.0	50.9
77	30.3	24.2	36.4





#37
 Ethyl Acetate
 Concen: 42.412 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

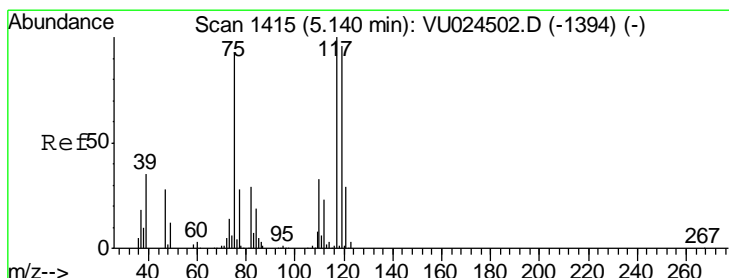
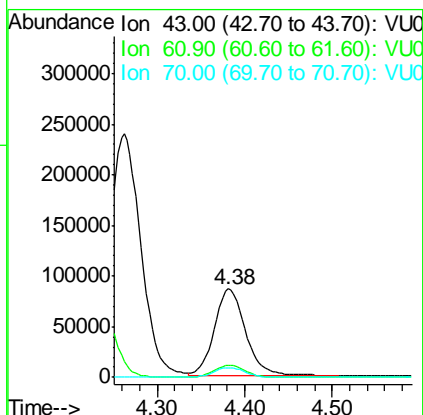
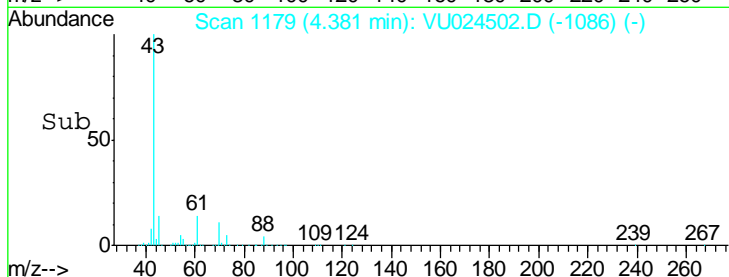


Tgt Ion: 43 Resp: 210491

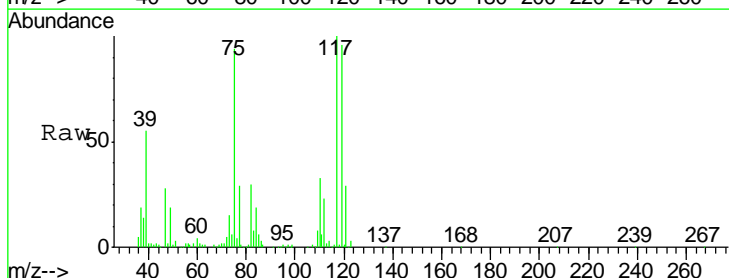
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	10.6	7.4	11.2

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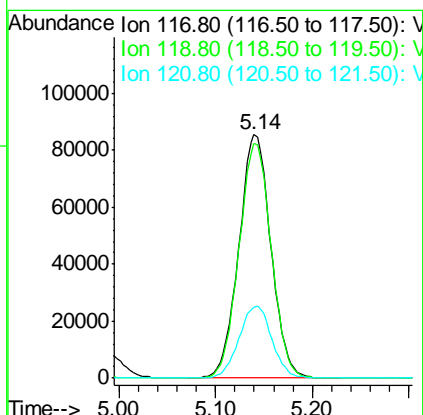
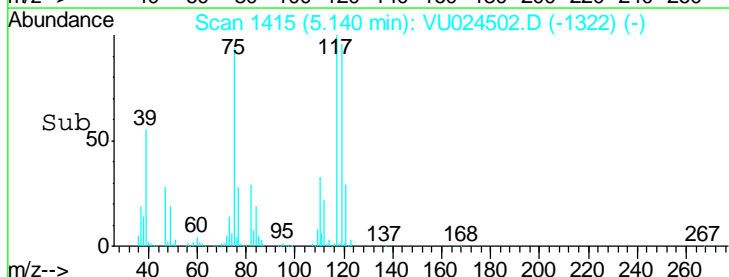


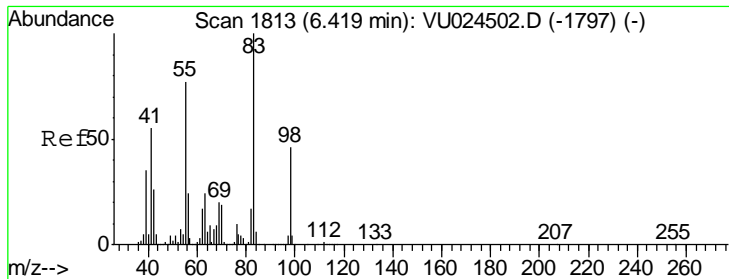
#38
 Carbon Tetrachloride
 Concen: 46.794 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 117 Resp: 197238

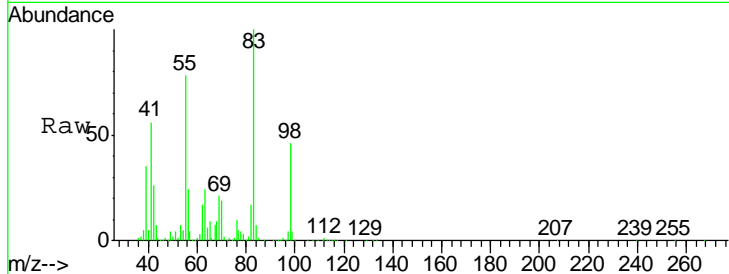
Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.1	114.1
121	29.2	23.7	35.5





#39
 Methylcyclohexane
 Concen: 45.879 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

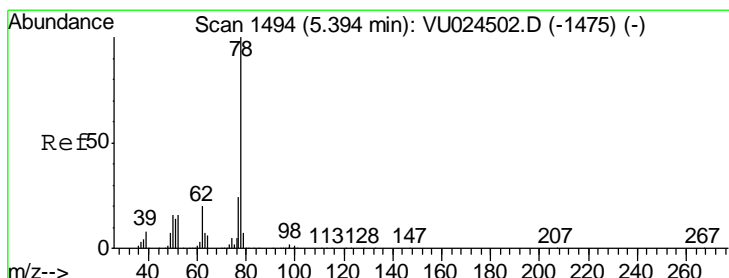
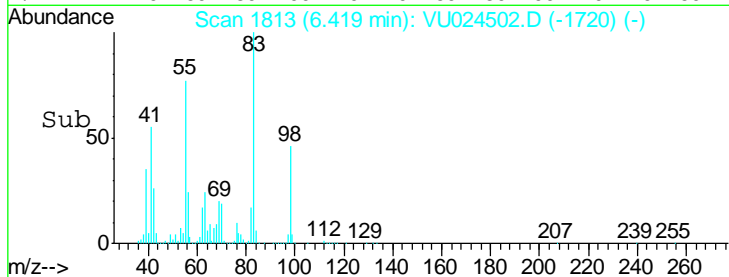
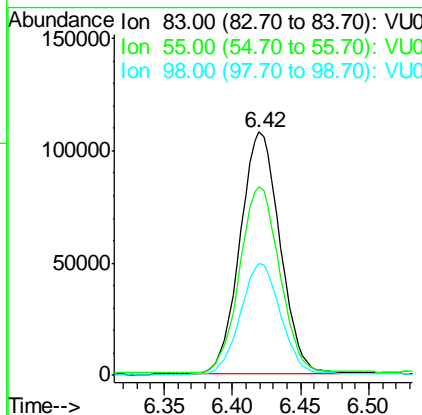


Tgt Ion: 83 Resp: 219420

Ion	Ratio	Lower	Upper
83	100		
55	76.9	65.8	98.6
98	45.8	36.7	55.1

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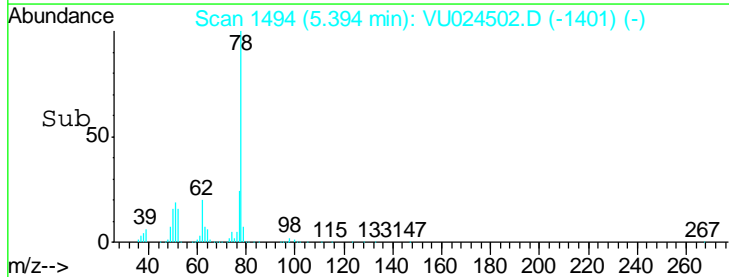
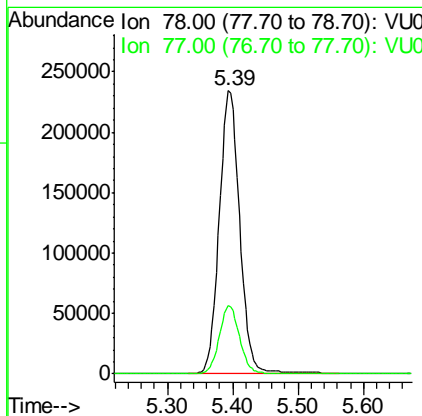
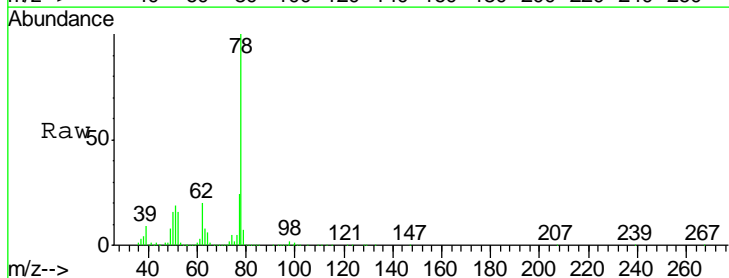
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 6/14/2018 9:44:32 AM

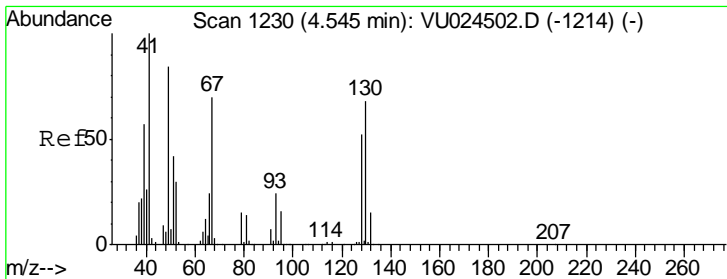


#40
 Benzene
 Concen: 38.541 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion: 78 Resp: 514215

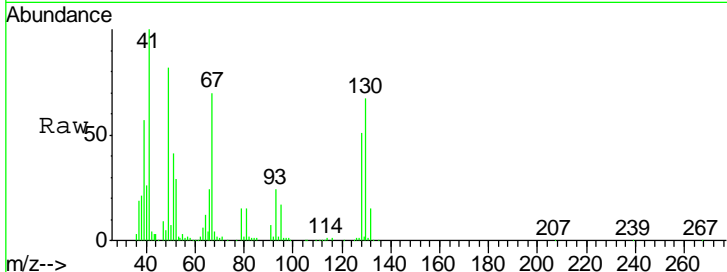
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





#41
 Methacrylonitrile
 Concen: 40.911 ug/l
 RT: 4.54 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

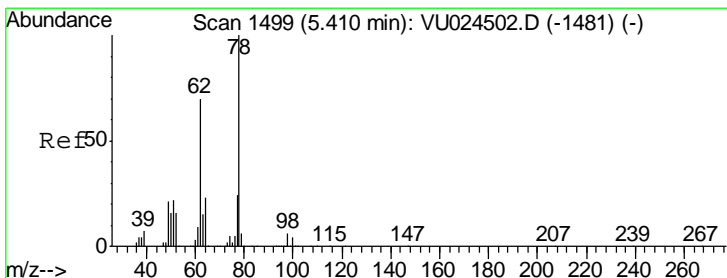
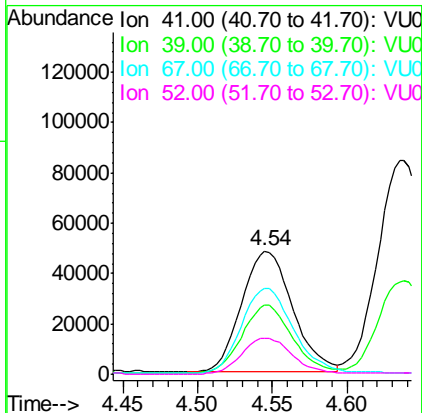
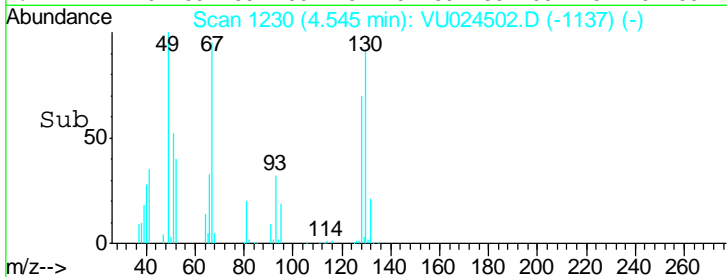
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050



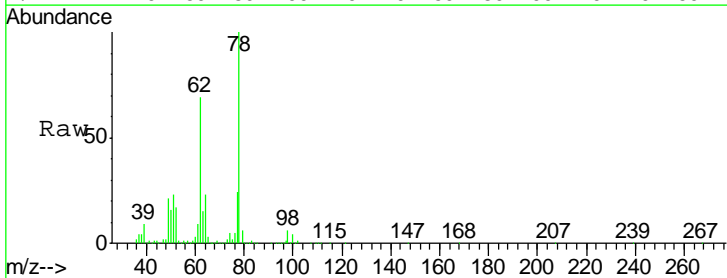
Tgt Ion: 41 Resp: 113791

Ion	Ratio	Lower	Upper
41	100		
39	55.1	43.8	65.6
67	72.4	56.3	84.5
52	29.5	23.2	34.8

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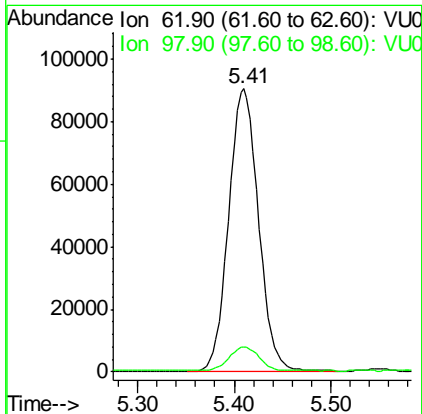
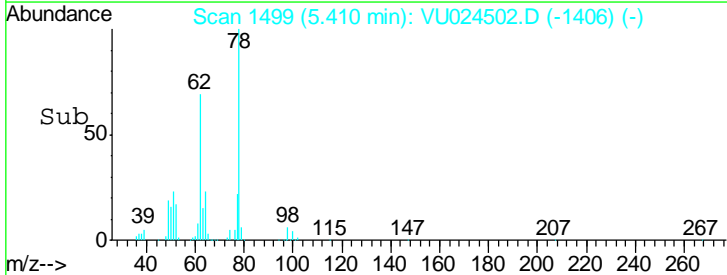


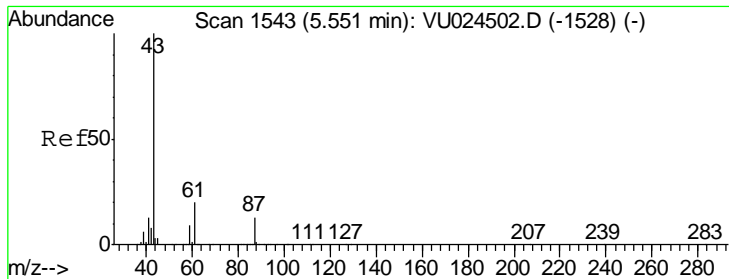
#42
 1,2-Dichloroethane
 Concen: 38.082 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 62 Resp: 194589

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





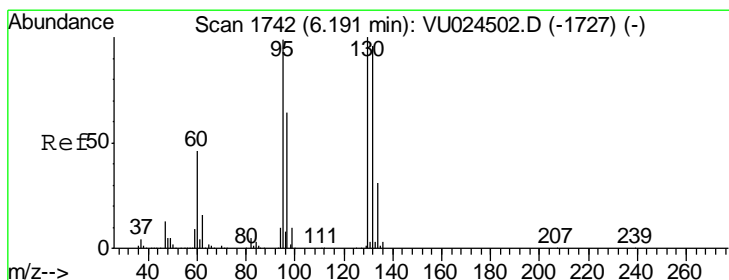
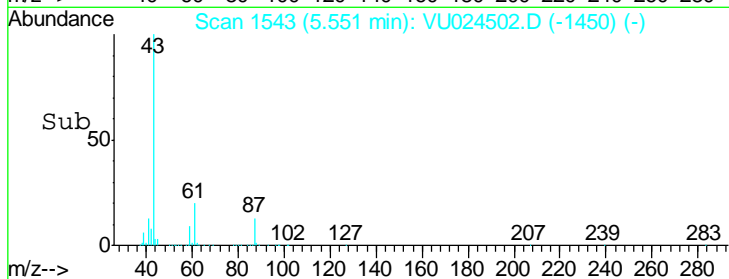
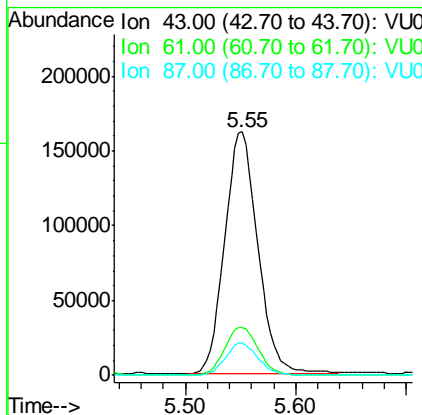
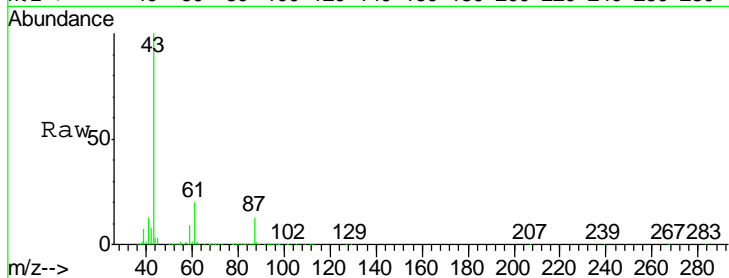
#43
 Isopropyl Acetate
 Concen: 44.283 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.5	15.4	23.0
87	13.3	10.0	15.0

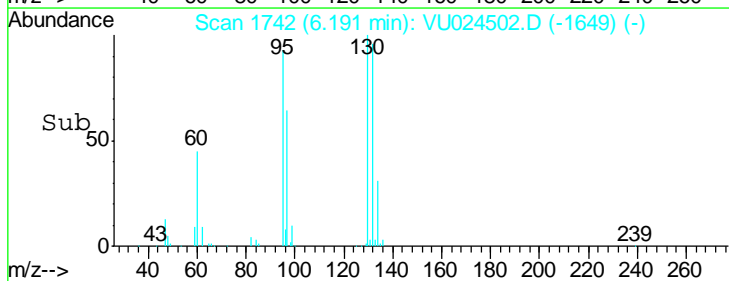
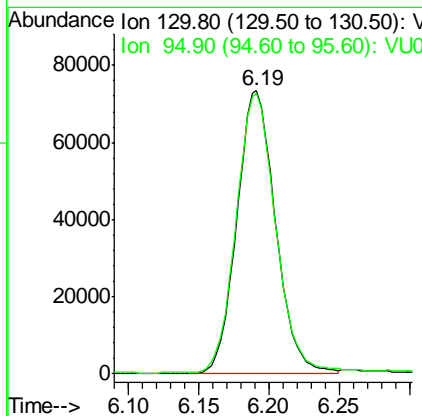
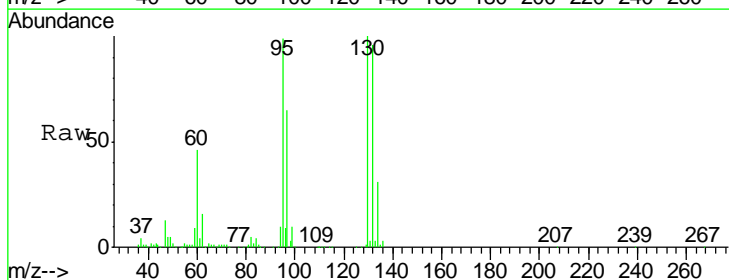
Manual Integrations
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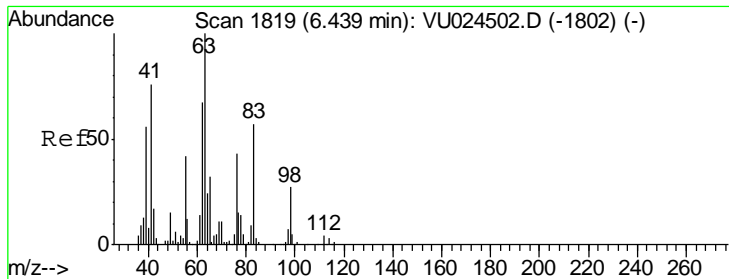
MMDadoda
 6/14/2018 9:44:32 AM



#44
 Trichloroethene
 Concen: 40.775 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
130	100		
95	98.6	0.0	202.4





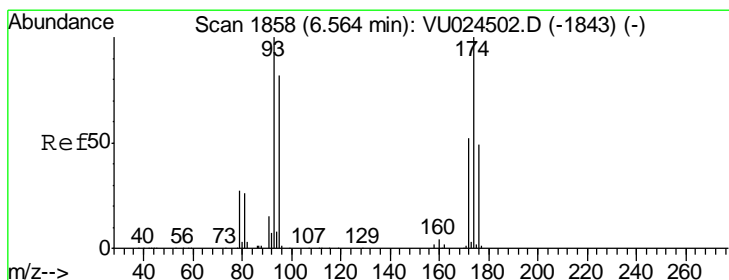
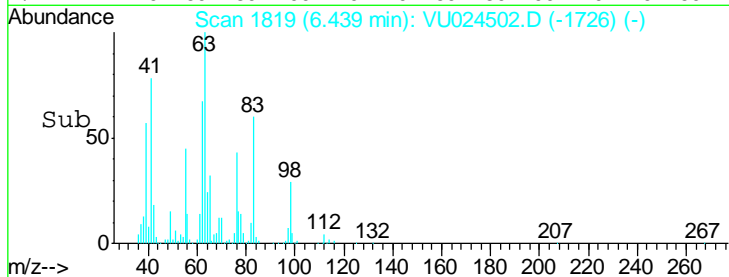
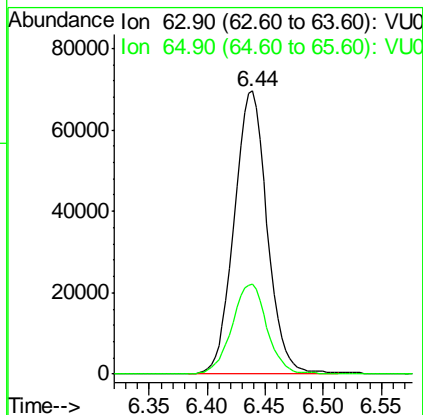
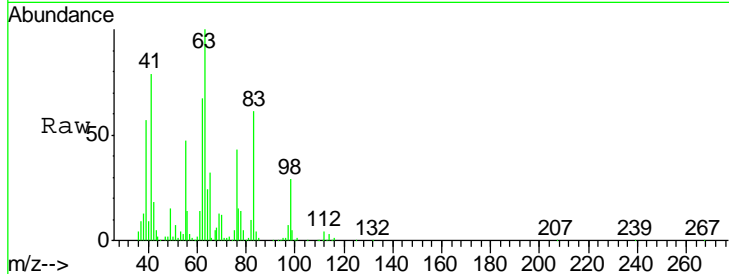
#45
 1,2-Dichloropropane
 Concen: 38.272 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
63	137232		
63	100		
65	31.6	24.8	37.2

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

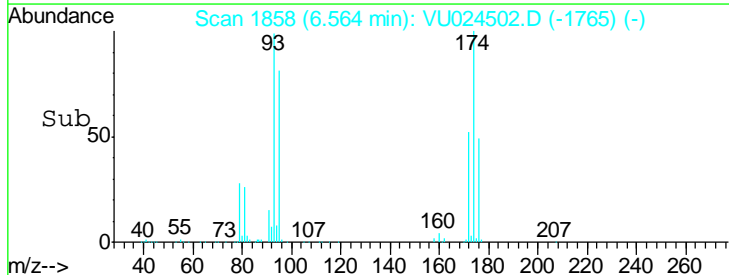
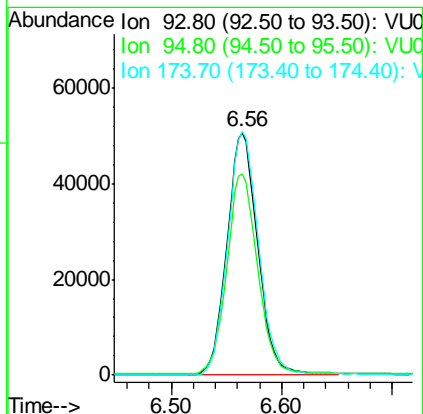
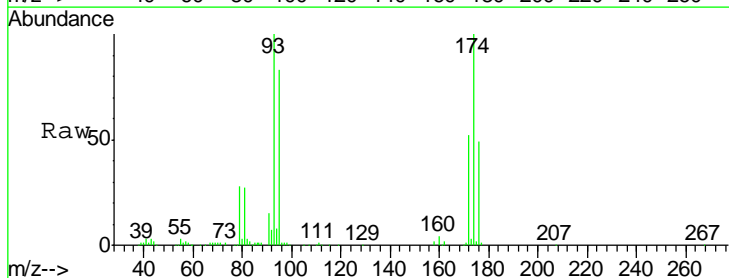
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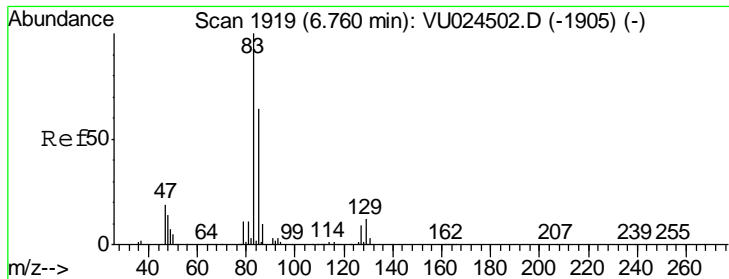
MMDadoda
 6/14/2018 9:44:32 AM



#46
 Dibromomethane
 Concen: 41.363 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

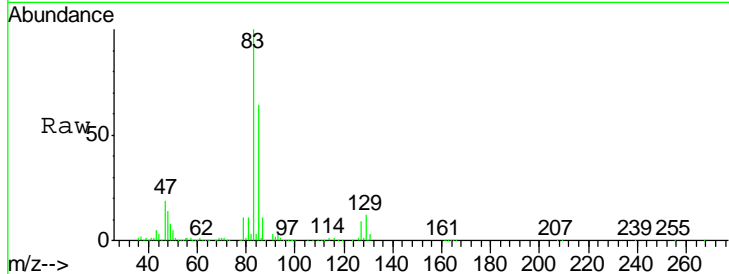
Tgt Ion	Resp	Lower	Upper
93	98191		
93	100		
95	81.3	65.5	98.3
174	100.5	78.7	118.1





#47
 Bromodichloromethane
 Concen: 41.418 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

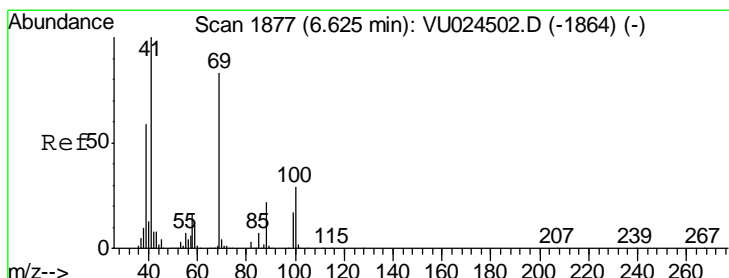
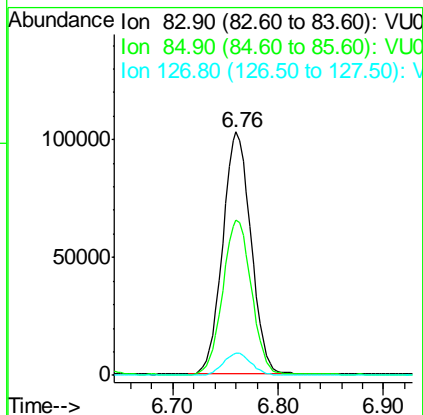
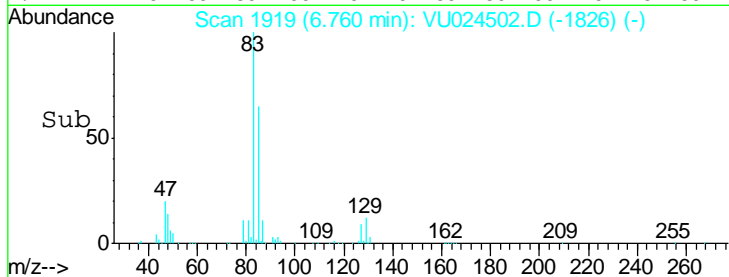
Instrument : MSVOA_U
 Client Sampled : VSTDICCC050



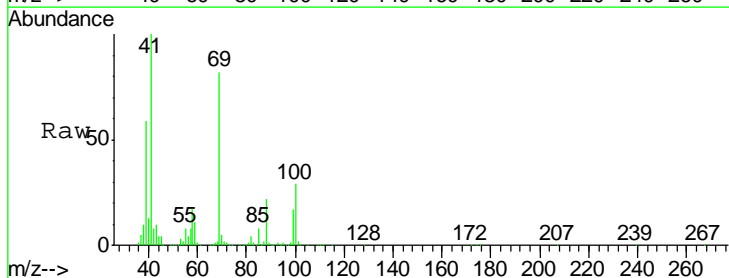
Tgt Ion	Resp	Lower	Upper
83	190225		
85	63.6	51.9	77.9
127	9.1	6.6	9.8

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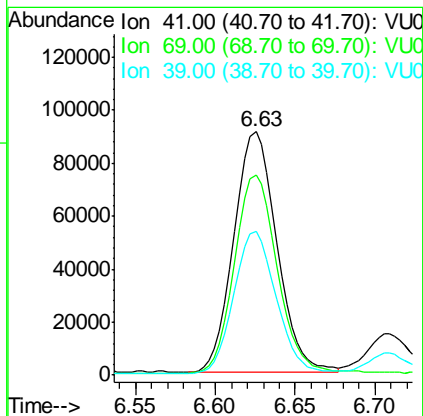
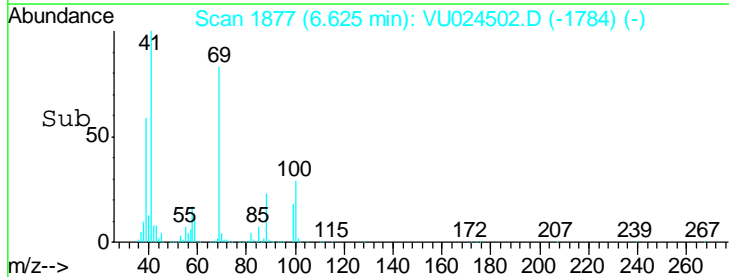
MMDadoda
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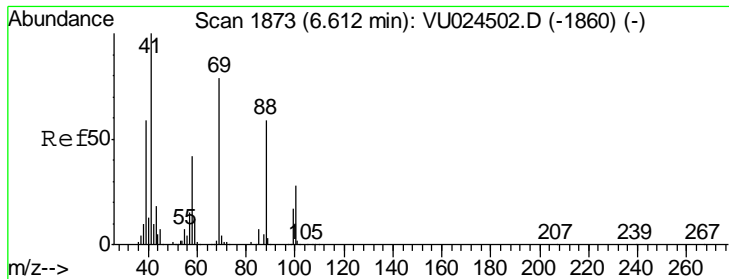


#48
 Methyl methacrylate
 Concen: 44.913 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion	Resp	Lower	Upper
41	166426		
69	83.9	67.3	100.9
39	58.7	46.5	69.7





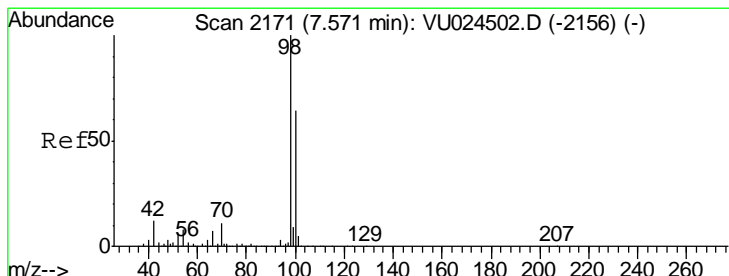
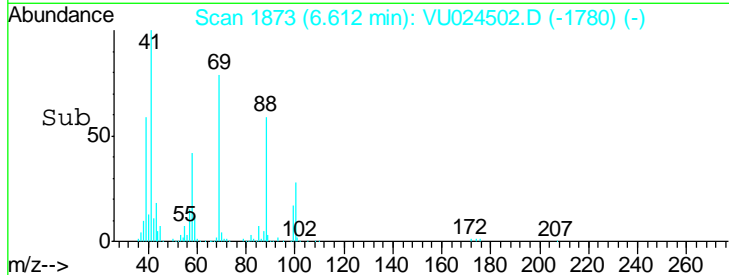
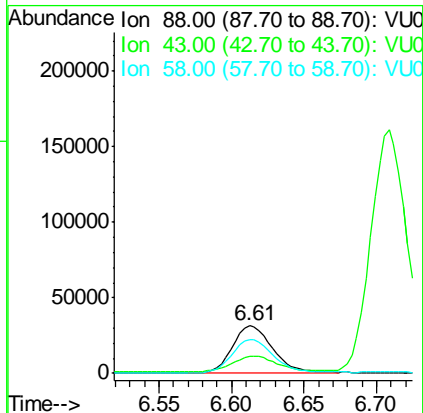
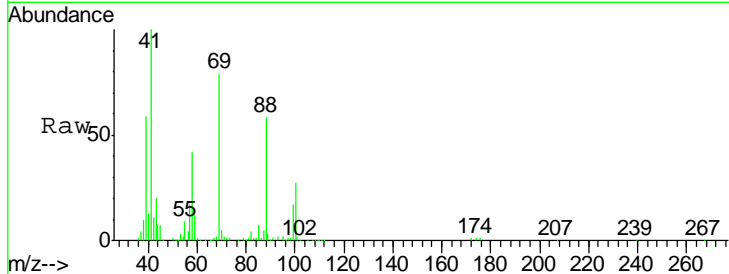
#49
 1,4-Dioxane
 Concen: 772.457 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
88	60387		
88	100		
43	34.5	28.6	42.8
58	73.4	58.2	87.4

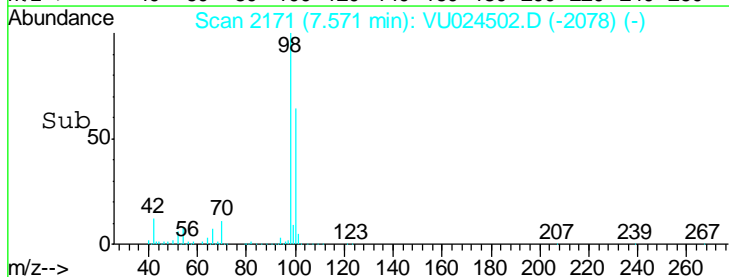
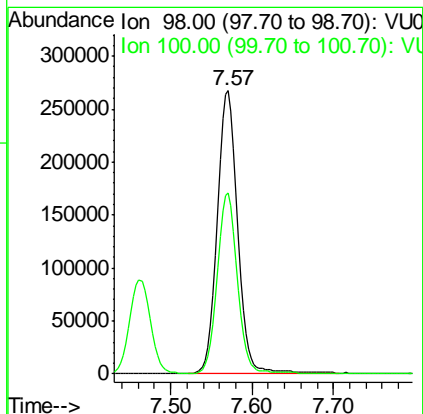
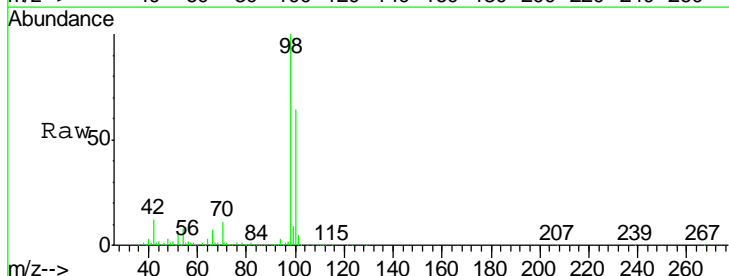
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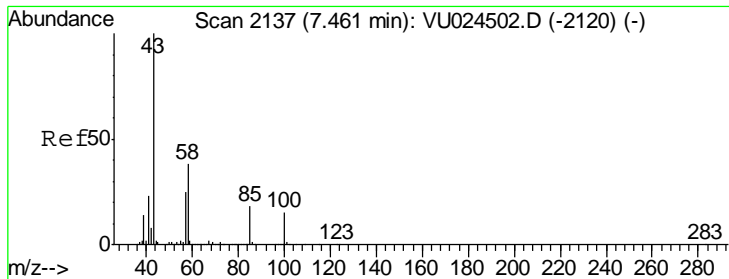
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 6/14/2018 9:44:32 AM



#50
 Toluene-d8
 Concen: 39.881 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

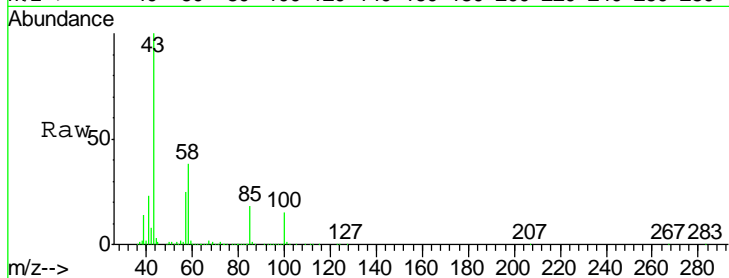
Tgt Ion	Resp	Lower	Upper
98	474811		
98	100		
100	62.6	51.1	76.7





#51
 4-Methyl-2-Pentanone
 Concen: 195.149 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

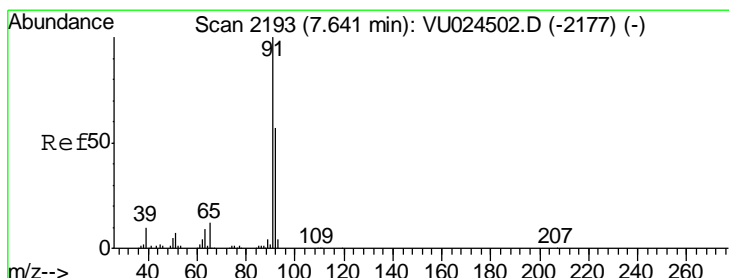
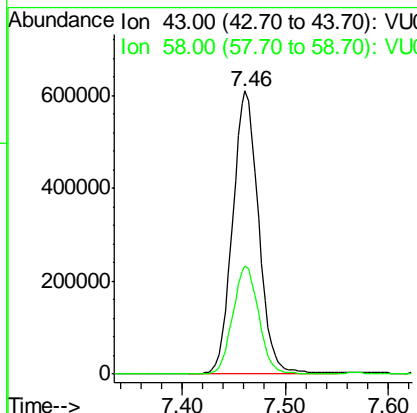
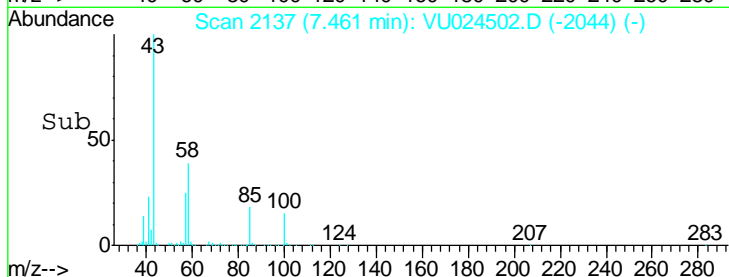
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050



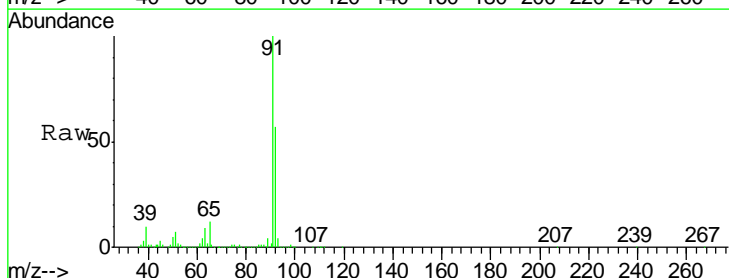
Tgt Ion: 43 Resp: 1064211
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.0 45.0

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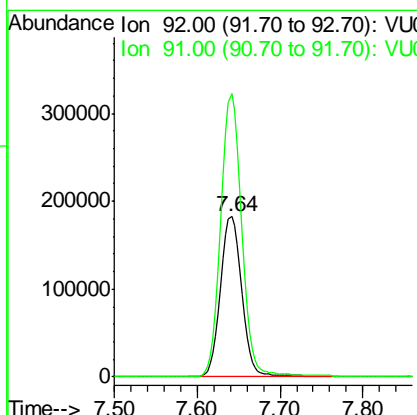
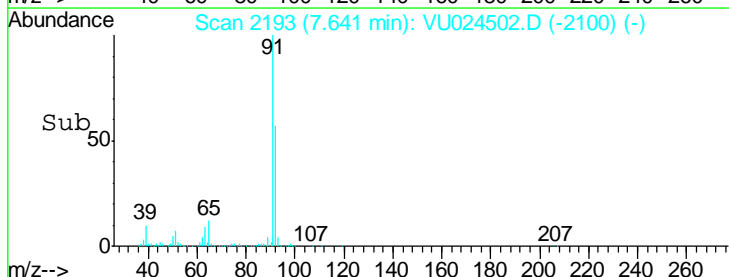
MMDadoda
 6/14/2018 9:44:32 AM

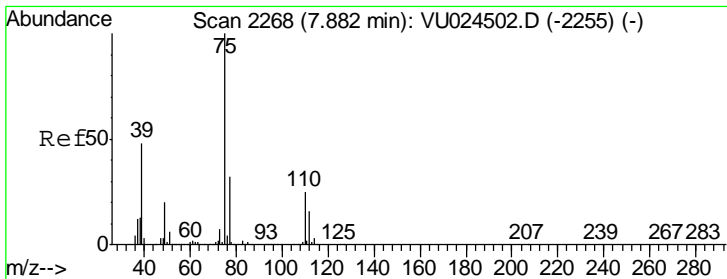


#52
 Toluene
 Concen: 41.299 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 92 Resp: 327004
 Ion Ratio Lower Upper
 92 100
 91 173.3 140.5 210.7





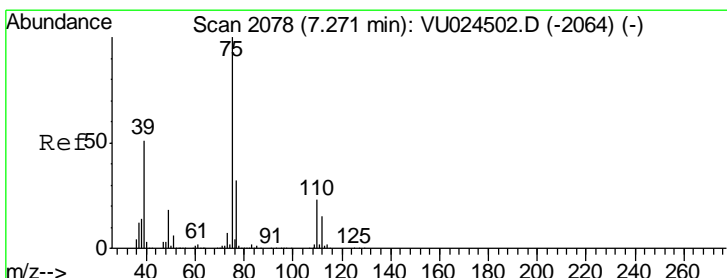
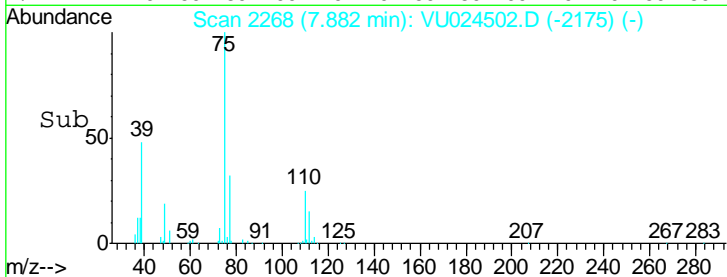
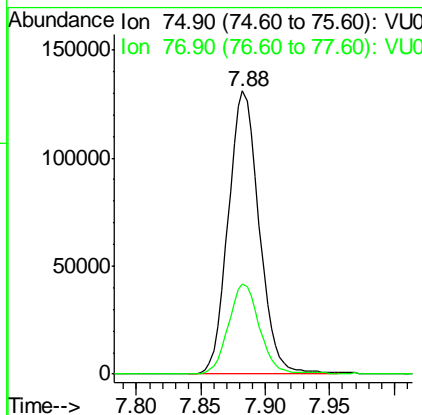
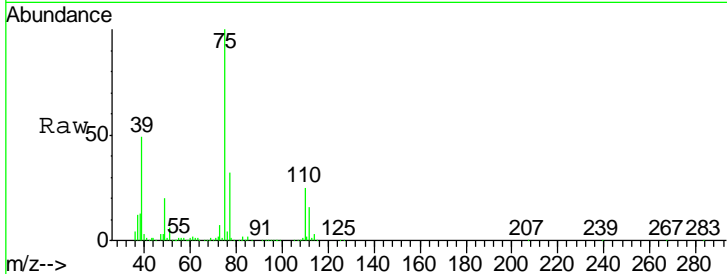
#53
 t-1,3-Dichloropropene
 Concen: 45.800 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	218750		
75	100		
77	31.6	24.8	37.2

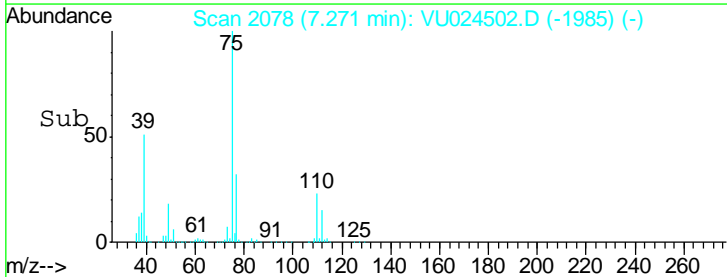
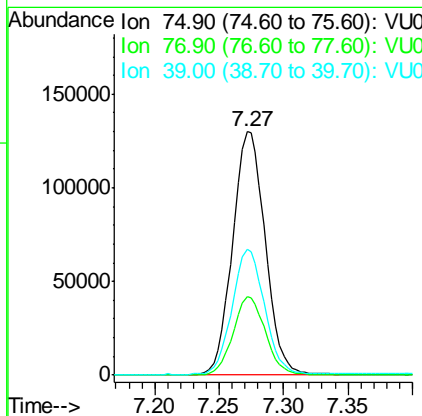
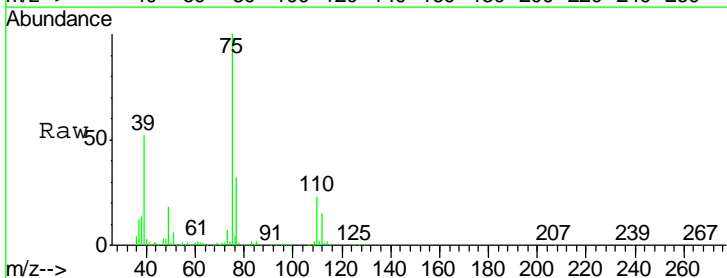
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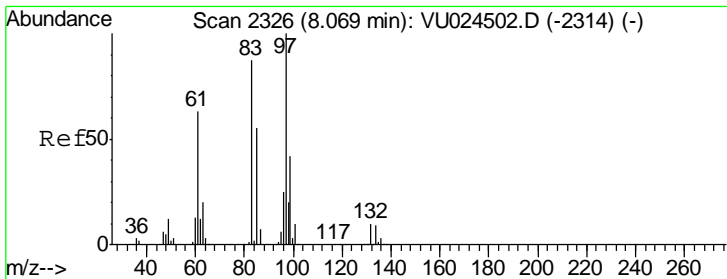
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#54
 cis-1,3-Dichloropropene
 Concen: 43.901 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

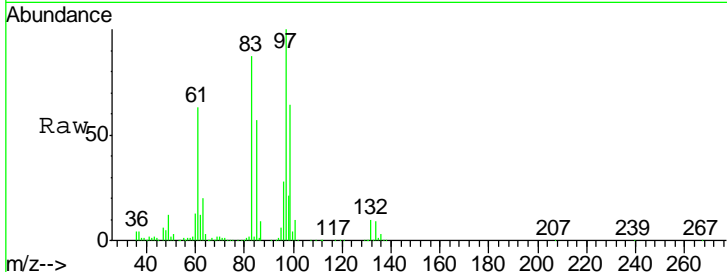
Tgt Ion	Resp	Lower	Upper
75	228784		
75	100		
77	32.0	24.6	36.8
39	51.4	39.8	59.6





#55
 1,1,2-Trichloroethane
 Concen: 37.943 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

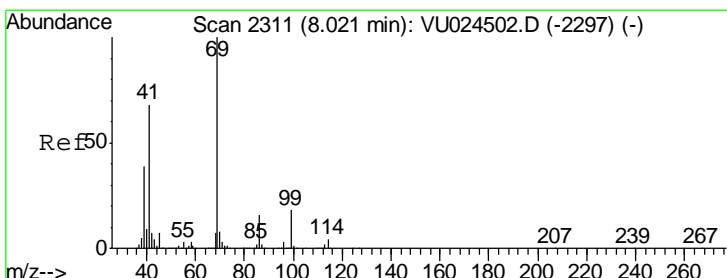
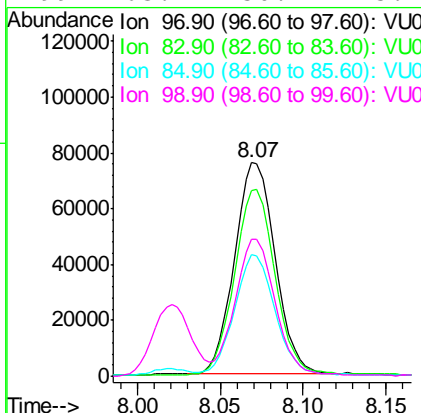
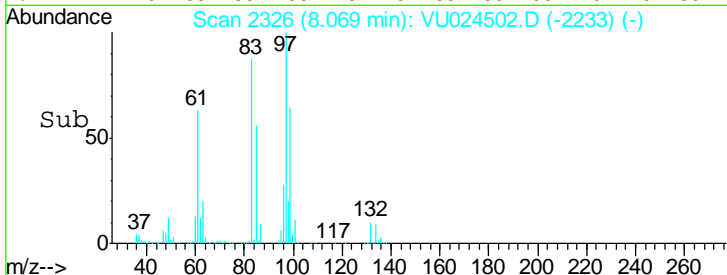


Tgt Ion: 97 Resp: 128888

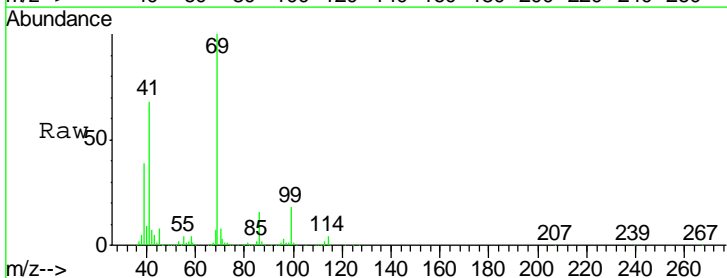
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.5	105.7
85	56.4	46.4	69.6
99	63.7	50.2	75.2

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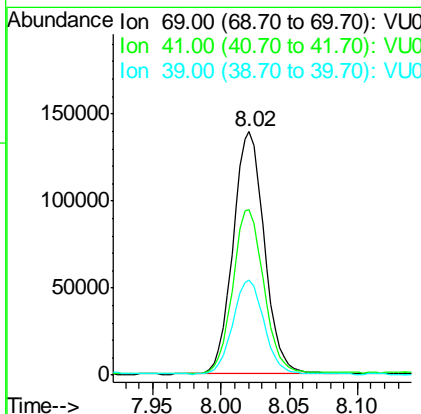
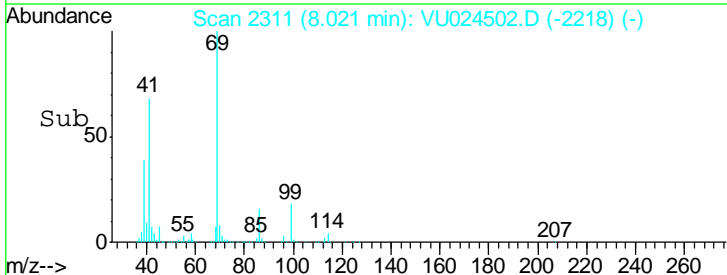


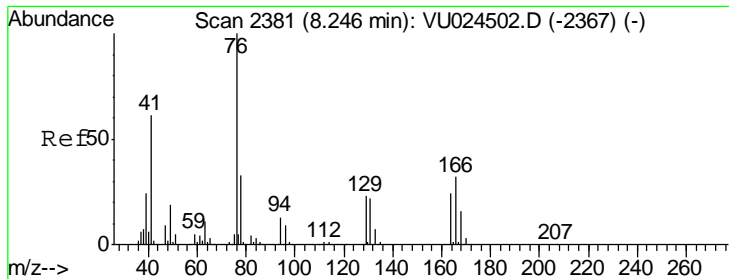
#56
 Ethyl methacrylate
 Concen: 50.073 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 69 Resp: 221680

Ion	Ratio	Lower	Upper
69	100		
41	67.0	54.1	81.1
39	39.1	30.3	45.5





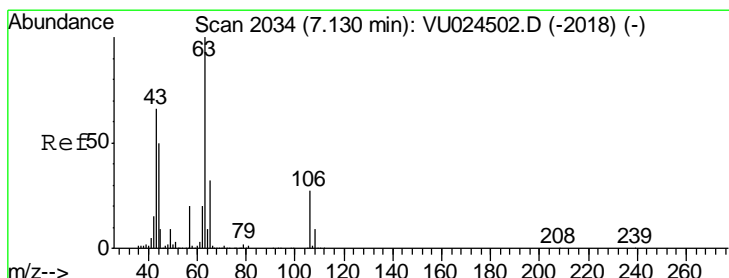
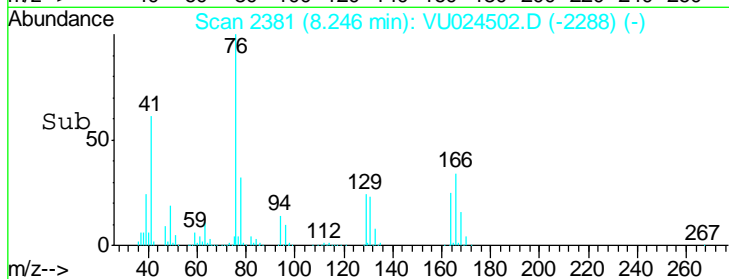
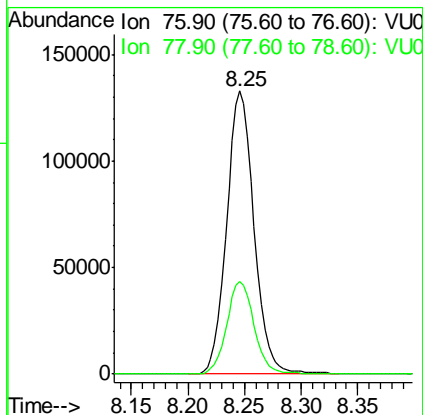
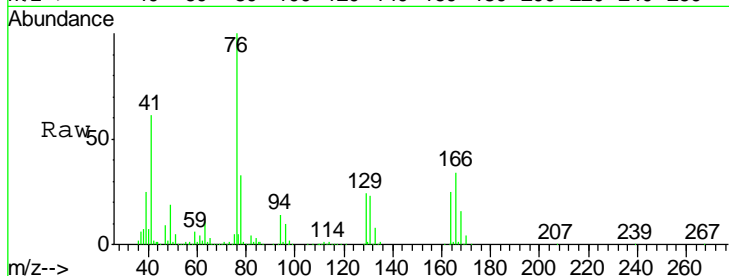
#57
 1,3-Dichloropropane
 Concen: 38.394 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion: 76 Resp: 223970
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.2 37.8

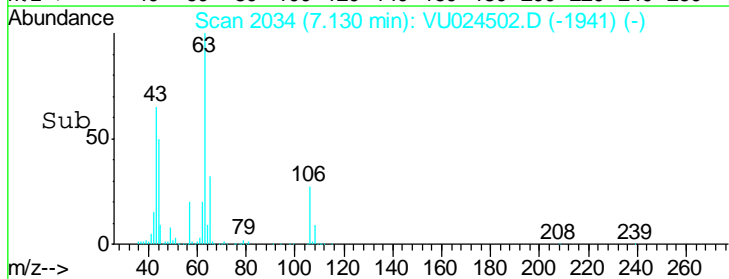
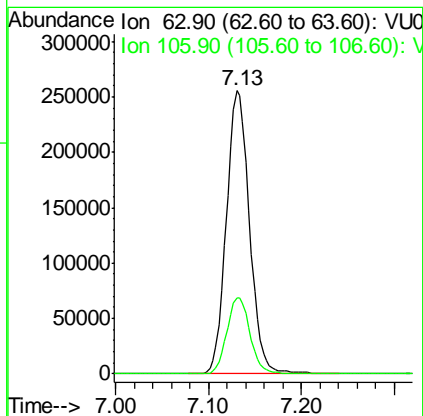
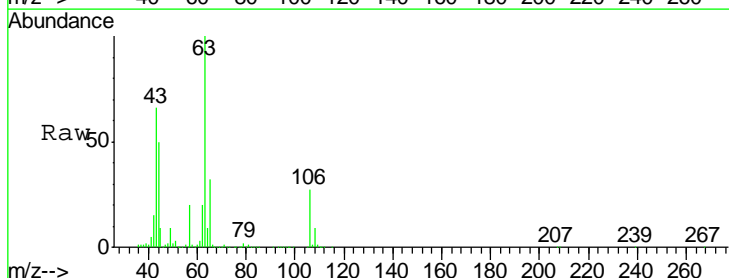
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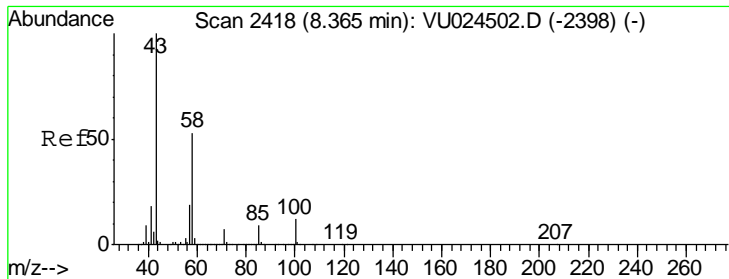
MMDadoda
 6/14/2018 9:44:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 194.311 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion: 63 Resp: 442436
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.2 30.2



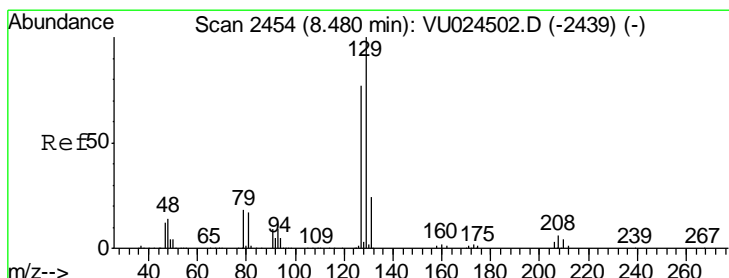
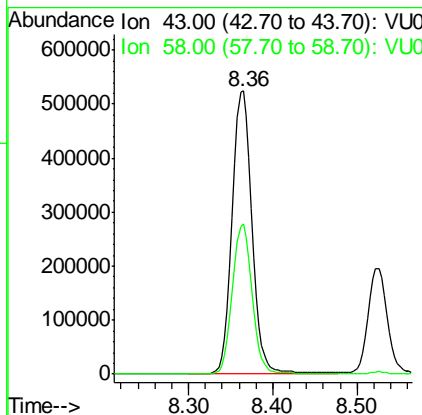
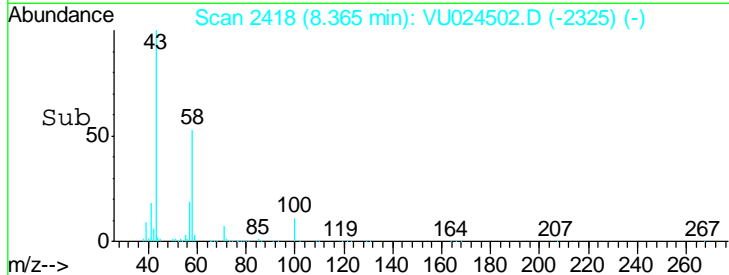
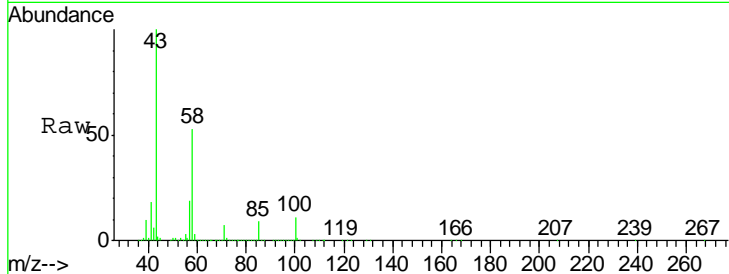


#59
 2-Hexanone
 Concen: 196.135 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion: 43 Resp: 855730
 Ion Ratio Lower Upper
 43 100
 58 52.8 26.4 79.0

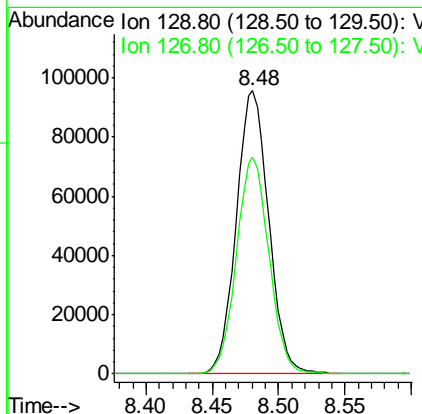
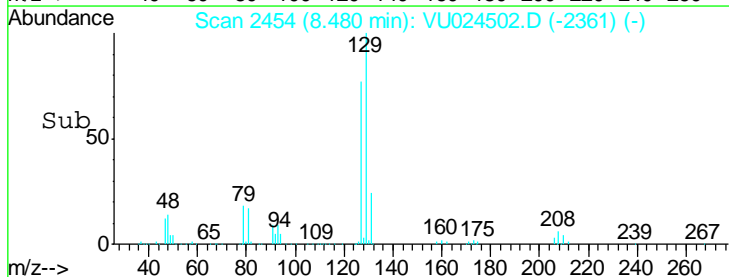
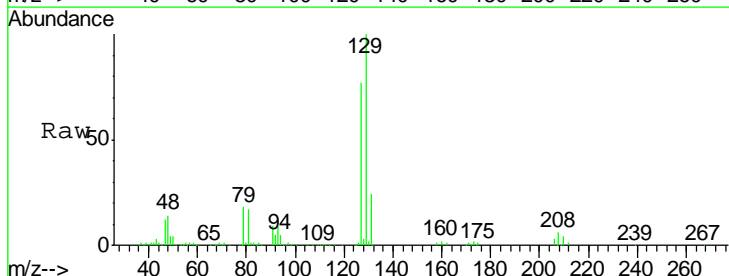
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

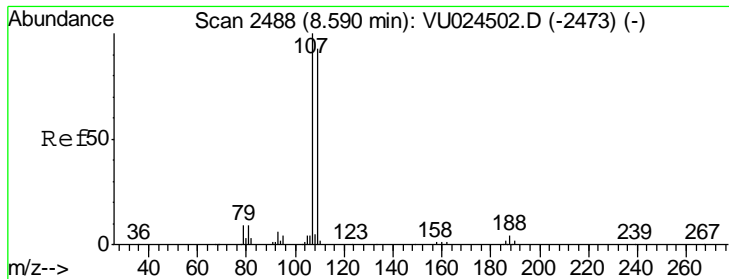
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#60
 Dibromochloromethane
 Concen: 47.132 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

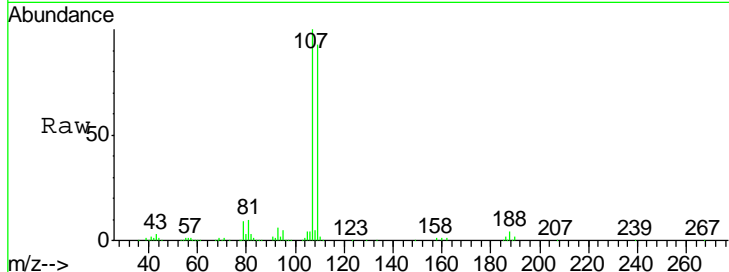
Tgt Ion: 129 Resp: 162447
 Ion Ratio Lower Upper
 129 100
 127 77.3 38.6 116.0





#61
 1,2-Dibromoethane
 Concen: 41.166 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

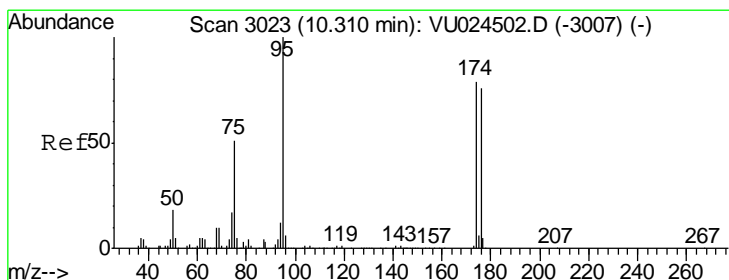
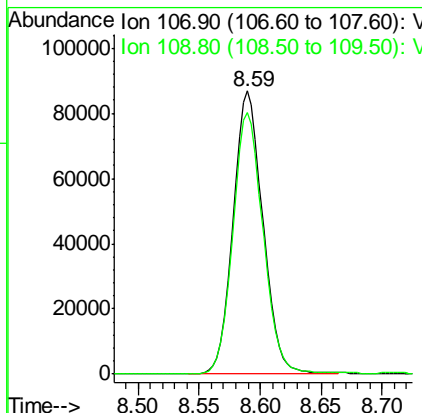
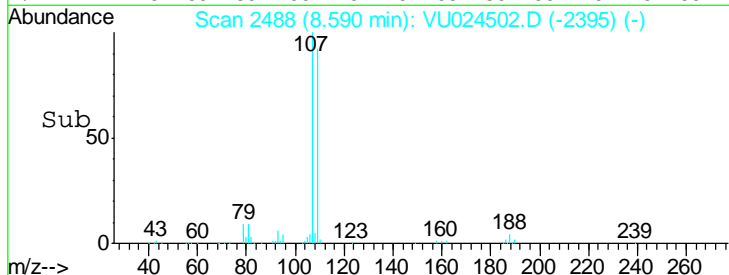
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050



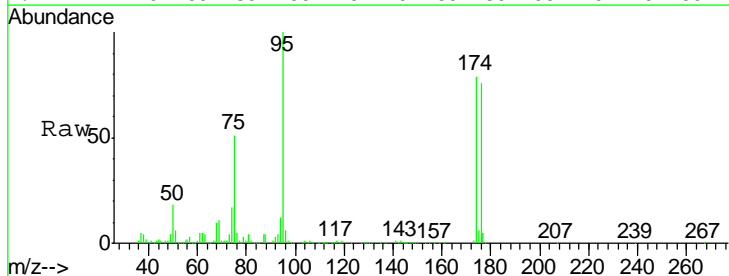
Tgt Ion: 107 Resp: 146257
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.5 111.7

Manual Integrations
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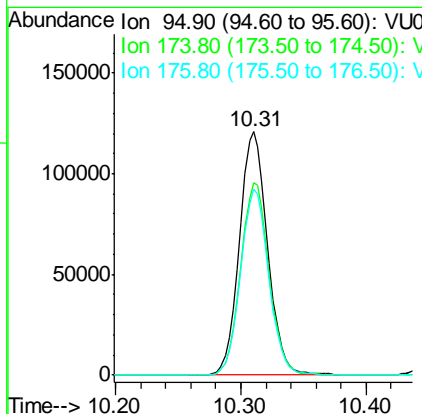
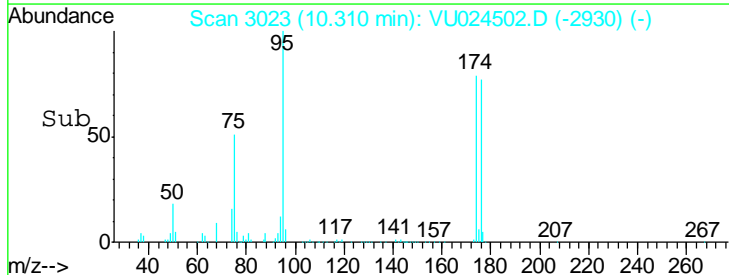
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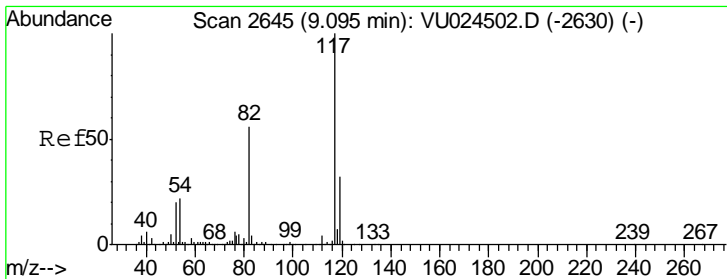


#62
 4-Bromofluorobenzene
 Concen: 42.923 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



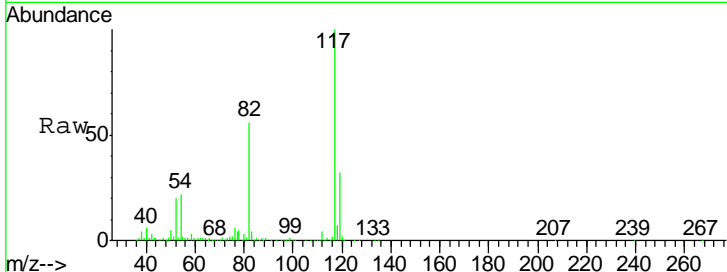
Tgt Ion: 95 Resp: 186247
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 165.8
 176 77.5 0.0 159.4





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

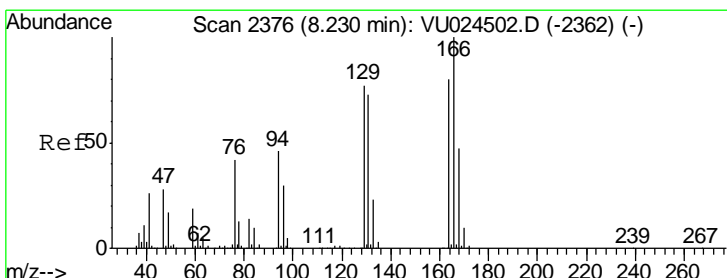
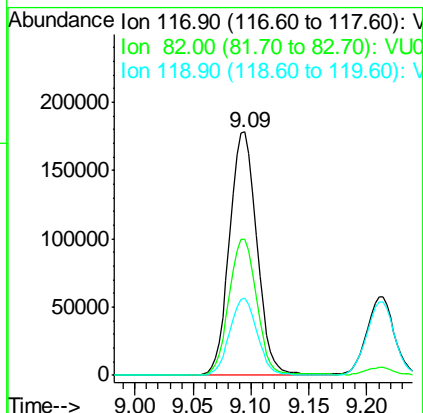
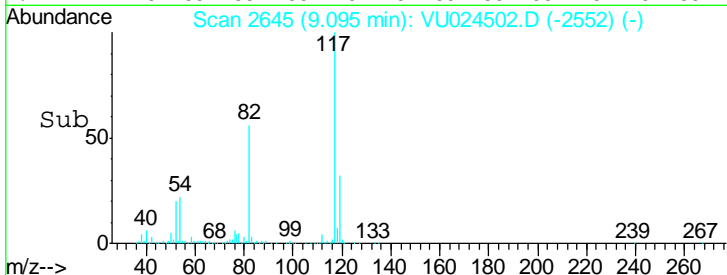
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050



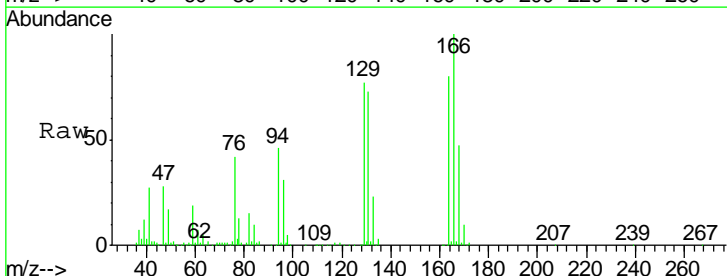
Tgt Ion: 117 Resp: 293080

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	31.7	25.4	38.2

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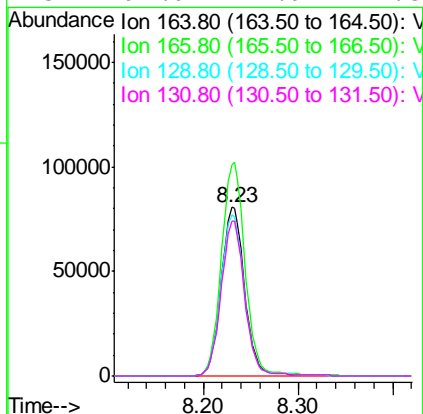
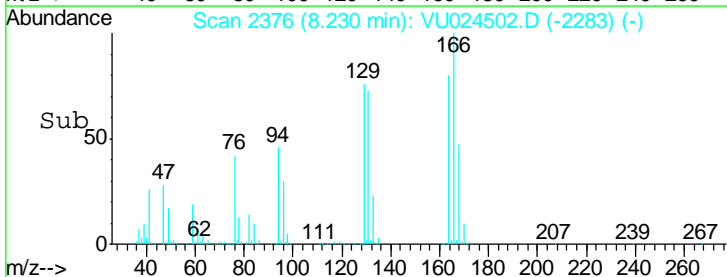


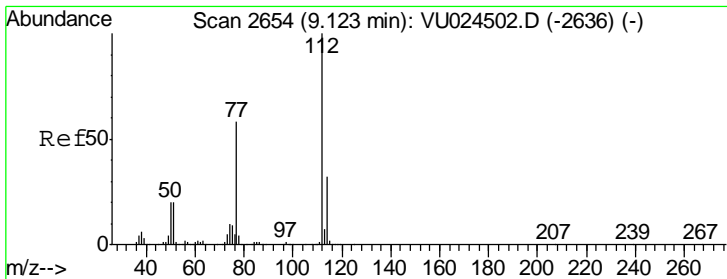
#64
 Tetrachloroethene
 Concen: 47.884 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 164 Resp: 139511

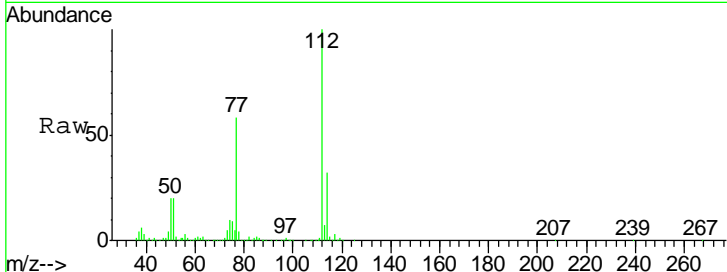
Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.7	152.5
129	96.0	76.9	115.3
131	91.9	74.9	112.3





#65
 Chlorobenzene
 Concen: 43.237 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

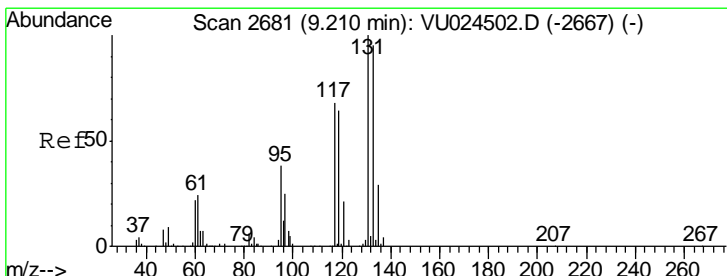
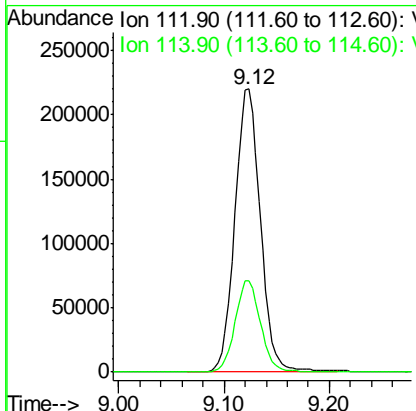
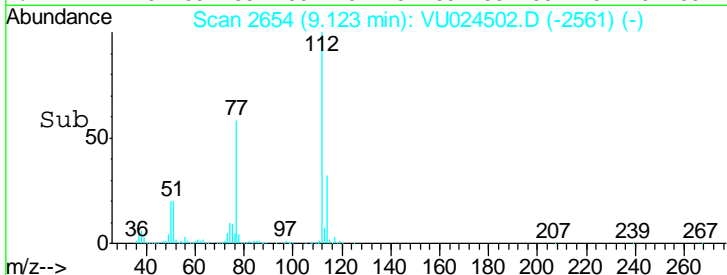
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC050



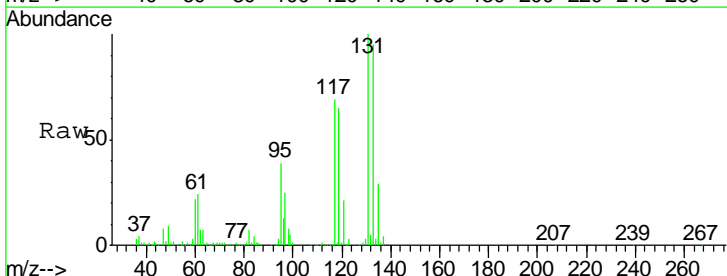
Tgt Ion:112 Resp: 368774
 Ion Ratio Lower Upper
 112 100
 114 32.2 25.6 38.4

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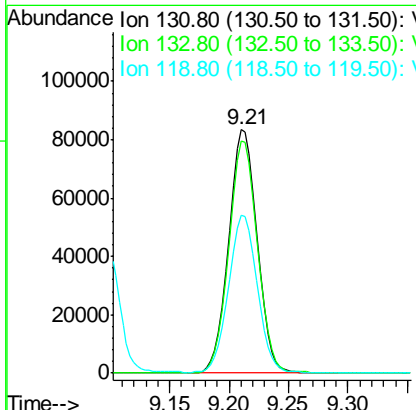
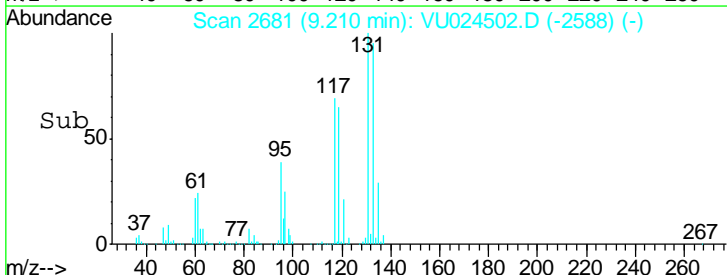
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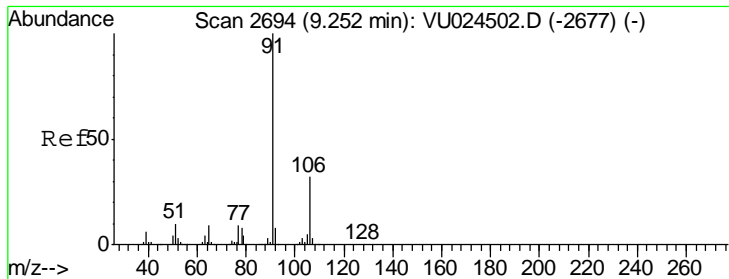


#66
 1,1,1,2-Tetrachloroethane
 Concen: 47.247 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion:131 Resp: 138316
 Ion Ratio Lower Upper
 131 100
 133 96.2 46.9 140.8
 119 65.7 33.5 100.4





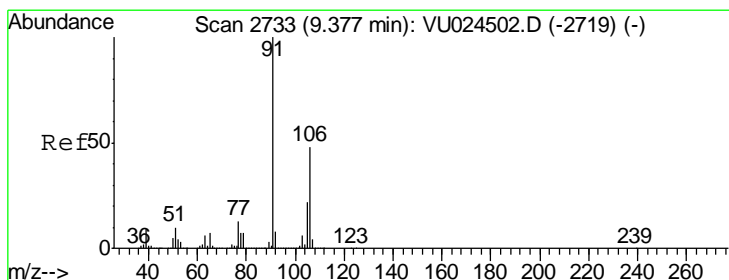
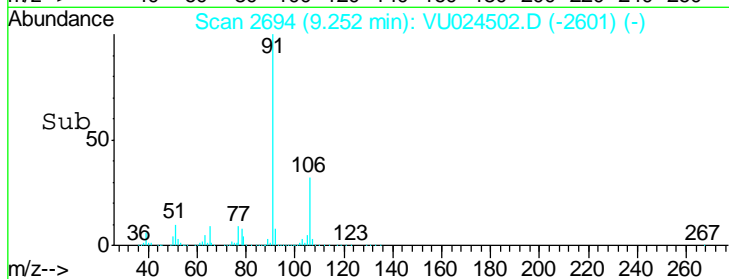
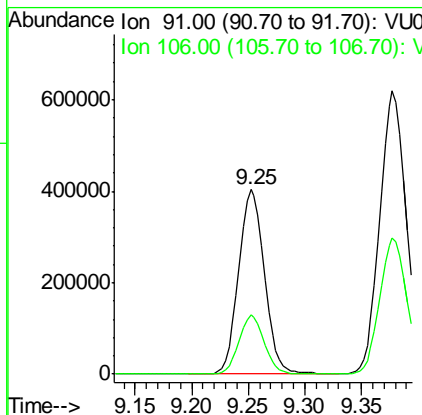
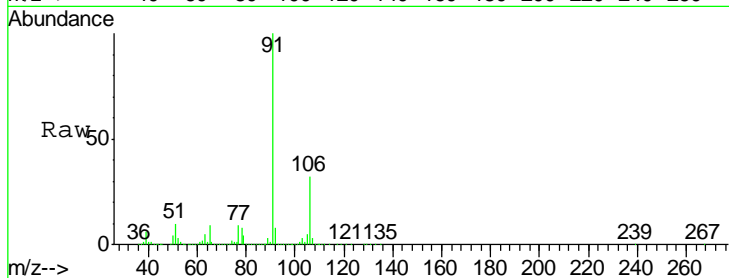
#67
 Ethyl Benzene
 Concen: 46.839 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.9	24.2	36.4

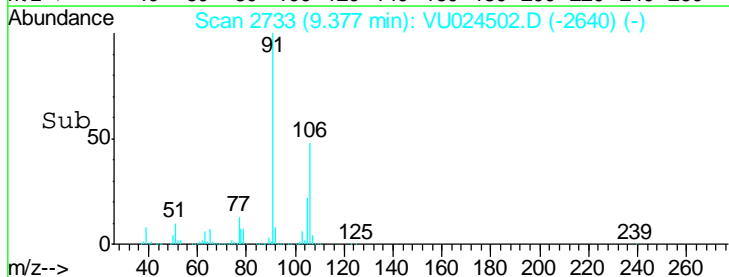
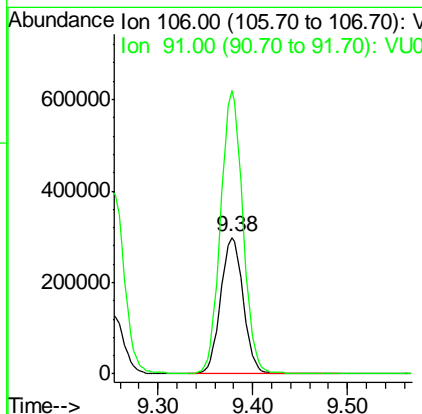
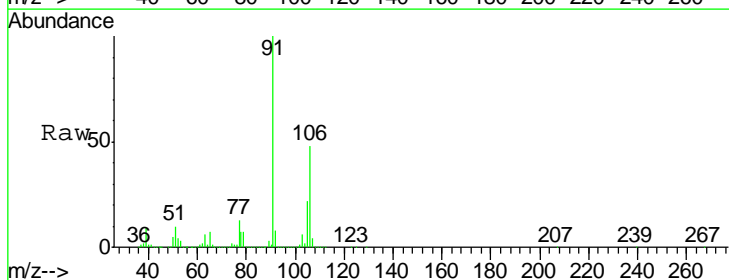
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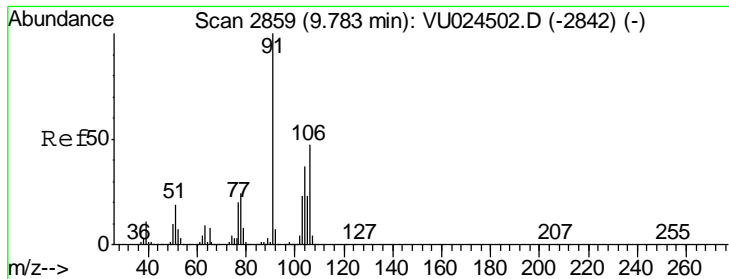
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#68
 m/p-Xylenes
 Concen: 94.464 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

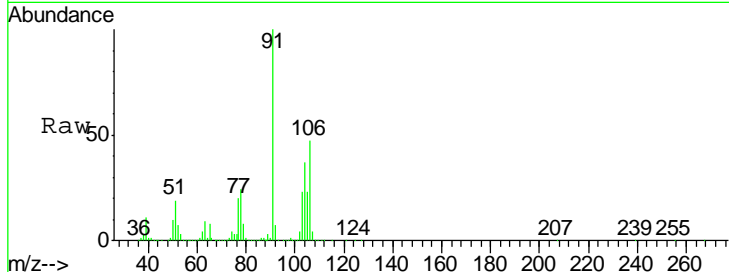
Tgt Ion	Resp	Lower	Upper
106	100		
91	204.6	166.5	249.7





#69
 o-Xylene
 Concen: 50.135 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

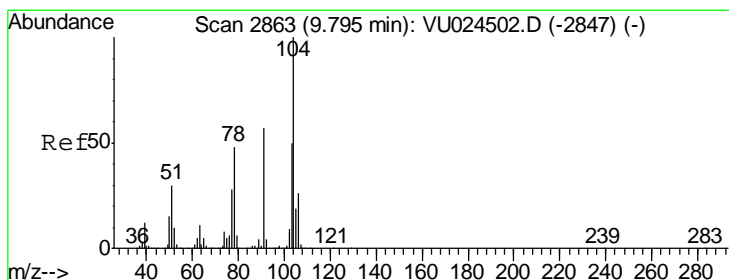
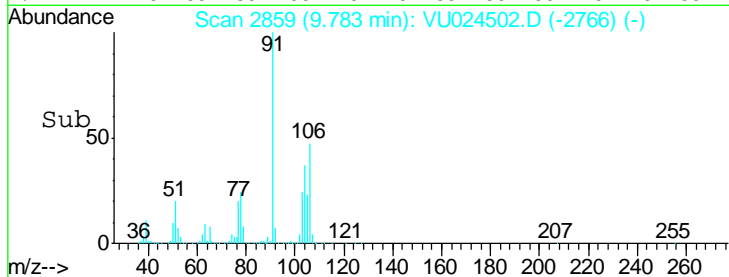
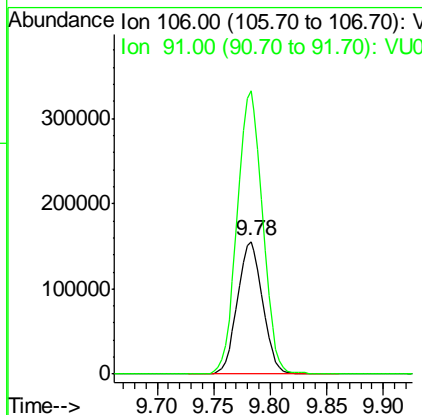


Tgt Ion: 106 Resp: 242084

Ion	Ratio	Lower	Upper
106	100		
91	216.0	110.7	331.9

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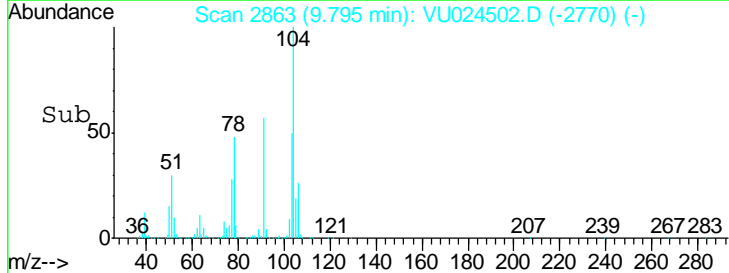
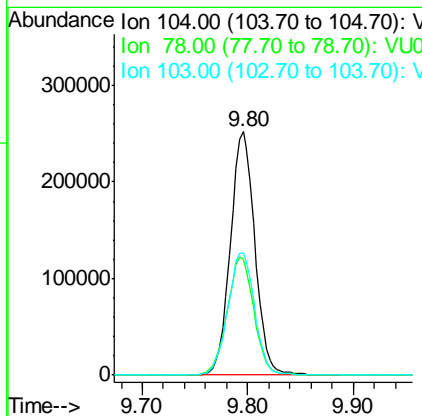
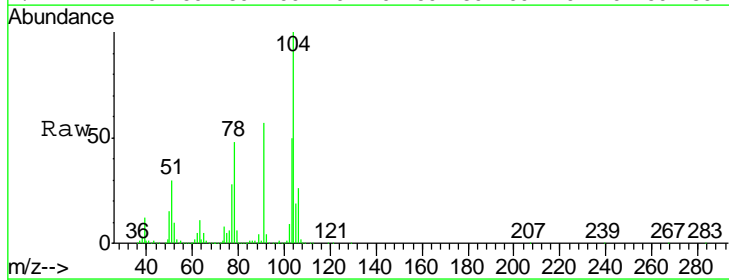
MMDadoda
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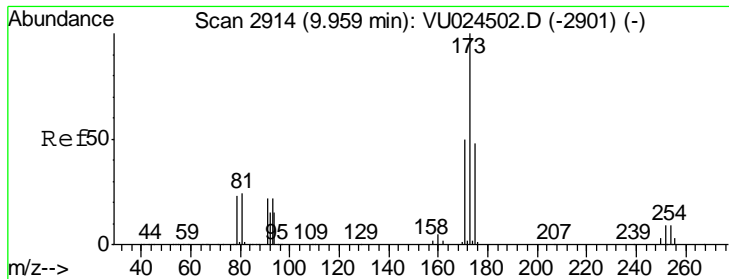


#70
 Styrene
 Concen: 49.257 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion: 104 Resp: 404963

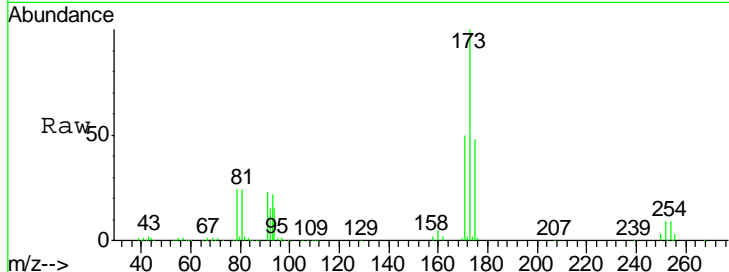
Ion	Ratio	Lower	Upper
104	100		
78	52.8	40.6	60.8
103	55.0	44.7	67.1





#71
 Bromoform
 Concen: 51.541 ug/l
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

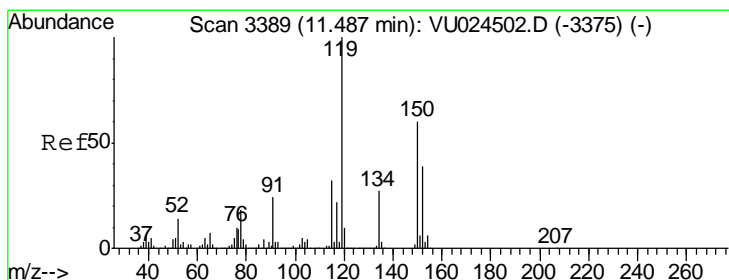
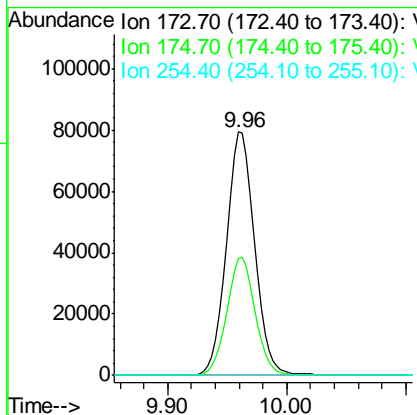
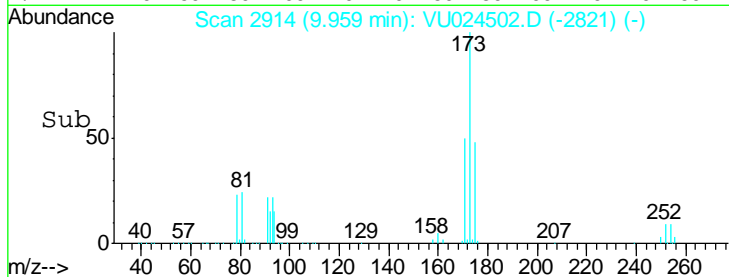
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC050



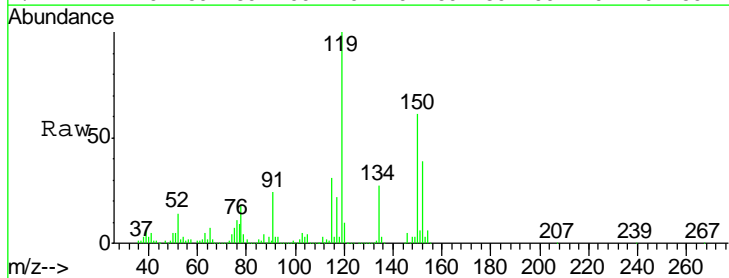
Tgt Ion	Resp	Lower	Upper
173	100		
175	48.7	24.6	74.0
254	0.0	0.0	0.0

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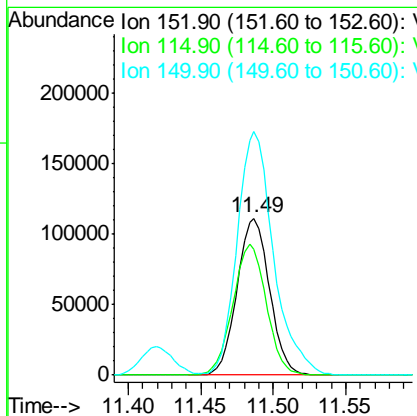
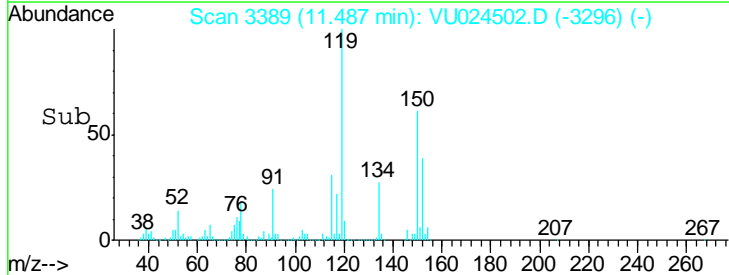
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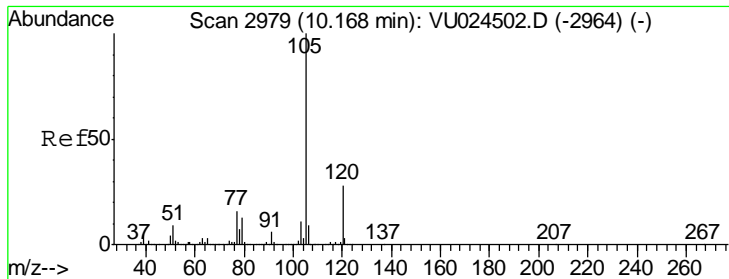


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion	Resp	Lower	Upper
152	100		
115	85.7	43.0	129.0
150	173.7	0.0	354.0





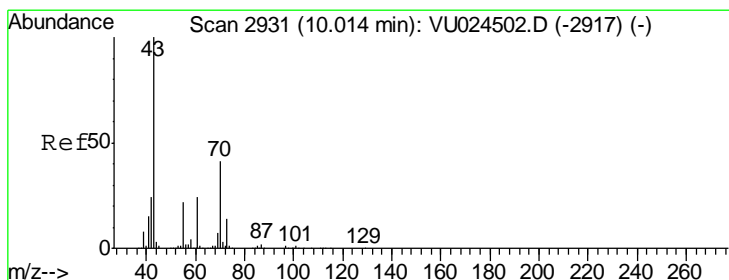
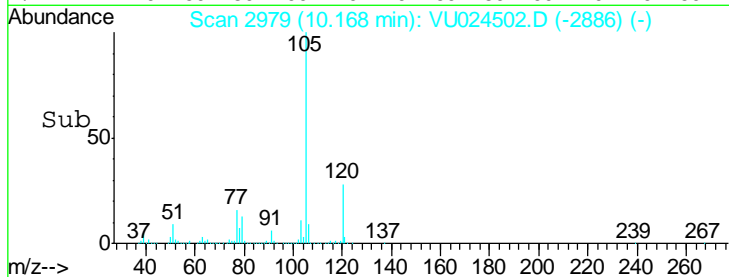
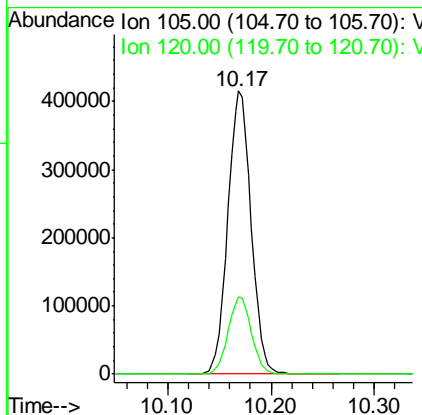
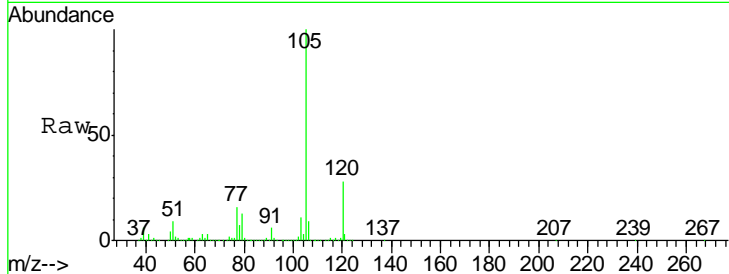
#73
 Isopropylbenzene
 Concen: 54.498 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	100		
120	27.3	13.2	39.6

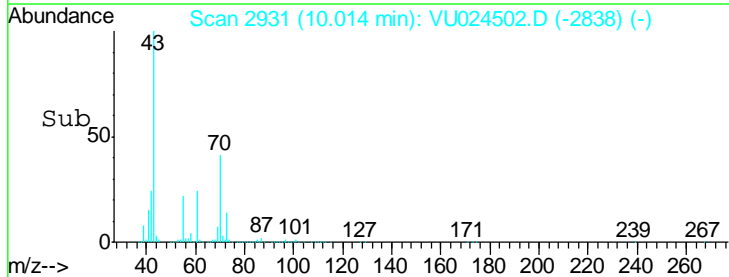
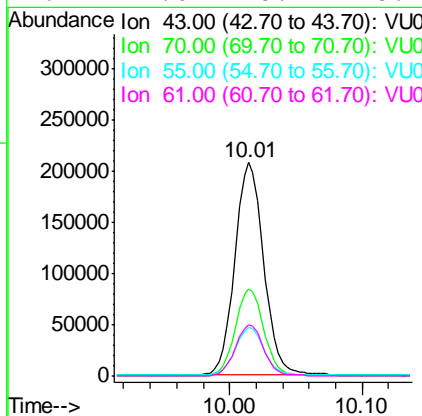
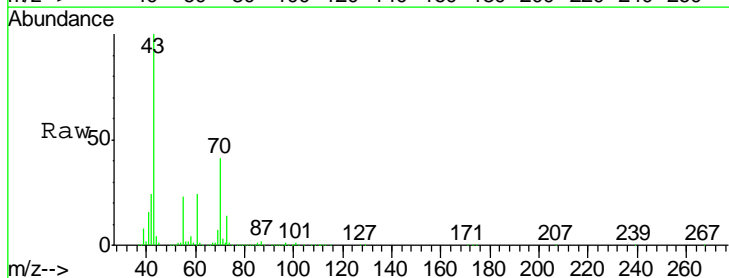
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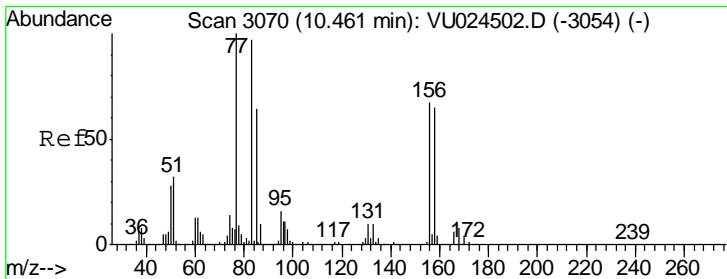
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#74
 N-nyl acetate
 Concen: 57.330 ug/l
 RT: 10.01 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

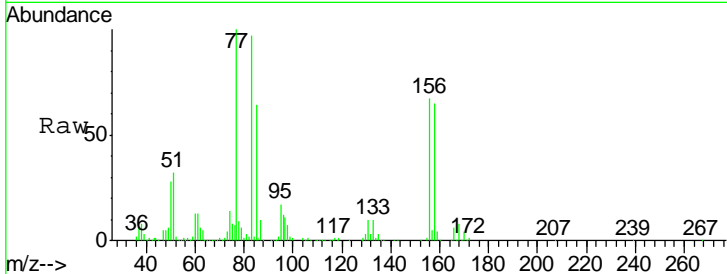
Tgt Ion	Resp	Lower	Upper
43	100		
70	40.7	32.2	48.4
55	22.1	20.5	30.7
61	24.0	18.7	28.1





#75
 1,1,2,2-Tetrachloroethane
 Concen: 40.836 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

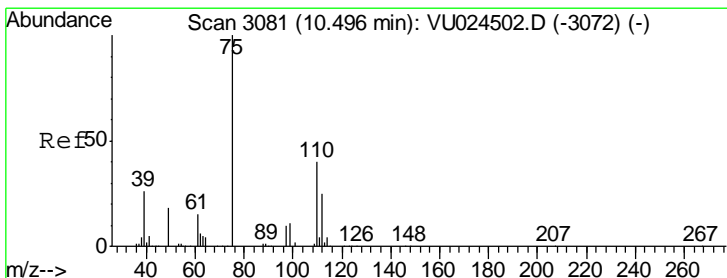
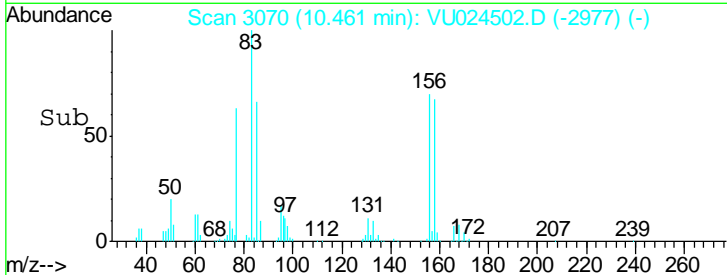
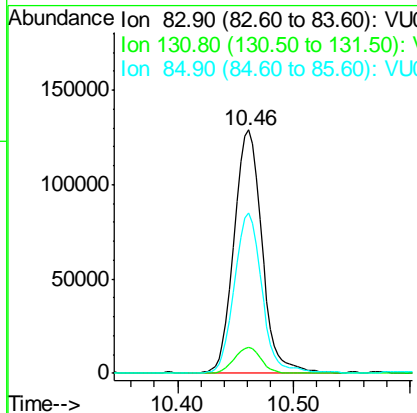
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050



Tgt Ion	Resp	Lower	Upper
83	100		
131	10.4	4.7	14.1
85	65.2	32.5	97.5

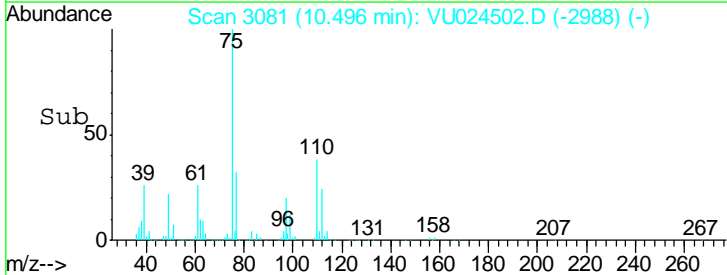
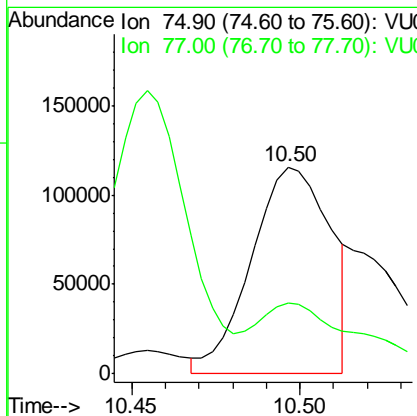
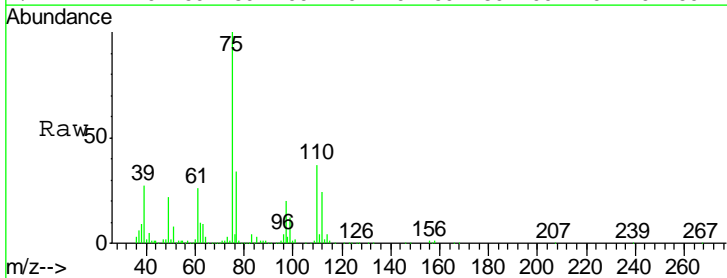
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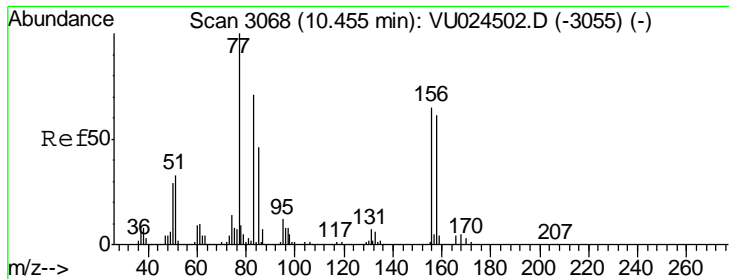
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#76
 1,2,3-Trichloropropane
 Concen: 51.774 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

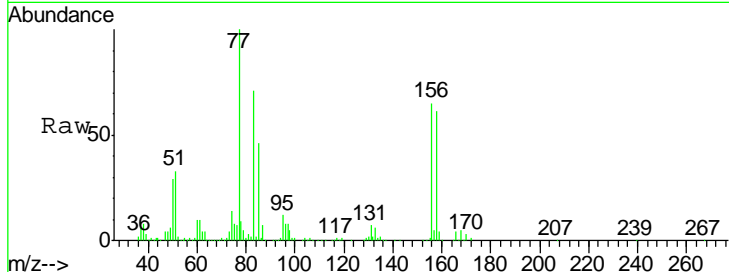
Tgt Ion	Resp	Lower	Upper
75	100		
77	43.7	20.9	62.7





#77
 Bromobenzene
 Concen: 49.999 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

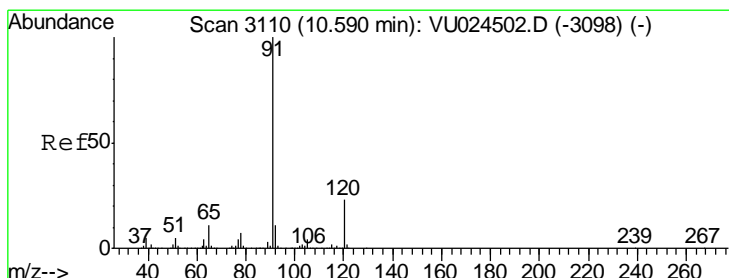
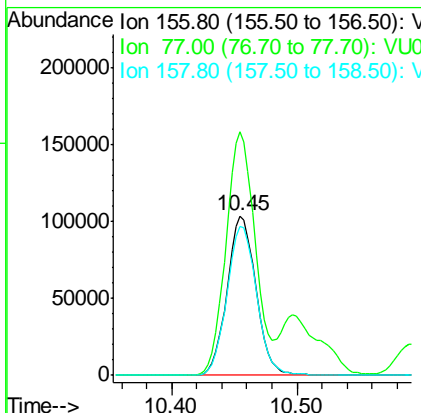
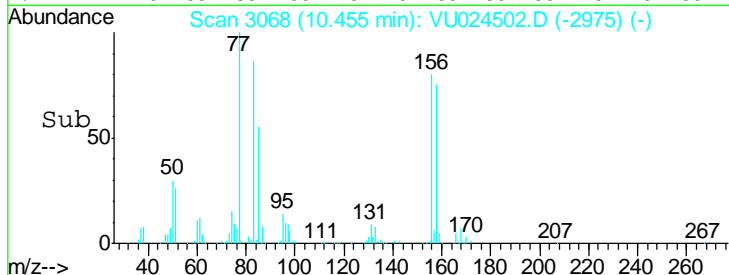
Instrument : MSVOA_U
 Client Sampled : VSTDICCC050



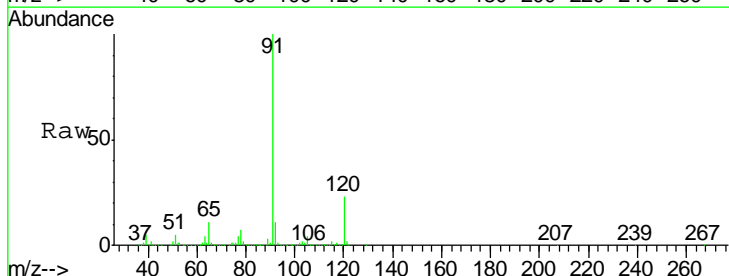
Tgt Ion: 156 Resp: 165582

Ion	Ratio	Lower	Upper
156	100		
77	154.0	80.5	241.3
158	96.1	48.2	144.6

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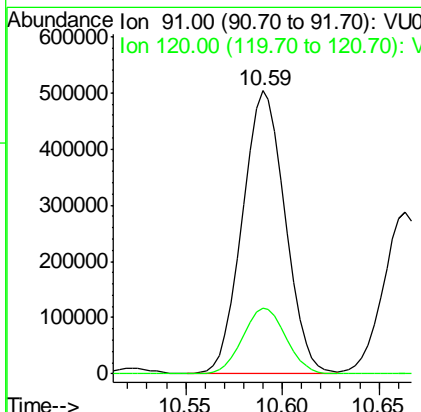
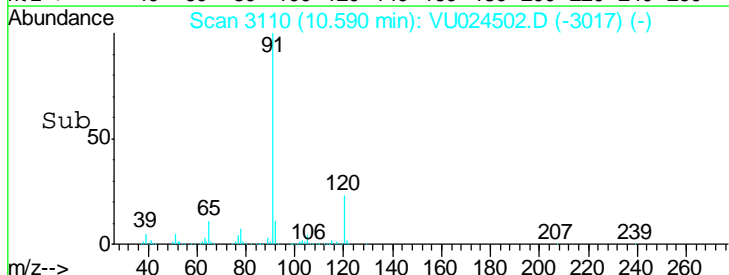


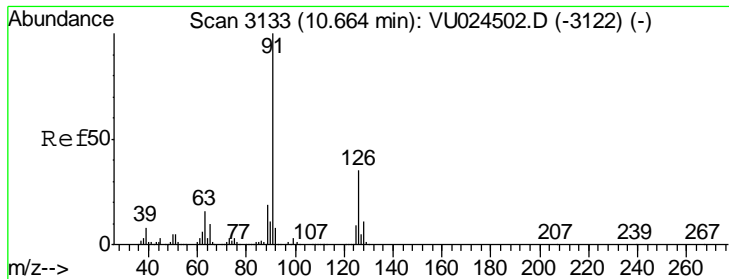
#78
 n-propylbenzene
 Concen: 52.128 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 91 Resp: 772923

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.2	33.5





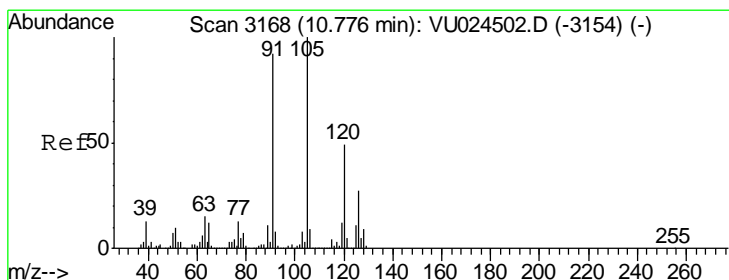
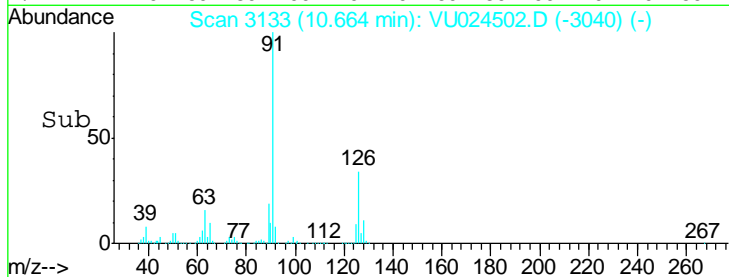
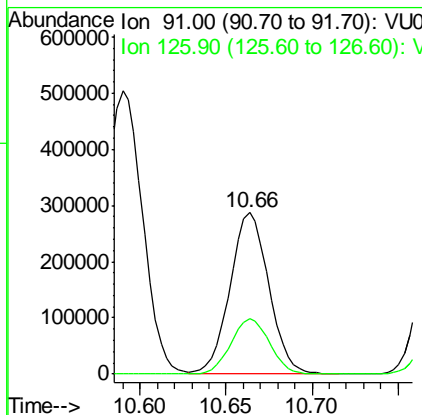
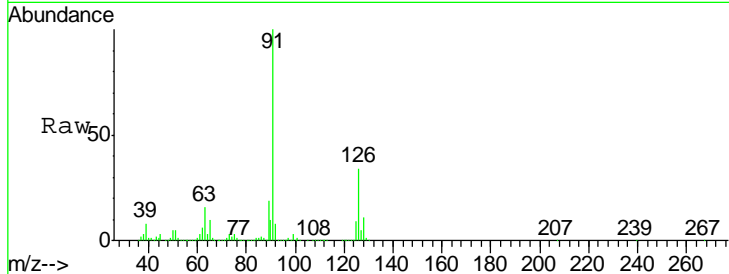
#79
 2-Chlorotoluene
 Concen: 49.888 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.7	16.9	50.7

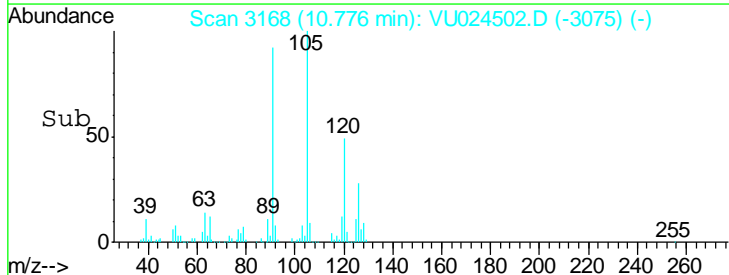
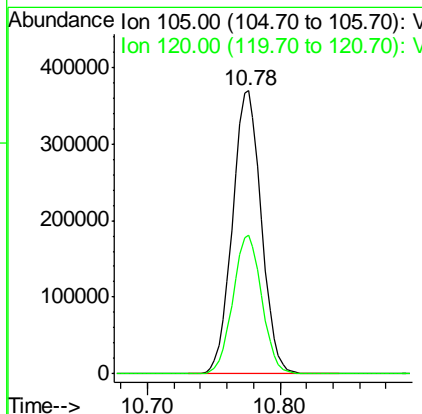
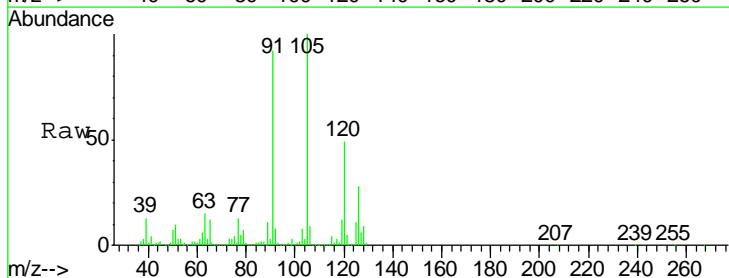
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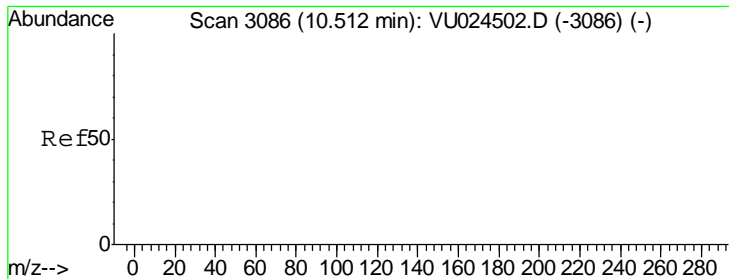
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.846 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.2	24.1	72.2





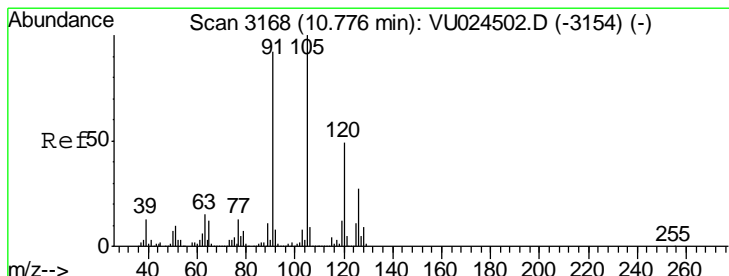
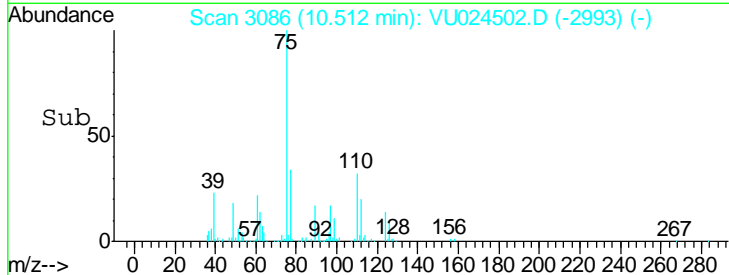
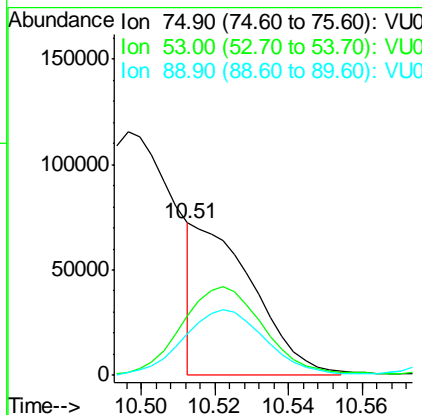
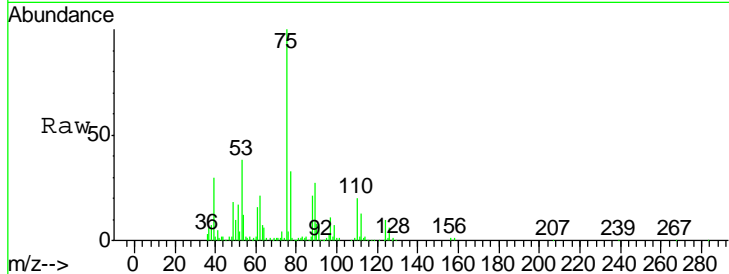
#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.976 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 ClientSampled : VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

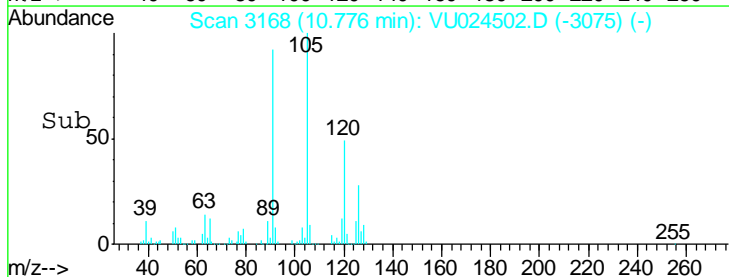
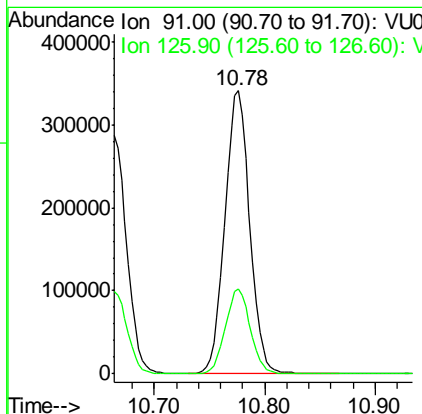
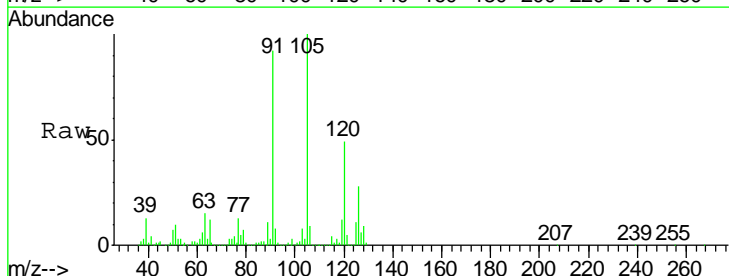
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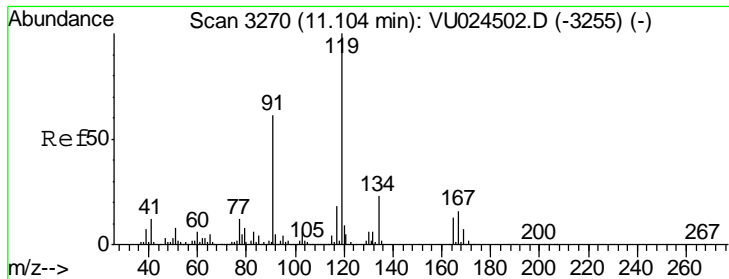
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#82
 4-Chlorotoluene
 Concen: 50.707 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

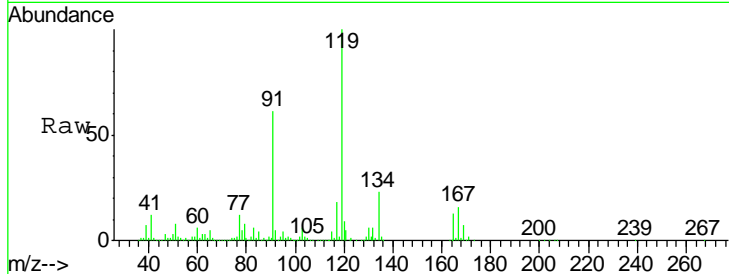
Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	14.9	44.9





#83
 tert-Butylbenzene
 Concen: 54.531 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

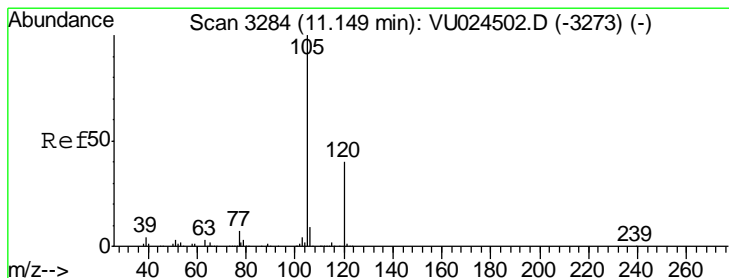
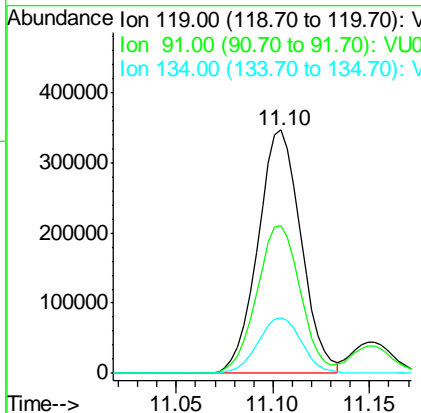
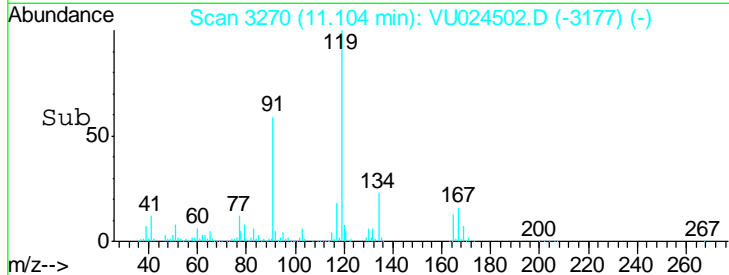
Instrument : MSVOA_U
 Client Sampled : VSTDICCC050



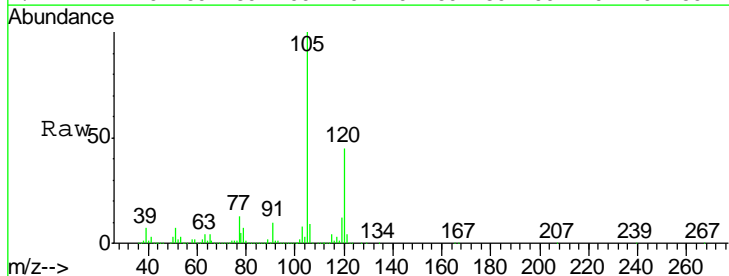
Tgt Ion: 119 Resp: 538380

Ion	Ratio	Lower	Upper
119	100		
91	61.0	29.7	89.1
134	23.1	11.6	34.7

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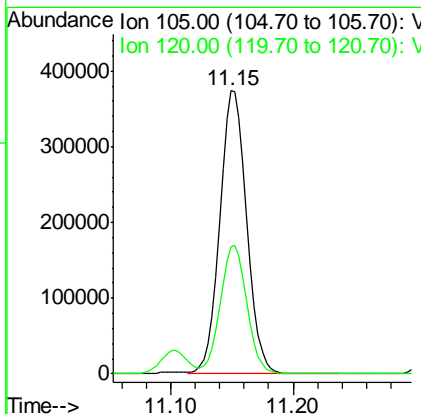
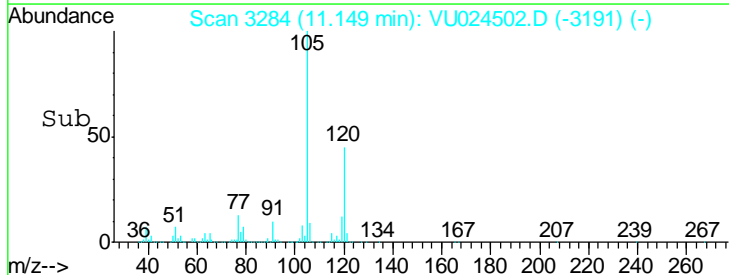


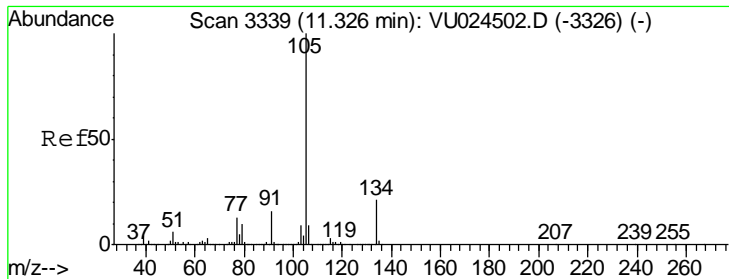
#84
 1,2,4-Trimethylbenzene
 Concen: 56.350 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 105 Resp: 577535

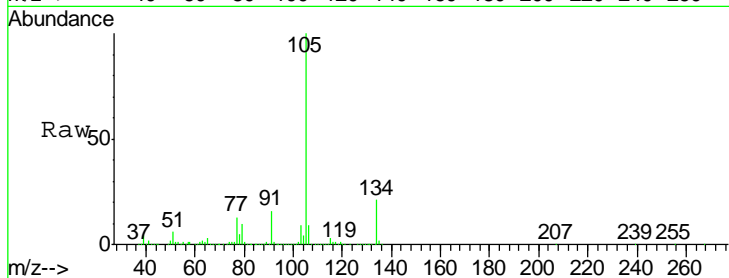
Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.8





#85
 sec-Butylbenzene
 Concen: 54.999 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

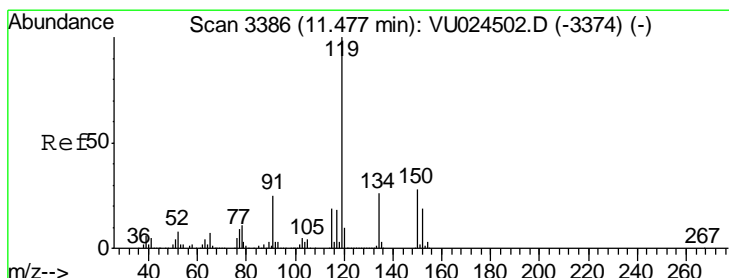
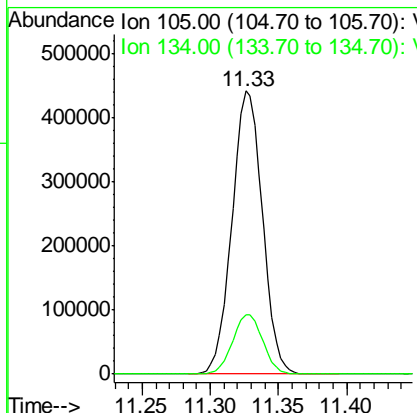
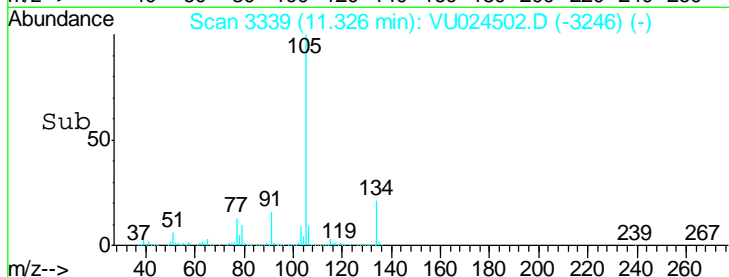
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050



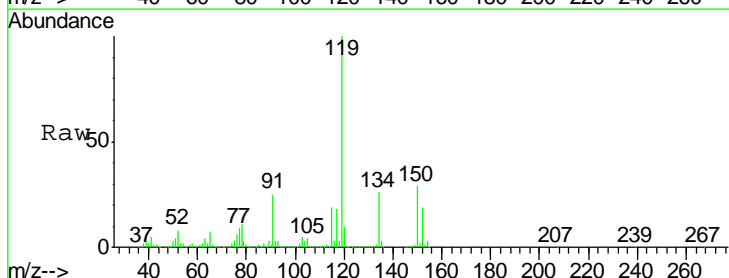
Tgt Ion: 105 Resp: 681754
 Ion Ratio Lower Upper
 105 100
 134 20.9 9.7 29.1

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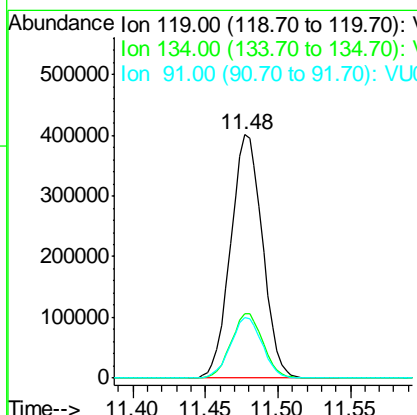
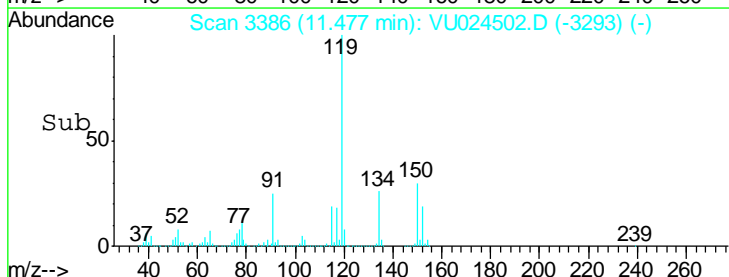
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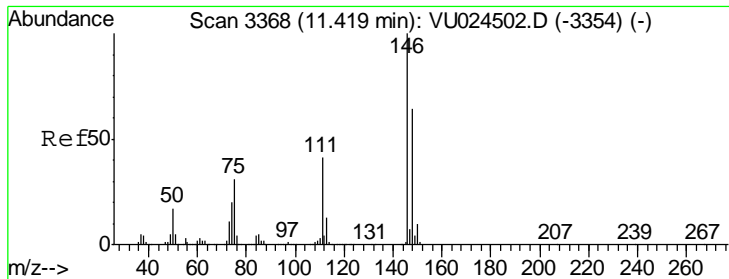


#86
 p-Isopropyltoluene
 Concen: 55.387 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 119 Resp: 606761
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.9 38.6
 91 24.8 12.0 36.1





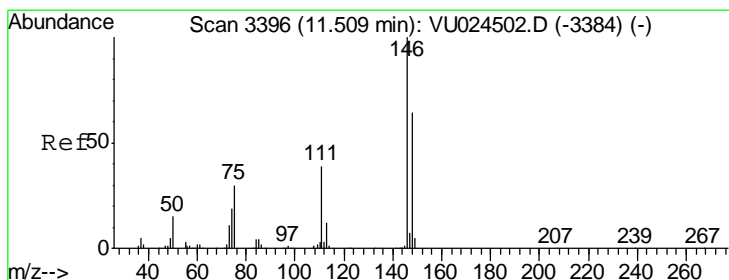
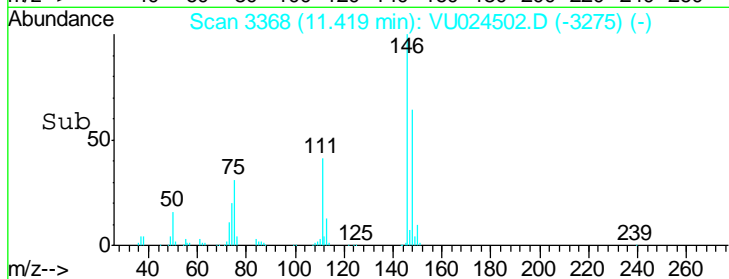
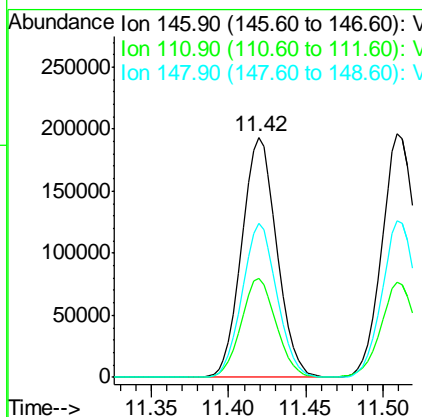
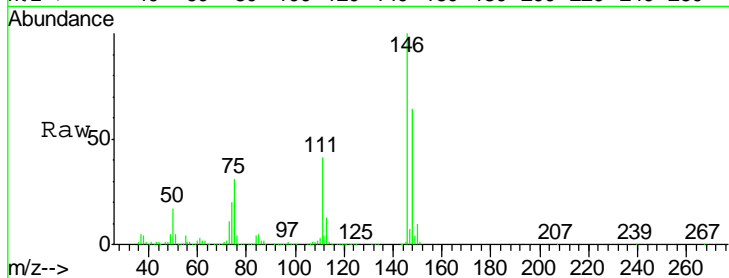
#87
 1,3-Dichlorobenzene
 Concen: 47.885 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	304794		
111	40.9	20.0	60.0
148	63.4	32.1	96.5

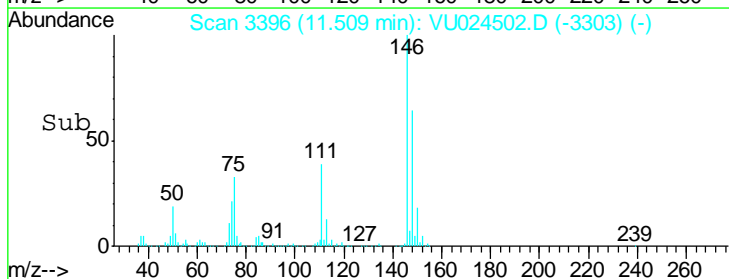
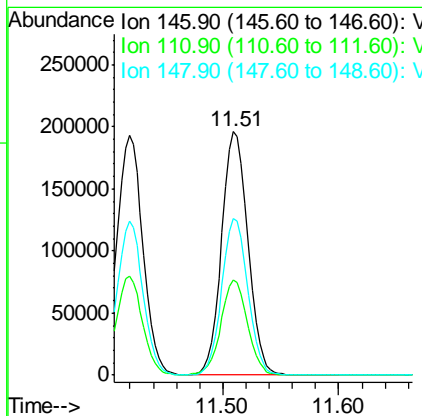
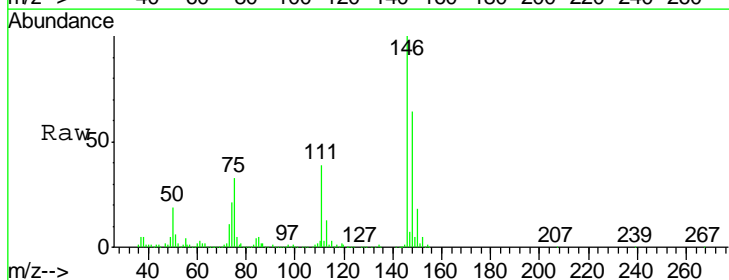
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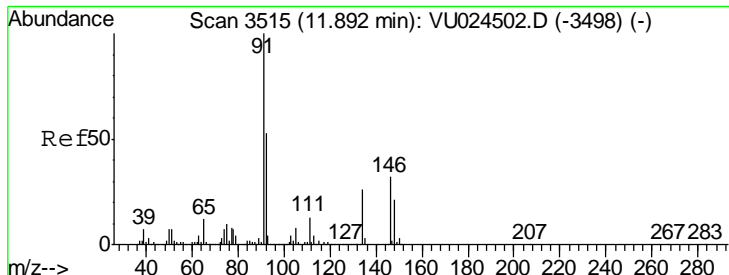
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#88
 1,4-Dichlorobenzene
 Concen: 46.048 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Tgt Ion	Resp	Lower	Upper
146	306820		
111	39.3	19.5	58.5
148	64.1	32.4	97.0





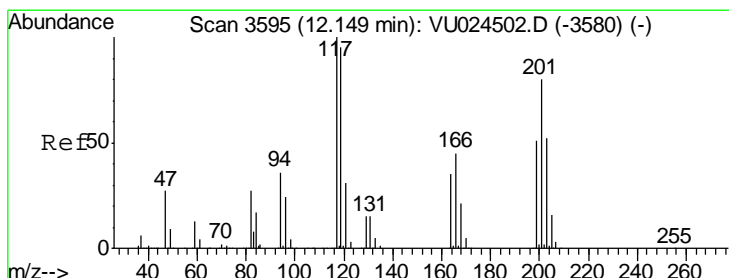
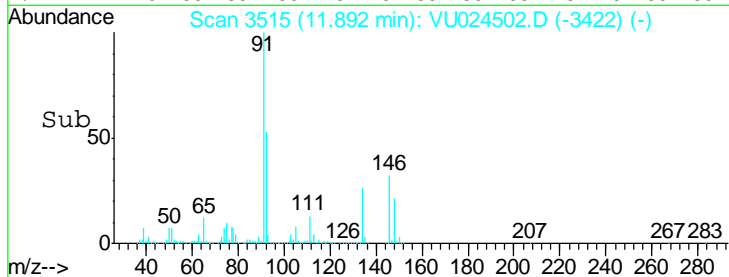
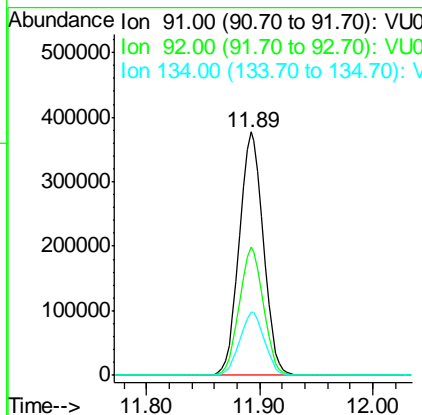
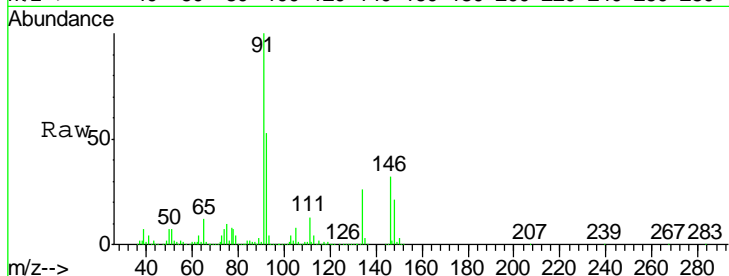
#89
 n-Butylbenzene
 Concen: 51.818 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

Instrument : MSVOA_U
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
92	52.8	25.6	76.8
134	26.6	12.3	36.8

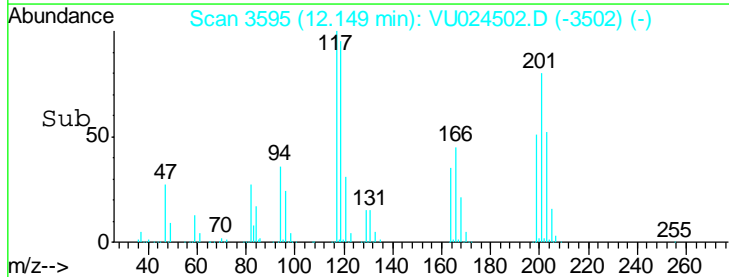
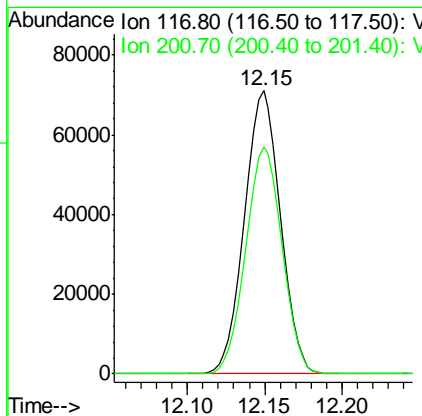
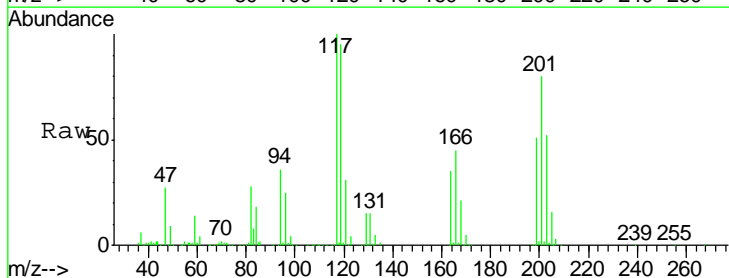
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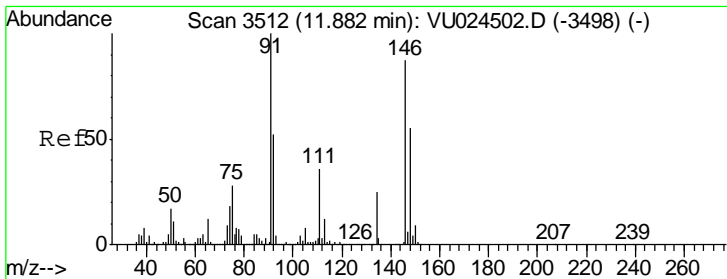
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#90
 Hexachloroethane
 Concen: 58.775 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

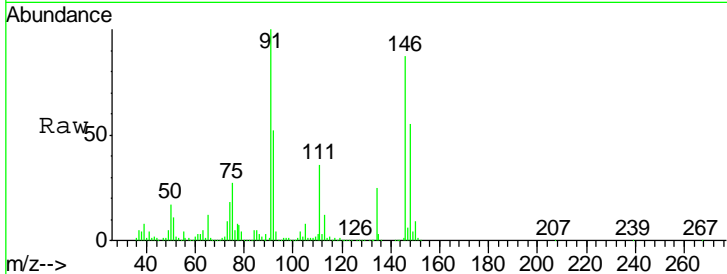
Tgt Ion	Resp	Lower	Upper
117	100		
201	81.2	41.1	123.3





#91
 1,2-Dichlorobenzene
 Concen: 47.504 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

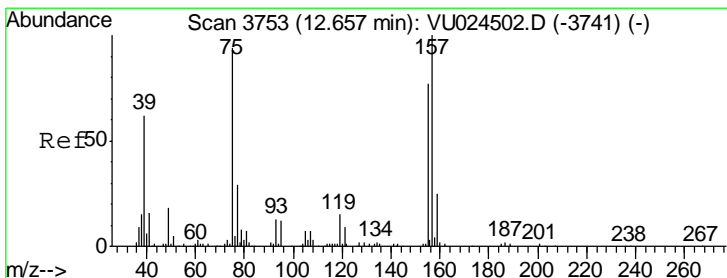
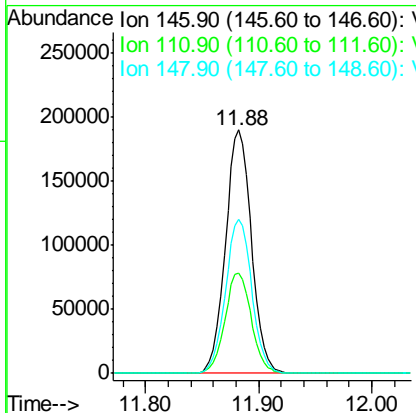
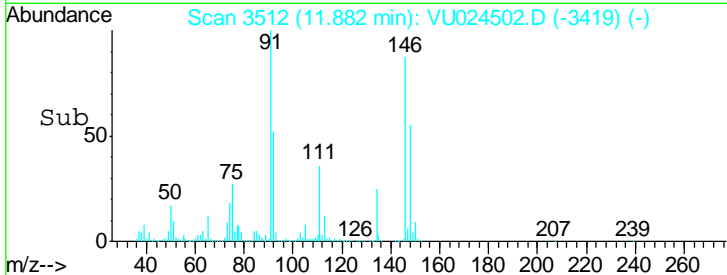
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050



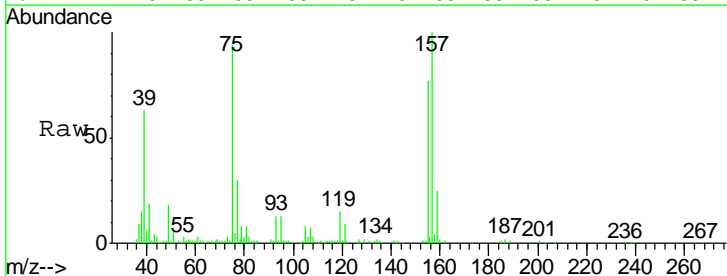
Tgt Ion: 146 Resp: 302359

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	64.0	31.9	95.7

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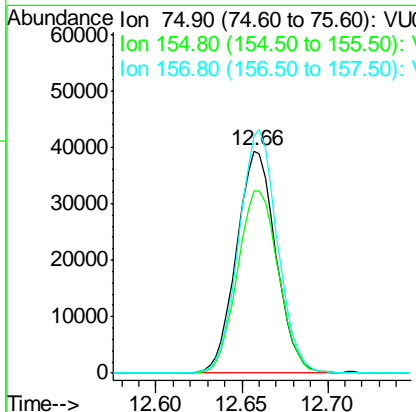
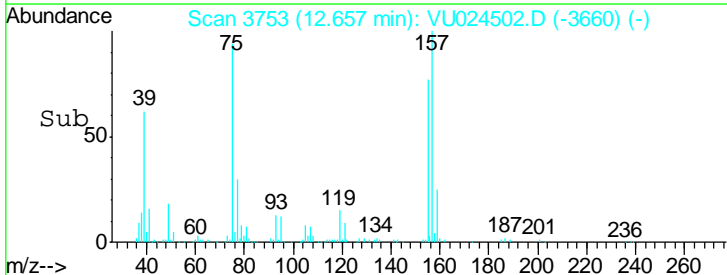


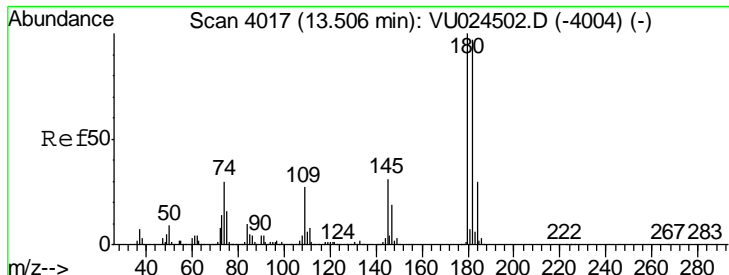
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.045 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 75 Resp: 62519

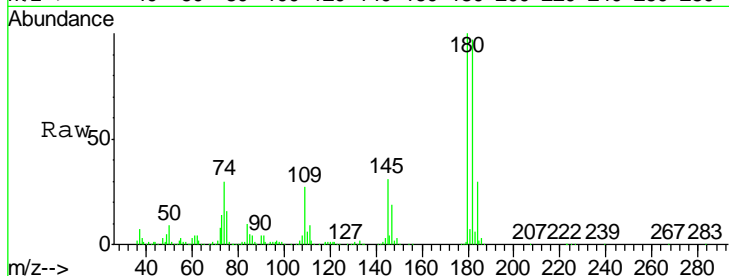
Ion	Ratio	Lower	Upper
75	100		
155	85.3	40.4	121.2
157	107.4	52.3	156.8





#93
 1,2,4-Trichlorobenzene
 Concen: 56.286 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

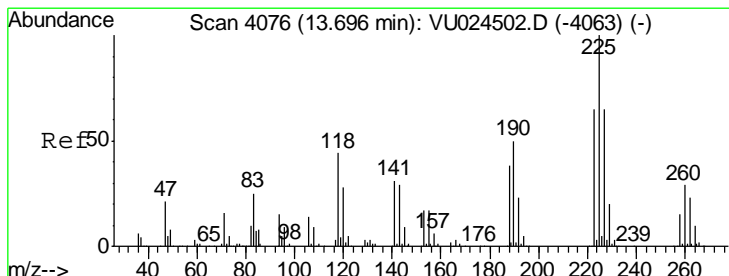
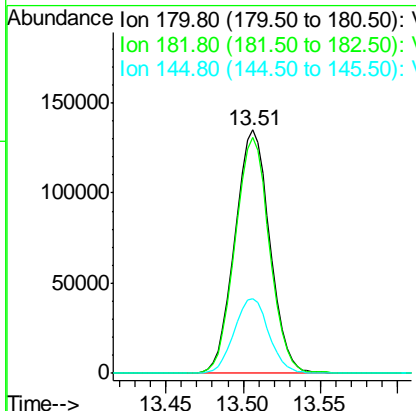
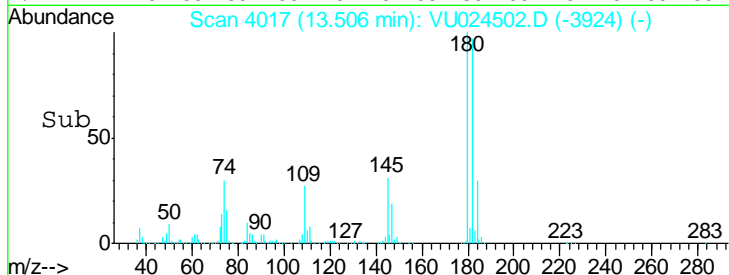
Instrument : MSVOA_U
 Client Sampled : VSTDICCC050



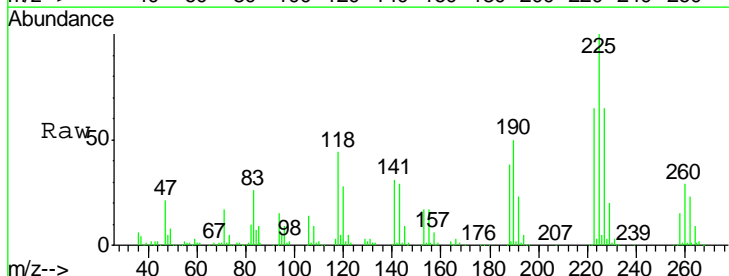
Tgt Ion: 180 Resp: 211618

Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.2
145	30.7	14.7	44.1

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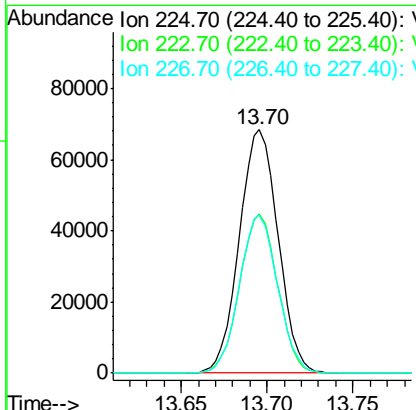
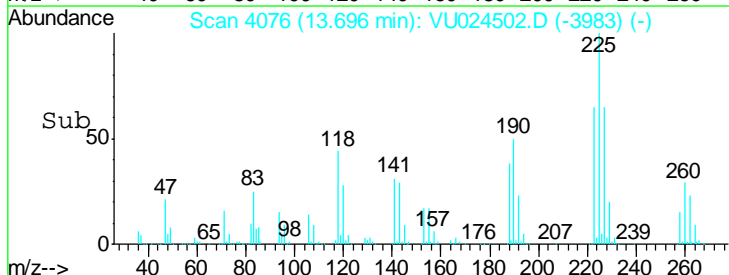


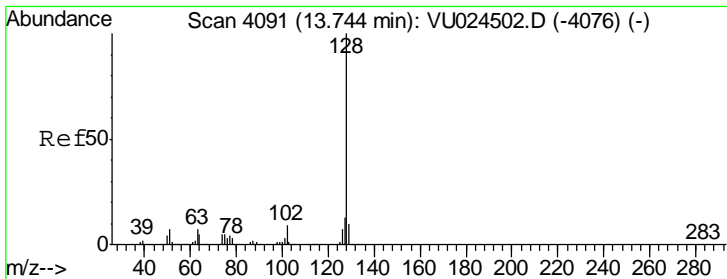
#94
 Hexachlorobutadiene
 Concen: 48.104 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion: 225 Resp: 107429

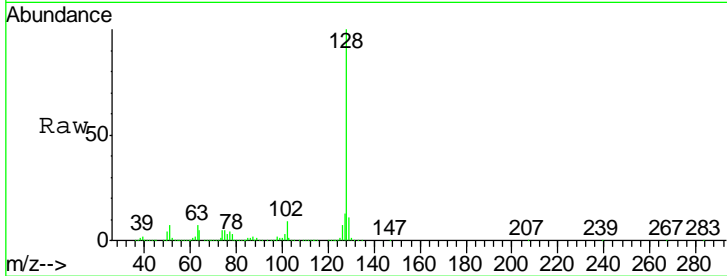
Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.3	93.8
227	63.8	31.8	95.4





#95
 Naphthalene
 Concen: 63.651 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42

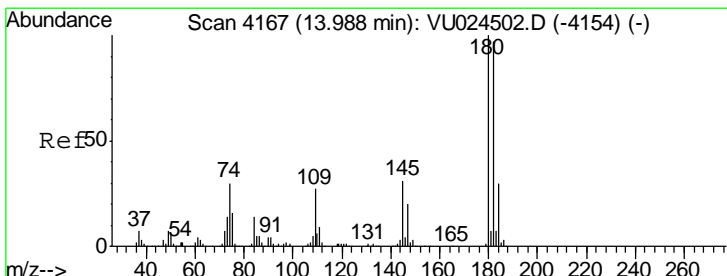
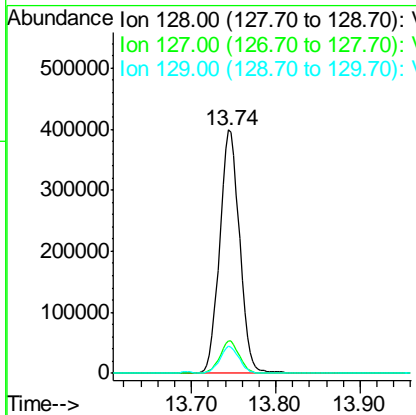
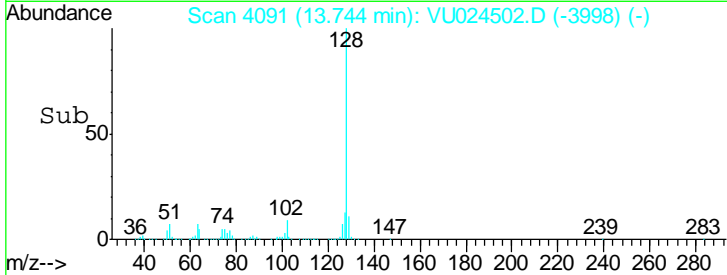
Instrument : MSVOA_U
 ClientSampled : VSTDICCC050



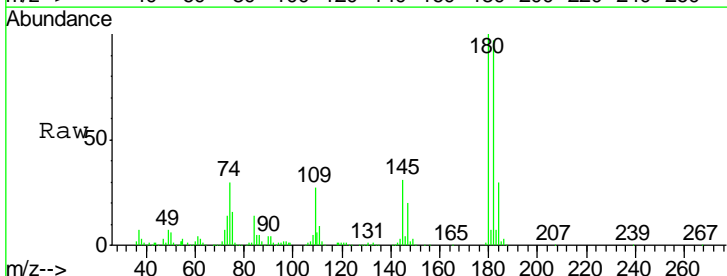
Tgt Ion:128 Resp: 654365

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.7	8.6	12.8

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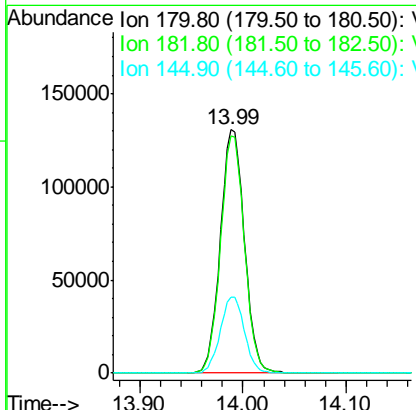
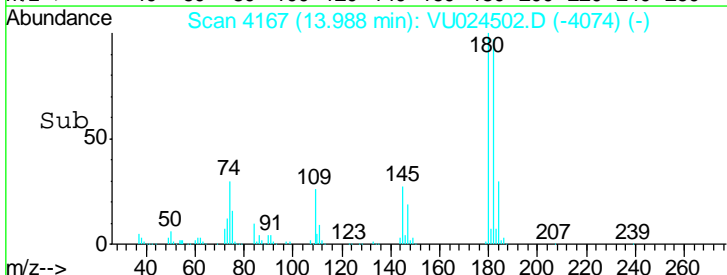


#96
 1,2,3-Trichlorobenzene
 Concen: 56.094 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. 0.00 min
 Lab File: VU024502.D
 Acq: 13 Jun 2018 12:42



Tgt Ion:180 Resp: 213108

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.7
145	31.4	15.4	46.1



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024503.D
 Acq On : 13 Jun 2018 13:05
 Operator : MD/SY
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:37 AM

Quant Time: Jun 13 13:30:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:15:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	311868	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	299176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	187056	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	314073	81.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	162.22%	
35) Dibromofluoromethane	4.89	113	254696	79.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.04%	
50) Toluene-d8	7.57	98	932408	77.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.78%	
62) 4-Bromofluorobenzene	10.31	95	374746	85.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	171.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	230228	77.661	ug/l	100
3) Chloromethane	1.33	50	221992	64.265	ug/l	99
4) Vinyl Chloride	1.40	62	242722	63.118	ug/l	98
5) Bromomethane	1.61	94	131557	62.254	ug/l	98
6) Chloroethane	1.69	64	141311	54.323	ug/l	99
7) Trichlorofluoromethane	1.88	101	361651	69.255	ug/l	99
8) Diethyl Ether	2.10	74	130767	62.638	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.28	101	222248	76.459	ug/l	98
10) Methyl Iodide	2.41	142	217703	118.123	ug/l	99
11) Tert butyl alcohol	2.83	59	347956	472.998	ug/l	99
12) 1,1-Dichloroethene	2.28	96	211583	77.699	ug/l	94
13) Acrolein	2.19	56	194279	253.706	ug/l	99
14) Allyl chloride	2.59	41	385677	83.480	ug/l	97
15) Acrylonitrile	2.94	53	736096	374.638	ug/l	99
16) Acetone	2.32	43	793100	320.802	ug/l	99
17) Carbon Disulfide	2.48	76	675699	80.653	ug/l	99
18) Methyl Acetate	2.62	43	350833	71.409	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	796449	93.072	ug/l	96
20) Methylene Chloride	2.70	84	242153	71.282	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	230492	78.885	ug/l	97
22) Diisopropyl ether	3.57	45	779368	83.721	ug/l	98
23) Vinyl Acetate	3.53	43	3547887	518.569	ug/l	99
24) 1,1-Dichloroethane	3.45	63	448293	76.915	ug/l	99
25) 2-Butanone	4.26	43	1126583	381.082	ug/l	97
26) 2,2-Dichloropropane	4.23	77	418809	94.249	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	267096	84.125	ug/l	100
28) Bromochloromethane	4.55	49	203492	95.338	ug/l	89
29) Tetrahydrofuran	4.63	42	672106	398.396	ug/l	97
30) Chloroform	4.68	83	452996	76.709	ug/l	99
31) Cyclohexane	5.00	56	412430	71.355	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	416490	87.688	ug/l	96
36) 1,1-Dichloropropene	5.14	75	344413	77.385	ug/l	98
37) Ethyl Acetate	4.38	43	400888	80.338	ug/l	97
38) Carbon Tetrachloride	5.14	117	383033	90.380	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024503.D
 Acq On : 13 Jun 2018 13:05
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:37 AM

Quant Time: Jun 13 13:30:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:15:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	420908	87.532	ug/l	95
40) Benzene	5.39	78	984314	73.376	ug/l	99
41) Methacrylonitrile	4.54	41	217154	77.649	ug/l	98
42) 1,2-Dichloroethane	5.41	62	373948	72.787	ug/l	100
43) Isopropyl Acetate	5.55	43	653324	85.966	ug/l	98
44) Trichloroethene	6.19	130	277256	79.323	ug/l	98
45) 1,2-Dichloropropane	6.44	63	263974	73.219	ug/l	99
46) Dibromomethane	6.56	93	187960	78.749	ug/l	98
47) Bromodichloromethane	6.76	83	373188	80.815	ug/l	99
48) Methyl methacrylate	6.63	41	318712	85.544	ug/l	98
49) 1,4-Dioxane	6.62	88	119671	1522.509	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	2051613	374.175	ug/l	99
52) Toluene	7.64	92	633526	79.577	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	432910	90.148	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	446031	85.124	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	252909	74.050	ug/l	99
56) Ethyl methacrylate	8.02	69	435195	97.768	ug/l	99
57) 1,3-Dichloropropane	8.25	76	433449	73.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	865437	378.026	ug/l	96
59) 2-Hexanone	8.36	43	1683447	383.759	ug/l	99
60) Dibromochloromethane	8.48	129	316738	91.399	ug/l	100
61) 1,2-Dibromoethane	8.59	107	284733	79.708	ug/l	99
64) Tetrachloroethene	8.23	164	265873	89.396	ug/l	99
65) Chlorobenzene	9.12	112	717250	82.382	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	268812	89.951	ug/l	97
67) Ethyl Benzene	9.25	91	1237463	88.151	ug/l	97
68) m/p-Xylenes	9.38	106	964415	180.350	ug/l	97
69) o-Xylene	9.78	106	477305	96.835	ug/l	94
70) Styrene	9.80	104	796335	94.886	ug/l	98
71) Bromoform	9.96	173	263429	102.130	ug/l #	100
73) Isopropylbenzene	10.17	105	1268995	98.404	ug/l	98
74) N-amyl acetate	10.01	43	626772	107.377	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	428904	76.682	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	375638m	95.743	ug/l	
77) Bromobenzene	10.45	156	325578	91.176	ug/l	97
78) n-propylbenzene	10.59	91	1511726	94.554	ug/l	97
79) 2-Chlorotoluene	10.66	91	882619	90.950	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	1097973	100.398	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	171741m	92.863	ug/l	
82) 4-Chlorotoluene	10.78	91	1042536	92.598	ug/l	99
83) tert-Butylbenzene	11.10	119	1063086	99.861	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	1139797	103.137	ug/l	99
85) sec-Butylbenzene	11.33	105	1350654	101.053	ug/l	98
86) p-Isopropyltoluene	11.48	119	1209844	102.422	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	621206	90.511	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	624804	86.965	ug/l	99
89) n-Butylbenzene	11.89	91	1120305	96.387	ug/l	97
90) Hexachloroethane	12.15	117	234761	110.861	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	609339	88.786	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	125520	109.941	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024503.D
 Acq On : 13 Jun 2018 13:05
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:37 AM

Quant Time: Jun 13 13:30:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:15:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	441586	108.928	ug/l	99
94) Hexachlorobutadiene	13.70	225	219655	91.217	ug/l	98
95) Naphthalene	13.74	128	1363320	122.987	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	440487	107.529	ug/l	99

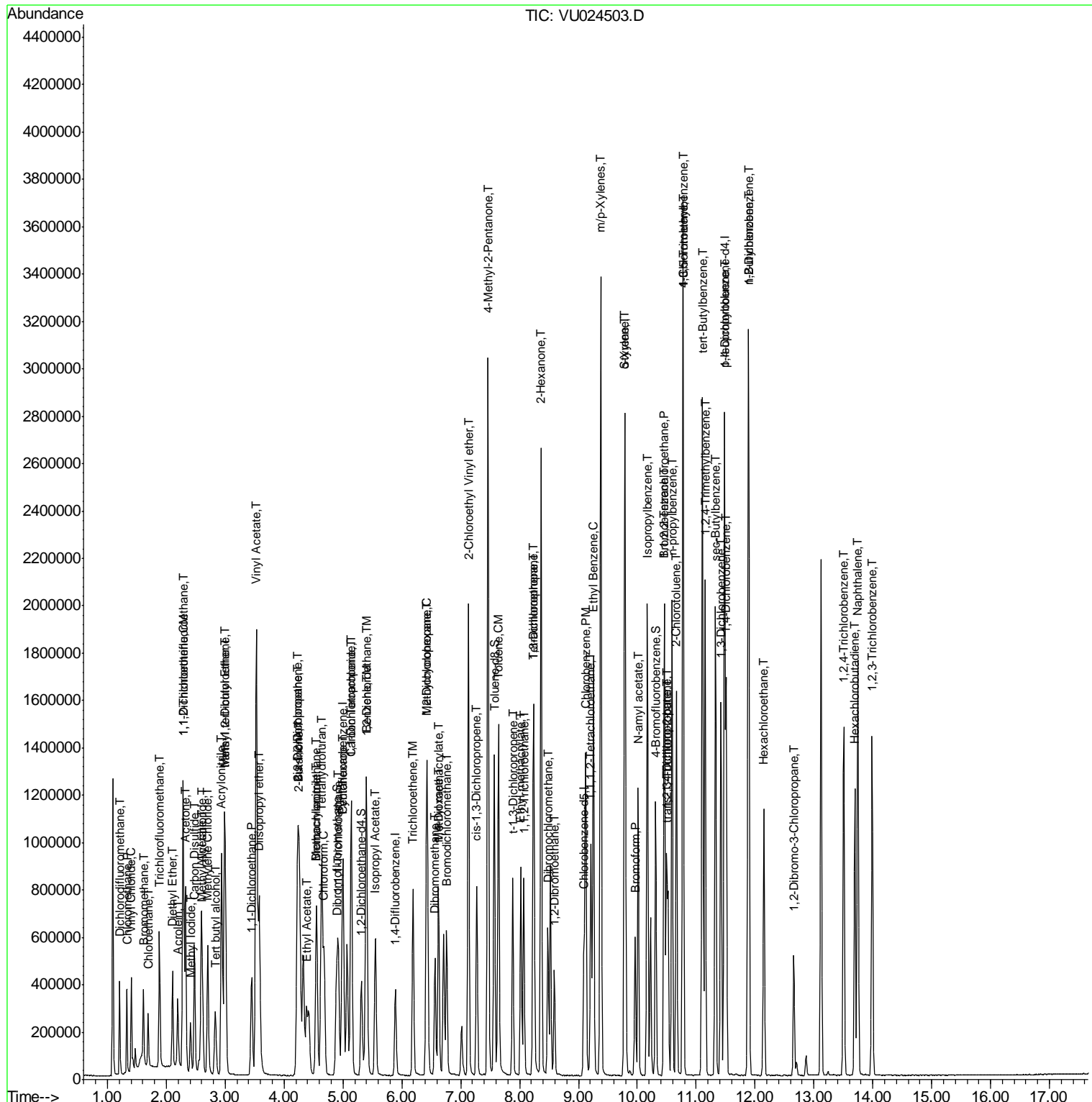
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024503.D
 Acq On : 13 Jun 2018 13:05
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

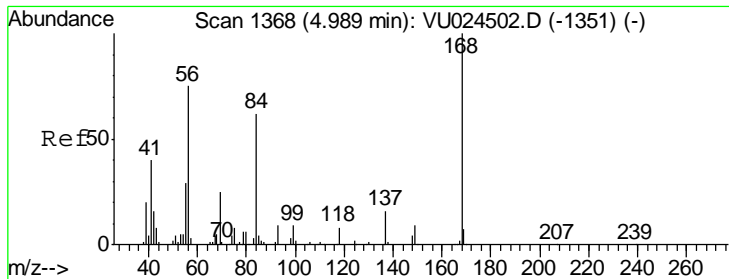
Instrument :
 MSVOA_U
 Client Sampled :
 VSTDICC100

Manual Integrations
 APPROVED
 MMDadoda
 6/14/2018 9:44:37 AM

Quant Time: Jun 13 13:30:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:15:08 2018
 Response via : Initial Calibration



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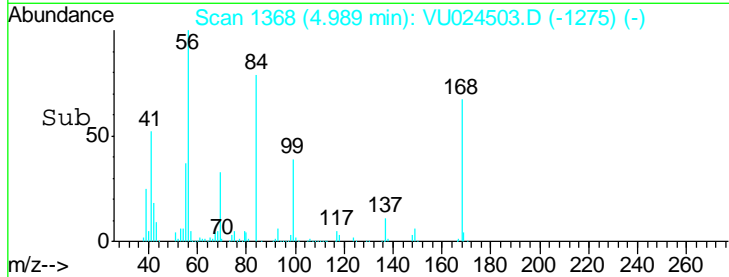
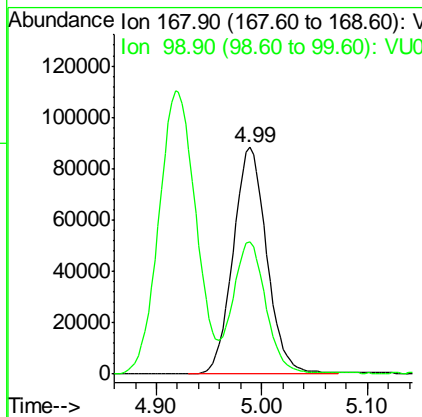
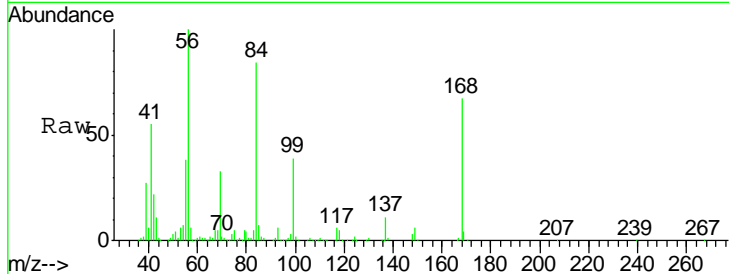
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
168	195580		
99	57.9	43.2	64.8

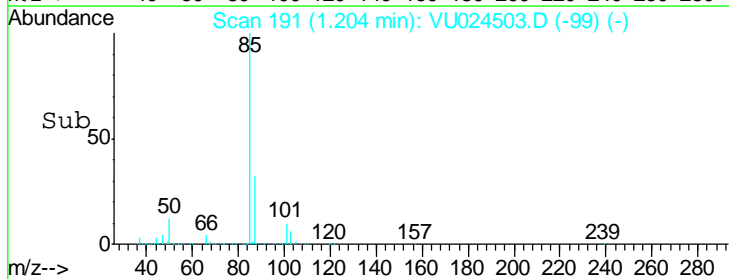
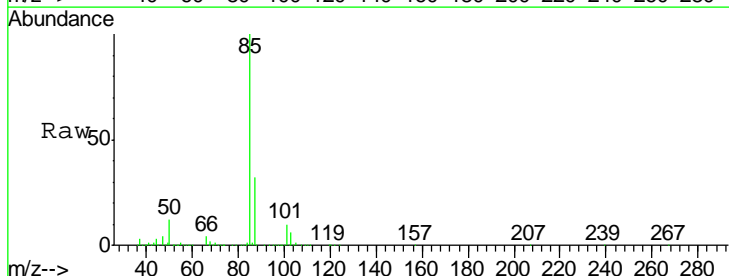
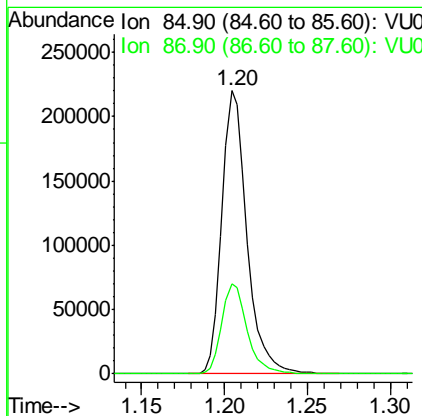
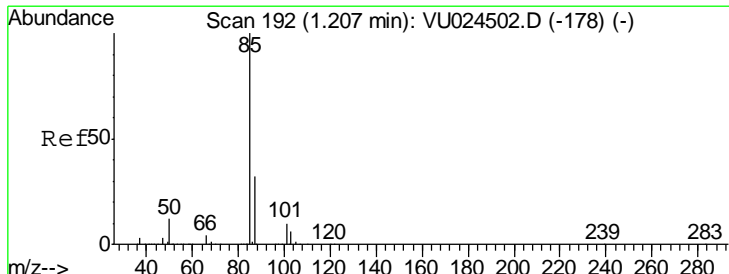
Manual Integrations
 APPROVED

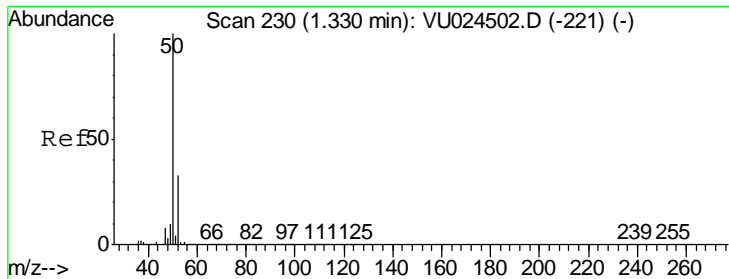
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 6/14/2018 9:44:37 AM



#2
 Dichlorodifluoromethane
 Concen: 77.661 ug/l
 RT: 1.20 min Scan# 191
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
85	230228		
87	32.1	16.1	48.2





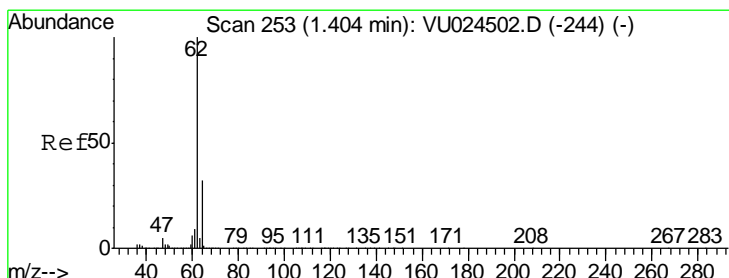
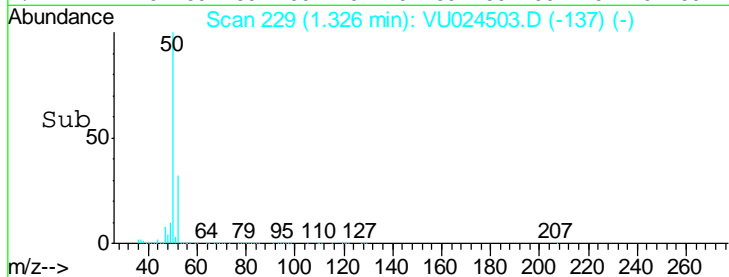
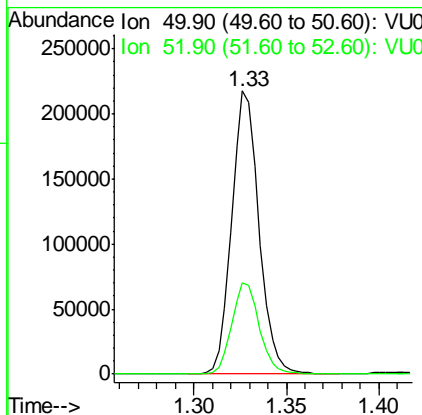
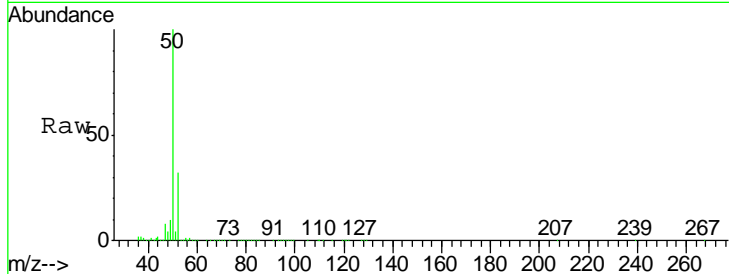
#3
 Chloromethane
 Concen: 64.265 ug/l
 RT: 1.33 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
50	221992		
52	32.4	26.4	39.6

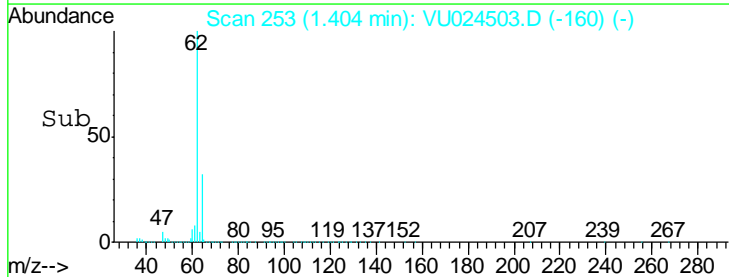
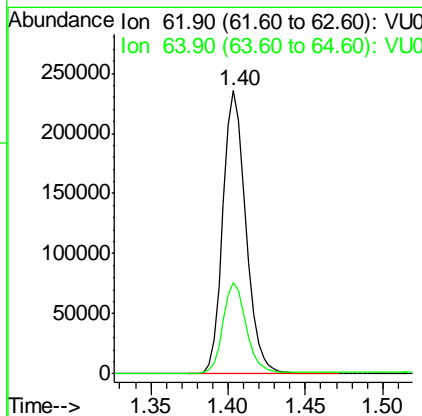
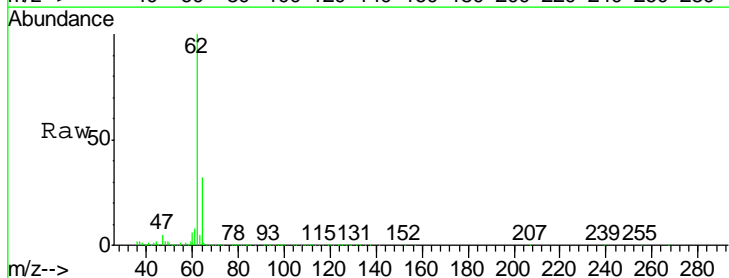
Manual Integrations
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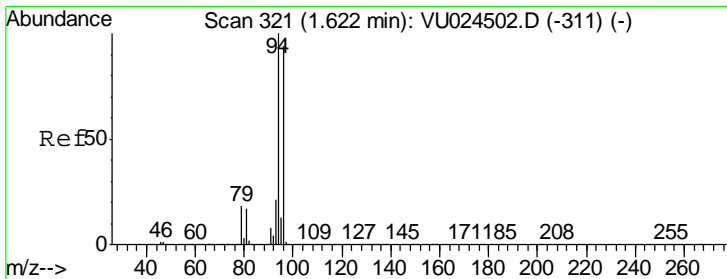
MMDadoda
 6/14/2018 9:44:37 AM



#4
 Vinyl Chloride
 Concen: 63.118 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
62	242722		
64	32.1	24.8	37.2





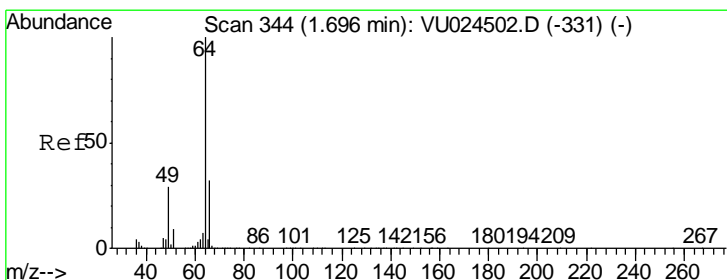
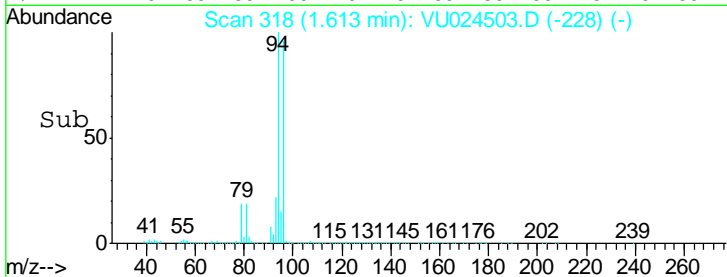
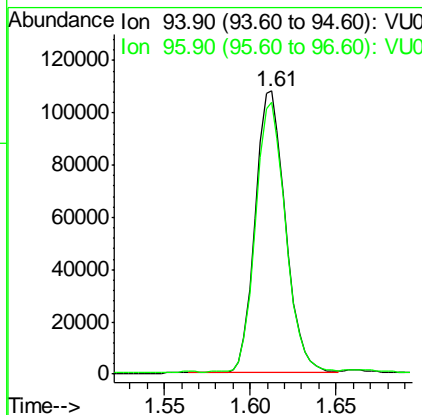
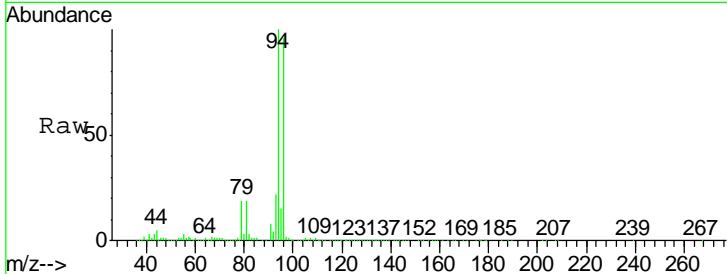
#5
 Bromomethane
 Concen: 62.254 ug/l
 RT: 1.61 min Scan# 318
 Delta R.T. -0.01 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
94	131557		
96	95.3	74.5	111.7

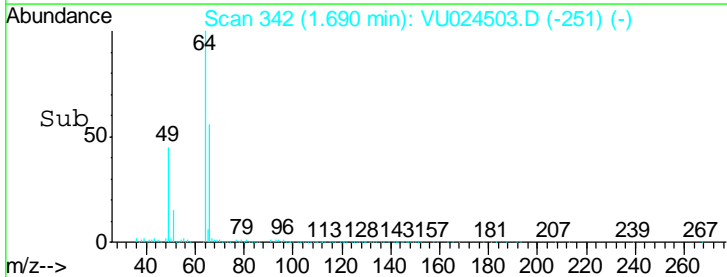
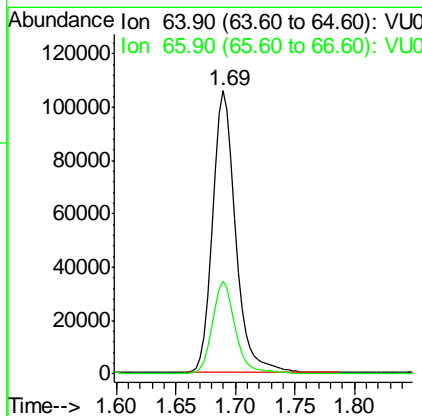
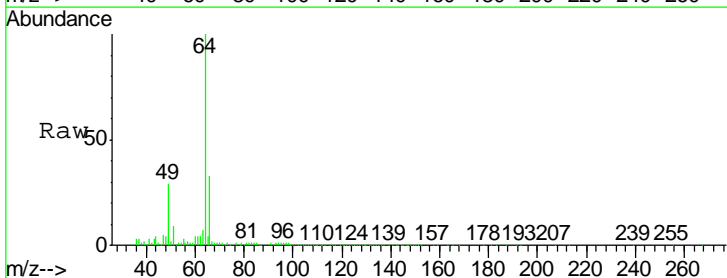
Manual Integrations
 APPROVED

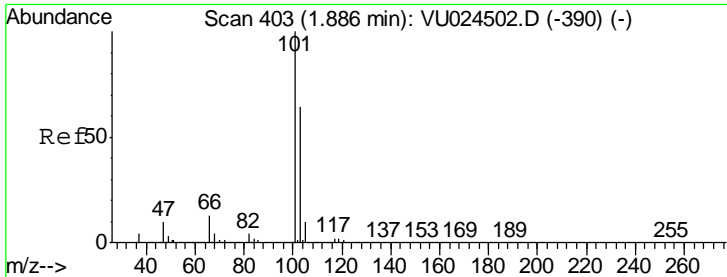
MMDadoda
 6/14/2018 9:44:37 AM



#6
 Chloroethane
 Concen: 54.323 ug/l
 RT: 1.69 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

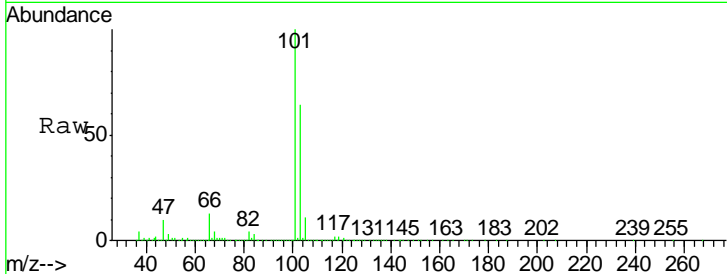
Tgt Ion	Resp	Lower	Upper
64	141311		
66	32.5	25.5	38.3





#7
 Trichlorofluoromethane
 Concen: 69.255 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

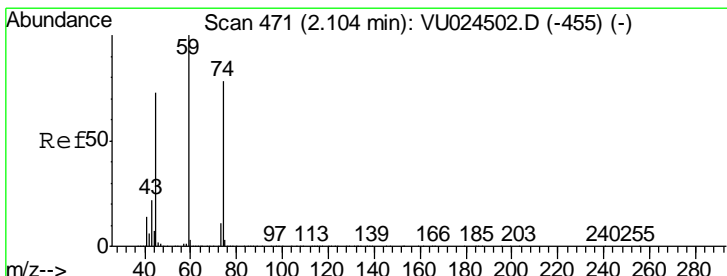
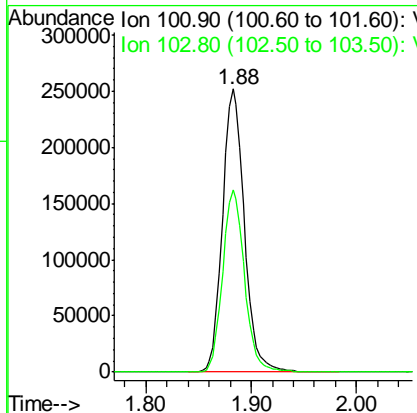
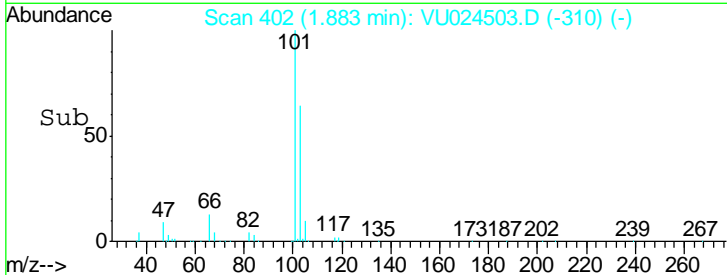
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICC100



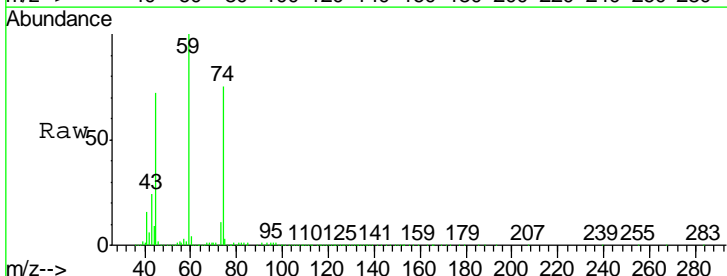
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 Ion Ratio Lower Upper
 101 100
 103 64.4 52.3 78.5

Manual Integrations
 APPROVED

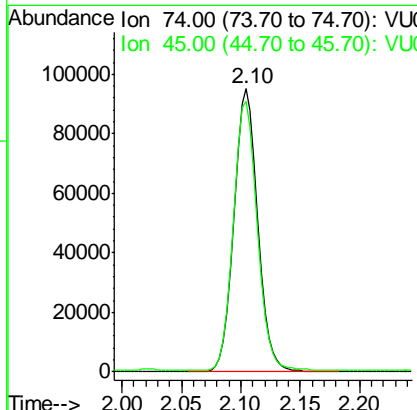
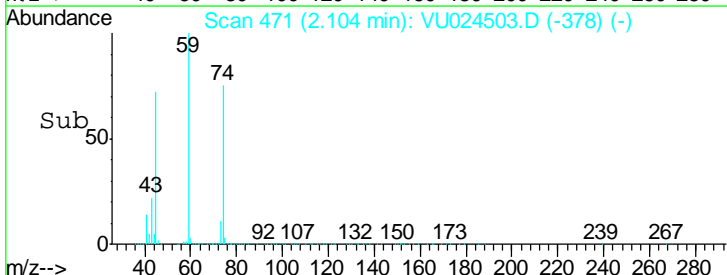
MMDadoda
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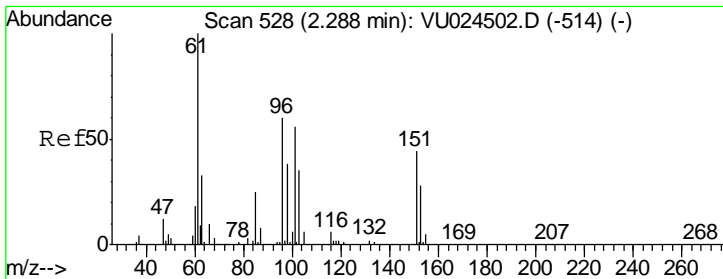


#8
 Diethyl Ether
 Concen: 62.638 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05



Tgt Ion: 74 Resp: 130767
 Ion Ratio Lower Upper
 74 100
 45 96.2 55.0 165.0





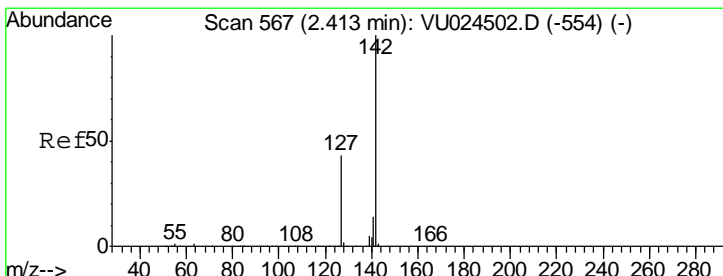
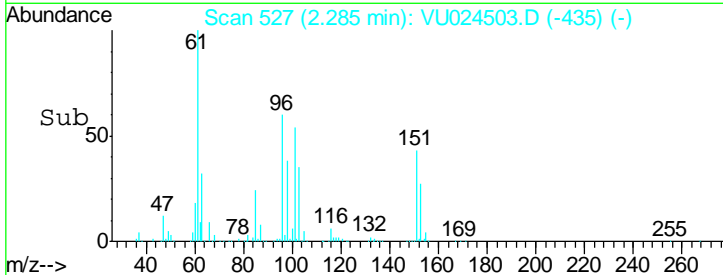
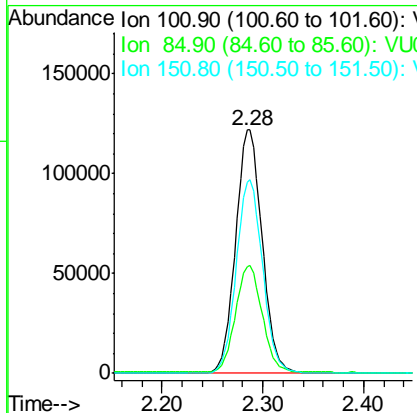
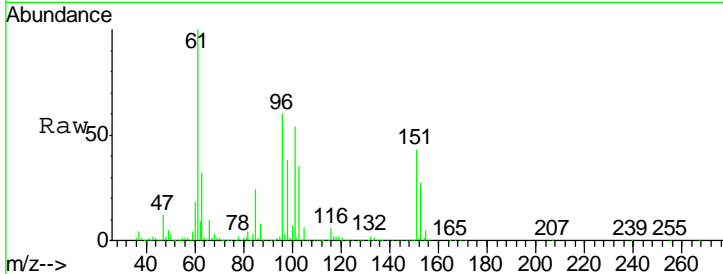
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 76.459 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	222248		
101	100		
85	44.0	36.0	54.0
151	79.3	62.3	93.5

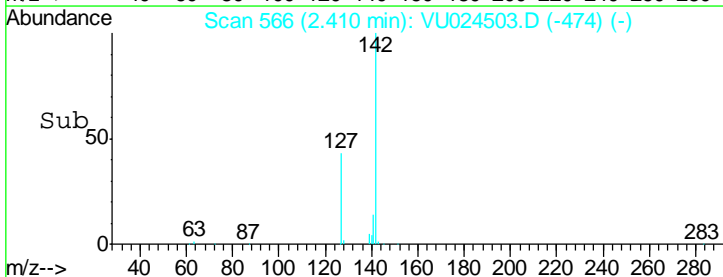
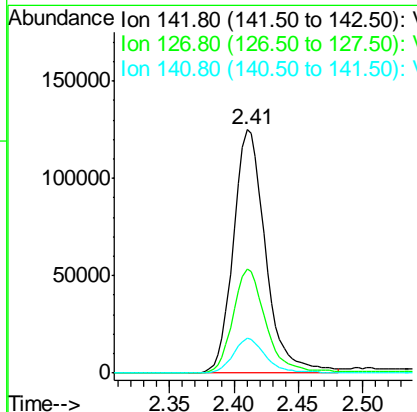
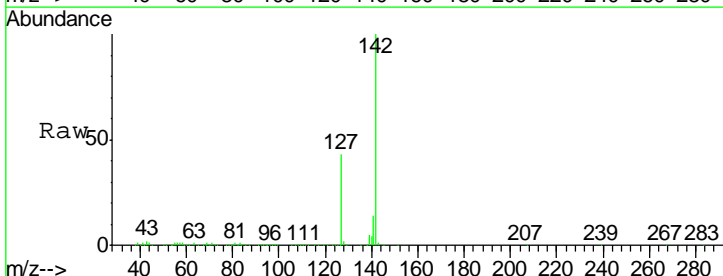
Manual Integrations
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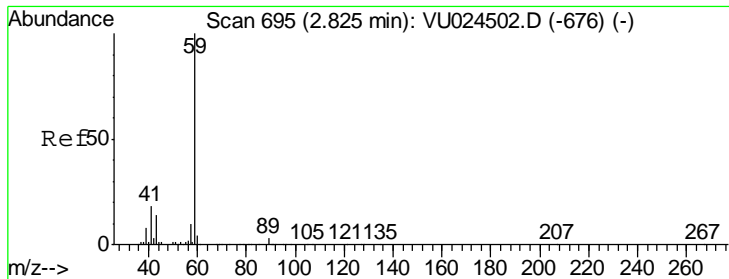
MMDadoda
 6/14/2018 9:44:37 AM



#10
 Methyl Iodide
 Concen: 118.123 ug/l
 RT: 2.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
142	217703		
142	100		
127	43.8	35.6	53.4
141	14.5	11.7	17.5





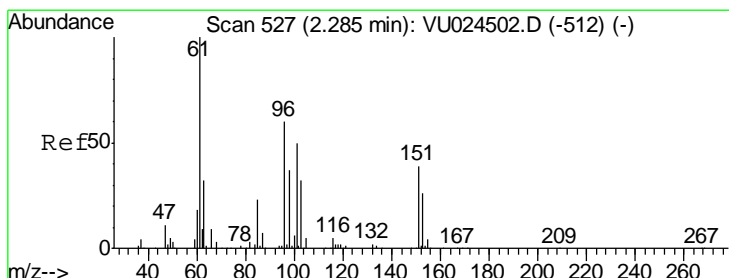
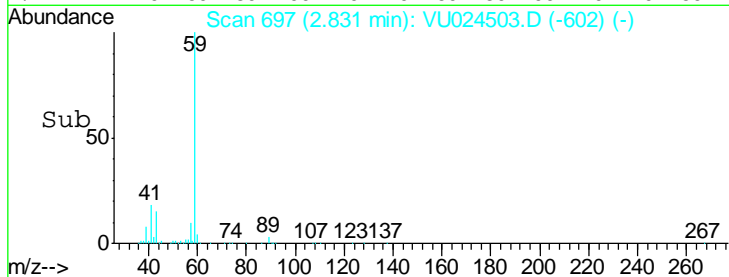
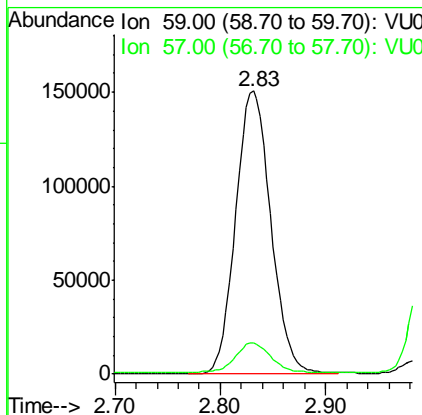
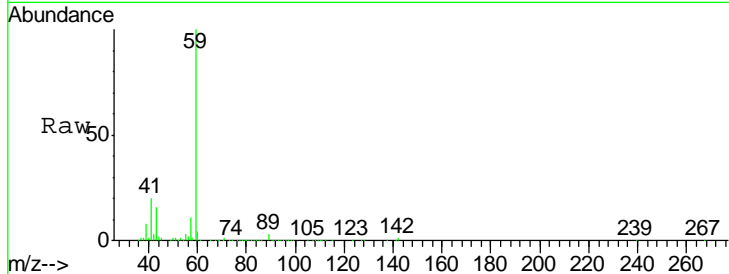
#11
 Tert butyl alcohol
 Concen: 472.998 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.1	8.5	12.7

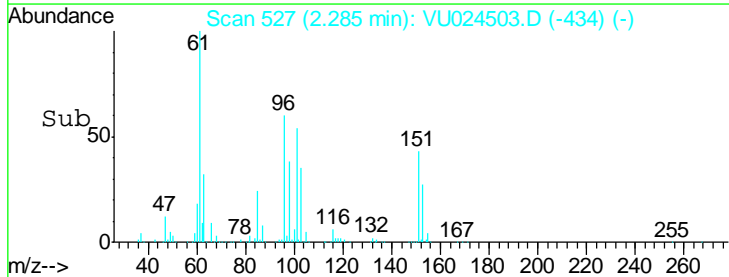
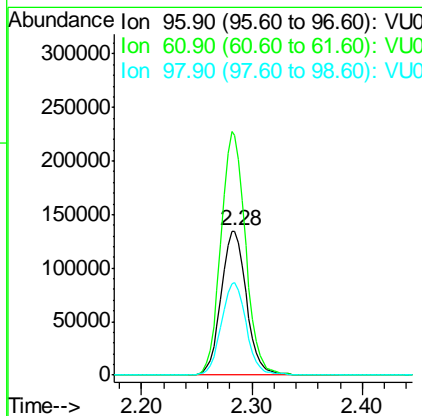
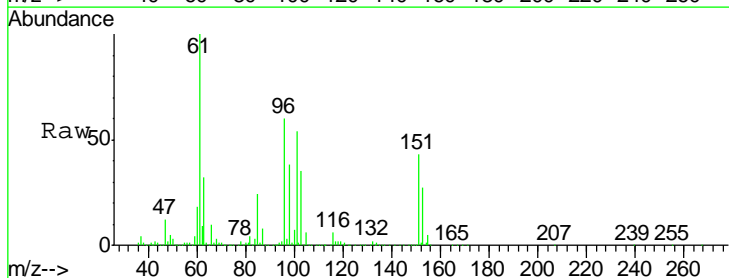
Manual Integrations
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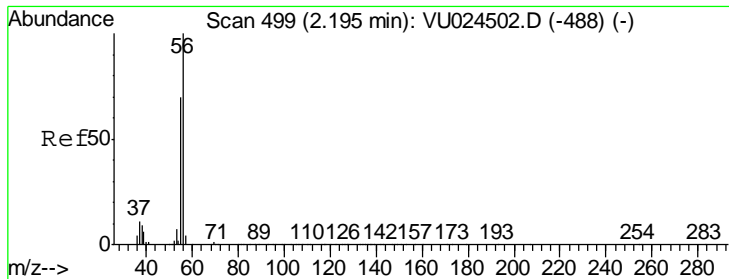
MMDadoda
 6/14/2018 9:44:37 AM



#12
 1,1-Dichloroethene
 Concen: 77.699 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
96	100		
61	166.9	141.7	212.5
98	63.9	51.6	77.4





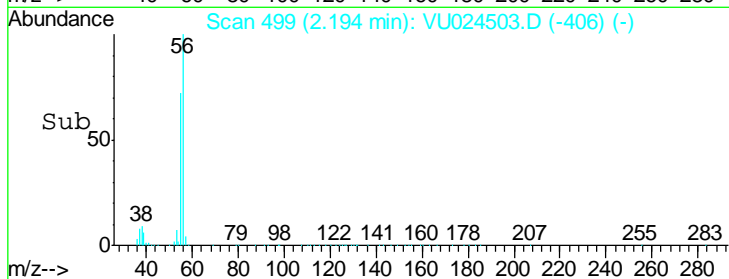
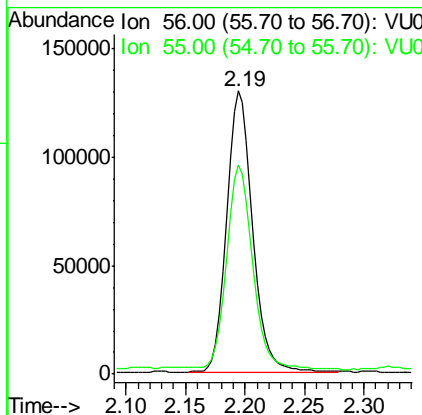
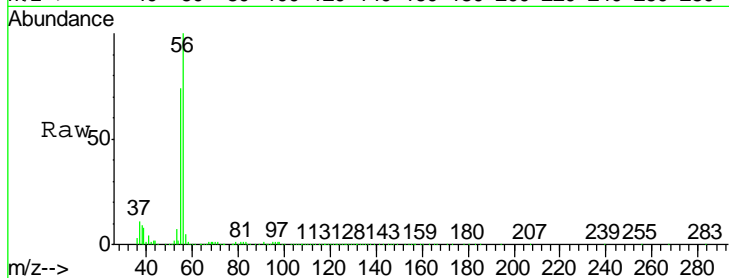
#13
 Acrolein
 Concen: 253.706 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	194279		
55	72.3	58.4	87.6

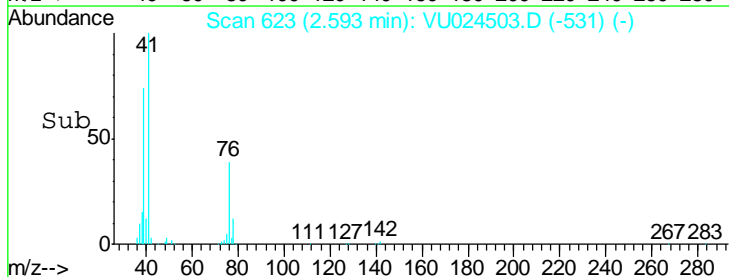
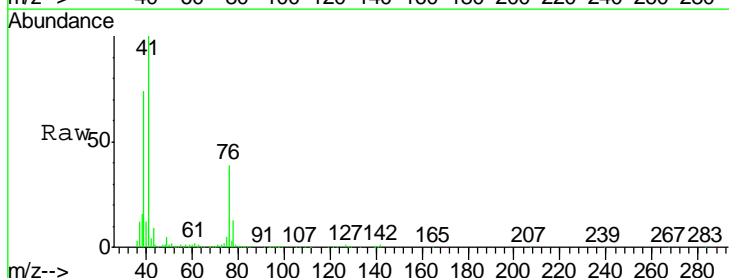
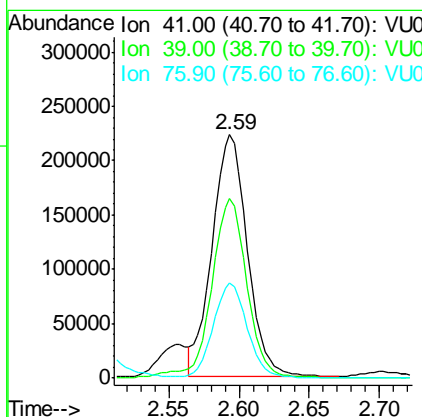
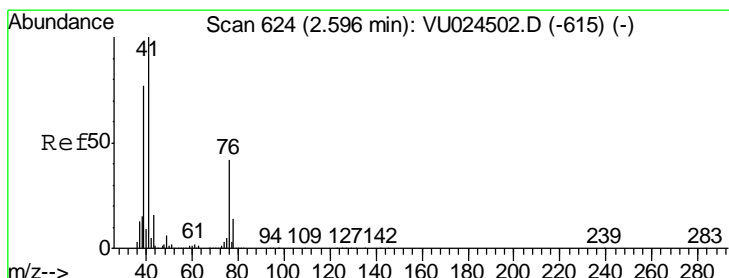
Manual Integrations
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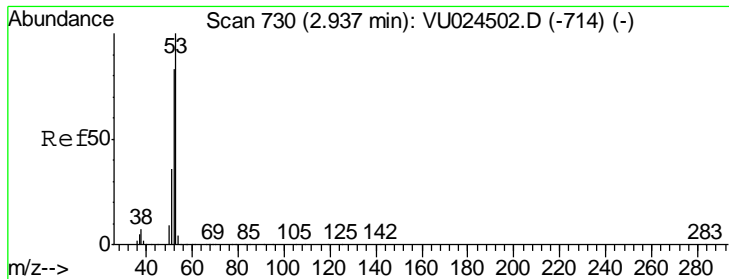
MMDadoda
 6/14/2018 9:44:37 AM



#14
 Allyl chloride
 Concen: 83.480 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
41	385677		
39	73.6	61.6	92.4
76	37.7	29.7	44.5





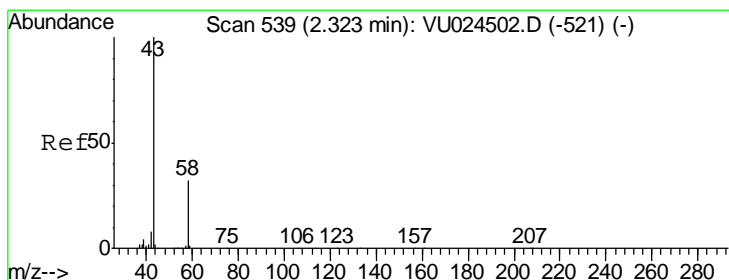
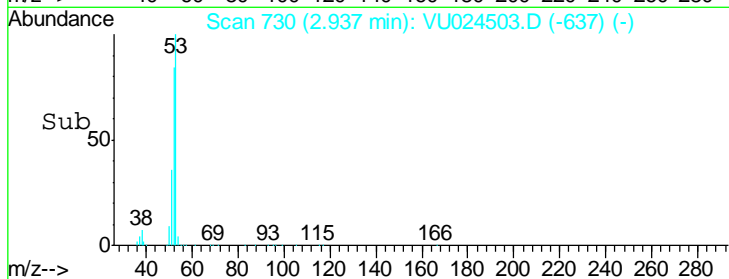
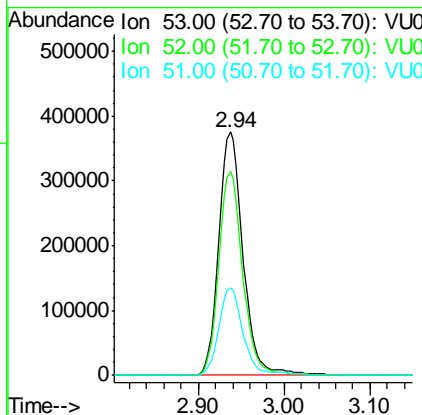
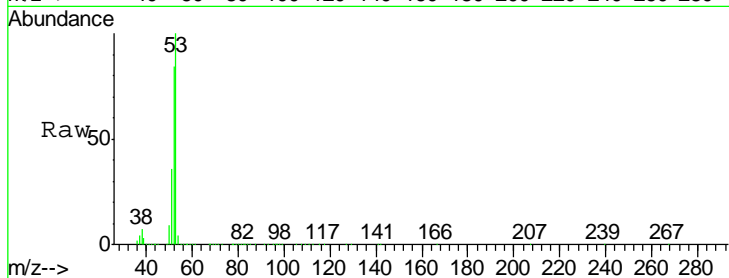
#15
 Acrylonitrile
 Concen: 374.638 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 ClientSampled : VSTDICC100

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.0	67.1	100.7
51	36.3	28.4	42.6

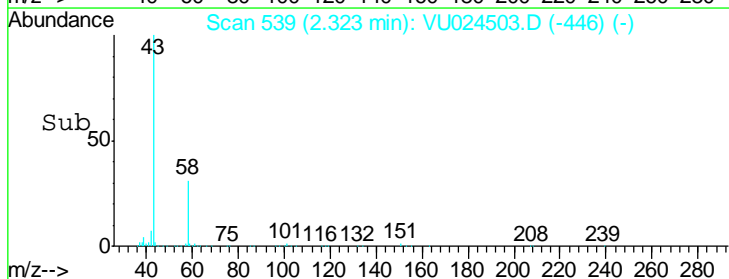
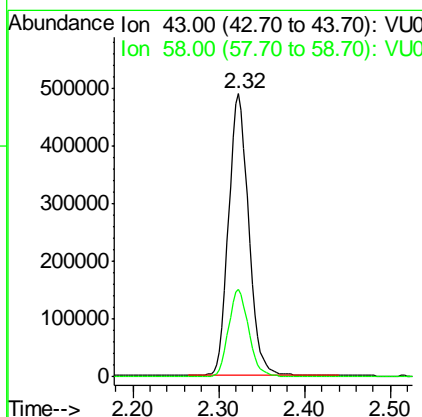
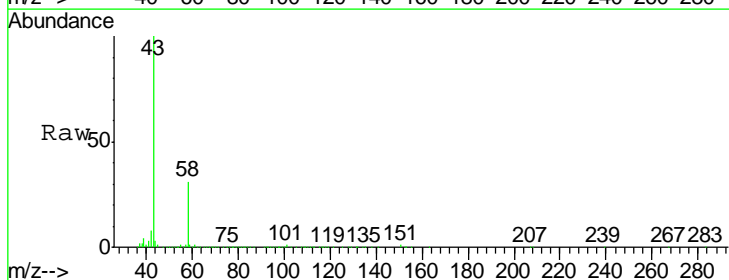
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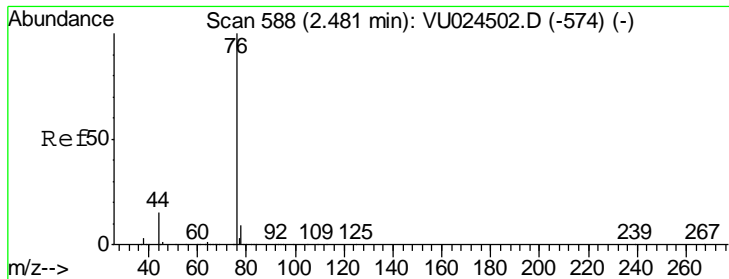
MMDadoda
 6/14/2018 9:44:37 AM



#16
 Acetone
 Concen: 320.802 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
43	100		
58	30.8	24.4	36.6





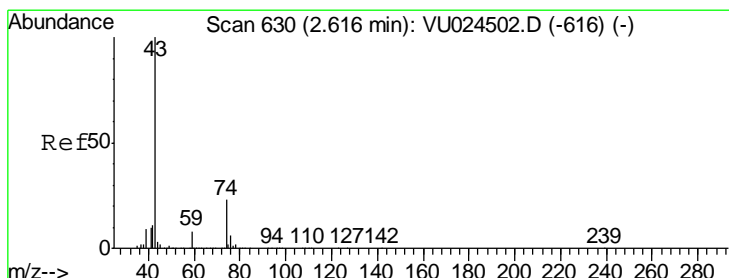
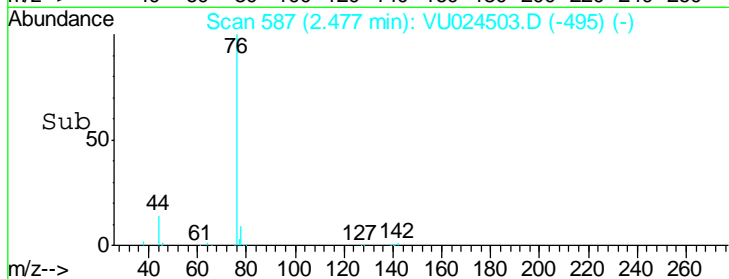
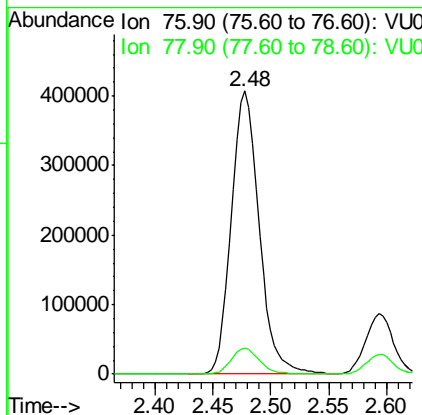
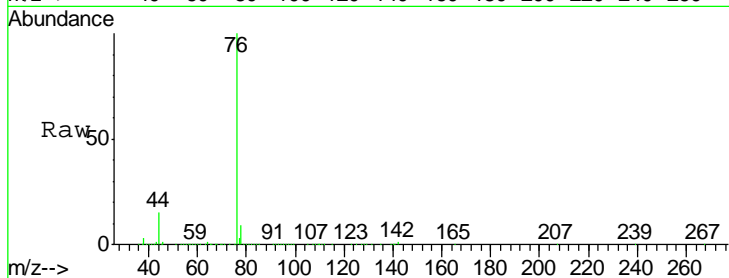
#17
 Carbon Disulfide
 Concen: 80.653 ug/l
 RT: 2.48 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	675699		
76	100		
78	9.2	7.1	10.7

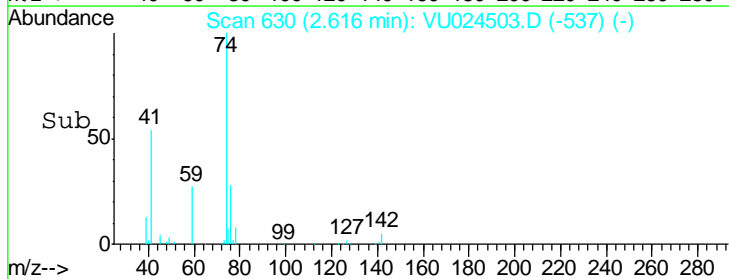
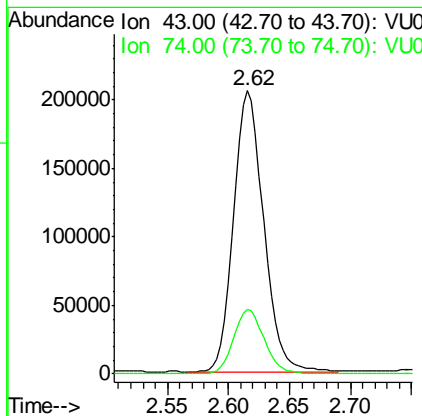
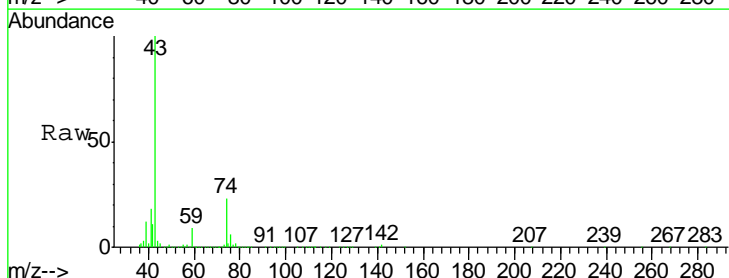
Manual Integrations
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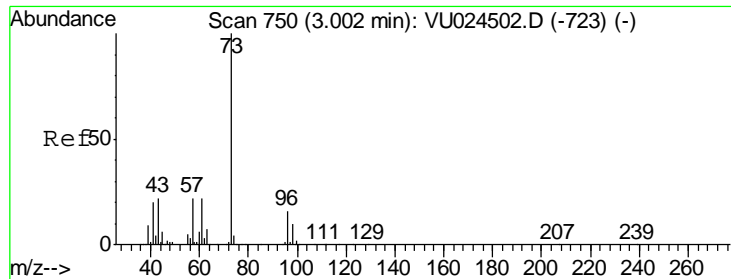
MMDadoda
 6/14/2018 9:44:37 AM



#18
 Methyl Acetate
 Concen: 71.409 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
43	350833		
43	100		
74	23.5	18.0	27.0





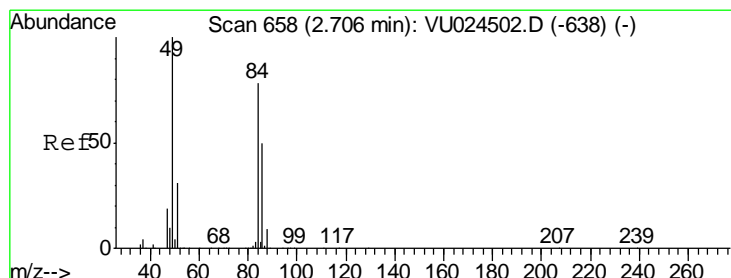
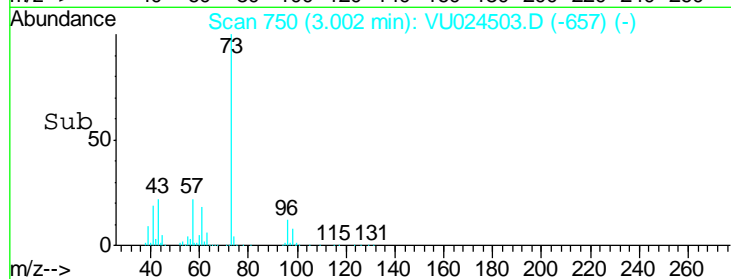
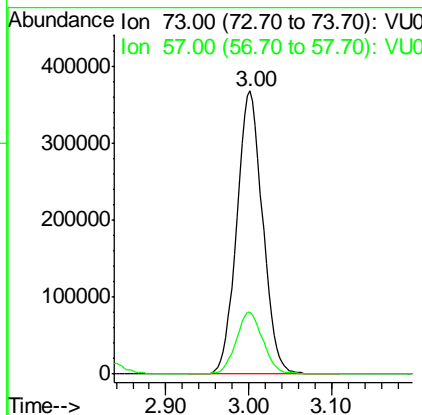
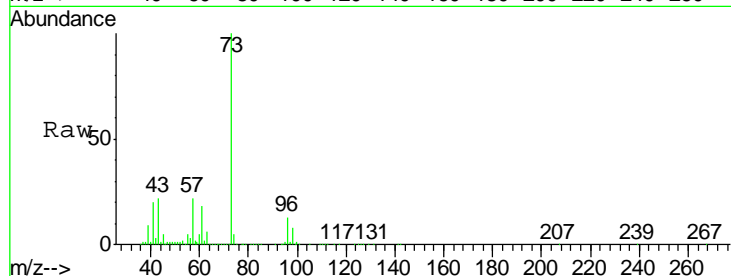
#19
 Methyl tert-butyl Ether
 Concen: 93.072 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
73	100		
57	21.7	18.8	28.2

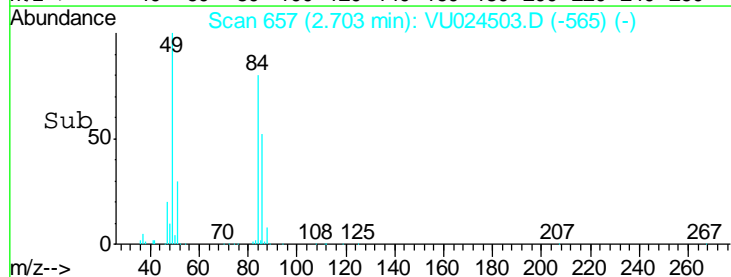
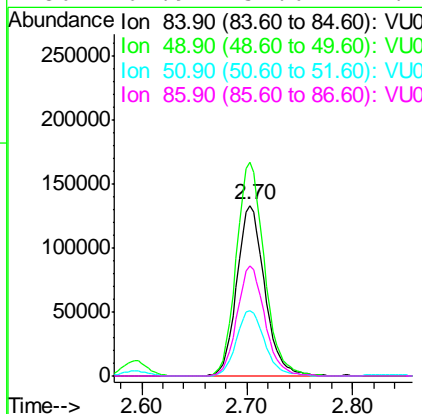
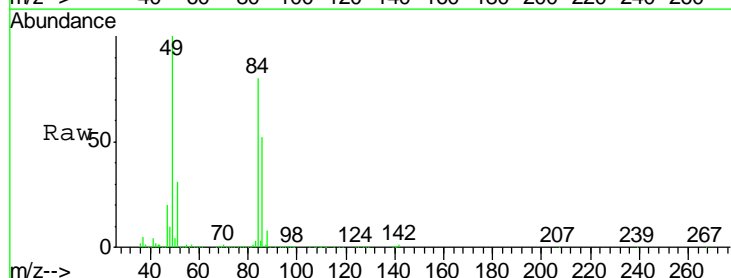
Manual Integrations
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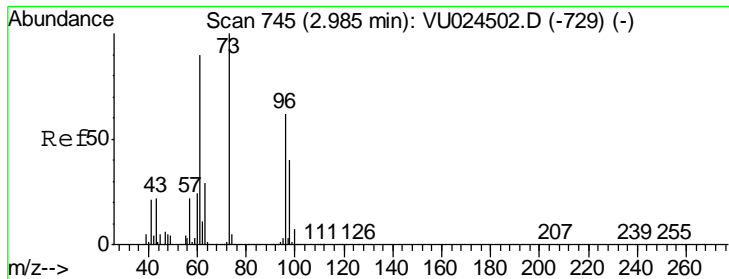
MMDadoda
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#20
 Methylene Chloride
 Concen: 71.282 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

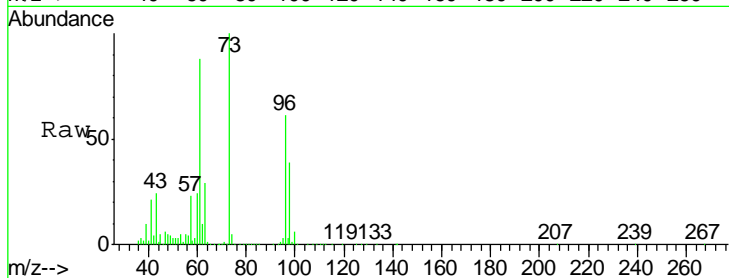
Tgt Ion	Resp	Lower	Upper
84	100		
49	125.6	103.8	155.8
51	38.2	32.0	48.0
86	64.9	51.6	77.4





#21
 trans-1,2-Dichloroethene
 Concen: 78.885 ug/l
 RT: 2.99 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

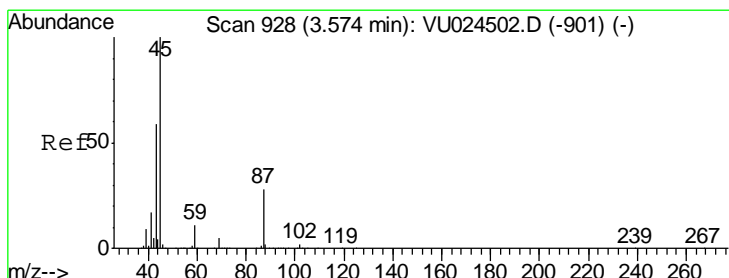
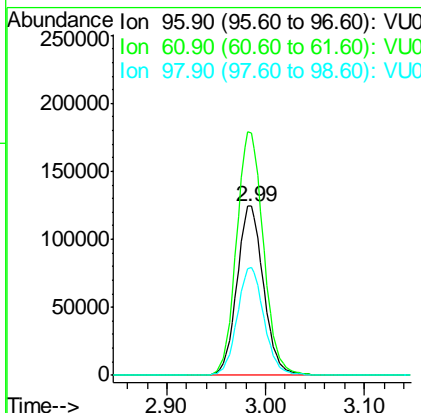
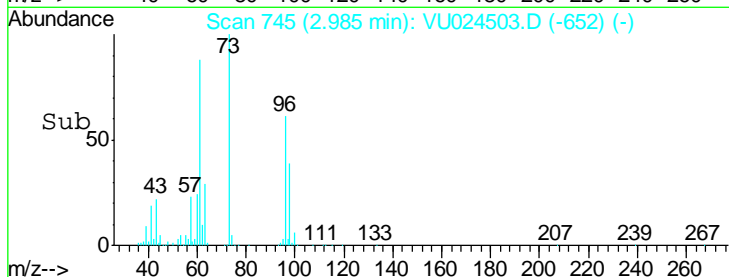
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



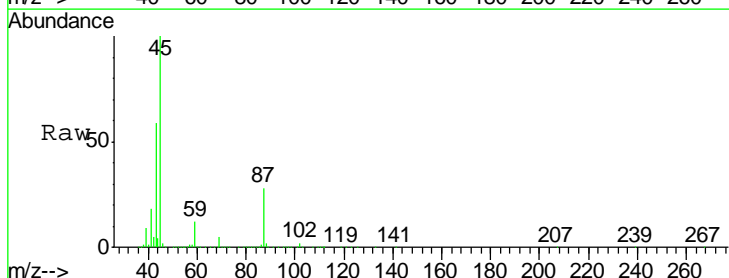
Tgt Ion	Resp	Lower	Upper
96	230492		
96	100		
61	143.8	119.4	179.0
98	63.7	51.1	76.7

Manual Integrations
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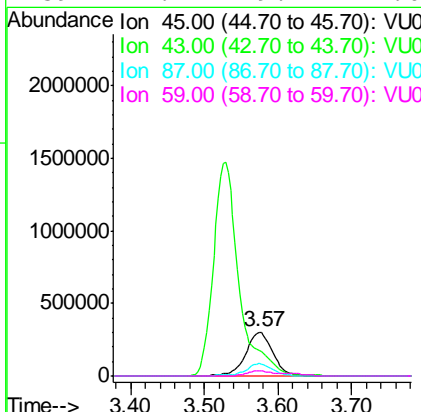
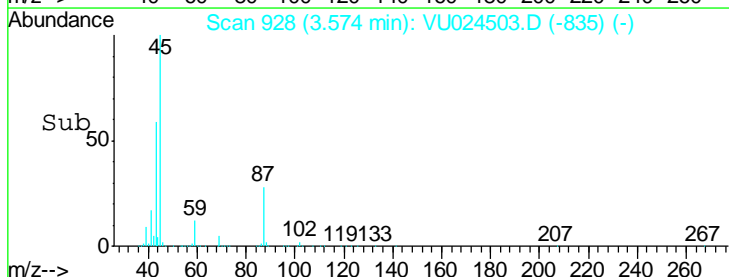
MMDadoda
 6/14/2018 9:44:37 AM

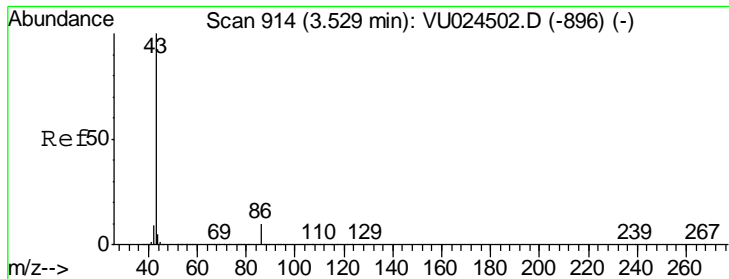


#22
 Diisopropyl ether
 Concen: 83.721 ug/l
 RT: 3.57 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05



Tgt Ion	Resp	Lower	Upper
45	779368		
45	100		
43	58.6	45.8	68.6
87	27.6	20.6	31.0
59	11.7	9.4	14.0





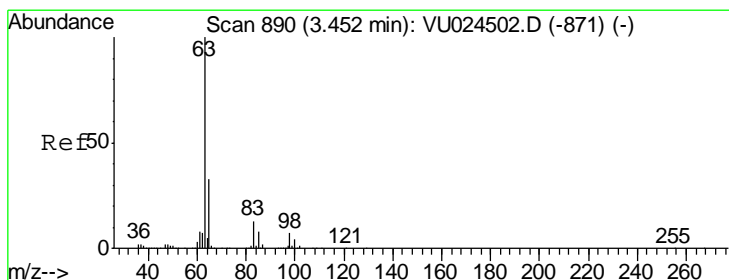
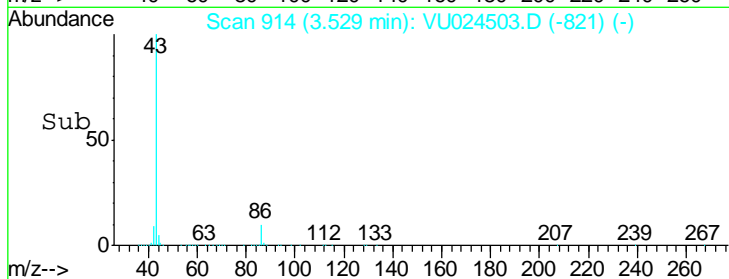
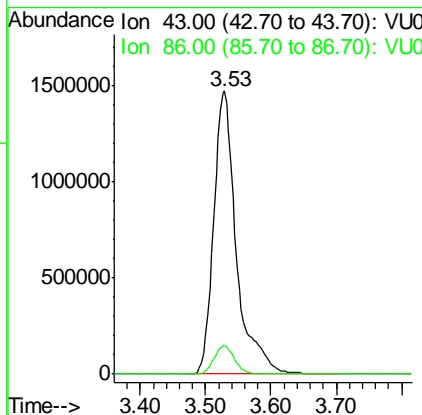
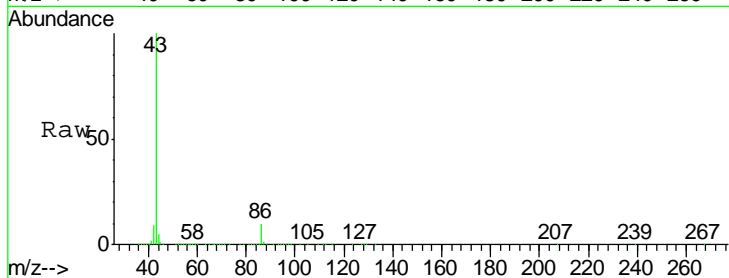
#23
 Vinyl Acetate
 Concen: 518.569 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

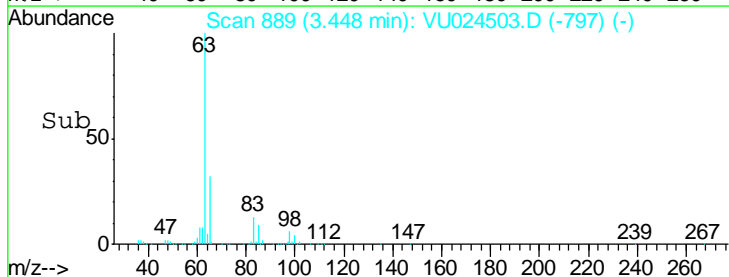
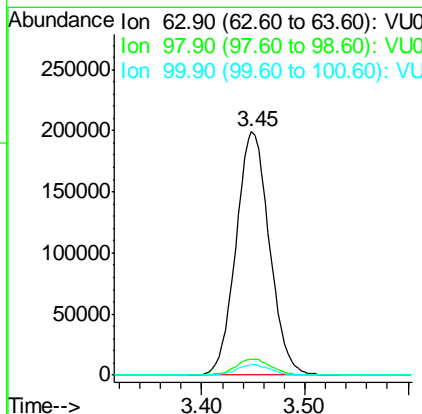
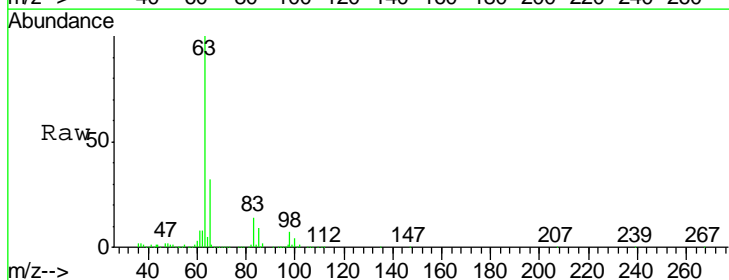
Manual Integrations
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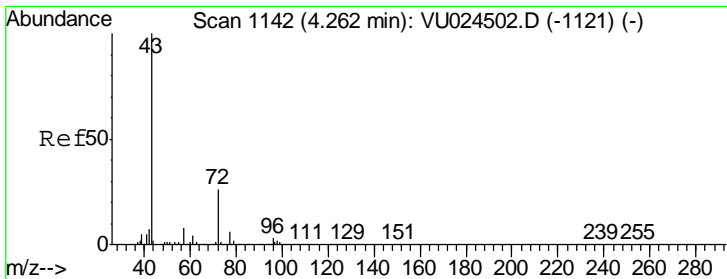
MMDadoda
 6/14/2018 9:44:37 AM



#24
 1,1-Dichloroethane
 Concen: 76.915 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.5	3.5	10.4
100	4.2	1.8	5.5





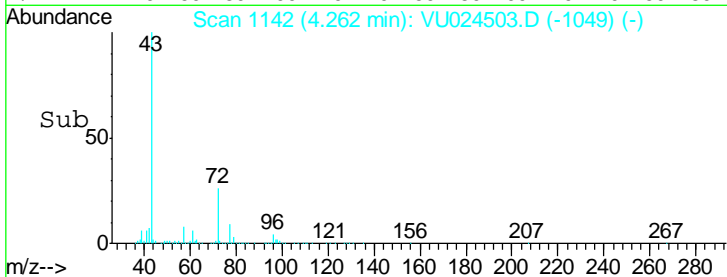
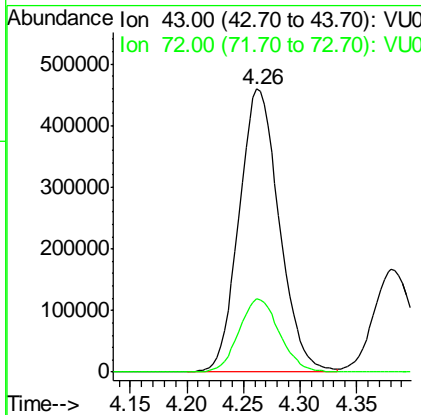
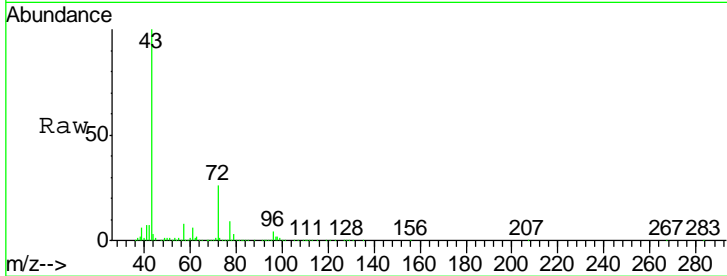
#25
 2-Butanone
 Concen: 381.082 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.8	19.6	29.4

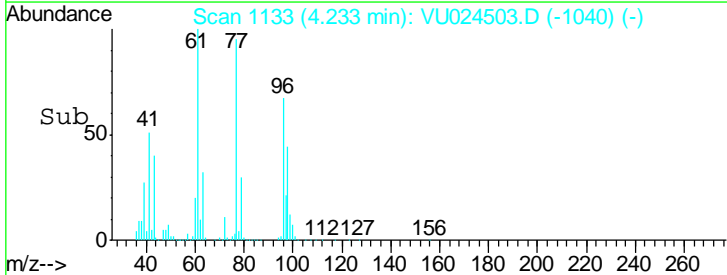
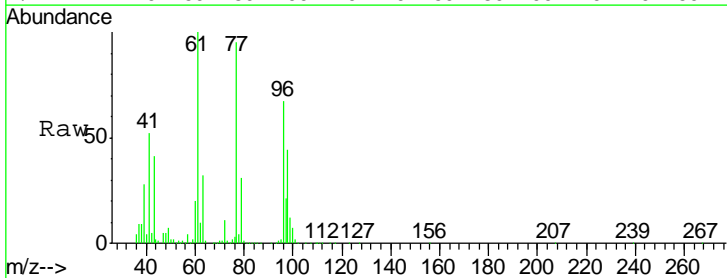
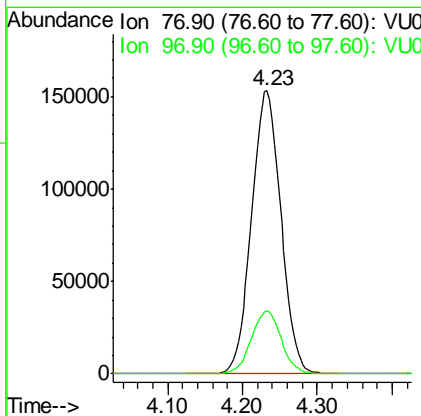
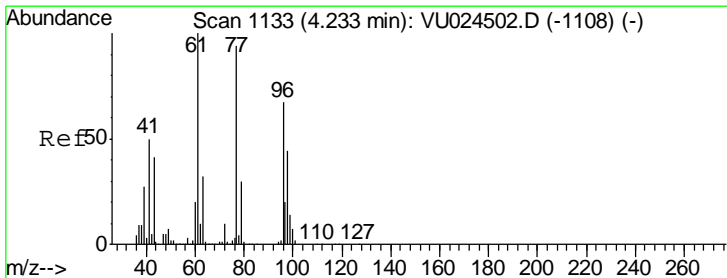
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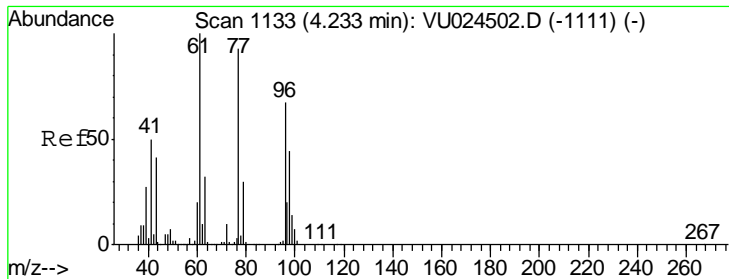
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 94.249 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
77	100		
97	22.1	11.3	33.8





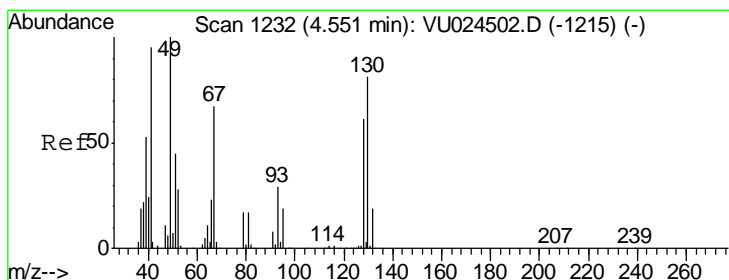
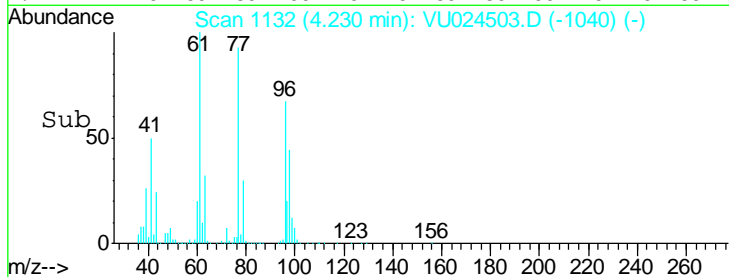
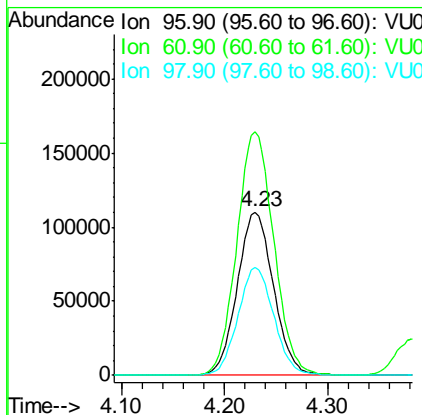
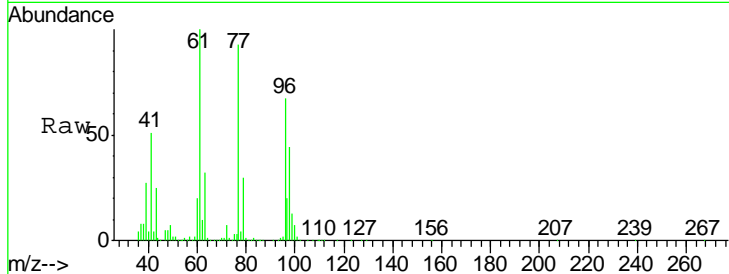
#27
 cis-1,2-Dichloroethene
 Concen: 84.125 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	267096		
61	153.6	0.0	306.6
98	65.3	0.0	128.8

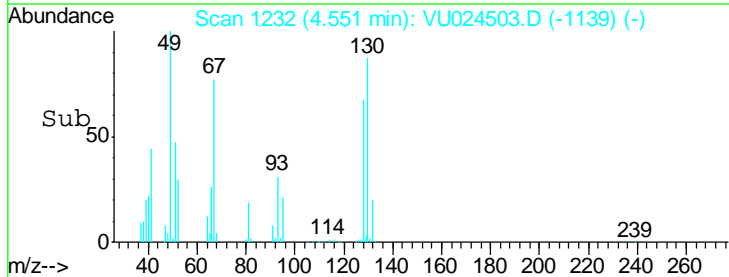
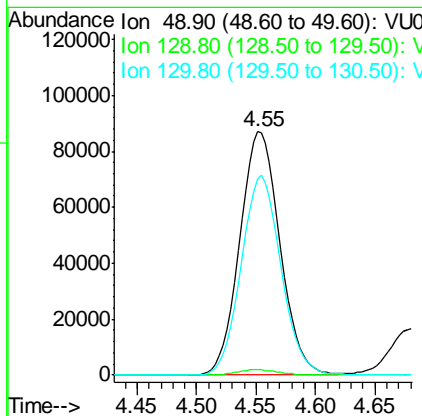
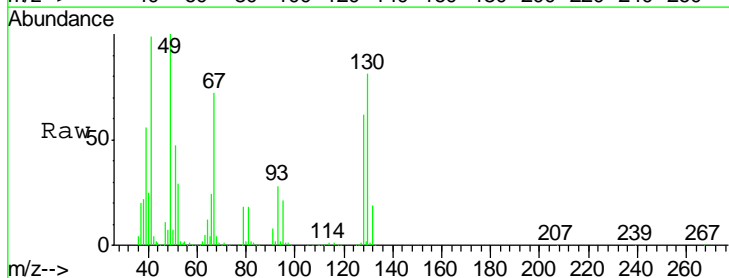
Manual Integrations
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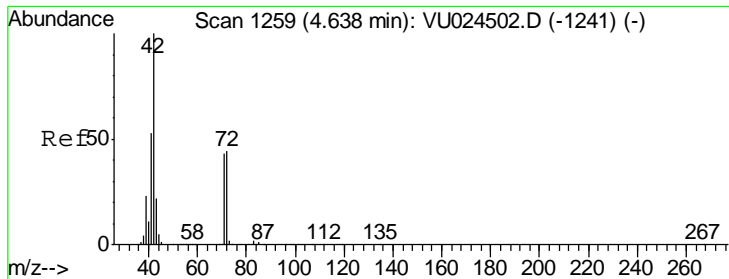
MMDadoda
 6/14/2018 9:44:37 AM



#28
 Bromochloromethane
 Concen: 95.338 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
49	203492		
129	2.4	0.0	3.8
130	81.4	57.8	86.6





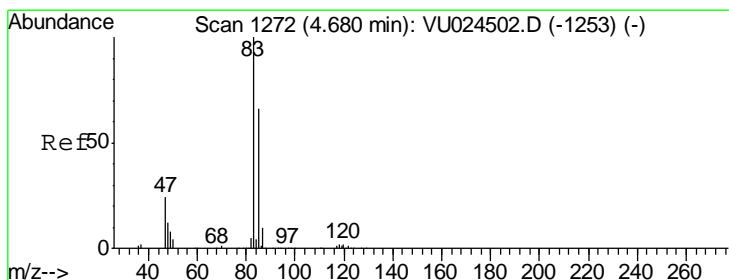
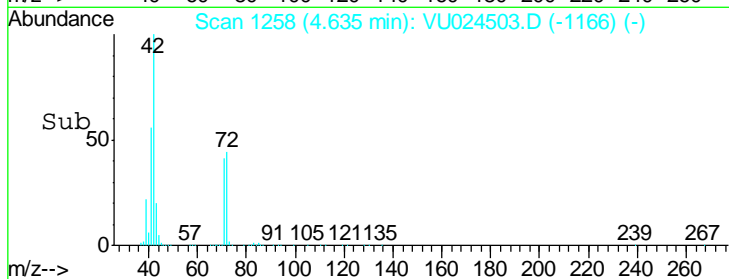
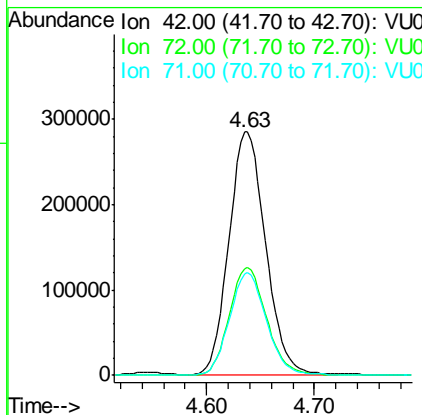
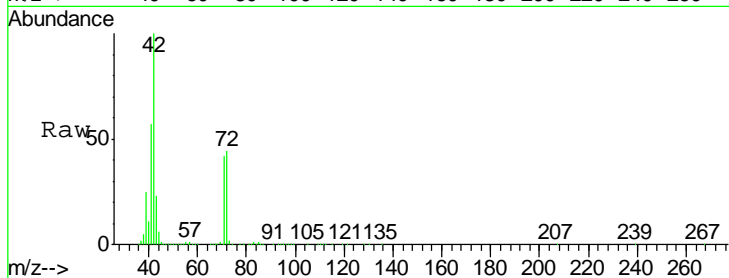
#29
 Tetrahydrofuran
 Concen: 398.396 ug/l
 RT: 4.63 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
42	100		
72	45.3	34.5	51.7
71	42.2	32.2	48.4

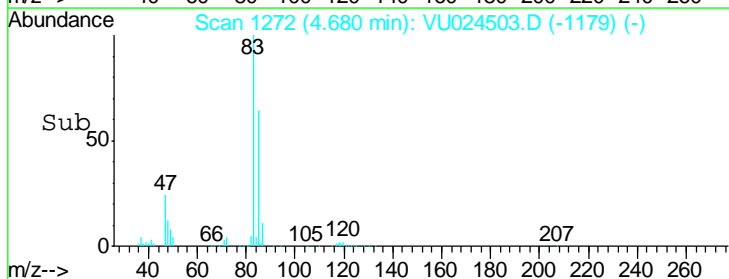
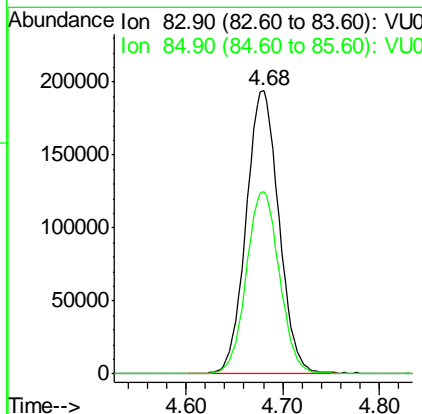
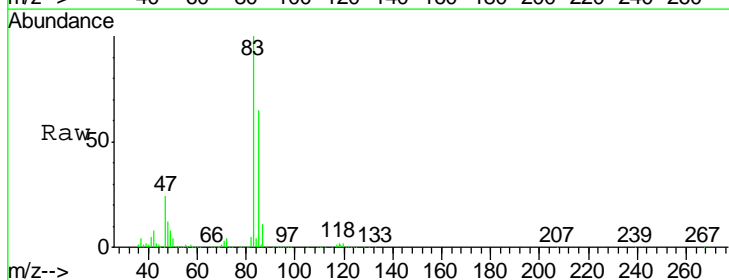
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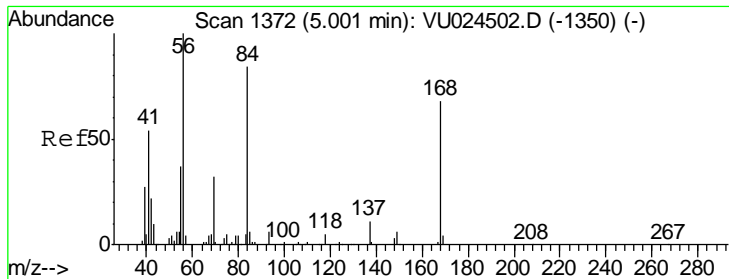
MMDadoda
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#30
 Chloroform
 Concen: 76.709 ug/l
 RT: 4.68 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.6	52.4	78.6





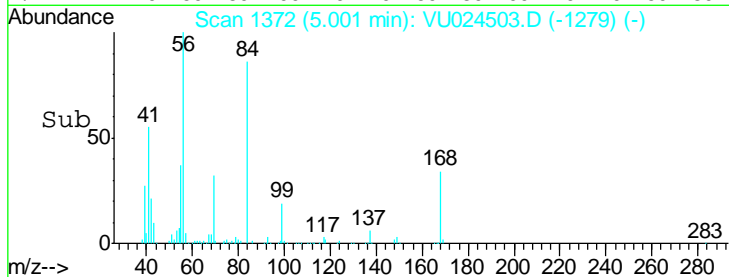
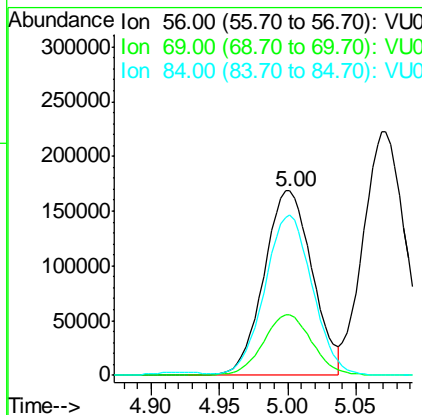
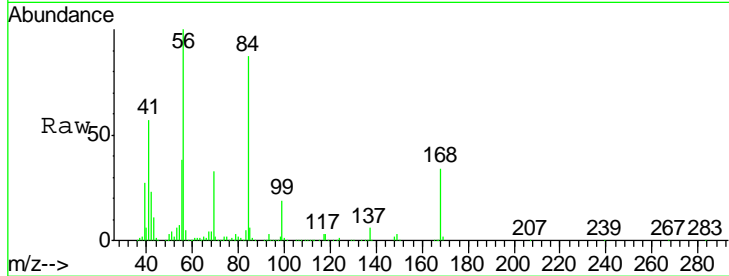
#31
 Cyclohexane
 Concen: 71.355 ug/l
 RT: 5.00 min Scan# 1372
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	100		
69	32.4	24.8	37.2
84	85.5	65.2	97.8

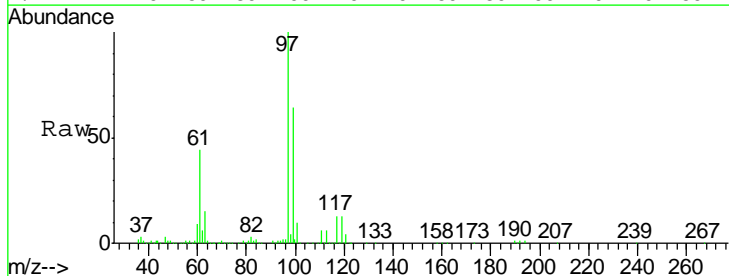
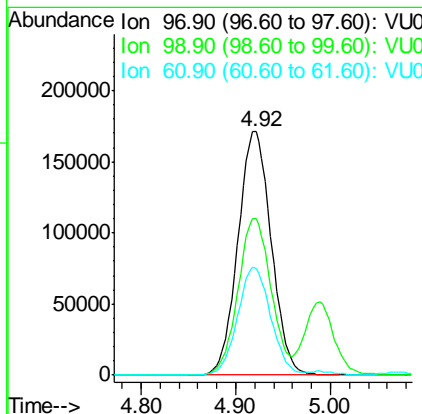
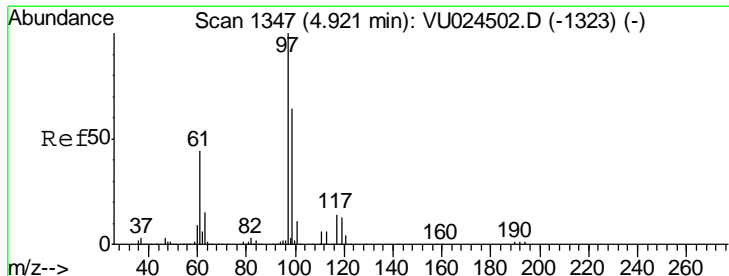
Manual Integrations
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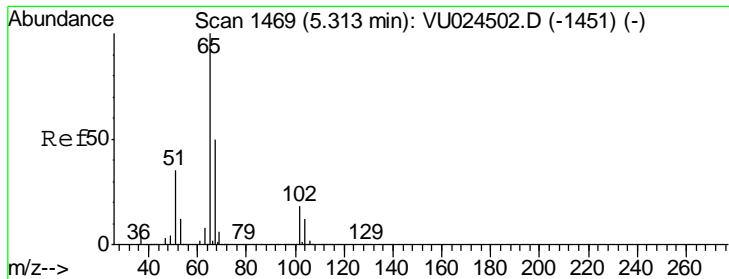
MMDadoda
 6/14/2018 9:44:37 AM



#32
 1,1,1-Trichloroethane
 Concen: 87.688 ug/l
 RT: 4.92 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	44.3	39.4	59.0





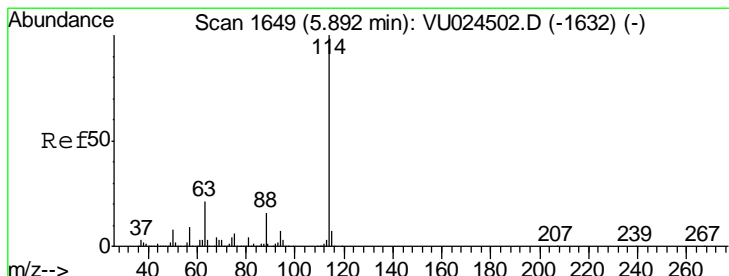
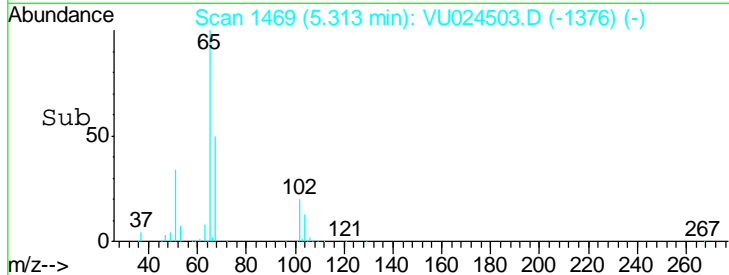
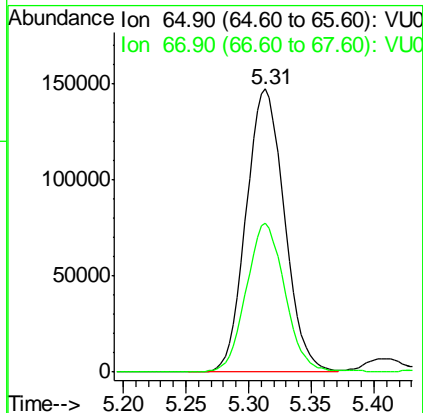
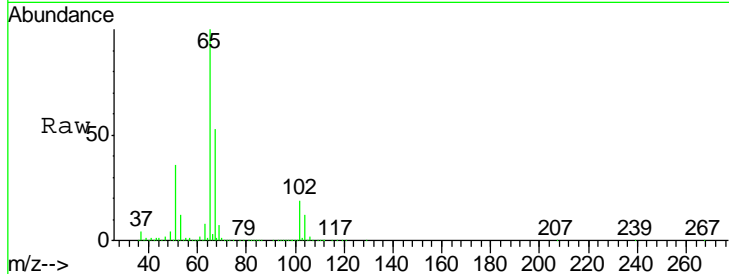
#33
 1,2-Dichloroethane-d4
 Concen: 81.106 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
65	100		
67	52.3	0.0	107.0

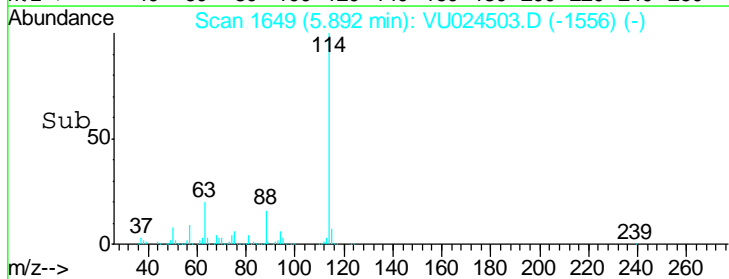
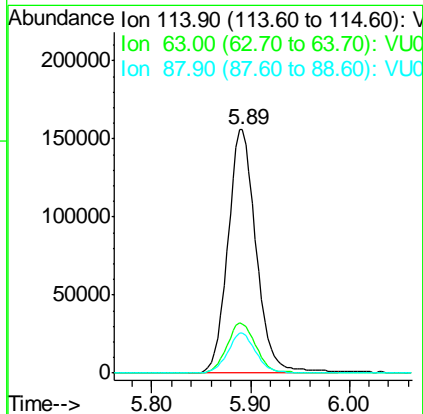
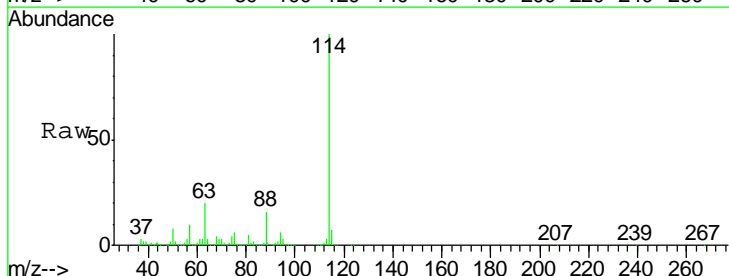
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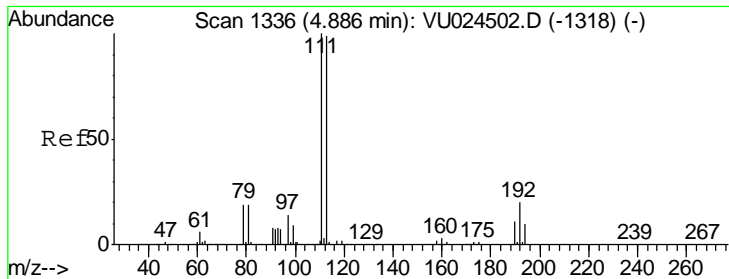
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

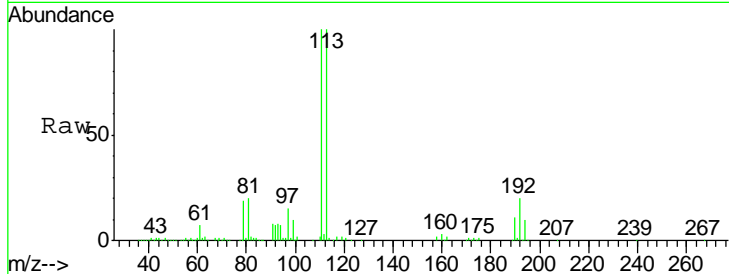
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.2	0.0	45.4
88	16.4	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 79.519 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

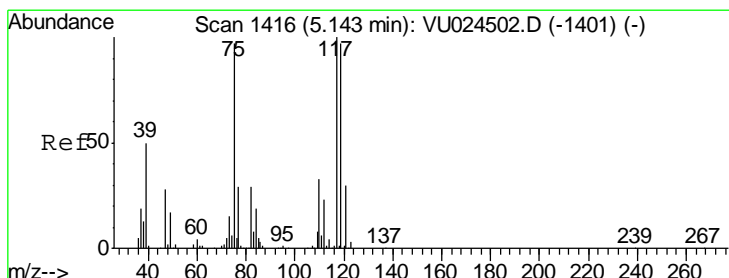
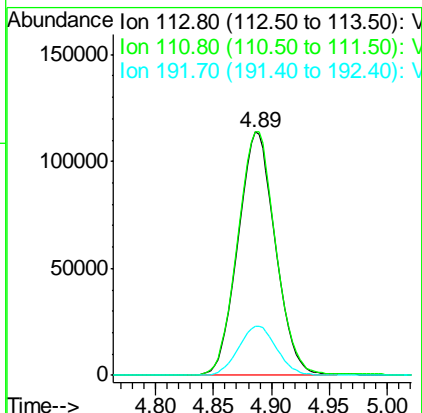
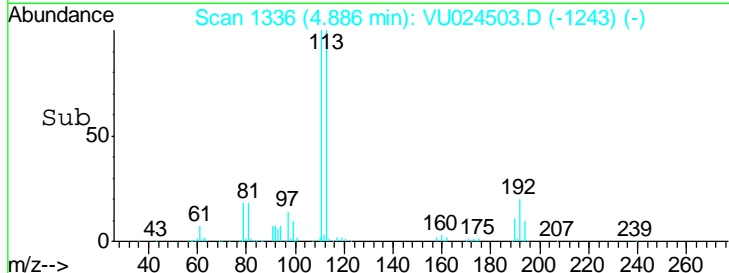
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



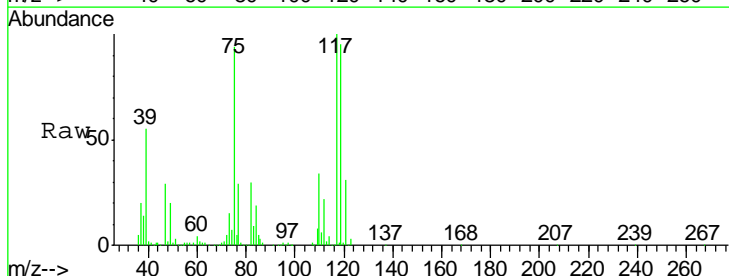
Tgt Ion	Resp	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	20.8	16.2	24.4

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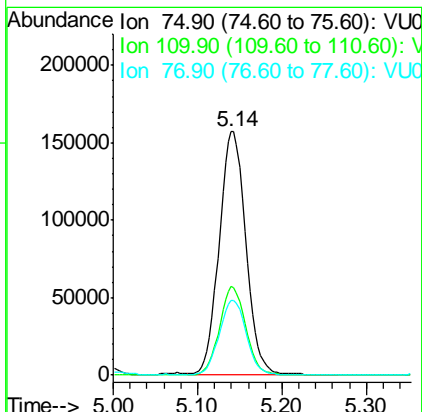
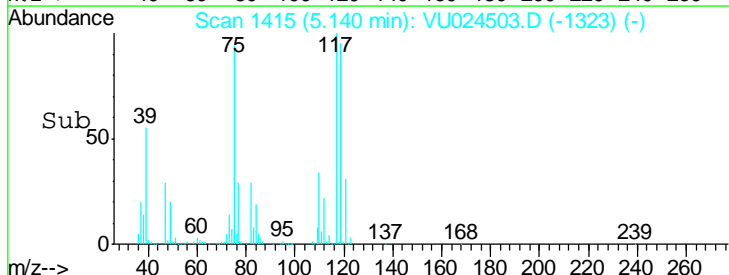
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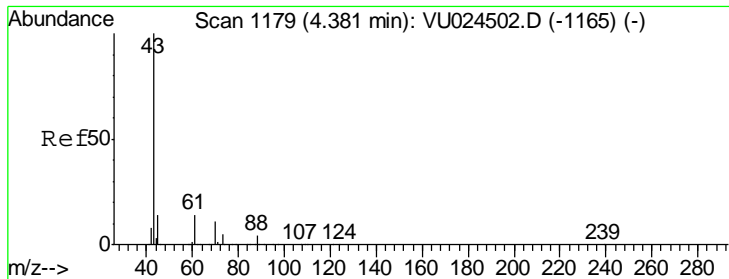


#36
 1,1-Dichloropropene
 Concen: 77.385 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05



Tgt Ion	Resp	Lower	Upper
75	100		
110	36.0	17.0	50.9
77	30.4	24.2	36.4





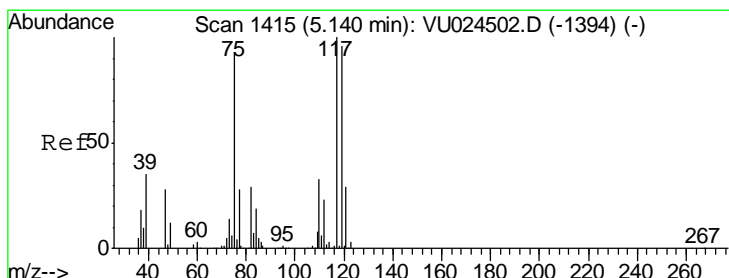
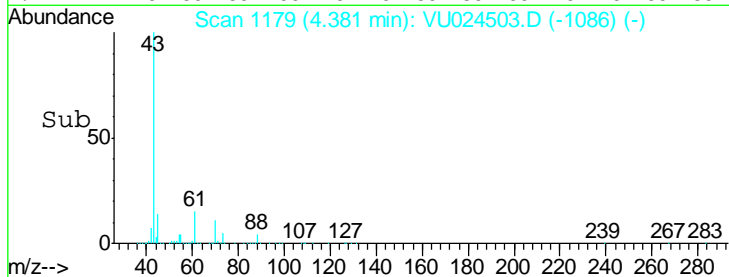
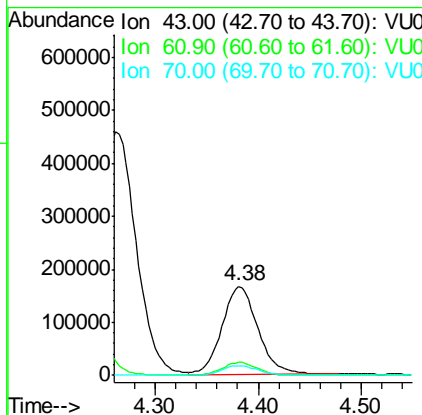
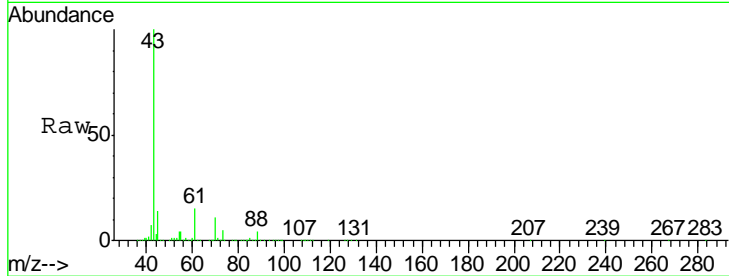
#37
 Ethyl Acetate
 Concen: 80.338 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.4	10.5	15.7
70	10.6	7.4	11.2

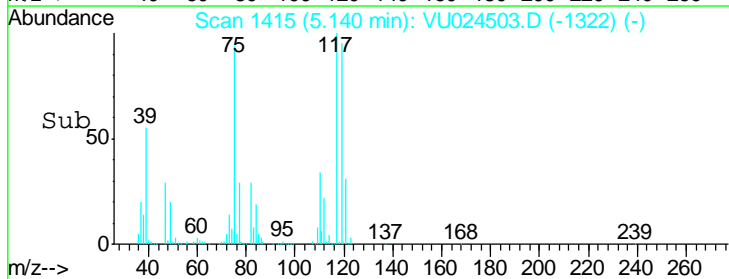
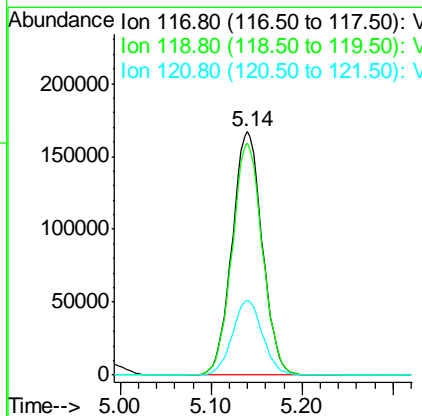
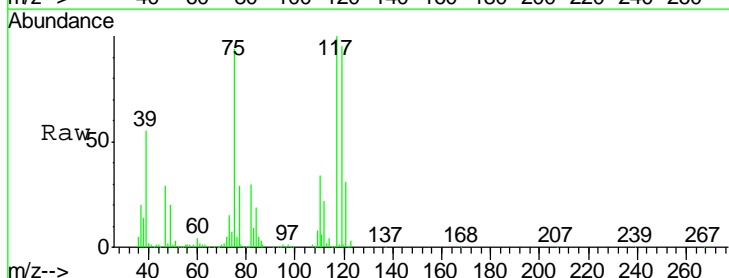
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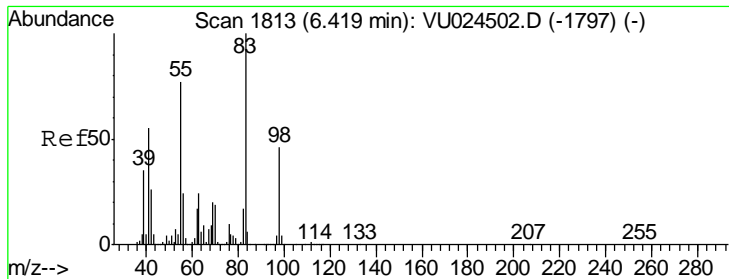
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#38
 Carbon Tetrachloride
 Concen: 90.380 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.2	76.1	114.1
121	30.7	23.7	35.5





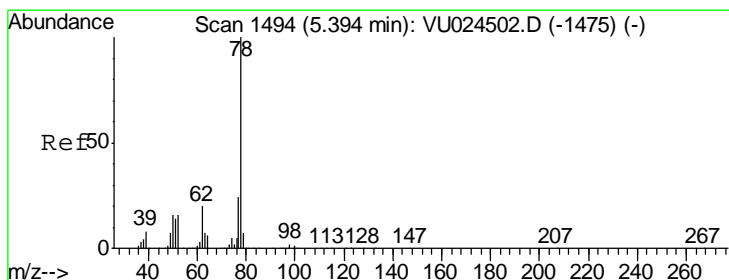
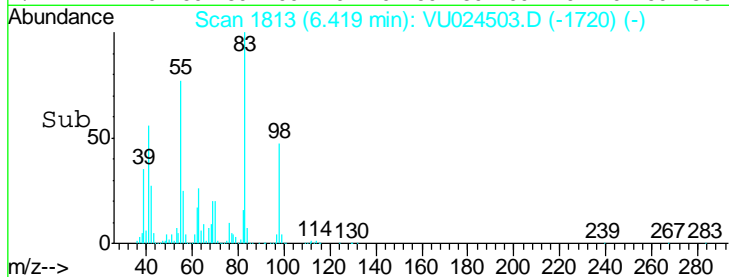
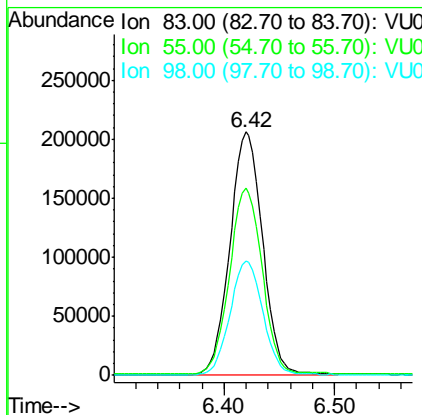
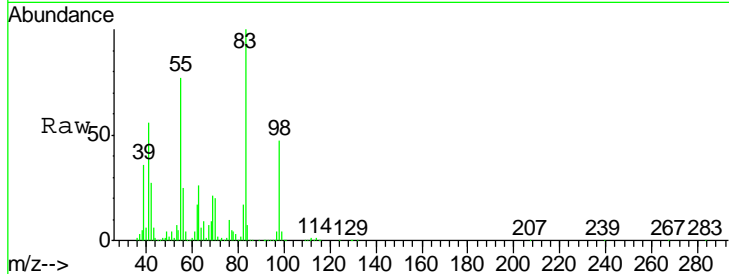
#39
 Methylcyclohexane
 Concen: 87.532 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	420908		
83	100		
55	76.6	65.8	98.6
98	47.0	36.7	55.1

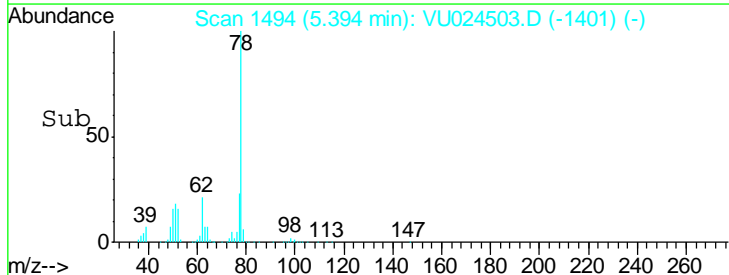
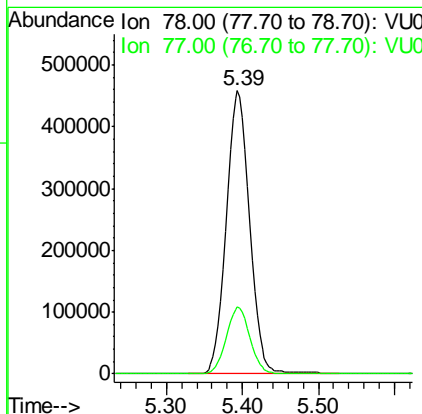
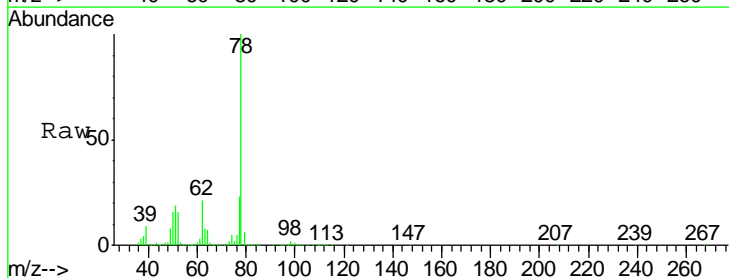
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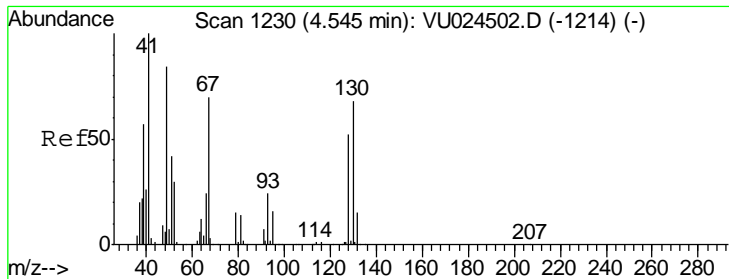
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#40
 Benzene
 Concen: 73.376 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

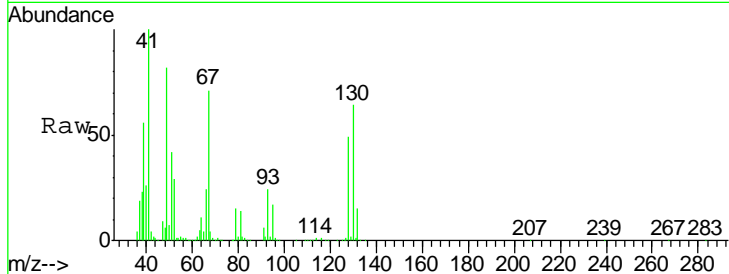
Tgt Ion	Resp	Lower	Upper
78	984314		
78	100		
77	23.4	19.2	28.8





#41
 Methacrylonitrile
 Concen: 77.649 ug/l
 RT: 4.54 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

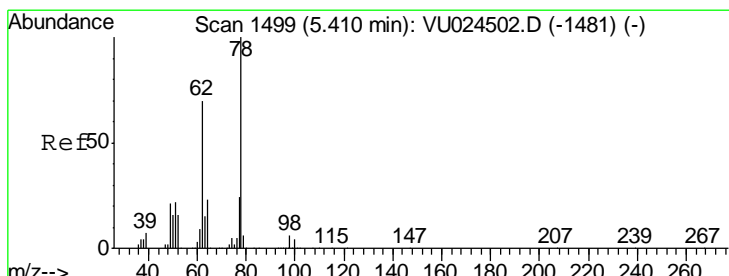
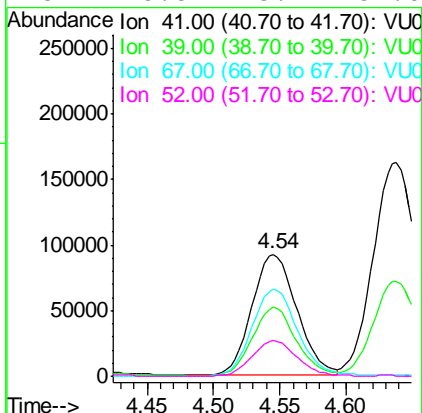
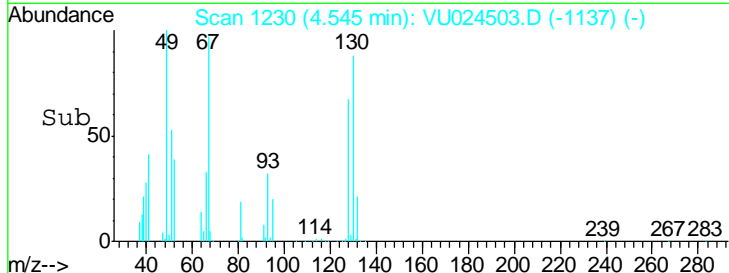


Tgt Ion: 41 Resp: 217154

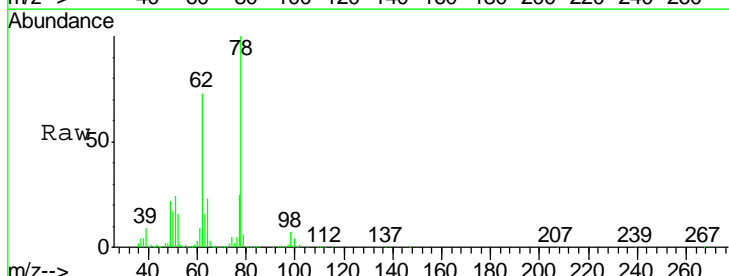
Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.8	65.6
67	72.6	56.3	84.5
52	28.8	23.2	34.8

Manual Integrations
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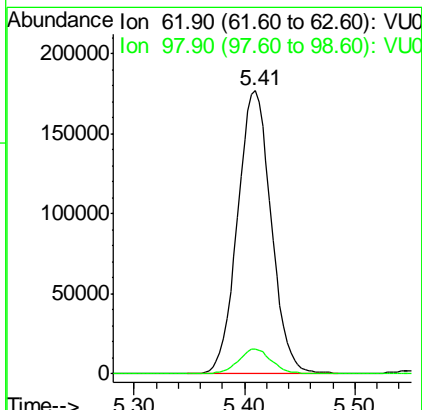
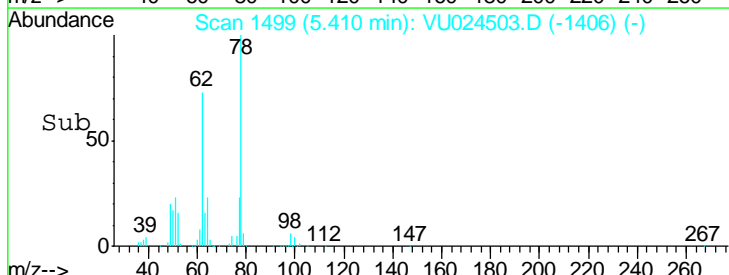


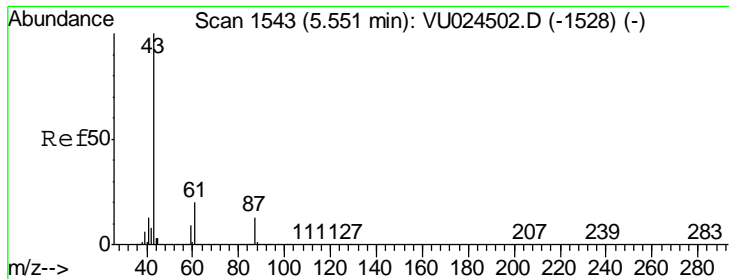
#42
 1,2-Dichloroethane
 Concen: 72.787 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05



Tgt Ion: 62 Resp: 373948

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





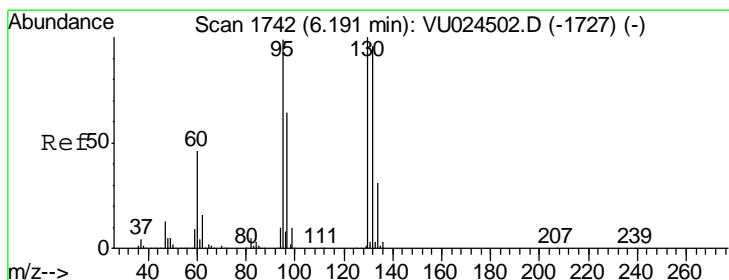
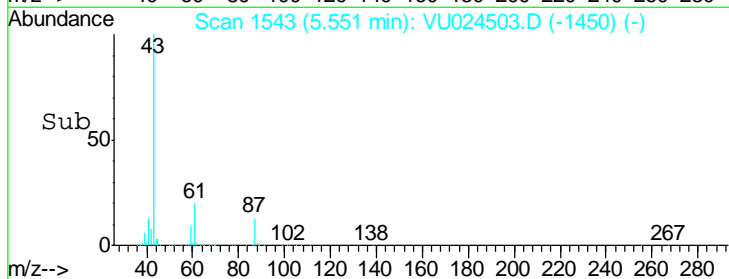
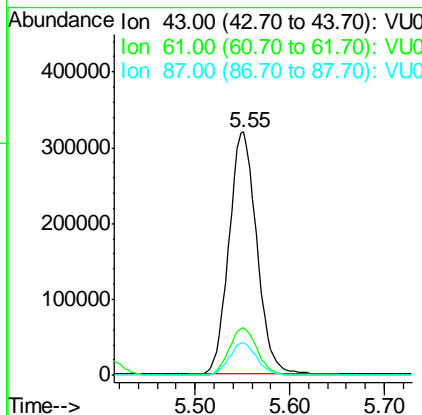
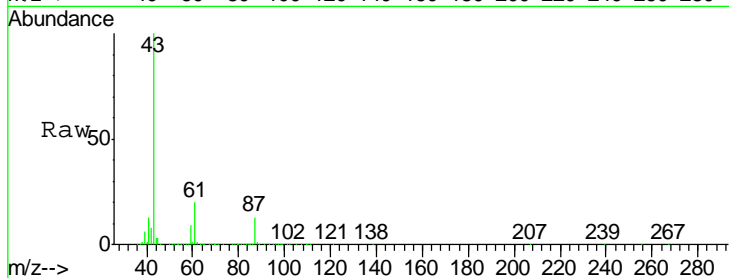
#43
 Isopropyl Acetate
 Concen: 85.966 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.0	15.4	23.0
87	13.4	10.0	15.0

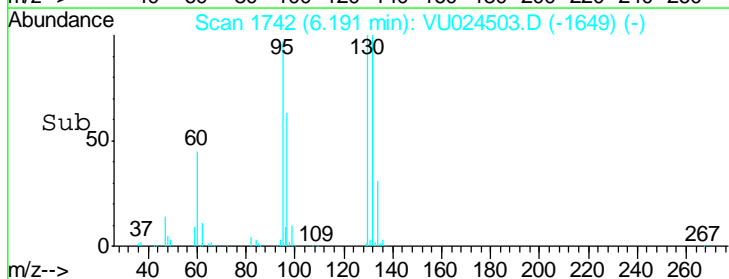
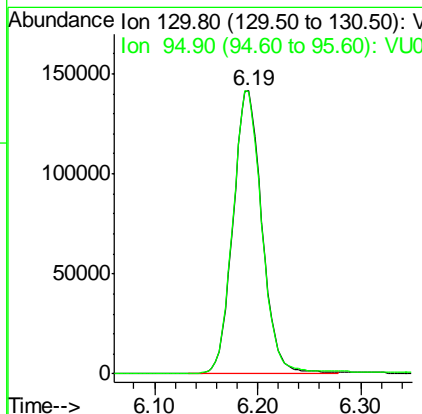
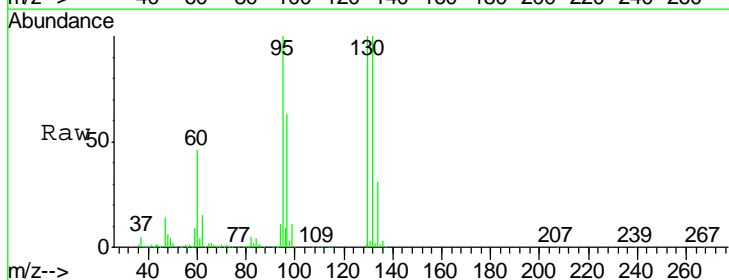
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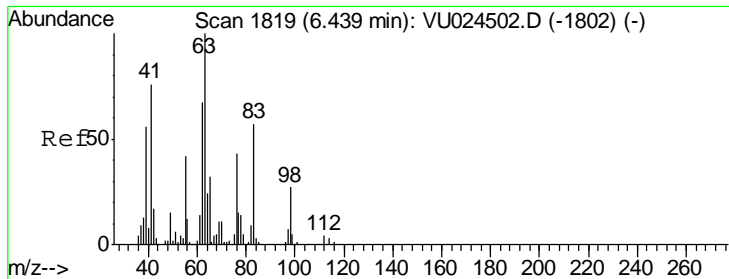
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#44
 Trichloroethene
 Concen: 79.323 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
130	100		
95	99.4	0.0	202.4





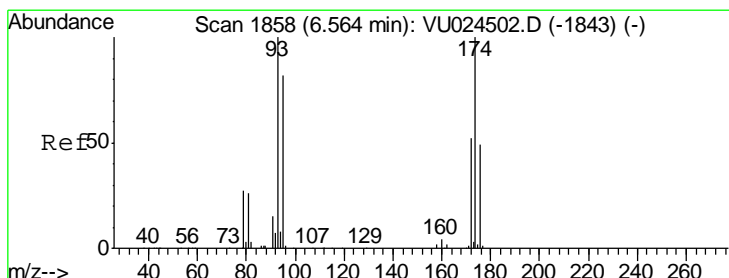
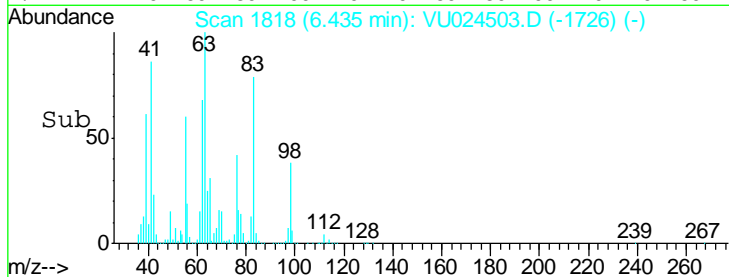
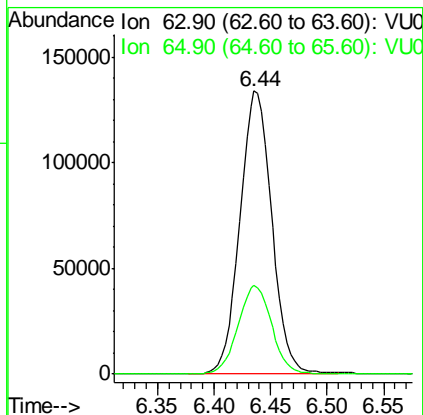
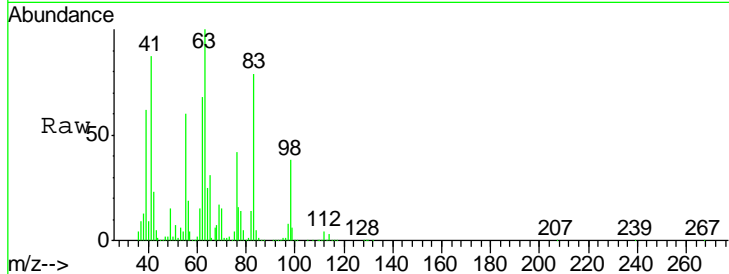
#45
 1,2-Dichloropropane
 Concen: 73.219 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.4	24.8	37.2

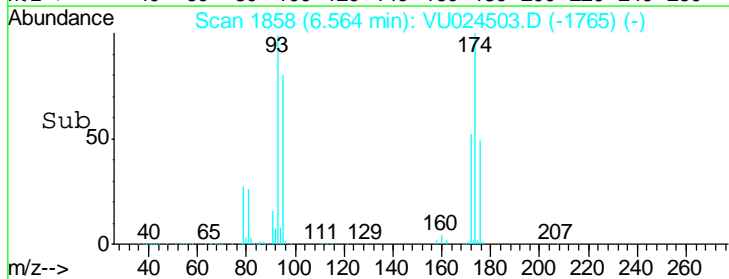
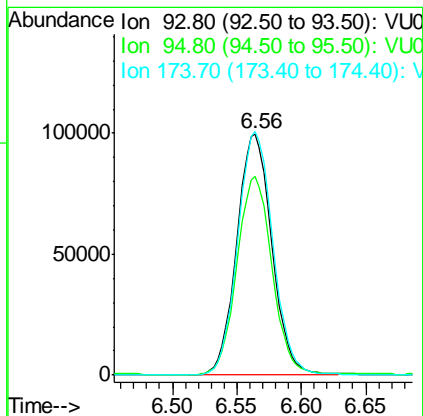
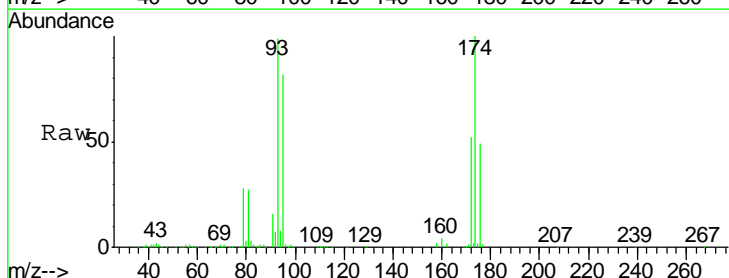
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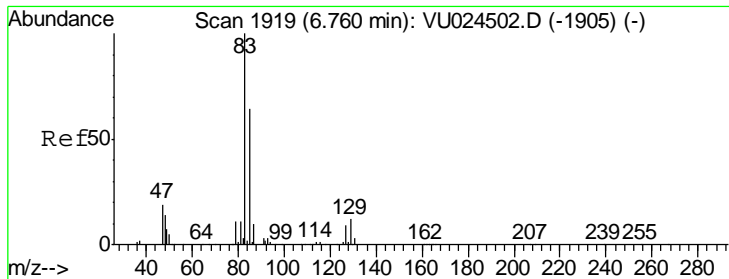
MMDadoda
 6/14/2018 9:44:37 AM



#46
 Dibromomethane
 Concen: 78.749 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
93	100		
95	82.7	65.5	98.3
174	102.1	78.7	118.1





#47

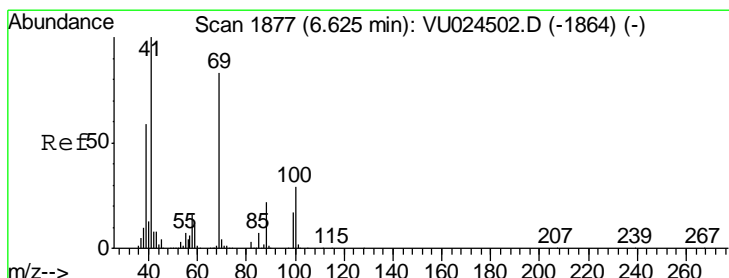
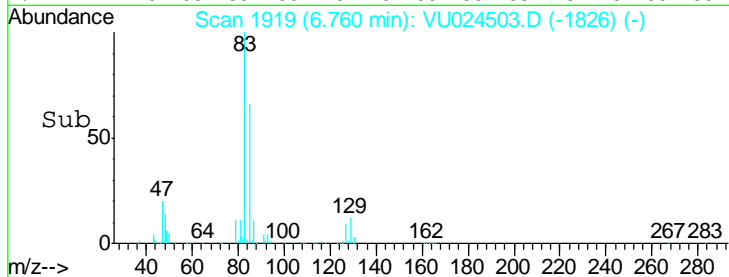
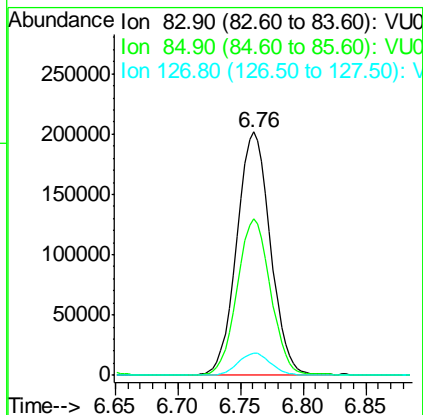
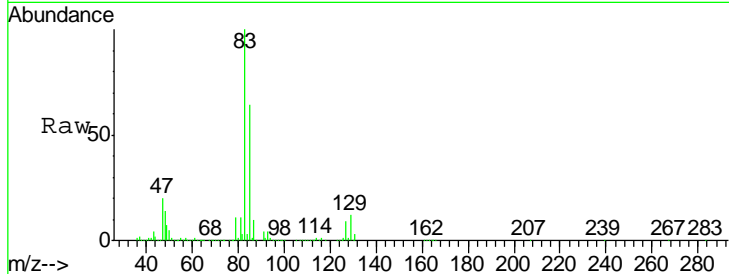
Bromodichloromethane
 Concen: 80.815 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VU024503.D
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	373188		
83	100		
85	64.2	51.9	77.9
127	9.2	6.6	9.8

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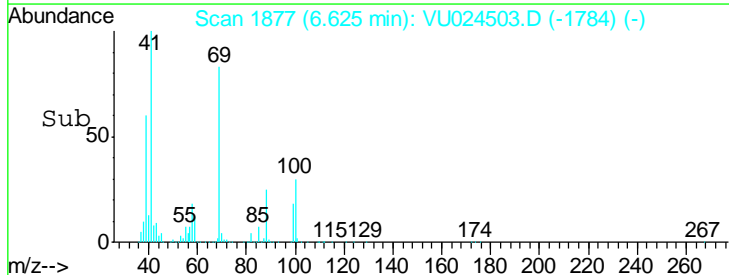
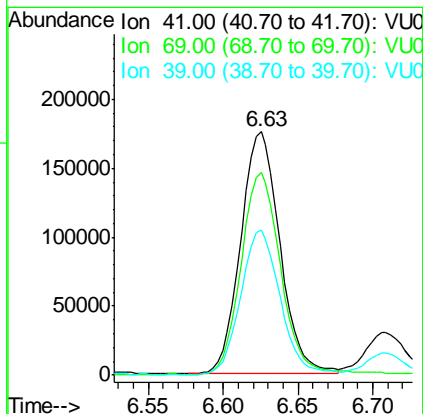
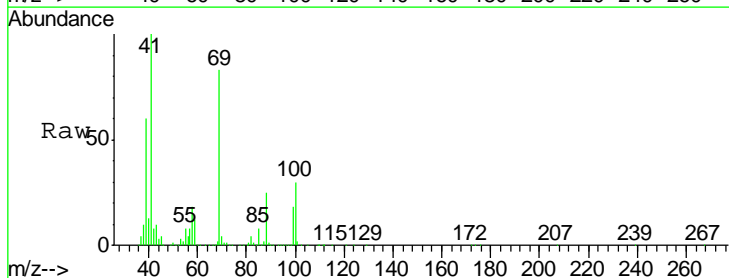
MMDadoda
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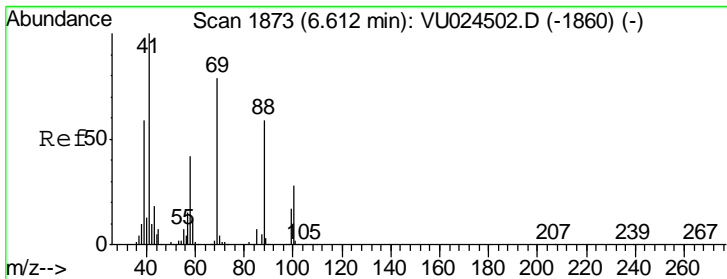


#48

Methyl methacrylate
 Concen: 85.544 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

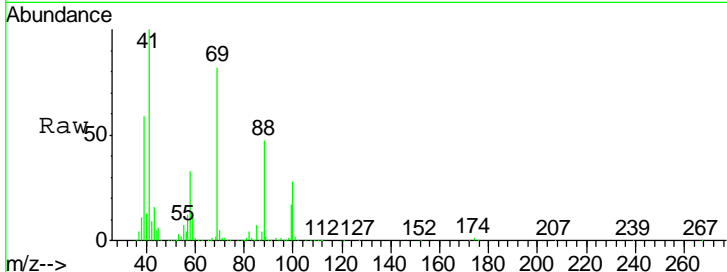
Tgt Ion	Resp	Lower	Upper
41	318712		
41	100		
69	85.0	67.3	100.9
39	59.8	46.5	69.7





#49
 1,4-Dioxane
 Concen: 1522.509 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

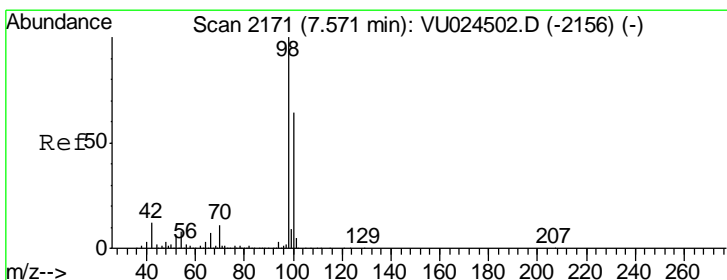
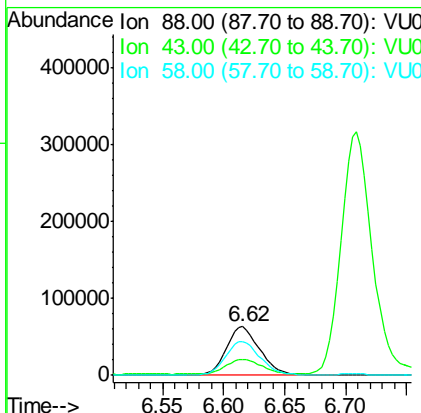
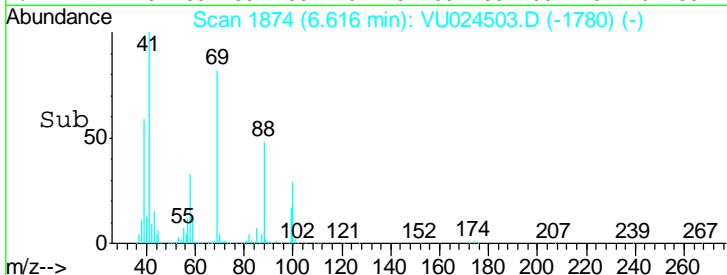


Tgt Ion: 88 Resp: 119671

Ion	Ratio	Lower	Upper
88	100		
43	33.5	28.6	42.8
58	71.6	58.2	87.4

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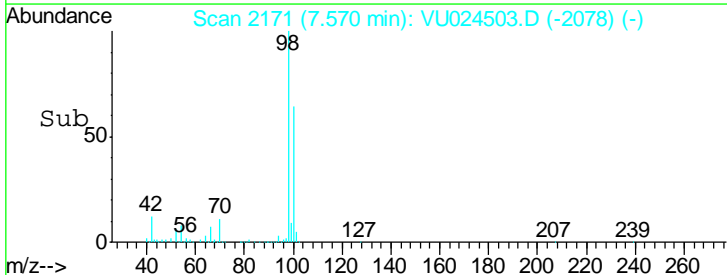
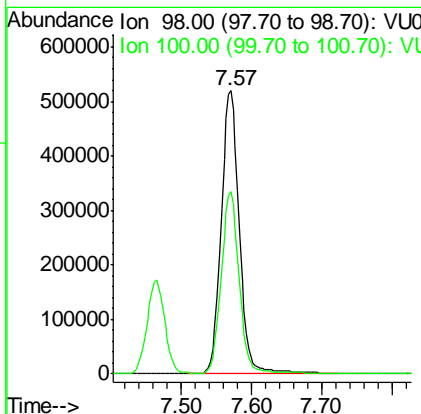
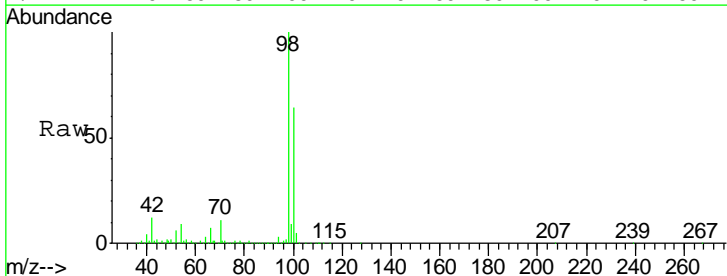
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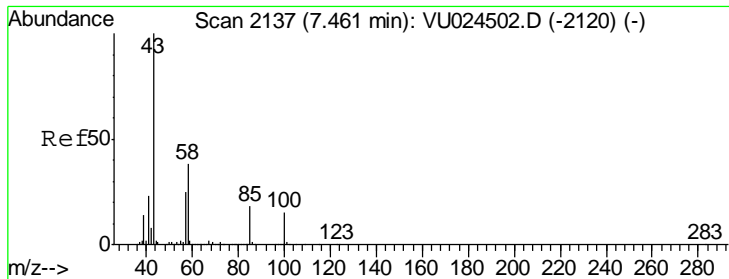


#50
 Toluene-d8
 Concen: 77.893 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion: 98 Resp: 932408

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





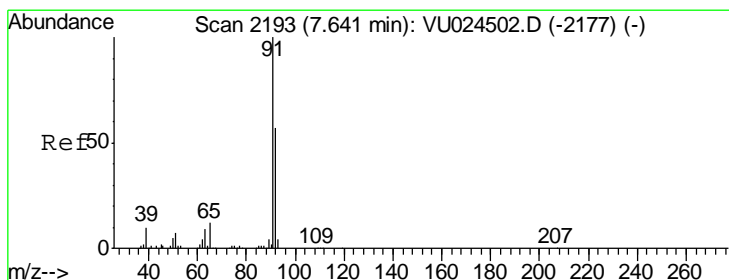
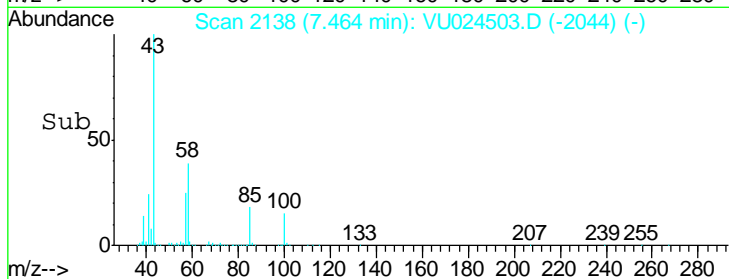
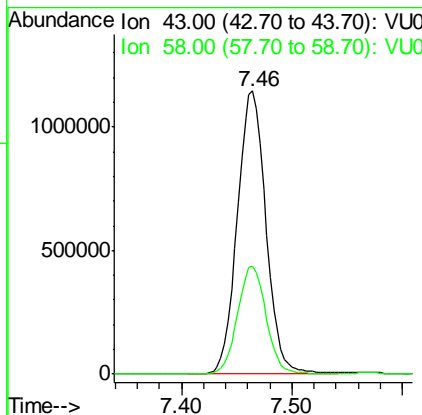
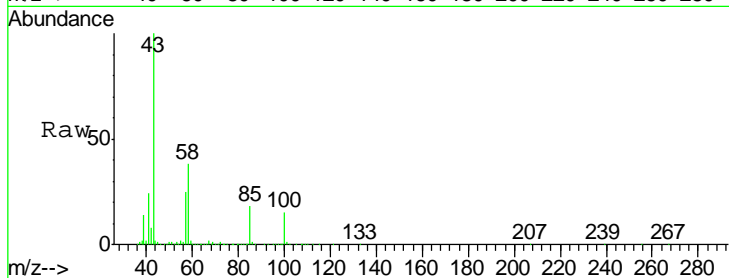
#51
 4-Methyl-2-Pentanone
 Concen: 374.175 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.3	30.0	45.0

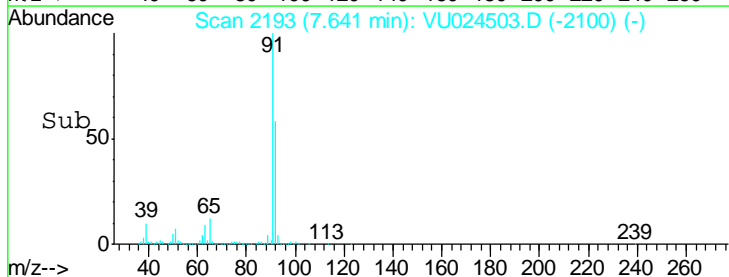
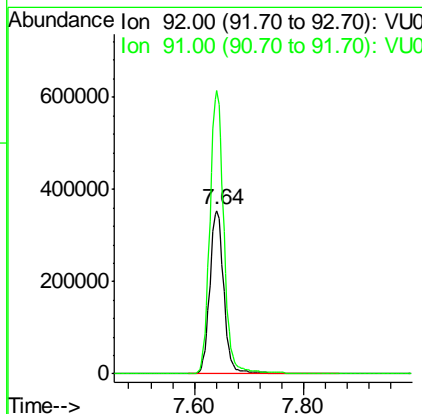
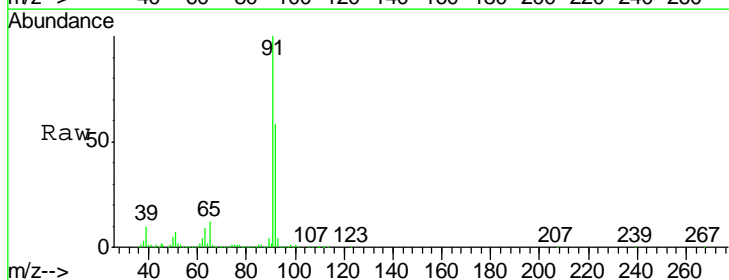
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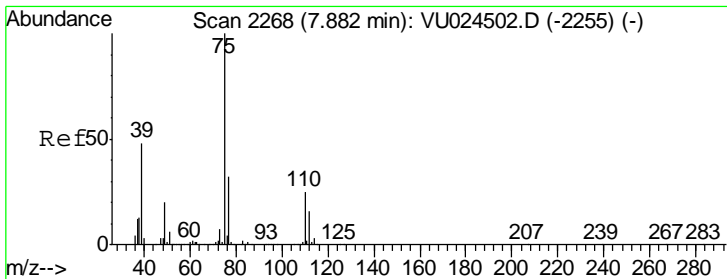
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#52
 Toluene
 Concen: 79.577 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
92	100		
91	172.4	140.5	210.7





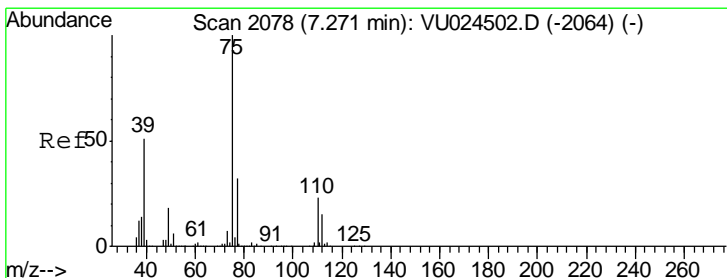
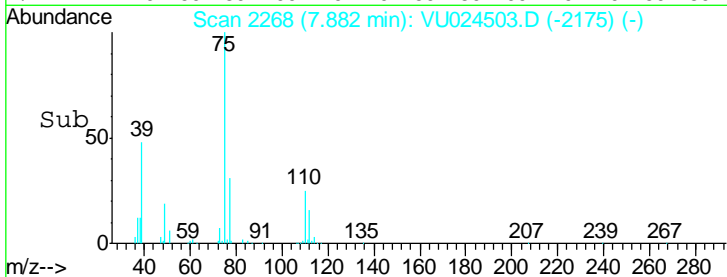
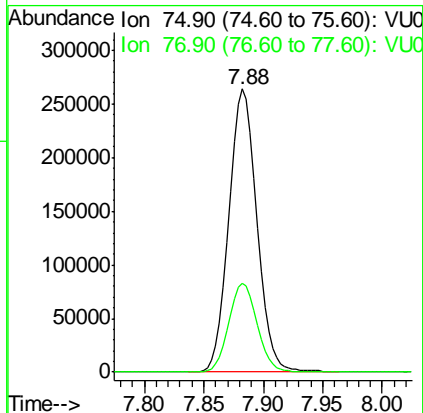
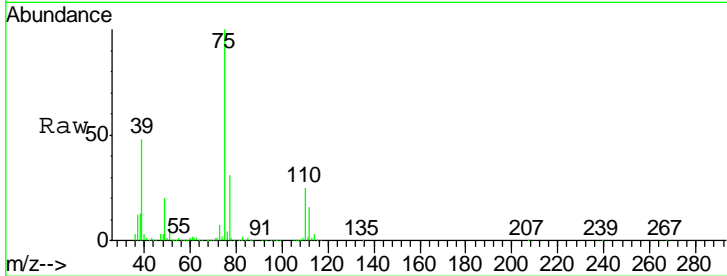
#53
 t-1,3-Dichloropropene
 Concen: 90.148 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	432910		
77	31.4	24.8	37.2

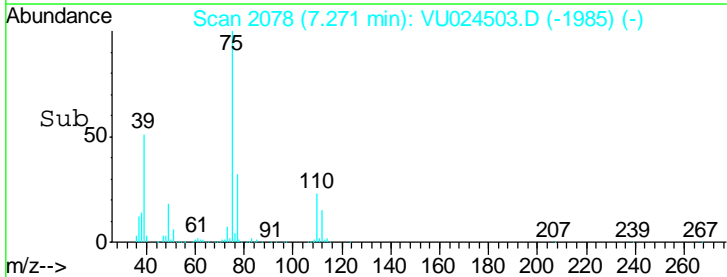
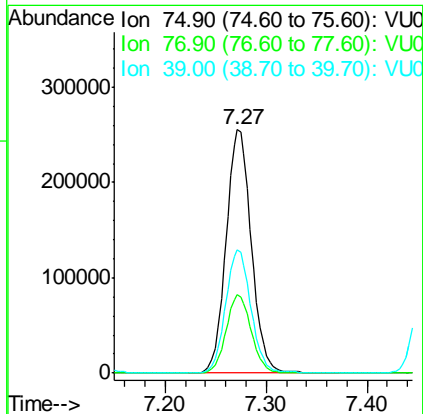
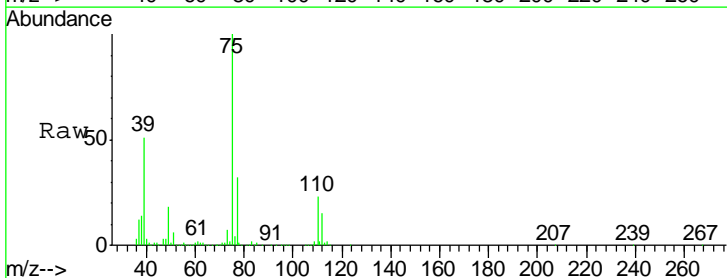
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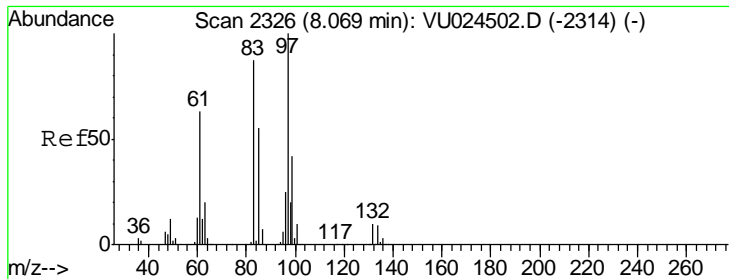
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#54
 cis-1,3-Dichloropropene
 Concen: 85.124 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

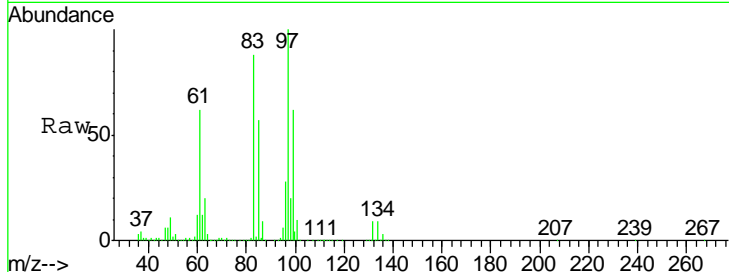
Tgt Ion	Resp	Lower	Upper
75	446031		
77	32.0	24.6	36.8
39	50.5	39.8	59.6





#55
 1,1,2-Trichloroethane
 Concen: 74.050 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

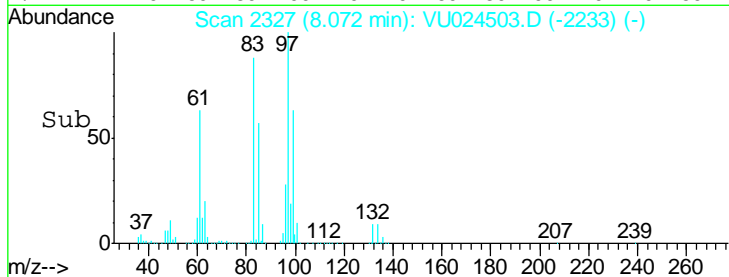
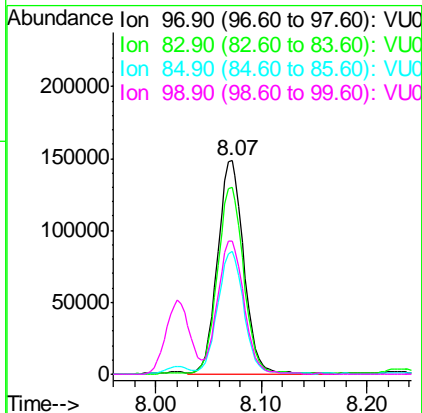
Instrument : MSVOA_U
 ClientSampled : VSTDIC100



Tgt Ion: 97 Resp: 252909

Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.5	105.7
85	57.3	46.4	69.6
99	62.3	50.2	75.2

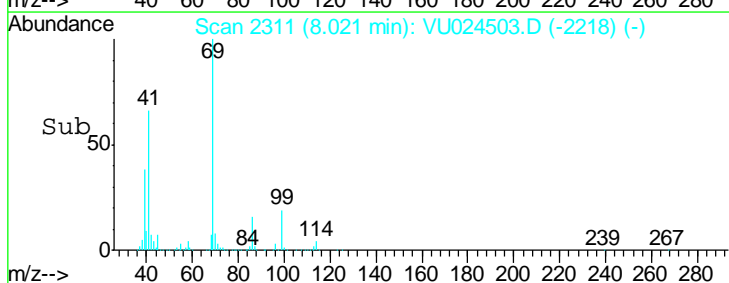
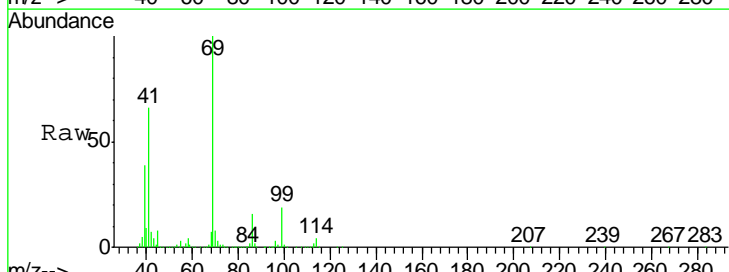
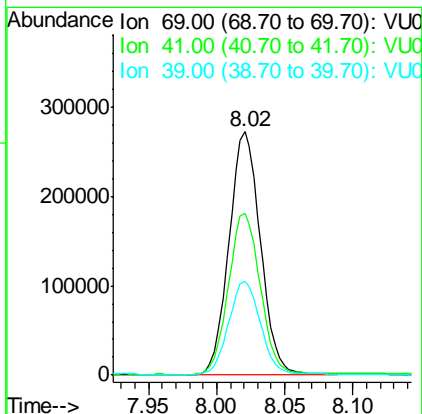
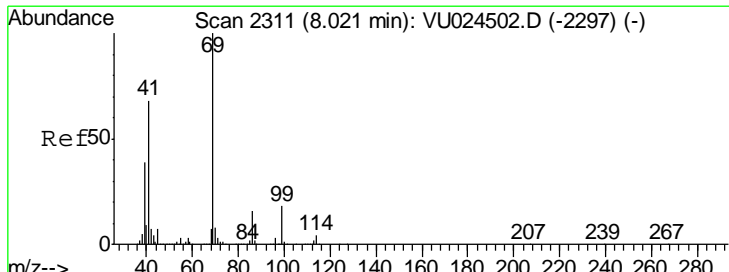
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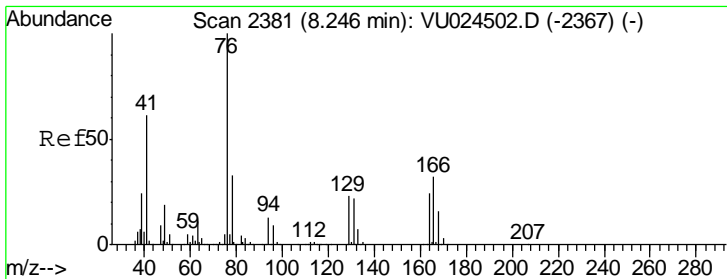


#56
 Ethyl methacrylate
 Concen: 97.768 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion: 69 Resp: 435195

Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.1	81.1
39	38.9	30.3	45.5





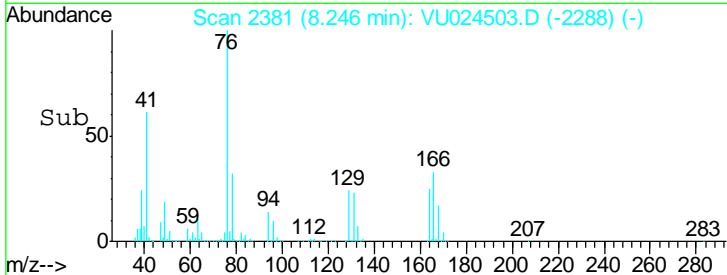
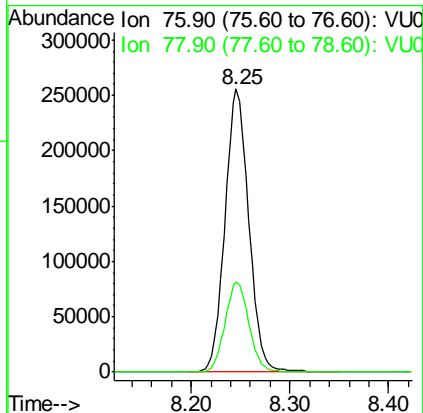
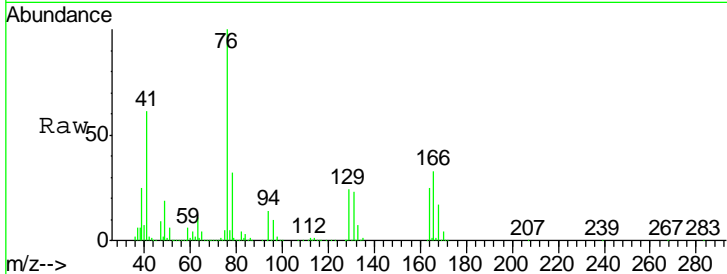
#57
 1,3-Dichloropropane
 Concen: 73.901 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 ClientSampled : VSTDICC100

Tgt Ion	Resp	Lower	Upper
76	433449		
76	100		
78	32.3	25.2	37.8

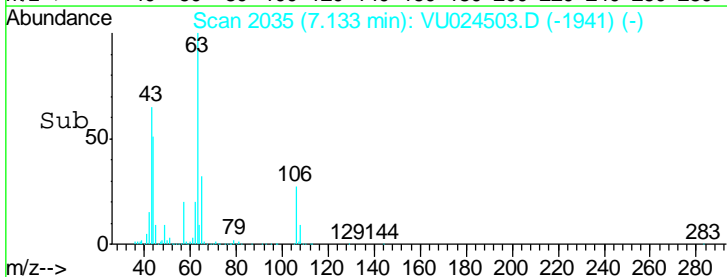
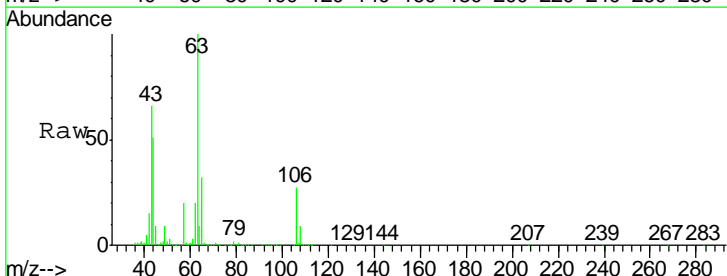
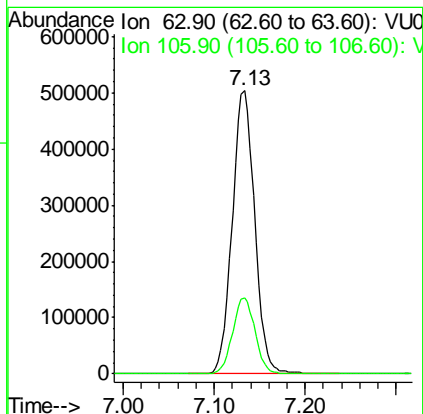
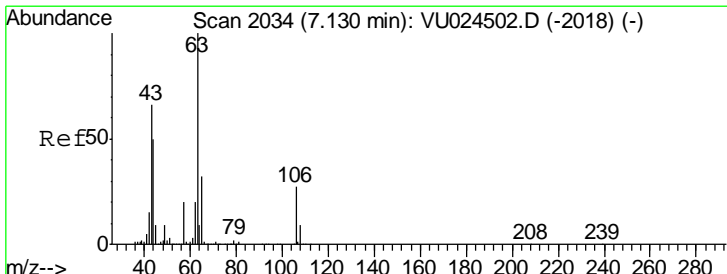
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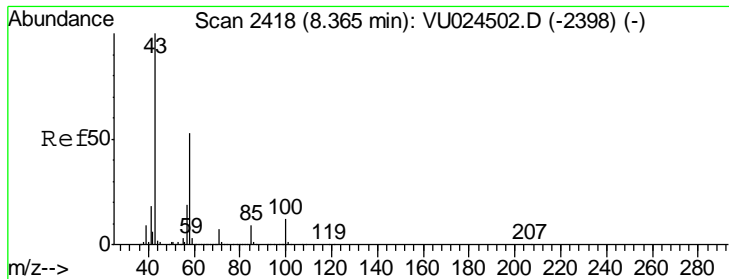
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#58
 2-Chloroethyl Vinyl ether
 Concen: 378.026 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
63	865437		
63	100		
106	27.0	20.2	30.2





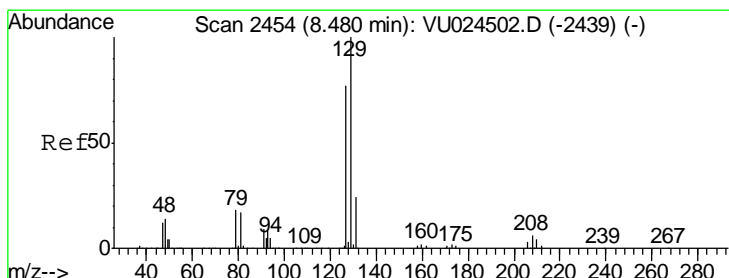
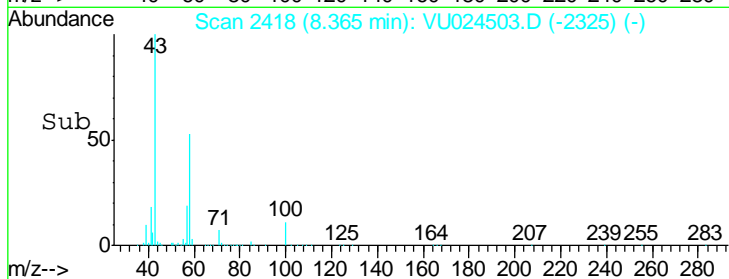
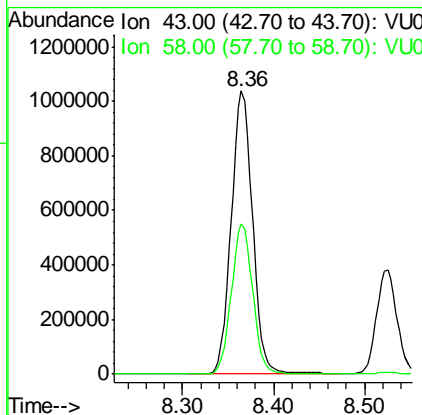
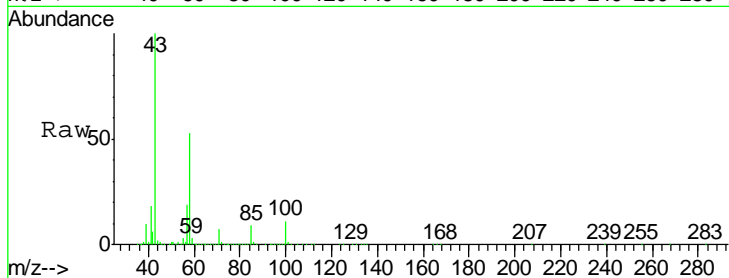
#59
 2-Hexanone
 Concen: 383.759 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	1683447		
58	53.4	26.4	79.0

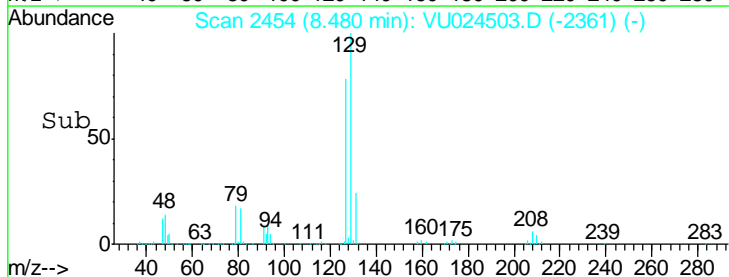
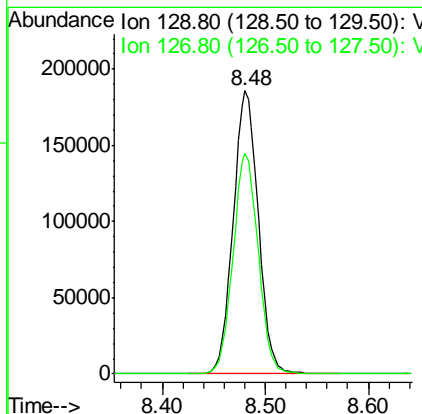
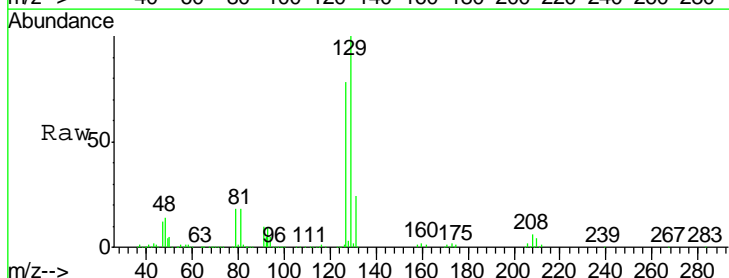
Manual Integrations
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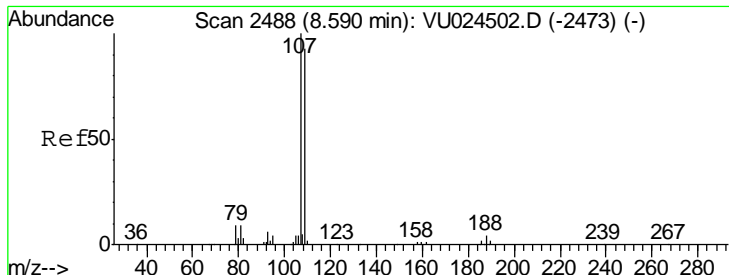
MMDadoda
 6/14/2018 9:44:37 AM



#60
 Dibromochloromethane
 Concen: 91.399 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

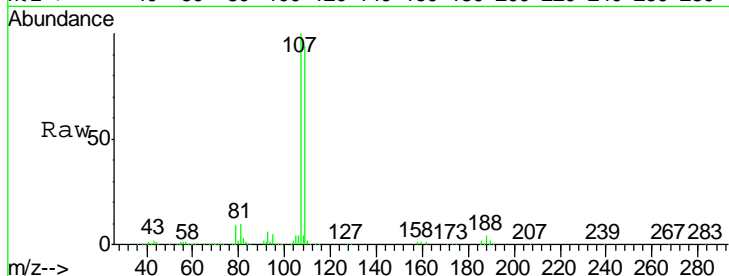
Tgt Ion	Resp	Lower	Upper
129	316738		
127	77.5	38.6	116.0





#61
 1,2-Dibromoethane
 Concen: 79.708 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

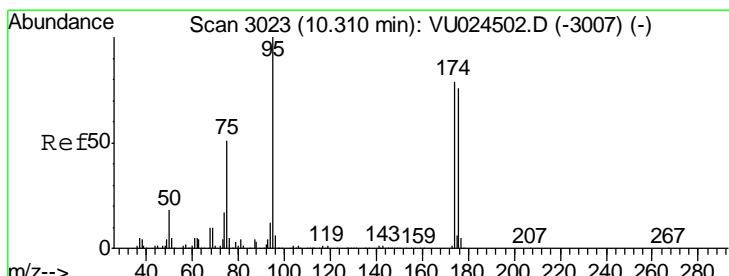
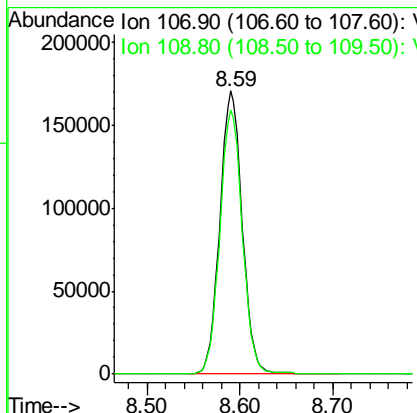
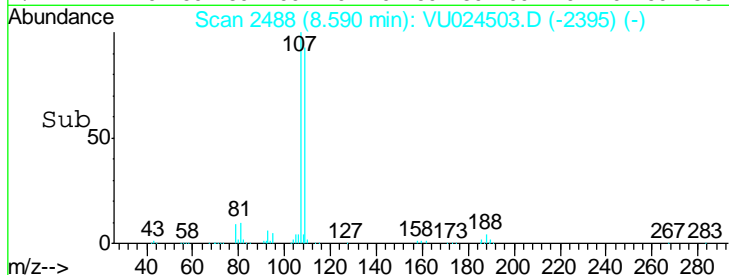
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



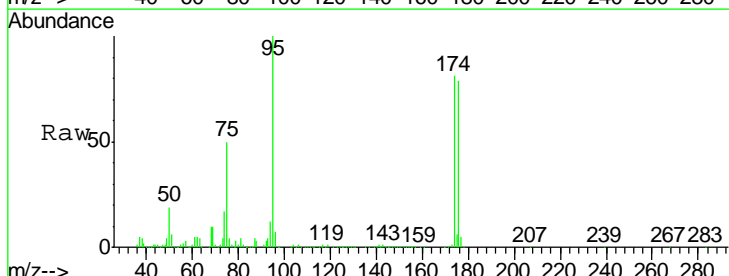
Tgt Ion: 107 Resp: 284733
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.5 111.7

Manual Integrations
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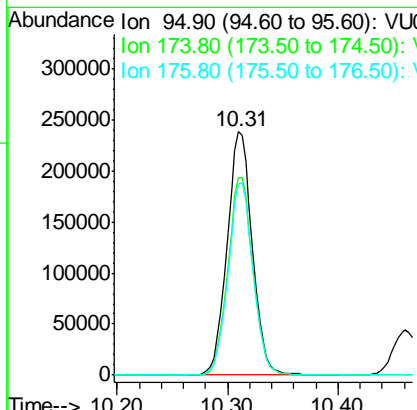
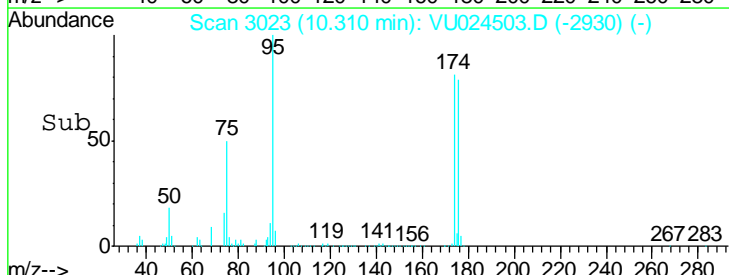
MMDadoda
 6/14/2018 9:44:37 AM

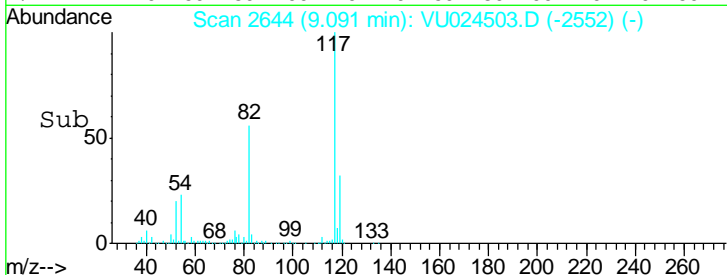
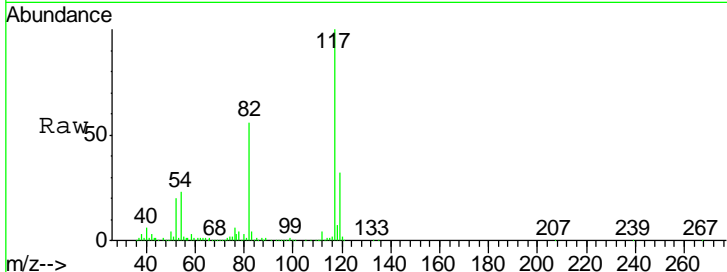
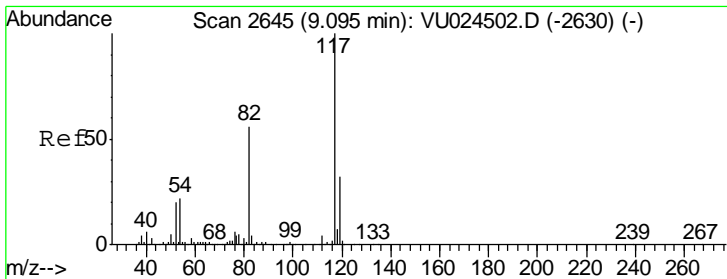


#62
 4-Bromofluorobenzene
 Concen: 85.898 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05



Tgt Ion: 95 Resp: 374746
 Ion Ratio Lower Upper
 95 100
 174 81.7 0.0 165.8
 176 78.9 0.0 159.4



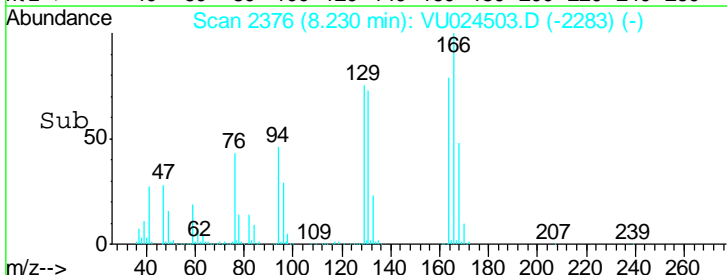
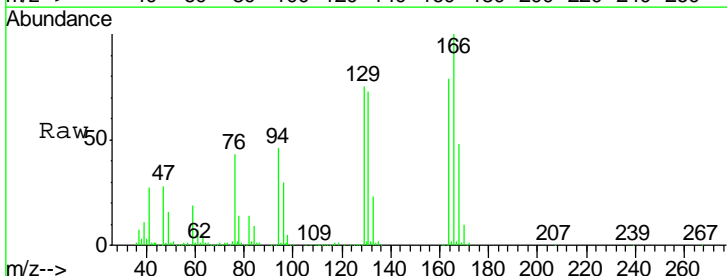
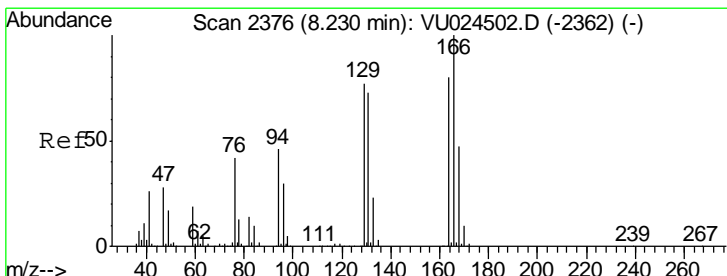
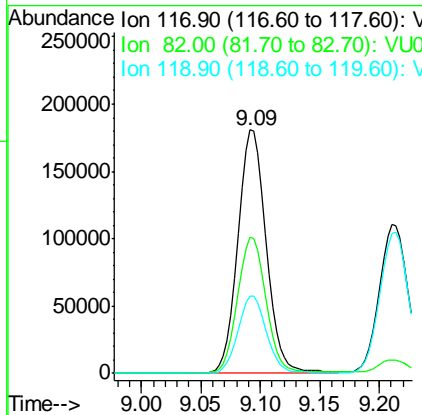


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
117	299176		
82	55.6	44.3	66.5
119	31.8	25.4	38.2

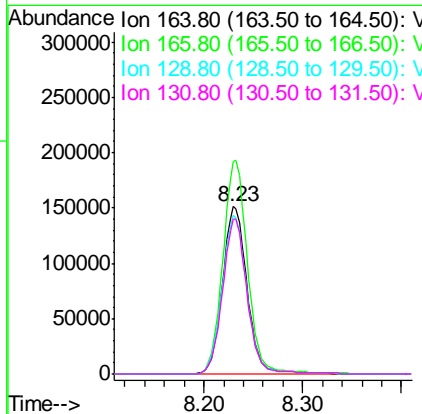
Instrument : MSVOA_U
 Client Sampled : VSTDIC100

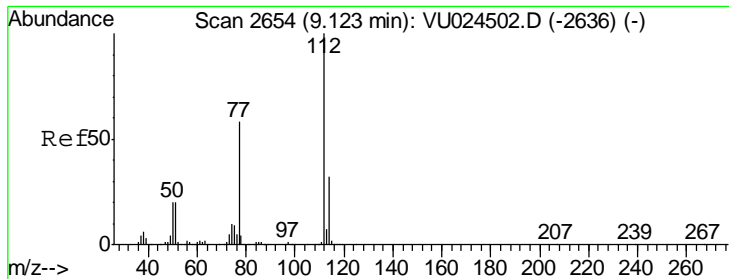
Manual Integrations APPROVED
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#64
 Tetrachloroethene
 Concen: 89.396 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

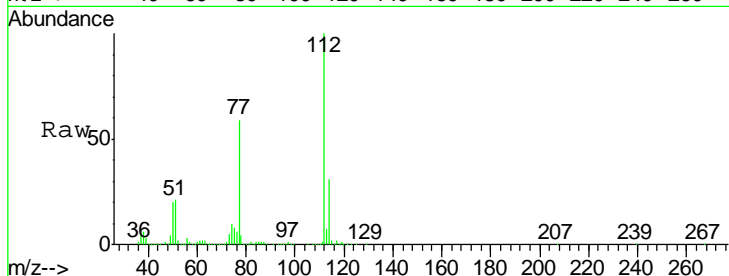
Tgt Ion	Resp	Lower	Upper
164	265873		
166	127.2	101.7	152.5
129	95.1	76.9	115.3
131	92.8	74.9	112.3





#65
 Chlorobenzene
 Concen: 82.382 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

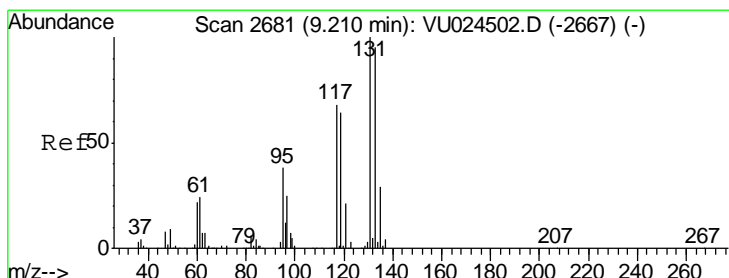
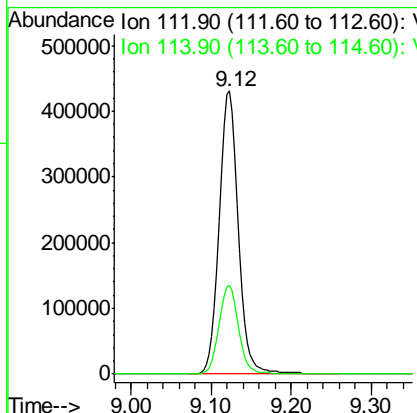
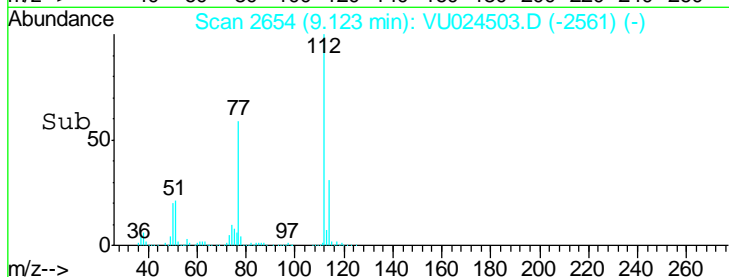
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



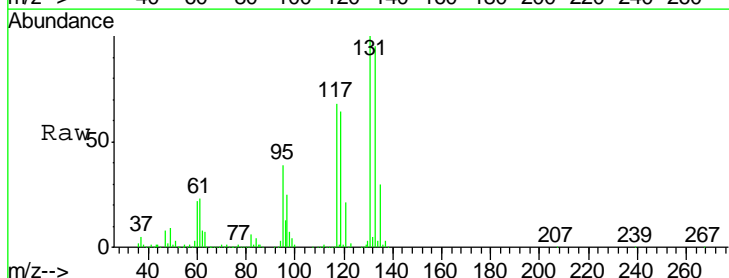
Tgt Ion: 112 Resp: 717250
 Ion Ratio Lower Upper
 112 100
 114 31.5 25.6 38.4

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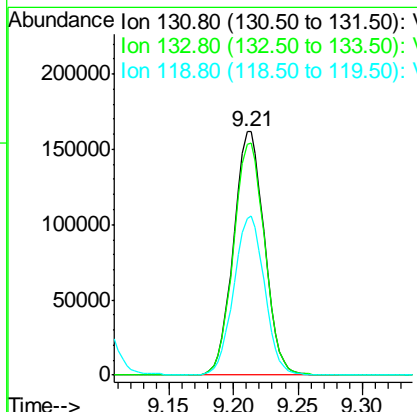
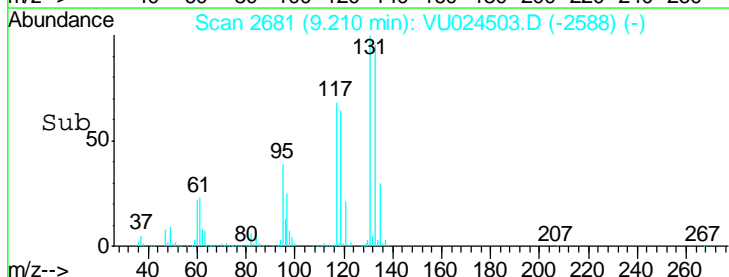
MMDadoda
 6/14/2018 9:44:37 AM

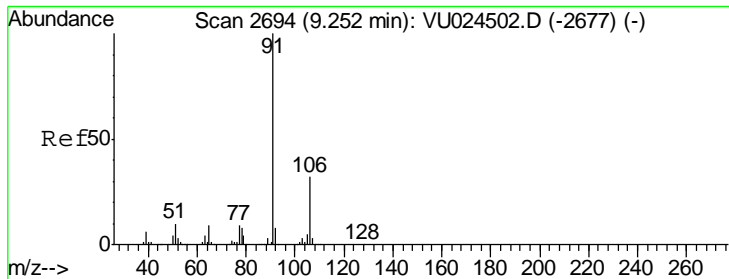


#66
 1,1,1,2-Tetrachloroethane
 Concen: 89.951 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05



Tgt Ion: 131 Resp: 268812
 Ion Ratio Lower Upper
 131 100
 133 96.7 46.9 140.8
 119 64.8 33.5 100.4





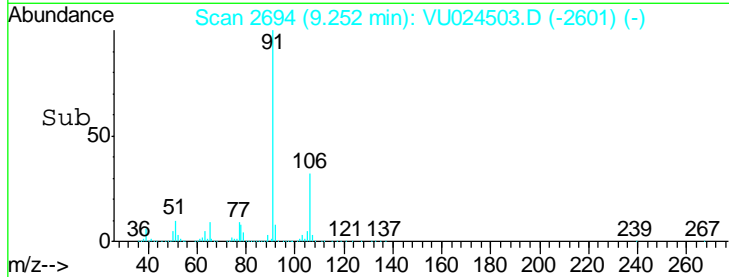
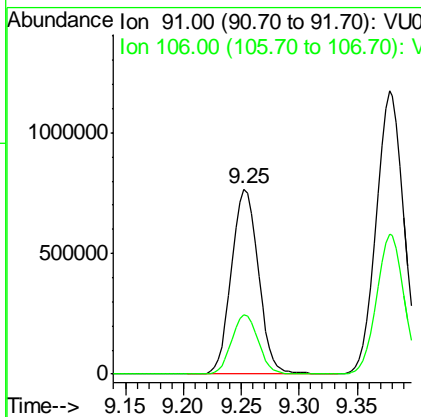
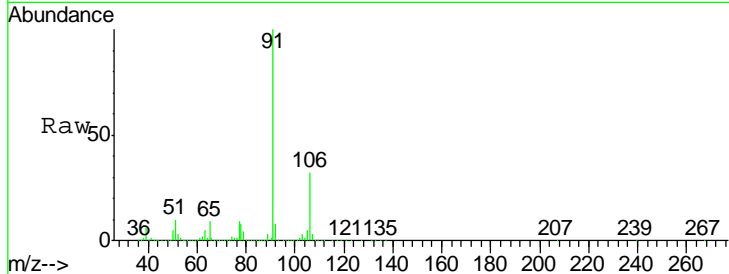
#67
 Ethyl Benzene
 Concen: 88.151 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion: 91 Resp: 1237463

Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.2	36.4

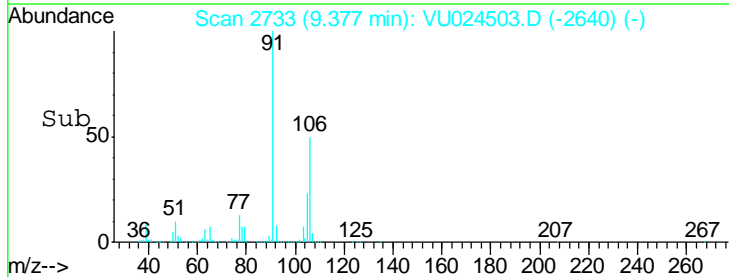
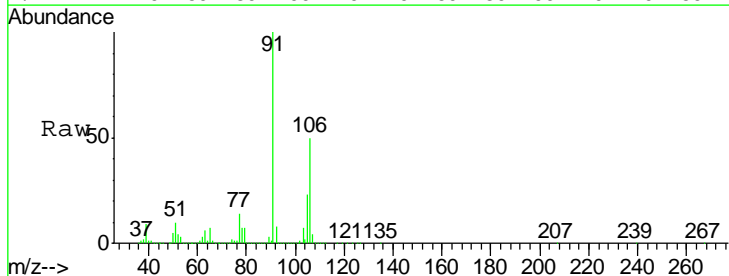
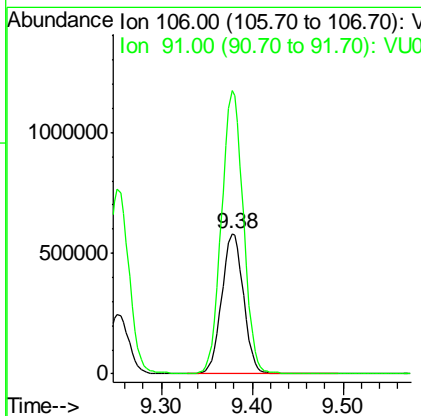
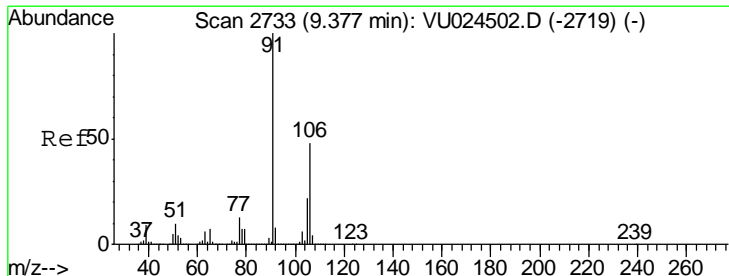
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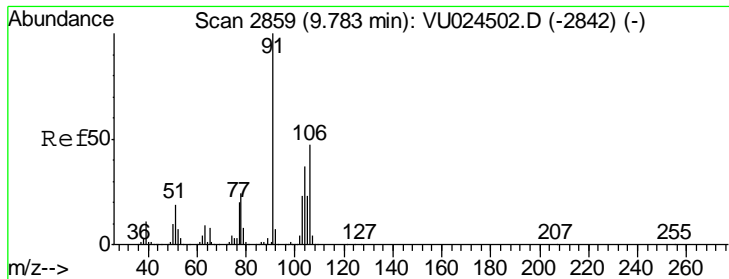


#68
 m/p-Xylenes
 Concen: 180.350 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion: 106 Resp: 964415

Ion	Ratio	Lower	Upper
106	100		
91	202.8	166.5	249.7





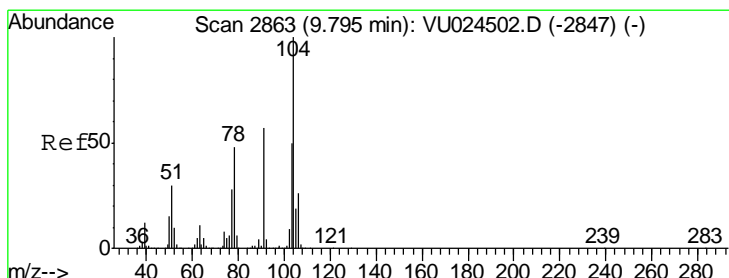
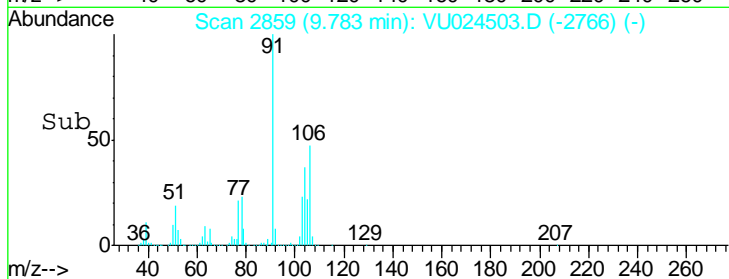
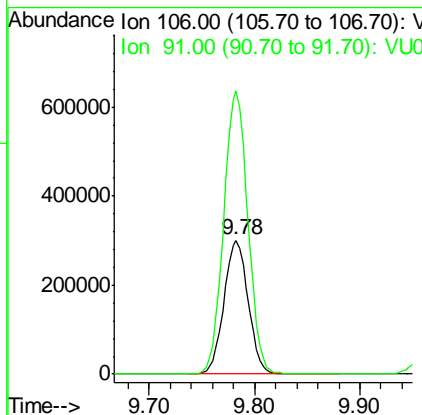
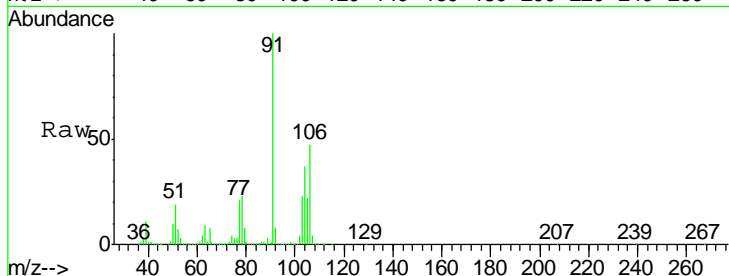
#69
 o-Xylene
 Concen: 96.835 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
106	477305		
106	100		
91	211.3	110.7	331.9

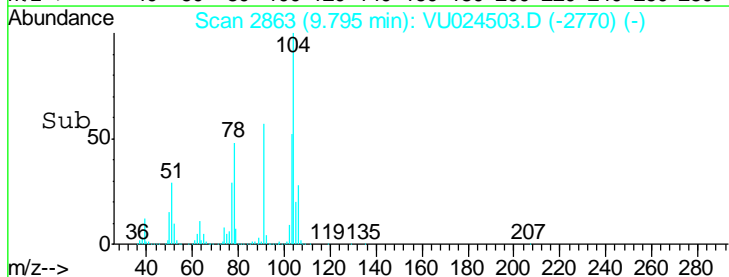
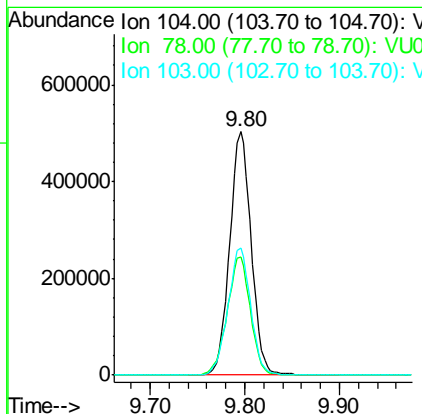
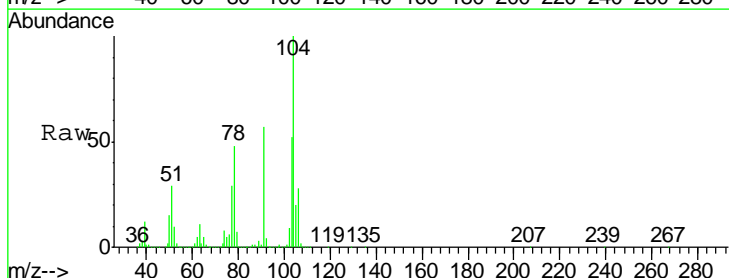
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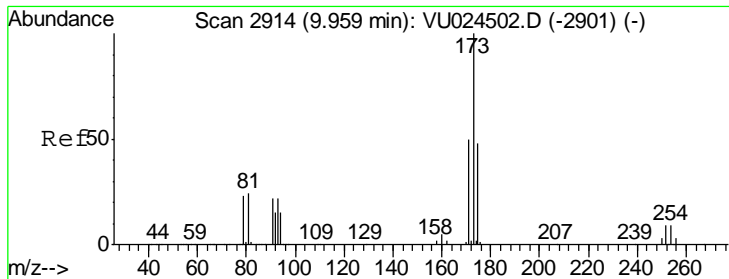
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#70
 Styrene
 Concen: 94.886 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

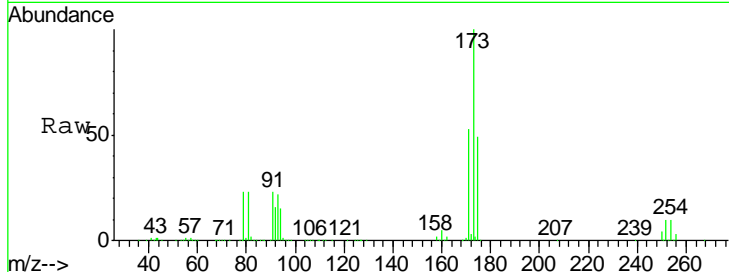
Tgt Ion	Resp	Lower	Upper
104	796335		
104	100		
78	52.4	40.6	60.8
103	55.2	44.7	67.1





#71
 Bromoform
 Concen: 102.130 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

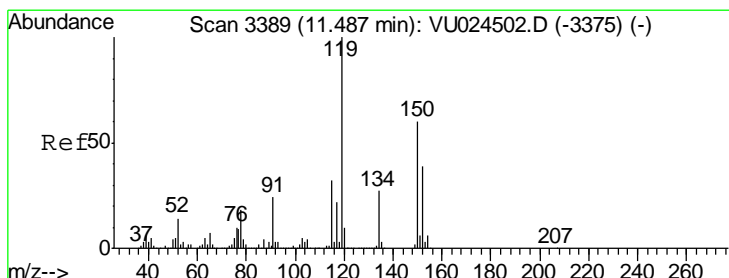
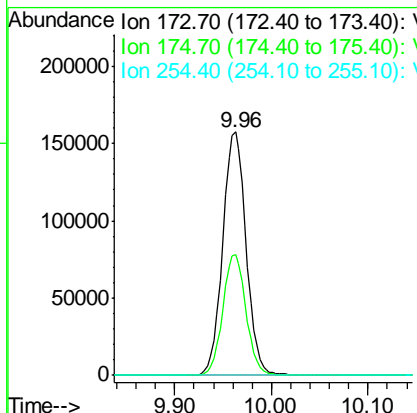
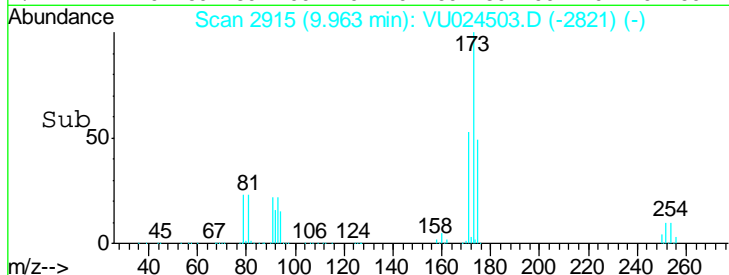
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC100



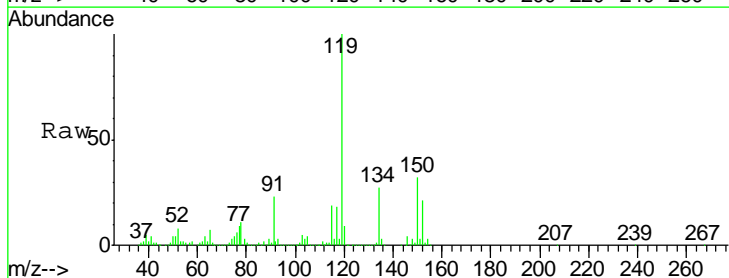
Tgt Ion	Resp	Lower	Upper
173	100		
175	49.4	24.6	74.0
254	0.1	0.0	0.0

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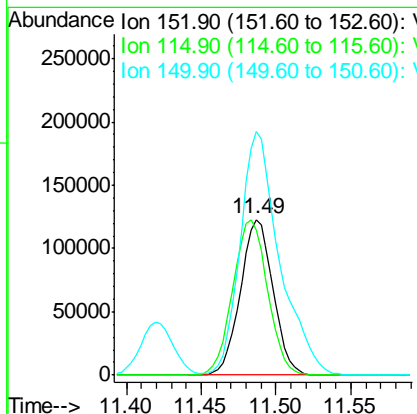
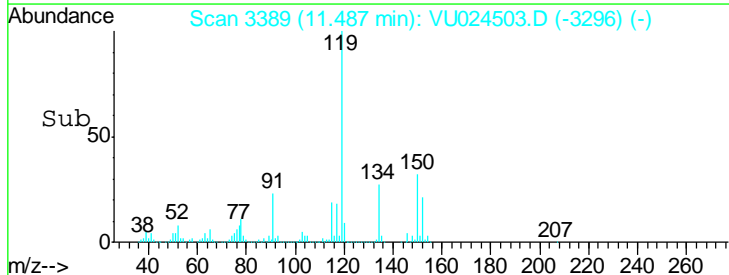
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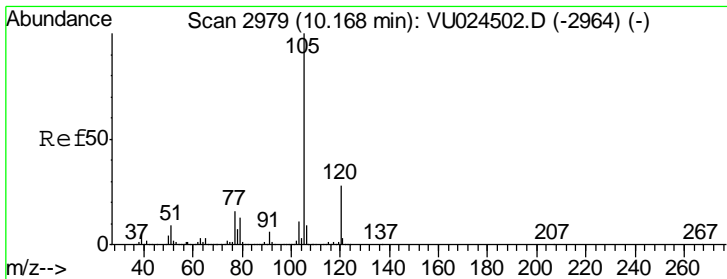


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05



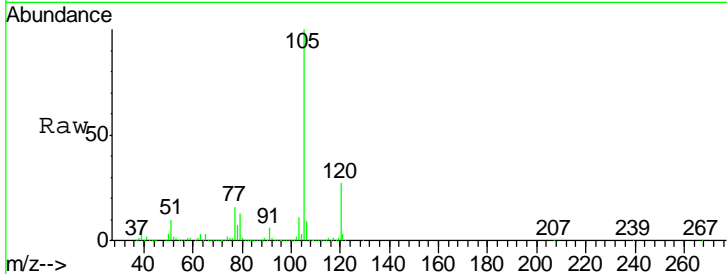
Tgt Ion	Resp	Lower	Upper
152	100		
115	105.8	43.0	129.0
150	188.6	0.0	354.0





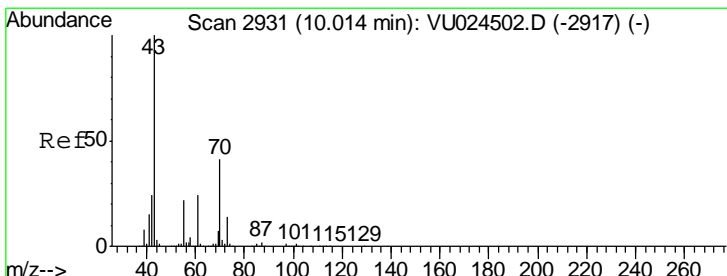
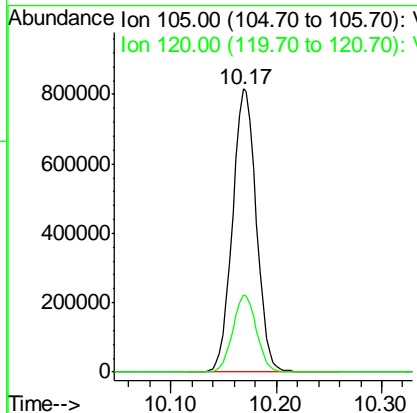
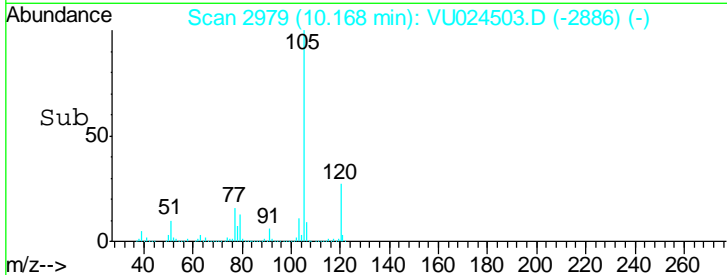
#73
 Isopropylbenzene
 Concen: 98.404 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

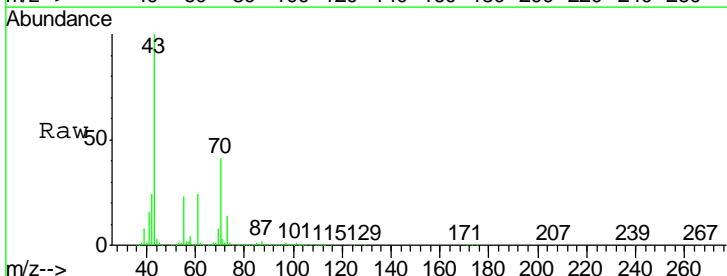


Tgt Ion: 105 Resp: 1268995
 Ion Ratio Lower Upper
 105 100
 120 27.2 13.2 39.6

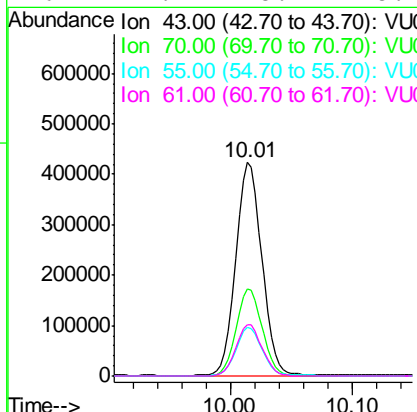
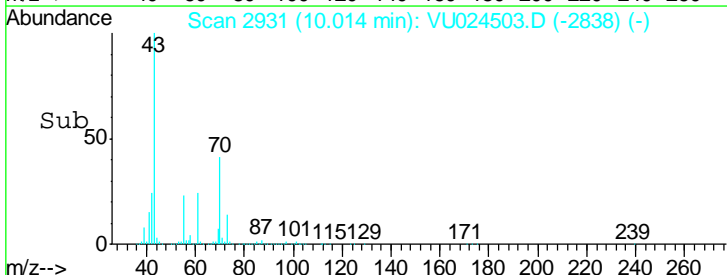
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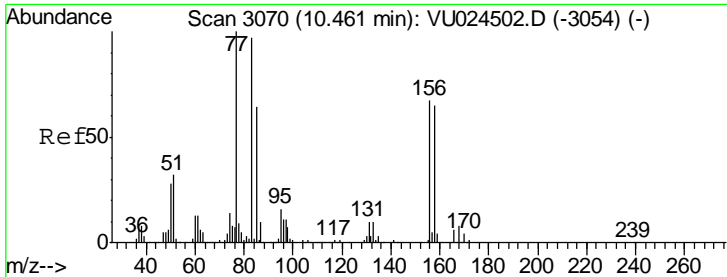


#74
 N-nyl acetate
 Concen: 107.377 ug/l
 RT: 10.01 min Scan# 2931
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05



Tgt Ion: 43 Resp: 626772
 Ion Ratio Lower Upper
 43 100
 70 40.7 32.2 48.4
 55 22.2 20.5 30.7
 61 24.2 18.7 28.1





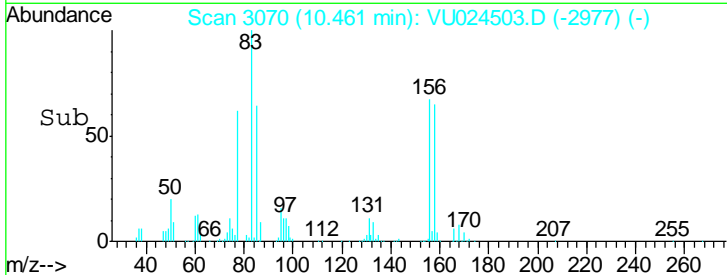
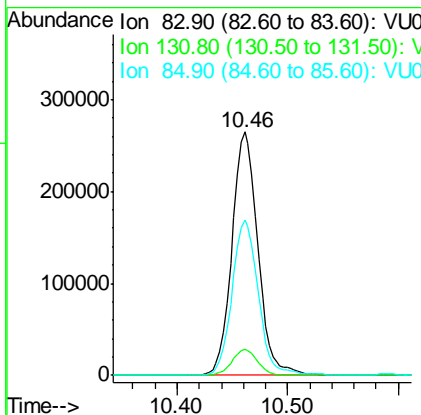
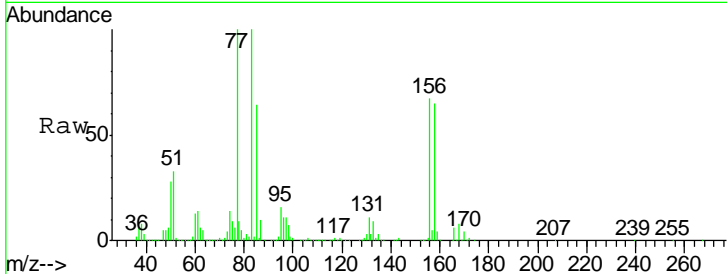
#75
 1,1,2,2-Tetrachloroethane
 Concen: 76.682 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.6	4.7	14.1
85	64.8	32.5	97.5

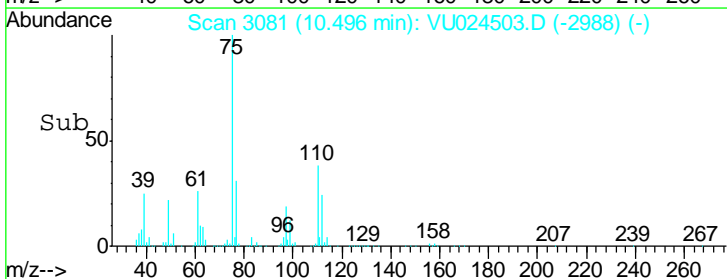
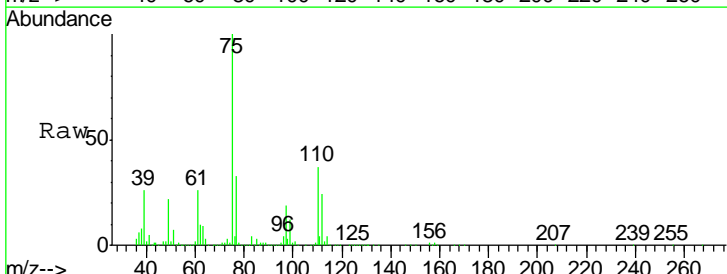
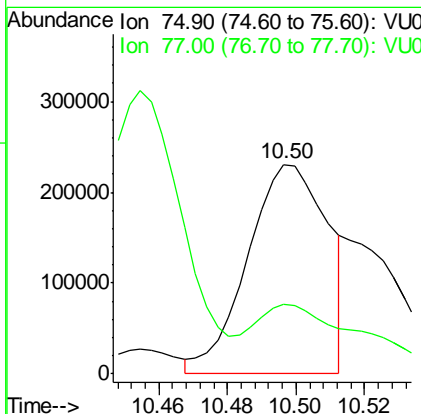
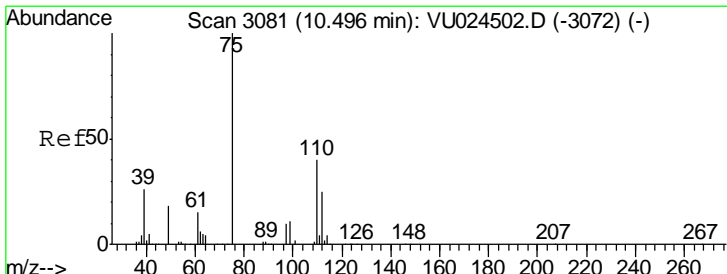
Manual Integrations
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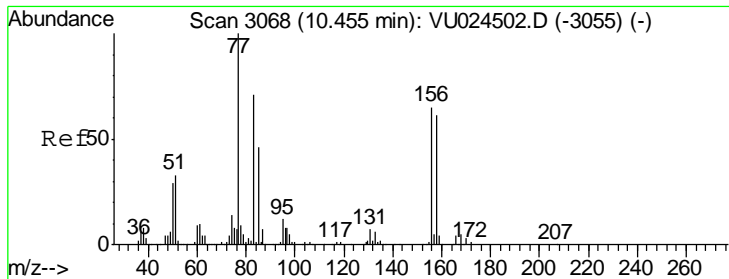
MMDadoda
 6/14/2018 9:44:37 AM



#76
 1,2,3-Trichloropropane
 Concen: 95.743 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
75	100		
77	44.4	20.9	62.7





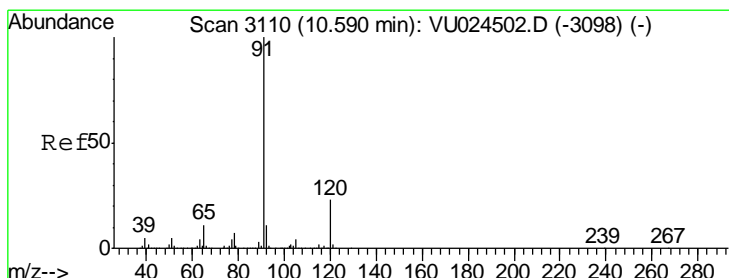
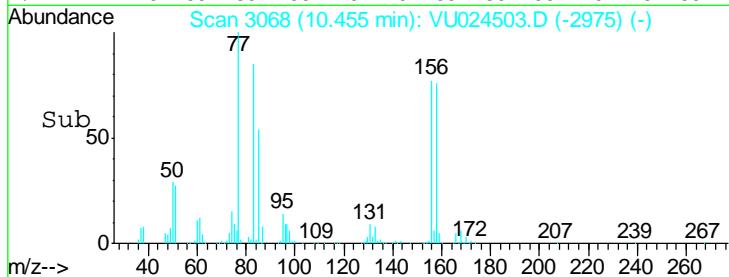
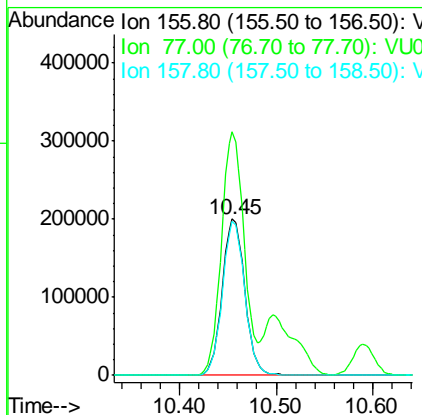
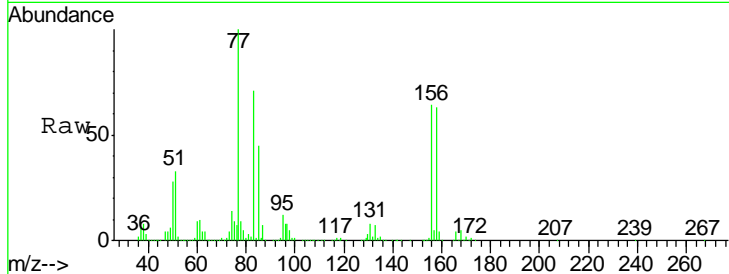
#77
 Bromobenzene
 Concen: 91.176 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
156	325578		
77	155.6	80.5	241.3
158	97.4	48.2	144.6

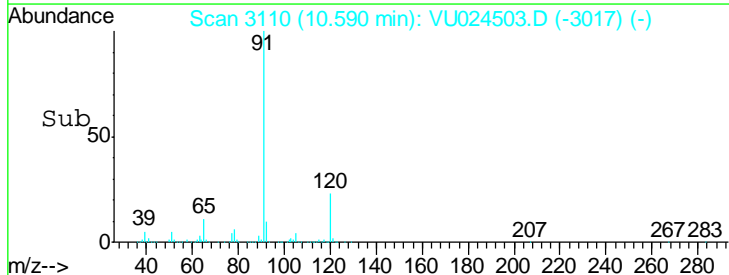
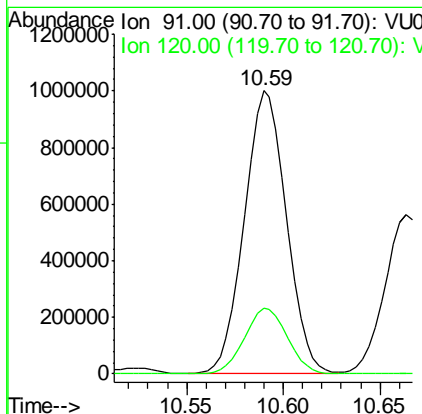
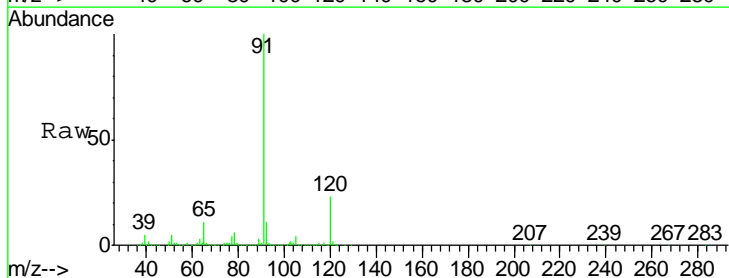
Manual Integrations
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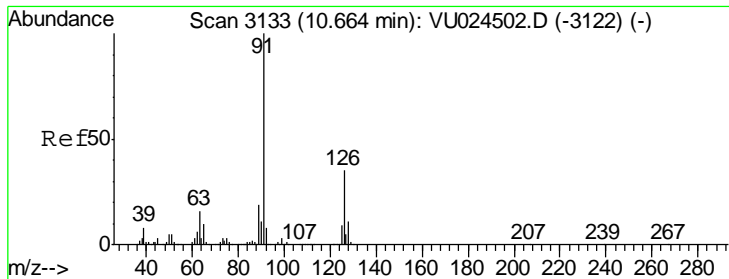
MMDadoda
 6/14/2018 9:44:37 AM



#78
 n-propylbenzene
 Concen: 94.554 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
91	1511726		
120	23.7	11.2	33.5





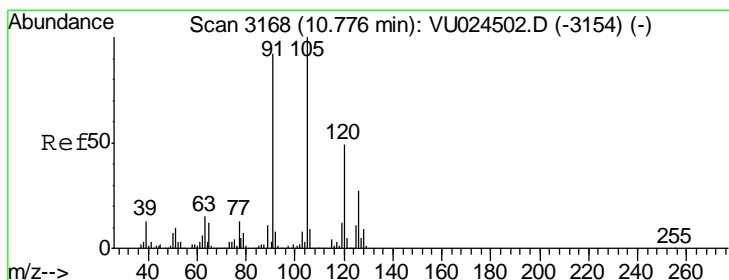
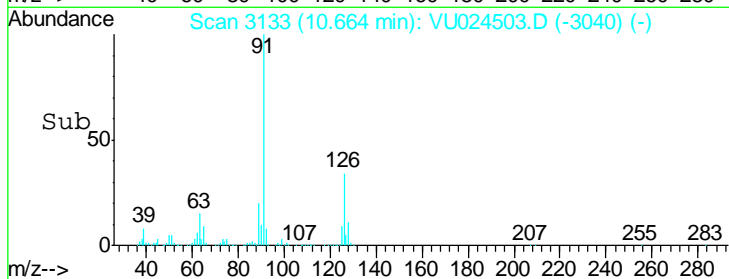
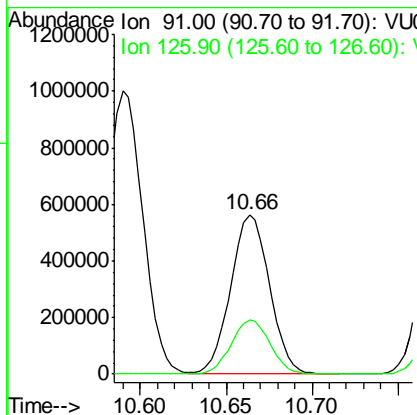
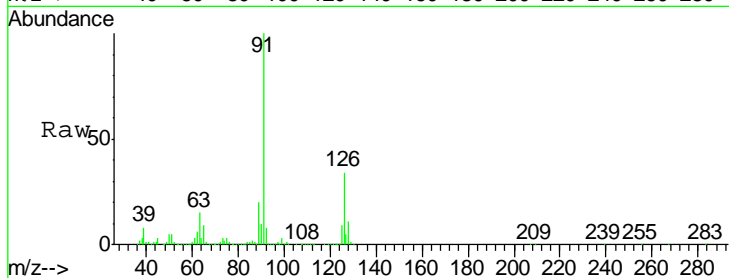
#79
 2-Chlorotoluene
 Concen: 90.950 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.6	16.9	50.7

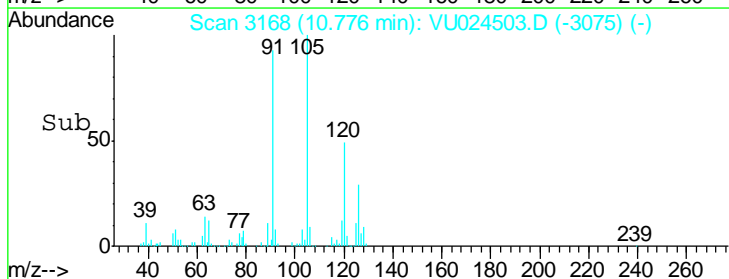
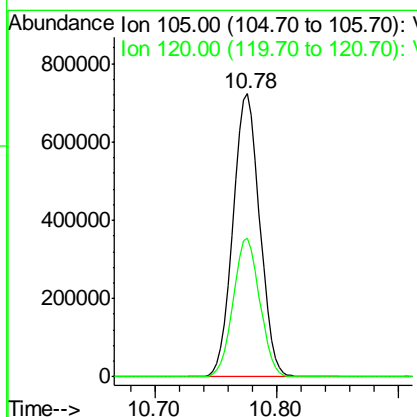
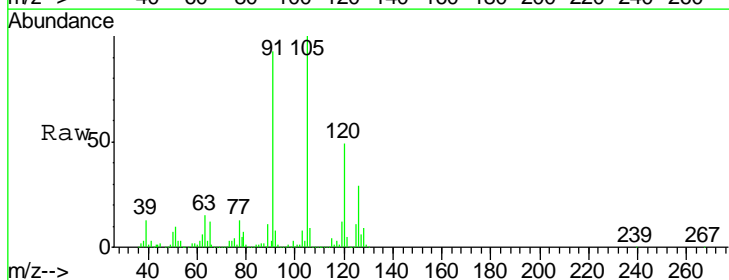
Manual Integrations
 APPROVED

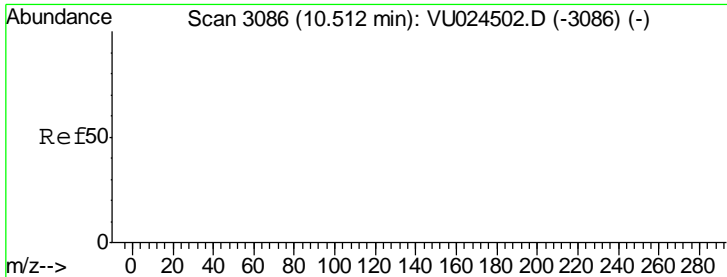
MMDadoda
 6/14/2018 9:44:37 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 100.398 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Resp	Lower	Upper
105	100		
120	48.8	24.1	72.2





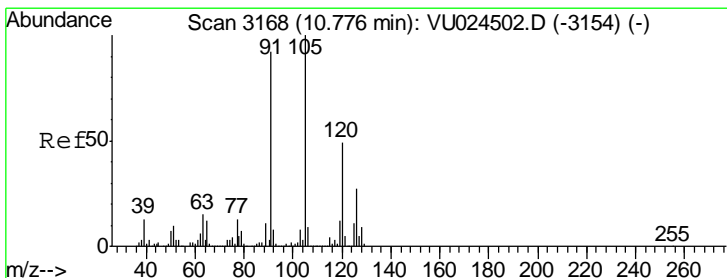
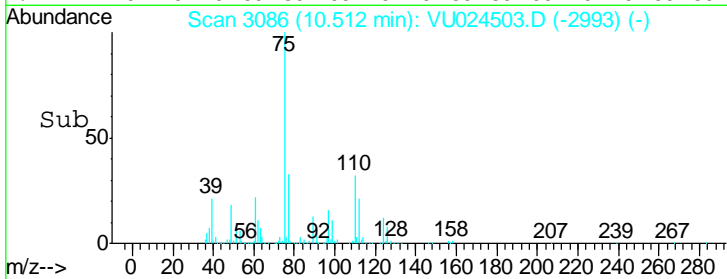
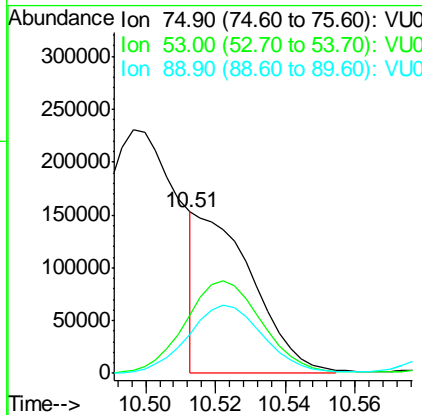
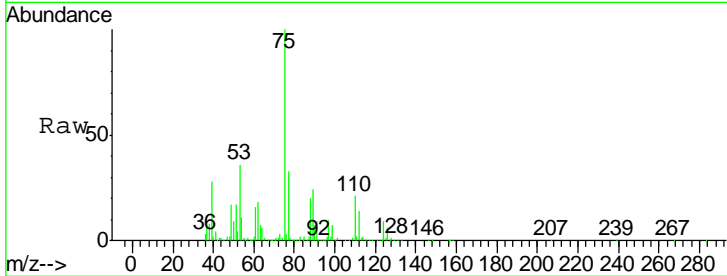
#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.863 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

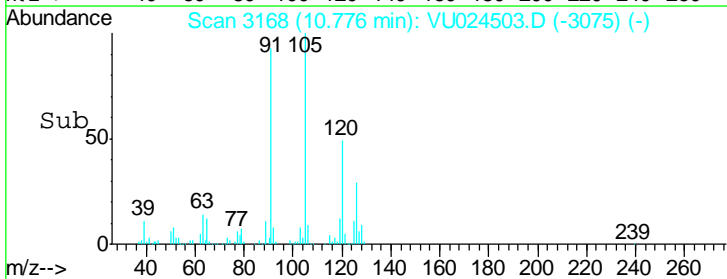
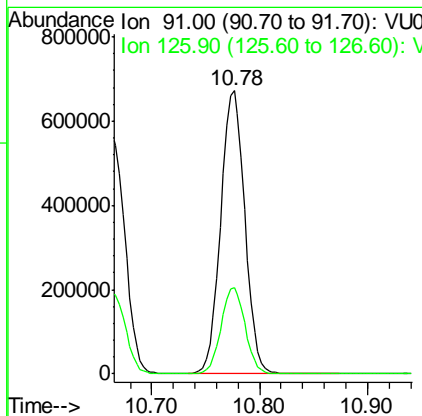
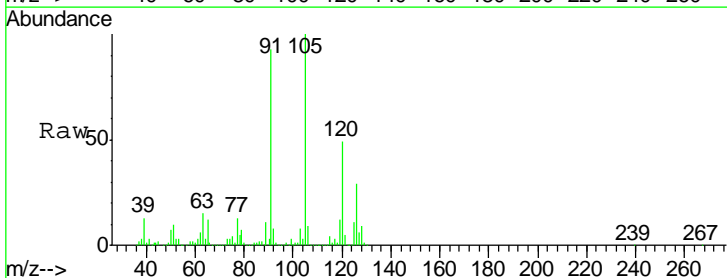
Manual Integrations
 APPROVED

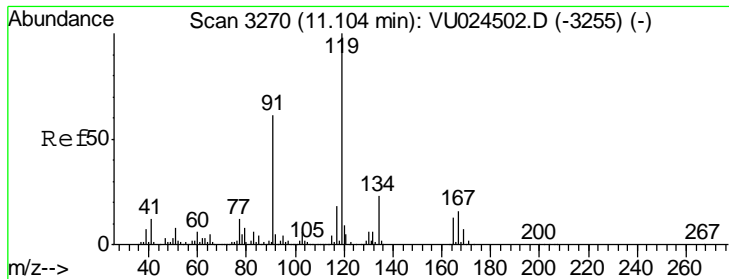
MMDadoda
 6/14/2018 9:44:37 AM



#82
 4-Chlorotoluene
 Concen: 92.598 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	14.9	44.9





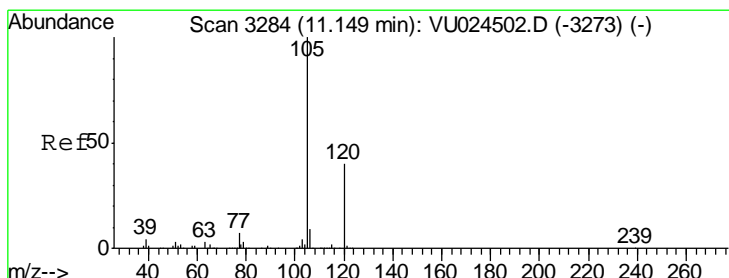
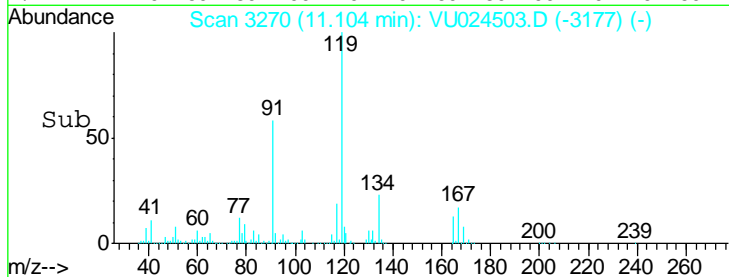
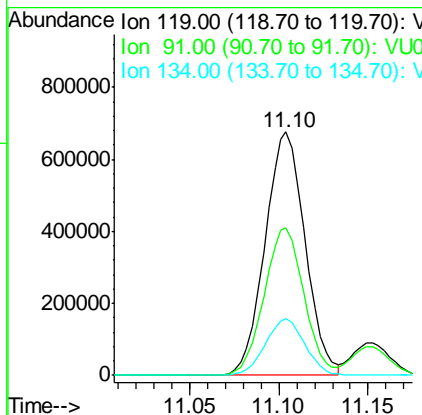
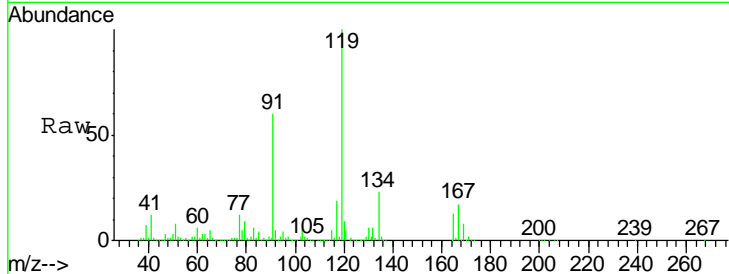
#83
 tert-Butylbenzene
 Concen: 99.861 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
119	1063086		
91	60.3	29.7	89.1
134	22.9	11.6	34.7

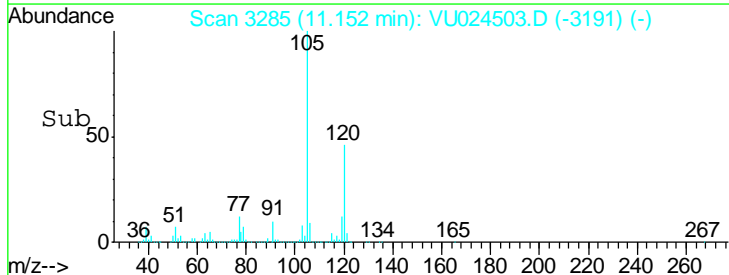
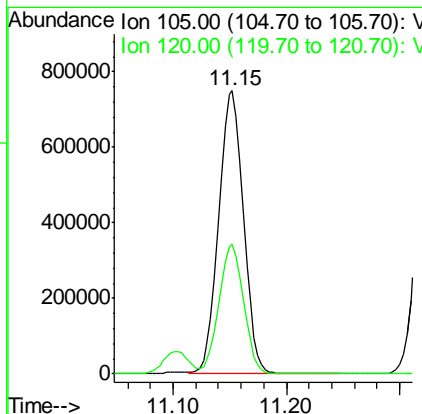
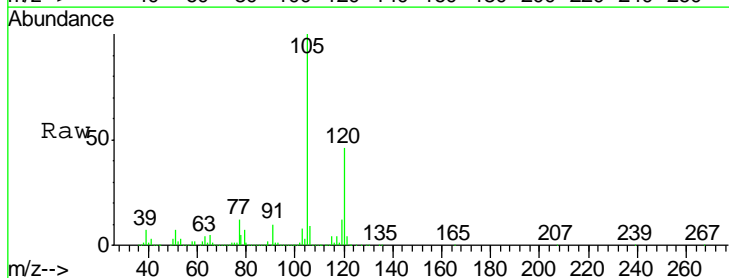
Manual Integrations
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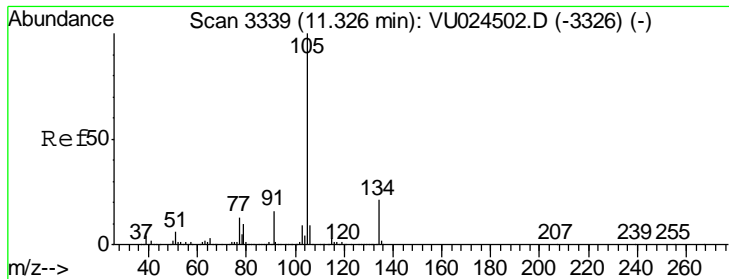
MMDadoda
 6/14/2018 9:44:37 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 103.137 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

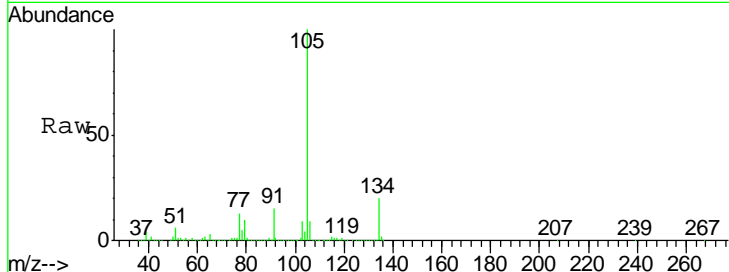
Tgt Ion	Resp	Lower	Upper
105	1139797		
120	45.6	22.6	67.8





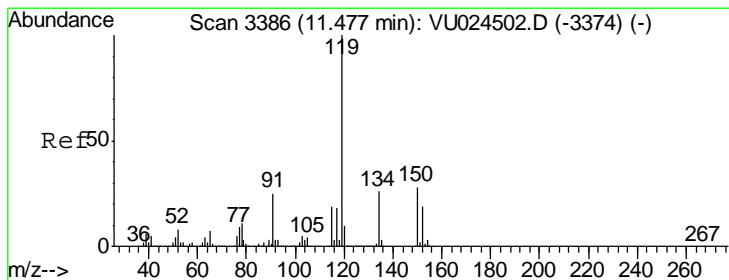
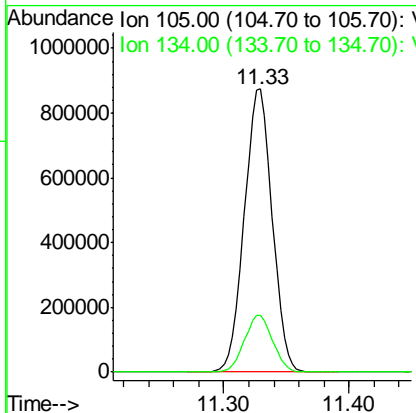
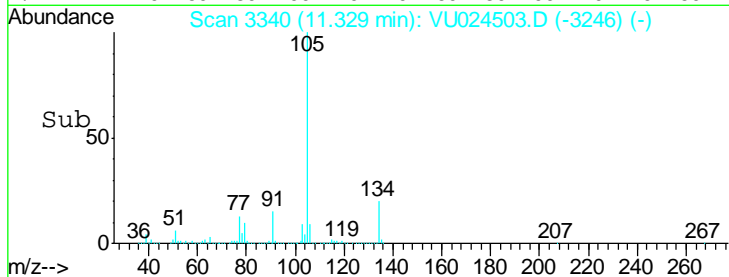
#85
 sec-Butylbenzene
 Concen: 101.053 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 ClientSampled : VSTDIC100

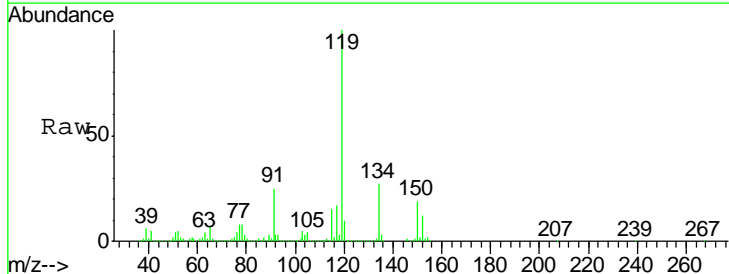


Tgt Ion:105 Resp: 1350654
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.7 29.1

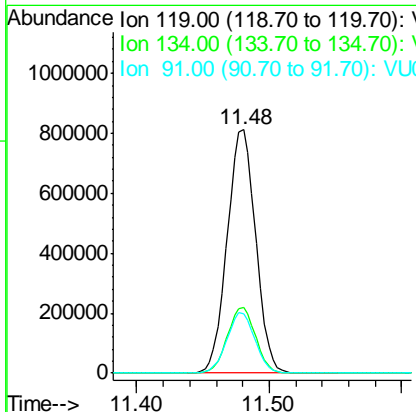
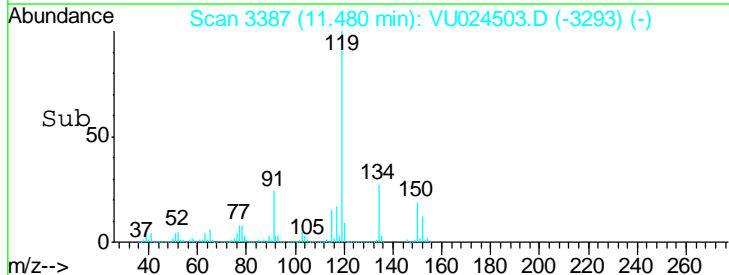
Manual Integrations APPROVED
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 6/14/2018 9:44:37 AM

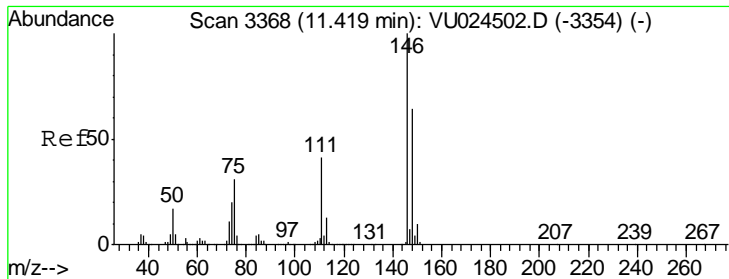


#86
 p-Isopropyltoluene
 Concen: 102.422 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05



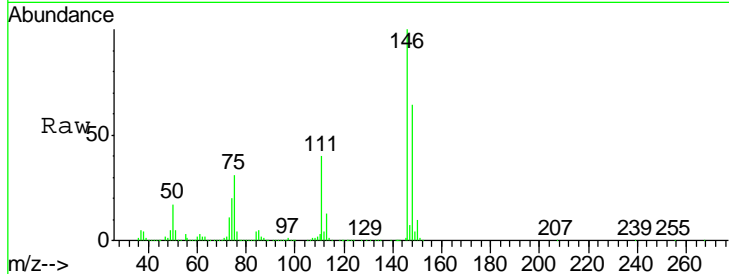
Tgt Ion:119 Resp: 1209844
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.9 38.6
 91 24.5 12.0 36.1





#87
 1,3-Dichlorobenzene
 Concen: 90.511 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

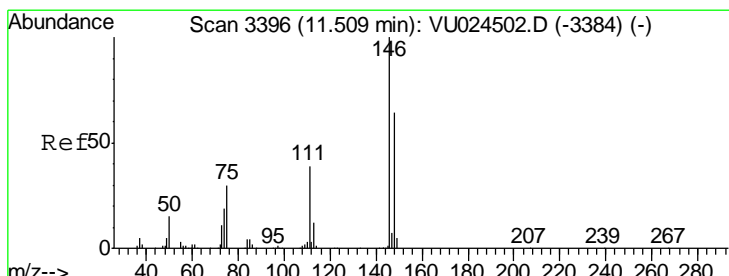
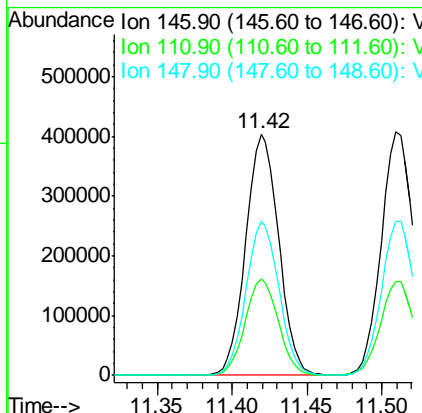
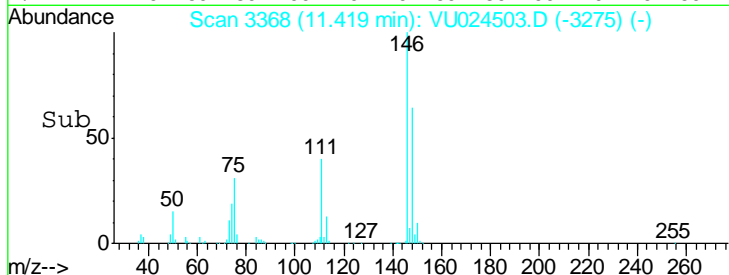


Tgt Ion:146 Resp: 621206

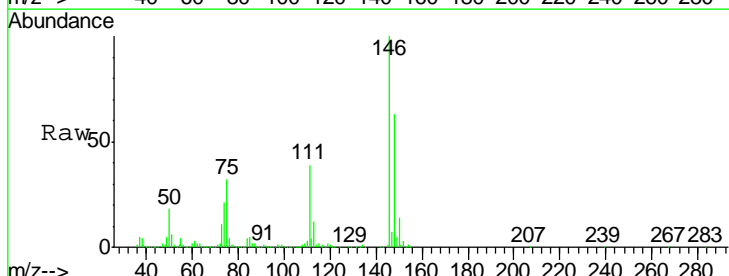
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.8	32.1	96.5

Manual Integrations
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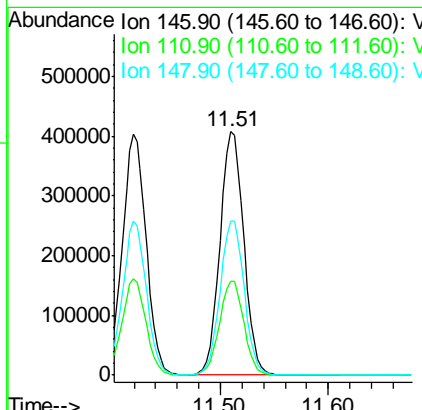
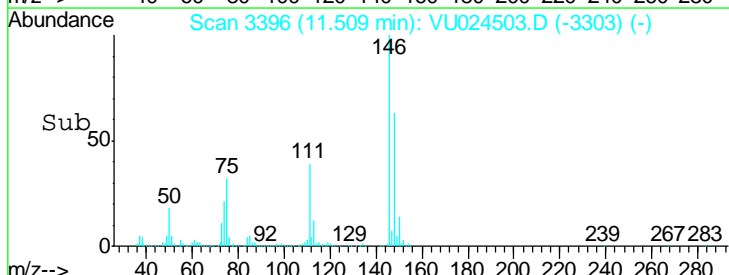


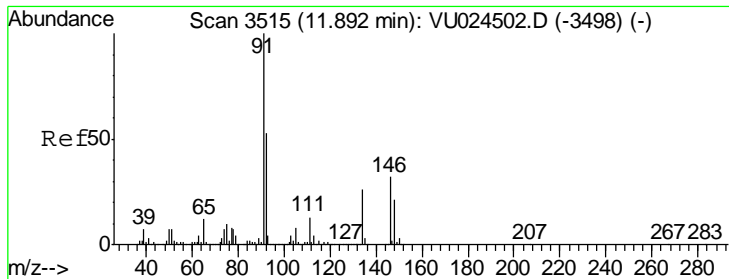
#88
 1,4-Dichlorobenzene
 Concen: 86.965 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05



Tgt Ion:146 Resp: 624804

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	64.0	32.4	97.0





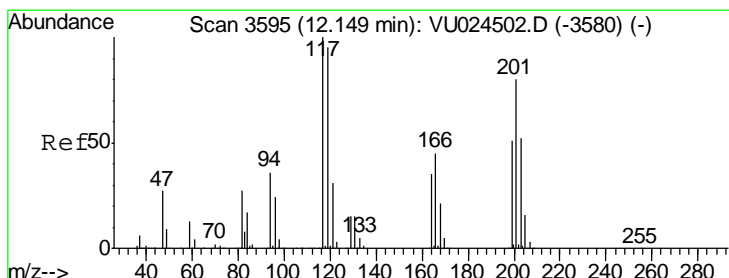
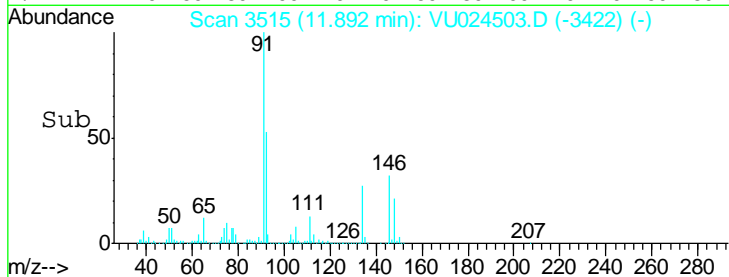
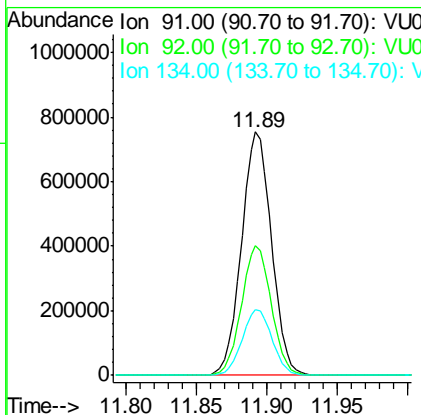
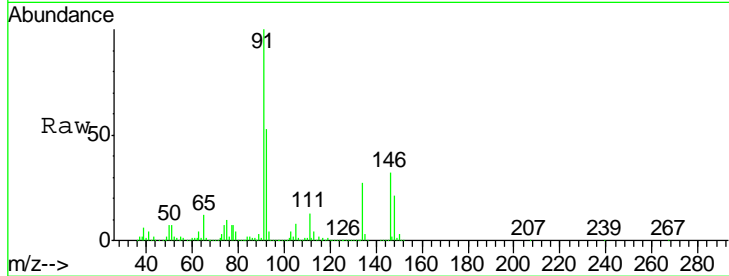
#89
 n-Butylbenzene
 Concen: 96.387 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
92	53.0	25.6	76.8
134	27.1	12.3	36.8

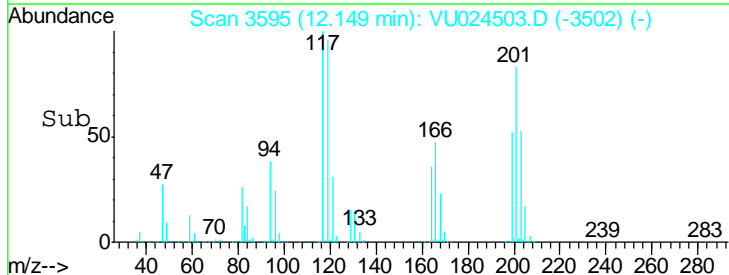
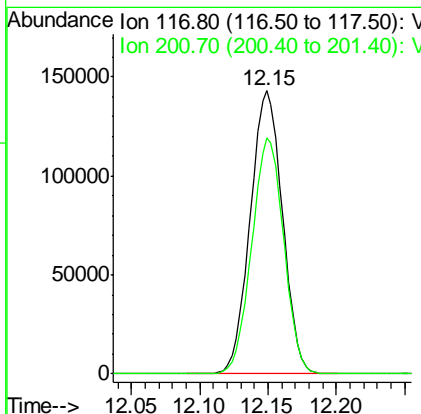
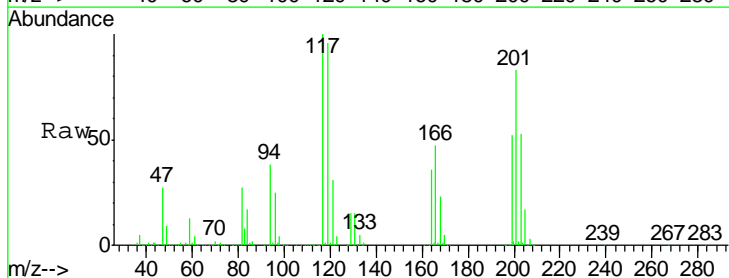
Manual Integrations
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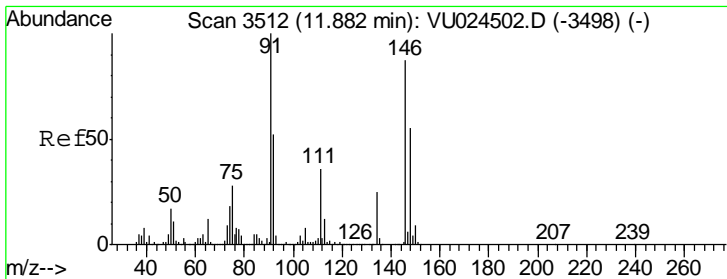
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#90
 Hexachloroethane
 Concen: 110.861 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

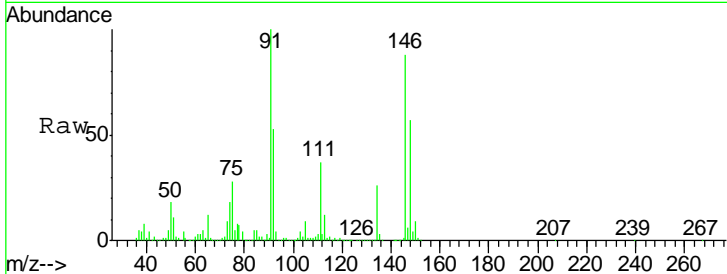
Tgt Ion	Resp	Lower	Upper
117	100		
201	82.6	41.1	123.3





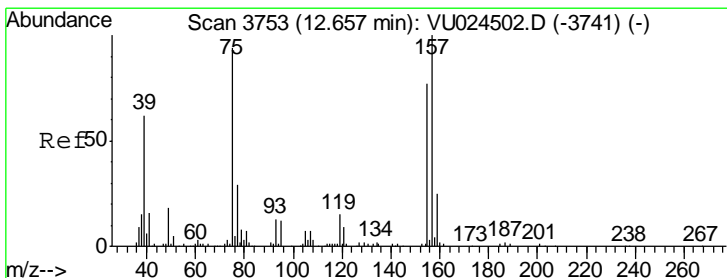
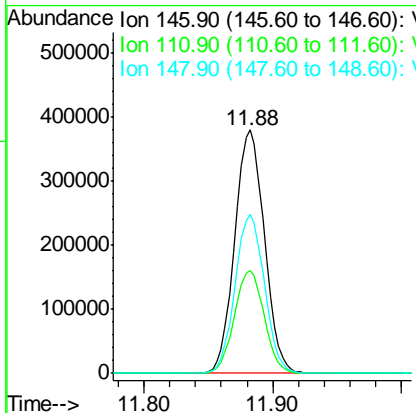
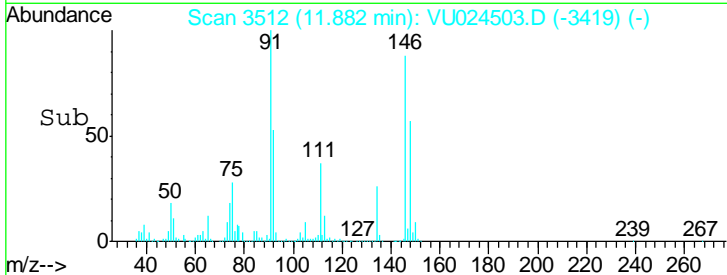
#91
 1,2-Dichlorobenzene
 Concen: 88.786 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

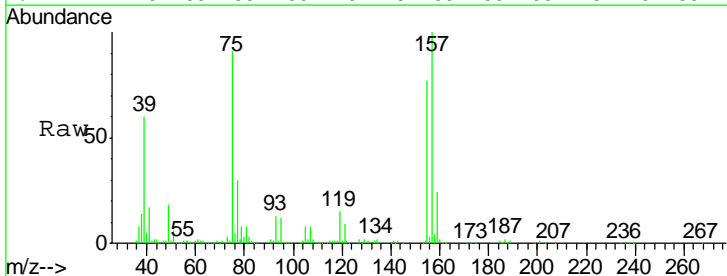


Tgt Ion	Resp	Lower	Upper
146	609339		
146	100		
111	42.2	20.5	61.6
148	64.6	31.9	95.7

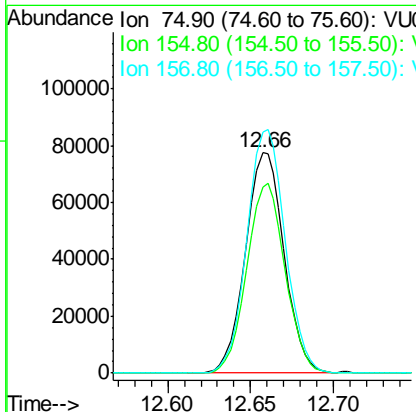
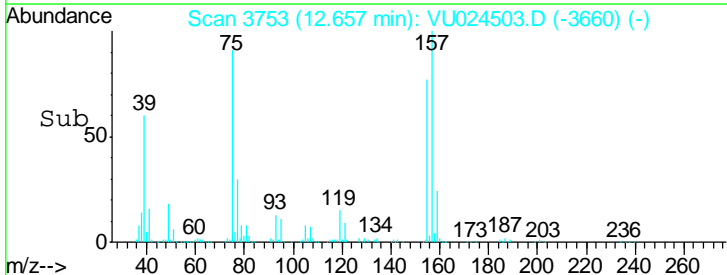
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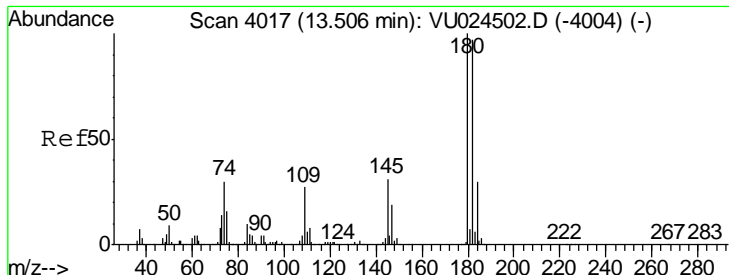


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 109.941 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05



Tgt Ion	Resp	Lower	Upper
75	125520		
75	100		
155	85.3	40.4	121.2
157	109.7	52.3	156.8





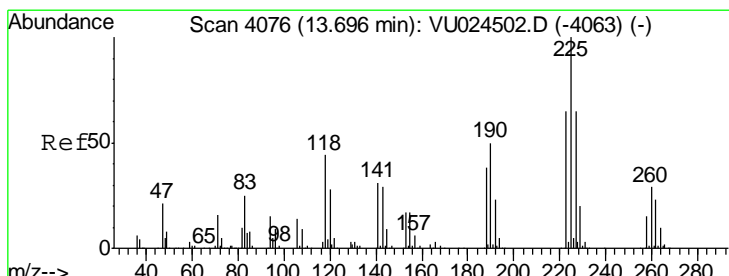
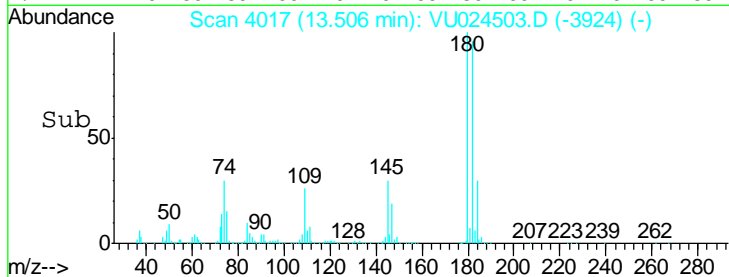
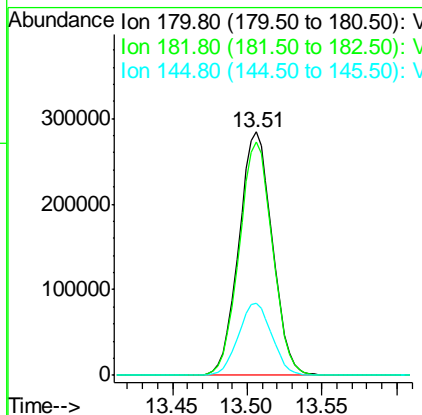
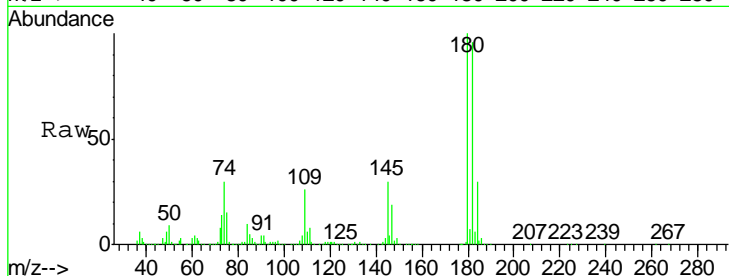
#93
 1,2,4-Trichlorobenzene
 Concen: 108.928 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

Instrument : MSVOA_U
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.7	48.0	144.2
145	29.9	14.7	44.1

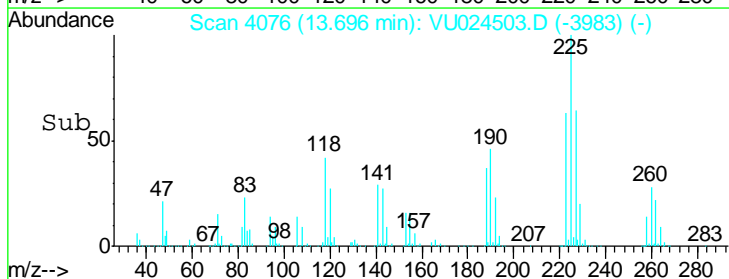
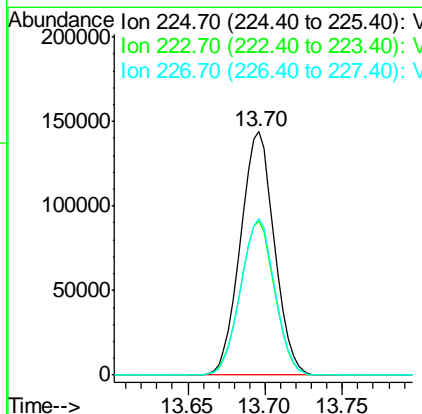
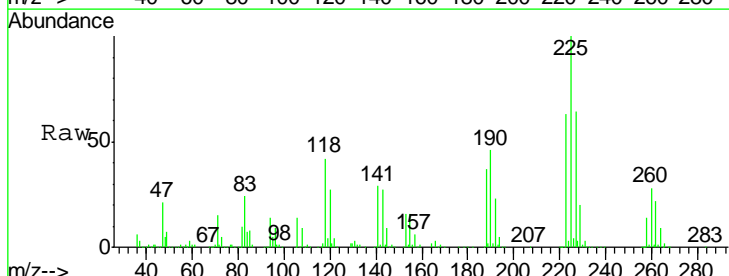
Manual Integrations
 APPROVED

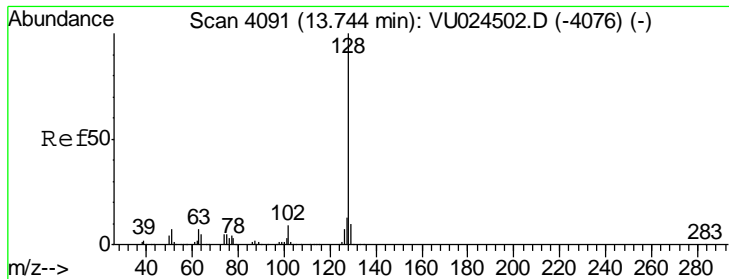
MMDadoda
 6/14/2018 9:44:37 AM



#94
 Hexachlorobutadiene
 Concen: 91.217 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

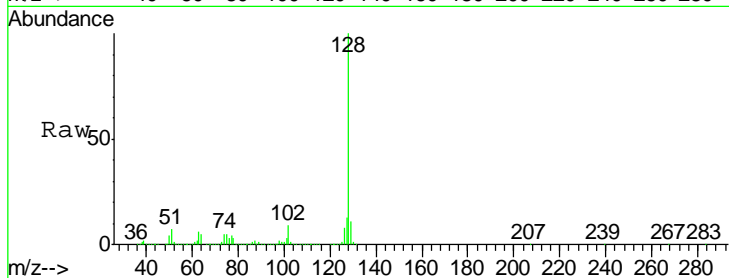
Tgt Ion	Resp	Lower	Upper
225	100		
223	64.1	31.3	93.8
227	64.8	31.8	95.4





#95
 Naphthalene
 Concen: 122.987 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05

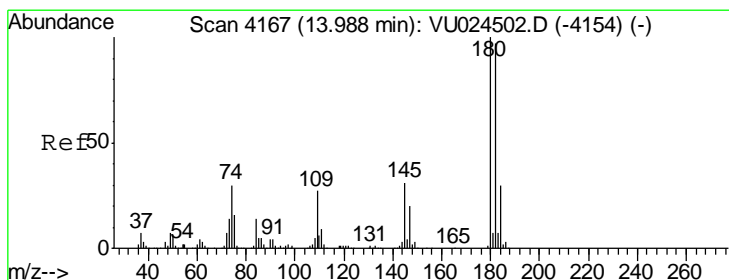
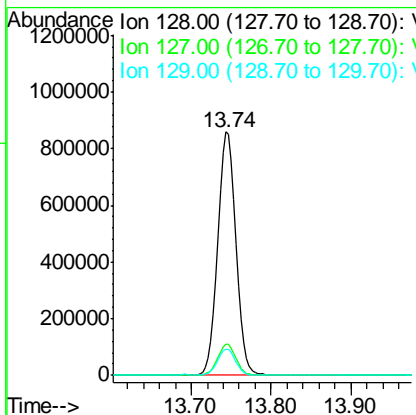
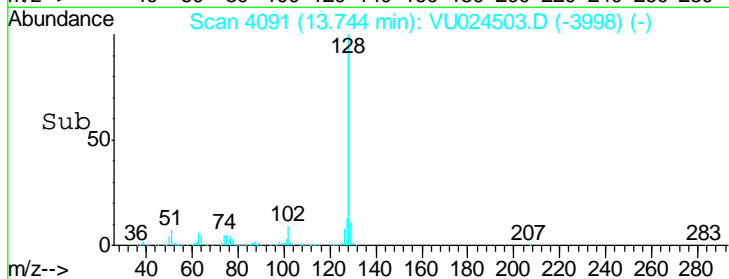
Instrument : MSVOA_U
 Client Sampled : VSTDIC100



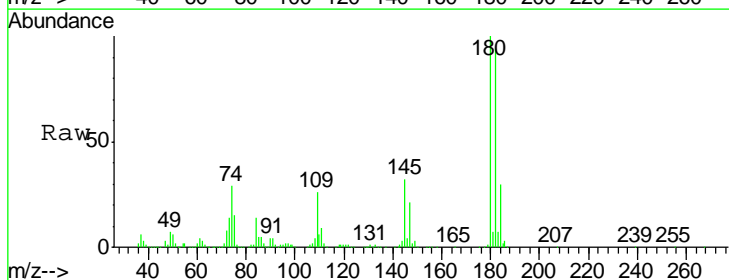
Tgt Ion: 128 Resp: 1363320

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations
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 6/14/2018 9:44:37 AM

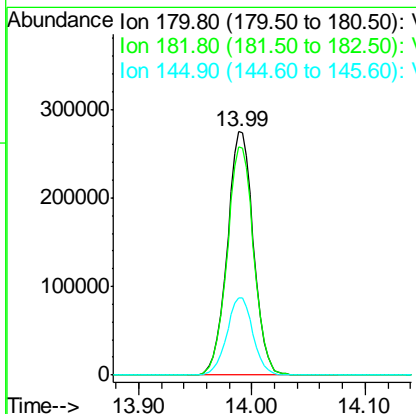
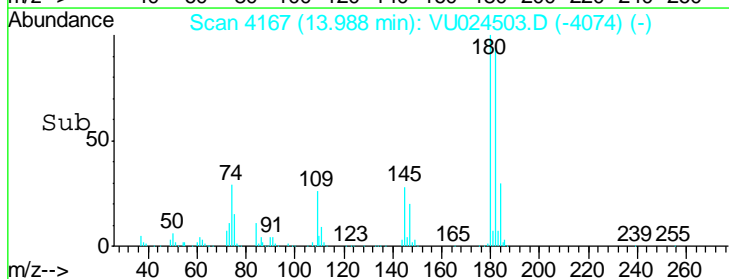


#96
 1,2,3-Trichlorobenzene
 Concen: 107.529 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU024503.D
 Acq: 13 Jun 2018 13:05



Tgt Ion: 180 Resp: 440487

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	31.8	15.4	46.1



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024504.D
 Acq On : 13 Jun 2018 13:28
 Operator : MD/SY
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:43 AM

Quant Time: Jun 13 13:49:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:15:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	192535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304625	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	301137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	193059	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	445713	116.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	233.84%	
35) Dibromofluoromethane	4.89	113	362857	115.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	231.96%	
50) Toluene-d8	7.57	98	1342614	114.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.66%	
62) 4-Bromofluorobenzene	10.31	95	574678	134.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	269.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	342569	117.384	ug/l	99
3) Chloromethane	1.33	50	351149	103.262	ug/l	99
4) Vinyl Chloride	1.40	62	363963	96.143	ug/l	99
5) Bromomethane	1.61	94	163560	78.622	ug/l	99
6) Chloroethane	1.68	64	209993	82.002	ug/l	98
7) Trichlorofluoromethane	1.88	101	537052	104.470	ug/l	98
8) Diethyl Ether	2.10	74	191940	93.394	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.28	101	325883	113.885	ug/l	98
10) Methyl Iodide	2.41	142	330991	182.431	ug/l	99
11) Tert butyl alcohol	2.84	59	545290	752.968	ug/l	99
12) 1,1-Dichloroethene	2.28	96	306995	114.520	ug/l	95
13) Acrolein	2.19	56	292902	388.546	ug/l	99
14) Allyl chloride	2.59	41	621655	136.685	ug/l	90
15) Acrylonitrile	2.94	53	1097925	567.630	ug/l	99
16) Acetone	2.32	43	1208120	496.403	ug/l	99
17) Carbon Disulfide	2.47	76	1011413	122.634	ug/l	99
18) Methyl Acetate	2.62	43	513986	106.271	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	1173711	139.327	ug/l	97
20) Methylene Chloride	2.70	84	363048	108.560	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	342667	119.132	ug/l	97
22) Diisopropyl ether	3.57	45	1146437	125.100	ug/l	98
23) Vinyl Acetate	3.53	43	5193302	771.072	ug/l	99
24) 1,1-Dichloroethane	3.45	63	659738	114.984	ug/l	99
25) 2-Butanone	4.27	43	1695005	582.427	ug/l	98
26) 2,2-Dichloropropane	4.23	77	616139	140.850	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	394624	126.258	ug/l	100
28) Bromochloromethane	4.55	49	283590	134.967	ug/l	88
29) Tetrahydrofuran	4.64	42	986575	594.049	ug/l	97
30) Chloroform	4.68	83	664194	114.251	ug/l	99
31) Cyclohexane	5.00	56	598392	105.166	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	612410	130.977	ug/l	96
36) 1,1-Dichloropropene	5.14	75	509556	117.212	ug/l	98
37) Ethyl Acetate	4.38	43	591108	121.274	ug/l	96
38) Carbon Tetrachloride	5.14	117	560317	135.355	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024504.D
 Acq On : 13 Jun 2018 13:28
 Operator : MD/SY
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:43 AM

Quant Time: Jun 13 13:49:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:15:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	627796	133.660	ug/l	96
40) Benzene	5.39	78	1441696	110.027	ug/l	100
41) Methacrylonitrile	4.54	41	324420	118.763	ug/l	99
42) 1,2-Dichloroethane	5.41	62	553343	110.266	ug/l	100
43) Isopropyl Acetate	5.55	43	979224	131.912	ug/l	98
44) Trichloroethene	6.19	130	411617	120.563	ug/l	97
45) 1,2-Dichloropropane	6.44	63	391798	111.257	ug/l	99
46) Dibromomethane	6.56	93	279326	119.812	ug/l	97
47) Bromodichloromethane	6.76	83	552942	122.588	ug/l	98
48) Methyl methacrylate	6.63	41	487206	133.877	ug/l	98
49) 1,4-Dioxane	6.62	88	200874	2616.375	ug/l	98
51) 4-Methyl-2-Pentanone	7.47	43	3176483	593.104	ug/l	98
52) Toluene	7.64	92	943470	121.327	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	662358	141.207	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	667282	130.377	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	385751	115.631	ug/l	98
56) Ethyl methacrylate	8.02	69	673809	154.973	ug/l	99
57) 1,3-Dichloropropane	8.25	76	652798	113.946	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	1328598	594.135	ug/l	96
59) 2-Hexanone	8.37	43	2650445	618.561	ug/l	99
60) Dibromochloromethane	8.48	129	486109	143.608	ug/l	100
61) 1,2-Dibromoethane	8.59	107	433928	124.362	ug/l	99
64) Tetrachloroethene	8.23	164	385106	128.643	ug/l	99
65) Chlorobenzene	9.12	112	1099160	125.425	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	417723	138.871	ug/l	98
67) Ethyl Benzene	9.25	91	1882404	133.221	ug/l	97
68) m/p-Xylenes	9.38	106	1473528	273.761	ug/l	96
69) o-Xylene	9.78	106	728219	146.779	ug/l	94
70) Styrene	9.80	104	1247481	147.674	ug/l	99
71) Bromoform	9.96	173	430500	165.815	ug/l #	99
73) Isopropylbenzene	10.17	105	1970017	148.015	ug/l	99
74) N-amyl acetate	10.02	43	994659	165.104	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	684914	118.645	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	620897m	153.334	ug/l	
77) Bromobenzene	10.46	156	517586	140.440	ug/l	98
78) n-propylbenzene	10.59	91	2359120	142.968	ug/l	97
79) 2-Chlorotoluene	10.66	91	1383608	138.141	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	1717267	152.143	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	295021m	154.562	ug/l	
82) 4-Chlorotoluene	10.78	91	1644711	141.541	ug/l	99
83) tert-Butylbenzene	11.10	119	1676629	152.597	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	1798637	157.693	ug/l	100
85) sec-Butylbenzene	11.33	105	2129487	154.369	ug/l	98
86) p-Isopropyltoluene	11.48	119	1914925	157.072	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	992516	140.115	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	995594	134.266	ug/l	100
89) n-Butylbenzene	11.89	91	1783561	148.680	ug/l	97
90) Hexachloroethane	12.15	117	376813	172.409	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	964467	136.161	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	199898	169.644	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024504.D
 Acq On : 13 Jun 2018 13:28
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:43 AM

Quant Time: Jun 13 13:49:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:15:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	710428	169.795	ug/l	99
94) Hexachlorobutadiene	13.70	225	350175	140.898	ug/l	100
95) Naphthalene	13.74	128	2157965	188.620	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	694142	164.181	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

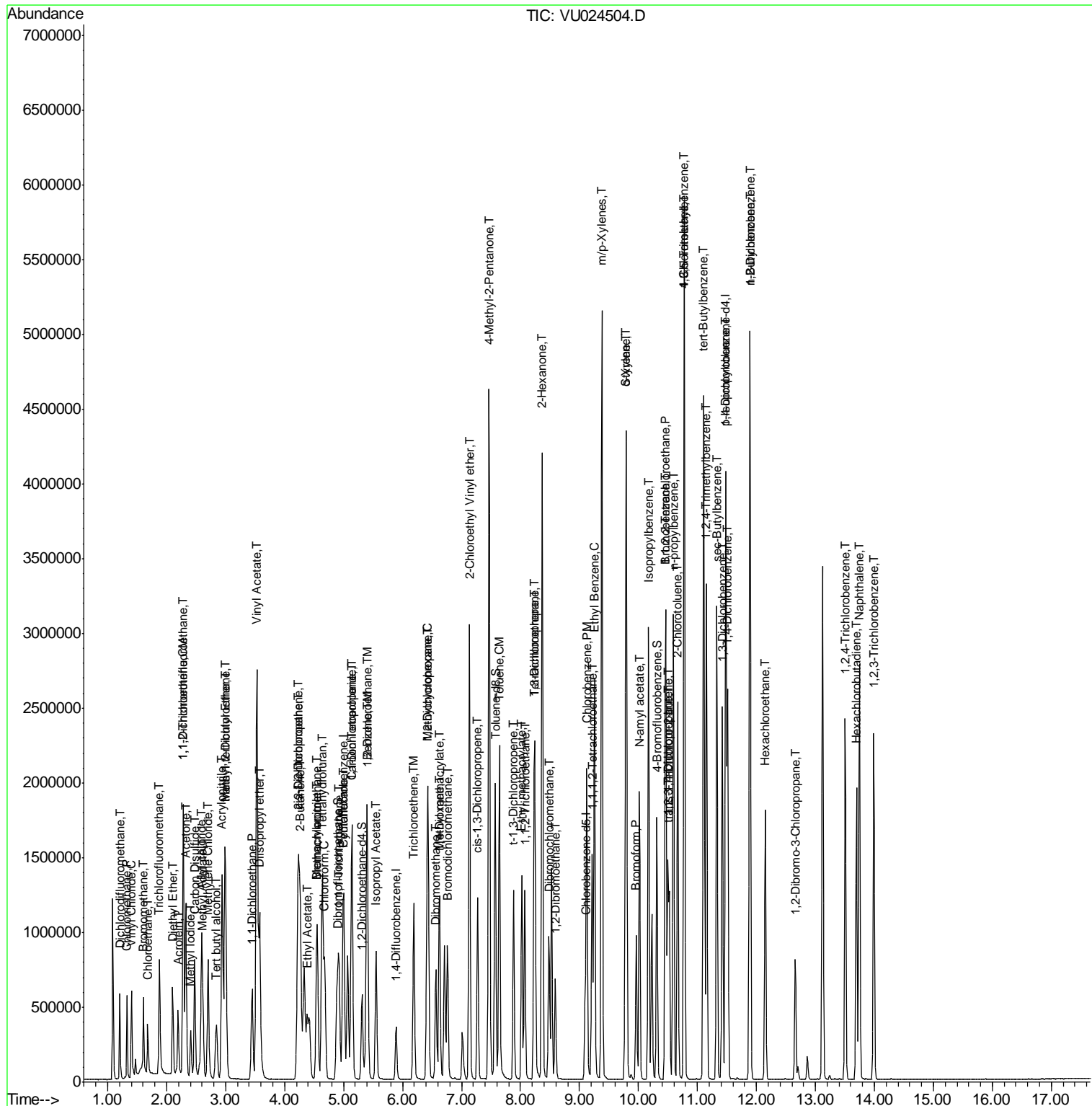
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Data File : VU024504.D
Acq On : 13 Jun 2018 13:28
Operator : MD/SY
Sample : VSTDIC150
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
Client Sampled :
VSTDIC150

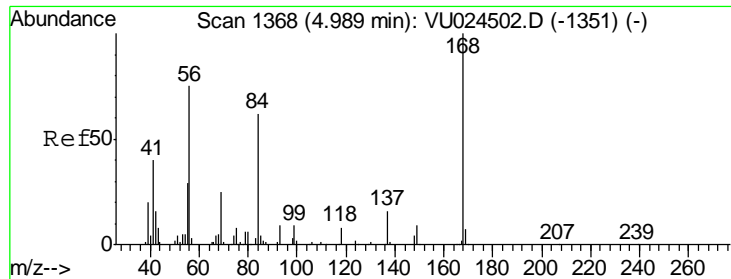
Manual Integrations
APPROVED

MMDadoda
6/14/2018 9:44:43 AM

Quant Time: Jun 13 13:49:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:15:08 2018
Response via : Initial Calibration



- 1
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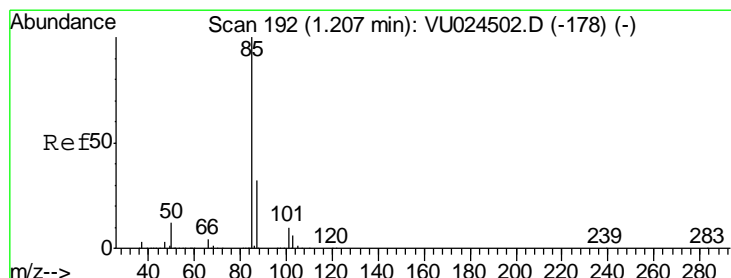
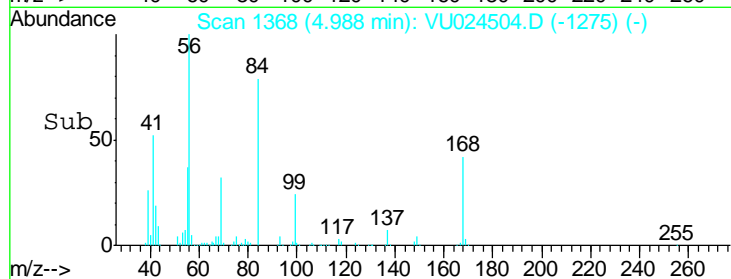
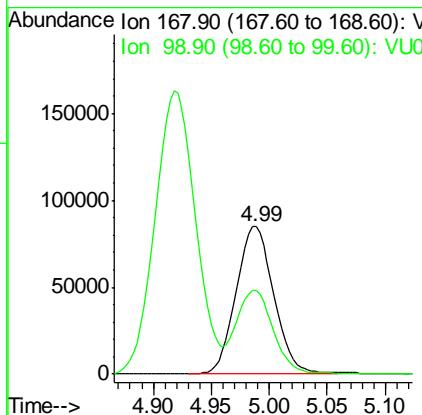
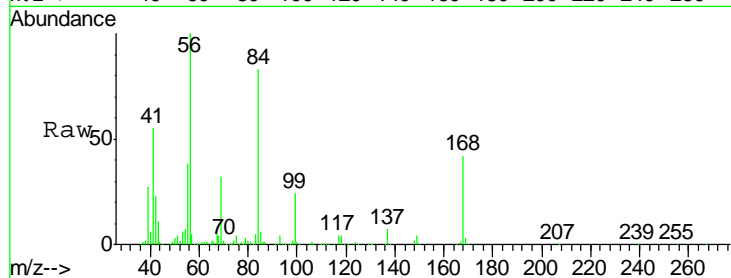
#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
168	192535		
99	55.8	43.2	64.8

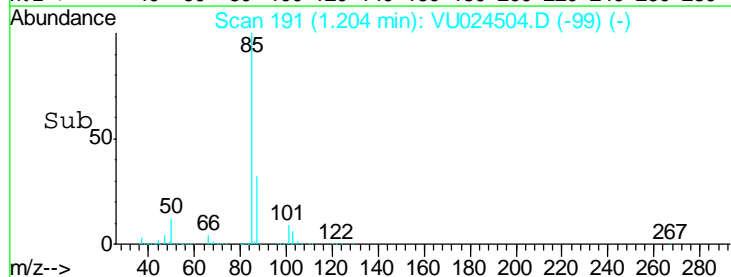
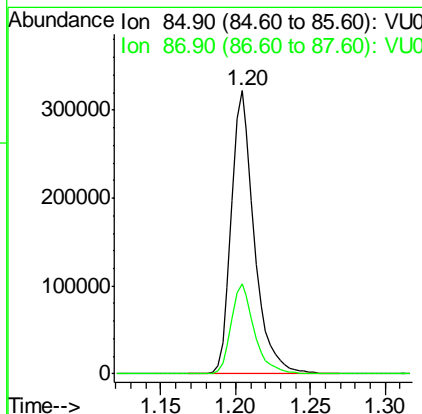
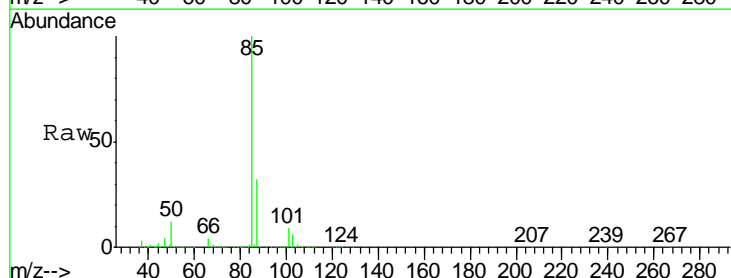
Manual Integrations
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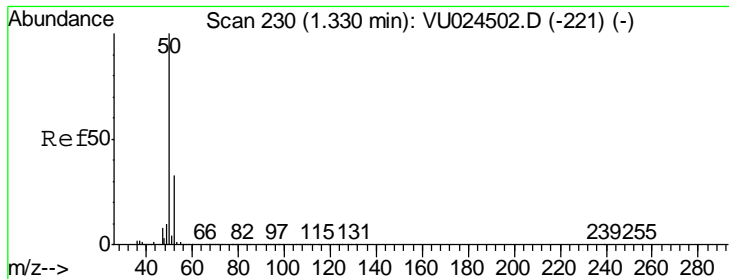
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 6/14/2018 9:44:43 AM



#2
 Dichlorodifluoromethane
 Concen: 117.384 ug/l
 RT: 1.20 min Scan# 191
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
85	342569		
87	31.8	16.1	48.2





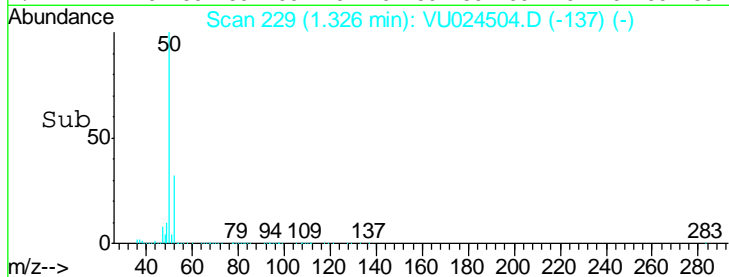
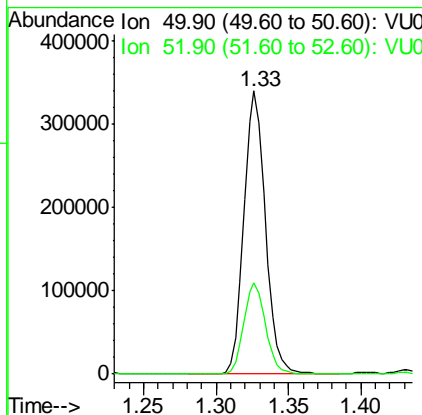
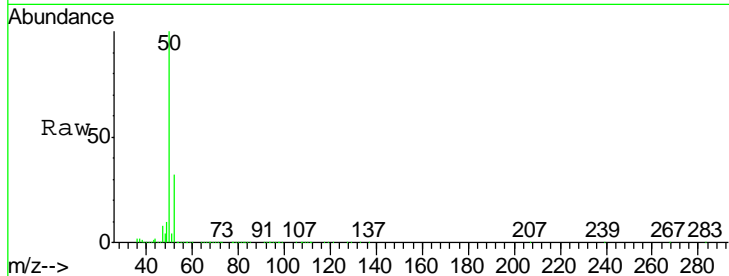
#3
 Chloromethane
 Concen: 103.262 ug/l
 RT: 1.33 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
50	351149		
52	32.3	26.4	39.6

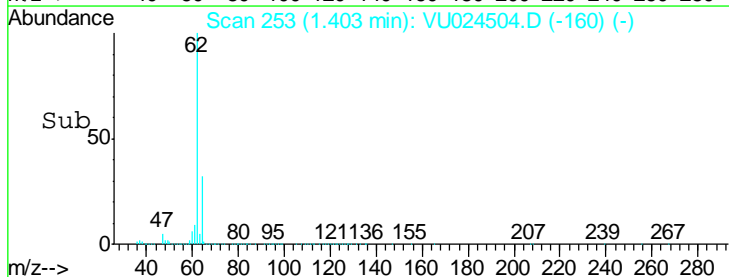
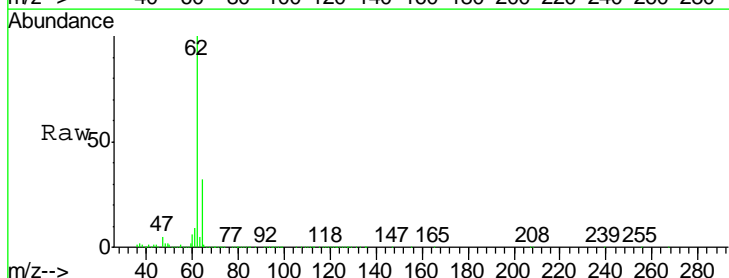
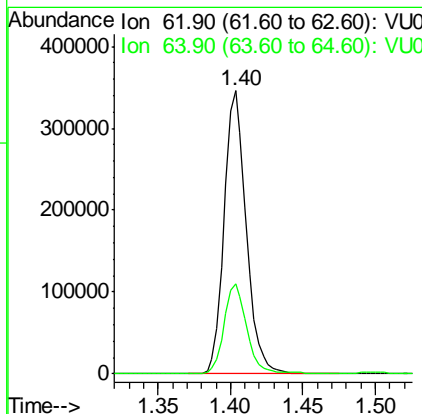
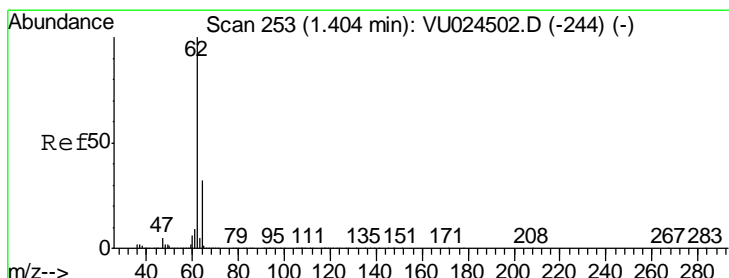
Manual Integrations
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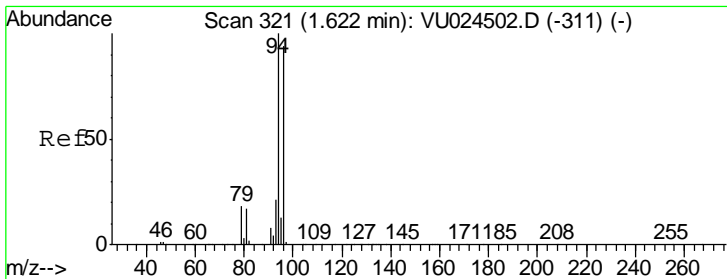
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 6/14/2018 9:44:43 AM



#4
 Vinyl Chloride
 Concen: 96.143 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
62	363963		
64	31.7	24.8	37.2





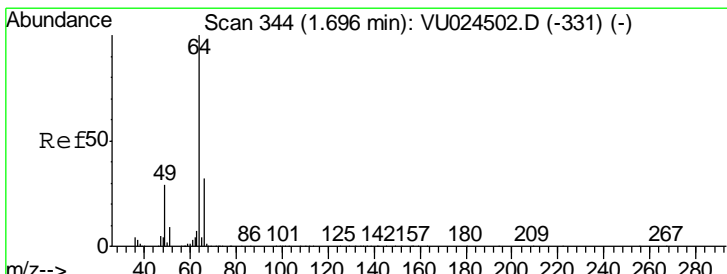
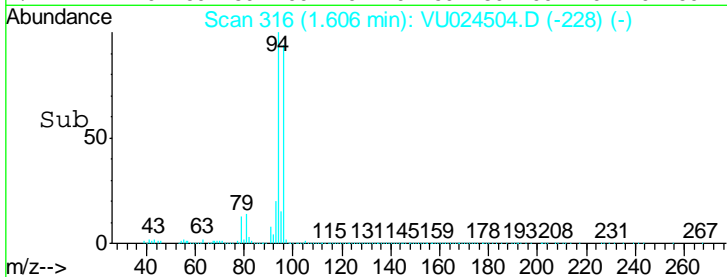
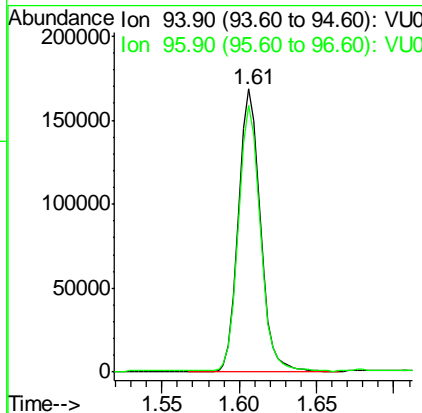
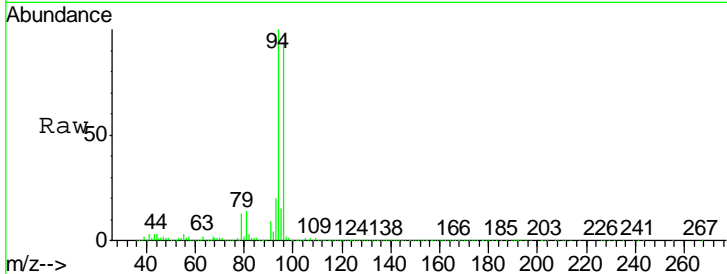
#5
 Bromomethane
 Concen: 78.622 ug/l
 RT: 1.61 min Scan# 316
 Delta R.T. -0.02 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICC150

Tgt Ion	Resp	Lower	Upper
94	163560		
96	94.0	74.5	111.7

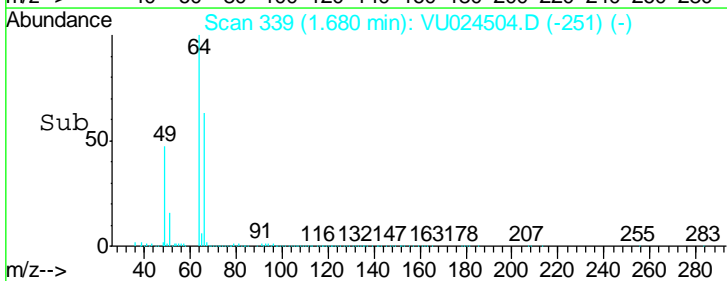
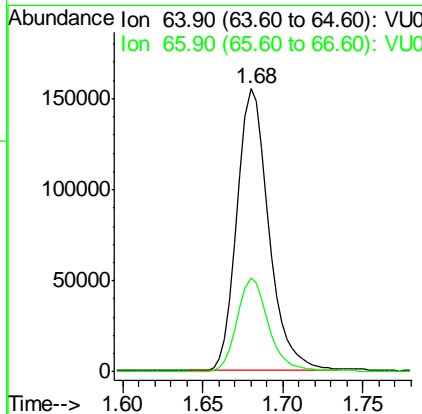
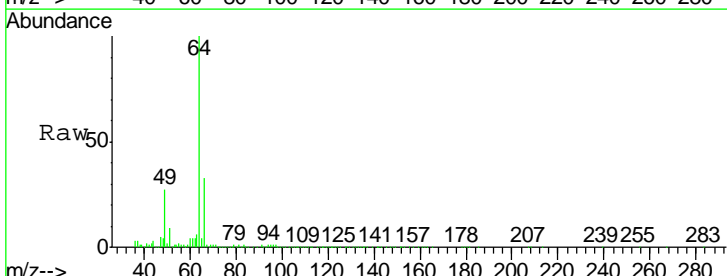
Manual Integrations
 APPROVED

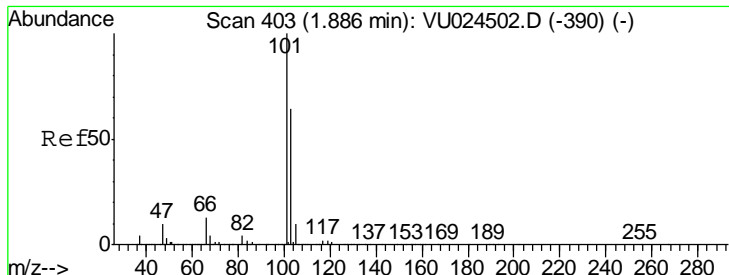
MMDadoda
 6/14/2018 9:44:43 AM



#6
 Chloroethane
 Concen: 82.002 ug/l
 RT: 1.68 min Scan# 339
 Delta R.T. -0.02 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
64	209993		
66	32.9	25.5	38.3





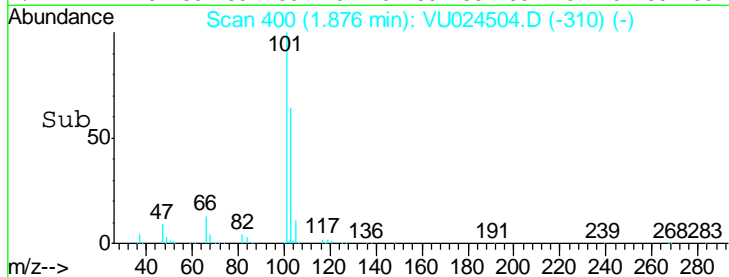
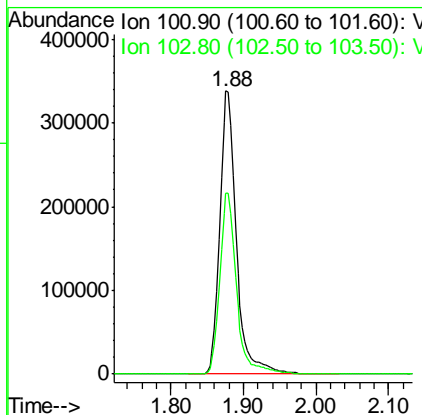
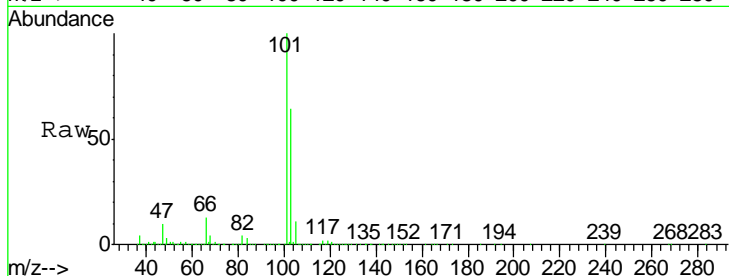
#7
 Trichlorofluoromethane
 Concen: 104.470 ug/l
 RT: 1.88 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
101	537052		
103	63.8	52.3	78.5

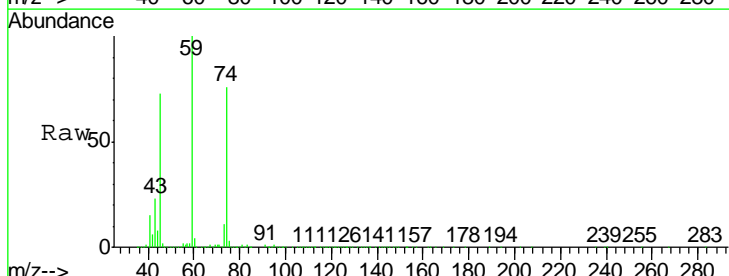
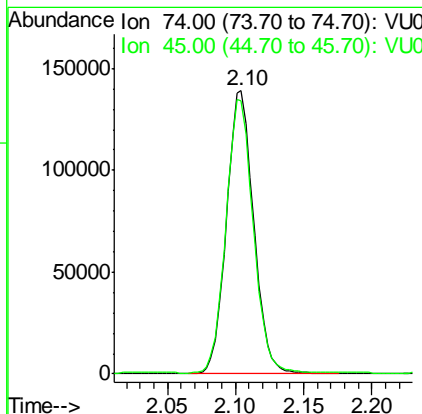
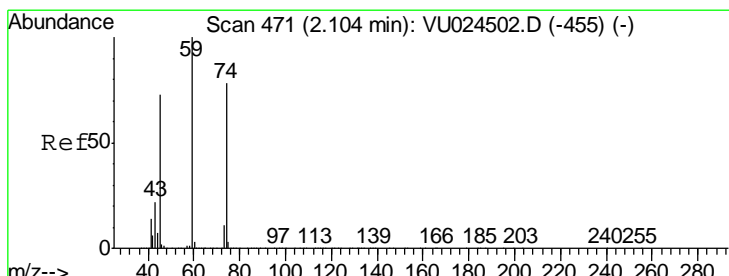
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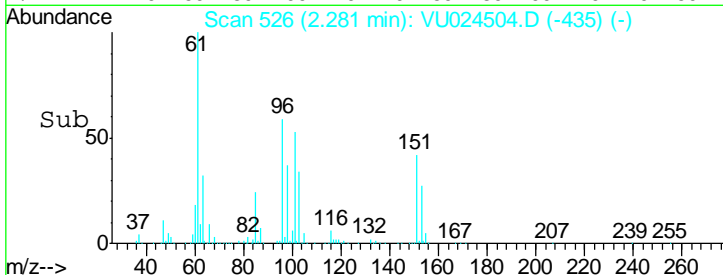
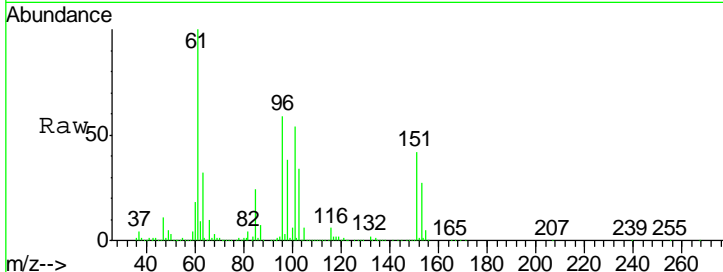
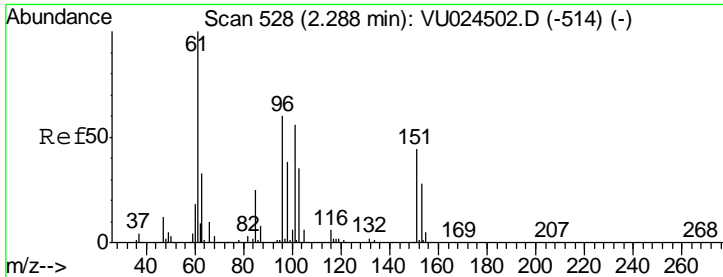
MMDadoda
 6/14/2018 9:44:43 AM



#8
 Diethyl Ether
 Concen: 93.394 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
74	191940		
45	97.5	55.0	165.0



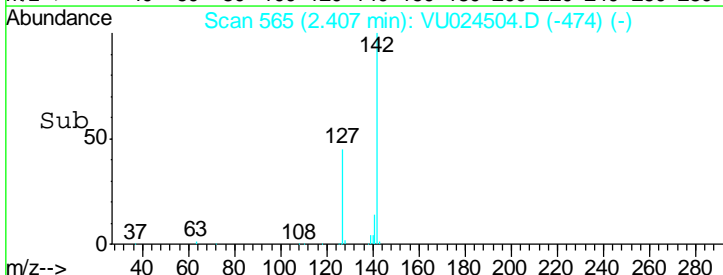
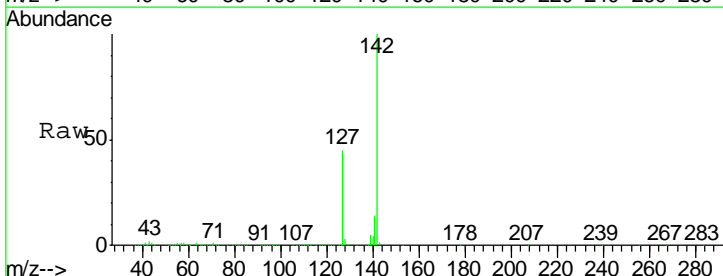
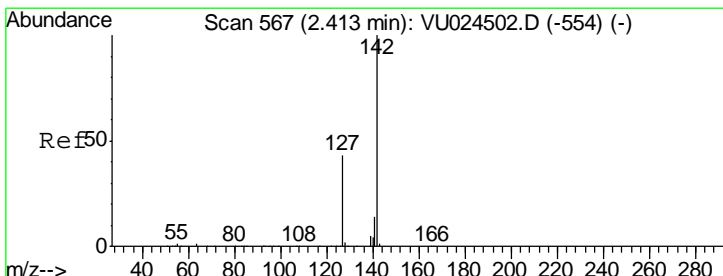
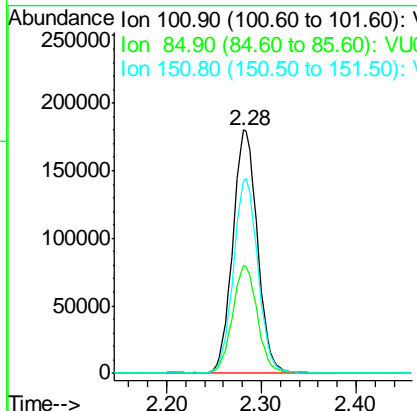


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 113.885 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
101	325883		
101	100		
85	44.3	36.0	54.0
151	79.6	62.3	93.5

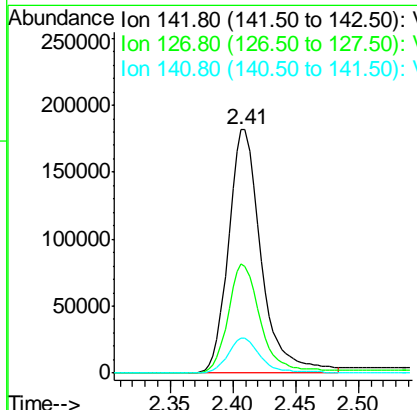
Instrument : MSVOA_U
 ClientSampled : VSTDIC150

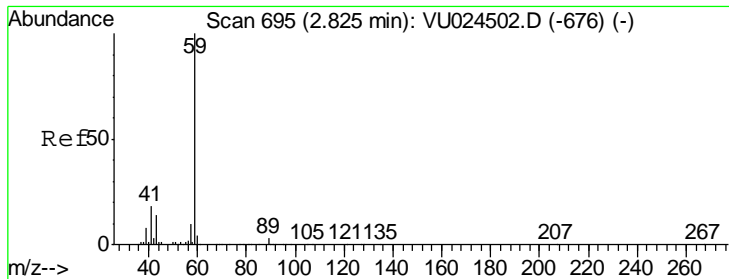
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#10
 Methyl Iodide
 Concen: 182.431 ug/l
 RT: 2.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
142	330991		
142	100		
127	45.0	35.6	53.4
141	14.3	11.7	17.5





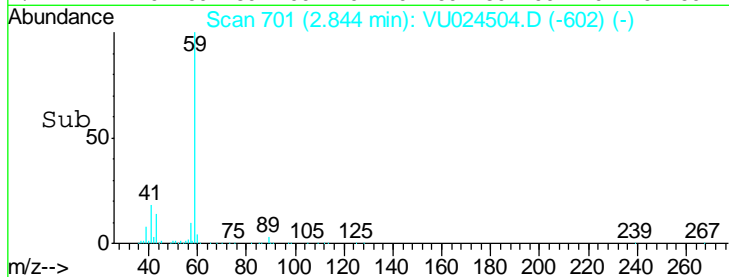
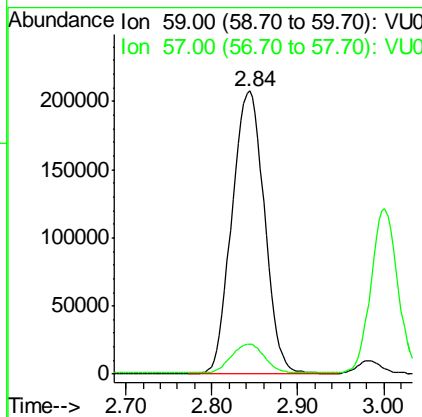
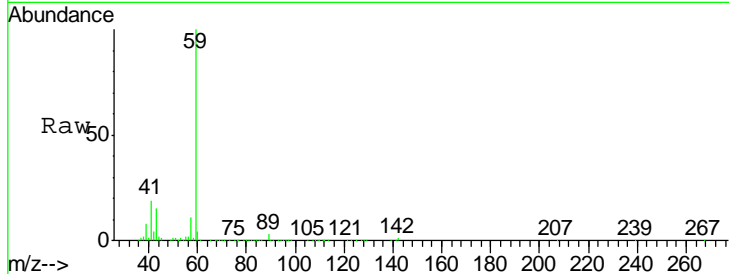
#11
 Tert butyl alcohol
 Concen: 752.968 ug/l
 RT: 2.84 min Scan# 701
 Delta R.T. 0.02 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.1	8.5	12.7

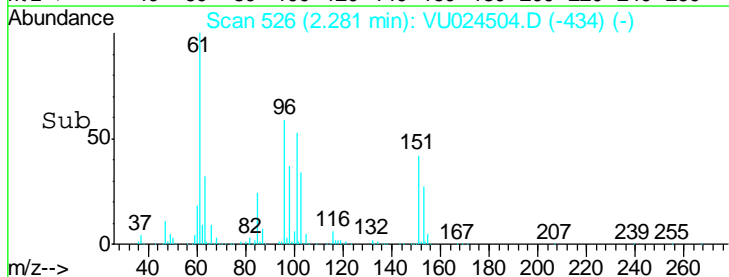
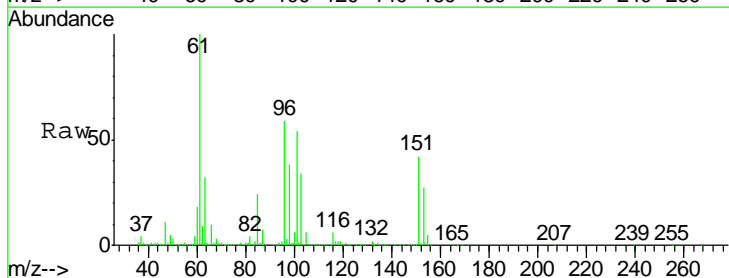
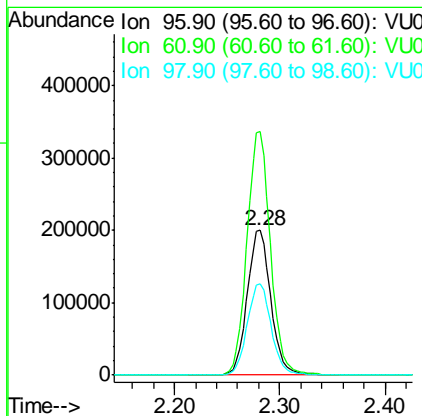
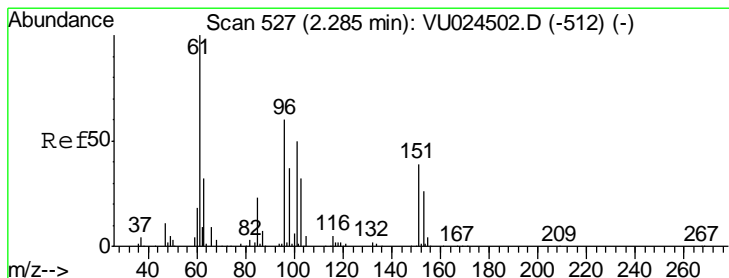
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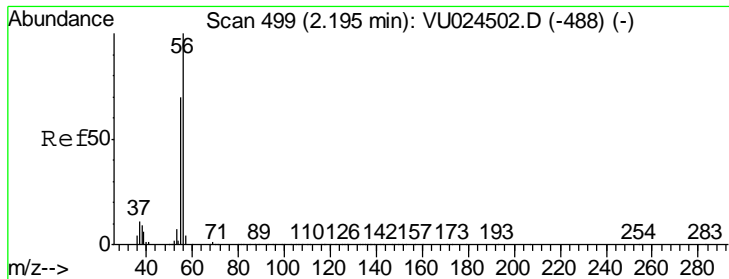
MMDadoda
 6/14/2018 9:44:43 AM



#12
 1,1-Dichloroethene
 Concen: 114.520 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
96	100		
61	169.0	141.7	212.5
98	63.2	51.6	77.4





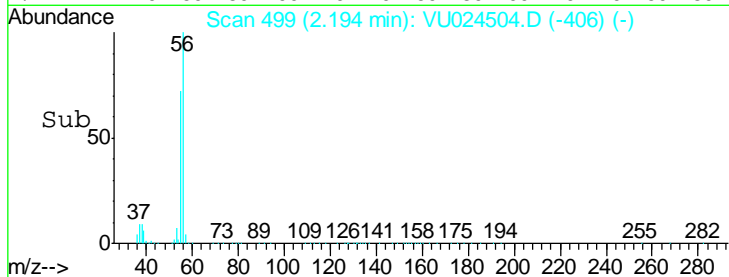
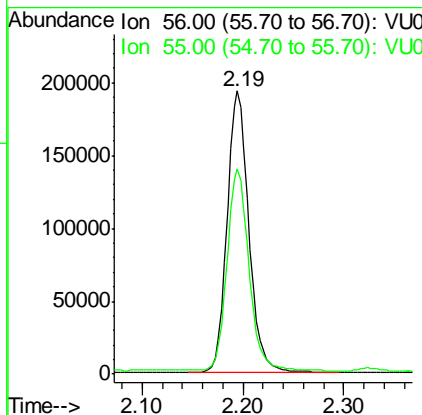
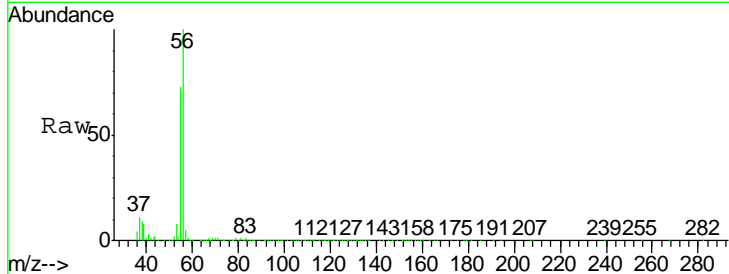
#13
 Acrolein
 Concen: 388.546 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
56	292902		
55	72.5	58.4	87.6

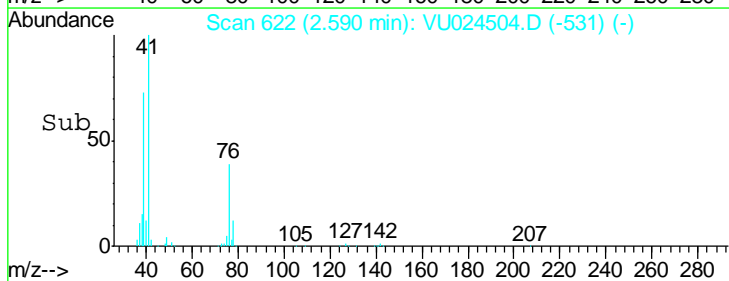
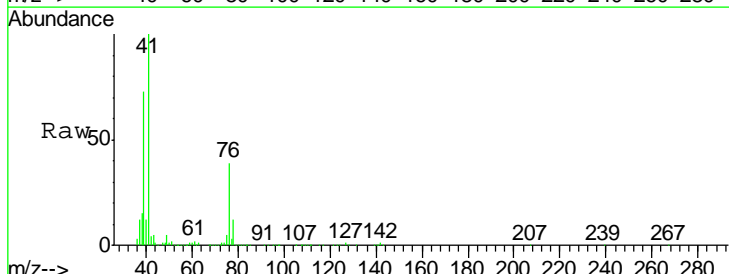
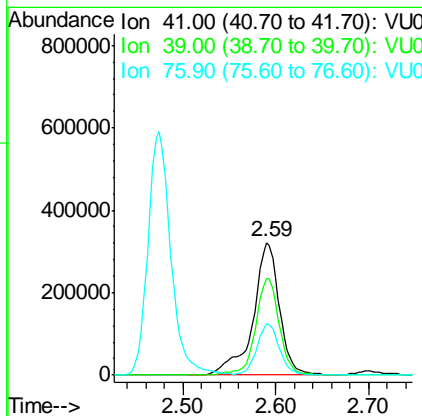
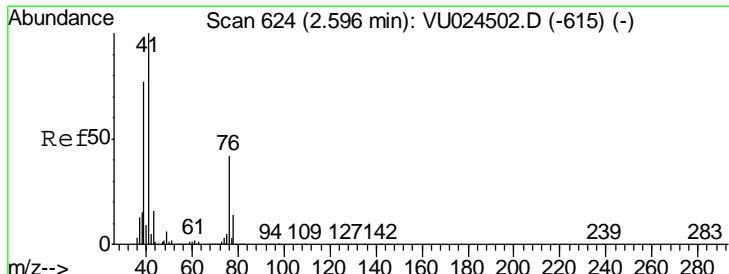
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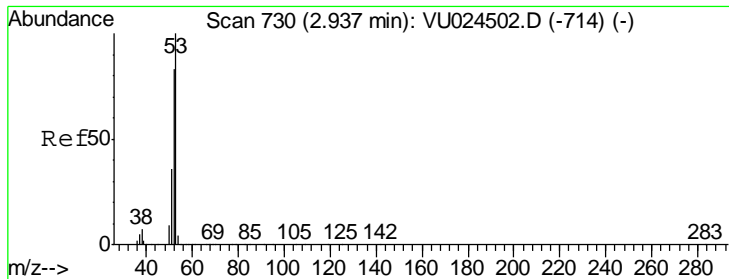
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#14
 Allyl chloride
 Concen: 136.685 ug/l
 RT: 2.59 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
41	621655		
39	66.0	61.6	92.4
76	33.7	29.7	44.5





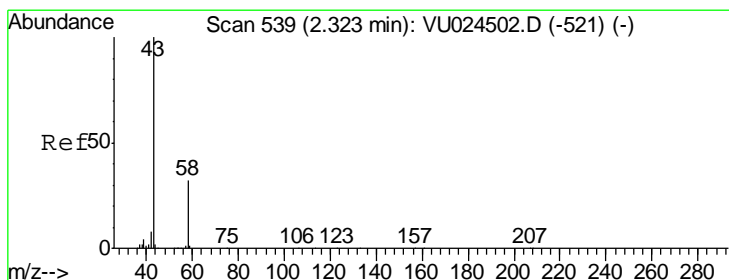
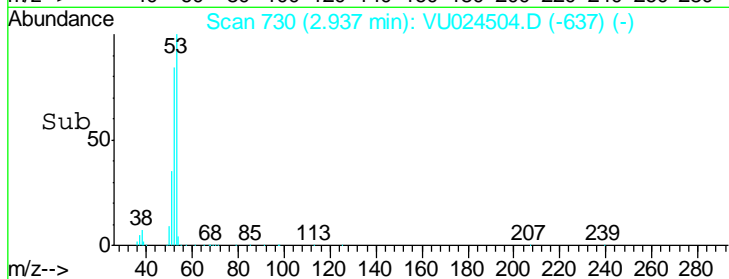
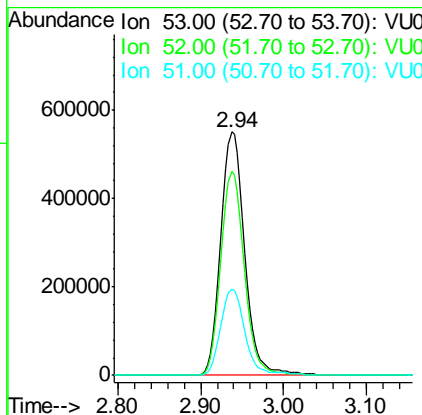
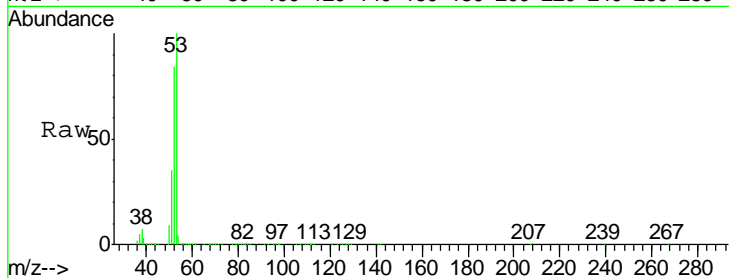
#15
 Acrylonitrile
 Concen: 567.630 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.8	67.1	100.7
51	35.1	28.4	42.6

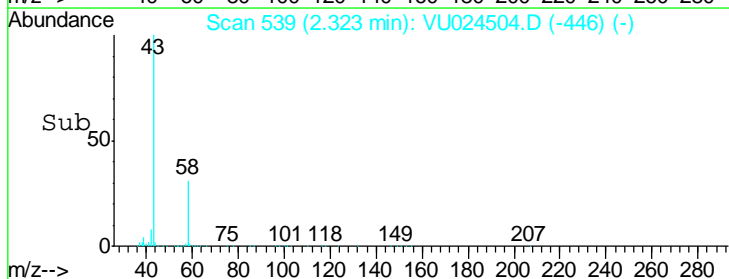
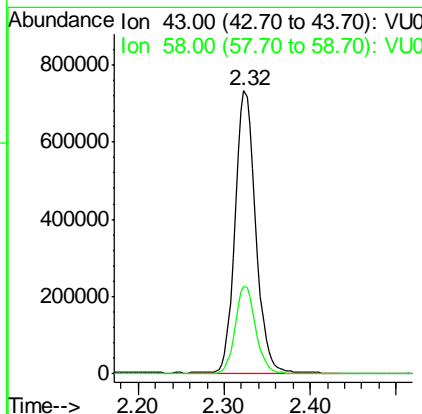
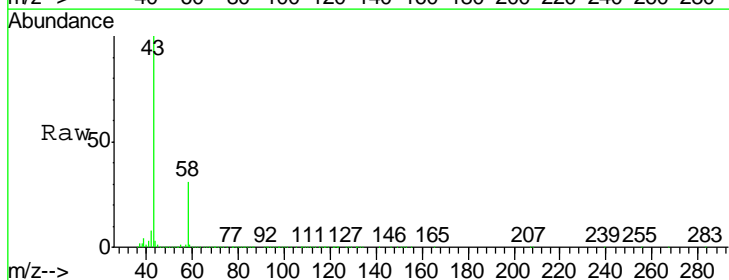
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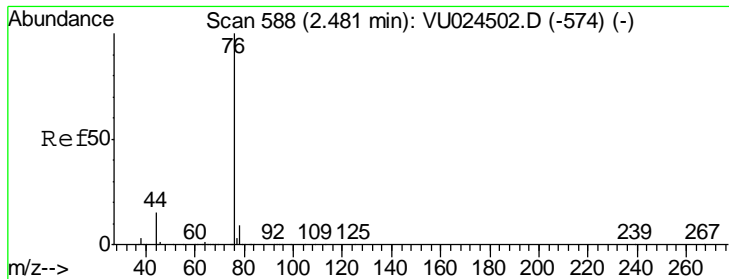
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#16
 Acetone
 Concen: 496.403 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.1	24.4	36.6





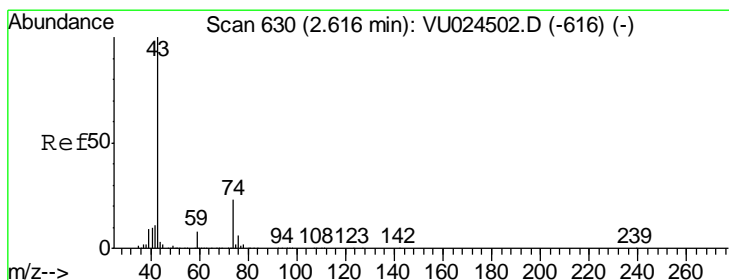
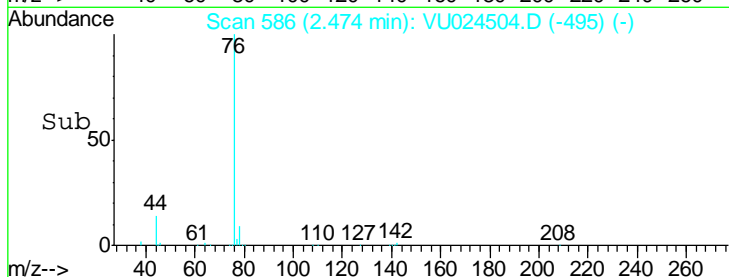
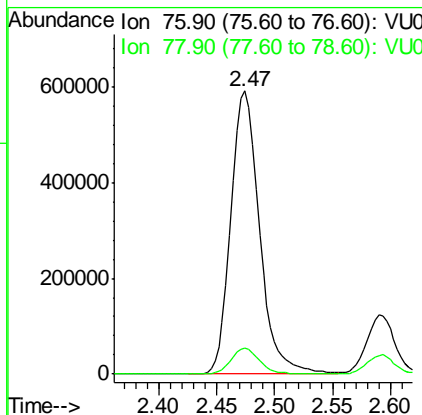
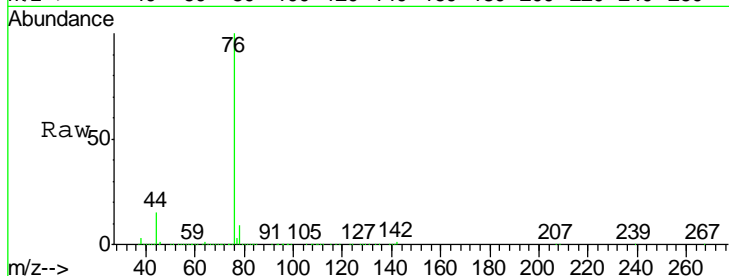
#17
 Carbon Disulfide
 Concen: 122.634 ug/l
 RT: 2.47 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion: 76 Resp: 1011413
 Ion Ratio Lower Upper
 76 100
 78 9.2 7.1 10.7

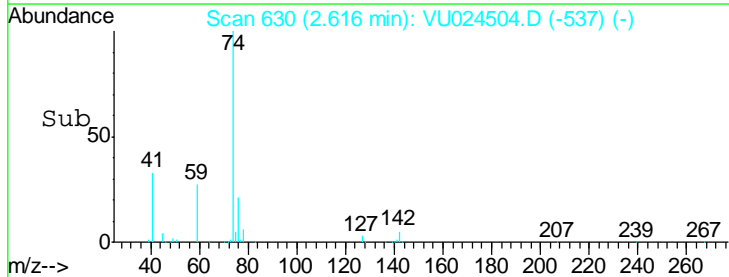
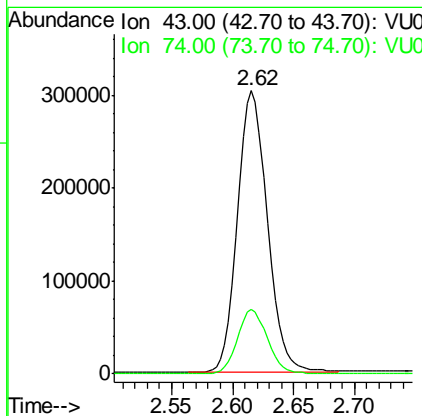
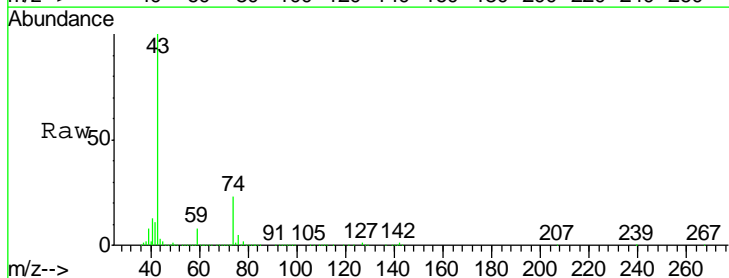
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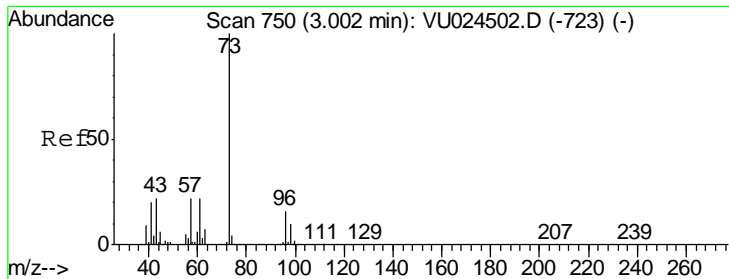
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#18
 Methyl Acetate
 Concen: 106.271 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion: 43 Resp: 513986
 Ion Ratio Lower Upper
 43 100
 74 23.3 18.0 27.0





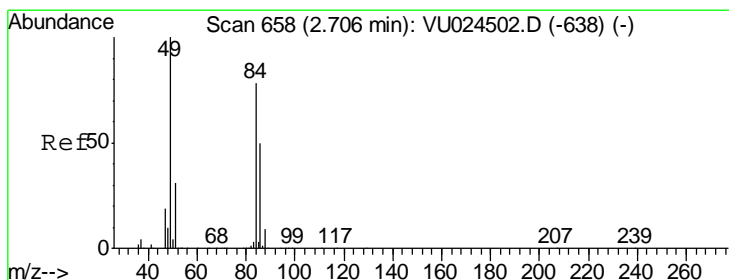
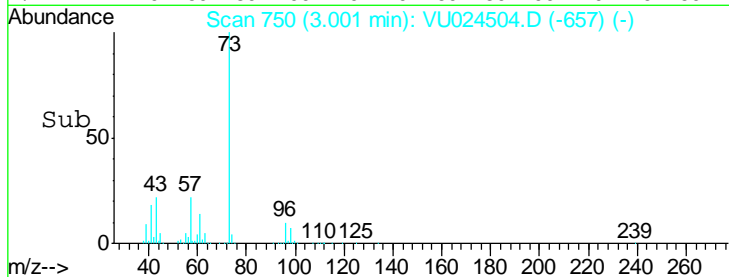
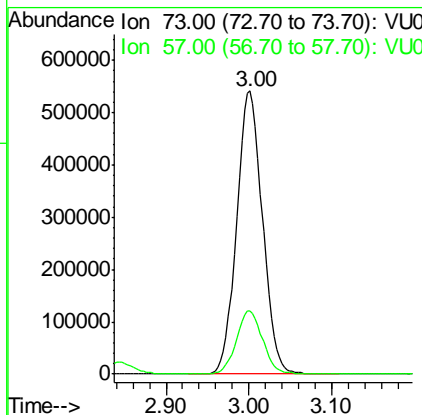
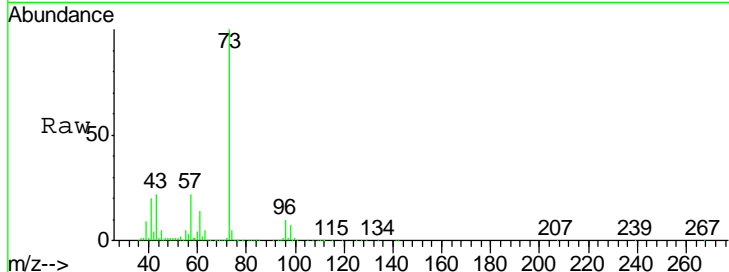
#19
 Methyl tert-butyl Ether
 Concen: 139.327 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
73	1173711		
57	22.2	18.8	28.2

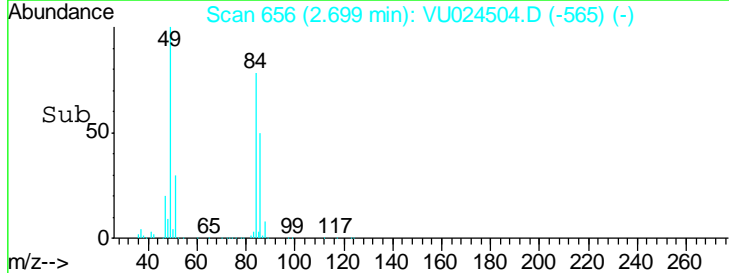
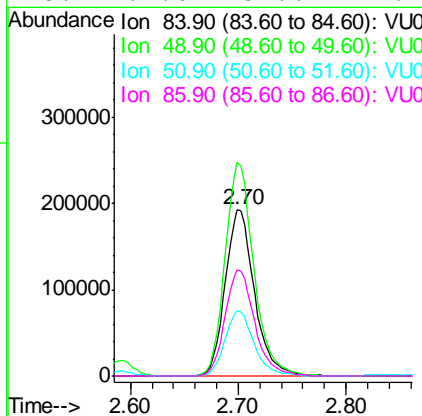
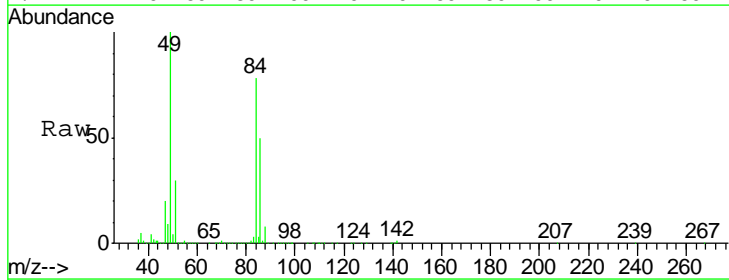
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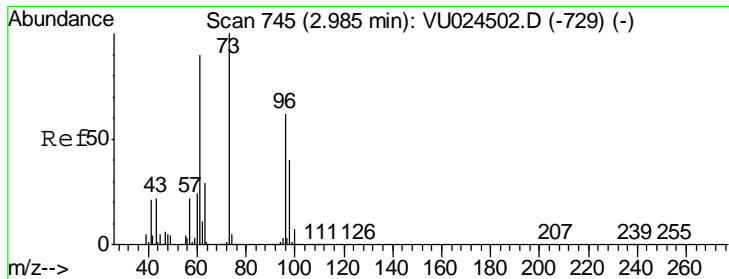
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#20
 Methylene Chloride
 Concen: 108.560 ug/l
 RT: 2.70 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
84	363048		
49	128.6	103.8	155.8
51	39.1	32.0	48.0
86	64.0	51.6	77.4





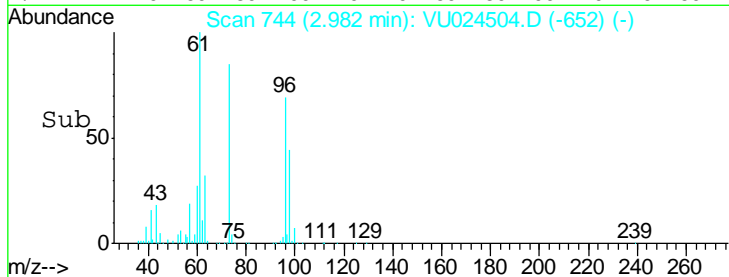
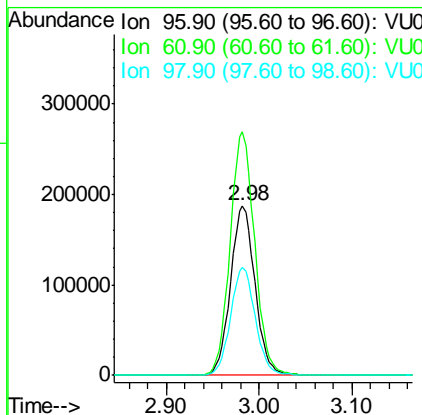
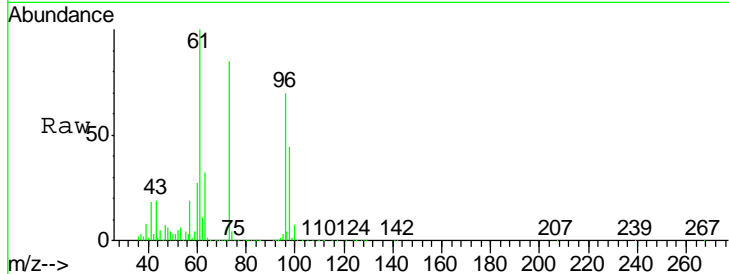
#21
 trans-1,2-Dichloroethene
 Concen: 119.132 ug/l
 RT: 2.98 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	342667		
96	100		
61	143.9	119.4	179.0
98	63.7	51.1	76.7

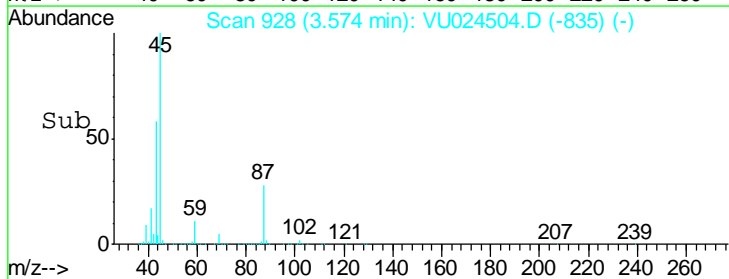
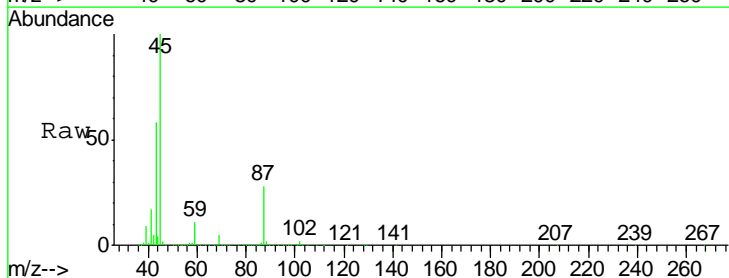
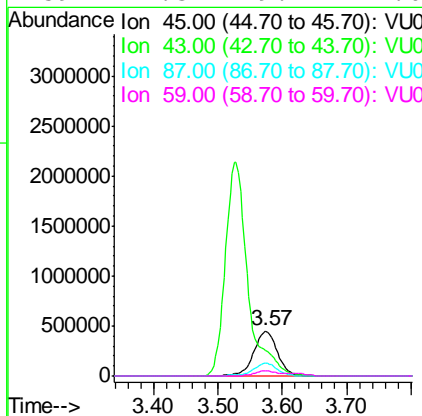
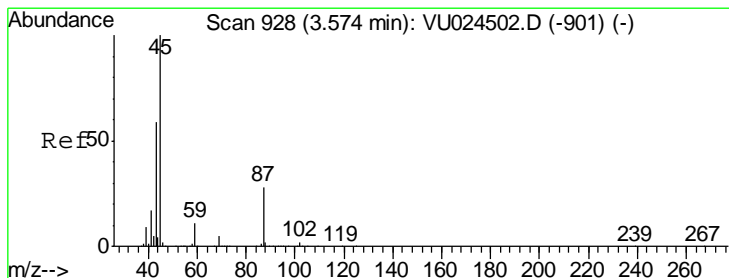
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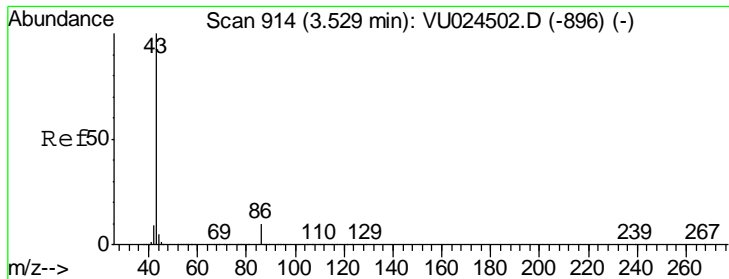
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#22
 Diisopropyl ether
 Concen: 125.100 ug/l
 RT: 3.57 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
45	1146437		
45	100		
43	57.8	45.8	68.6
87	28.2	20.6	31.0
59	11.3	9.4	14.0





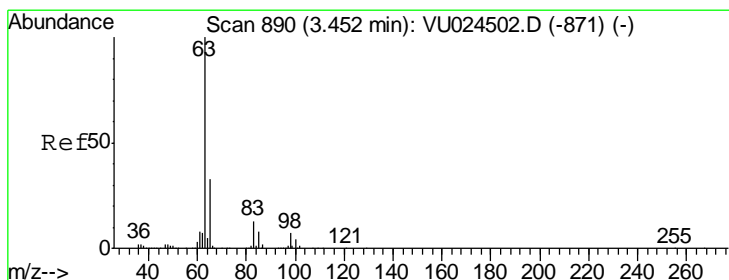
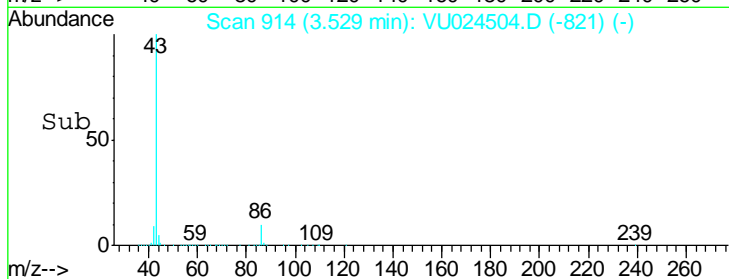
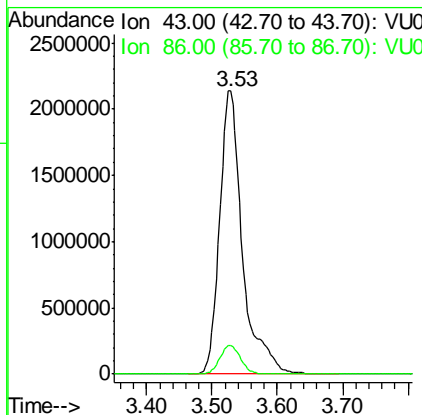
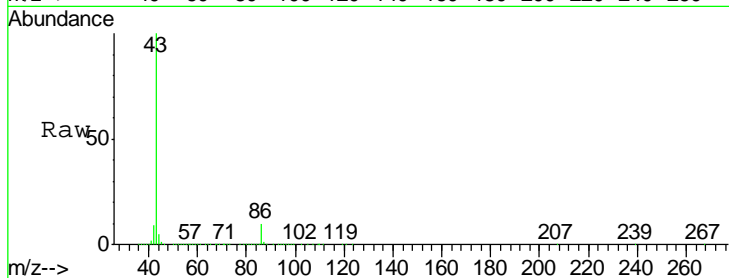
#23
 Vinyl Acetate
 Concen: 771.072 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.3	7.8	11.8

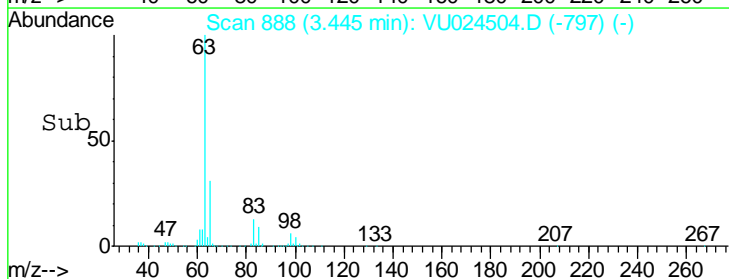
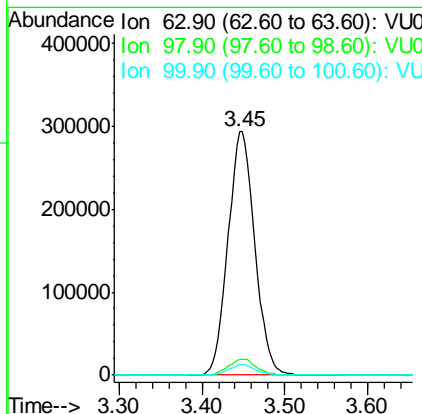
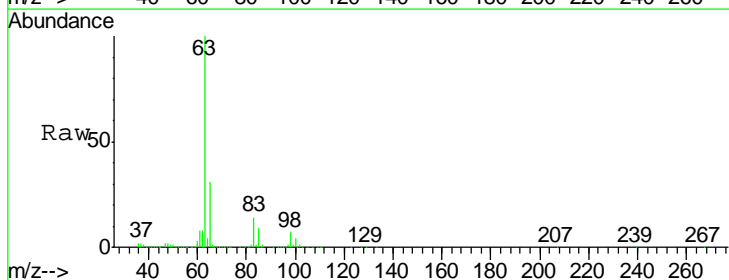
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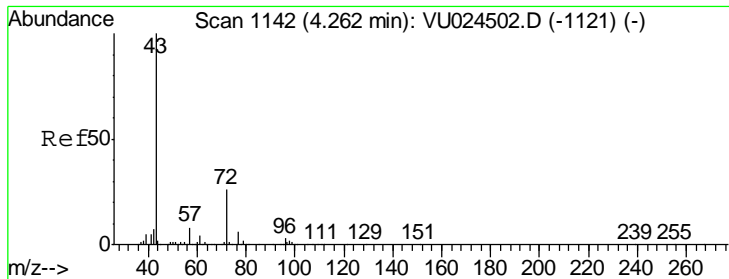
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#24
 1,1-Dichloroethane
 Concen: 114.984 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.4	3.5	10.4
100	4.2	1.8	5.5





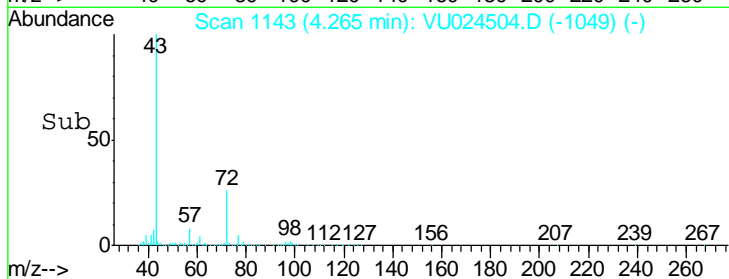
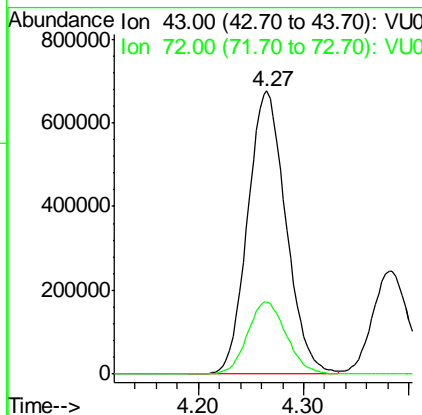
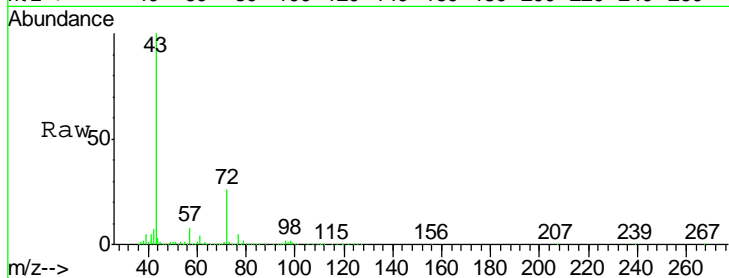
#25
 2-Butanone
 Concen: 582.427 ug/l
 RT: 4.27 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150

Tgt Ion: 43 Resp: 1695005
 Ion Ratio Lower Upper
 43 100
 72 25.6 19.6 29.4

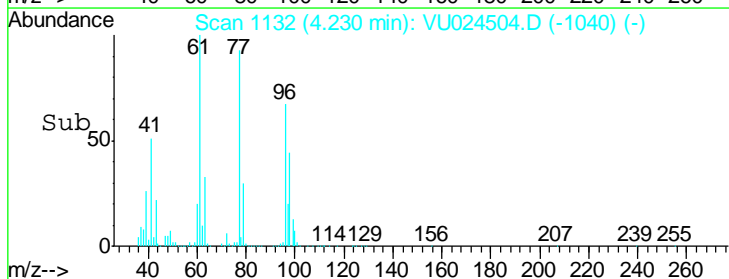
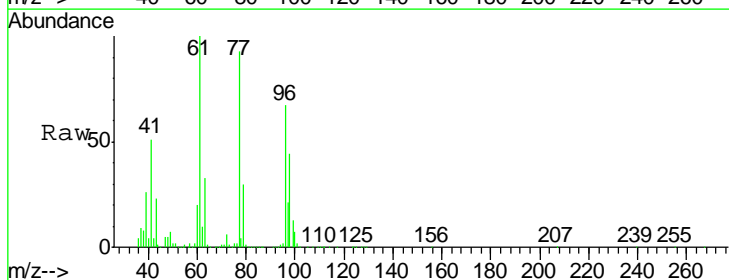
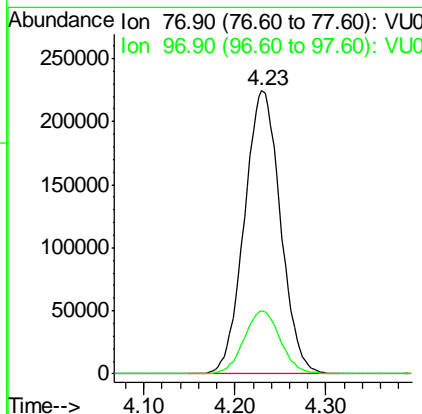
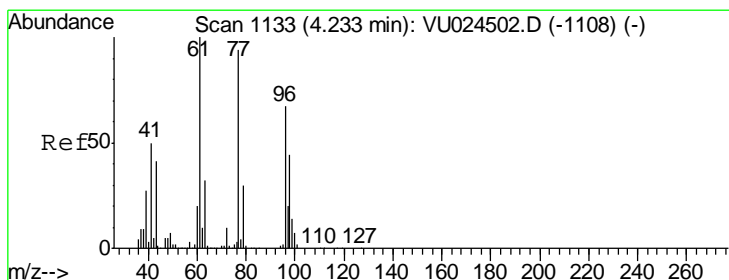
Manual Integrations
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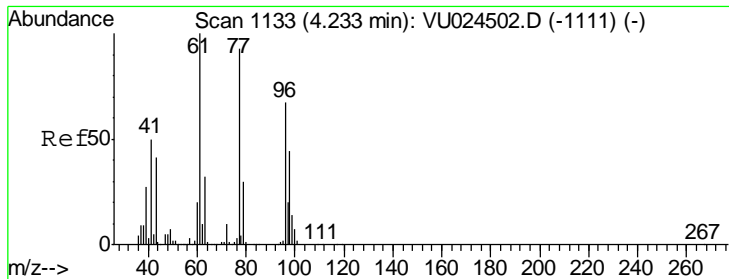
MMDadoda
 6/14/2018 9:44:43 AM



#26
 2,2-Dichloropropane
 Concen: 140.850 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion: 77 Resp: 616139
 Ion Ratio Lower Upper
 77 100
 97 22.1 11.3 33.8





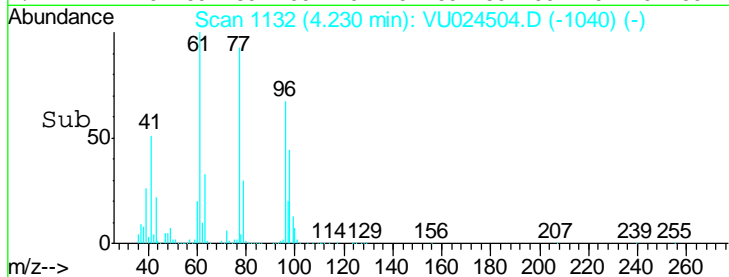
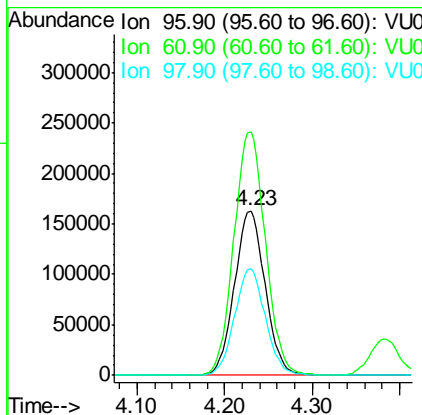
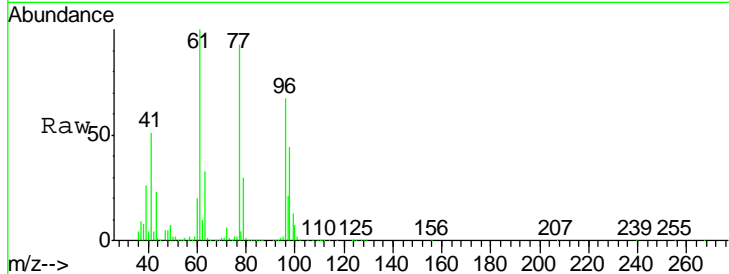
#27
 cis-1,2-Dichloroethene
 Concen: 126.258 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	394624		
61	152.8	0.0	306.6
98	64.6	0.0	128.8

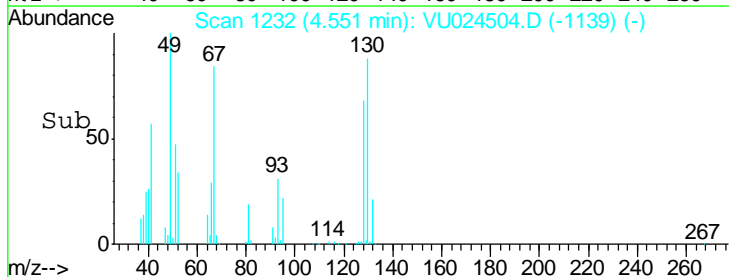
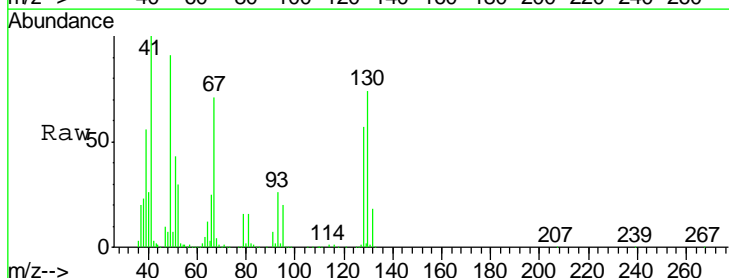
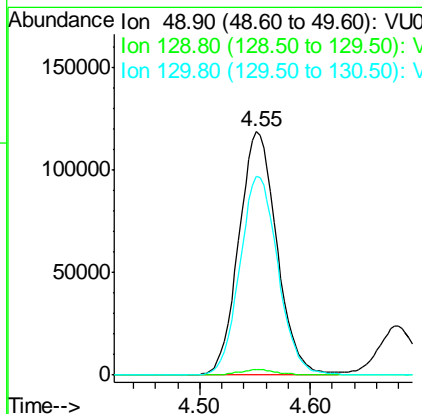
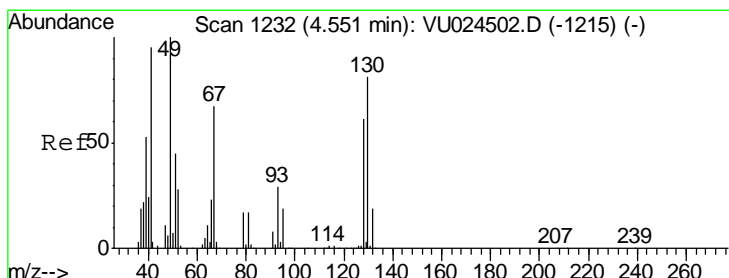
Manual Integrations
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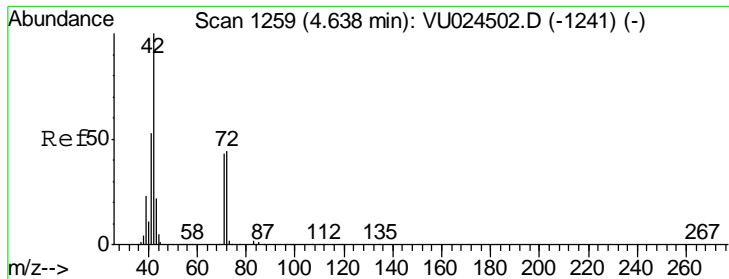
MMDadoda
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#28
 Bromochloromethane
 Concen: 134.967 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
49	283590		
129	2.3	0.0	3.8
130	82.0	57.8	86.6





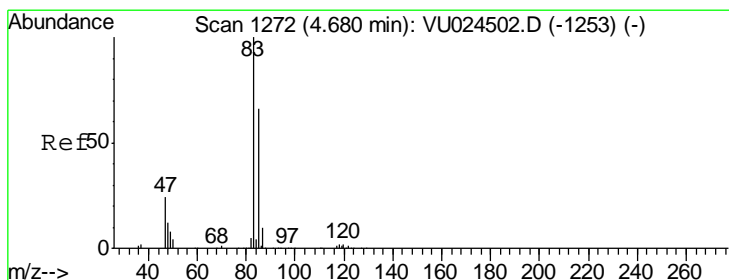
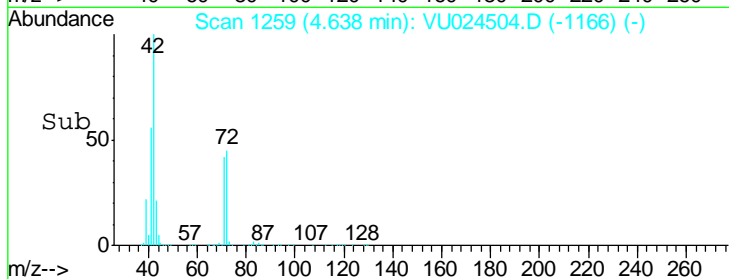
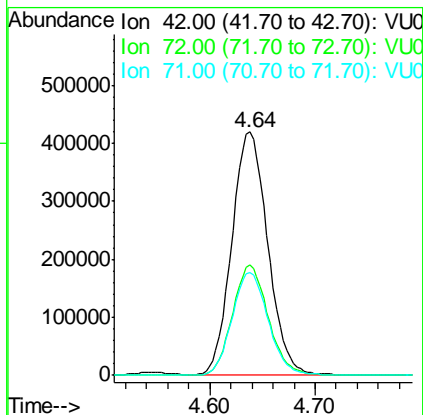
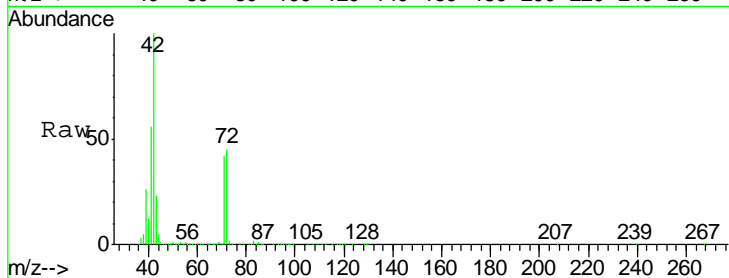
#29
 Tetrahydrofuran
 Concen: 594.049 ug/l
 RT: 4.64 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
42	100		
72	45.4	34.5	51.7
71	42.4	32.2	48.4

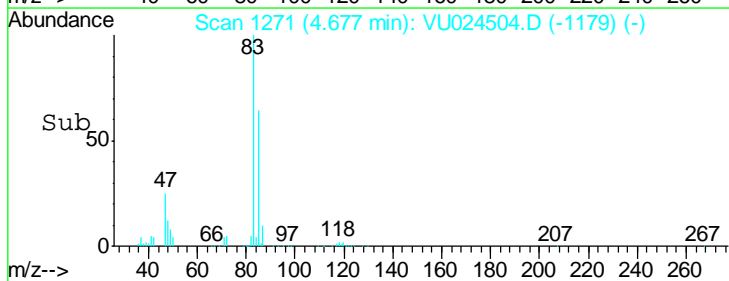
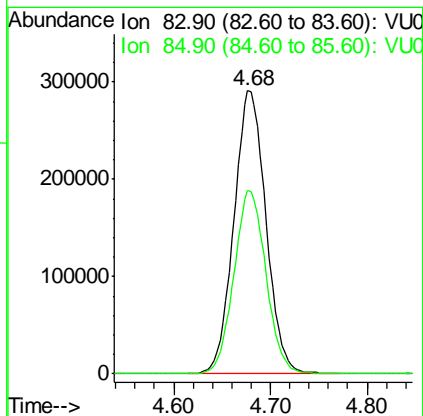
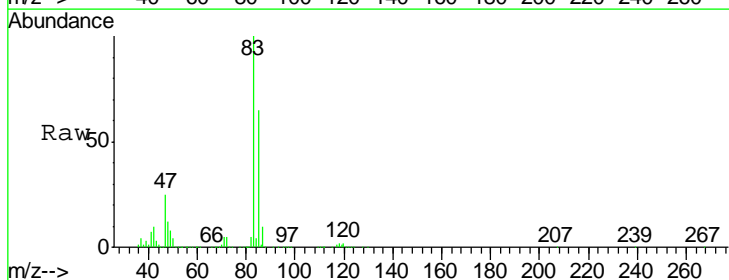
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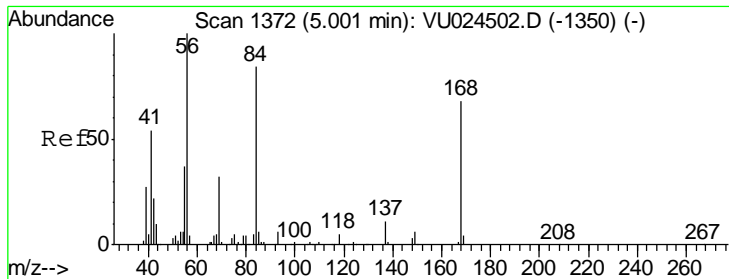
MMDadoda
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#30
 Chloroform
 Concen: 114.251 ug/l
 RT: 4.68 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.6	52.4	78.6





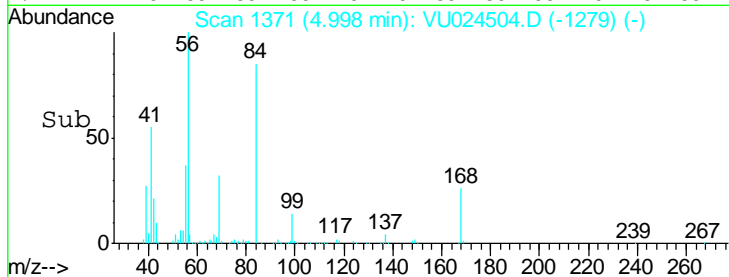
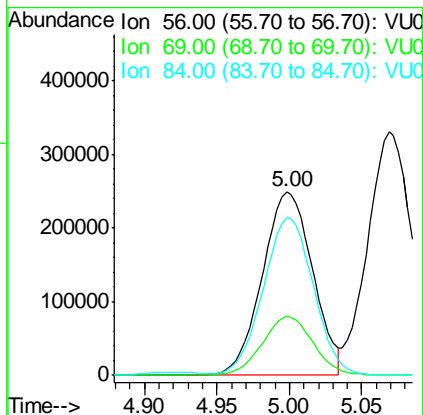
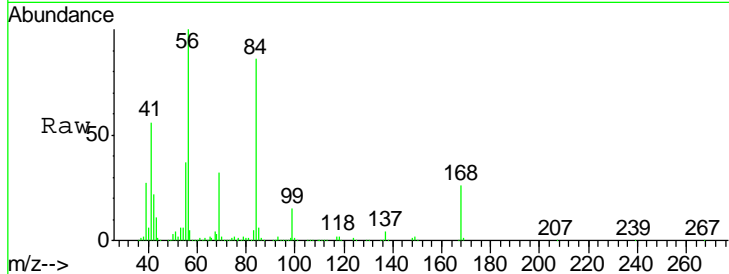
#31
 Cyclohexane
 Concen: 105.166 ug/l
 RT: 5.00 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
56	100		
69	31.8	24.8	37.2
84	84.3	65.2	97.8

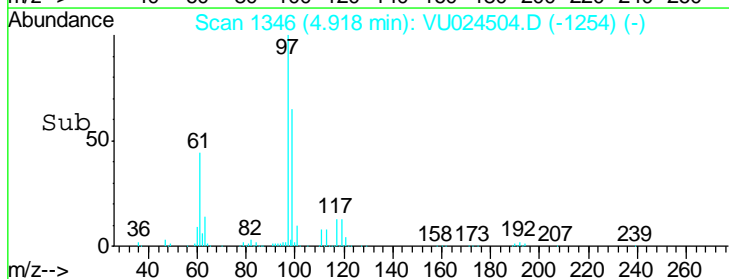
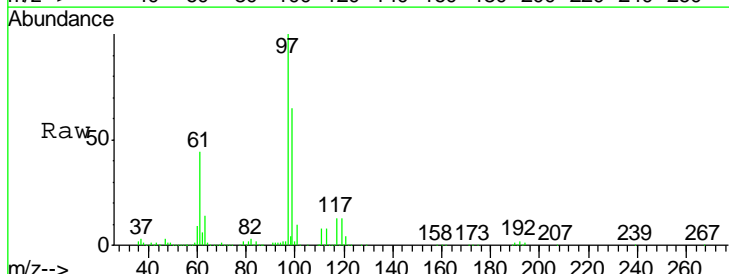
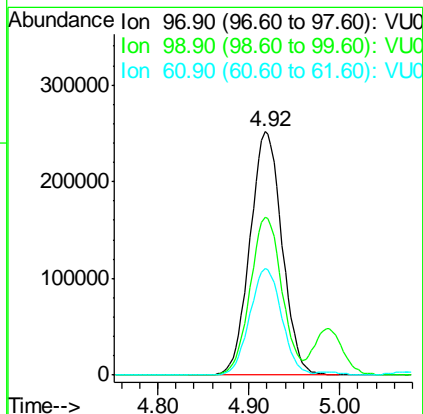
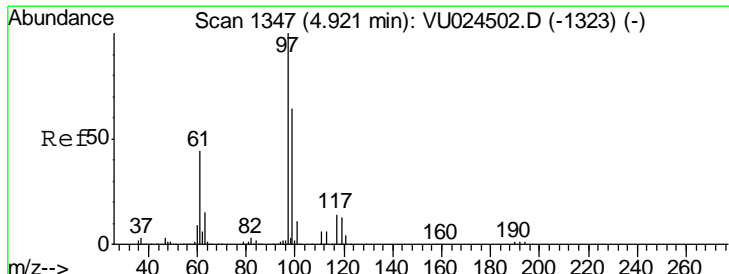
Manual Integrations
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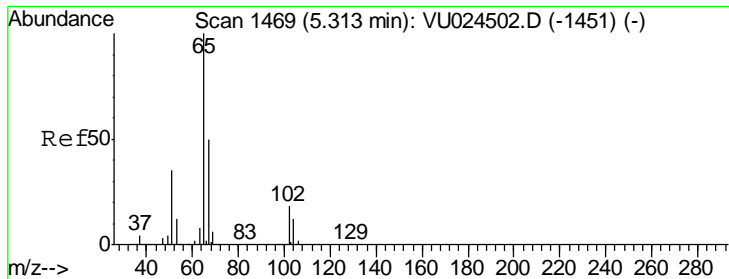
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#32
 1,1,1-Trichloroethane
 Concen: 130.977 ug/l
 RT: 4.92 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	44.0	39.4	59.0





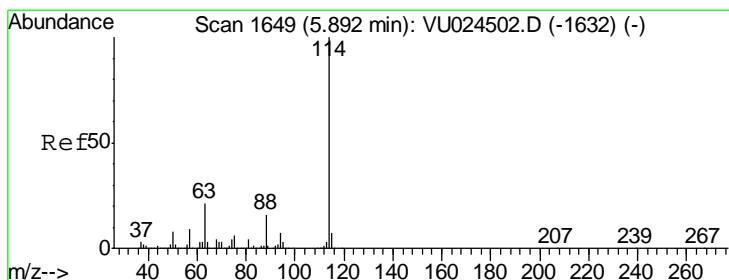
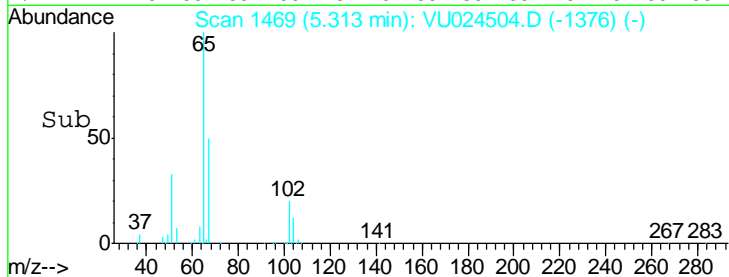
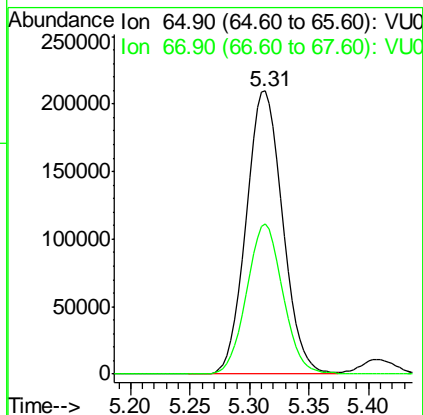
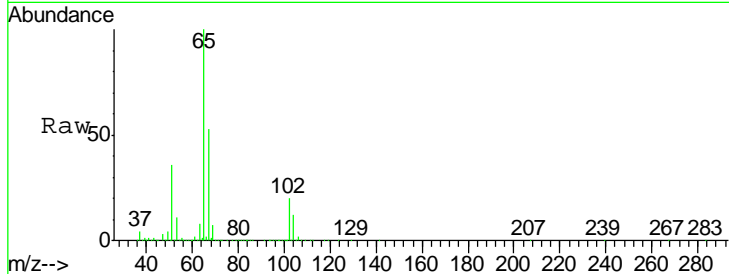
#33
 1,2-Dichloroethane-d4
 Concen: 116.920 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
65	100		
67	52.1	0.0	107.0

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

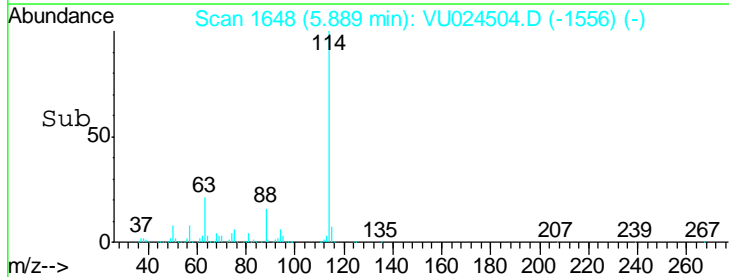
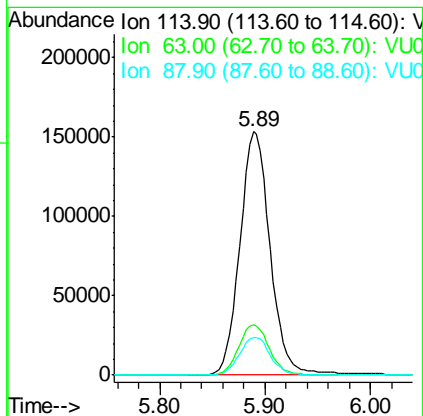
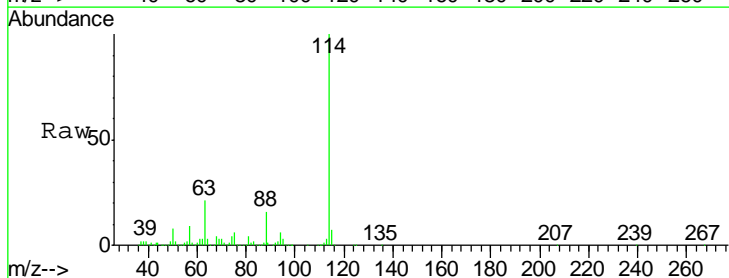
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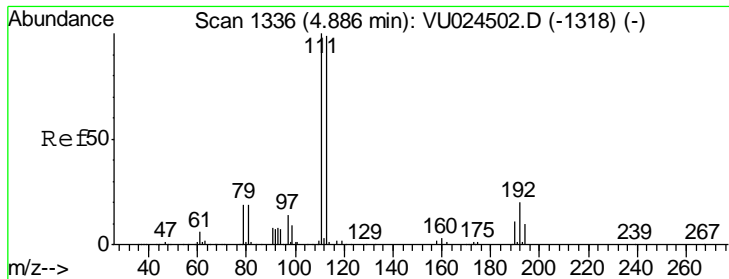
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

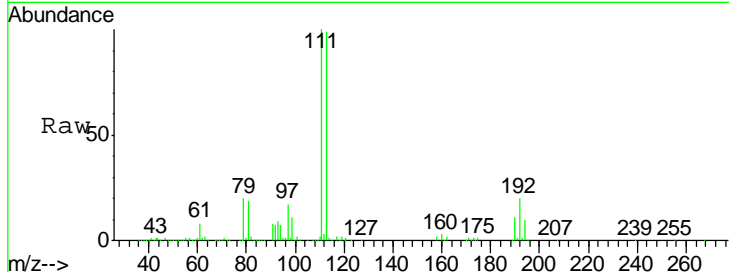
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.6	0.0	45.4
88	15.7	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 115.981 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

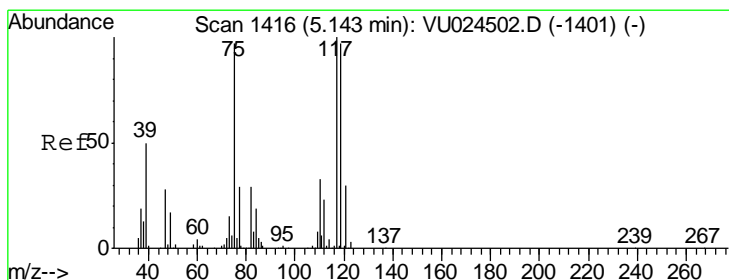
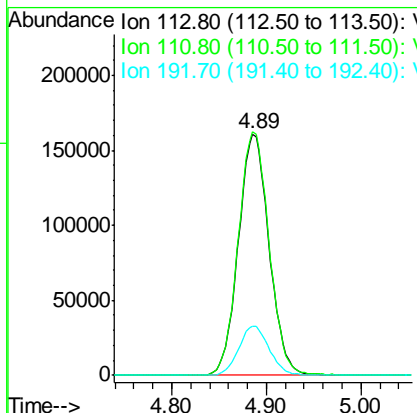
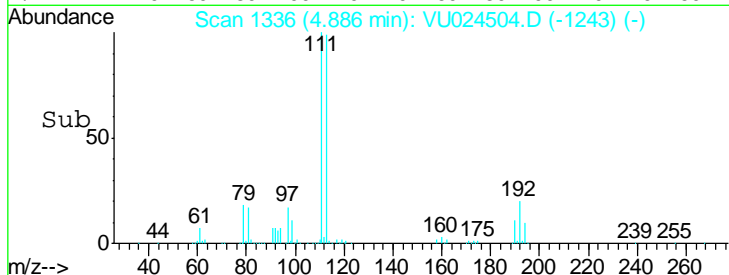
Instrument : MSVOA_U
 ClientSampled : VSTDIC150



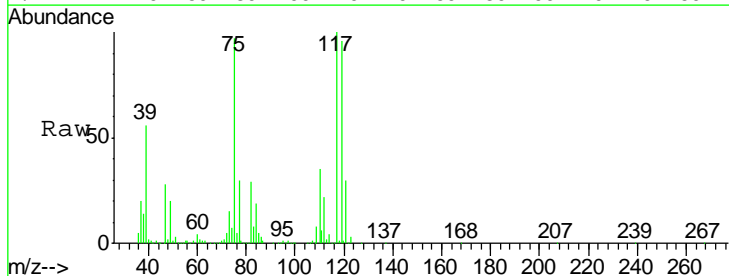
Tgt Ion	Resp	Lower	Upper
113	362857		
113	100		
111	101.3	82.2	123.4
192	20.3	16.2	24.4

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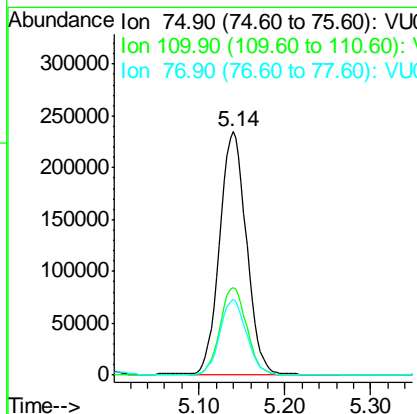
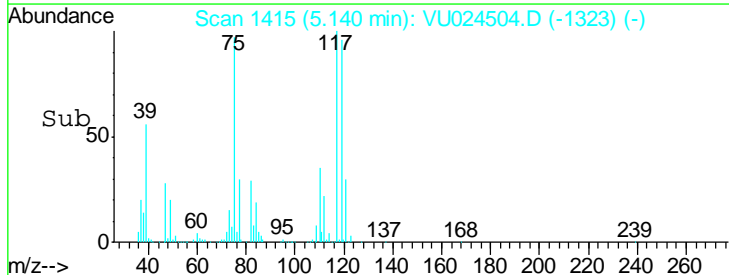
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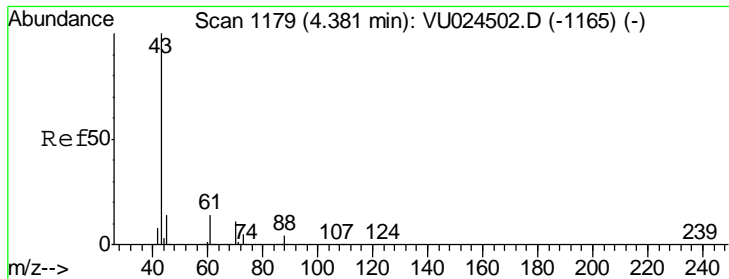


#36
 1,1-Dichloropropene
 Concen: 117.212 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28



Tgt Ion	Resp	Lower	Upper
75	509556		
75	100		
110	36.0	17.0	50.9
77	30.6	24.2	36.4





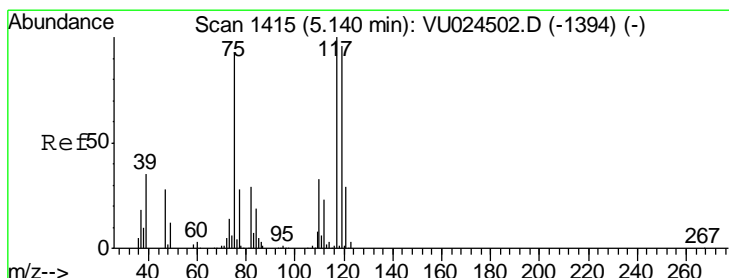
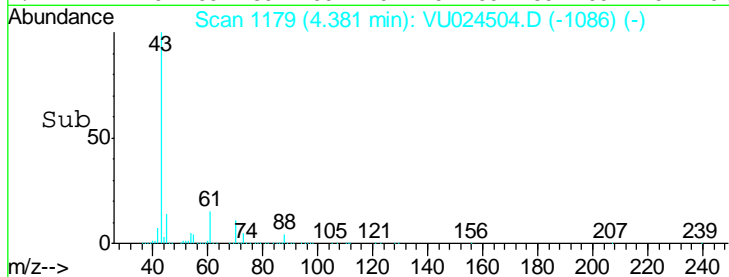
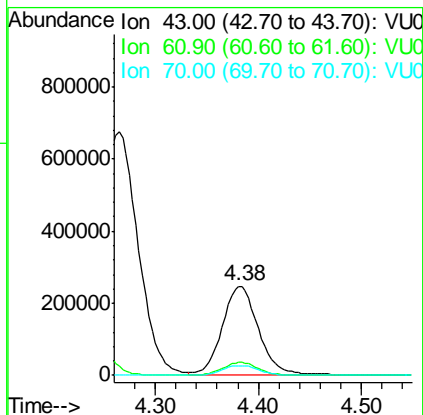
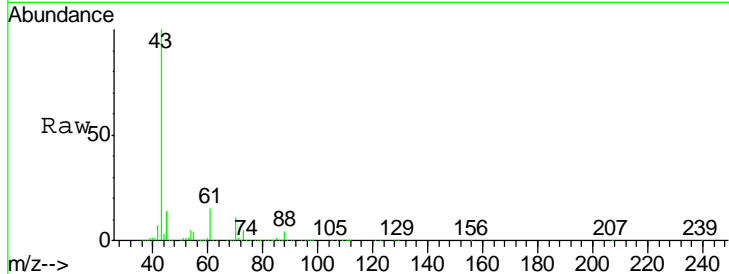
#37
 Ethyl Acetate
 Concen: 121.274 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.3	10.5	15.7
70	10.9	7.4	11.2

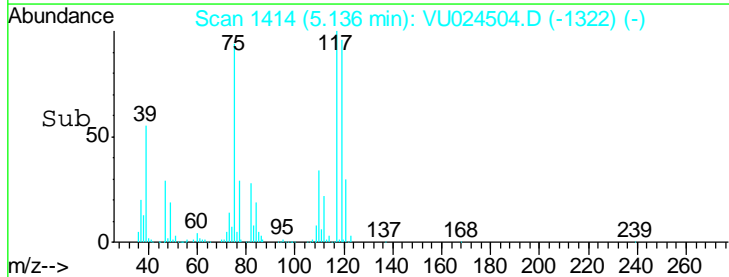
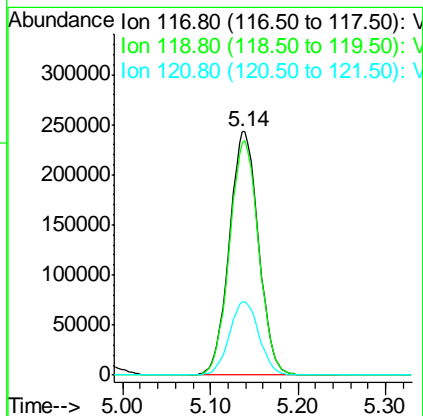
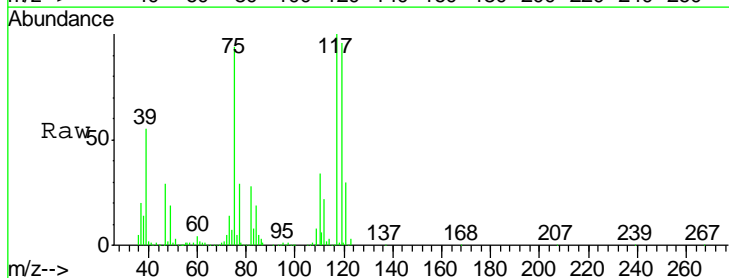
Manual Integrations
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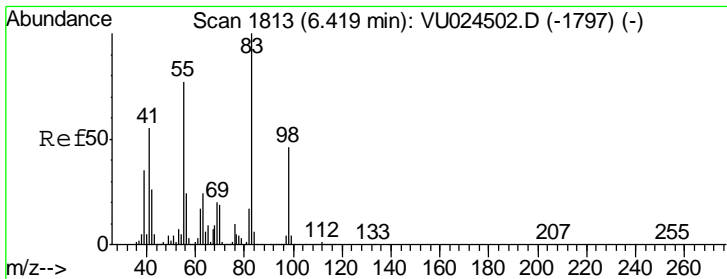
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#38
 Carbon Tetrachloride
 Concen: 135.355 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.6	76.1	114.1
121	30.2	23.7	35.5





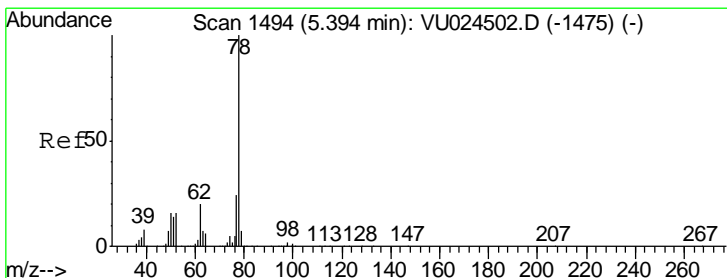
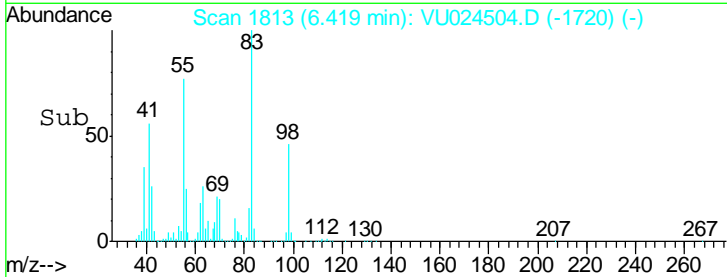
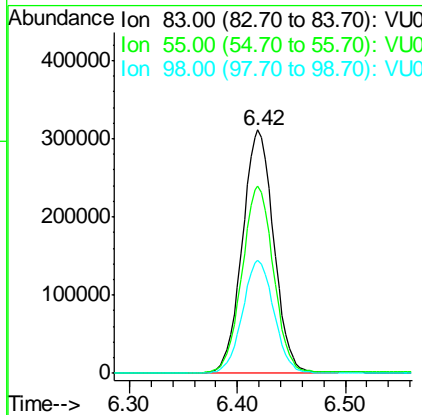
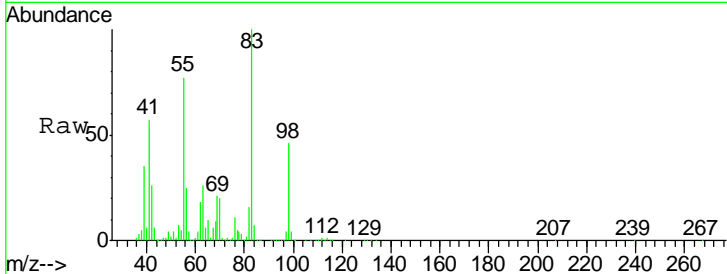
#39
 Methylcyclohexane
 Concen: 133.660 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	627796		
83	100		
55	76.8	65.8	98.6
98	46.3	36.7	55.1

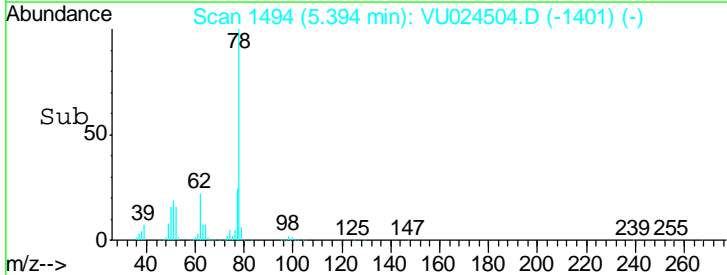
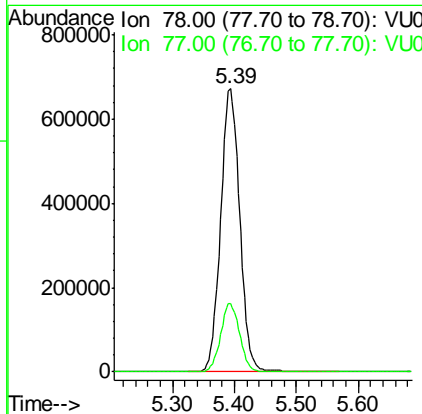
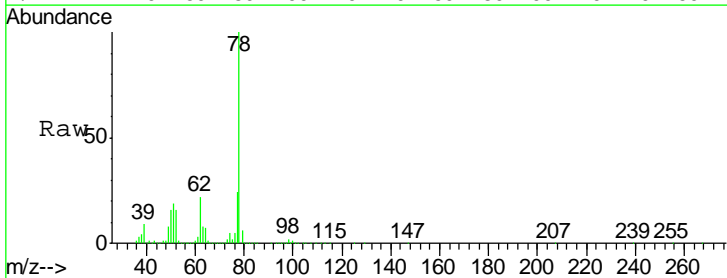
Manual Integrations
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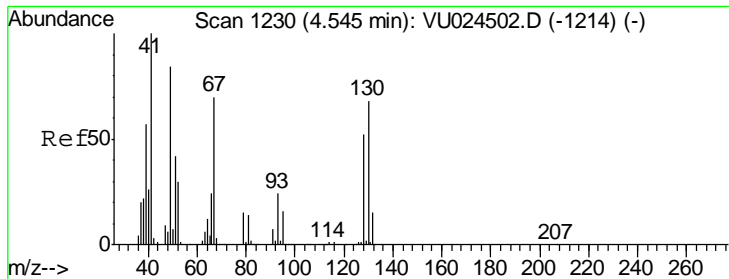
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#40
 Benzene
 Concen: 110.027 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

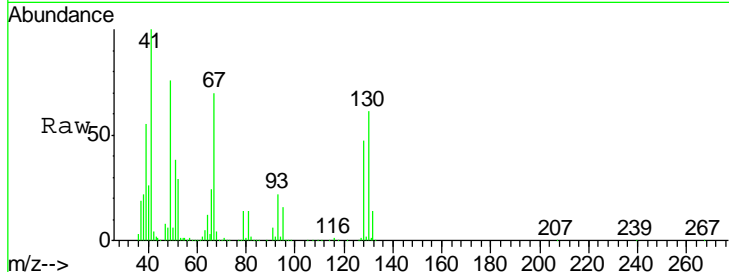
Tgt Ion	Resp	Lower	Upper
78	1441696		
78	100		
77	24.0	19.2	28.8





#41
 Methacrylonitrile
 Concen: 118.763 ug/l
 RT: 4.54 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

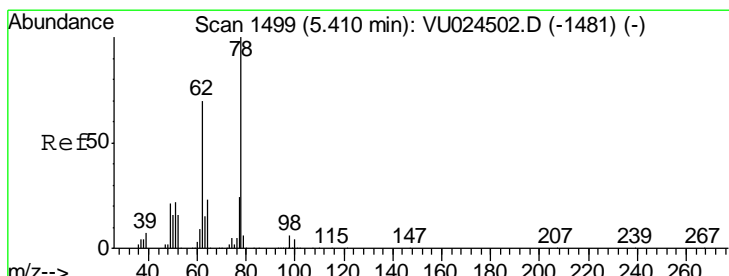
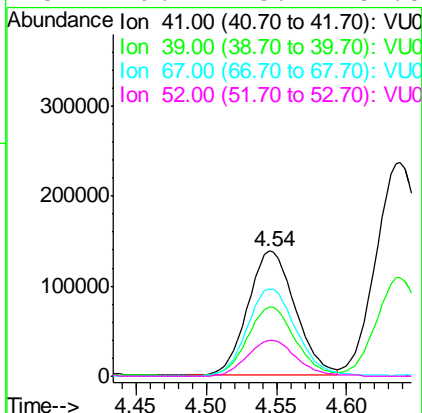
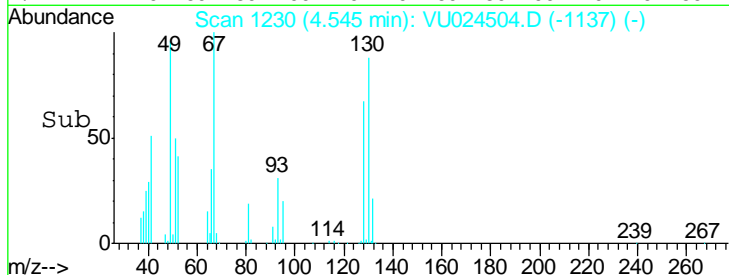
Instrument : MSVOA_U
 ClientSampled : VSTDIC150



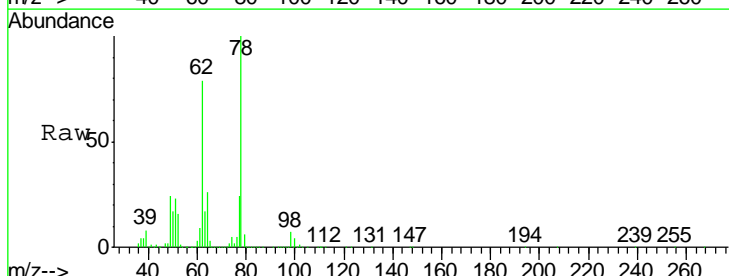
Tgt Ion: 41 Resp: 324420

Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.8	65.6
67	71.8	56.3	84.5
52	29.2	23.2	34.8

Manual Integrations
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 MMDadoda
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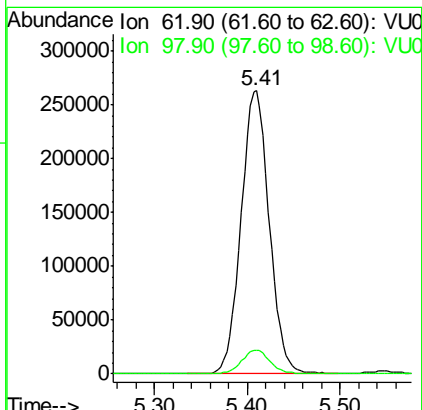
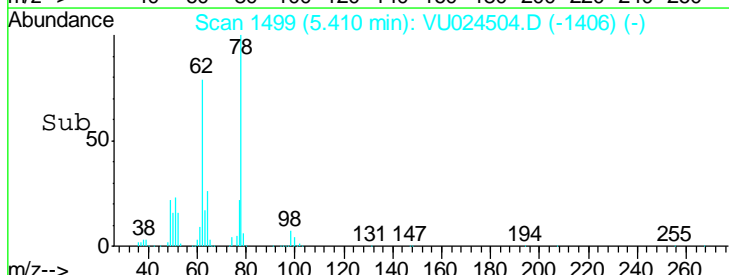


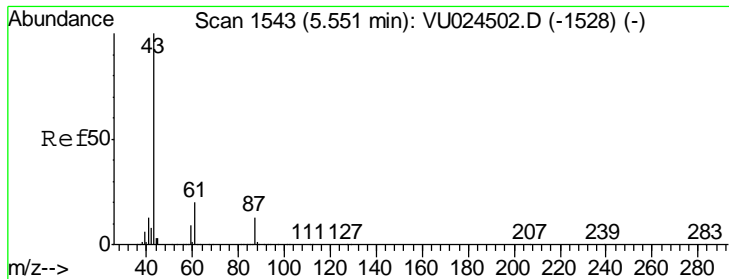
#42
 1,2-Dichloroethane
 Concen: 110.266 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28



Tgt Ion: 62 Resp: 553343

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6





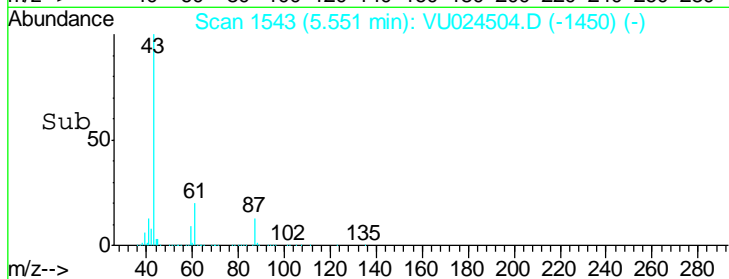
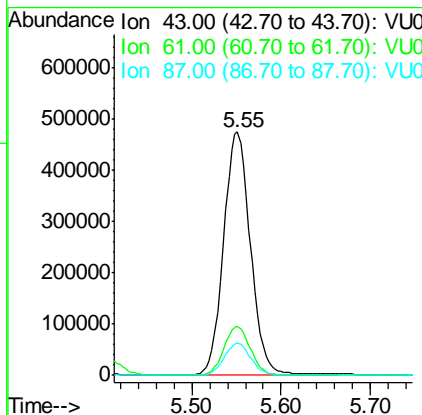
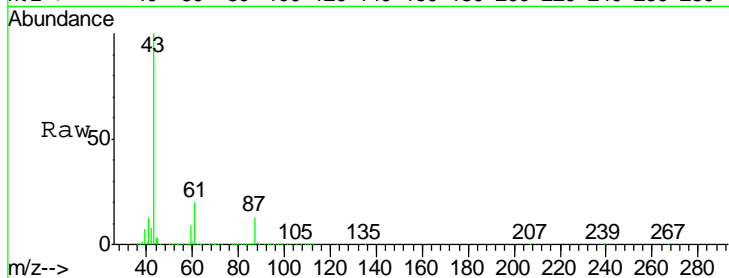
#43
 Isopropyl Acetate
 Concen: 131.912 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.0	15.4	23.0
87	13.3	10.0	15.0

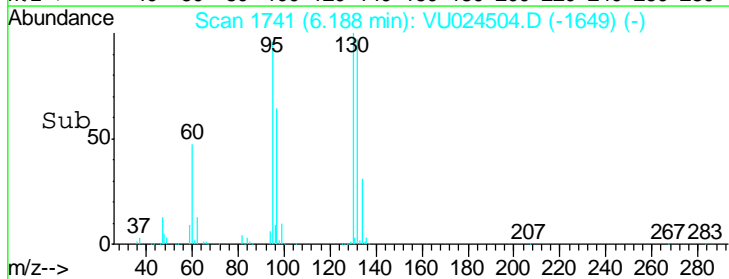
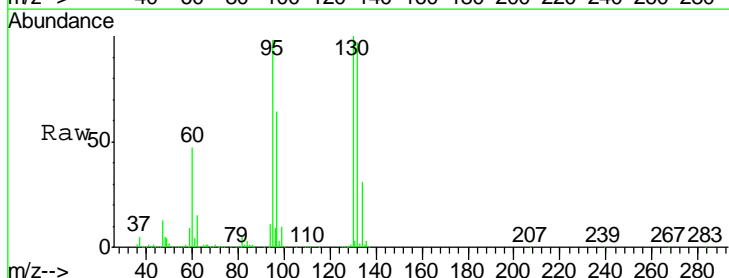
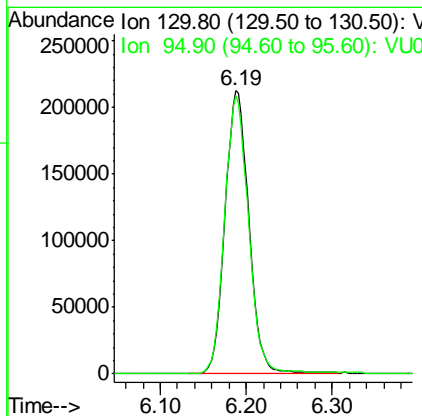
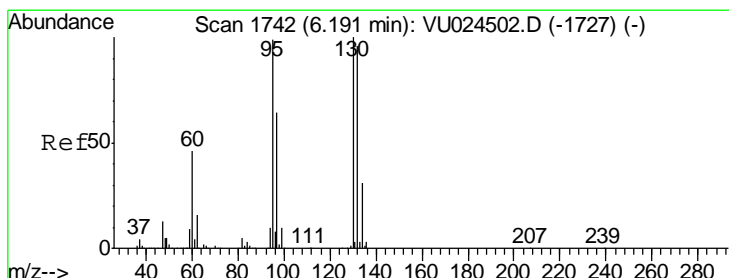
Manual Integrations
 APPROVED

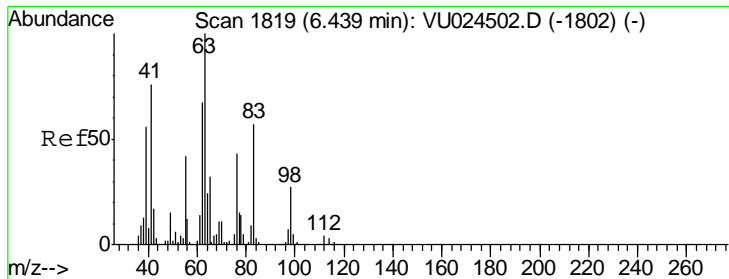
MMDadoda
 6/14/2018 9:44:43 AM



#44
 Trichloroethene
 Concen: 120.563 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
130	100		
95	98.0	0.0	202.4





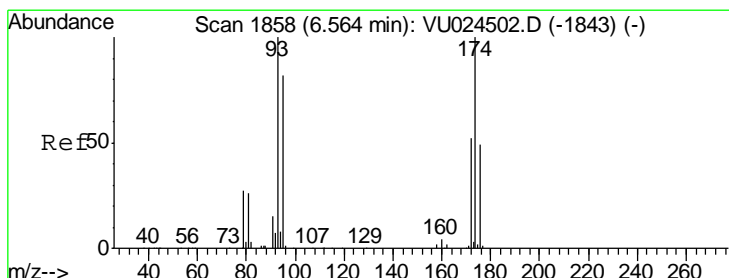
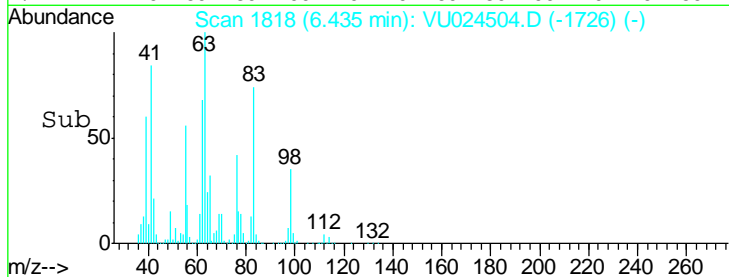
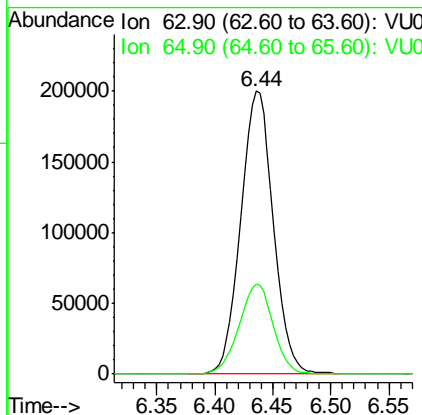
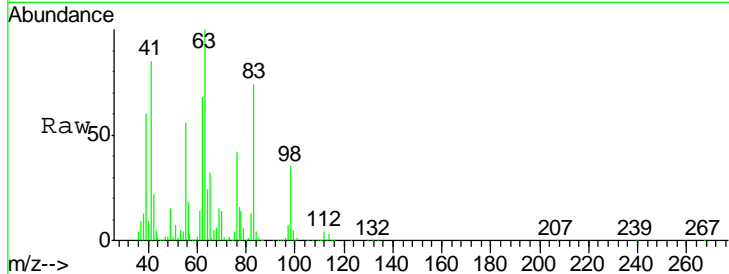
#45
 1,2-Dichloropropane
 Concen: 111.257 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion: 63 Resp: 391798
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2

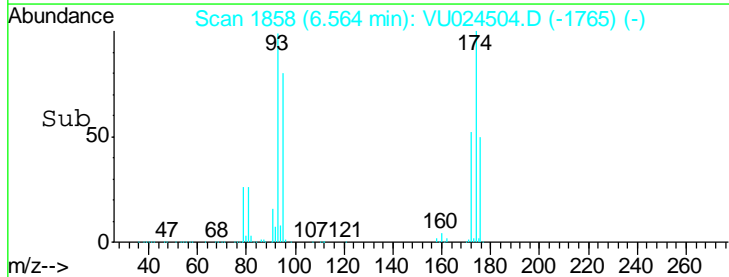
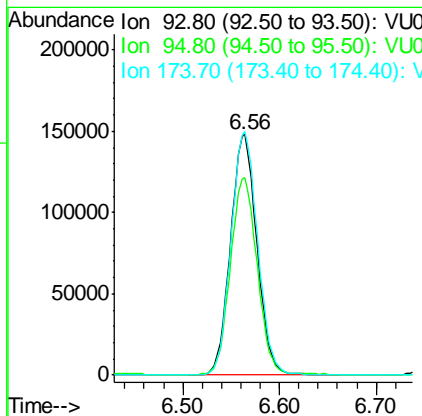
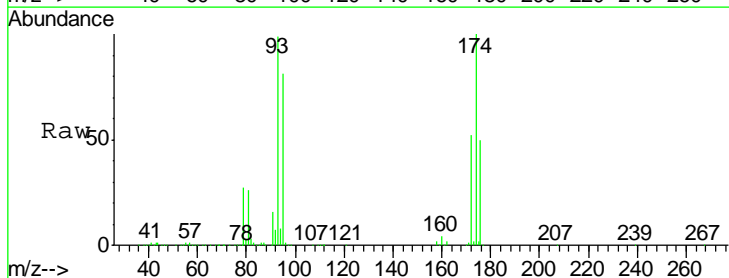
Manual Integrations
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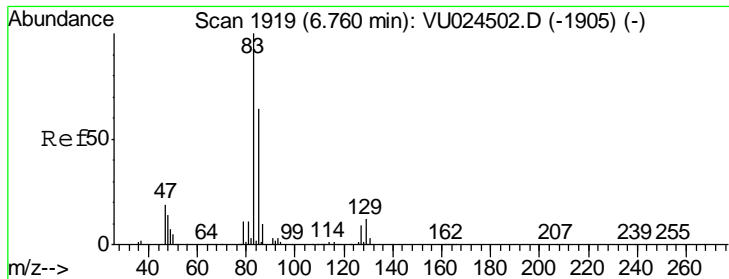
MMDadoda
 6/14/2018 9:44:43 AM



#46
 Dibromomethane
 Concen: 119.812 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

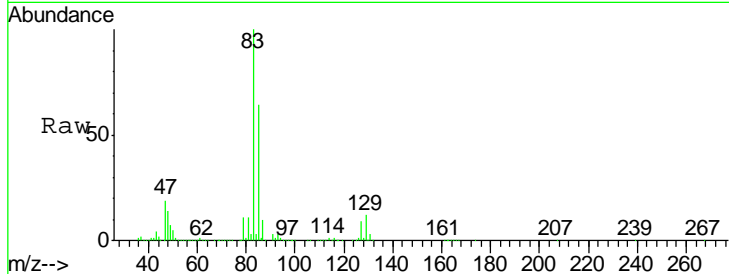
Tgt Ion: 93 Resp: 279326
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.5 98.3
 174 102.3 78.7 118.1





#47
 Bromodichloromethane
 Concen: 122.588 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

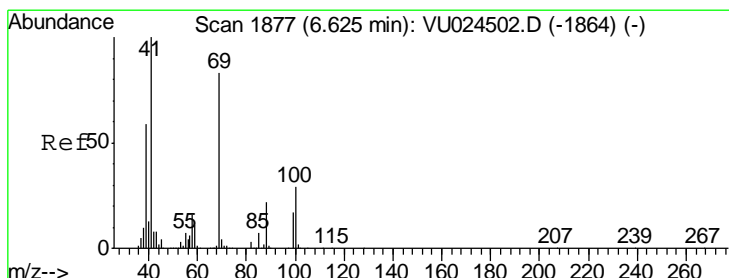
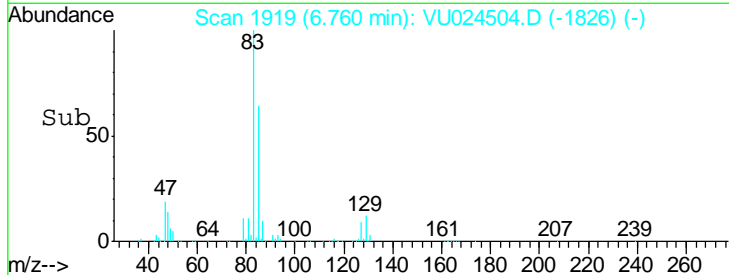
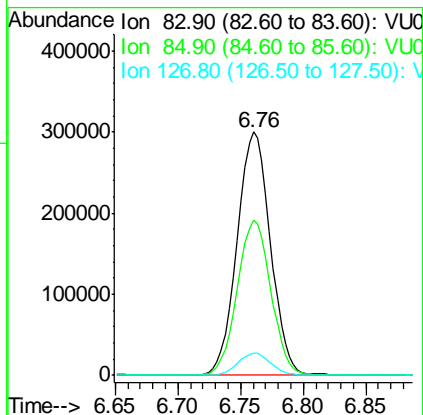
Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC150



Tgt Ion	Resp	Lower	Upper
83	100		
85	63.6	51.9	77.9
127	9.1	6.6	9.8

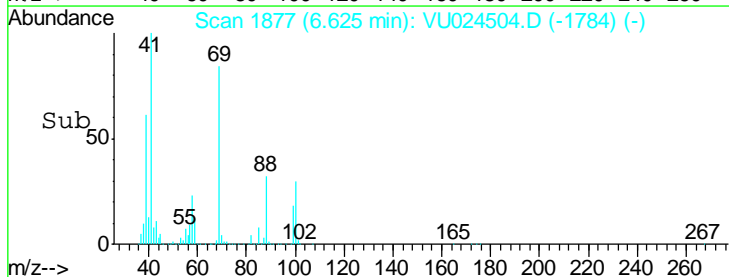
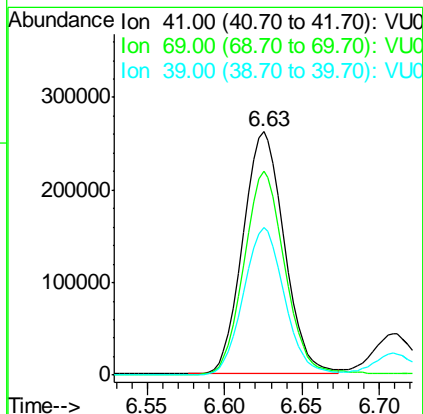
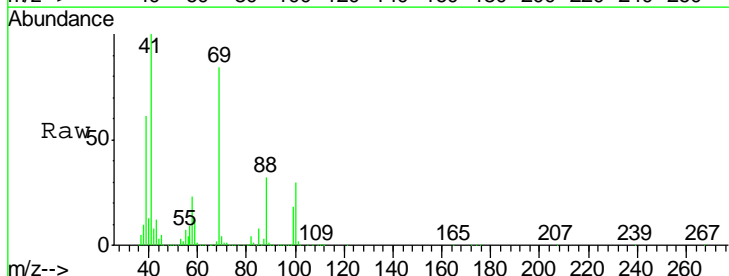
Manual Integrations
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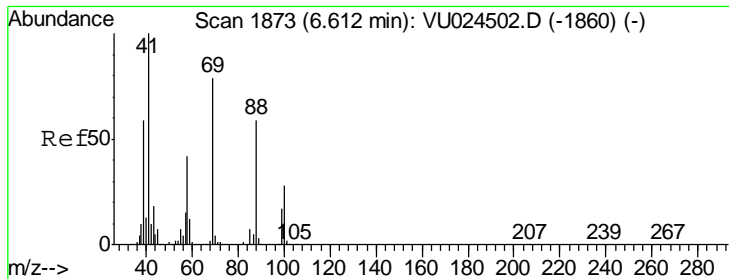
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 6/14/2018 9:44:43 AM



#48
 Methyl methacrylate
 Concen: 133.877 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

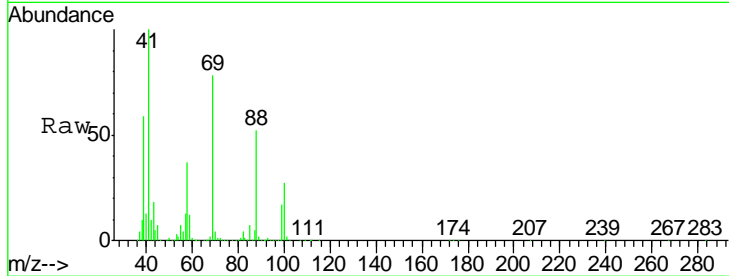
Tgt Ion	Resp	Lower	Upper
41	100		
69	83.2	67.3	100.9
39	60.1	46.5	69.7





#49
 1,4-Dioxane
 Concen: 2616.375 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

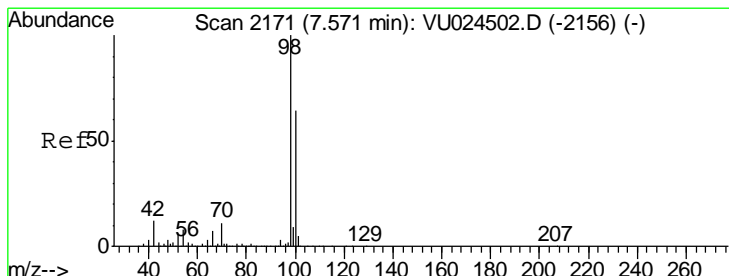
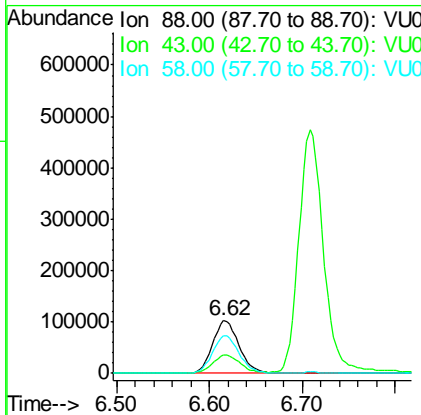
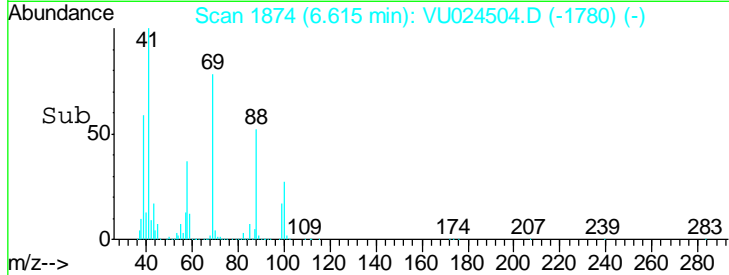
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150



Tgt Ion: 88 Resp: 200874

Ion	Ratio	Lower	Upper
88	100		
43	33.3	28.6	42.8
58	71.8	58.2	87.4

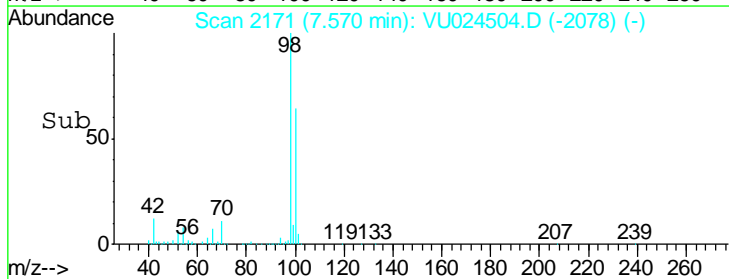
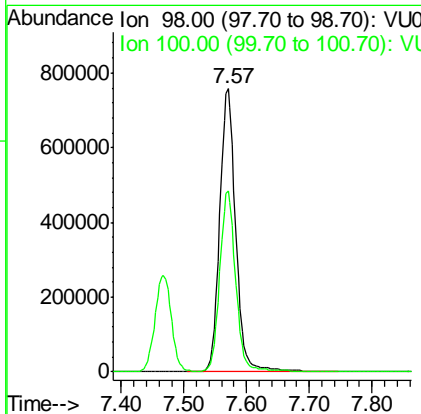
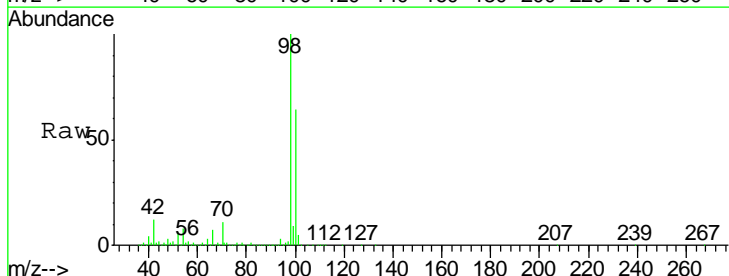
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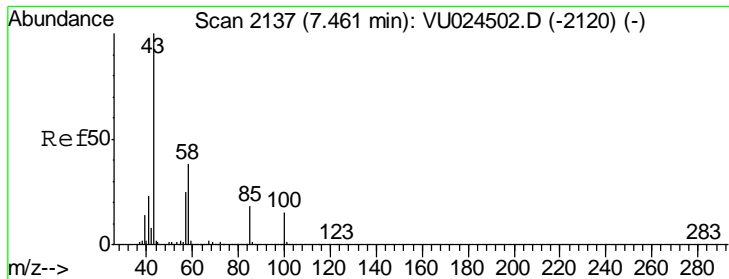


#50
 Toluene-d8
 Concen: 114.828 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion: 98 Resp: 1342614

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.1	76.7





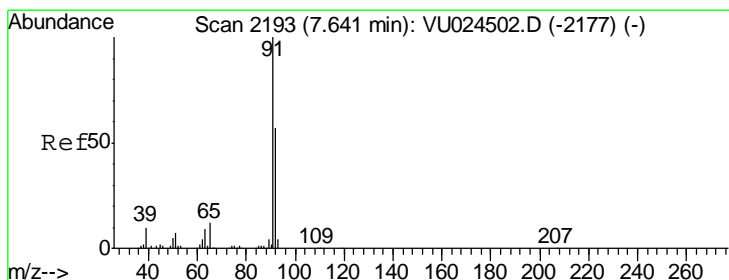
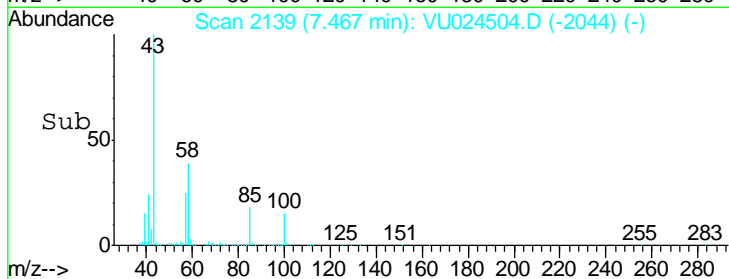
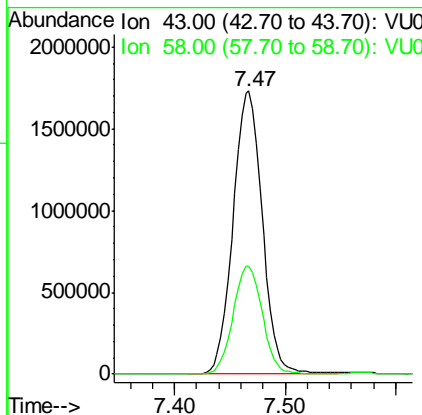
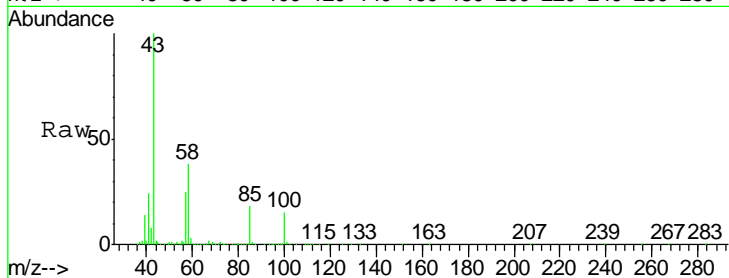
#51
 4-Methyl-2-Pentanone
 Concen: 593.104 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.01 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.4	30.0	45.0

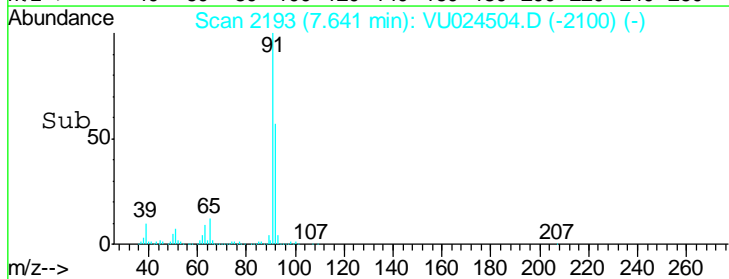
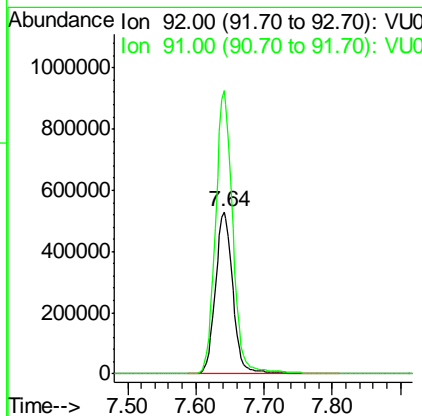
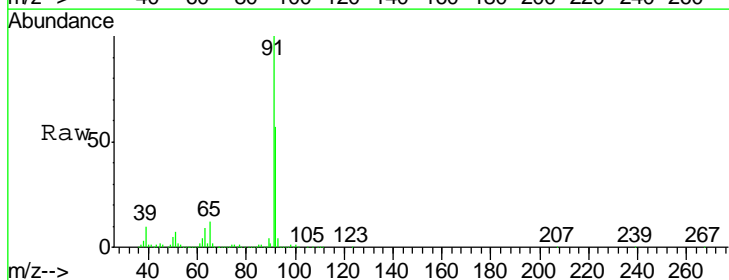
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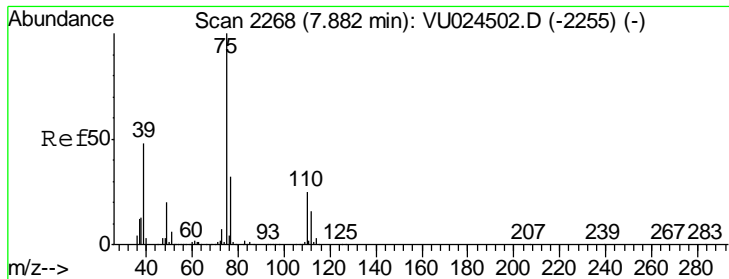
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#52
 Toluene
 Concen: 121.327 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
92	100		
91	173.4	140.5	210.7





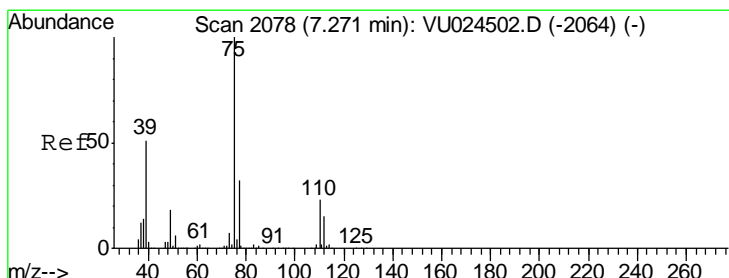
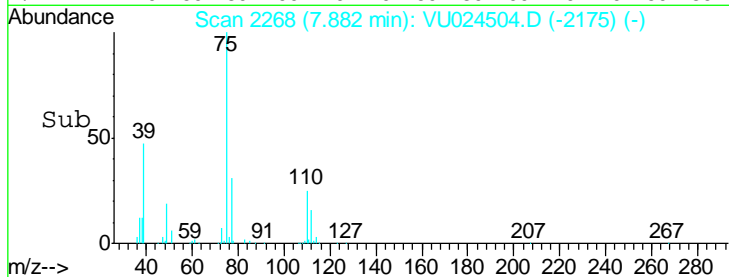
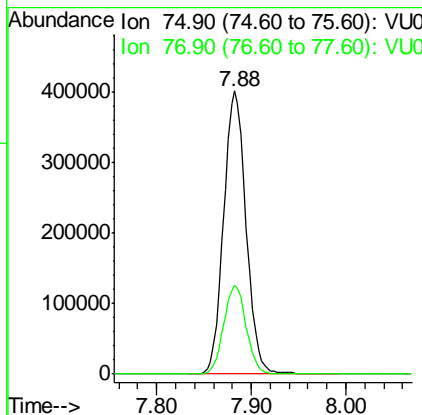
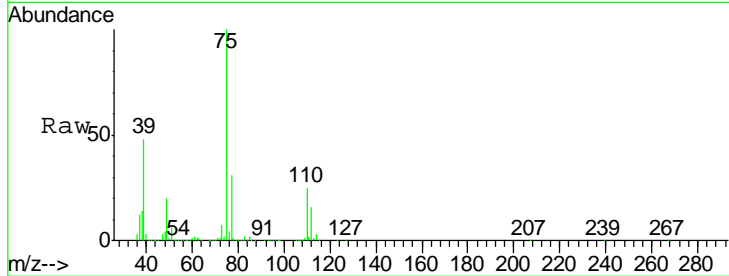
#53
 t-1,3-Dichloropropene
 Concen: 141.207 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.4	24.8	37.2

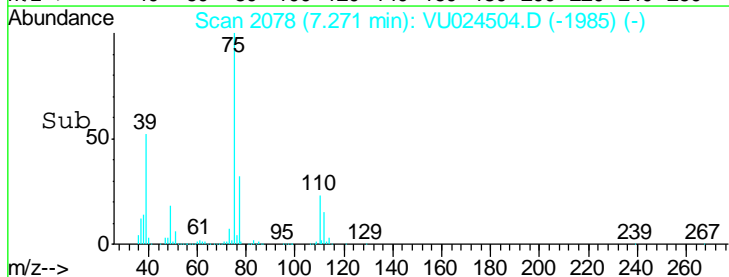
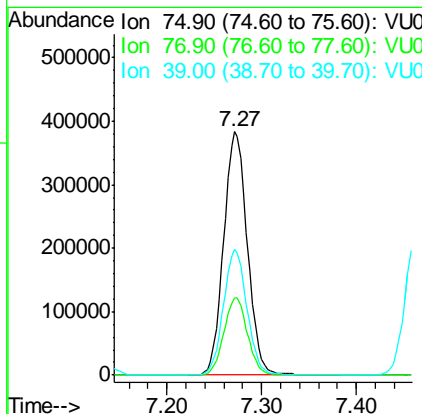
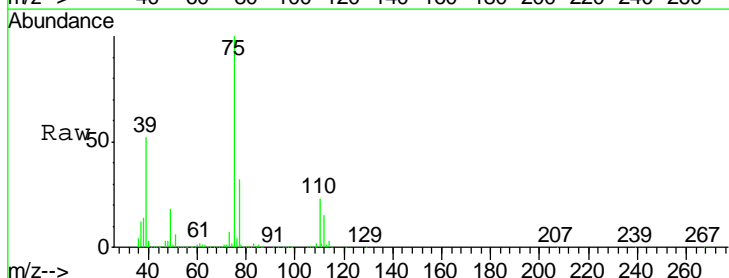
Manual Integrations
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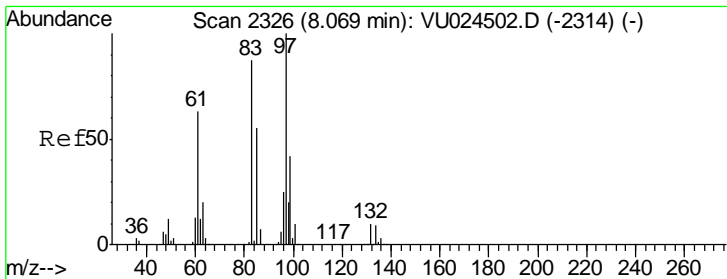
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#54
 cis-1,3-Dichloropropene
 Concen: 130.377 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

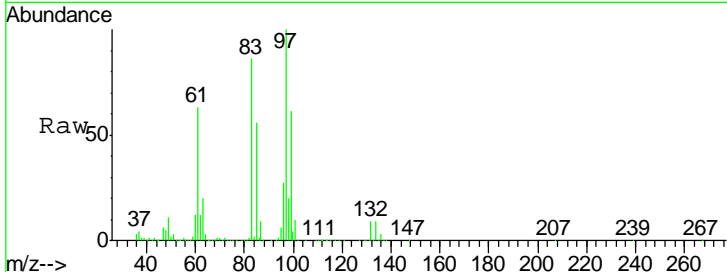
Tgt Ion	Resp	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	51.5	39.8	59.6





#55
 1,1,2-Trichloroethane
 Concen: 115.631 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150

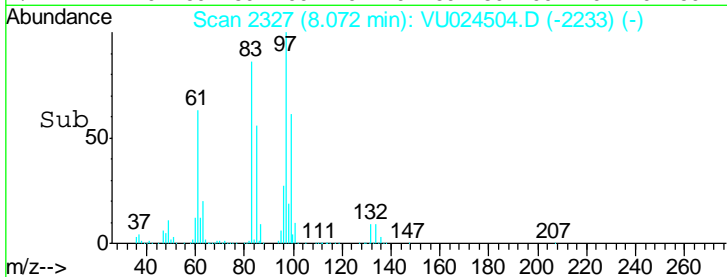
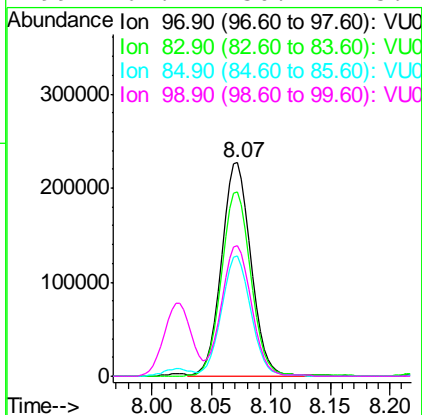


Tgt Ion: 97 Resp: 385751

Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.5	105.7
85	56.0	46.4	69.6
99	61.2	50.2	75.2

Manual Integrations
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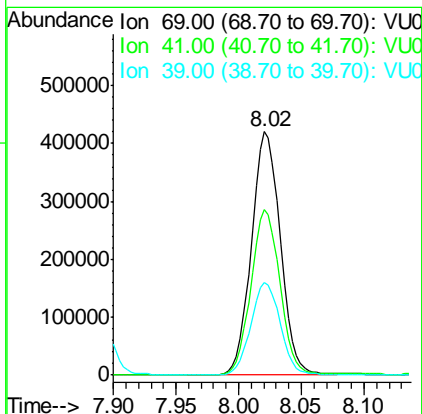
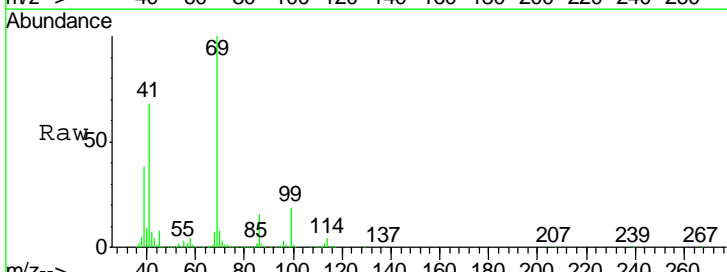
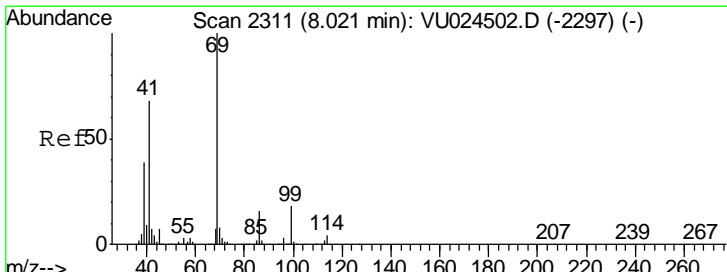
MMDadoda
 6/14/2018 9:44:43 AM

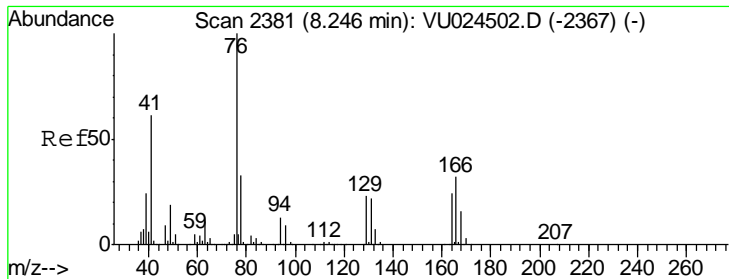


#56
 Ethyl methacrylate
 Concen: 154.973 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion: 69 Resp: 673809

Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.1	81.1
39	38.6	30.3	45.5





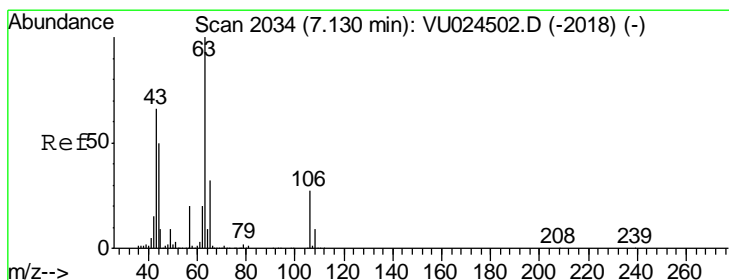
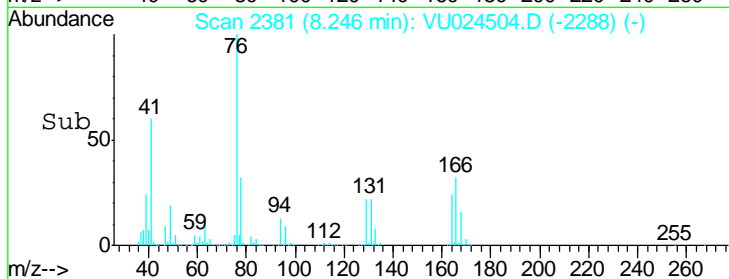
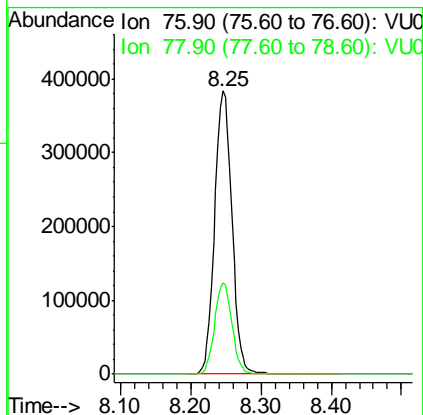
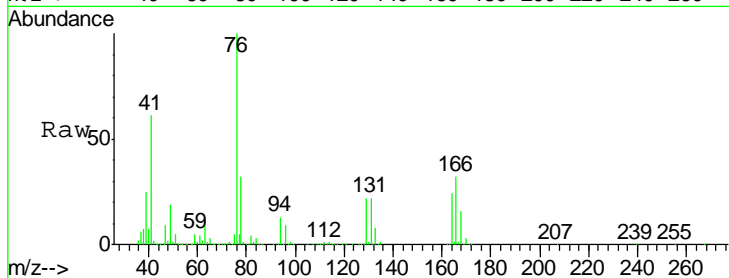
#57
 1,3-Dichloropropane
 Concen: 113.946 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
76	652798		
76	100		
78	32.4	25.2	37.8

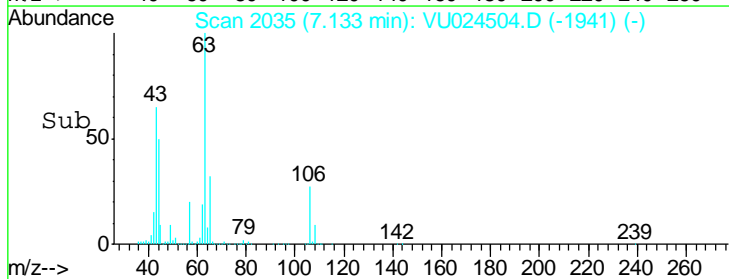
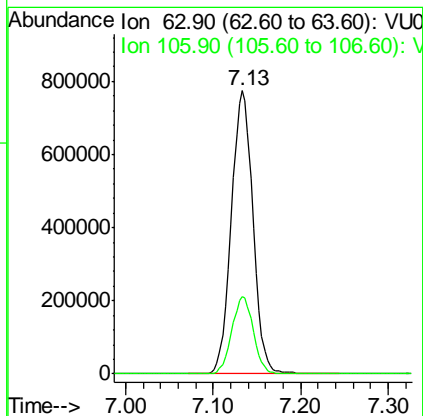
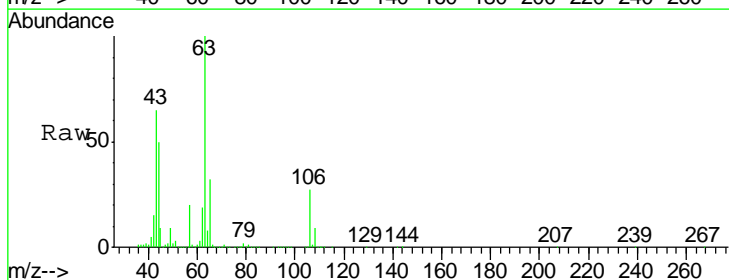
Manual Integrations
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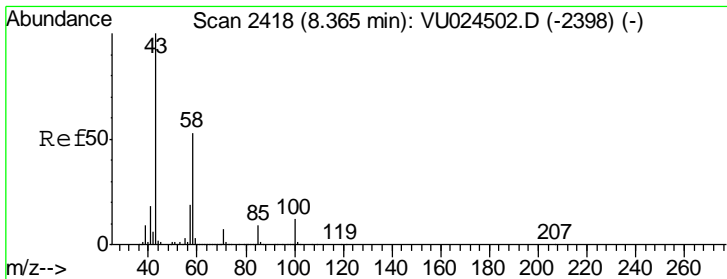
MMDadoda
 6/14/2018 9:44:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 594.135 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
63	1328598		
63	100		
106	27.2	20.2	30.2





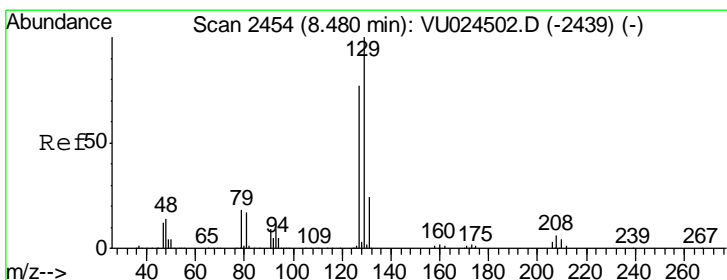
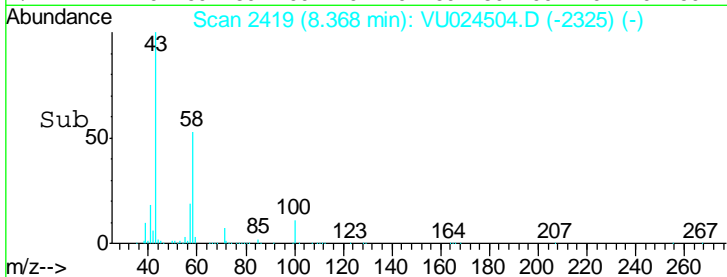
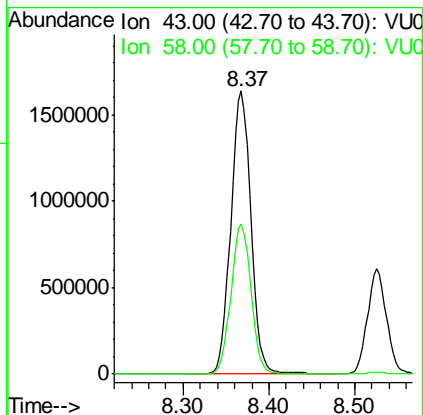
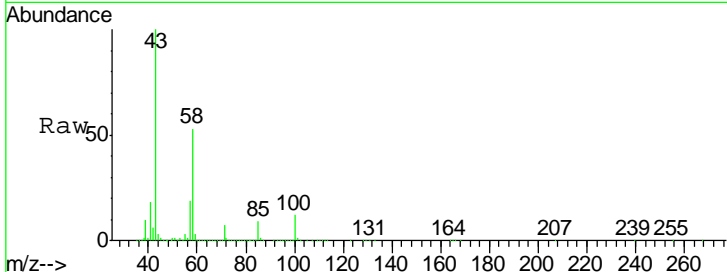
#59
 2-Hexanone
 Concen: 618.561 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion: 43 Resp: 2650445
 Ion Ratio Lower Upper
 43 100
 58 53.1 26.4 79.0

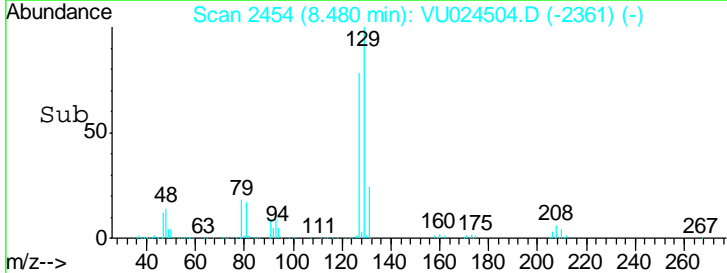
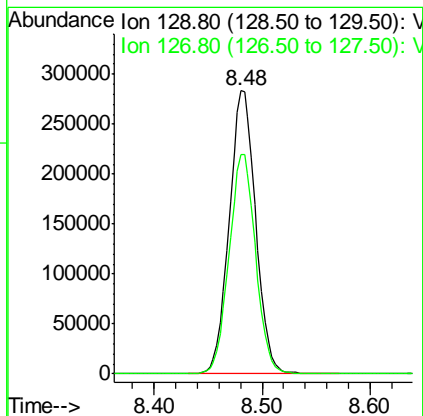
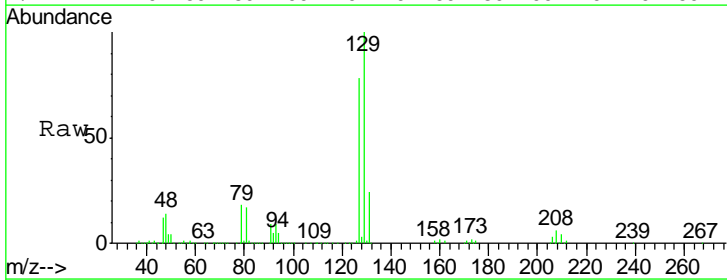
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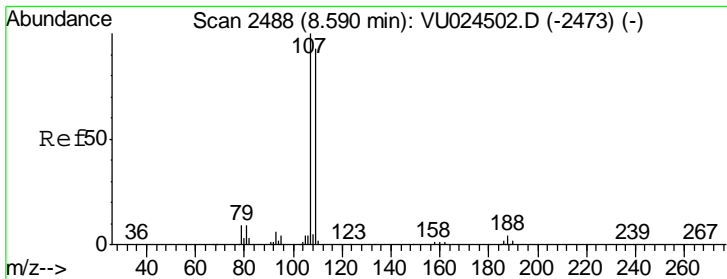
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 6/14/2018 9:44:43 AM



#60
 Dibromochloromethane
 Concen: 143.608 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion: 129 Resp: 486109
 Ion Ratio Lower Upper
 129 100
 127 77.5 38.6 116.0





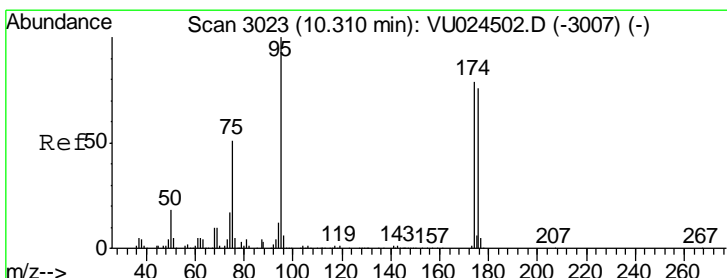
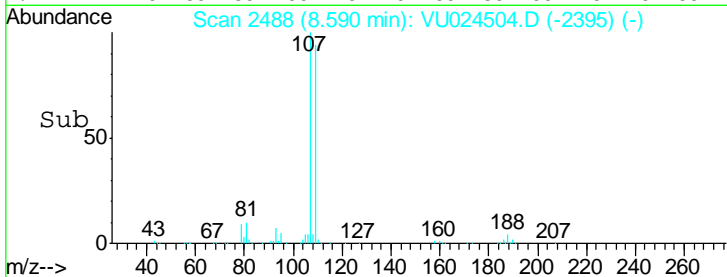
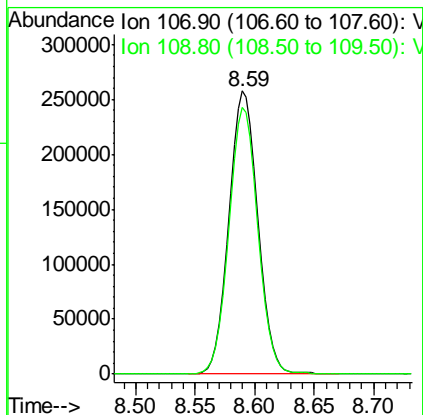
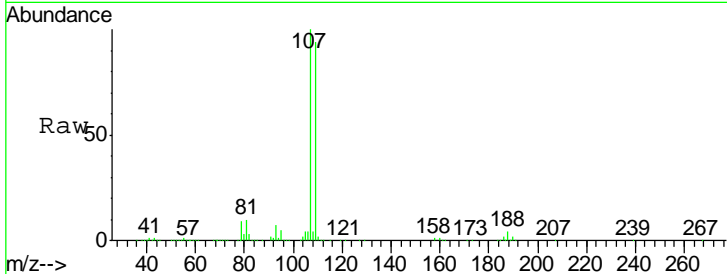
#61
 1,2-Dibromoethane
 Concen: 124.362 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.1	74.5	111.7

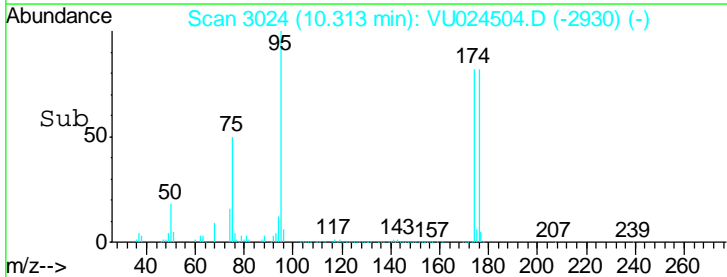
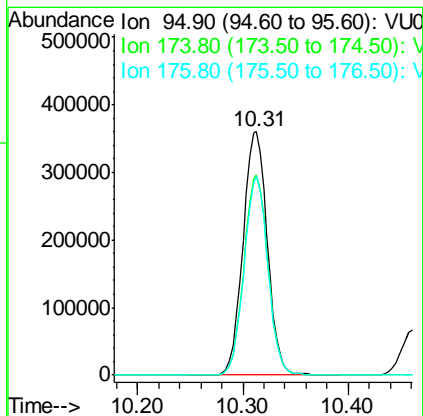
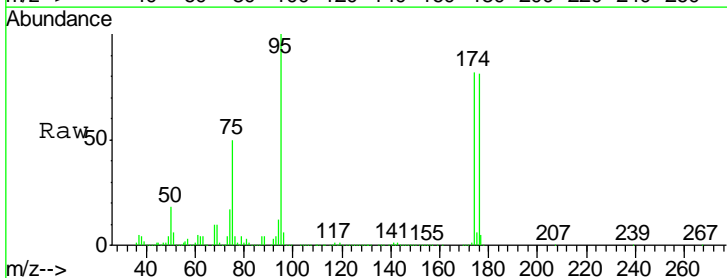
Manual Integrations
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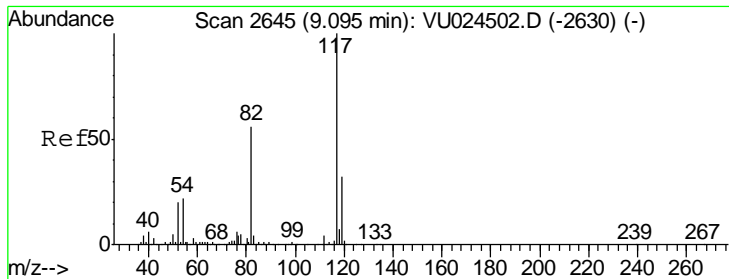
MMDadoda
 6/14/2018 9:44:43 AM



#62
 4-Bromofluorobenzene
 Concen: 134.858 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

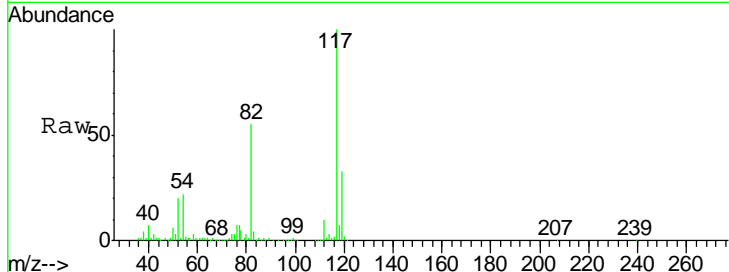
Tgt Ion	Resp	Lower	Upper
95	100		
174	81.8	0.0	165.8
176	80.0	0.0	159.4





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

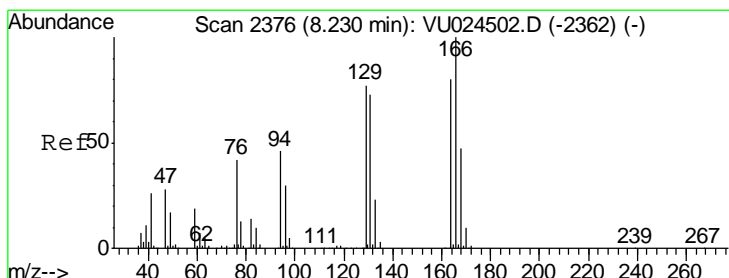
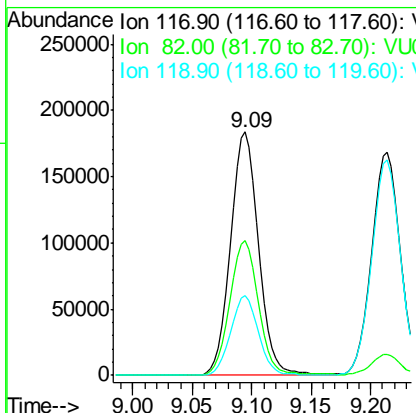
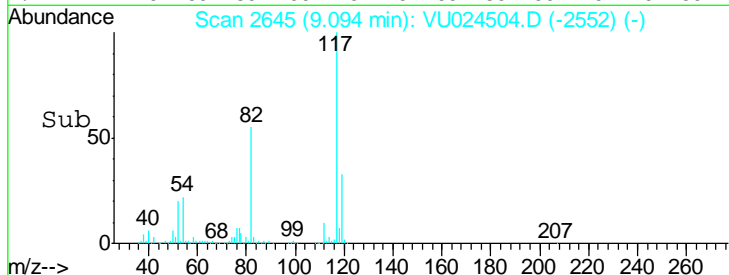


Tgt Ion: 117 Resp: 301137

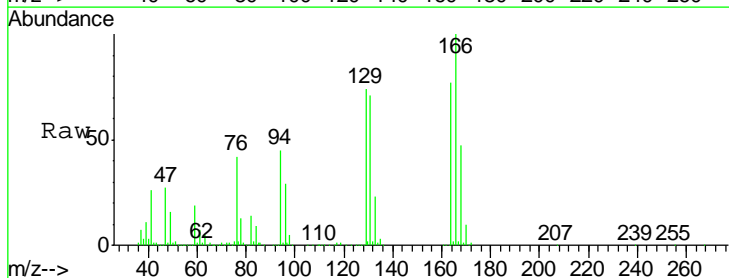
Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.3	66.5
119	32.7	25.4	38.2

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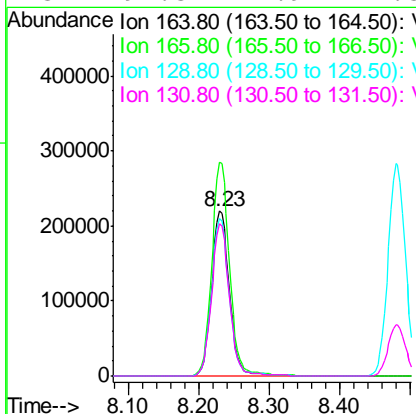
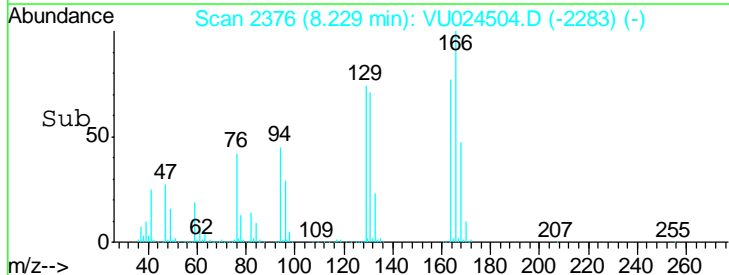


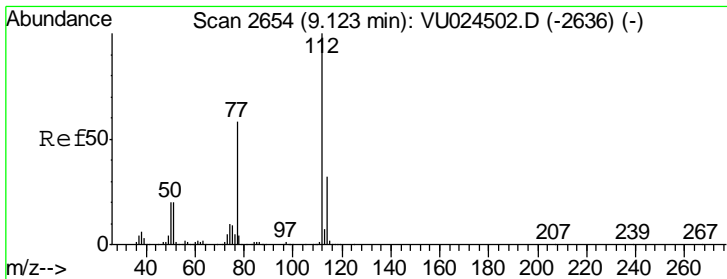
#64
 Tetrachloroethene
 Concen: 128.643 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28



Tgt Ion: 164 Resp: 385106

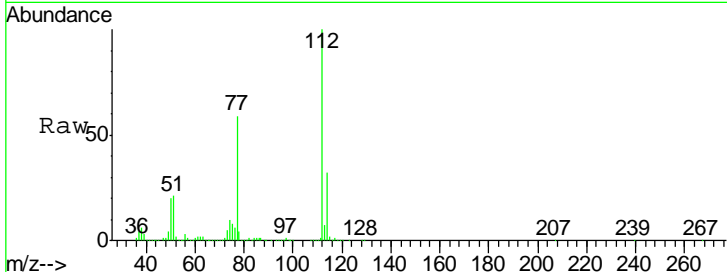
Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.7	152.5
129	95.5	76.9	115.3
131	92.3	74.9	112.3





#65
 Chlorobenzene
 Concen: 125.425 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

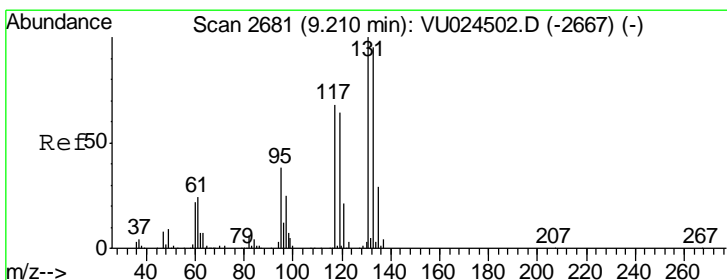
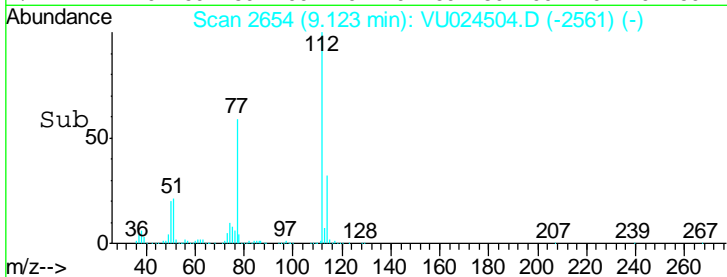
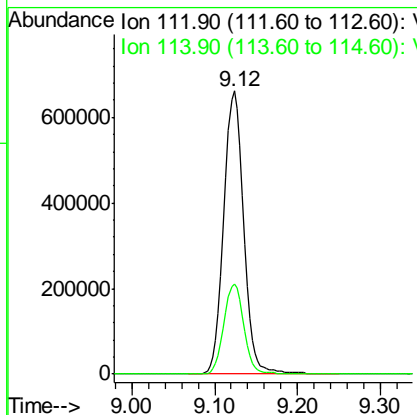
Instrument : MSVOA_U
 ClientSampled : VSTDIC150



Tgt Ion:112 Resp: 1099160
 Ion Ratio Lower Upper
 112 100
 114 32.0 25.6 38.4

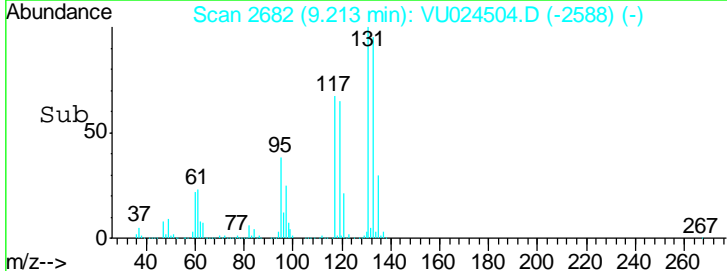
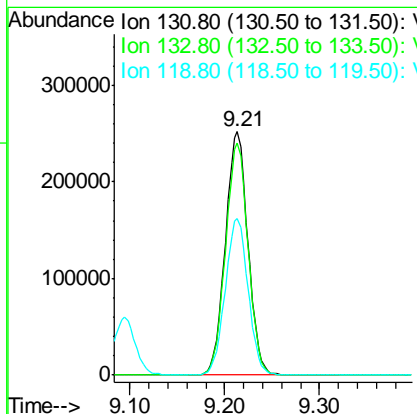
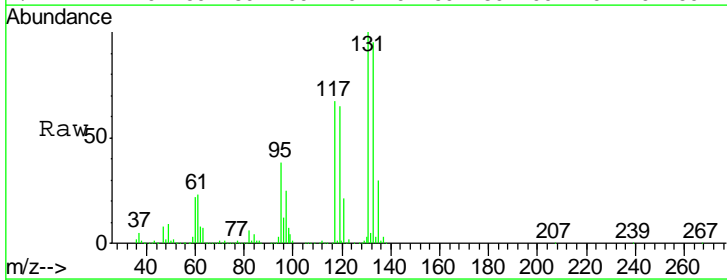
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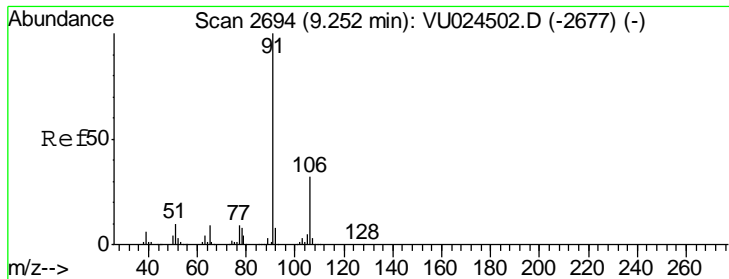
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 138.871 ug/l
 RT: 9.21 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

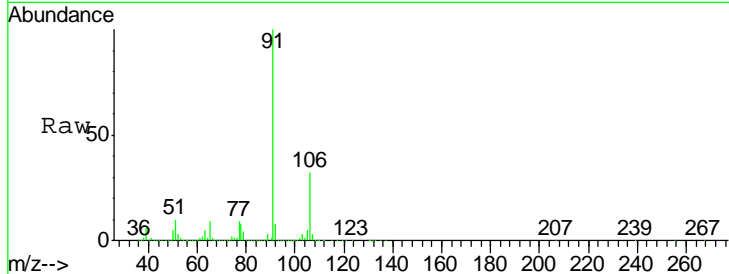
Tgt Ion:131 Resp: 417723
 Ion Ratio Lower Upper
 131 100
 133 95.4 46.9 140.8
 119 64.9 33.5 100.4





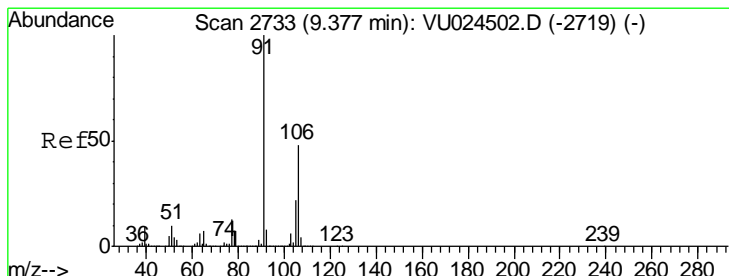
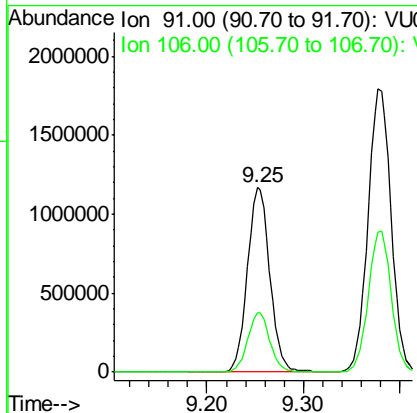
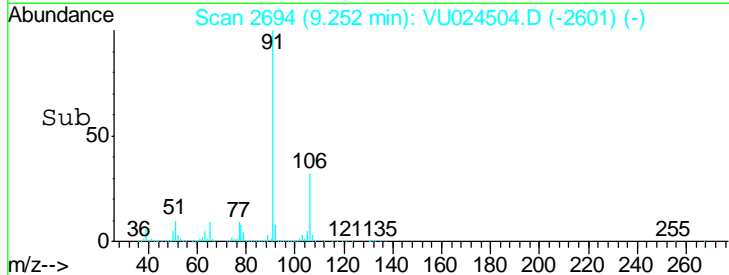
#67
 Ethyl Benzene
 Concen: 133.221 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150

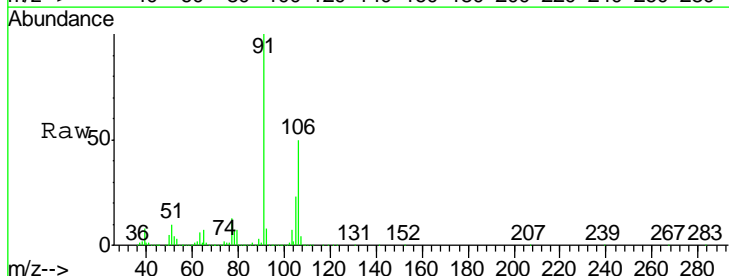


Tgt Ion: 91 Resp: 1882404
 Ion Ratio Lower Upper
 91 100
 106 32.1 24.2 36.4

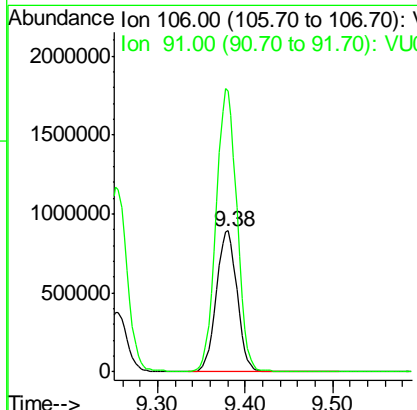
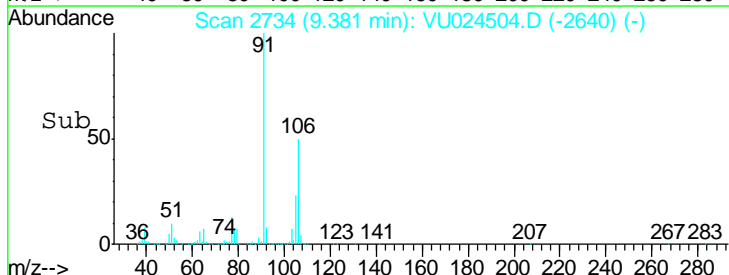
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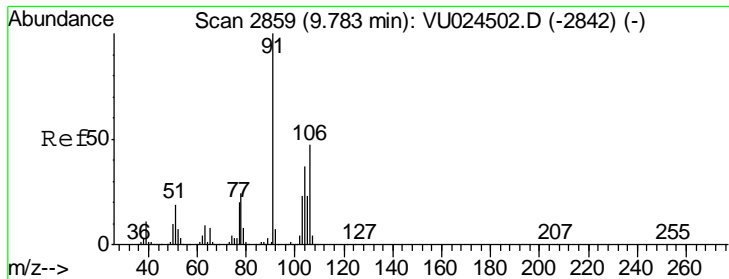


#68
 m/p-Xylenes
 Concen: 273.761 ug/l
 RT: 9.38 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28



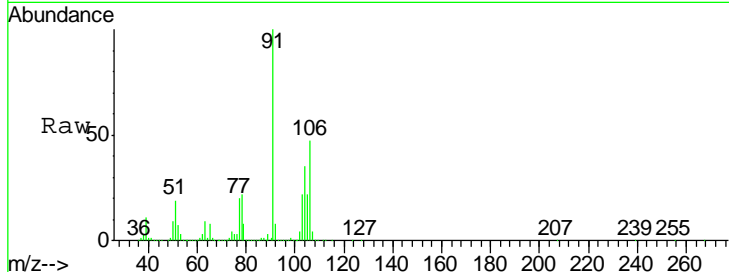
Tgt Ion: 106 Resp: 1473528
 Ion Ratio Lower Upper
 106 100
 91 202.1 166.5 249.7





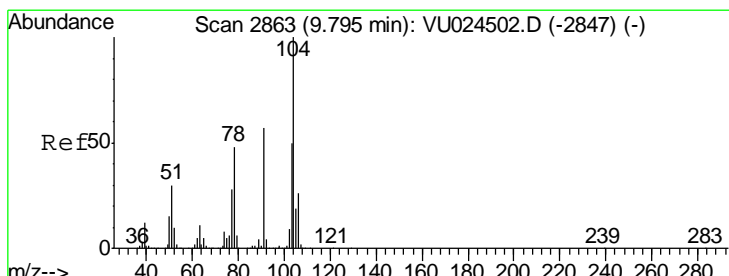
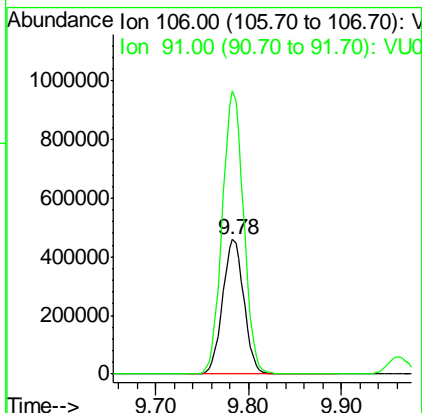
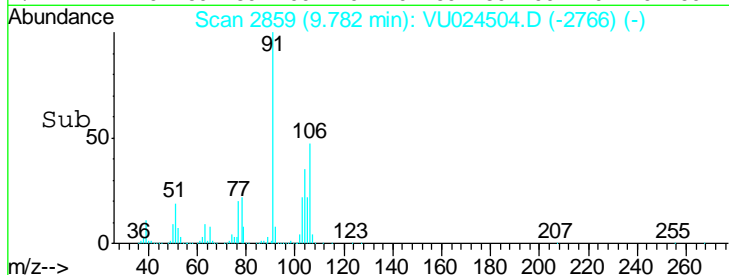
#69
 o-Xylene
 Concen: 146.779 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

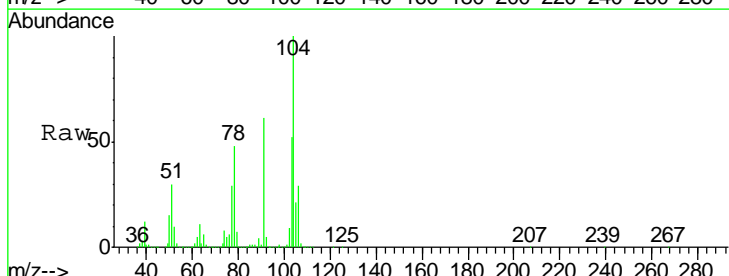


Tgt Ion	Resp	Lower	Upper
106	728219		
106	100		
91	211.9	110.7	331.9

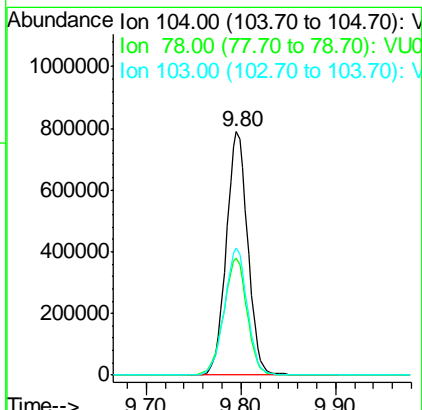
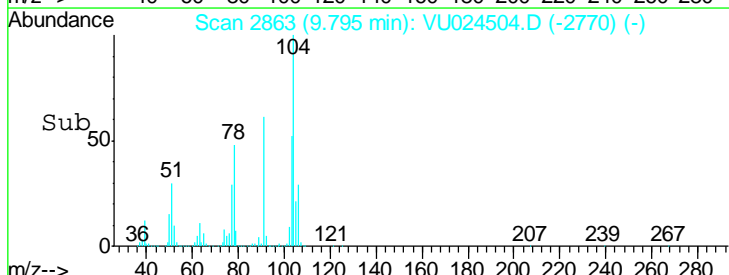
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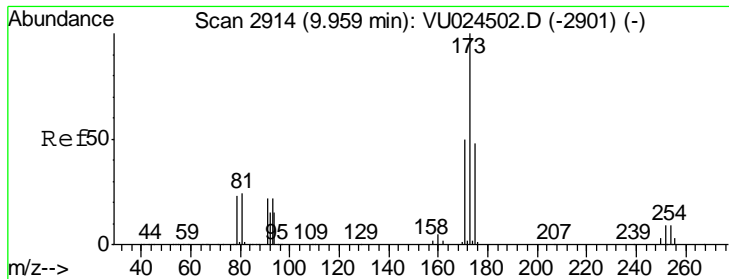


#70
 Styrene
 Concen: 147.674 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28



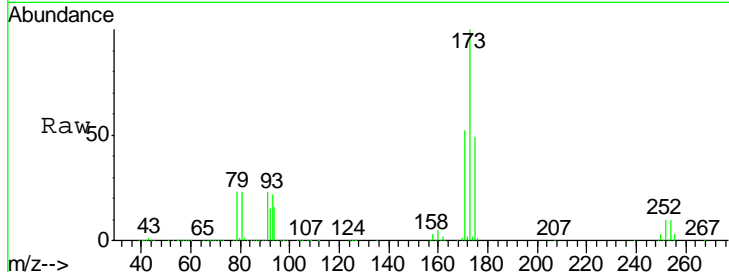
Tgt Ion	Resp	Lower	Upper
104	1247481		
104	100		
78	52.2	40.6	60.8
103	55.3	44.7	67.1





#71
 Bromoform
 Concen: 165.815 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

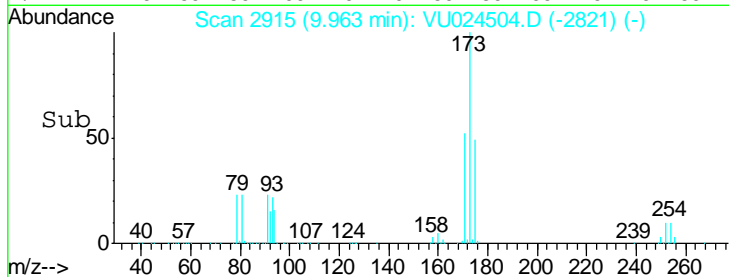
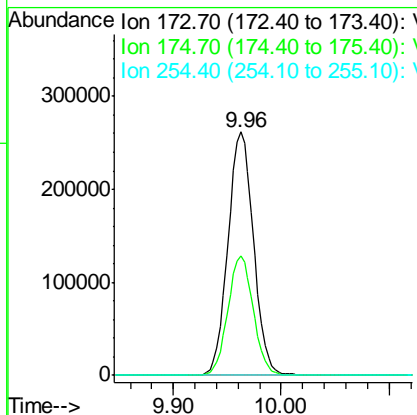
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC150



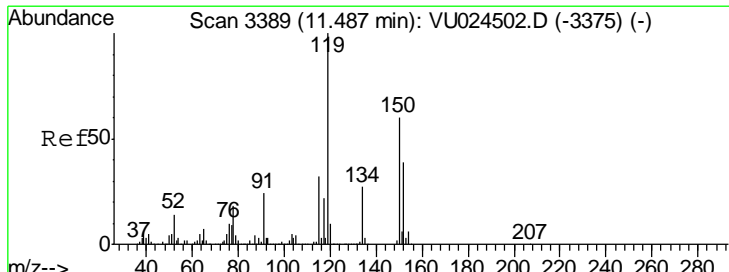
Tgt Ion	Resp	Lower	Upper
173	100		
175	48.7	24.6	74.0
254	0.1	0.0	0.0#

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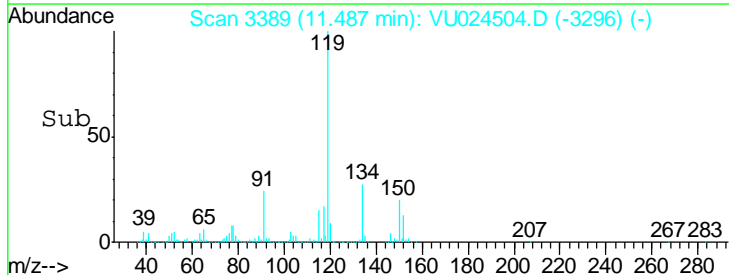
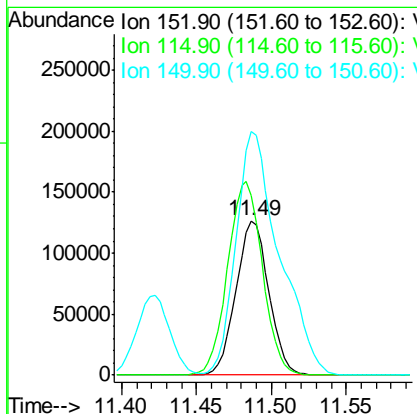
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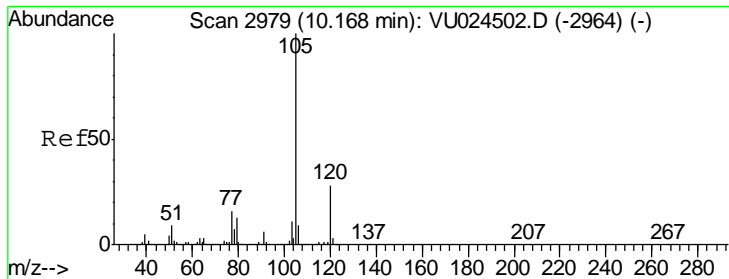


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28



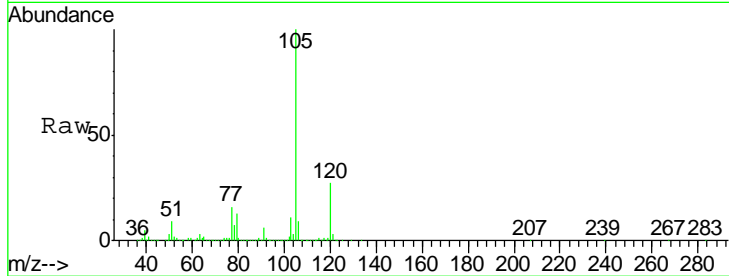
Tgt Ion	Resp	Lower	Upper
152	100		
115	132.4	43.0	129.0#
150	208.9	0.0	354.0





#73
 Isopropylbenzene
 Concen: 148.015 ug/l
 RT: 10.17 min Scan# 2980
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

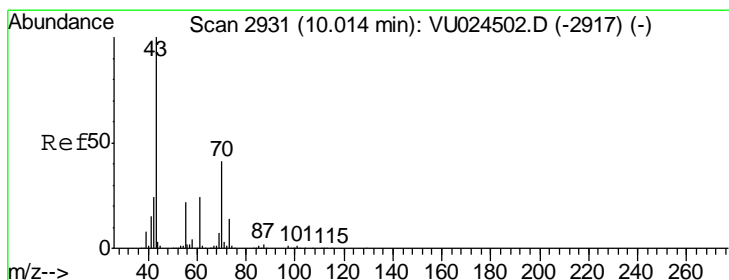
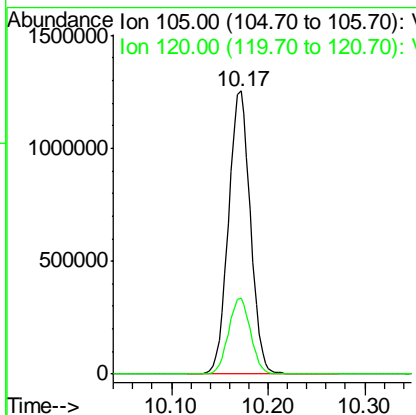
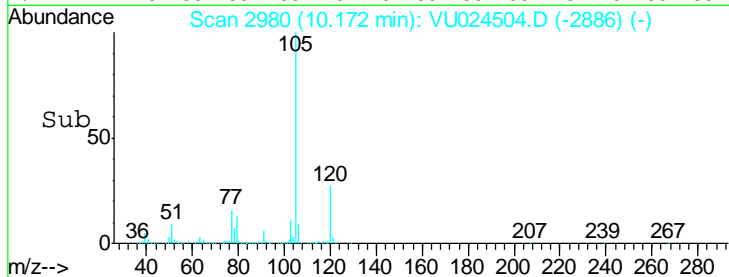


Tgt Ion: 105 Resp: 1970017

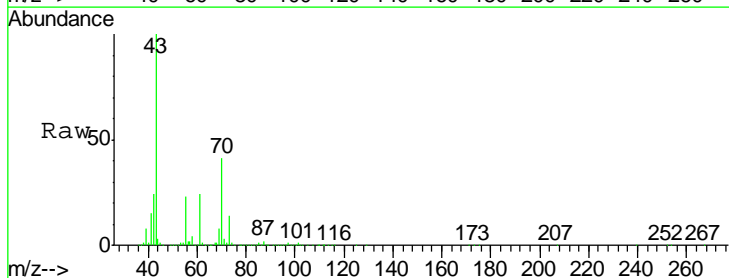
Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.2	39.6

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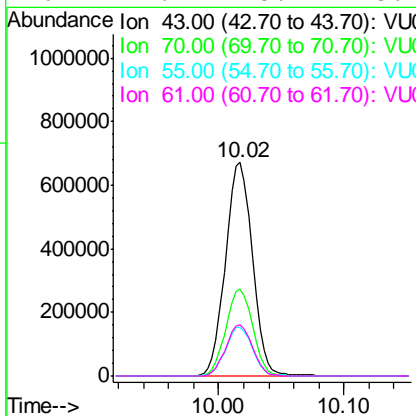
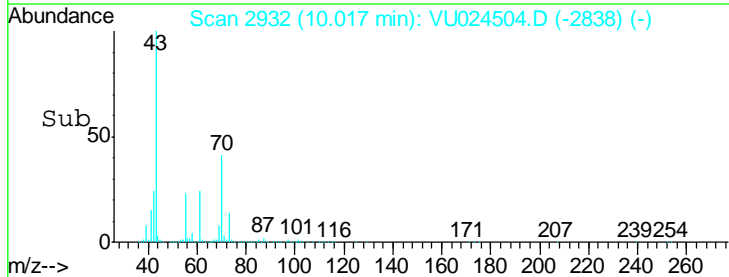


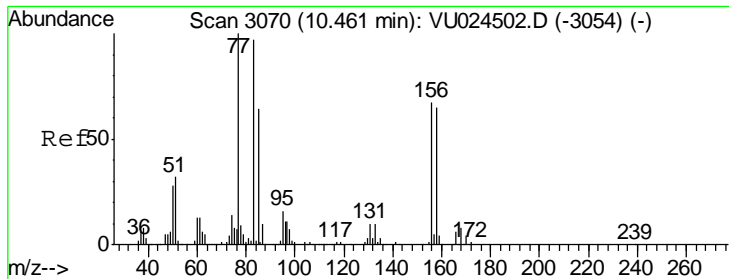
#74
 N-aryl acetate
 Concen: 165.104 ug/l
 RT: 10.02 min Scan# 2932
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28



Tgt Ion: 43 Resp: 994659

Ion	Ratio	Lower	Upper
43	100		
70	40.8	32.2	48.4
55	22.7	20.5	30.7
61	24.1	18.7	28.1





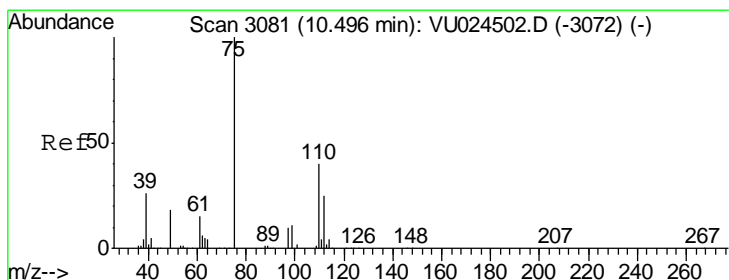
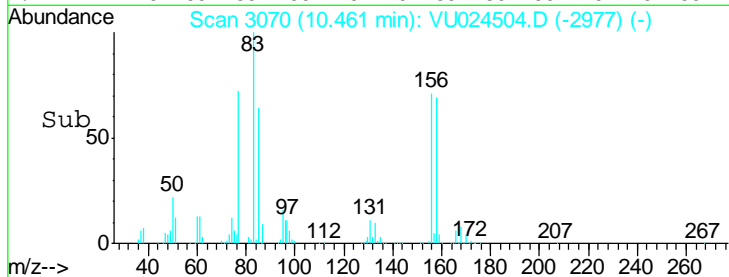
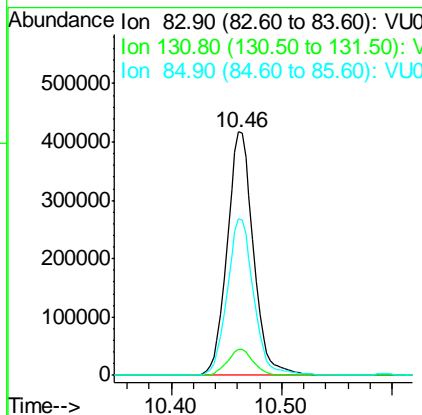
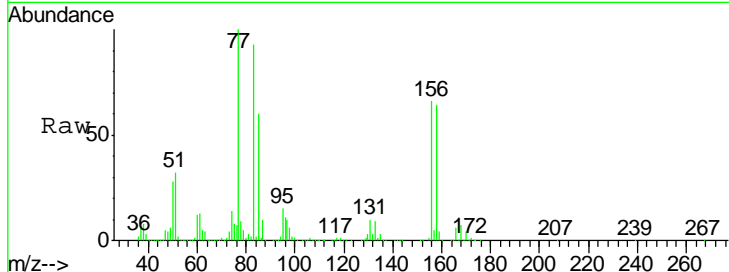
#75
 1,1,2,2-Tetrachloroethane
 Concen: 118.645 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.5	4.7	14.1
85	64.9	32.5	97.5

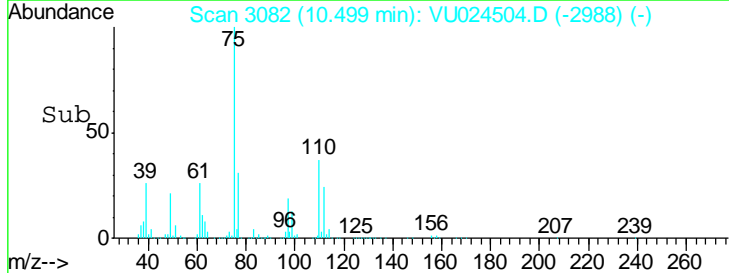
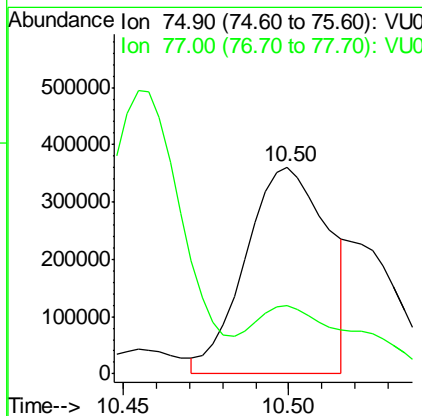
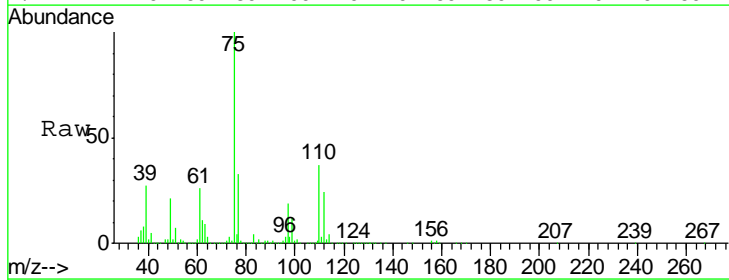
Manual Integrations
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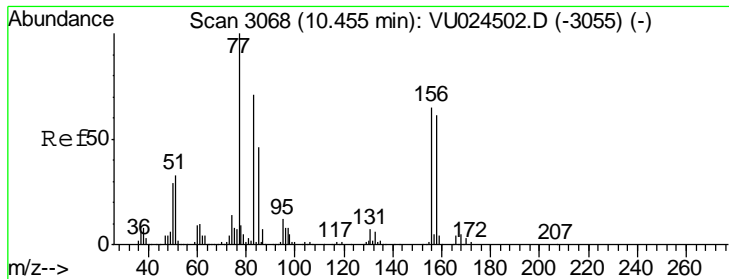
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#76
 1,2,3-Trichloropropane
 Concen: 153.334 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

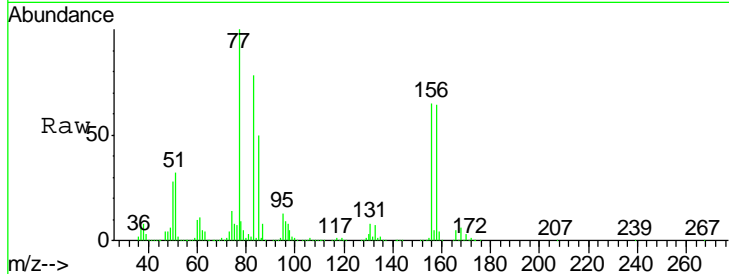
Tgt Ion	Resp	Lower	Upper
75	100		
77	43.2	20.9	62.7





#77
 Bromobenzene
 Concen: 140.440 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

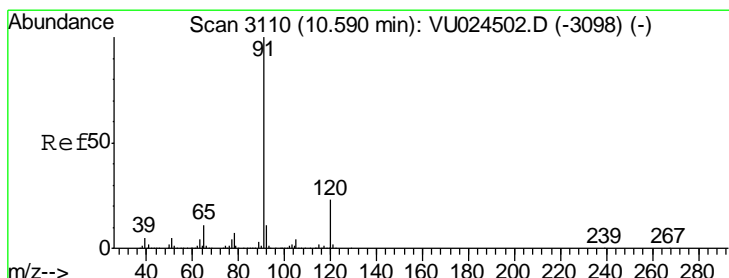
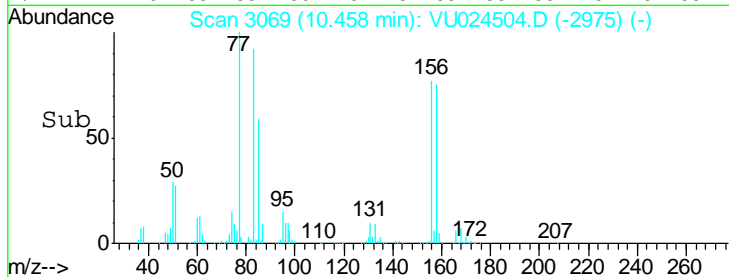
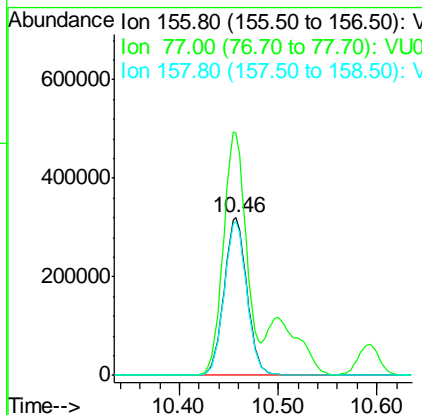
Instrument : MSVOA_U
 Client Sampled : VSTDIC150



Tgt Ion	Resp	Lower	Upper
156	517586		
77	156.8	80.5	241.3
158	97.3	48.2	144.6

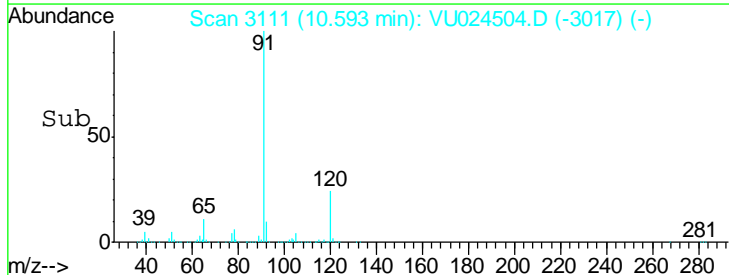
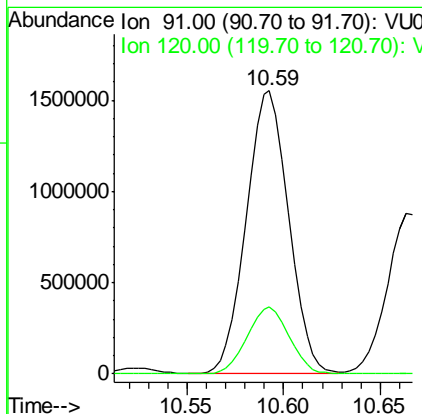
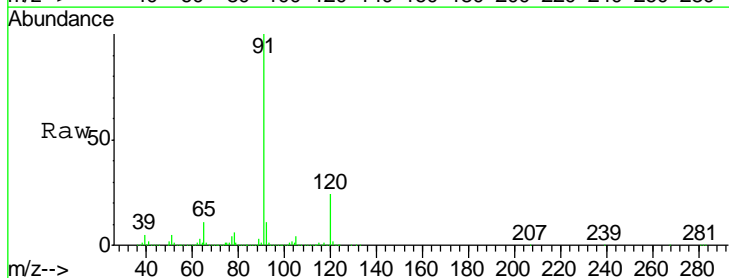
Manual Integrations
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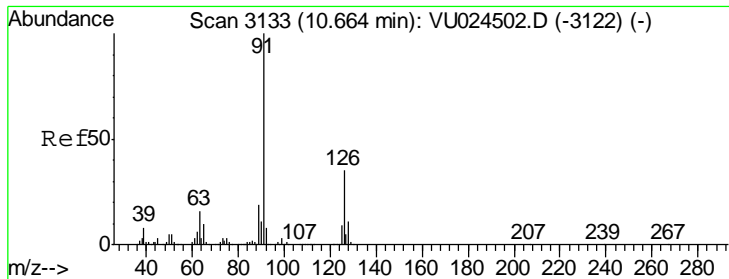
MMDadoda
 6/14/2018 9:44:43 AM



#78
 n-propylbenzene
 Concen: 142.968 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
91	2359120		
120	23.7	11.2	33.5





#79
 2-Chlorotoluene
 Concen: 138.141 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

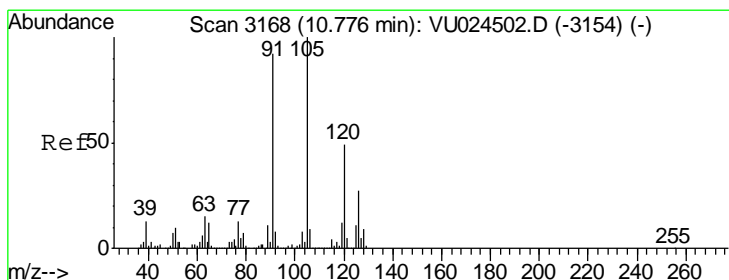
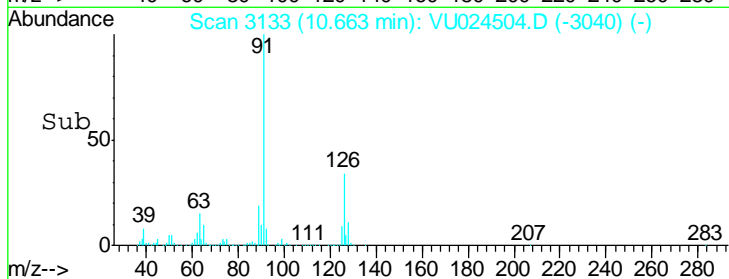
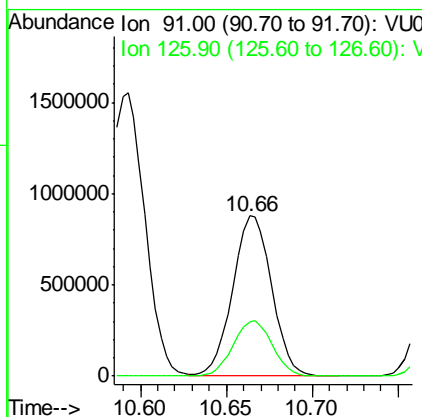
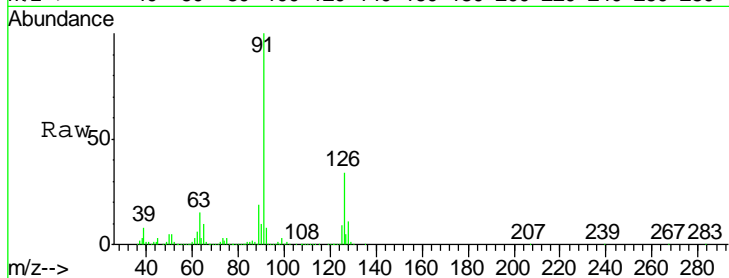
Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion: 91 Resp: 1383608

Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.9	50.7

Manual Integrations
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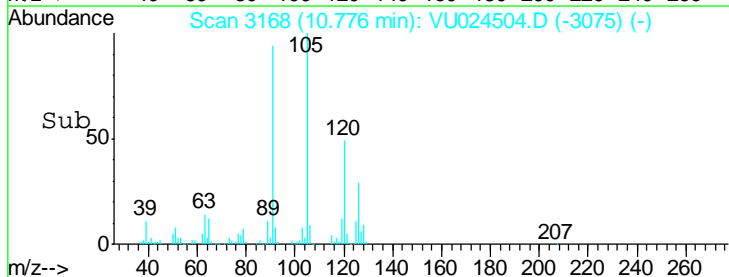
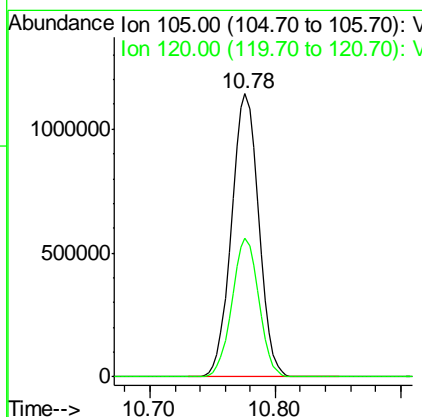
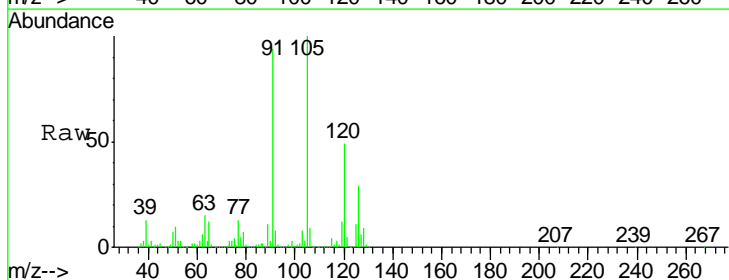
MMDadoda
 6/14/2018 9:44:43 AM

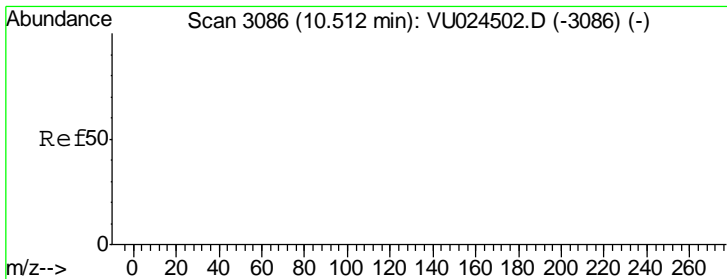


#80
 1,3,5-Trimethylbenzene
 Concen: 152.143 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion: 105 Resp: 1717267

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.1	72.2





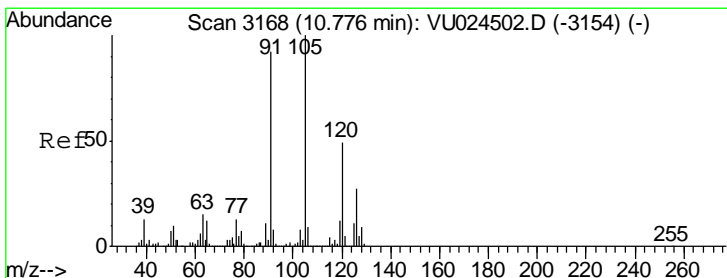
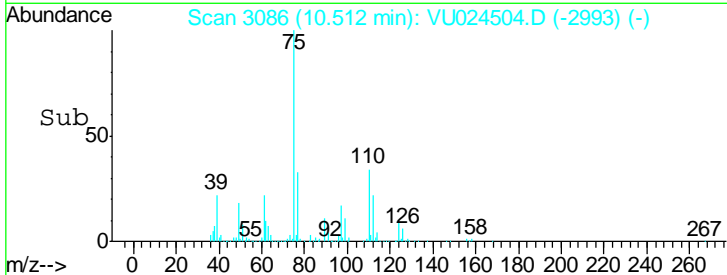
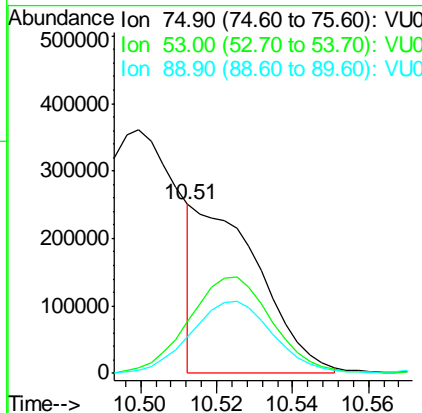
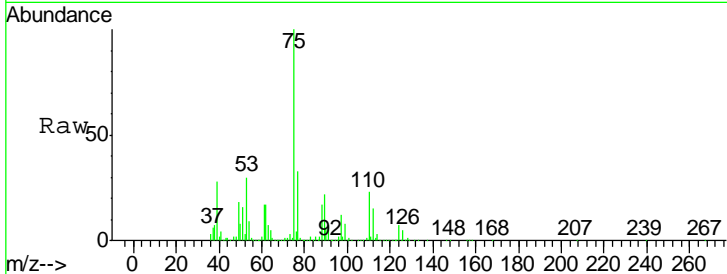
#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.562 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 ClientSampled : VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

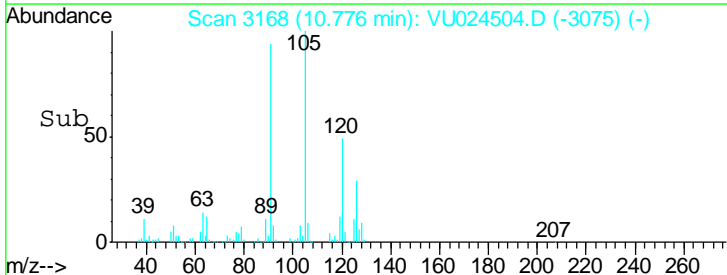
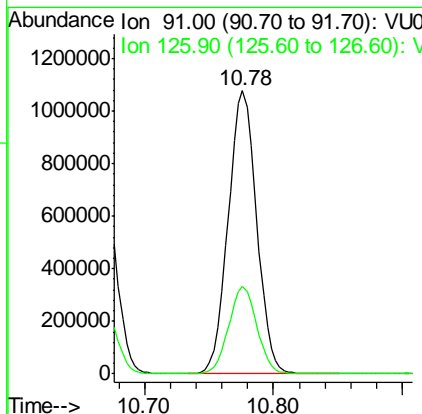
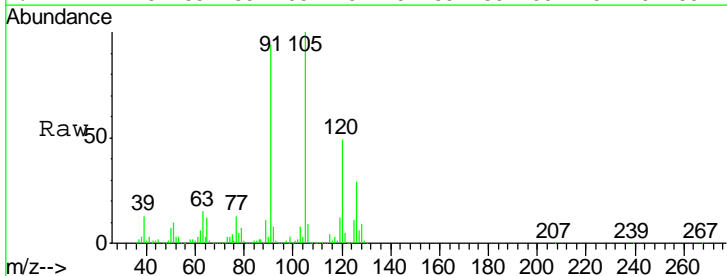
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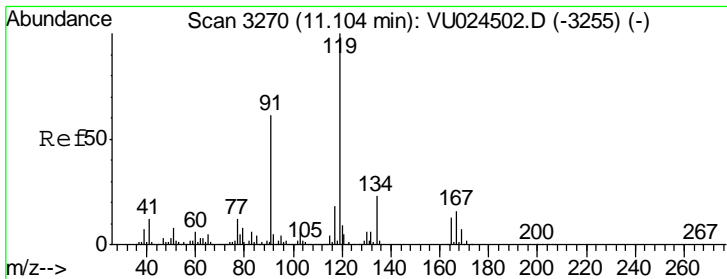
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 6/14/2018 9:44:43 AM



#82
 4-Chlorotoluene
 Concen: 141.541 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

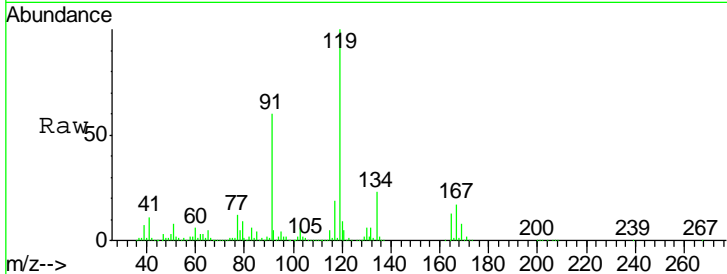
Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.9	44.9





#83
 tert-Butylbenzene
 Concen: 152.597 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

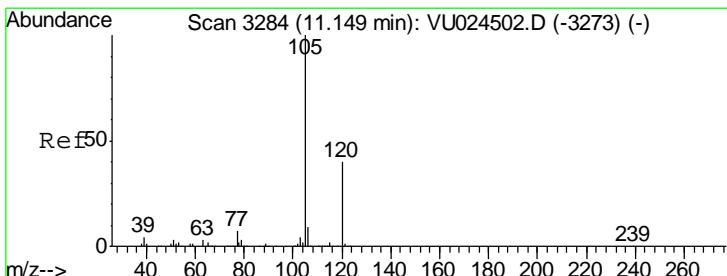
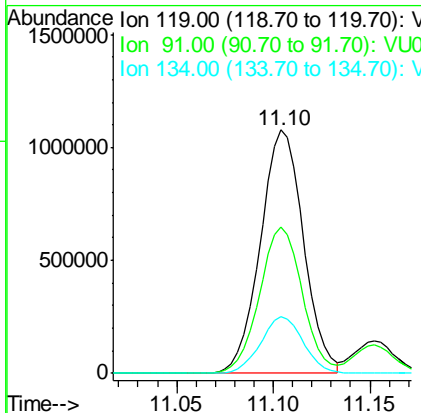
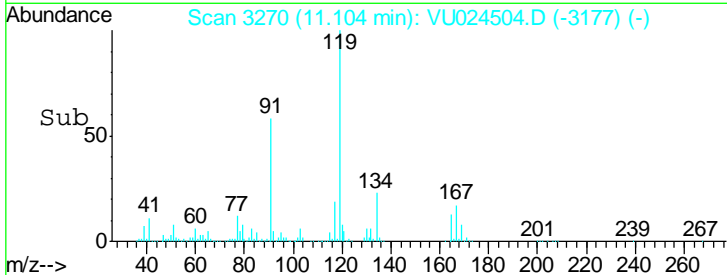
Instrument : MSVOA_U
 Client Sampled : VSTDIC150



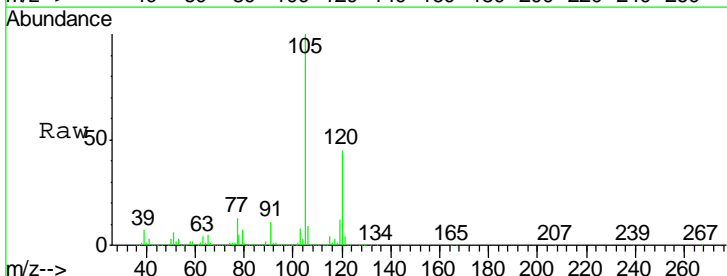
Tgt Ion: 119 Resp: 1676629

Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.7	89.1
134	23.0	11.6	34.7

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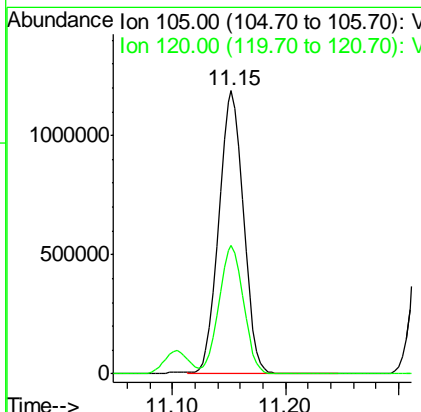
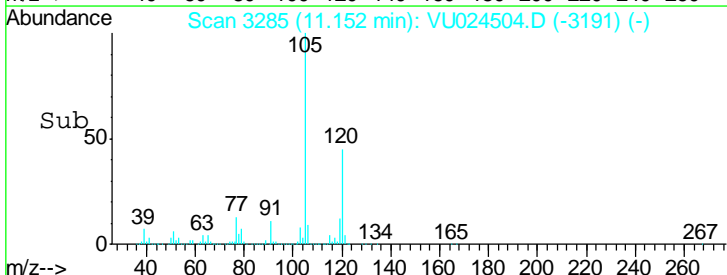


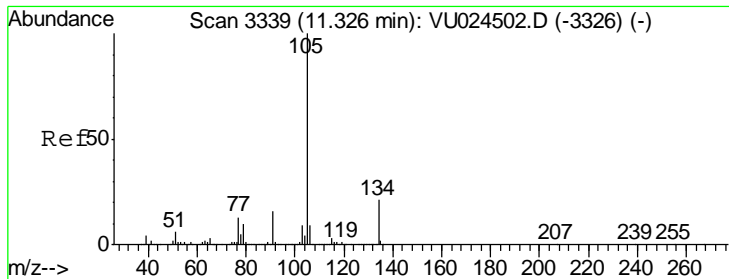
#84
 1,2,4-Trimethylbenzene
 Concen: 157.693 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28



Tgt Ion: 105 Resp: 1798637

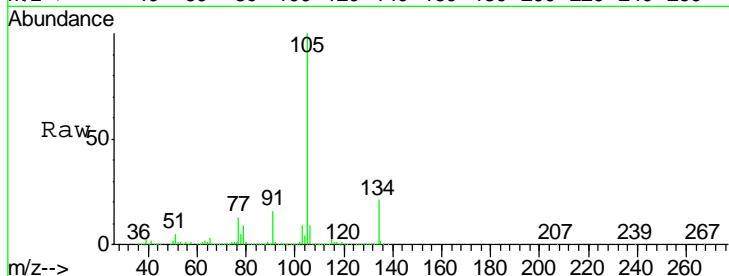
Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.8





#85
 sec-Butylbenzene
 Concen: 154.369 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

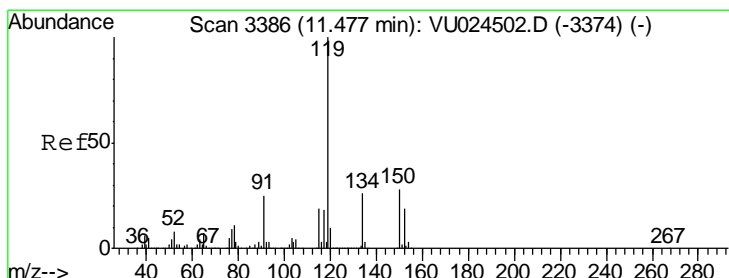
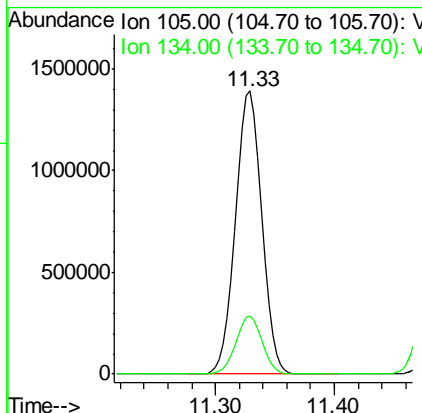
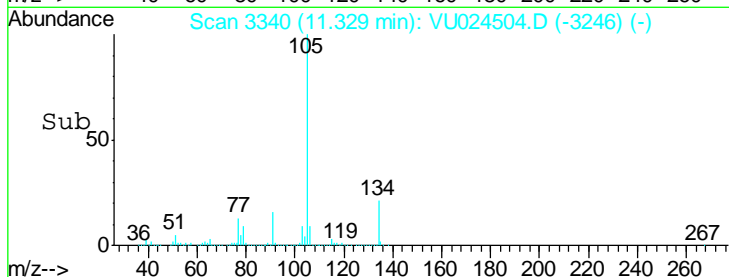
Instrument : MSVOA_U
 Client Sampled : VSTDIC150



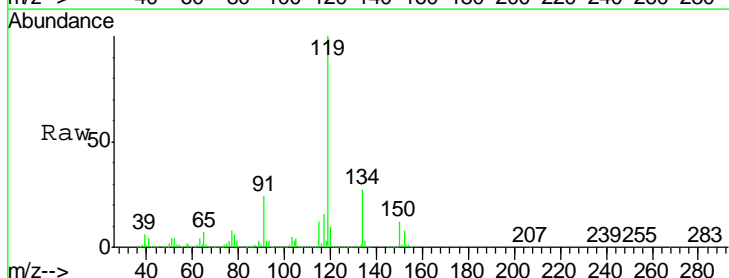
Tgt Ion: 105 Resp: 2129487
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.7 29.1

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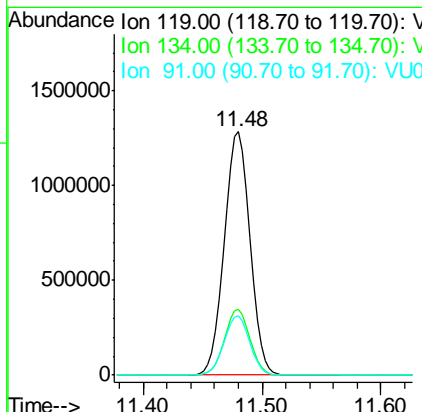
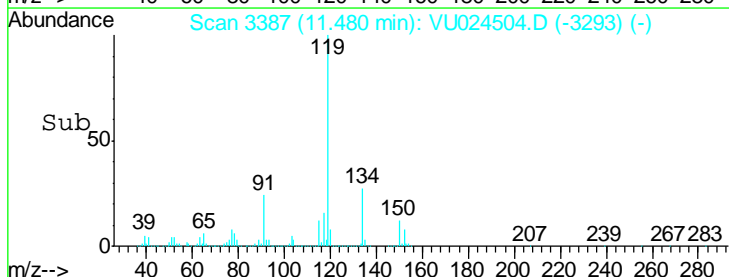
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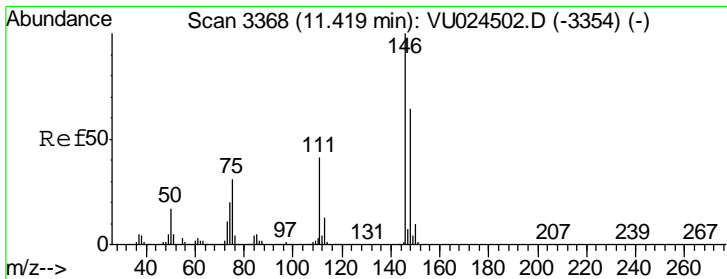


#86
 p-Isopropyltoluene
 Concen: 157.072 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28



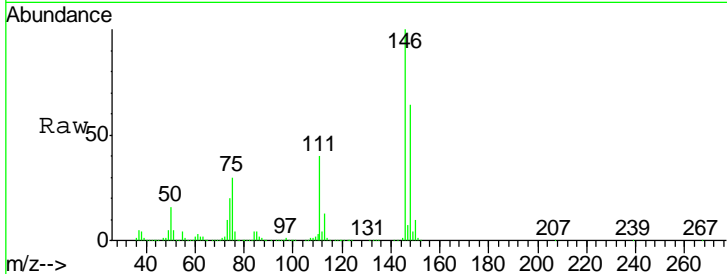
Tgt Ion: 119 Resp: 1914925
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.9 38.6
 91 24.2 12.0 36.1





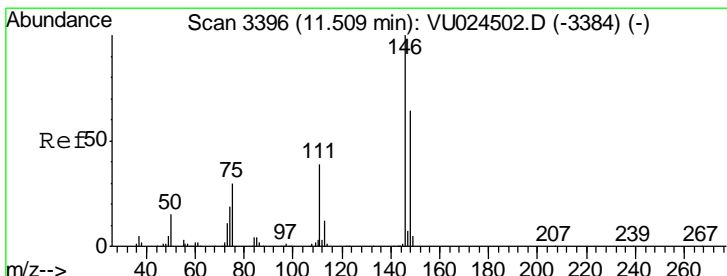
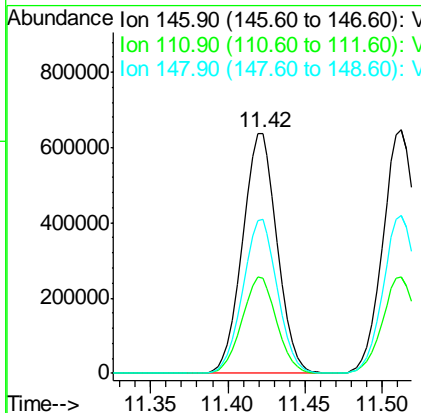
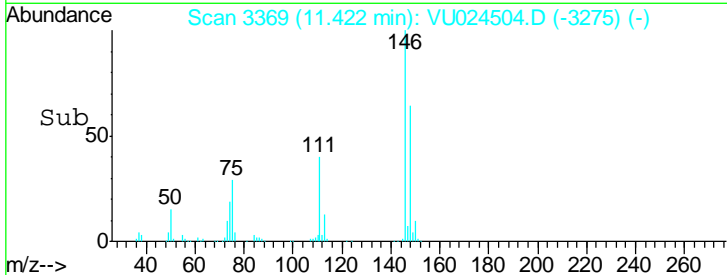
#87
 1,3-Dichlorobenzene
 Concen: 140.115 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

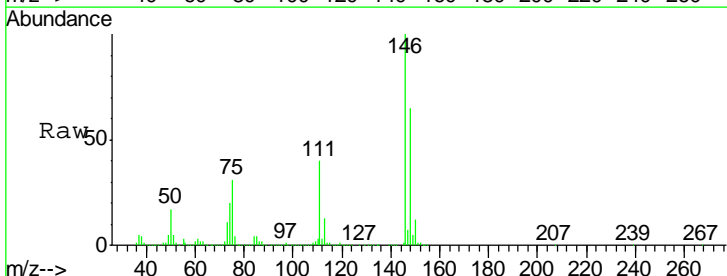


Tgt Ion	Resp	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.9	32.1	96.5

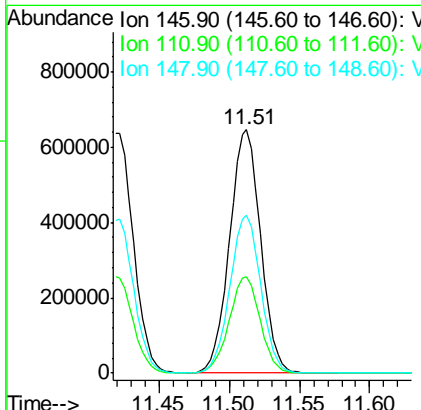
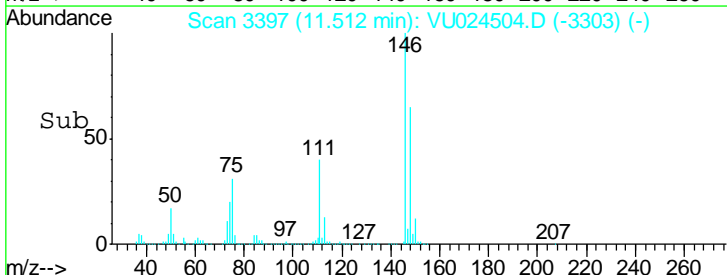
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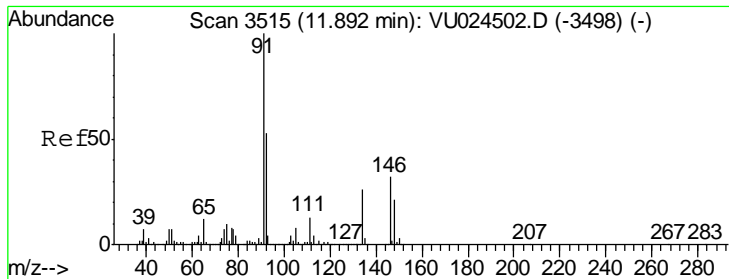


#88
 1,4-Dichlorobenzene
 Concen: 134.266 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28



Tgt Ion	Resp	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	64.6	32.4	97.0





#89
 n-Butylbenzene
 Concen: 148.680 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

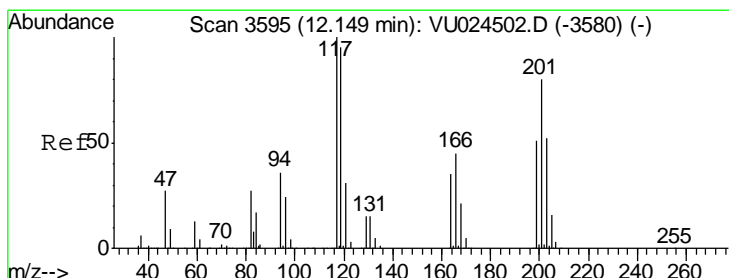
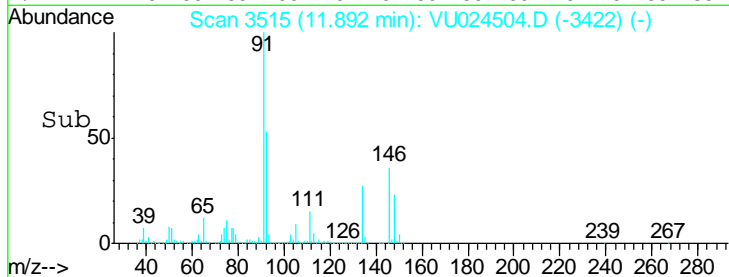
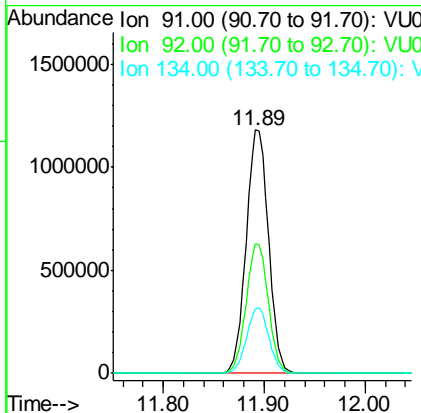
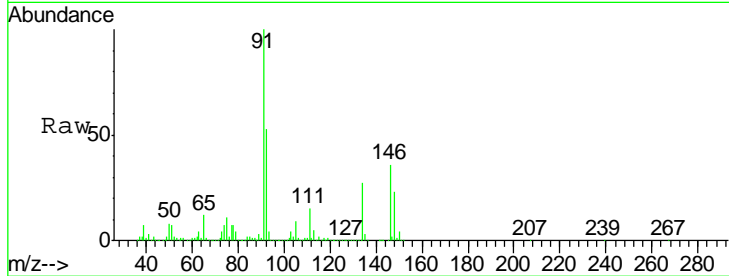
Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion: 91 Resp: 1783561

Ion	Ratio	Lower	Upper
91	100		
92	53.0	25.6	76.8
134	26.7	12.3	36.8

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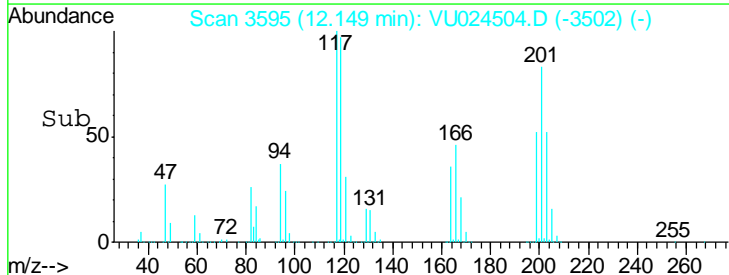
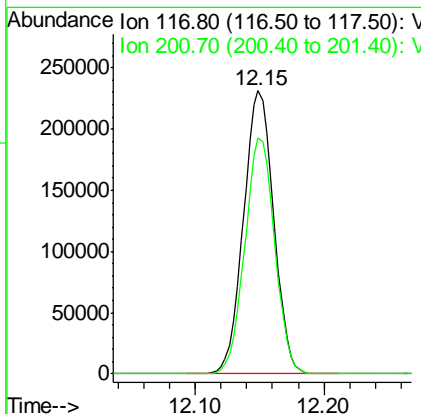
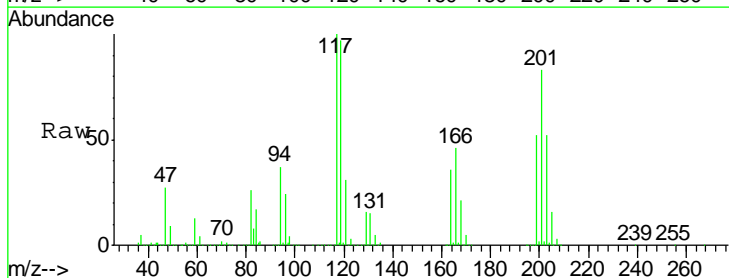
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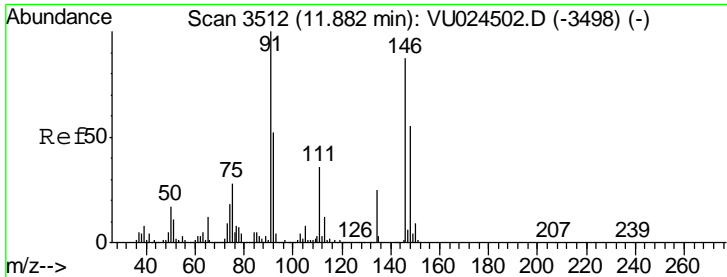


#90
 Hexachloroethane
 Concen: 172.409 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion: 117 Resp: 376813

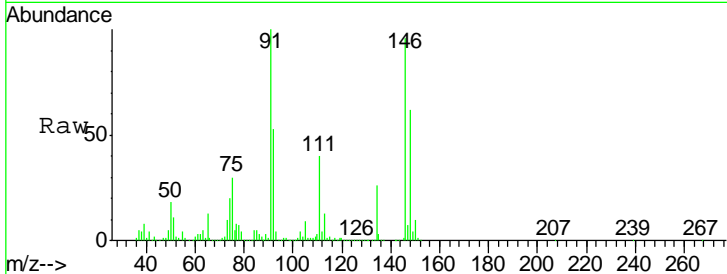
Ion	Ratio	Lower	Upper
117	100		
201	82.4	41.1	123.3





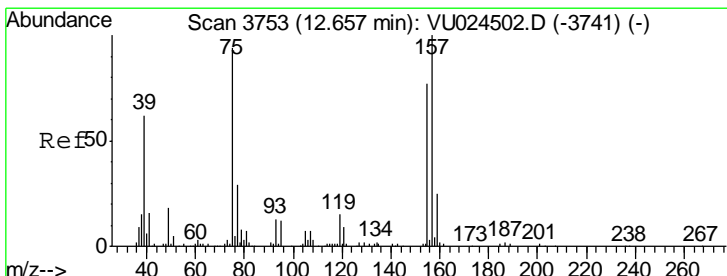
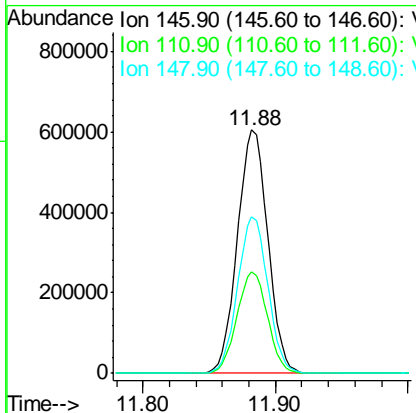
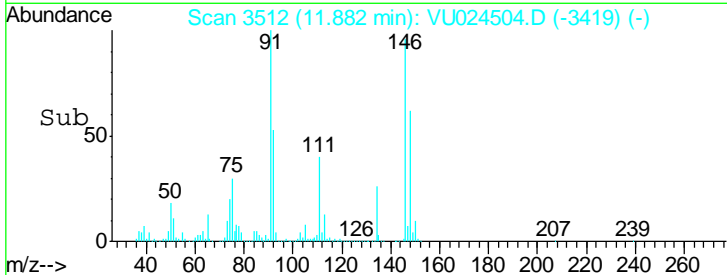
#91
 1,2-Dichlorobenzene
 Concen: 136.161 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

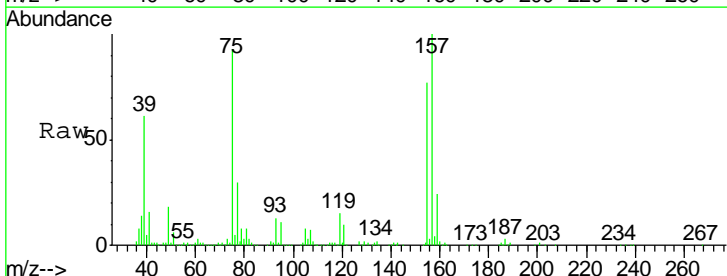


Tgt Ion	Resp	Lower	Upper
146	100		
111	41.7	20.5	61.6
148	64.1	31.9	95.7

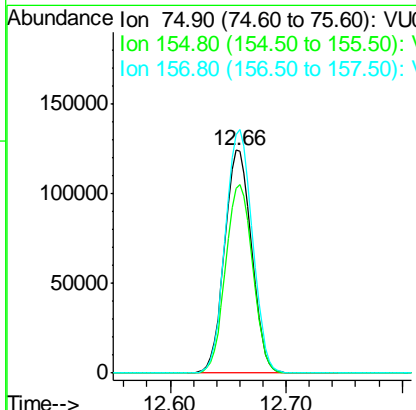
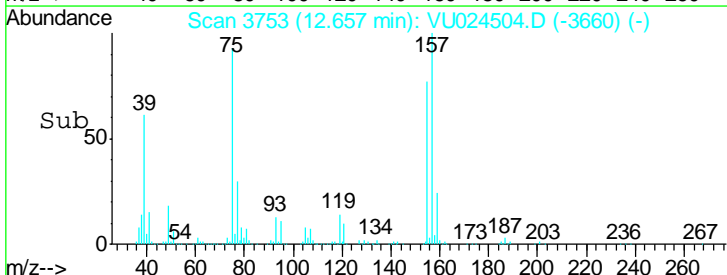
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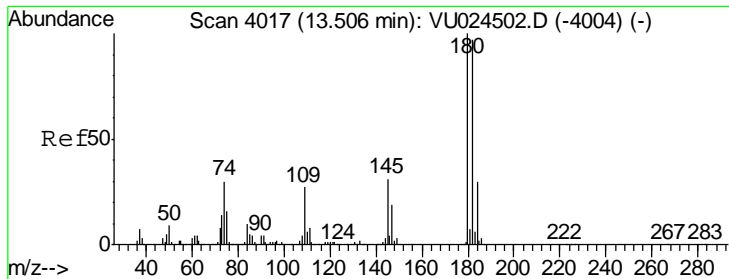


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 169.644 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28



Tgt Ion	Resp	Lower	Upper
75	100		
155	84.6	40.4	121.2
157	109.0	52.3	156.8





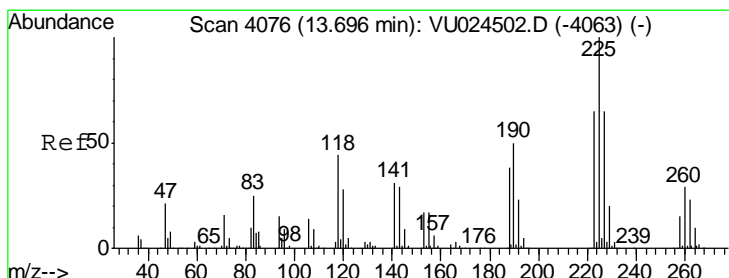
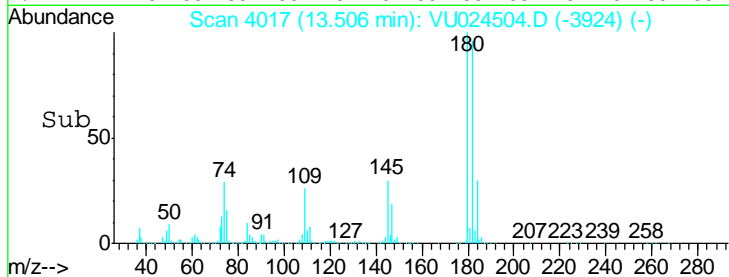
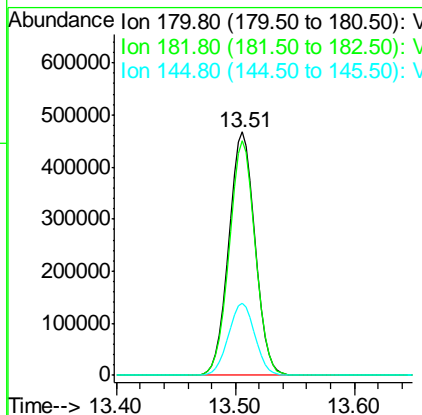
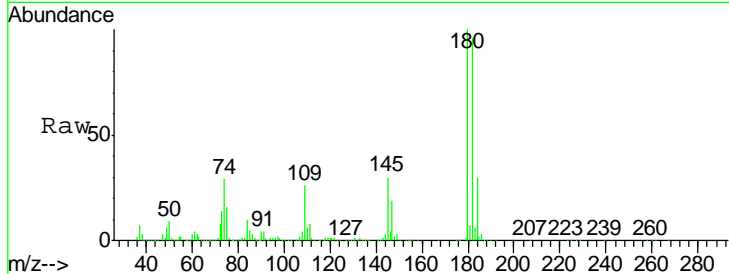
#93
 1,2,4-Trichlorobenzene
 Concen: 169.795 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.6	48.0	144.2
145	30.2	14.7	44.1

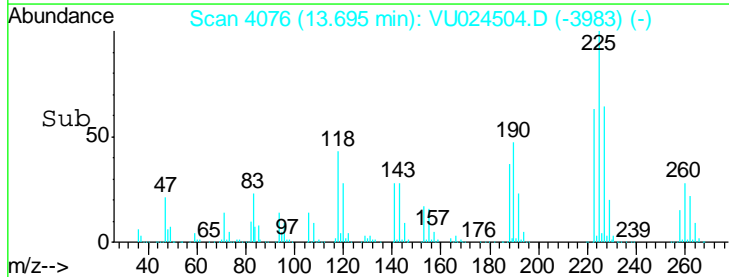
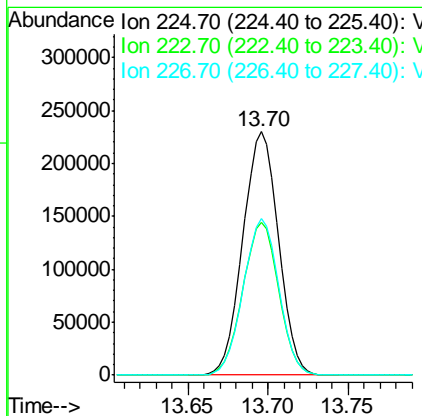
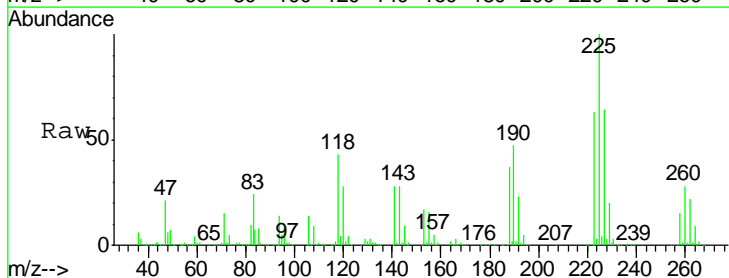
Manual Integrations
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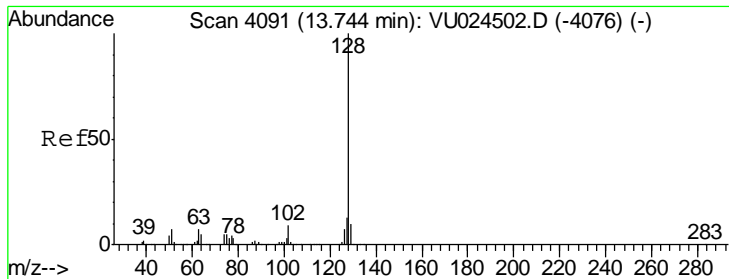
MMDadoda
 6/14/2018 9:44:43 AM



#94
 Hexachlorobutadiene
 Concen: 140.898 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.9	31.3	93.8
227	63.9	31.8	95.4





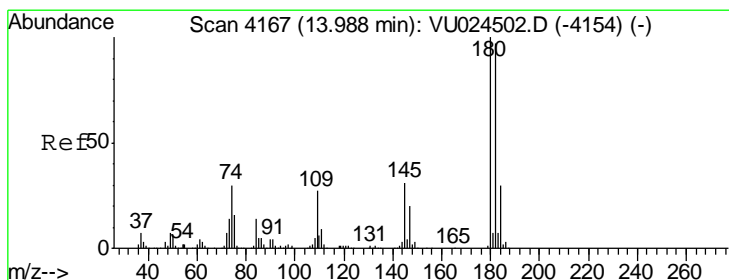
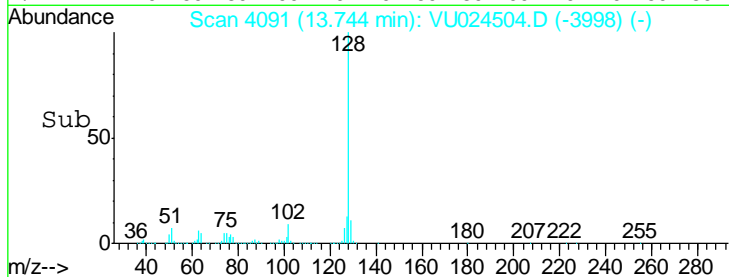
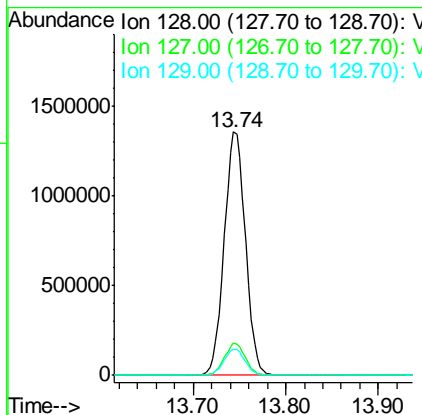
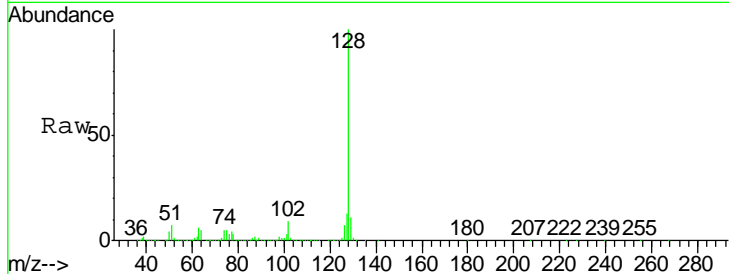
#95
 Naphthalene
 Concen: 188.620 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument : MSVOA_U
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.8	8.6	12.8

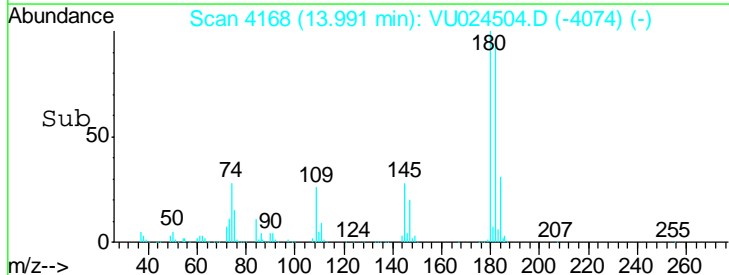
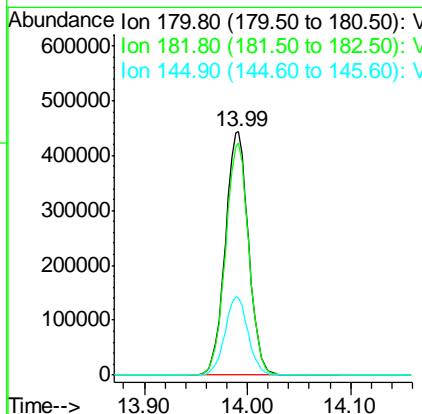
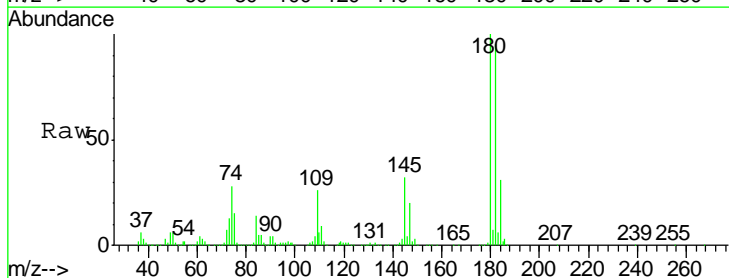
Manual Integrations
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 6/14/2018 9:44:43 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 164.181 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	32.0	15.4	46.1



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024505.D
 Acq On : 13 Jun 2018 13:54
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
Client Sampled :
 ICVVU061318

Manual Integrations
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 6/14/2018 9:44:48 AM

Quant Time: Jun 13 17:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	209361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	320083	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	306834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	184526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	168888	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	4.89	113	137903	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	7.57	98	504755	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	10.31	95	199350	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	127180	48.532	ug/l	99
3) Chloromethane	1.33	50	134633	50.287	ug/l	98
4) Vinyl Chloride	1.40	62	133804	48.462	ug/l	98
5) Bromomethane	1.62	94	71804	53.797	ug/l	100
6) Chloroethane	1.70	64	77653	50.339	ug/l	100
7) Trichlorofluoromethane	1.89	101	194757	46.221	ug/l	99
8) Diethyl Ether	2.10	74	71668	49.979	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	125618	48.055	ug/l	99
10) Methyl Iodide	2.41	142	93398	43.041	ug/l	100
11) Tert butyl alcohol	2.82	59	188298	226.523	ug/l	98
12) 1,1-Dichloroethene	2.28	96	117204	49.165	ug/l	91
13) Acrolein	2.19	56	101463	232.440	ug/l	97
14) Allyl chloride	2.60	41	210200	47.489	ug/l	97
15) Acrylonitrile	2.94	53	394004	243.618	ug/l	98
16) Acetone	2.32	43	441718	240.533	ug/l	99
17) Carbon Disulfide	2.48	76	382674	50.132	ug/l	99
18) Methyl Acetate	2.62	43	184382	46.834	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	433870	48.418	ug/l	98
20) Methylene Chloride	2.70	84	134649	46.729	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	127392	48.519	ug/l	98
22) Diisopropyl ether	3.57	45	420034	47.871	ug/l	97
23) Vinyl Acetate	3.53	43	1932599	245.878	ug/l	99
24) 1,1-Dichloroethane	3.45	63	242928	48.127	ug/l	98
25) 2-Butanone	4.26	43	604503	245.064	ug/l	98
26) 2,2-Dichloropropane	4.23	77	232735	48.558	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	145628	48.244	ug/l	99
28) Bromochloromethane	4.55	49	114112	51.325	ug/l	89
29) Tetrahydrofuran	4.63	42	358918	234.962	ug/l	97
30) Chloroform	4.68	83	246789	48.304	ug/l	100
31) Cyclohexane	5.00	56	227307	50.739	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	222937	47.188	ug/l	96
36) 1,1-Dichloropropene	5.14	75	189454	50.370	ug/l	99
37) Ethyl Acetate	4.38	43	209691	51.151	ug/l	97
38) Carbon Tetrachloride	5.14	117	207682	50.212	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024505.D
 Acq On : 13 Jun 2018 13:54
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
Client Sampled :
 ICVVU061318

Manual Integrations
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 6/14/2018 9:44:48 AM

Quant Time: Jun 13 17:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	233808	49.813	ug/l	96
40) Benzene	5.39	78	532500	49.685	ug/l	100
41) Methacrylonitrile	4.54	41	115007	52.033	ug/l	99
42) 1,2-Dichloroethane	5.41	62	202051	49.500	ug/l	100
43) Isopropyl Acetate	5.55	43	343523	48.478	ug/l	98
44) Trichloroethene	6.19	130	150568	49.364	ug/l	98
45) 1,2-Dichloropropane	6.44	63	144397	50.494	ug/l	99
46) Dibromomethane	6.56	93	102474	51.016	ug/l	98
47) Bromodichloromethane	6.76	83	200130	50.035	ug/l	100
48) Methyl methacrylate	6.63	41	171269	49.636	ug/l	99
49) 1,4-Dioxane	6.61	88	65810	975.265	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1091631	245.208	ug/l	98
52) Toluene	7.64	92	342331	49.648	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	235190	52.360	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	239919	50.126	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	133628	47.676	ug/l	99
56) Ethyl methacrylate	8.02	69	232061	49.467	ug/l	99
57) 1,3-Dichloropropane	8.25	76	235354	49.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	476624	265.200	ug/l	97
59) 2-Hexanone	8.36	43	886630	243.947	ug/l	99
60) Dibromochloromethane	8.48	129	171753	49.141	ug/l	99
61) 1,2-Dibromoethane	8.59	107	153226	49.117	ug/l	99
64) Tetrachloroethene	8.23	164	145096	49.749	ug/l	98
65) Chlorobenzene	9.12	112	390986	49.880	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	145101	48.724	ug/l	98
67) Ethyl Benzene	9.25	91	680368	49.512	ug/l	99
68) m/p-Xylenes	9.38	106	528520	100.161	ug/l	97
69) o-Xylene	9.78	106	257251	49.261	ug/l	95
70) Styrene	9.80	104	426491	49.697	ug/l	99
71) Bromoform	9.96	173	137555	48.596	ug/l #	99
73) Isopropylbenzene	10.17	105	688165	48.575	ug/l	98
74) N-amyl acetate	10.01	43	323163	47.957	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	221331	46.621	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	210914m	51.916	ug/l	
77) Bromobenzene	10.45	156	174707	48.711	ug/l	97
78) n-propylbenzene	10.59	91	828791	49.662	ug/l	97
79) 2-Chlorotoluene	10.66	91	486687	49.452	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	595341	48.483	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	87476m	49.834	ug/l	
82) 4-Chlorotoluene	10.78	91	569145	49.687	ug/l	99
83) tert-Butylbenzene	11.10	119	571168	48.356	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	616941	49.301	ug/l	99
85) sec-Butylbenzene	11.33	105	729865	49.364	ug/l	98
86) p-Isopropyltoluene	11.48	119	663805	50.129	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	329837	49.777	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	337389	50.588	ug/l	98
89) n-Butylbenzene	11.89	91	619881	52.728	ug/l	97
90) Hexachloroethane	12.15	117	124160	48.065	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	324063	48.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	64890	49.536	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024505.D
 Acq On : 13 Jun 2018 13:54
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
ClientSampleId :
 ICVVU061318

Manual Integrations
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Quant Time: Jun 13 17:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	239248	58.374	ug/l	99
94) Hexachlorobutadiene	13.70	225	120222	52.115	ug/l	99
95) Naphthalene	13.74	128	742748	54.677	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	237051	58.045	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

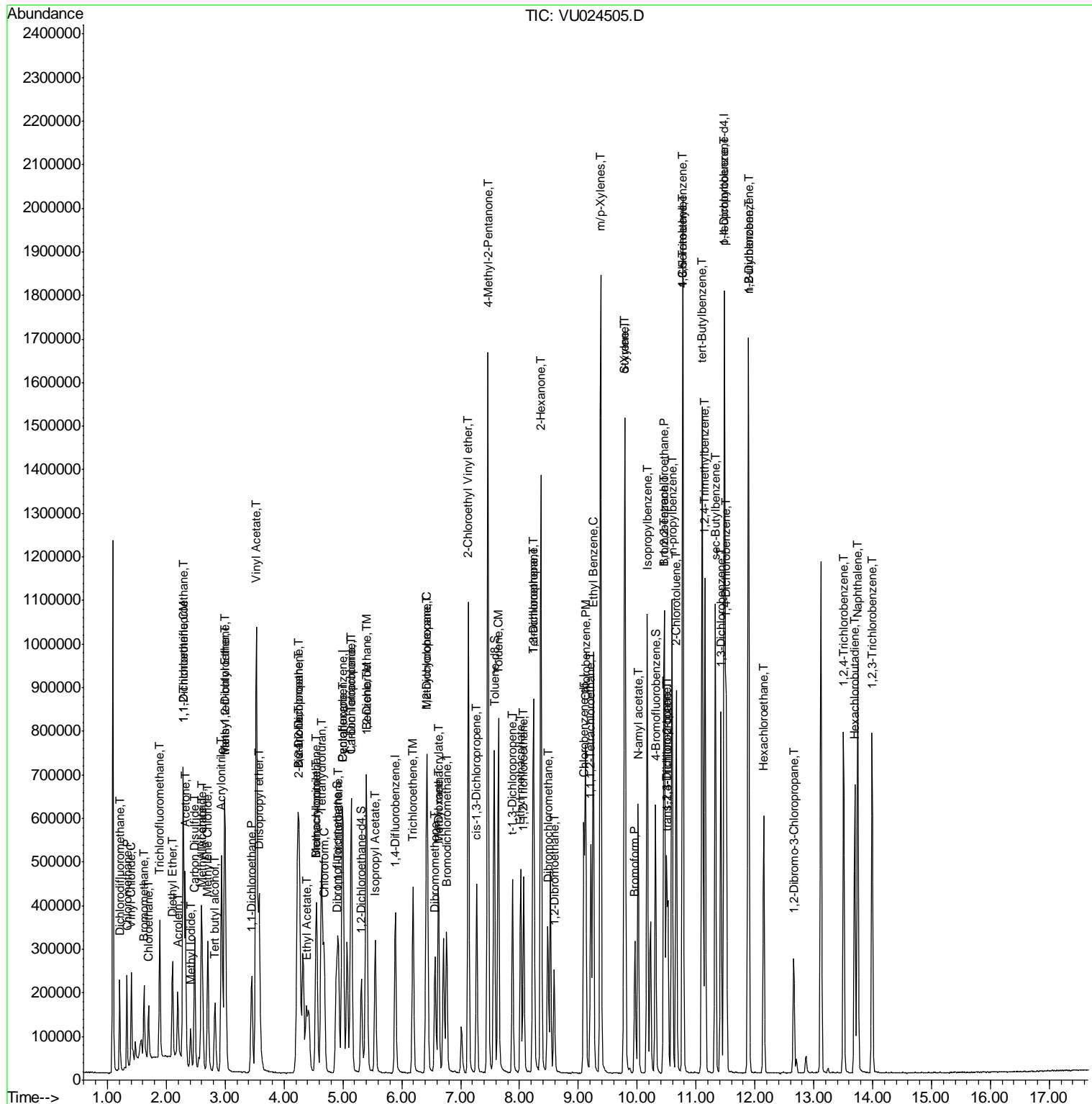
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024505.D
 Acq On : 13 Jun 2018 13:54
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

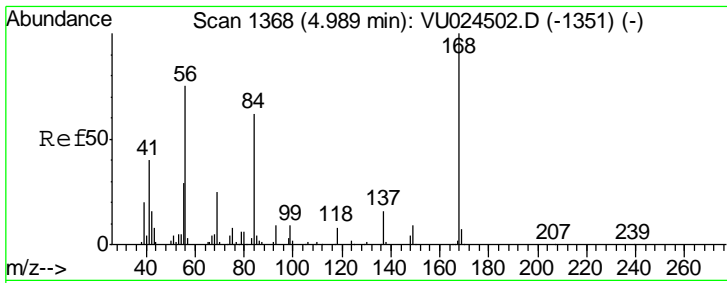
Instrument :
 MSVOA_U
 Client Sampled :
 ICVVU061318

Manual Integrations
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 6/14/2018 9:44:48 AM

Quant Time: Jun 13 17:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration



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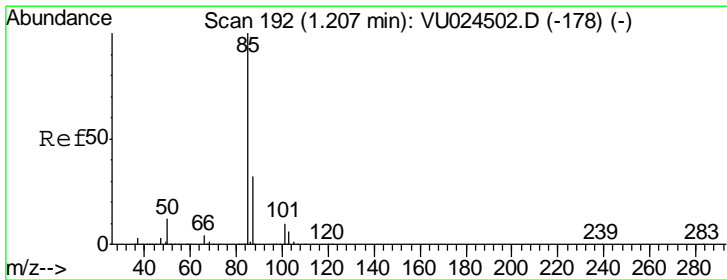
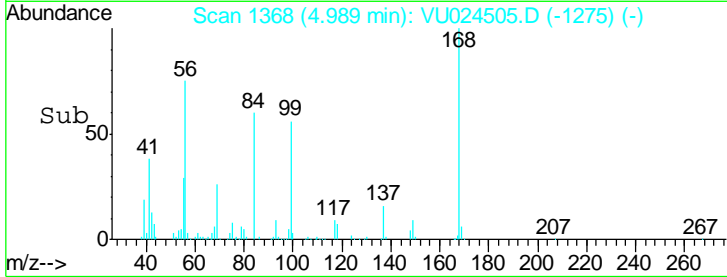
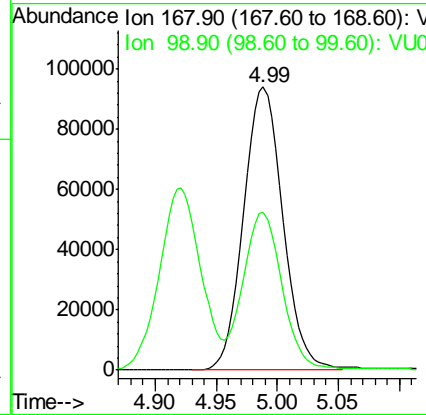
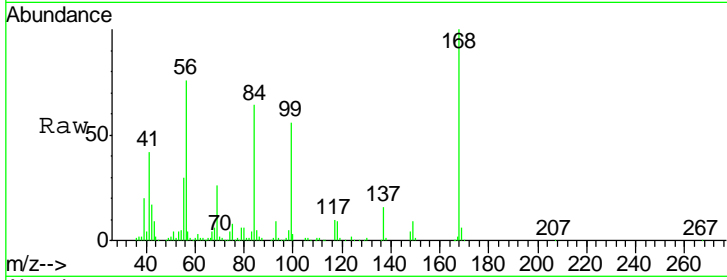


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
168	100		
99	55.3	43.2	64.8

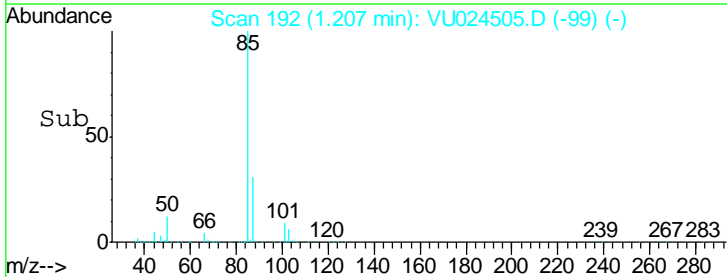
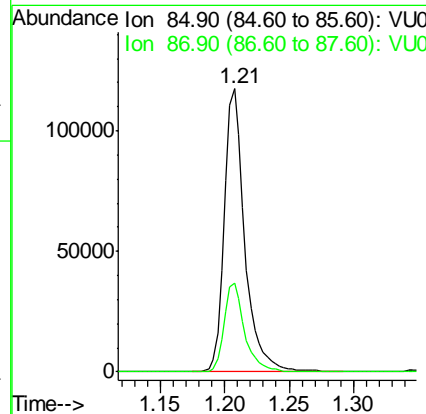
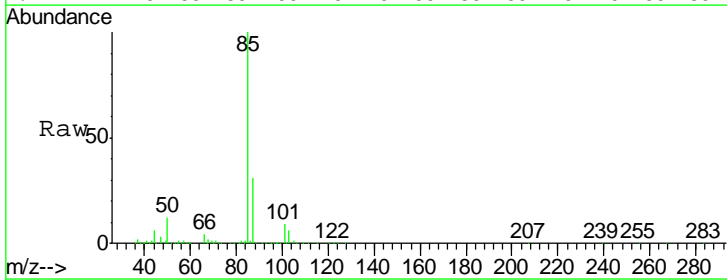
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

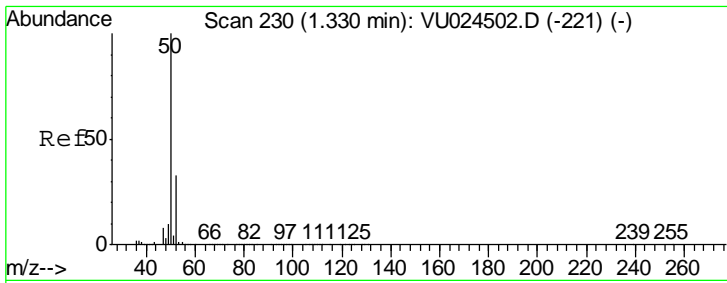
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#2
 Dichlorodifluoromethane
 Concen: 48.532 ug/l
 RT: 1.21 min Scan# 192
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.4	16.1	48.2



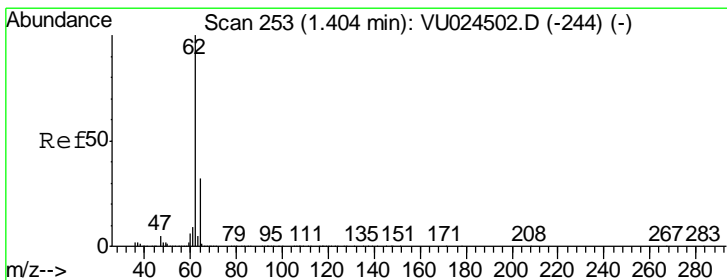
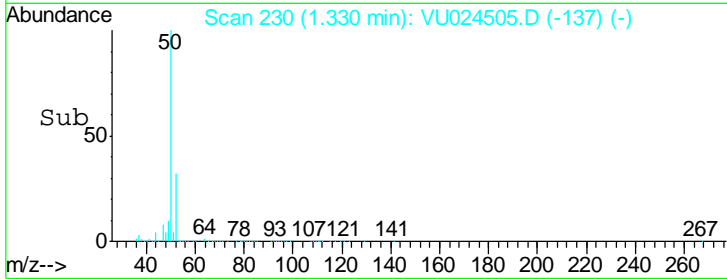
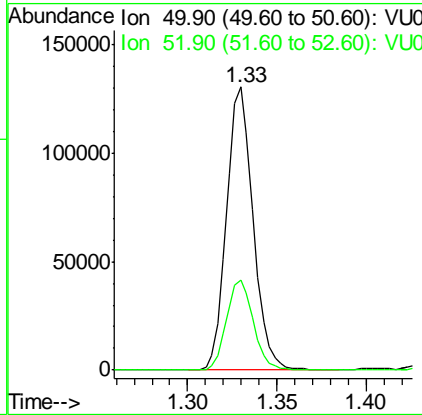
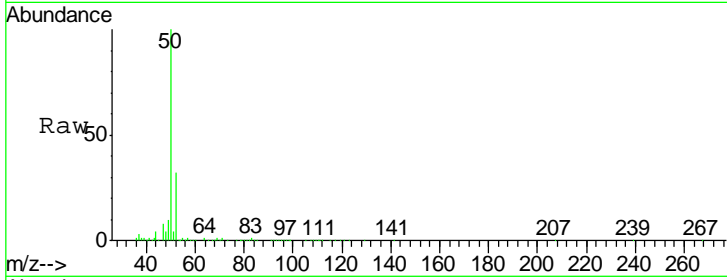


#3
 Chloromethane
 Concen: 50.287 ug/l
 RT: 1.33 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
50	134633		
52	32.0	26.4	39.6

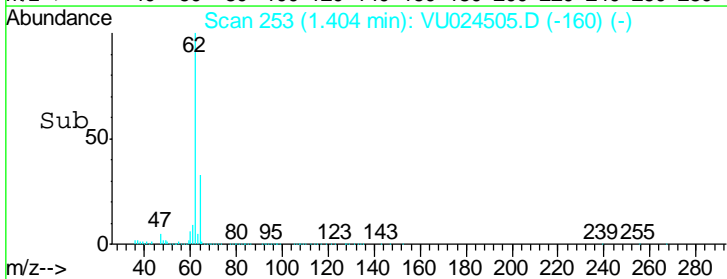
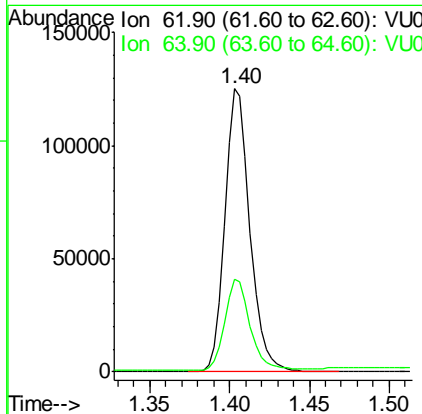
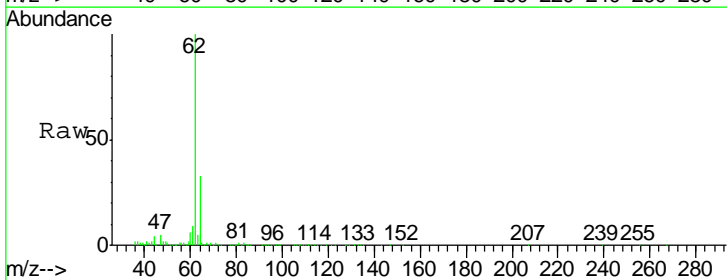
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

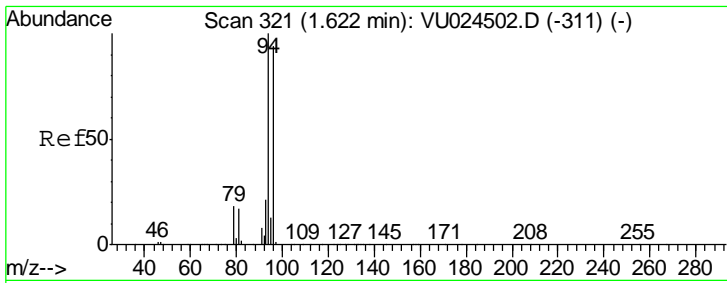
Manual Integrations
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 6/14/2018 9:44:48 AM



#4
 Vinyl Chloride
 Concen: 48.462 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
62	133804		
64	31.9	24.8	37.2



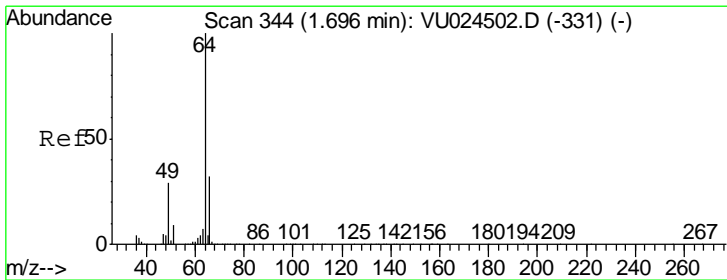
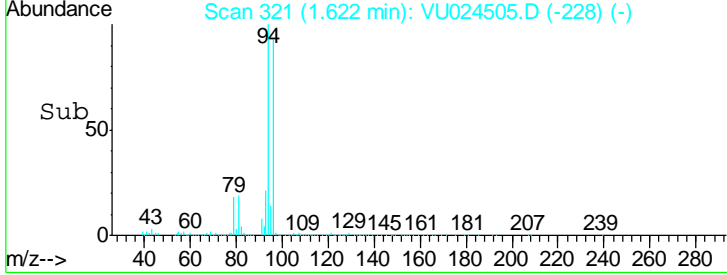
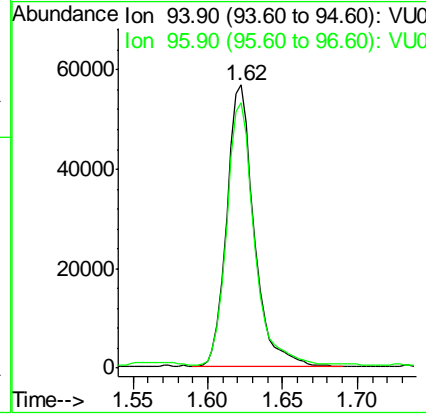
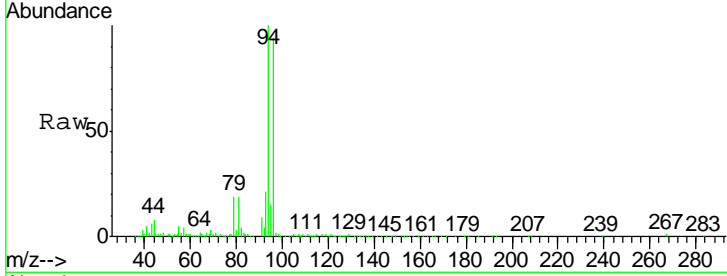


#5
 Bromomethane
 Concen: 53.797 ug/l
 RT: 1.62 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
94	71804		
96	93.3	74.5	111.7

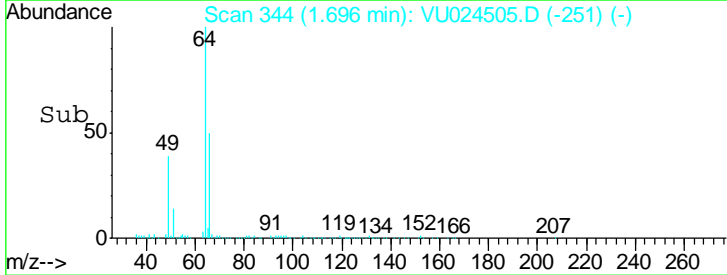
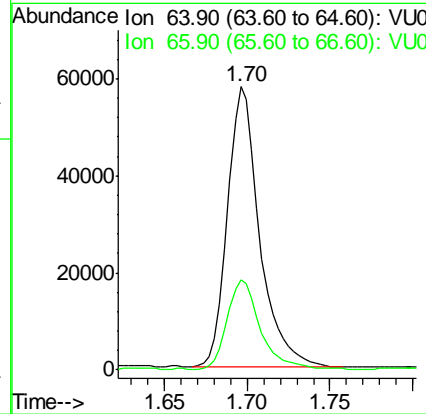
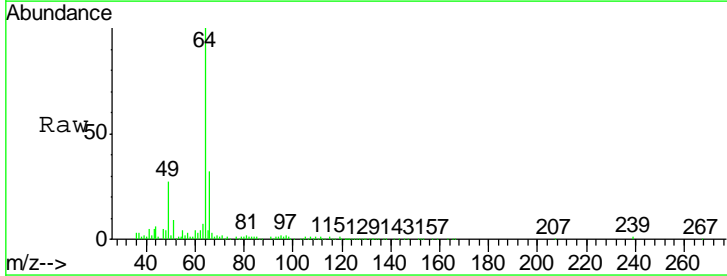
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

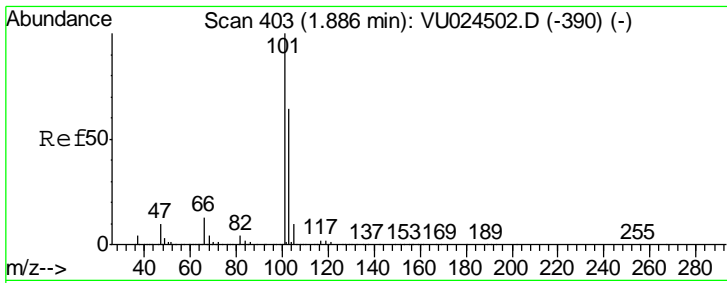
Manual Integrations APPROVED
 MMDadoda
 6/14/2018 9:44:48 AM



#6
 Chloroethane
 Concen: 50.339 ug/l
 RT: 1.70 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

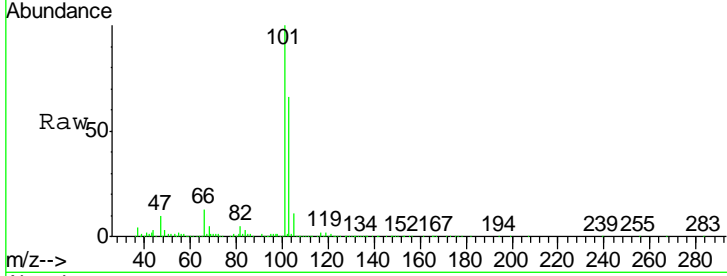
Tgt Ion	Resp	Lower	Upper
64	77653		
66	32.0	25.5	38.3





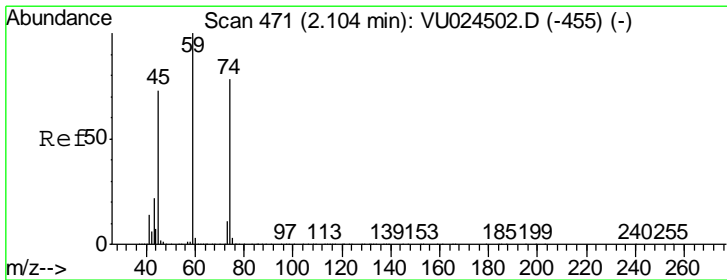
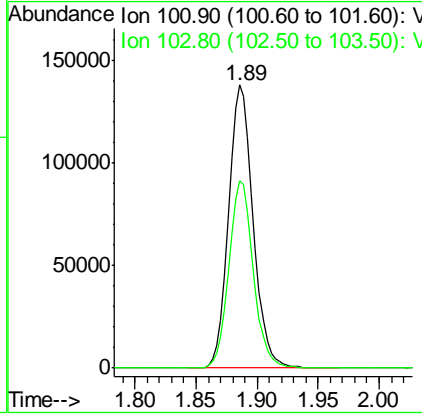
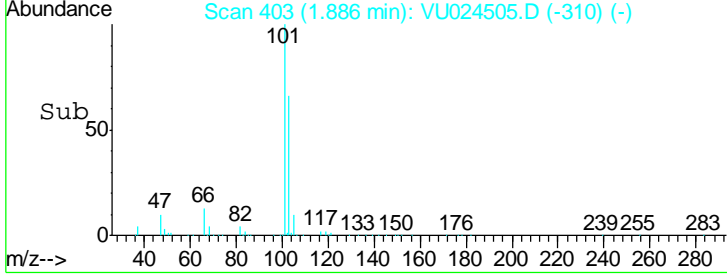
#7
 Trichlorofluoromethane
 Concen: 46.221 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 Client Sampled : ICVVU061318

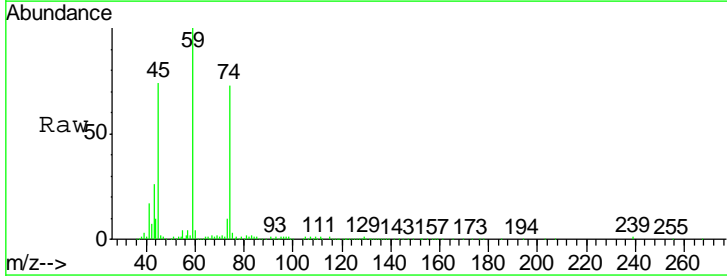


Tgt Ion: 101 Resp: 194757
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.3 78.5

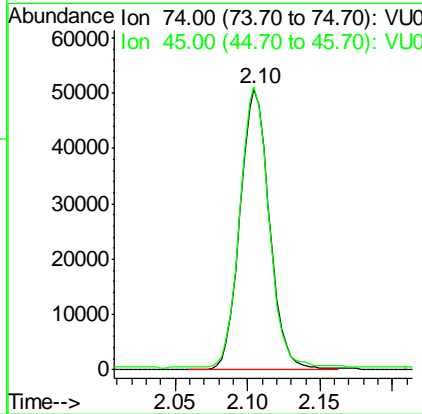
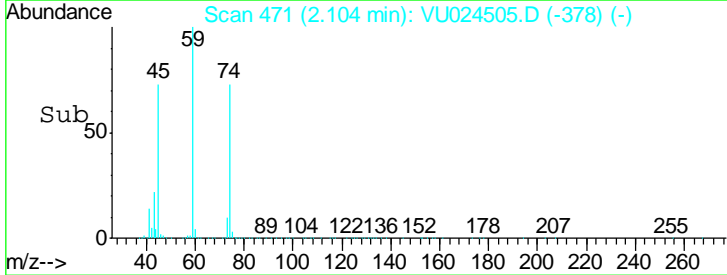
Manual Integrations
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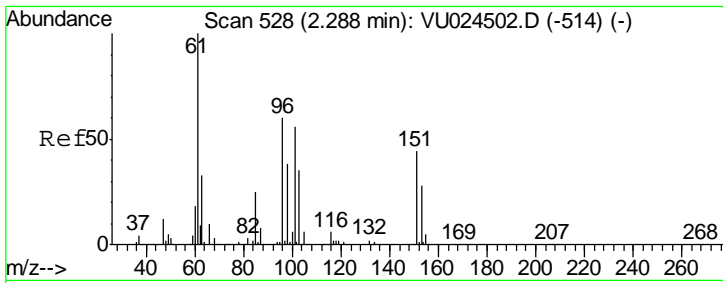


#8
 Diethyl Ether
 Concen: 49.979 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



Tgt Ion: 74 Resp: 71668
 Ion Ratio Lower Upper
 74 100
 45 97.7 55.0 165.0





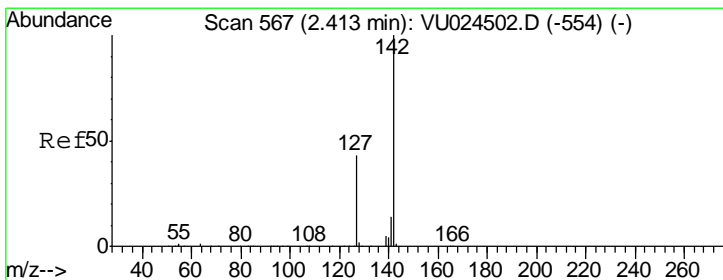
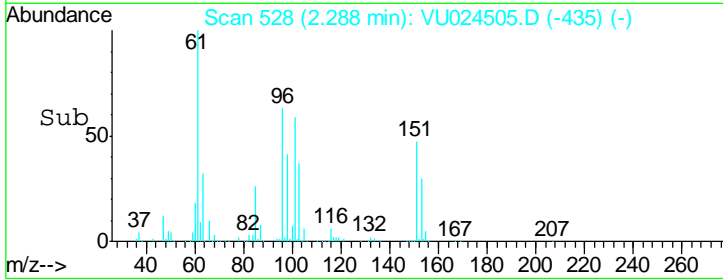
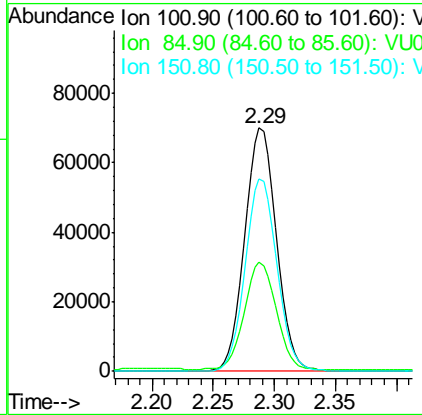
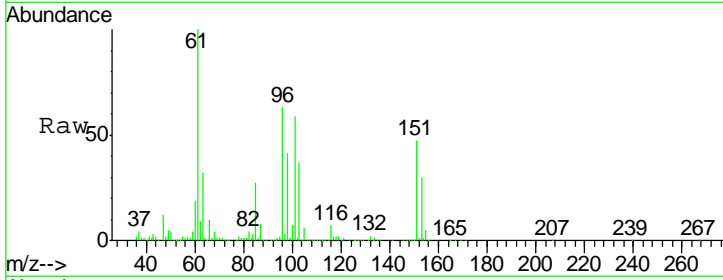
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.055 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 Client Sampled : VU024505.D
 ICVVU061318

Tgt Ion	Resp	Lower	Upper
101	125618		
101	100		
85	44.7	36.0	54.0
151	79.3	62.3	93.5

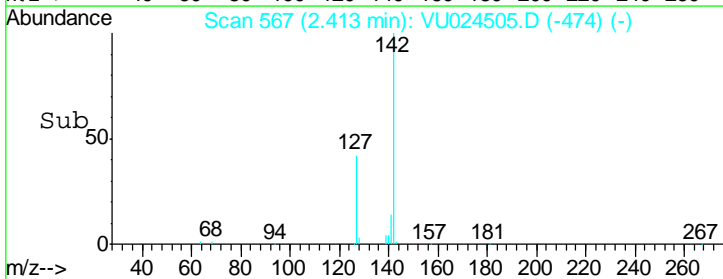
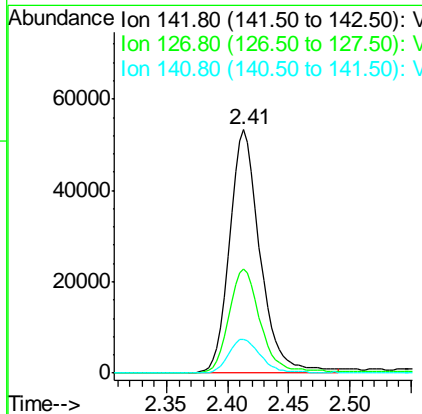
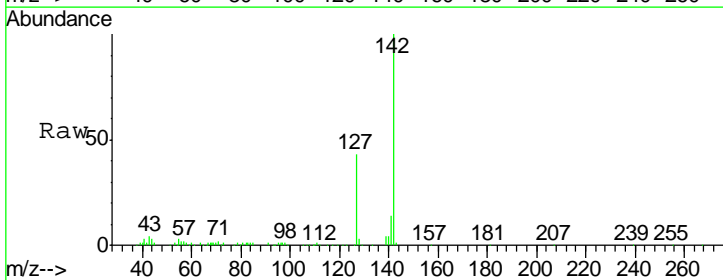
Manual Integrations
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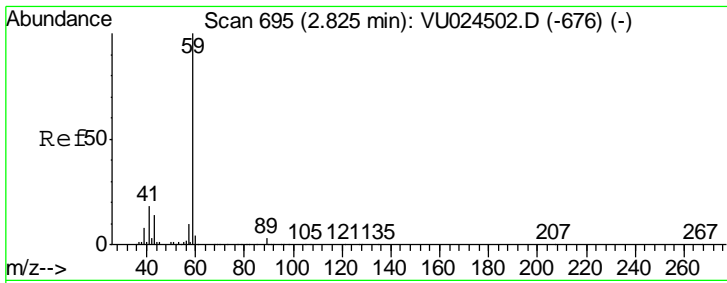
MMDadoda
 6/14/2018 9:44:48 AM



#10
 Methyl Iodide
 Concen: 43.041 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
142	93398		
142	100		
127	44.6	35.6	53.4
141	14.6	11.7	17.5



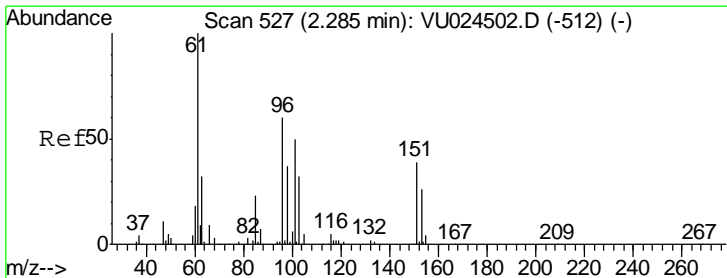
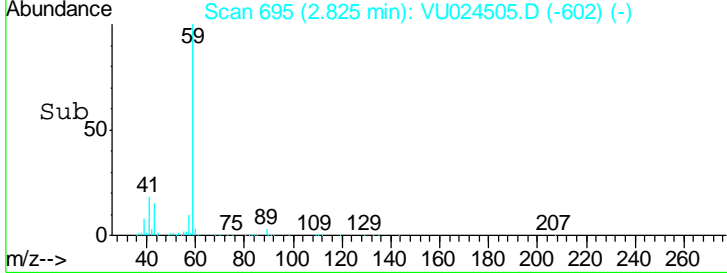
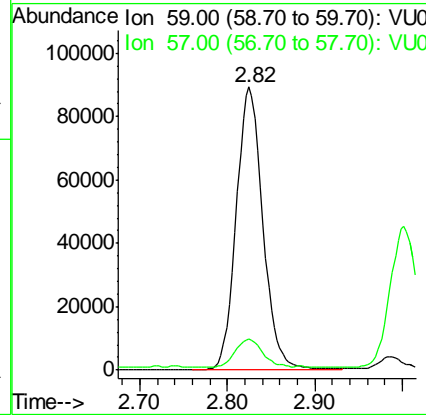
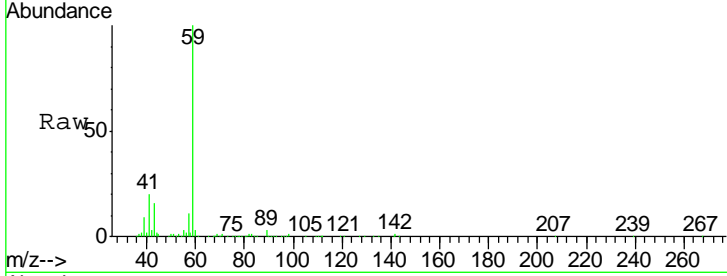


#11
 Tert butyl alcohol
 Concen: 226.523 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 Client Sampled : ICVVU061318

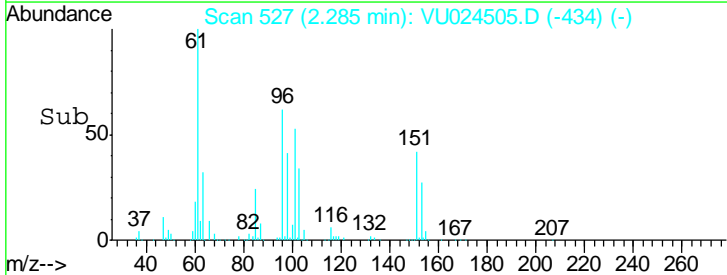
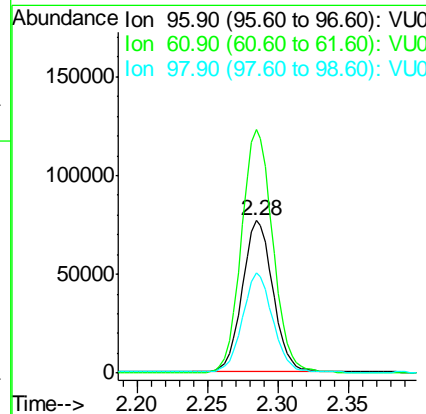
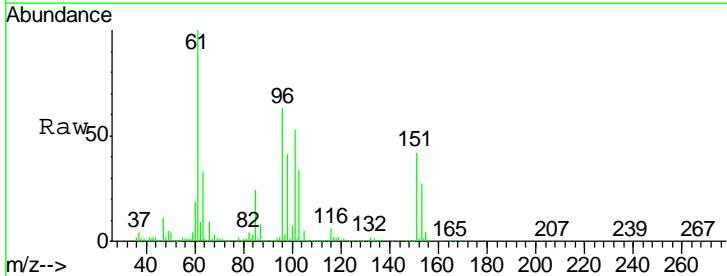
Tgt Ion	Resp	Lower	Upper
59	188298		
57	10.0	8.5	12.7

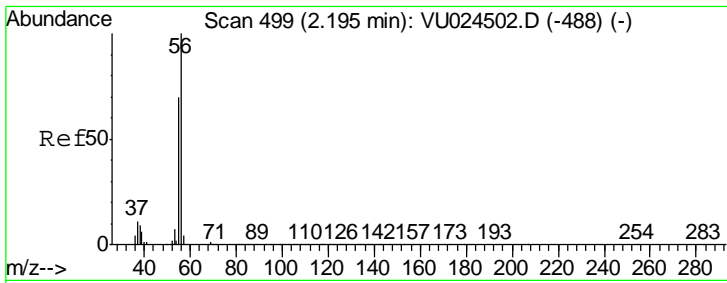
Manual Integrations
APPROVED
 MMDadoda
 6/14/2018 9:44:48 AM



#12
 1,1-Dichloroethene
 Concen: 49.165 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
96	117204		
61	161.0	141.7	212.5
98	65.3	51.6	77.4



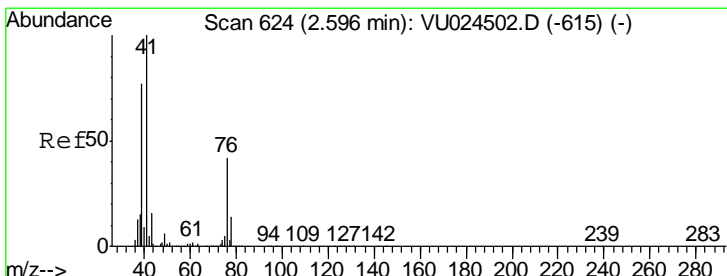
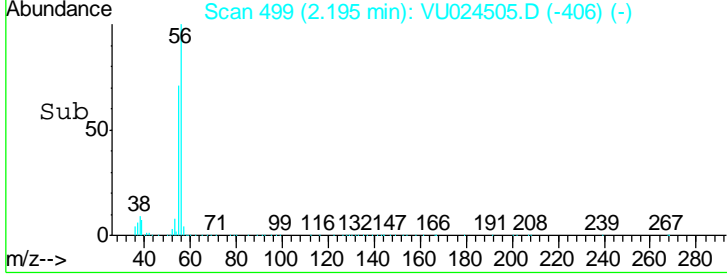
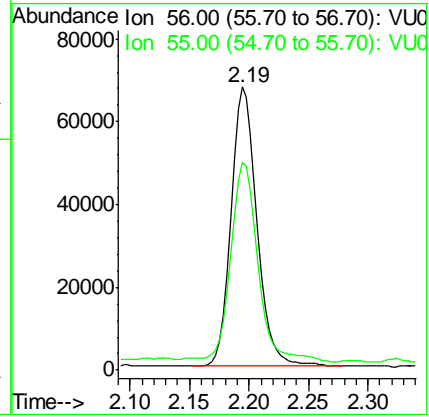
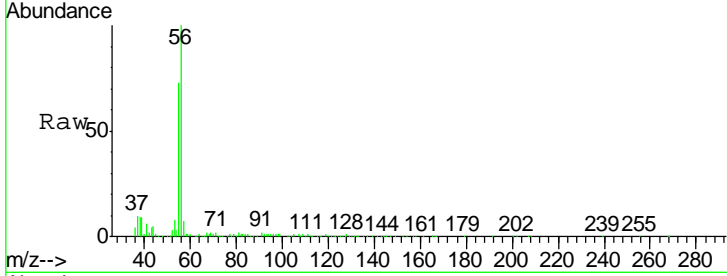


#13
 Acrolein
 Concen: 232.440 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
56	101463		
55	75.2	58.4	87.6

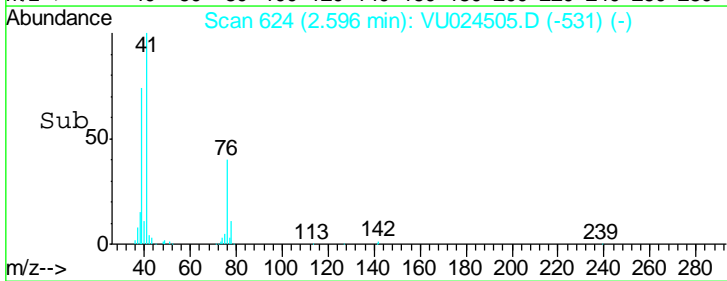
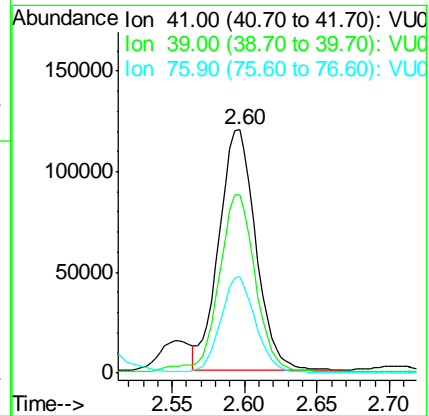
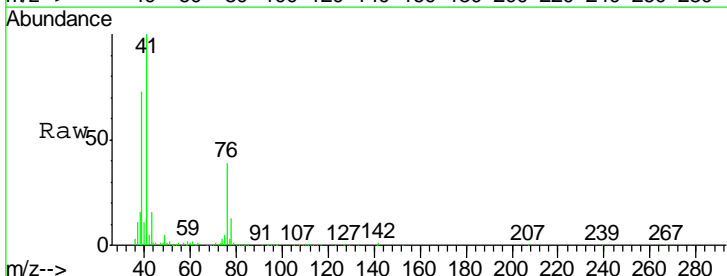
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

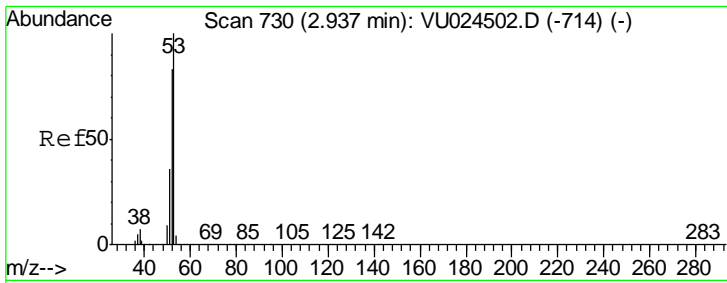
Manual Integrations APPROVED
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#14
 Allyl chloride
 Concen: 47.489 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
41	210200		
39	73.4	61.6	92.4
76	38.1	29.7	44.5



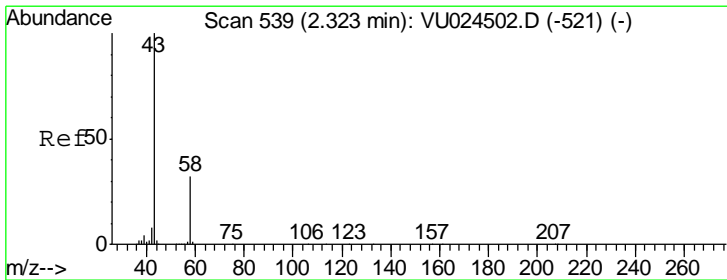
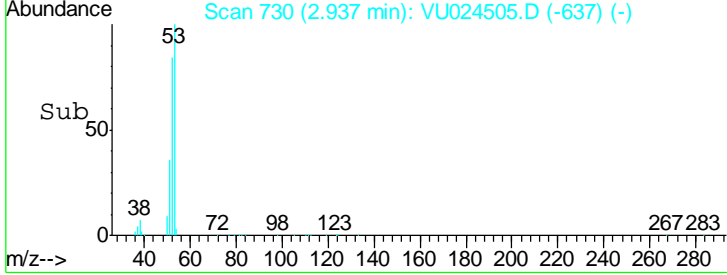
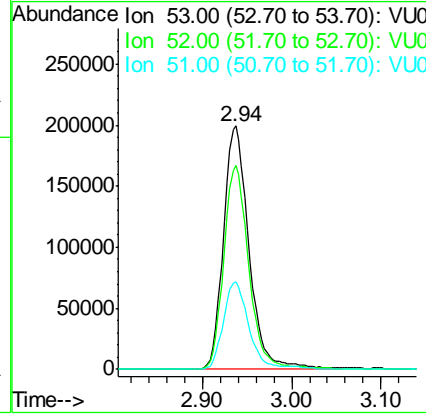
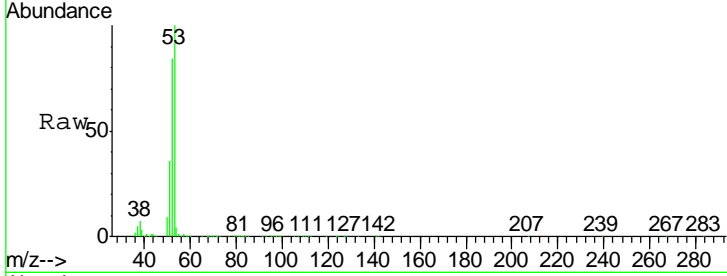


#15
 Acrylonitrile
 Concen: 243.618 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.5	67.1	100.7
51	36.8	28.4	42.6

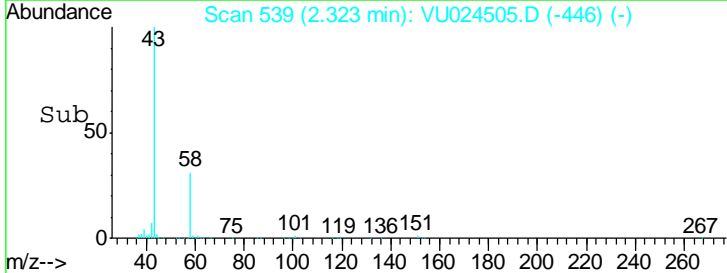
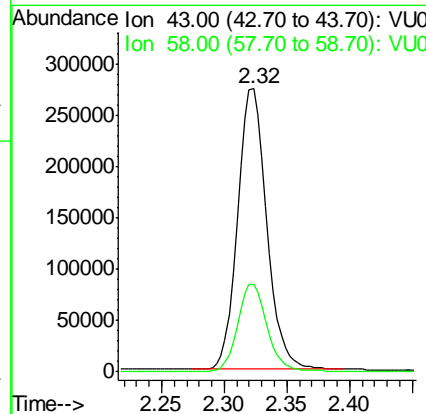
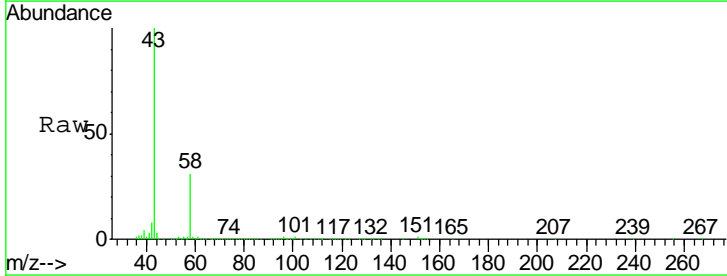
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

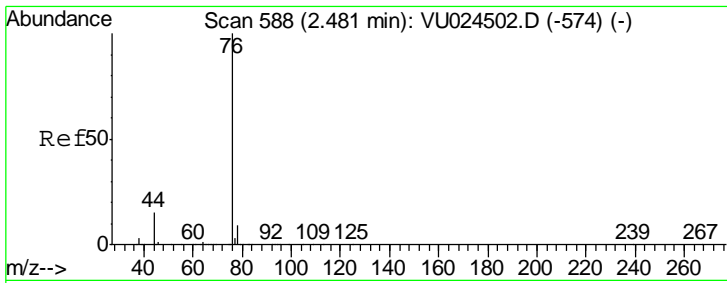
Manual Integrations
APPROVED
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 6/14/2018 9:44:48 AM



#16
 Acetone
 Concen: 240.533 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.0	24.4	36.6



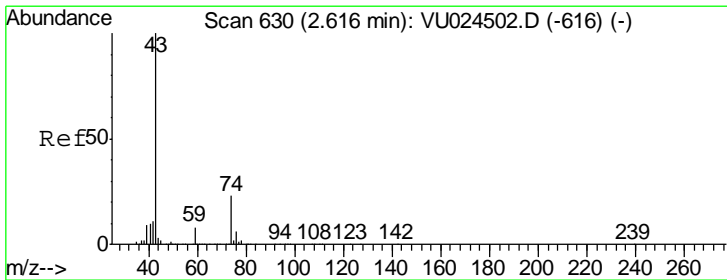
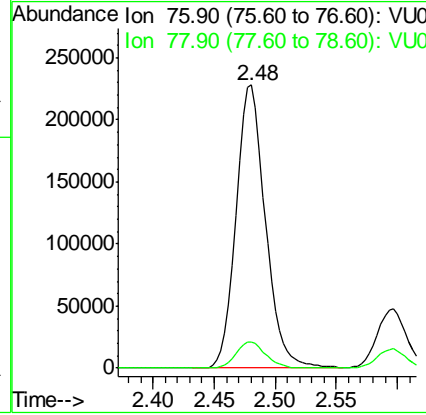
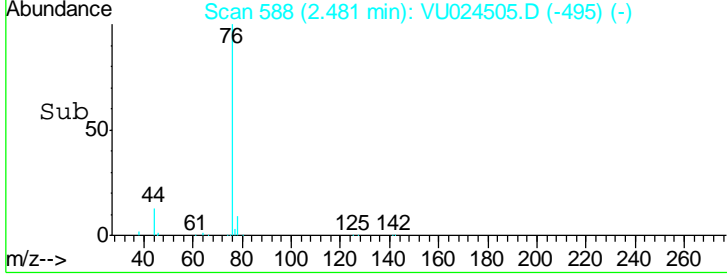
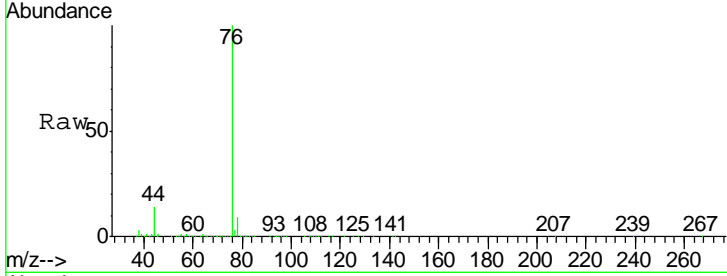


#17
 Carbon Disulfide
 Concen: 50.132 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.4	7.1	10.7

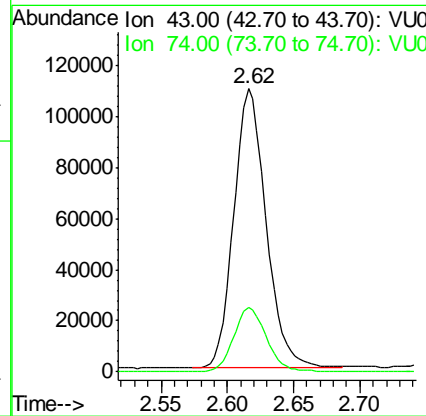
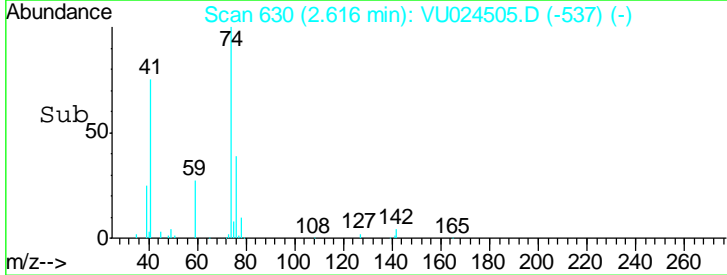
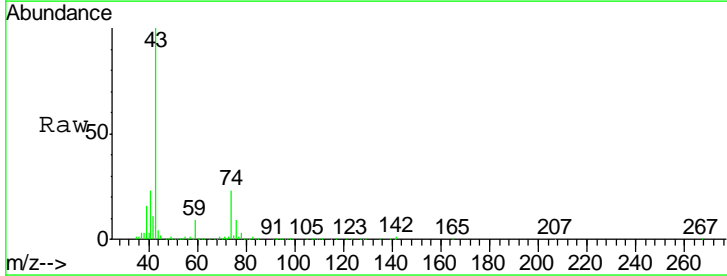
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

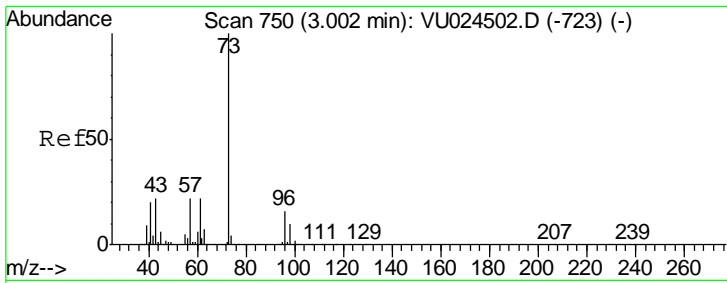
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#18
 Methyl Acetate
 Concen: 46.834 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
43	100		
74	23.6	18.0	27.0



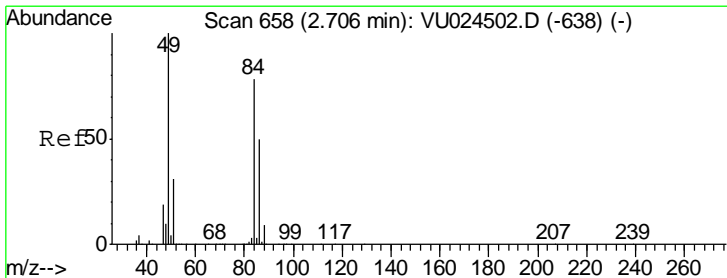
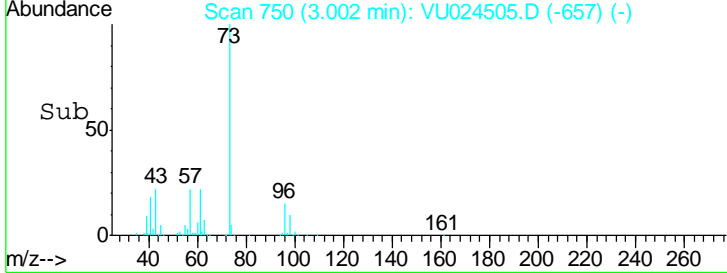
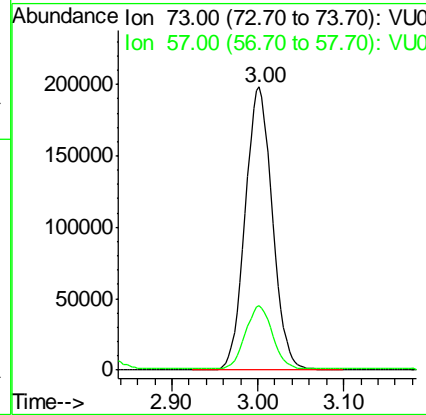
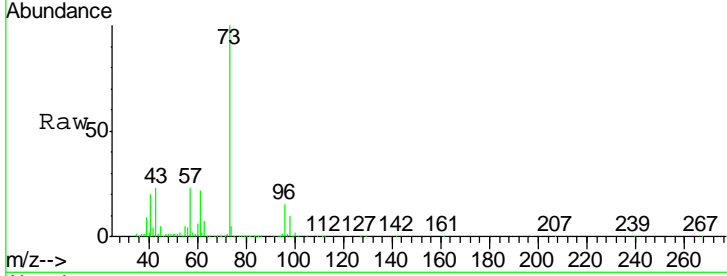


#19
 Methyl tert-butyl Ether
 Concen: 48.418 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
73	433870		
57	22.3	18.8	28.2

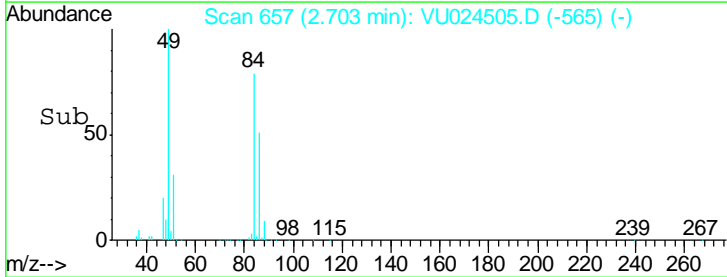
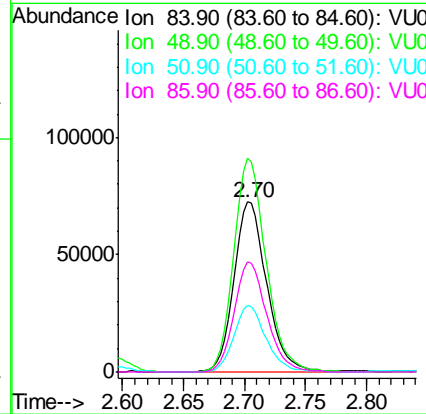
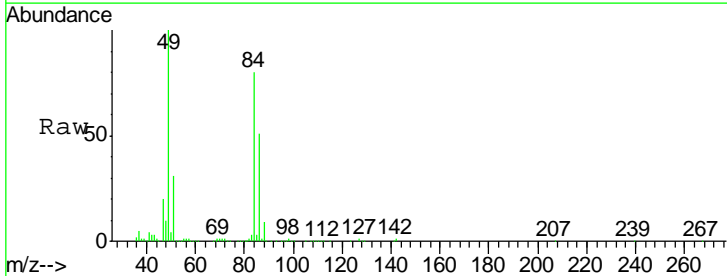
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

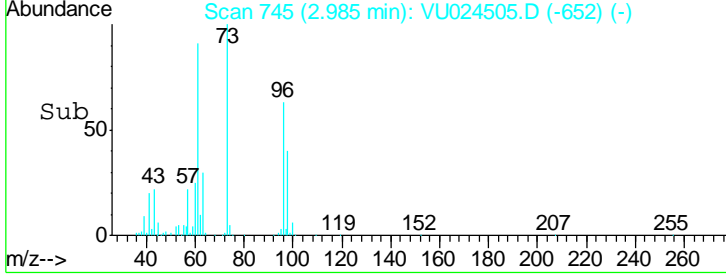
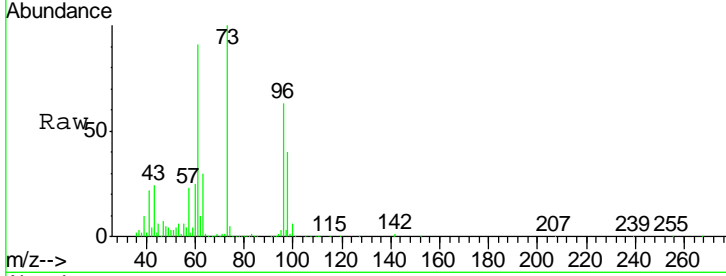
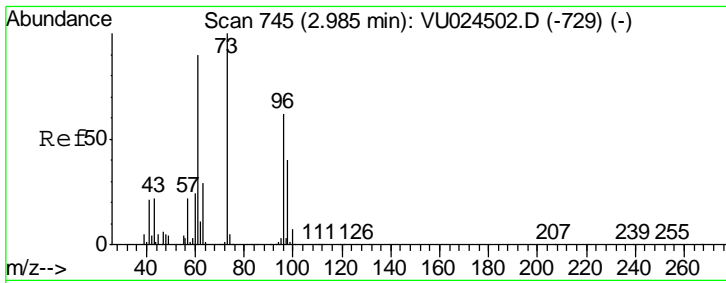
Manual Integrations
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#20
 Methylene Chloride
 Concen: 46.729 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
84	134649		
49	126.0	103.8	155.8
51	39.0	32.0	48.0
86	64.7	51.6	77.4



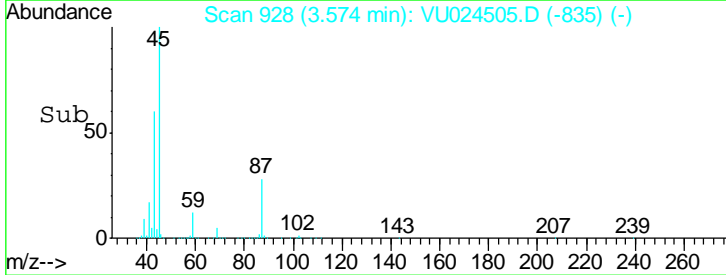
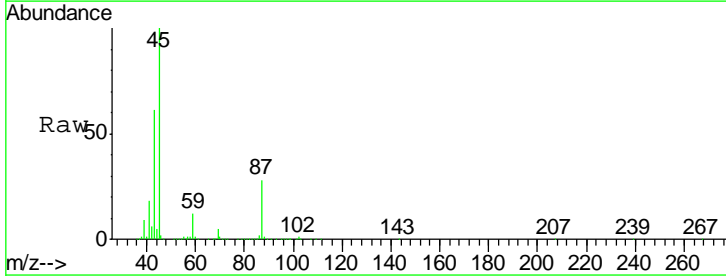
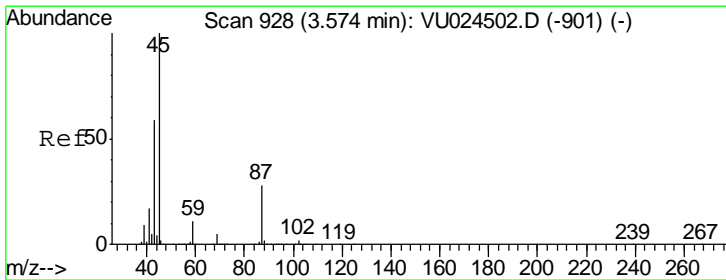
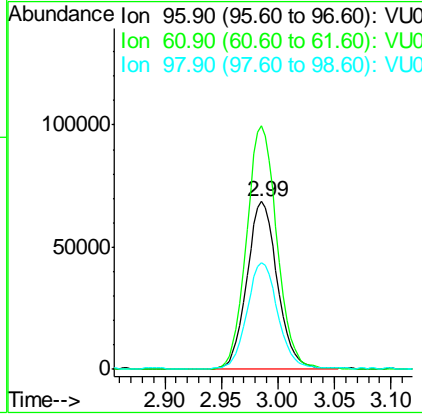


#21
 trans-1,2-Dichloroethene
 Concen: 48.519 ug/l
 RT: 2.99 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
96	127392		
96	100		
61	145.7	119.4	179.0
98	63.6	51.1	76.7

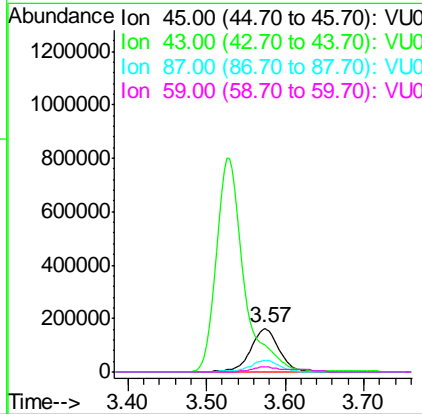
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

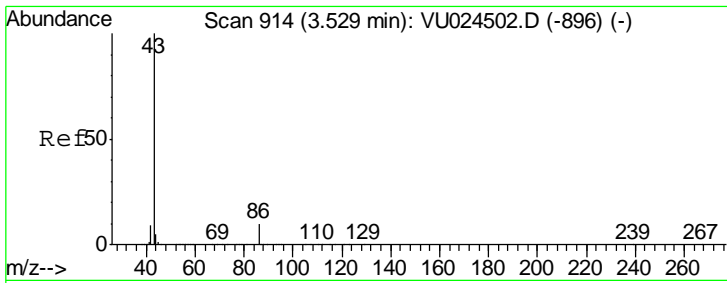
Manual Integrations
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 MMDadoda
 6/14/2018 9:44:48 AM



#22
 Diisopropyl ether
 Concen: 47.871 ug/l
 RT: 3.57 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
45	420034		
45	100		
43	60.1	45.8	68.6
87	27.4	20.6	31.0
59	11.6	9.4	14.0



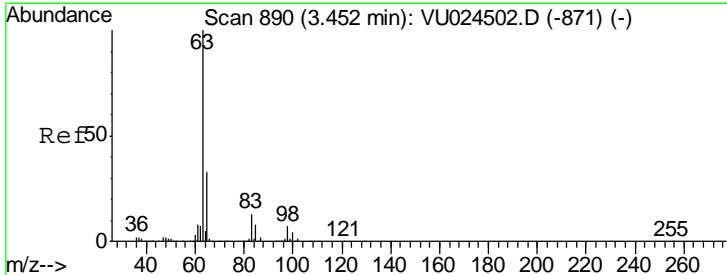
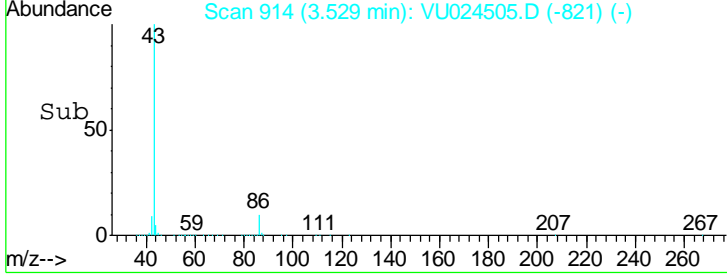
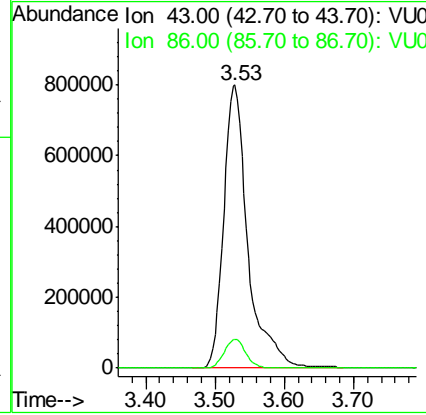
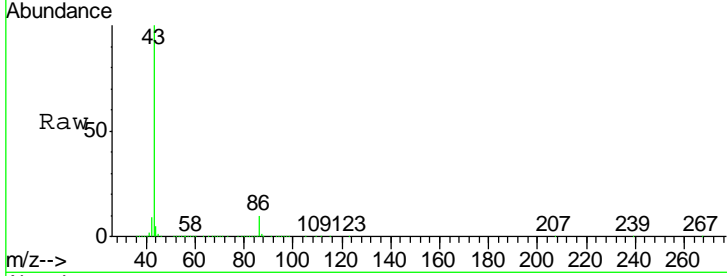


#23
 Vinyl Acetate
 Concen: 245.878 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.3	7.8	11.8

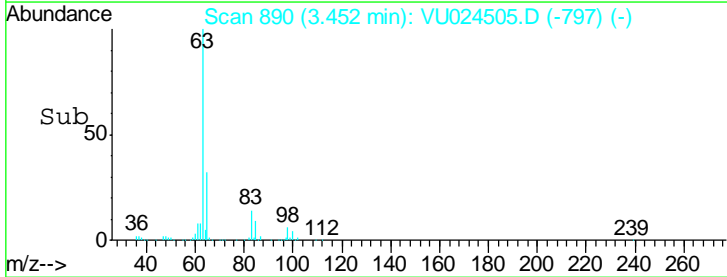
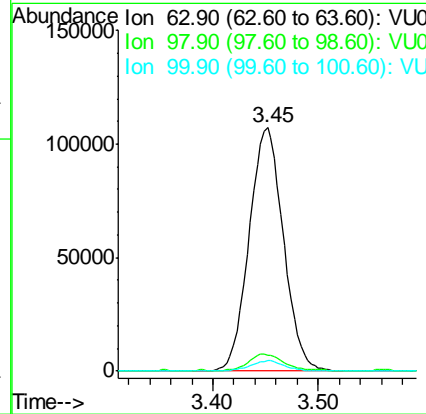
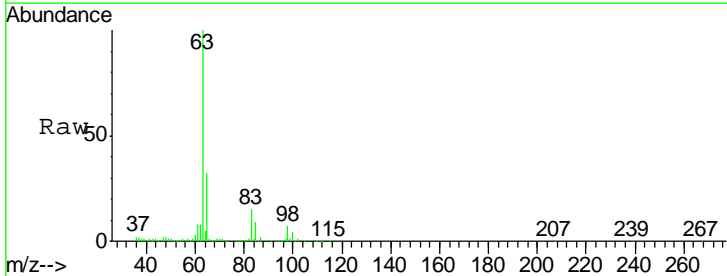
Instrument : MSVOA_U
 Client Sampled : ICVVU061318

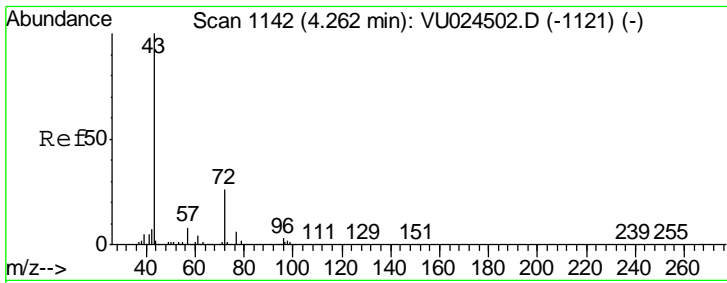
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 48.127 ug/l
 RT: 3.45 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.4	3.5	10.4
100	4.3	1.8	5.5



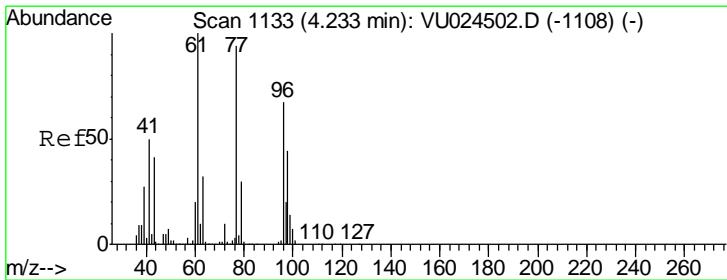
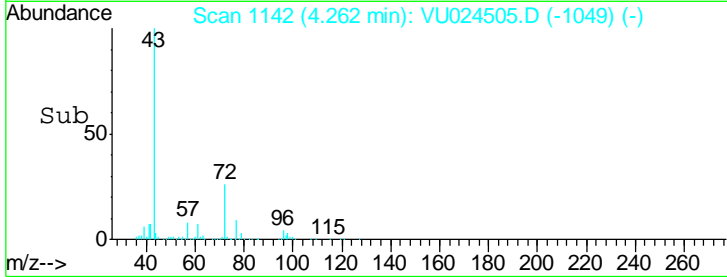
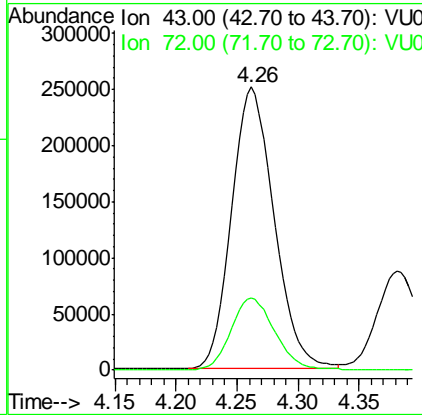
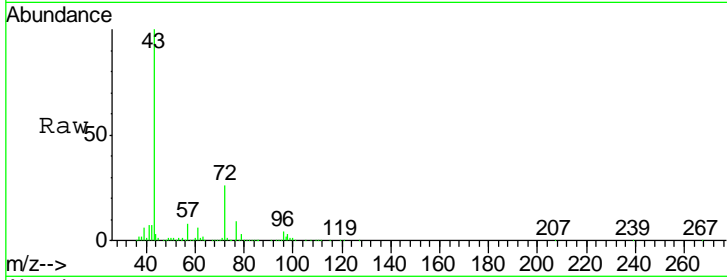


#25
 2-Butanone
 Concen: 245.064 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 ClientSampled : ICVVU061318

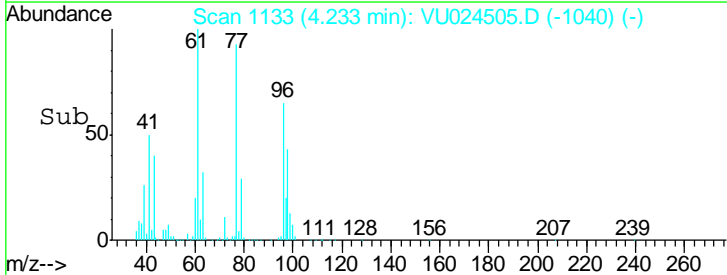
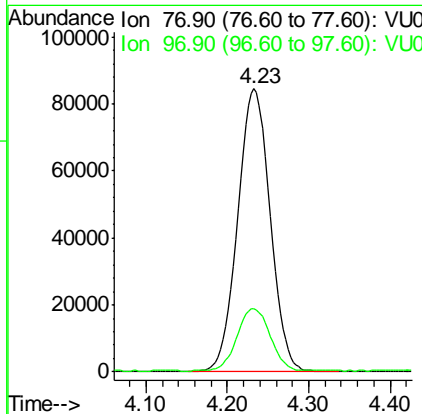
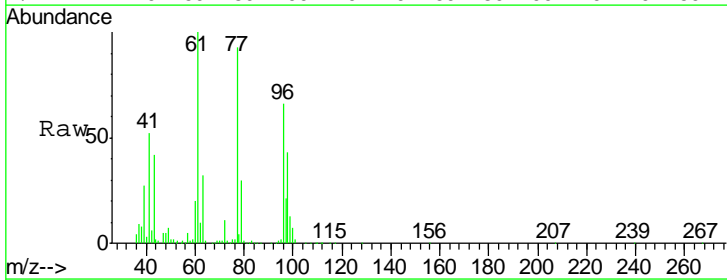
Tgt Ion	Resp	Lower	Upper
43	100		
72	25.5	19.6	29.4

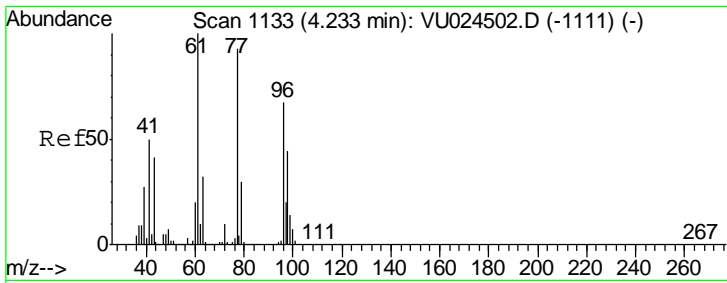
Manual Integrations
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 6/14/2018 9:44:48 AM



#26
 2,2-Dichloropropane
 Concen: 48.558 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
77	100		
97	22.2	11.3	33.8



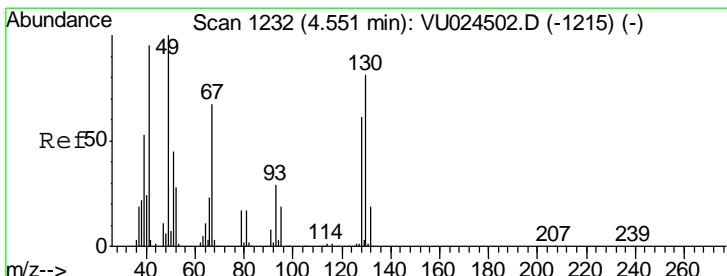
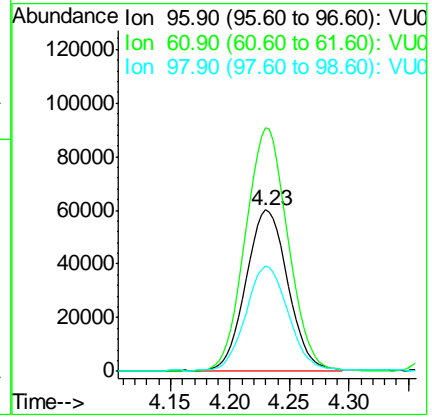
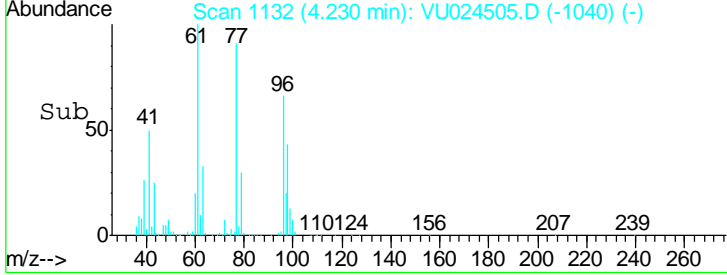
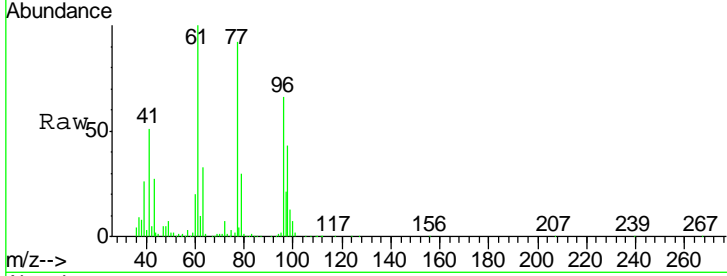


#27
 cis-1,2-Dichloroethene
 Concen: 48.244 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
96	145628		
61	154.9	0.0	306.6
98	65.7	0.0	128.8

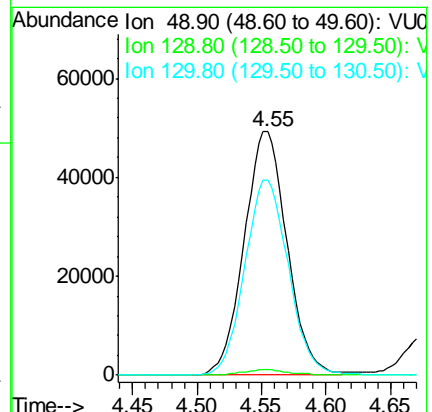
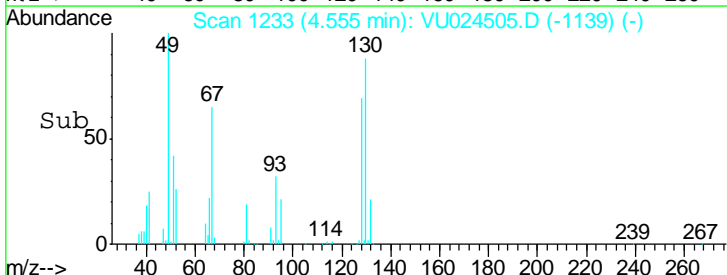
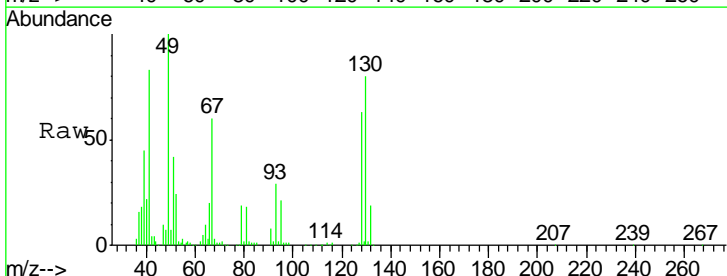
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

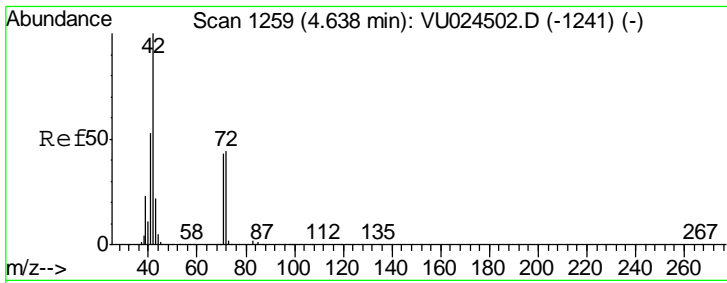
Manual Integrations
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#28
 Bromochloromethane
 Concen: 51.325 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
49	114112		
129	2.4	0.0	3.8
130	81.6	57.8	86.6



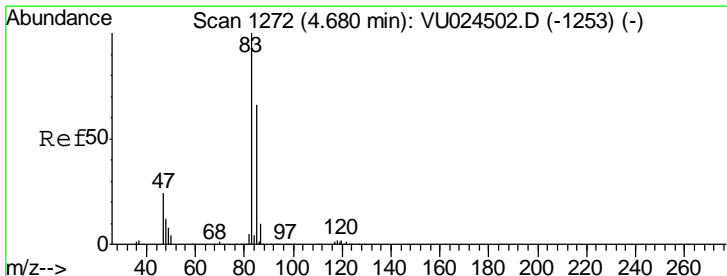
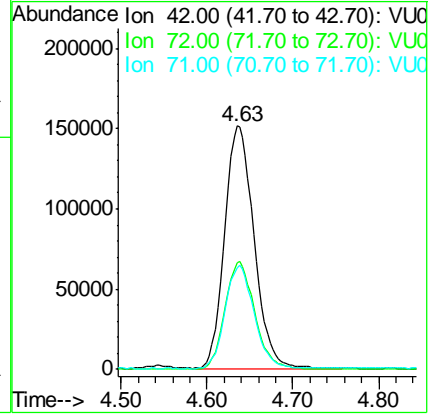
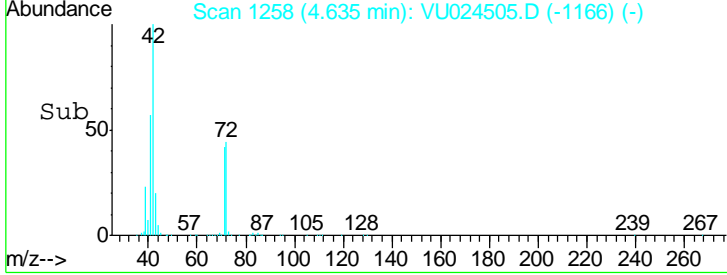
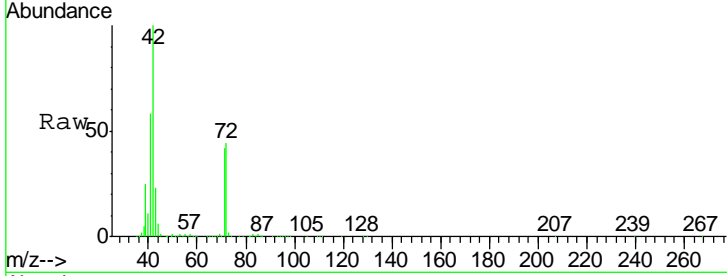


#29
 Tetrahydrofuran
 Concen: 234.962 ug/l
 RT: 4.63 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
42	358918		
72	45.1	34.5	51.7
71	42.1	32.2	48.4

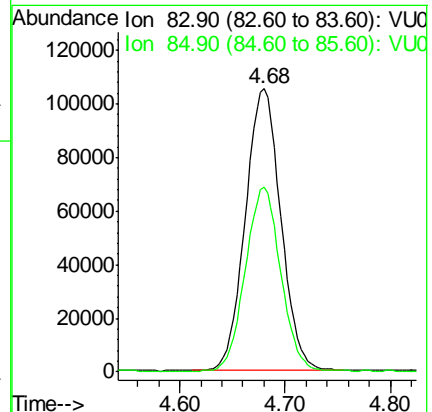
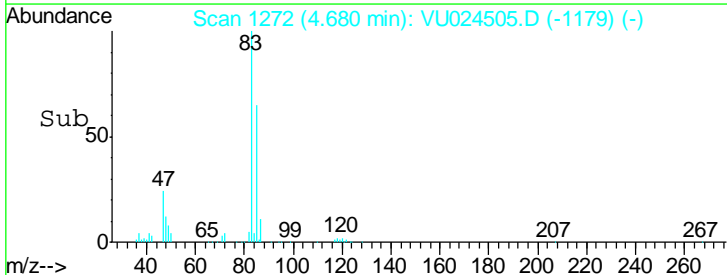
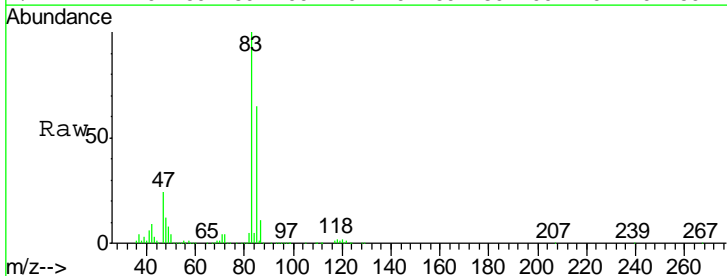
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

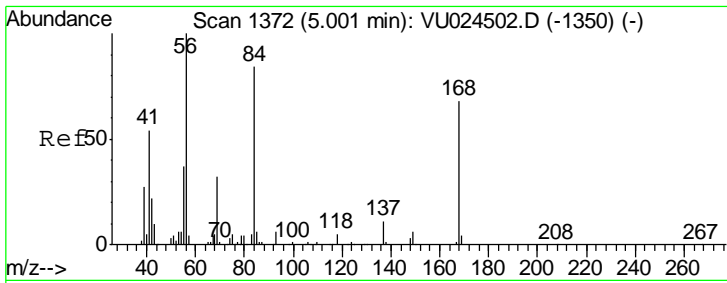
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#30
 Chloroform
 Concen: 48.304 ug/l
 RT: 4.68 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
83	246789		
85	65.2	52.4	78.6



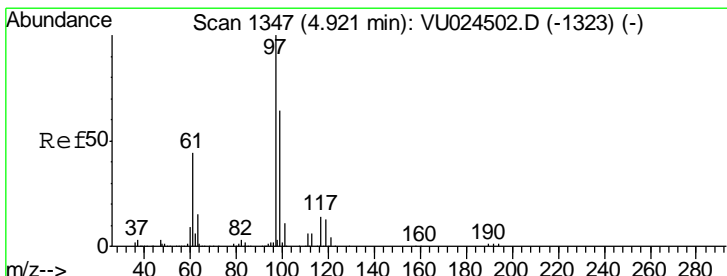
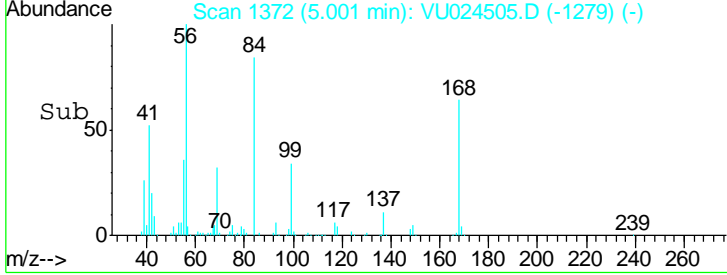
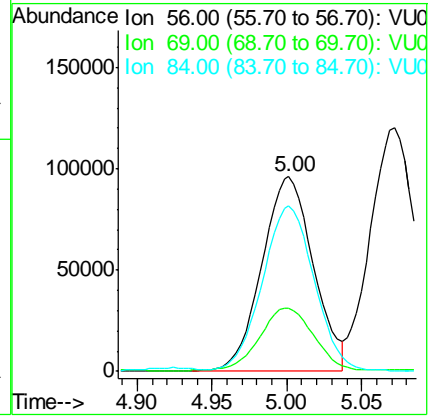
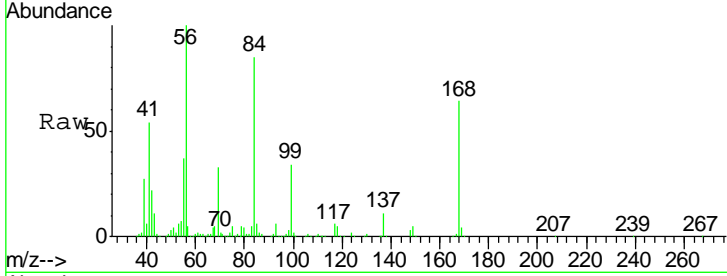


#31
 Cyclohexane
 Concen: 50.739 ug/l
 RT: 5.00 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 ClientSampled : ICVVU061318

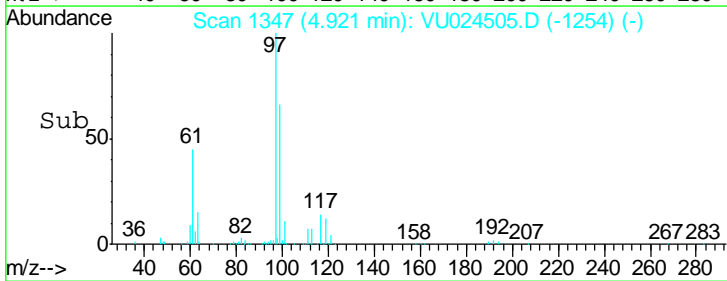
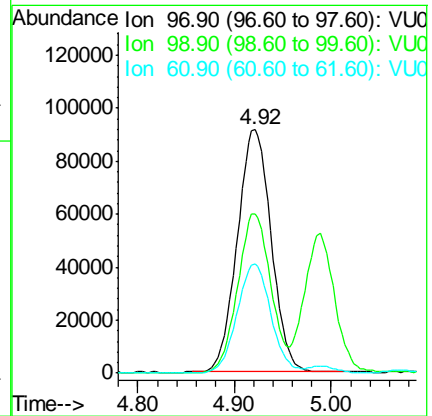
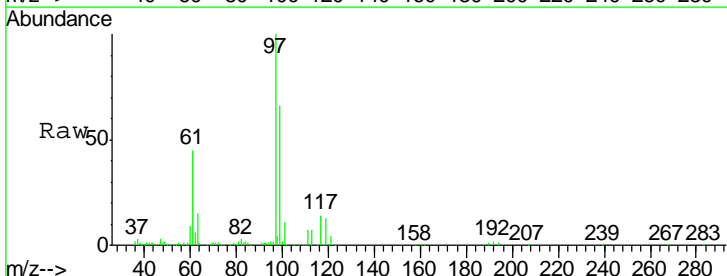
Tgt Ion	Resp	Lower	Upper
56	100		
69	32.1	24.8	37.2
84	84.0	65.2	97.8

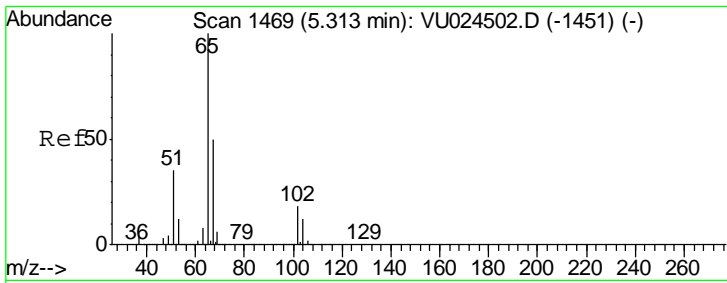
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#32
 1,1,1-Trichloroethane
 Concen: 47.188 ug/l
 RT: 4.92 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	45.1	39.4	59.0



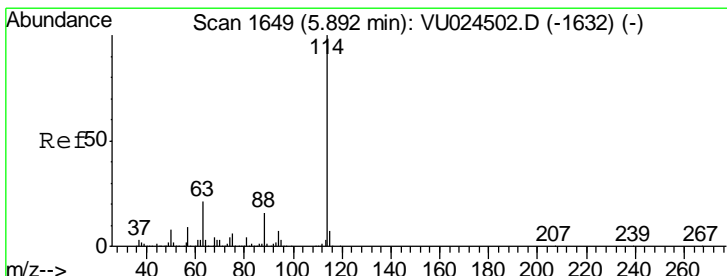
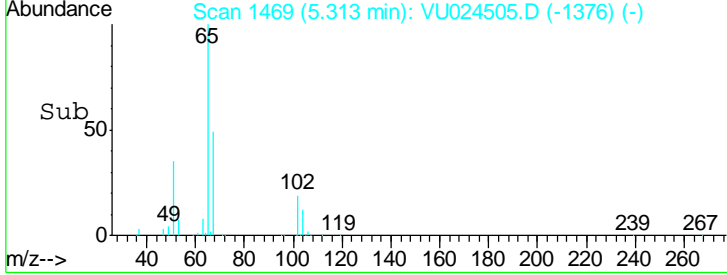
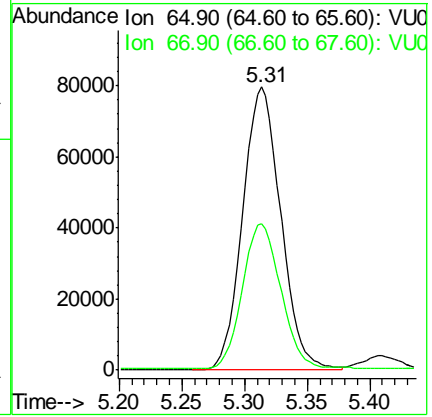
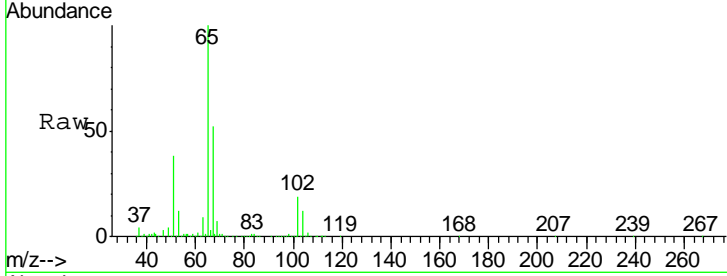


#33
 1,2-Dichloroethane-d4
 Concen: 49.413 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
65	168888		
67	50.9	0.0	107.0

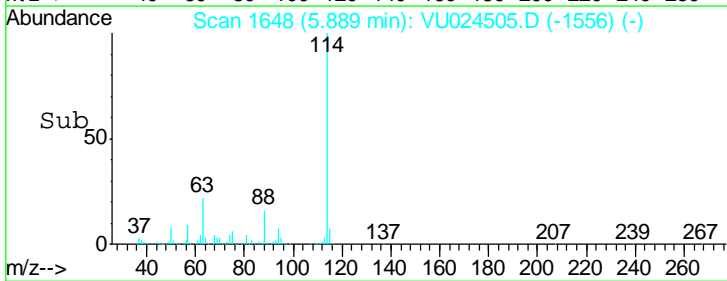
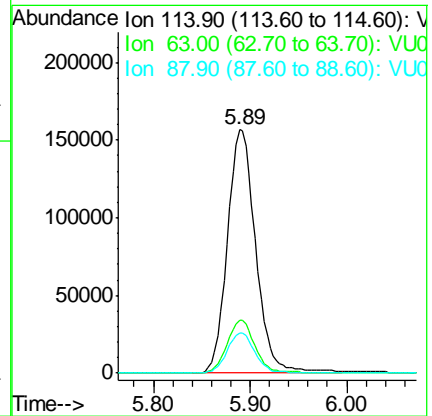
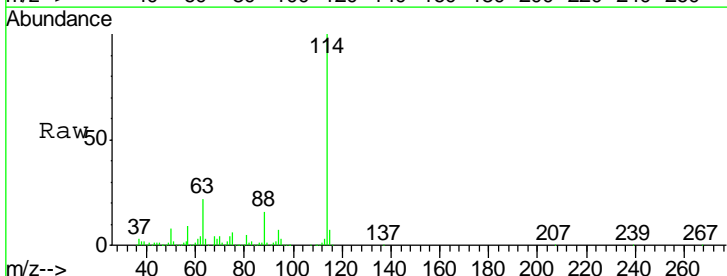
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

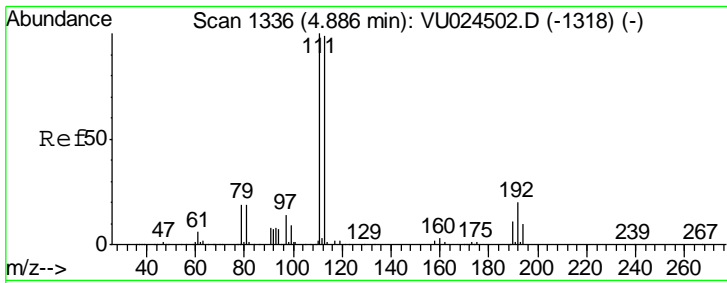
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
114	320083		
63	21.9	0.0	45.4
88	16.3	0.0	31.0



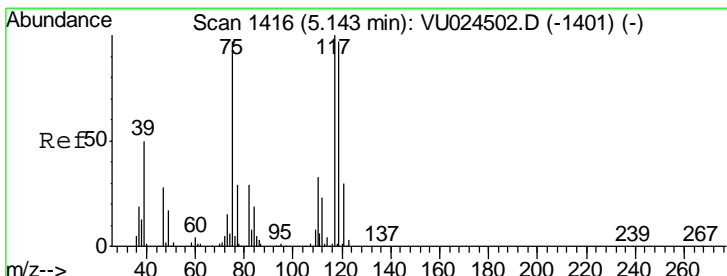
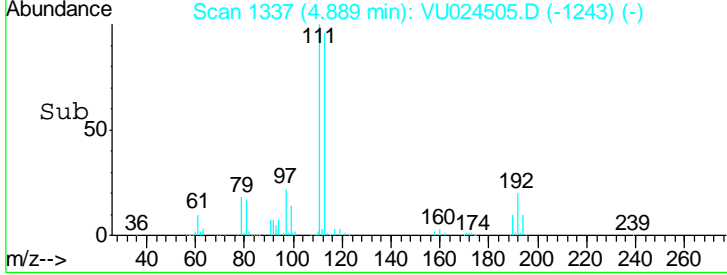
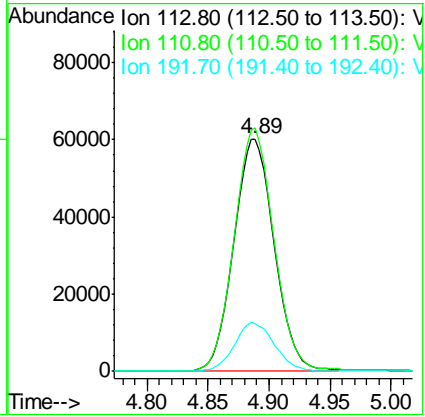
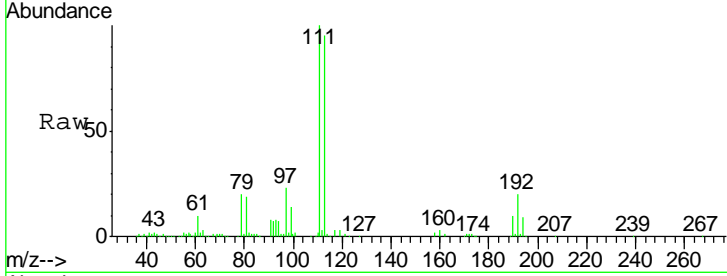


#35
 Dibromofluoromethane
 Concen: 51.913 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 Client Sampled : ICVVU061318

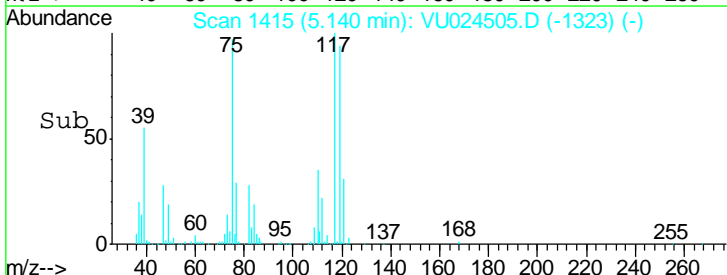
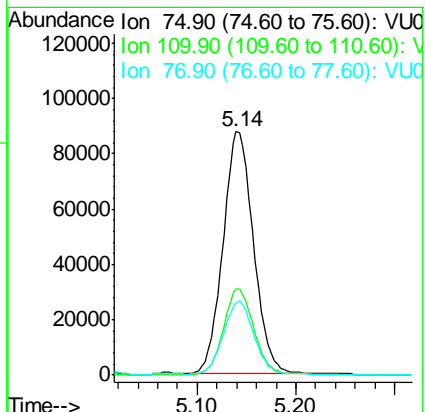
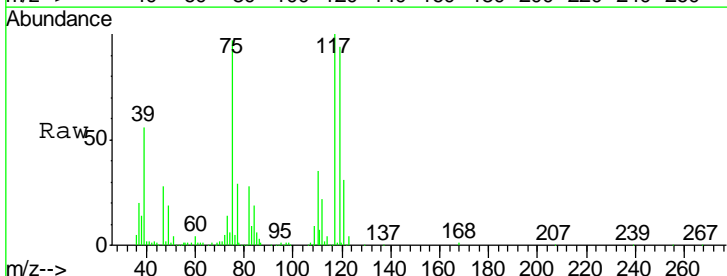
Tgt Ion	Resp	Lower	Upper
113	137903		
111	102.4	82.2	123.4
192	20.9	16.2	24.4

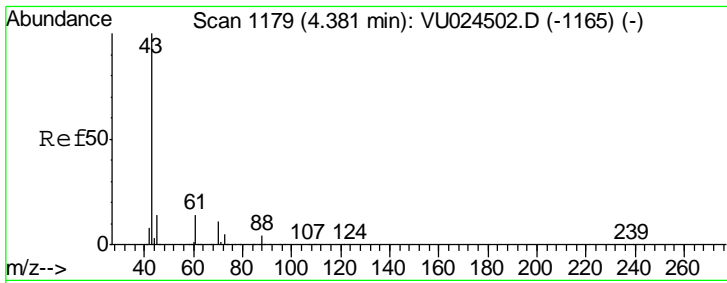
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 50.370 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

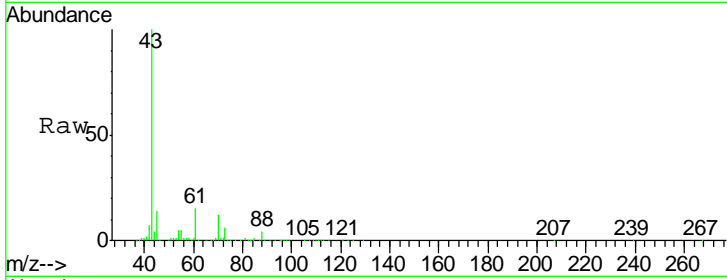
Tgt Ion	Resp	Lower	Upper
75	189454		
110	35.2	17.0	50.9
77	30.0	24.2	36.4





#37
Ethyl Acetate
Concen: 51.151 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

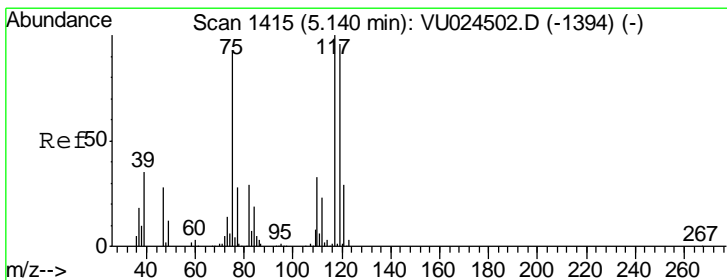
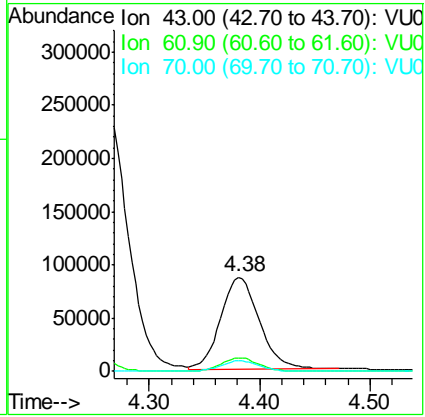
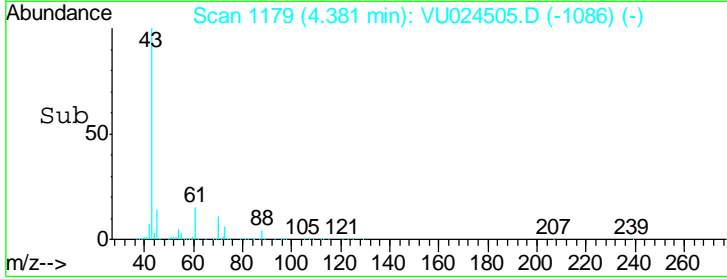
Instrument : MSVOA_U
Client Sampled : ICVVU061318



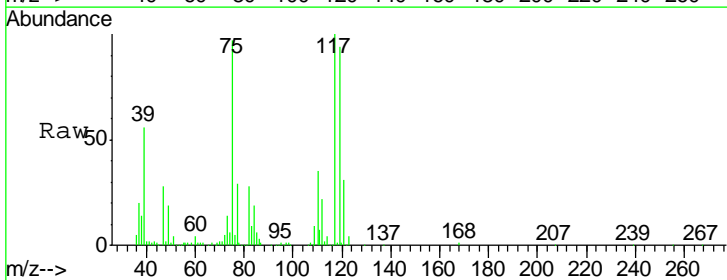
Tgt Ion: 43 Resp: 209691

Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	10.8	7.4	11.2

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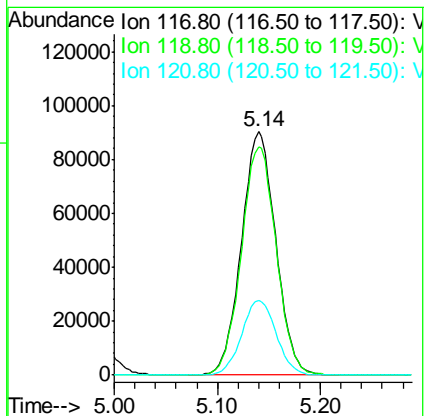
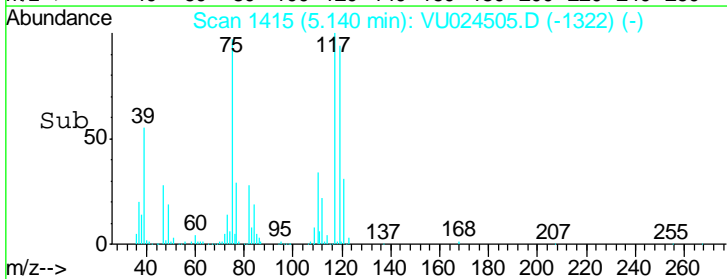


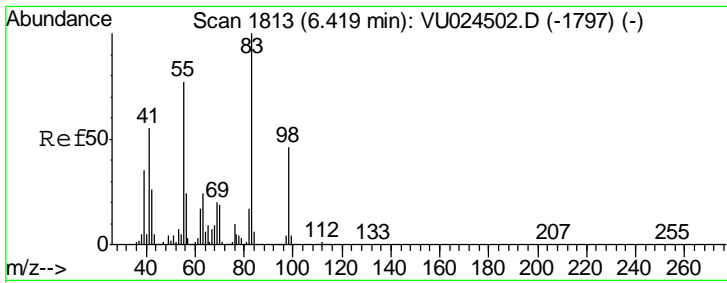
#38
Carbon Tetrachloride
Concen: 50.212 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54



Tgt Ion: 117 Resp: 207682

Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.1	114.1
121	30.8	23.7	35.5



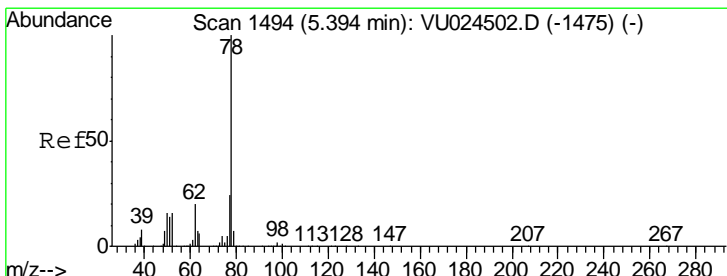
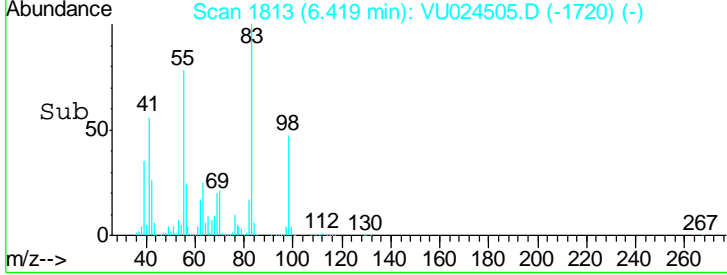
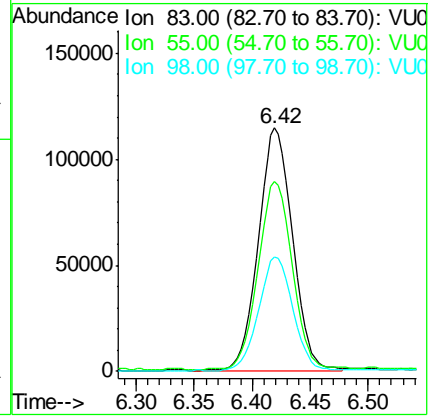
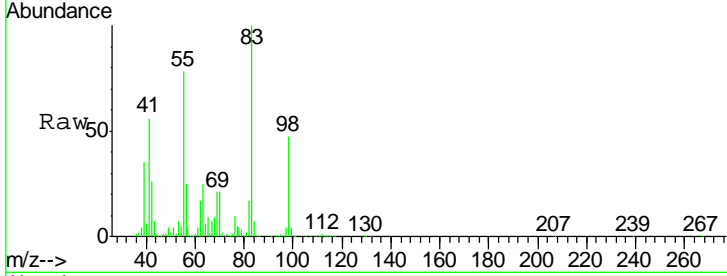


#39
 Methylcyclohexane
 Concen: 49.813 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 ClientSampled : ICVVU061318

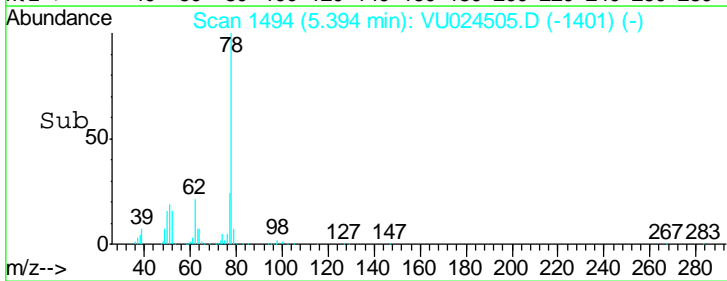
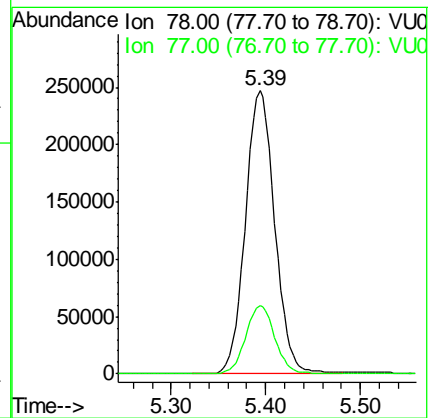
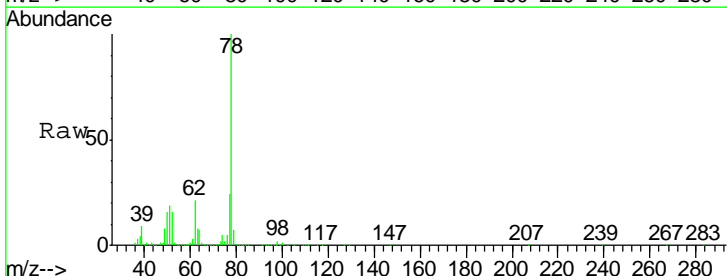
Tgt Ion	Resp	Lower	Upper
83	233808		
55	77.5	65.8	98.6
98	47.0	36.7	55.1

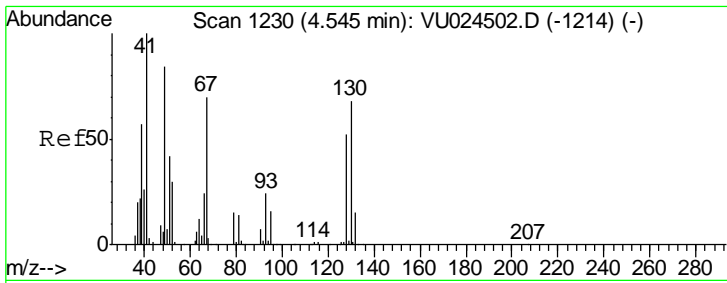
Manual Integrations
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 MMDadoda
 6/14/2018 9:44:48 AM



#40
 Benzene
 Concen: 49.685 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

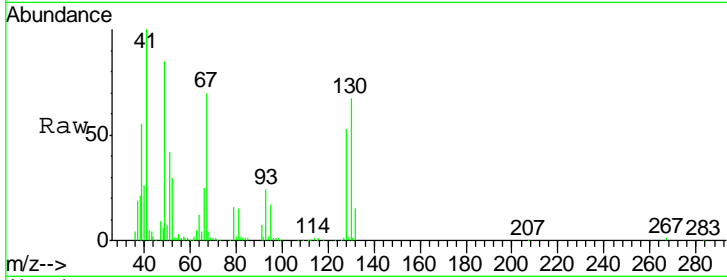
Tgt Ion	Resp	Lower	Upper
78	532500		
77	24.2	19.2	28.8





#41
 Methacrylonitrile
 Concen: 52.033 ug/l
 RT: 4.54 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

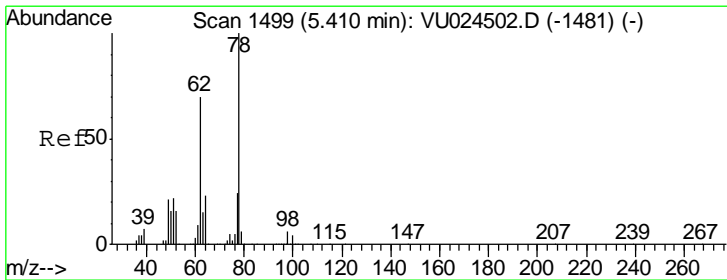
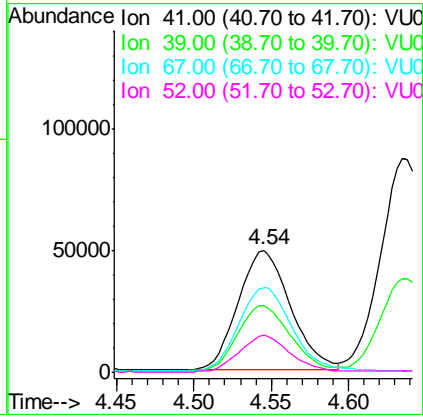
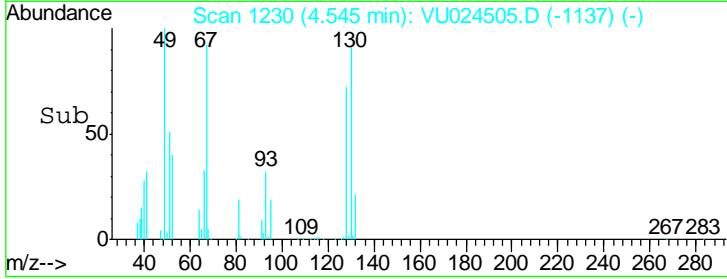
Instrument : MSVOA_U
 ClientSampled : ICVVU061318



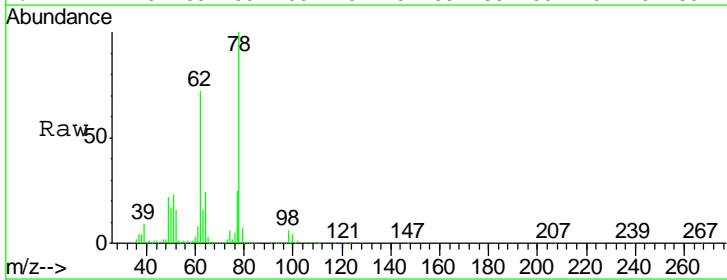
Tgt Ion: 41 Resp: 115007

Ion	Ratio	Lower	Upper
41	100		
39	55.4	43.8	65.6
67	71.8	56.3	84.5
52	29.7	23.2	34.8

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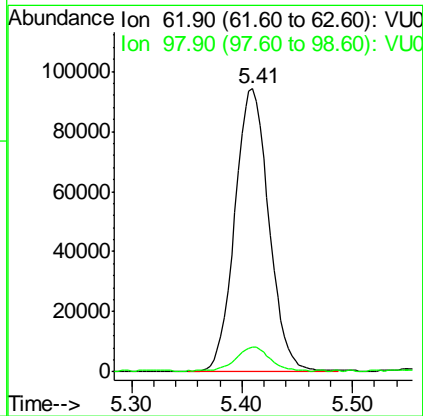
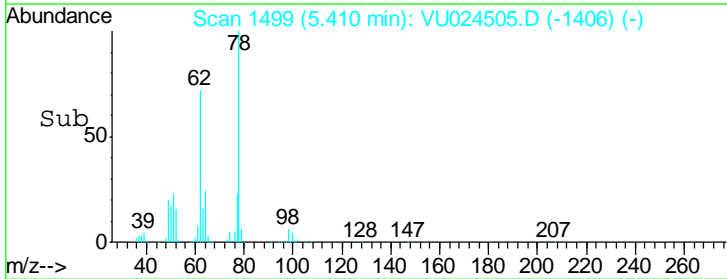


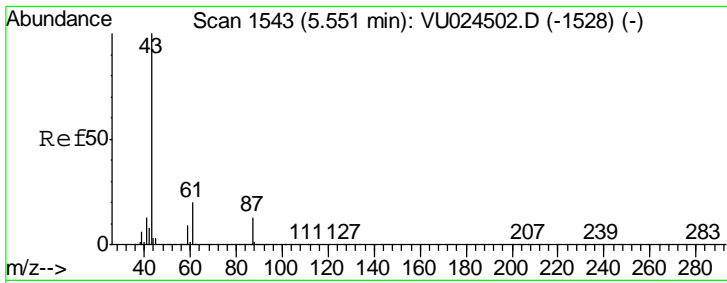
#42
 1,2-Dichloroethane
 Concen: 49.500 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



Tgt Ion: 62 Resp: 202051

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6



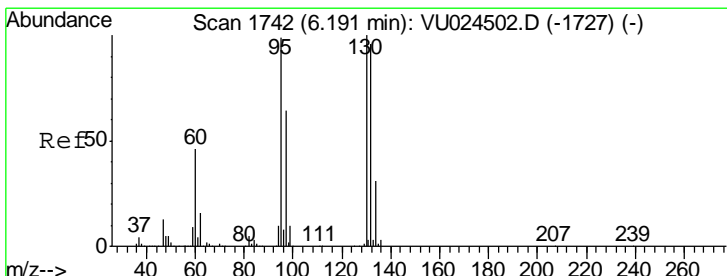
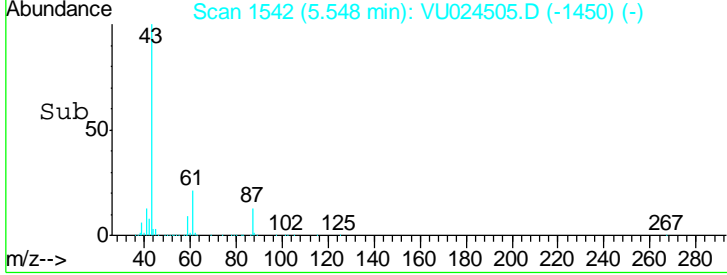
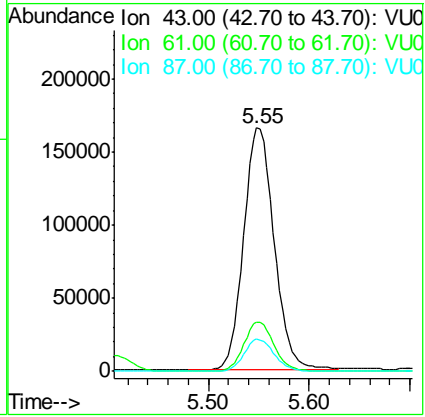
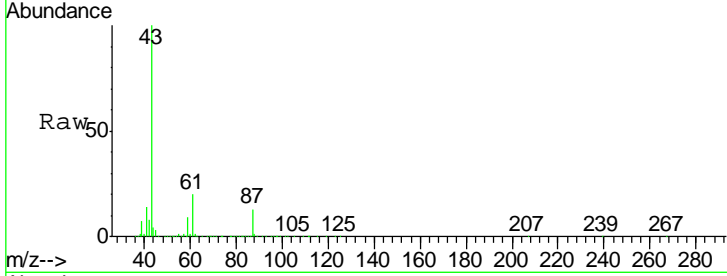


#43
 Isopropyl Acetate
 Concen: 48.478 ug/l
 RT: 5.55 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.3	15.4	23.0
87	13.4	10.0	15.0

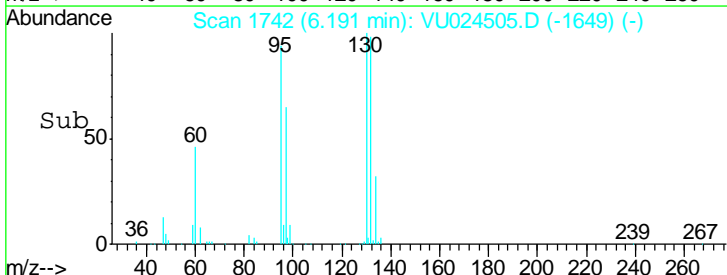
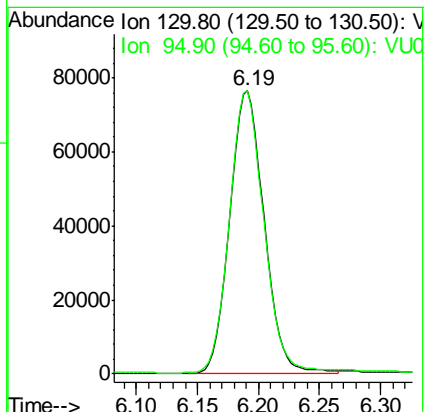
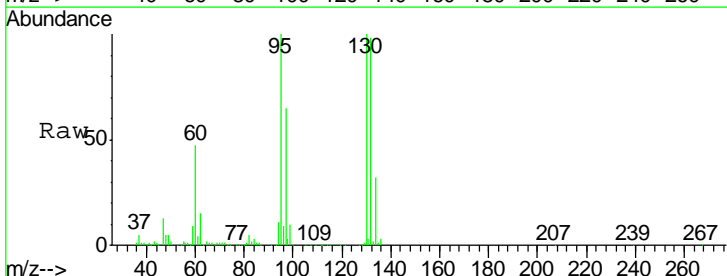
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

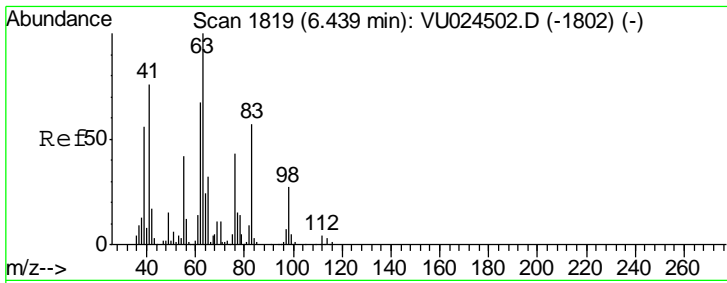
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#44
 Trichloroethene
 Concen: 49.364 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
130	100		
95	99.5	0.0	202.4



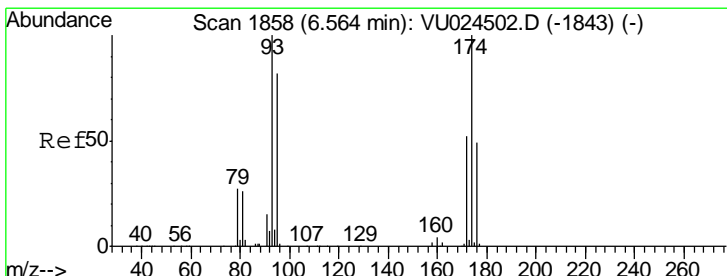
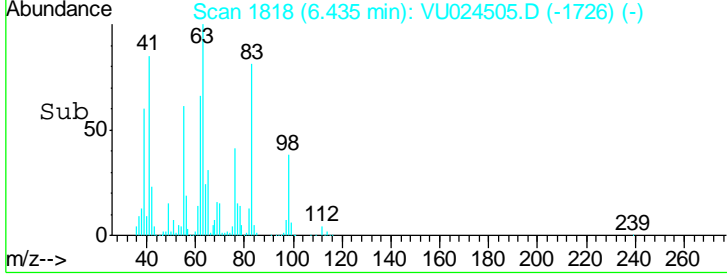
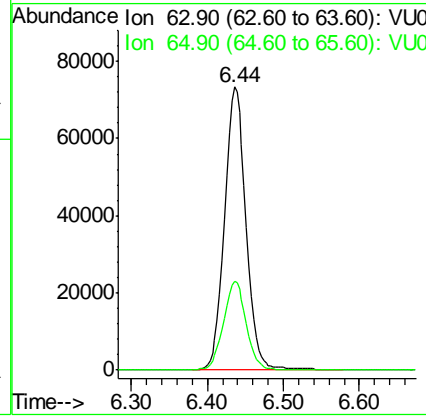
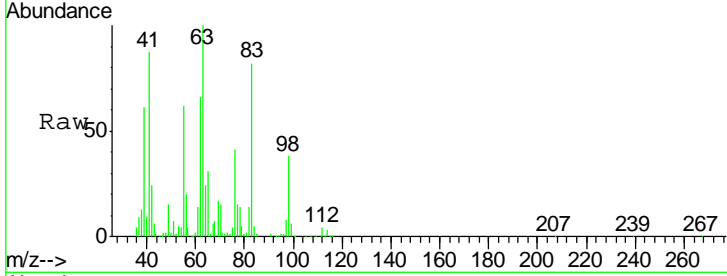


#45
 1,2-Dichloropropane
 Concen: 50.494 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 ClientSampled : ICVVU061318

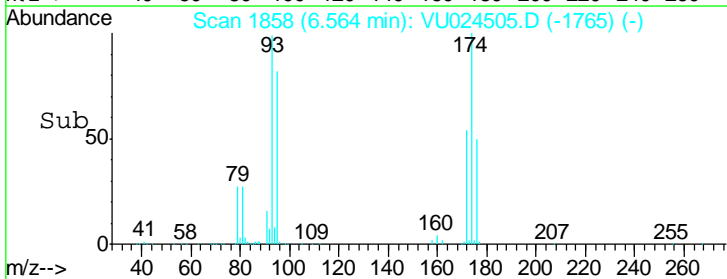
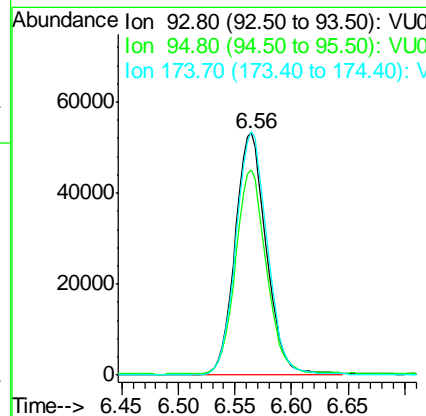
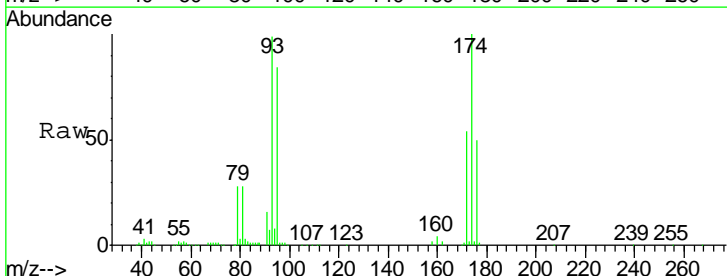
Tgt Ion	Resp	Lower	Upper
63	144397		
63	100		
65	31.4	24.8	37.2

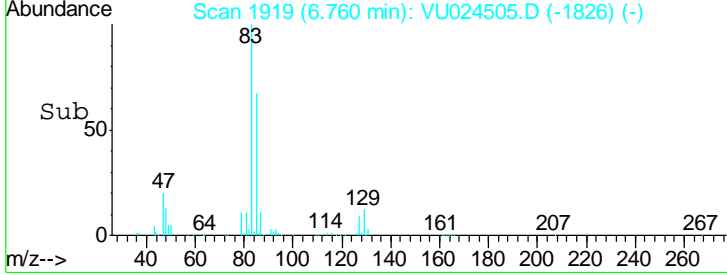
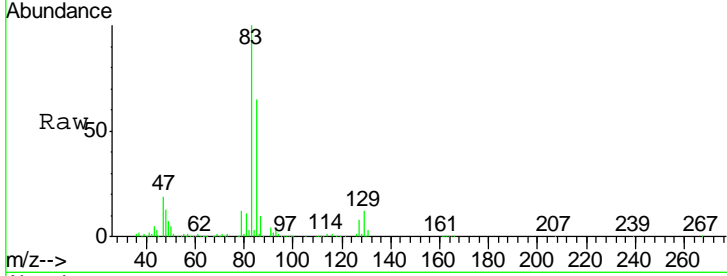
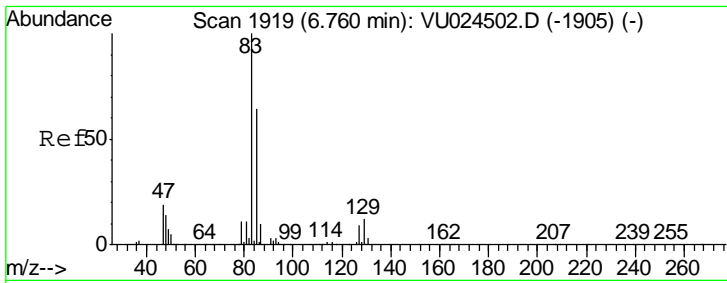
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#46
 Dibromomethane
 Concen: 51.016 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
93	102474		
93	100		
95	82.6	65.5	98.3
174	101.2	78.7	118.1



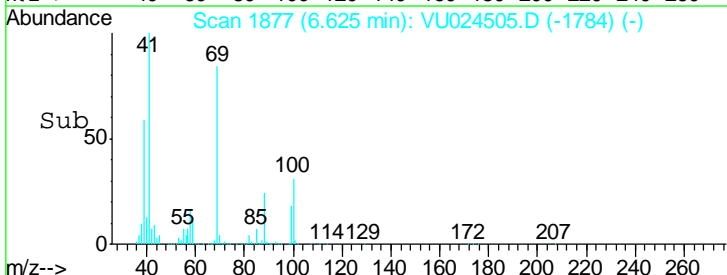
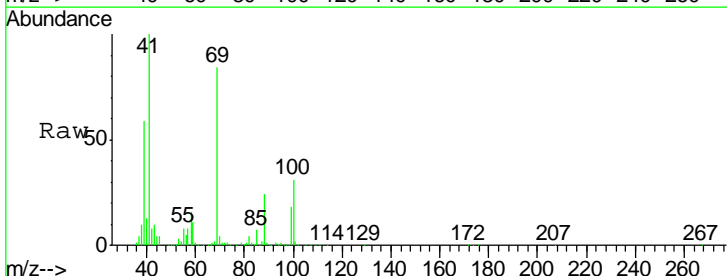
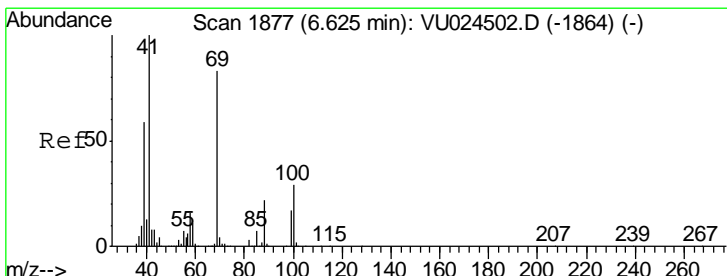
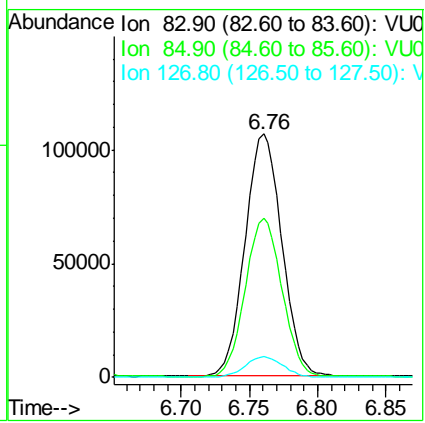


#47
 Bromodichloromethane
 Concen: 50.035 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
83	200130		
85	65.2	51.9	77.9
127	8.5	6.6	9.8

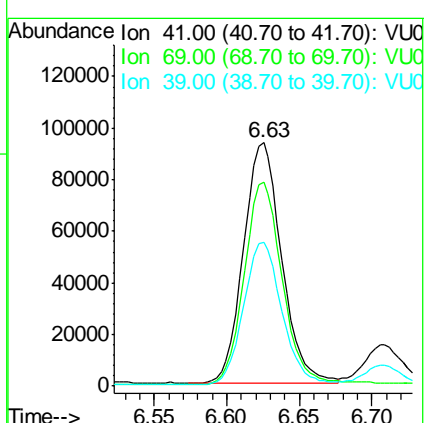
Instrument : MSVOA_U
 Client Sampled : ICVVU061318

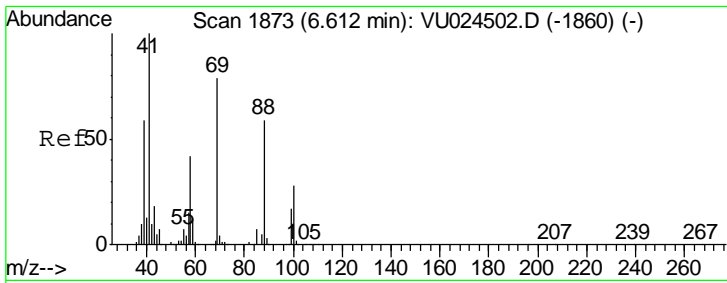
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#48
 Methyl methacrylate
 Concen: 49.636 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
41	171269		
69	84.0	67.3	100.9
39	59.4	46.5	69.7



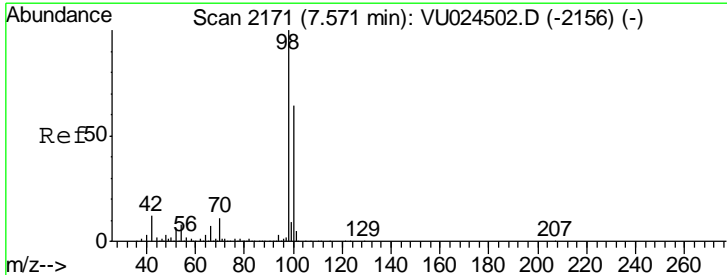
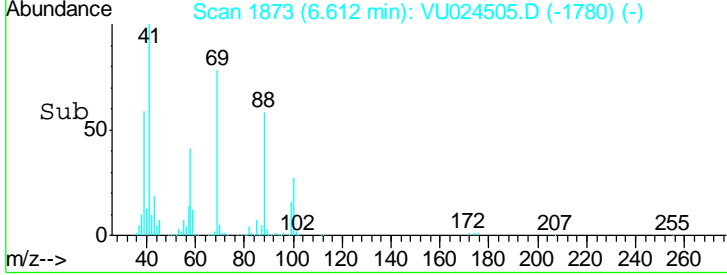
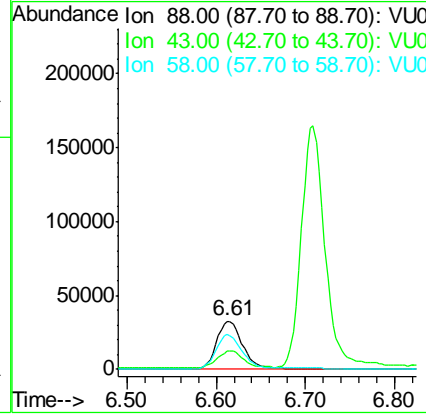
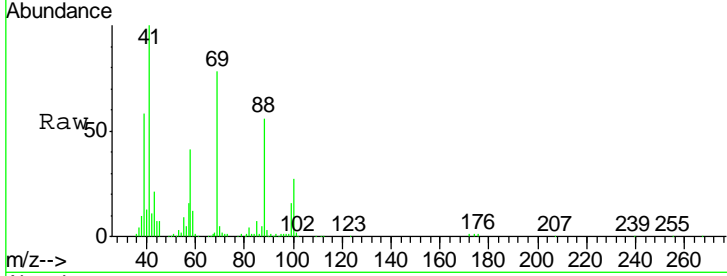


#49
 1,4-Dioxane
 Concen: 975.265 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 ClientSampled : ICVVU061318

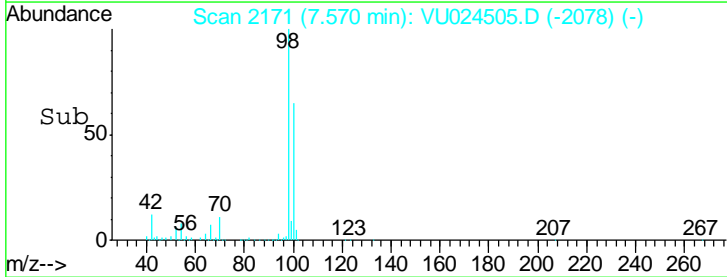
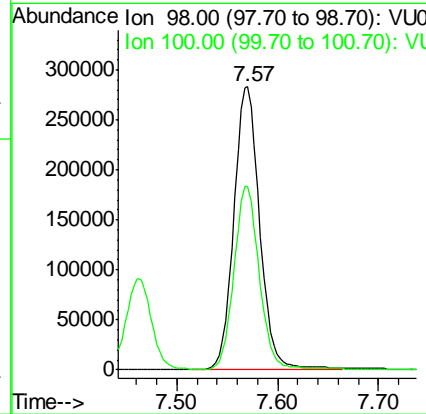
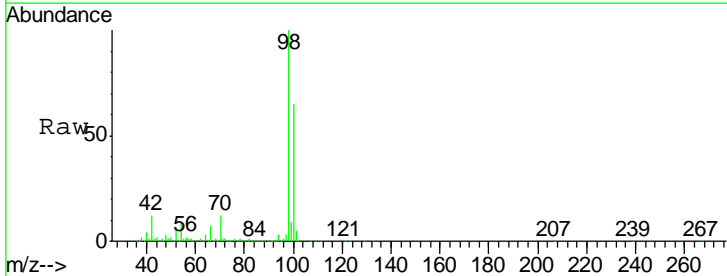
Tgt Ion	Resp	Lower	Upper
88	65810		
88	100		
43	35.5	28.6	42.8
58	69.4	58.2	87.4

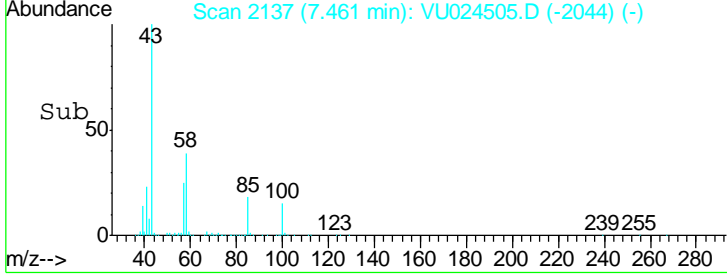
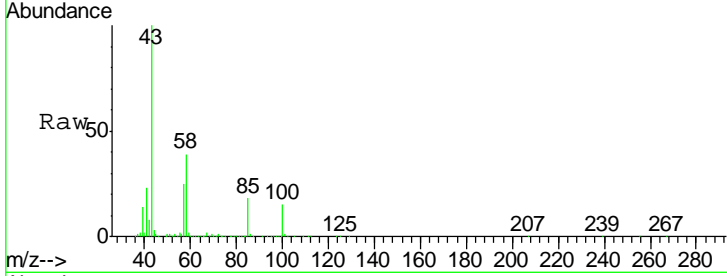
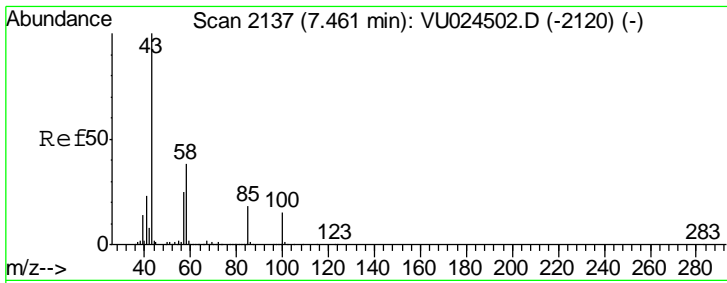
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#50
 Toluene-d8
 Concen: 52.092 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
98	504755		
98	100		
100	63.5	51.1	76.7





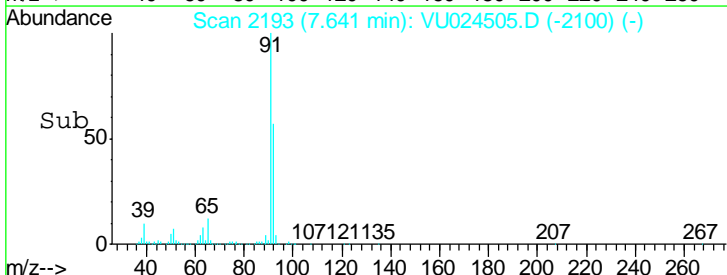
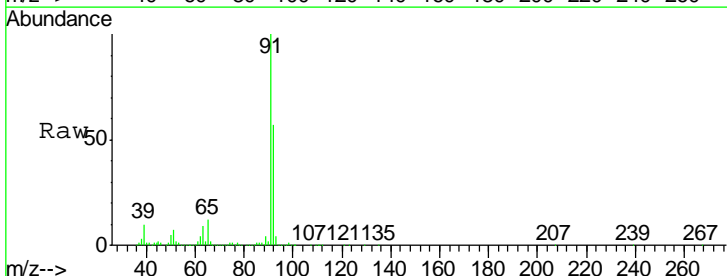
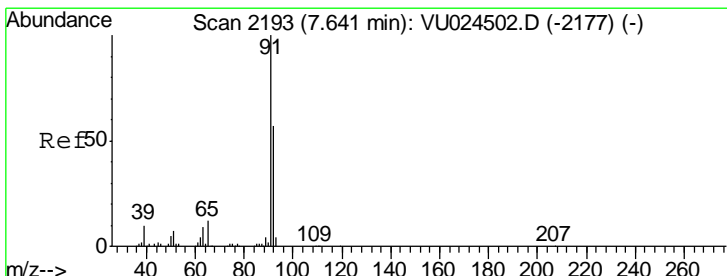
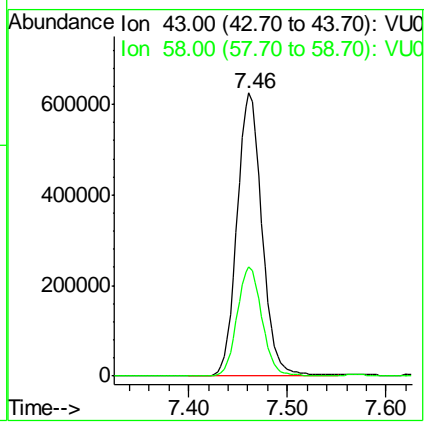
#51
 4-Methyl-2-Pentanone
 Concen: 245.208 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion: 43 Resp: 1091631

Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.0	45.0

Instrument : MSVOA_U
 ClientSampled : ICVVU061318

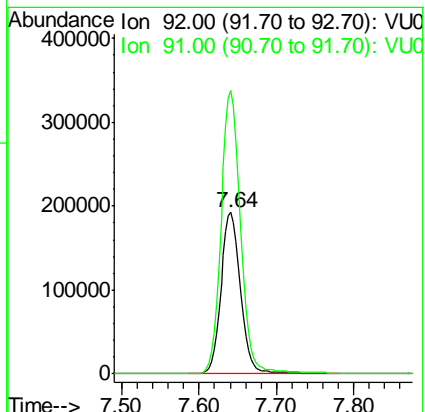
Manual Integrations
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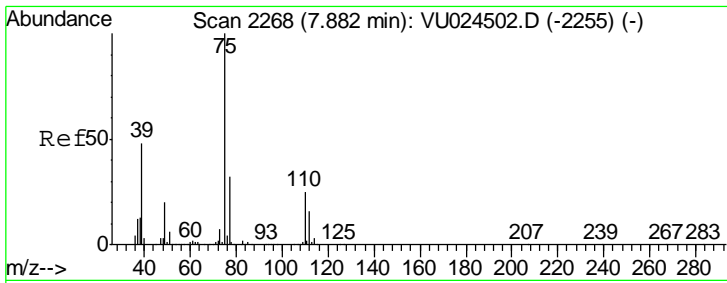


#52
 Toluene
 Concen: 49.648 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion: 92 Resp: 342331

Ion	Ratio	Lower	Upper
92	100		
91	174.8	140.5	210.7



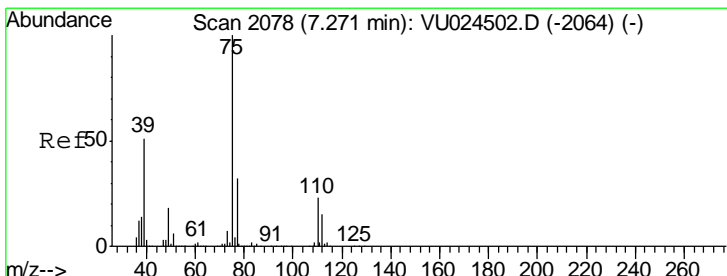
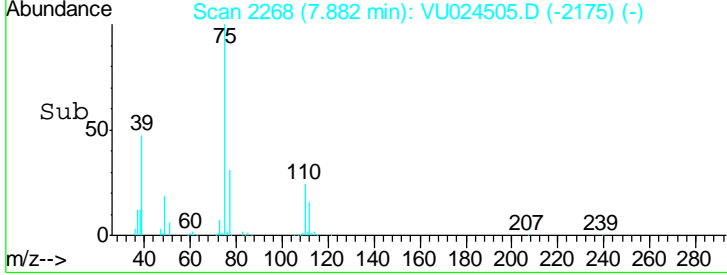
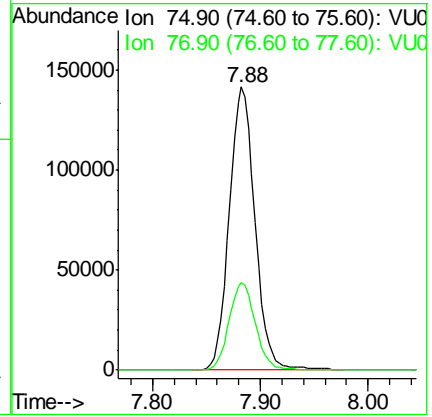
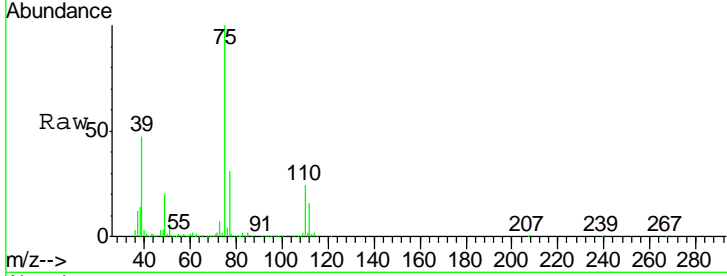


#53
 t-1,3-Dichloropropene
 Concen: 52.360 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
75	235190		
77	31.0	24.8	37.2

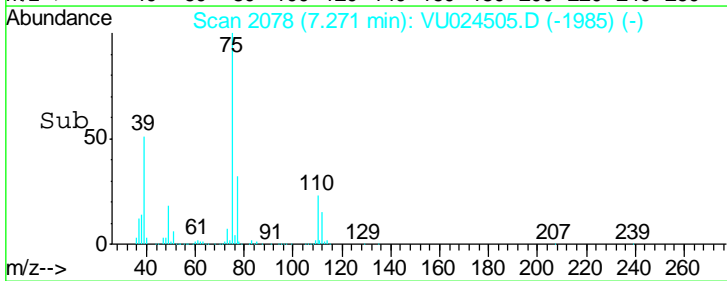
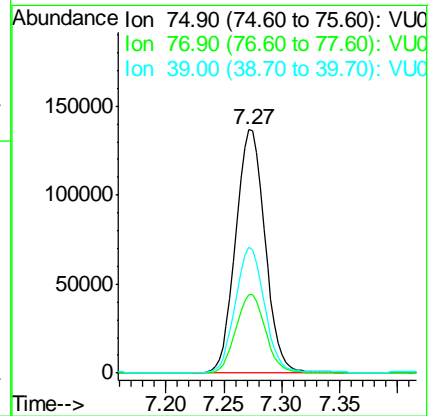
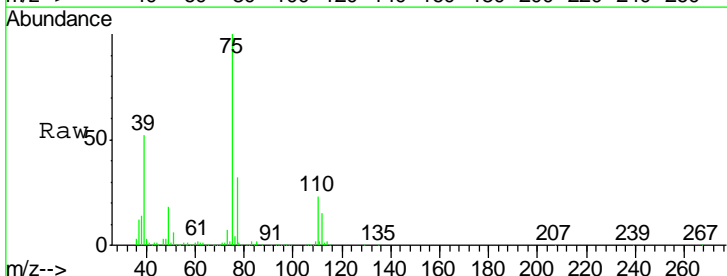
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

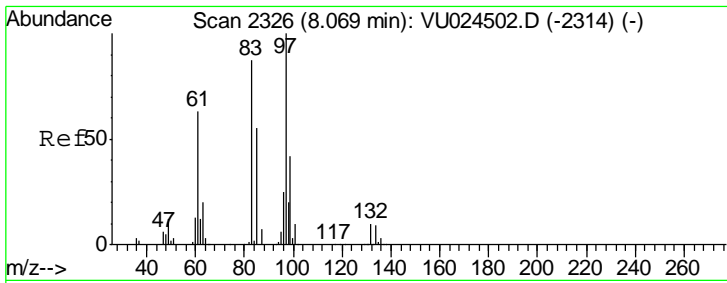
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#54
 cis-1,3-Dichloropropene
 Concen: 50.126 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

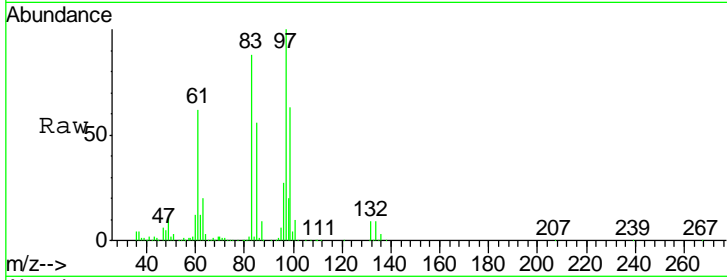
Tgt Ion	Resp	Lower	Upper
75	239919		
77	31.9	24.6	36.8
39	51.4	39.8	59.6





#55
 1,1,2-Trichloroethane
 Concen: 47.676 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

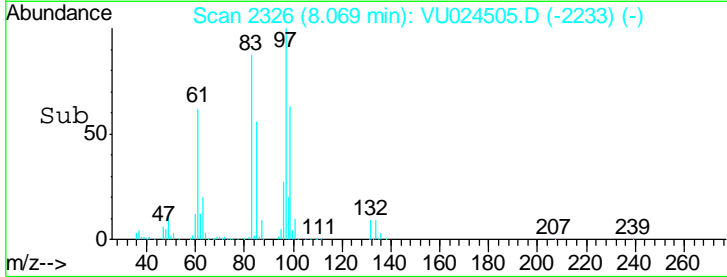
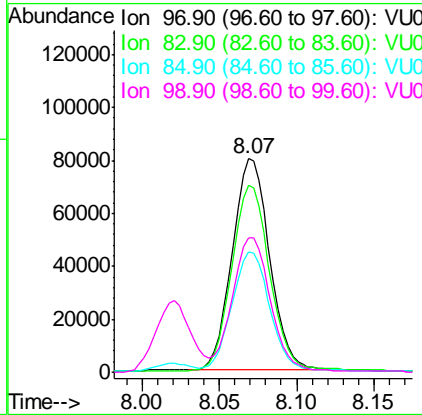
Instrument : MSVOA_U
 Client Sampled : ICVVU061318



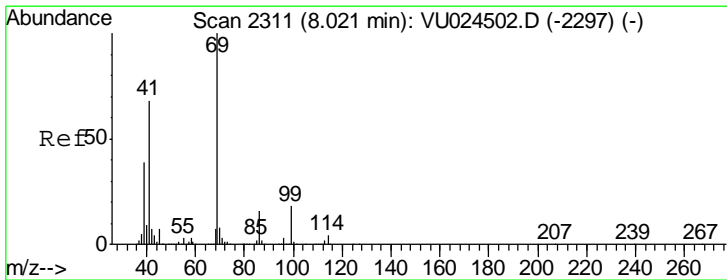
Tgt Ion: 97 Resp: 133628

Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.5	105.7
85	56.0	46.4	69.6
99	63.1	50.2	75.2

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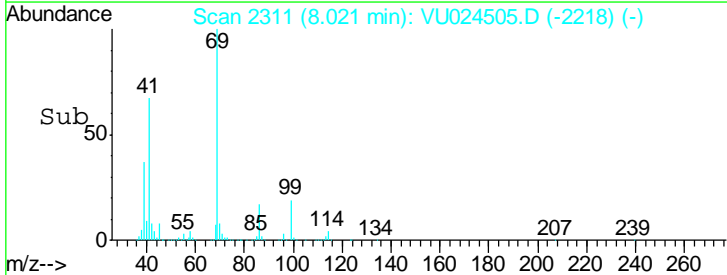
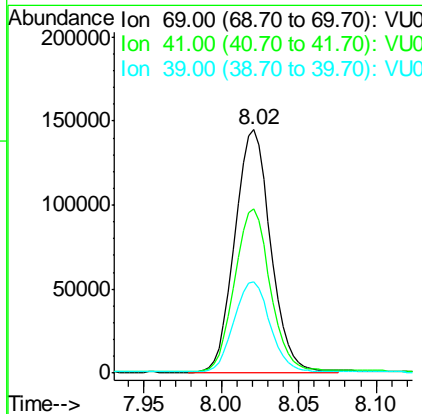


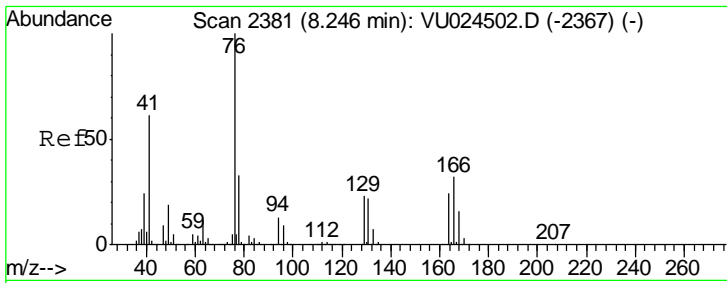
#56
 Ethyl methacrylate
 Concen: 49.467 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



Tgt Ion: 69 Resp: 232061

Ion	Ratio	Lower	Upper
69	100		
41	66.5	54.1	81.1
39	37.6	30.3	45.5



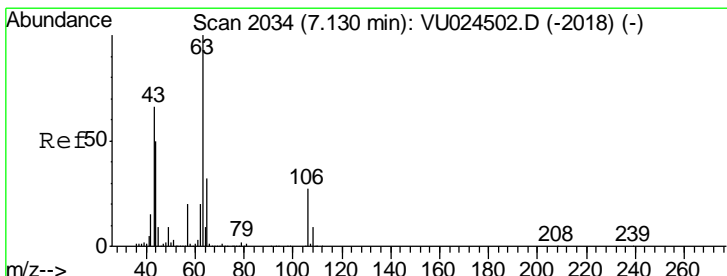
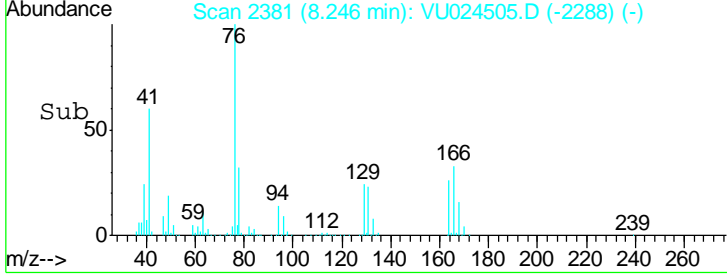
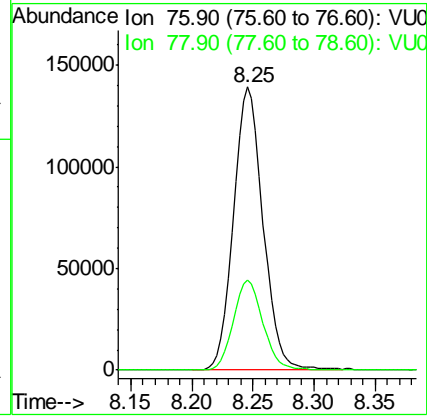
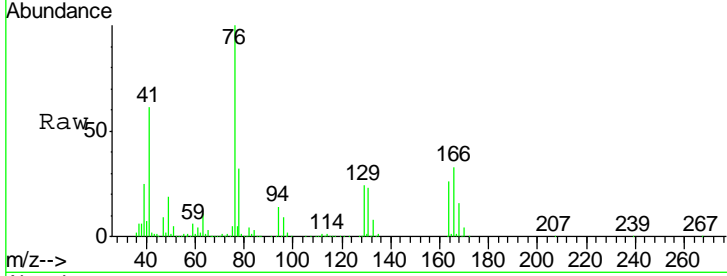


#57
 1,3-Dichloropropane
 Concen: 49.777 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 ClientSampled : ICVVU061318

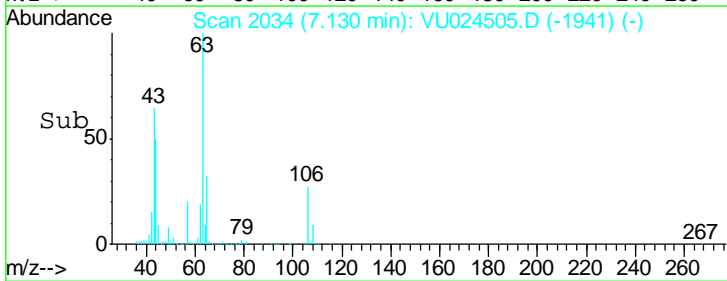
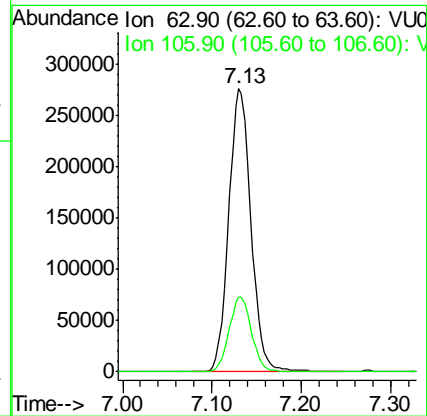
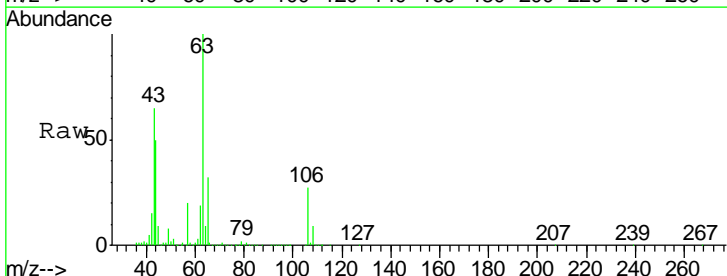
Tgt Ion	Resp	Lower	Upper
76	100		
78	32.1	25.2	37.8

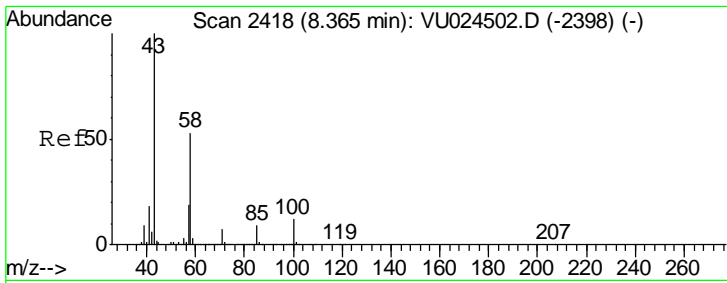
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 265.200 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
63	100		
106	26.7	20.2	30.2



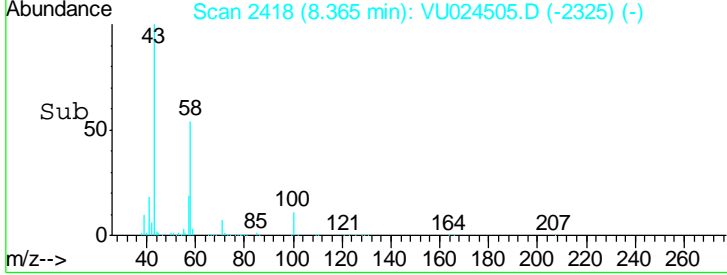
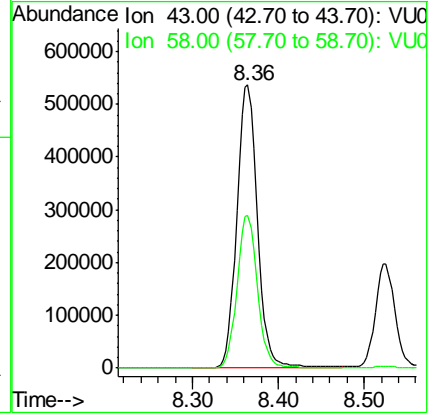
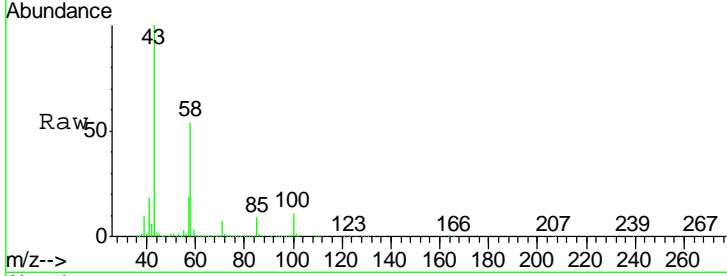


#59
 2-Hexanone
 Concen: 243.947 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion: 43 Resp: 886630
 Ion Ratio Lower Upper
 43 100
 58 53.5 26.4 79.0

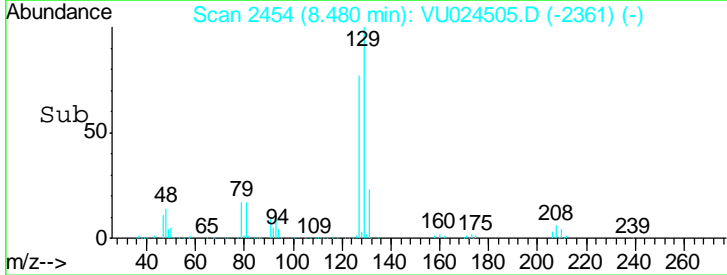
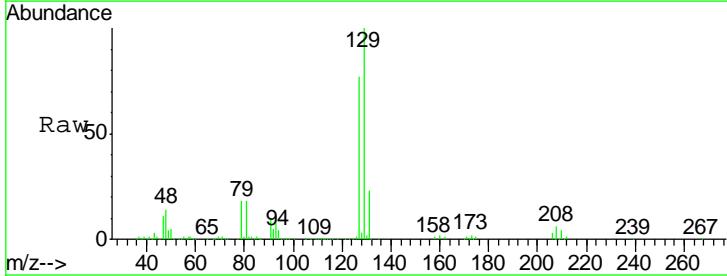
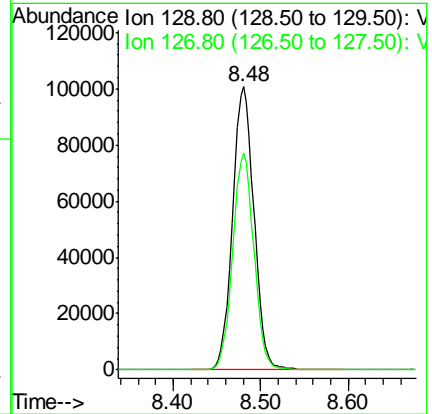
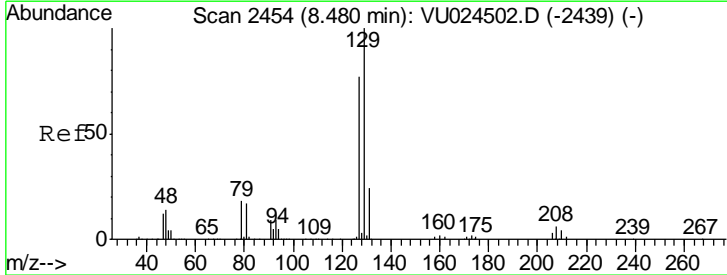
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

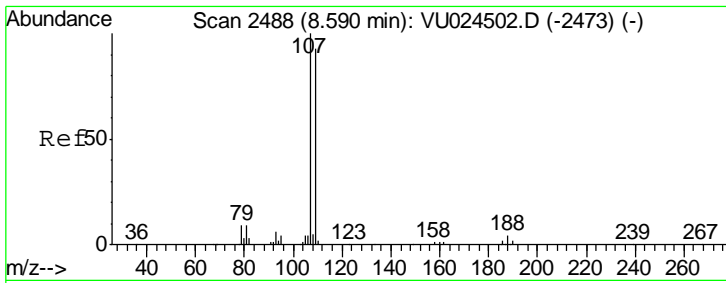
Manual Integrations APPROVED
 MMDadoda
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#60
 Dibromochloromethane
 Concen: 49.141 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

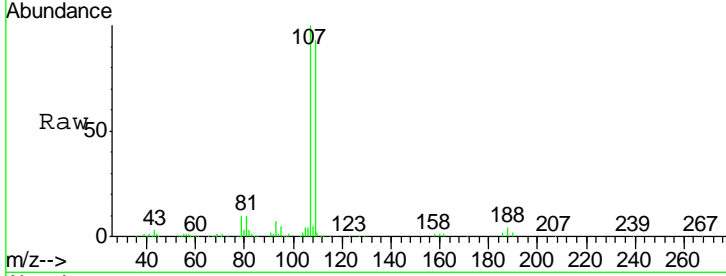
Tgt Ion: 129 Resp: 171753
 Ion Ratio Lower Upper
 129 100
 127 76.2 38.6 116.0





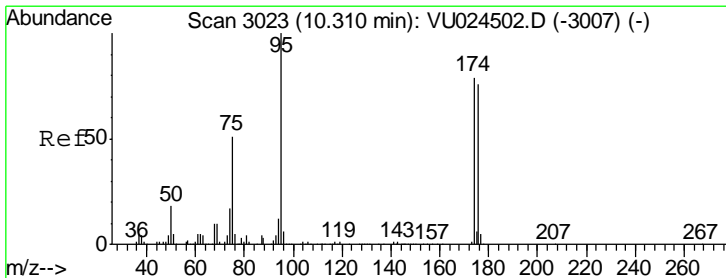
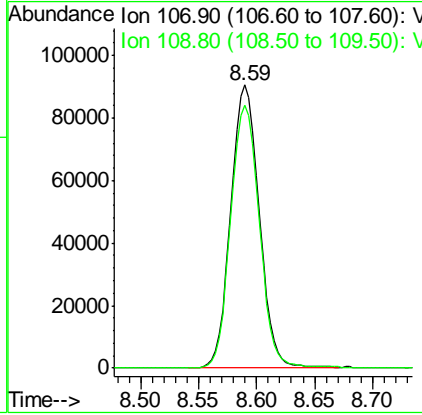
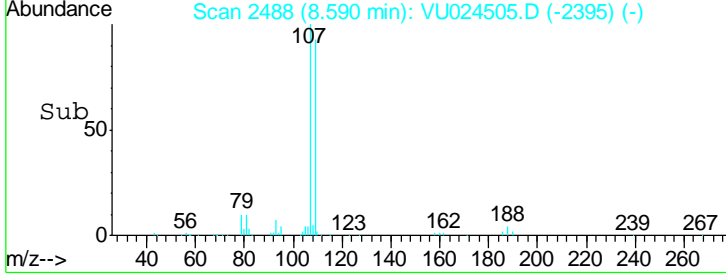
#61
 1,2-Dibromoethane
 Concen: 49.117 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 ClientSampled : ICVVU061318

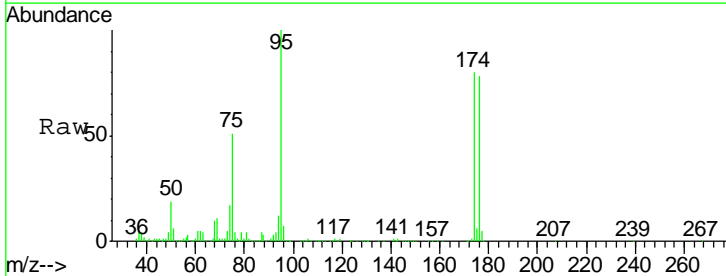


Tgt Ion: 107 Resp: 153226
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.5 111.7

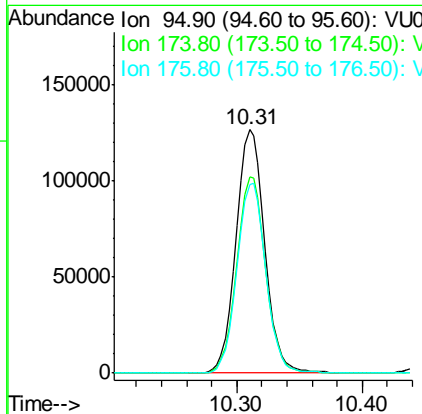
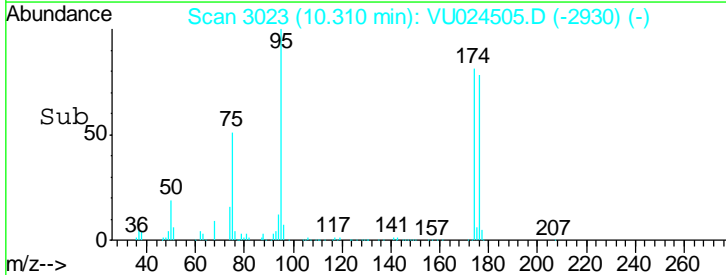
Manual Integrations APPROVED
 MMDadoda
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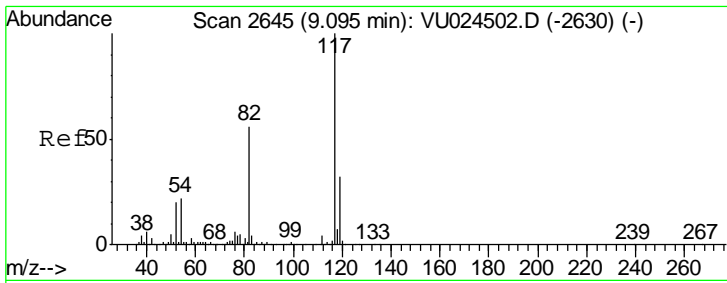


#62
 4-Bromofluorobenzene
 Concen: 51.817 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



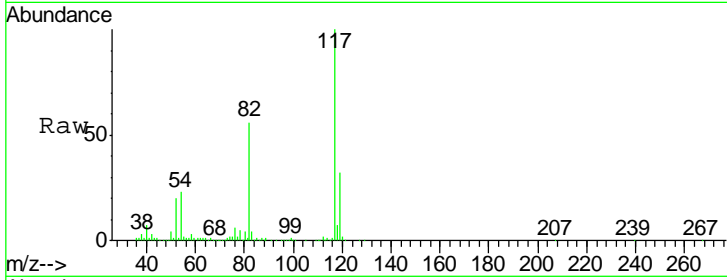
Tgt Ion: 95 Resp: 199350
 Ion Ratio Lower Upper
 95 100
 174 81.6 0.0 165.8
 176 79.2 0.0 159.4





#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

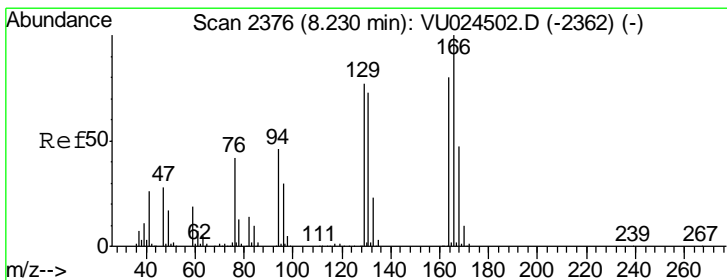
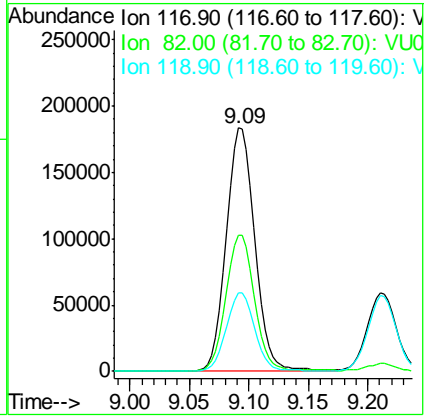
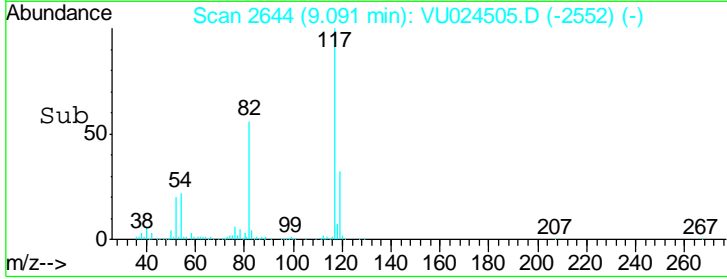
Instrument : MSVOA_U
 Client Sampled : ICVVU061318



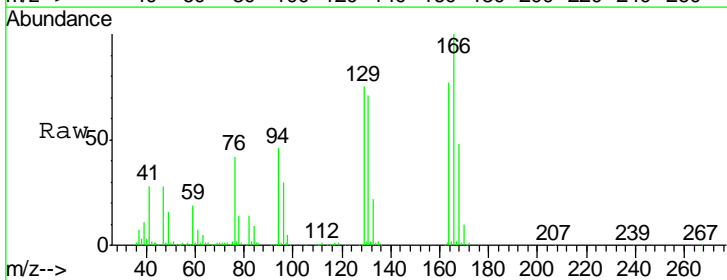
Tgt Ion: 117 Resp: 306834

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.3	66.5
119	32.0	25.4	38.2

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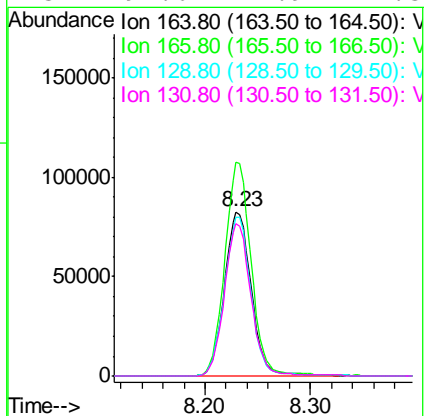
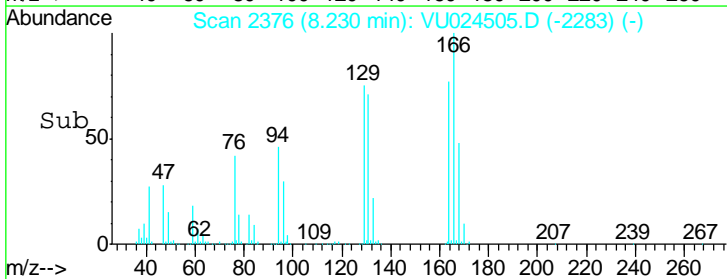


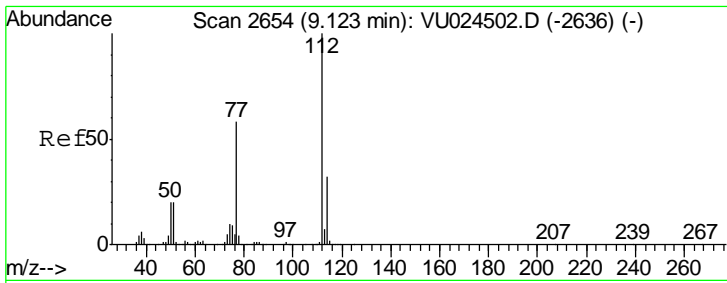
#64
 Tetrachloroethene
 Concen: 49.749 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



Tgt Ion: 164 Resp: 145096

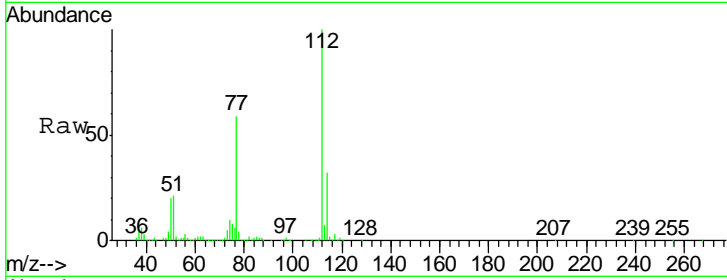
Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.7	152.5
129	96.9	76.9	115.3
131	92.6	74.9	112.3





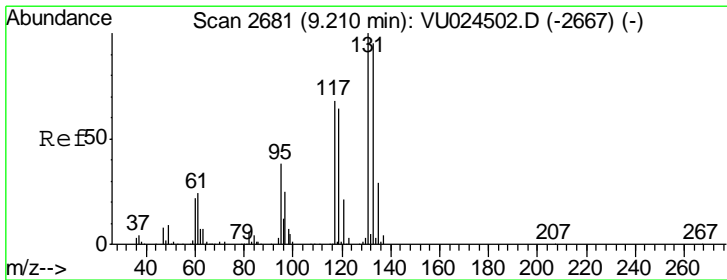
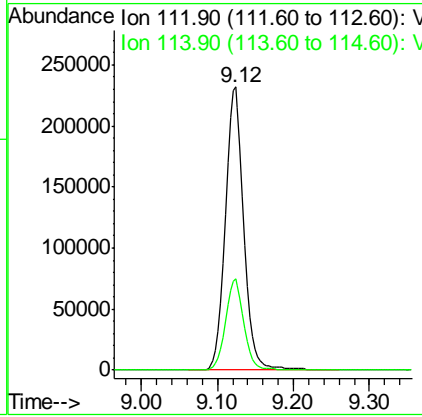
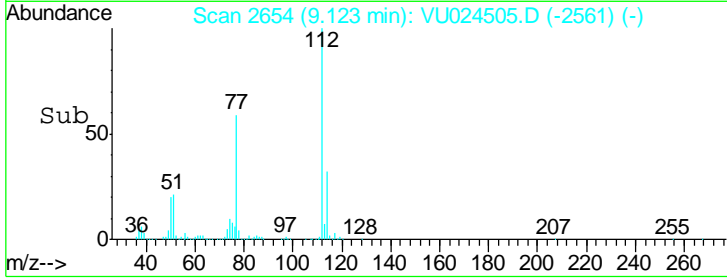
#65
 Chlorobenzene
 Concen: 49.880 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 Client Sampled : ICVVU061318

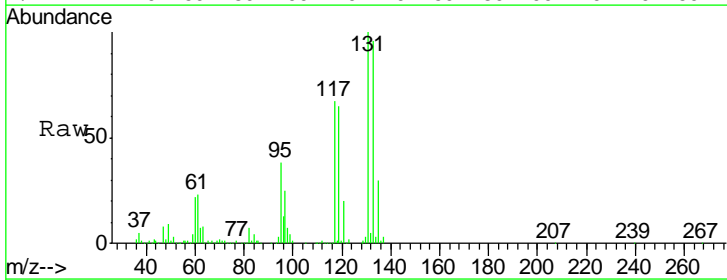


Tgt Ion: 112 Resp: 390986
 Ion Ratio Lower Upper
 112 100
 114 32.3 25.6 38.4

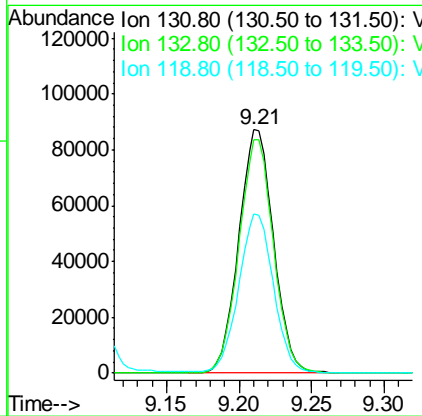
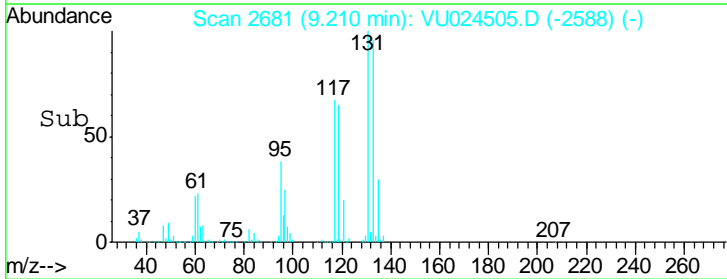
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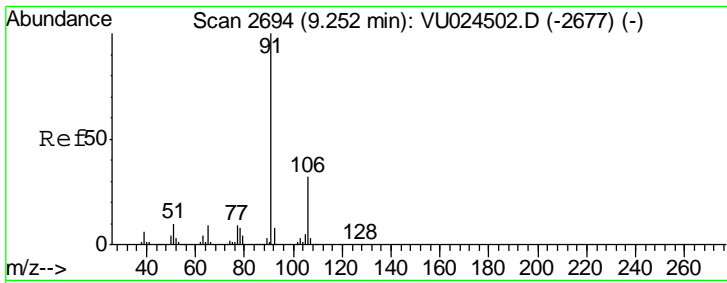


#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.724 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



Tgt Ion: 131 Resp: 145101
 Ion Ratio Lower Upper
 131 100
 133 96.0 46.9 140.8
 119 65.5 33.5 100.4



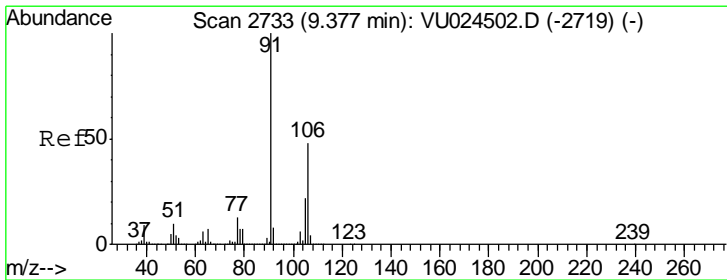
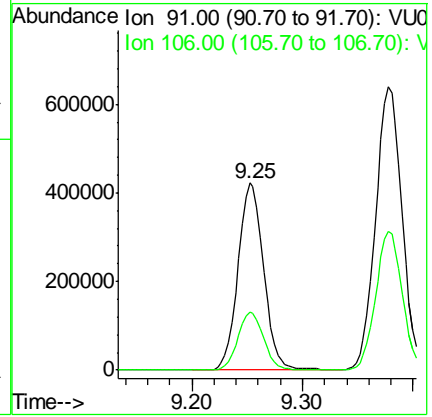
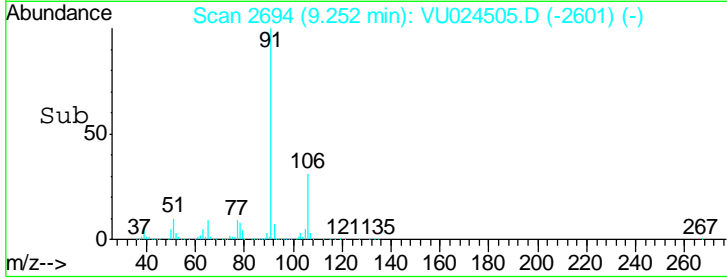
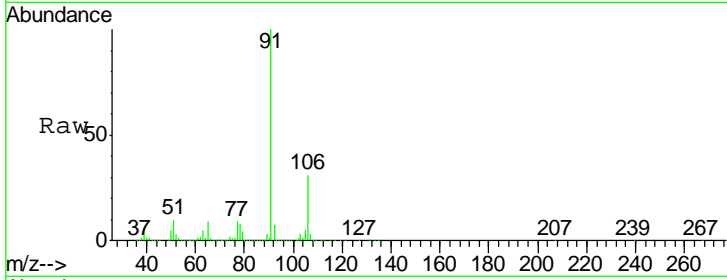


#67
 Ethyl Benzene
 Concen: 49.512 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
91	680368		
106	31.0	24.2	36.4

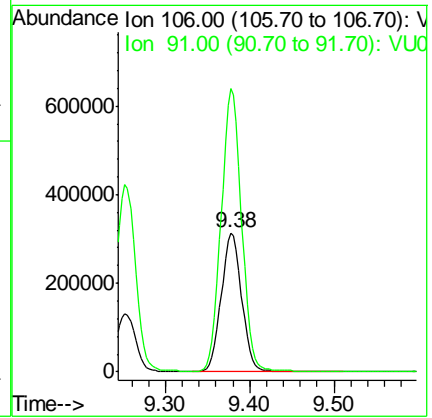
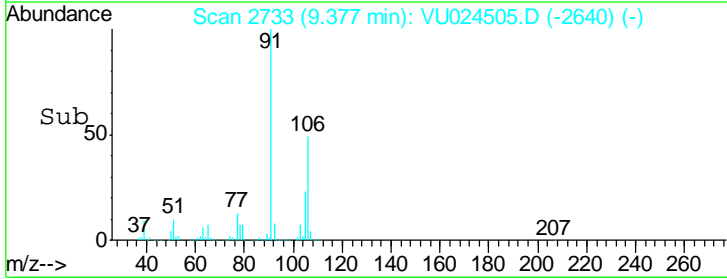
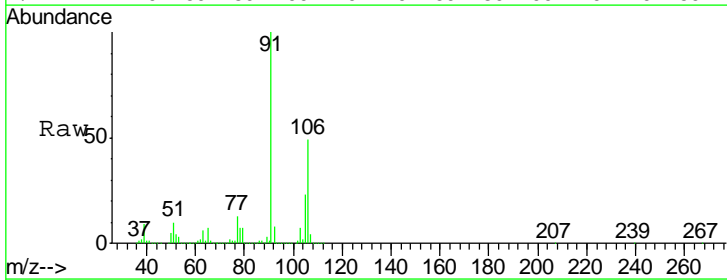
Instrument : MSVOA_U
 ClientSampled : ICVVU061318

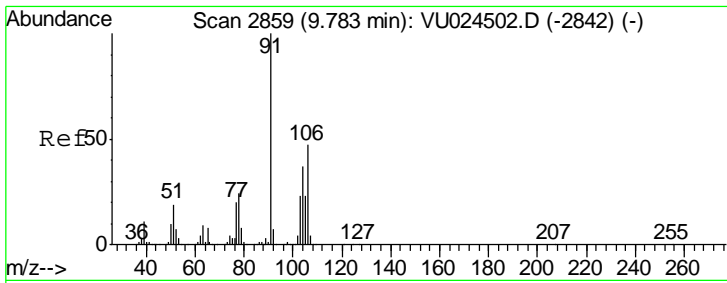
Manual Integrations
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 6/14/2018 9:44:48 AM



#68
 m/p-Xylenes
 Concen: 100.161 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

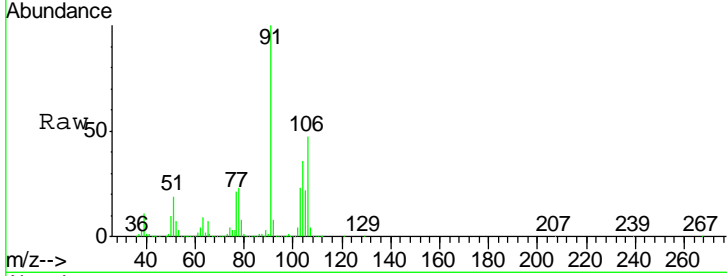
Tgt Ion	Resp	Lower	Upper
106	528520		
91	203.5	166.5	249.7





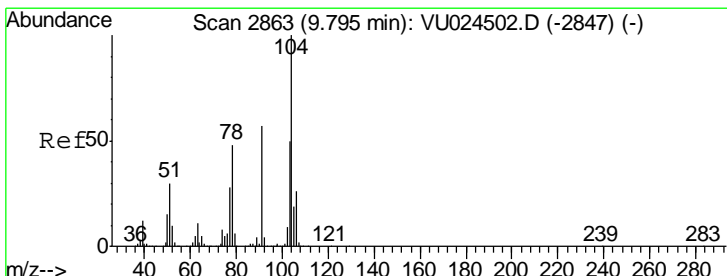
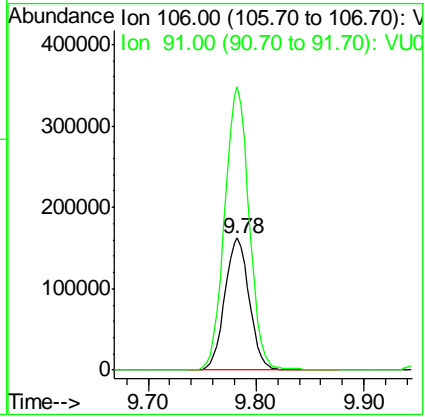
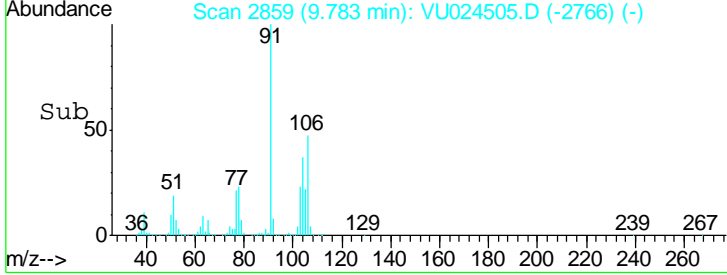
#69
 o-Xylene
 Concen: 49.261 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
ClientSampled :
 ICVVU061318

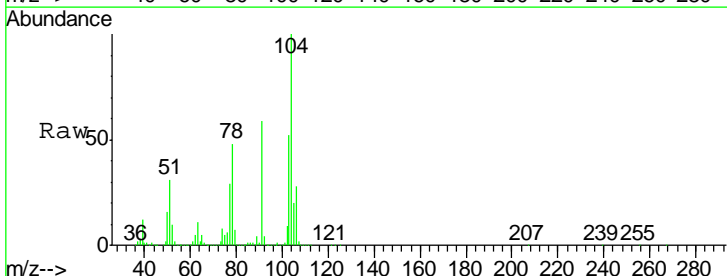


Tgt Ion: 106 Resp: 257251
 Ion Ratio Lower Upper
 106 100
 91 214.0 110.7 331.9

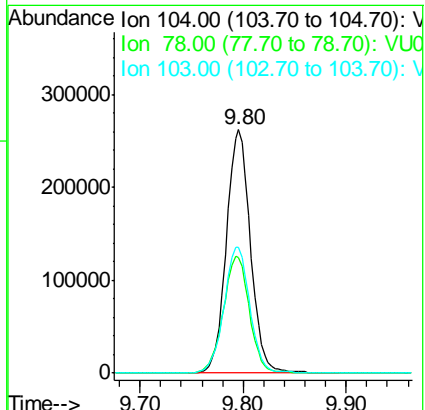
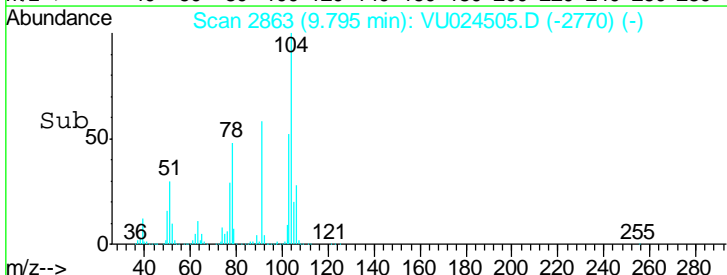
Manual Integrations
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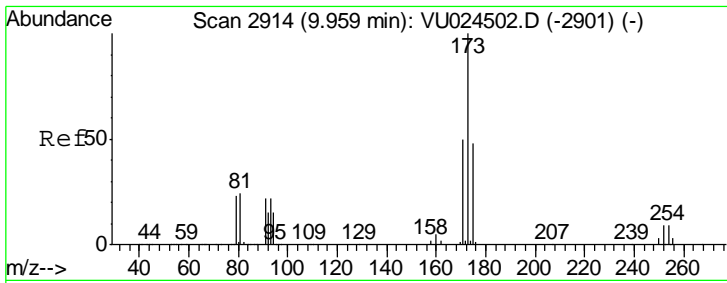


#70
 Styrene
 Concen: 49.697 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



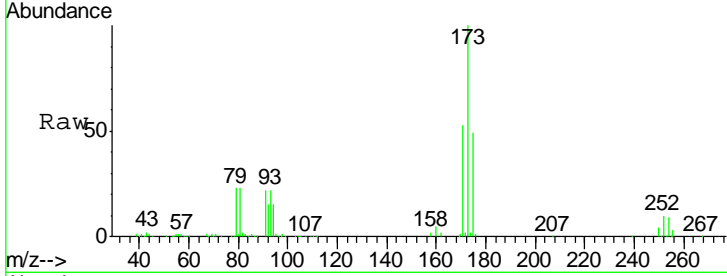
Tgt Ion: 104 Resp: 426491
 Ion Ratio Lower Upper
 104 100
 78 51.9 40.6 60.8
 103 55.7 44.7 67.1





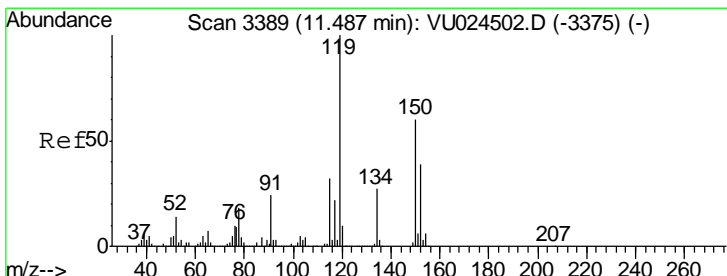
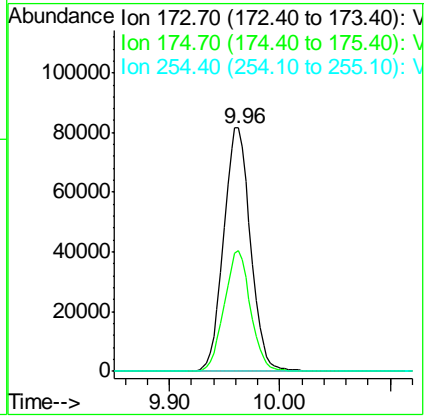
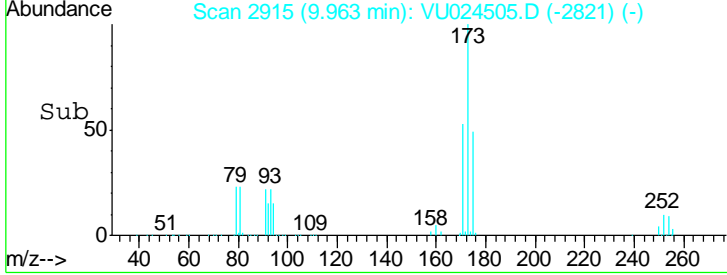
#71
 Bromoform
 Concen: 48.596 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 ClientSampled : ICVVU061318

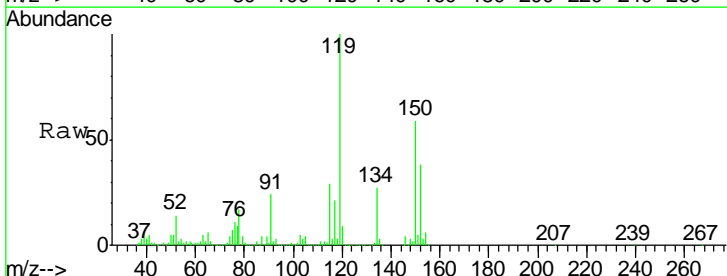


Tgt Ion	Resp	Lower	Upper
173	100		
175	48.5	24.6	74.0
254	0.1	0.0	0.0

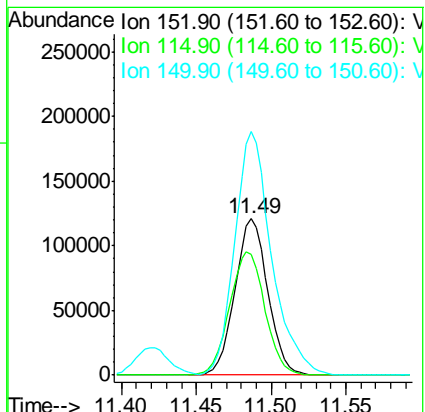
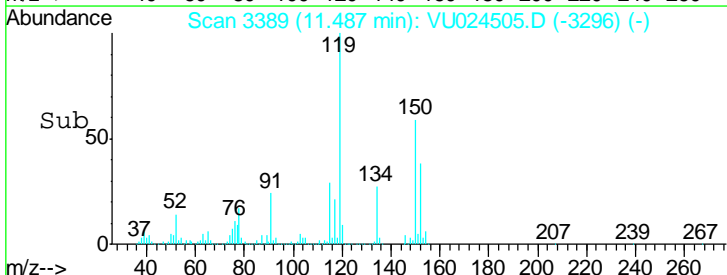
Manual Integrations
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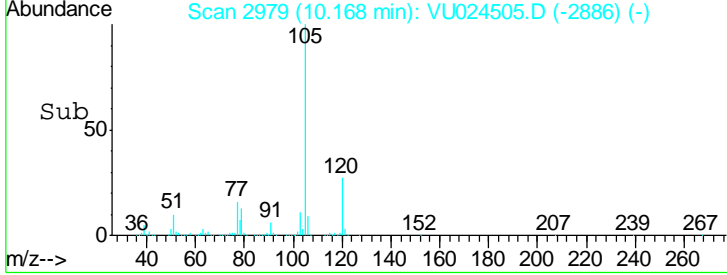
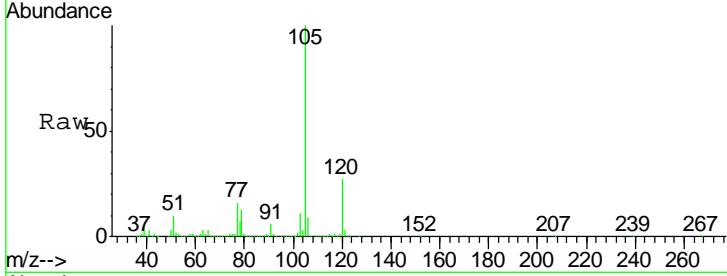
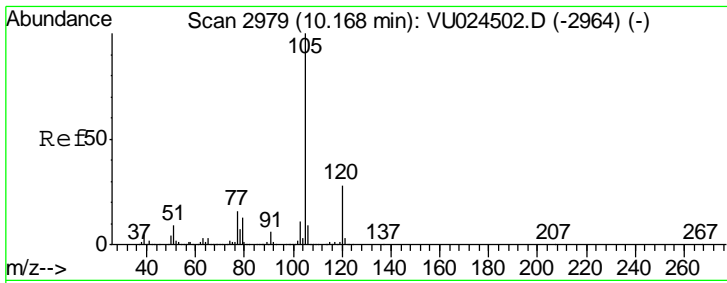


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



Tgt Ion	Resp	Lower	Upper
152	100		
115	84.4	43.0	129.0
150	174.9	0.0	354.0



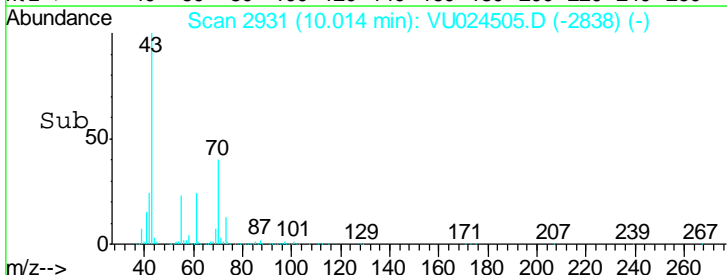
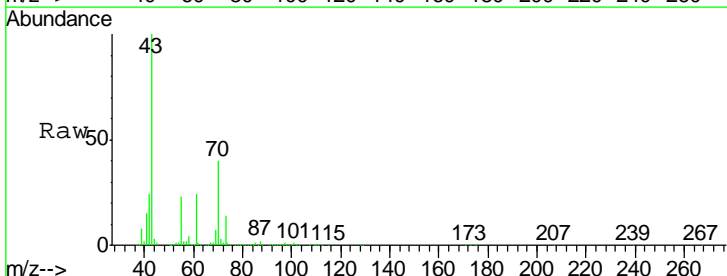
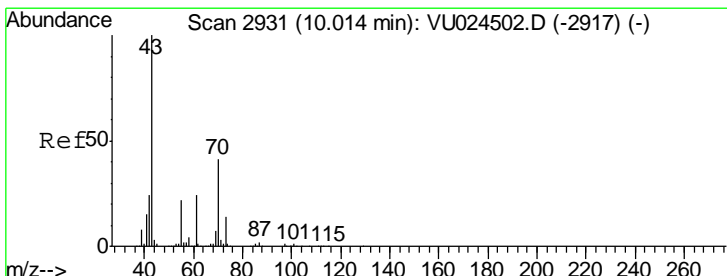
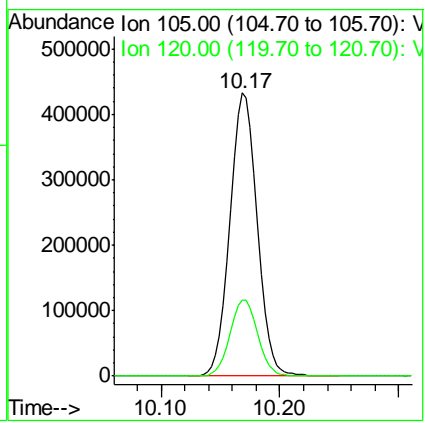


#73
 Isopropylbenzene
 Concen: 48.575 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
105	688165		
120	27.4	13.2	39.6

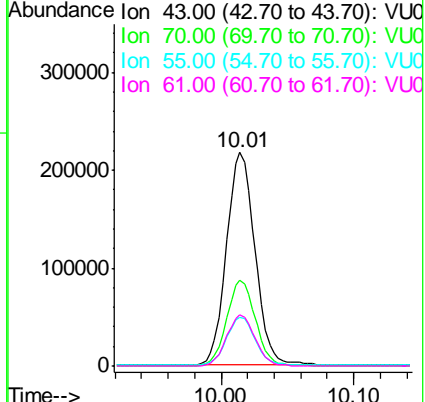
Instrument : MSVOA_U
 Client Sampled : ICVVU061318

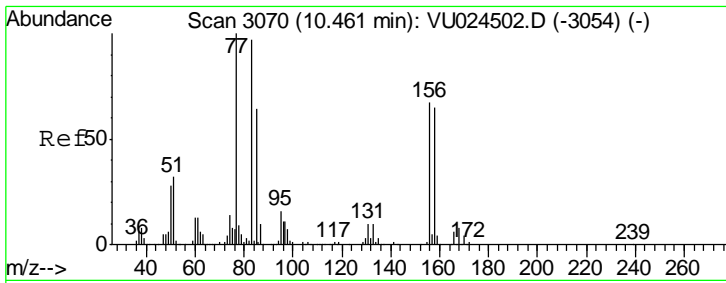
Manual Integrations APPROVED
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 6/14/2018 9:44:48 AM



#74
 N-aryl acetate
 Concen: 47.957 ug/l
 RT: 10.01 min Scan# 2931
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
43	323163		
70	40.4	32.2	48.4
55	22.6	20.5	30.7
61	24.3	18.7	28.1



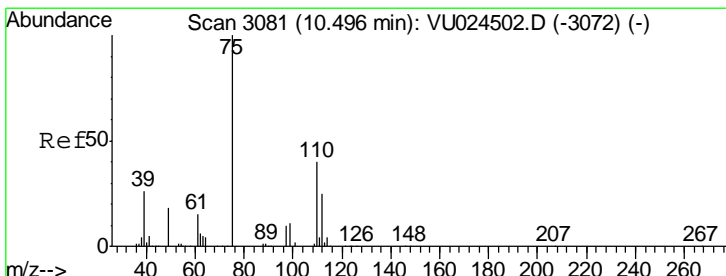
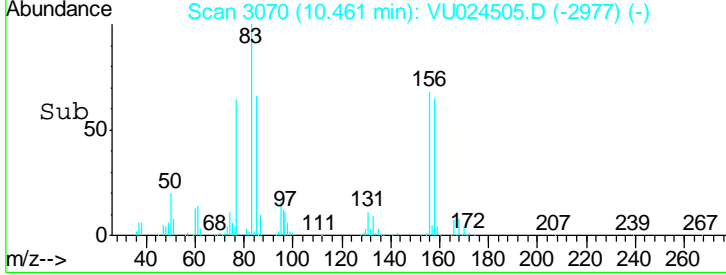
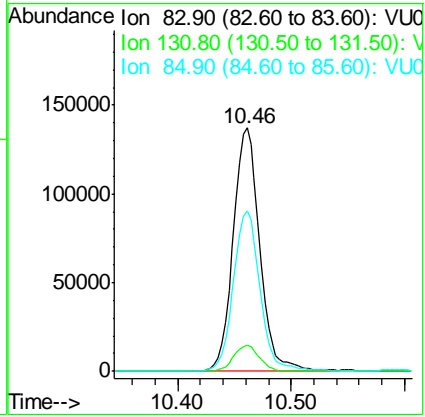
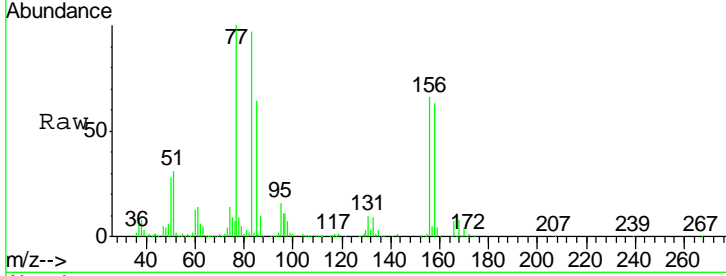


#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.621 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 ClientSampled : ICVVU061318

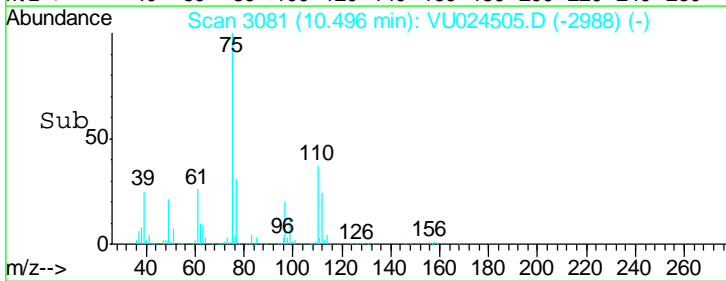
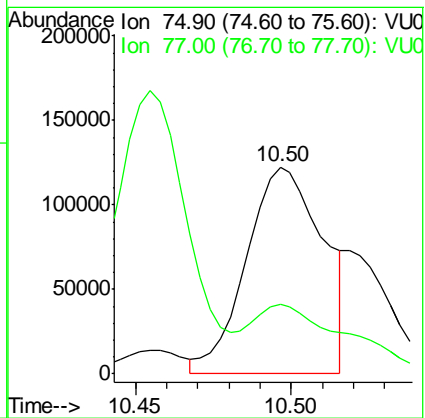
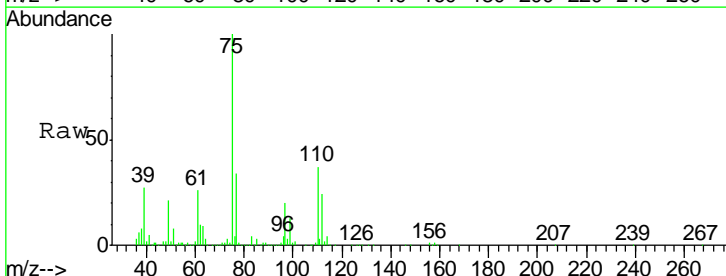
Tgt Ion	Resp	Lower	Upper
83	100		
131	10.5	4.7	14.1
85	66.5	32.5	97.5

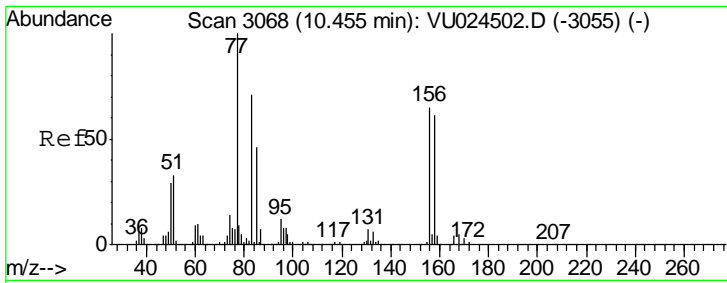
Manual Integrations
APPROVED
 MMDadoda
 6/14/2018 9:44:48 AM



#76
 1,2,3-Trichloropropane
 Concen: 51.916 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
75	100		
77	41.4	20.9	62.7



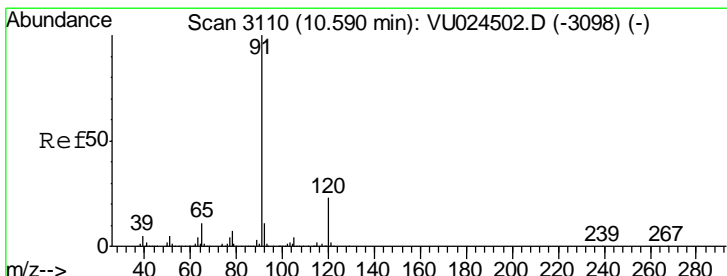
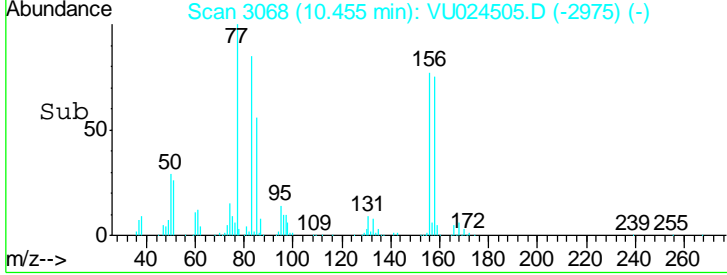
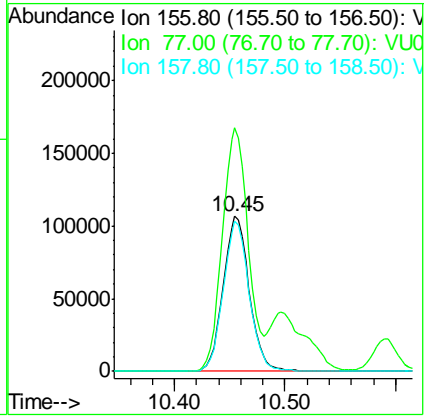
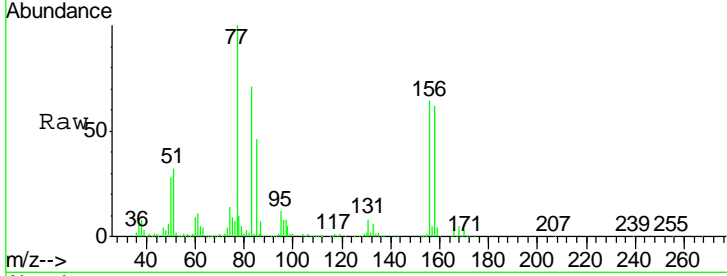


#77
 Bromobenzene
 Concen: 48.711 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 Client Sampled : ICVVU061318

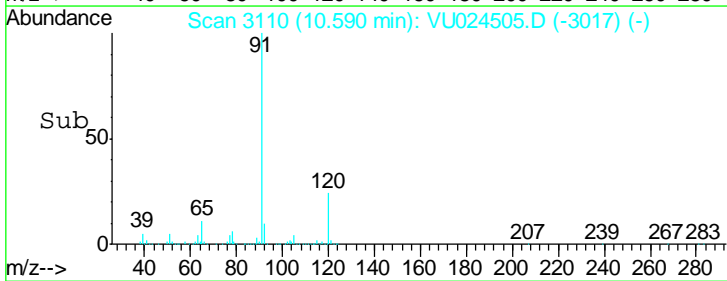
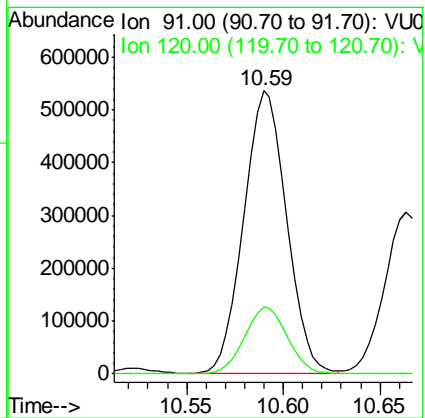
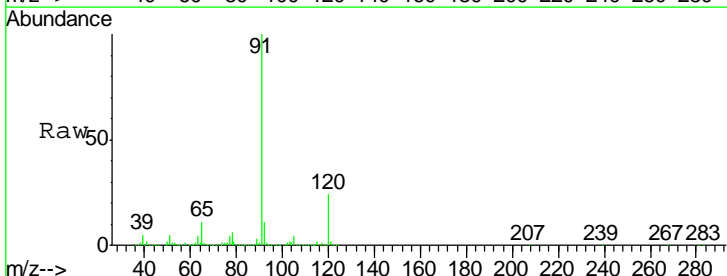
Tgt Ion	Resp	Lower	Upper
156	174707		
77	155.5	80.5	241.3
158	96.0	48.2	144.6

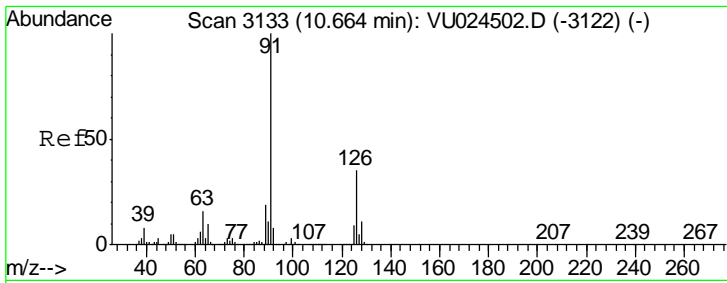
Manual Integrations
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 6/14/2018 9:44:48 AM



#78
 n-propylbenzene
 Concen: 49.662 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
91	828791		
120	23.7	11.2	33.5



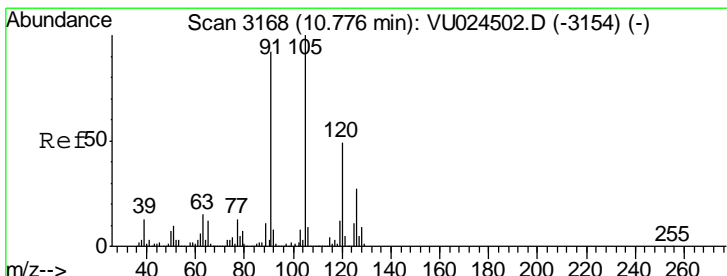
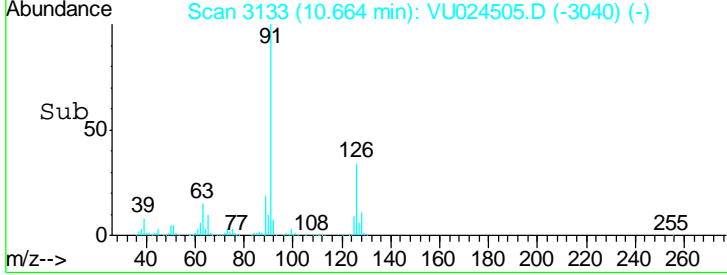
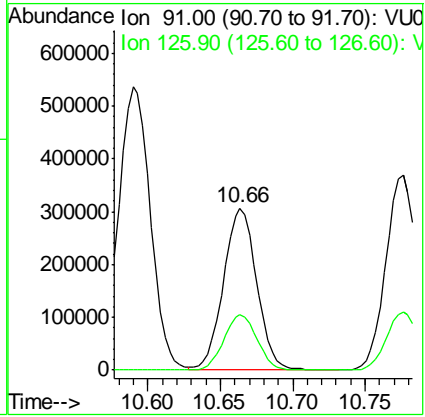
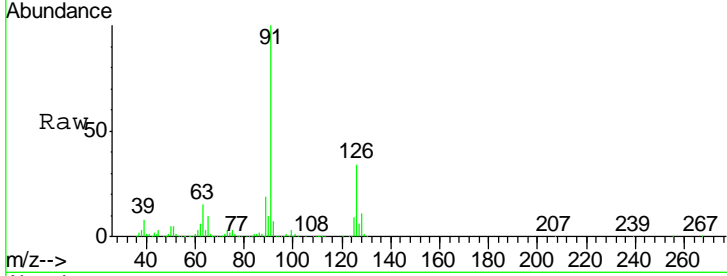


#79
 2-Chlorotoluene
 Concen: 49.452 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 Client Sampled : ICVVU061318

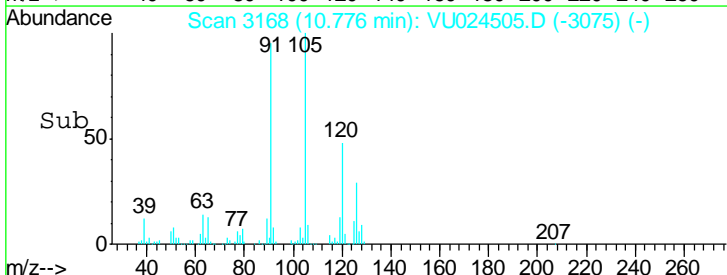
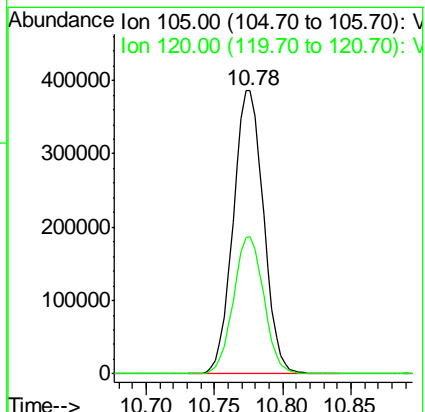
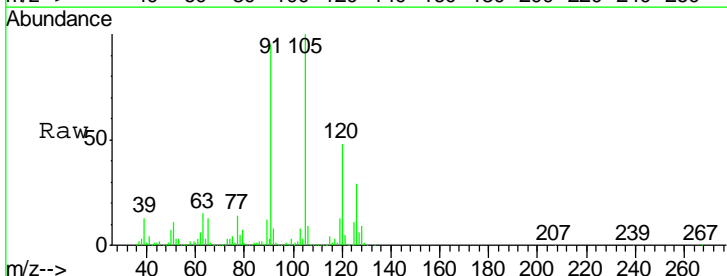
Tgt Ion: 91 Resp: 486687
 Ion Ratio Lower Upper
 91 100
 126 34.1 16.9 50.7

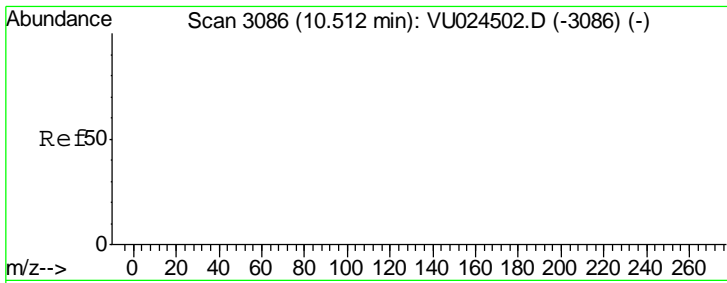
Manual Integrations
APPROVED
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.483 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion: 105 Resp: 595341
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2





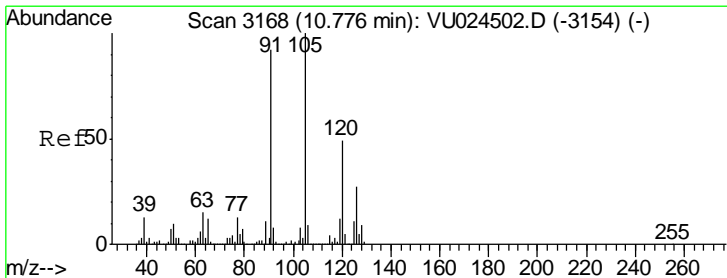
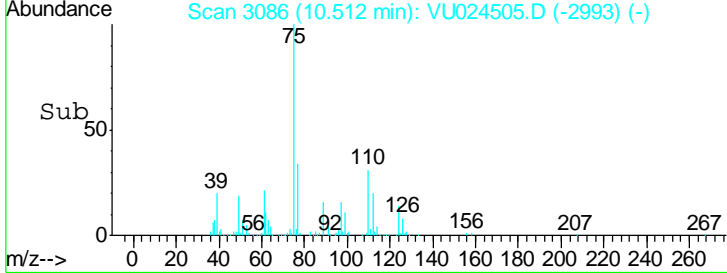
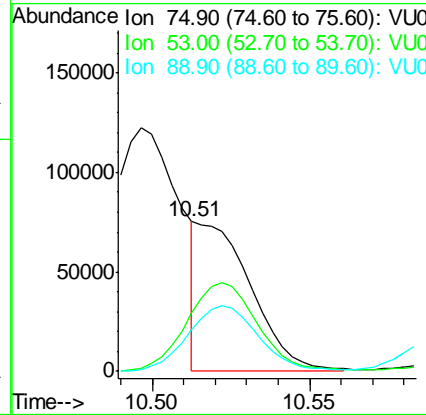
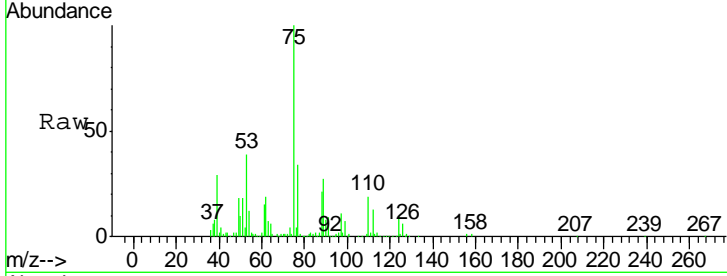
#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.834 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 ClientSampled : ICVVU061318

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

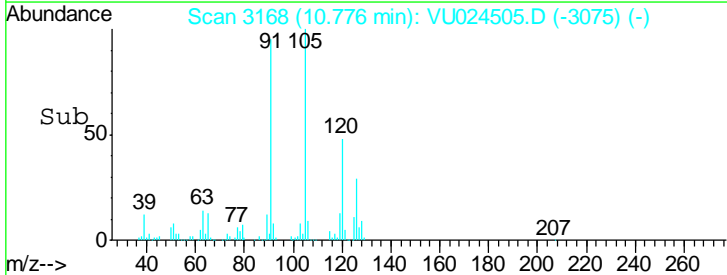
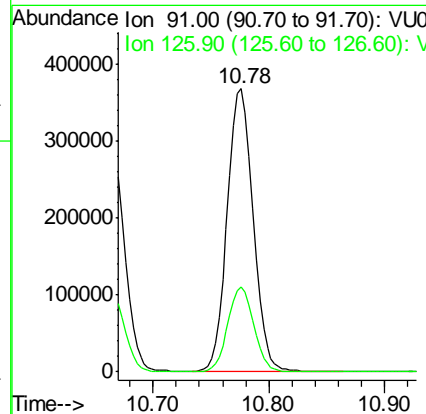
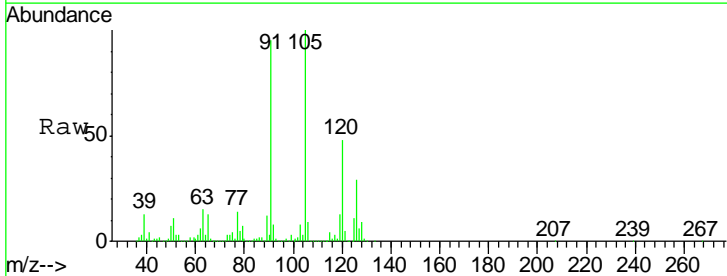
Manual Integrations
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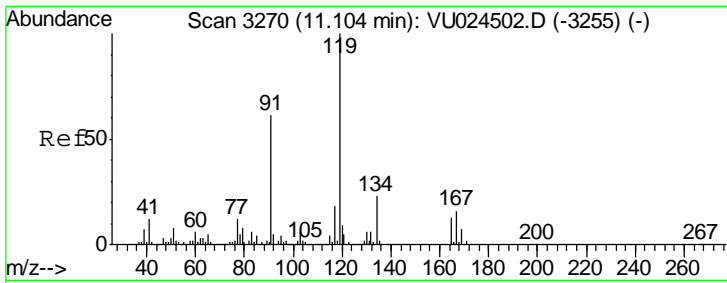
MMDadoda
 6/14/2018 9:44:48 AM



#82
 4-Chlorotoluene
 Concen: 49.687 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

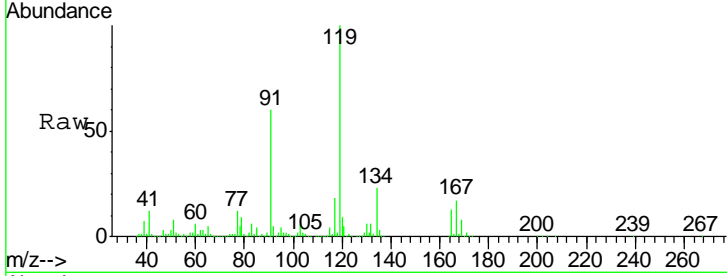
Tgt Ion	Resp	Lower	Upper
91	100		
126	30.2	14.9	44.9





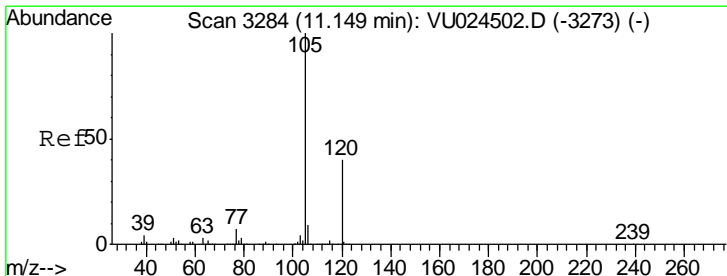
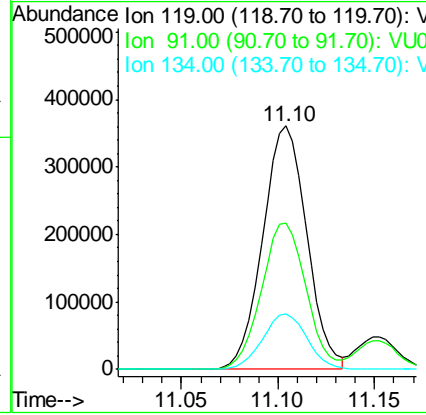
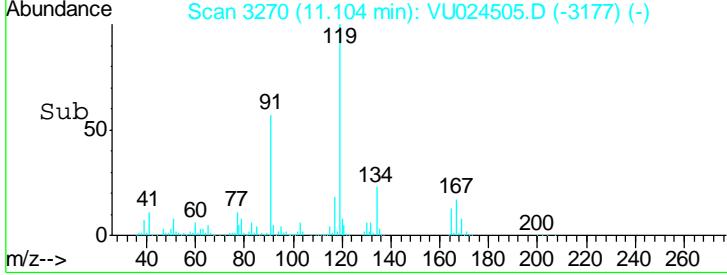
#83
 tert-Butylbenzene
 Concen: 48.356 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 Client Sampled : ICVVU061318

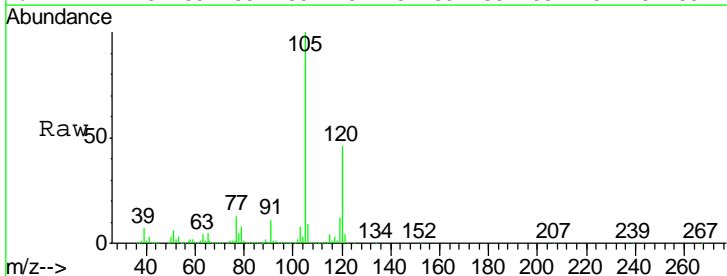


Tgt Ion	Resp	Lower	Upper
119	571168		
91	60.8	29.7	89.1
134	23.0	11.6	34.7

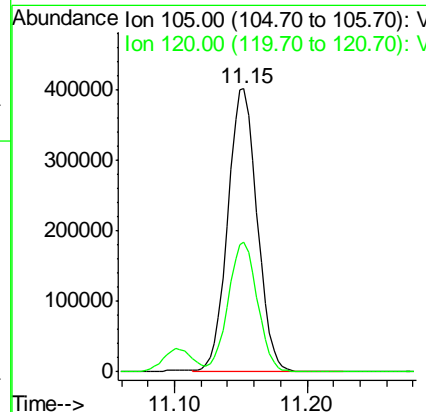
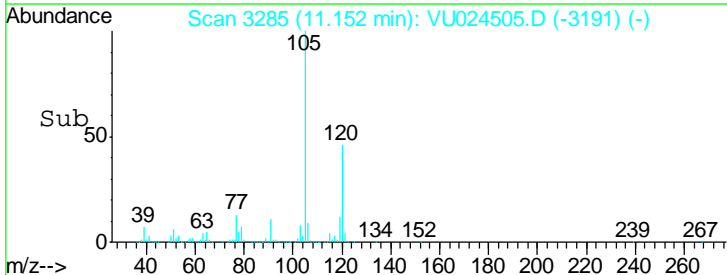
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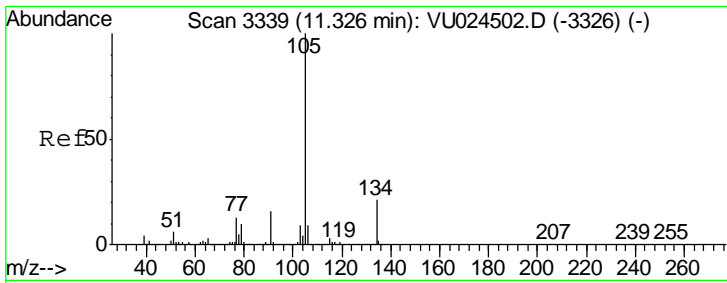


#84
 1,2,4-Trimethylbenzene
 Concen: 49.301 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



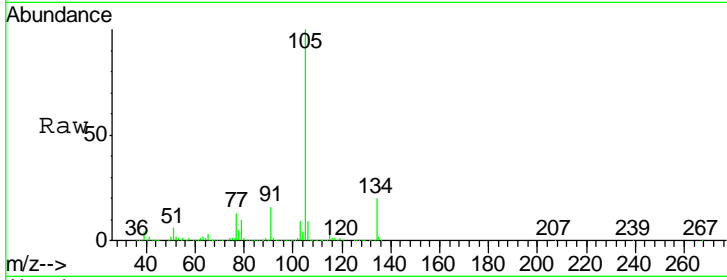
Tgt Ion	Resp	Lower	Upper
105	616941		
120	45.7	22.6	67.8





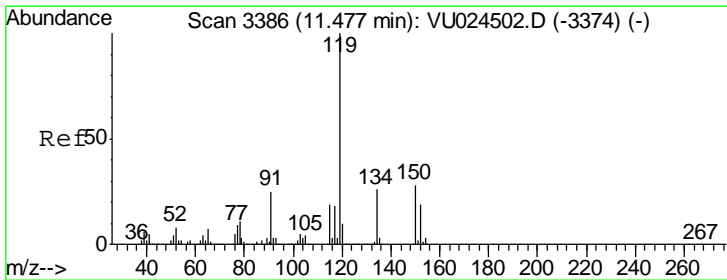
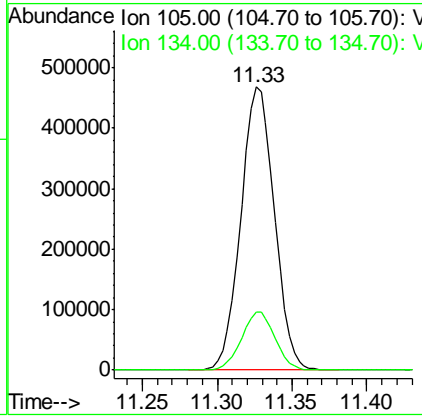
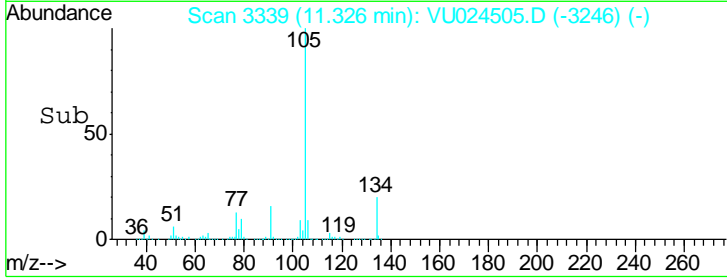
#85
 sec-Butylbenzene
 Concen: 49.364 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 Client Sampled : ICVVU061318

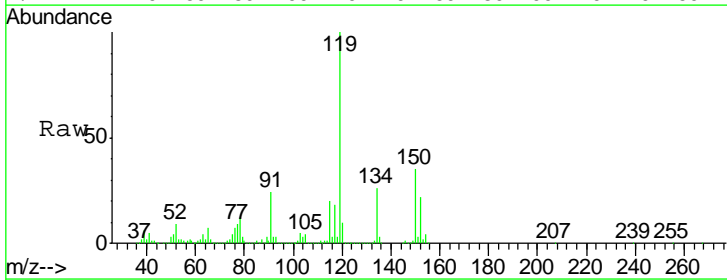


Tgt Ion: 105 Resp: 729865
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.7 29.1

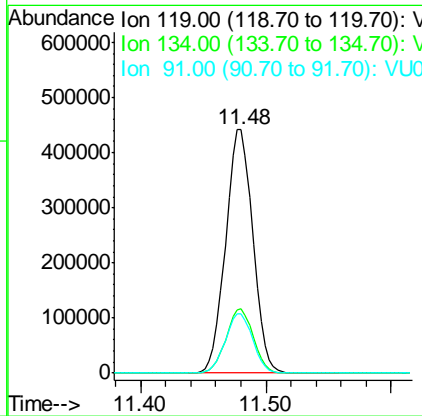
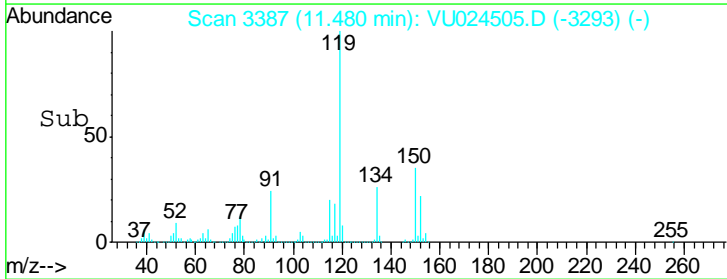
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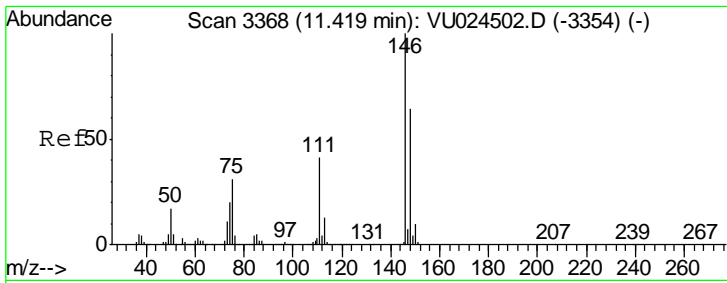


#86
 p-Isopropyltoluene
 Concen: 50.129 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



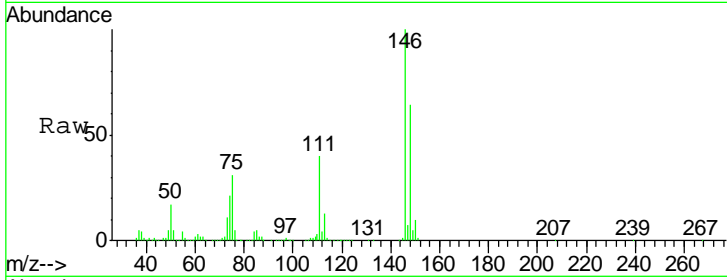
Tgt Ion: 119 Resp: 663805
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.9 38.6
 91 24.5 12.0 36.1





#87
 1,3-Dichlorobenzene
 Concen: 49.777 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

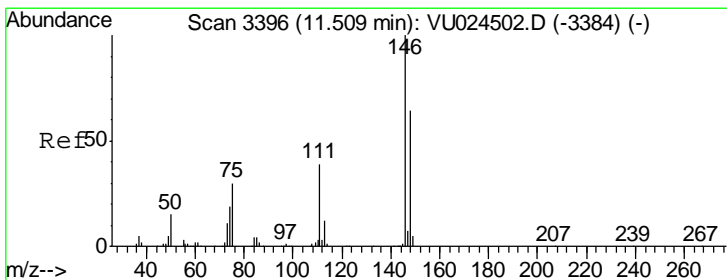
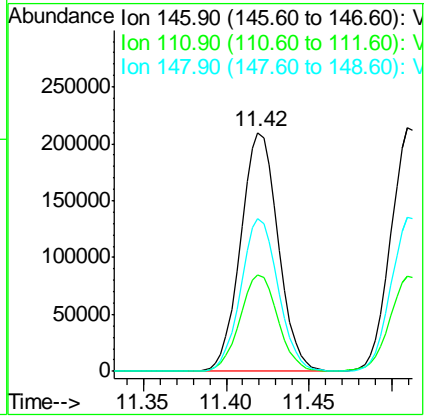
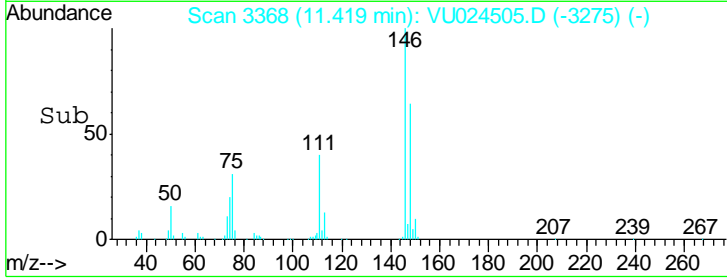
Instrument : MSVOA_U
 Client Sampled : ICVVU061318



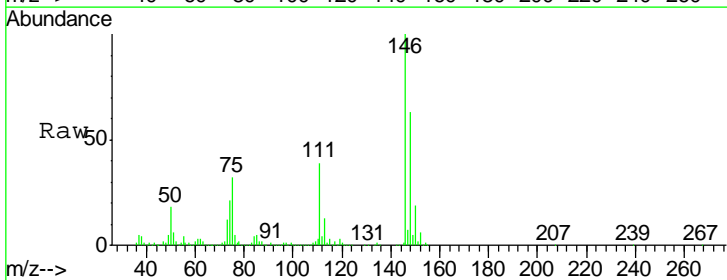
Tgt Ion: 146 Resp: 329837

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	63.8	32.1	96.5

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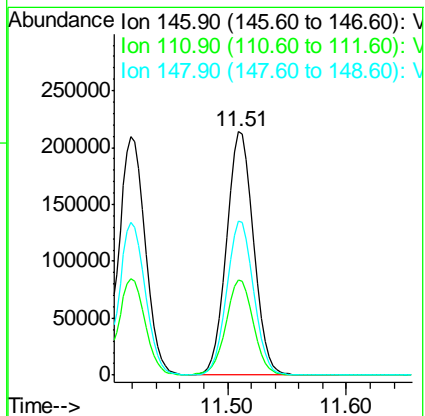
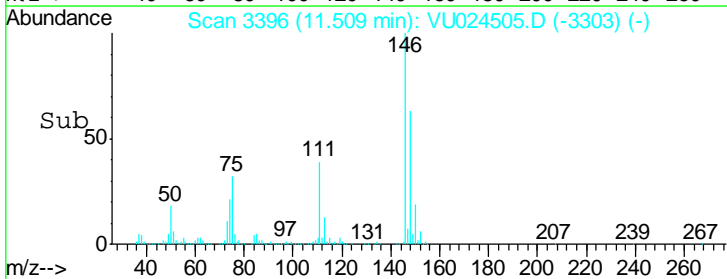


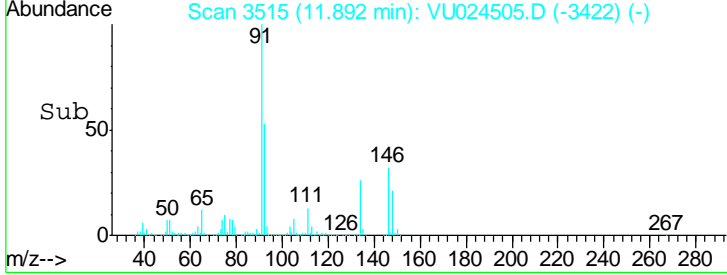
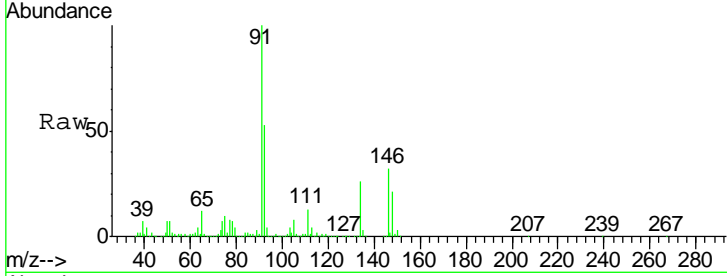
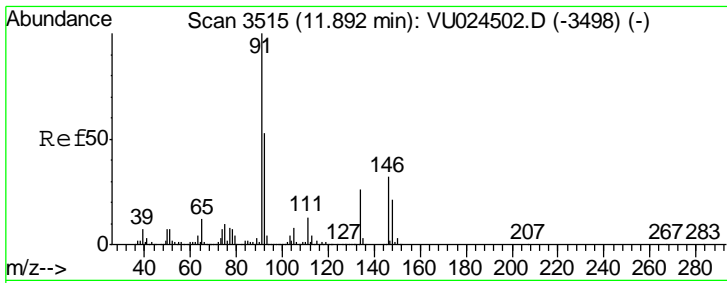
#88
 1,4-Dichlorobenzene
 Concen: 50.588 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



Tgt Ion: 146 Resp: 337389

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.5	58.5
148	63.0	32.4	97.0



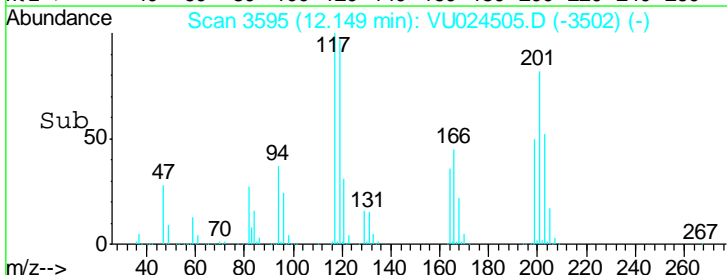
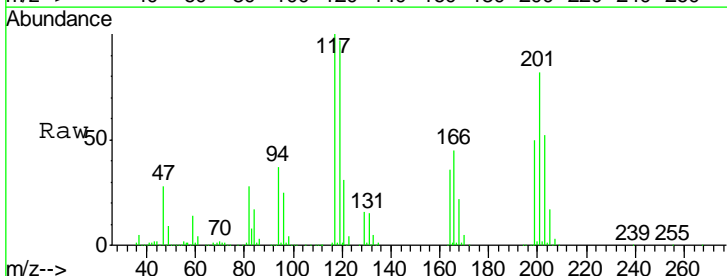
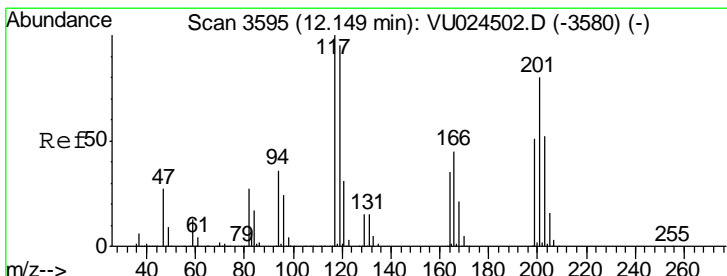
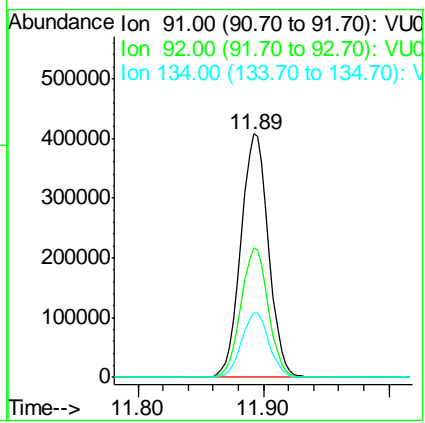


#89
 n-Butylbenzene
 Concen: 52.728 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
91	100		
92	53.0	25.6	76.8
134	26.6	12.3	36.8

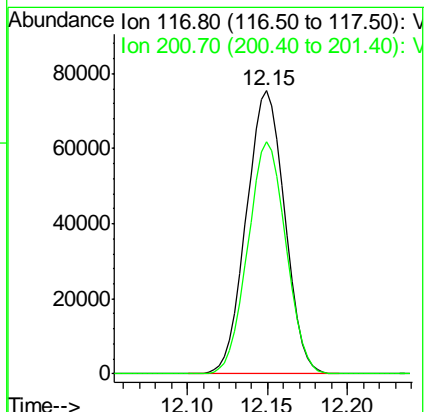
Instrument : MSVOA_U
 Client Sampled : ICVVU061318

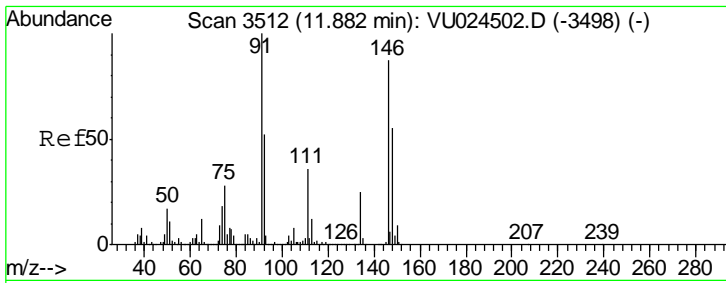
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#90
 Hexachloroethane
 Concen: 48.065 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

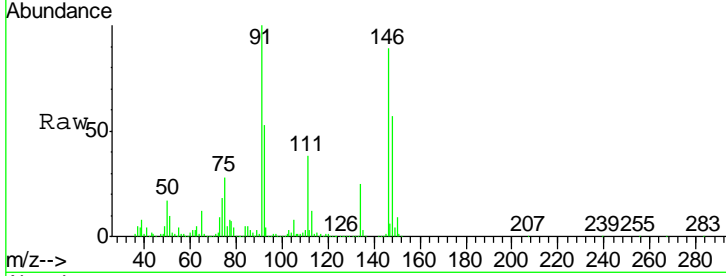
Tgt Ion	Resp	Lower	Upper
117	100		
201	81.5	41.1	123.3





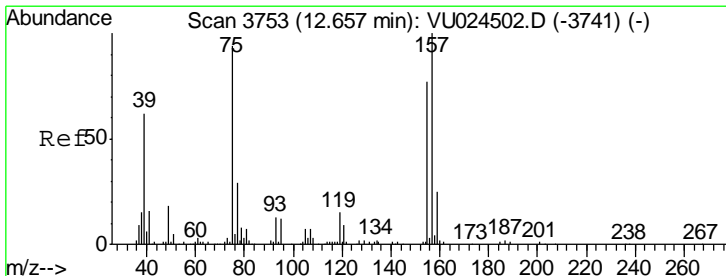
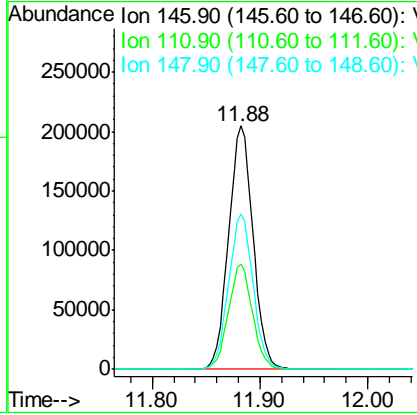
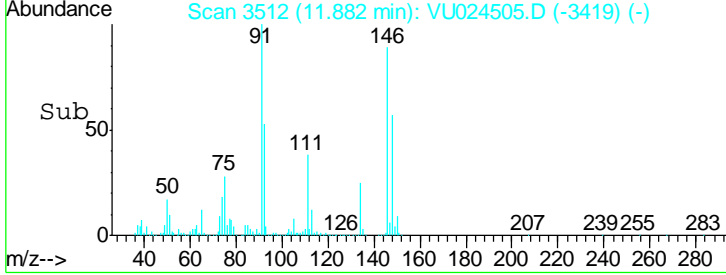
#91
 1,2-Dichlorobenzene
 Concen: 48.826 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 Client Sampled : ICVVU061318

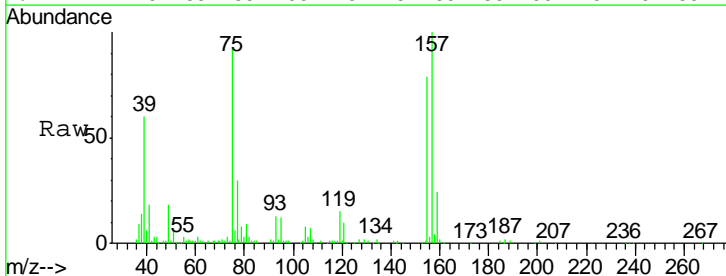


Tgt Ion	Resp	Lower	Upper
146	324063		
146	100		
111	42.2	20.5	61.6
148	63.9	31.9	95.7

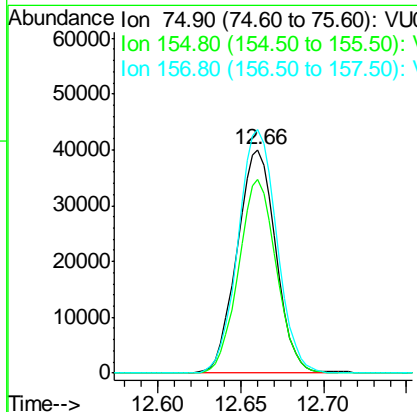
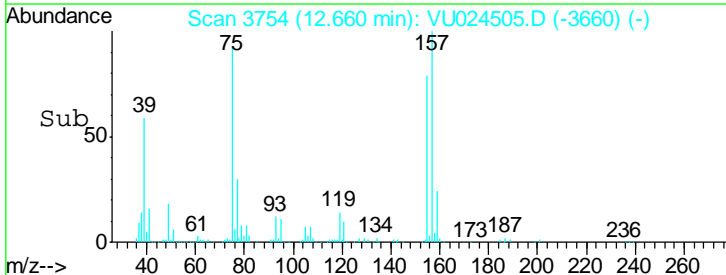
Manual Integrations
APPROVED
 MMDadoda
 6/14/2018 9:44:48 AM

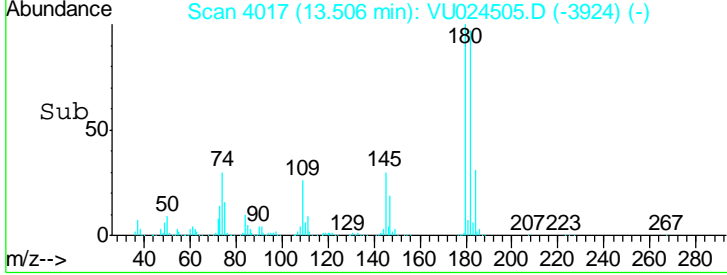
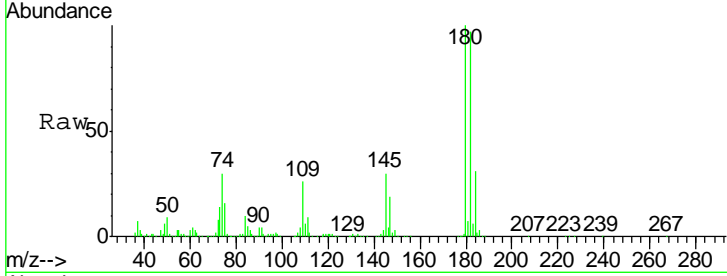
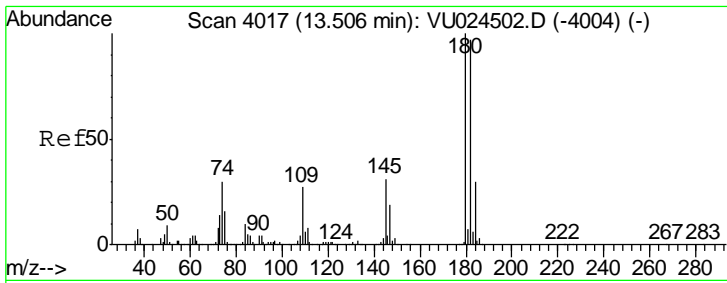


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.536 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



Tgt Ion	Resp	Lower	Upper
75	64890		
75	100		
155	84.5	40.4	121.2
157	109.4	52.3	156.8



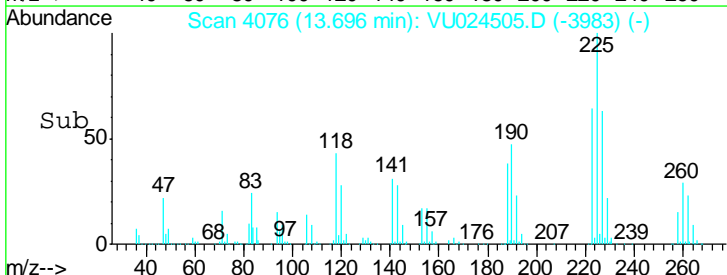
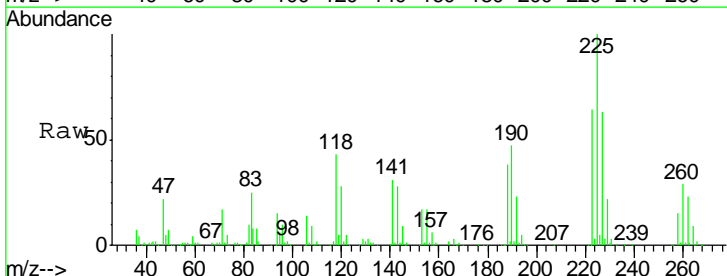
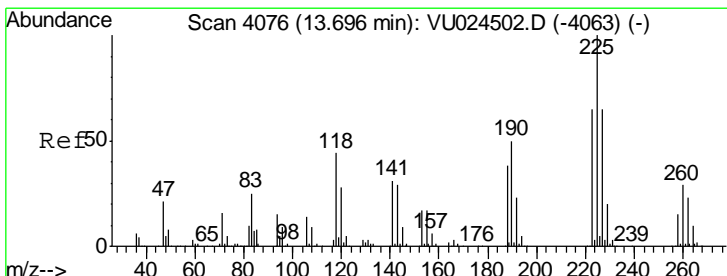
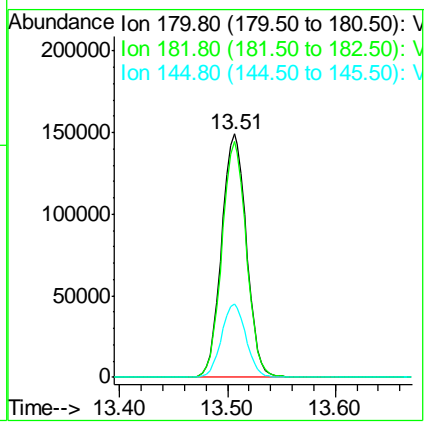


#93
 1,2,4-Trichlorobenzene
 Concen: 58.374 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.5	48.0	144.2
145	29.8	14.7	44.1

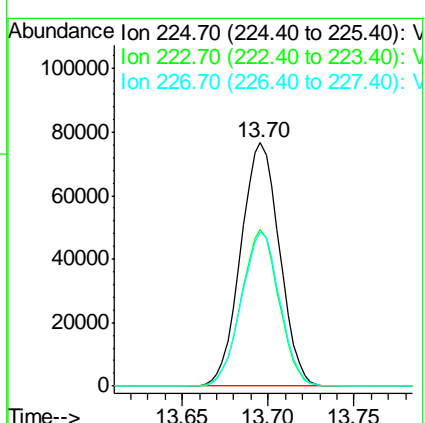
Instrument : MSVOA_U
 Client Sampled : ICVVU061318

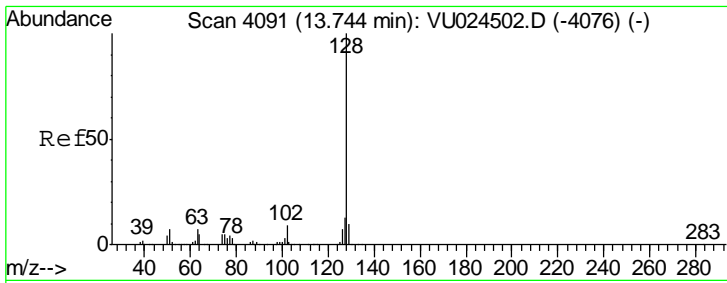
Manual Integrations
APPROVED
 MMDadoda
 6/14/2018 9:44:48 AM



#94
 Hexachlorobutadiene
 Concen: 52.115 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

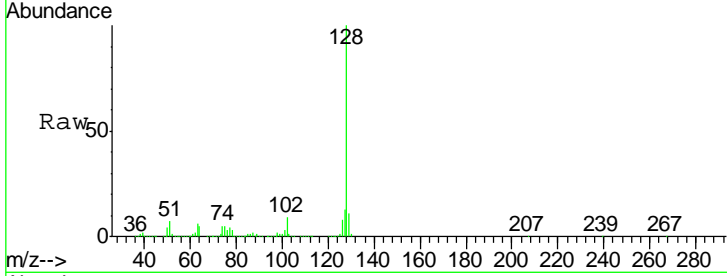
Tgt Ion	Resp	Lower	Upper
225	100		
223	62.5	31.3	93.8
227	62.6	31.8	95.4





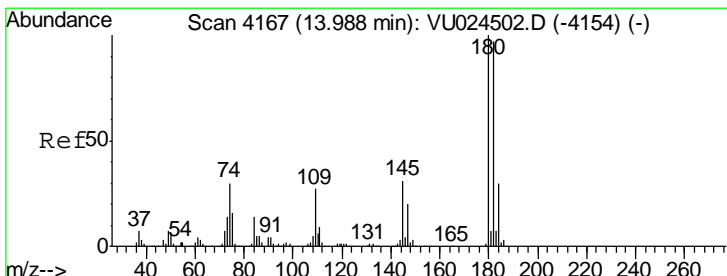
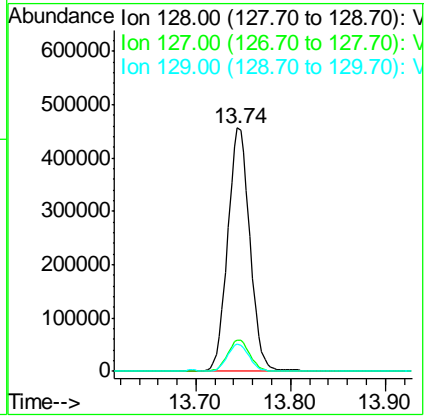
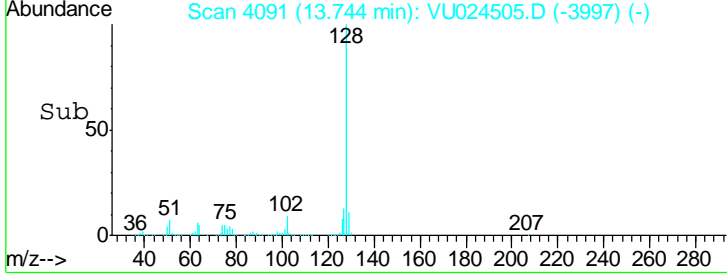
#95
 Naphthalene
 Concen: 54.677 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument : MSVOA_U
 ClientSampled : ICVVU061318

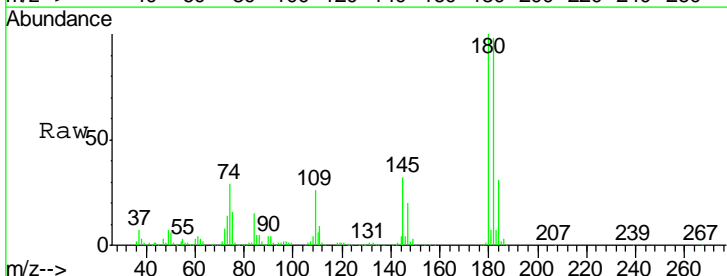


Tgt Ion	Resp	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.6	12.8

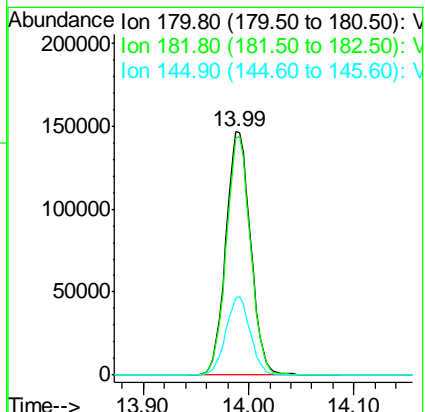
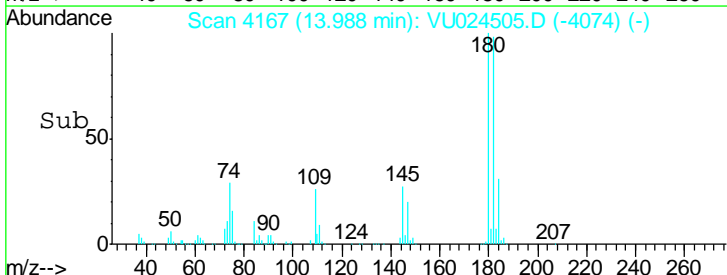
Manual Integrations
APPROVED
 MMDadoda
 6/14/2018 9:44:48 AM



#96
 1,2,3-Trichlorobenzene
 Concen: 58.045 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54



Tgt Ion	Resp	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	31.6	15.4	46.1



Data File : VU024505.D
 Acq On : 13 Jun 2018 13:54
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Quant Time: Jun 13 17:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	107	0.00
2 T	Dichlorodifluoromethane	0.626	0.607	3.0	107	0.00
3 P	Chloromethane	0.639	0.643	-0.6	116	0.00
4 C	Vinyl Chloride	0.659	0.639	3.0#	106	0.00
5 T	Bromomethane	0.319	0.343	-7.5	114	0.00
6 T	Chloroethane	0.431	0.371	13.9	104	0.00
7 T	Trichlorofluoromethane	1.006	0.930	7.6	103	0.00
8 T	Diethyl Ether	0.390	0.342	12.3	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.624	0.600	3.8	106	0.00
10 T	Methyl Iodide	0.451	0.446	1.1	92	0.00
11 T	Tert butyl alcohol	0.199	0.180	9.5	103	0.00
12 CM	1,1-Dichloroethene	0.569	0.560	1.6#	105	0.00
13 T	Acrolein	0.104	0.097	6.7	103	0.00
14 T	Allyl chloride	1.057	1.004	5.0	106	0.00
15 T	Acrylonitrile	0.386	0.376	2.6	102	0.00
16 T	Acetone	0.439	0.422	3.9	109	0.00
17 T	Carbon Disulfide	1.823	1.828	-0.3	110	0.00
18 T	Methyl Acetate	0.940	0.881	6.3	102	0.00
19 T	Methyl tert-butyl Ether	2.140	2.072	3.2	105	0.00
20 T	Methylene Chloride	0.688	0.643	6.5	106	0.00
21 T	trans-1,2-Dichloroethene	0.627	0.608	3.0	107	0.00
22 T	Diisopropyl ether	2.096	2.006	4.3	104	0.00
23 T	Vinyl Acetate	1.877	1.846	1.7	105	0.00
24 P	1,1-Dichloroethane	1.205	1.160	3.7	104	0.00
25 T	2-Butanone	0.589	0.577	2.0	103	0.00
26 T	2,2-Dichloropropane	1.145	1.112	2.9	107	0.00
27 T	cis-1,2-Dichloroethene	0.721	0.696	3.5	106	0.00
28 T	Bromochloromethane	0.531	0.545	-2.6	104	0.00
29 T	Tetrahydrofuran	0.365	0.343	6.0	102	0.00
30 C	Chloroform	1.220	1.179	3.4#	105	0.00
31 T	Cyclohexane	1.323	1.086	17.9	105	0.00
32 T	1,1,1-Trichloroethane	1.128	1.065	5.6	104	0.00
33 S	1,2-Dichloroethane-d4	0.816	0.807	1.1	105	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35 S	Dibromofluoromethane	0.415	0.431	-3.9	106	0.00
36 T	1,1-Dichloropropene	0.588	0.592	-0.7	107	0.00
37 T	Ethyl Acetate	0.640	0.655	-2.3	100	0.00
38 T	Carbon Tetrachloride	0.646	0.649	-0.5	105	0.00
39 T	Methylcyclohexane	0.733	0.730	0.4	107	0.00
40 TM	Benzene	1.674	1.664	0.6	104	0.00
41 T	Methacrylonitrile	0.345	0.359	-4.1	101	0.00
42 TM	1,2-Dichloroethane	0.638	0.631	1.1	104	0.00
43 T	Isopropyl Acetate	1.107	1.073	3.1	103	0.00
44 TM	Trichloroethene	0.476	0.470	1.3	106	0.00
45 C	1,2-Dichloropropane	0.447	0.451	-0.9#	105	0.00

Data File : VU024505.D
 Acq On : 13 Jun 2018 13:54
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Quant Time: Jun 13 17:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T Dibromomethane	0.314	0.320	-1.9	104	0.00
47 T Bromodichloromethane	0.625	0.625	0.0	105	0.00
48 T Methyl methacrylate	0.539	0.535	0.7	103	0.00
49 T 1,4-Dioxane	0.011	0.010	9.1	109	0.00
50 S Toluene-d8	1.514	1.577	-4.2	106	0.00
51 T 4-Methyl-2-Pentanone	0.695	0.682	1.9	103	0.00
52 CM Toluene	1.077	1.070	0.6#	105	0.00
53 T t-1,3-Dichloropropene	0.702	0.735	-4.7	108	0.00
54 T cis-1,3-Dichloropropene	0.748	0.750	-0.3	105	0.00
55 T 1,1,2-Trichloroethane	0.438	0.417	4.8	104	0.00
56 T Ethyl methacrylate	0.733	0.725	1.1	105	0.00
57 T 1,3-Dichloropropane	0.739	0.735	0.5	105	0.00
58 T 2-Chloroethyl Vinyl ether	0.281	0.298	-6.0	108	0.00
59 T 2-Hexanone	0.568	0.554	2.5	104	0.00
60 T Dibromochloromethane	0.546	0.537	1.6	106	0.00
61 T 1,2-Dibromoethane	0.487	0.479	1.6	105	0.00
62 S 4-Bromofluorobenzene	0.601	0.623	-3.7	107	0.00
63 I Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T Tetrachloroethene	0.475	0.473	0.4	104	0.00
65 PM Chlorobenzene	1.277	1.274	0.2	106	0.00
66 T 1,1,1,2-Tetrachloroethane	0.485	0.473	2.5	105	0.00
67 C Ethyl Benzene	2.239	2.217	1.0#	106	0.00
68 T m/p-Xylenes	0.860	0.861	-0.1	107	0.00
69 T o-Xylene	0.851	0.838	1.5	106	0.00
70 T Styrene	1.398	1.390	0.6	105	0.00
71 P Bromoform	0.461	0.448	2.8	106	0.00
72 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
73 T Isopropylbenzene	3.839	3.729	2.9	106	0.00
74 T N-amyl acetate	1.826	1.751	4.1	104	0.00
75 P 1,1,2,2-Tetrachloroethane	1.286	1.199	6.8	104	0.00
76 T 1,2,3-Trichloropropane	1.101	1.143	-3.8	112	0.00
77 T Bromobenzene	0.972	0.947	2.6	106	0.00
78 T n-propylbenzene	4.522	4.491	0.7	107	0.00
79 T 2-Chlorotoluene	2.667	2.637	1.1	108	0.00
80 T 1,3,5-Trimethylbenzene	3.327	3.226	3.0	107	0.00
81 T trans-1,4-Dichloro-2-butene	0.476	0.474	0.4	109	0.00
82 T 4-Chlorotoluene	3.104	3.084	0.6	107	0.00
83 T tert-Butylbenzene	3.201	3.095	3.3	106	0.00
84 T 1,2,4-Trimethylbenzene	3.391	3.343	1.4	107	0.00
85 T sec-Butylbenzene	4.006	3.955	1.3	107	0.00
86 T p-Isopropyltoluene	3.588	3.597	-0.3	109	0.00
87 T 1,3-Dichlorobenzene	1.795	1.787	0.4	108	0.00
88 T 1,4-Dichlorobenzene	1.807	1.828	-1.2	110	0.00
89 T n-Butylbenzene	3.186	3.359	-5.4	111	0.00

Data File : VU024505.D
Acq On : 13 Jun 2018 13:54
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Quant Time: Jun 13 17:05:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T Hexachloroethane	0.700	0.673	3.9	108	0.00
91 T 1,2-Dichlorobenzene	1.798	1.756	2.3	107	0.00
92 T 1,2-Dibromo-3-Chloropropane	0.355	0.352	0.8	104	0.00
93 T 1,2,4-Trichlorobenzene	1.111	1.297	-16.7	113	0.00
94 T Hexachlorobutadiene	0.625	0.652	-4.3	112	0.00
95 T Naphthalene	3.293	4.025	-22.2#	114	0.00
96 T 1,2,3-Trichlorobenzene	1.107	1.285	-16.1	111	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data File : VU024505.D
 Acq On : 13 Jun 2018 13:54
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Quant Time: Jun 13 17:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	107	0.00
2 T	Dichlorodifluoromethane	50.000	48.532	2.9	107	0.00
3 P	Chloromethane	50.000	50.287	-0.6	116	0.00
4 C	Vinyl Chloride	50.000	48.462	3.1#	106	0.00
5 T	Bromomethane	50.000	53.797	-7.6	114	0.00
6 T	Chloroethane	50.000	50.339	-0.7	104	0.00
7 T	Trichlorofluoromethane	50.000	46.221	7.6	103	0.00
8 T	Diethyl Ether	50.000	49.979	0.0	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.055	3.9	106	0.00
10 T	Methyl Iodide	50.000	43.041	13.9	92	0.00
11 T	Tert butyl alcohol	250.000	226.523	9.4	103	0.00
12 CM	1,1-Dichloroethene	50.000	49.165	1.7#	105	0.00
13 T	Acrolein	250.000	232.440	7.0	103	0.00
14 T	Allyl chloride	50.000	47.489	5.0	106	0.00
15 T	Acrylonitrile	250.000	243.618	2.6	102	0.00
16 T	Acetone	250.000	240.533	3.8	109	0.00
17 T	Carbon Disulfide	50.000	50.132	-0.3	110	0.00
18 T	Methyl Acetate	50.000	46.834	6.3	102	0.00
19 T	Methyl tert-butyl Ether	50.000	48.418	3.2	105	0.00
20 T	Methylene Chloride	50.000	46.729	6.5	106	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.519	3.0	107	0.00
22 T	Diisopropyl ether	50.000	47.871	4.3	104	0.00
23 T	Vinyl Acetate	250.000	245.878	1.6	105	0.00
24 P	1,1-Dichloroethane	50.000	48.127	3.7	104	0.00
25 T	2-Butanone	250.000	245.064	2.0	103	0.00
26 T	2,2-Dichloropropane	50.000	48.558	2.9	107	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.244	3.5	106	0.00
28 T	Bromochloromethane	50.000	51.325	-2.7	104	0.00
29 T	Tetrahydrofuran	250.000	234.962	6.0	102	0.00
30 C	Chloroform	50.000	48.304	3.4#	105	0.00
31 T	Cyclohexane	50.000	50.739	-1.5	105	0.00
32 T	1,1,1-Trichloroethane	50.000	47.188	5.6	104	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.413	1.2	105	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35 S	Dibromofluoromethane	50.000	51.913	-3.8	106	0.00
36 T	1,1-Dichloropropene	50.000	50.370	-0.7	107	0.00
37 T	Ethyl Acetate	50.000	51.151	-2.3	100	0.00
38 T	Carbon Tetrachloride	50.000	50.212	-0.4	105	0.00
39 T	Methylcyclohexane	50.000	49.813	0.4	107	0.00
40 TM	Benzene	50.000	49.685	0.6	104	0.00
41 T	Methacrylonitrile	50.000	52.033	-4.1	101	0.00
42 TM	1,2-Dichloroethane	50.000	49.500	1.0	104	0.00
43 T	Isopropyl Acetate	50.000	48.478	3.0	103	0.00
44 TM	Trichloroethene	50.000	49.364	1.3	106	0.00
45 C	1,2-Dichloropropane	50.000	50.494	-1.0#	105	0.00

Data File : VU024505.D
 Acq On : 13 Jun 2018 13:54
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Quant Time: Jun 13 17:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	51.016	-2.0	104	0.00
47 T	Bromodichloromethane	50.000	50.035	-0.1	105	0.00
48 T	Methyl methacrylate	50.000	49.636	0.7	103	0.00
49 T	1,4-Dioxane	1000.000	975.265	2.5	109	0.00
50 S	Toluene-d8	50.000	52.092	-4.2	106	0.00
51 T	4-Methyl-2-Pentanone	250.000	245.208	1.9	103	0.00
52 CM	Toluene	50.000	49.648	0.7#	105	0.00
53 T	t-1,3-Dichloropropene	50.000	52.360	-4.7	108	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.126	-0.3	105	0.00
55 T	1,1,2-Trichloroethane	50.000	47.676	4.6	104	0.00
56 T	Ethyl methacrylate	50.000	49.467	1.1	105	0.00
57 T	1,3-Dichloropropane	50.000	49.777	0.4	105	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	265.200	-6.1	108	0.00
59 T	2-Hexanone	250.000	243.947	2.4	104	0.00
60 T	Dibromochloromethane	50.000	49.141	1.7	106	0.00
61 T	1,2-Dibromoethane	50.000	49.117	1.8	105	0.00
62 S	4-Bromofluorobenzene	50.000	51.817	-3.6	107	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	49.749	0.5	104	0.00
65 PM	Chlorobenzene	50.000	49.880	0.2	106	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.724	2.6	105	0.00
67 C	Ethyl Benzene	50.000	49.512	1.0#	106	0.00
68 T	m/p-Xylenes	100.000	100.161	-0.2	107	0.00
69 T	o-Xylene	50.000	49.261	1.5	106	0.00
70 T	Styrene	50.000	49.697	0.6	105	0.00
71 P	Bromoform	50.000	48.596	2.8	106	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	106	0.00
73 T	Isopropylbenzene	50.000	48.575	2.8	106	0.00
74 T	N-amyl acetate	50.000	47.957	4.1	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.621	6.8	104	0.00
76 T	1,2,3-Trichloropropane	50.000	51.916	-3.8	112	0.00
77 T	Bromobenzene	50.000	48.711	2.6	106	0.00
78 T	n-propylbenzene	50.000	49.662	0.7	107	0.00
79 T	2-Chlorotoluene	50.000	49.452	1.1	108	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.483	3.0	107	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.834	0.3	109	0.00
82 T	4-Chlorotoluene	50.000	49.687	0.6	107	0.00
83 T	tert-Butylbenzene	50.000	48.356	3.3	106	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.301	1.4	107	0.00
85 T	sec-Butylbenzene	50.000	49.364	1.3	107	0.00
86 T	p-Isopropyltoluene	50.000	50.129	-0.3	109	0.00
87 T	1,3-Dichlorobenzene	50.000	49.777	0.4	108	0.00
88 T	1,4-Dichlorobenzene	50.000	50.588	-1.2	110	0.00
89 T	n-Butylbenzene	50.000	52.728	-5.5	111	0.00

Data File : VU024505.D
Acq On : 13 Jun 2018 13:54
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Quant Time: Jun 13 17:05:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	48.065	3.9	108	0.00
91 T	1,2-Dichlorobenzene	50.000	48.826	2.3	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.536	0.9	104	0.00
93 T	1,2,4-Trichlorobenzene	50.000	58.374	-16.7	113	0.00
94 T	Hexachlorobutadiene	50.000	52.115	-4.2	112	0.00
95 T	Naphthalene	50.000	54.677	-9.4	114	0.00
96 T	1,2,3-Trichlorobenzene	50.000	58.045	-16.1	111	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3577 SAS No.: J3577 SDG No.: J3577
 Instrument ID: MSVOA_U Calibration Date/Time: 06/20/2018 10:58
 Lab File ID: VU024750.D Init. Calib. Date(s): 06/13/2018 06/13/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:33 13:28
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.626	0.537		-14.22	20
Chloromethane	0.639	0.576	0.1	-9.86	20
Vinyl Chloride	0.659	0.598		-9.26	20
Bromomethane	0.319	0.359		12.54	20
Chloroethane	0.431	0.389		-9.74	20
Trichlorofluoromethane	1.006	0.992		-1.39	20
1,1,2-Trichlorotrifluoroethane	0.624	0.562		-9.94	20
1,1-Dichloroethene	0.569	0.512		-10.02	20
Acetone	0.439	0.357		-18.68	20
Carbon Disulfide	1.823	1.555		-14.7	20
Methyl tert-butyl Ether	2.140	1.904		-11.03	20
Methyl Acetate	0.940	0.841		-10.53	20
Methylene Chloride	0.688	0.598		-13.08	20
trans-1,2-Dichloroethene	0.627	0.560		-10.69	20
1,1-Dichloroethane	1.205	1.088	0.1	-9.71	20
Cyclohexane	1.323	1.018		-23.05	20
2-Butanone	0.589	0.503		-14.6	20
Carbon Tetrachloride	0.646	0.628		-2.79	20
cis-1,2-Dichloroethene	0.721	0.662		-8.18	20
Bromochloromethane	0.531	0.488		-8.1	20
Chloroform	1.220	1.109		-9.1	20
1,1,1-Trichloroethane	1.128	1.000		-11.35	20
Methylcyclohexane	0.733	0.719		-1.91	20
Benzene	1.674	1.633		-2.45	20
1,2-Dichloroethane	0.638	0.619		-2.98	20
Trichloroethene	0.476	0.471		-1.05	20
1,2-Dichloropropane	0.447	0.449		0.45	20
Bromodichloromethane	0.625	0.596		-4.64	20
4-Methyl-2-Pentanone	0.695	0.640		-7.91	20
Toluene	1.077	1.072		-0.46	20
t-1,3-Dichloropropene	0.702	0.685		-2.42	20
cis-1,3-Dichloropropene	0.748	0.714		-4.55	20
1,1,2-Trichloroethane	0.438	0.436		-0.46	20
2-Hexanone	0.568	0.512		-9.86	20
Dibromochloromethane	0.546	0.521		-4.58	20
1,2-Dibromoethane	0.487	0.480		-1.44	20
Tetrachloroethene	0.475	0.446		-6.11	20
Chlorobenzene	1.277	1.275	0.3	-0.16	20
Ethyl Benzene	2.239	2.192		-2.1	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J3577 SAS No.: J3577 SDG No.: J3577
 Instrument ID: MSVOA_U Calibration Date/Time: 06/20/2018 10:58
 Lab File ID: VU024750.D Init. Calib. Date(s): 06/13/2018 06/13/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:33 13:28
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.860	0.870		1.16	20
o-Xylene	0.851	0.853		0.23	20
Styrene	1.398	1.406		0.57	20
Bromoform	0.461	0.435	0.1	-5.64	20
Isopropylbenzene	3.839	3.804		-0.91	20
1,1,2,2-Tetrachloroethane	1.286	1.238	0.3	-3.73	20
1,3-Dichlorobenzene	1.795	1.773		-1.23	20
1,4-Dichlorobenzene	1.807	1.814		0.39	20
1,2-Dichlorobenzene	1.798	1.786		-0.67	20
1,2-Dibromo-3-Chloropropane	0.355	0.317		-10.7	20
1,2,4-Trichlorobenzene	1.111	1.239		11.52	20
1,2,3-Trichlorobenzene	1.107	1.275		15.18	20
1,2-Dichloroethane-d4	0.816	0.662		-18.87	20
Dibromofluoromethane	0.415	0.376		-9.4	20
Toluene-d8	1.514	1.393		-7.99	20
4-Bromofluorobenzene	0.601	0.546		-9.15	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024750.D
 Acq On : 20 Jun 2018 10:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050

Manual Integrations
 APPROVED
 apatel
 6/21/2018 1:44:00 PM

Quant Time: Jun 20 14:58:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	191356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	282219	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	269160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	162800	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	126655	40.54	ug/l	0.00
Spiked Amount				50.000		
Recovery						81.08%
35) Dibromofluoromethane	4.89	113	106213	45.35	ug/l	0.00
Spiked Amount				50.000		
Recovery						90.70%
50) Toluene-d8	7.57	98	393264	46.03	ug/l	0.00
Spiked Amount				50.000		
Recovery						92.06%
62) 4-Bromofluorobenzene	10.31	95	154054	45.42	ug/l	0.00
Spiked Amount				50.000		
Recovery						90.84%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	102676	42.87	ug/l	99
3) Chloromethane	1.33	50	110217	45.04	ug/l	100
4) Vinyl Chloride	1.40	62	114387	45.33	ug/l	99
5) Bromomethane	1.63	94	68725	56.33	ug/l	99
6) Chloroethane	1.70	64	74417	52.83	ug/l	97
7) Trichlorofluoromethane	1.89	101	189814	49.29	ug/l	98
8) Diethyl Ether	2.10	74	68609	52.44	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	107596	45.03	ug/l	96
10) Methyl Iodide	2.41	142	81334	41.26	ug/l	97
11) Tert butyl alcohol	2.83	59	136083	179.11	ug/l	98
12) 1,1-Dichloroethene	2.28	96	97891	44.93	ug/l	92
13) Acrolein	2.20	56	73250	183.60	ug/l	100
14) Allyl chloride	2.60	41	188320	46.55	ug/l	90
15) Acrylonitrile	2.94	53	322357	218.07	ug/l	98
16) Acetone	2.33	43	341582	203.51	ug/l	98
17) Carbon Disulfide	2.48	76	297561	42.65	ug/l	99
18) Methyl Acetate	2.62	43	160843	44.70	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	364385	44.49	ug/l	96
20) Methylene Chloride	2.70	84	114469	43.46	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	107199	44.67	ug/l	93
22) Diisopropyl ether	3.57	45	367371	45.81	ug/l	96
23) Vinyl Acetate	3.53	43	1602238	223.03	ug/l	98
24) 1,1-Dichloroethane	3.45	63	208263	45.14	ug/l	99
25) 2-Butanone	4.26	43	481608	213.61	ug/l	97
26) 2,2-Dichloropropane	4.23	77	193553	44.18	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	126693	45.92	ug/l	98
28) Bromochloromethane	4.55	49	93432	45.98	ug/l	90
29) Tetrahydrofuran	4.64	42	290905	208.36	ug/l	97
30) Chloroform	4.68	83	212236	45.45	ug/l	99
31) Cyclohexane	5.00	56	194746	47.43	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	191403	44.33	ug/l	96
36) 1,1-Dichloropropene	5.14	75	158872	47.91	ug/l	96
37) Ethyl Acetate	4.38	43	173161	47.91	ug/l	97
38) Carbon Tetrachloride	5.14	117	177123	48.57	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024750.D
 Acq On : 20 Jun 2018 10:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/21/2018 1:44:00 PM

Quant Time: Jun 20 14:58:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	203041	49.06	ug/l	94
40) Benzene	5.39	78	460903	48.77	ug/l	99
41) Methacrylonitrile	4.54	41	95064	48.78	ug/l	98
42) 1,2-Dichloroethane	5.41	62	174605	48.51	ug/l	99
43) Isopropyl Acetate	5.55	43	284308	45.50	ug/l	98
44) Trichloroethene	6.19	130	133042	49.47	ug/l	93
45) 1,2-Dichloropropane	6.44	63	126650	50.23	ug/l	96
46) Dibromomethane	6.56	93	87916	49.64	ug/l	95
47) Bromodichloromethane	6.76	83	168295	47.72	ug/l	99
48) Methyl methacrylate	6.62	41	141662	46.56	ug/l	98
49) 1,4-Dioxane	6.63	88	63686	1070.41	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	902734	229.98	ug/l	99
52) Toluene	7.64	92	302463	49.75	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	193361	48.82	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	201443	47.73	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	122931	49.74	ug/l	99
56) Ethyl methacrylate	8.02	69	199335	48.19	ug/l	99
57) 1,3-Dichloropropane	8.25	76	207296	49.73	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	314381	198.39	ug/l	96
59) 2-Hexanone	8.36	43	722111	225.34	ug/l	99
60) Dibromochloromethane	8.48	129	147018	47.71	ug/l	98
61) 1,2-Dibromoethane	8.59	107	135401	49.23	ug/l	100
64) Tetrachloroethene	8.23	164	119942	46.88	ug/l	98
65) Chlorobenzene	9.12	112	343178	49.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	132120	50.58	ug/l	99
67) Ethyl Benzene	9.25	91	590097	48.95	ug/l	96
68) m/p-Xylenes	9.38	106	468446	101.20	ug/l	95
69) o-Xylene	9.78	106	229550	50.11	ug/l	94
70) Styrene	9.80	104	378527	50.28	ug/l	100
71) Bromoform	9.96	173	117015	47.13	ug/l #	97
73) Isopropylbenzene	10.17	105	619210	49.54	ug/l	99
74) N-amyl acetate	10.01	43	271461	45.66	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	201485	48.10	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	169977m	47.42	ug/l	
77) Bromobenzene	10.45	156	156288	49.39	ug/l	95
78) n-propylbenzene	10.59	91	718019	48.77	ug/l	97
79) 2-Chlorotoluene	10.66	91	421569	48.55	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	536192	49.49	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	62412m	40.30	ug/l	
82) 4-Chlorotoluene	10.78	91	494261	48.91	ug/l	98
83) tert-Butylbenzene	11.10	119	527941	50.66	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	549645	49.78	ug/l	100
85) sec-Butylbenzene	11.33	105	648661	49.73	ug/l	98
86) p-Isopropyltoluene	11.48	119	586272	50.18	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	288639	49.37	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	295254	50.18	ug/l	99
89) n-Butylbenzene	11.89	91	511150	49.28	ug/l	97
90) Hexachloroethane	12.15	117	103682	45.49	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	290752	49.65	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51658	44.70	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024750.D
 Acq On : 20 Jun 2018 10:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED
 apatel
 6/21/2018 1:44:00 PM

Quant Time: Jun 20 14:58:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	201742	55.79	ug/l	99
94) Hexachlorobutadiene	13.70	225	102771	50.50	ug/l	99
95) Naphthalene	13.74	128	616012	51.44	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	207570	57.61	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

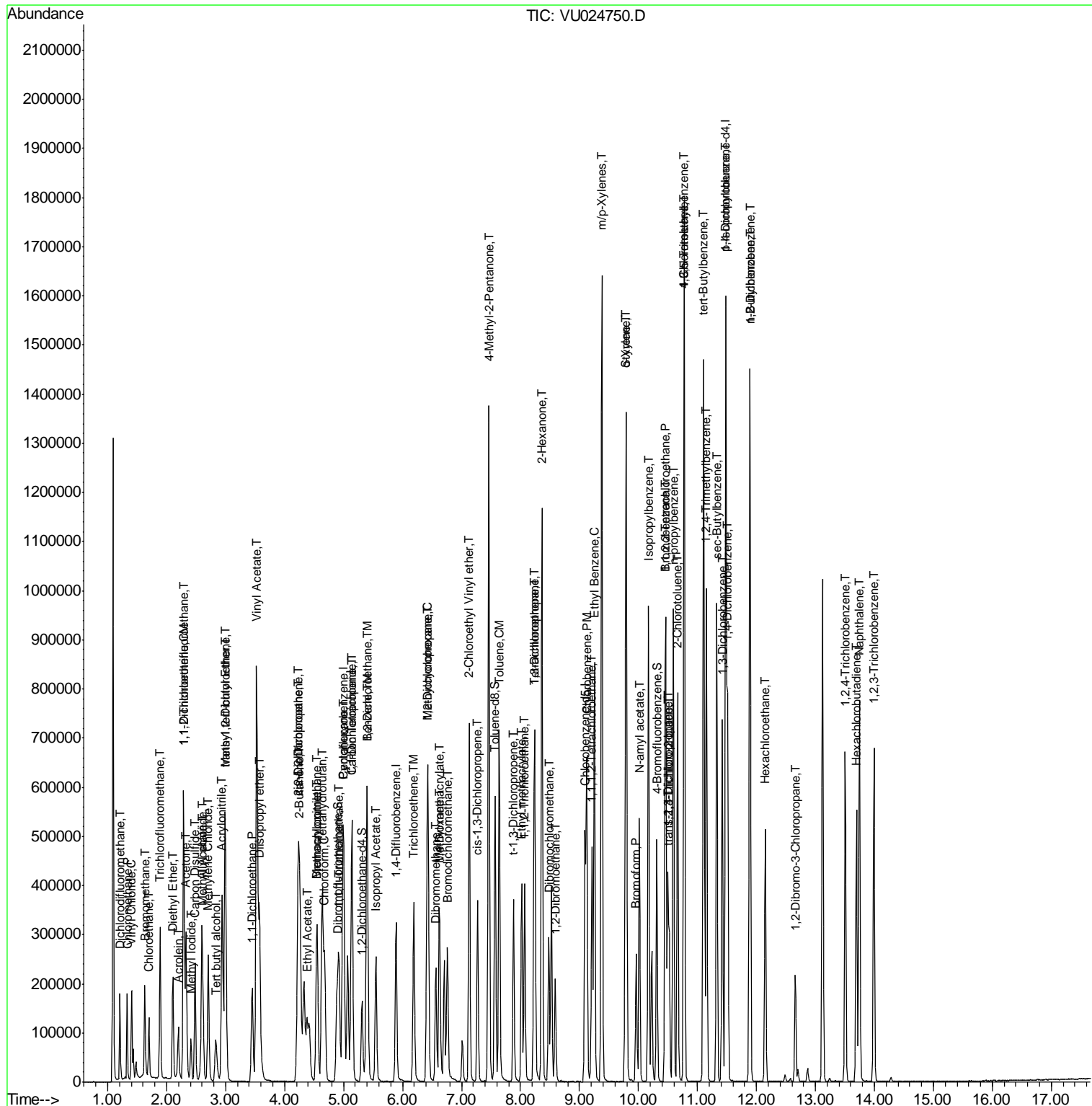
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024750.D
Acq On : 20 Jun 2018 10:58
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

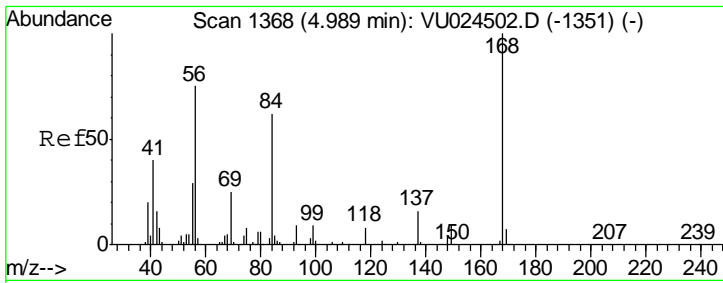
Instrument : MSVOA_U
Client Sampled : VSTDCCC050

Manual Integrations APPROVED
apatel
6/21/2018 1:44:00 PM

Quant Time: Jun 20 14:58:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration



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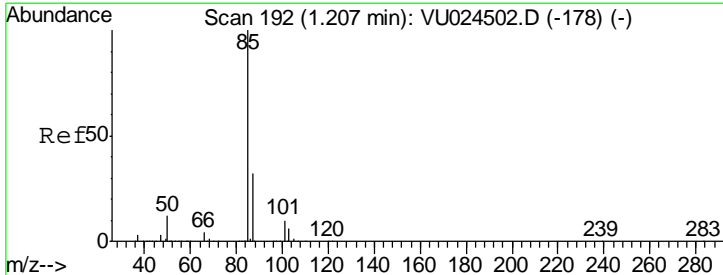
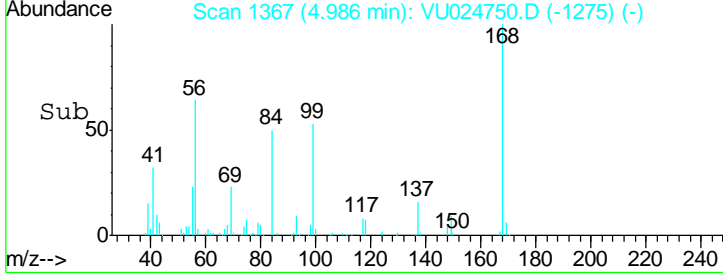
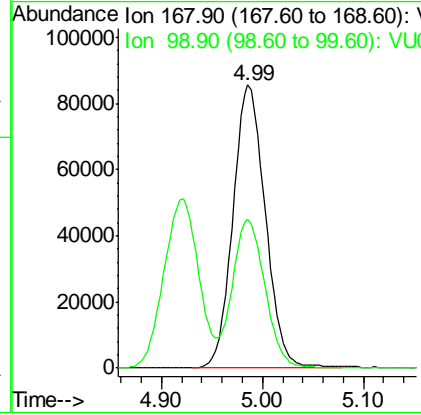
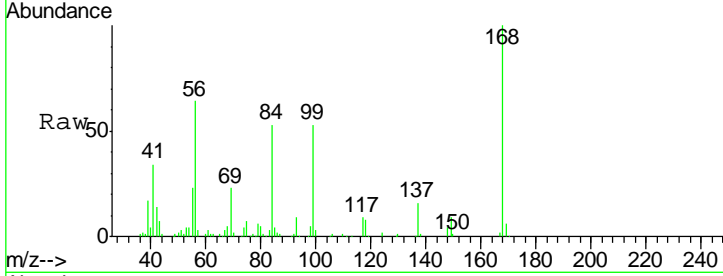


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
168	100		
99	52.2	43.2	64.8

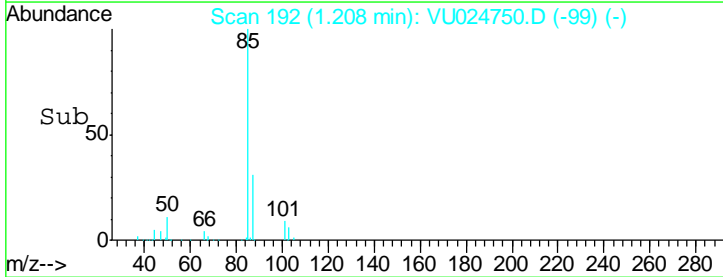
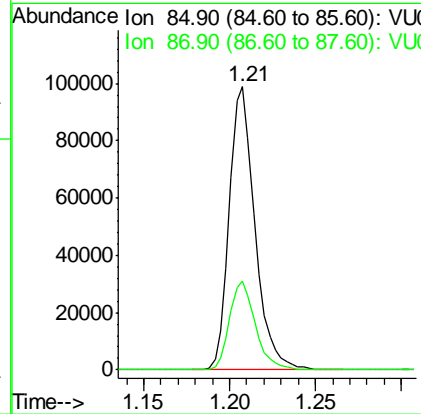
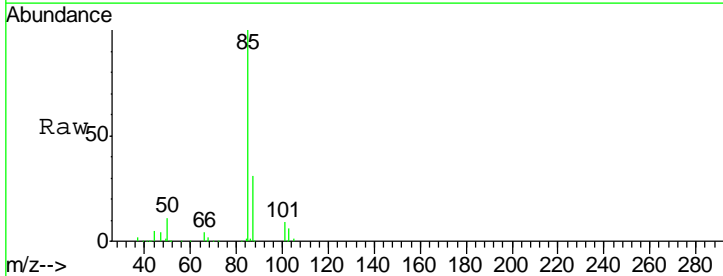
Instrument : MSVOA_U
 Client Sampled : VSTDC050

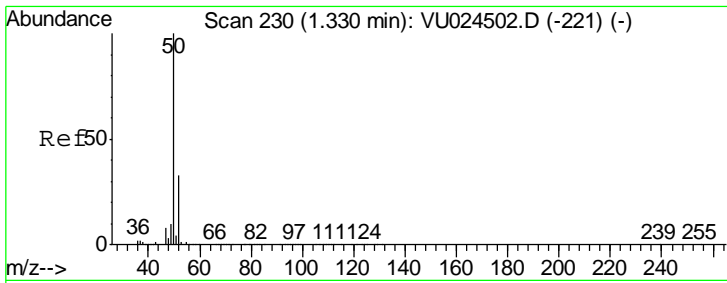
Manual Integrations APPROVED
 apatel
 6/21/2018 1:44:00 PM



#2
 Dichlorodifluoromethane
 Concen: 42.87 ug/l
 RT: 1.21 min Scan# 192
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.3	16.1	48.2



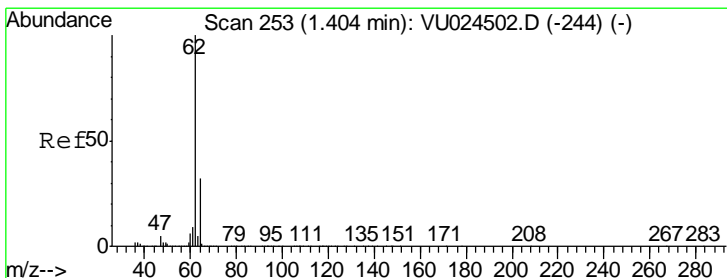
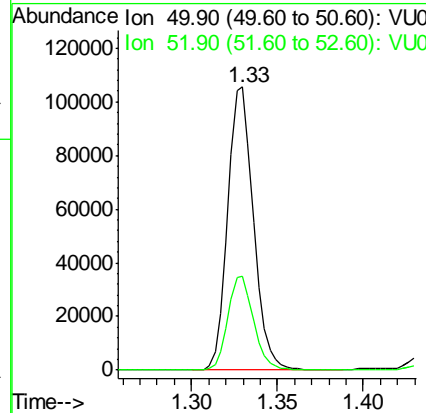
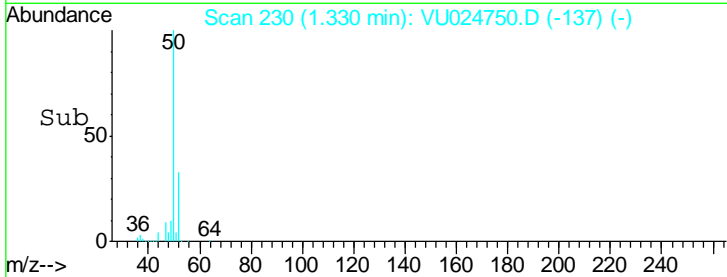
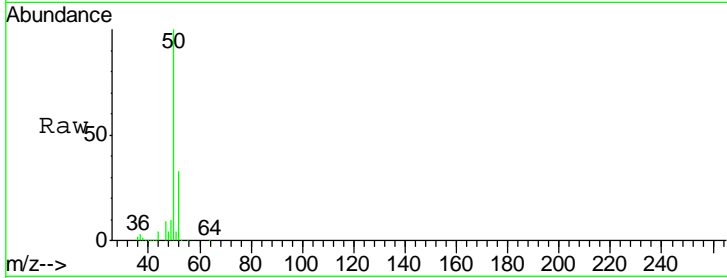


#3
 Chloromethane
 Concen: 45.04 ug/l
 RT: 1.33 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
50	110217		
52	33.1	26.4	39.6

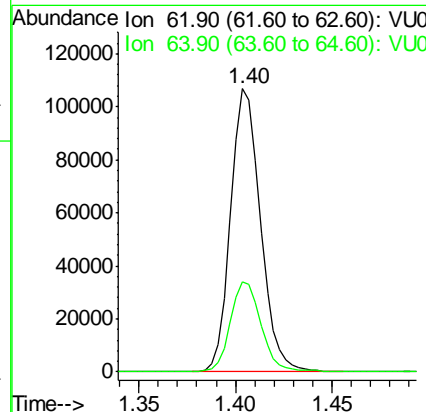
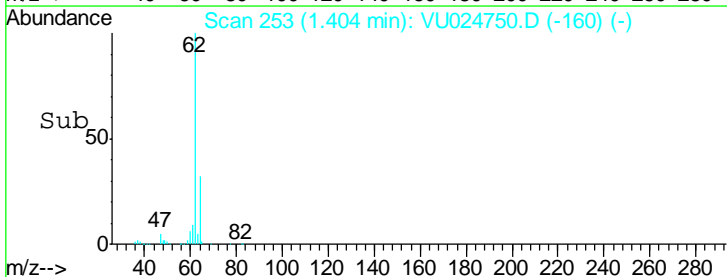
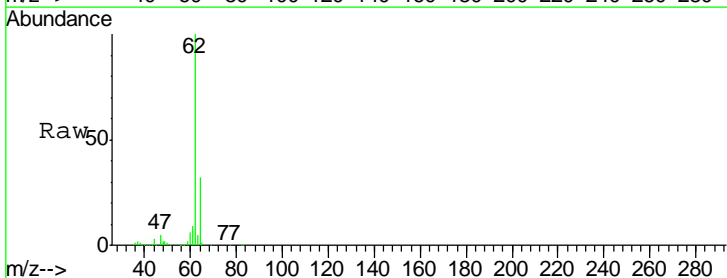
Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

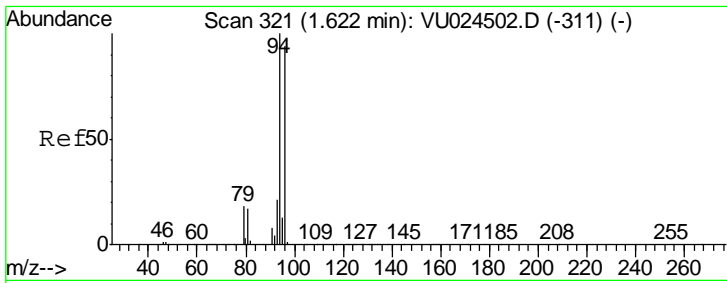
Manual Integrations
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#4
 Vinyl Chloride
 Concen: 45.33 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
62	114387		
64	31.8	24.8	37.2



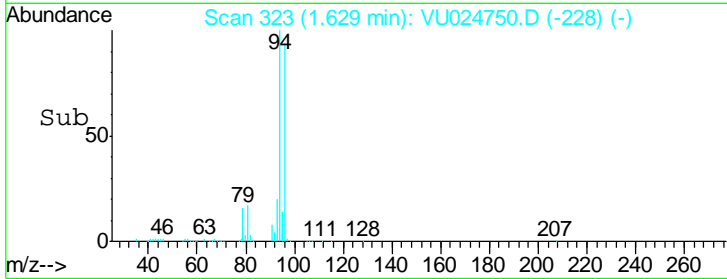
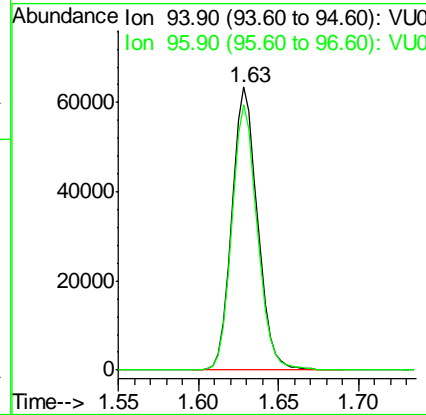
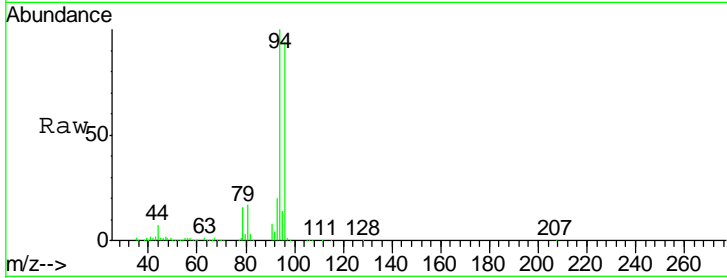


#5
 Bromomethane
 Concen: 56.33 ug/l
 RT: 1.63 min Scan# 323
 Delta R.T. 0.01 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.9	74.5	111.7

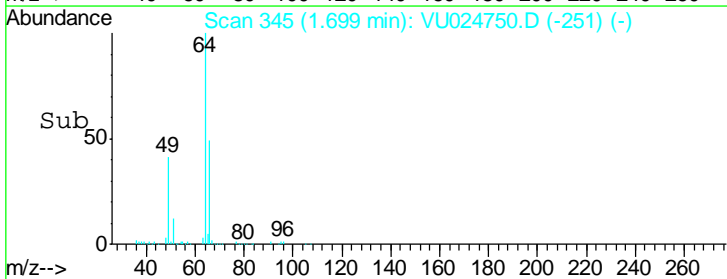
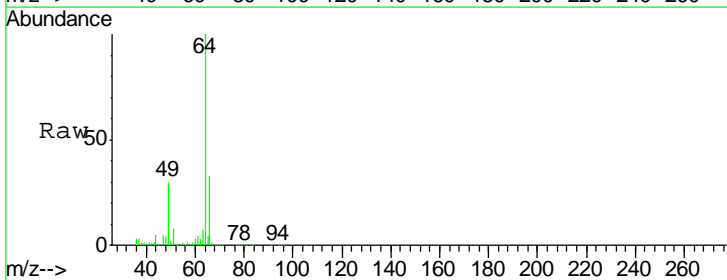
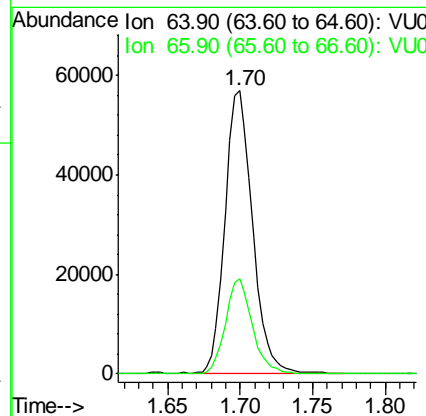
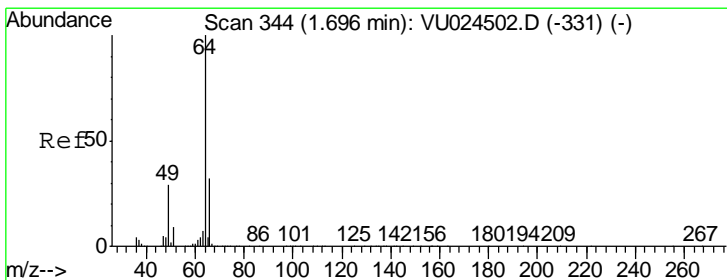
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

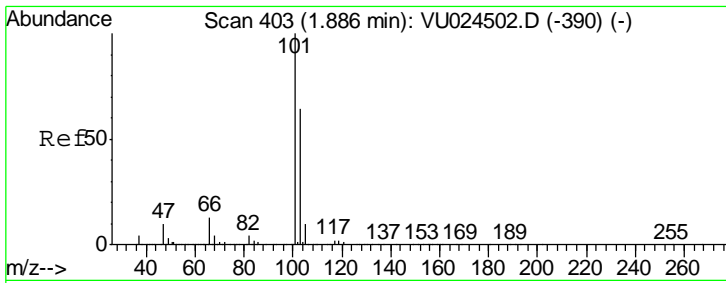
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 52.83 ug/l
 RT: 1.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
64	100		
66	33.6	25.5	38.3



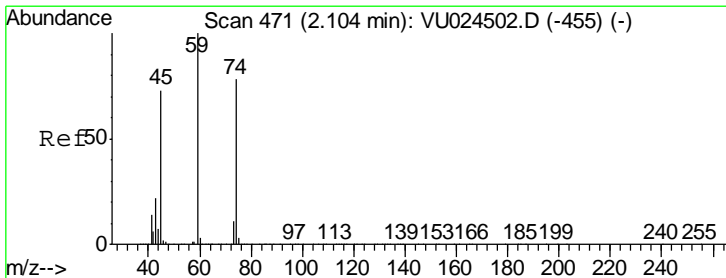
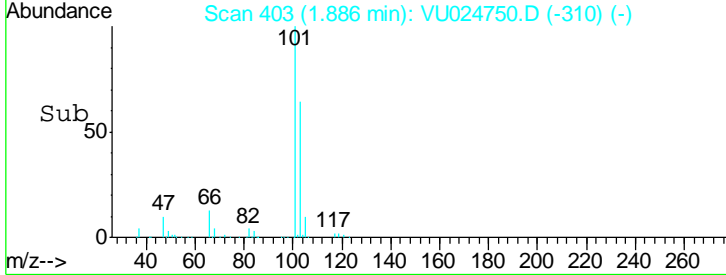
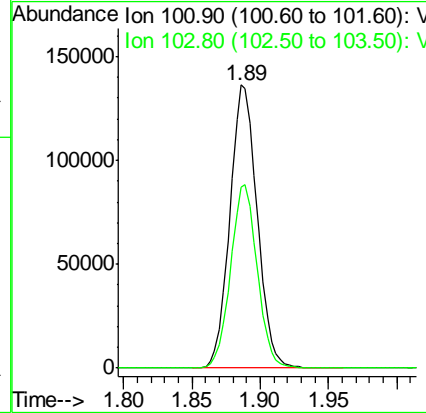
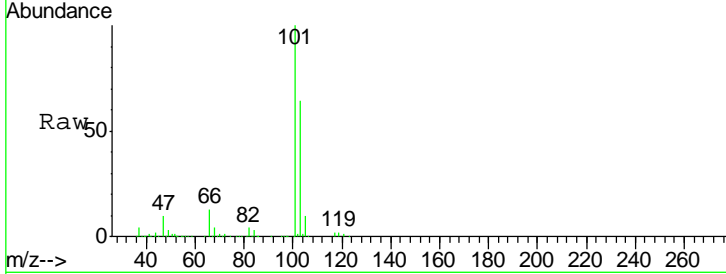


#7
 Trichlorofluoromethane
 Concen: 49.29 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
101	189814		
101	100		
103	63.9	52.3	78.5

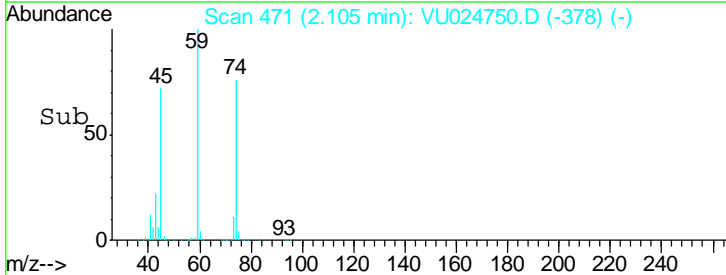
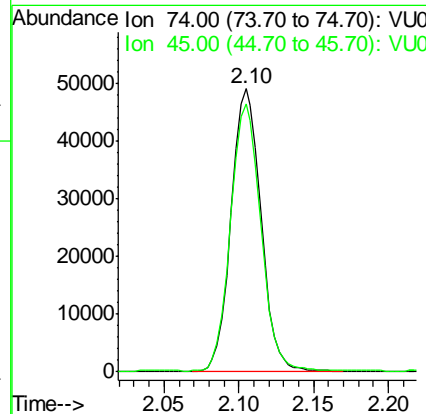
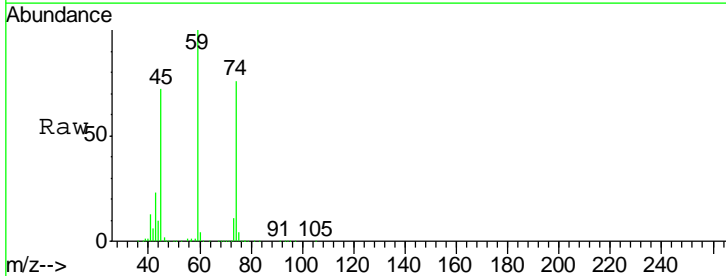
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

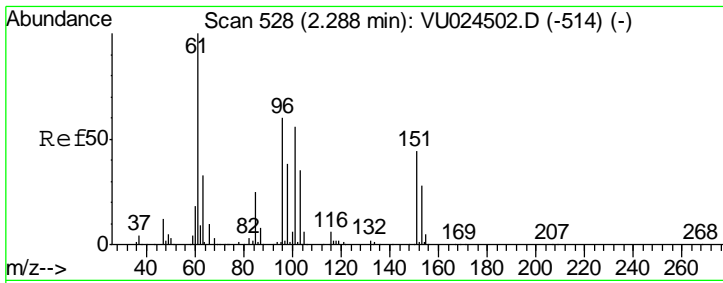
Manual Integrations
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#8
 Diethyl Ether
 Concen: 52.44 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

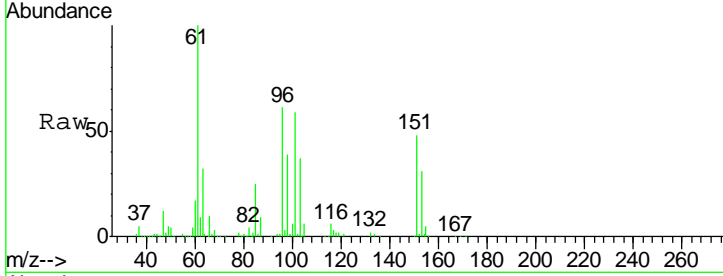
Tgt Ion	Resp	Lower	Upper
74	68609		
74	100		
45	95.0	55.0	165.0





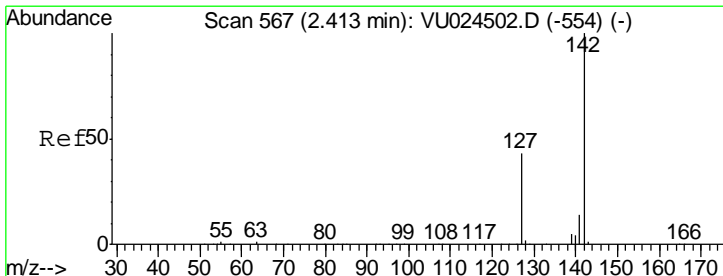
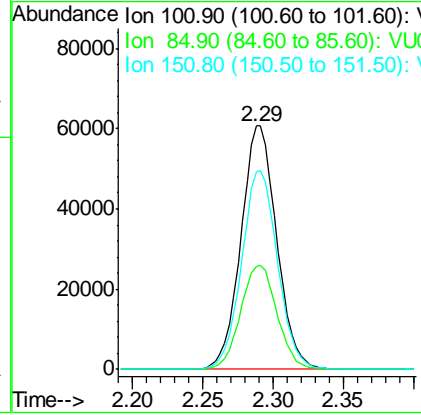
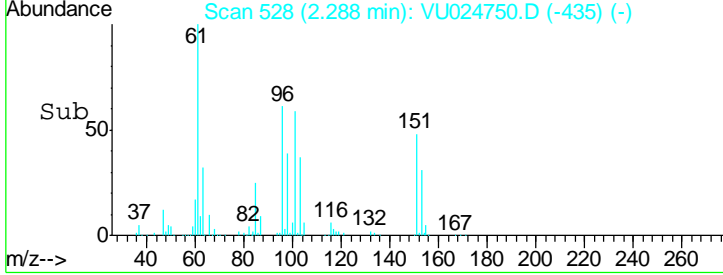
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.03 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050



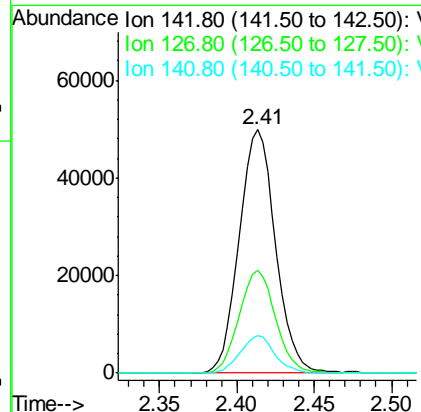
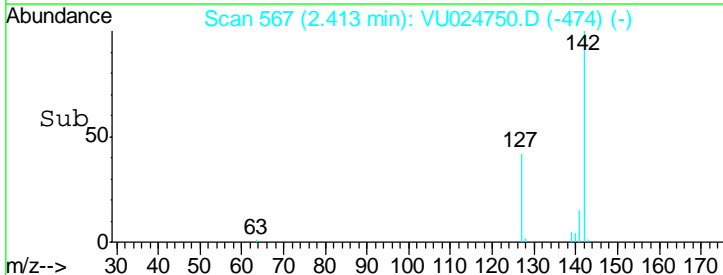
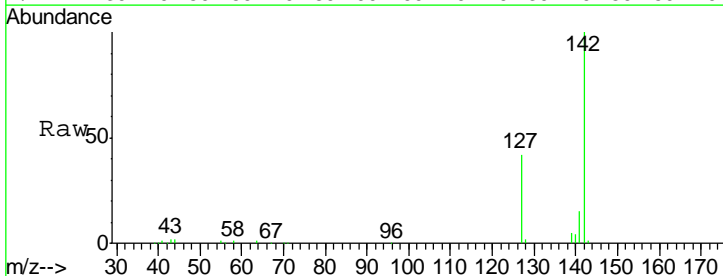
Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.6	36.0	54.0
151	82.5	62.3	93.5

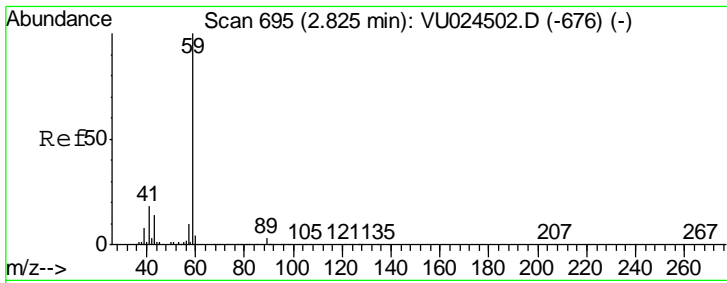
Manual Integrations
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#10
 Methyl Iodide
 Concen: 41.26 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	35.6	53.4
141	14.7	11.7	17.5



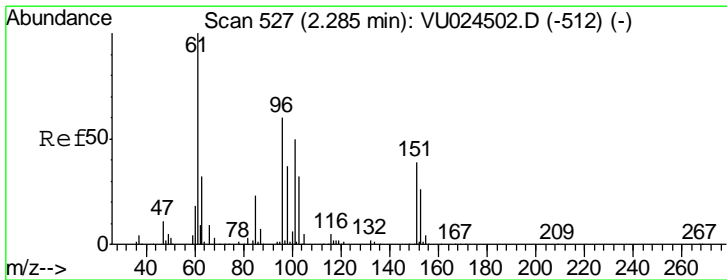
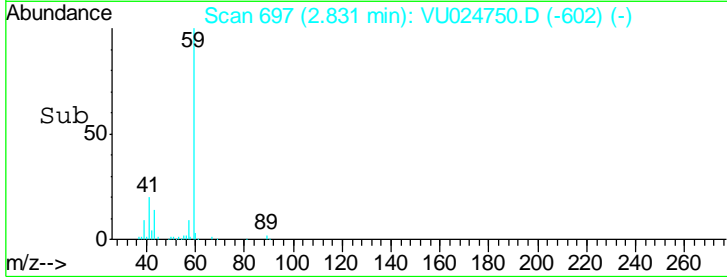
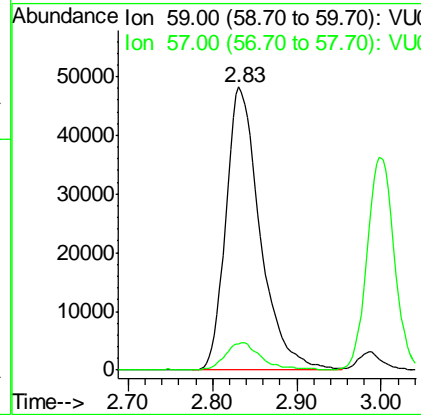
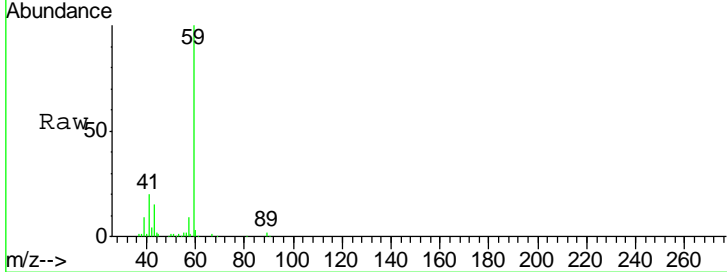


#11
 Tert butyl alcohol
 Concen: 179.11 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
59	136083		
57	9.9	8.5	12.7

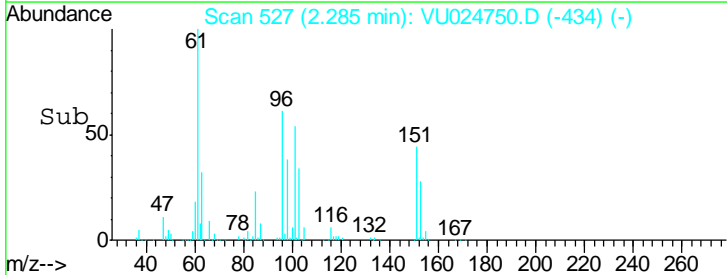
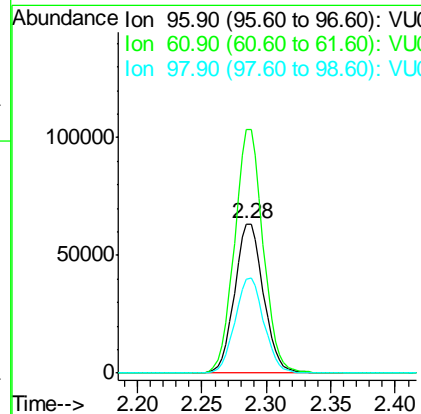
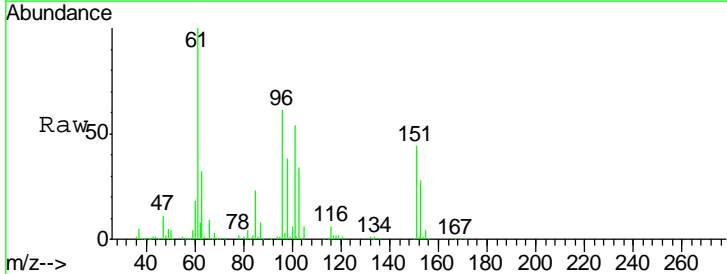
Manual Integrations
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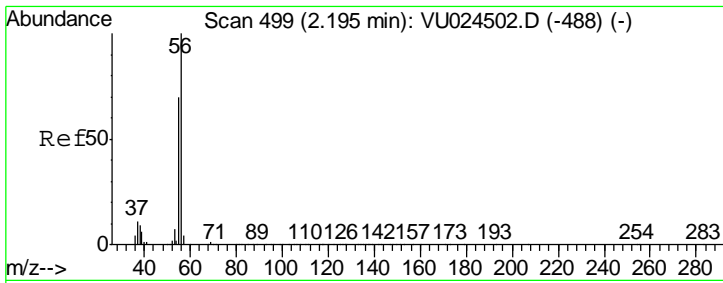


#12
 1,1-Dichloroethene
 Concen: 44.93 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
96	97891		
61	163.2	141.7	212.5
98	62.7	51.6	77.4





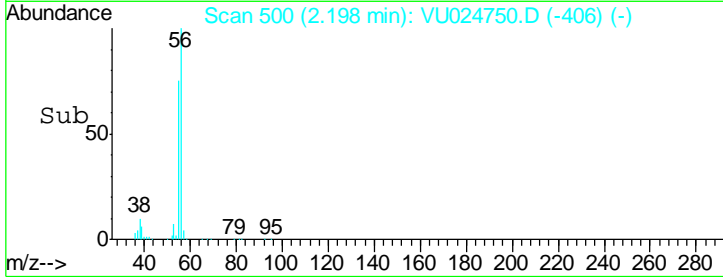
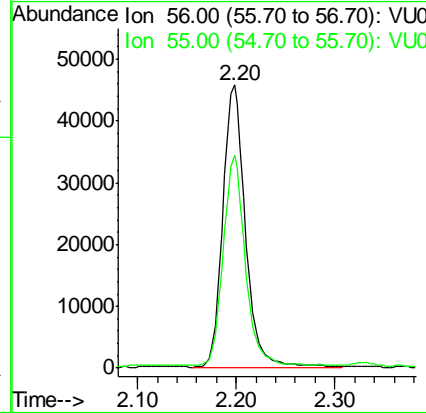
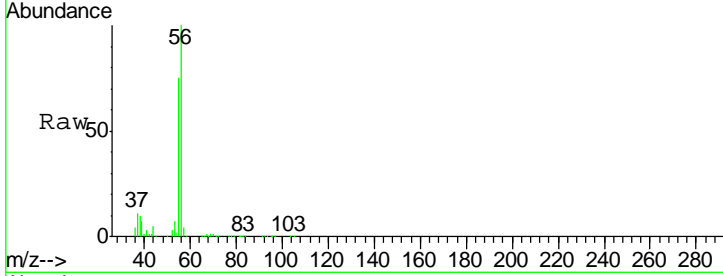
#13
 Acrolein
 Concen: 183.60 ug/l
 RT: 2.20 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
56	73250		
55	72.7	58.4	87.6

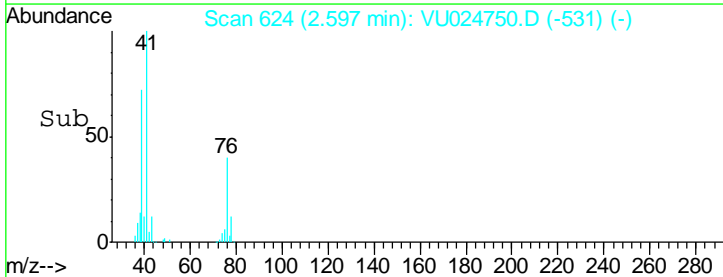
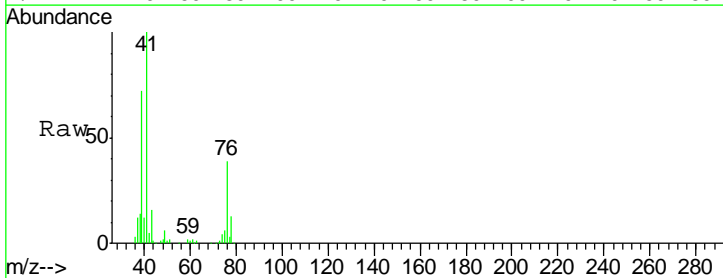
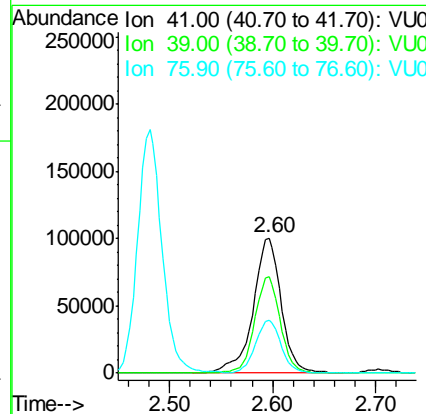
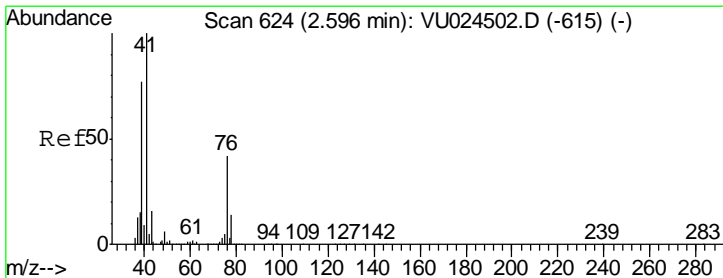
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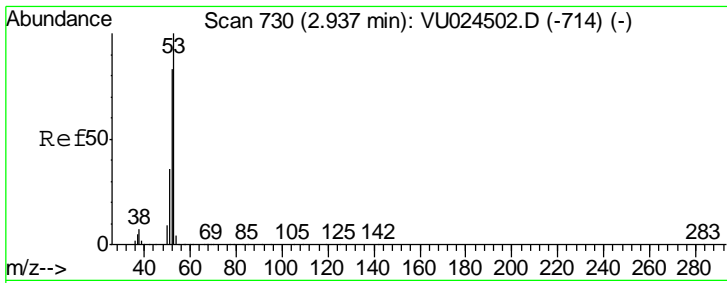
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#14
 Allyl chloride
 Concen: 46.55 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
41	188320		
39	65.6	61.6	92.4
76	35.6	29.7	44.5



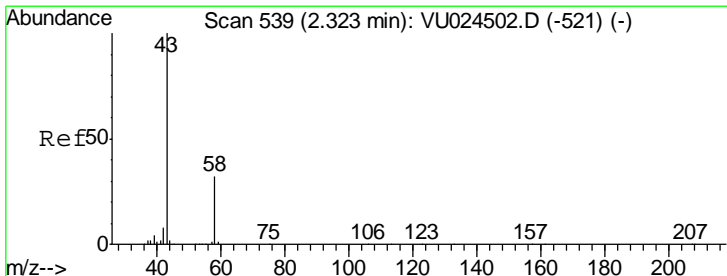
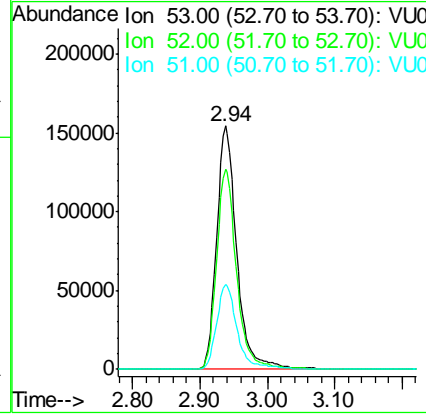
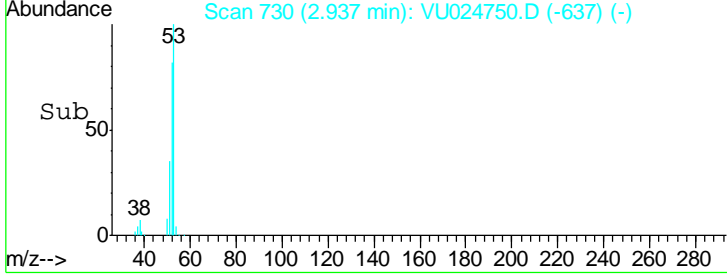
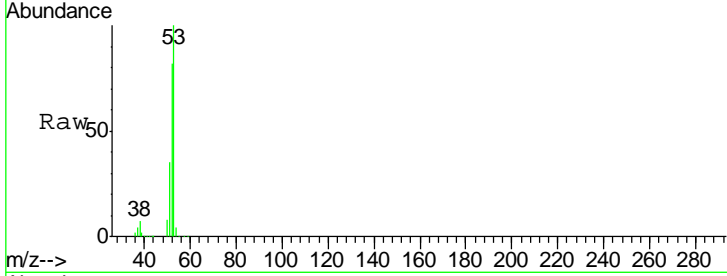


#15
 Acrylonitrile
 Concen: 218.07 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.6	67.1	100.7
51	35.8	28.4	42.6

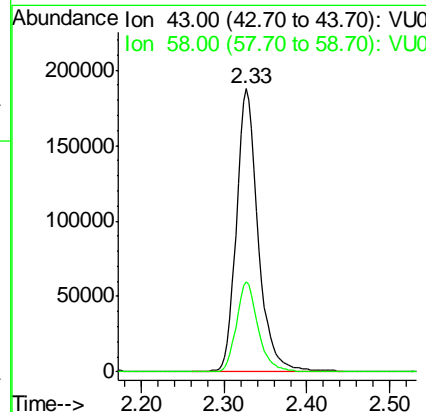
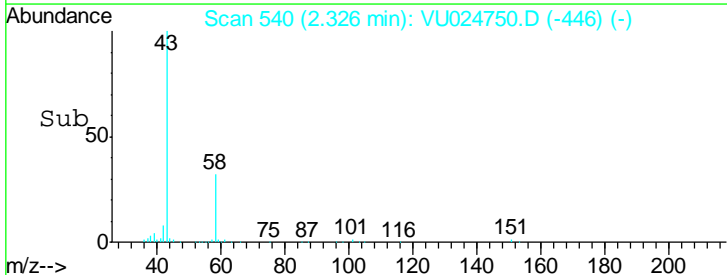
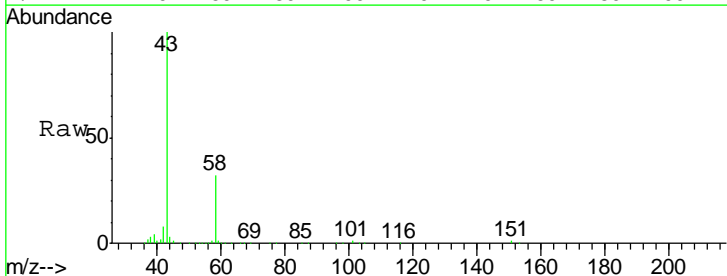
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

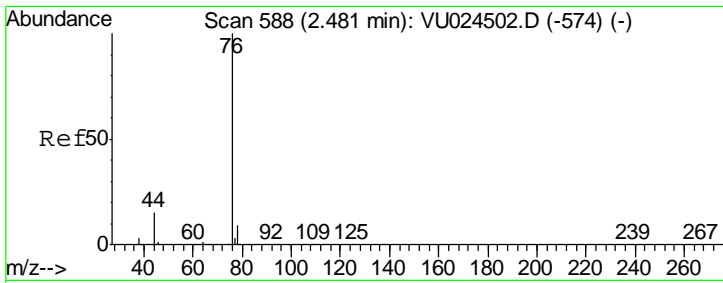
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#16
 Acetone
 Concen: 203.51 ug/l
 RT: 2.33 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.8	24.4	36.6



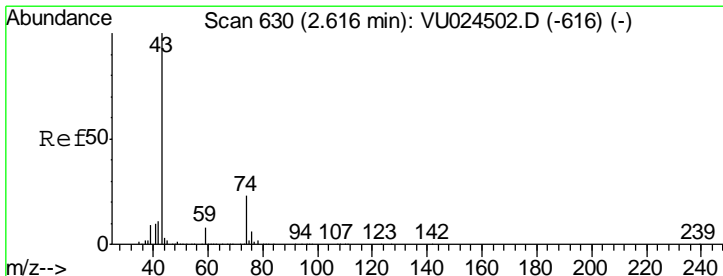
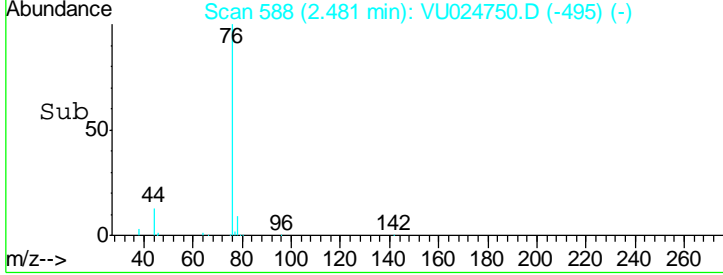
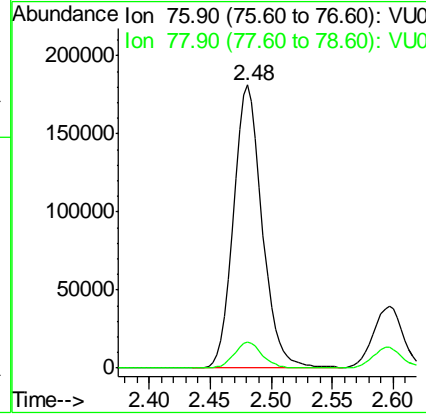
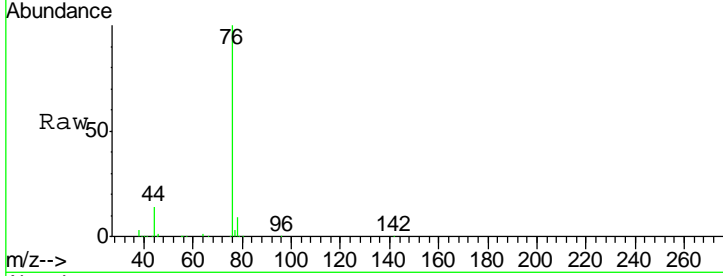


#17
 Carbon Disulfide
 Concen: 42.65 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
76	297561		
76	100		
78	9.2	7.1	10.7

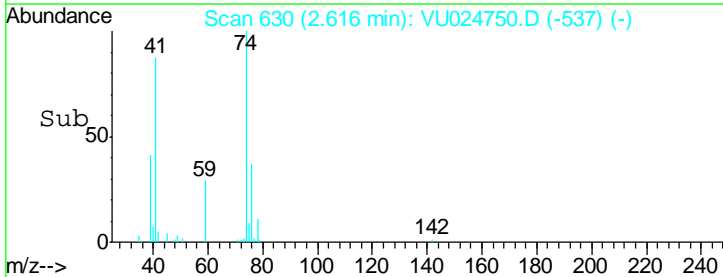
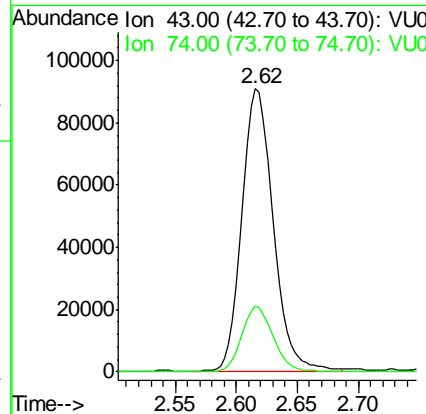
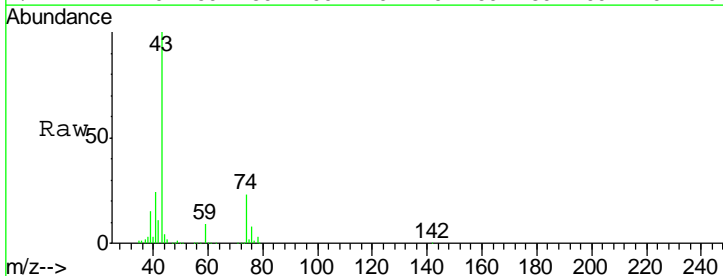
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

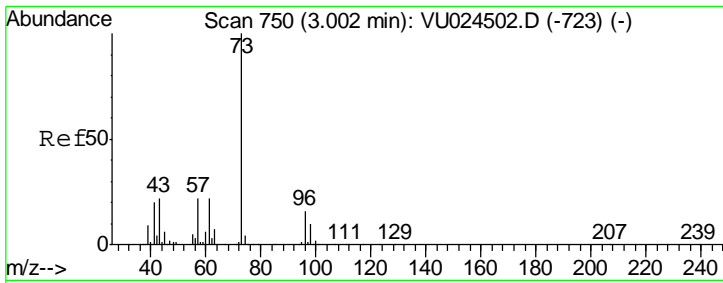
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#18
 Methyl Acetate
 Concen: 44.70 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
43	160843		
43	100		
74	23.5	18.0	27.0



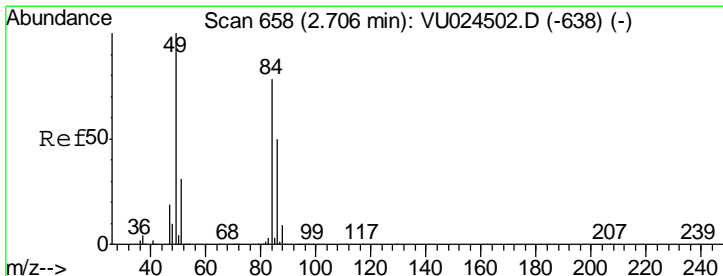
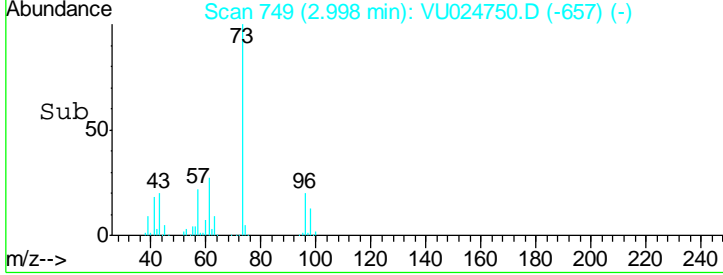
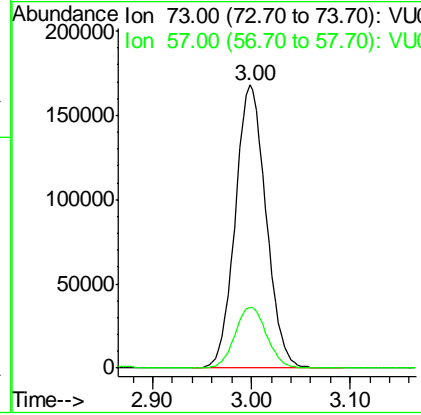
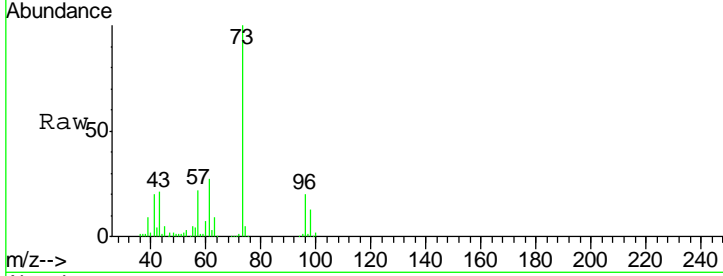


#19
 Methyl tert-butyl Ether
 Concen: 44.49 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
73	364385		
73	100		
57	21.6	18.8	28.2

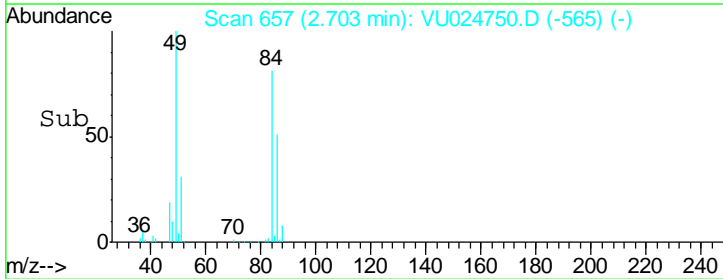
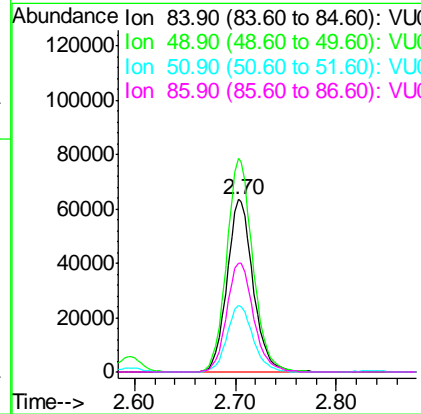
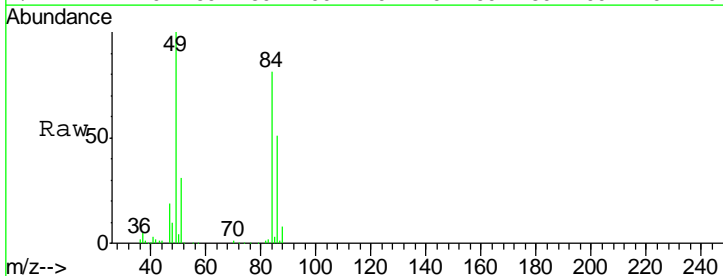
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

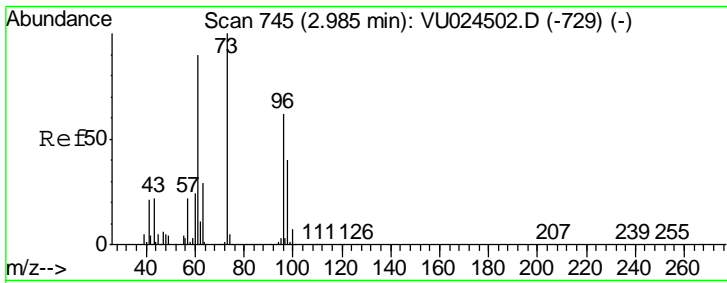
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#20
 Methylene Chloride
 Concen: 43.46 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

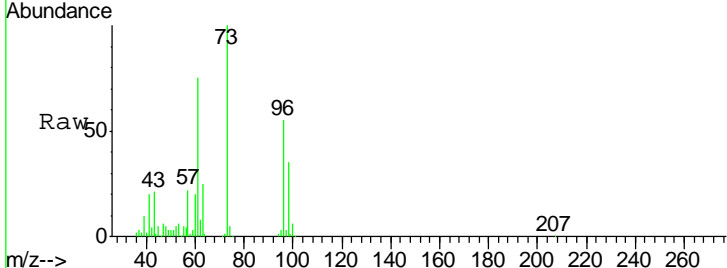
Tgt Ion	Resp	Lower	Upper
84	114469		
84	100		
49	123.8	103.8	155.8
51	38.3	32.0	48.0
86	63.5	51.6	77.4





#21
 trans-1,2-Dichloroethene
 Concen: 44.67 ug/l
 RT: 2.99 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

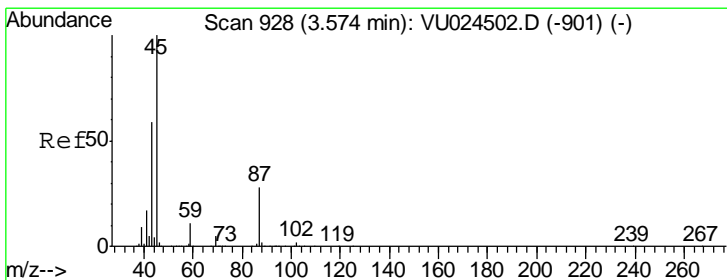
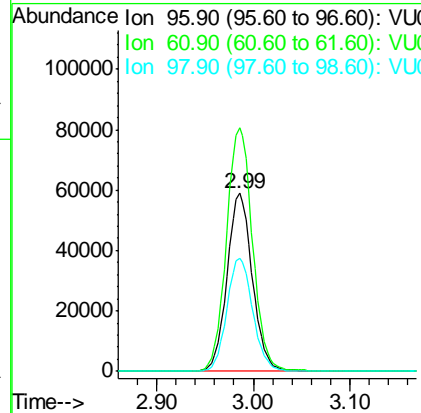
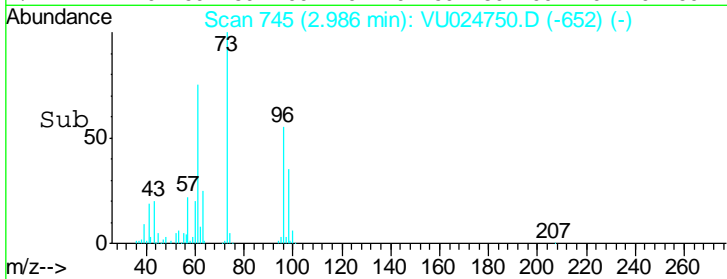
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050



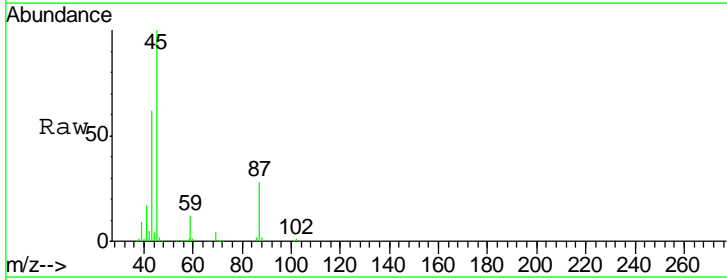
Tgt Ion: 96 Resp: 107199

Ion	Ratio	Lower	Upper
96	100		
61	136.7	119.4	179.0
98	63.7	51.1	76.7

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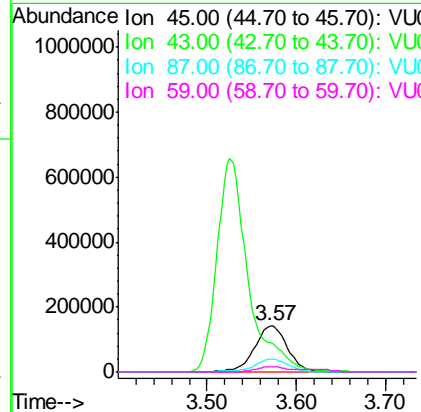
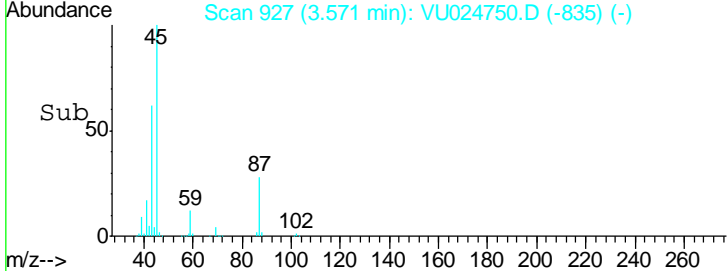


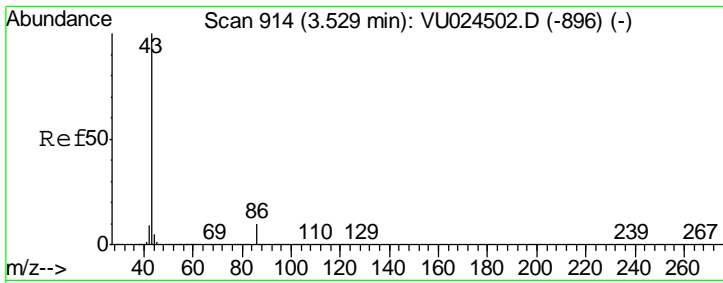
#22
 Diisopropyl ether
 Concen: 45.81 ug/l
 RT: 3.57 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58



Tgt Ion: 45 Resp: 367371

Ion	Ratio	Lower	Upper
45	100		
43	60.5	45.8	68.6
87	28.2	20.6	31.0
59	11.7	9.4	14.0



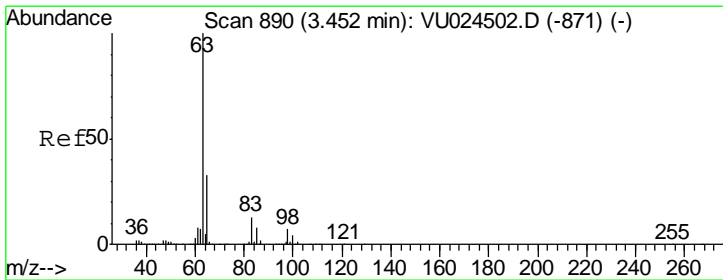
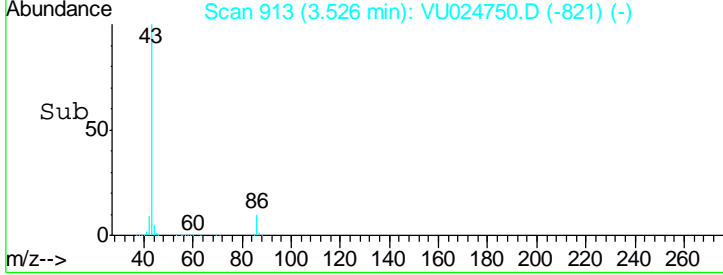
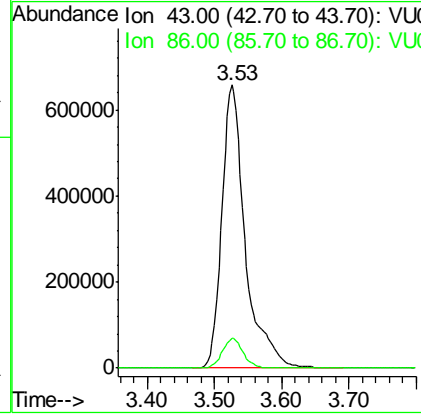
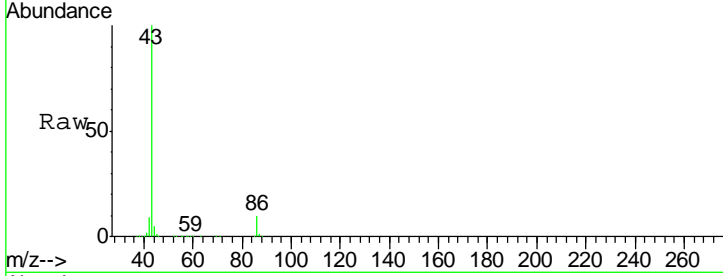


#23
 Vinyl Acetate
 Concen: 223.03 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.4	7.8	11.8

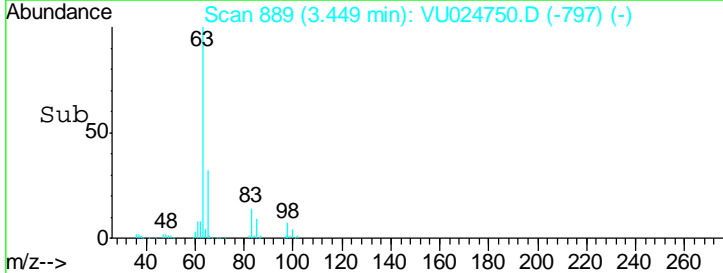
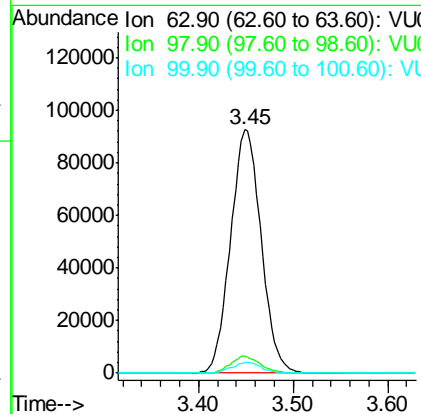
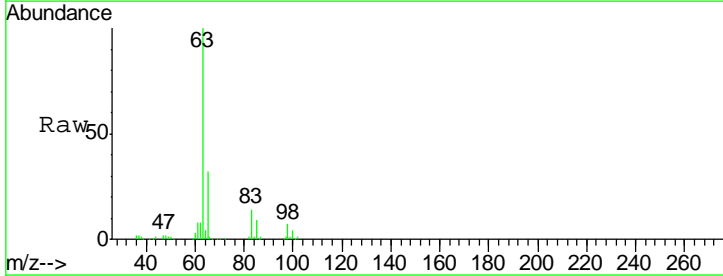
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

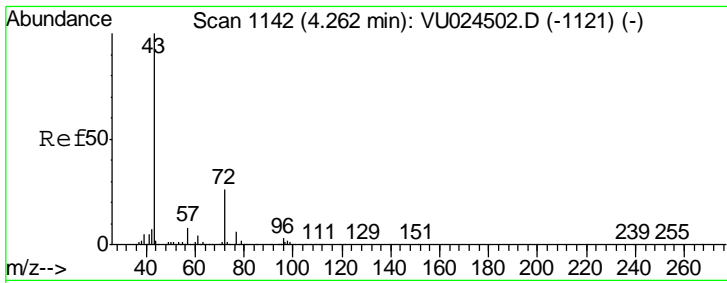
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#24
 1,1-Dichloroethane
 Concen: 45.14 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
63	100		
98	7.1	3.5	10.4
100	4.2	1.8	5.5



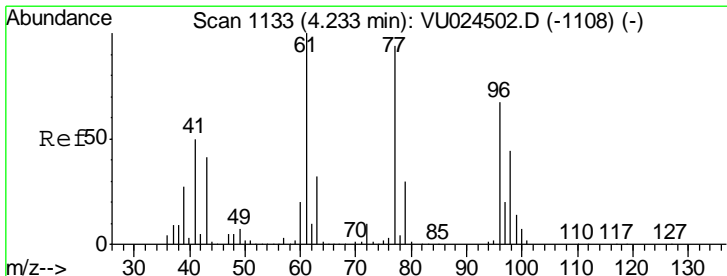
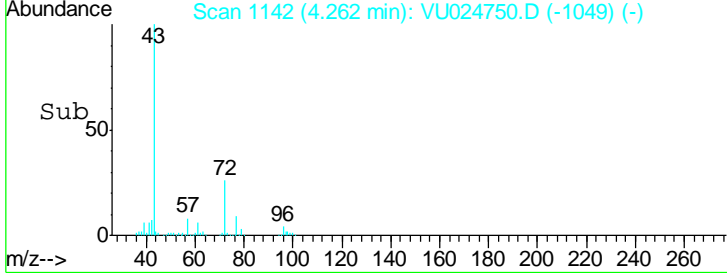
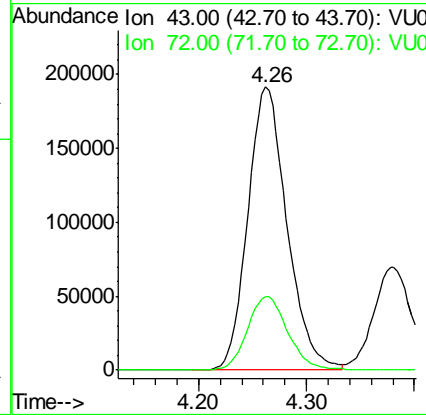
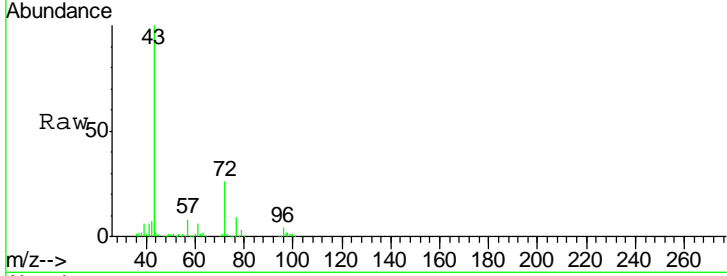


#25
 2-Butanone
 Concen: 213.61 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.1	19.6	29.4

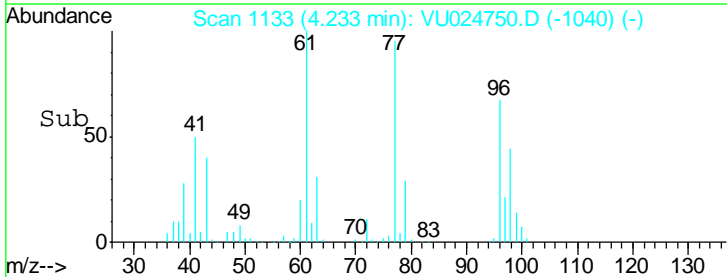
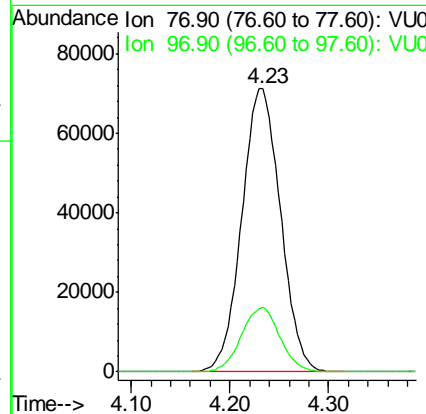
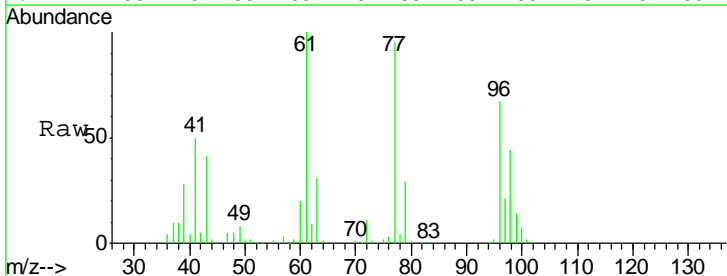
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

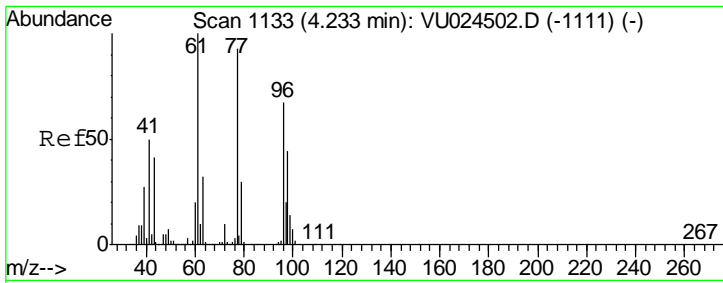
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#26
 2,2-Dichloropropane
 Concen: 44.18 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
77	100		
97	22.7	11.3	33.8



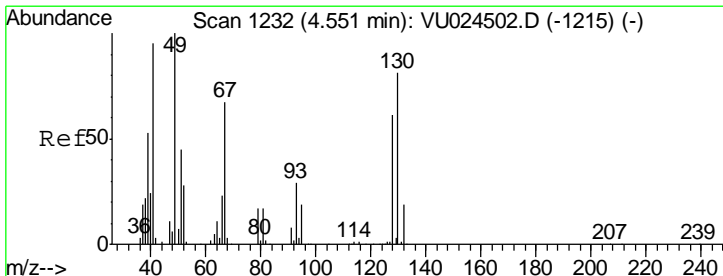
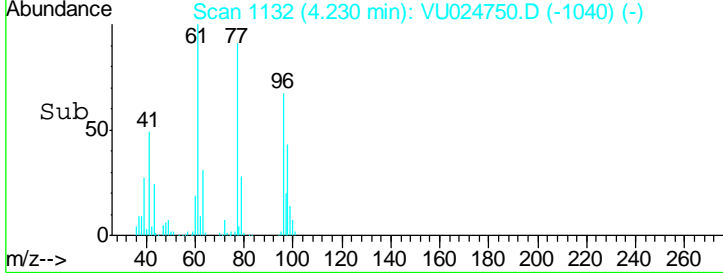
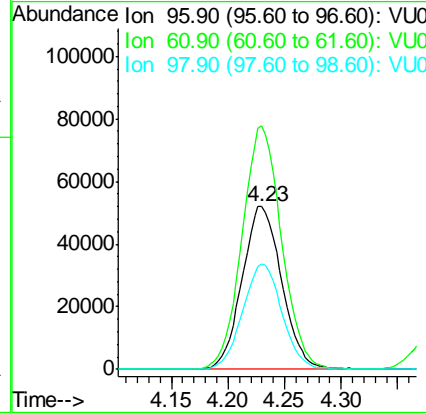
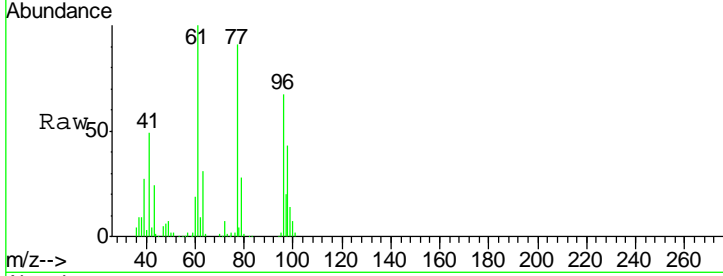


#27
 cis-1,2-Dichloroethene
 Concen: 45.92 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDC050

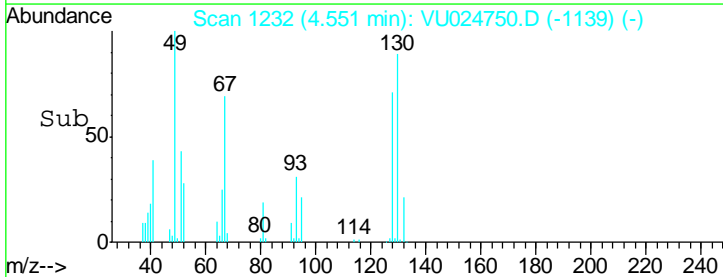
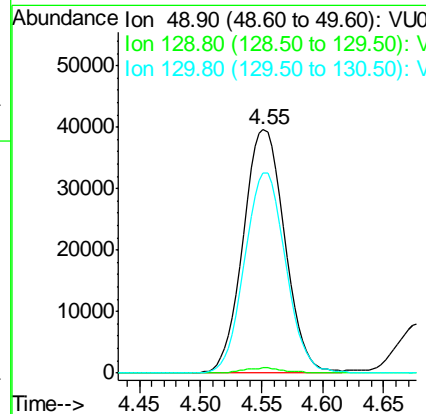
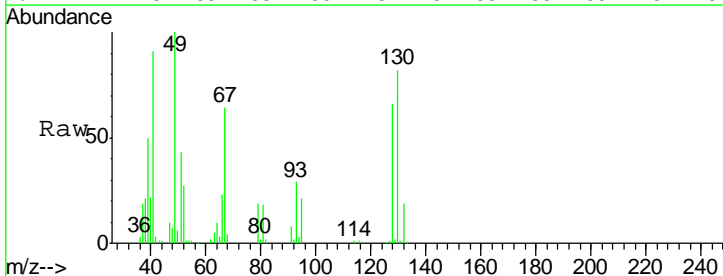
Tgt Ion	Resp	Lower	Upper
96	126693		
96	100		
61	149.2	0.0	306.6
98	64.5	0.0	128.8

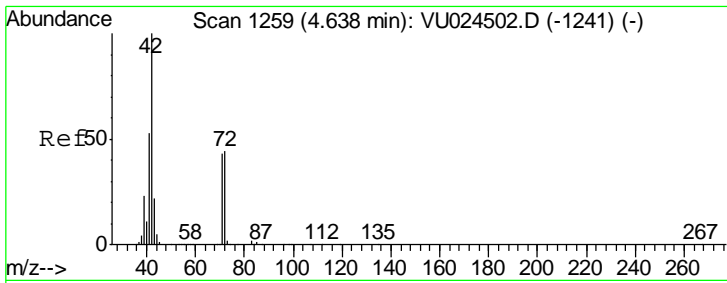
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#28
 Bromochloromethane
 Concen: 45.98 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
49	93432		
49	100		
129	2.1	0.0	3.8
130	81.1	57.8	86.6



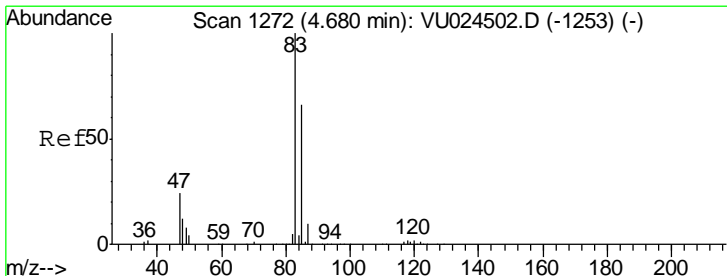
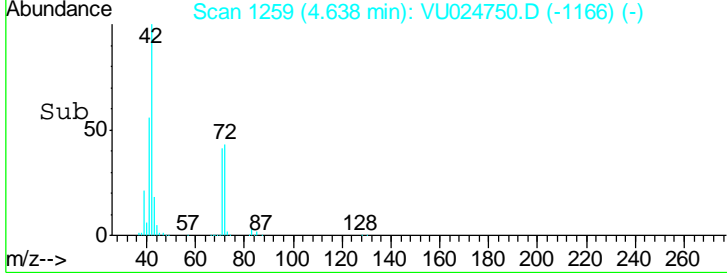
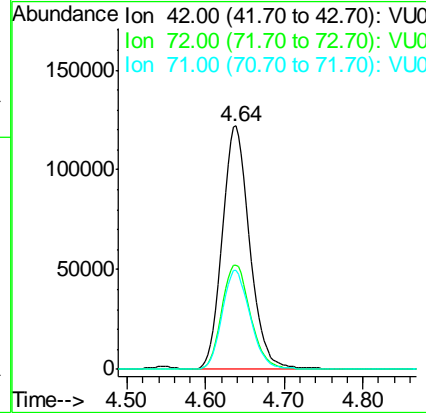
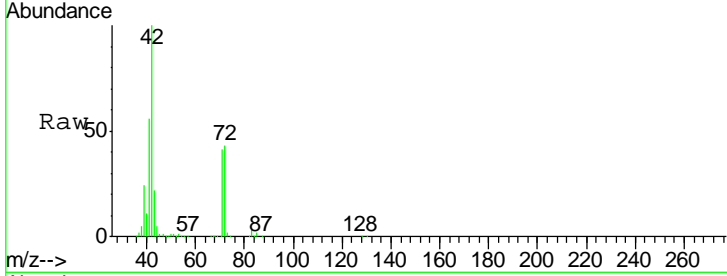


#29
 Tetrahydrofuran
 Concen: 208.36 ug/l
 RT: 4.64 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

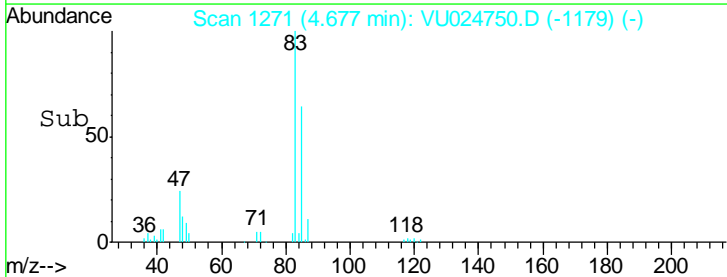
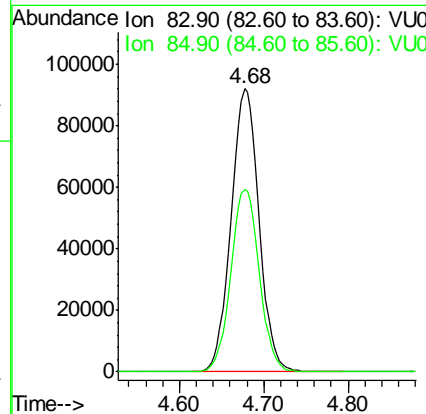
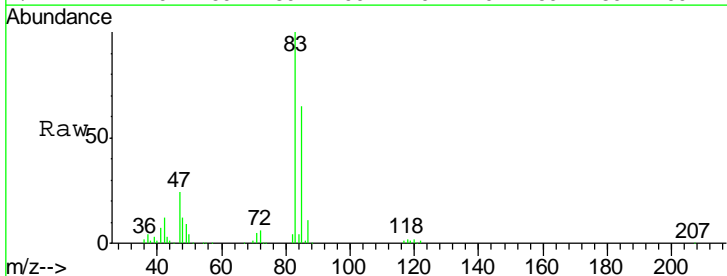
Tgt Ion	Resp	Lower	Upper
42	100		
72	45.4	34.5	51.7
71	42.0	32.2	48.4

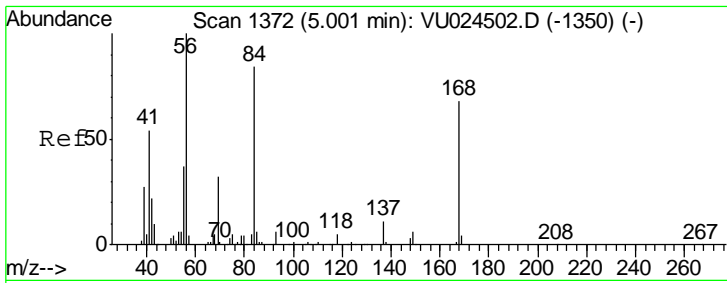
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#30
 Chloroform
 Concen: 45.45 ug/l
 RT: 4.68 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.6	52.4	78.6





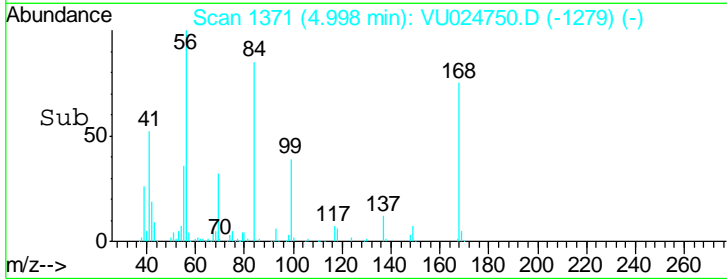
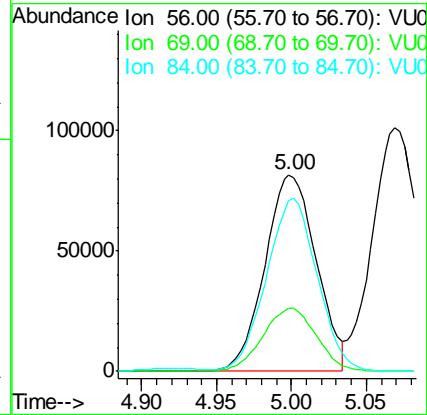
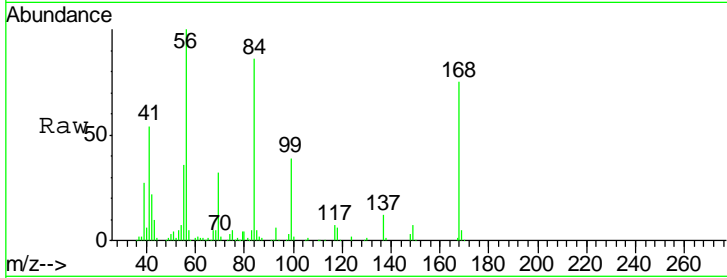
#31
 Cyclohexane
 Concen: 47.43 ug/l
 RT: 5.00 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	32.2	24.8	37.2
84	85.3	65.2	97.8

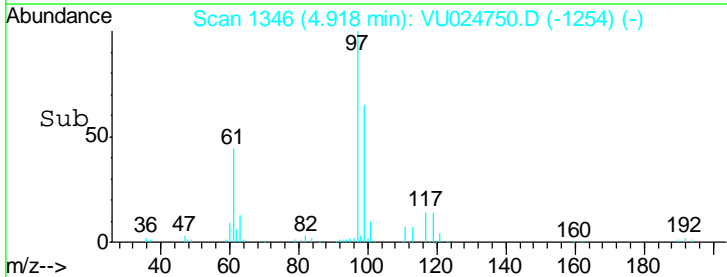
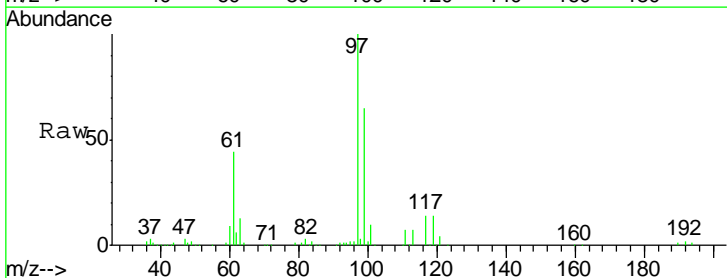
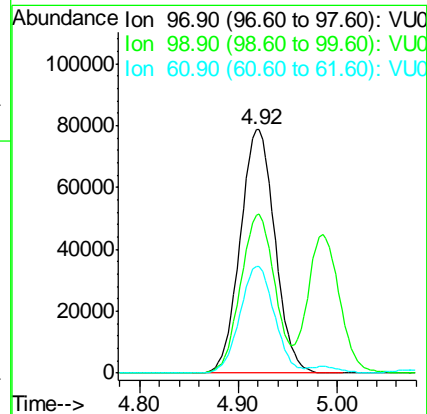
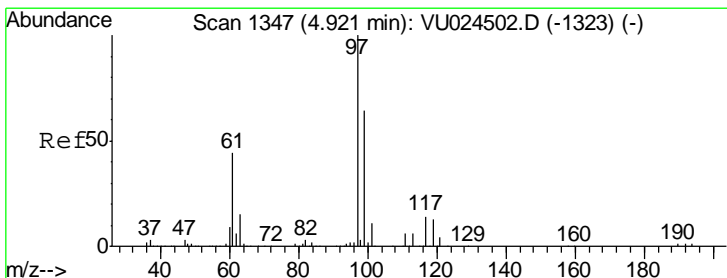
Manual Integrations
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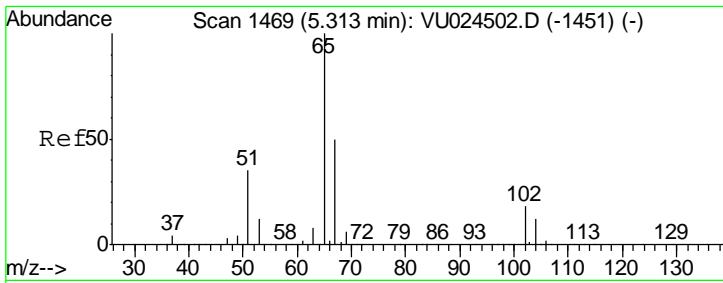
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#32
 1,1,1-Trichloroethane
 Concen: 44.33 ug/l
 RT: 4.92 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	43.7	39.4	59.0



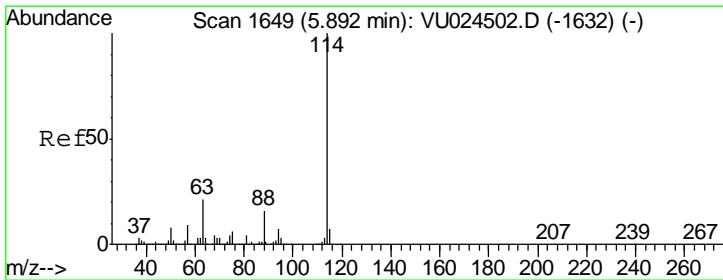
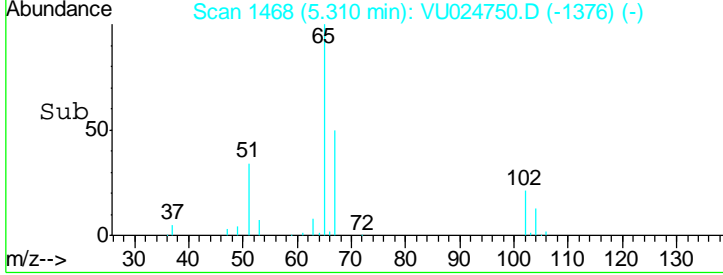
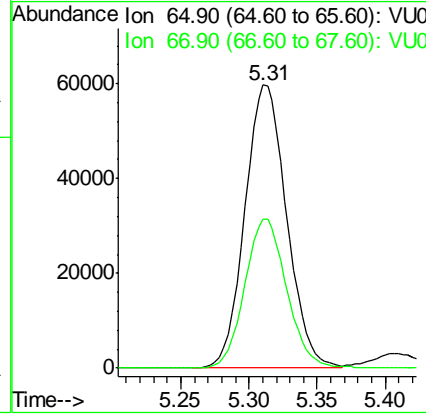
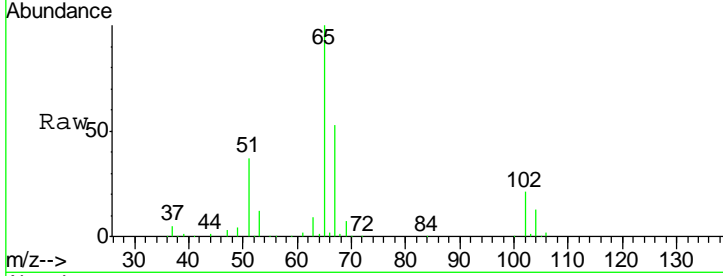


#33
 1,2-Dichloroethane-d4
 Concen: 40.54 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
65	126655		
65	100		
67	52.9	0.0	107.0

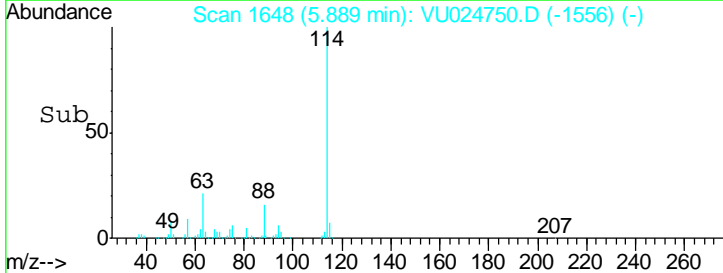
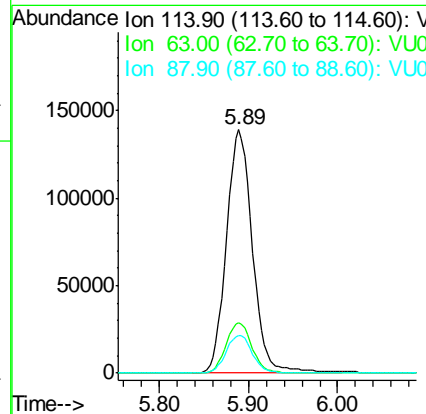
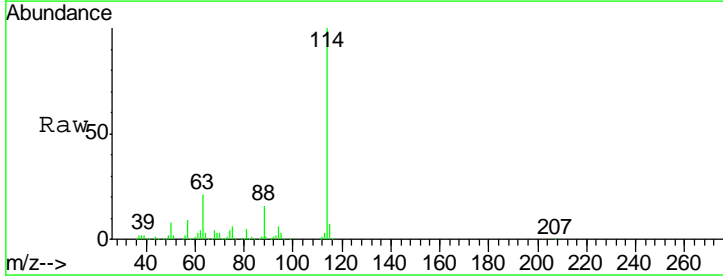
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

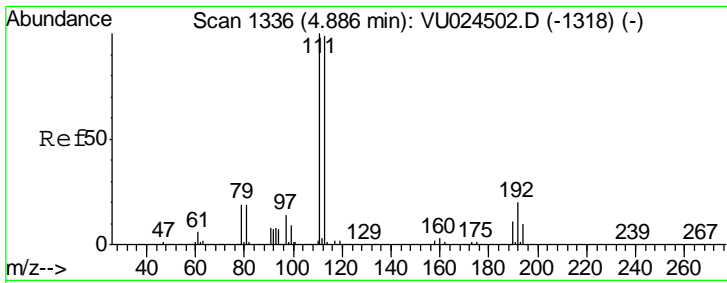
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
114	282219		
114	100		
63	20.8	0.0	45.4
88	15.6	0.0	31.0



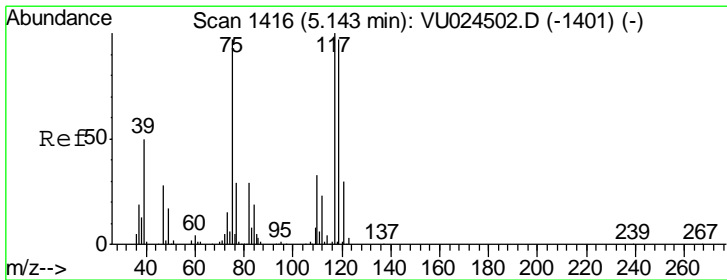
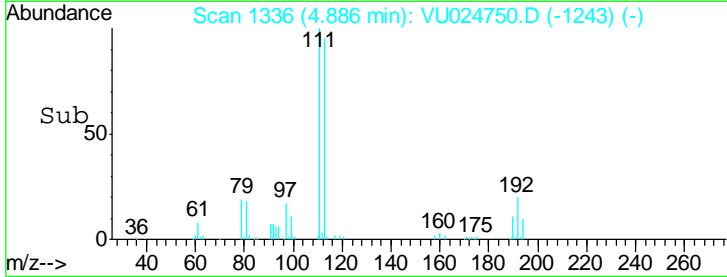
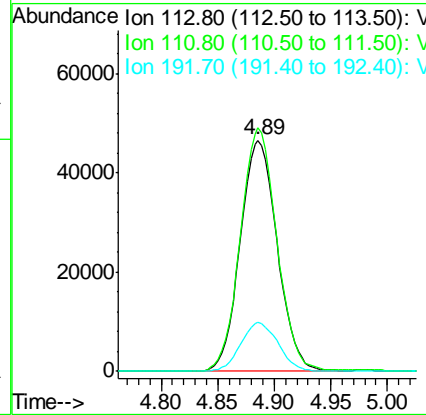
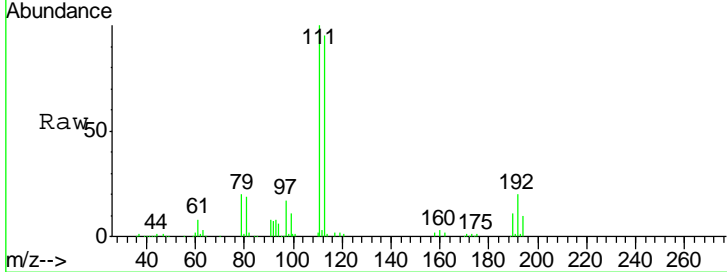


#35
 Dibromofluoromethane
 Concen: 45.35 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

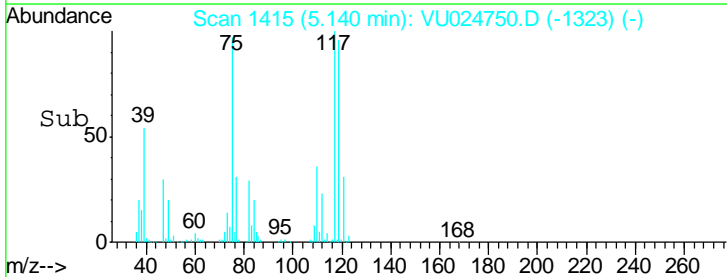
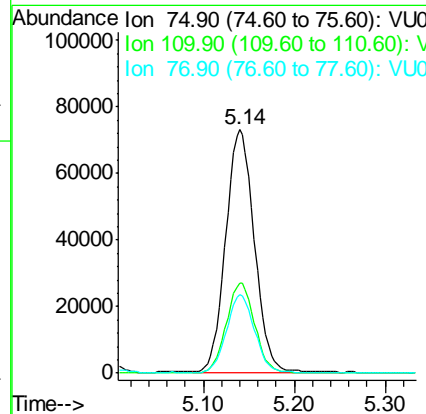
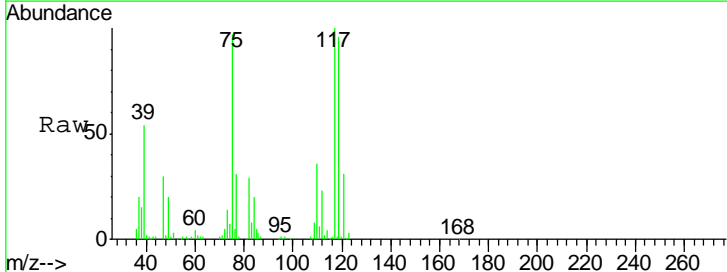
Tgt Ion	Resp	Lower	Upper
113	106213		
113	100		
111	103.5	82.2	123.4
192	21.2	16.2	24.4

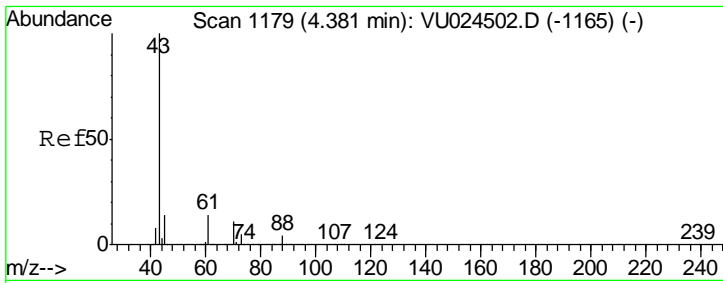
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#36
 1,1-Dichloropropene
 Concen: 47.91 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
75	158872		
75	100		
110	36.8	17.0	50.9
77	31.3	24.2	36.4



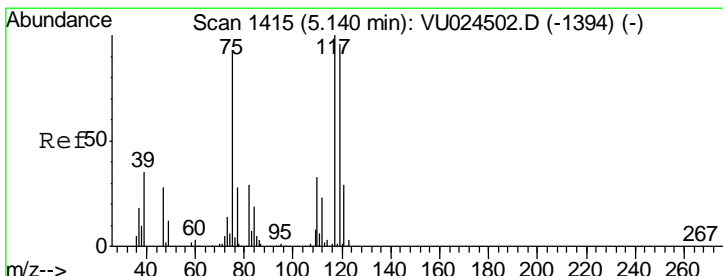
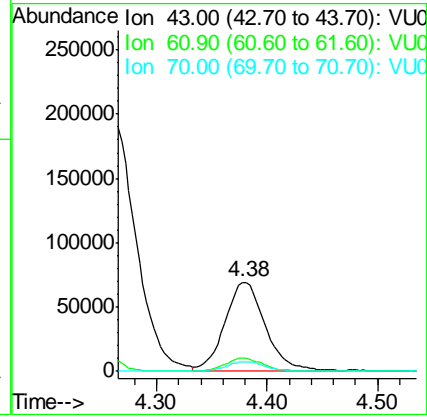
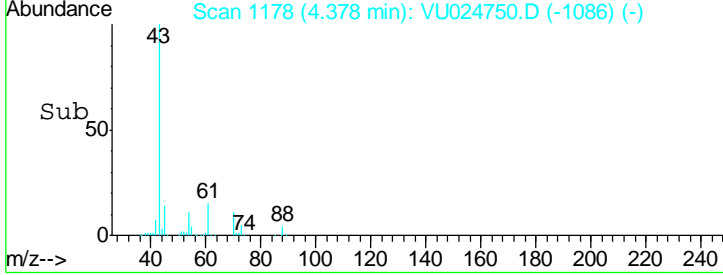
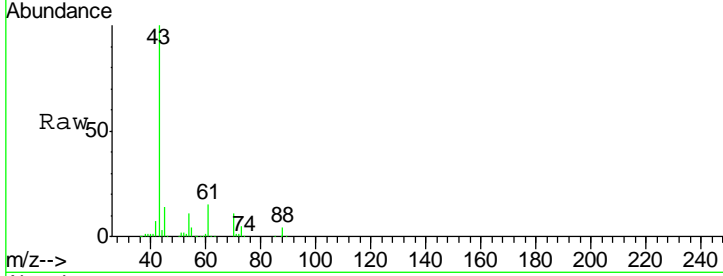


#37
 Ethyl Acetate
 Concen: 47.91 ug/l
 RT: 4.38 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	173161		
61	14.2	10.5	15.7
70	10.6	7.4	11.2

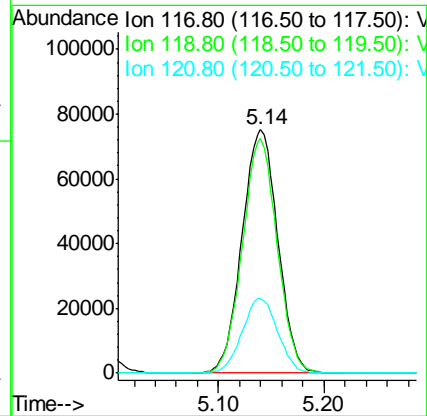
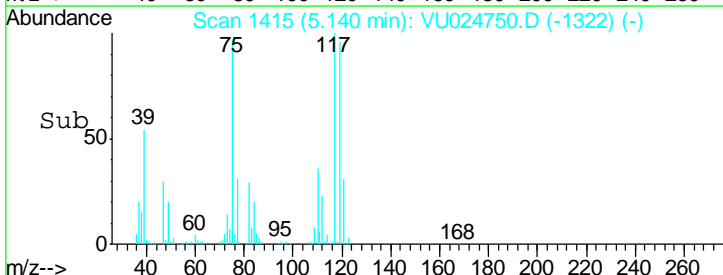
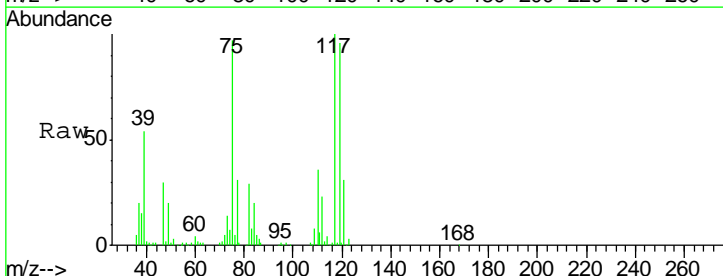
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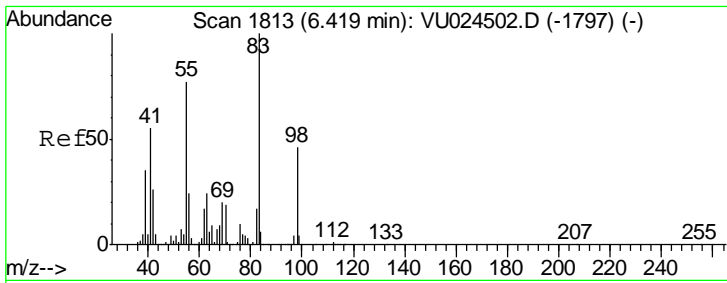


#38
 Carbon Tetrachloride
 Concen: 48.57 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
117	177123		
119	96.5	76.1	114.1
121	30.6	23.7	35.5





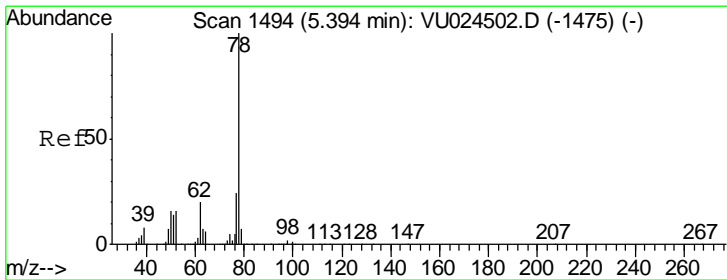
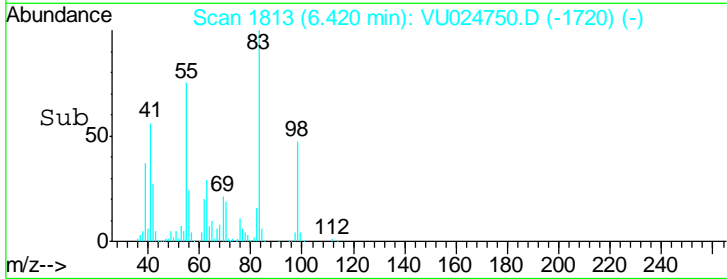
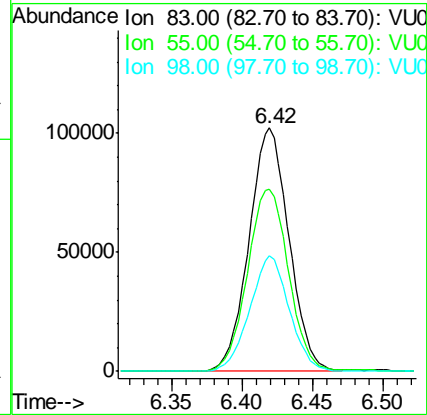
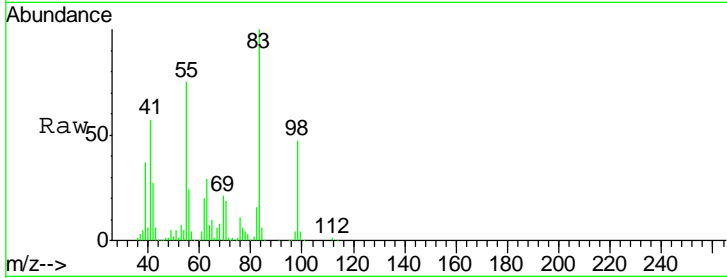
#39
 Methylcyclohexane
 Concen: 49.06 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.5	65.8	98.6
98	47.3	36.7	55.1

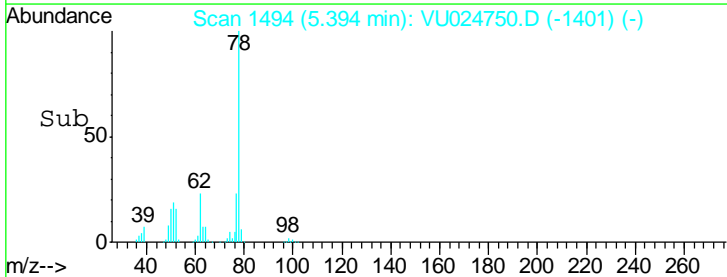
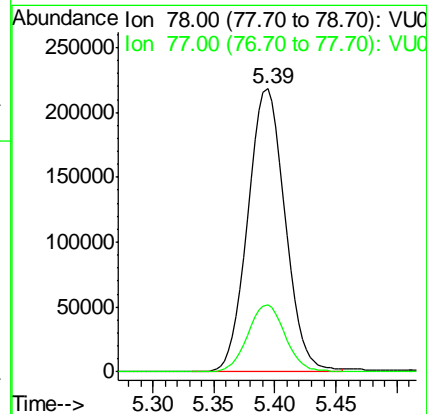
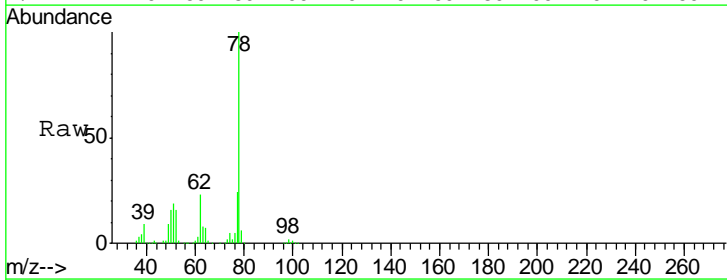
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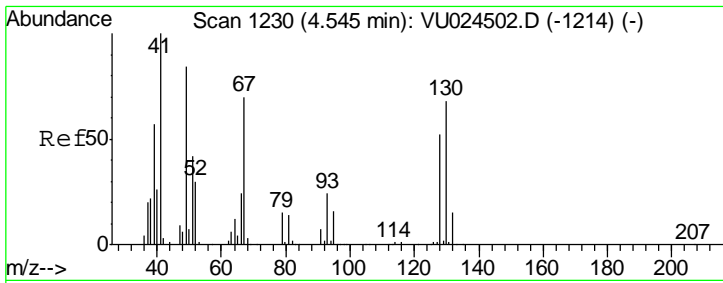
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#40
 Benzene
 Concen: 48.77 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





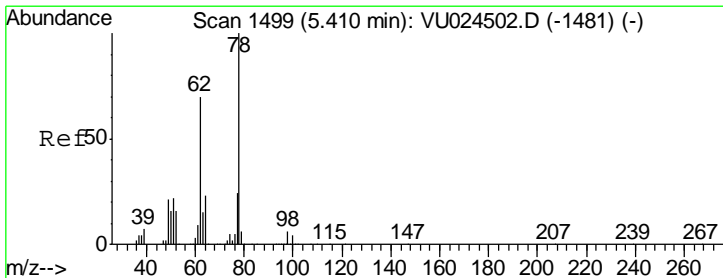
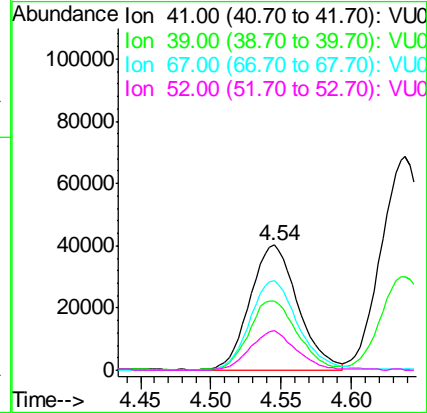
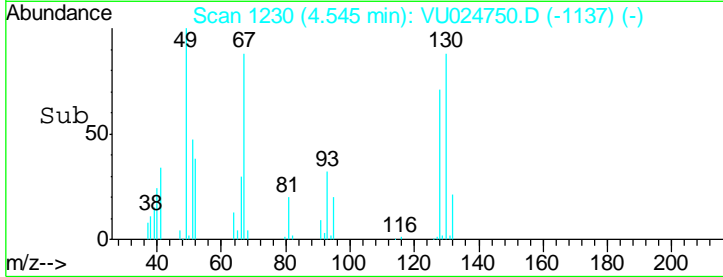
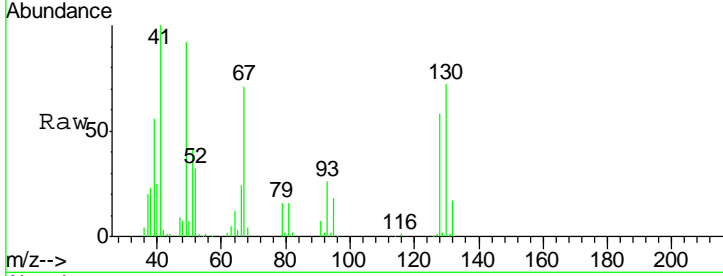
#41
 Methacrylonitrile
 Concen: 48.78 ug/l
 RT: 4.54 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
41	100		
39	55.7	43.8	65.6
67	72.7	56.3	84.5
52	30.8	23.2	34.8

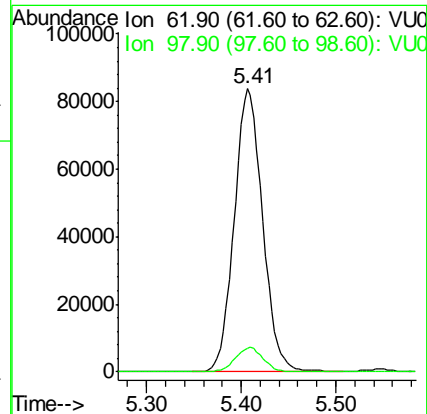
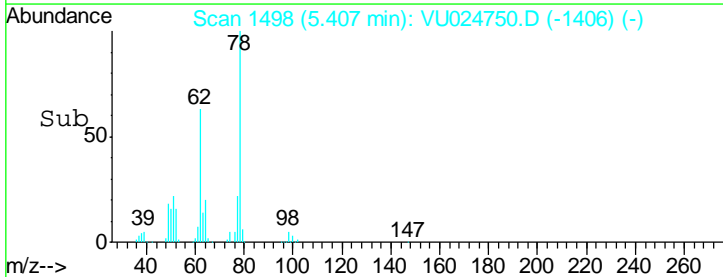
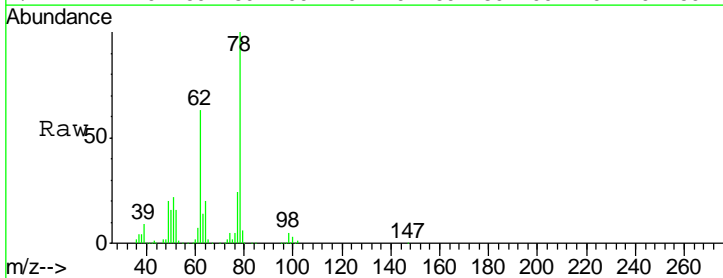
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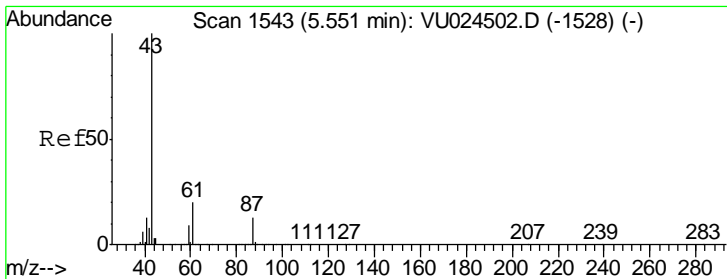
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#42
 1,2-Dichloroethane
 Concen: 48.51 ug/l
 RT: 5.41 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
62	100		
98	8.5	0.0	16.6





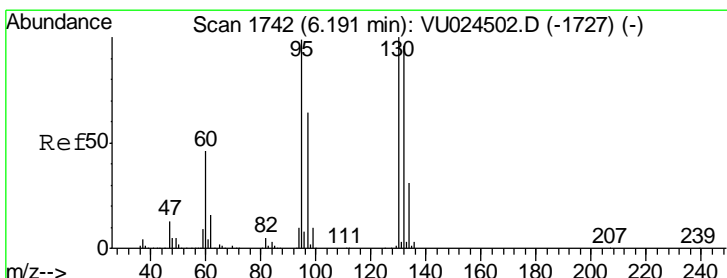
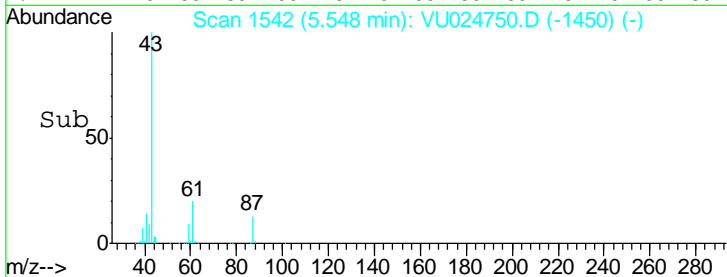
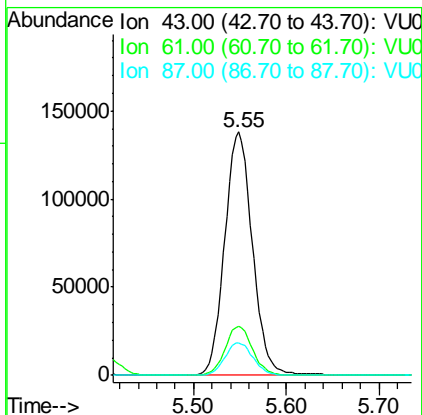
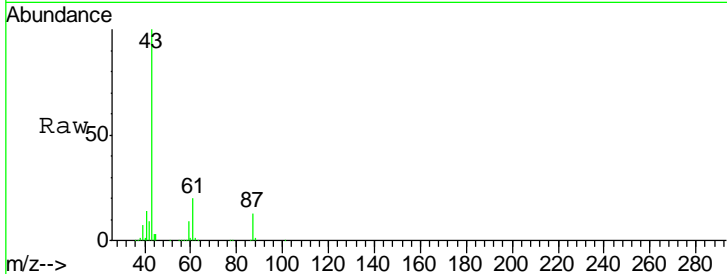
#43
 Isopropyl Acetate
 Concen: 45.50 ug/l
 RT: 5.55 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.1	15.4	23.0
87	13.7	10.0	15.0

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

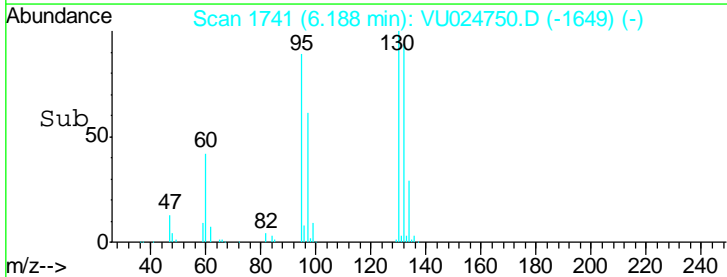
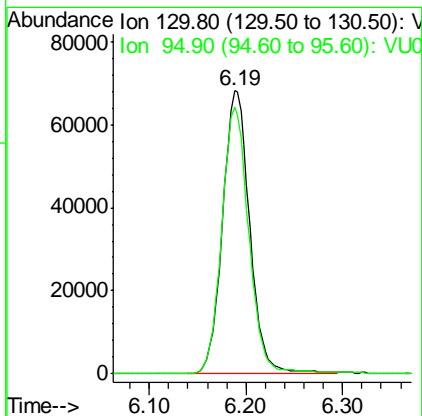
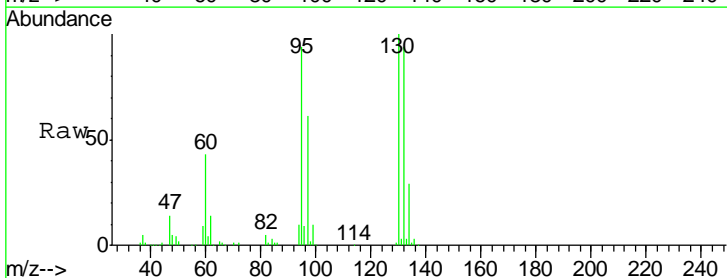
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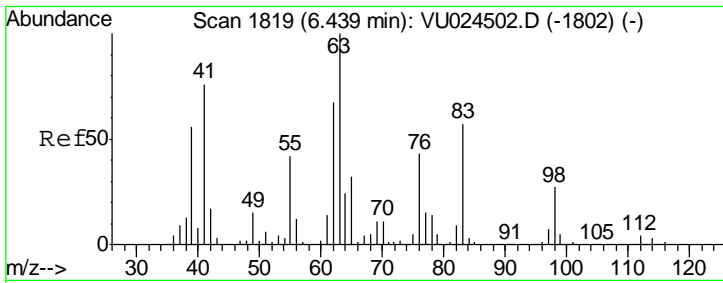
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#44
 Trichloroethene
 Concen: 49.47 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
130	100		
95	94.3	0.0	202.4



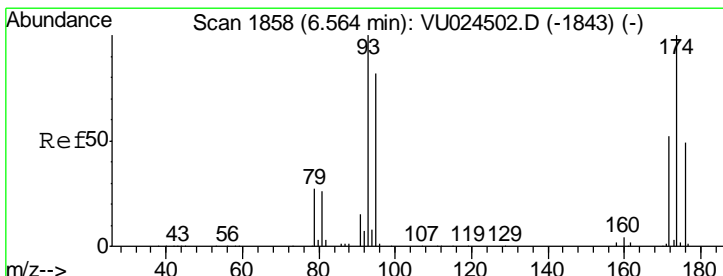
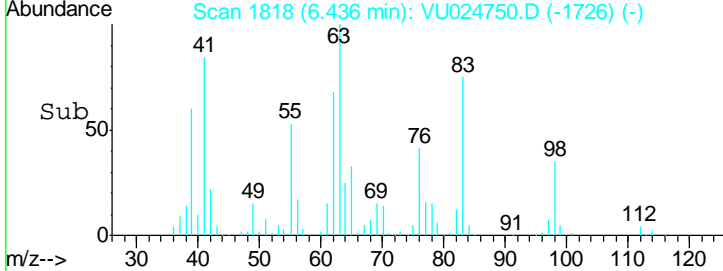
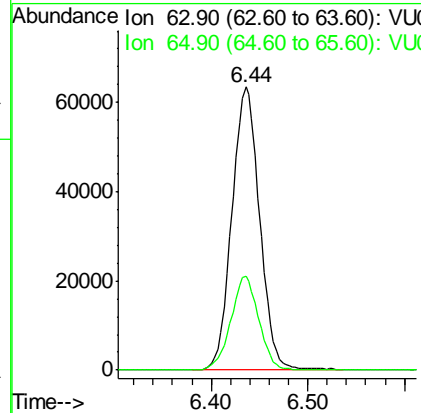
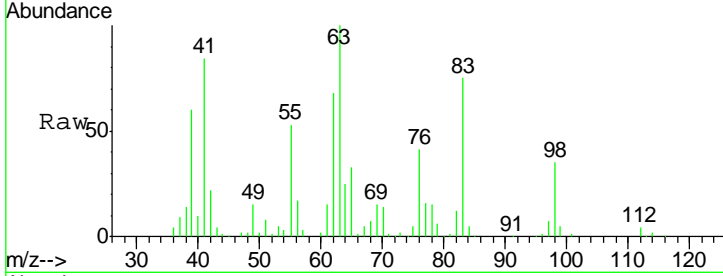


#45
 1,2-Dichloropropane
 Concen: 50.23 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

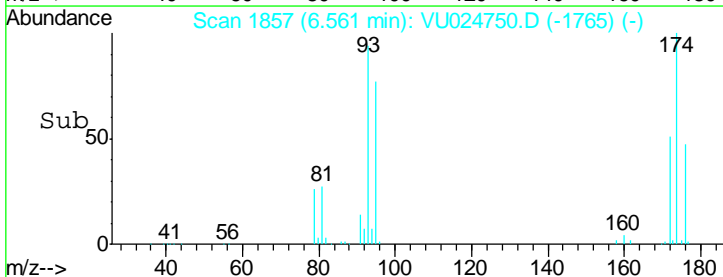
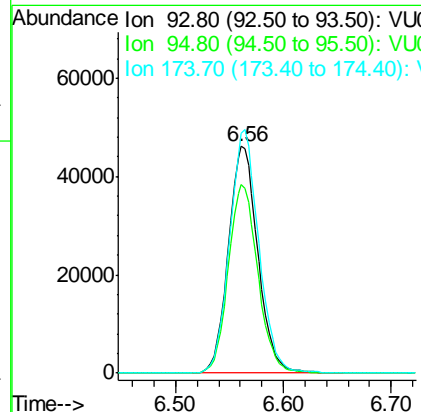
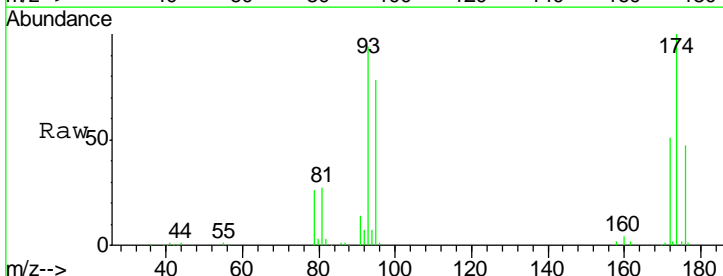
Tgt Ion	Resp	Lower	Upper
63	126650		
63	100		
65	33.4	24.8	37.2

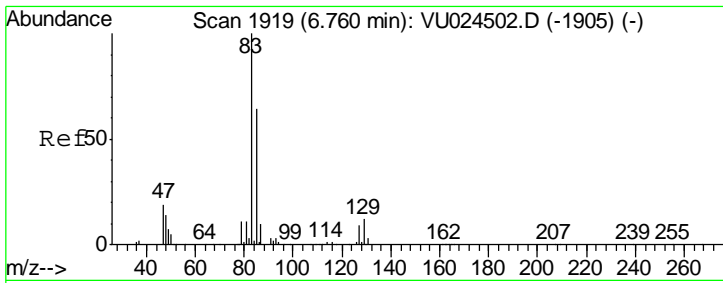
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#46
 Dibromomethane
 Concen: 49.64 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

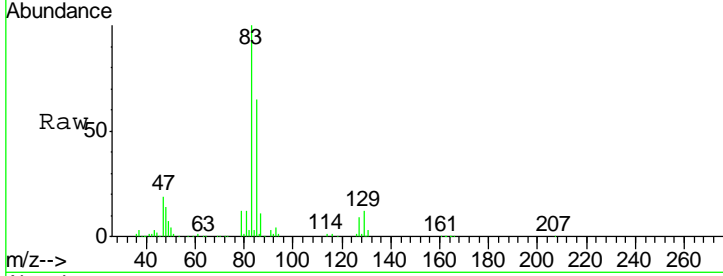
Tgt Ion	Resp	Lower	Upper
93	87916		
93	100		
95	83.1	65.5	98.3
174	106.0	78.7	118.1





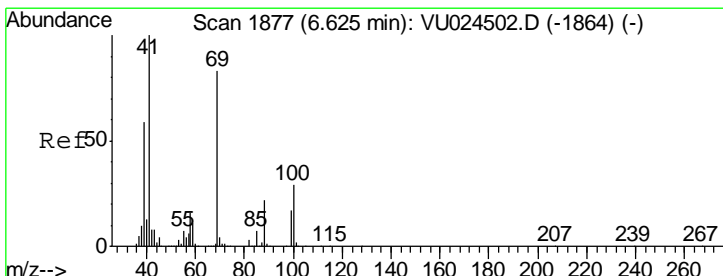
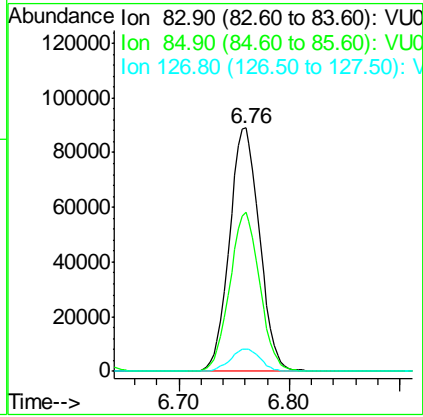
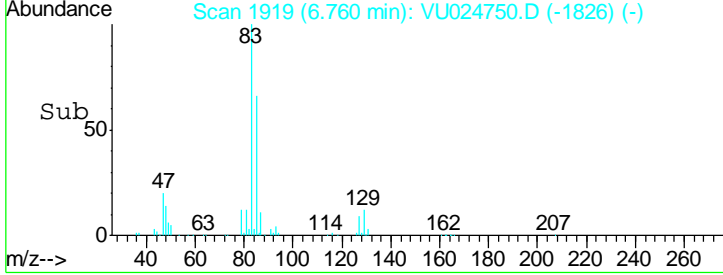
#47
 Bromodichloromethane
 Concen: 47.72 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampleId : VSTDCCC050

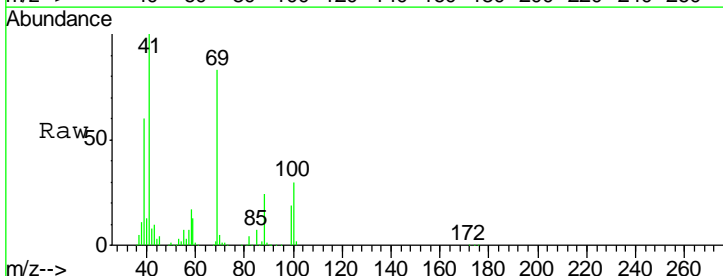


Tgt Ion	Resp	Lower	Upper
83	100		
85	65.3	51.9	77.9
127	9.3	6.6	9.8

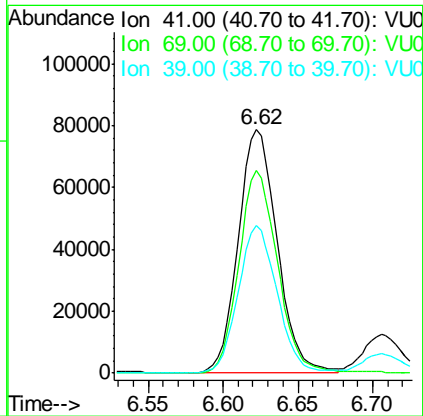
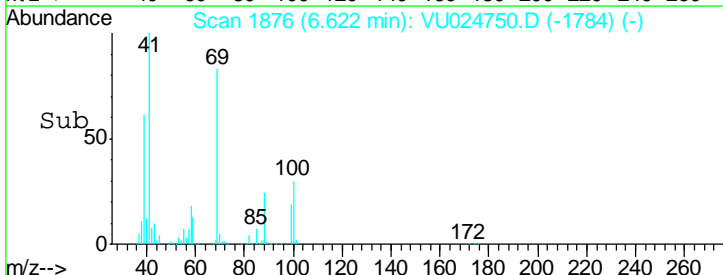
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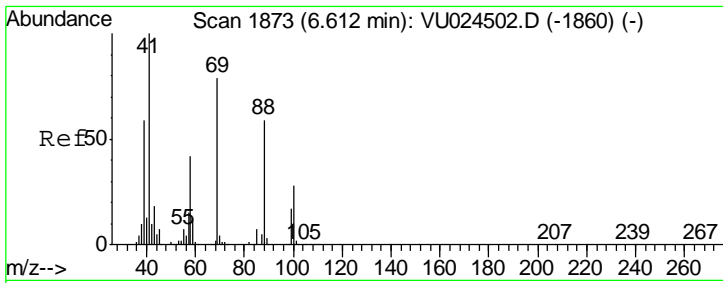


#48
 Methyl methacrylate
 Concen: 46.56 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58



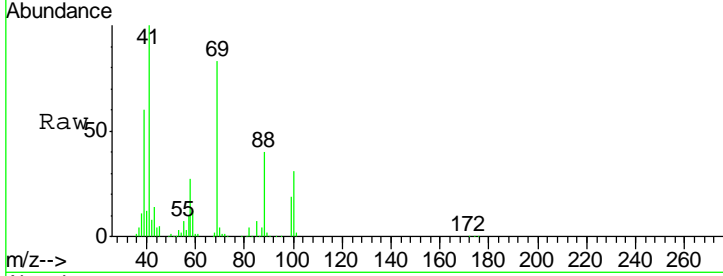
Tgt Ion	Resp	Lower	Upper
41	100		
69	83.2	67.3	100.9
39	60.5	46.5	69.7





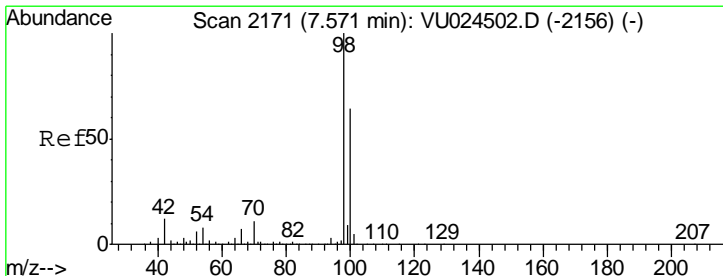
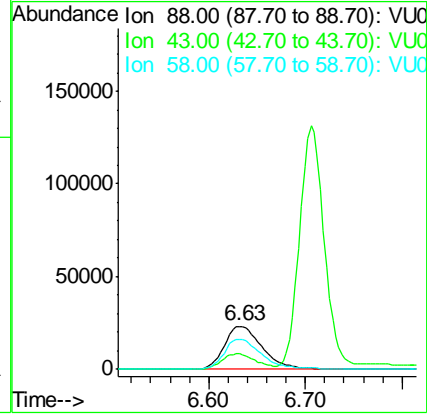
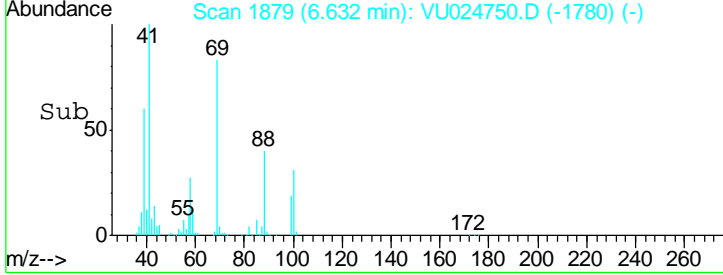
#49
 1,4-Dioxane
 Concen: 1070.41 ug/l
 RT: 6.63 min Scan# 1879
 Delta R.T. 0.02 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050



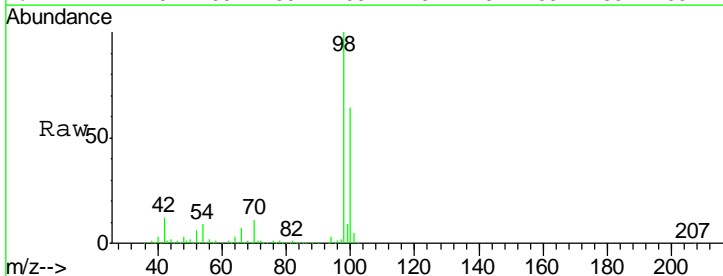
Tgt Ion	Resp	Lower	Upper
88	63686		
88	100		
43	33.1	28.6	42.8
58	69.6	58.2	87.4

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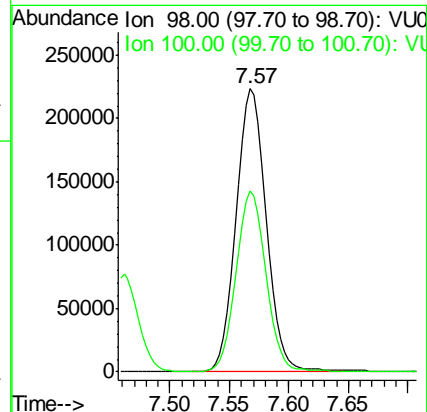
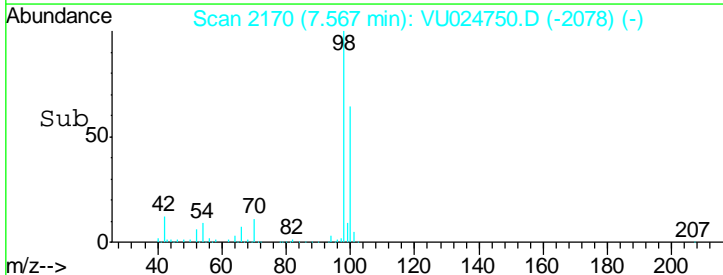


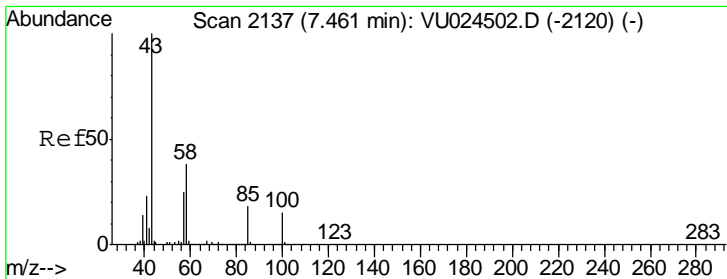
#50
 Toluene-d8
 Concen: 46.03 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

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 16



Tgt Ion	Resp	Lower	Upper
98	393264		
98	100		
100	63.5	51.1	76.7





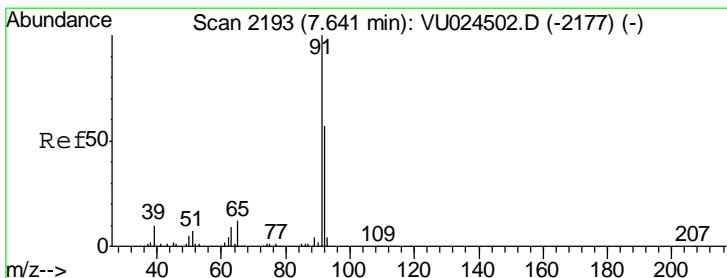
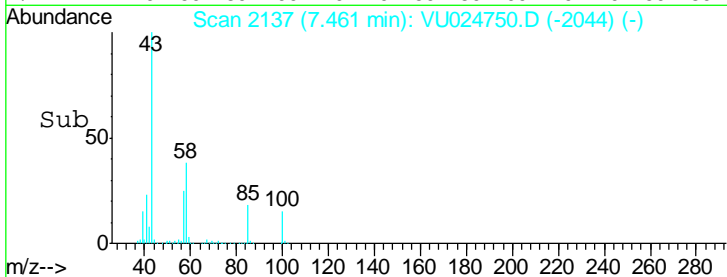
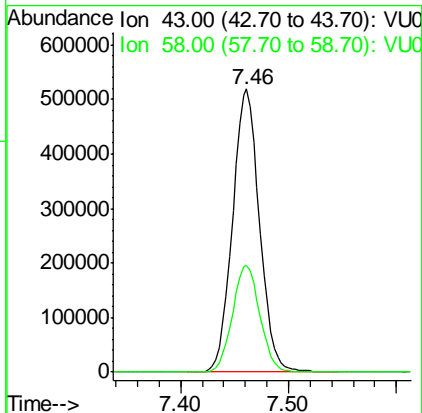
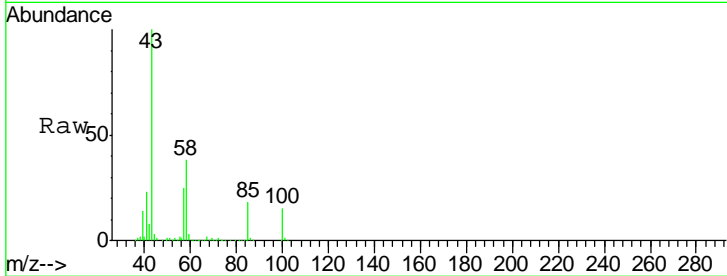
#51
 4-Methyl-2-Pentanone
 Concen: 229.98 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	38.4	30.0	45.0

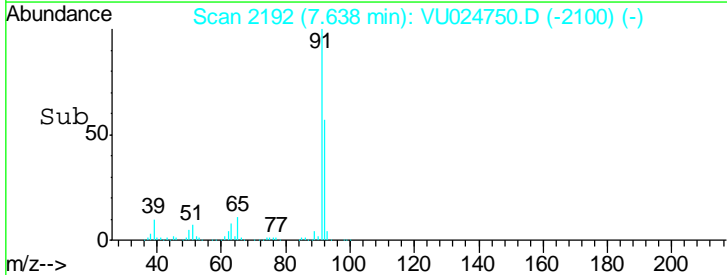
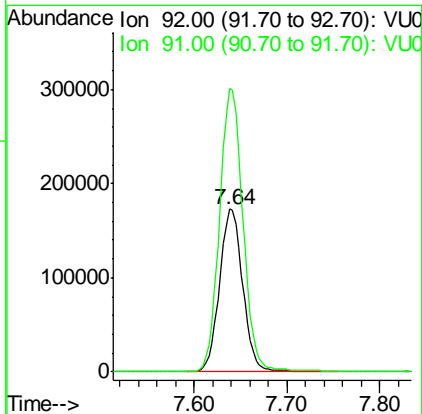
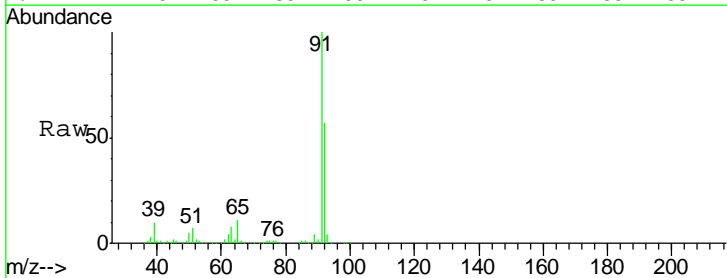
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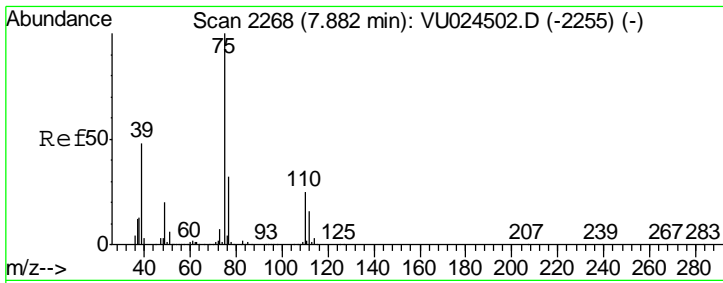
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#52
 Toluene
 Concen: 49.75 ug/l
 RT: 7.64 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
92	100		
91	175.5	140.5	210.7



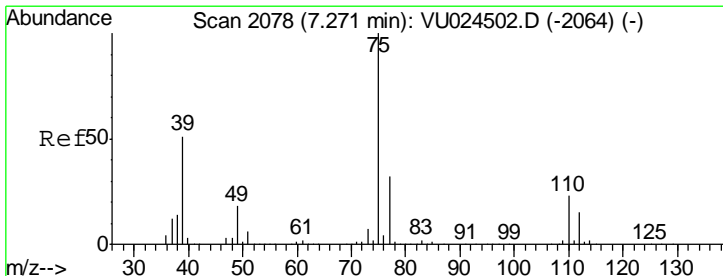
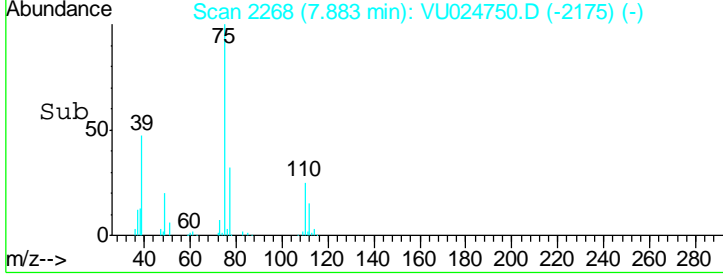
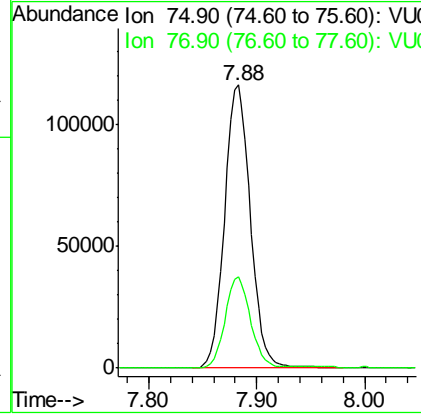
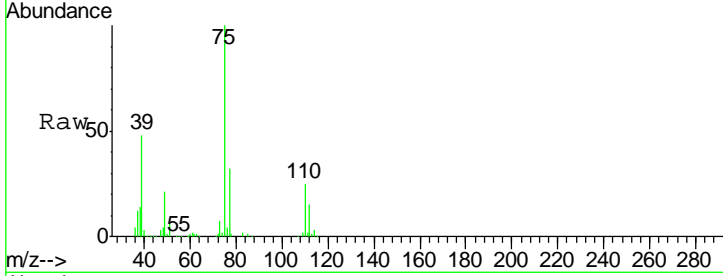


#53
 t-1,3-Dichloropropene
 Concen: 48.82 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
75	193361		
75	100		
77	32.2	24.8	37.2

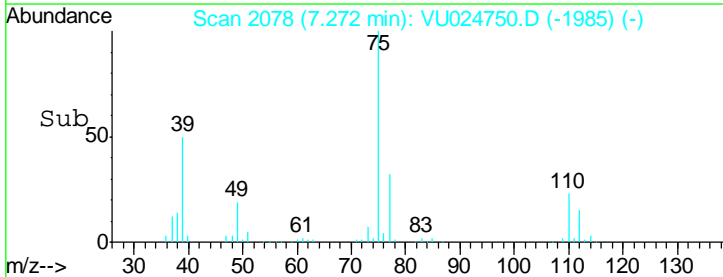
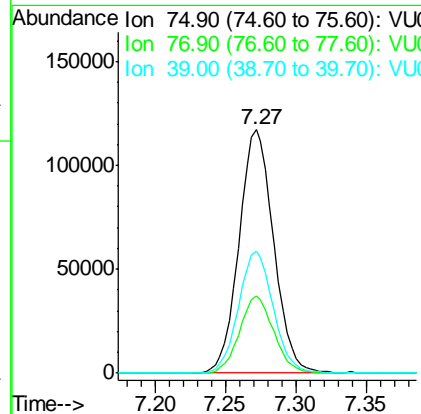
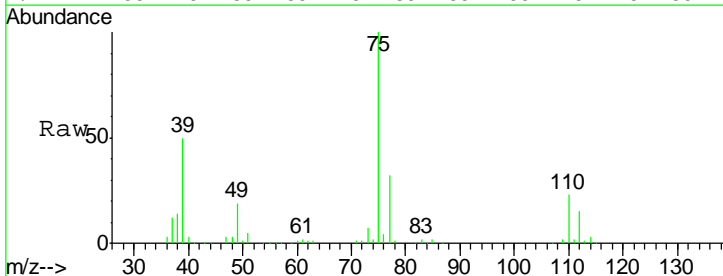
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

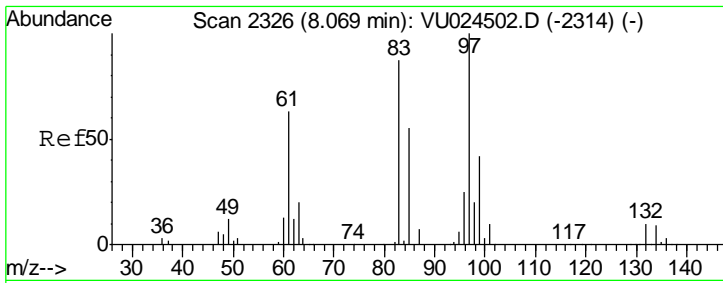
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#54
 cis-1,3-Dichloropropene
 Concen: 47.73 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
75	201443		
75	100		
77	31.6	24.6	36.8
39	50.2	39.8	59.6



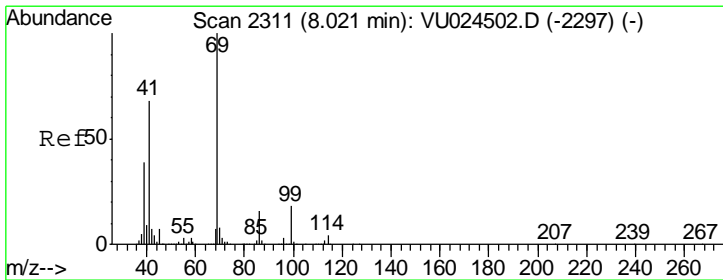
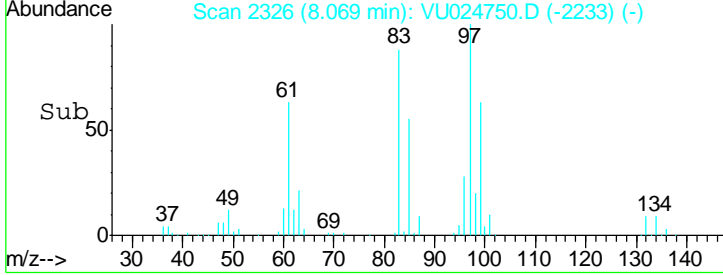
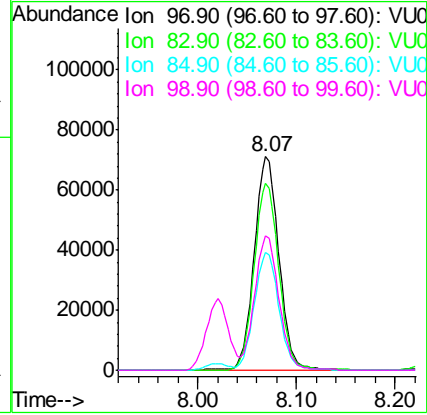
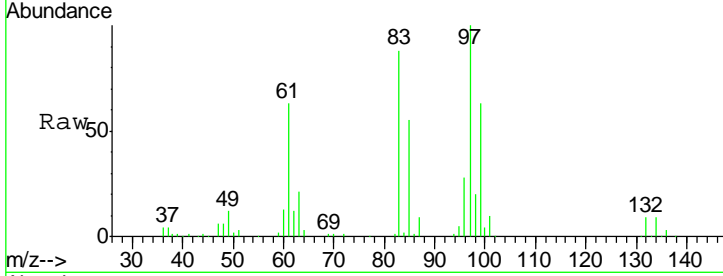


#55
 1,1,2-Trichloroethane
 Concen: 49.74 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
97	122931		
97	100		
83	87.6	70.5	105.7
85	54.9	46.4	69.6
99	62.4	50.2	75.2

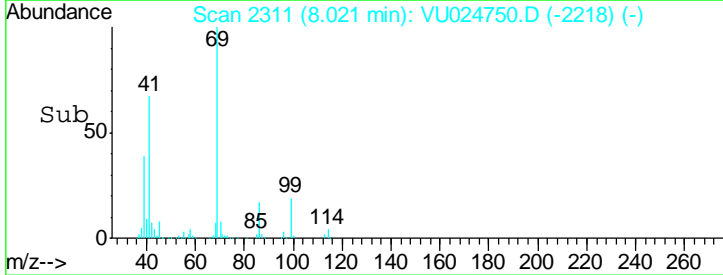
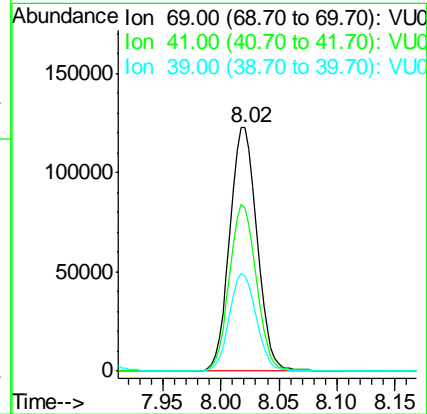
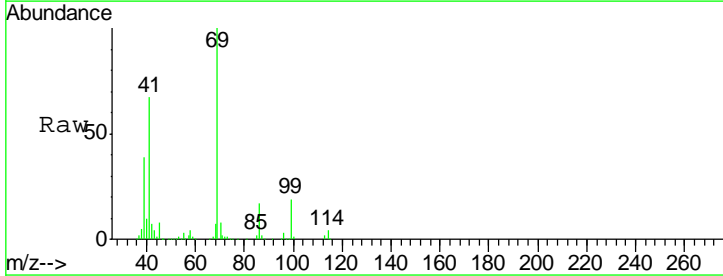
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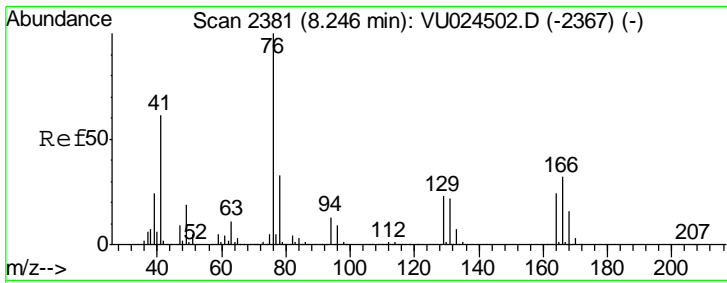


#56
 Ethyl methacrylate
 Concen: 48.19 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
69	199335		
69	100		
41	67.3	54.1	81.1
39	39.0	30.3	45.5



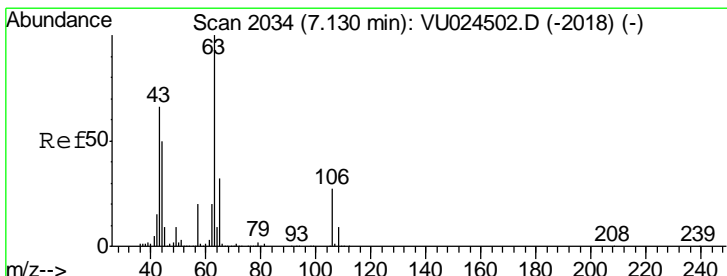
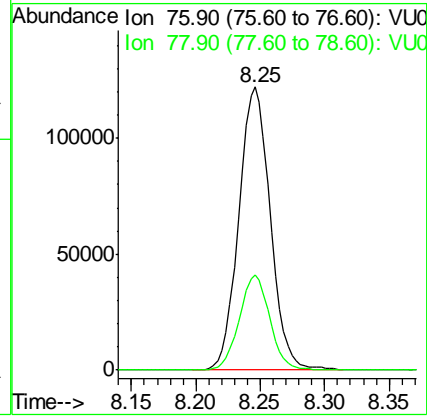
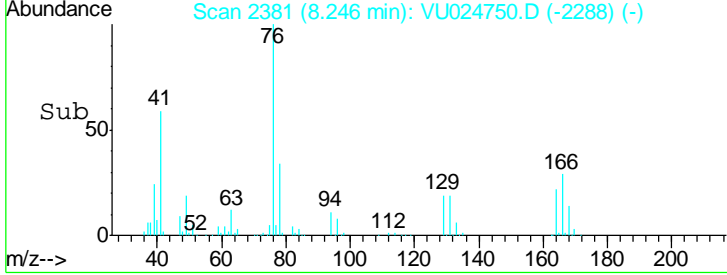
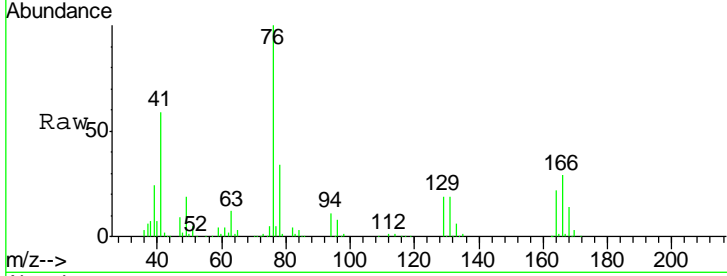


#57
 1,3-Dichloropropane
 Concen: 49.73 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
76	100		
78	32.6	25.2	37.8

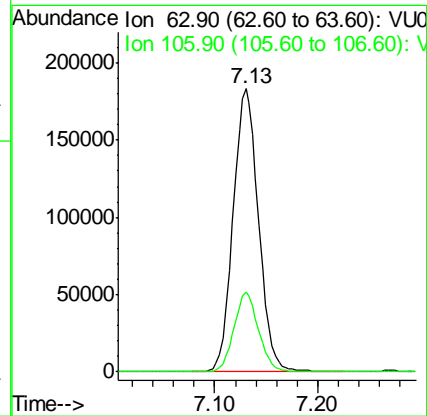
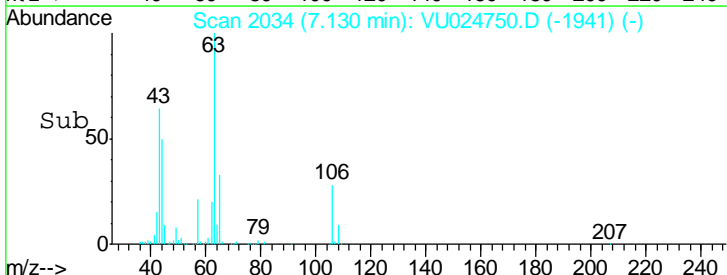
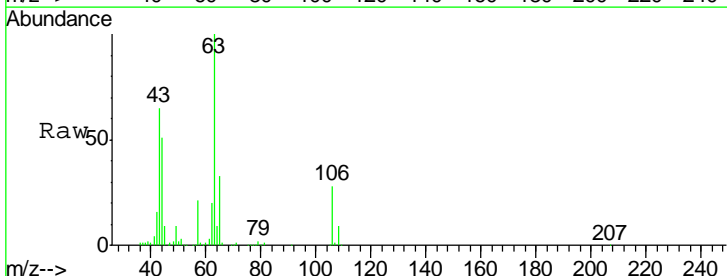
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

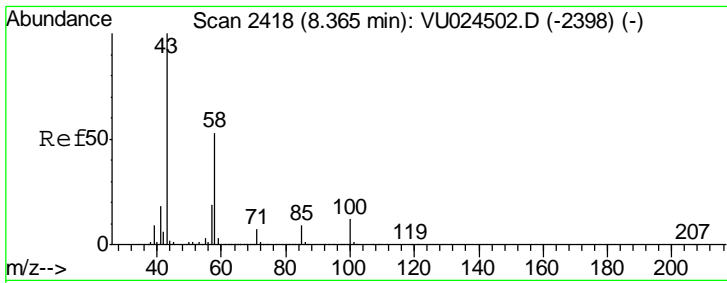
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#58
 2-Chloroethyl Vinyl ether
 Concen: 198.39 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
63	100		
106	27.3	20.2	30.2





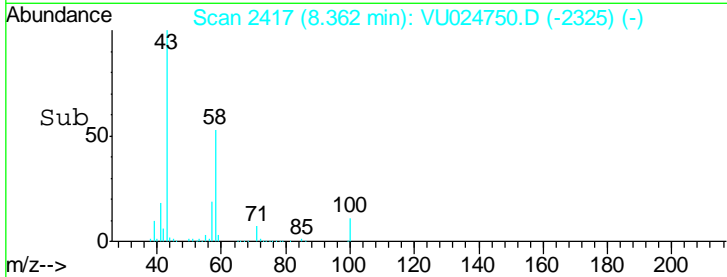
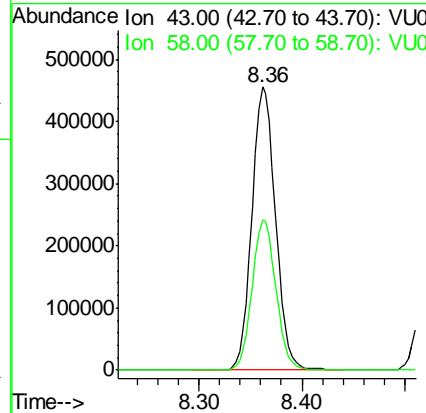
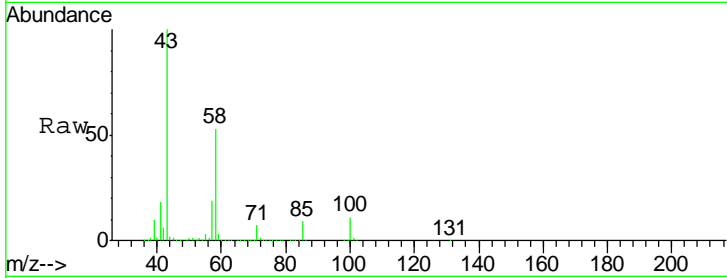
#59
 2-Hexanone
 Concen: 225.34 ug/l
 RT: 8.36 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	53.6	26.4	79.0

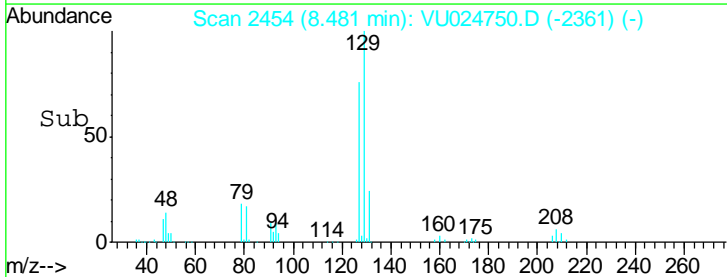
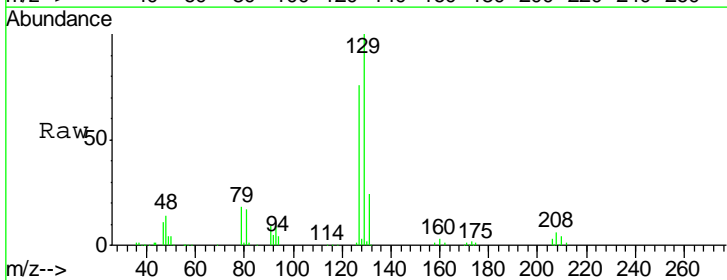
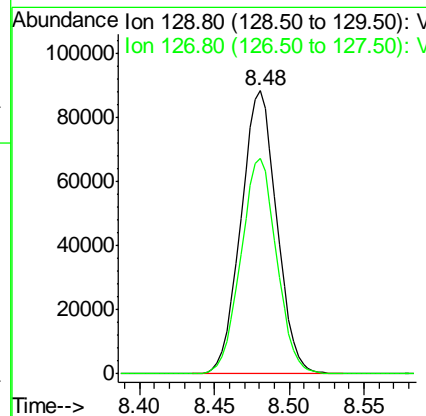
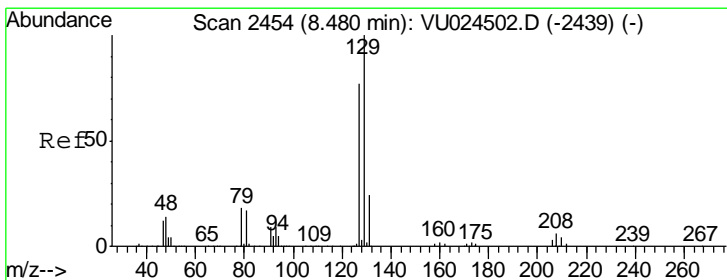
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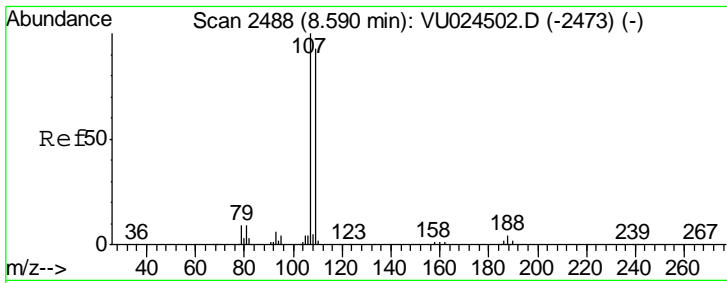
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#60
 Dibromochloromethane
 Concen: 47.71 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.0	38.6	116.0



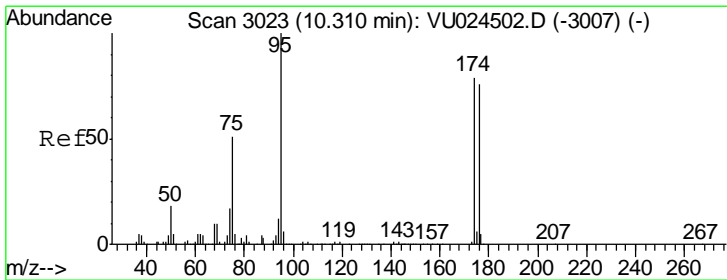
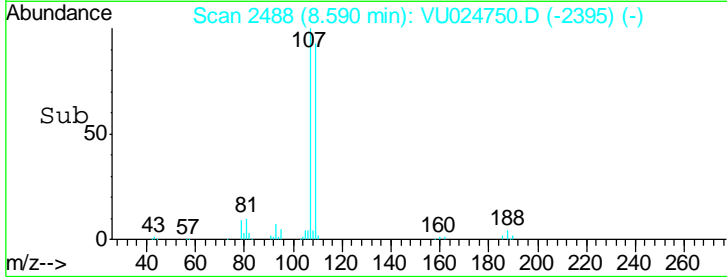
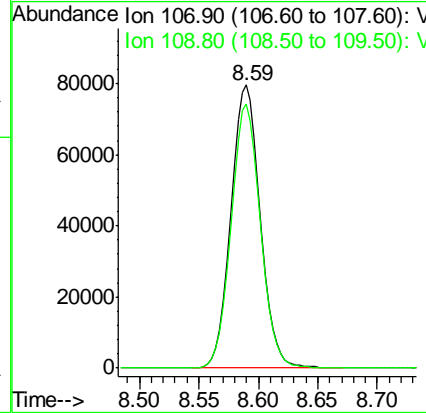
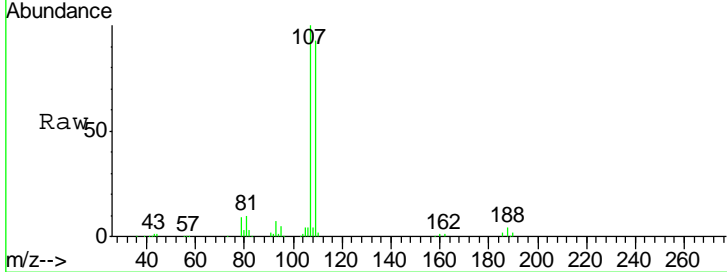


#61
 1,2-Dibromoethane
 Concen: 49.23 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
107	135401		
109	93.5	74.5	111.7

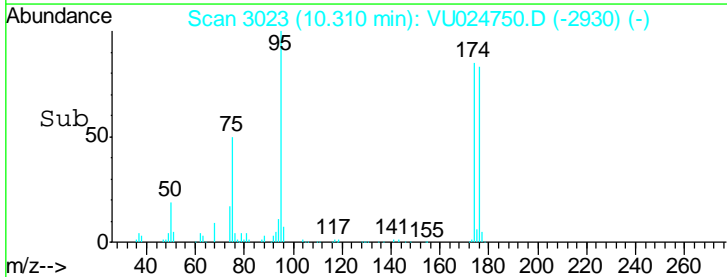
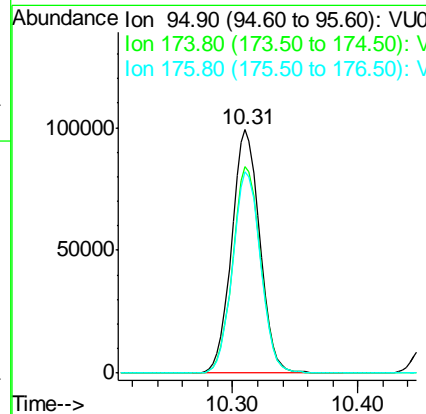
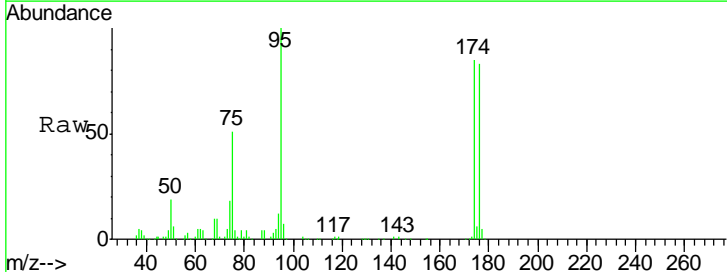
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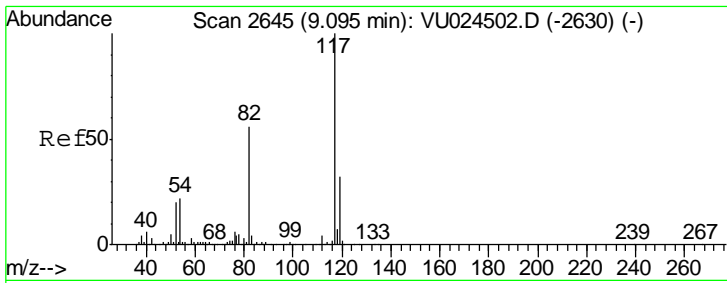


#62
 4-Bromofluorobenzene
 Concen: 45.42 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

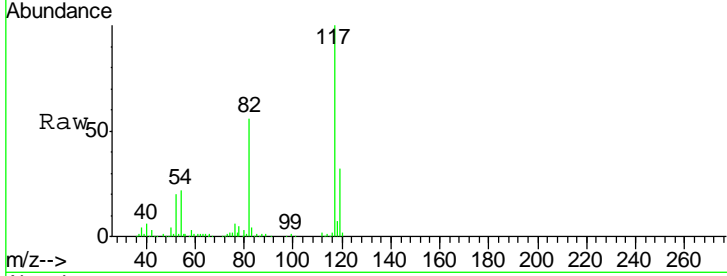
Tgt Ion	Resp	Lower	Upper
95	154054		
174	84.3	0.0	165.8
176	82.4	0.0	159.4





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

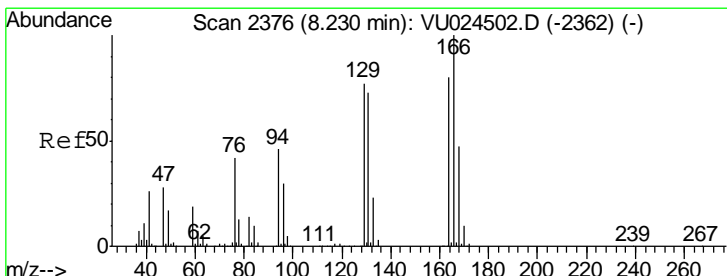
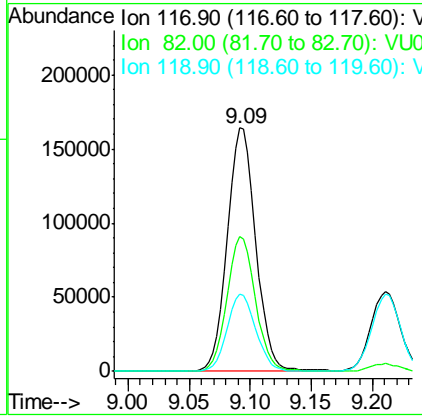
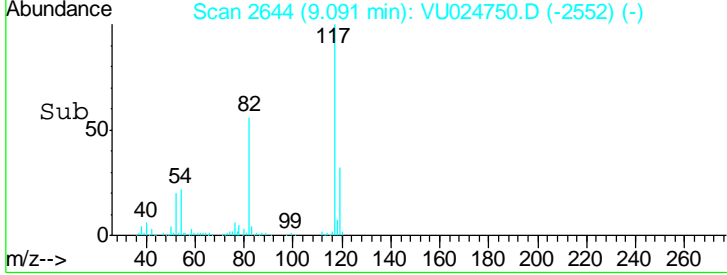
Instrument : MSVOA_U
 ClientSampled : VSTDCCC050



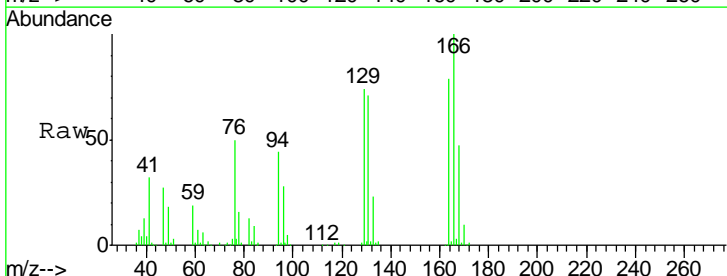
Tgt Ion: 117 Resp: 269160

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	31.8	25.4	38.2

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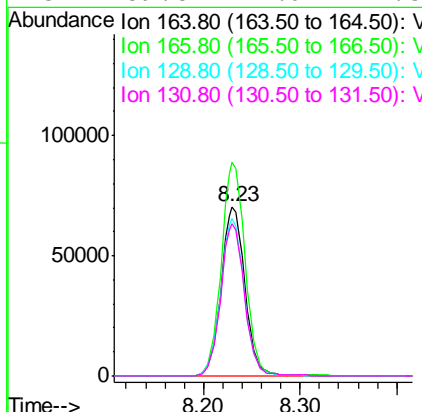
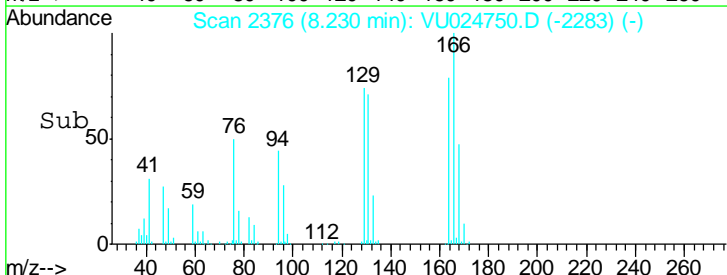


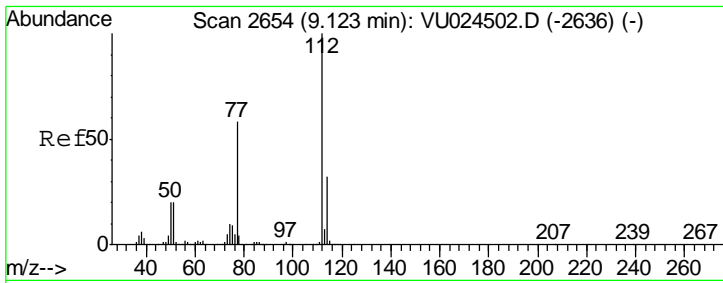
#64
 Tetrachloroethene
 Concen: 46.88 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58



Tgt Ion: 164 Resp: 119942

Ion	Ratio	Lower	Upper
164	100		
166	126.1	101.7	152.5
129	93.1	76.9	115.3
131	89.8	74.9	112.3





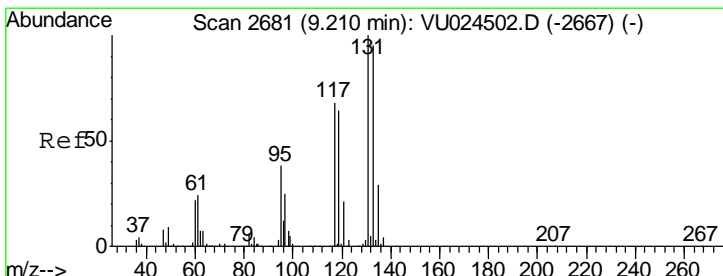
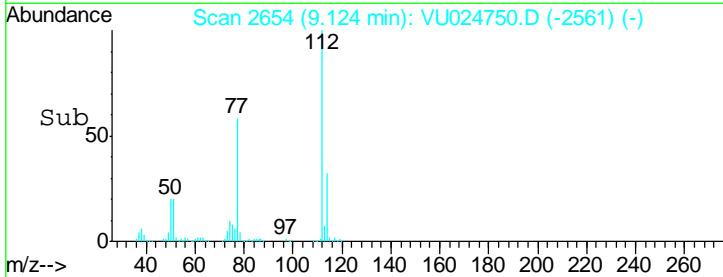
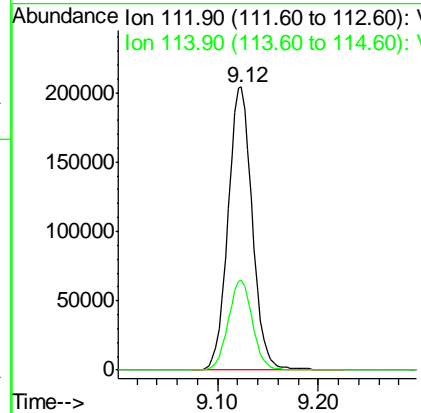
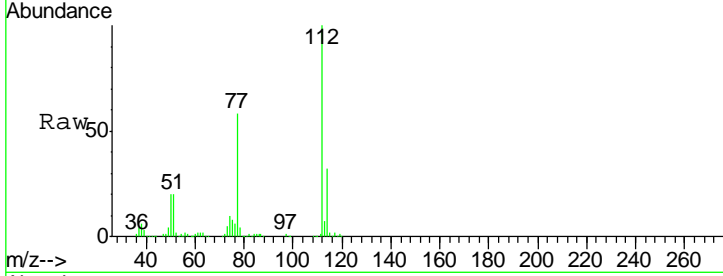
#65
 Chlorobenzene
 Concen: 49.91 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.6	38.4

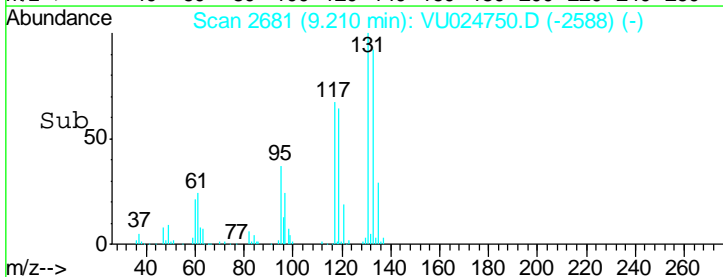
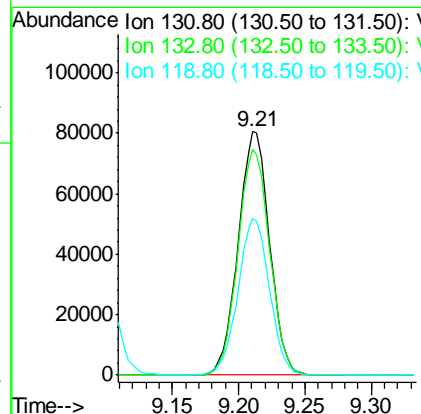
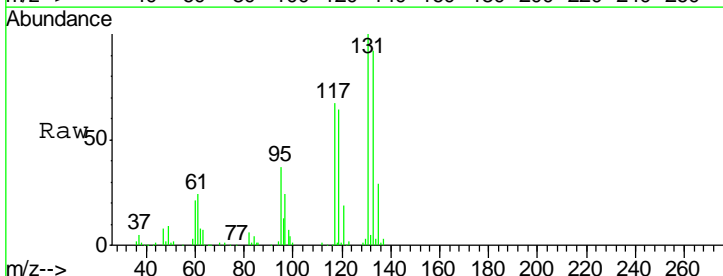
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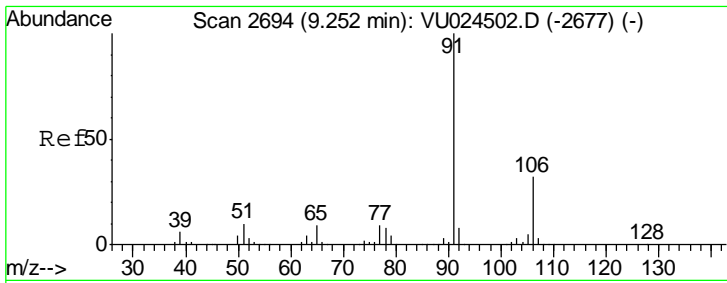
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.58 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	46.9	140.8
119	64.6	33.5	100.4





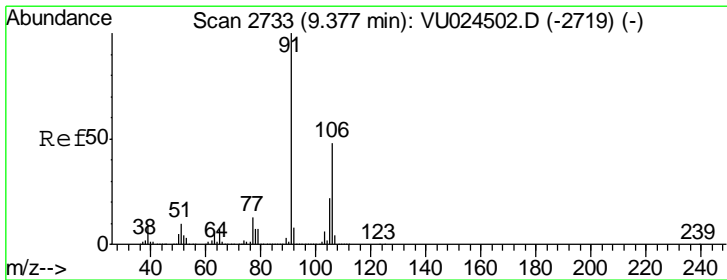
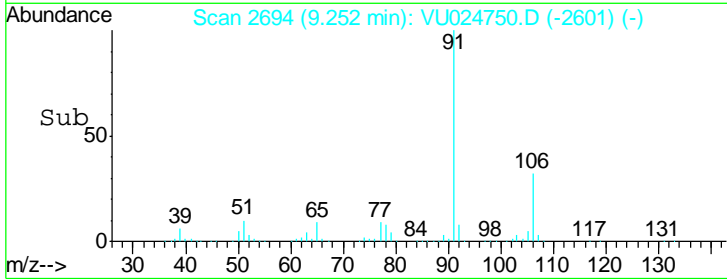
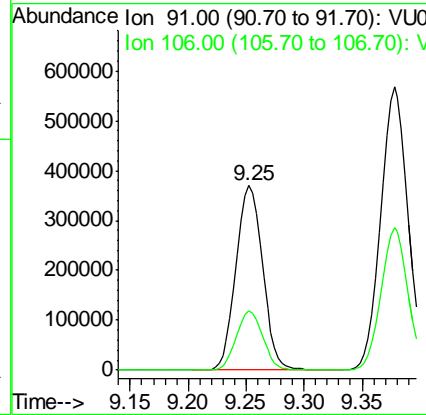
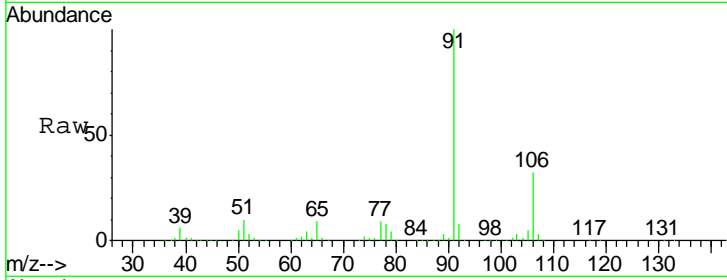
#67
Ethyl Benzene
Concen: 48.95 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024750.D
Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
91	100		
106	32.2	24.2	36.4

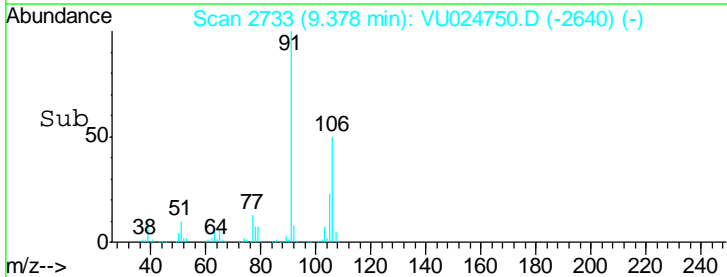
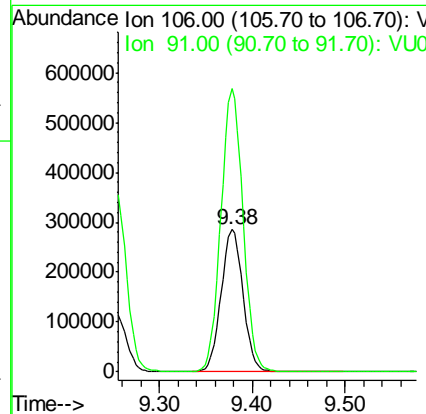
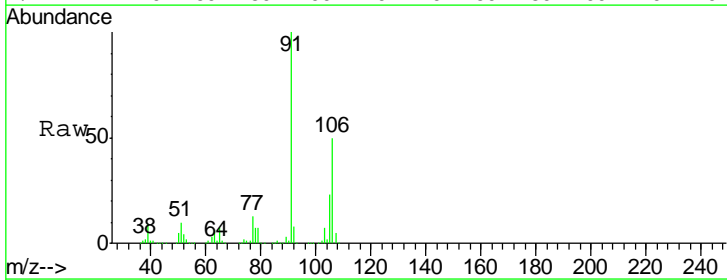
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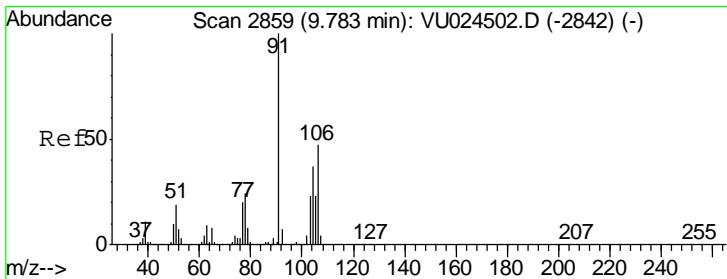
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#68
m/p-Xylenes
Concen: 101.20 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024750.D
Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
106	100		
91	200.5	166.5	249.7





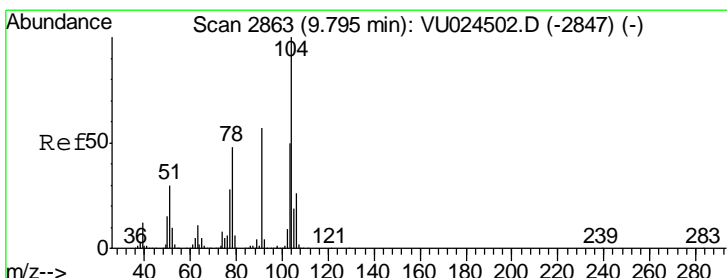
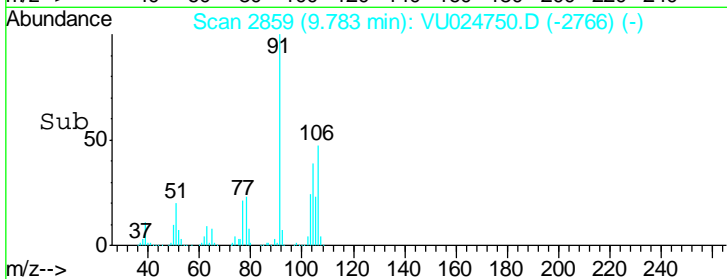
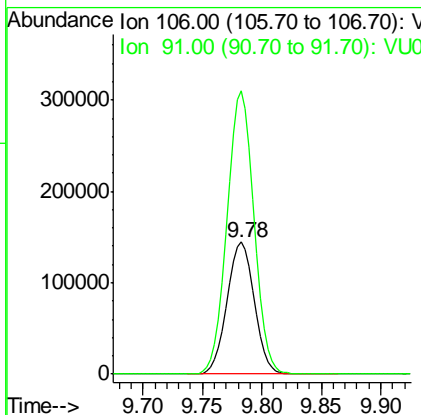
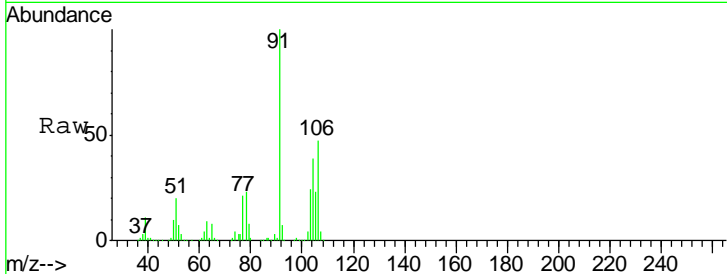
#69
 o-Xylene
 Concen: 50.11 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
106	229550		
106	100		
91	211.9	110.7	331.9

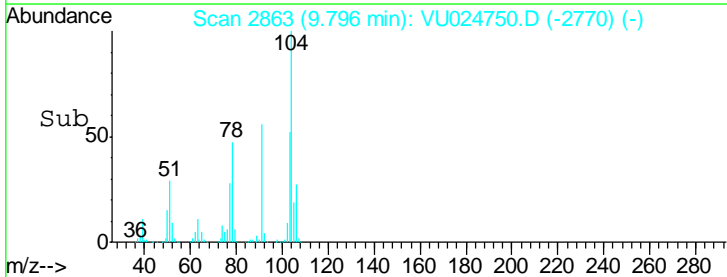
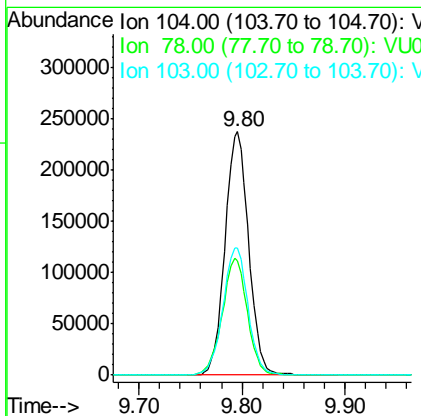
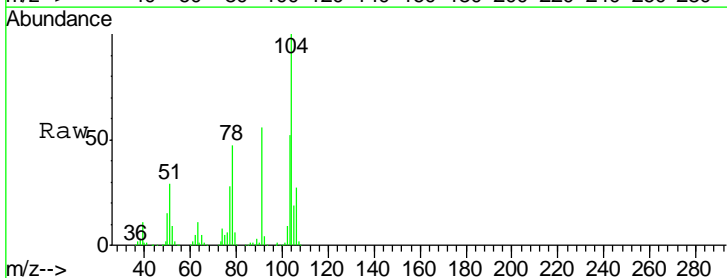
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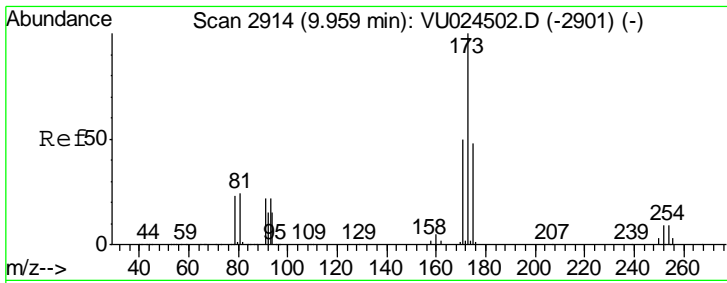
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#70
 Styrene
 Concen: 50.28 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

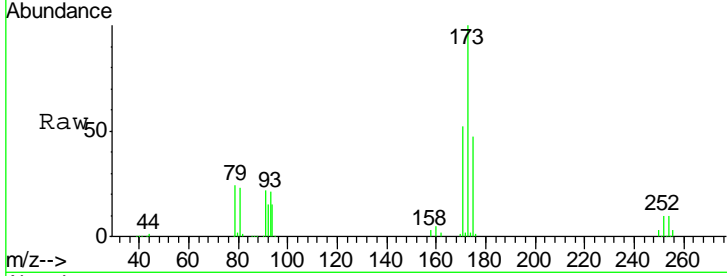
Tgt Ion	Resp	Lower	Upper
104	378527		
104	100		
78	50.9	40.6	60.8
103	55.5	44.7	67.1





#71
 Bromoform
 Concen: 47.13 ug/l
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

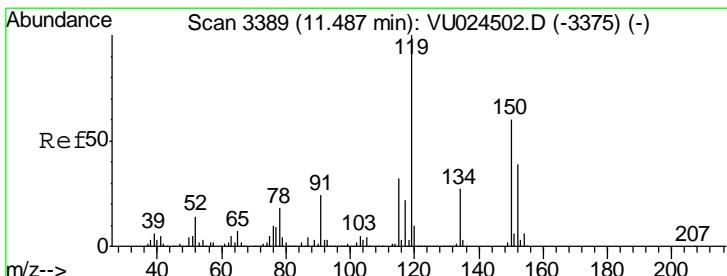
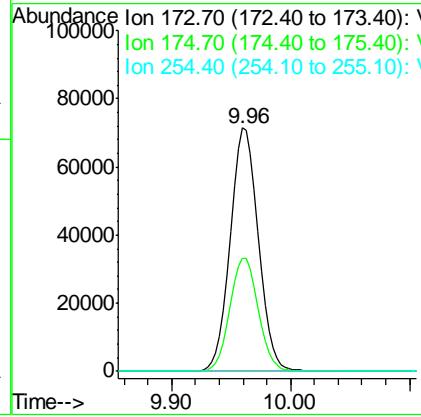
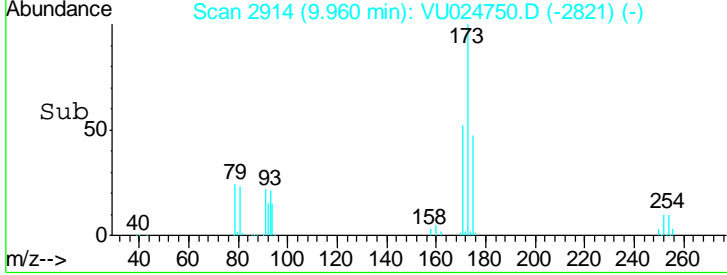
Instrument : MSVOA_U
 Client Sampled : VSTDCCC050



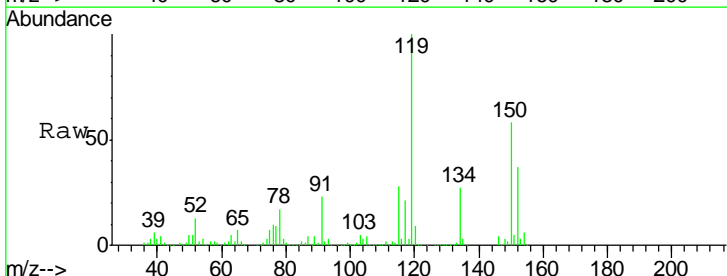
Tgt Ion: 173 Resp: 117015

Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	74.0
254	0.0	0.0	0.0

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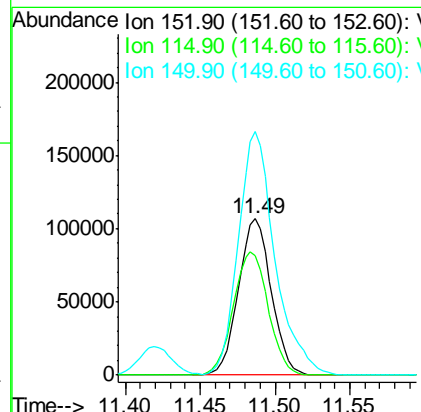
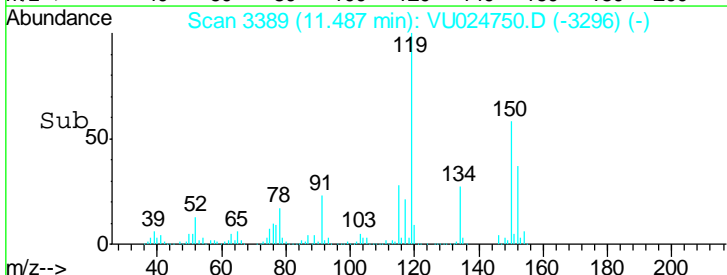


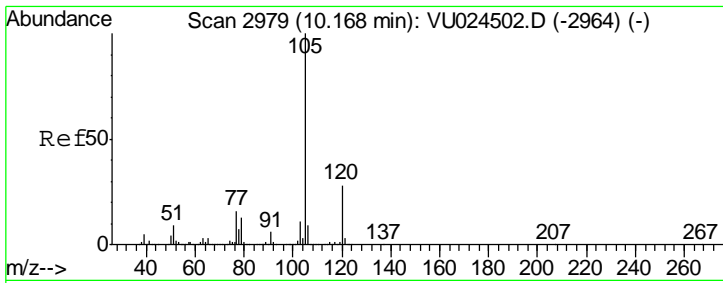
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58



Tgt Ion: 152 Resp: 162800

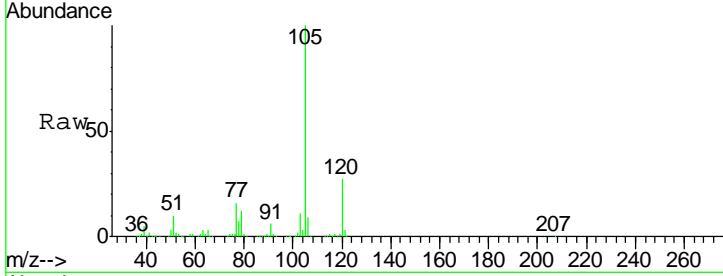
Ion	Ratio	Lower	Upper
152	100		
115	84.0	43.0	129.0
150	174.2	0.0	354.0





#73
 Isopropylbenzene
 Concen: 49.54 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

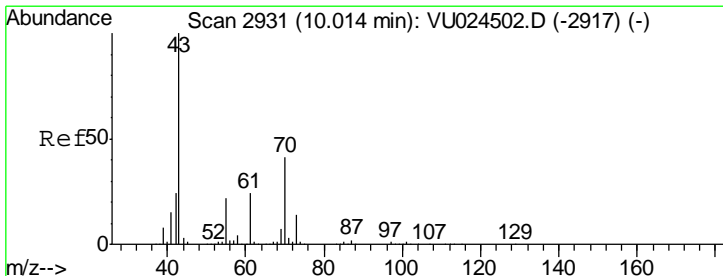
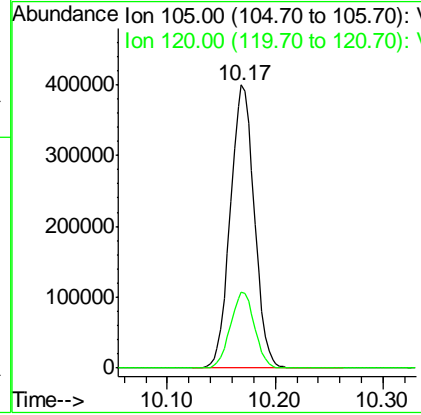
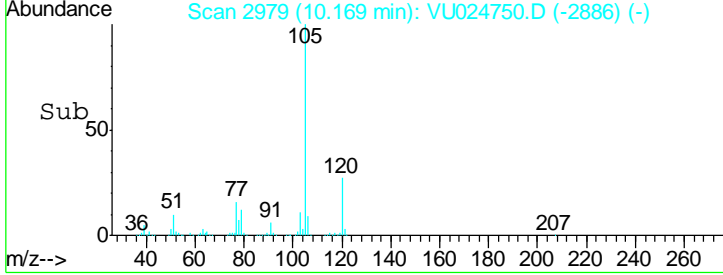
Instrument : MSVOA_U
 Client Sampled : VSTDCCC050



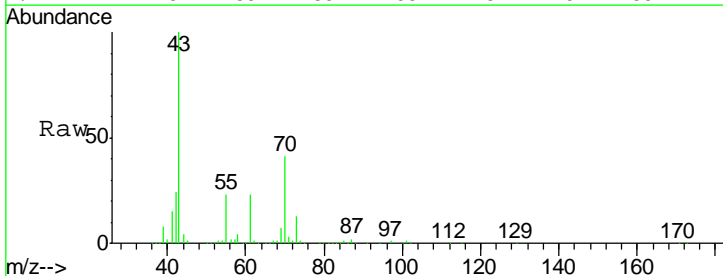
Tgt Ion: 105 Resp: 619210

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.2	39.6

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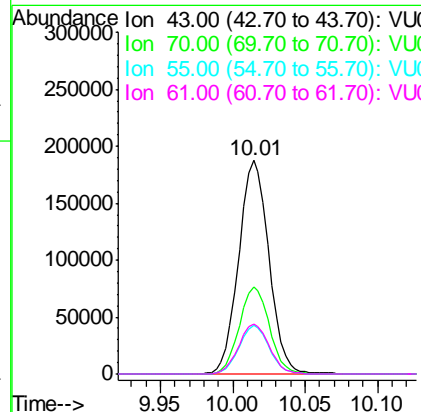
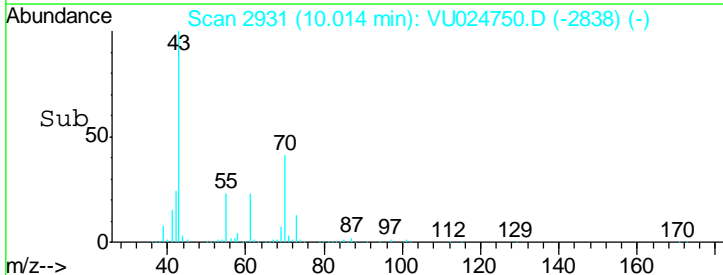


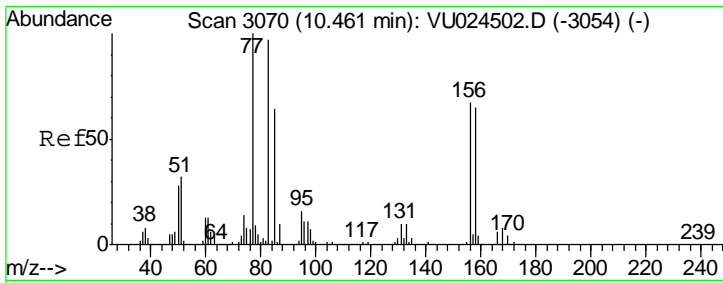
#74
 N-aryl acetate
 Concen: 45.66 ug/l
 RT: 10.01 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58



Tgt Ion: 43 Resp: 271461

Ion	Ratio	Lower	Upper
43	100		
70	40.8	32.2	48.4
55	22.8	20.5	30.7
61	23.8	18.7	28.1



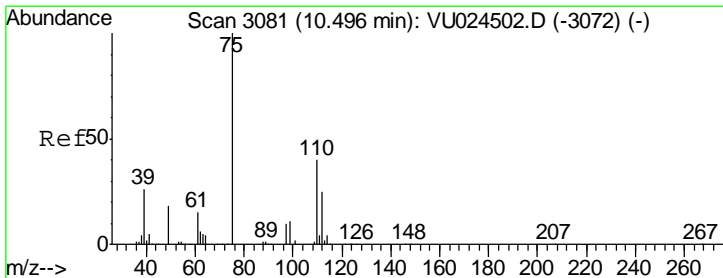
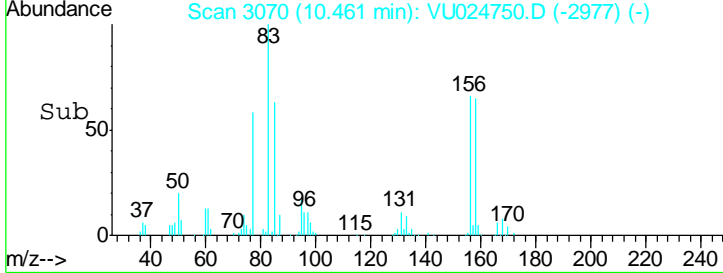
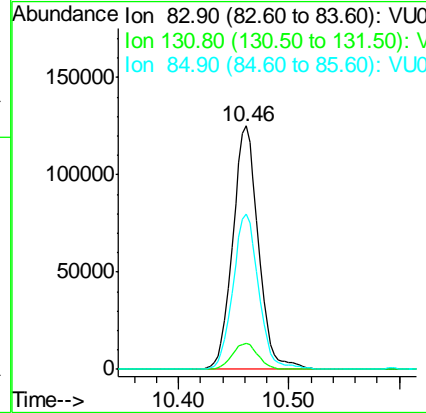
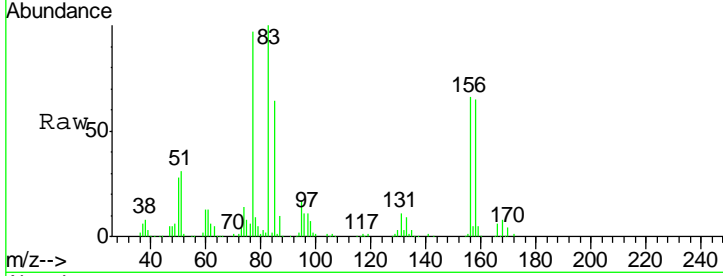


#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.10 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

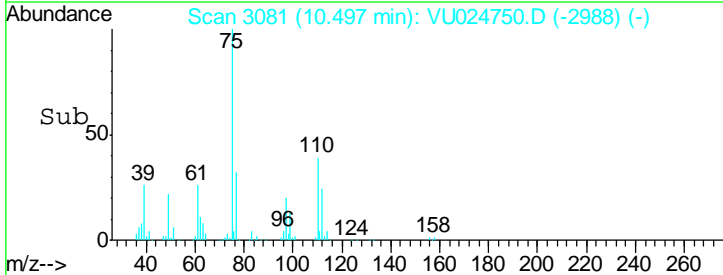
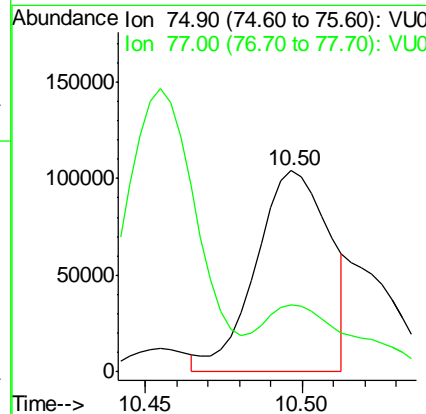
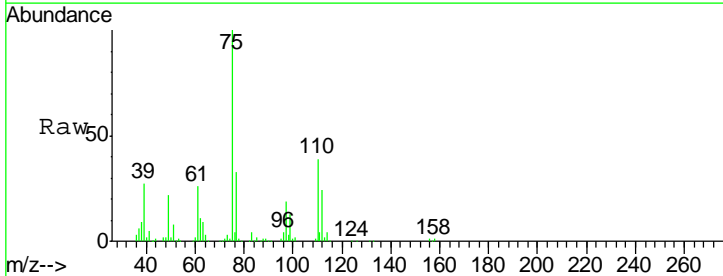
Tgt Ion	Resp	Lower	Upper
83	100		
131	10.7	4.7	14.1
85	64.0	32.5	97.5

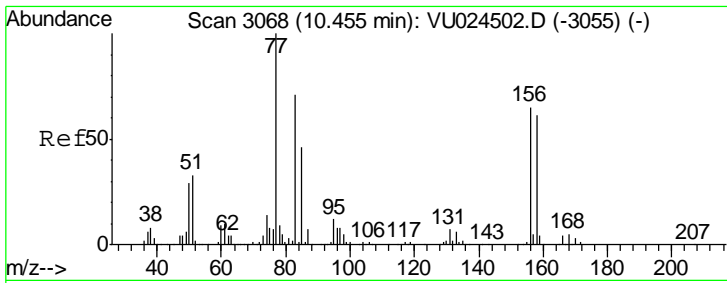
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#76
 1,2,3-Trichloropropane
 Concen: 47.42 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
75	100		
77	43.7	20.9	62.7



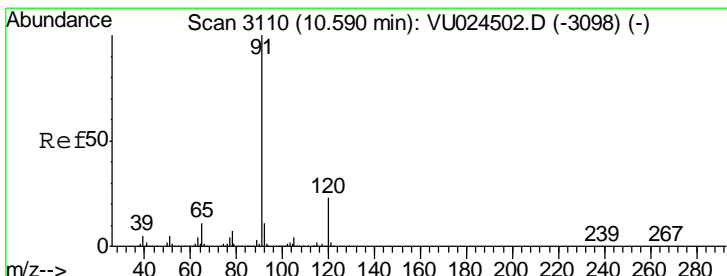
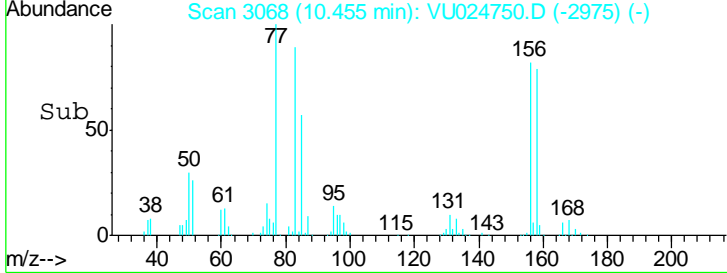
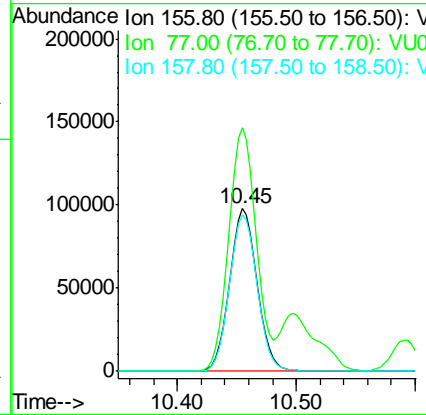
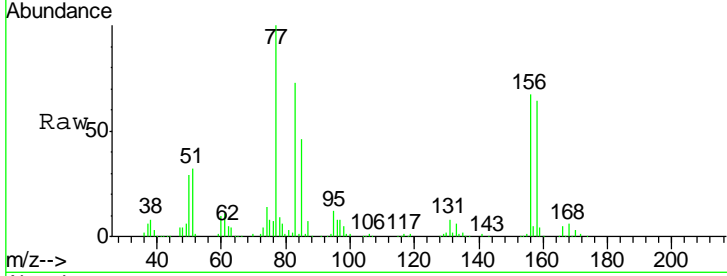


#77
 Bromobenzene
 Concen: 49.39 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDC050

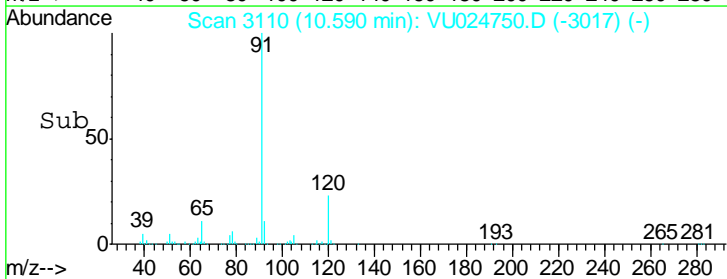
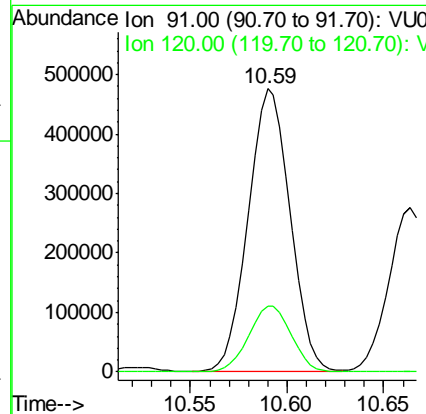
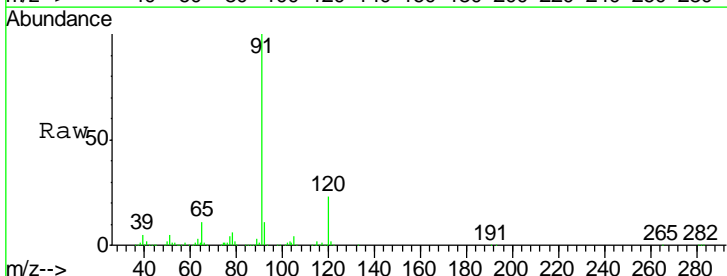
Tgt Ion	Resp	Lower	Upper
156	156288		
77	150.6	80.5	241.3
158	96.8	48.2	144.6

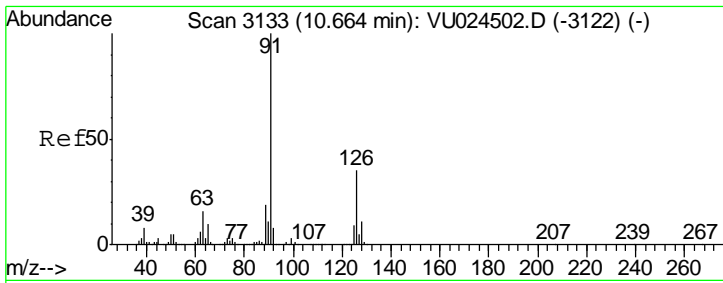
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#78
 n-propylbenzene
 Concen: 48.77 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
91	718019		
120	23.7	11.2	33.5



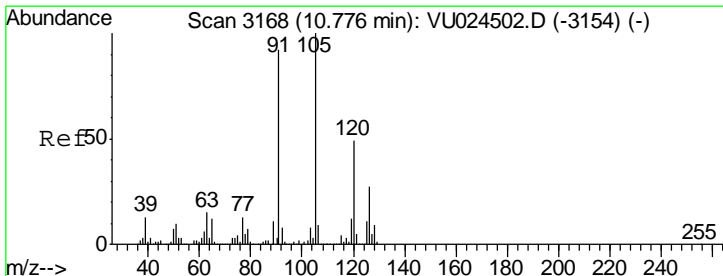
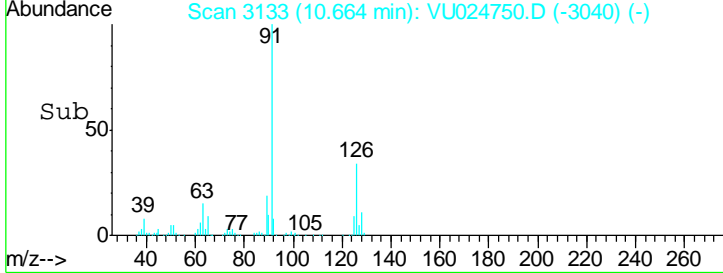
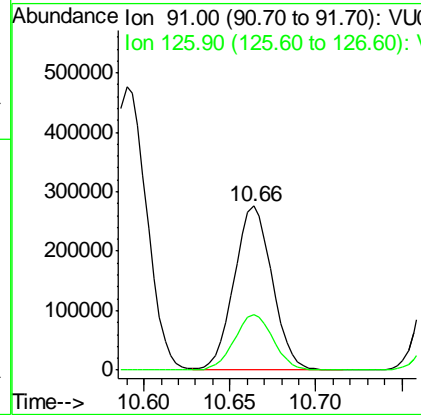
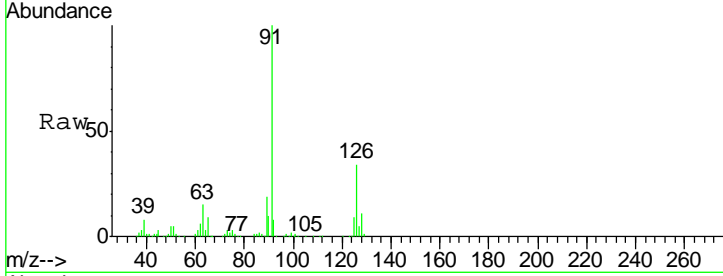


#79
 2-Chlorotoluene
 Concen: 48.55 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

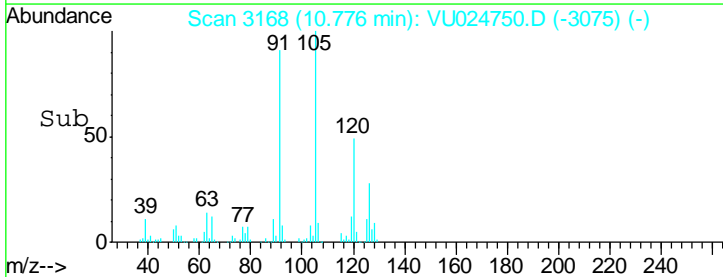
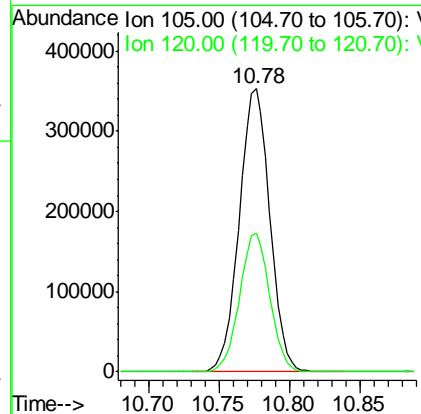
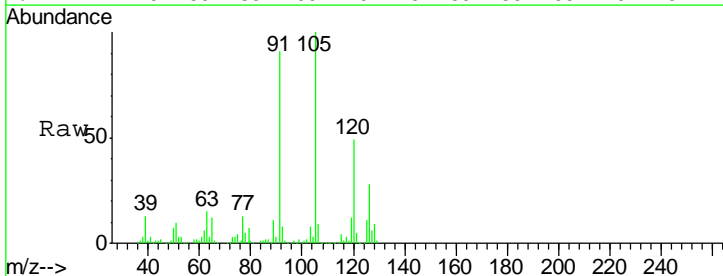
Tgt Ion	Resp	Lower	Upper
91	421569		
126	34.9	16.9	50.7

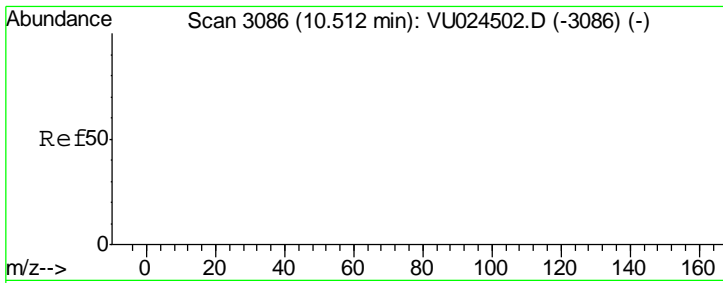
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.49 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
105	536192		
120	48.6	24.1	72.2



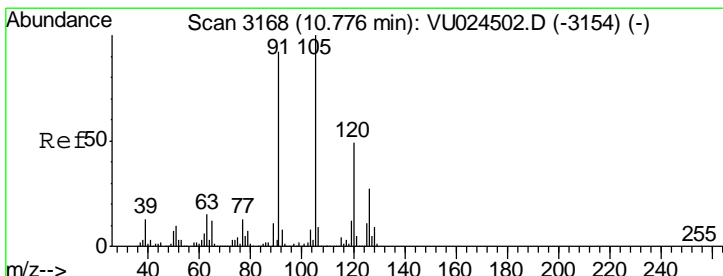
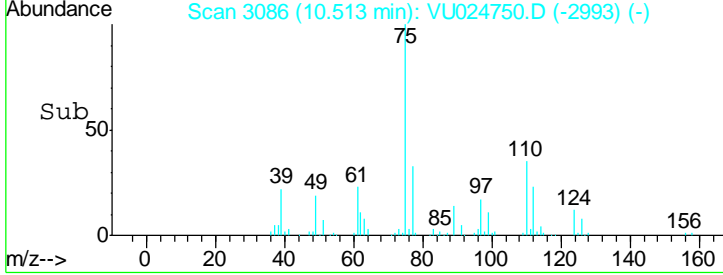
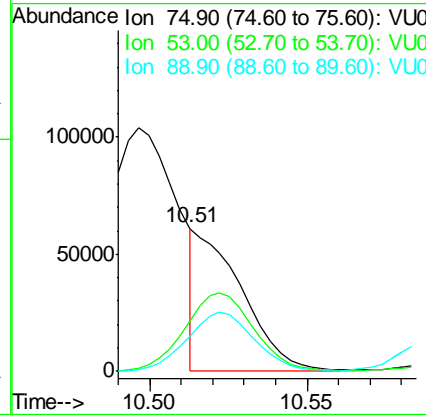
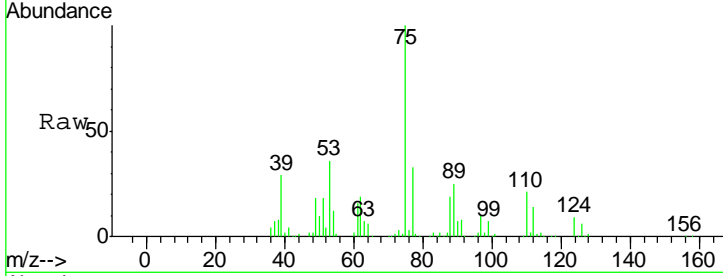


#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.30 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

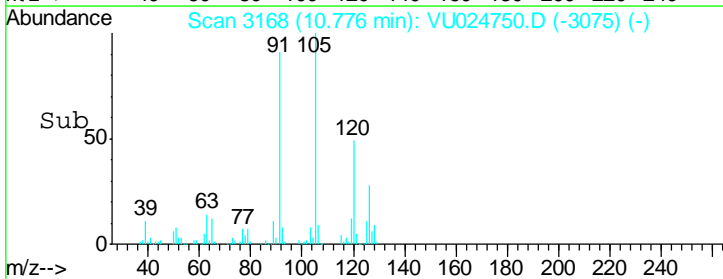
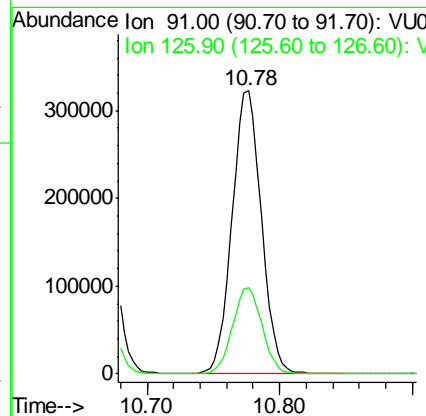
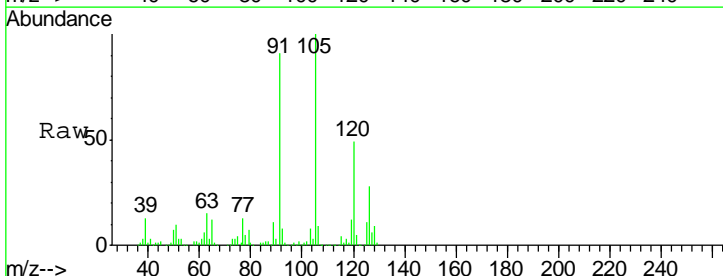
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

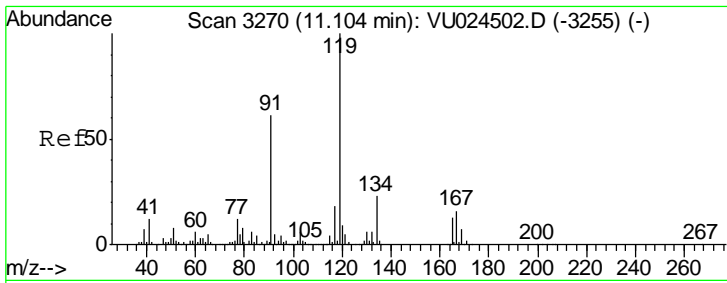
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#82
 4-Chlorotoluene
 Concen: 48.91 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	14.9	44.9



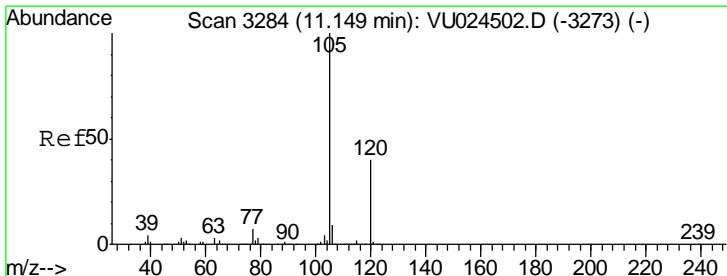
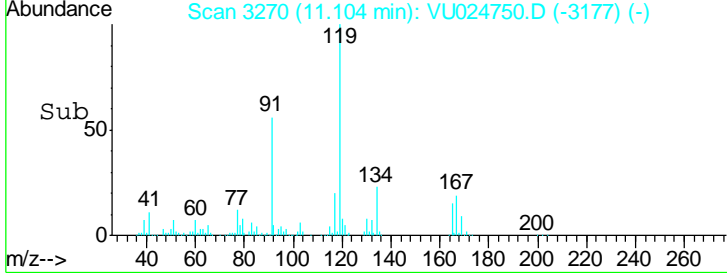
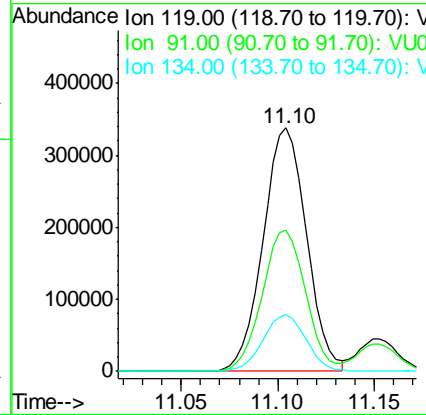
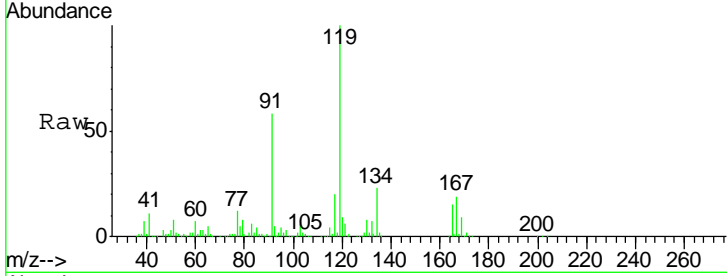


#83
 tert-Butylbenzene
 Concen: 50.66 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

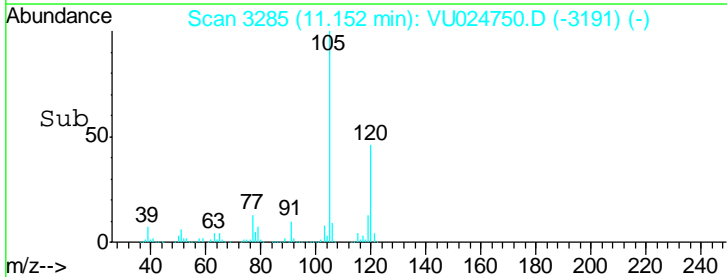
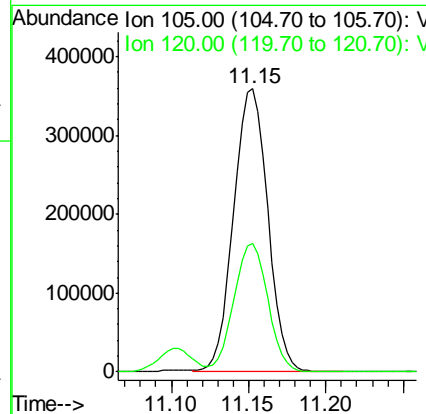
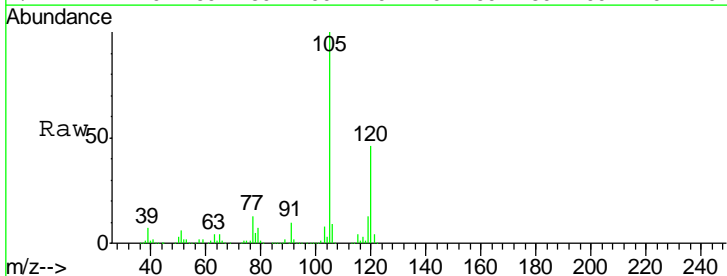
Tgt Ion	Resp	Lower	Upper
119	527941		
91	58.1	29.7	89.1
134	23.0	11.6	34.7

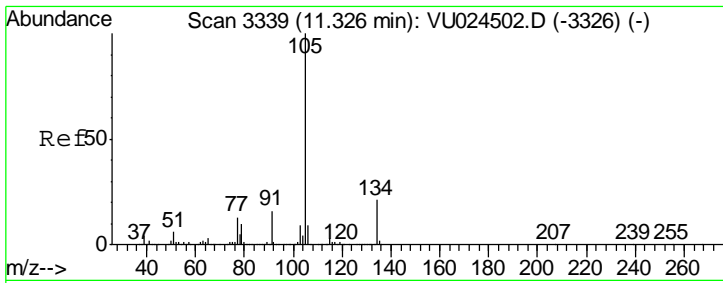
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.78 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

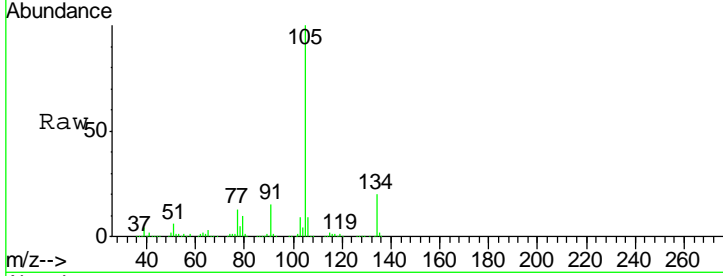
Tgt Ion	Resp	Lower	Upper
105	549645		
120	45.1	22.6	67.8





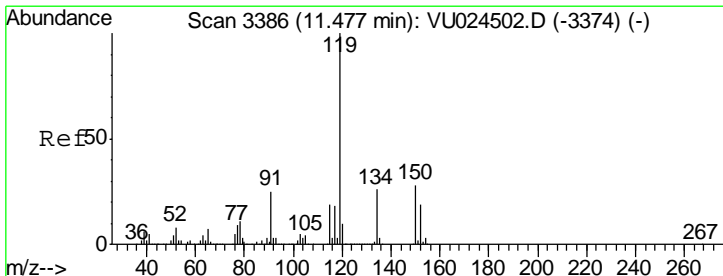
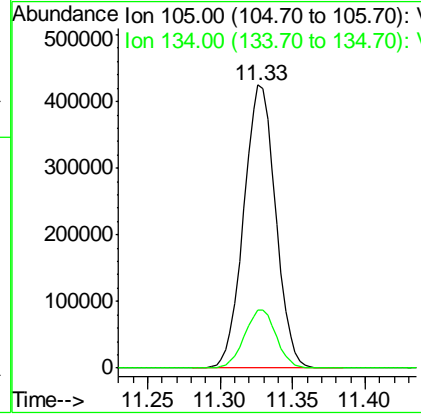
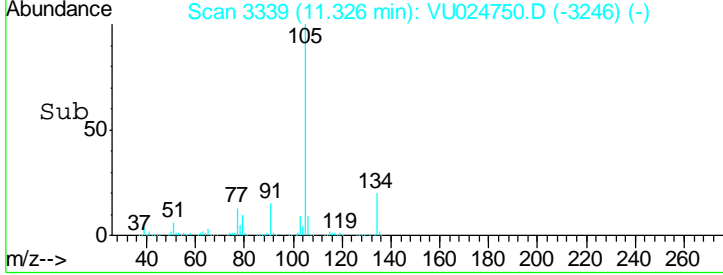
#85
 sec-Butylbenzene
 Concen: 49.73 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

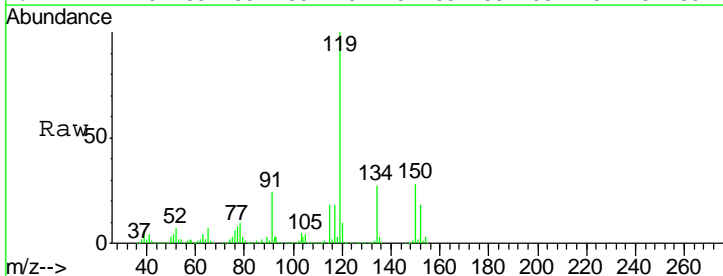


Tgt Ion	Resp	Lower	Upper
105	648661		
105	100		
134	20.4	9.7	29.1

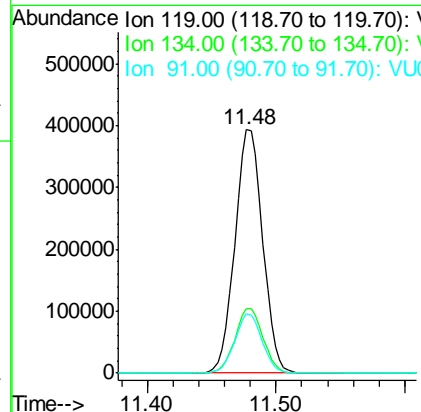
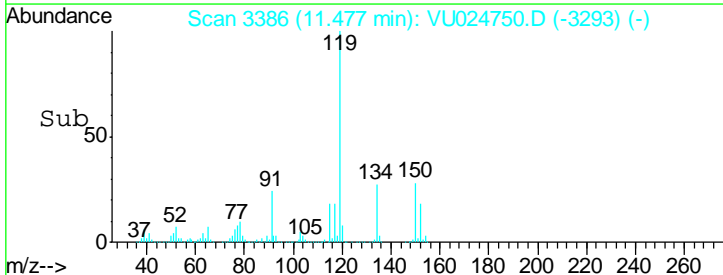
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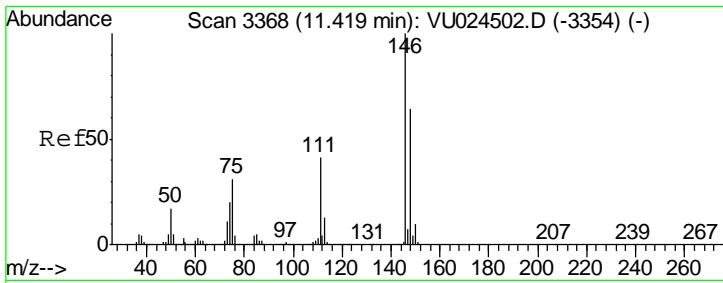


#86
 p-Isopropyltoluene
 Concen: 50.18 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58



Tgt Ion	Resp	Lower	Upper
119	586272		
119	100		
134	26.8	12.9	38.6
91	24.1	12.0	36.1



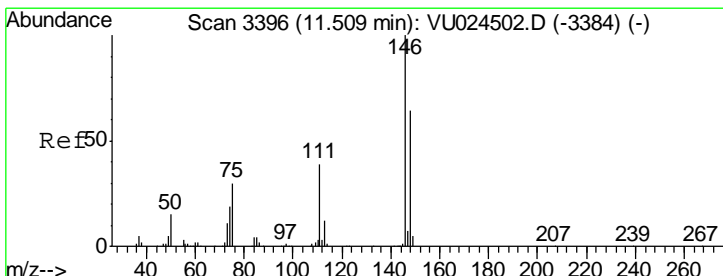
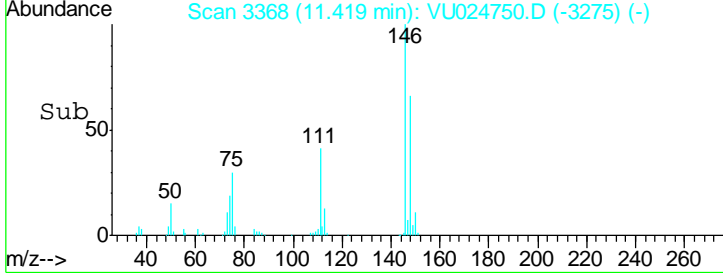
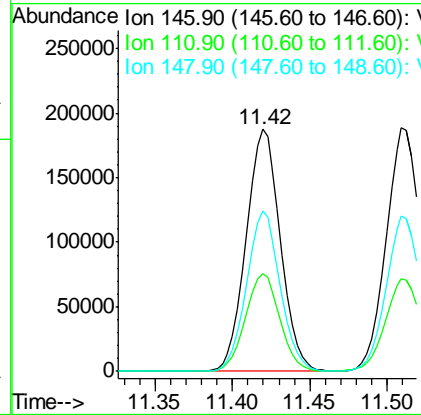
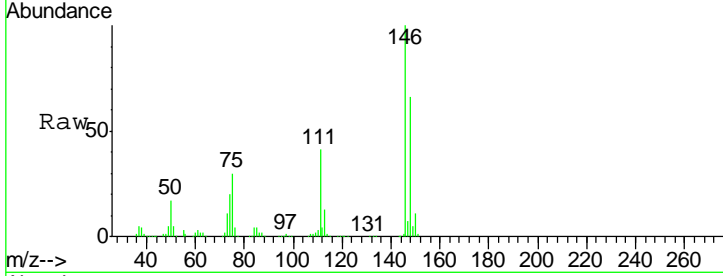


#87
 1,3-Dichlorobenzene
 Concen: 49.37 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

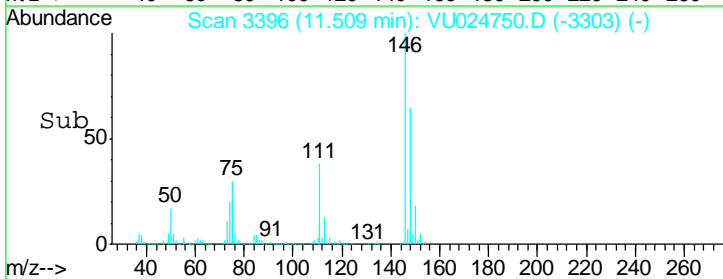
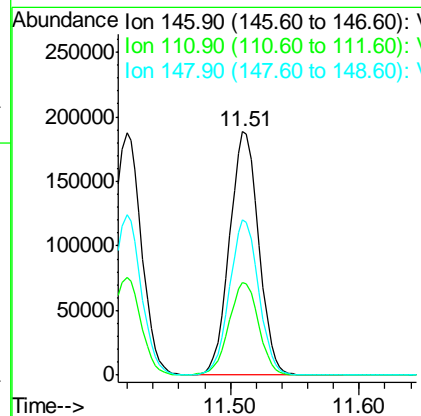
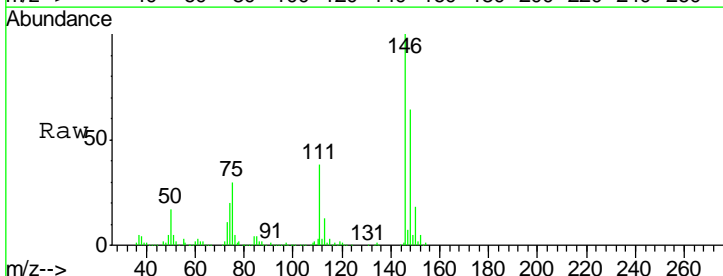
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	64.8	32.1	96.5

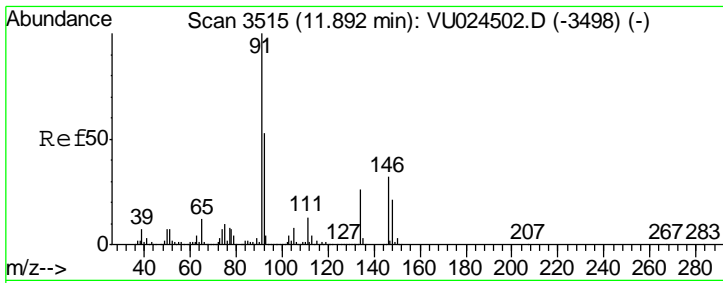
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#88
 1,4-Dichlorobenzene
 Concen: 50.18 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	63.5	32.4	97.0



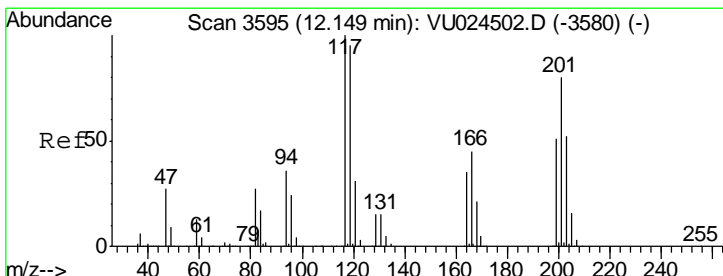
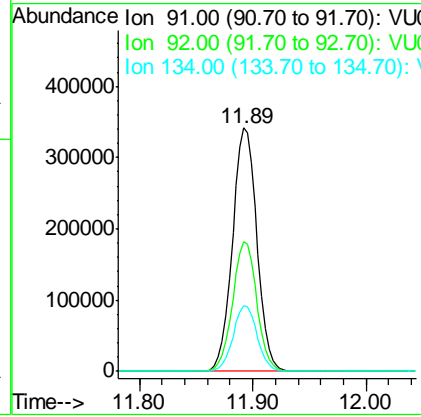
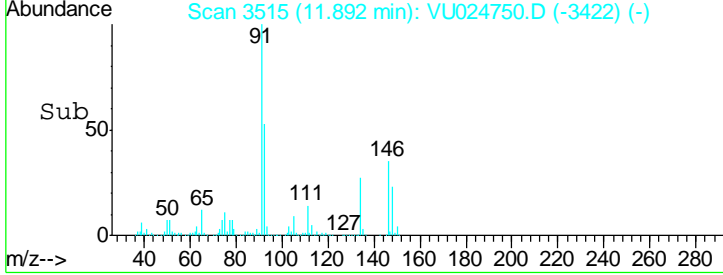
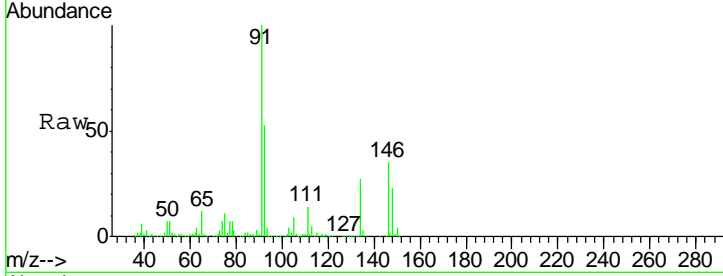


#89
 n-Butylbenzene
 Concen: 49.28 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 ClientSampled : VSTDCCC050

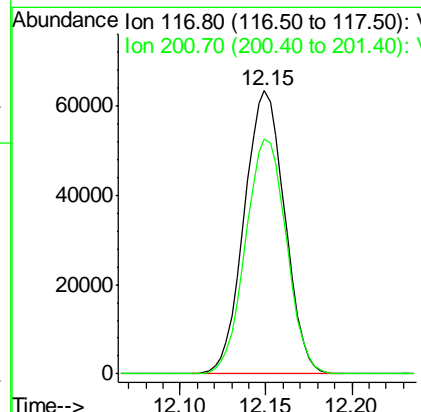
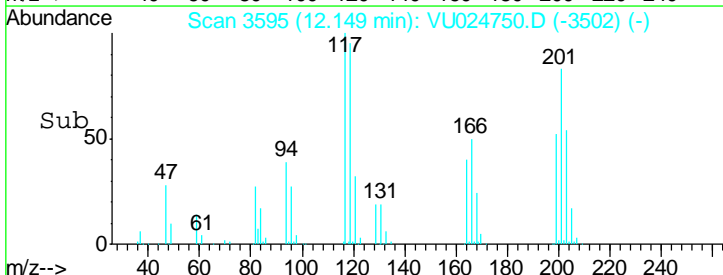
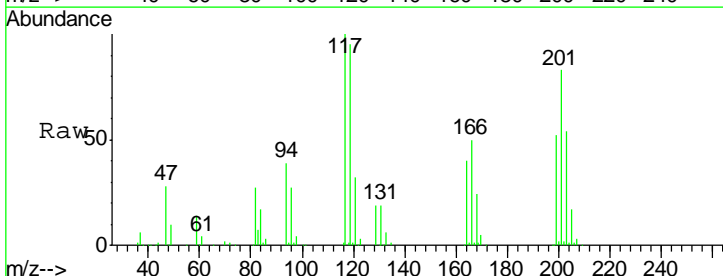
Tgt Ion	Resp	Lower	Upper
91	100		
92	52.9	25.6	76.8
134	26.8	12.3	36.8

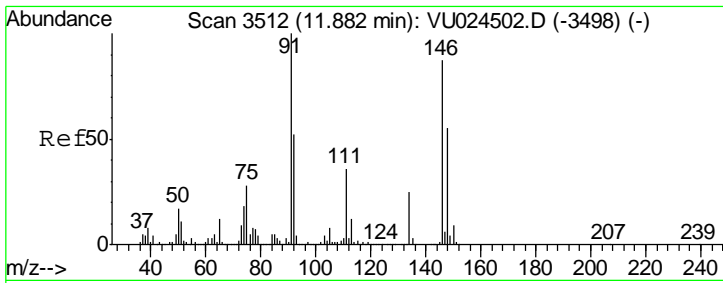
Manual Integrations
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 6/21/2018 1:44:00 PM



#90
 Hexachloroethane
 Concen: 45.49 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

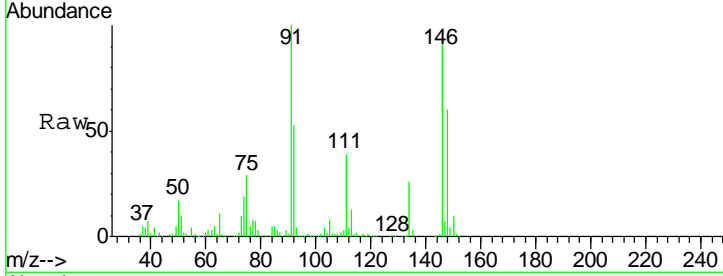
Tgt Ion	Resp	Lower	Upper
117	100		
201	83.8	41.1	123.3





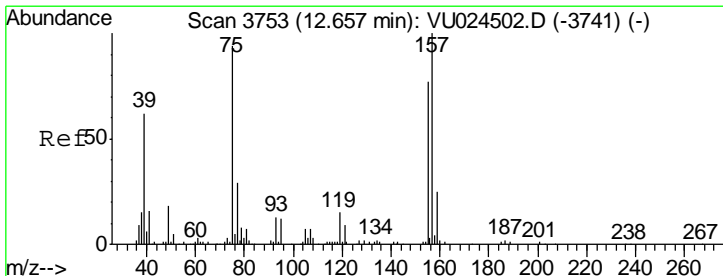
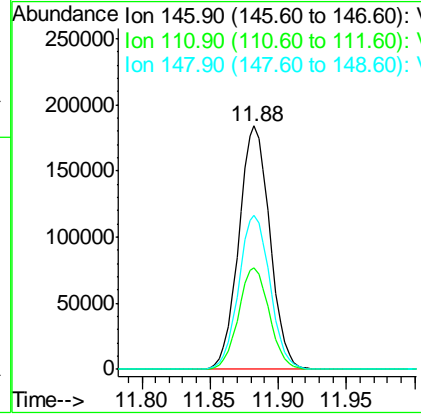
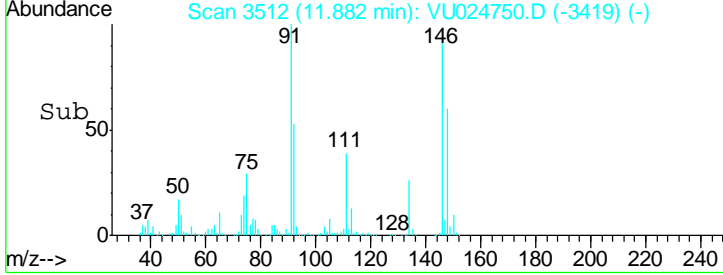
#91
 1,2-Dichlorobenzene
 Concen: 49.65 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

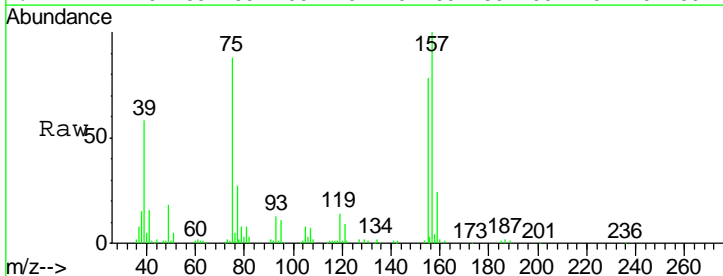


Tgt Ion	Resp	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	63.8	31.9	95.7

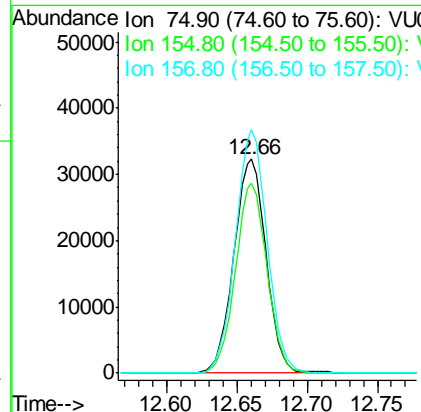
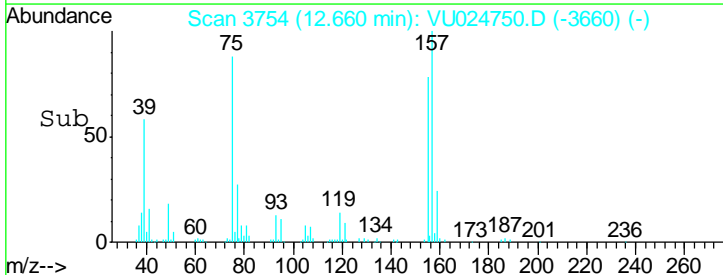
Manual Integrations APPROVED
 apatel
 6/21/2018 1:44:00 PM

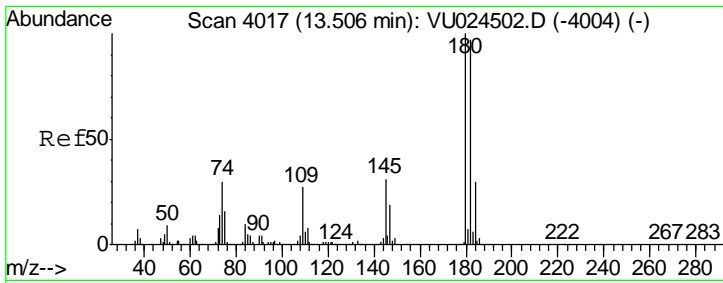


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.70 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58



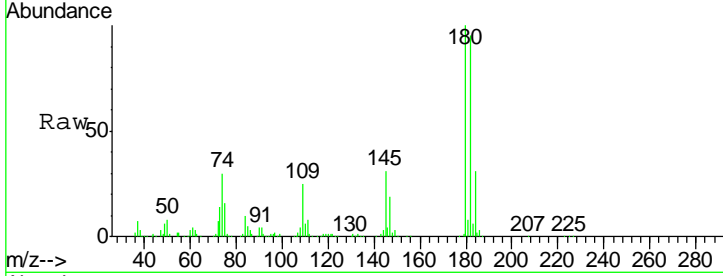
Tgt Ion	Resp	Lower	Upper
75	100		
155	86.5	40.4	121.2
157	111.9	52.3	156.8





#93
 1,2,4-Trichlorobenzene
 Concen: 55.79 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

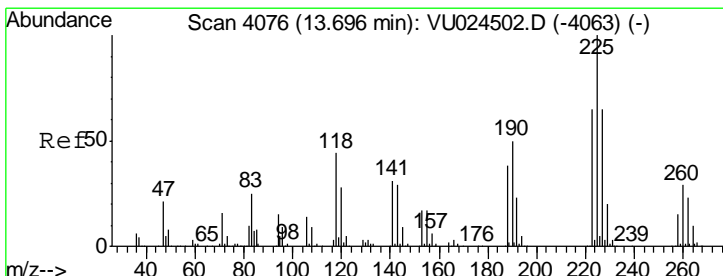
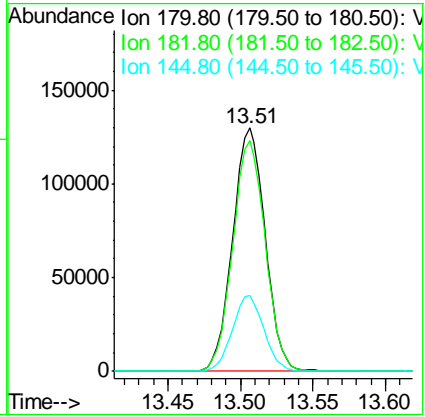
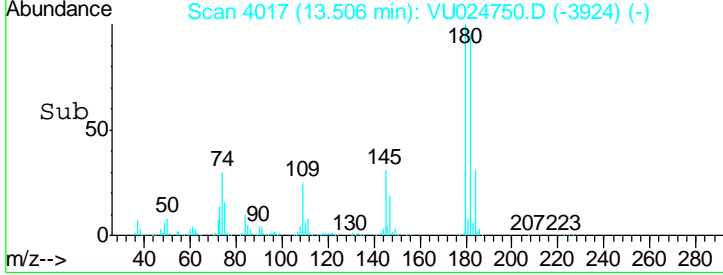
Instrument : MSVOA_U
 Client Sampled : VSTDCCC050



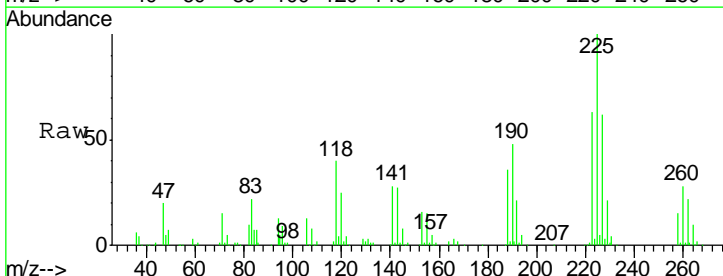
Tgt Ion: 180 Resp: 201742

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.0	144.2
145	30.3	14.7	44.1

Manual Integrations
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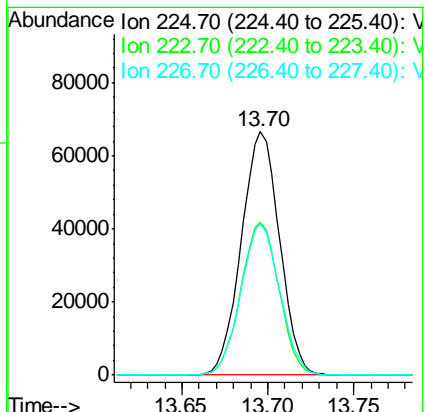
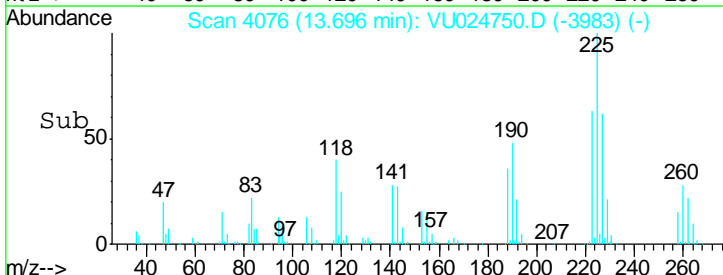


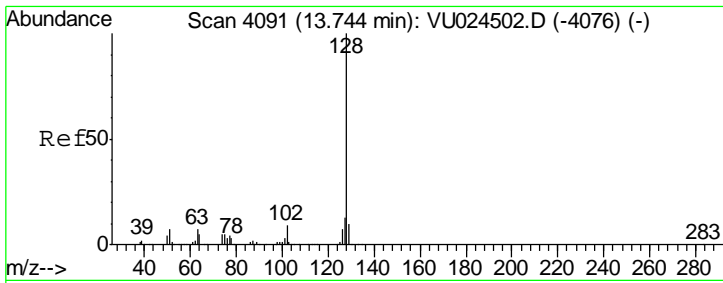
#94
 Hexachlorobutadiene
 Concen: 50.50 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58



Tgt Ion: 225 Resp: 102771

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.8
227	62.9	31.8	95.4



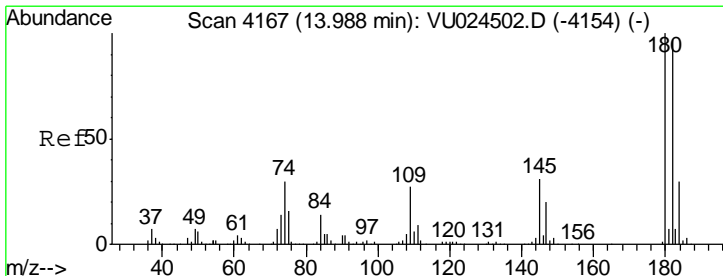
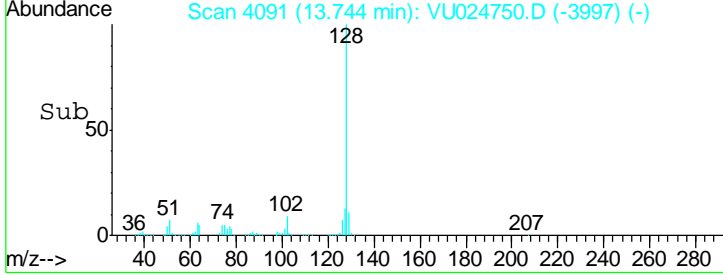
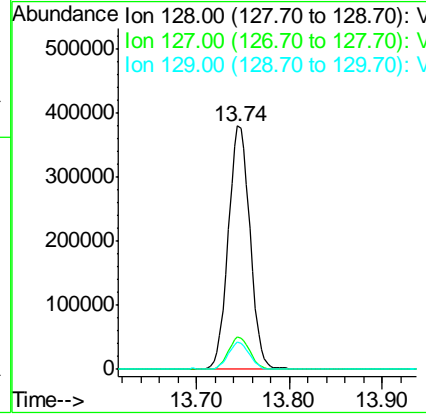
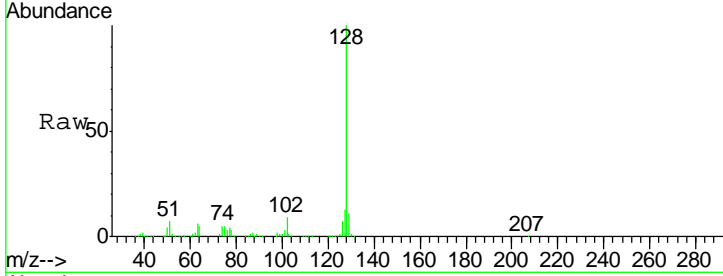


#95
 Naphthalene
 Concen: 51.44 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Instrument : MSVOA_U
 Client Sampled : VSTDCCC050

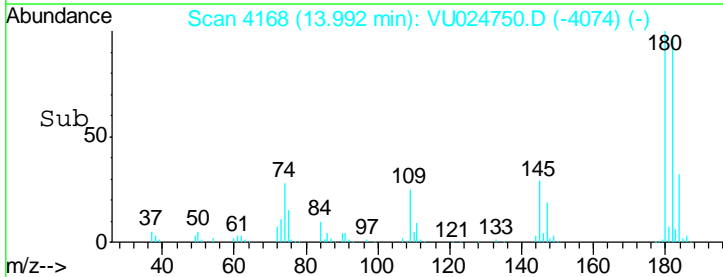
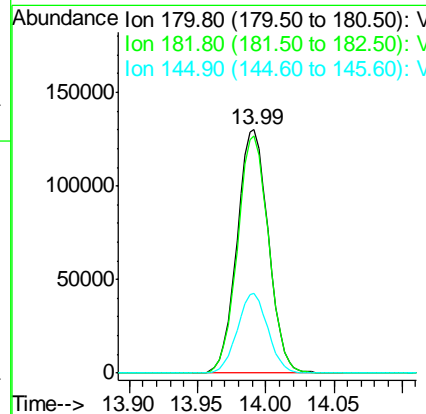
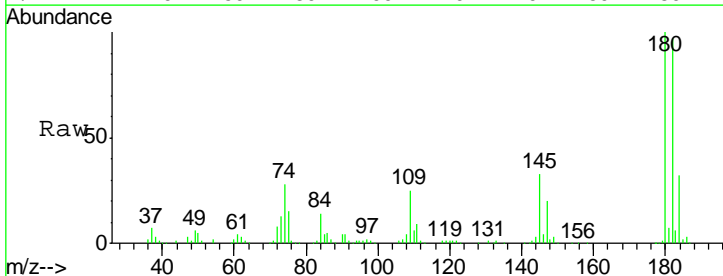
Tgt Ion	Resp	Lower	Upper
128	616012		
127	13.1	10.6	16.0
129	10.9	8.6	12.8

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 6/21/2018 1:44:00 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 57.61 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU024750.D
 Acq: 20 Jun 2018 10:58

Tgt Ion	Resp	Lower	Upper
180	207570		
182	96.6	47.9	143.7
145	31.8	15.4	46.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU062018\
 Data File : VU024750.D
 Acq On : 20 Jun 2018 10:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 20 14:58:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2 T	Dichlorodifluoromethane	50.000	42.868	14.3	86	0.00
3 P	Chloromethane	50.000	45.041	9.9	95	0.00
4 C	Vinyl Chloride	50.000	45.327	9.3#	91	0.00
5 T	Bromomethane	50.000	56.335	-12.7	109	0.00
6 T	Chloroethane	50.000	52.832	-5.7	100	0.00
7 T	Trichlorofluoromethane	50.000	49.287	1.4	101	0.00
8 T	Diethyl Ether	50.000	52.440	-4.9	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	45.033	9.9	91	0.00
10 T	Methyl Iodide	50.000	41.258	17.5	80	0.00
11 T	Tert butyl alcohol	250.000	179.112	28.4#	75	0.00
12 CM	1,1-Dichloroethene	50.000	44.927	10.1#	88	0.00
13 T	Acrolein	250.000	183.596	26.6#	75	0.00
14 T	Allyl chloride	50.000	46.549	6.9	95	0.00
15 T	Acrylonitrile	250.000	218.072	12.8	84	0.00
16 T	Acetone	250.000	203.506	18.6	84	0.00
17 T	Carbon Disulfide	50.000	42.650	14.7	85	0.00
18 T	Methyl Acetate	50.000	44.699	10.6	89	0.00
19 T	Methyl tert-butyl Ether	50.000	44.490	11.0	88	0.00
20 T	Methylene Chloride	50.000	43.464	13.1	90	0.00
21 T	trans-1,2-Dichloroethene	50.000	44.670	10.7	90	0.00
22 T	Diisopropyl ether	50.000	45.808	8.4	91	0.00
23 T	Vinyl Acetate	250.000	223.028	10.8	87	0.00
24 P	1,1-Dichloroethane	50.000	45.142	9.7	89	0.00
25 T	2-Butanone	250.000	213.613	14.6	82	0.00
26 T	2,2-Dichloropropane	50.000	44.182	11.6	89	0.00
27 T	cis-1,2-Dichloroethene	50.000	45.921	8.2	92	0.00
28 T	Bromochloromethane	50.000	45.978	8.0	85	0.00
29 T	Tetrahydrofuran	250.000	208.356	16.7	83	0.00
30 C	Chloroform	50.000	45.450	9.1#	90	0.00
31 T	Cyclohexane	50.000	47.433	5.1	90	0.00
32 T	1,1,1-Trichloroethane	50.000	44.325	11.3	90	0.00
33 S	1,2-Dichloroethane-d4	50.000	40.544	18.9	78	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35 S	Dibromofluoromethane	50.000	45.348	9.3	82	0.00
36 T	1,1-Dichloropropene	50.000	47.907	4.2	90	0.00
37 T	Ethyl Acetate	50.000	47.907	4.2	82	0.00
38 T	Carbon Tetrachloride	50.000	48.569	2.9	90	0.00
39 T	Methylcyclohexane	50.000	49.062	1.9	93	0.00
40 TM	Benzene	50.000	48.775	2.5	90	0.00
41 T	Methacrylonitrile	50.000	48.780	2.4	84	0.00
42 TM	1,2-Dichloroethane	50.000	48.515	3.0	90	0.00
43 T	Isopropyl Acetate	50.000	45.505	9.0	85	0.00
44 TM	Trichloroethene	50.000	49.470	1.1	94	0.00
45 C	1,2-Dichloropropane	50.000	50.230	-0.5#	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU062018\
 Data File : VU024750.D
 Acq On : 20 Jun 2018 10:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 20 14:58:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	49.641	0.7	90	0.00
47 T	Bromodichloromethane	50.000	47.721	4.6	88	0.00
48 T	Methyl methacrylate	50.000	46.564	6.9	85	0.00
49 T	1,4-Dioxane	1000.000	1070.413	-7.0	105	0.02
50 S	Toluene-d8	50.000	46.031	7.9	83	0.00
51 T	4-Methyl-2-Pentanone	250.000	229.983	8.0	85	0.00
52 CM	Toluene	50.000	49.751	0.5#	92	0.00
53 T	t-1,3-Dichloropropene	50.000	48.823	2.4	88	0.00
54 T	cis-1,3-Dichloropropene	50.000	47.734	4.5	88	0.00
55 T	1,1,2-Trichloroethane	50.000	49.744	0.5	95	0.00
56 T	Ethyl methacrylate	50.000	48.192	3.6	90	0.00
57 T	1,3-Dichloropropane	50.000	49.725	0.5	93	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	198.395	20.6#	71	0.00
59 T	2-Hexanone	250.000	225.338	9.9	84	0.00
60 T	Dibromochloromethane	50.000	47.707	4.6	91	0.00
61 T	1,2-Dibromoethane	50.000	49.226	1.5	93	0.00
62 S	4-Bromofluorobenzene	50.000	45.416	9.2	83	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64 T	Tetrachloroethene	50.000	46.880	6.2	86	0.00
65 PM	Chlorobenzene	50.000	49.909	0.2	93	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.575	-1.2	96	0.00
67 C	Ethyl Benzene	50.000	48.953	2.1#	92	0.00
68 T	m/p-Xylenes	100.000	101.202	-1.2	95	0.00
69 T	o-Xylene	50.000	50.109	-0.2	95	0.00
70 T	Styrene	50.000	50.282	-0.6	93	0.00
71 P	Bromoform	50.000	47.126	5.7	90	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	94	0.00
73 T	Isopropylbenzene	50.000	49.540	0.9	95	0.00
74 T	N-amyl acetate	50.000	45.661	8.7	87	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.104	3.8	95	0.00
76 T	1,2,3-Trichloropropane	50.000	47.423	5.2	90	0.00
77 T	Bromobenzene	50.000	49.391	1.2	94	0.00
78 T	n-propylbenzene	50.000	48.766	2.5	93	0.00
79 T	2-Chlorotoluene	50.000	48.552	2.9	94	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.494	1.0	96	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	40.300	19.4	77	0.00
82 T	4-Chlorotoluene	50.000	48.908	2.2	93	0.00
83 T	tert-Butylbenzene	50.000	50.661	-1.3	98	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.785	0.4	95	0.00
85 T	sec-Butylbenzene	50.000	49.727	0.5	95	0.00
86 T	p-Isopropyltoluene	50.000	50.183	-0.4	97	0.00
87 T	1,3-Dichlorobenzene	50.000	49.373	1.3	95	0.00
88 T	1,4-Dichlorobenzene	50.000	50.178	-0.4	96	0.00
89 T	n-Butylbenzene	50.000	49.281	1.4	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU062018\
 Data File : VU024750.D
 Acq On : 20 Jun 2018 10:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 20 14:58:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	45.494	9.0	90	0.00
91 T	1,2-Dichlorobenzene	50.000	49.654	0.7	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.697	10.6	83	0.00
93 T	1,2,4-Trichlorobenzene	50.000	55.792	-11.6	95	0.00
94 T	Hexachlorobutadiene	50.000	50.495	-1.0	96	0.00
95 T	Naphthalene	50.000	51.440	-2.9	94	0.00
96 T	1,2,3-Trichlorobenzene	50.000	57.609	-15.2	97	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU062018\
 Data File : VU024750.D
 Acq On : 20 Jun 2018 10:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 20 14:58:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2 T	Dichlorodifluoromethane	0.626	0.537	14.2	86	0.00
3 P	Chloromethane	0.639	0.576	9.9	95	0.00
4 C	Vinyl Chloride	0.659	0.598	9.3#	91	0.00
5 T	Bromomethane	0.319	0.359	-12.5	109	0.00
6 T	Chloroethane	0.431	0.389	9.7	100	0.00
7 T	Trichlorofluoromethane	1.006	0.992	1.4	101	0.00
8 T	Diethyl Ether	0.390	0.359	7.9	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.624	0.562	9.9	91	0.00
10 T	Methyl Iodide	0.451	0.425	5.8	80	0.00
11 T	Tert butyl alcohol	0.199	0.142	28.6#	75	0.00
12 CM	1,1-Dichloroethene	0.569	0.512	10.0#	88	0.00
13 T	Acrolein	0.104	0.077	26.0#	75	0.00
14 T	Allyl chloride	1.057	0.984	6.9	95	0.00
15 T	Acrylonitrile	0.386	0.337	12.7	84	0.00
16 T	Acetone	0.439	0.357	18.7	84	0.00
17 T	Carbon Disulfide	1.823	1.555	14.7	85	0.00
18 T	Methyl Acetate	0.940	0.841	10.5	89	0.00
19 T	Methyl tert-butyl Ether	2.140	1.904	11.0	88	0.00
20 T	Methylene Chloride	0.688	0.598	13.1	90	0.00
21 T	trans-1,2-Dichloroethene	0.627	0.560	10.7	90	0.00
22 T	Diisopropyl ether	2.096	1.920	8.4	91	0.00
23 T	Vinyl Acetate	1.877	1.675	10.8	87	0.00
24 P	1,1-Dichloroethane	1.205	1.088	9.7	89	0.00
25 T	2-Butanone	0.589	0.503	14.6	82	0.00
26 T	2,2-Dichloropropane	1.145	1.011	11.7	89	0.00
27 T	cis-1,2-Dichloroethene	0.721	0.662	8.2	92	0.00
28 T	Bromochloromethane	0.531	0.488	8.1	85	0.00
29 T	Tetrahydrofuran	0.365	0.304	16.7	83	0.00
30 C	Chloroform	1.220	1.109	9.1#	90	0.00
31 T	Cyclohexane	1.323	1.018	23.1#	90	0.00
32 T	1,1,1-Trichloroethane	1.128	1.000	11.3	90	0.00
33 S	1,2-Dichloroethane-d4	0.816	0.662	18.9	78	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35 S	Dibromofluoromethane	0.415	0.376	9.4	82	0.00
36 T	1,1-Dichloropropene	0.588	0.563	4.3	90	0.00
37 T	Ethyl Acetate	0.640	0.614	4.1	82	0.00
38 T	Carbon Tetrachloride	0.646	0.628	2.8	90	0.00
39 T	Methylcyclohexane	0.733	0.719	1.9	93	0.00
40 TM	Benzene	1.674	1.633	2.4	90	0.00
41 T	Methacrylonitrile	0.345	0.337	2.3	84	0.00
42 TM	1,2-Dichloroethane	0.638	0.619	3.0	90	0.00
43 T	Isopropyl Acetate	1.107	1.007	9.0	85	0.00
44 TM	Trichloroethene	0.476	0.471	1.1	94	0.00
45 C	1,2-Dichloropropane	0.447	0.449	-0.4#	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU062018\
 Data File : VU024750.D
 Acq On : 20 Jun 2018 10:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 20 14:58:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.314	0.312	0.6	90	0.00
47 T	Bromodichloromethane	0.625	0.596	4.6	88	0.00
48 T	Methyl methacrylate	0.539	0.502	6.9	85	0.00
49 T	1,4-Dioxane	0.011	0.011	0.0	105	0.02
50 S	Toluene-d8	1.514	1.393	8.0	83	0.00
51 T	4-Methyl-2-Pentanone	0.695	0.640	7.9	85	0.00
52 CM	Toluene	1.077	1.072	0.5#	92	0.00
53 T	t-1,3-Dichloropropene	0.702	0.685	2.4	88	0.00
54 T	cis-1,3-Dichloropropene	0.748	0.714	4.5	88	0.00
55 T	1,1,2-Trichloroethane	0.438	0.436	0.5	95	0.00
56 T	Ethyl methacrylate	0.733	0.706	3.7	90	0.00
57 T	1,3-Dichloropropane	0.739	0.735	0.5	93	0.00
58 T	2-Chloroethyl Vinyl ether	0.281	0.223	20.6#	71	0.00
59 T	2-Hexanone	0.568	0.512	9.9	84	0.00
60 T	Dibromochloromethane	0.546	0.521	4.6	91	0.00
61 T	1,2-Dibromoethane	0.487	0.480	1.4	93	0.00
62 S	4-Bromofluorobenzene	0.601	0.546	9.2	83	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64 T	Tetrachloroethene	0.475	0.446	6.1	86	0.00
65 PM	Chlorobenzene	1.277	1.275	0.2	93	0.00
66 T	1,1,1,2-Tetrachloroethane	0.485	0.491	-1.2	96	0.00
67 C	Ethyl Benzene	2.239	2.192	2.1#	92	0.00
68 T	m/p-Xylenes	0.860	0.870	-1.2	95	0.00
69 T	o-Xylene	0.851	0.853	-0.2	95	0.00
70 T	Styrene	1.398	1.406	-0.6	93	0.00
71 P	Bromoform	0.461	0.435	5.6	90	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
73 T	Isopropylbenzene	3.839	3.804	0.9	95	0.00
74 T	N-amyl acetate	1.826	1.667	8.7	87	0.00
75 P	1,1,2,2-Tetrachloroethane	1.286	1.238	3.7	95	0.00
76 T	1,2,3-Trichloropropane	1.101	1.044	5.2	90	0.00
77 T	Bromobenzene	0.972	0.960	1.2	94	0.00
78 T	n-propylbenzene	4.522	4.410	2.5	93	0.00
79 T	2-Chlorotoluene	2.667	2.589	2.9	94	0.00
80 T	1,3,5-Trimethylbenzene	3.327	3.294	1.0	96	0.00
81 T	trans-1,4-Dichloro-2-butene	0.476	0.383	19.5	77	0.00
82 T	4-Chlorotoluene	3.104	3.036	2.2	93	0.00
83 T	tert-Butylbenzene	3.201	3.243	-1.3	98	0.00
84 T	1,2,4-Trimethylbenzene	3.391	3.376	0.4	95	0.00
85 T	sec-Butylbenzene	4.006	3.984	0.5	95	0.00
86 T	p-Isopropyltoluene	3.588	3.601	-0.4	97	0.00
87 T	1,3-Dichlorobenzene	1.795	1.773	1.2	95	0.00
88 T	1,4-Dichlorobenzene	1.807	1.814	-0.4	96	0.00
89 T	n-Butylbenzene	3.186	3.140	1.4	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU062018\
 Data File : VU024750.D
 Acq On : 20 Jun 2018 10:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 20 14:58:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.700	0.637	9.0	90	0.00
91 T	1,2-Dichlorobenzene	1.798	1.786	0.7	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.355	0.317	10.7	83	0.00
93 T	1,2,4-Trichlorobenzene	1.111	1.239	-11.5	95	0.00
94 T	Hexachlorobutadiene	0.625	0.631	-1.0	96	0.00
95 T	Naphthalene	3.293	3.784	-14.9	94	0.00
96 T	1,2,3-Trichlorobenzene	1.107	1.275	-15.2	97	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

QC SAMPLE
DATA

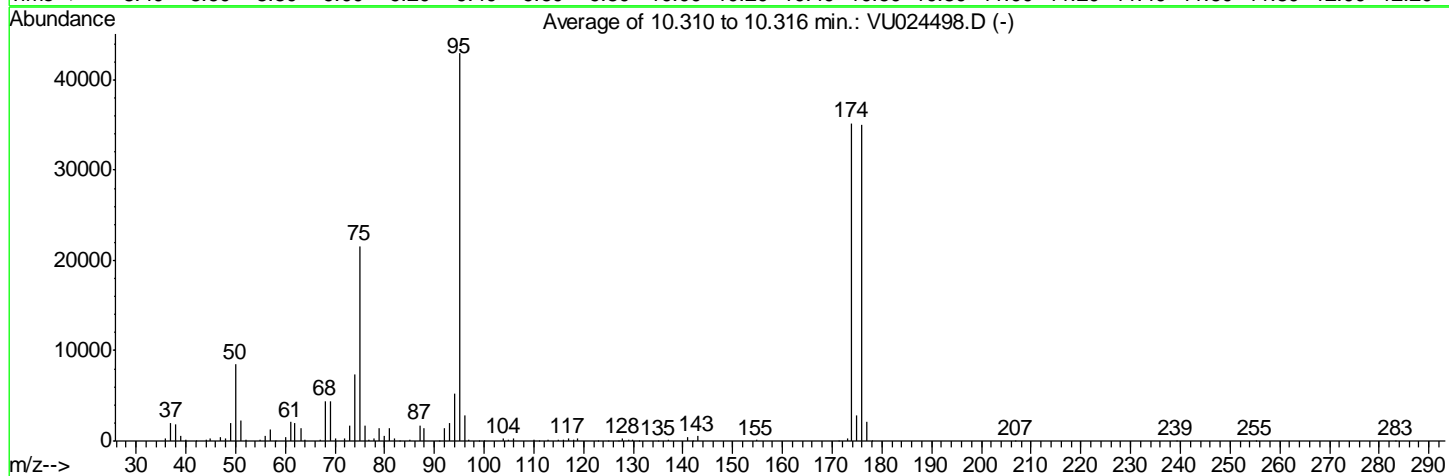
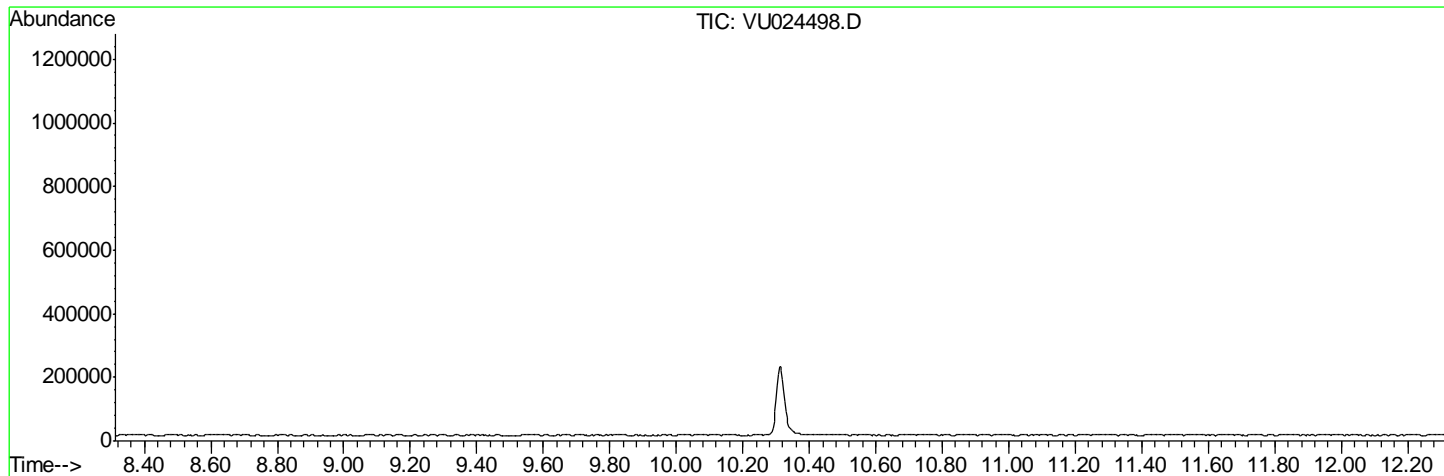
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Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU061318\
 Data File : VU024498.D
 Acq On : 13 Jun 2018 10:59
 Operator : MD/SY
 Sample : BFB
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Title : SW846 8260
 Last Update : Wed Jun 13 13:55:26 2018



AutoFind: Scans 3023, 3024, 3025; Background Corrected with Scan 3006

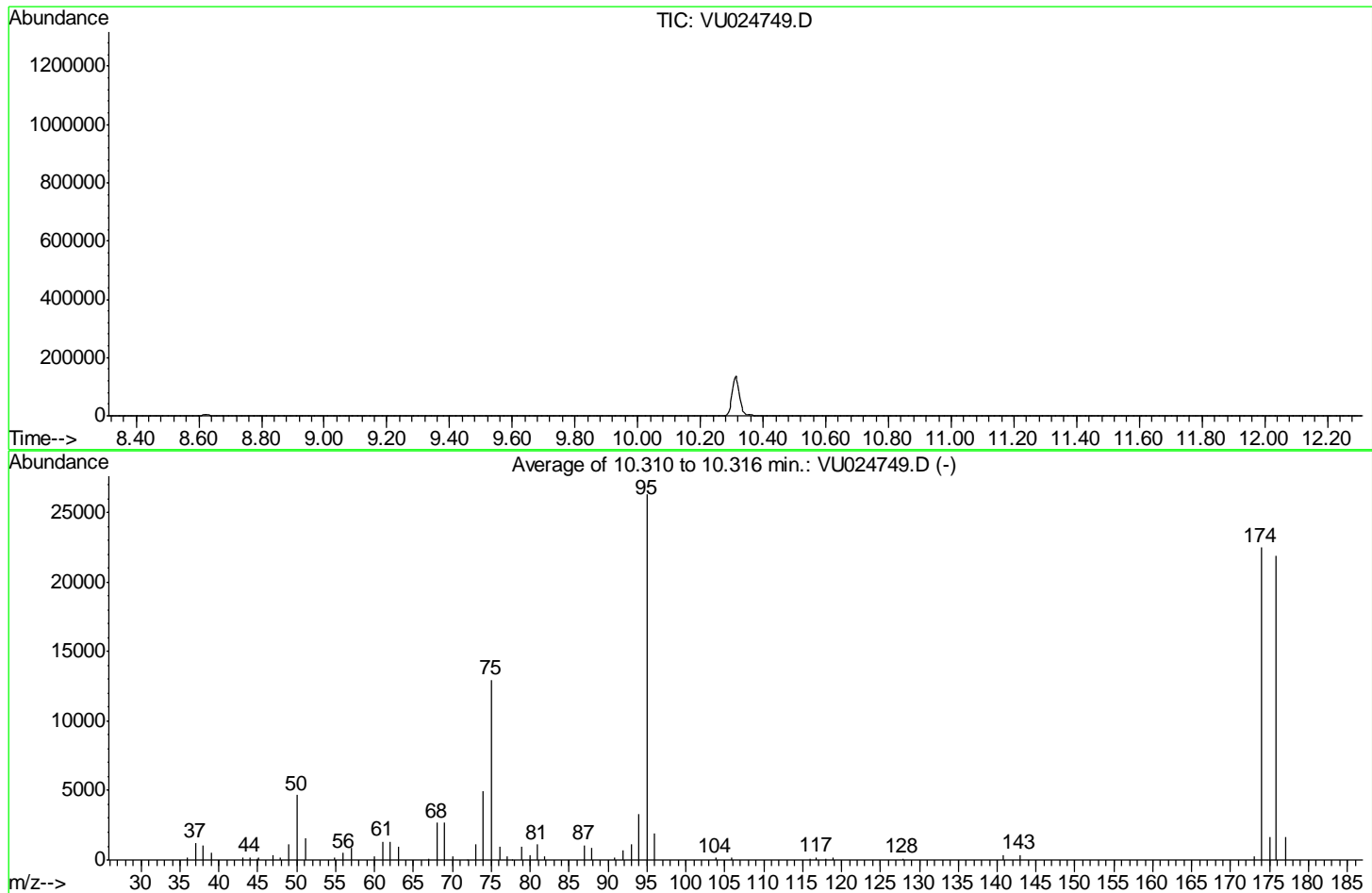
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	8496	PASS
75	95	30	60	50.2	21565	PASS
95	95	100	100	100.0	42933	PASS
96	95	5	9	6.6	2849	PASS
173	174	0.00	2	1.0	353	PASS
174	95	50	100	82.0	35224	PASS
175	174	5	9	8.0	2817	PASS
176	174	95	101	99.3	34984	PASS
177	176	5	9	6.2	2174	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU062018\
 Data File : VU024749.D
 Acq On : 20 Jun 2018 10:13
 Operator : MD/SY
 Sample : BFB
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Title : SW846 8260
 Last Update : Wed Jun 13 13:55:26 2018



AutoFind: Scans 3023, 3024, 3025; Background Corrected with Scan 3011

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	4673	PASS
75	95	30	60	49.4	12986	PASS
95	95	100	100	100.0	26304	PASS
96	95	5	9	7.2	1885	PASS
173	174	0.00	2	1.3	303	PASS
174	95	50	100	85.4	22461	PASS
175	174	5	9	7.2	1615	PASS
176	174	95	101	97.3	21853	PASS
177	176	5	9	7.5	1633	PASS



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VU0620WBL01	SDG No.:	J3577
Lab Sample ID:	VU0620WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024751.D	1		06/20/18 11:44	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VU0620WBL01	SDG No.:	J3577
Lab Sample ID:	VU0620WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024751.D	1		06/20/18 11:44	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.6		61 - 141		85%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	48		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	43		58 - 135		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	199567	4.99				
540-36-3	1,4-Difluorobenzene	312354	5.89				
3114-55-4	Chlorobenzene-d5	288131	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	154495	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VU0620WBL01	SDG No.:	J3577
Lab Sample ID:	VU0620WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024751.D	1		06/20/18 11:44	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024751.D
 Acq On : 20 Jun 2018 11:44
 Operator : MD/SY
 Sample : VU0620WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBL01

Quant Time: Jun 20 12:07:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	199567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	312354	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154495	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138724	42.58	ug/l	0.00
Spiked Amount						
						Recovery = 85.16%
35) Dibromofluoromethane	4.89	113	123326	47.57	ug/l	0.00
Spiked Amount						
						Recovery = 95.14%
50) Toluene-d8	7.57	98	453746	47.99	ug/l	0.00
Spiked Amount						
						Recovery = 95.98%
62) 4-Bromofluorobenzene	10.31	95	161482	43.01	ug/l	0.00
Spiked Amount						
						Recovery = 86.02%

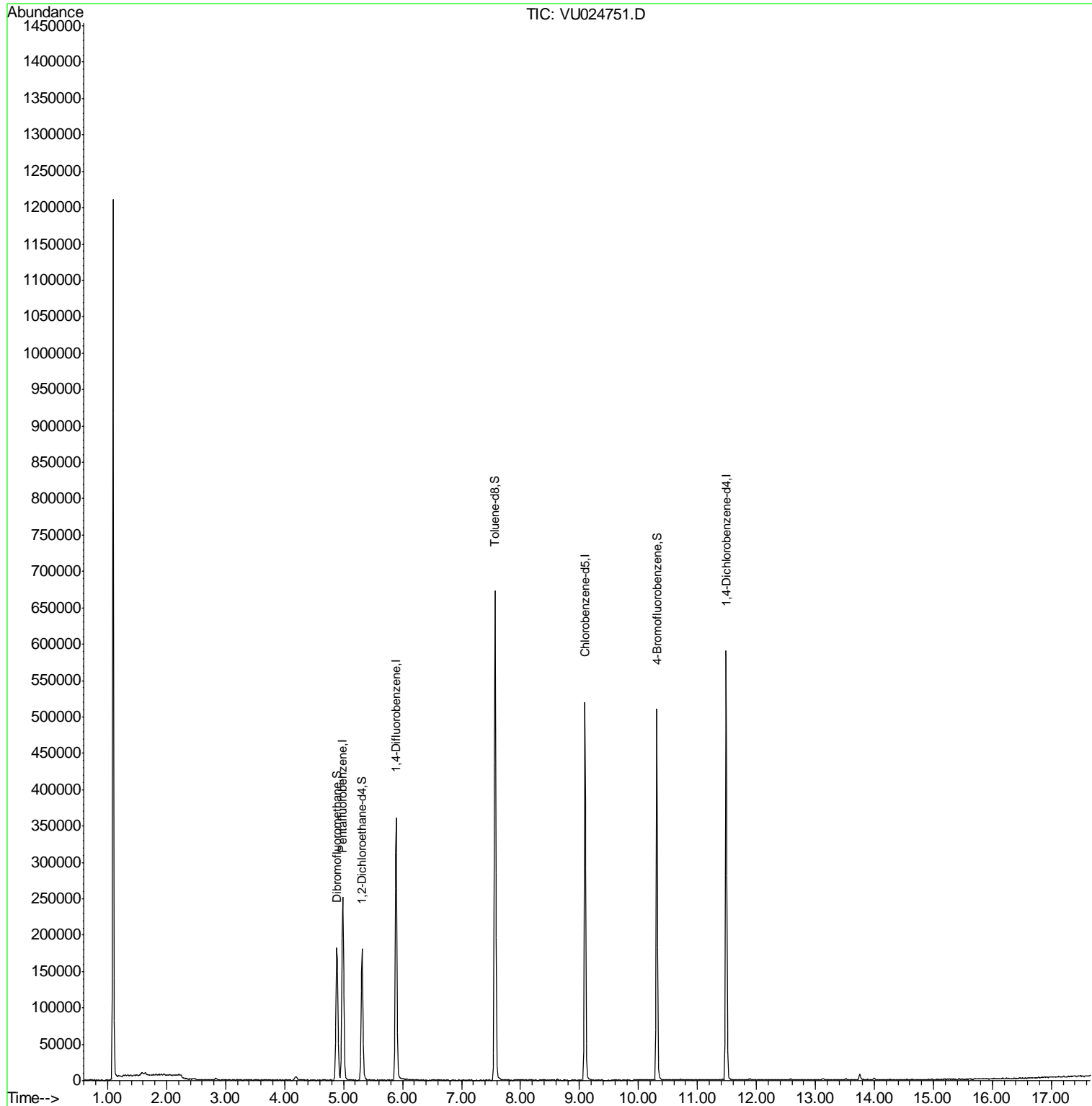
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

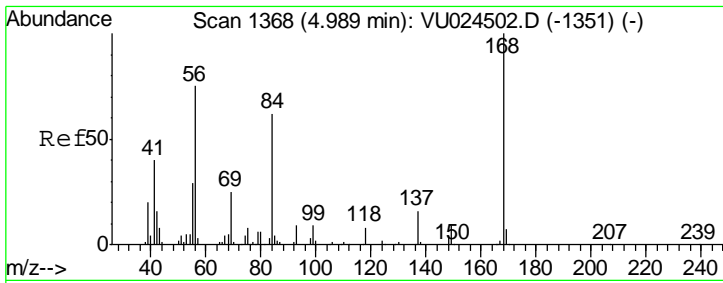
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 Operator : MD/SY
 Sample : VU0620WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBL01

Quant Time: Jun 20 12:07:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration



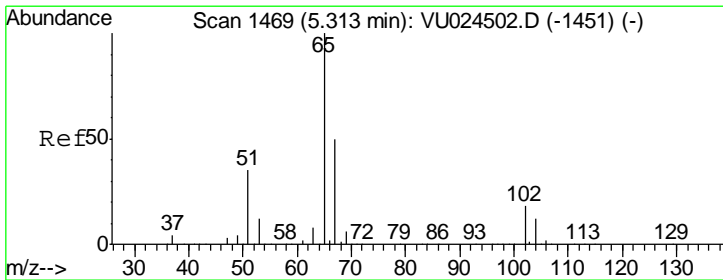
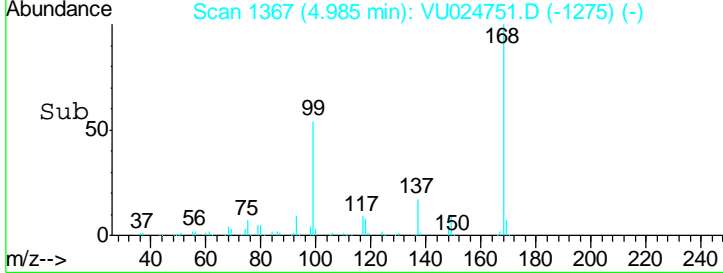
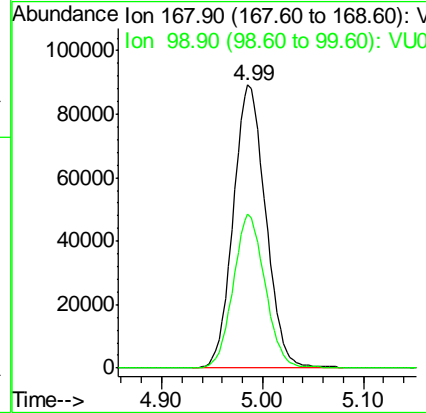
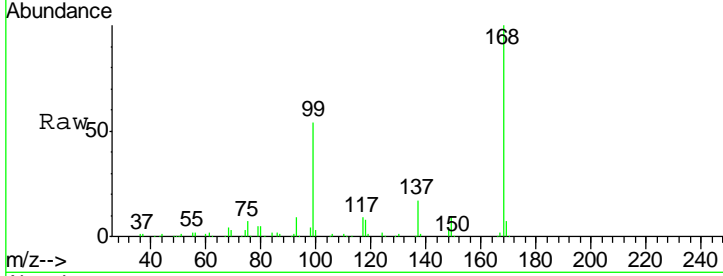
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VU024751.D
 Acq: 20 Jun 2018 11:44

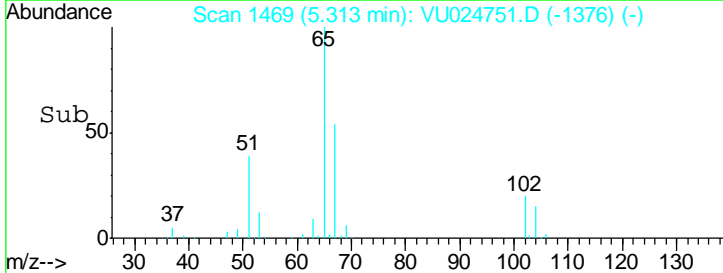
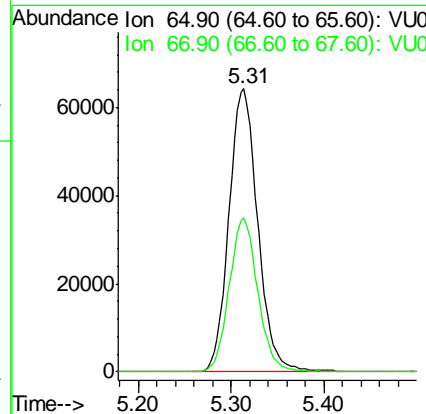
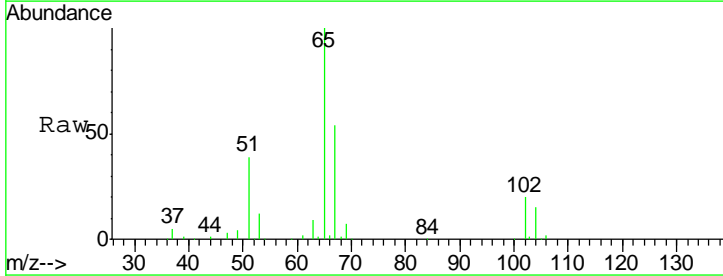
Instrument : MSVOA_U
 ClientSampleId : VU0620WBL01

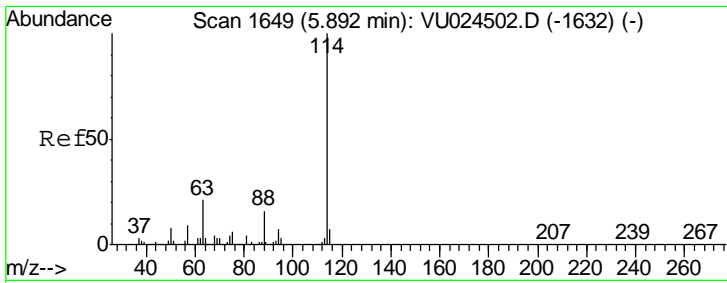
Tgt Ion	Resp	Lower	Upper
168	100		
99	54.2	43.2	64.8



#33
 1,2-Dichloroethane-d4
 Concen: 42.58 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024751.D
 Acq: 20 Jun 2018 11:44

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.7	0.0	107.0

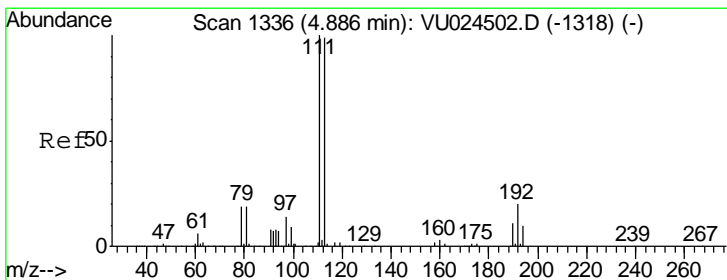
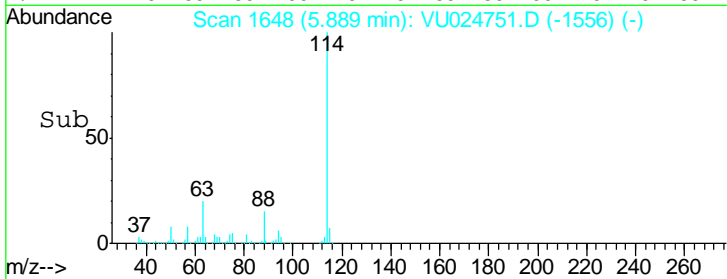
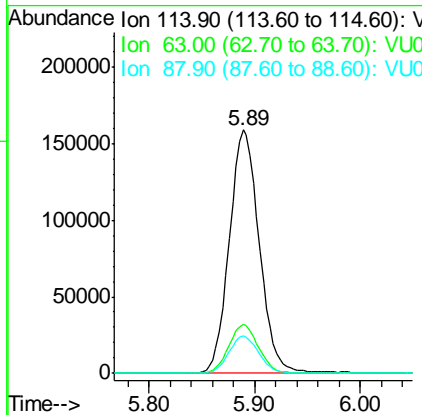
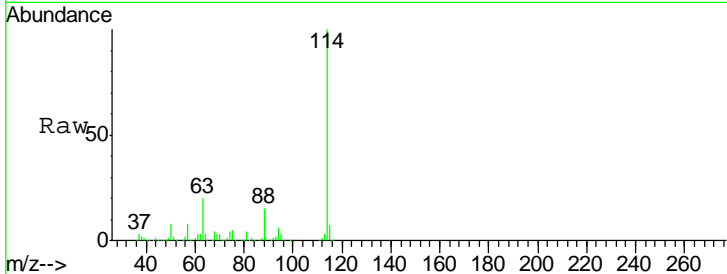




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024751.D
 Acq: 20 Jun 2018 11:44

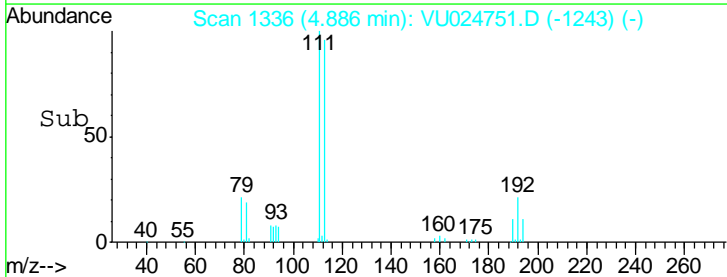
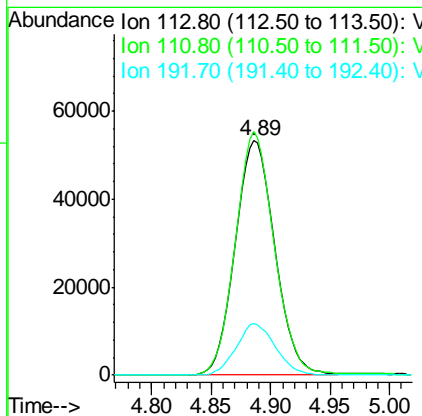
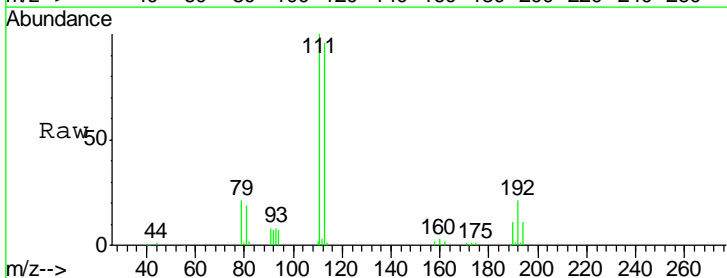
Instrument : MSVOA_U
 ClientSampled : VU0620WBL01

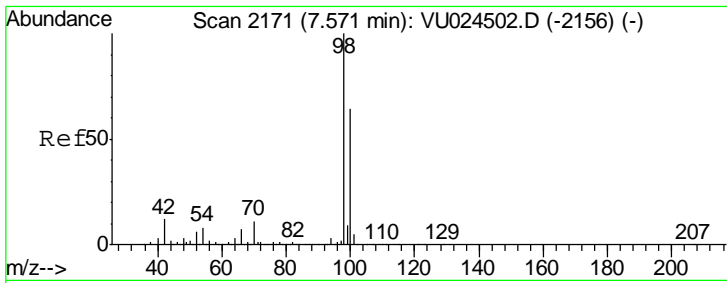
Tgt Ion	Resp	Lower	Upper
114	312354		
63	20.1	0.0	45.4
88	15.2	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 47.57 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024751.D
 Acq: 20 Jun 2018 11:44

Tgt Ion	Resp	Lower	Upper
113	123326		
111	101.5	82.2	123.4
192	21.7	16.2	24.4

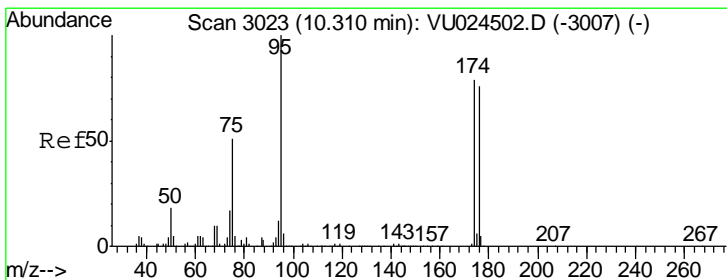
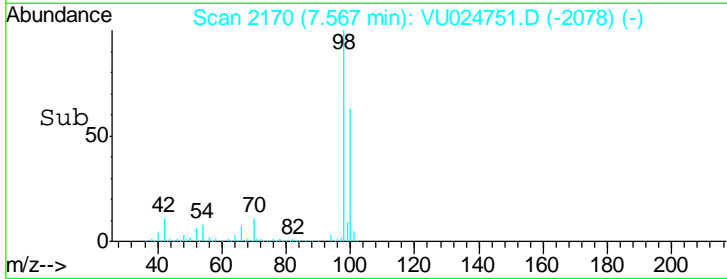
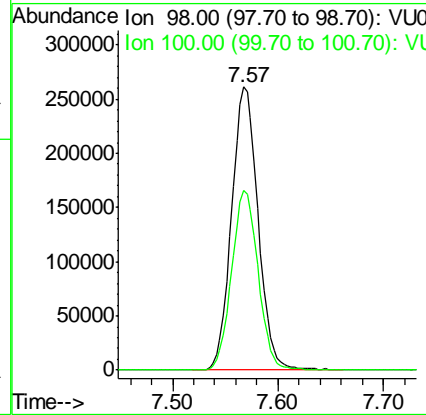
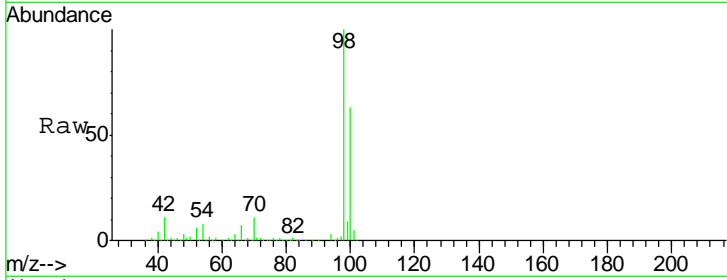




#50
 Toluene-d8
 Concen: 47.99 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024751.D
 Acq: 20 Jun 2018 11:44

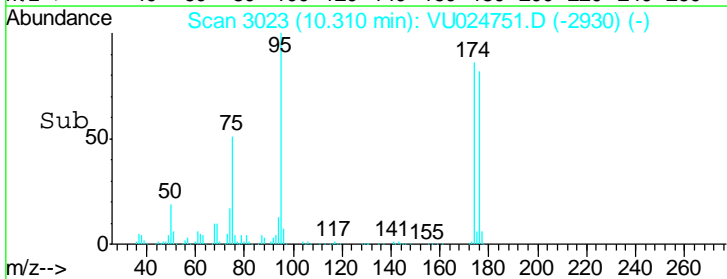
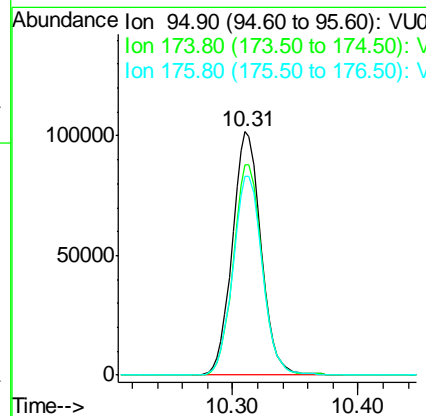
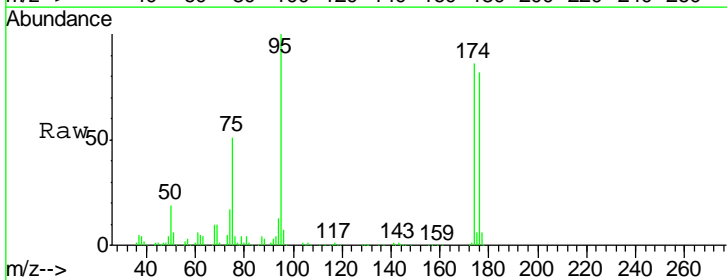
Instrument : MSVOA_U
 ClientSampled : VU0620WBL01

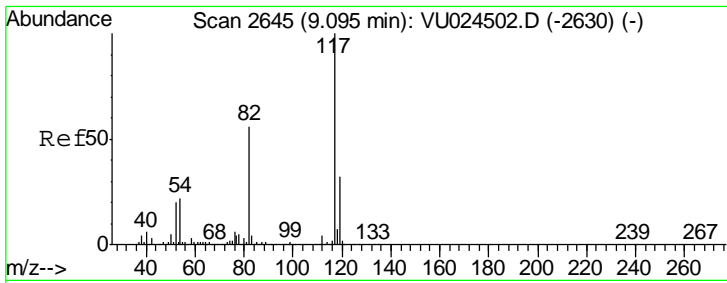
Tgt Ion	Resp	Lower	Upper
98	453746		
98	100		
100	63.5	51.1	76.7



#62
 4-Bromofluorobenzene
 Concen: 43.01 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024751.D
 Acq: 20 Jun 2018 11:44

Tgt Ion	Resp	Lower	Upper
95	161482		
95	100		
174	86.7	0.0	165.8
176	83.7	0.0	159.4

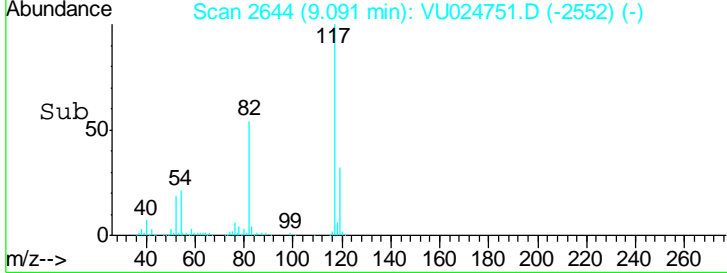
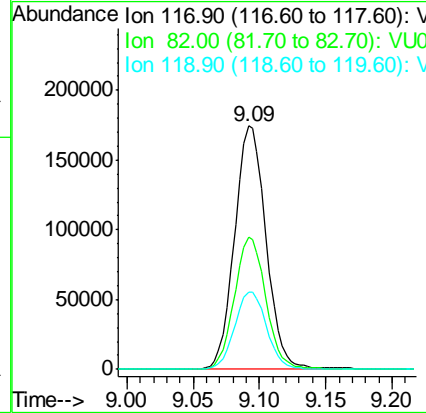
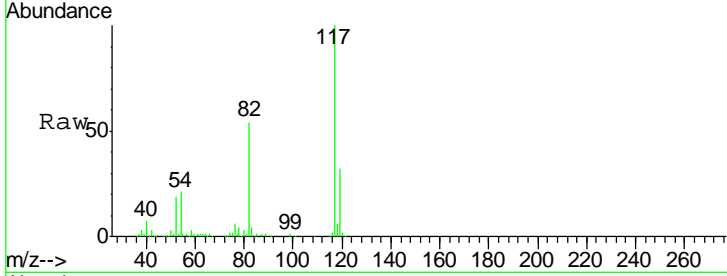




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VU024751.D
 Acq: 20 Jun 2018 11:44

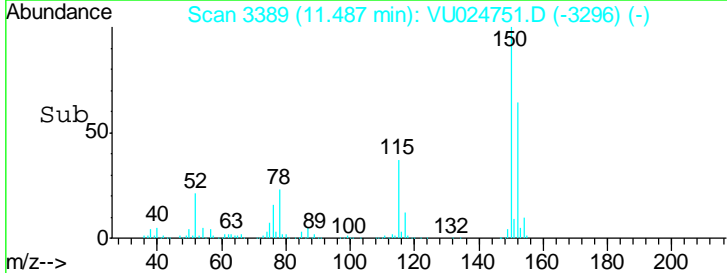
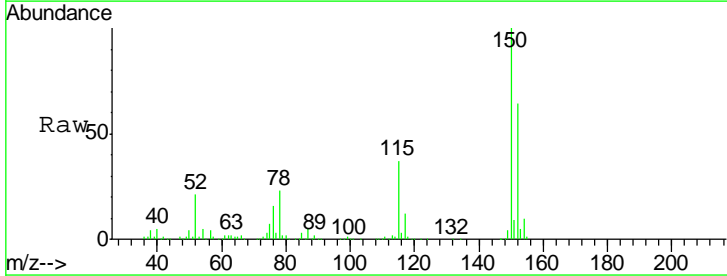
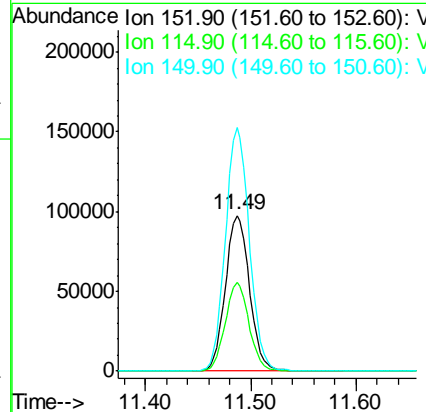
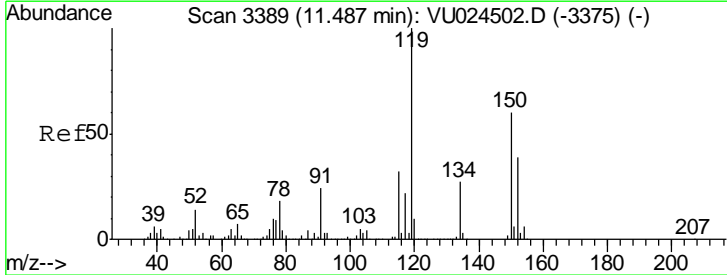
Instrument : MSVOA_U
 ClientSampled : VU0620WBL01

Tgt Ion	Resp	Lower	Upper
117	288131		
82	54.1	44.3	66.5
119	31.6	25.4	38.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024751.D
 Acq: 20 Jun 2018 11:44

Tgt Ion	Resp	Lower	Upper
152	154495		
115	56.1	43.0	129.0
150	155.3	0.0	354.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024751.D
 Acq On : 20 Jun 2018 11:44
 Operator : MD/SY
 Sample : VU0620WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBL01

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.089	140	155	180	rBV	1210788	1387502	100.00%	19.192%
2	4.886	1317	1336	1352	rBV	182653	413294	29.79%	5.717%
3	4.985	1353	1367	1389	rVB	250797	555264	40.02%	7.680%
4	5.313	1453	1469	1492	rBV	180884	388576	28.01%	5.375%
5	5.889	1631	1648	1669	rBV	361446	712482	51.35%	9.855%
6	7.567	2155	2170	2189	rBV	673307	1175185	84.70%	16.255%
7	9.091	2631	2644	2665	rBV	520262	860754	62.04%	11.906%
8	10.310	3011	3023	3049	rBV	509823	807120	58.17%	11.164%
9	11.487	3377	3389	3407	rBV	590377	929550	66.99%	12.857%

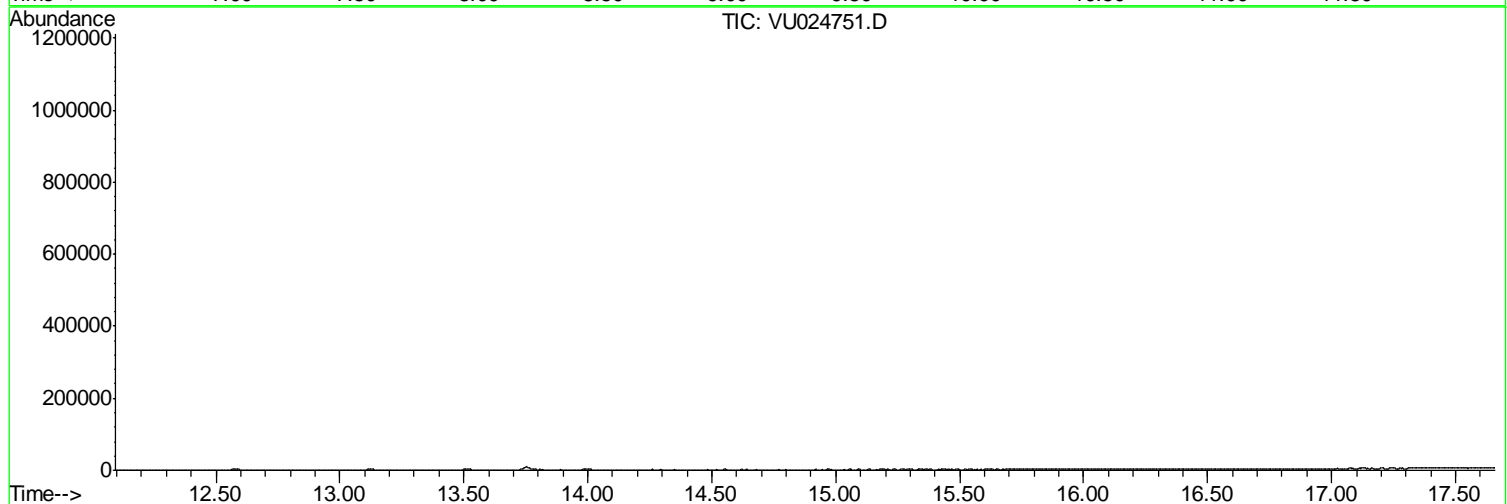
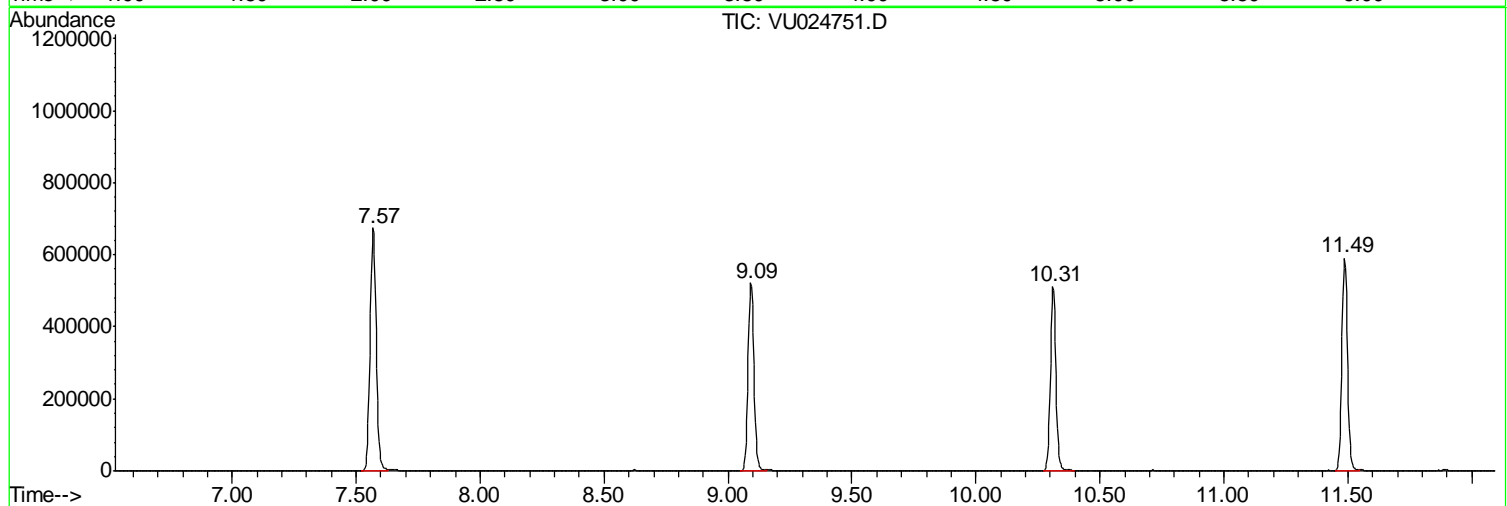
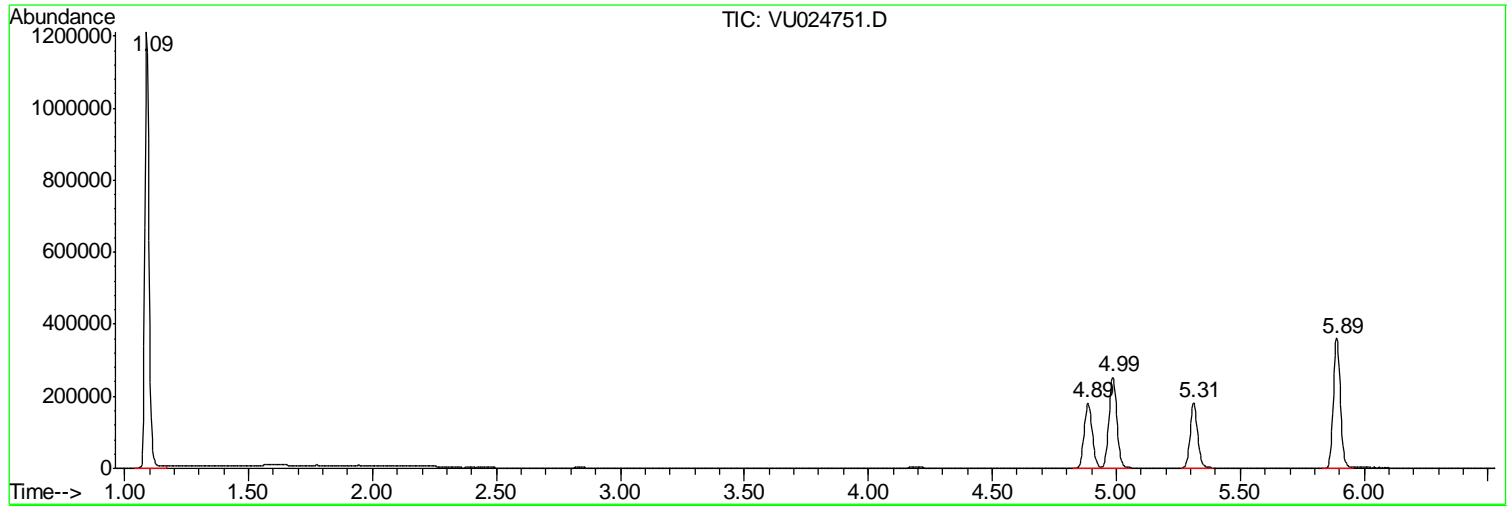
Sum of corrected areas: 7229727

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024751.D
Acq On : 20 Jun 2018 11:44
Operator : MD/SY
Sample : VU0620WBL01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
VU0620WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
Data File : VU024751.D
Acq On : 20 Jun 2018 11:44
Operator : MD/SY
Sample : VU0620WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024751.D
 Acq On : 20 Jun 2018 11:44
 Operator : MD/SY
 Sample : VU0620WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VU0620WBS01	SDG No.:	J3577
Lab Sample ID:	VU0620WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024752.D	1		06/20/18 12:56	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	16.9		0.2	0.2	1	ug/L
74-87-3	Chloromethane	18.4		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	18.2		0.2	0.2	1	ug/L
74-83-9	Bromomethane	24.1		0.2	0.2	1	ug/L
75-00-3	Chloroethane	20		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	18.7		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.3		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	17.3		0.2	0.2	1	ug/L
67-64-1	Acetone	87.6		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	16.6		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	17.8		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	19.6		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	17.8		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	17.5		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	17.4		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	17.1		0.2	0.2	1	ug/L
78-93-3	2-Butanone	94.5		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	17.4		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	17.9		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	18.7		0.2	0.5	1	ug/L
67-66-3	Chloroform	17.8		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	17		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	17.5		0.2	0.2	1	ug/L
71-43-2	Benzene	18.5		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	18.2		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	17.3		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	18.9		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	17.9		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	97.5		1	1	5	ug/L
108-88-3	Toluene	18.7		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	17.8		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.4		0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VU0620WBS01	SDG No.:	J3577
Lab Sample ID:	VU0620WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024752.D	1		06/20/18 12:56	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	19.3		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	96.2		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	17.4		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	18.4		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	17.3		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	18.7		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	18.2		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	37.3		0.4	0.4	2	ug/L
95-47-6	o-Xylene	18.8		0.2	0.2	1	ug/L
100-42-5	Styrene	18.2		0.2	0.2	1	ug/L
75-25-2	Bromoform	17.7		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	18.8		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	18.4		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.6		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.3		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.7		61 - 141		85%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		69 - 133		94%	SPK: 50
2037-26-5	Toluene-d8	46.7		65 - 126		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.3		58 - 135		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	174388	4.99				
540-36-3	1,4-Difluorobenzene	263596	5.89				
3114-55-4	Chlorobenzene-d5	246105	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	144534	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VU0620WBS01	SDG No.:	J3577
Lab Sample ID:	VU0620WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024752.D	1		06/20/18 12:56	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024752.D
 Acq On : 20 Jun 2018 12:56
 Operator : MD/SY
 Sample : VU0620WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VU0620WBS01

Manual Integrations
 APPROVED

apatel
 6/21/2018 1:44:34 PM

Quant Time: Jun 20 15:03:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	174388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	263596	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	246105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	121565	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
35) Dibromofluoromethane	4.89	113	103054	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
50) Toluene-d8	7.57	98	372739	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
62) 4-Bromofluorobenzene	10.31	95	140498	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	36795	16.86	ug/l	100
3) Chloromethane	1.33	50	41076	18.42	ug/l	99
4) Vinyl Chloride	1.40	62	41827	18.19	ug/l	98
5) Bromomethane	1.63	94	26805	24.11	ug/l	97
6) Chloroethane	1.70	64	26476	19.97	ug/l	97
7) Trichlorofluoromethane	1.89	101	65680	18.71	ug/l	100
8) Diethyl Ether	2.10	74	25495	20.22	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37759	17.34	ug/l	96
10) Methyl Iodide	2.41	142	32231	20.93	ug/l	95
11) Tert butyl alcohol	2.82	59	59530	85.98	ug/l	100
12) 1,1-Dichloroethene	2.29	96	34267	17.26	ug/l	95
13) Acrolein	2.19	56	31932	87.82	ug/l	98
14) Allyl chloride	2.60	41	59585	16.16	ug/l	98
15) Acrylonitrile	2.94	53	129843	96.38	ug/l	99
16) Acetone	2.32	43	133961	87.58	ug/l	94
17) Carbon Disulfide	2.48	76	105273	16.56	ug/l	98
18) Methyl Acetate	2.62	43	64402	19.64	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	133169	17.84	ug/l	99
20) Methylene Chloride	2.71	84	42748	17.81	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	38249	17.49	ug/l	89
22) Diisopropyl ether	3.57	45	134024	18.34	ug/l	95
23) Vinyl Acetate	3.53	43	593999	90.73	ug/l	99
24) 1,1-Dichloroethane	3.45	63	73116	17.39	ug/l	99
25) 2-Butanone	4.26	43	194079	94.46	ug/l	97
26) 2,2-Dichloropropane	4.23	77	66992	16.78	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	44887	17.85	ug/l	97
28) Bromochloromethane	4.55	49	34564	18.66	ug/l	87
29) Tetrahydrofuran	4.64	42	118455	93.10	ug/l	97
30) Chloroform	4.68	83	75654	17.78	ug/l	98
31) Cyclohexane	5.00	56	68666	17.09	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	66890	17.00	ug/l	95
36) 1,1-Dichloropropene	5.14	75	53655	17.32	ug/l	96
37) Ethyl Acetate	4.38	43	67963	20.13	ug/l #	95
38) Carbon Tetrachloride	5.14	117	59434	17.45	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024752.D
 Acq On : 20 Jun 2018 12:56
 Operator : MD/SY
 Sample : VU0620WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VU0620WBS01

Manual Integrations
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Quant Time: Jun 20 15:03:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	67624	17.49	ug/l	95
40) Benzene	5.39	78	162994	18.47	ug/l	100
41) Methacrylonitrile	4.54	41	37705	20.71	ug/l	97
42) 1,2-Dichloroethane	5.41	62	61293	18.23	ug/l	99
43) Isopropyl Acetate	5.55	43	107543	18.43	ug/l	97
44) Trichloroethene	6.19	130	43442	17.29	ug/l	97
45) 1,2-Dichloropropane	6.44	63	44511	18.90	ug/l	97
46) Dibromomethane	6.56	93	32238	19.49	ug/l	96
47) Bromodichloromethane	6.76	83	59119	17.95	ug/l	97
48) Methyl methacrylate	6.63	41	53974	18.99	ug/l	98
49) 1,4-Dioxane	6.62	88	26801	482.29	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	357393	97.48	ug/l	97
52) Toluene	7.64	92	106458	18.75	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	65725	17.77	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	68495	17.38	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	44577	19.31	ug/l	99
56) Ethyl methacrylate	8.02	69	74722	19.34	ug/l	98
57) 1,3-Dichloropropane	8.25	76	75014	19.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	127244	85.97	ug/l	94
59) 2-Hexanone	8.36	43	287920	96.19	ug/l	99
60) Dibromochloromethane	8.48	129	50043	17.39	ug/l	98
61) 1,2-Dibromoethane	8.59	107	47149	18.35	ug/l	96
64) Tetrachloroethene	8.23	164	40367	17.26	ug/l	99
65) Chlorobenzene	9.12	112	117542	18.70	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	44976	18.83	ug/l	99
67) Ethyl Benzene	9.25	91	200530	18.19	ug/l	98
68) m/p-Xylenes	9.38	106	158010	37.33	ug/l	94
69) o-Xylene	9.78	106	78750	18.80	ug/l	94
70) Styrene	9.80	104	125494	18.23	ug/l	100
71) Bromoform	9.96	173	40089	17.66	ug/l #	99
73) Isopropylbenzene	10.17	105	208399	18.78	ug/l	100
74) N-amyl acetate	10.01	43	96698	18.32	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	74432	20.02	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	61733m	19.40	ug/l	
77) Bromobenzene	10.45	156	53879	19.18	ug/l	93
78) n-propylbenzene	10.59	91	233468	17.86	ug/l	97
79) 2-Chlorotoluene	10.66	91	140114	18.18	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	177714	18.48	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	21527m	15.66	ug/l	
82) 4-Chlorotoluene	10.78	91	160574	17.90	ug/l	99
83) tert-Butylbenzene	11.10	119	177544	19.19	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	181019	18.47	ug/l	100
85) sec-Butylbenzene	11.33	105	209986	18.13	ug/l	98
86) p-Isopropyltoluene	11.48	119	183570	17.70	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	95350	18.37	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	96079	18.39	ug/l	99
89) n-Butylbenzene	11.89	91	153427	16.66	ug/l	97
90) Hexachloroethane	12.15	117	32211	15.92	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	98077	18.87	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19670	19.17	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024752.D
 Acq On : 20 Jun 2018 12:56
 Operator : MD/SY
 Sample : VU0620WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBS01

Manual Integrations
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Quant Time: Jun 20 15:03:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	66189	20.62	ug/l	98
94) Hexachlorobutadiene	13.70	225	32076	17.75	ug/l	98
95) Naphthalene	13.75	128	224065	21.48	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	68027	21.27	ug/l	99

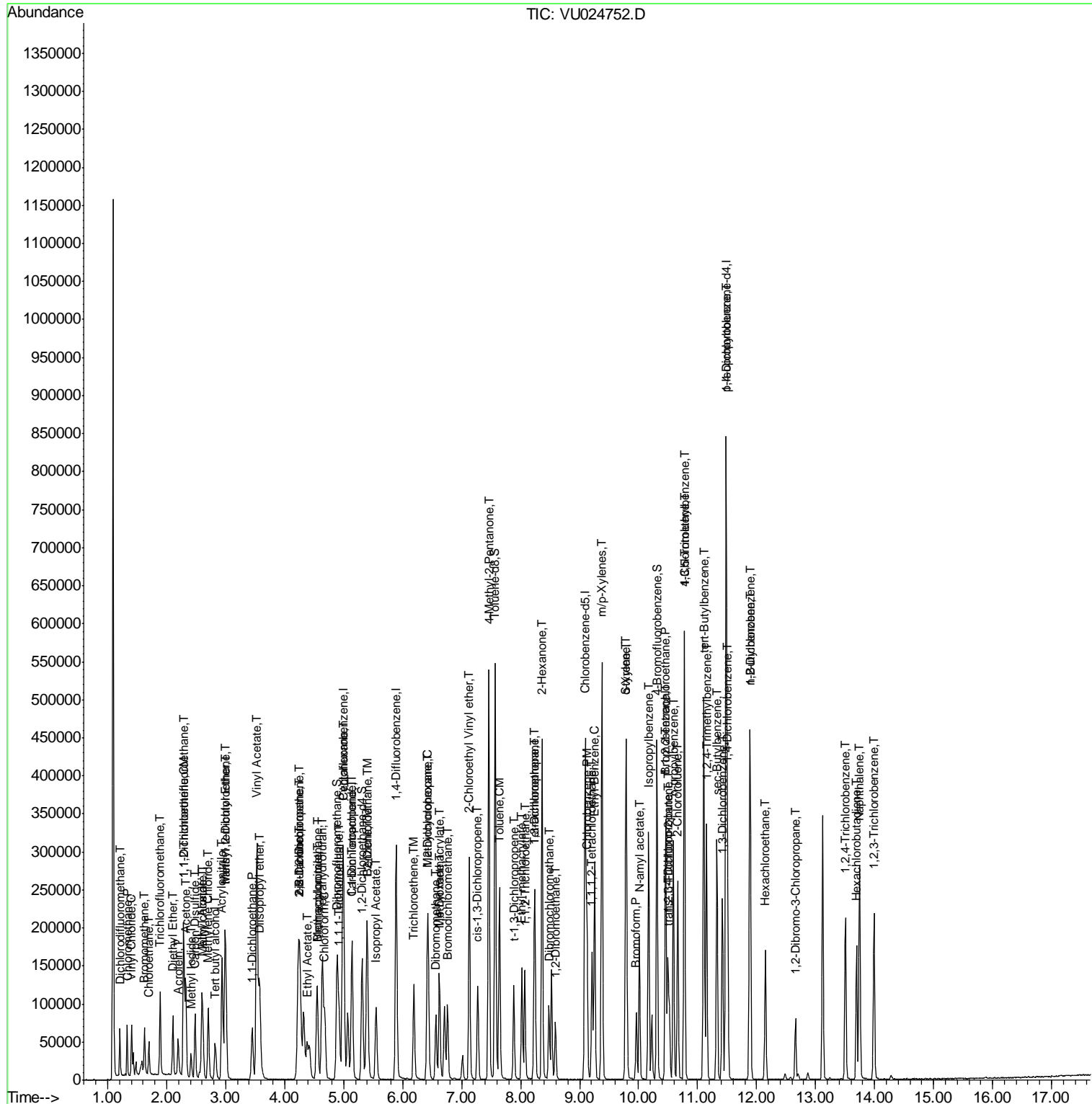
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024752.D
 Acq On : 20 Jun 2018 12:56
 Operator : MD/SY
 Sample : VU0620WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

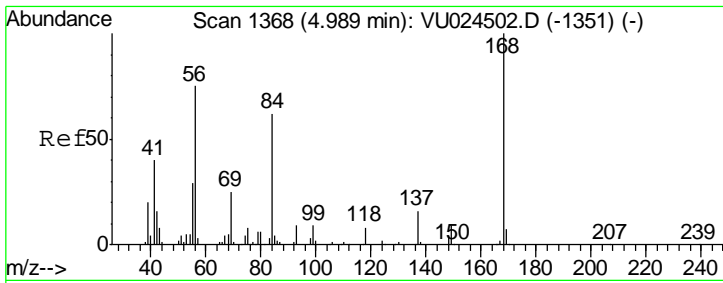
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 Client Sampled : VU0620WBS01

Quant Time: Jun 20 15:03:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

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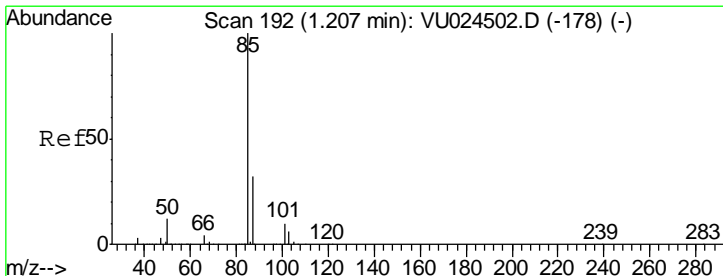
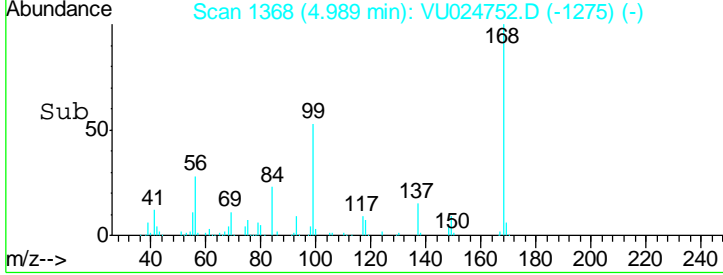
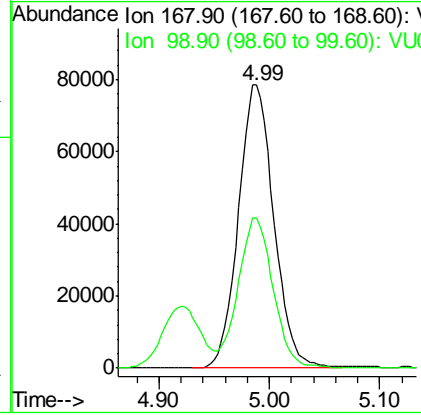
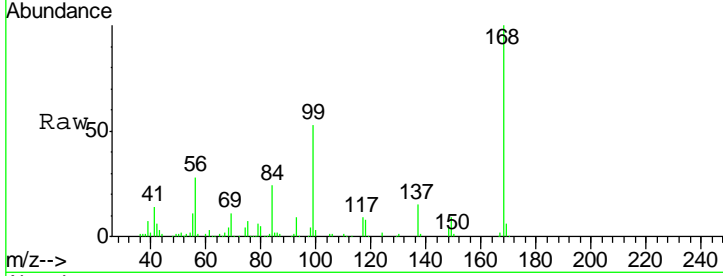


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
168	174388		
99	52.7	43.2	64.8

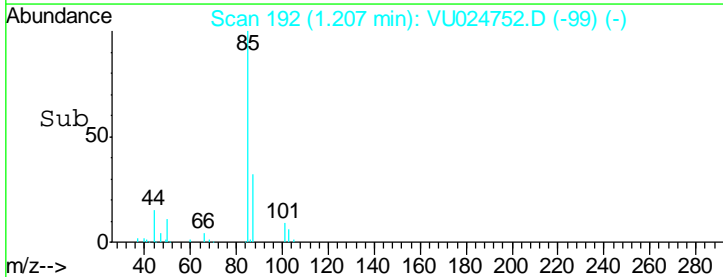
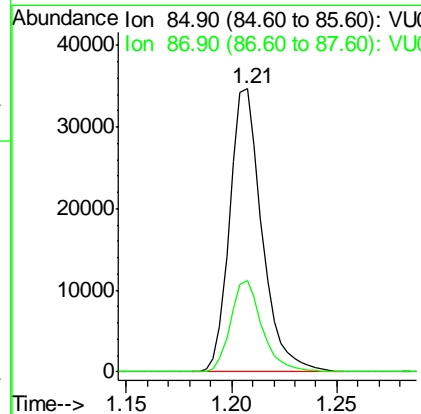
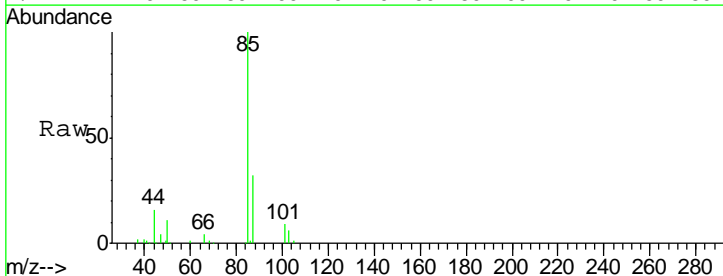
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

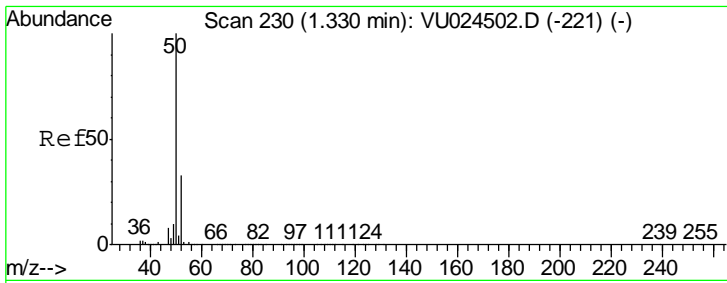
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#2
 Dichlorodifluoromethane
 Concen: 16.86 ug/l
 RT: 1.21 min Scan# 192
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
85	36795		
87	32.3	16.1	48.2



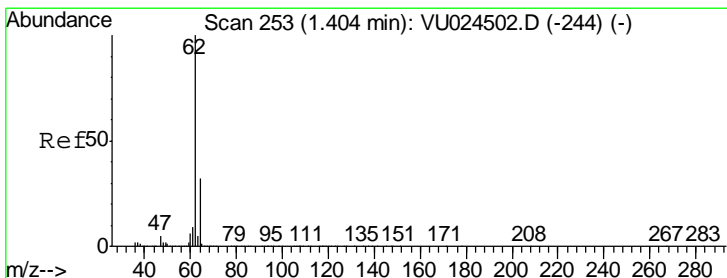
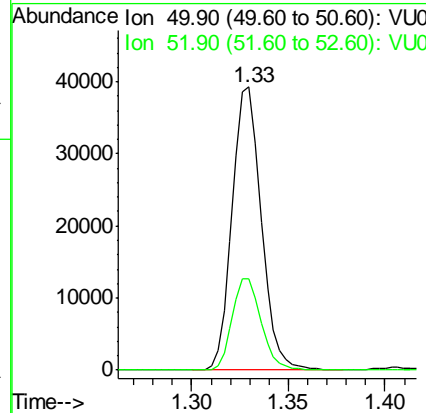
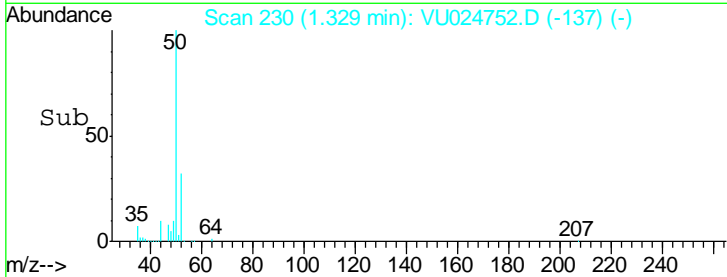
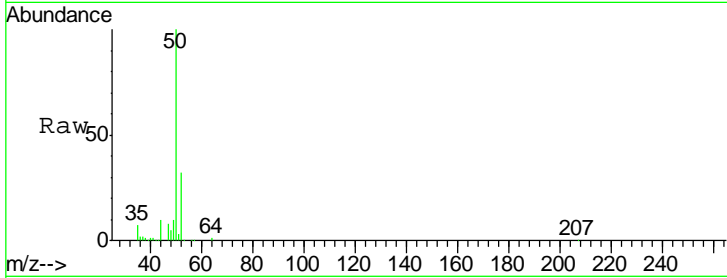


#3
 Chloromethane
 Concen: 18.42 ug/l
 RT: 1.33 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
50	41076		
50	100		
52	32.3	26.4	39.6

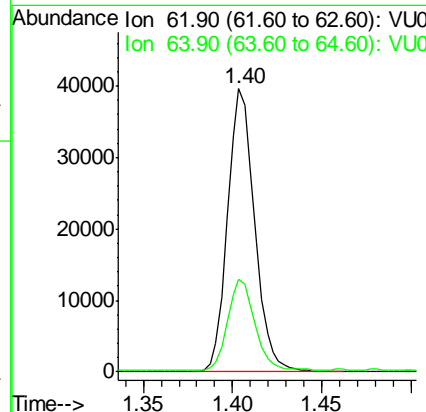
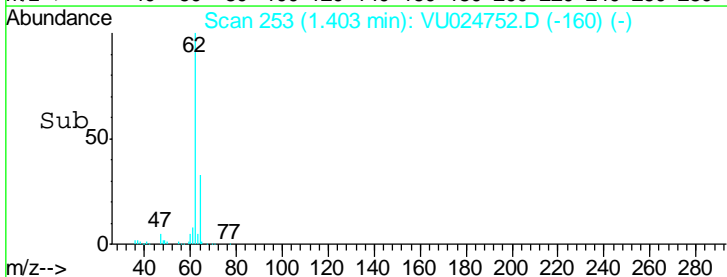
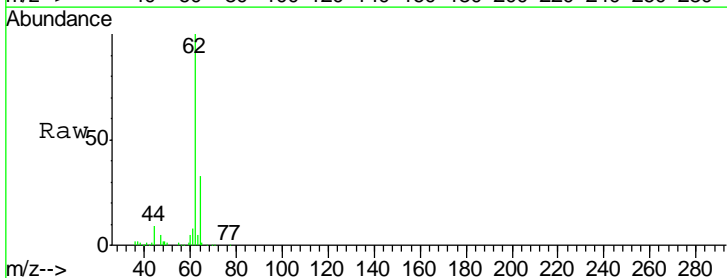
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 Client Sampled : VU0620WBS01

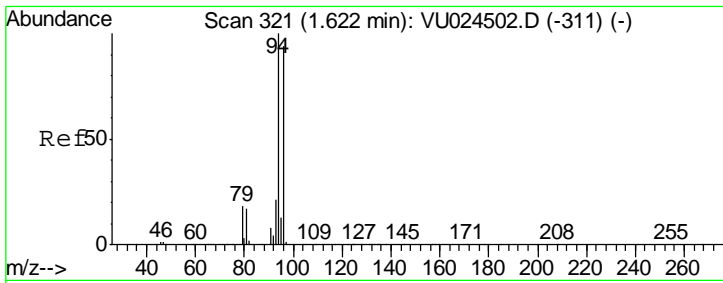
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#4
 Vinyl Chloride
 Concen: 18.19 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
62	41827		
62	100		
64	32.0	24.8	37.2



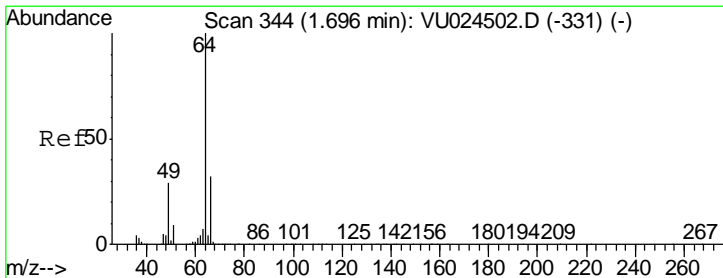
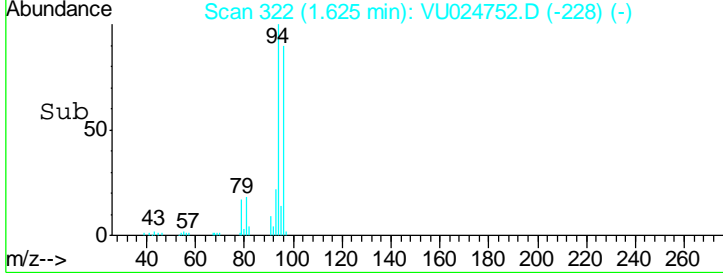
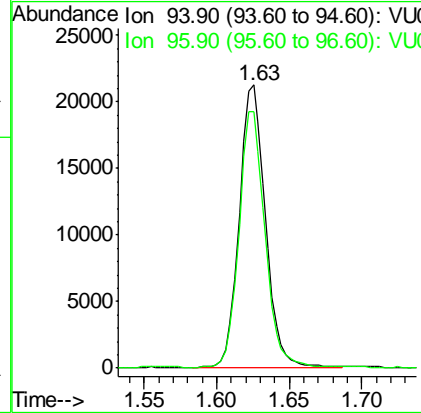
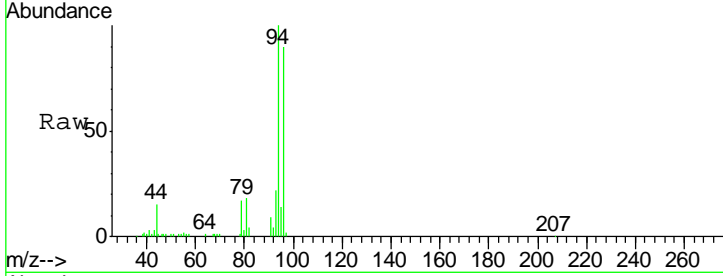


#5
 Bromomethane
 Concen: 24.11 ug/l
 RT: 1.63 min Scan# 322
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
94	26805		
94	100		
96	90.4	74.5	111.7

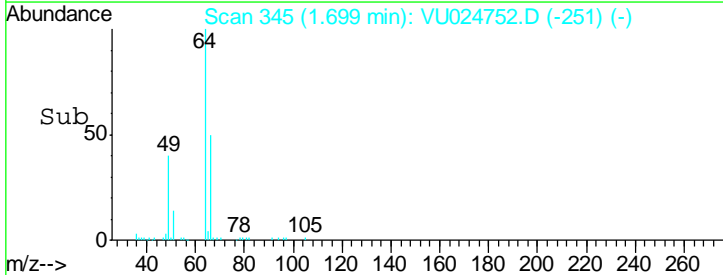
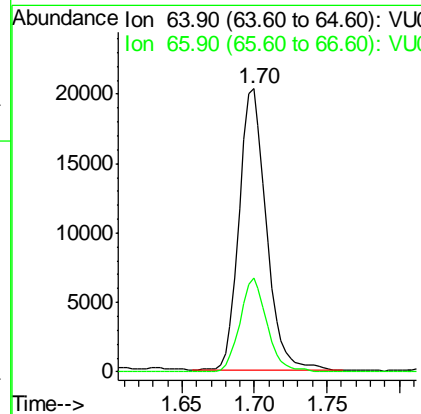
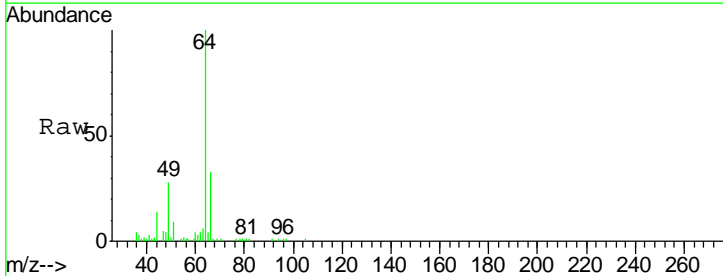
Instrument : MSVOA_U
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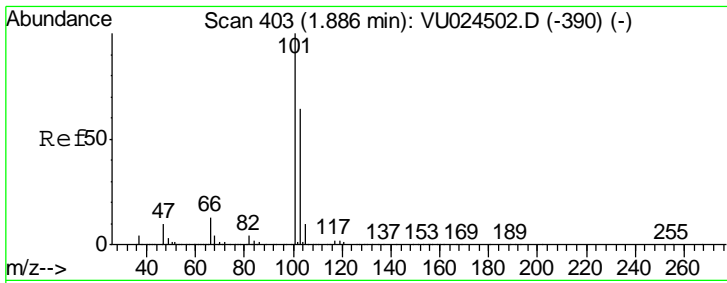
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 19.97 ug/l
 RT: 1.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
64	26476		
64	100		
66	33.3	25.5	38.3



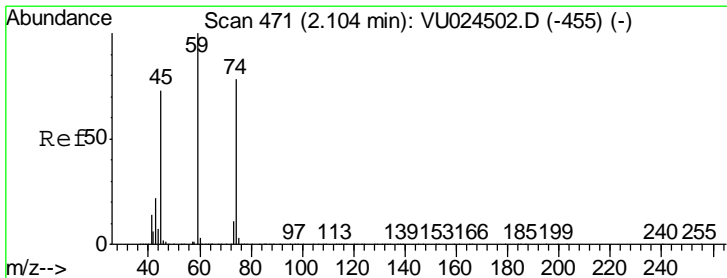
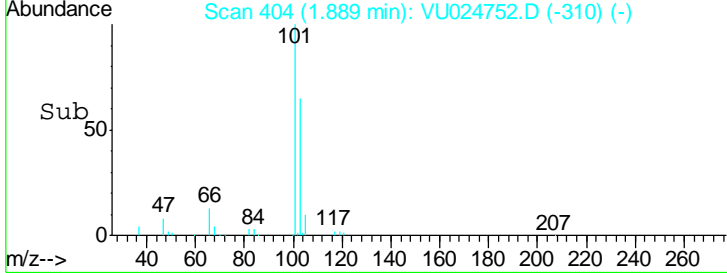
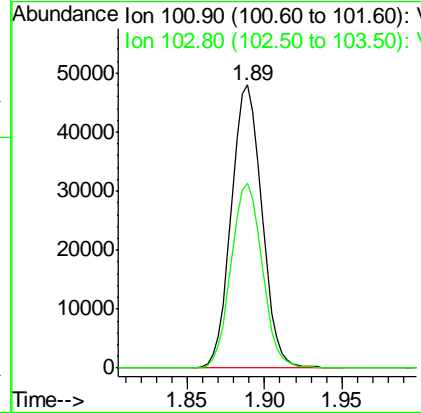
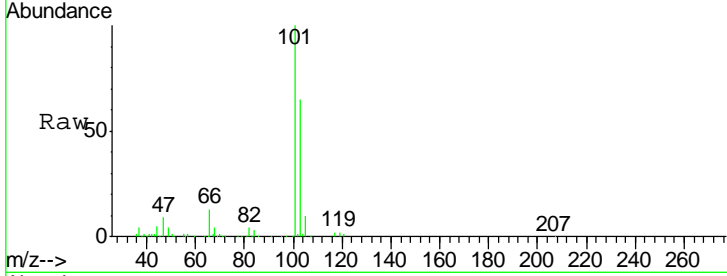


#7
 Trichlorofluoromethane
 Concen: 18.71 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
101	65680		
103	65.3	52.3	78.5

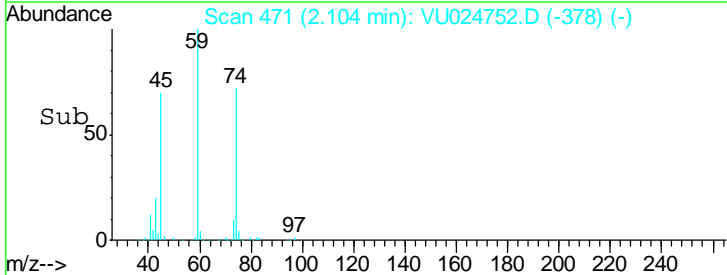
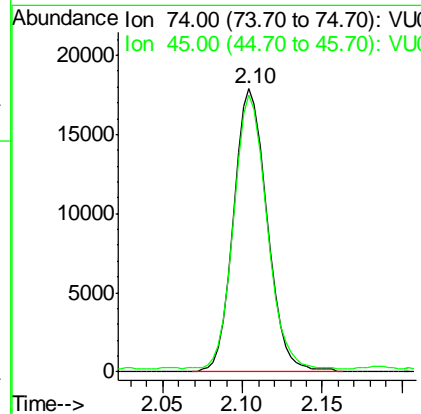
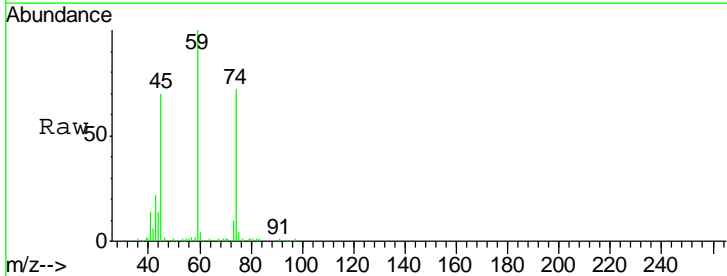
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

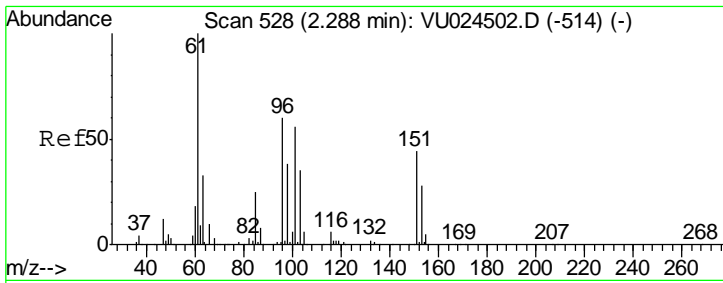
Manual Integrations APPROVED
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#8
 Diethyl Ether
 Concen: 20.22 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

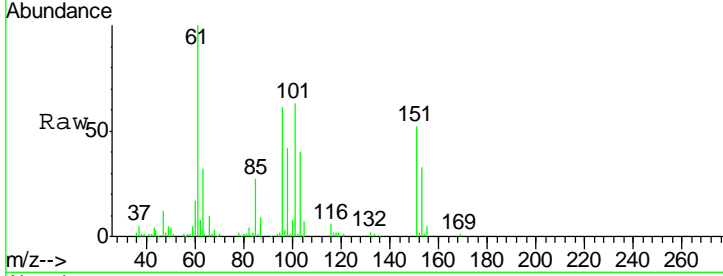
Tgt Ion	Resp	Lower	Upper
74	25495		
45	95.7	55.0	165.0





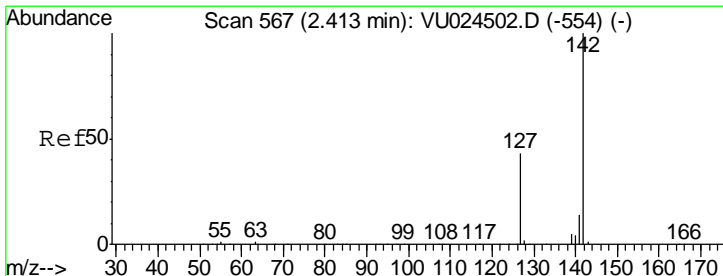
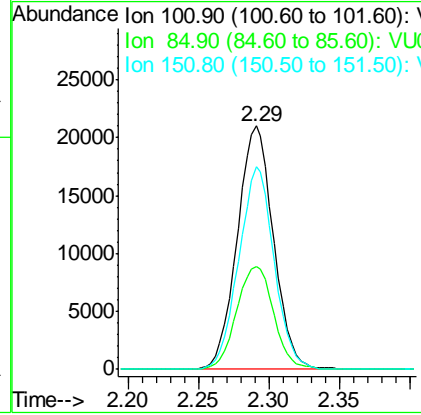
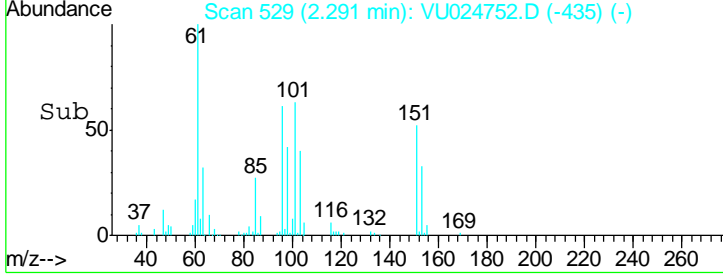
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.34 ug/l
 RT: 2.29 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

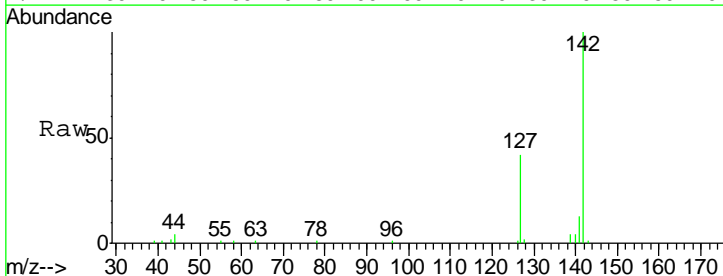


Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.1	36.0	54.0
151	81.3	62.3	93.5

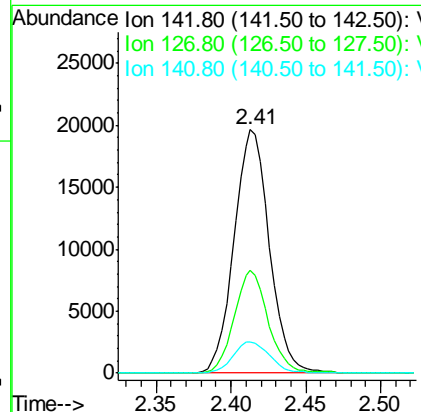
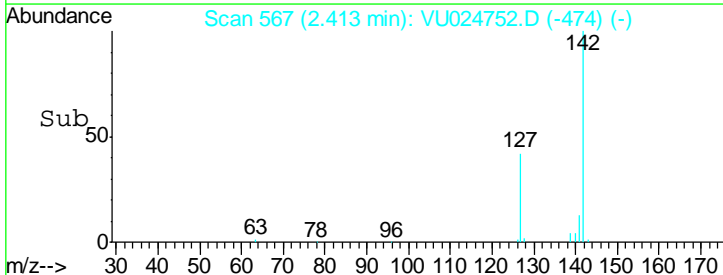
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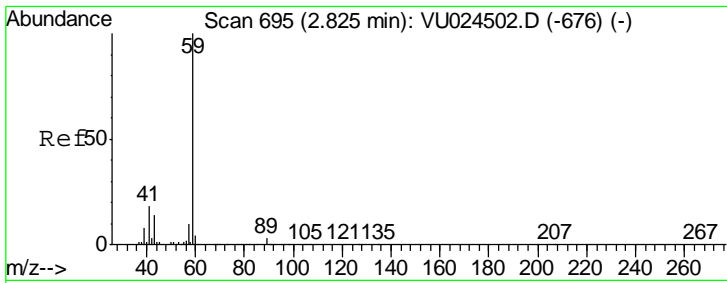


#10
 Methyl Iodide
 Concen: 20.93 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56



Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.6	35.6	53.4
141	13.3	11.7	17.5



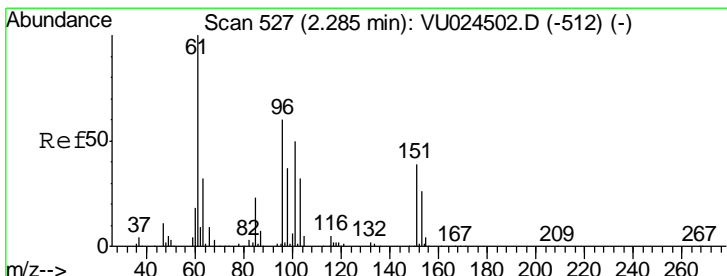
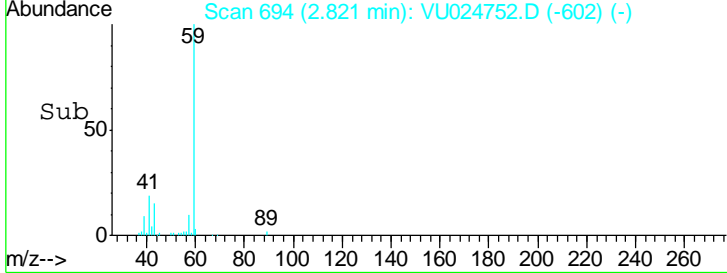
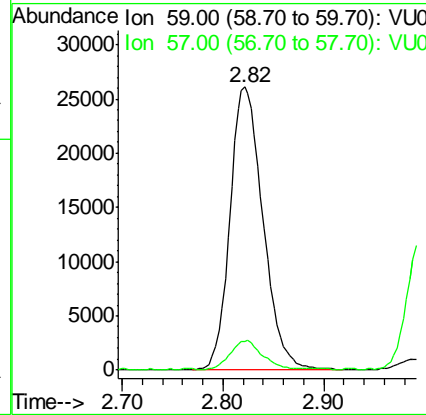
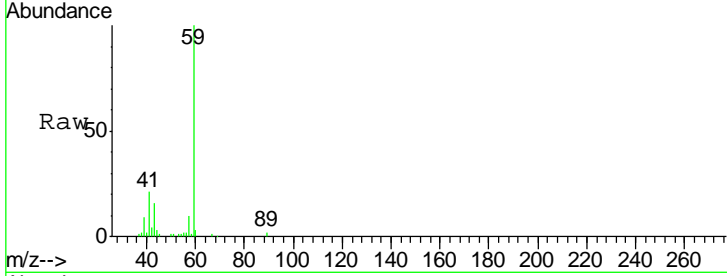


#11
 Tert butyl alcohol
 Concen: 85.98 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
59	59530		
57	10.6	8.5	12.7

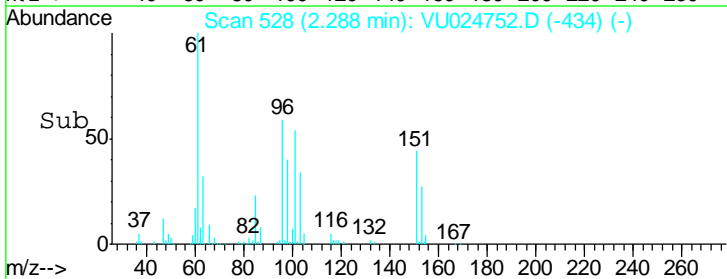
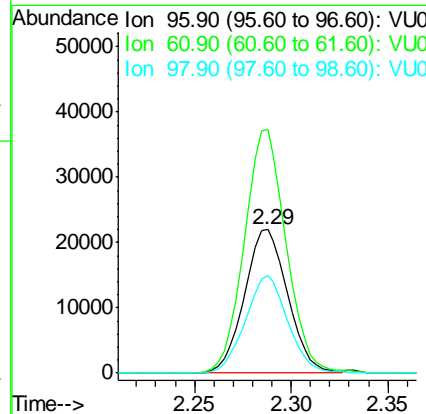
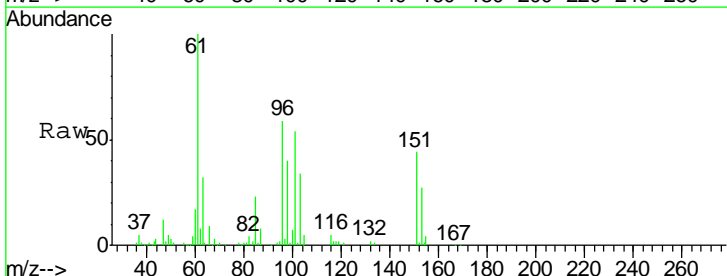
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

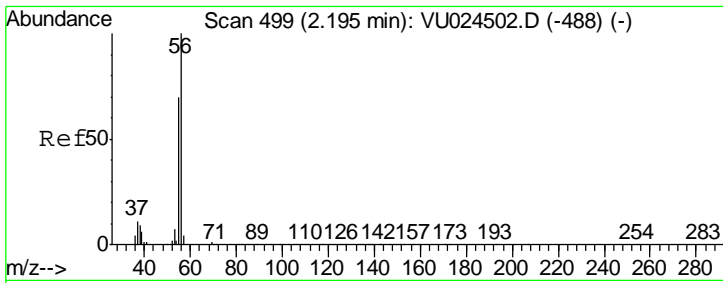
Manual Integrations APPROVED
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#12
 1,1-Dichloroethene
 Concen: 17.26 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
96	34267		
61	169.6	141.7	212.5
98	67.3	51.6	77.4



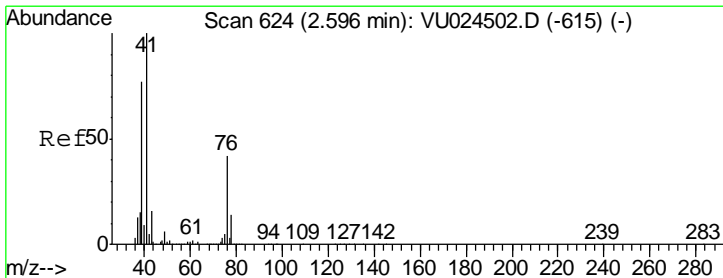
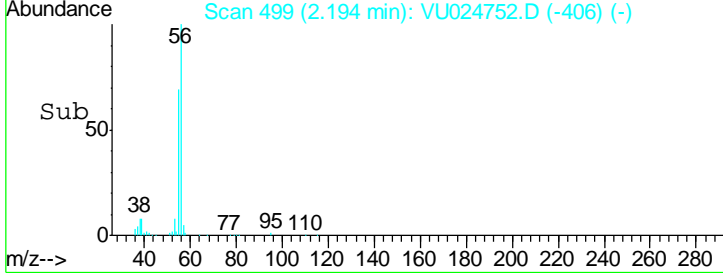
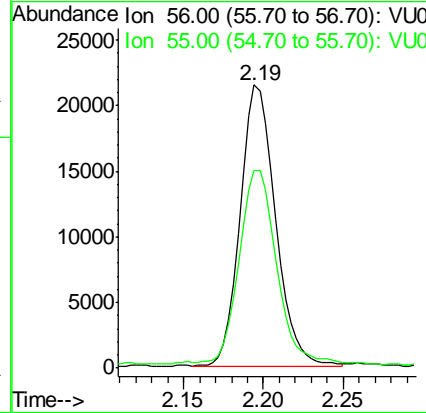
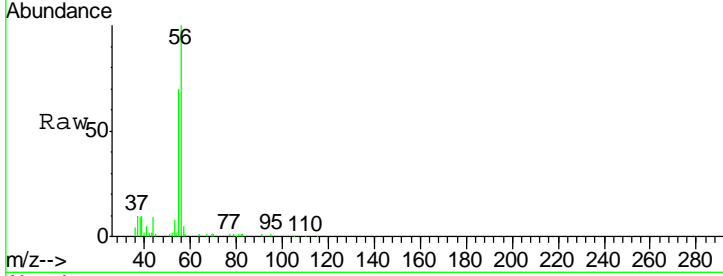


#13
 Acrolein
 Concen: 87.82 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
56	31932		
56	100		
55	74.8	58.4	87.6

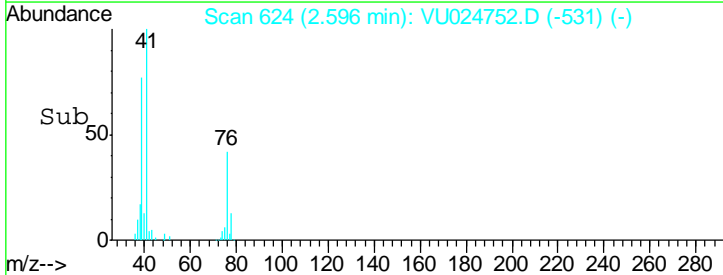
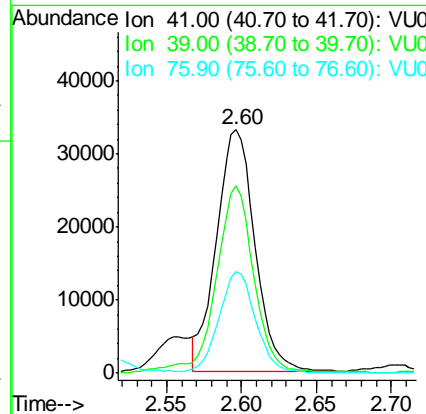
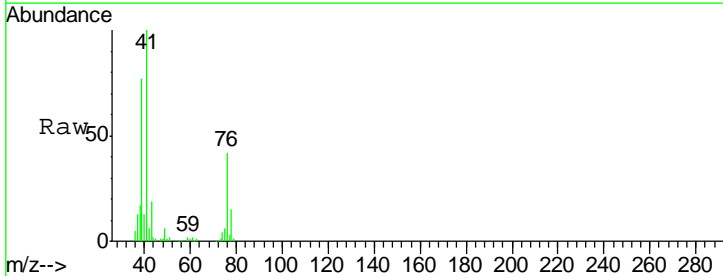
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

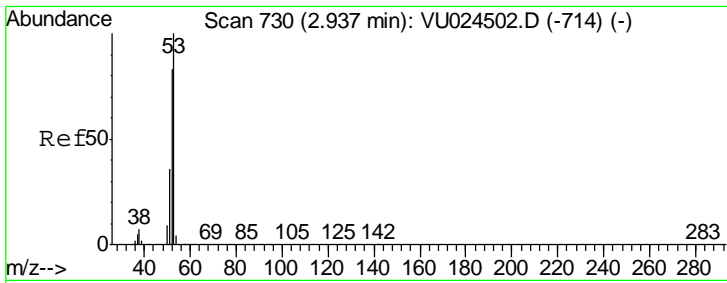
Manual Integrations
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#14
 Allyl chloride
 Concen: 16.16 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
41	59585		
41	100		
39	76.0	61.6	92.4
76	40.1	29.7	44.5



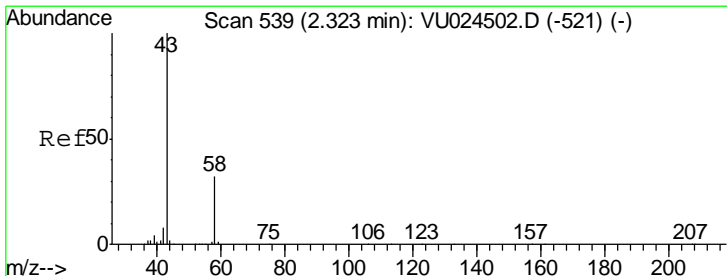
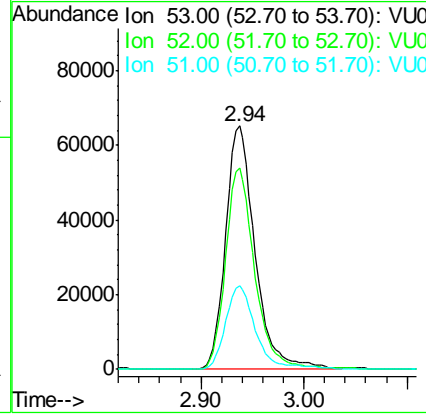
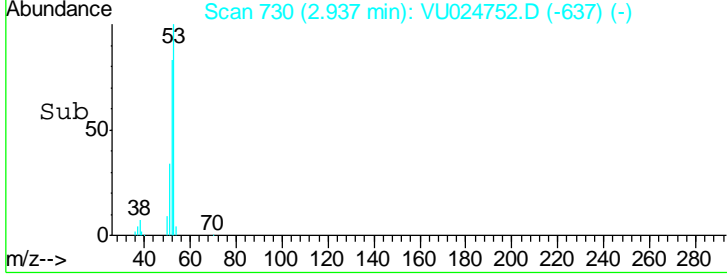
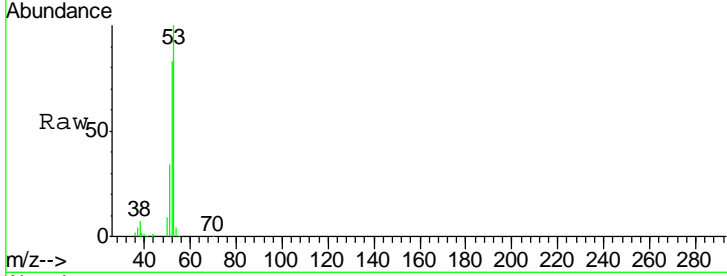


#15
 Acrylonitrile
 Concen: 96.38 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.2	67.1	100.7
51	35.4	28.4	42.6

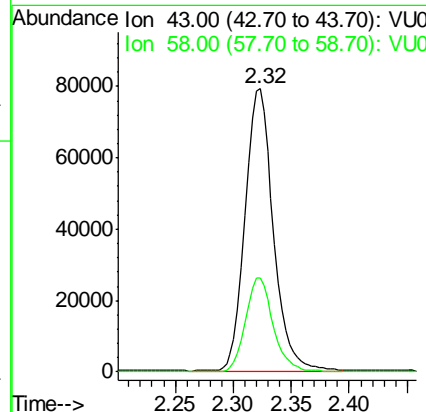
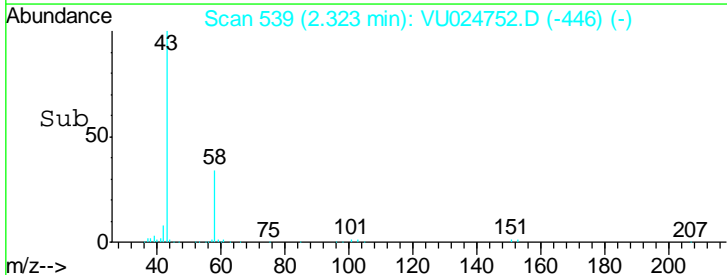
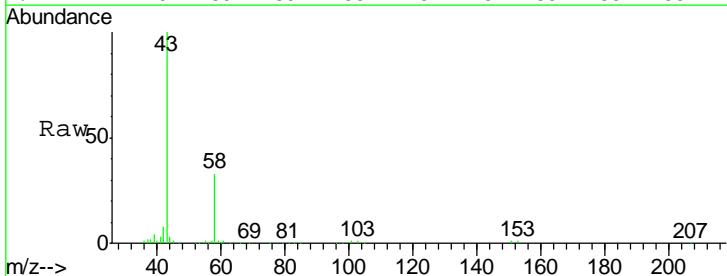
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

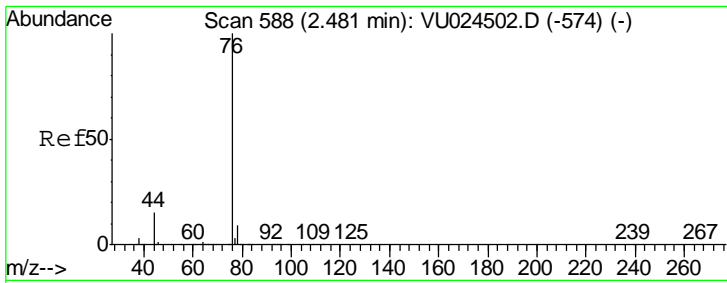
Manual Integrations APPROVED
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#16
 Acetone
 Concen: 87.58 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.5	24.4	36.6



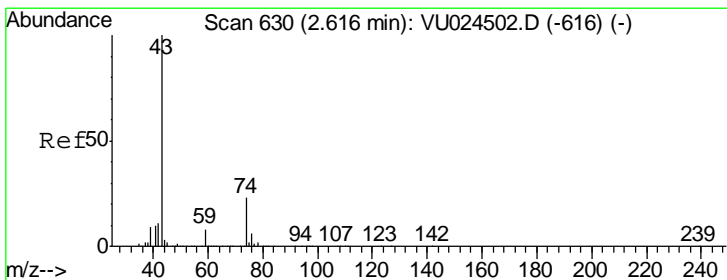
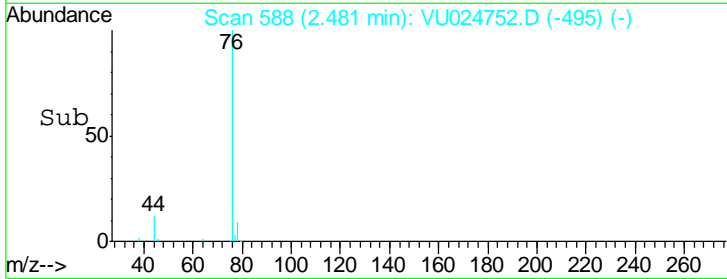
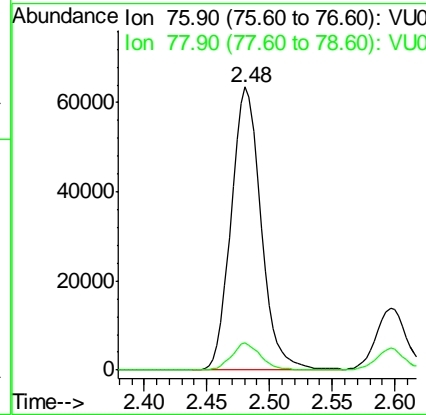
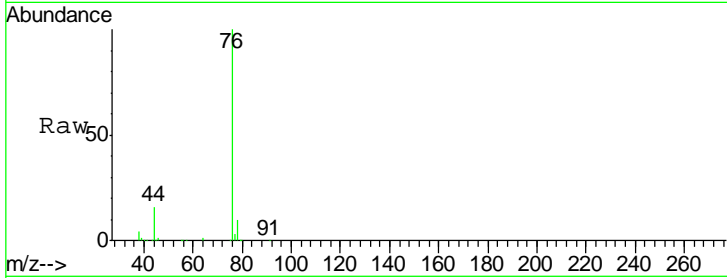


#17
 Carbon Disulfide
 Concen: 16.56 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
76	105273		
76	100		
78	9.6	7.1	10.7

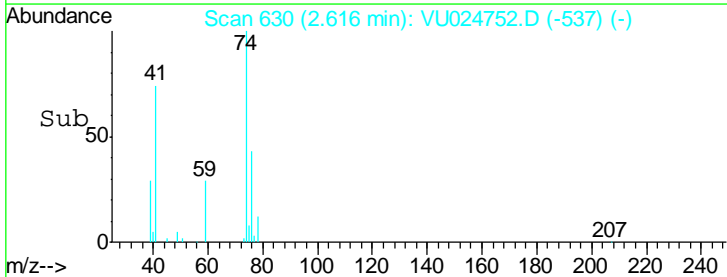
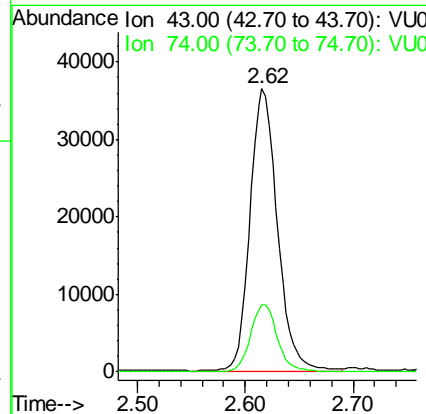
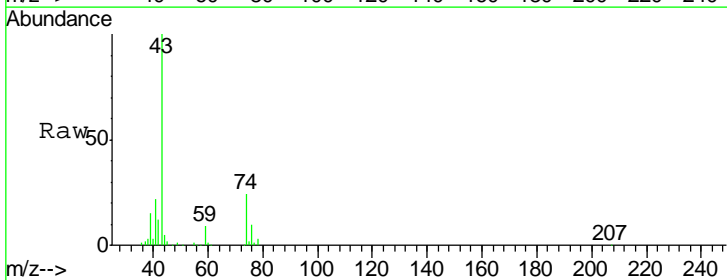
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

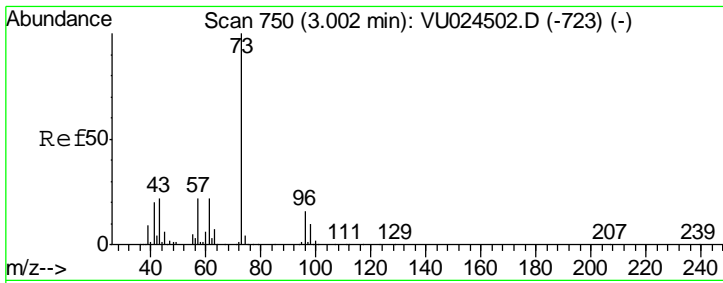
Manual Integrations APPROVED
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#18
 Methyl Acetate
 Concen: 19.64 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
43	64402		
43	100		
74	23.2	18.0	27.0



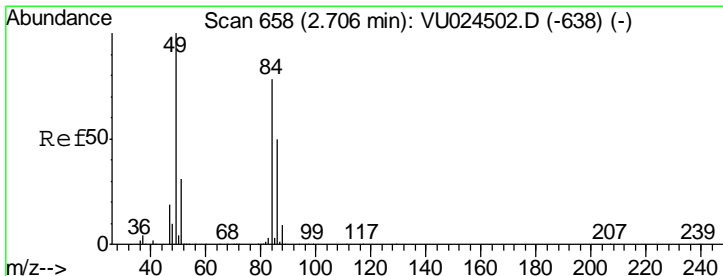
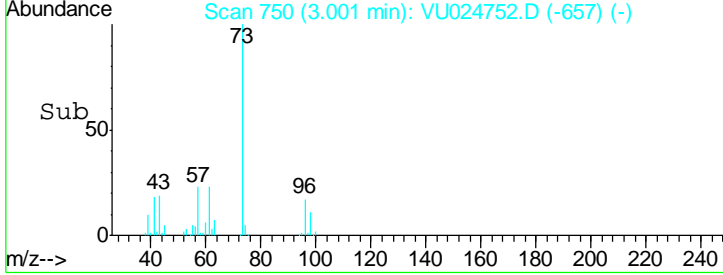
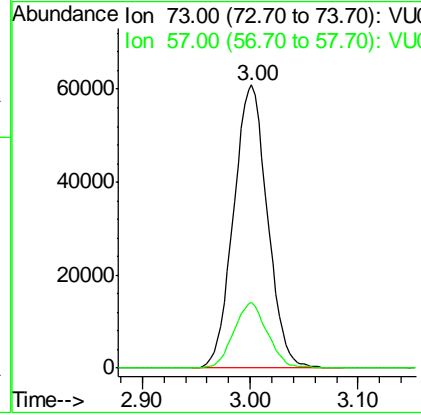
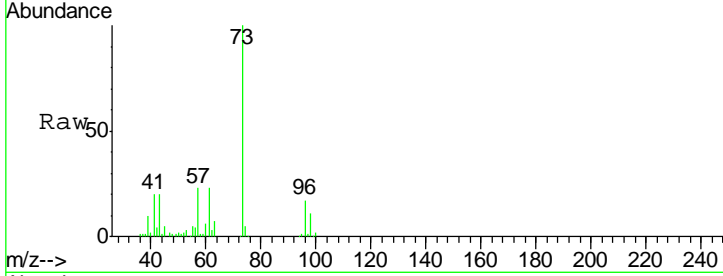


#19
 Methyl tert-butyl Ether
 Concen: 17.84 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
73	133169		
73	100		
57	23.1	18.8	28.2

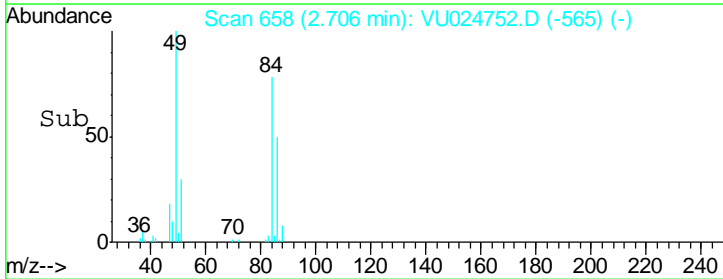
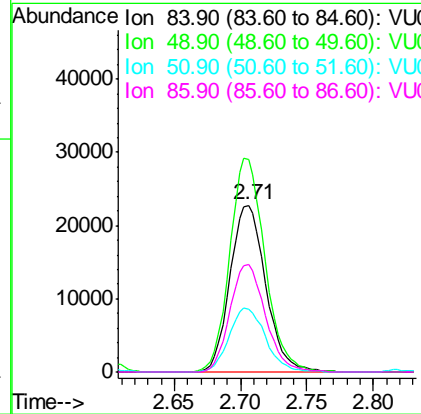
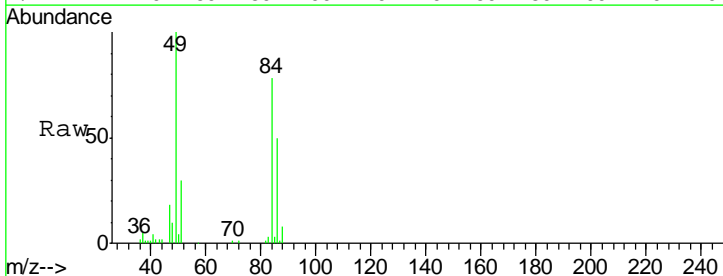
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

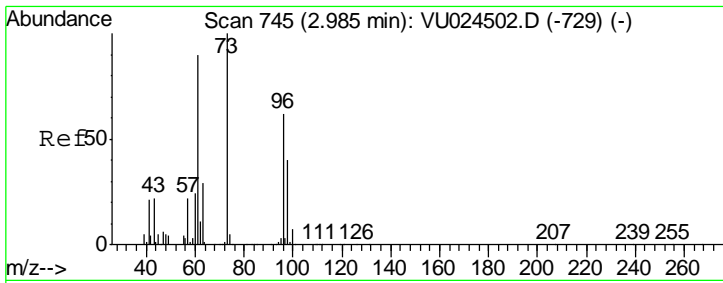
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#20
 Methylene Chloride
 Concen: 17.81 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

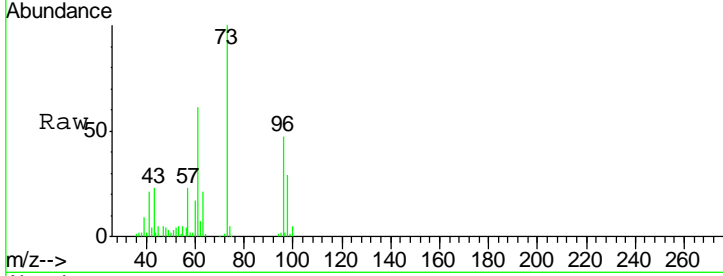
Tgt Ion	Resp	Lower	Upper
84	42748		
84	100		
49	127.5	103.8	155.8
51	37.8	32.0	48.0
86	64.2	51.6	77.4





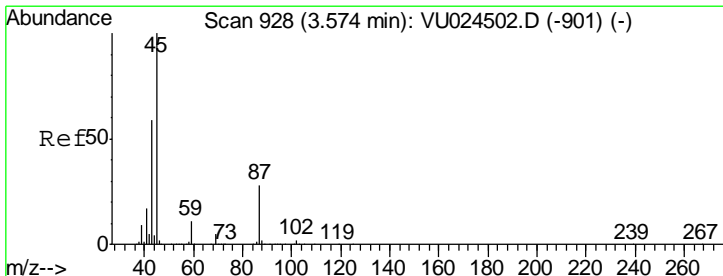
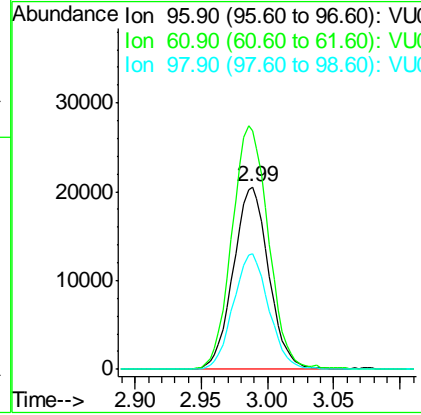
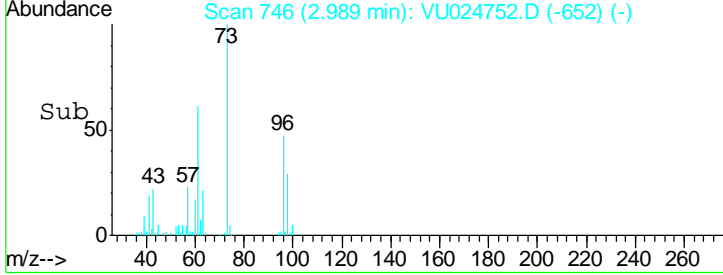
#21
 trans-1,2-Dichloroethene
 Concen: 17.49 ug/l
 RT: 2.99 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 Client Sampled : VU0620WBS01



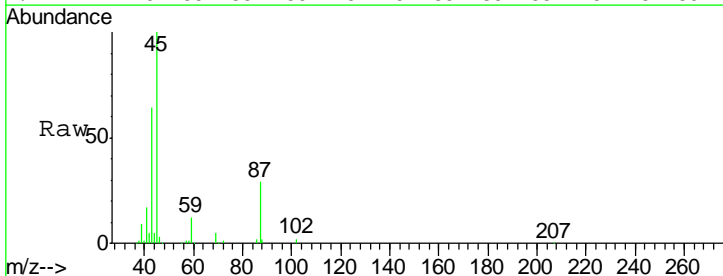
Tgt Ion	Resp	Lower	Upper
96	38249		
96	100		
61	130.5	119.4	179.0
98	63.1	51.1	76.7

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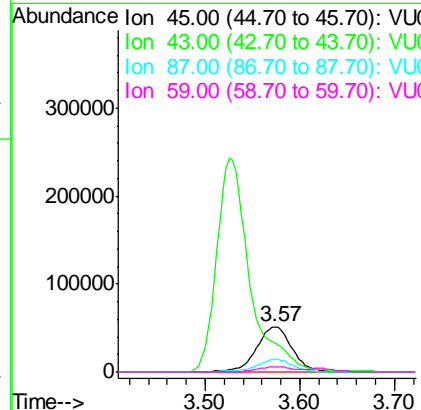
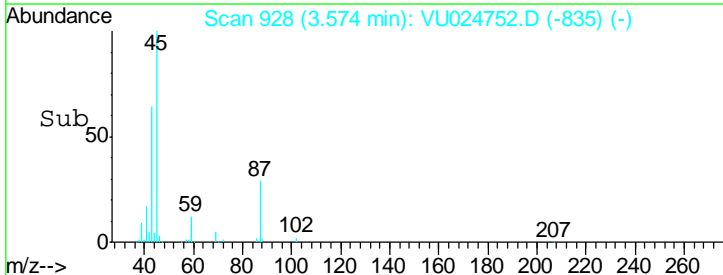


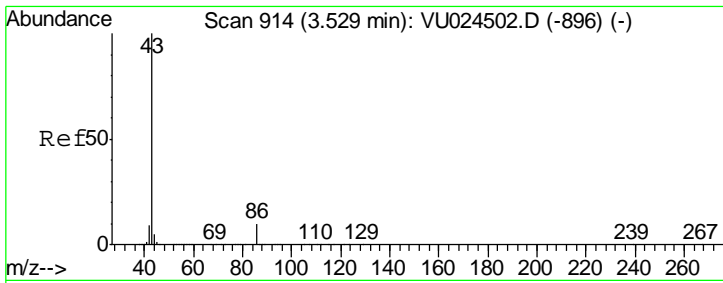
#22
 Diisopropyl ether
 Concen: 18.34 ug/l
 RT: 3.57 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 Client Sampled : VU0620WBS01



Tgt Ion	Resp	Lower	Upper
45	134024		
45	100		
43	61.7	45.8	68.6
87	28.6	20.6	31.0
59	11.8	9.4	14.0



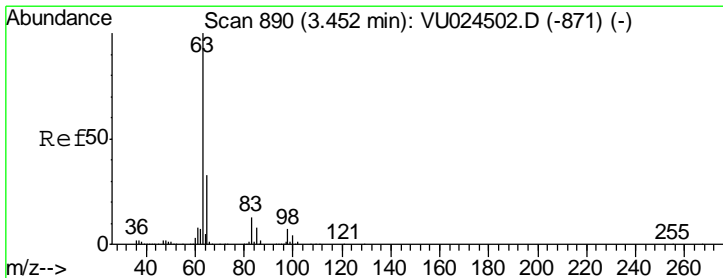
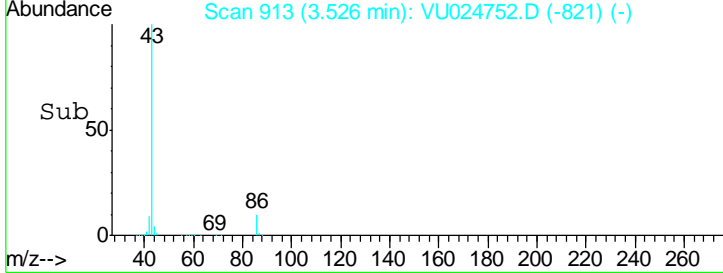
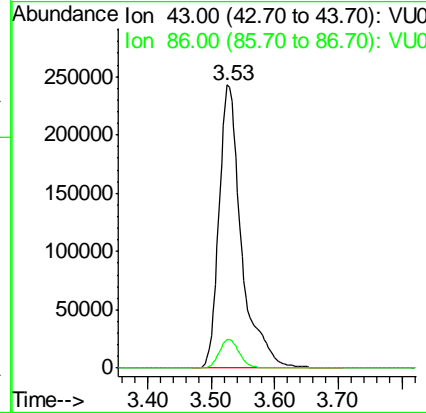
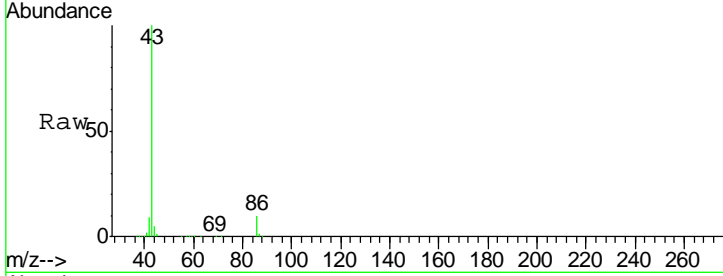


#23
 Vinyl Acetate
 Concen: 90.73 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8

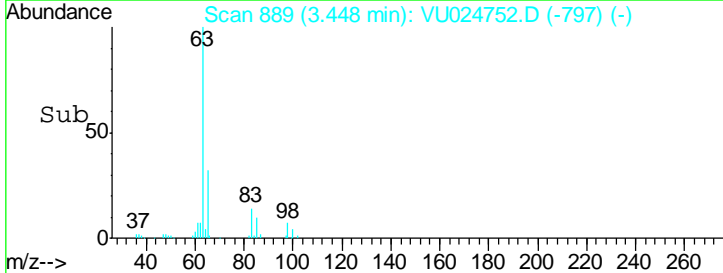
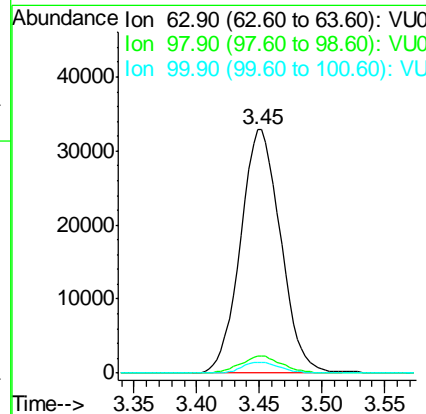
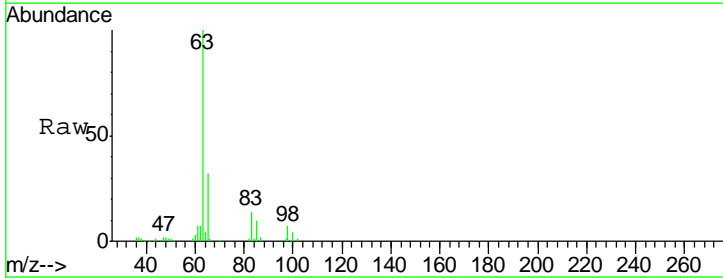
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

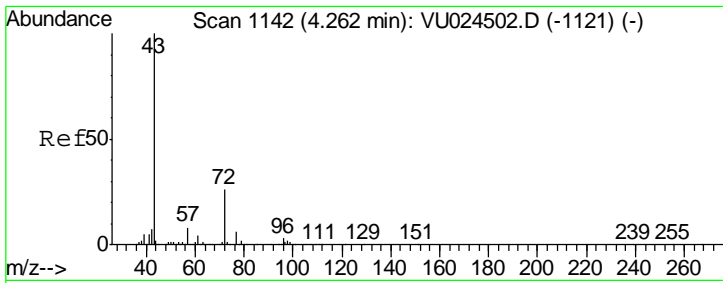
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#24
 1,1-Dichloroethane
 Concen: 17.39 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.4
100	4.5	1.8	5.5



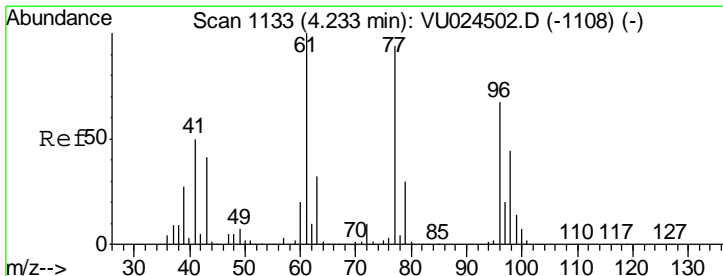
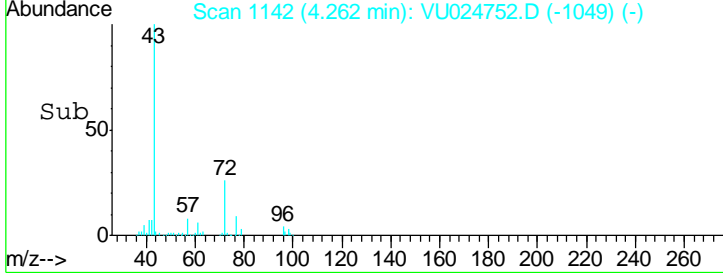
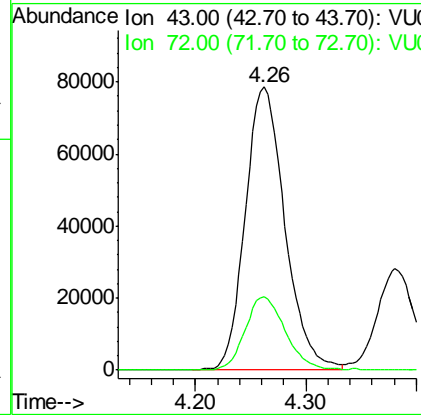
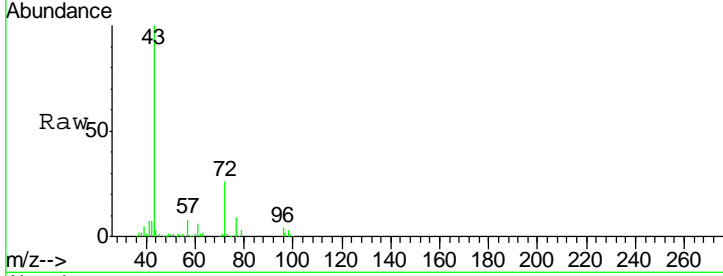


#25
 2-Butanone
 Concen: 94.46 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.6	29.4

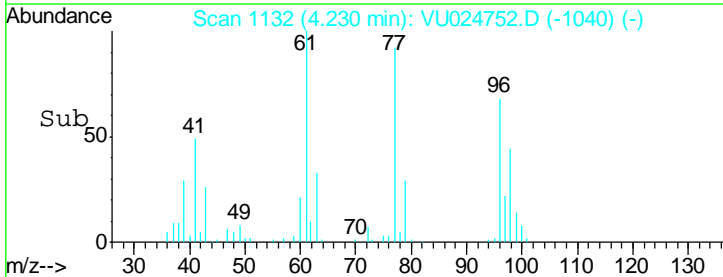
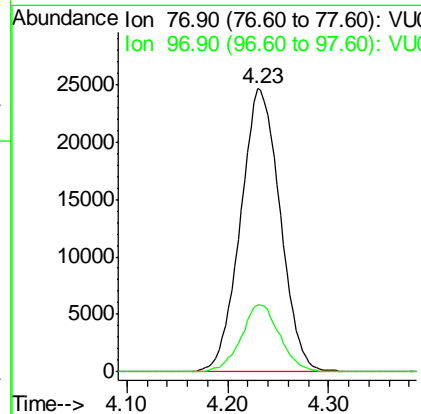
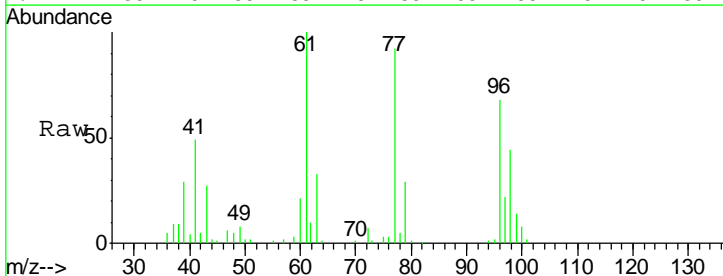
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

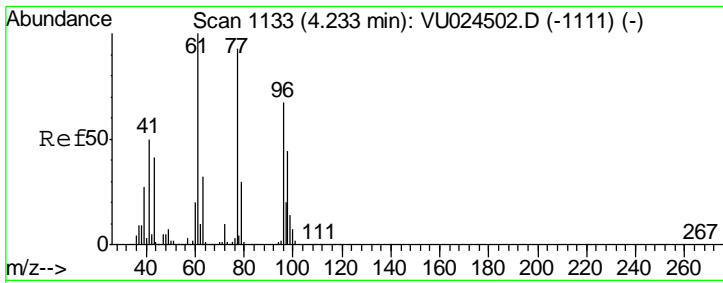
Manual Integrations
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#26
 2,2-Dichloropropane
 Concen: 16.78 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

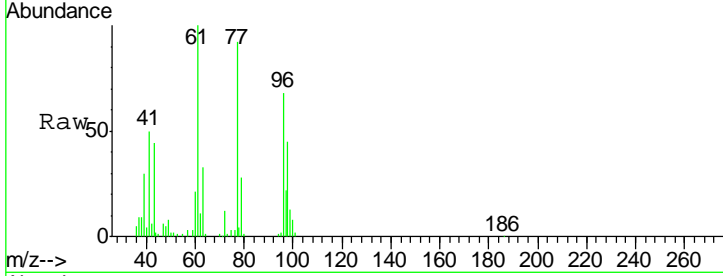
Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.3	33.8





#27
 cis-1,2-Dichloroethene
 Concen: 17.85 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

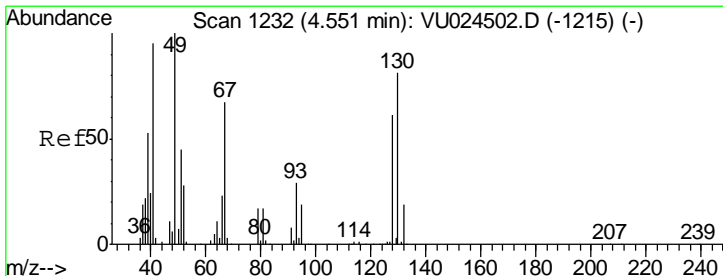
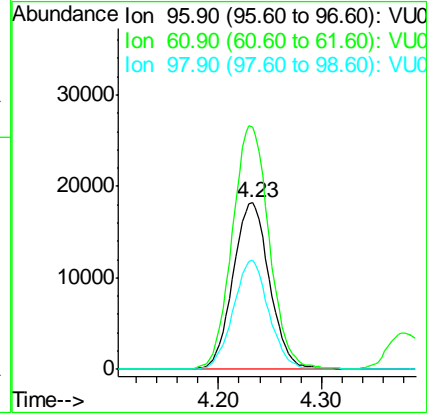
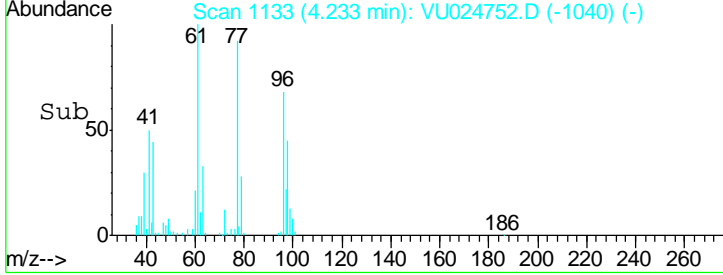
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01



Tgt Ion: 96 Resp: 44887

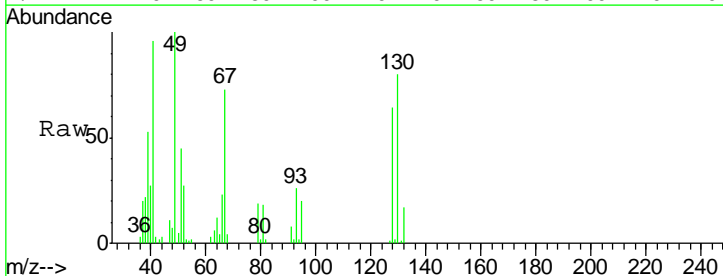
Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	306.6
98	63.7	0.0	128.8

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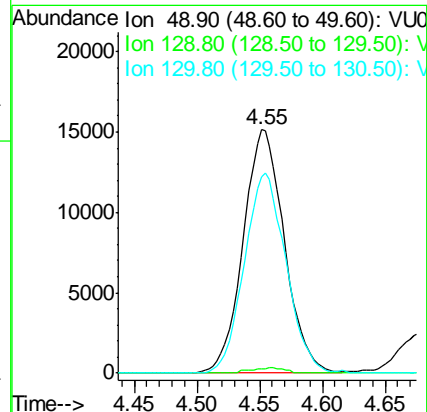
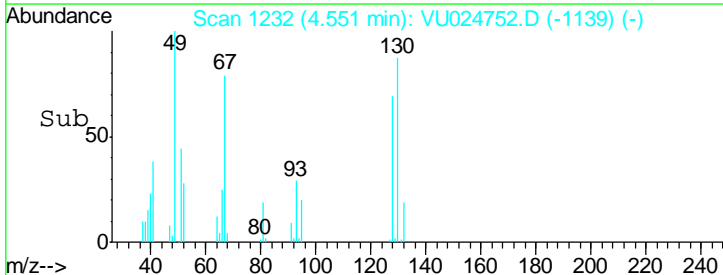
#28
 Bromochloromethane
 Concen: 18.66 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

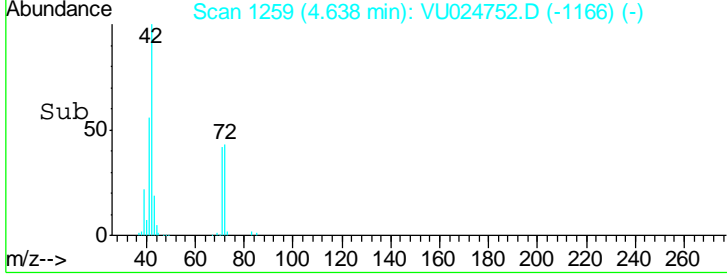
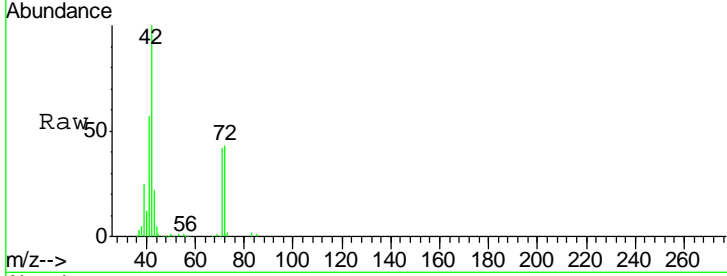
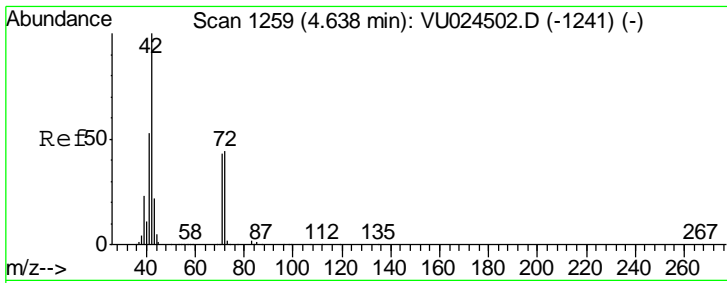
16



Tgt Ion: 49 Resp: 34564

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	83.0	57.8	86.6



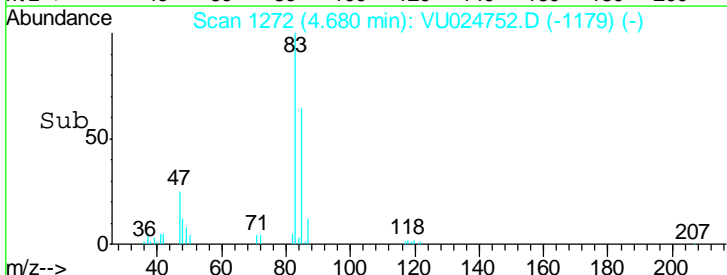
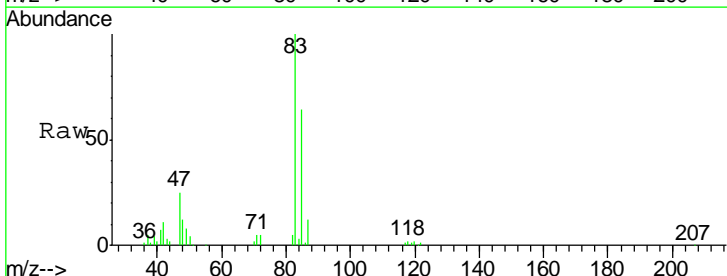
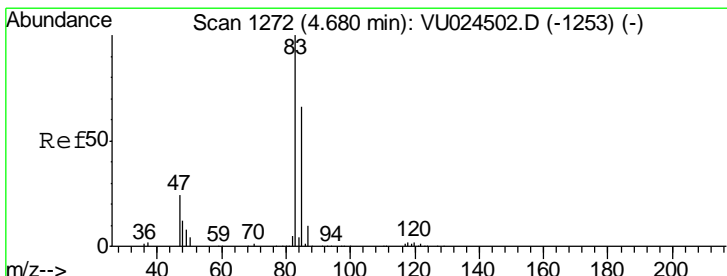
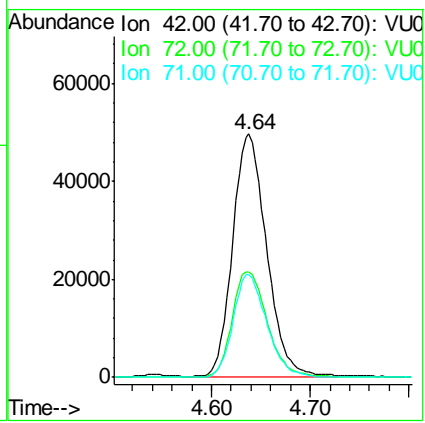


#29
 Tetrahydrofuran
 Concen: 93.10 ug/l
 RT: 4.64 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
42	118455		
72	45.2	34.5	51.7
71	42.1	32.2	48.4

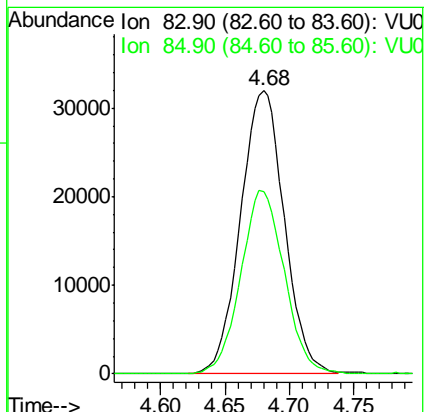
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

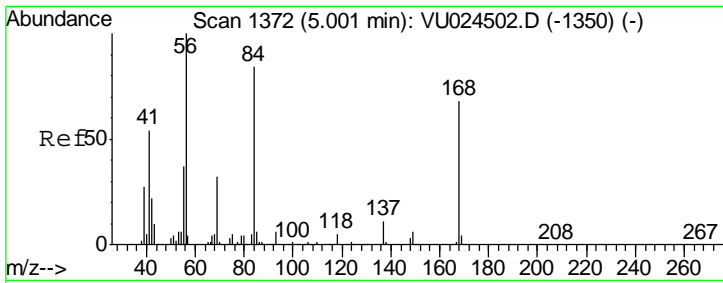
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#30
 Chloroform
 Concen: 17.78 ug/l
 RT: 4.68 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

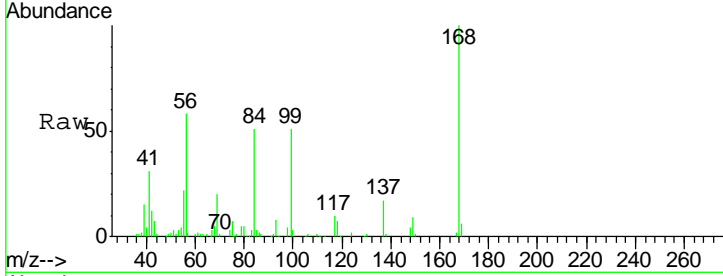
Tgt Ion	Resp	Lower	Upper
83	75654		
85	64.2	52.4	78.6





#31
 Cyclohexane
 Concen: 17.09 ug/l
 RT: 5.00 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

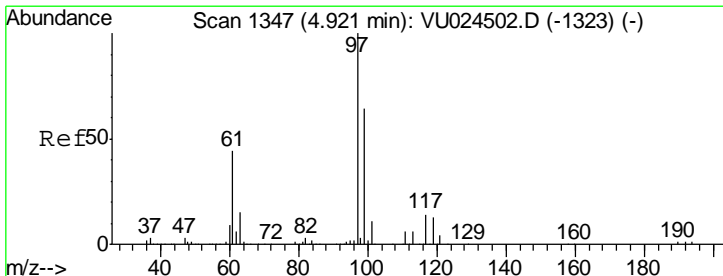
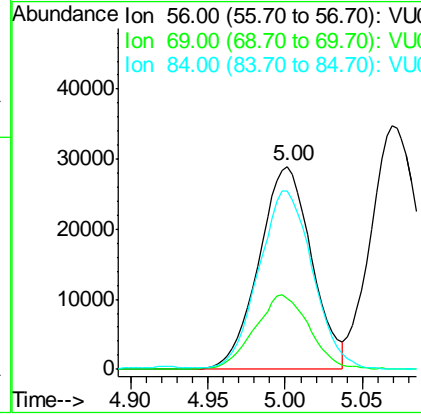
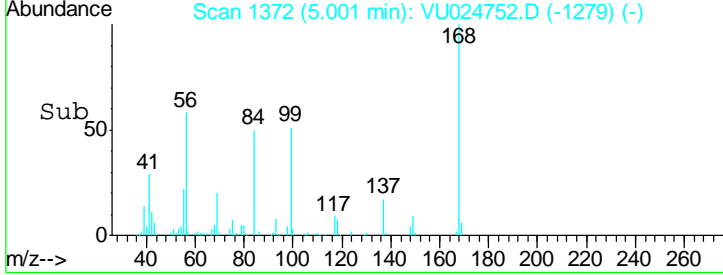
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01



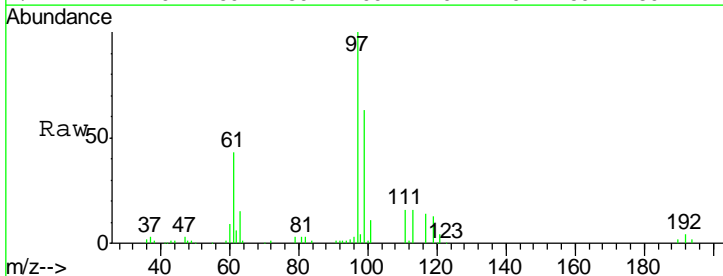
Tgt Ion: 56 Resp: 68666

Ion	Ratio	Lower	Upper
56	100		
69	34.8	24.8	37.2
84	86.8	65.2	97.8

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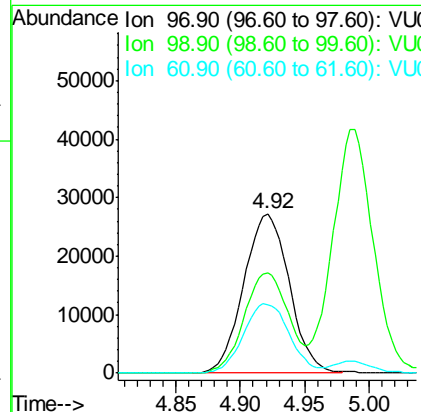
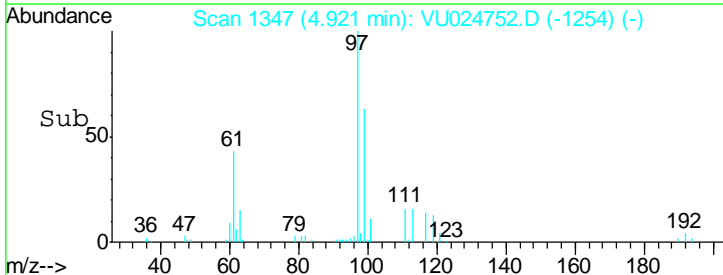


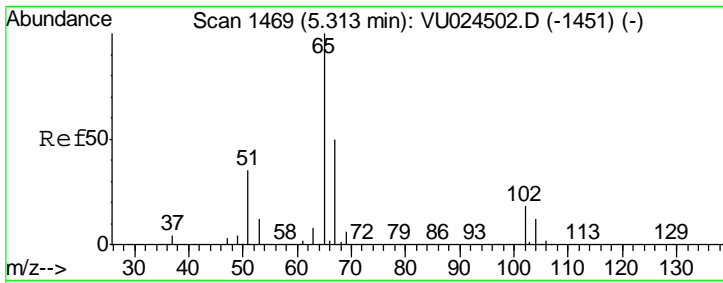
#32
 1,1,1-Trichloroethane
 Concen: 17.00 ug/l
 RT: 4.92 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56



Tgt Ion: 97 Resp: 66890

Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.0	76.6
61	44.1	39.4	59.0



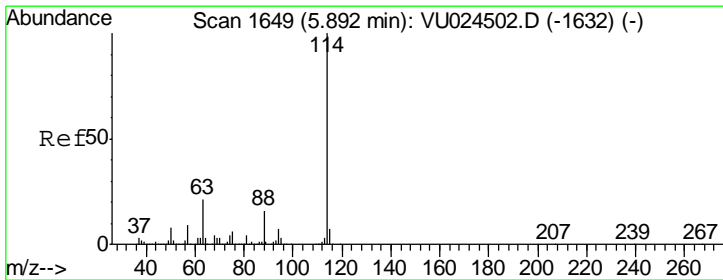
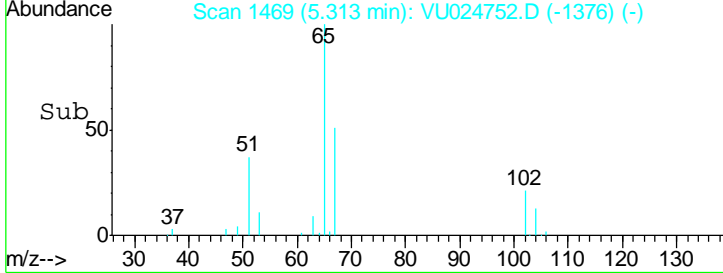
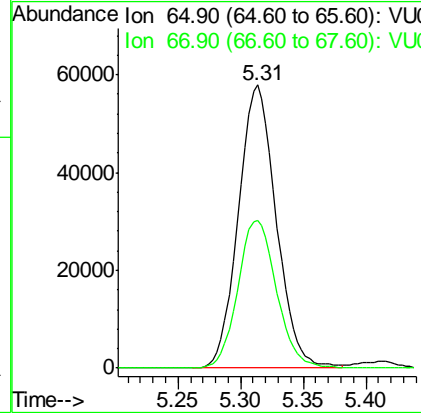
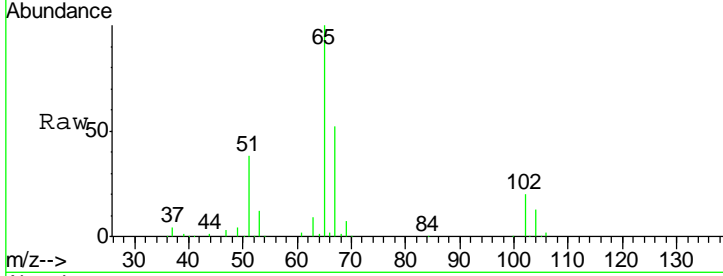


#33
 1,2-Dichloroethane-d4
 Concen: 42.70 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
65	121565		
65	100		
67	53.3	0.0	107.0

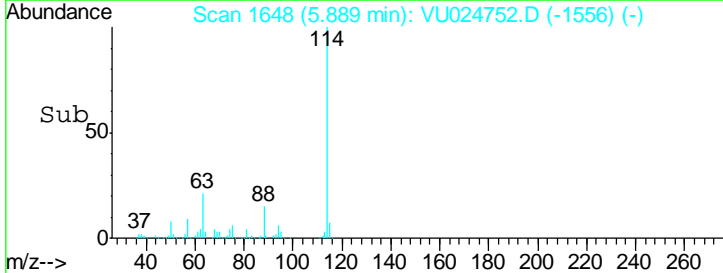
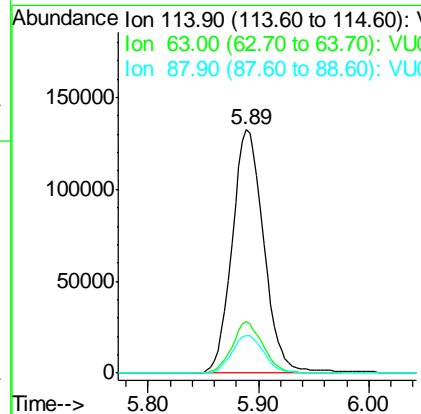
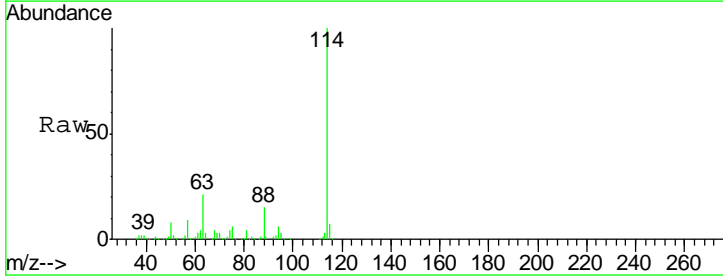
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

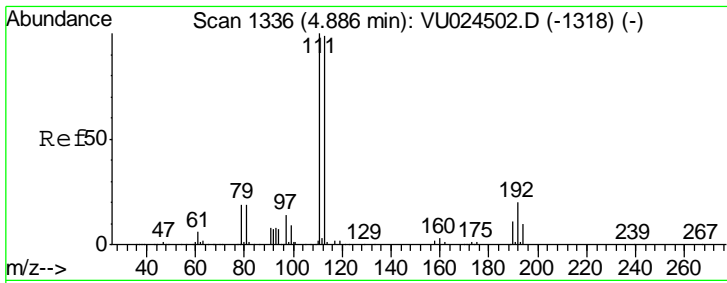
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

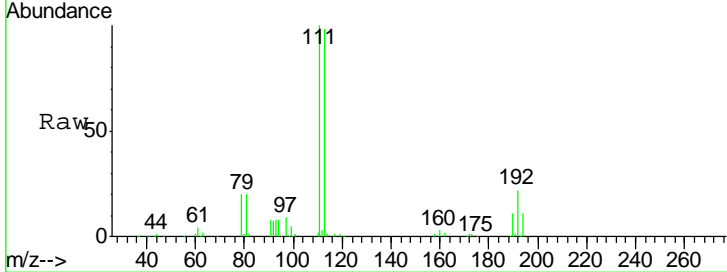
Tgt Ion	Resp	Lower	Upper
114	263596		
114	100		
63	21.0	0.0	45.4
88	15.5	0.0	31.0





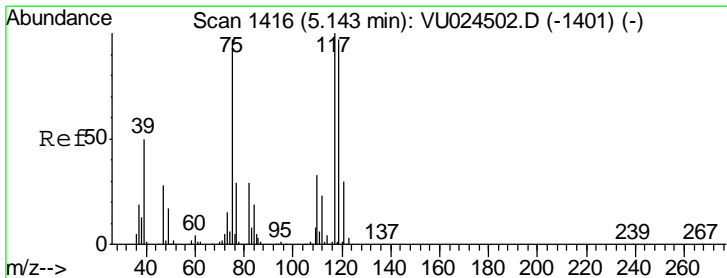
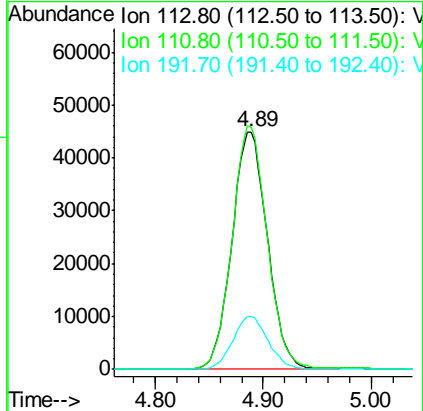
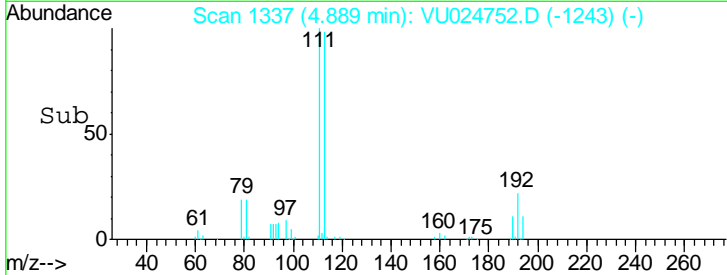
#35
 Dibromofluoromethane
 Concen: 47.11 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

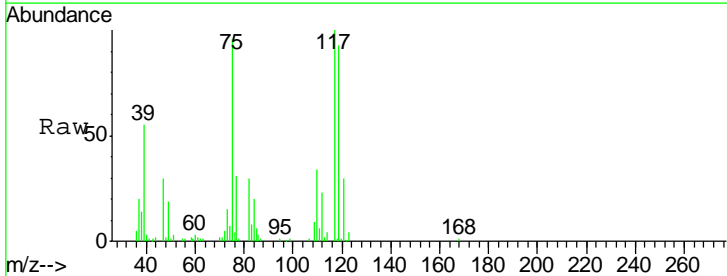


Tgt Ion	Resp	Lower	Upper
113	103054		
113	100		
111	100.9	82.2	123.4
192	22.2	16.2	24.4

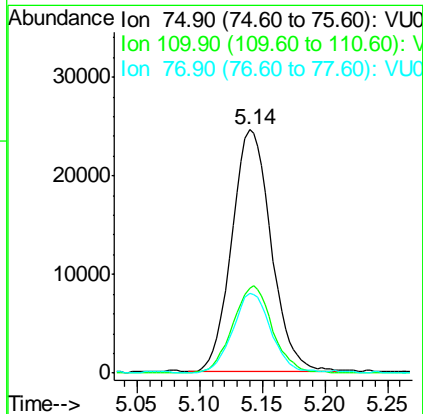
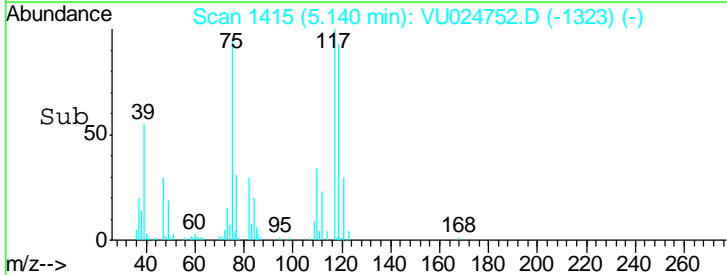
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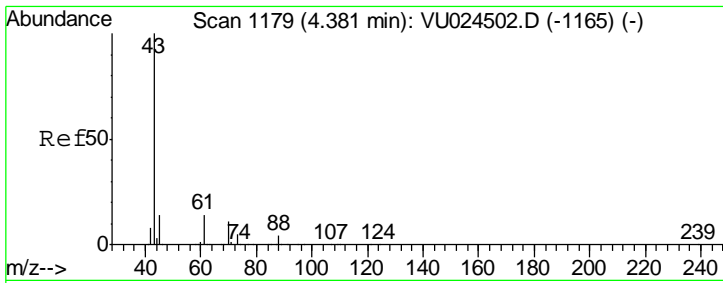


#36
 1,1-Dichloropropene
 Concen: 17.32 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56



Tgt Ion	Resp	Lower	Upper
75	53655		
75	100		
110	36.5	17.0	50.9
77	32.3	24.2	36.4





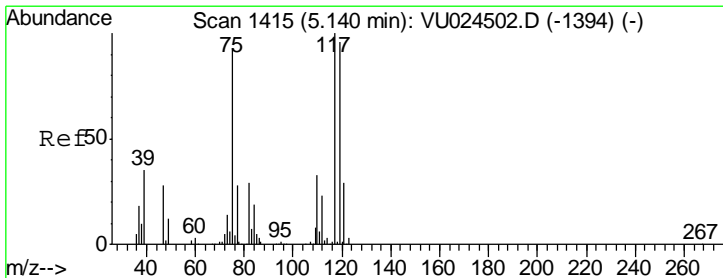
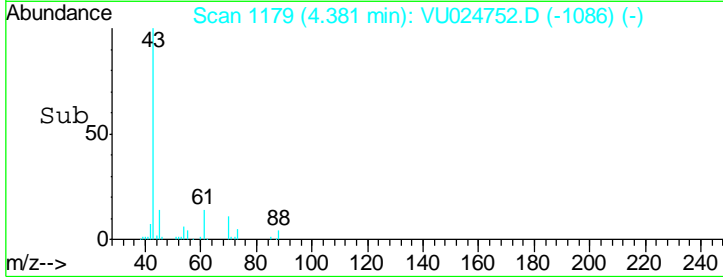
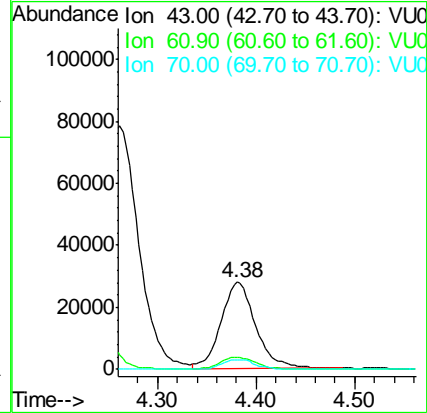
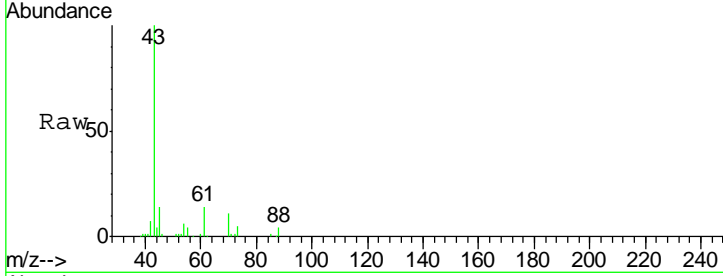
#37
 Ethyl Acetate
 Concen: 20.13 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

Tgt Ion	Resp	Lower	Upper
43	100		
61	15.1	10.5	15.7
70	11.2	7.4	11.2#

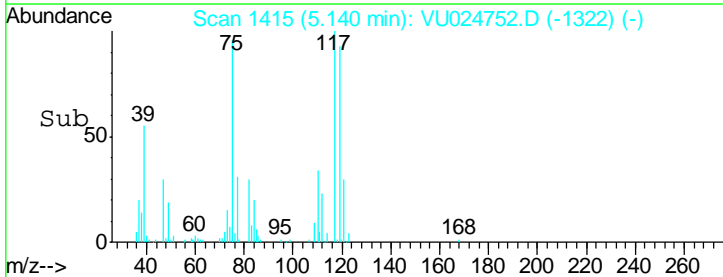
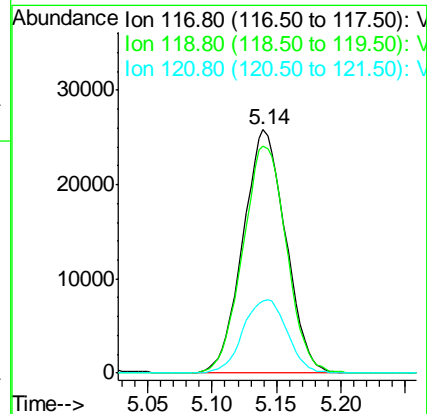
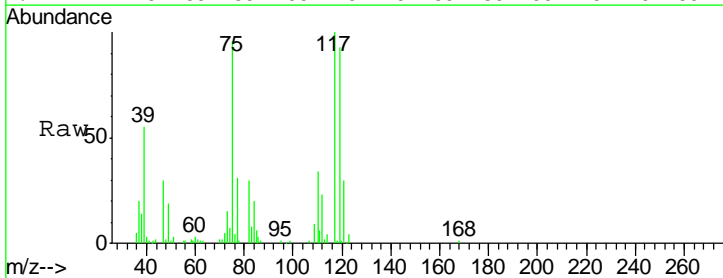
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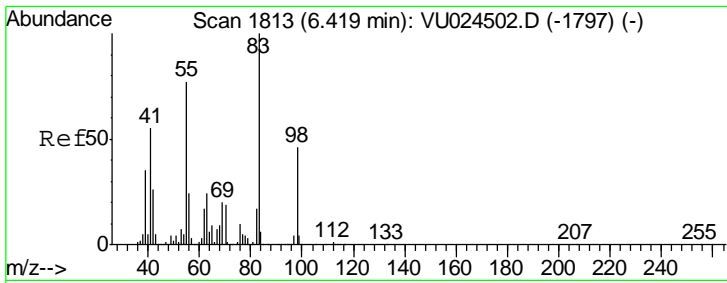
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#38
 Carbon Tetrachloride
 Concen: 17.45 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
117	100		
119	93.3	76.1	114.1
121	29.9	23.7	35.5



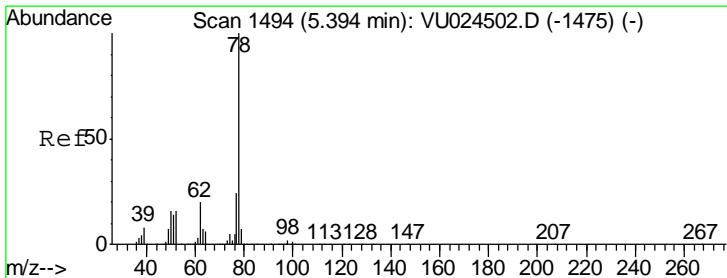
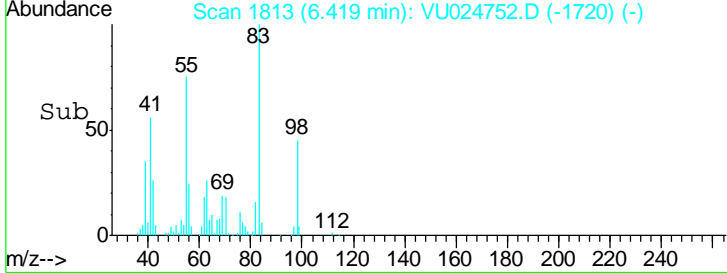
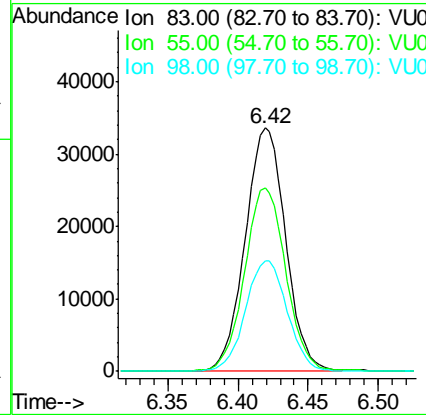
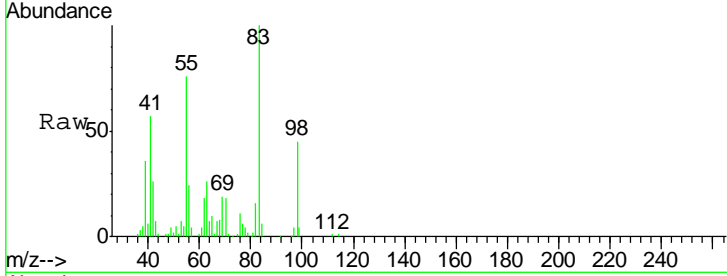


#39
 Methylcyclohexane
 Concen: 17.49 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

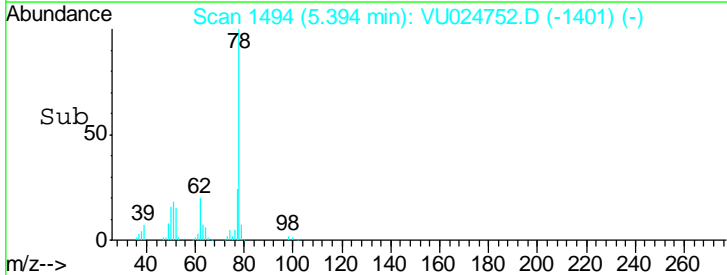
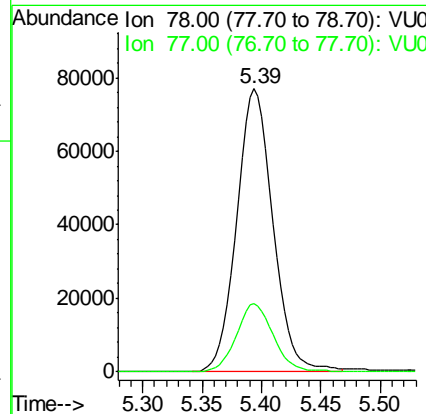
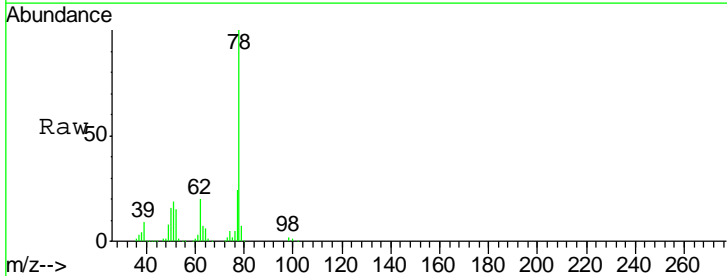
Tgt Ion	Resp	Lower	Upper
83	67624		
83	100		
55	75.2	65.8	98.6
98	45.5	36.7	55.1

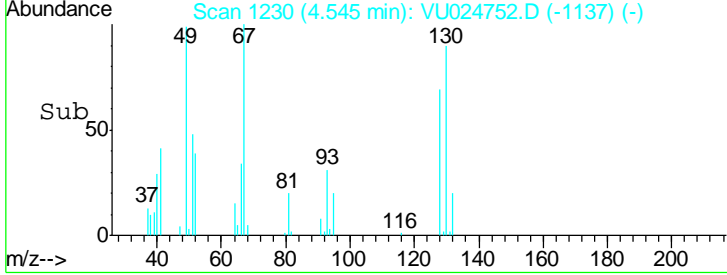
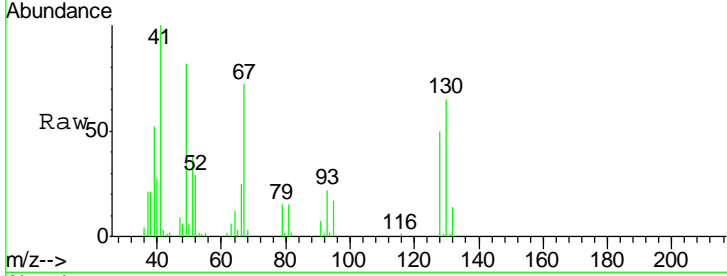
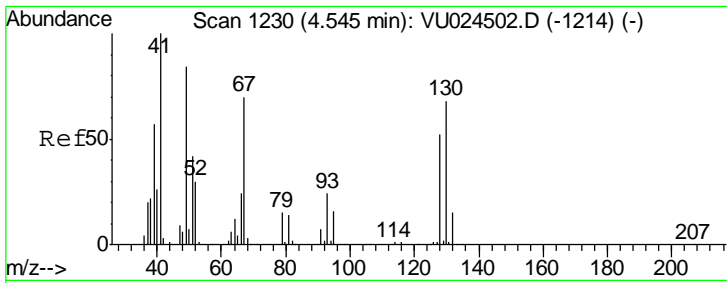
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#40
 Benzene
 Concen: 18.47 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

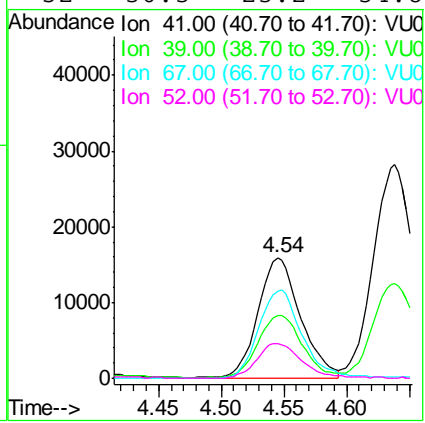
Tgt Ion	Resp	Lower	Upper
78	162994		
78	100		
77	24.2	19.2	28.8





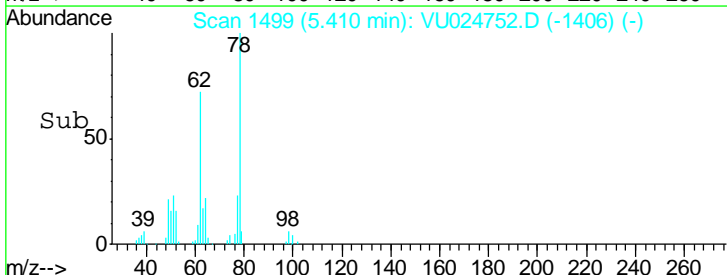
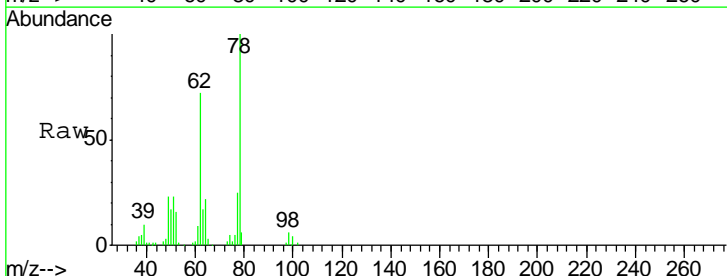
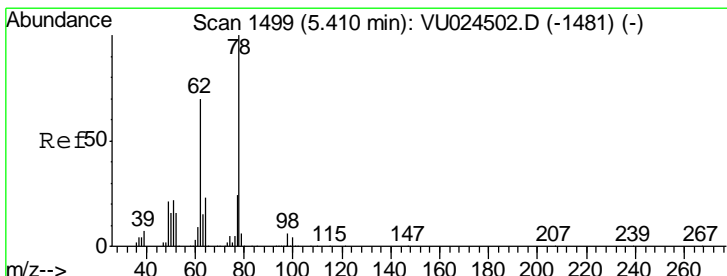
#41
 Methacrylonitrile
 Concen: 20.71 ug/l
 RT: 4.54 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
41	100		
39	55.1	43.8	65.6
67	74.1	56.3	84.5
52	30.3	23.2	34.8



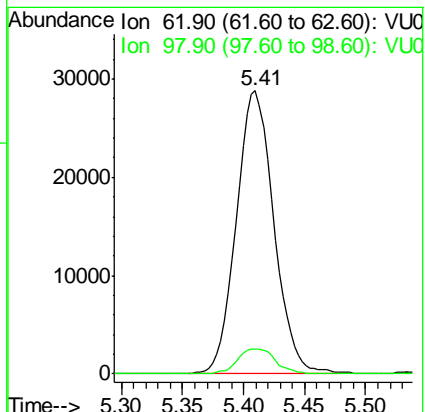
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

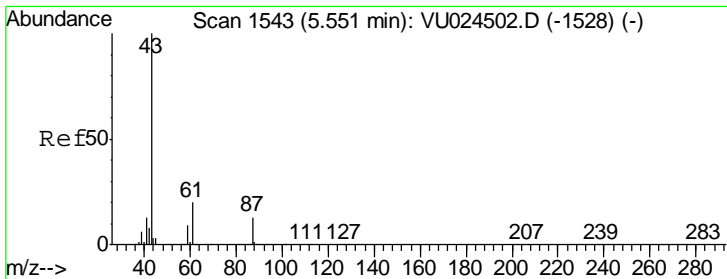
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#42
 1,2-Dichloroethane
 Concen: 18.23 ug/l
 RT: 5.41 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
62	100		
98	8.8	0.0	16.6



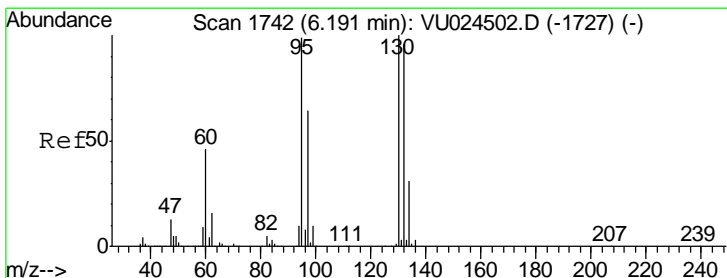
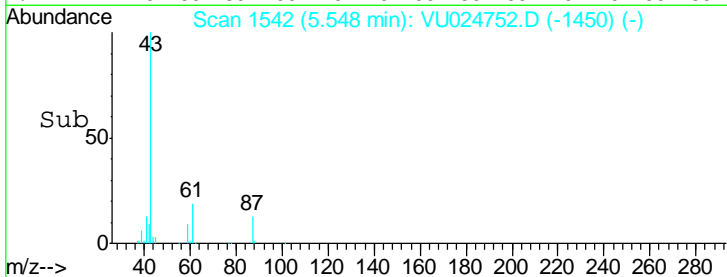
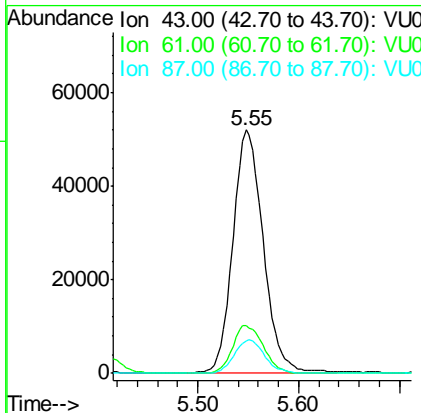
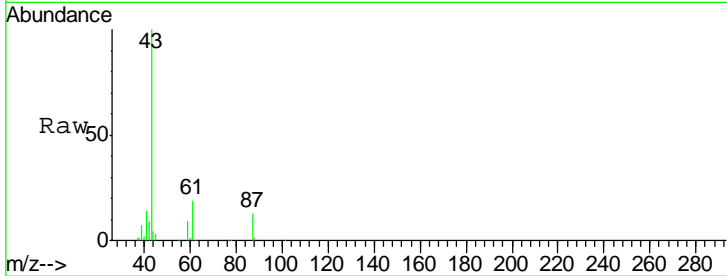


#43
 Isopropyl Acetate
 Concen: 18.43 ug/l
 RT: 5.55 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
43	107543		
61	20.4	15.4	23.0
87	13.9	10.0	15.0

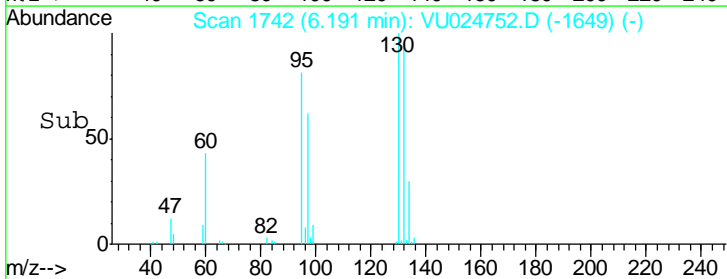
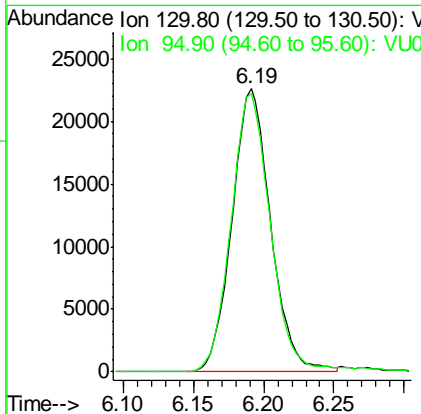
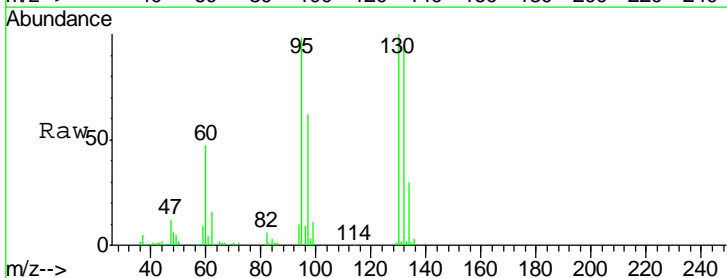
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

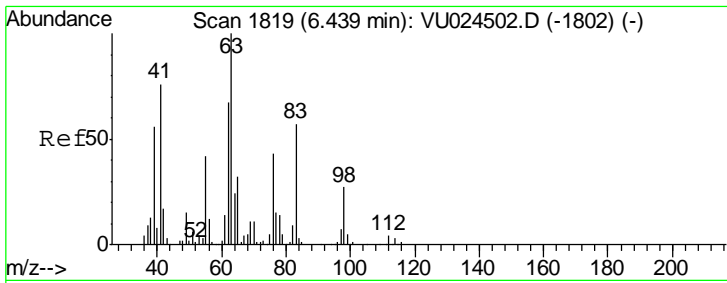
Manual Integrations APPROVED
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#44
 Trichloroethene
 Concen: 17.29 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
130	43442		
95	98.1	0.0	202.4



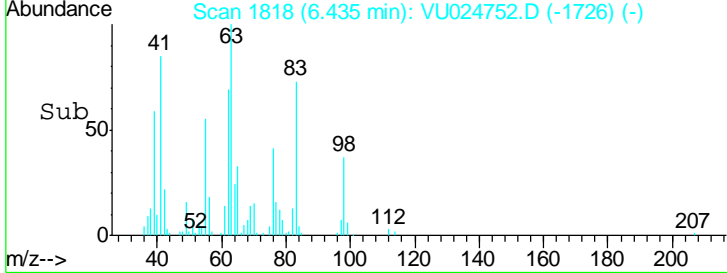
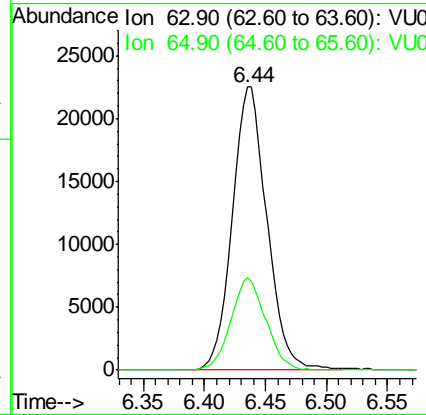
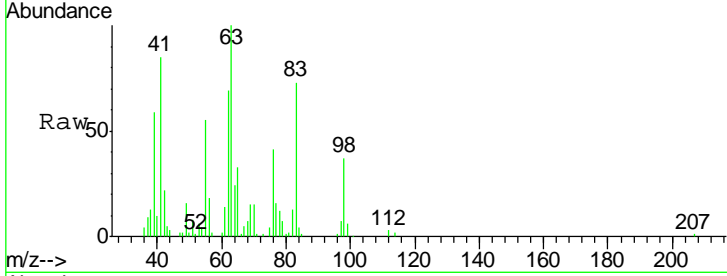


#45
 1,2-Dichloropropane
 Concen: 18.90 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

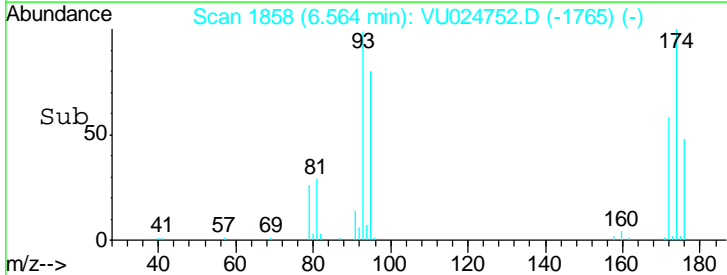
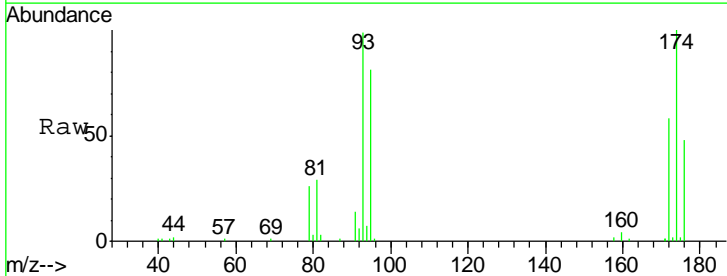
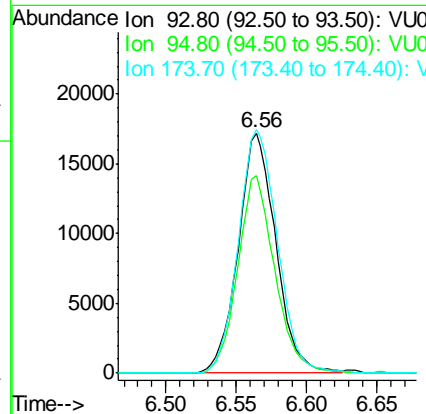
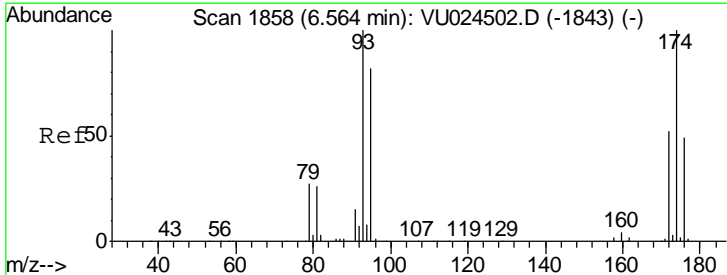
Tgt Ion	Resp	Lower	Upper
63	100		
65	32.6	24.8	37.2

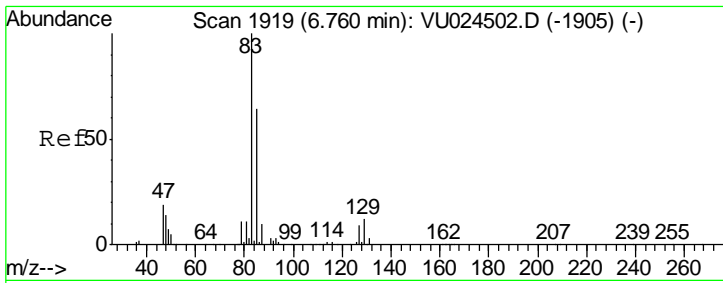
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#46
 Dibromomethane
 Concen: 19.49 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

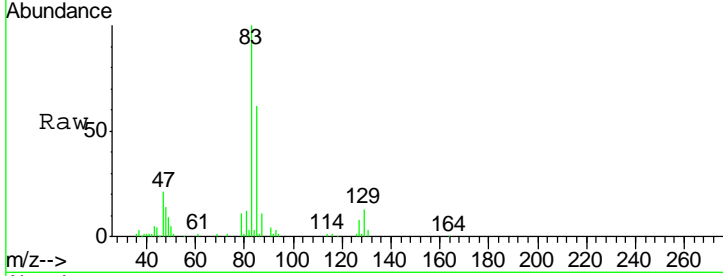
Tgt Ion	Resp	Lower	Upper
93	100		
95	80.9	65.5	98.3
174	104.8	78.7	118.1





#47
 Bromodichloromethane
 Concen: 17.95 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

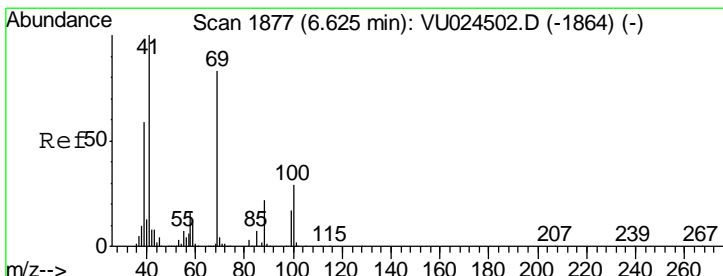
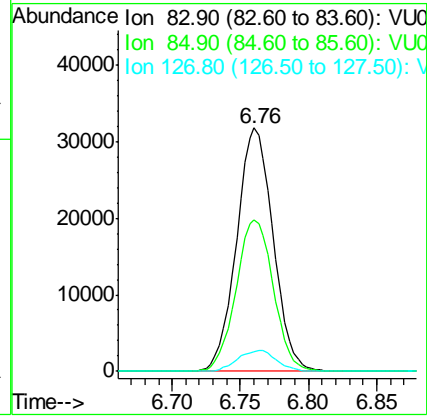
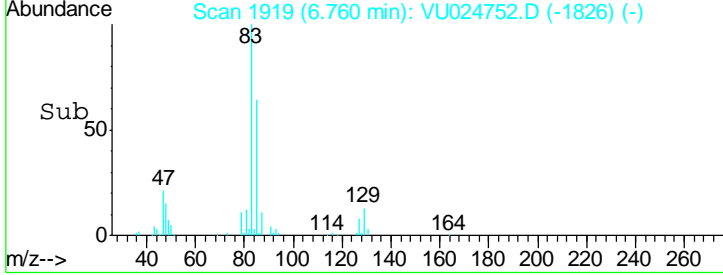
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01



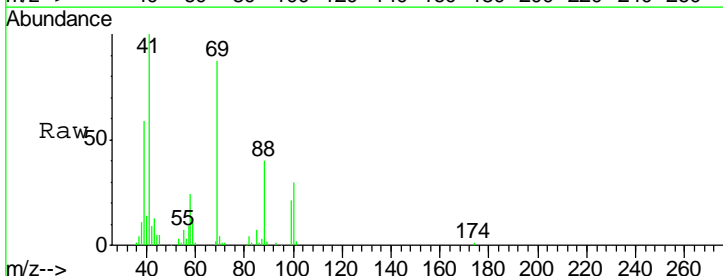
Tgt Ion: 83 Resp: 59119

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.9	77.9
127	8.2	6.6	9.8

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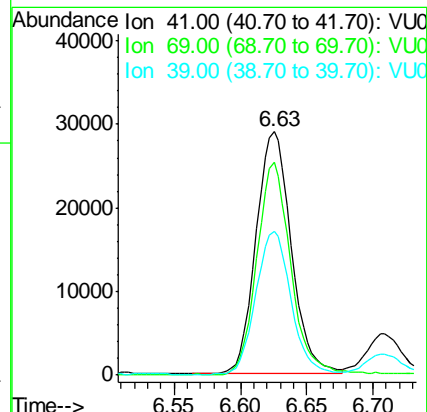
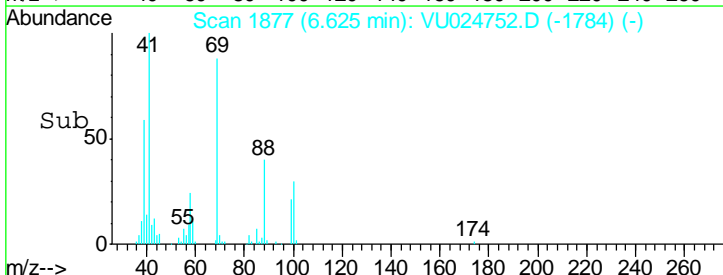


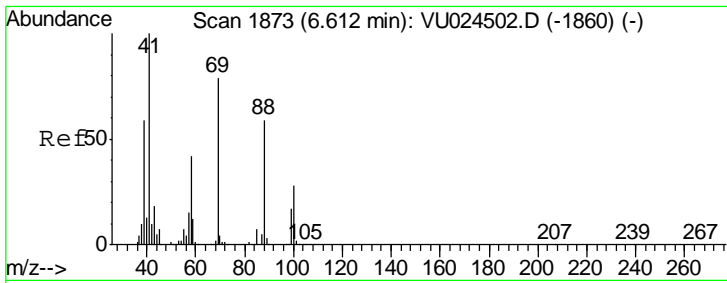
#48
 Methyl methacrylate
 Concen: 18.99 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56



Tgt Ion: 41 Resp: 53974

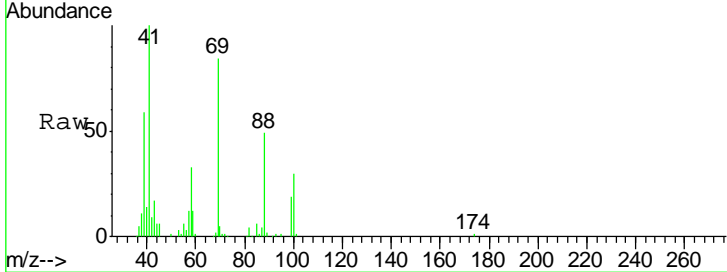
Ion	Ratio	Lower	Upper
41	100		
69	85.3	67.3	100.9
39	59.5	46.5	69.7





#49
 1,4-Dioxane
 Concen: 482.29 ug/l
 RT: 6.62 min Scan# 1875
 Delta R.T. 0.01 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

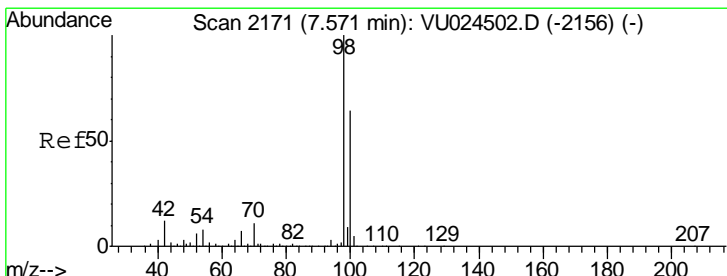
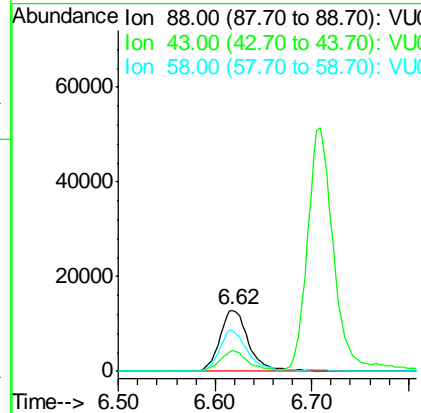
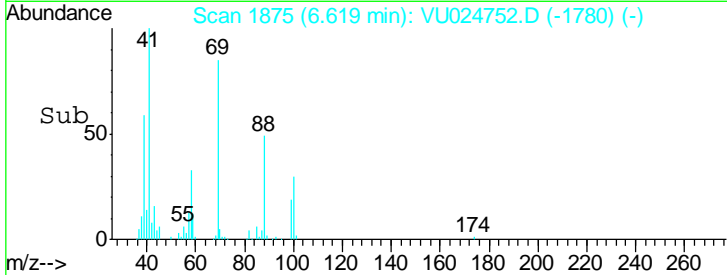
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01



Tgt Ion: 88 Resp: 26801

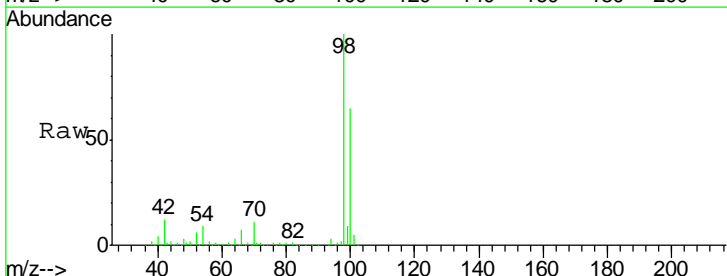
Ion	Ratio	Lower	Upper
88	100		
43	33.9	28.6	42.8
58	65.7	58.2	87.4

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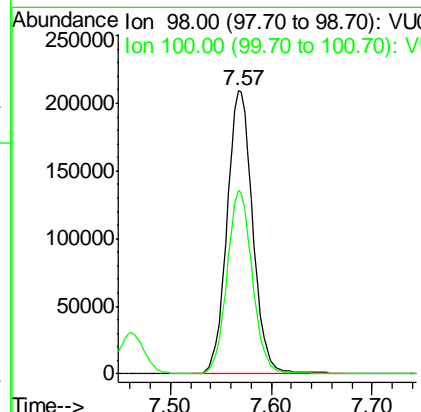
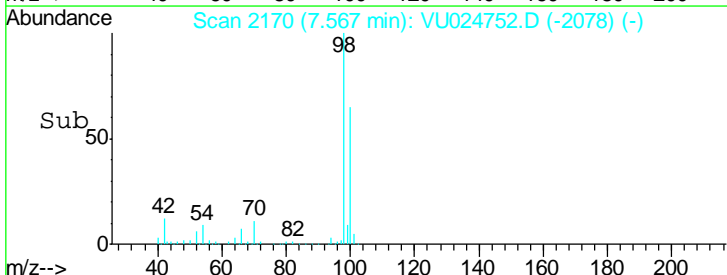
#50
 Toluene-d8
 Concen: 46.71 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

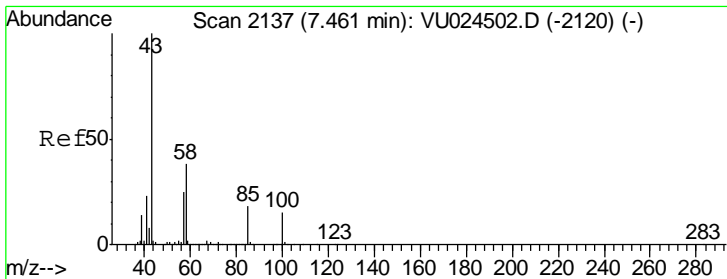
1
2
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14
15
16



Tgt Ion: 98 Resp: 372739

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.1	76.7



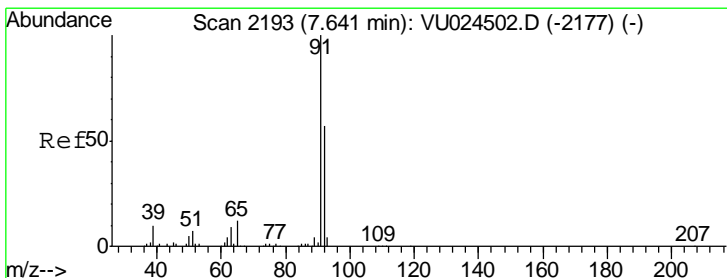
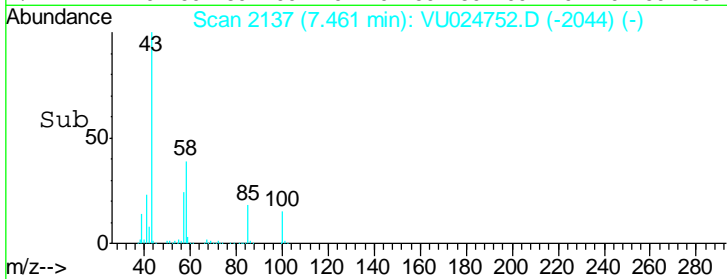
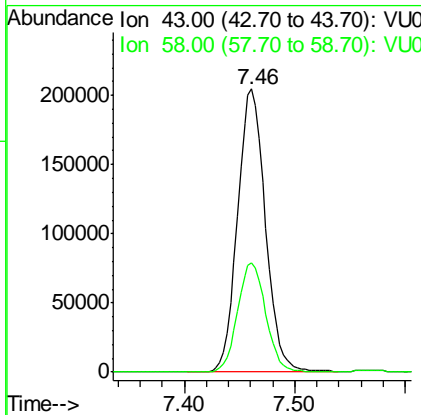
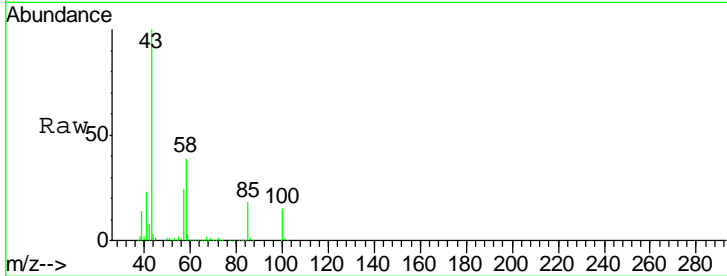


#51
 4-Methyl-2-Pentanone
 Concen: 97.48 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	30.0	45.0

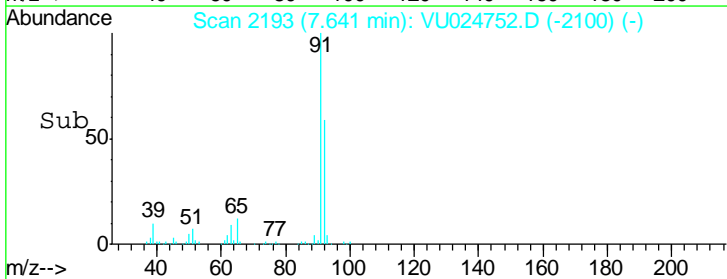
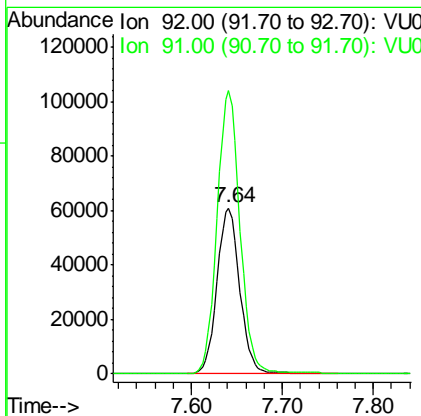
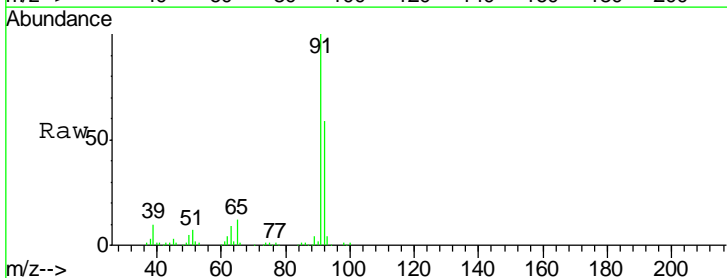
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

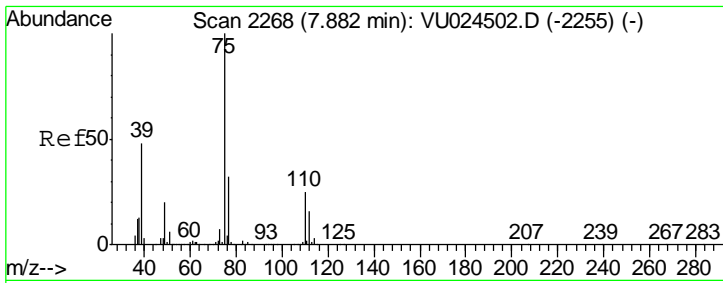
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#52
 Toluene
 Concen: 18.75 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.8	140.5	210.7



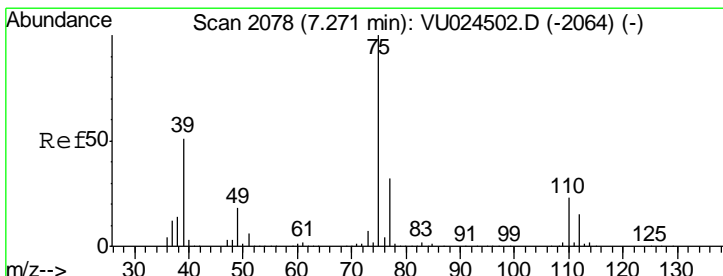
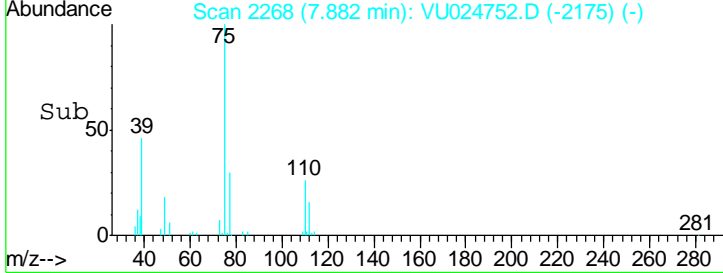
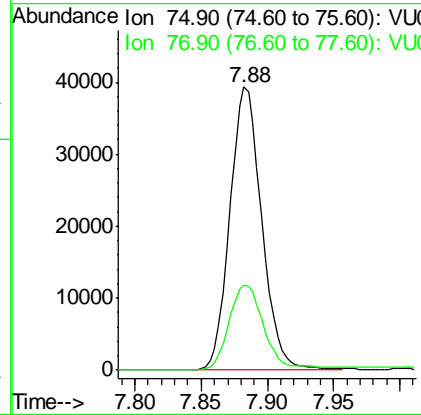
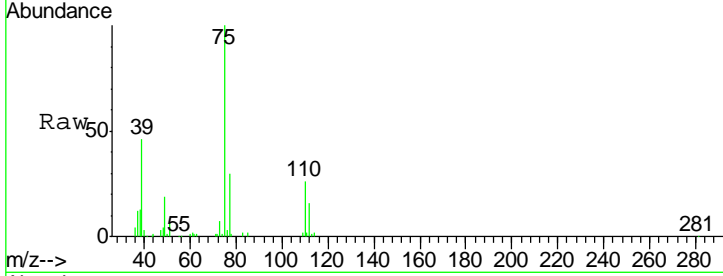


#53
 t-1,3-Dichloropropene
 Concen: 17.77 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
75	65725		
75	100		
77	30.0	24.8	37.2

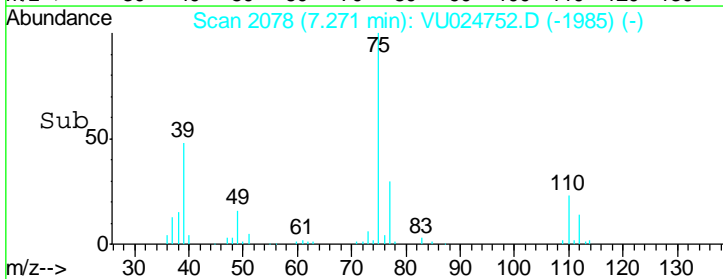
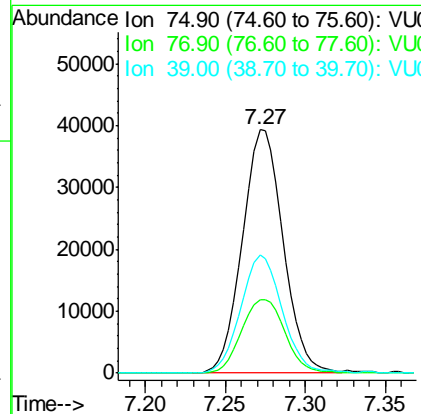
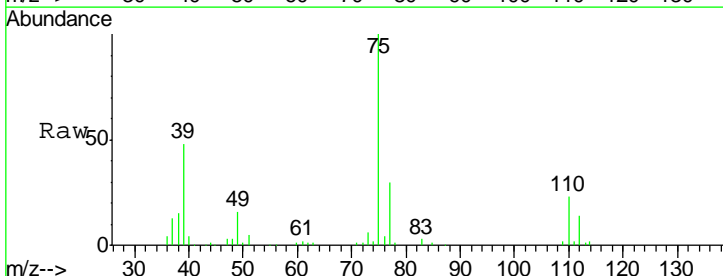
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

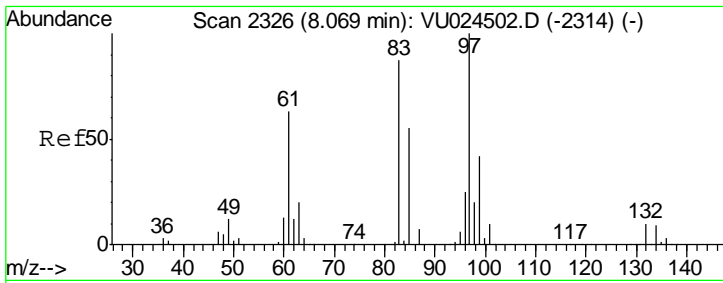
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#54
 cis-1,3-Dichloropropene
 Concen: 17.38 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

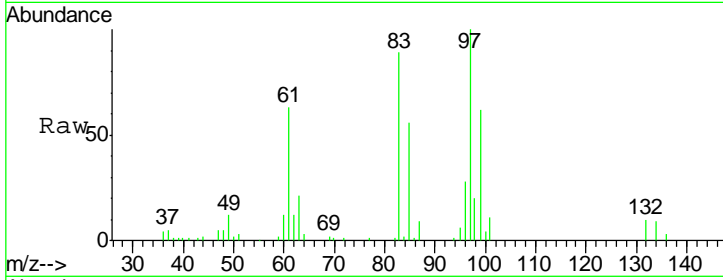
Tgt Ion	Resp	Lower	Upper
75	68495		
75	100		
77	30.0	24.6	36.8
39	48.4	39.8	59.6





#55
 1,1,2-Trichloroethane
 Concen: 19.31 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

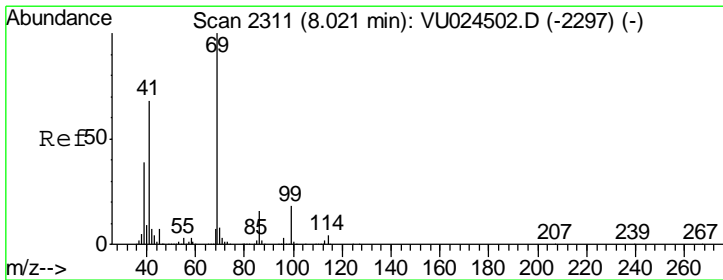
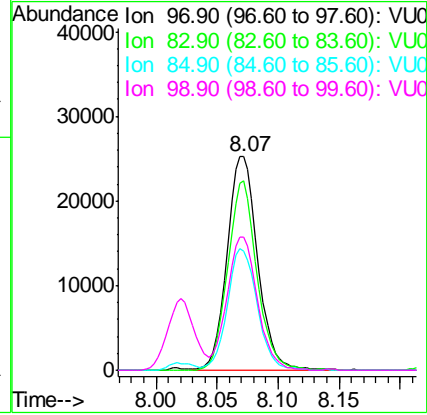
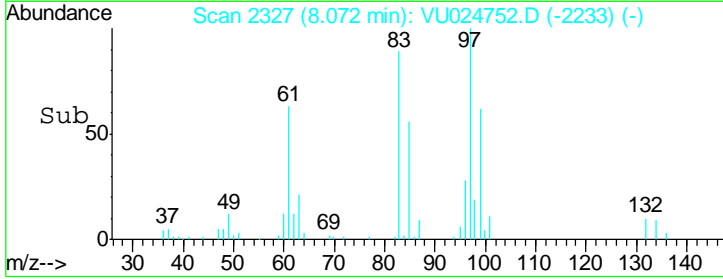
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01



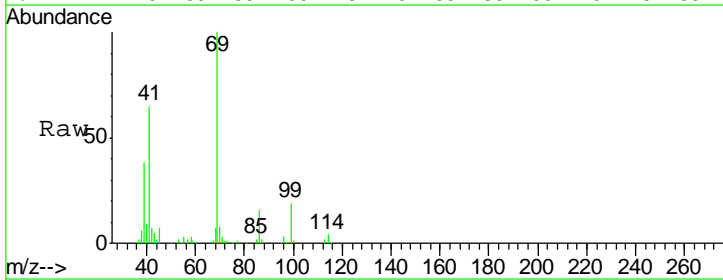
Tgt Ion: 97 Resp: 44577

Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.5	105.7
85	55.8	46.4	69.6
99	62.4	50.2	75.2

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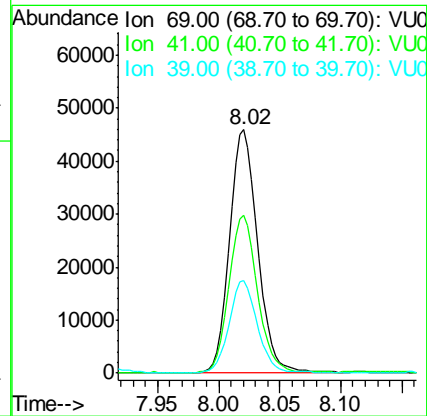
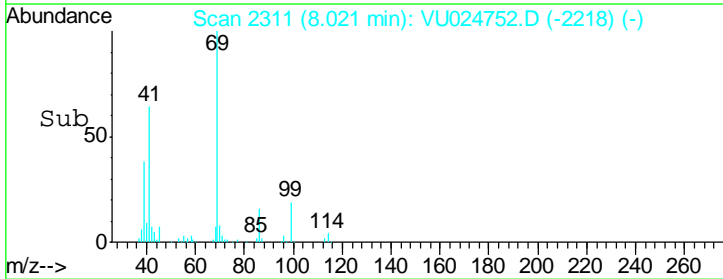


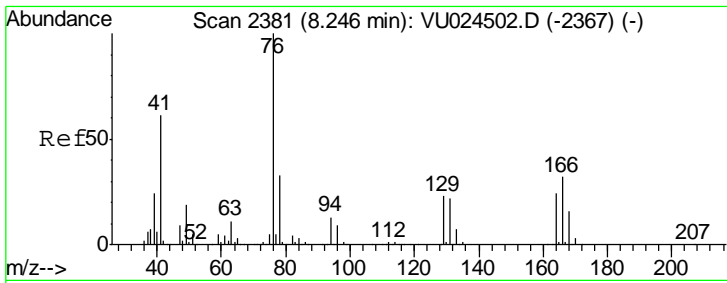
#56
 Ethyl methacrylate
 Concen: 19.34 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56



Tgt Ion: 69 Resp: 74722

Ion	Ratio	Lower	Upper
69	100		
41	65.0	54.1	81.1
39	38.2	30.3	45.5



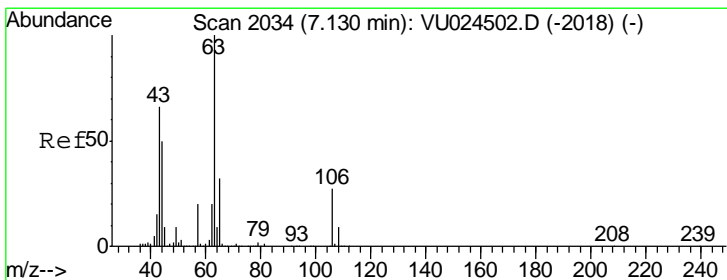
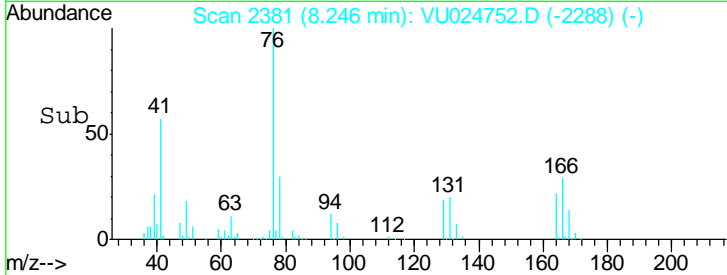
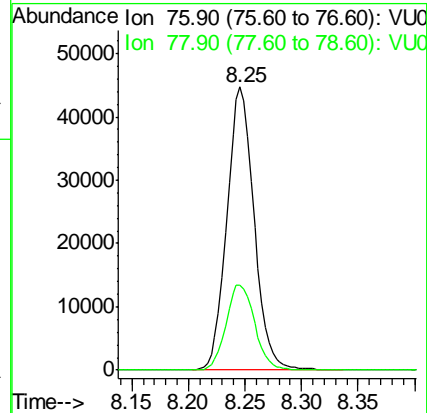
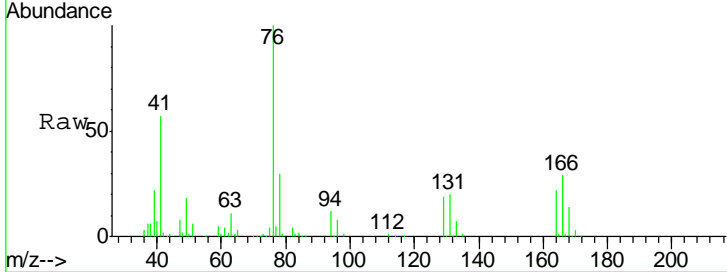


#57
 1,3-Dichloropropane
 Concen: 19.27 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
76	75014		
76	100		
78	31.7	25.2	37.8

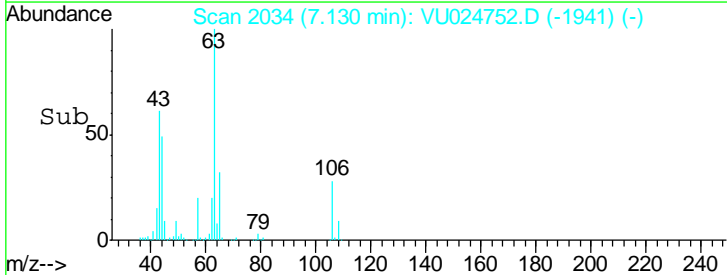
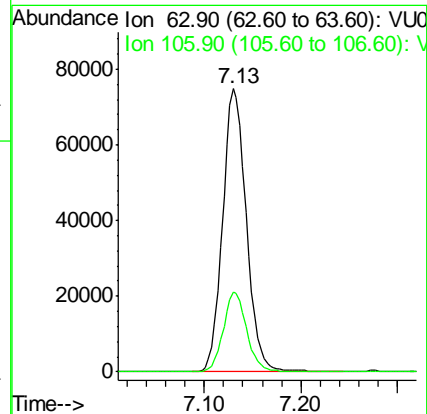
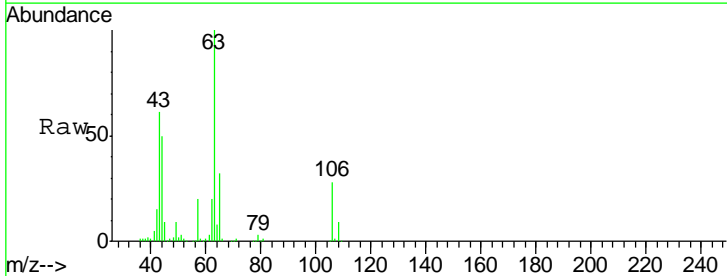
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

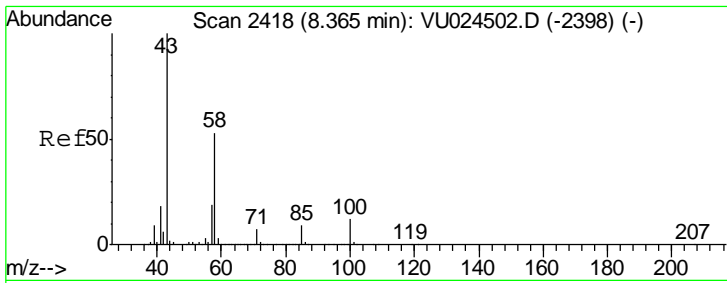
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#58
 2-Chloroethyl Vinyl ether
 Concen: 85.97 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
63	127244		
63	100		
106	28.0	20.2	30.2



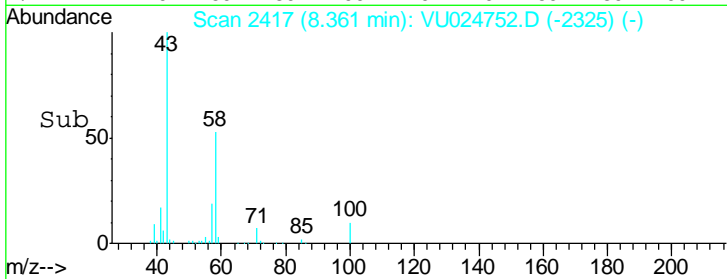
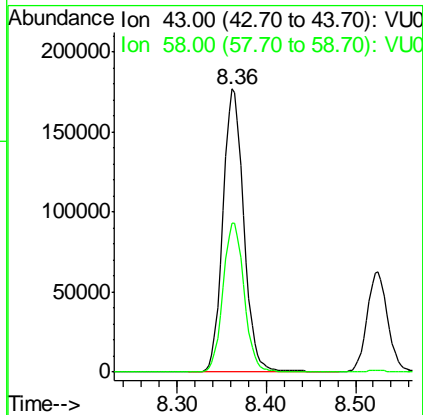
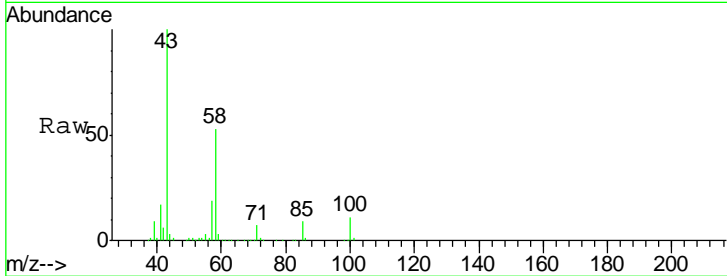


#59
 2-Hexanone
 Concen: 96.19 ug/l
 RT: 8.36 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
43	100		
58	53.2	26.4	79.0

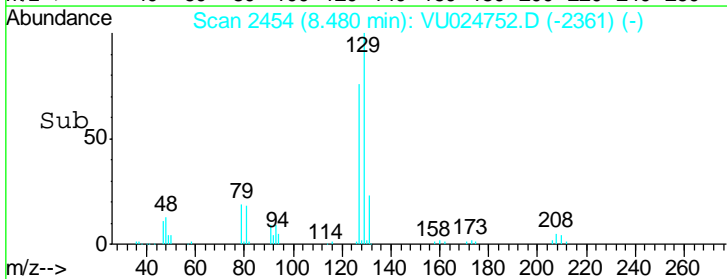
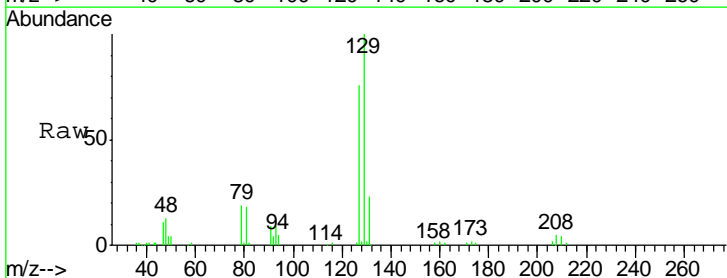
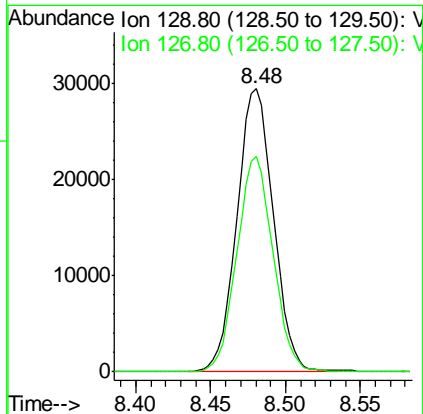
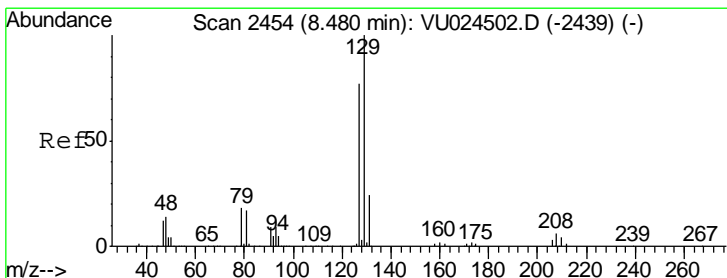
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

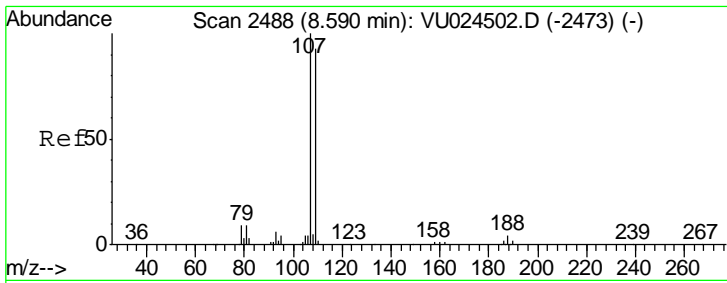
Manual Integrations APPROVED
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#60
 Dibromochloromethane
 Concen: 17.39 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

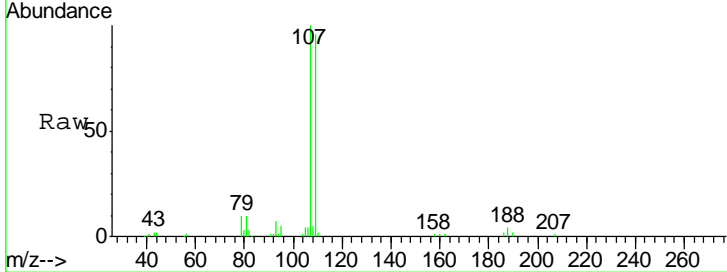
Tgt Ion	Resp	Lower	Upper
129	100		
127	75.4	38.6	116.0





#61
 1,2-Dibromoethane
 Concen: 18.35 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

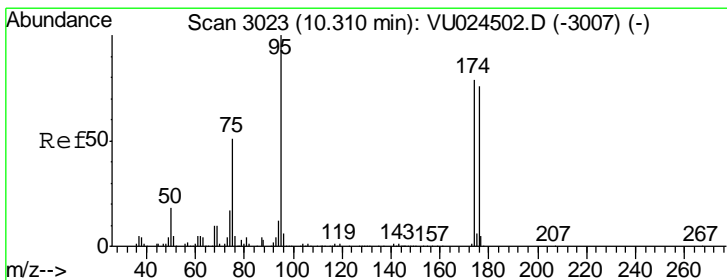
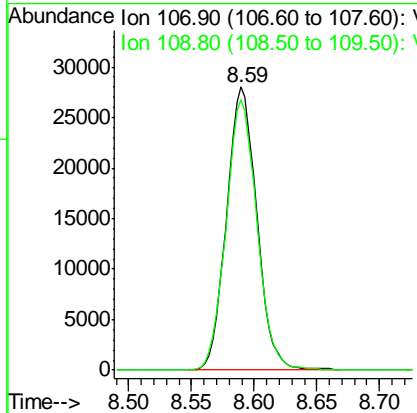
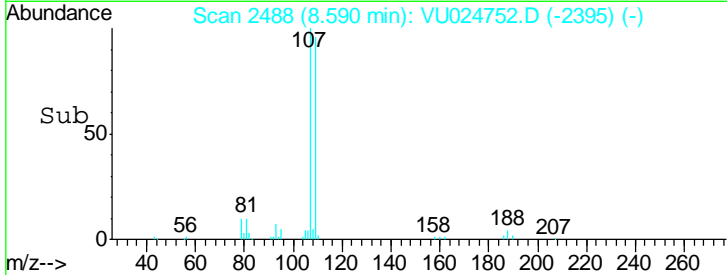
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01



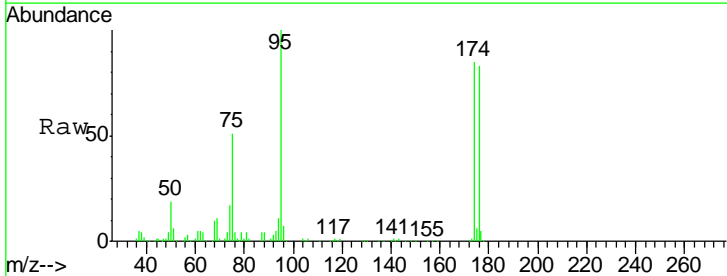
Tgt Ion: 107 Resp: 47149

Ion	Ratio	Lower	Upper
107	100		
109	97.4	74.5	111.7

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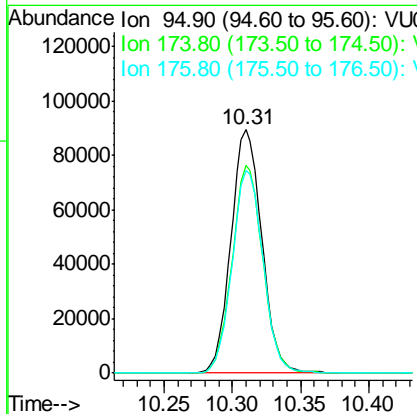
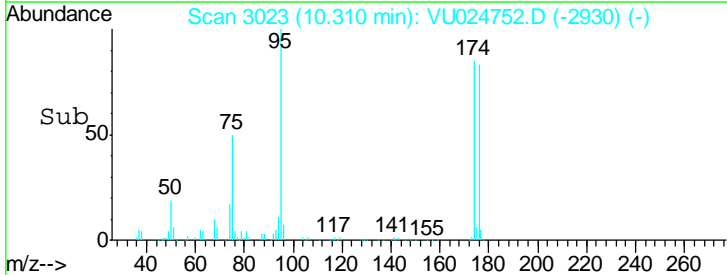


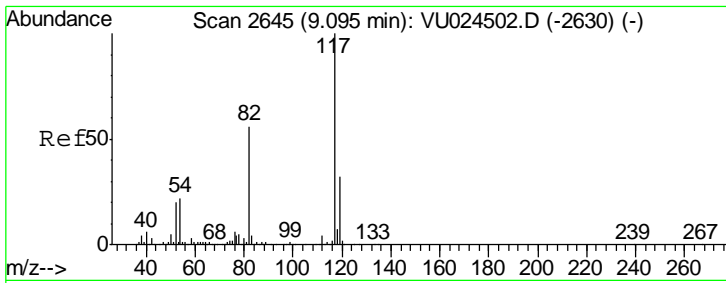
#62
 4-Bromofluorobenzene
 Concen: 44.35 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56



Tgt Ion: 95 Resp: 140498

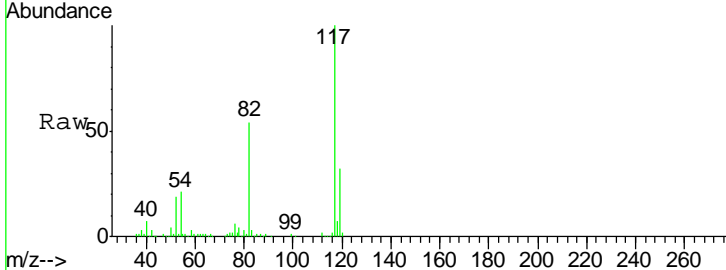
Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	165.8
176	83.5	0.0	159.4





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

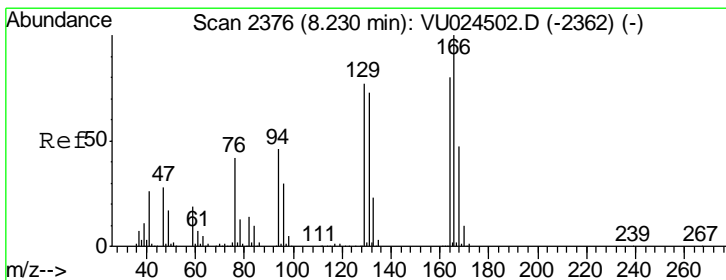
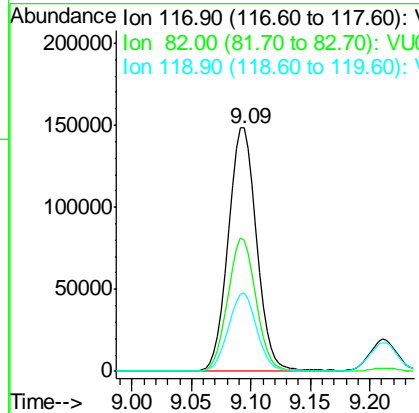
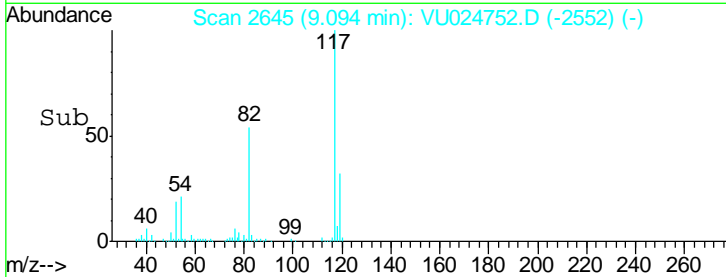
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01



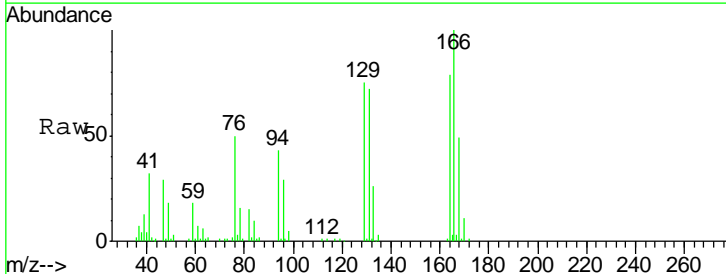
Tgt Ion: 117 Resp: 246105

Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.3	66.5
119	32.0	25.4	38.2

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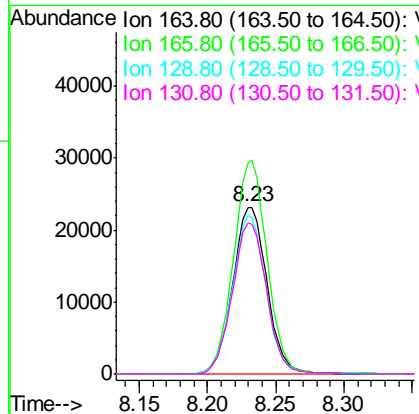
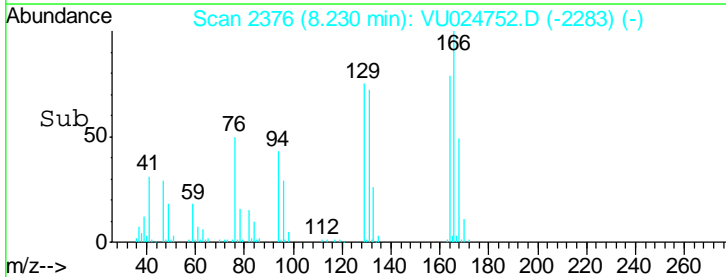


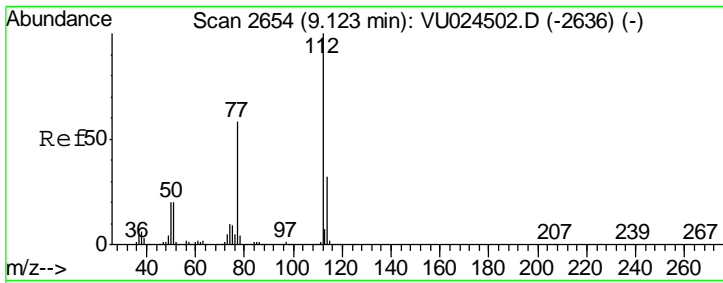
#64
 Tetrachloroethene
 Concen: 17.26 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56



Tgt Ion: 164 Resp: 40367

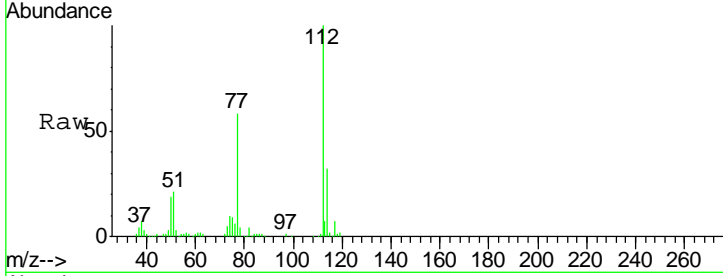
Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.7	152.5
129	95.0	76.9	115.3
131	90.7	74.9	112.3





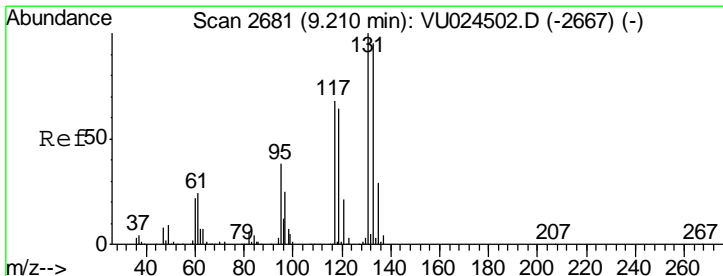
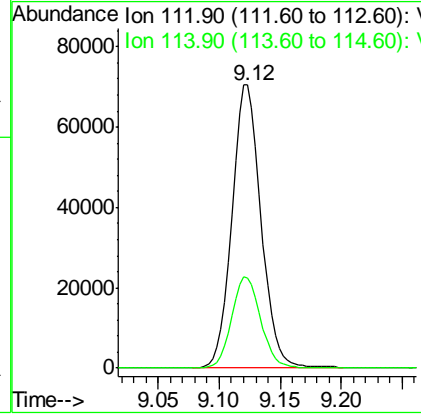
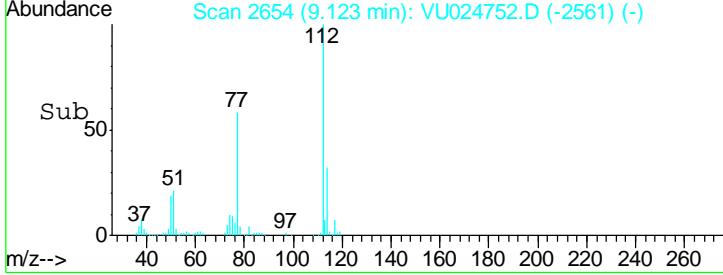
#65
 Chlorobenzene
 Concen: 18.70 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

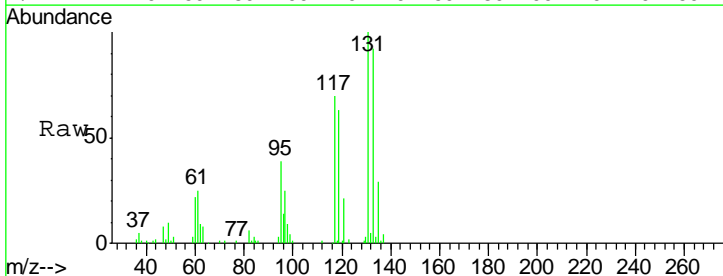


Tgt Ion: 112 Resp: 117542
 Ion Ratio Lower Upper
 112 100
 114 31.9 25.6 38.4

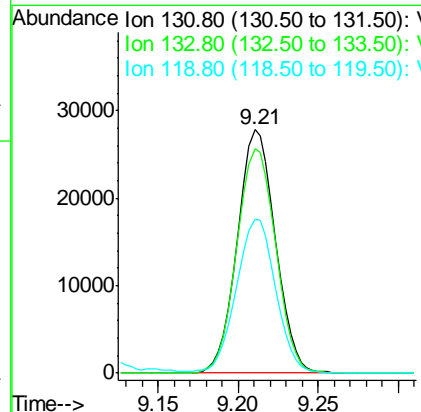
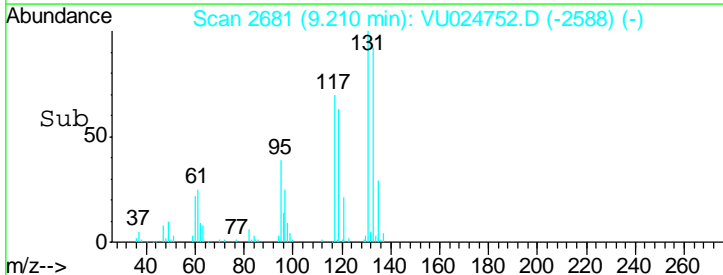
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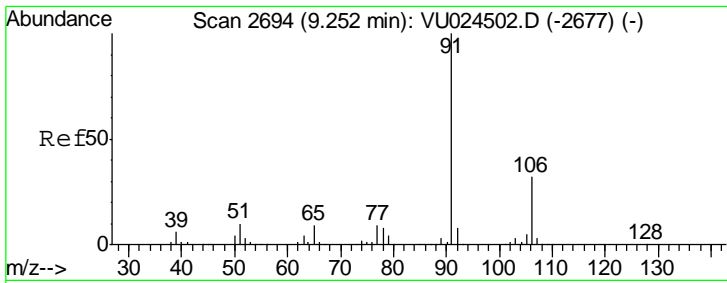


#66
 1,1,1,2-Tetrachloroethane
 Concen: 18.83 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56



Tgt Ion: 131 Resp: 44976
 Ion Ratio Lower Upper
 131 100
 133 94.5 46.9 140.8
 119 65.4 33.5 100.4



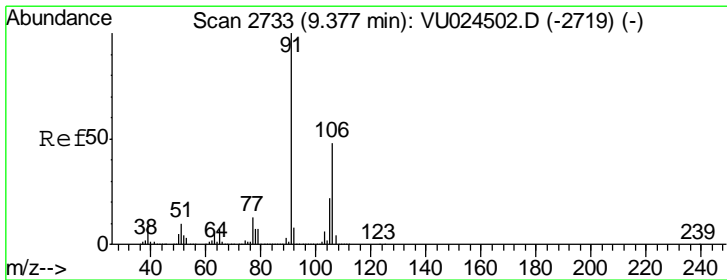
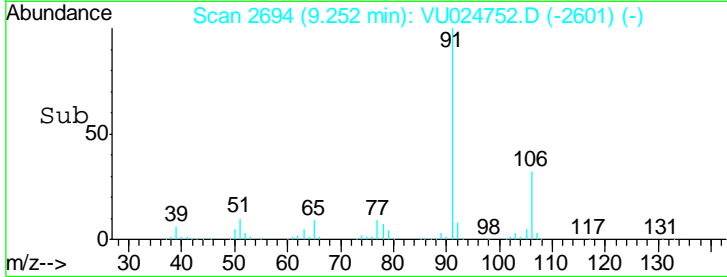
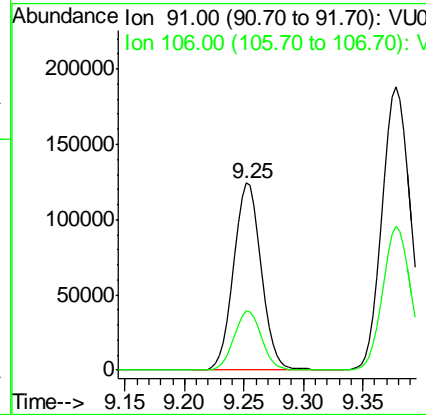
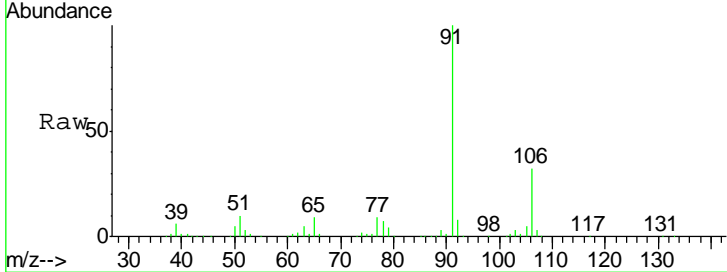


#67
 Ethyl Benzene
 Concen: 18.19 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.5	24.2	36.4

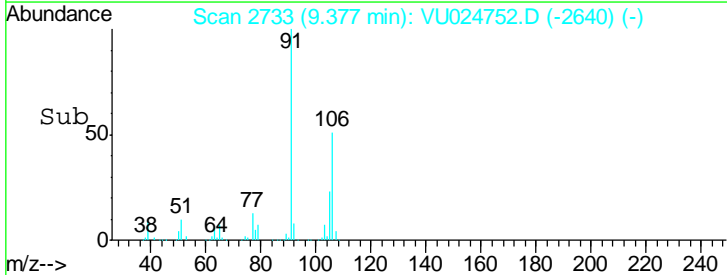
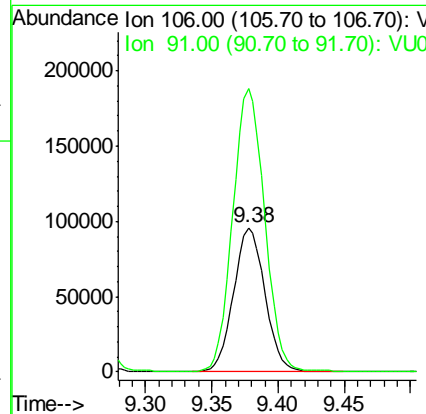
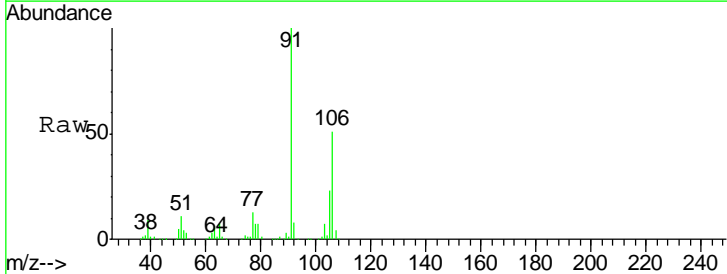
Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

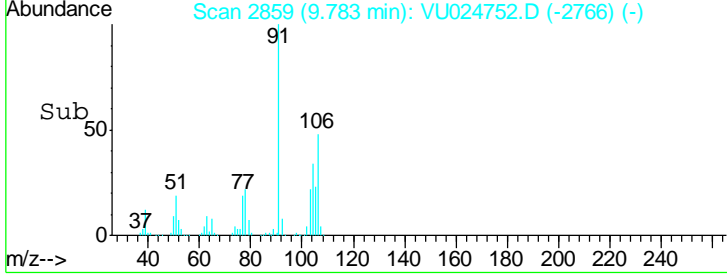
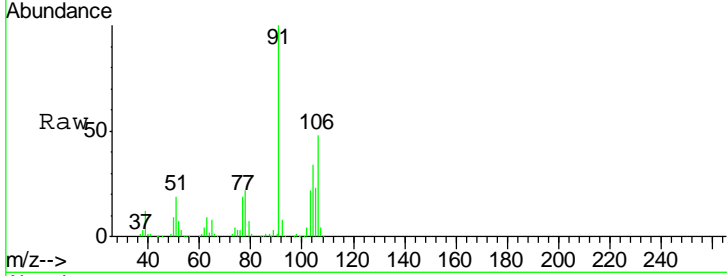
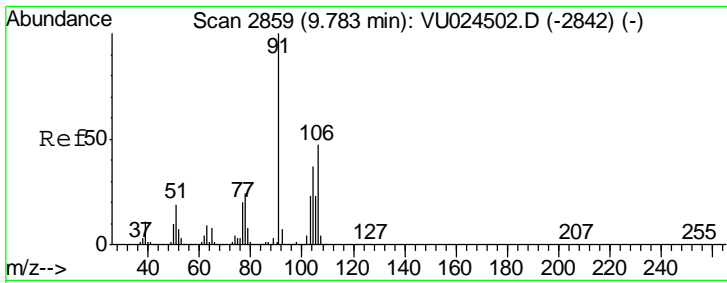
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#68
 m/p-Xylenes
 Concen: 37.33 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
106	100		
91	198.7	166.5	249.7



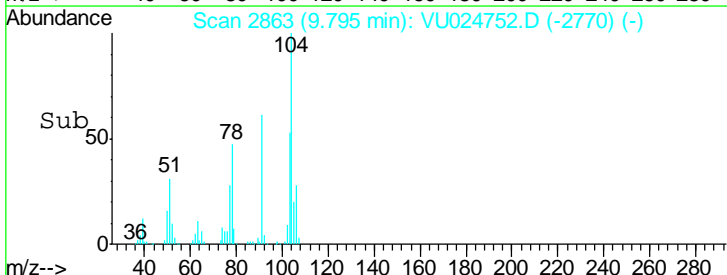
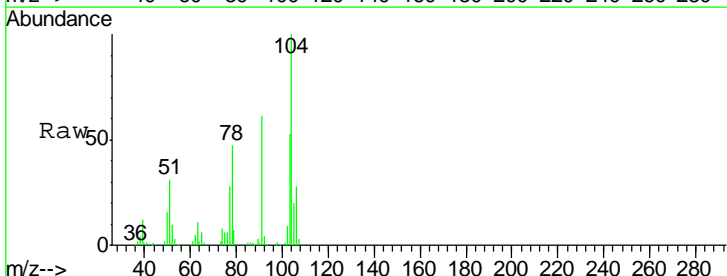
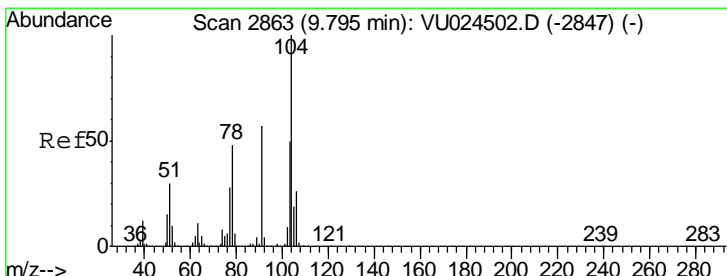
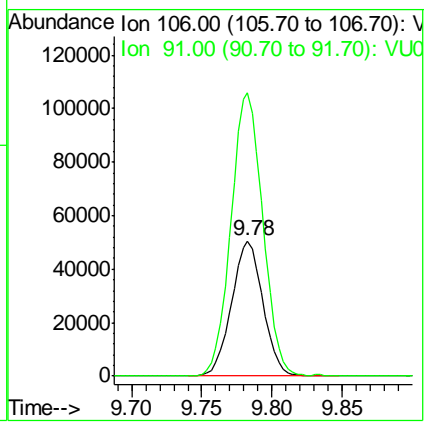


#69
 o-Xylene
 Concen: 18.80 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
106	78750		
106	100		
91	211.9	110.7	331.9

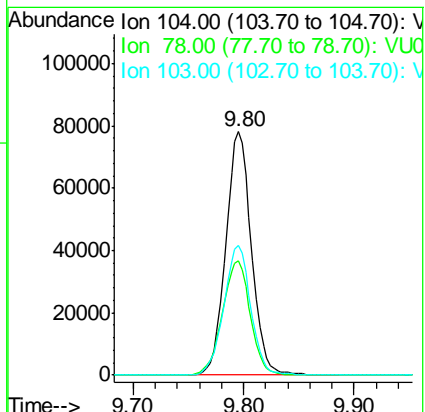
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

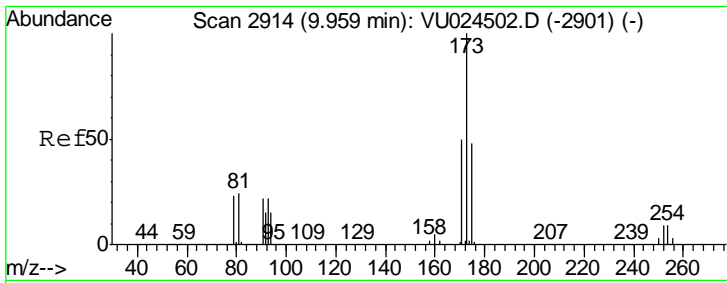
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#70
 Styrene
 Concen: 18.23 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

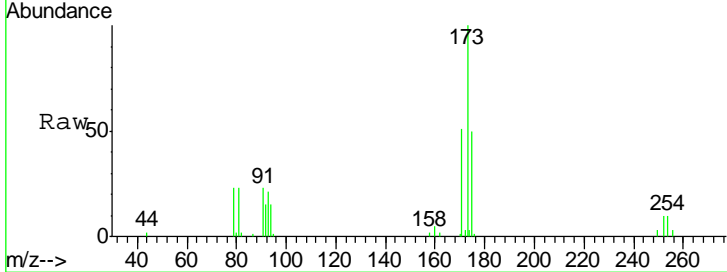
Tgt Ion	Resp	Lower	Upper
104	125494		
104	100		
78	51.1	40.6	60.8
103	56.2	44.7	67.1





#71
 Bromoform
 Concen: 17.66 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

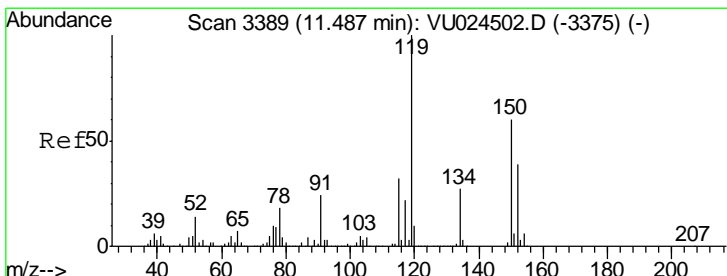
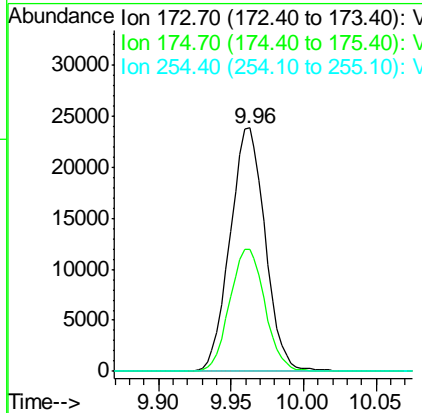
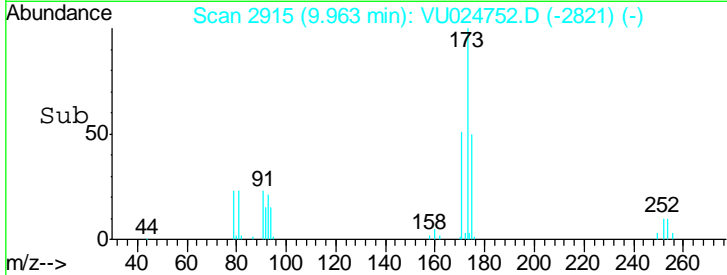
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01



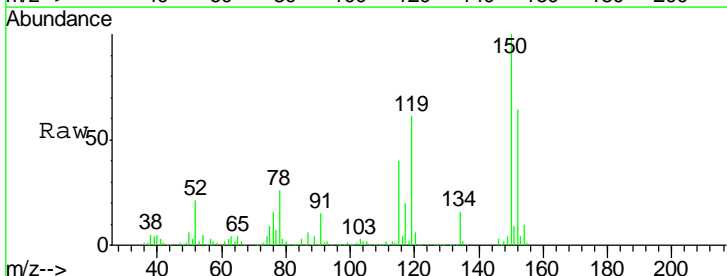
Tgt Ion: 173 Resp: 40089

Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.6	74.0
254	0.0	0.0	0.0

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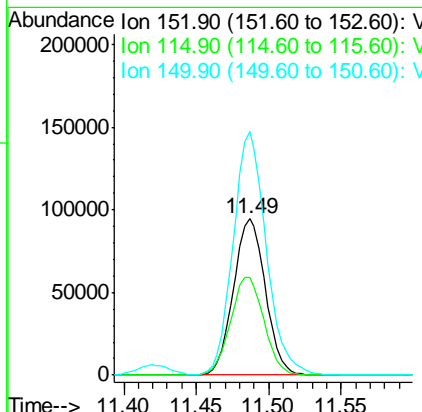
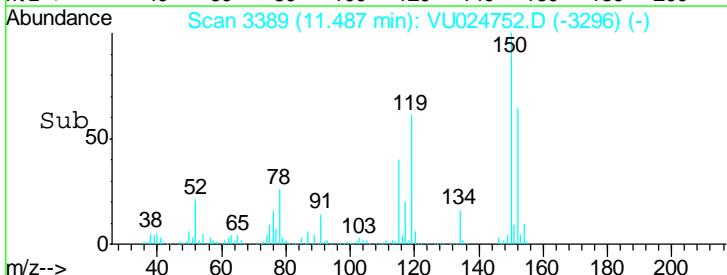


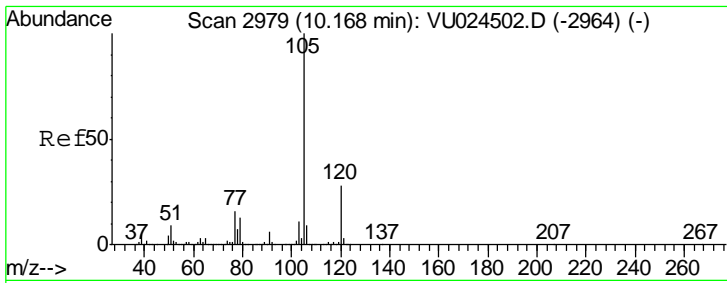
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56



Tgt Ion: 152 Resp: 144534

Ion	Ratio	Lower	Upper
152	100		
115	65.5	43.0	129.0
150	161.5	0.0	354.0



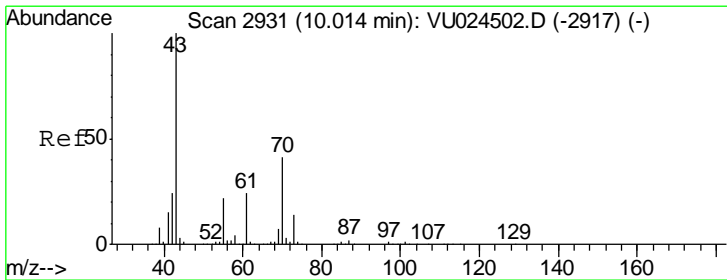
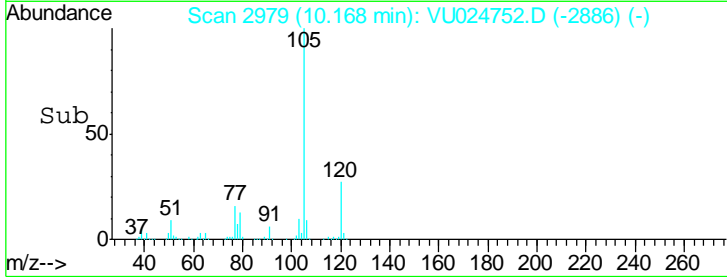
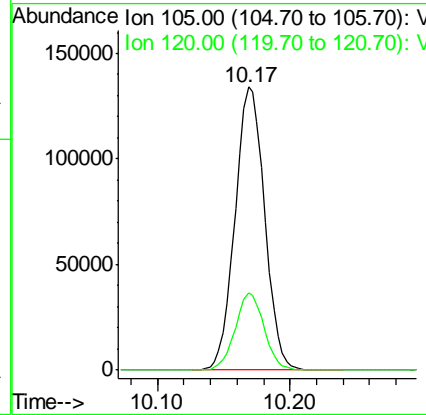
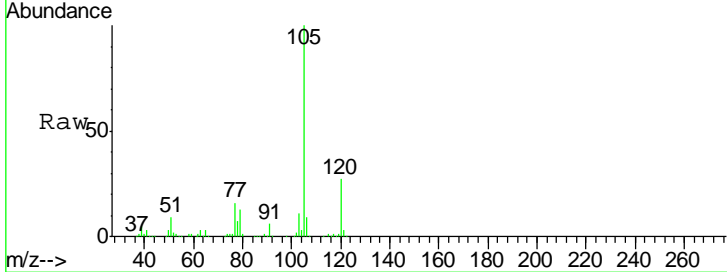


#73
 Isopropylbenzene
 Concen: 18.78 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

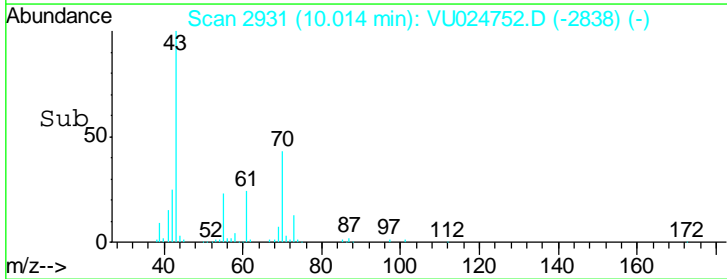
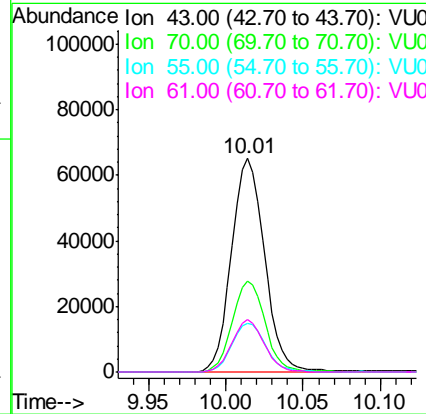
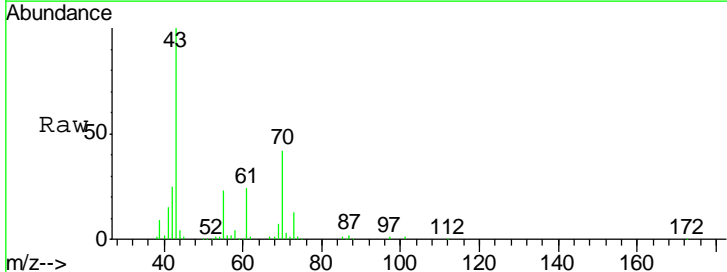
Tgt Ion	Resp	Lower	Upper
105	208399		
105	100		
120	26.6	13.2	39.6

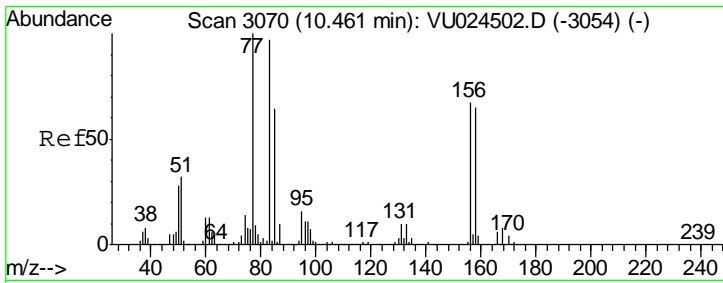
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#74
 N-aryl acetate
 Concen: 18.32 ug/l
 RT: 10.01 min Scan# 2931
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
43	96698		
43	100		
70	42.0	32.2	48.4
55	23.3	20.5	30.7
61	23.7	18.7	28.1



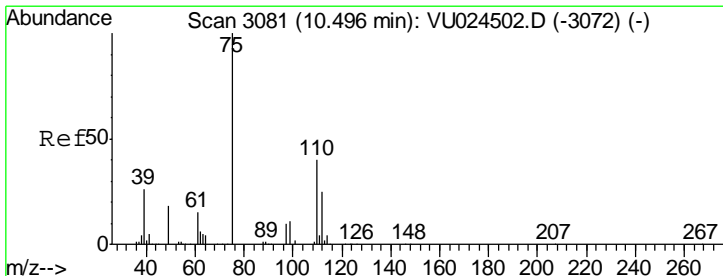
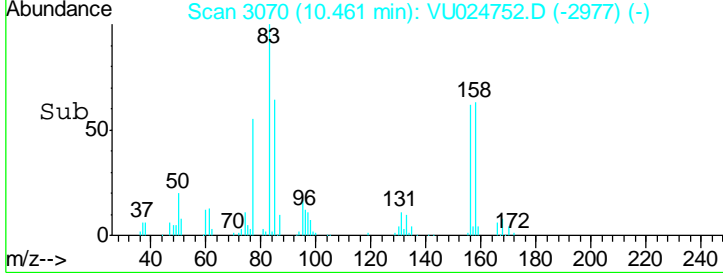
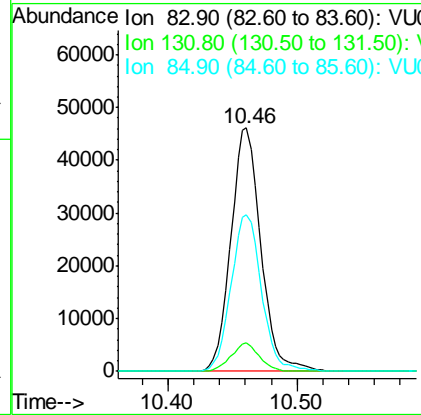
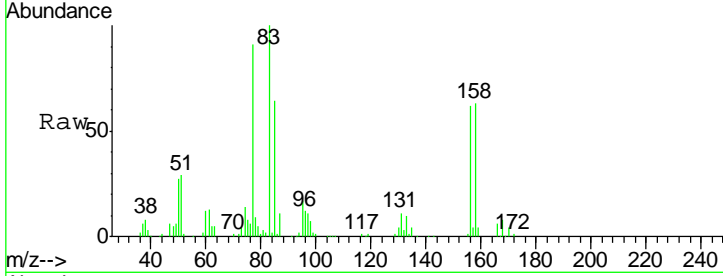


#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.02 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

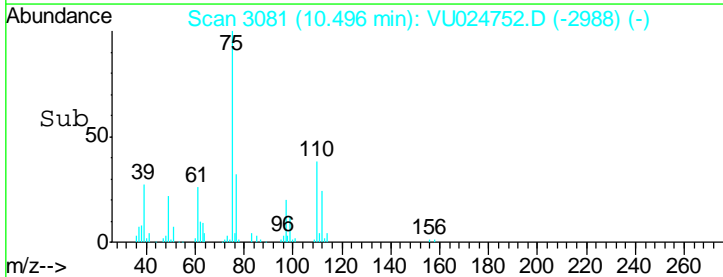
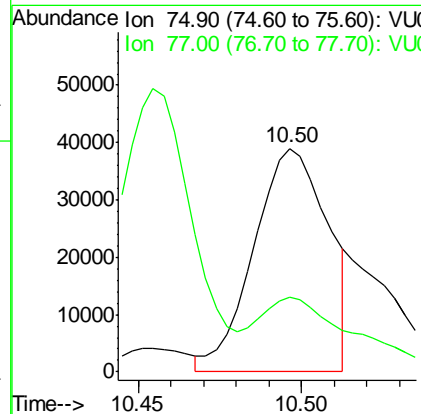
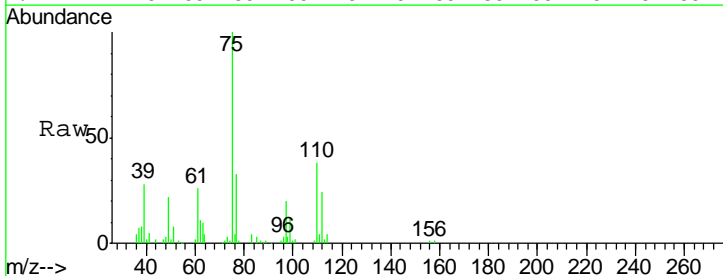
Tgt Ion	Resp	Lower	Upper
83	100		
131	10.8	4.7	14.1
85	65.5	32.5	97.5

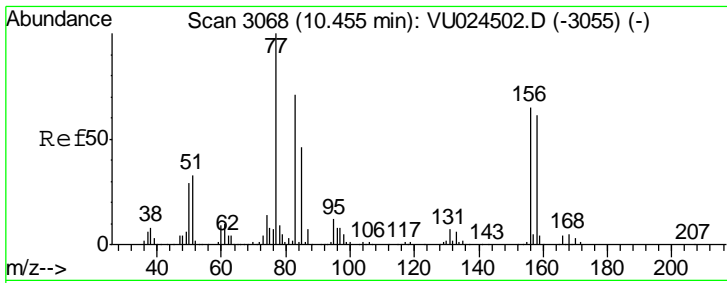
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#76
 1,2,3-Trichloropropane
 Concen: 19.40 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
75	100		
77	44.3	20.9	62.7



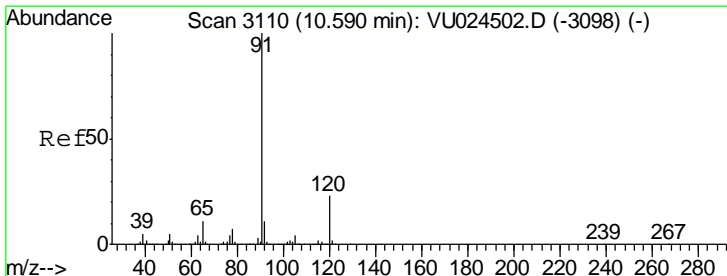
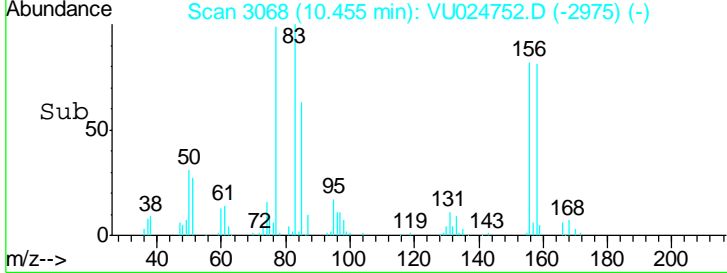
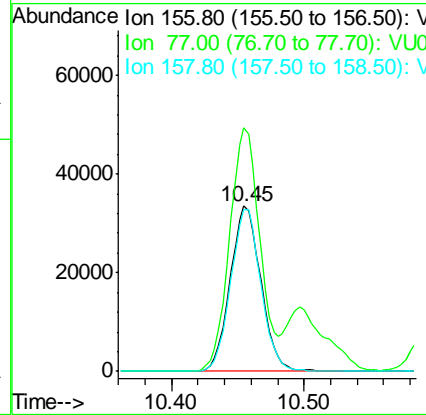
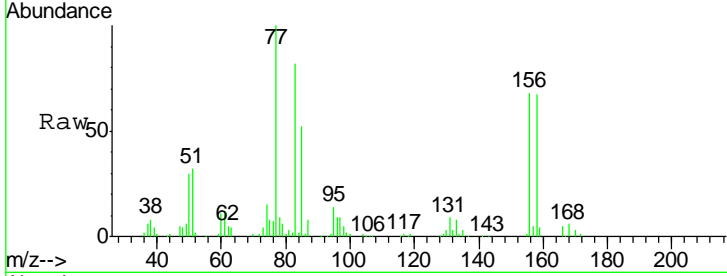


#77
 Bromobenzene
 Concen: 19.18 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

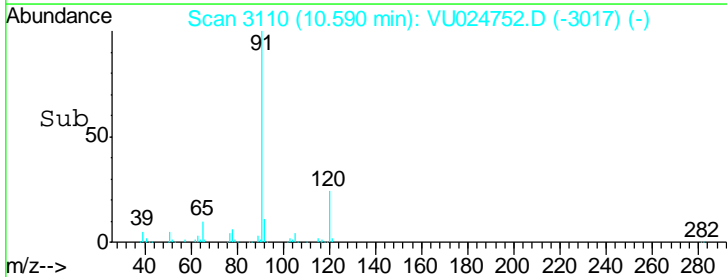
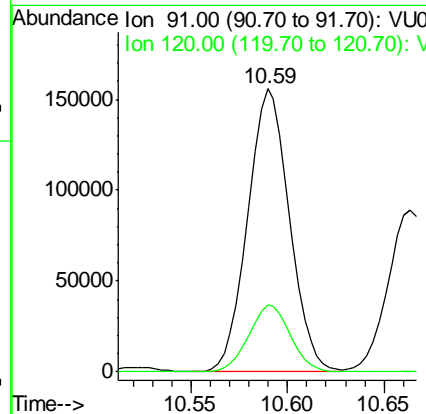
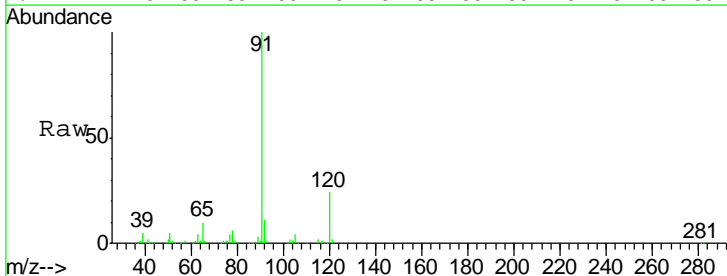
Tgt Ion	Resp	Lower	Upper
156	53879		
77	146.1	80.5	241.3
158	96.6	48.2	144.6

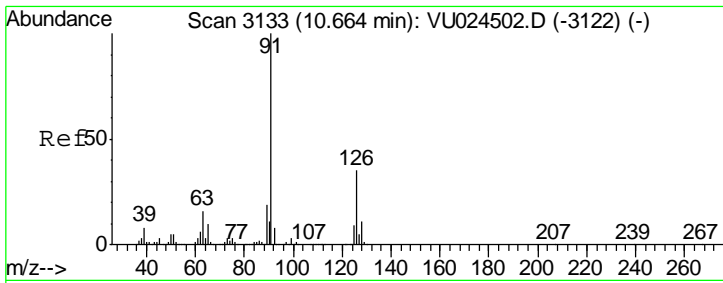
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#78
 n-propylbenzene
 Concen: 17.86 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
91	233468		
120	23.7	11.2	33.5



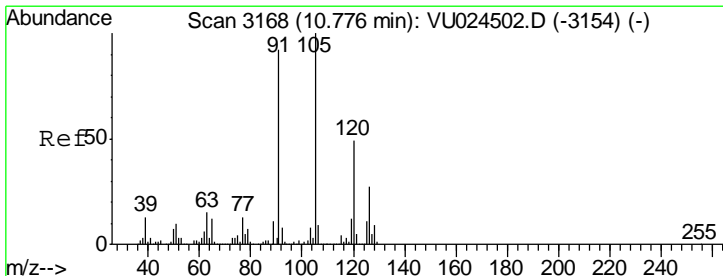
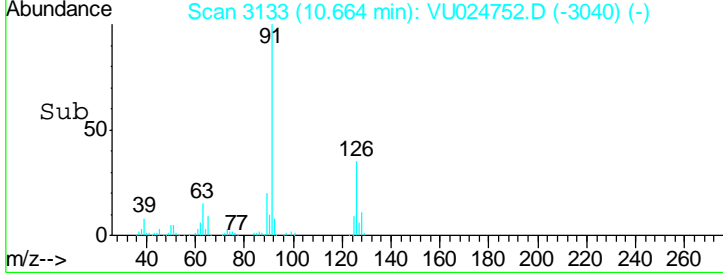
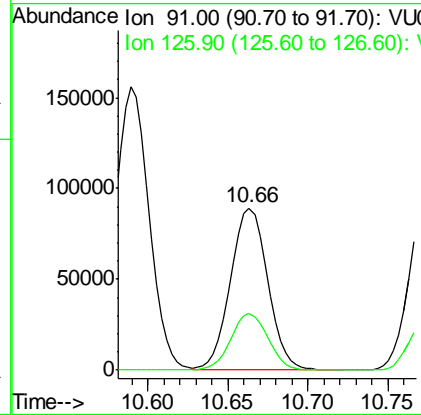
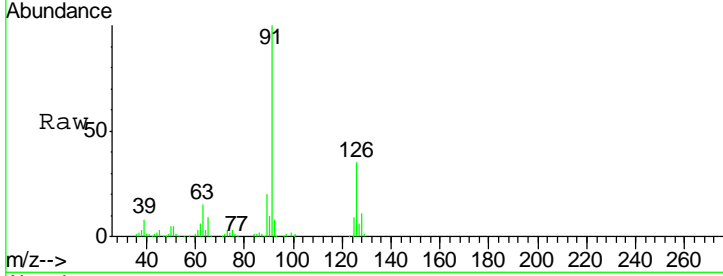


#79
 2-Chlorotoluene
 Concen: 18.18 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

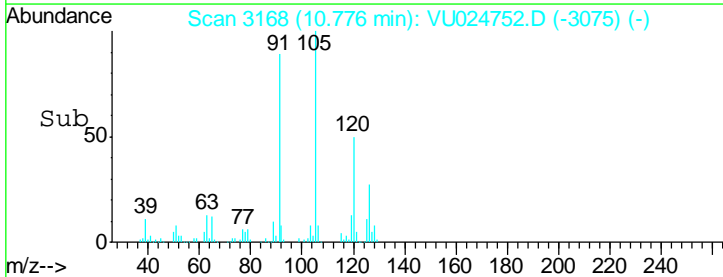
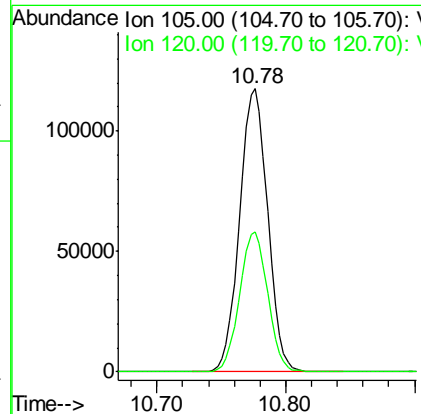
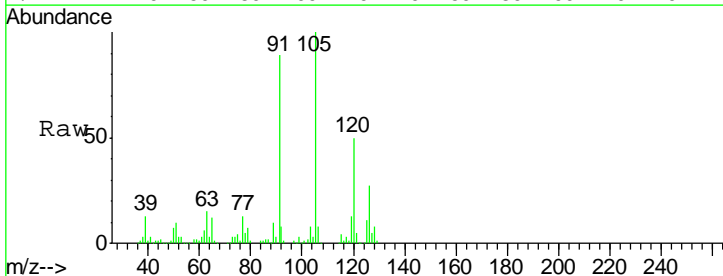
Tgt Ion	Resp	Lower	Upper
91	140114		
91	100		
126	35.2	16.9	50.7

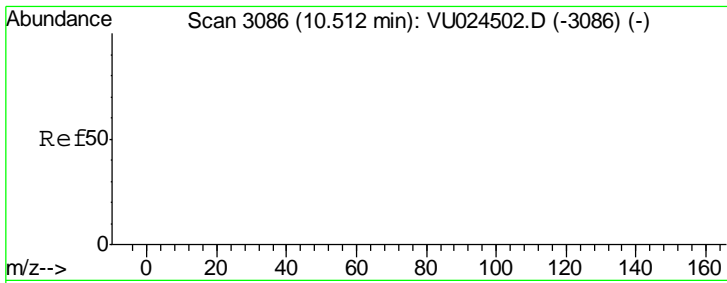
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.48 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
105	177714		
105	100		
120	49.4	24.1	72.2



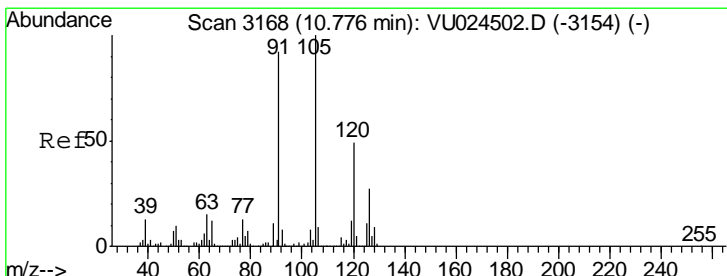
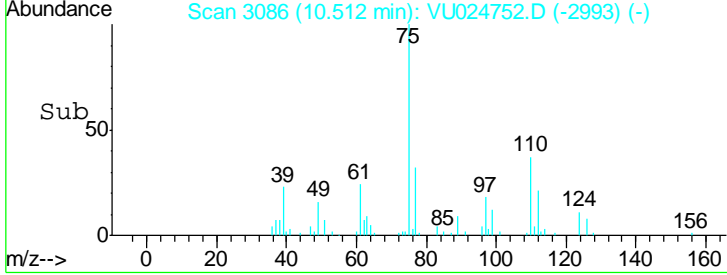
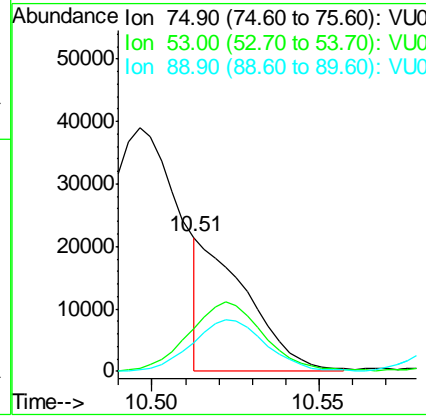
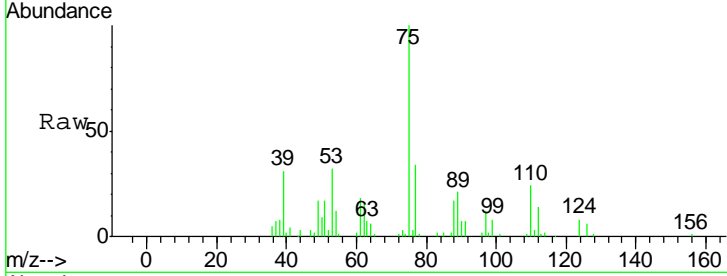


#81
 trans-1,4-Dichloro-2-butene
 Concen: 15.66 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

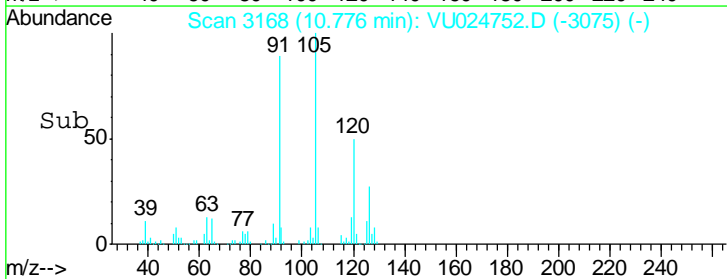
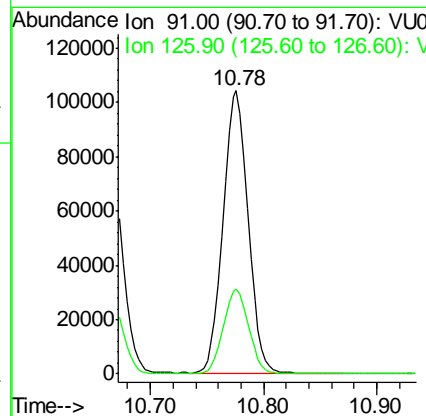
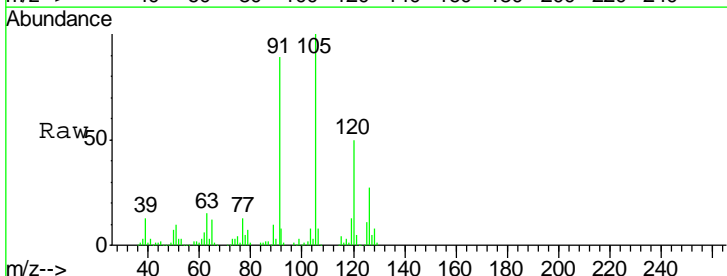
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

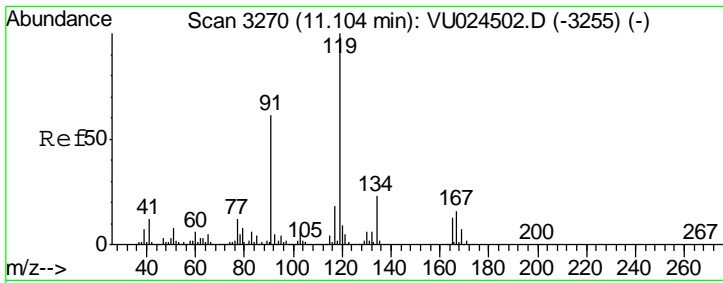
Manual Integrations
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#82
 4-Chlorotoluene
 Concen: 17.90 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	14.9	44.9



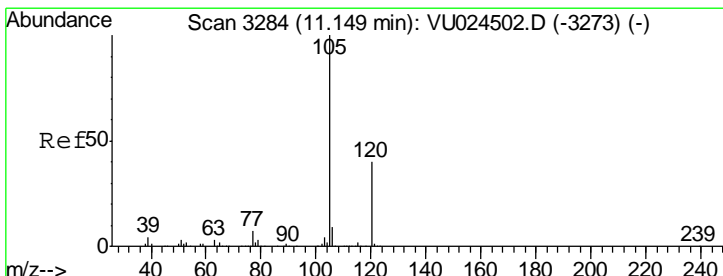
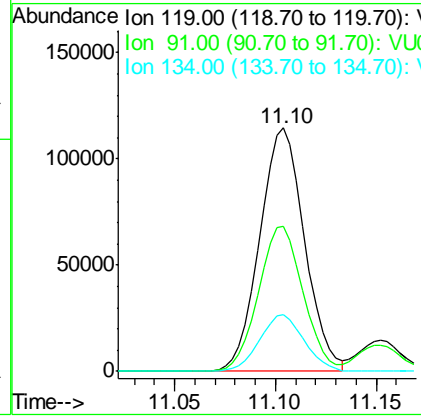
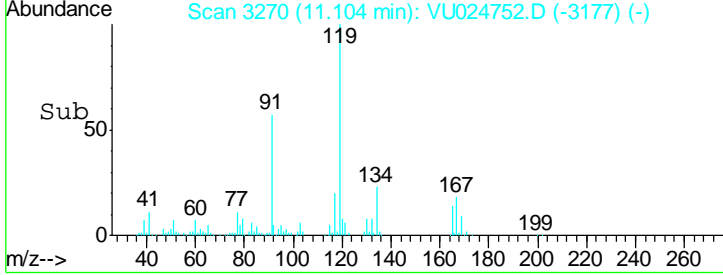
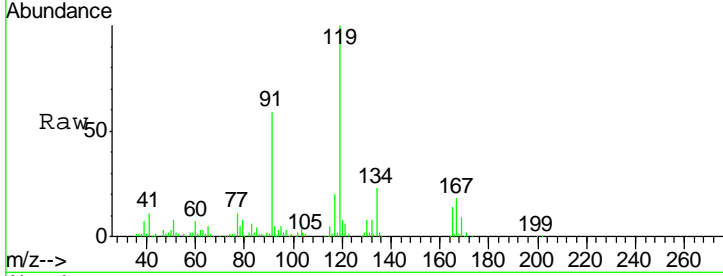


#83
 tert-Butylbenzene
 Concen: 19.19 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

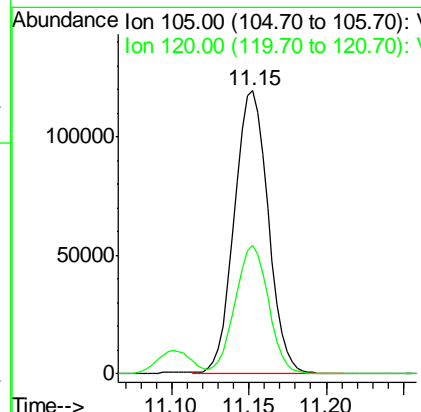
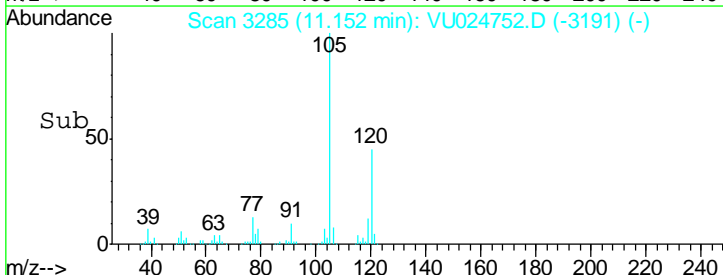
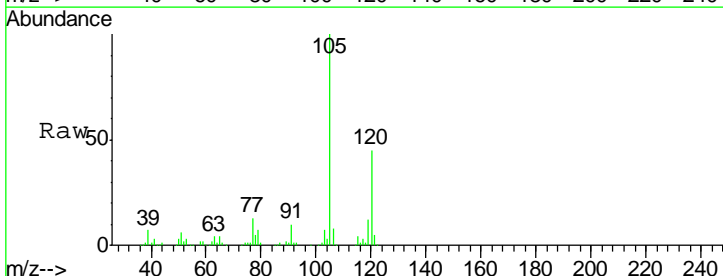
Tgt Ion	Resp	Lower	Upper
119	177544		
91	59.8	29.7	89.1
134	23.1	11.6	34.7

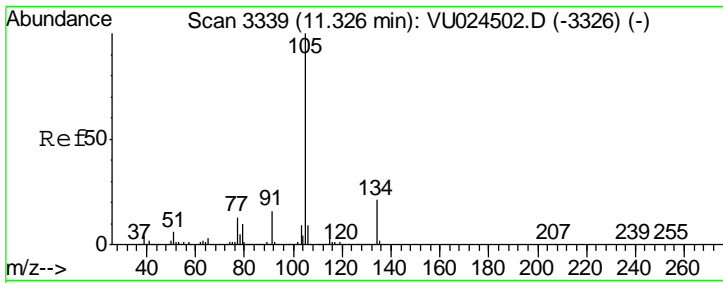
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.47 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
105	181019		
120	44.9	22.6	67.8



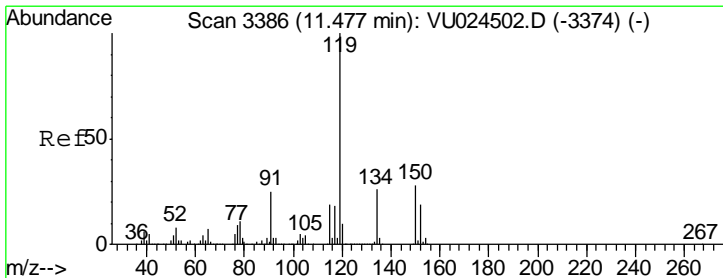
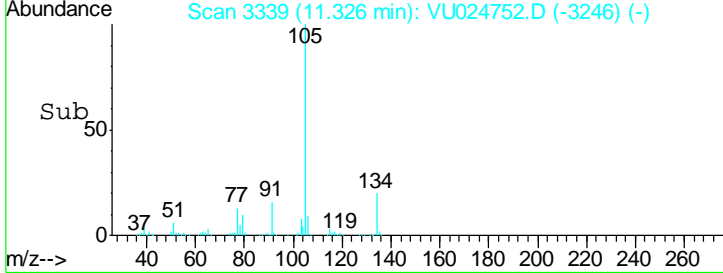
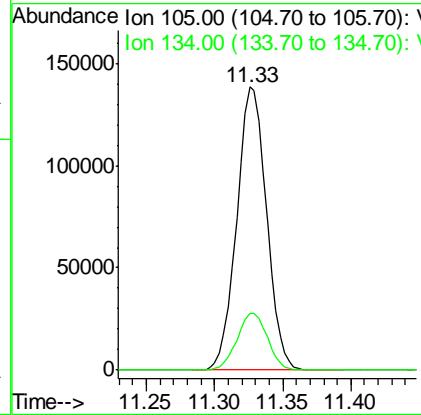
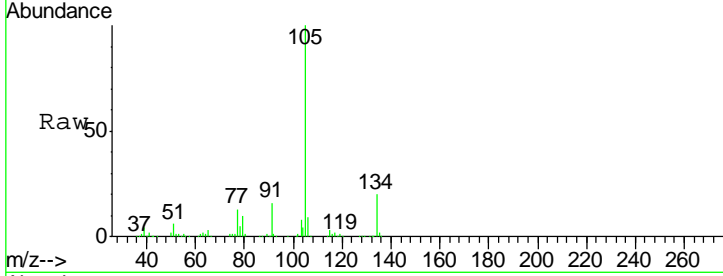


#85
 sec-Butylbenzene
 Concen: 18.13 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

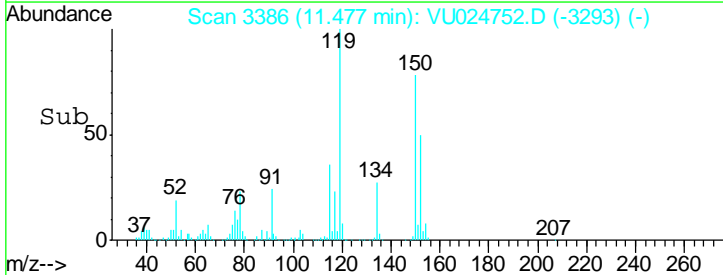
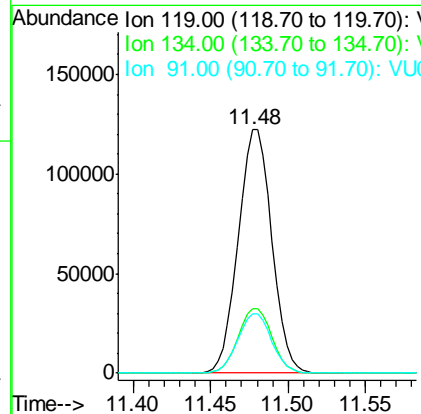
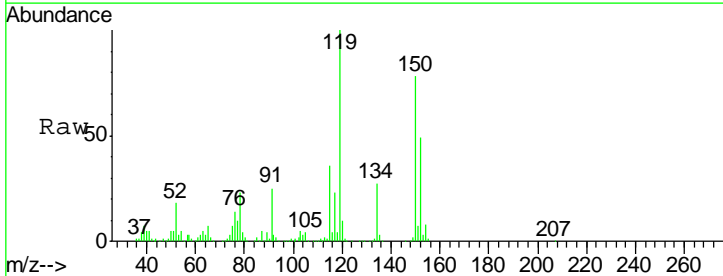
Tgt Ion	Resp	Lower	Upper
105	209986		
105	100		
134	20.5	9.7	29.1

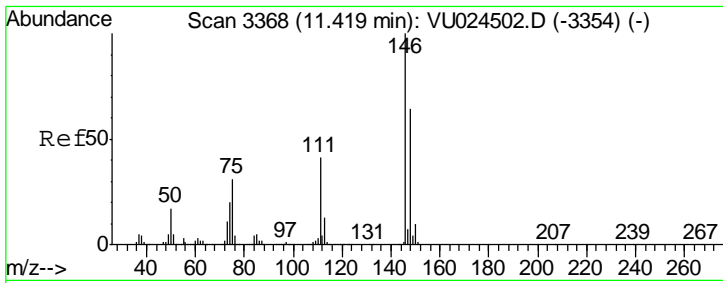
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 17.70 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

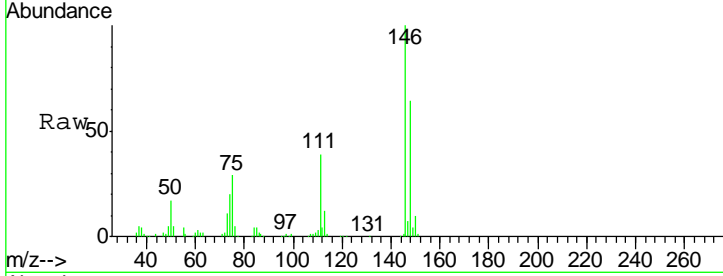
Tgt Ion	Resp	Lower	Upper
119	183570		
119	100		
134	26.9	12.9	38.6
91	24.8	12.0	36.1





#87
 1,3-Dichlorobenzene
 Concen: 18.37 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

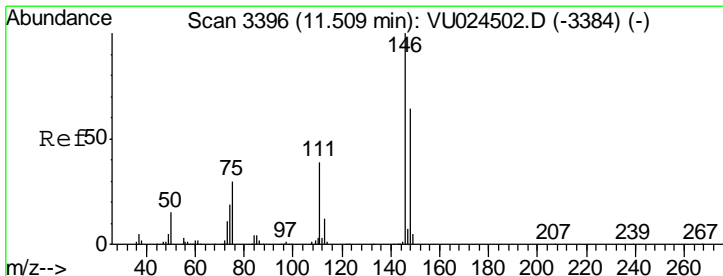
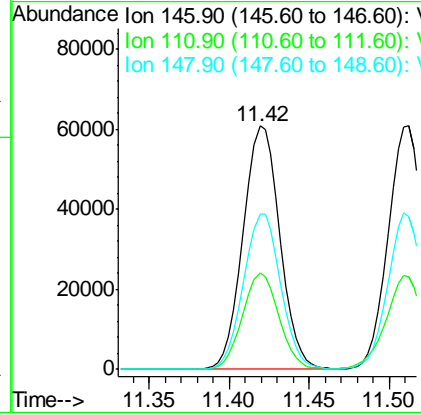
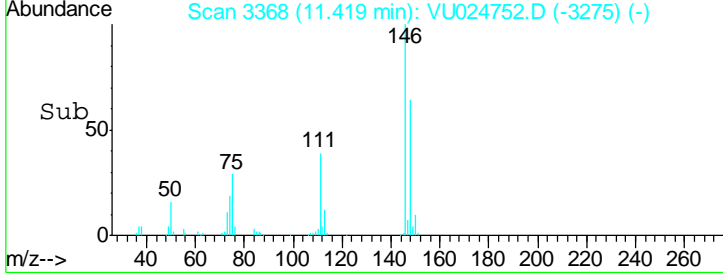
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01



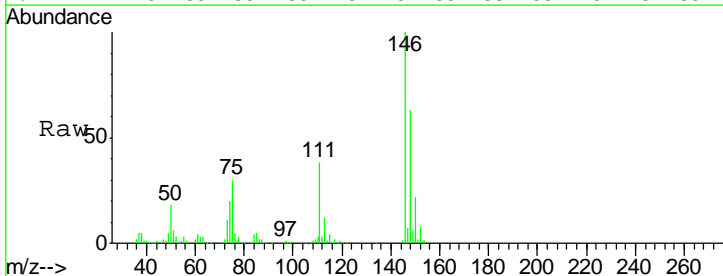
Tgt Ion: 146 Resp: 95350

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	64.5	32.1	96.5

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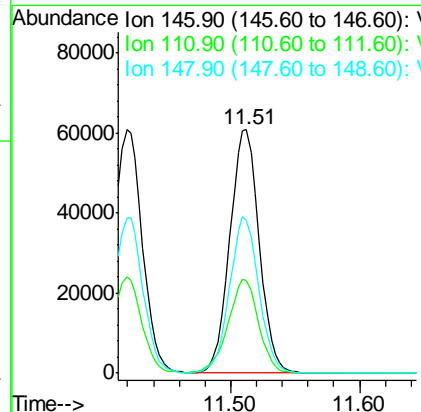
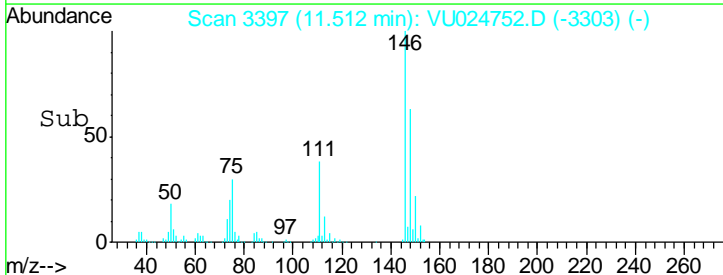


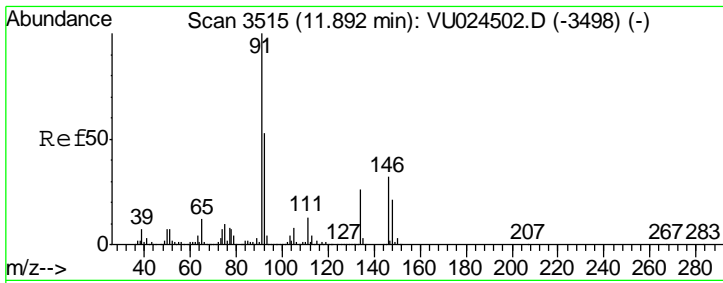
#88
 1,4-Dichlorobenzene
 Concen: 18.39 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56



Tgt Ion: 146 Resp: 96079

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.5	58.5
148	64.1	32.4	97.0



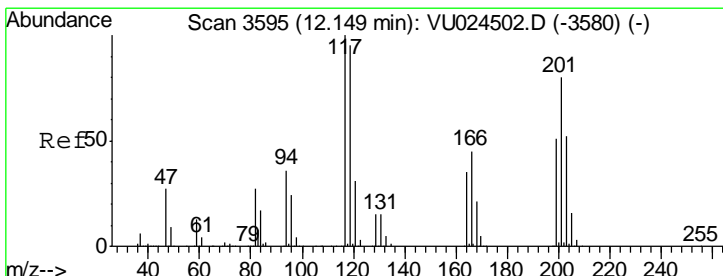
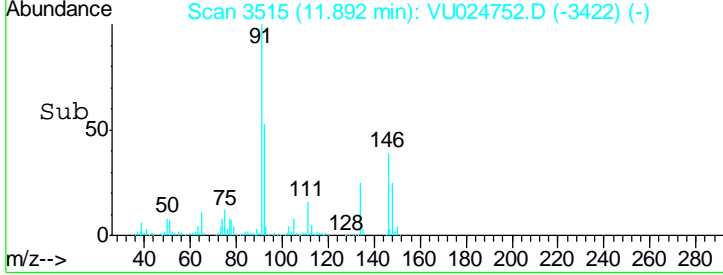
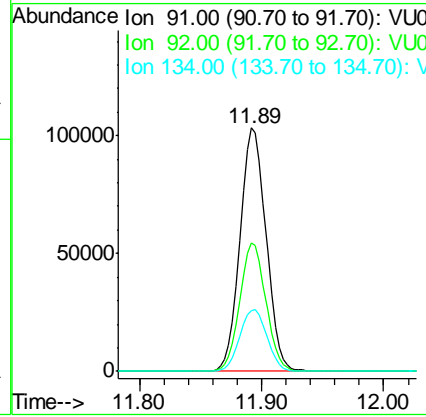
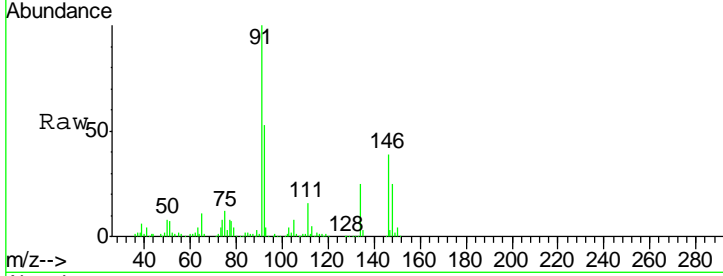


#89
 n-Butylbenzene
 Concen: 16.66 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 ClientSampled : VU0620WBS01

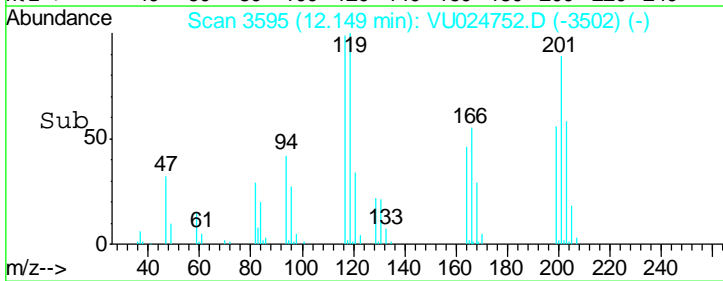
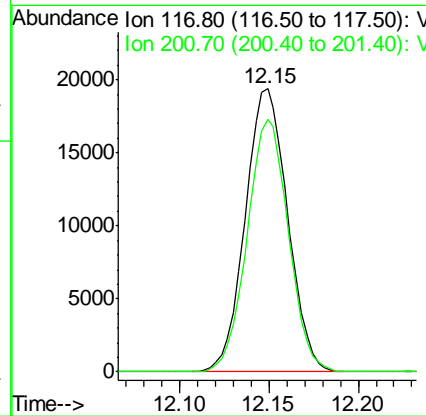
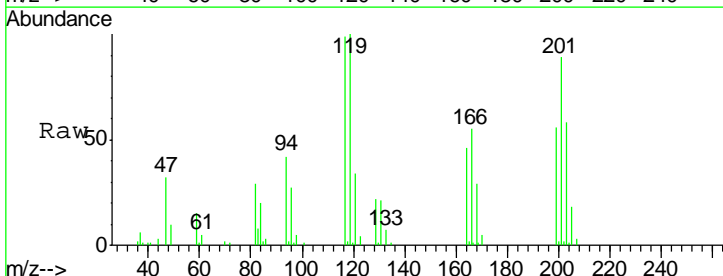
Tgt Ion	Resp	Lower	Upper
91	100		
92	52.8	25.6	76.8
134	26.3	12.3	36.8

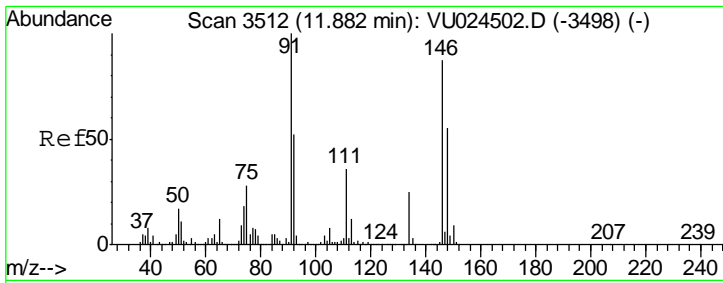
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#90
 Hexachloroethane
 Concen: 15.92 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

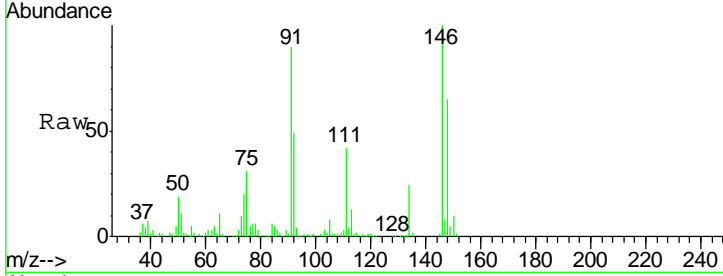
Tgt Ion	Resp	Lower	Upper
117	100		
201	86.8	41.1	123.3





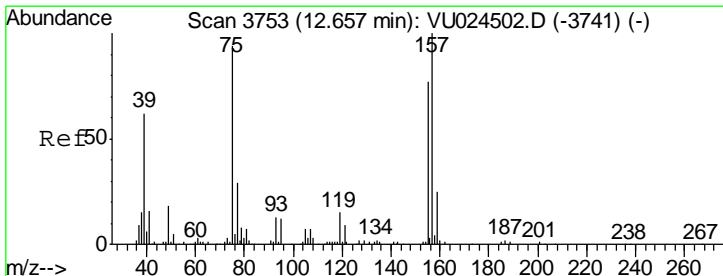
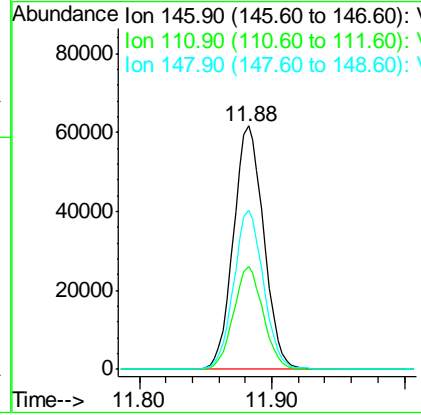
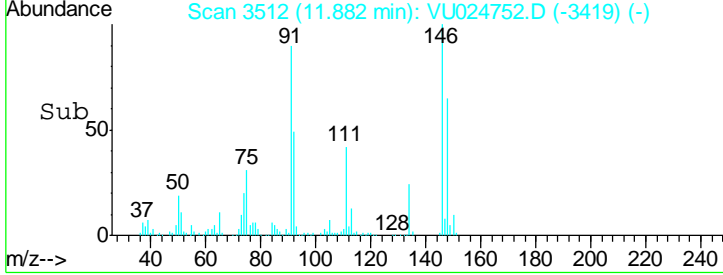
#91
 1,2-Dichlorobenzene
 Concen: 18.87 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

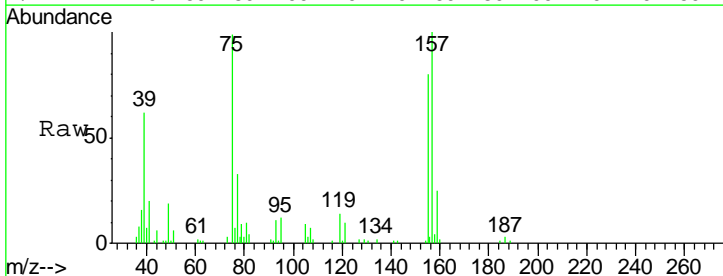


Tgt Ion	Resp	Lower	Upper
146	100		
111	41.0	20.5	61.6
148	64.1	31.9	95.7

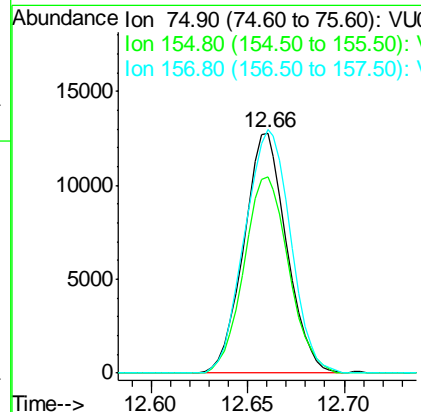
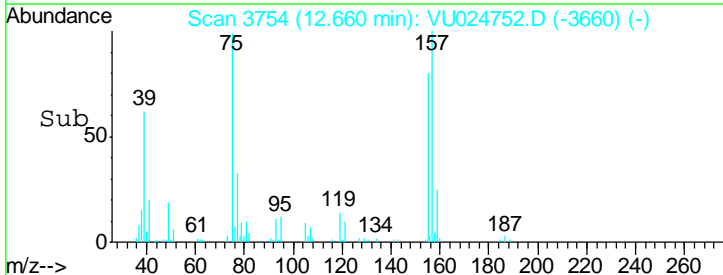
Manual Integrations
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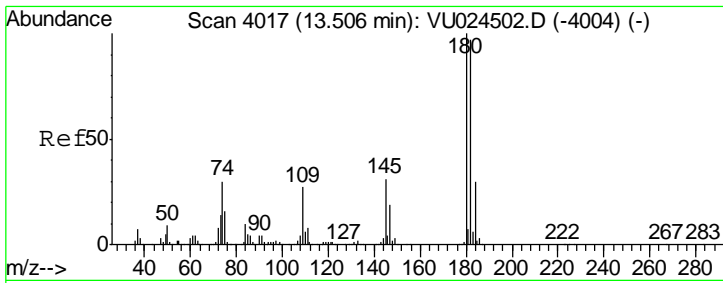


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.17 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56



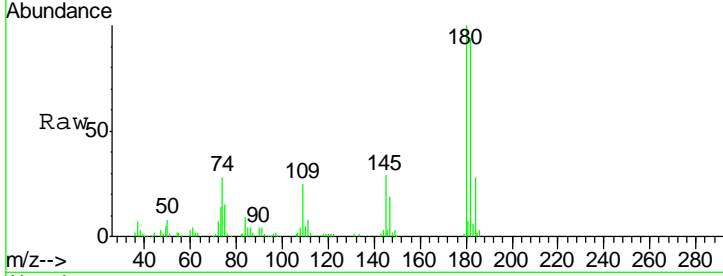
Tgt Ion	Resp	Lower	Upper
75	100		
155	85.4	40.4	121.2
157	108.5	52.3	156.8





#93
 1,2,4-Trichlorobenzene
 Concen: 20.62 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

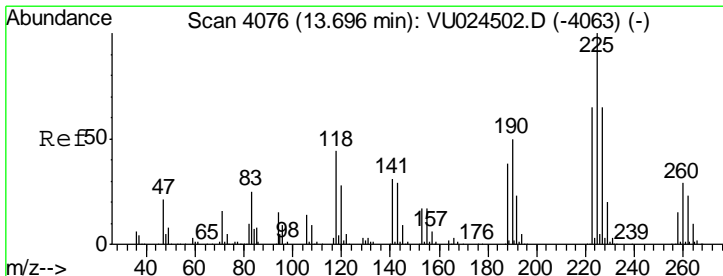
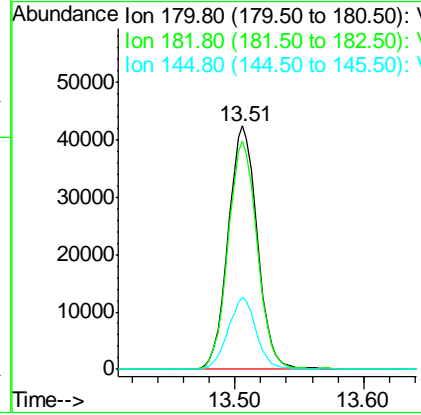
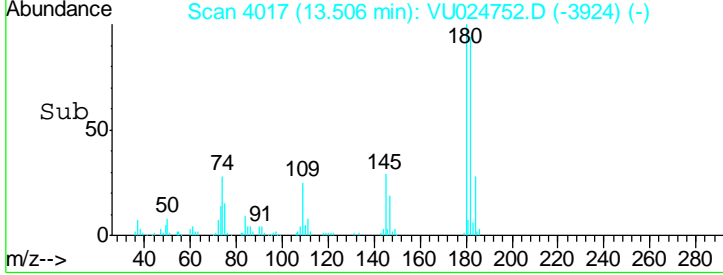
Instrument : MSVOA_U
 Client Sampled : VU0620WBS01



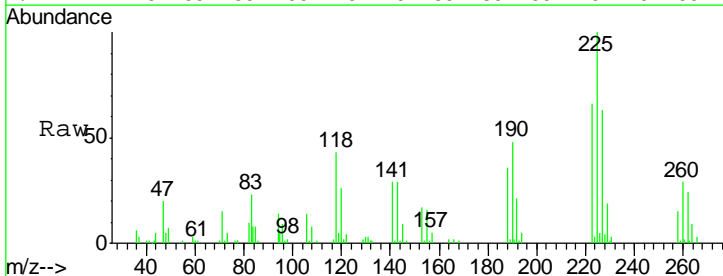
Tgt Ion: 180 Resp: 66189

Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.0	144.2
145	28.4	14.7	44.1

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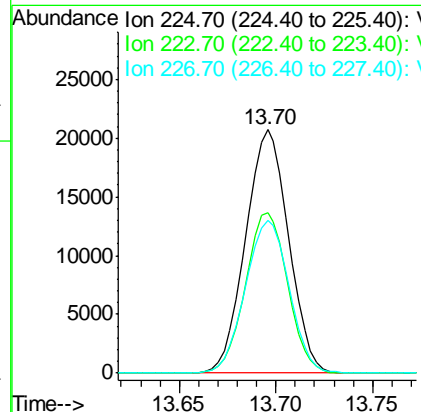
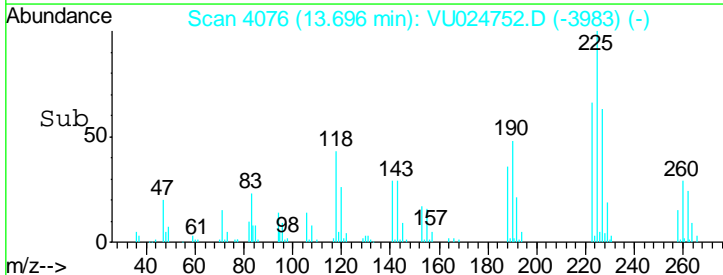


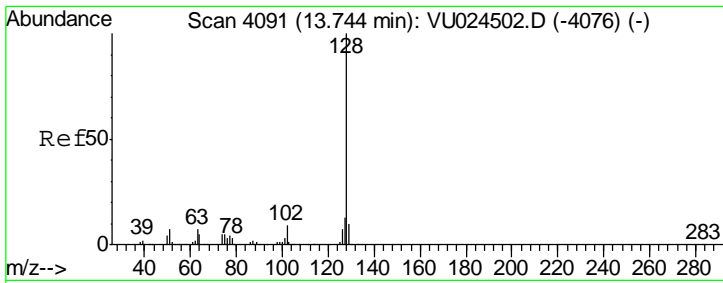
#94
 Hexachlorobutadiene
 Concen: 17.75 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56



Tgt Ion: 225 Resp: 32076

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.3	93.8
227	64.0	31.8	95.4





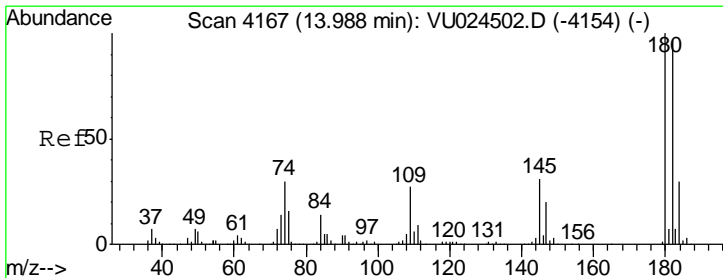
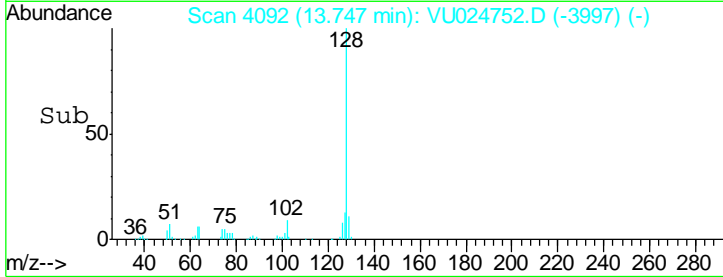
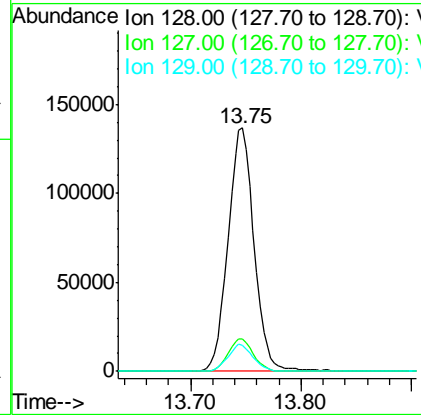
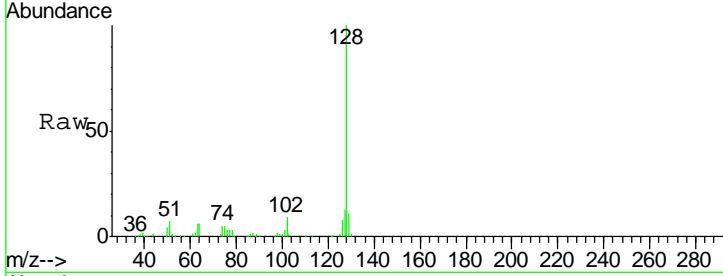
#95
 Naphthalene
 Concen: 21.48 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Instrument : MSVOA_U
 Client Sampled : VU0620WBS01

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.6	8.6	12.8

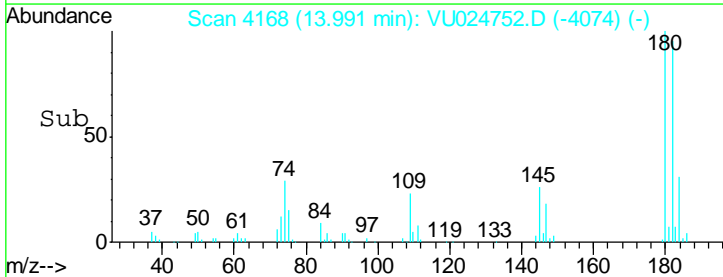
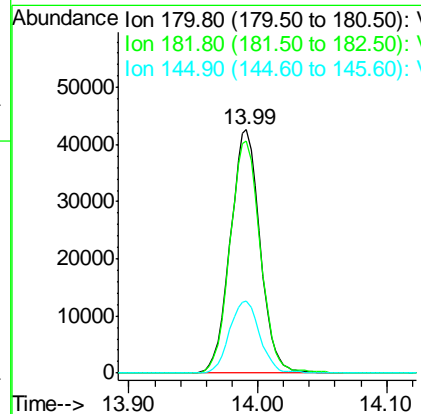
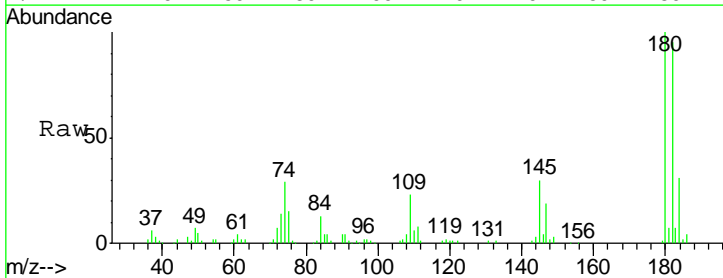
Manual Integrations
 APPROVED

apatel
 6/21/2018 1:44:34 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 21.27 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU024752.D
 Acq: 20 Jun 2018 12:56

Tgt Ion	Resp	Lower	Upper
180	100		
182	97.1	47.9	143.7
145	30.1	15.4	46.1





284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/14/18
Project:	Andrew St. RI	Date Received:	06/14/18
Client Sample ID:	TPTW-04MS	SDG No.:	J3577
Lab Sample ID:	J3529-09MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024771.D	1		06/20/18 20:46	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	40.2		0.2	0.2	1	ug/L
74-87-3	Chloromethane	46.4		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	46.4		0.2	0.2	1	ug/L
74-83-9	Bromomethane	52.2		0.2	0.2	1	ug/L
75-00-3	Chloroethane	53.4		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	46.7		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	41		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	44.5		0.2	0.2	1	ug/L
67-64-1	Acetone	300		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	42.2		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	50.4		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	54.5		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	44.1		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	43.7		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	45.6		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	43.8		0.2	0.2	1	ug/L
78-93-3	2-Butanone	260		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	45.1		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	45.8		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	48		0.2	0.5	1	ug/L
67-66-3	Chloroform	46.5		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	44.8		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	40.3		0.2	0.2	1	ug/L
71-43-2	Benzene	56.7		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	48.3		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	44		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	47.8		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	46.7		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	280		1	1	5	ug/L
108-88-3	Toluene	47.1		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	44.7		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	44.1		0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/14/18
Project:	Andrew St. RI	Date Received:	06/14/18
Client Sample ID:	TPTW-04MS	SDG No.:	J3577
Lab Sample ID:	J3529-09MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024771.D	1		06/20/18 20:46	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	48		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	270		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	46.4		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	49.2		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	39.1		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	46.3		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	45.7		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	92		0.4	0.4	2	ug/L
95-47-6	o-Xylene	47.6		0.2	0.2	1	ug/L
100-42-5	Styrene	43.3		0.2	0.2	1	ug/L
75-25-2	Bromoform	45.8		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	46.4		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	51.4		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	46.5		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	46.5		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	47.6		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	52.9		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	51.6		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	54.8		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.7		61 - 141		87%	SPK: 50
1868-53-7	Dibromofluoromethane	46.2		69 - 133		92%	SPK: 50
2037-26-5	Toluene-d8	44.8		65 - 126		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		58 - 135		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	175049	4.99				
540-36-3	1,4-Difluorobenzene	272921	5.89				
3114-55-4	Chlorobenzene-d5	263540	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	155655	11.49				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/14/18
Project:	Andrew St. RI	Date Received:	06/14/18
Client Sample ID:	TPTW-04MS	SDG No.:	J3577
Lab Sample ID:	J3529-09MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024771.D	1		06/20/18 20:46	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024771.D
 Acq On : 20 Jun 2018 20:46
 Operator : MD/SY
 Sample : J3529-09MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 TPTW-04MS

Manual Integrations
 APPROVED

apatel
 6/21/2018 1:44:44 PM

Quant Time: Jun 21 08:19:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	175049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	272921	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	263540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	124873	43.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.40%	
35) Dibromofluoromethane	4.89	113	104735	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
50) Toluene-d8	7.57	98	370027	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	
62) 4-Bromofluorobenzene	10.31	95	148176	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	88160	40.24	ug/l	100
3) Chloromethane	1.33	50	103758	46.35	ug/l	98
4) Vinyl Chloride	1.40	62	107025	46.36	ug/l	98
5) Bromomethane	1.62	94	58270	52.21	ug/l	99
6) Chloroethane	1.70	64	68796	53.40	ug/l	100
7) Trichlorofluoromethane	1.89	101	164662	46.74	ug/l	100
8) Diethyl Ether	2.10	74	64653	54.08	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	89542	40.97	ug/l	95
10) Methyl Iodide	2.41	142	94872	51.15	ug/l	98
11) Tert butyl alcohol	2.82	59	176366	253.76	ug/l	99
12) 1,1-Dichloroethene	2.28	96	88779	44.54	ug/l	92
13) Acrolein	2.19	56	37362	102.37	ug/l	97
14) Allyl chloride	2.59	41	149504	40.40	ug/l	94
15) Acrylonitrile	2.93	53	259805	192.13	ug/l	99
16) Acetone	2.32	43	454979	296.32	ug/l	99
17) Carbon Disulfide	2.48	76	269077	42.16	ug/l	99
18) Methyl Acetate	2.62	43	179457	54.52	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	377973	50.45	ug/l	97
20) Methylene Chloride	2.70	84	106187	44.08	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	95968	43.72	ug/l	94
22) Diisopropyl ether	3.57	45	344009	46.89	ug/l	98
23) Vinyl Acetate	3.53	43	1515238	230.57	ug/l	99
24) 1,1-Dichloroethane	3.45	63	192583	45.63	ug/l	99
25) 2-Butanone	4.26	43	536434	260.10	ug/l	98
26) 2,2-Dichloropropane	4.23	77	156258	38.99	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	115620	45.81	ug/l	96
28) Bromochloromethane	4.55	49	89152	47.96	ug/l	88
29) Tetrahydrofuran	4.63	42	342961	268.52	ug/l	97
30) Chloroform	4.68	83	198529	46.48	ug/l	100
31) Cyclohexane	5.00	56	165129	43.82	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	177051	44.82	ug/l	96
36) 1,1-Dichloropropene	5.14	75	137531	42.88	ug/l	98
37) Ethyl Acetate	4.38	43	187367	53.60	ug/l	97
38) Carbon Tetrachloride	5.14	117	159190	45.14	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024771.D
 Acq On : 20 Jun 2018 20:46
 Operator : MD/SY
 Sample : J3529-09MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 TPTW-04MS

Manual Integrations
 APPROVED

apatel
 6/21/2018 1:44:44 PM

Quant Time: Jun 21 08:19:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	161367	40.32	ug/l	95
40) Benzene	5.39	78	518481	56.74	ug/l	100
41) Methacrylonitrile	4.54	41	91624	48.62	ug/l	97
42) 1,2-Dichloroethane	5.41	62	167946	48.25	ug/l	100
43) Isopropyl Acetate	5.55	43	302931	50.14	ug/l	99
44) Trichloroethene	6.19	130	114471	44.01	ug/l	92
45) 1,2-Dichloropropane	6.44	63	116474	47.77	ug/l	98
46) Dibromomethane	6.56	93	82310	48.06	ug/l	95
47) Bromodichloromethane	6.76	83	159414	46.74	ug/l	98
48) Methyl methacrylate	6.62	41	120592	40.99	ug/l	98
49) 1,4-Dioxane	6.61	88	64552	1121.93	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1045630	275.46	ug/l	98
52) Toluene	7.64	92	277017	47.12	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	171104	44.67	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	180063	44.12	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	114773	48.03	ug/l	99
56) Ethyl methacrylate	8.02	69	171436	42.86	ug/l	97
57) 1,3-Dichloropropane	8.25	76	198793	49.31	ug/l	100
59) 2-Hexanone	8.36	43	830761	268.07	ug/l	99
60) Dibromochloromethane	8.48	129	138311	46.41	ug/l	100
61) 1,2-Dibromoethane	8.59	107	130852	49.19	ug/l	99
64) Tetrachloroethene	8.23	164	97941	39.10	ug/l	99
65) Chlorobenzene	9.12	112	311644	46.29	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	119870	46.86	ug/l	97
67) Ethyl Benzene	9.25	91	539356	45.70	ug/l	98
68) m/p-Xylenes	9.38	106	417015	92.01	ug/l	97
69) o-Xylene	9.78	106	213284	47.55	ug/l	95
70) Styrene	9.80	104	319491	43.34	ug/l	99
71) Bromoform	9.96	173	111298	45.78	ug/l #	99
73) Isopropylbenzene	10.17	105	553974	46.36	ug/l	99
74) N-amyl acetate	10.01	43	290622	51.13	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	205707	51.37	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	173151m	50.53	ug/l	
77) Bromobenzene	10.45	156	143399	47.40	ug/l	96
78) n-propylbenzene	10.59	91	626132	44.48	ug/l	96
79) 2-Chlorotoluene	10.66	91	375436	45.22	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	479140	46.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	59454m	40.15	ug/l	
82) 4-Chlorotoluene	10.78	91	439671	45.50	ug/l	98
83) tert-Butylbenzene	11.10	119	476373	47.81	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	501984	47.56	ug/l	100
85) sec-Butylbenzene	11.33	105	570059	45.71	ug/l	98
86) p-Isopropyltoluene	11.48	119	514978	46.10	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	259655	46.45	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	261795	46.53	ug/l	99
89) n-Butylbenzene	11.89	91	437548	44.12	ug/l	97
90) Hexachloroethane	12.15	117	93109	42.73	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	266623	47.62	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58412	52.86	ug/l	91
93) 1,2,4-Trichlorobenzene	13.51	180	178550	51.64	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024771.D
 Acq On : 20 Jun 2018 20:46
 Operator : MD/SY
 Sample : J3529-09MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Manual Integrations
 APPROVED

apatel
 6/21/2018 1:44:44 PM

Quant Time: Jun 21 08:19:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	89367	45.92	ug/l	99
95) Naphthalene	13.74	128	677931	59.11	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	188835	54.81	ug/l	100

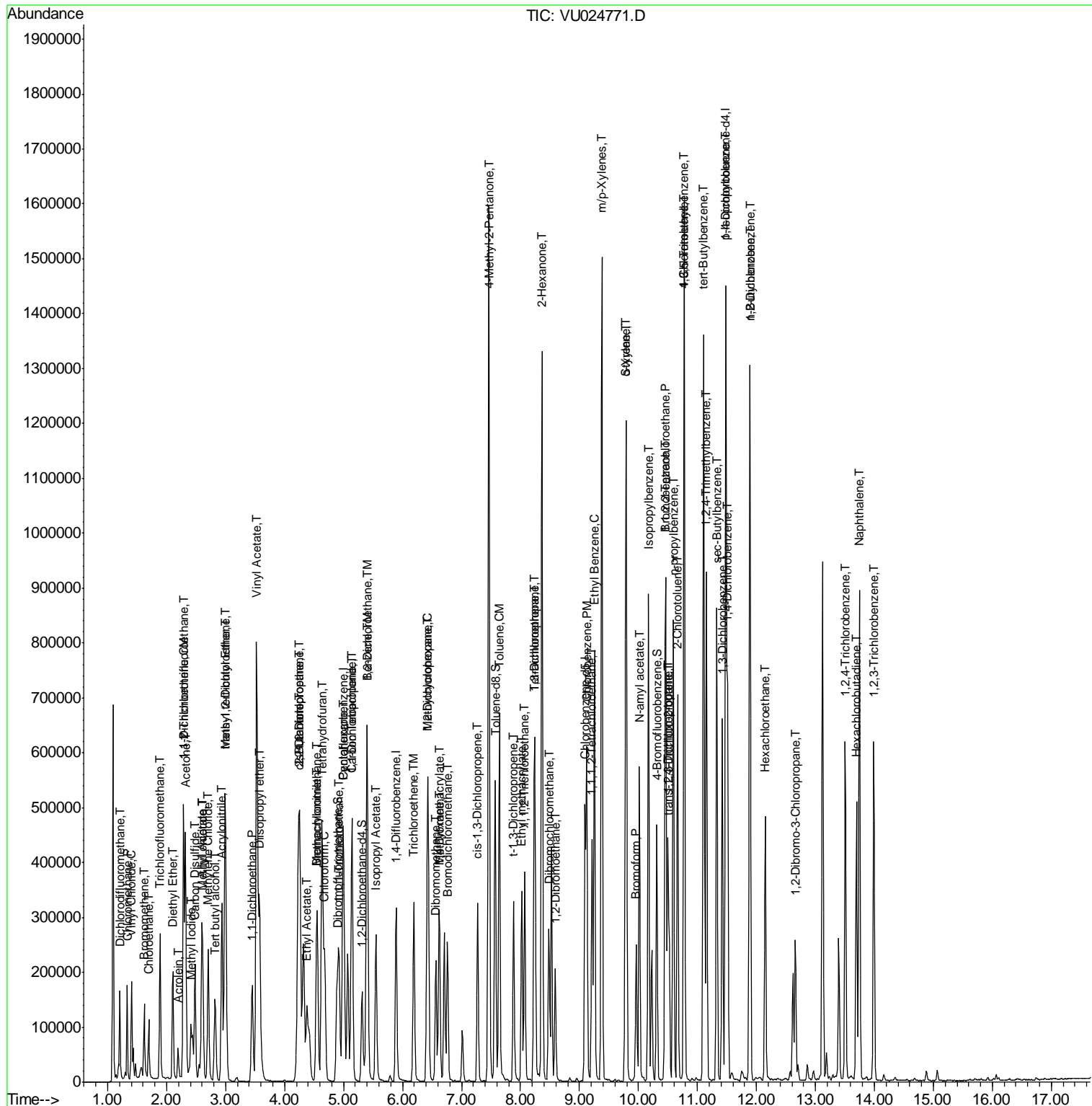
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024771.D
 Acq On : 20 Jun 2018 20:46
 Operator : MD/SY
 Sample : J3529-09MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

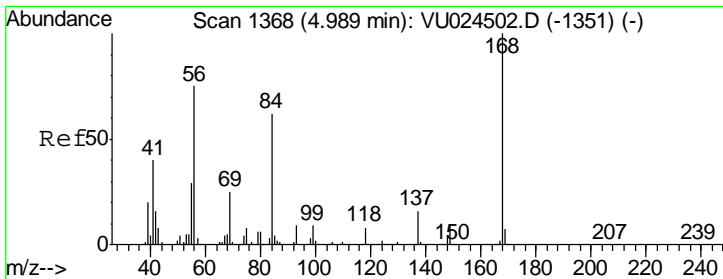
Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

Manual Integrations APPROVED
 apatel
 6/21/2018 1:44:44 PM

Quant Time: Jun 21 08:19:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration



- 1
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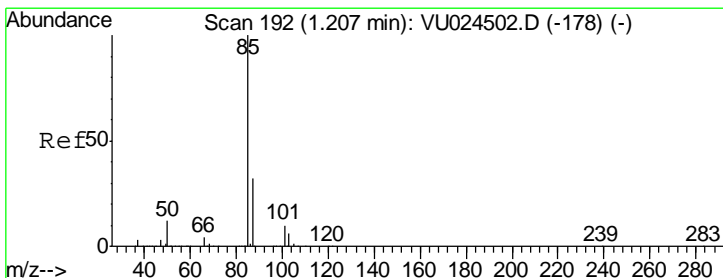
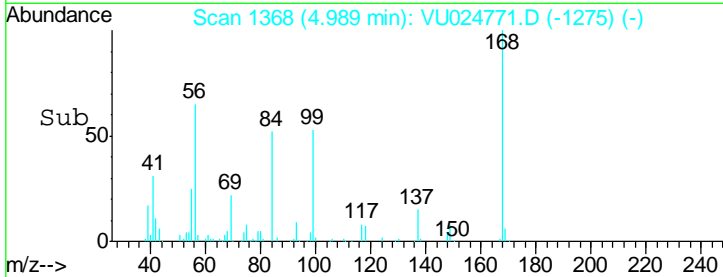
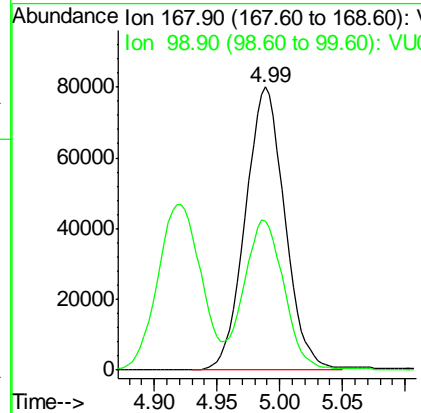
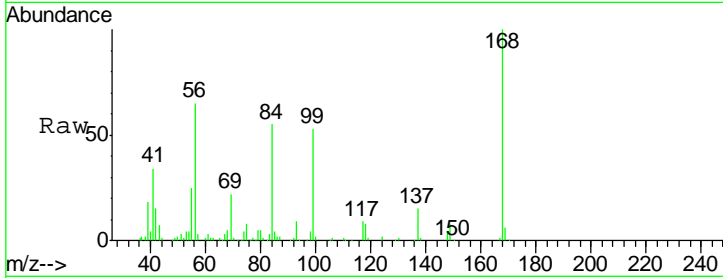


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
168	175049		
168	100		
99	52.2	43.2	64.8

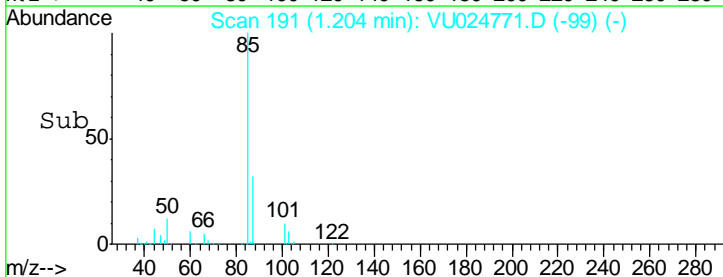
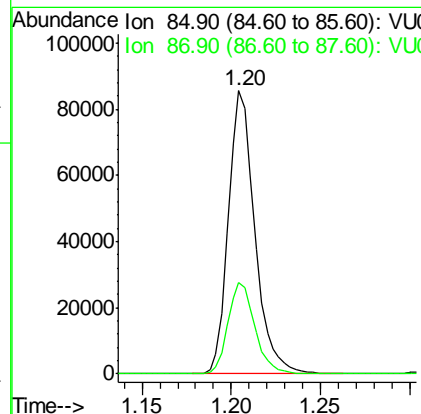
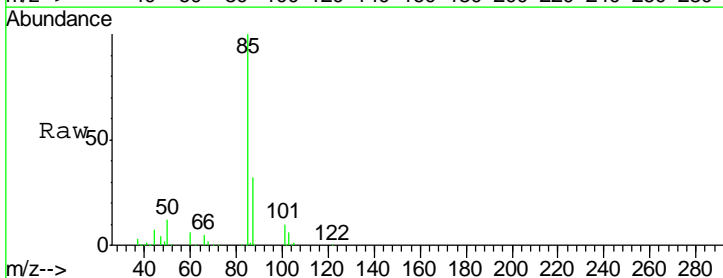
Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

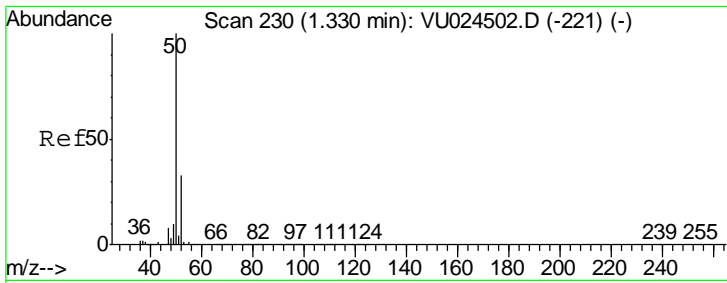
Manual Integrations APPROVED
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#2
 Dichlorodifluoromethane
 Concen: 40.24 ug/l
 RT: 1.20 min Scan# 191
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
85	88160		
85	100		
87	32.2	16.1	48.2



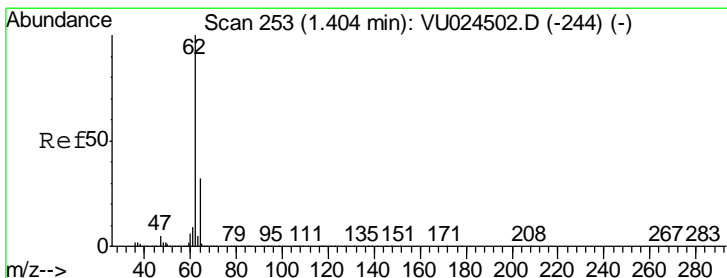
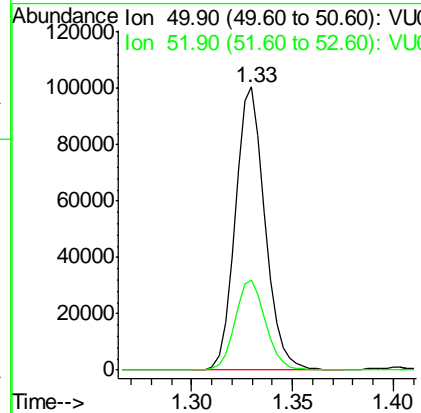
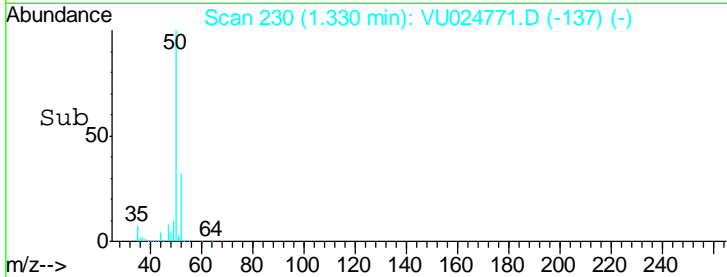
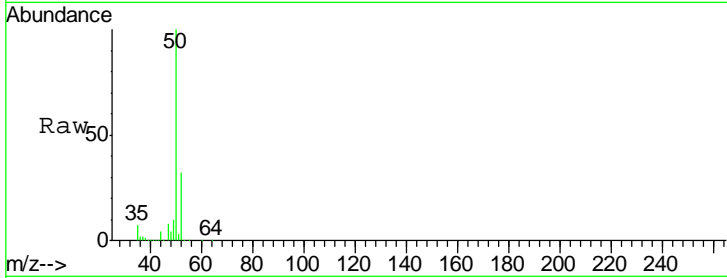


#3
 Chloromethane
 Concen: 46.35 ug/l
 RT: 1.33 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
50	103758		
52	31.9	26.4	39.6

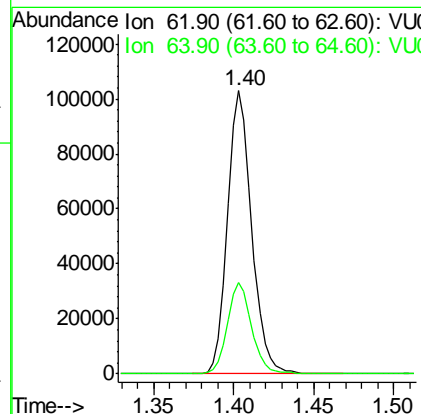
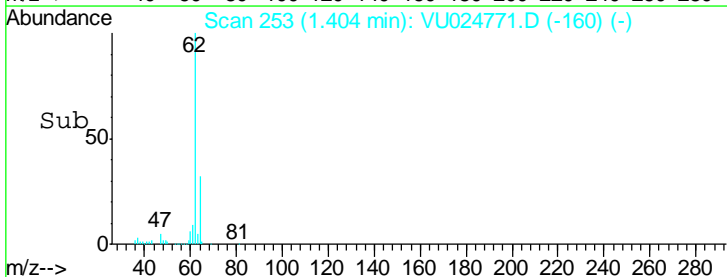
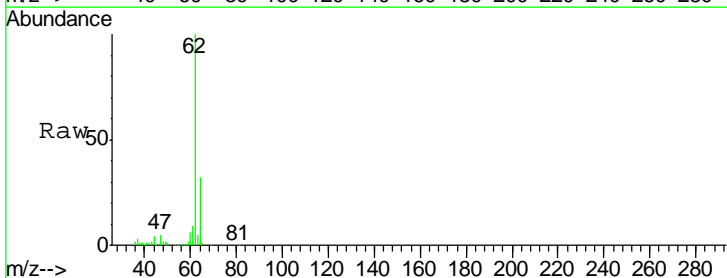
Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

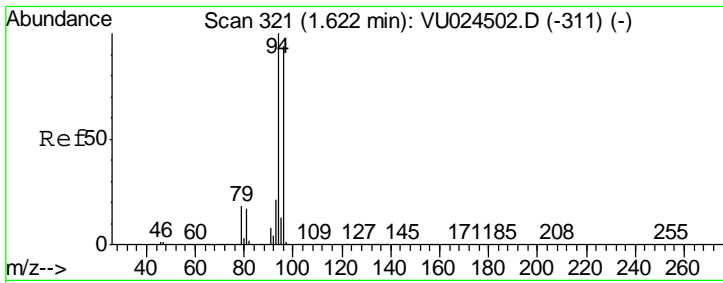
Manual Integrations
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#4
 Vinyl Chloride
 Concen: 46.36 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
62	107025		
64	32.0	24.8	37.2



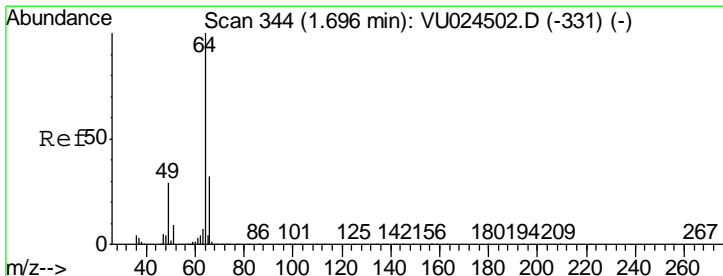
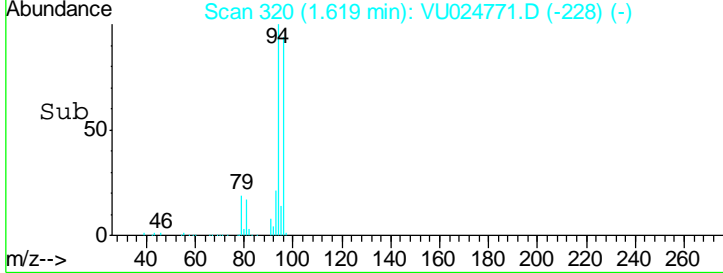
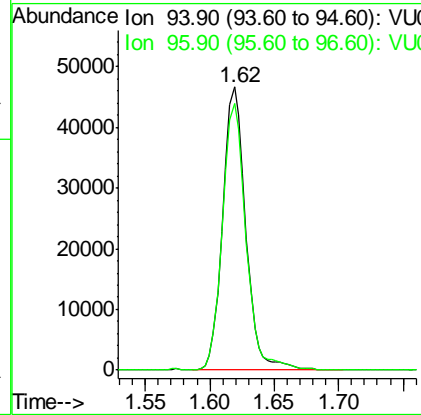
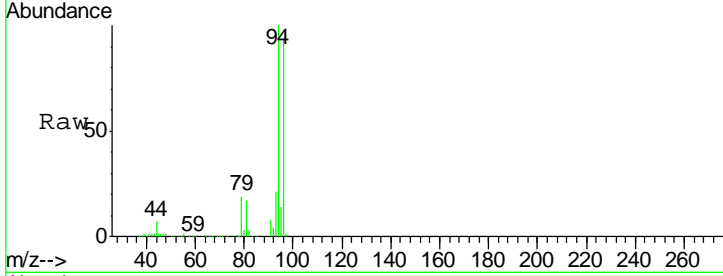


#5
 Bromomethane
 Concen: 52.21 ug/l
 RT: 1.62 min Scan# 320
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.8	74.5	111.7

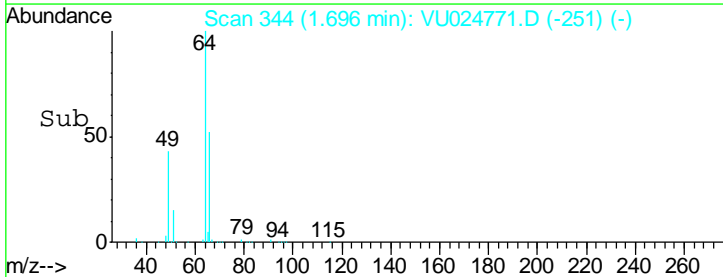
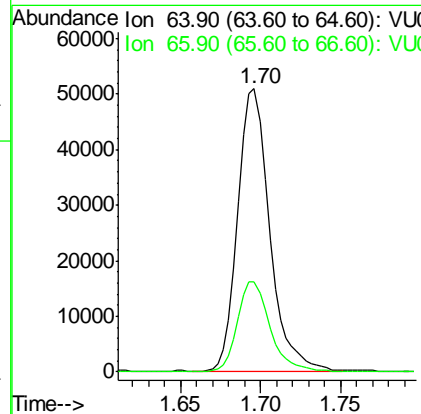
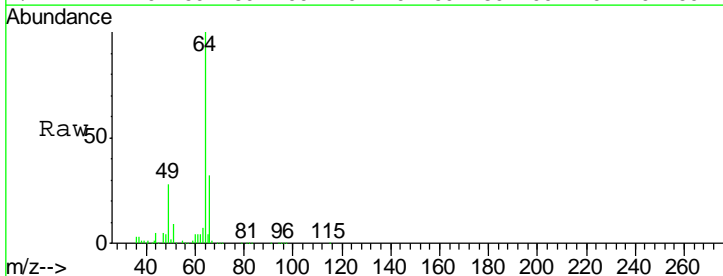
Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

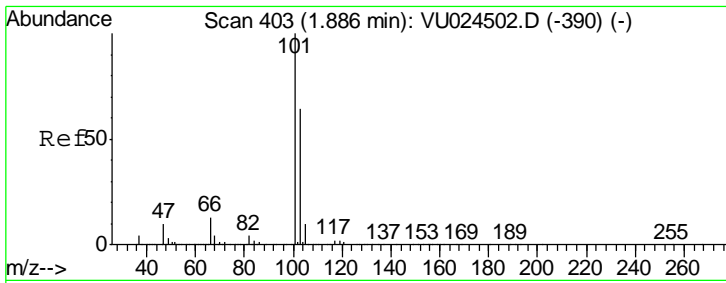
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 53.40 ug/l
 RT: 1.70 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.1	25.5	38.3



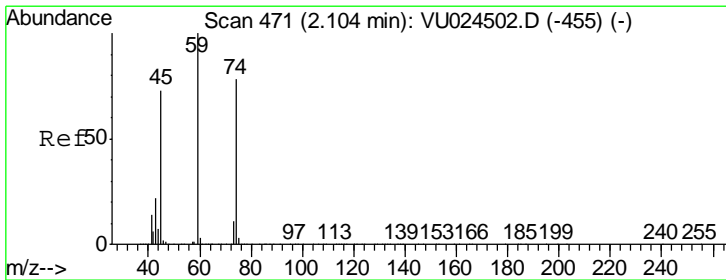
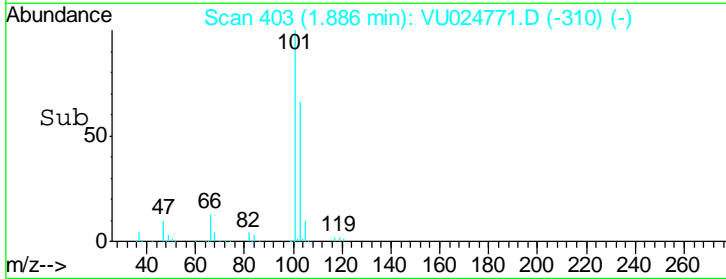
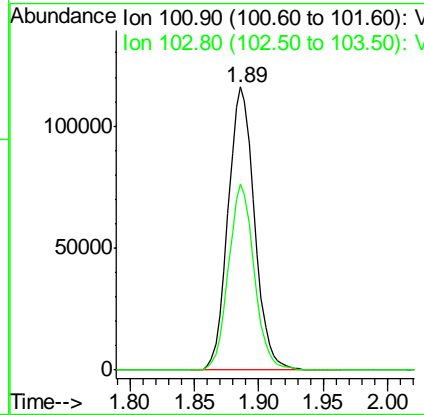
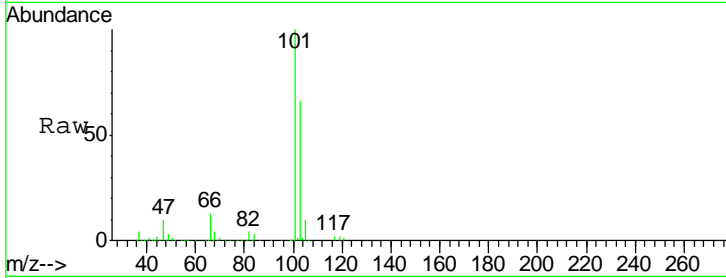


#7
 Trichlorofluoromethane
 Concen: 46.74 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
101	164662		
101	100		
103	65.6	52.3	78.5

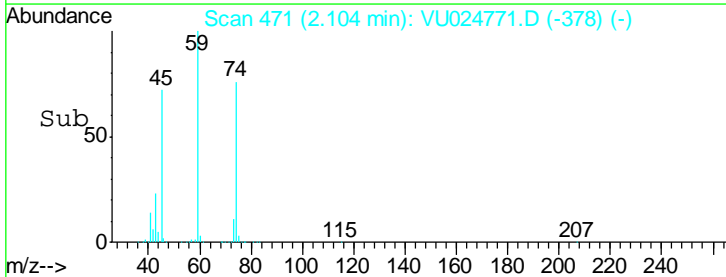
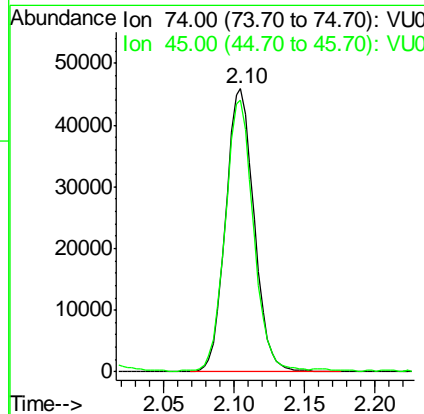
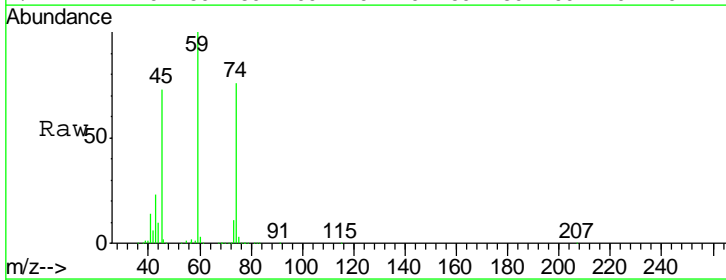
Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

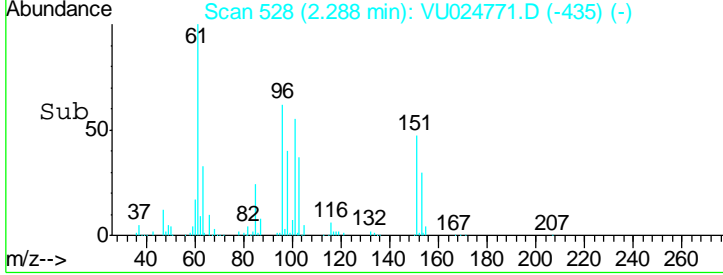
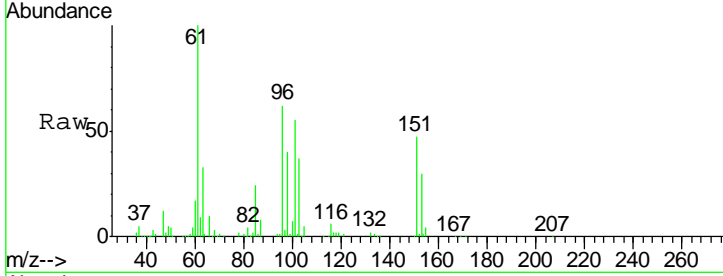
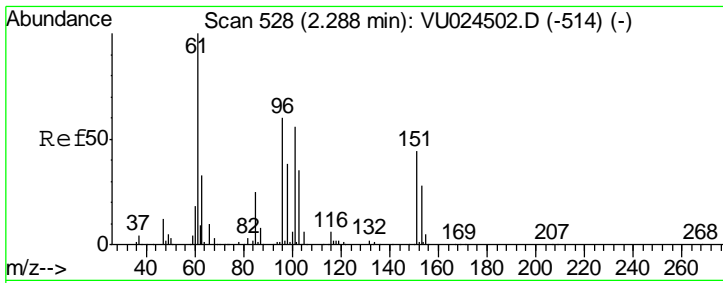
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#8
 Diethyl Ether
 Concen: 54.08 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
74	64653		
74	100		
45	95.1	55.0	165.0



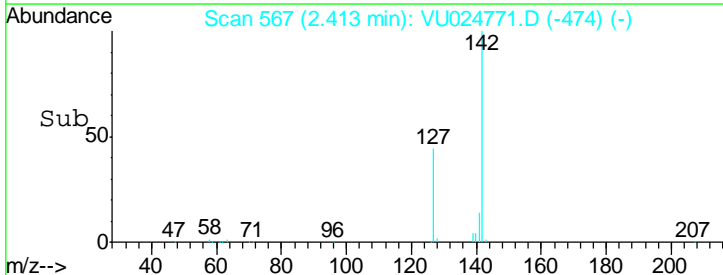
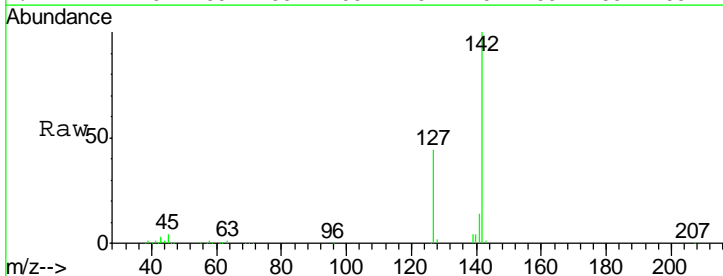
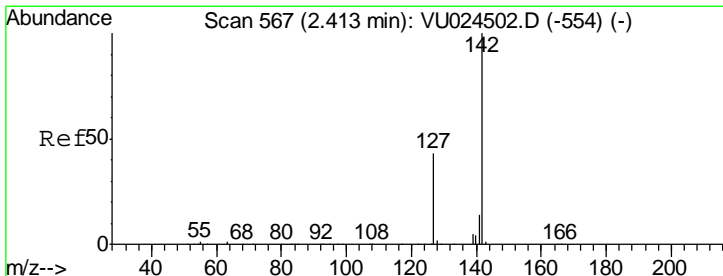
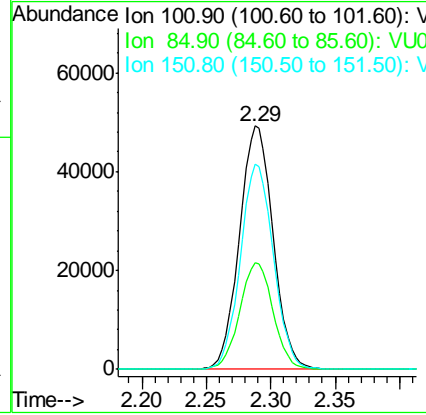


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 40.97 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.3	36.0	54.0
151	82.9	62.3	93.5

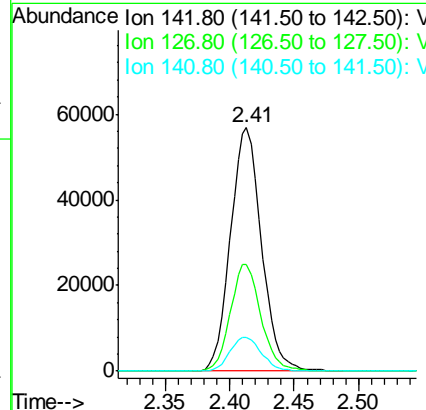
Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

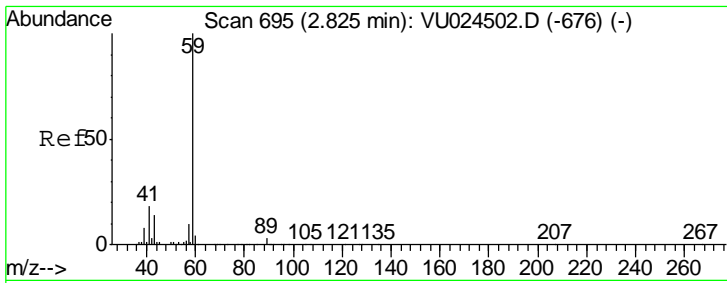
Manual Integrations
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#10
 Methyl Iodide
 Concen: 51.15 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.2	35.6	53.4
141	14.1	11.7	17.5



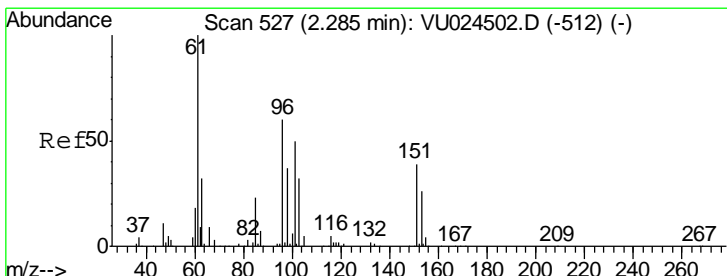
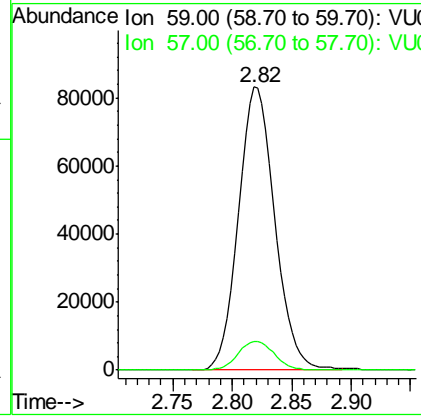
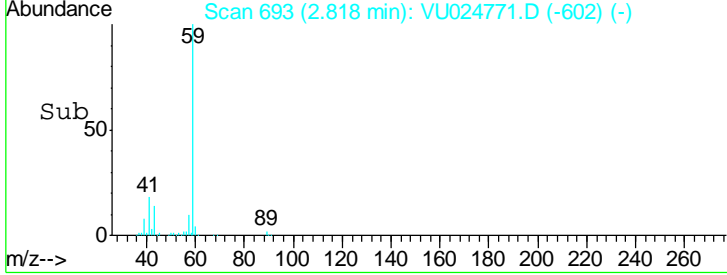
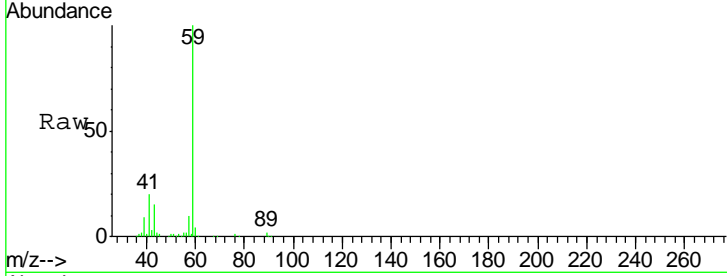


#11
 Tert butyl alcohol
 Concen: 253.76 ug/l
 RT: 2.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
59	176366		
57	10.3	8.5	12.7

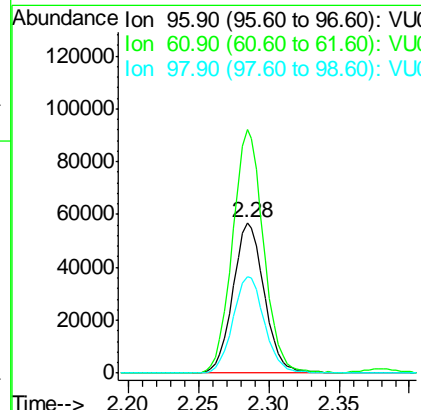
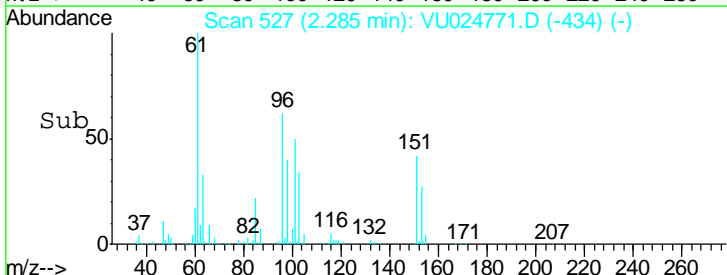
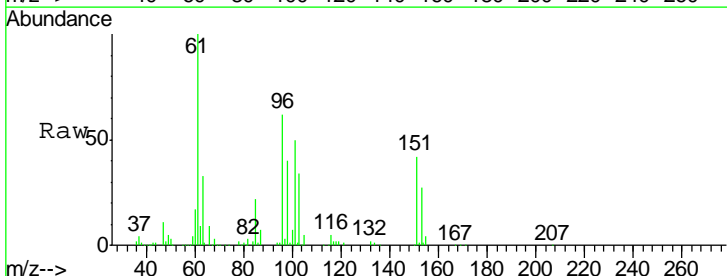
Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

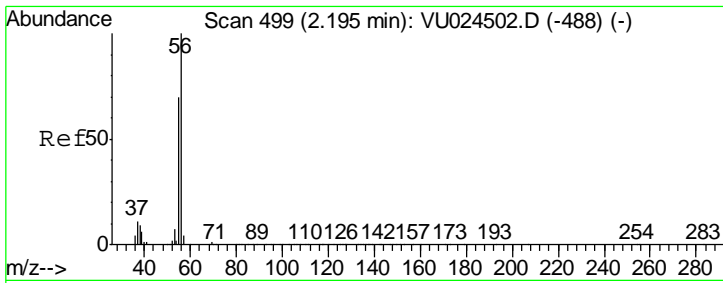
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#12
 1,1-Dichloroethene
 Concen: 44.54 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
96	88779		
61	161.4	141.7	212.5
98	64.3	51.6	77.4



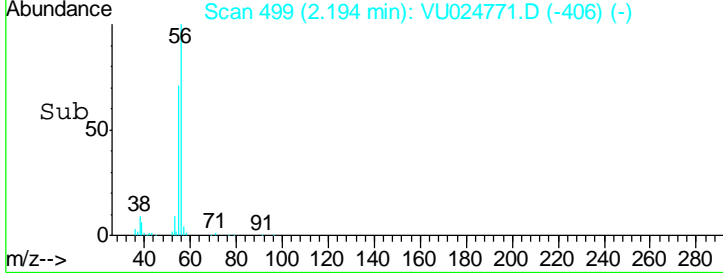
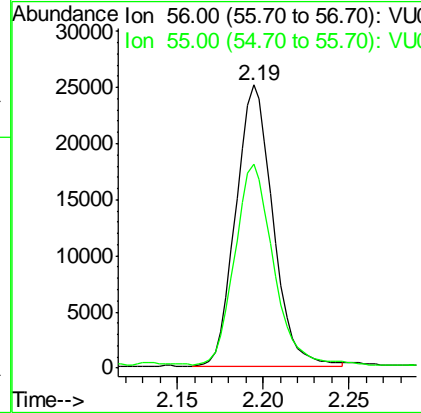
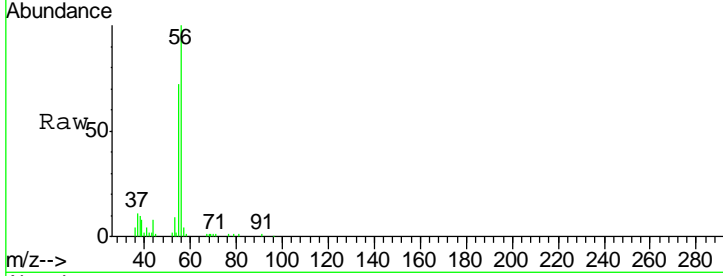


#13
 Acrolein
 Concen: 102.37 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
56	37362		
56	100		
55	75.5	58.4	87.6

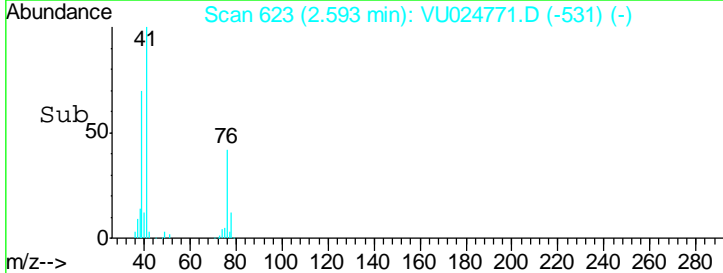
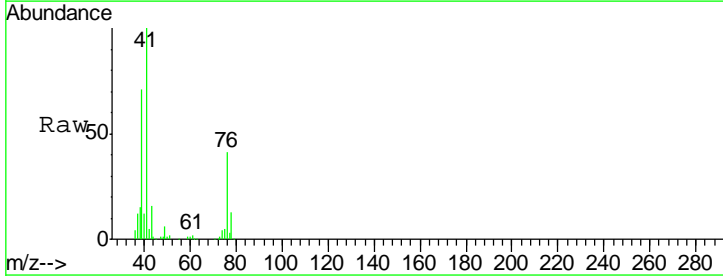
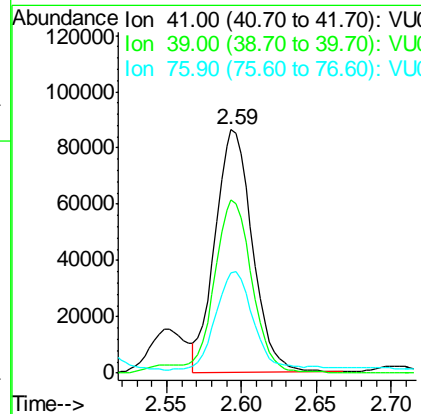
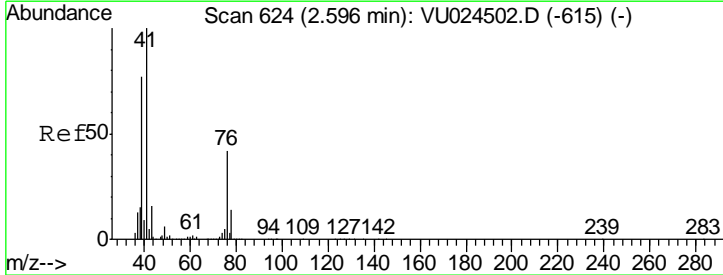
Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

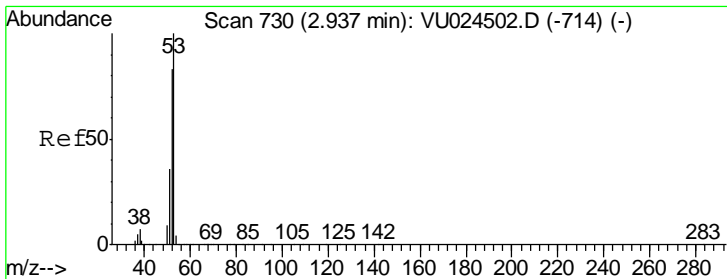
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#14
 Allyl chloride
 Concen: 40.40 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
41	149504		
41	100		
39	71.0	61.6	92.4
76	40.0	29.7	44.5



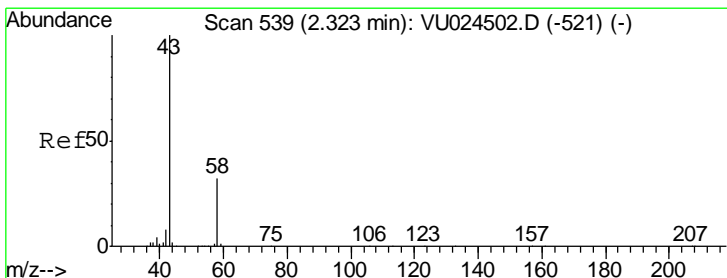
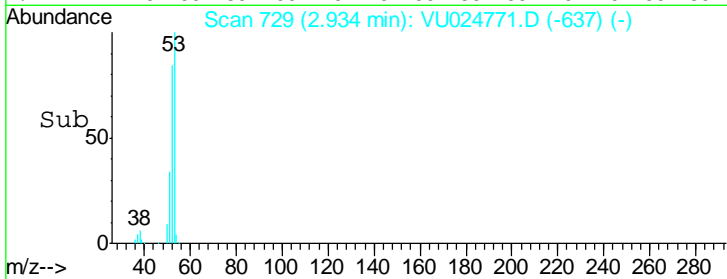
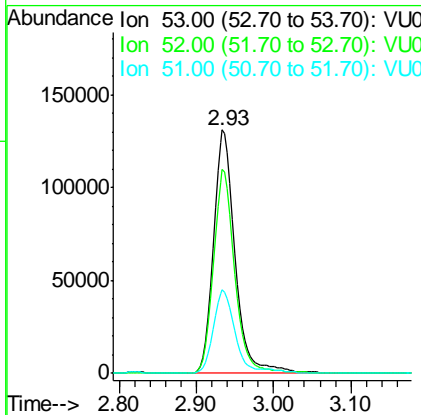
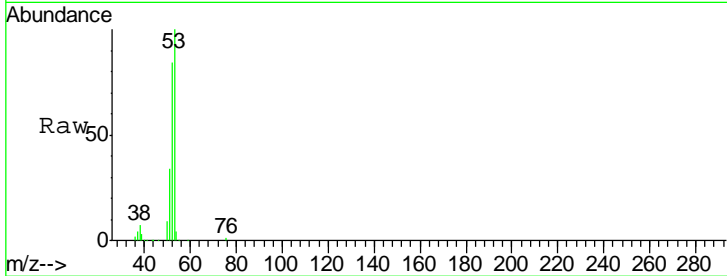


#15
 Acrylonitrile
 Concen: 192.13 ug/l
 RT: 2.93 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.7	67.1	100.7
51	35.3	28.4	42.6

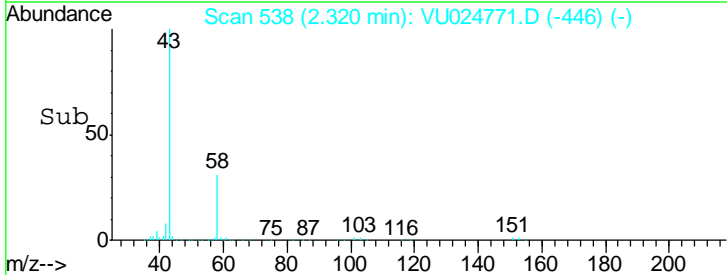
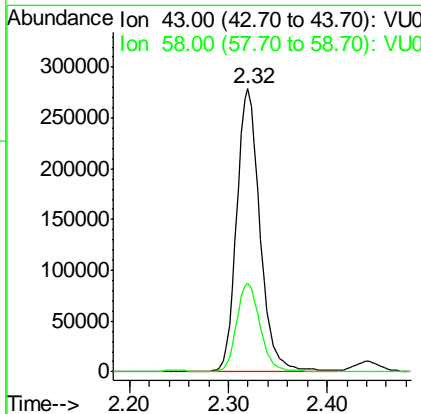
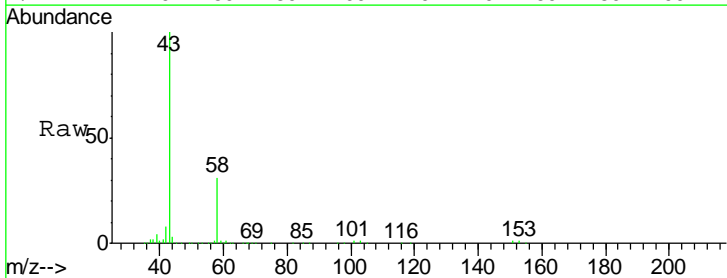
Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

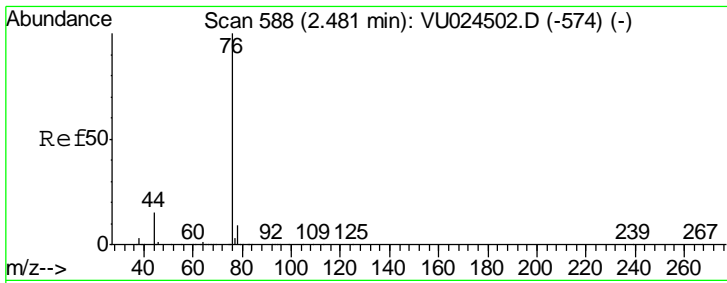
Manual Integrations
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#16
 Acetone
 Concen: 296.32 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.2	24.4	36.6



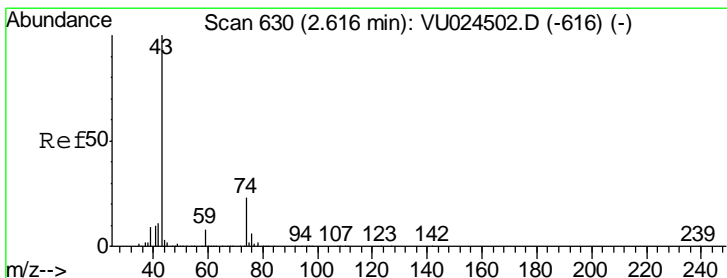
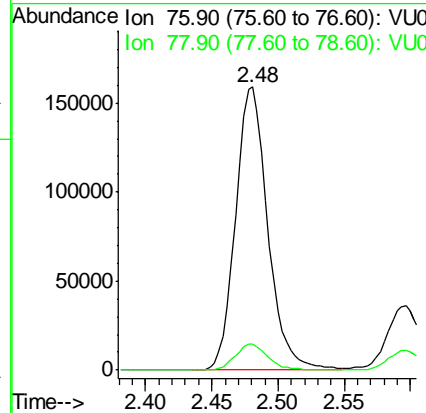
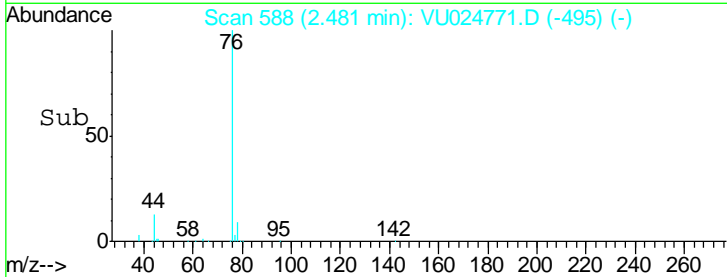
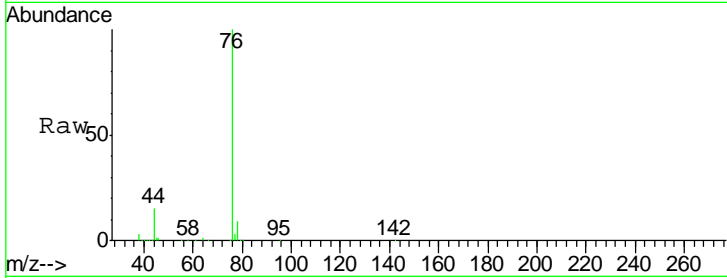


#17
 Carbon Disulfide
 Concen: 42.16 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
76	269077		
76	100		
78	9.2	7.1	10.7

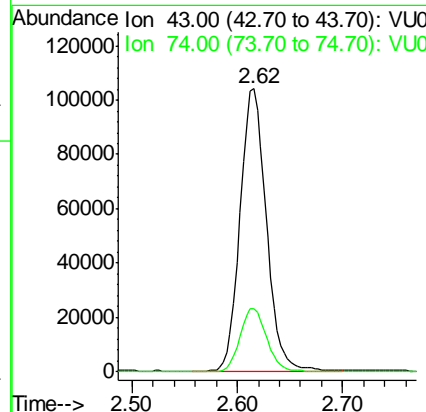
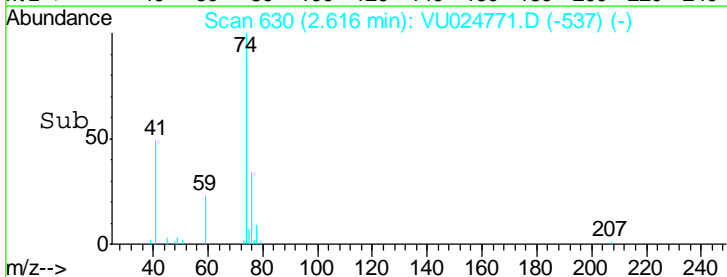
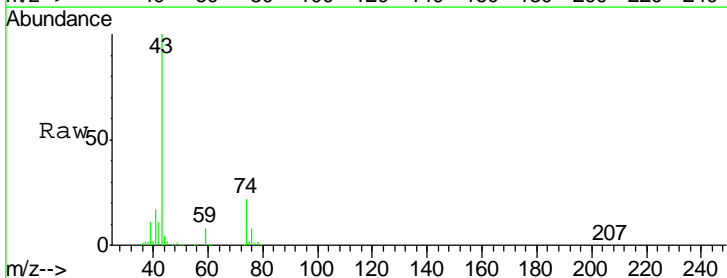
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 Client Sampled : TPTW-04MS

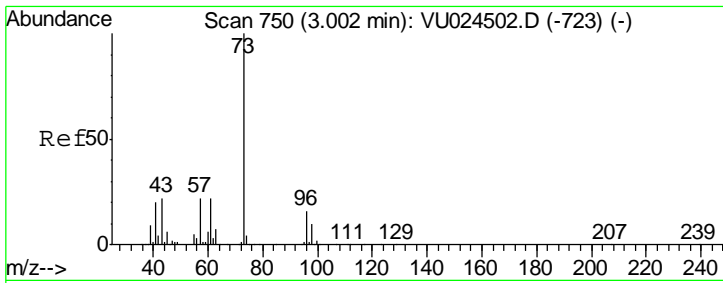
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#18
 Methyl Acetate
 Concen: 54.52 ug/l
 RT: 2.62 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
43	179457		
43	100		
74	22.8	18.0	27.0



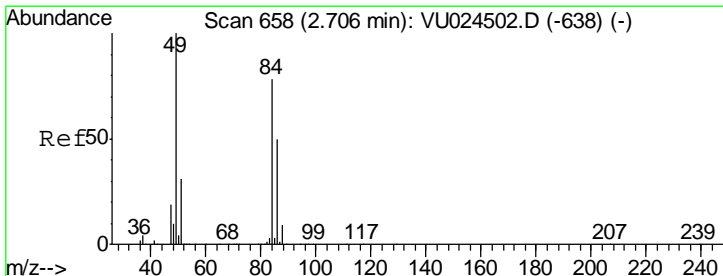
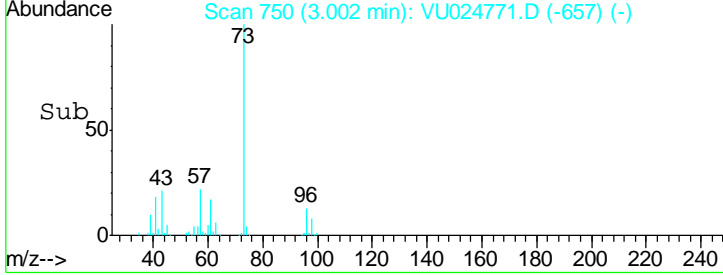
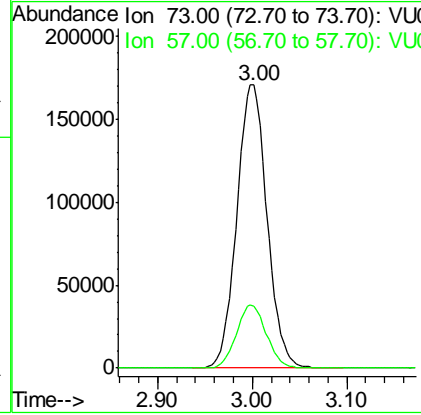
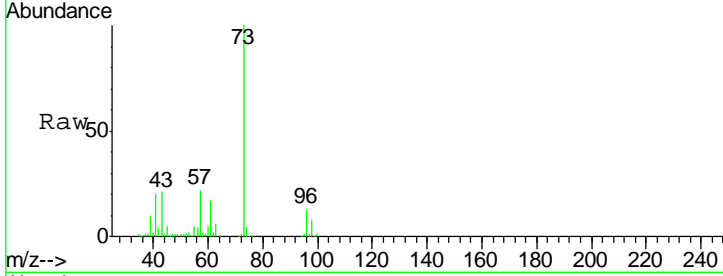


#19
 Methyl tert-butyl Ether
 Concen: 50.45 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
73	377973		
73	100		
57	22.1	18.8	28.2

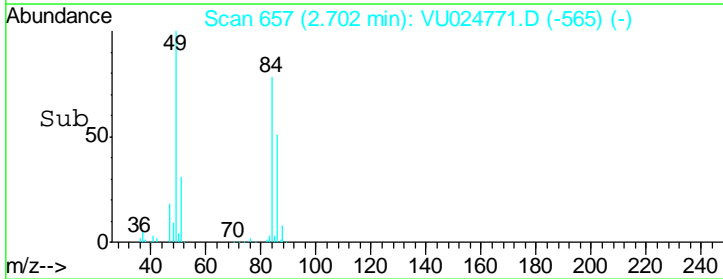
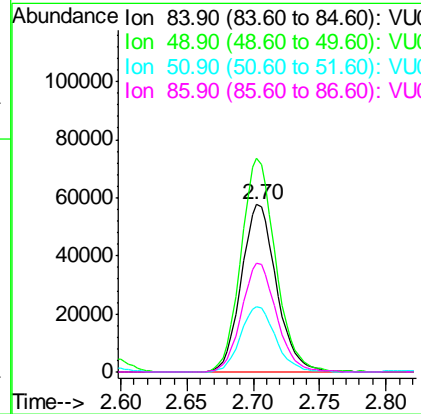
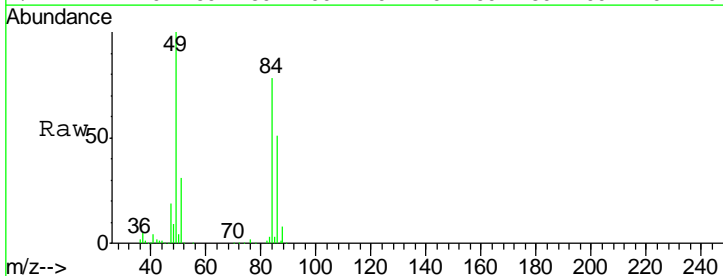
Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

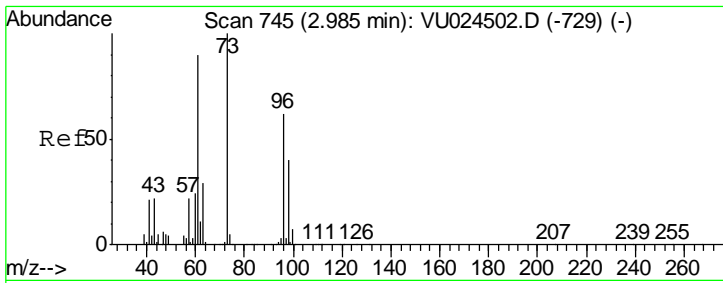
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#20
 Methylene Chloride
 Concen: 44.08 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

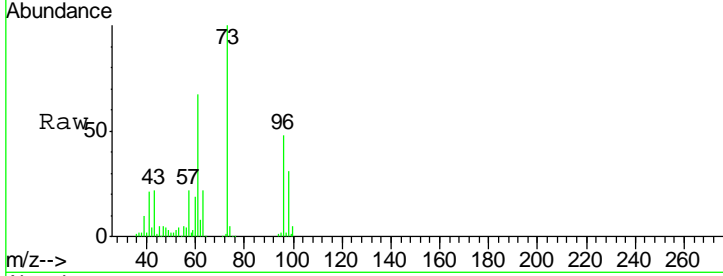
Tgt Ion	Resp	Lower	Upper
84	106187		
84	100		
49	127.5	103.8	155.8
51	39.0	32.0	48.0
86	65.3	51.6	77.4





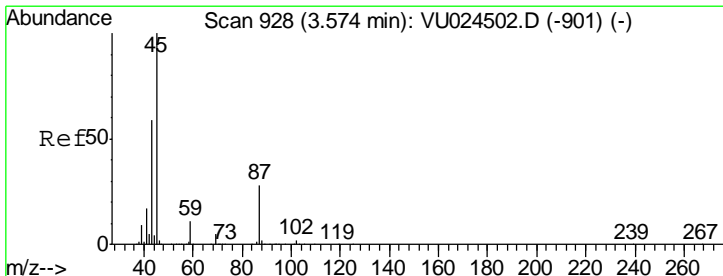
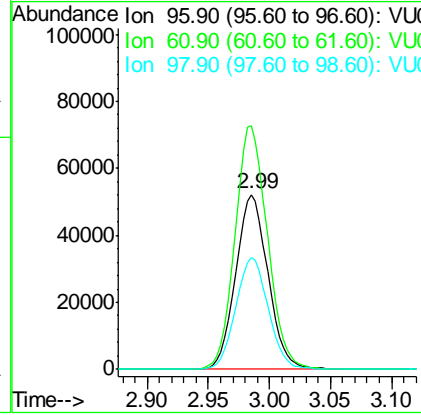
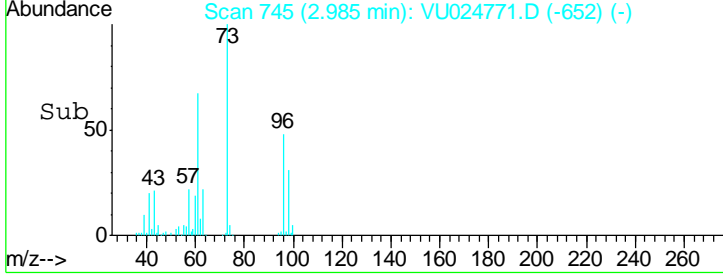
#21
 trans-1,2-Dichloroethene
 Concen: 43.72 ug/l
 RT: 2.99 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS



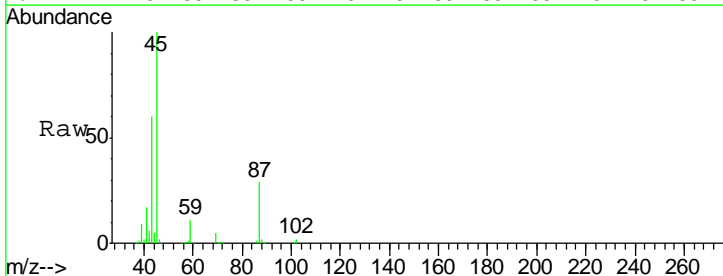
Tgt Ion	Resp	Lower	Upper
96	95968		
96	100		
61	139.1	119.4	179.0
98	63.7	51.1	76.7

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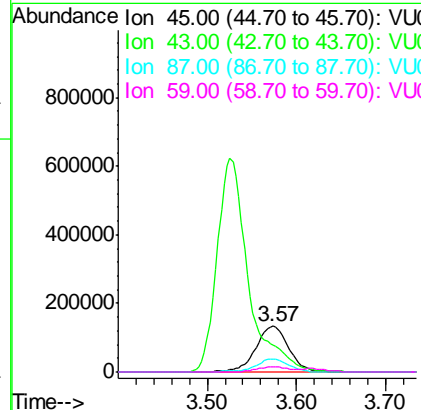
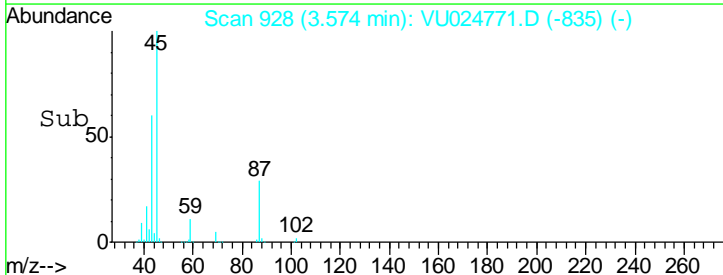


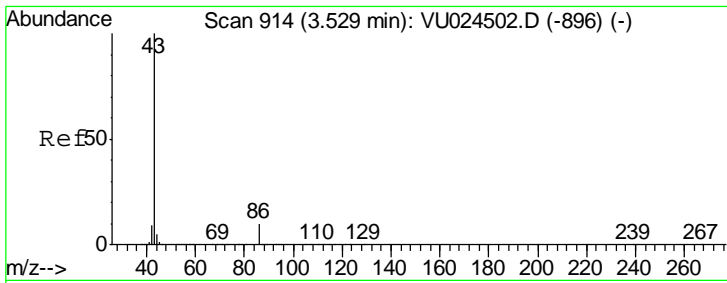
#22
 Diisopropyl ether
 Concen: 46.89 ug/l
 RT: 3.57 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

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Tgt Ion	Resp	Lower	Upper
45	344009		
45	100		
43	58.0	45.8	68.6
87	28.9	20.6	31.0
59	11.4	9.4	14.0



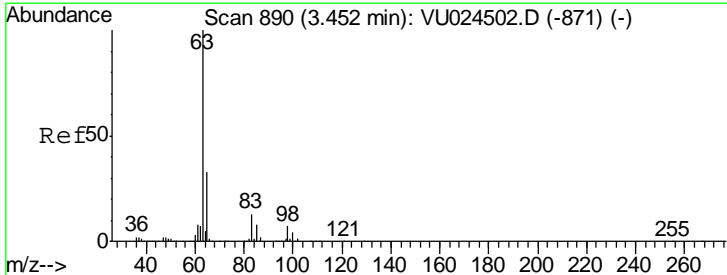
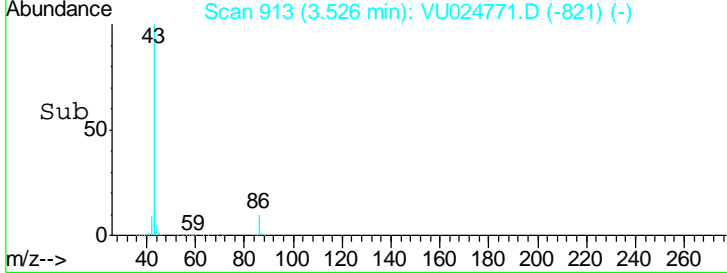
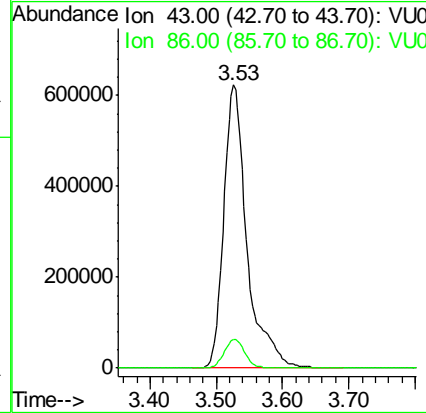
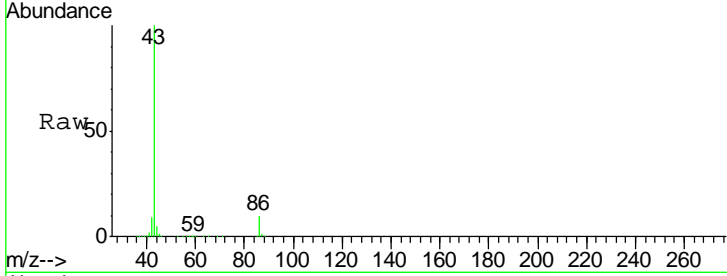


#23
 Vinyl Acetate
 Concen: 230.57 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
43	1515238		
86	10.3	7.8	11.8

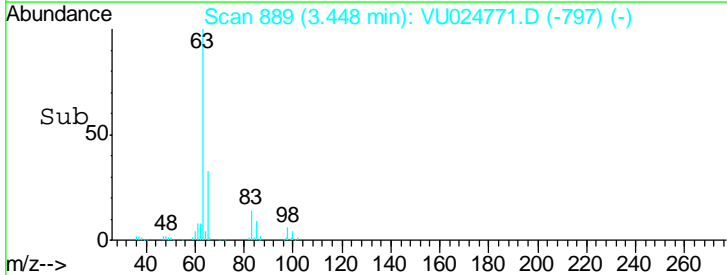
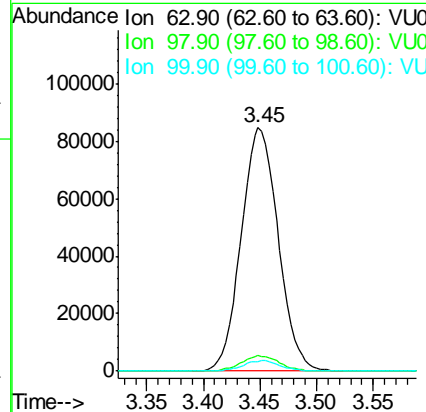
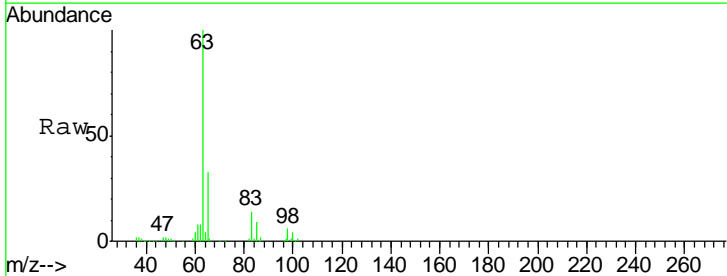
Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

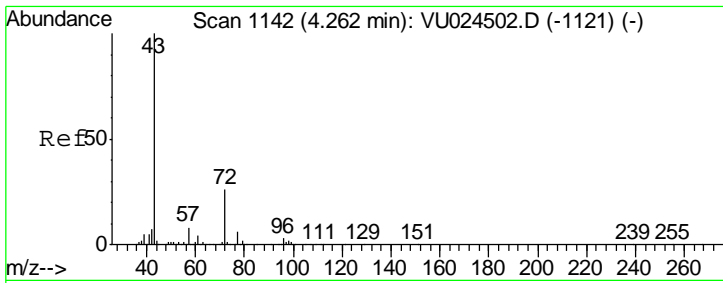
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#24
 1,1-Dichloroethane
 Concen: 45.63 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
63	192583		
98	6.4	3.5	10.4
100	4.1	1.8	5.5





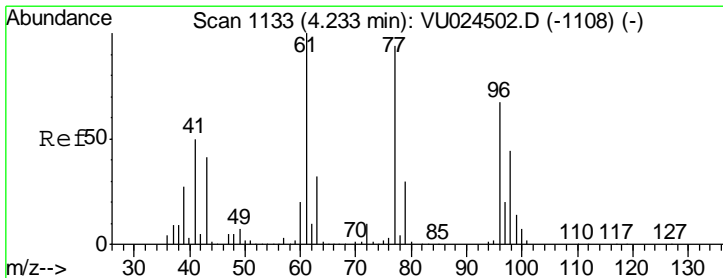
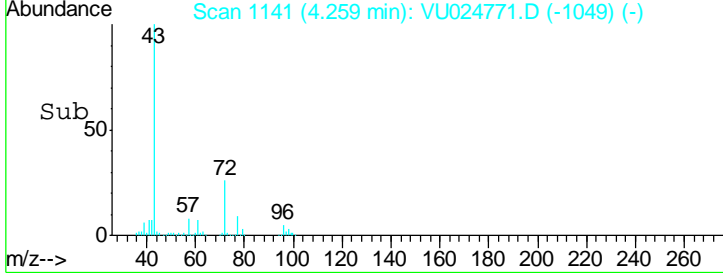
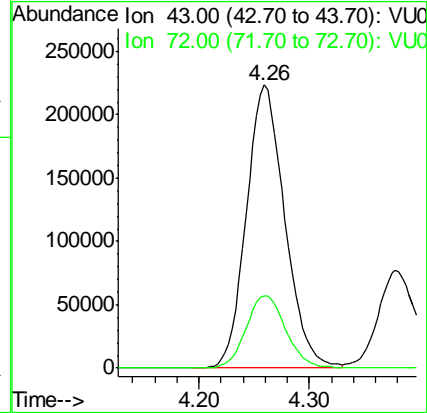
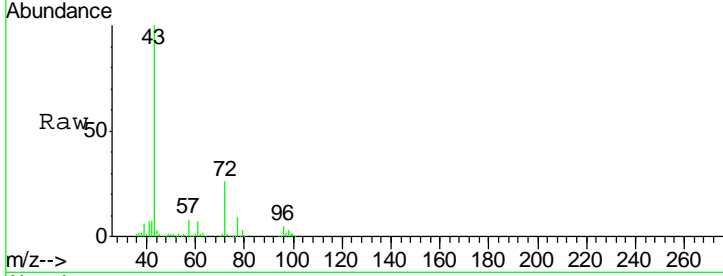
#25
 2-Butanone
 Concen: 260.10 ug/l
 RT: 4.26 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.7	19.6	29.4

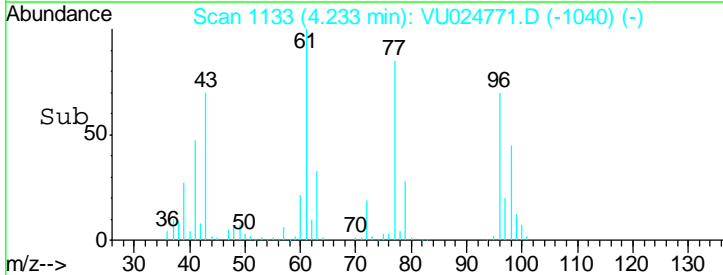
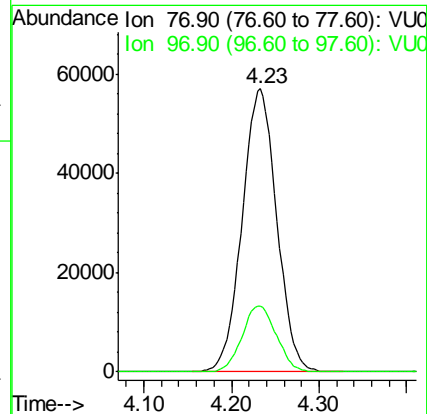
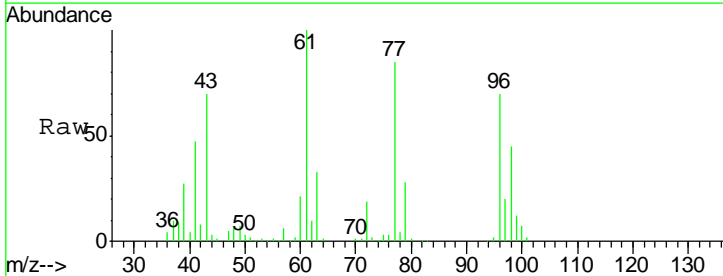
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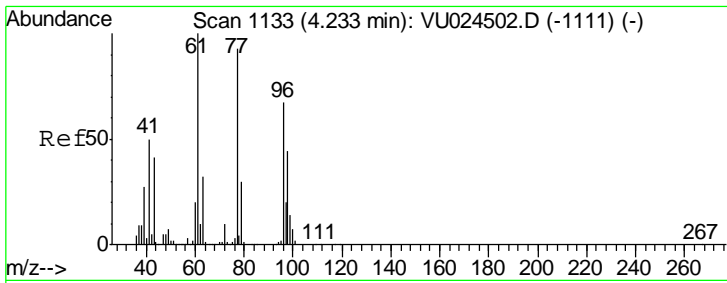
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#26
 2,2-Dichloropropane
 Concen: 38.99 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.2	11.3	33.8



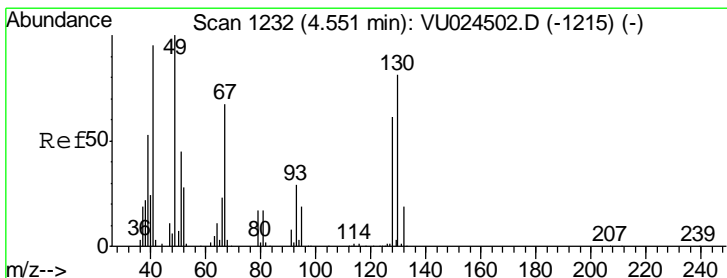
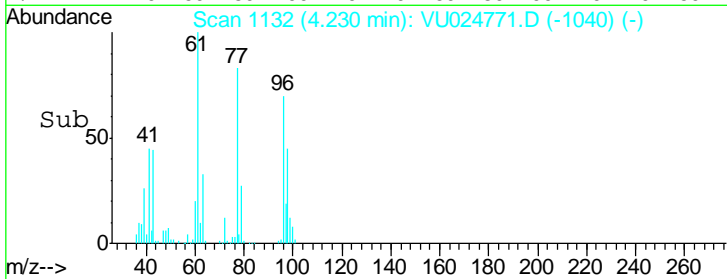
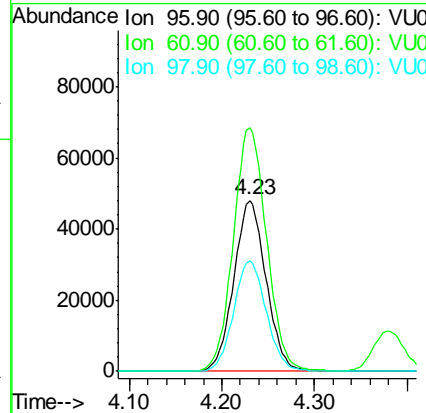
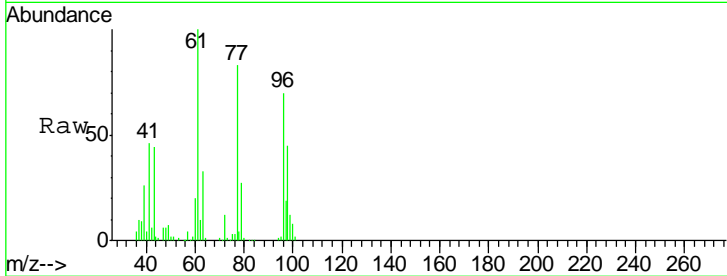


#27
 cis-1,2-Dichloroethene
 Concen: 45.81 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
96	115620		
Ion Ratio			
96	100		
61	147.3	0.0	306.6
98	65.5	0.0	128.8

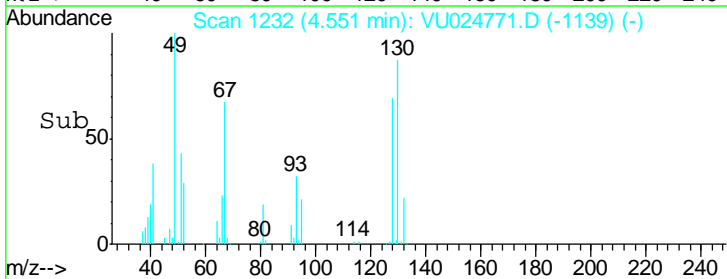
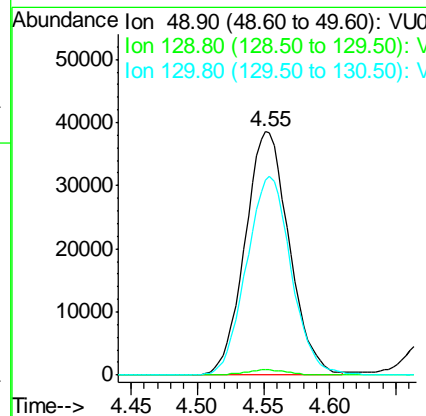
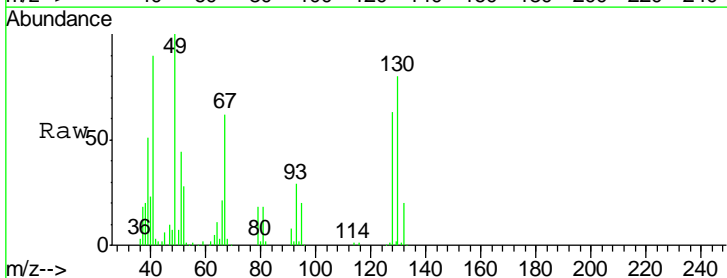
Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

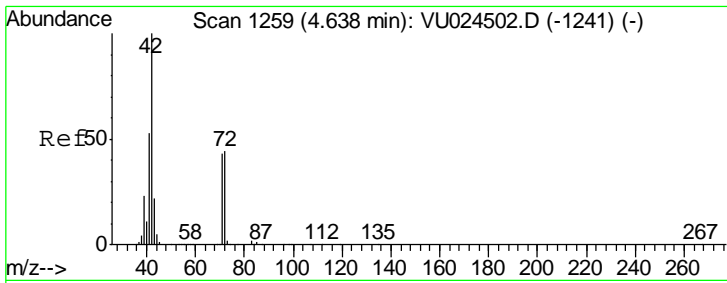
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#28
 Bromochloromethane
 Concen: 47.96 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

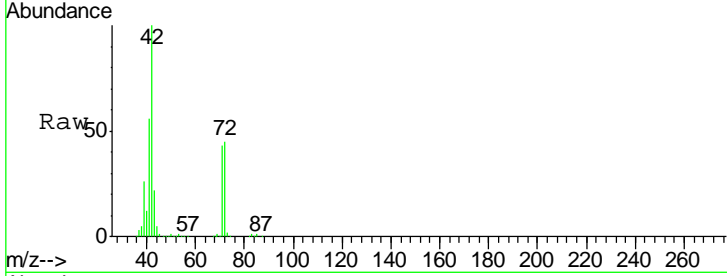
Tgt Ion	Resp	Lower	Upper
49	89152		
Ion Ratio			
49	100		
129	2.0	0.0	3.8
130	82.4	57.8	86.6





#29
 Tetrahydrofuran
 Concen: 268.52 ug/l
 RT: 4.63 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

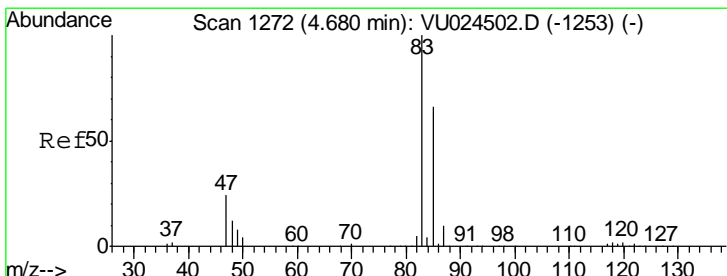
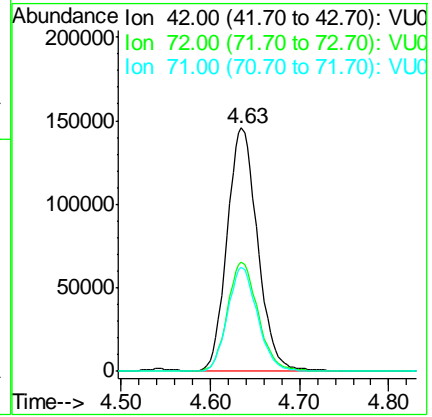
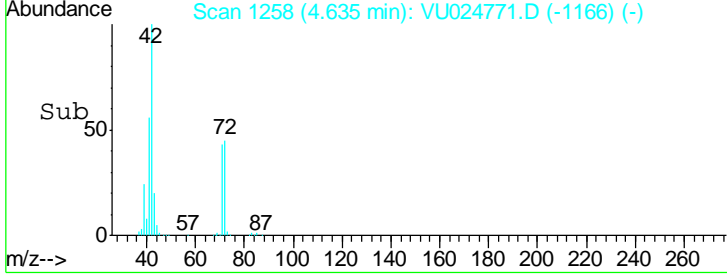
Instrument : MSVOA_U
 Client Sampled : TPTW-04MS



Tgt Ion: 42 Resp: 342961

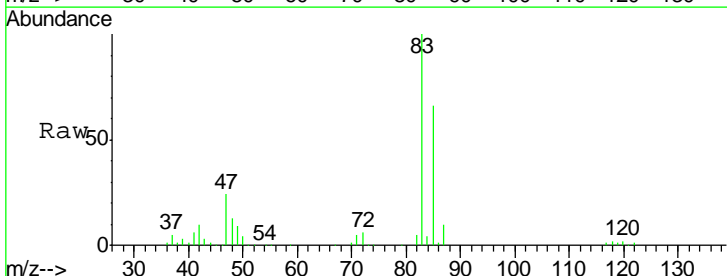
Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.5	51.7
71	42.0	32.2	48.4

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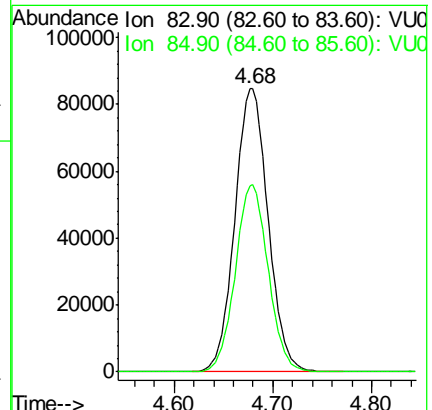
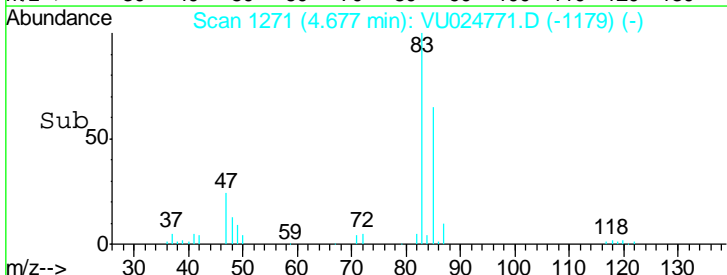
#30
 Chloroform
 Concen: 46.48 ug/l
 RT: 4.68 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

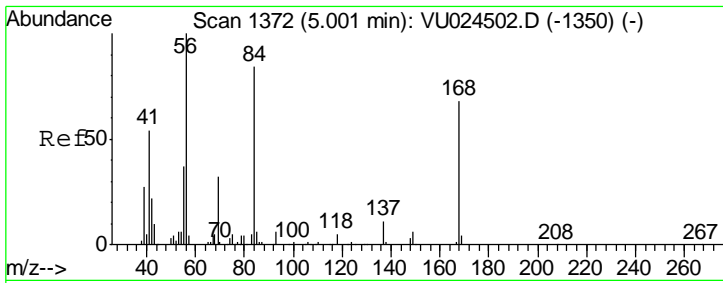
Instrument : MSVOA_U
 Client Sampled : TPTW-04MS



Tgt Ion: 83 Resp: 198529

Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.4	78.6



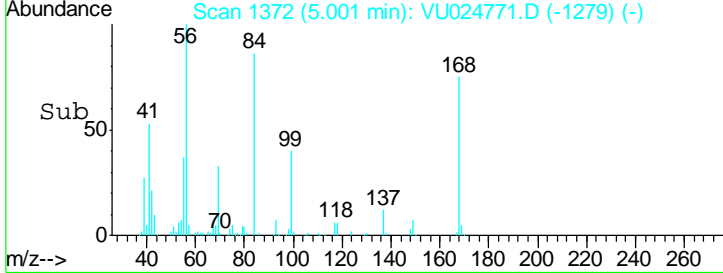
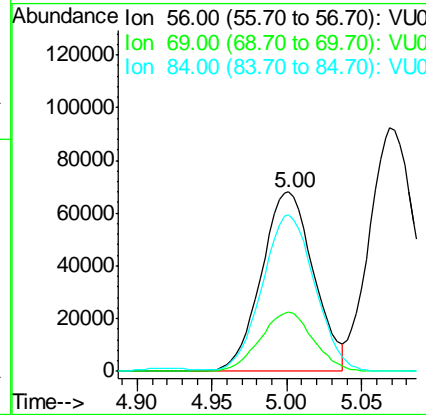
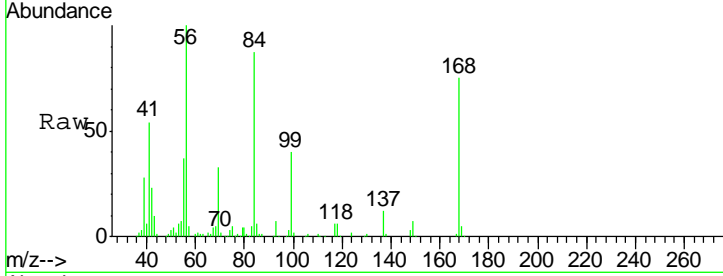


#31
 Cyclohexane
 Concen: 43.82 ug/l
 RT: 5.00 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

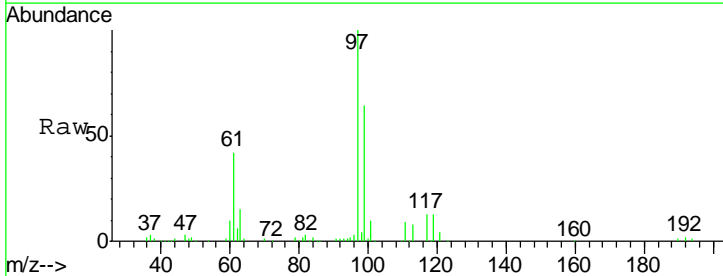
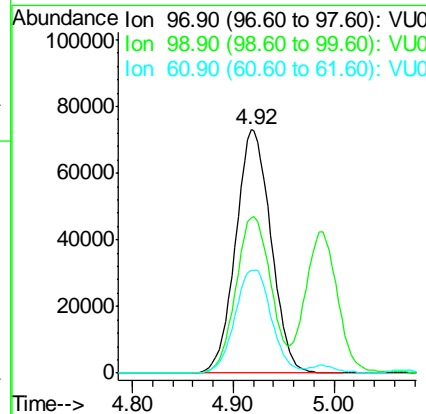
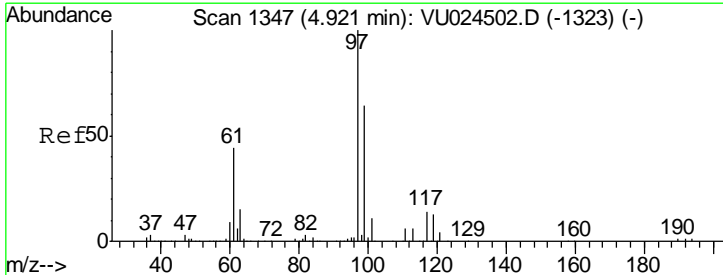
Tgt Ion	Resp	Lower	Upper
56	165129		
69	32.7	24.8	37.2
84	86.1	65.2	97.8

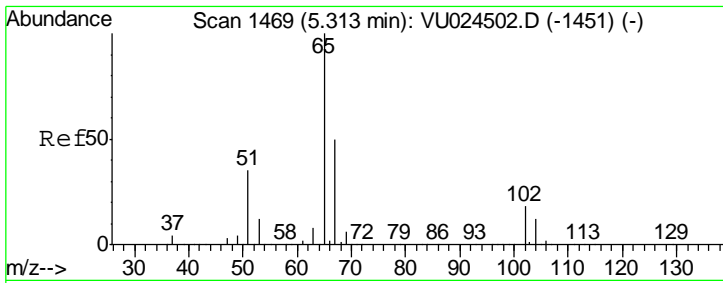
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#32
 1,1,1-Trichloroethane
 Concen: 44.82 ug/l
 RT: 4.92 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
97	177051		
99	64.4	51.0	76.6
61	43.7	39.4	59.0



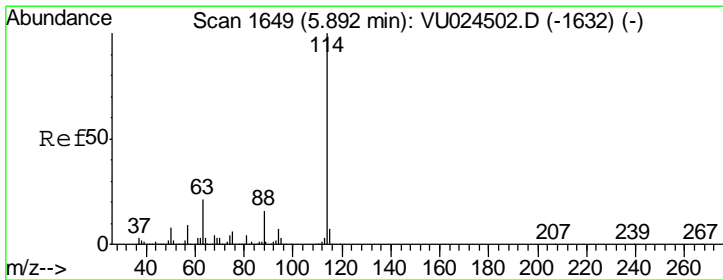
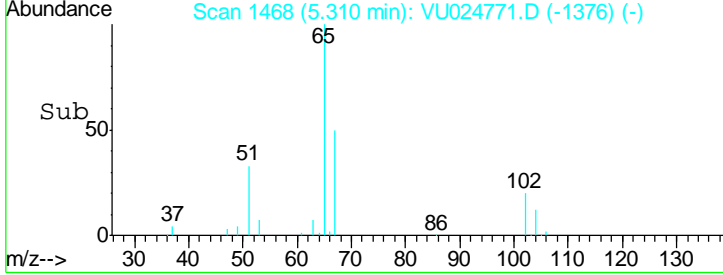
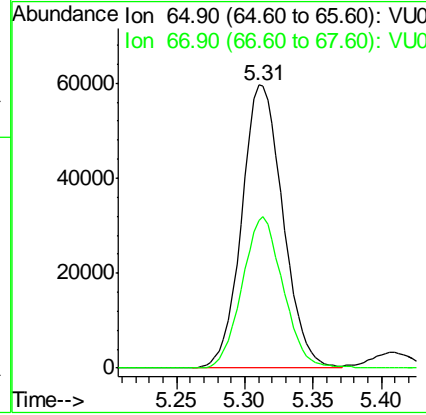
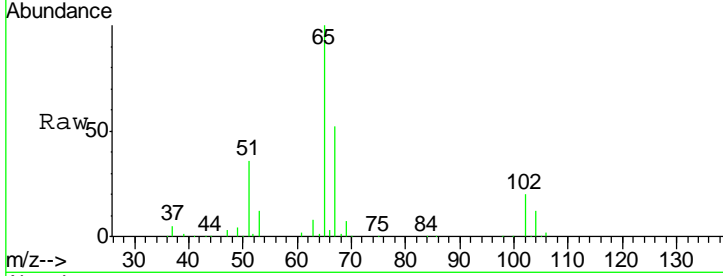


#33
 1,2-Dichloroethane-d4
 Concen: 43.70 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
65	124873		
65	100		
67	53.3	0.0	107.0

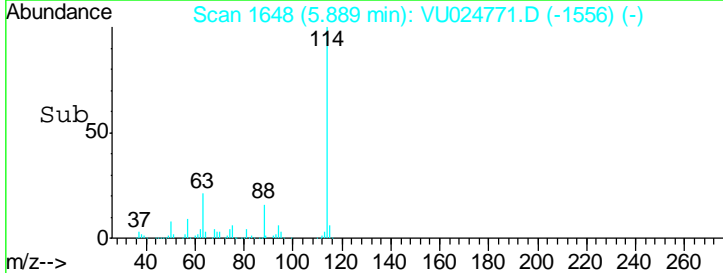
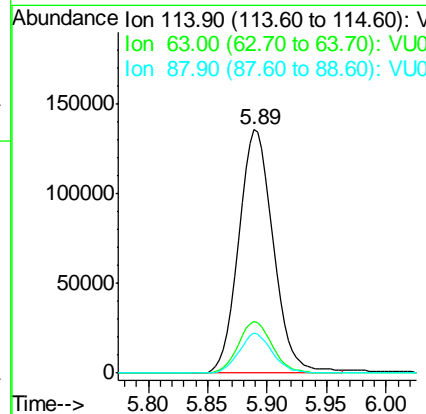
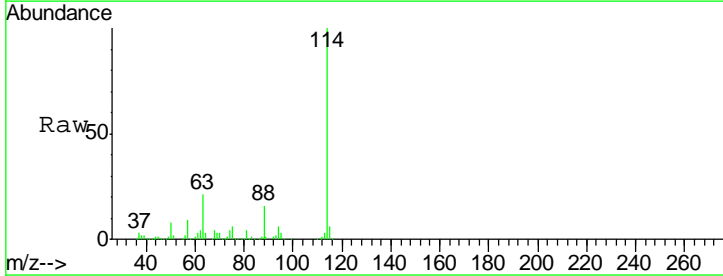
Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

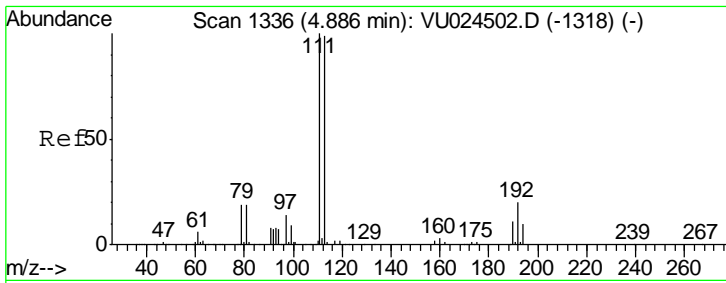
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

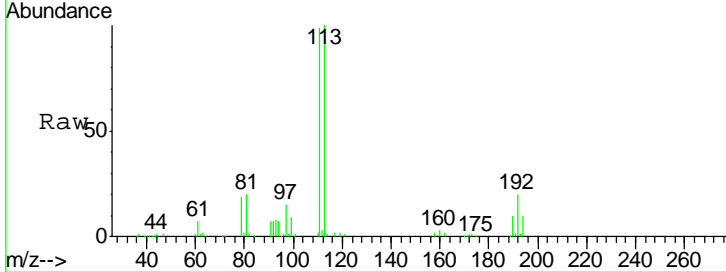
Tgt Ion	Resp	Lower	Upper
114	272921		
114	100		
63	21.0	0.0	45.4
88	16.3	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 46.24 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

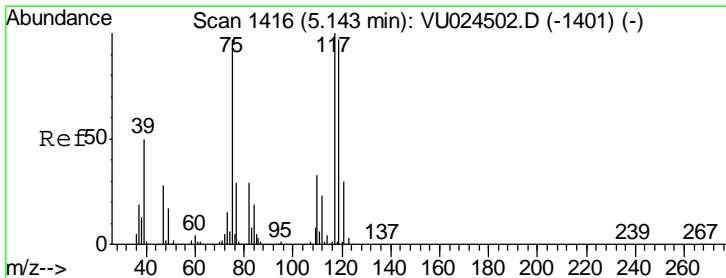
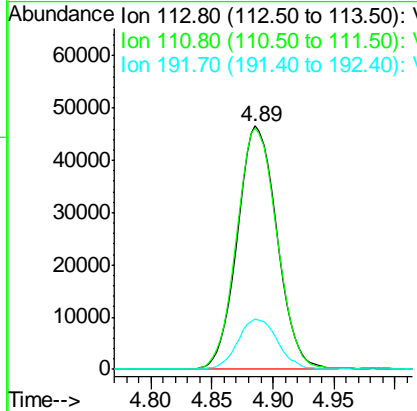
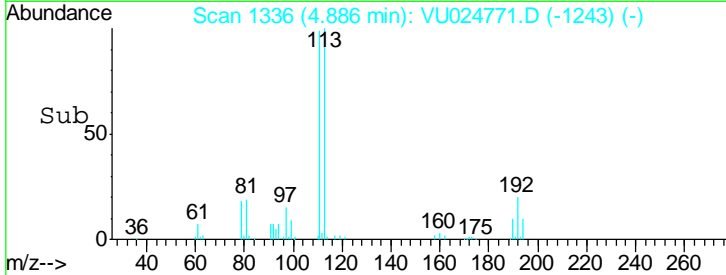
Instrument : MSVOA_U
 Client Sampled : TPTW-04MS



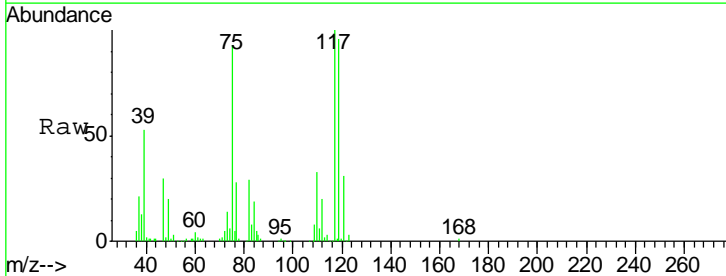
Tgt Ion: 113 Resp: 104735

Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.2	123.4
192	20.8	16.2	24.4

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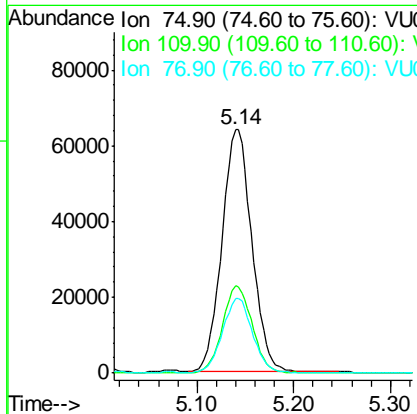
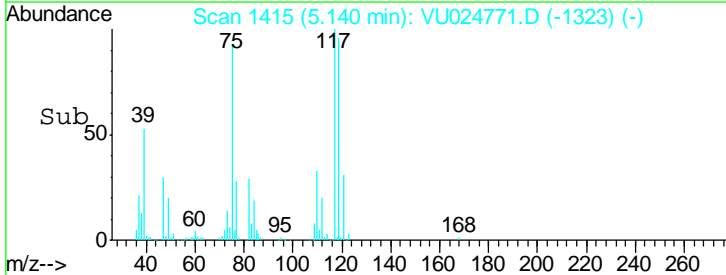


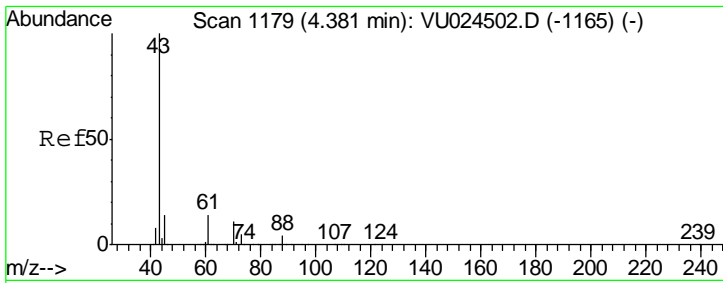
#36
 1,1-Dichloropropene
 Concen: 42.88 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46



Tgt Ion: 75 Resp: 137531

Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.0	50.9
77	30.5	24.2	36.4



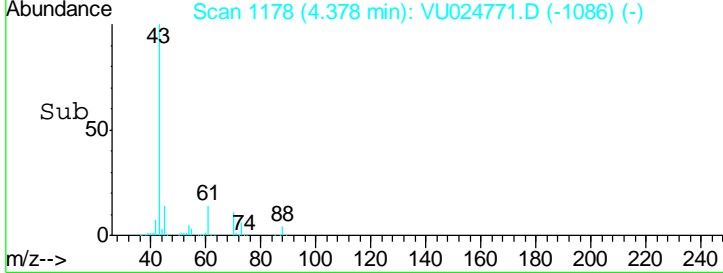
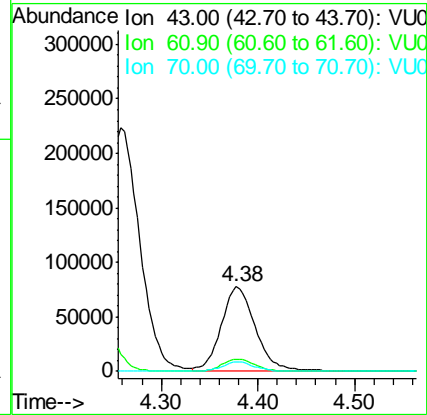
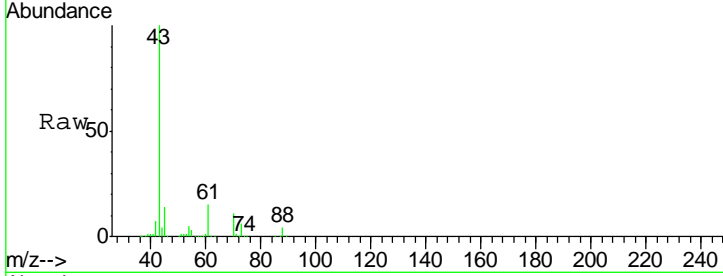


#37
 Ethyl Acetate
 Concen: 53.60 ug/l
 RT: 4.38 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
43	187367		
61	14.1	10.5	15.7
70	10.9	7.4	11.2

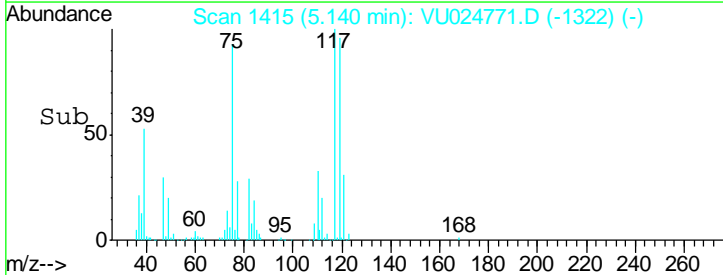
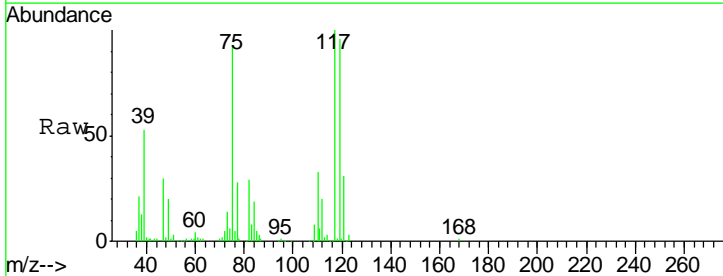
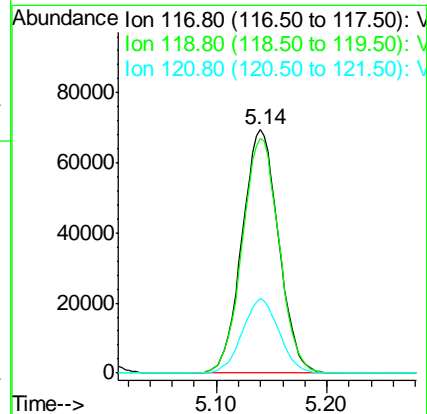
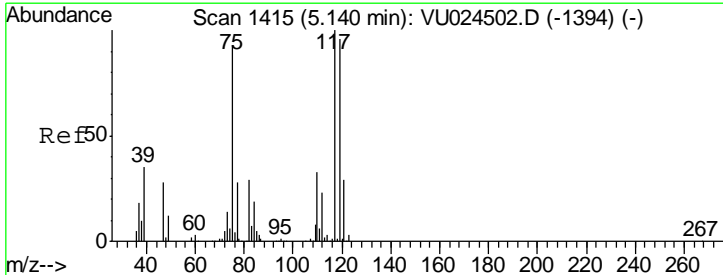
Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

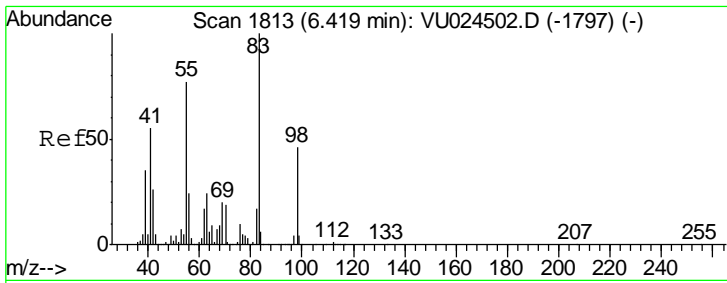
Manual Integrations APPROVED
 apatel
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#38
 Carbon Tetrachloride
 Concen: 45.14 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
117	159190		
119	96.5	76.1	114.1
121	30.5	23.7	35.5



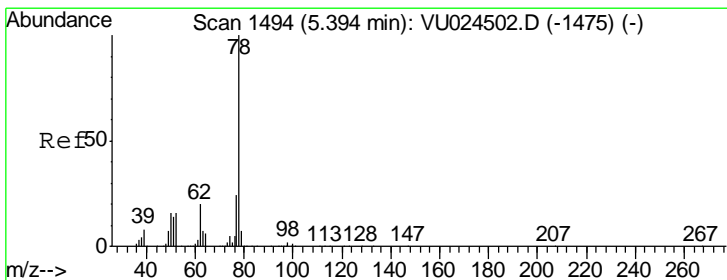
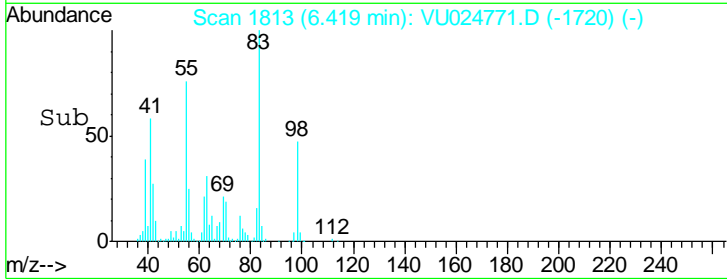
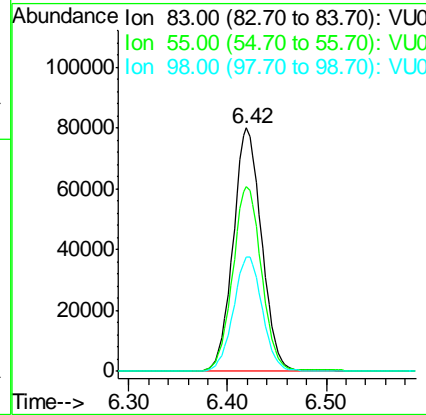
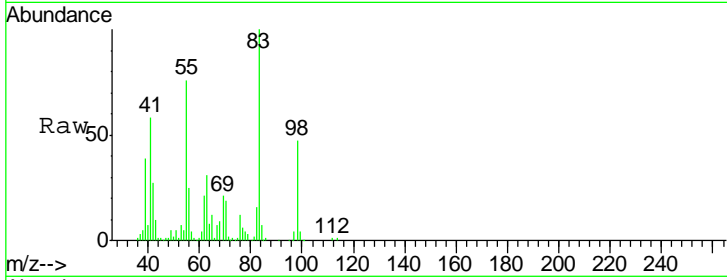


#39
 Methylcyclohexane
 Concen: 40.32 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

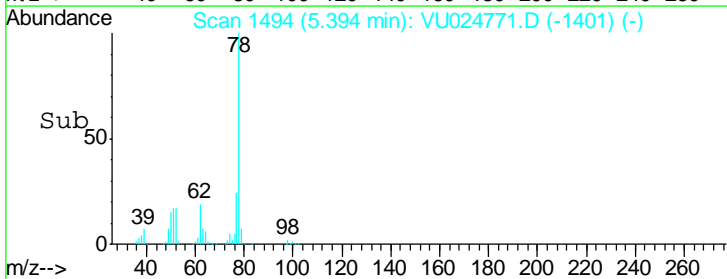
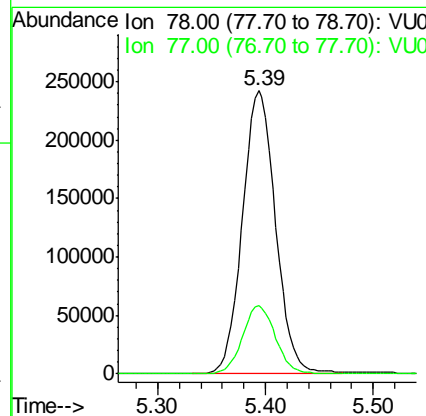
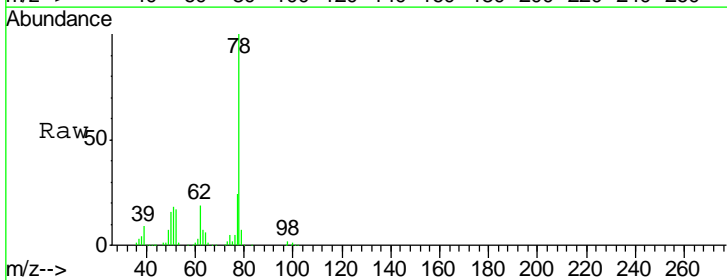
Tgt Ion	Resp	Lower	Upper
83	161367		
83	100		
55	75.8	65.8	98.6
98	47.1	36.7	55.1

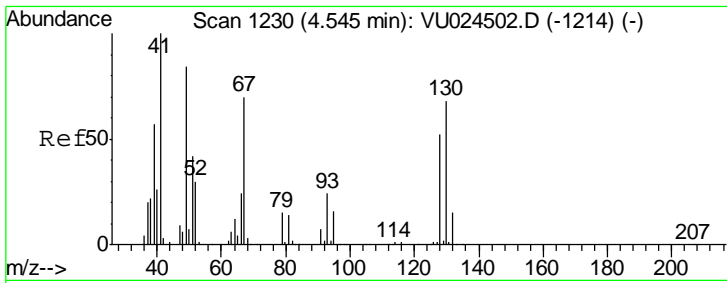
Manual Integrations
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#40
 Benzene
 Concen: 56.74 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
78	518481		
78	100		
77	24.0	19.2	28.8



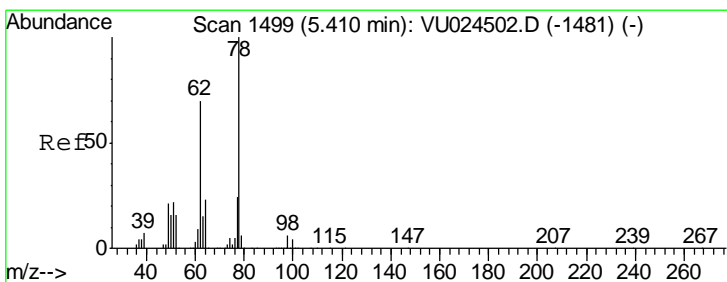
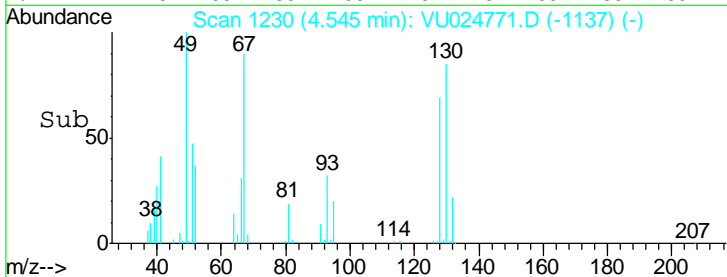
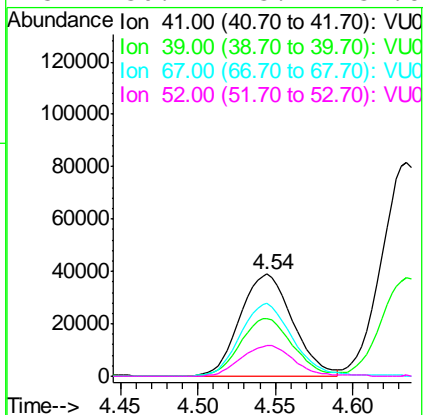
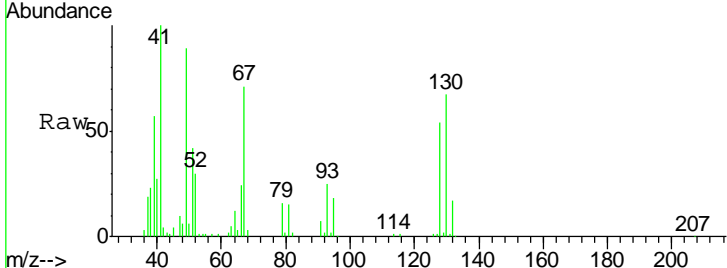


#41
 Methacrylonitrile
 Concen: 48.62 ug/l
 RT: 4.54 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 ClientSampled : VU024771.D
 TPTW-04MS

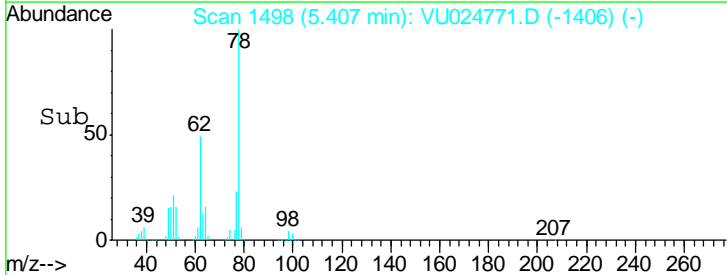
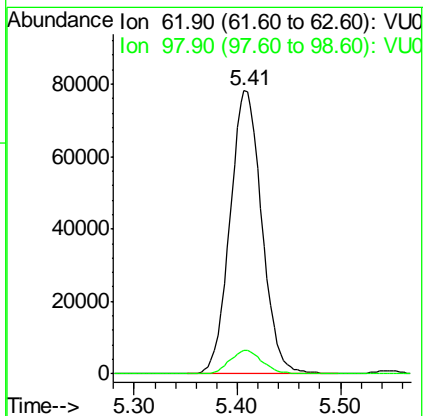
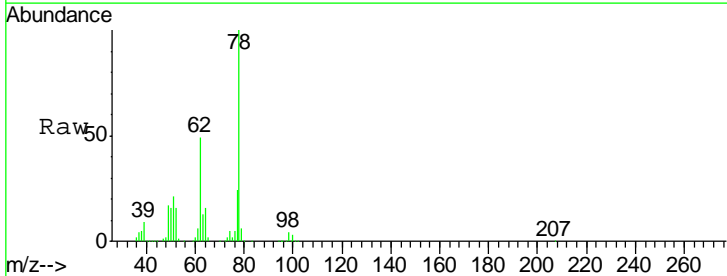
Tgt Ion	Resp	Lower	Upper
41	100		
39	57.0	43.8	65.6
67	71.9	56.3	84.5
52	30.7	23.2	34.8

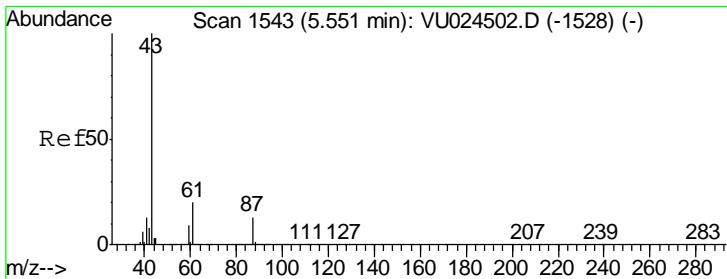
Manual Integrations
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#42
 1,2-Dichloroethane
 Concen: 48.25 ug/l
 RT: 5.41 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
62	100		
98	8.3	0.0	16.6





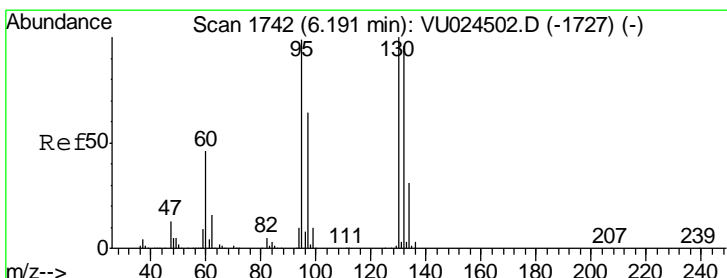
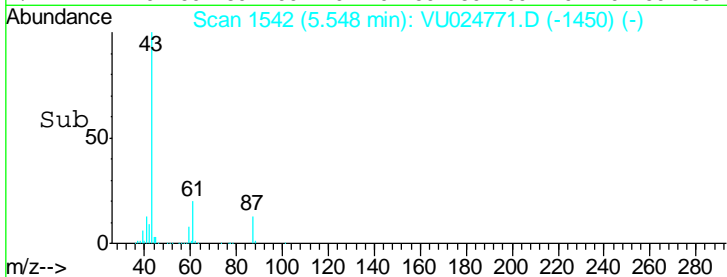
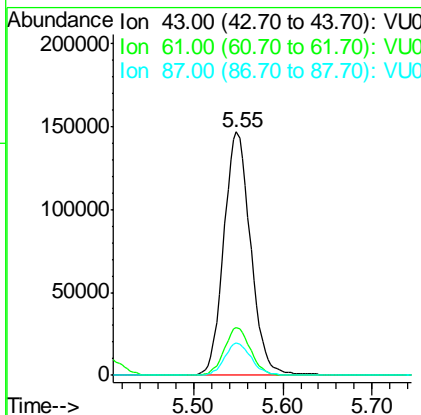
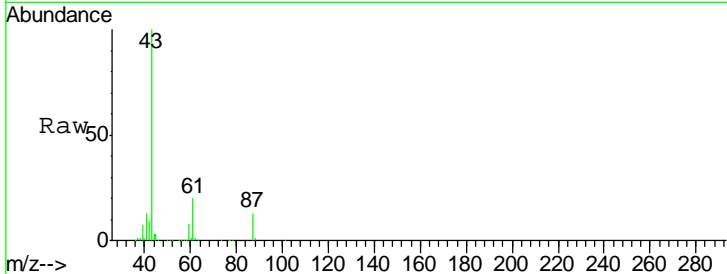
#43
 Isopropyl Acetate
 Concen: 50.14 ug/l
 RT: 5.55 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	13.3	10.0	15.0

Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

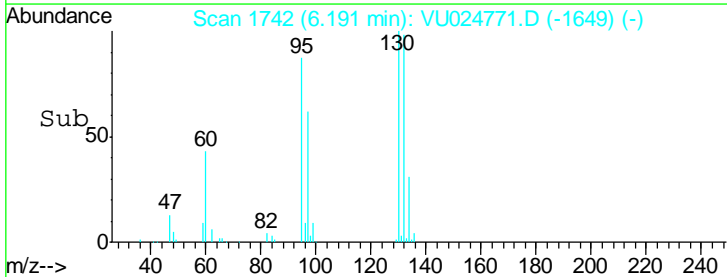
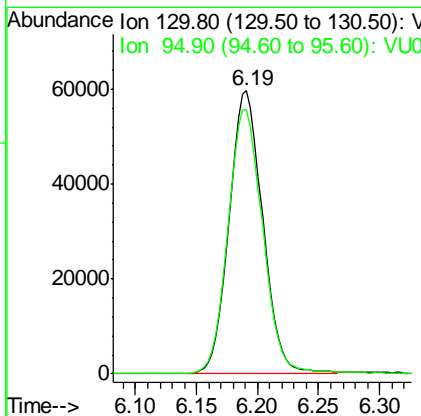
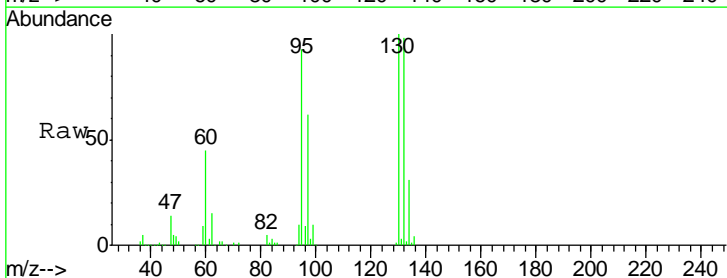
Manual Integrations
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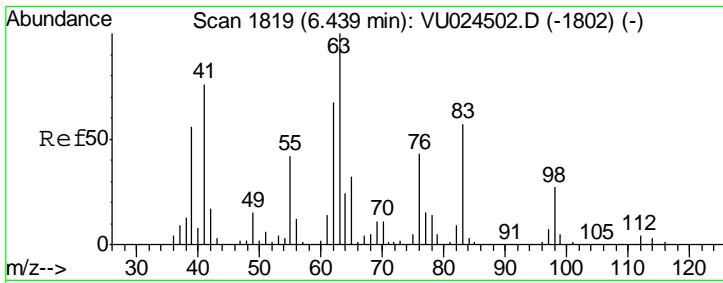
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#44
 Trichloroethene
 Concen: 44.01 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
130	100		
95	93.4	0.0	202.4



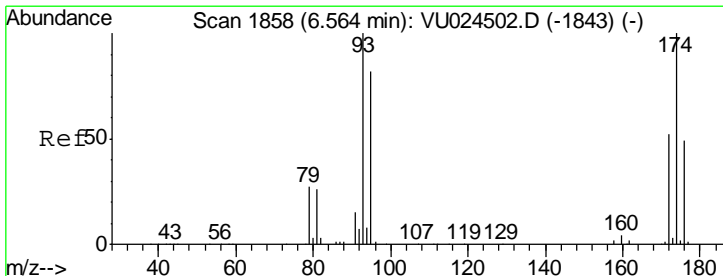
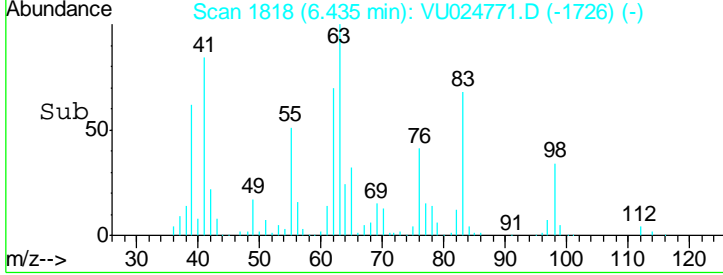
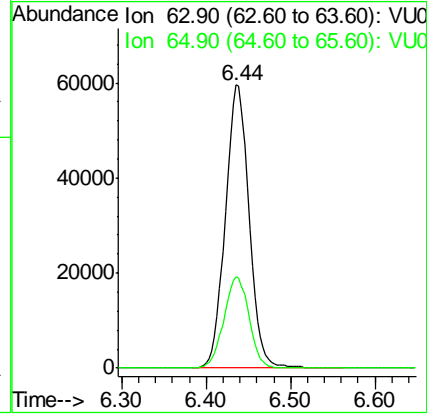
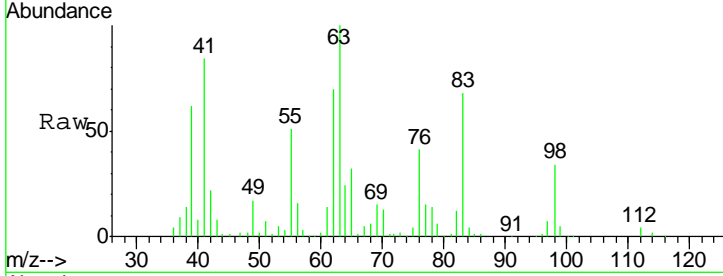


#45
 1,2-Dichloropropane
 Concen: 47.77 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

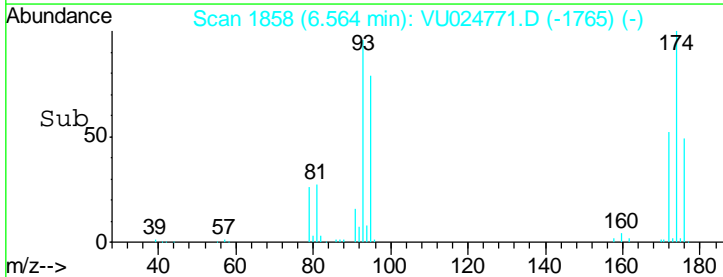
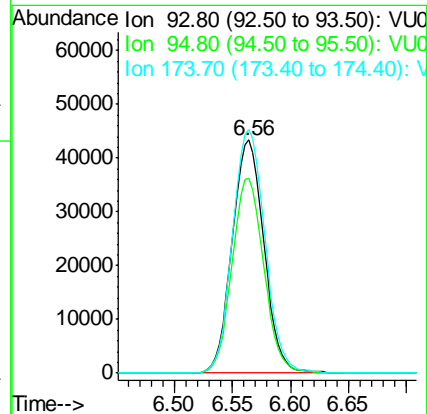
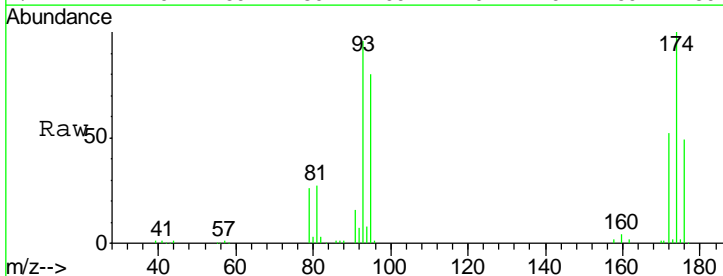
Tgt Ion: 63 Resp: 116474
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.8 37.2

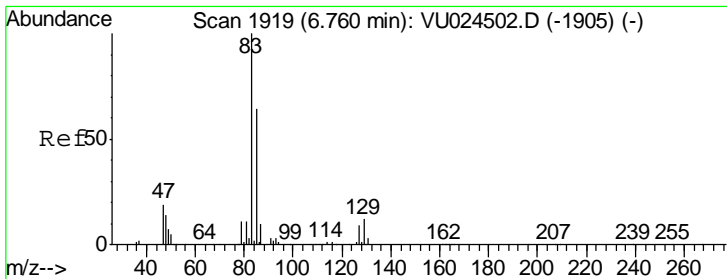
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#46
 Dibromomethane
 Concen: 48.06 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion: 93 Resp: 82310
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.5 98.3
 174 106.5 78.7 118.1

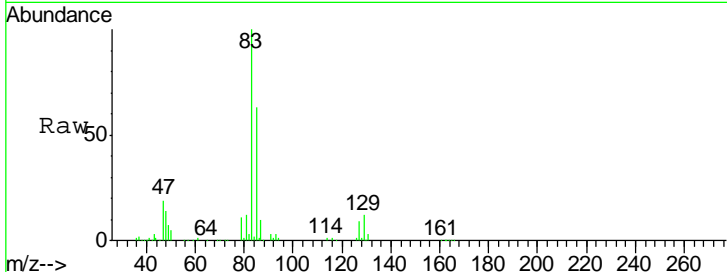




#47

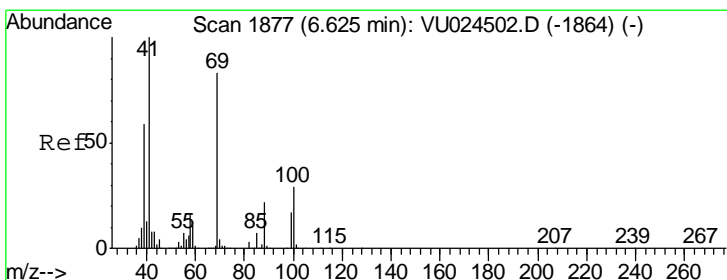
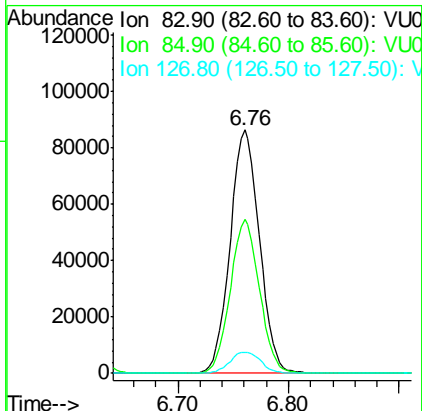
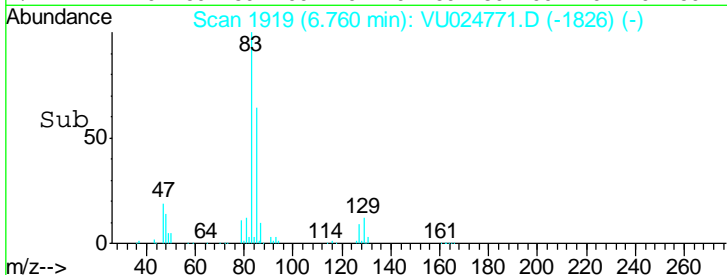
Bromodichloromethane
 Concen: 46.74 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS



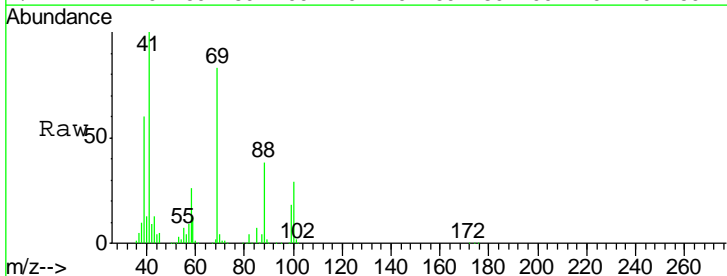
Tgt Ion	Resp	Lower	Upper
83	159414		
85	63.1	51.9	77.9
127	8.6	6.6	9.8

Manual Integrations
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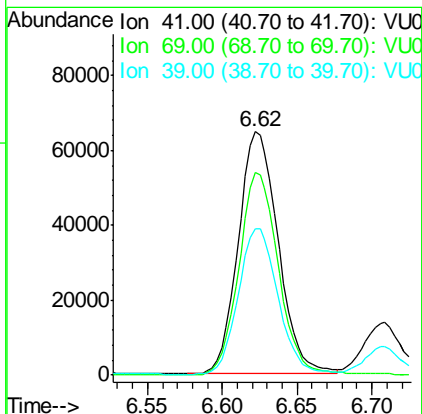
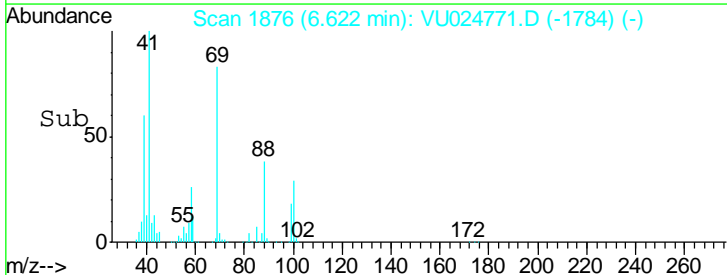


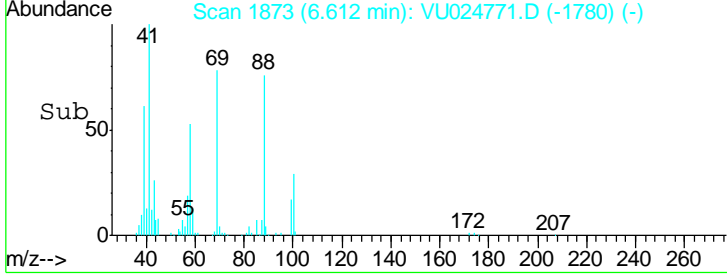
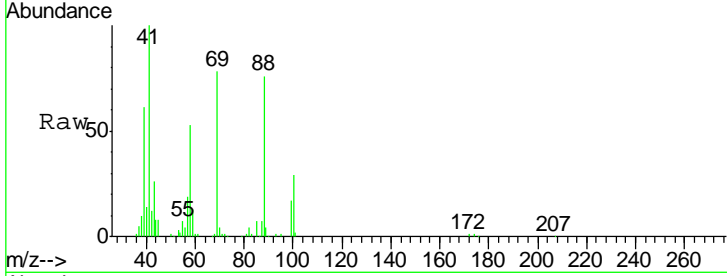
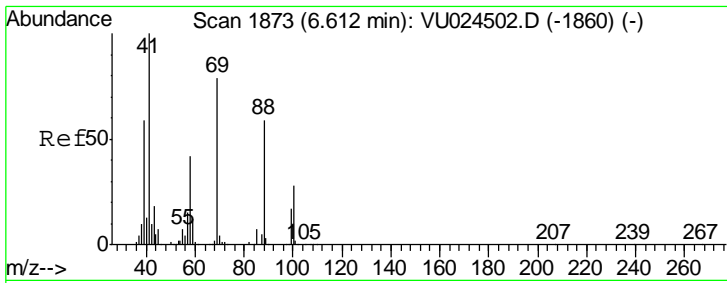
#48

Methyl methacrylate
 Concen: 40.99 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46



Tgt Ion	Resp	Lower	Upper
41	120592		
69	83.1	67.3	100.9
39	59.8	46.5	69.7



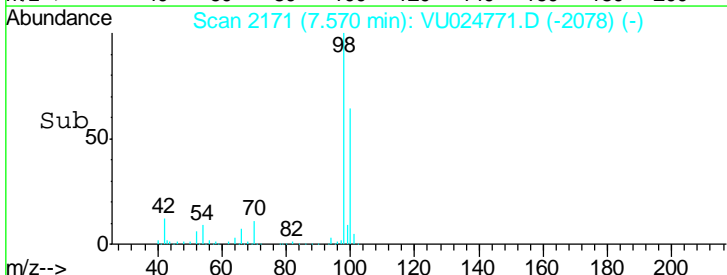
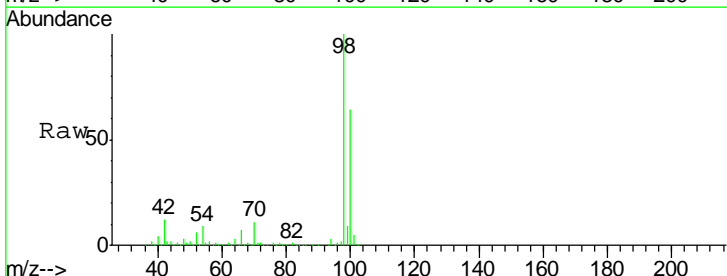
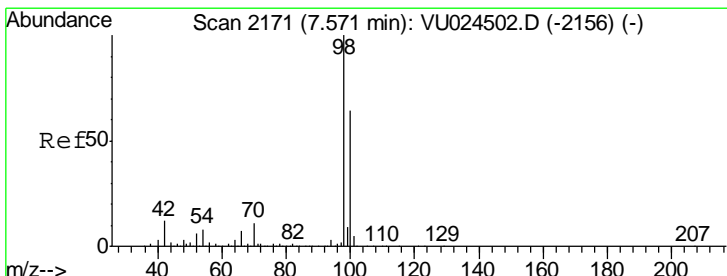
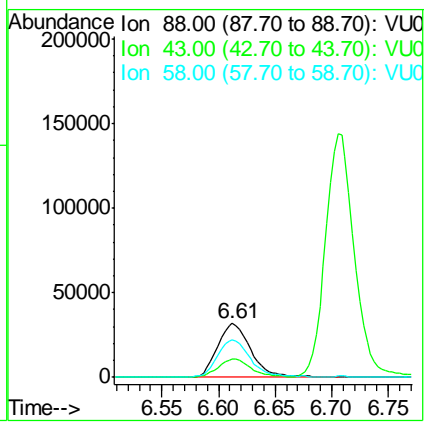


#49
 1,4-Dioxane
 Concen: 1121.93 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
88	64552		
88	100		
43	33.0	28.6	42.8
58	70.7	58.2	87.4

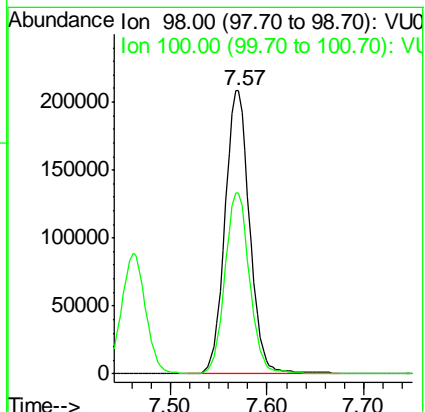
Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

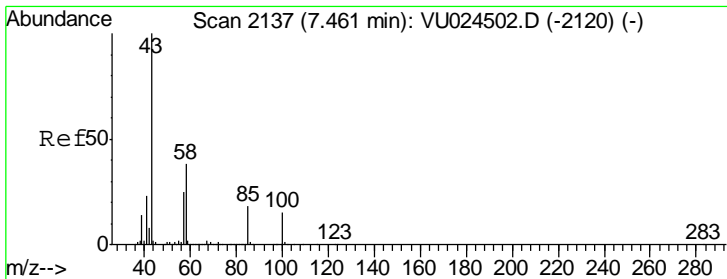
Manual Integrations
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#50
 Toluene-d8
 Concen: 44.79 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
98	370027		
98	100		
100	63.0	51.1	76.7





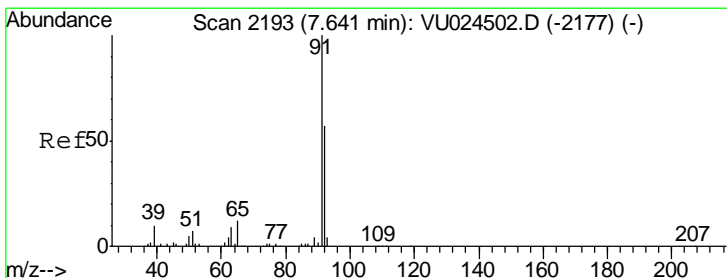
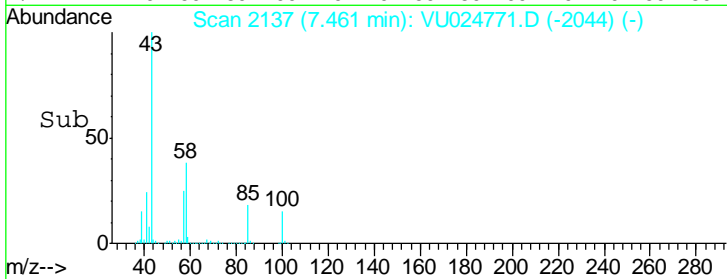
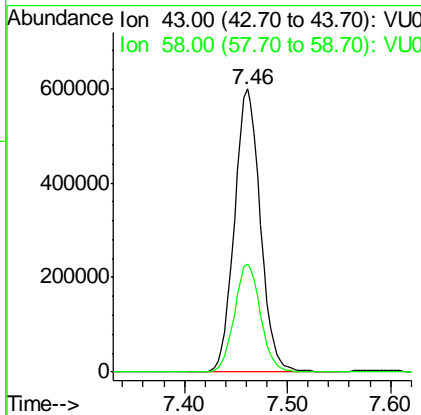
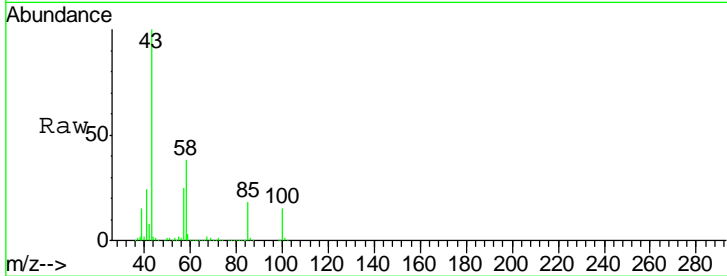
#51
 4-Methyl-2-Pentanone
 Concen: 275.46 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion: 43 Resp: 1045630

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.0	45.0

Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

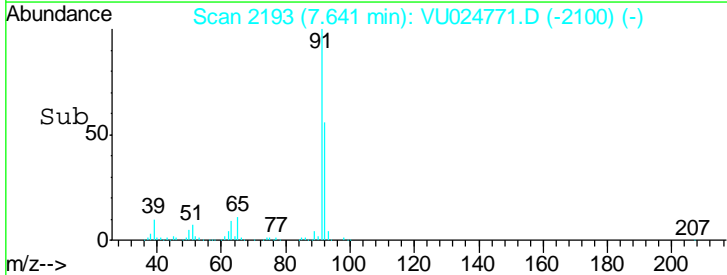
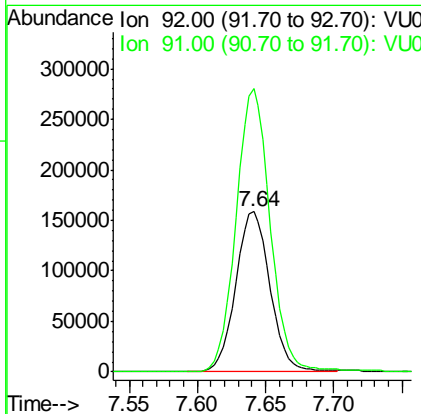
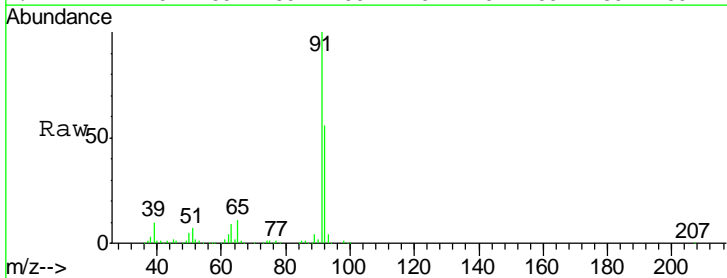
Manual Integrations
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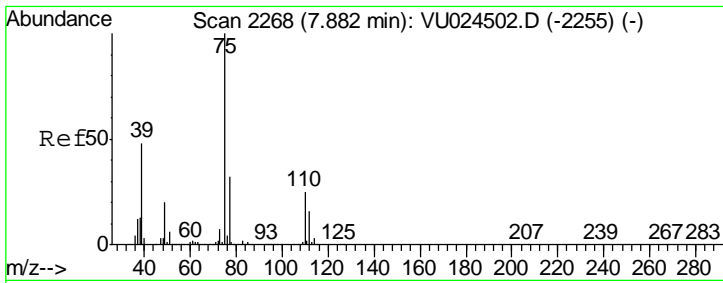


#52
 Toluene
 Concen: 47.12 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion: 92 Resp: 277017

Ion	Ratio	Lower	Upper
92	100		
91	175.8	140.5	210.7



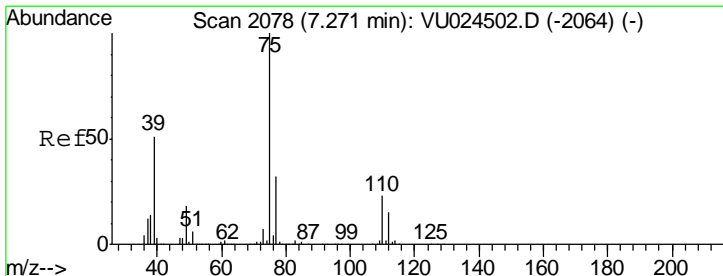
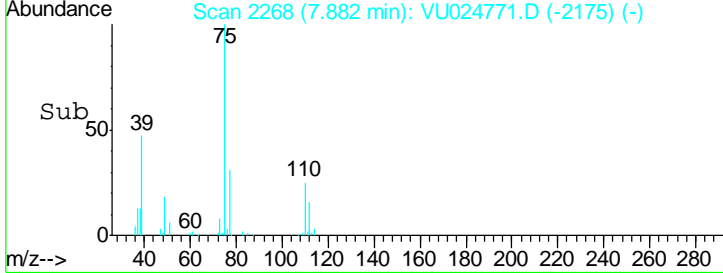
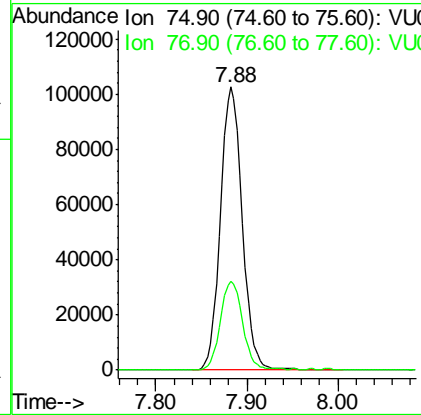
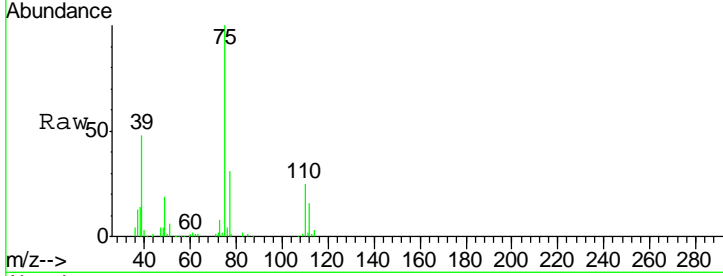


#53
 t-1,3-Dichloropropene
 Concen: 44.67 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

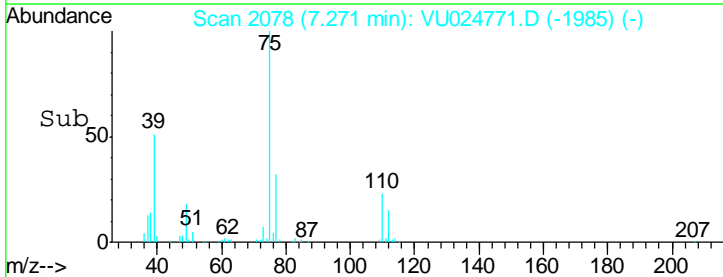
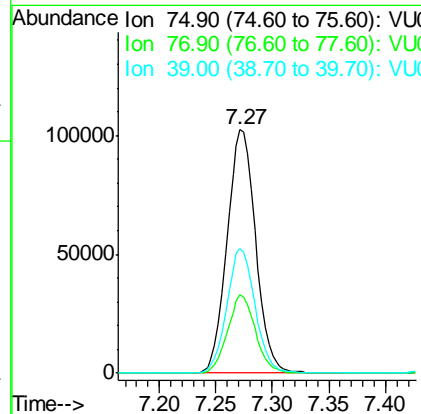
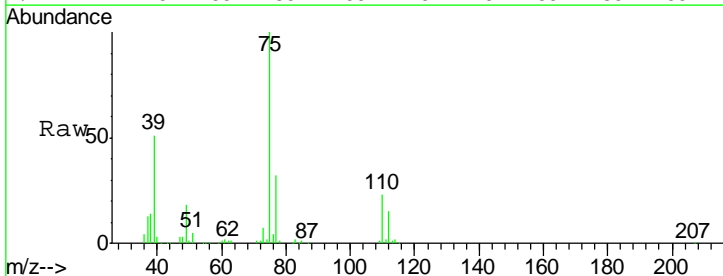
Tgt Ion	Resp	Lower	Upper
75	171104		
75	100		
77	31.5	24.8	37.2

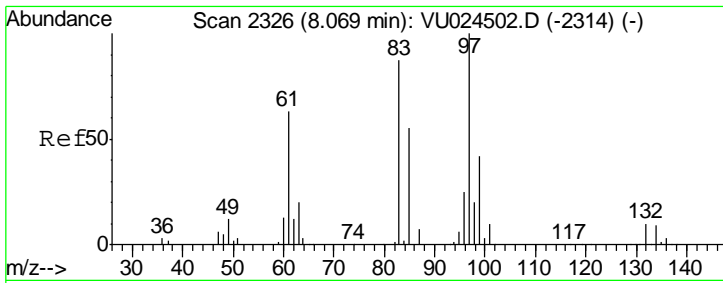
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#54
 cis-1,3-Dichloropropene
 Concen: 44.12 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
75	180063		
75	100		
77	32.2	24.6	36.8
39	51.1	39.8	59.6



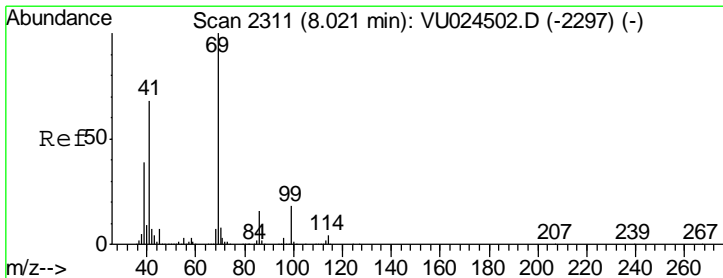
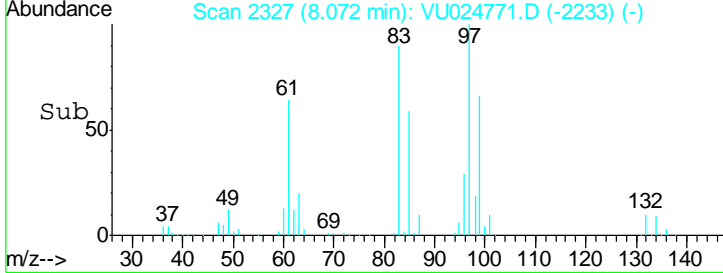
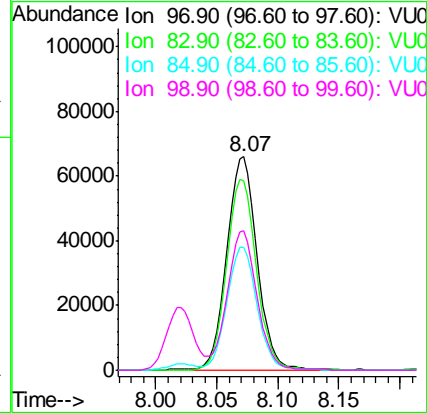
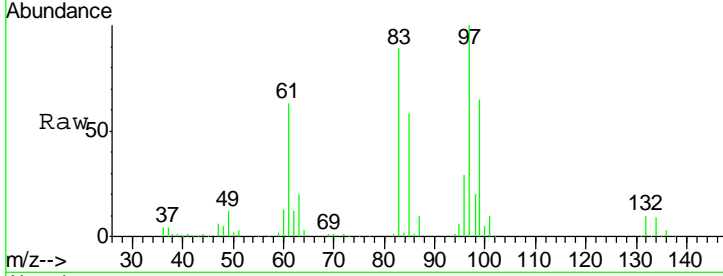


#55
 1,1,2-Trichloroethane
 Concen: 48.03 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
97	114773		
97	100		
83	88.5	70.5	105.7
85	57.7	46.4	69.6
99	65.3	50.2	75.2

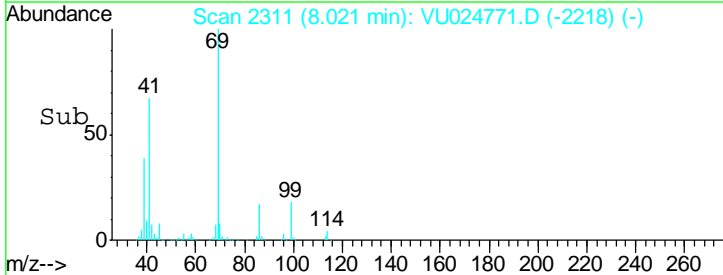
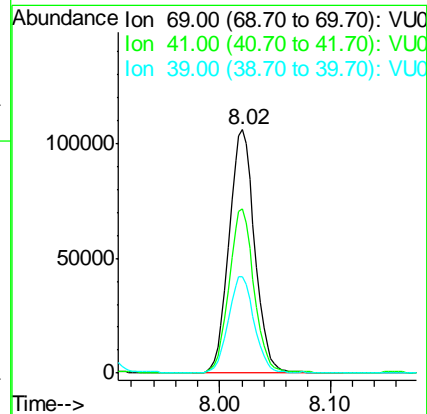
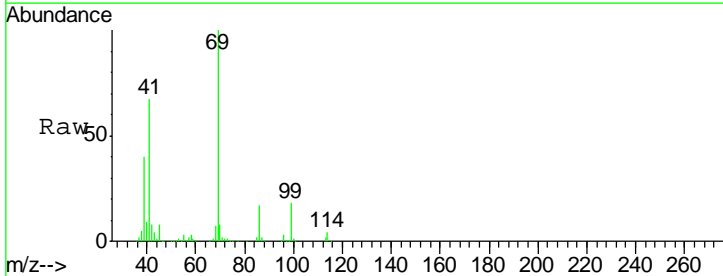
Instrument : MSVOA_U
 ClientSampled : VU024771.D
 TPTW-04MS

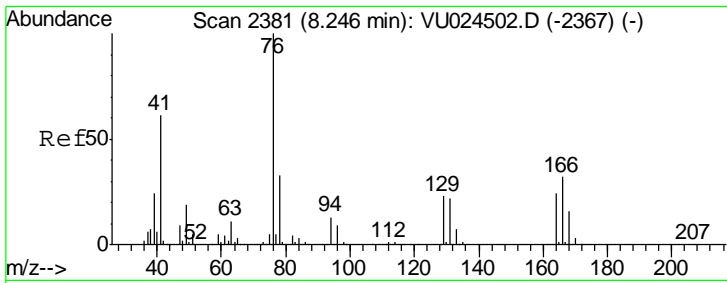
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 42.86 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
69	171436		
69	100		
41	65.3	54.1	81.1
39	39.3	30.3	45.5



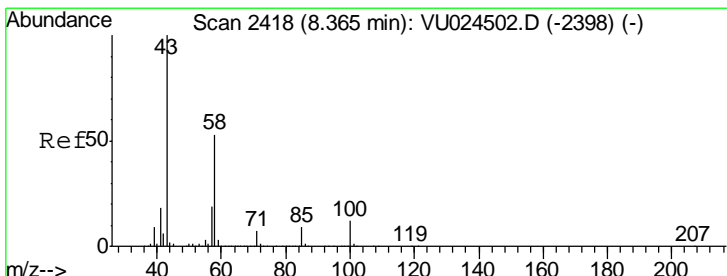
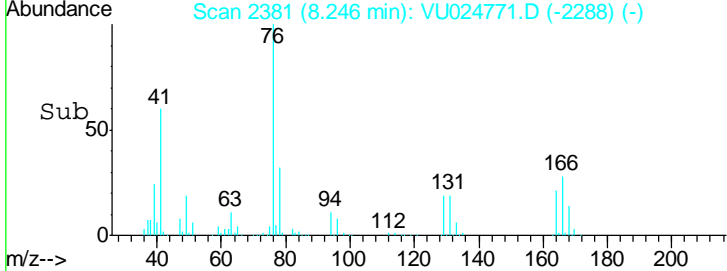
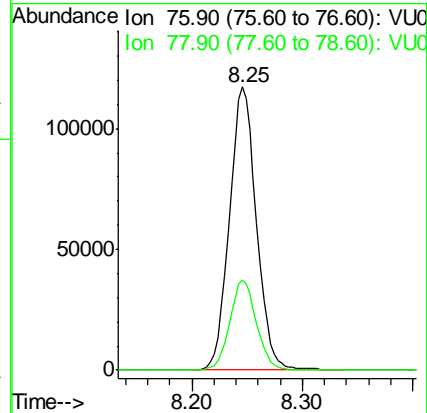
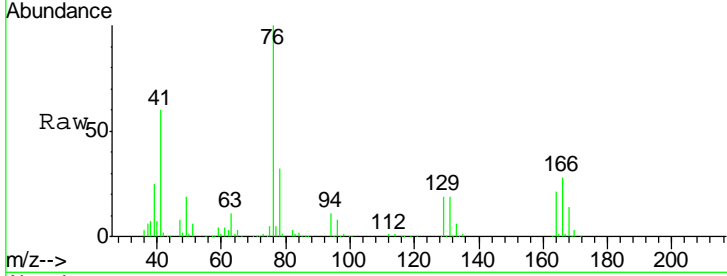


#57
 1,3-Dichloropropane
 Concen: 49.31 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
76	198793		
76	100		
78	31.4	25.2	37.8

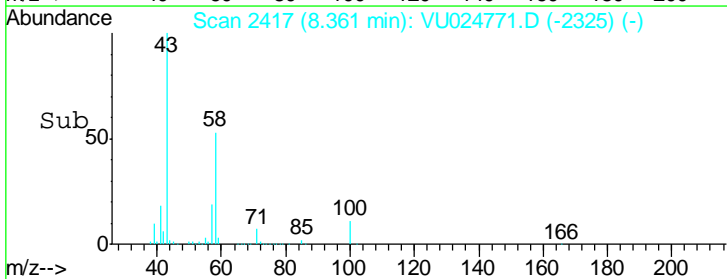
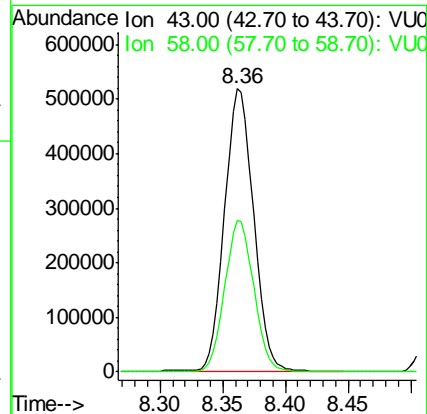
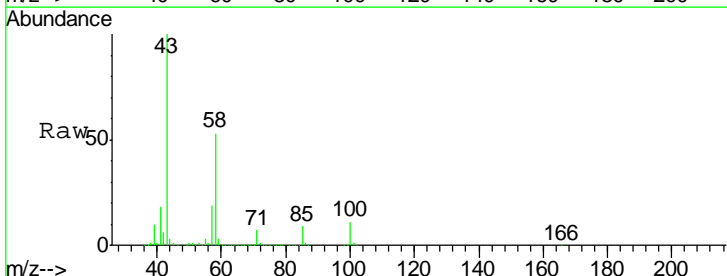
Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

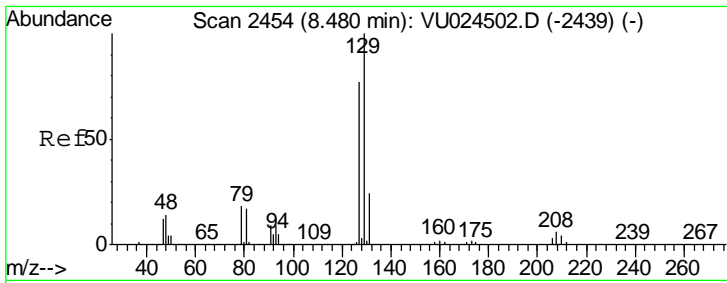
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#59
 2-Hexanone
 Concen: 268.07 ug/l
 RT: 8.36 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
43	830761		
43	100		
58	53.7	26.4	79.0





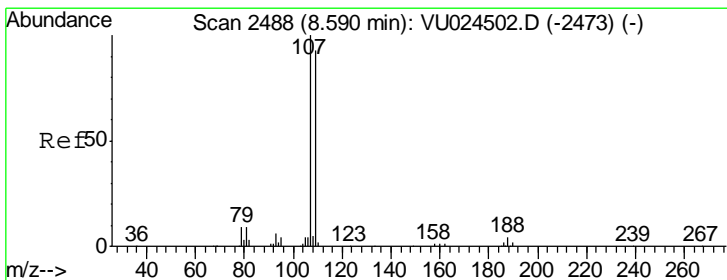
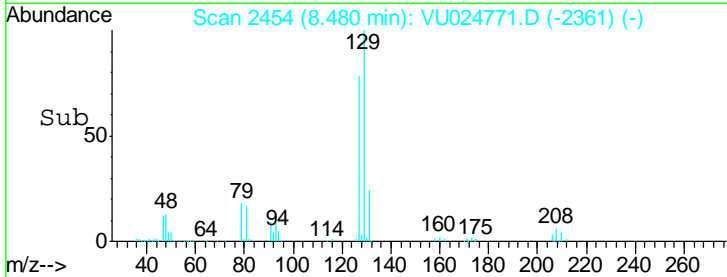
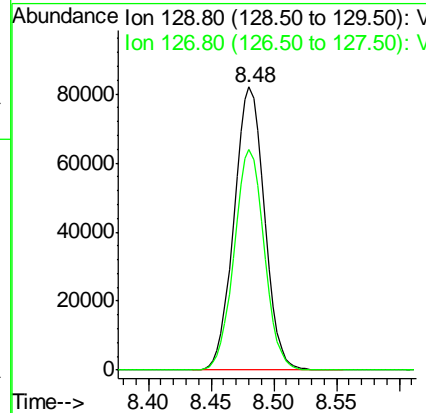
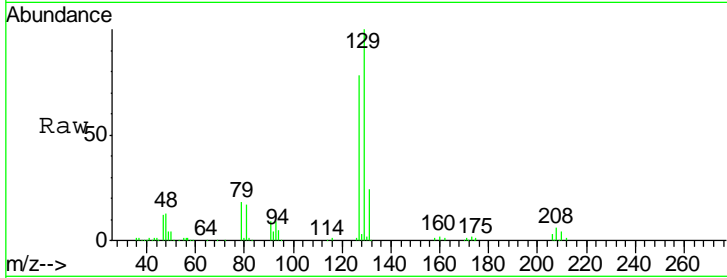
#60
 Dibromochloromethane
 Concen: 46.41 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

Tgt Ion	Resp	Lower	Upper
129	138311		
127	77.2	38.6	116.0

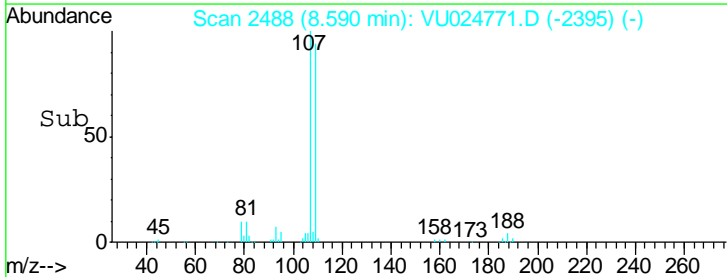
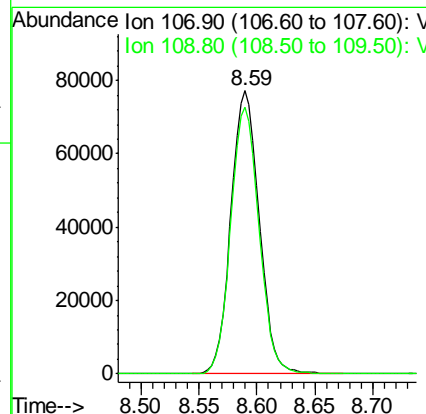
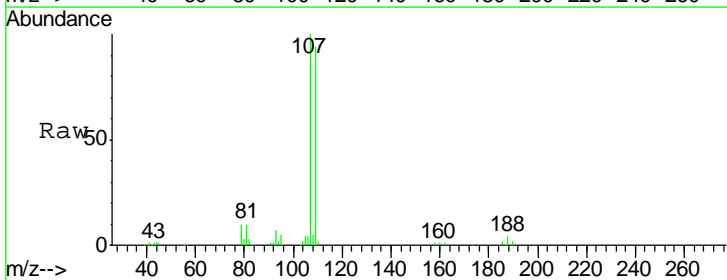
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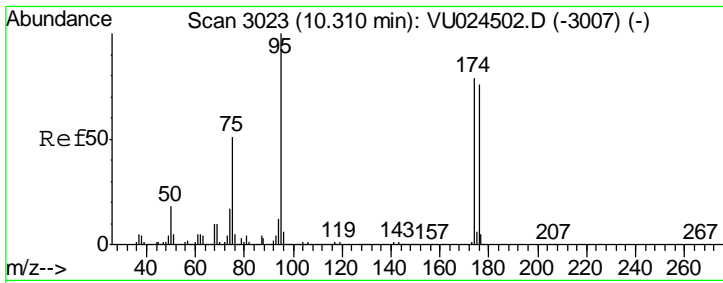
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#61
 1,2-Dibromoethane
 Concen: 49.19 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
107	130852		
109	94.1	74.5	111.7



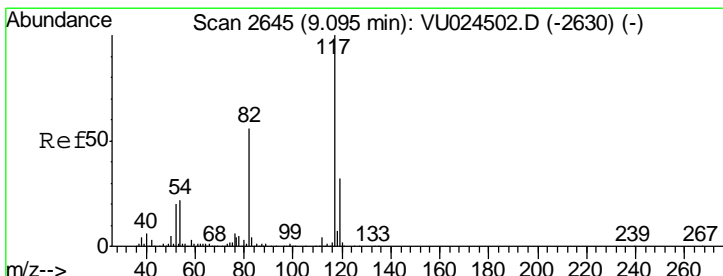
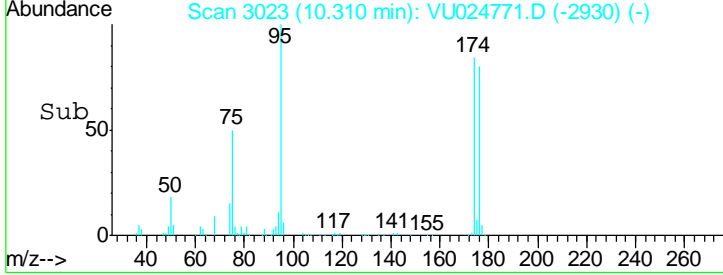
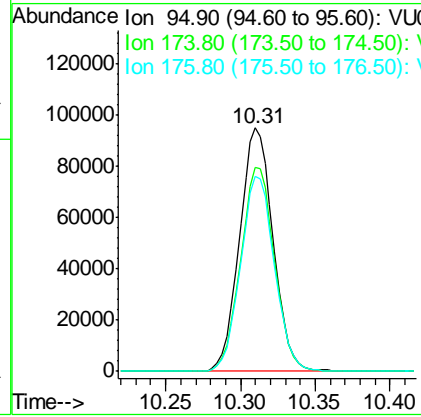
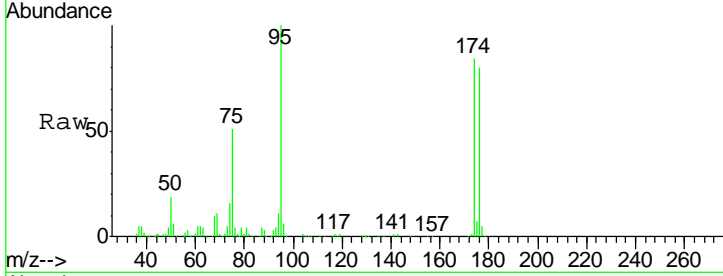


#62
 4-Bromofluorobenzene
 Concen: 45.17 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

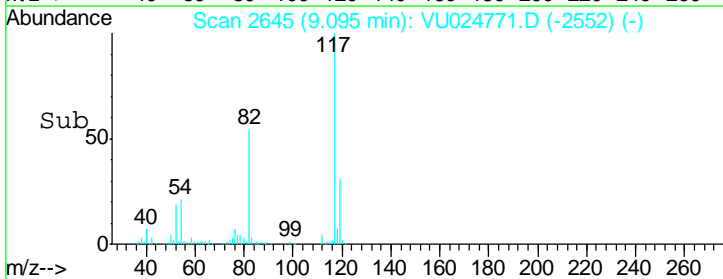
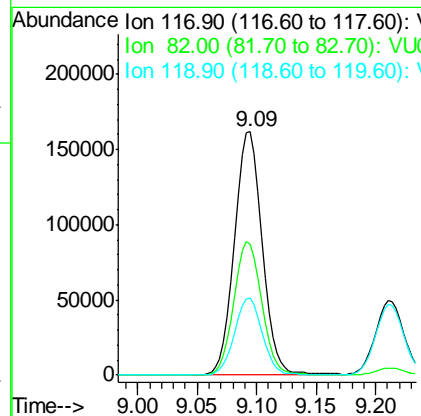
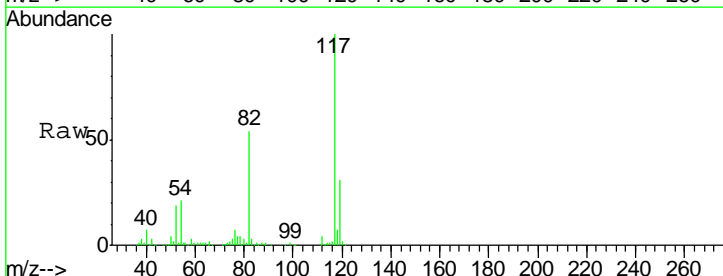
Tgt Ion	Resp	Lower	Upper
95	148176		
95	100		
174	84.6	0.0	165.8
176	81.0	0.0	159.4

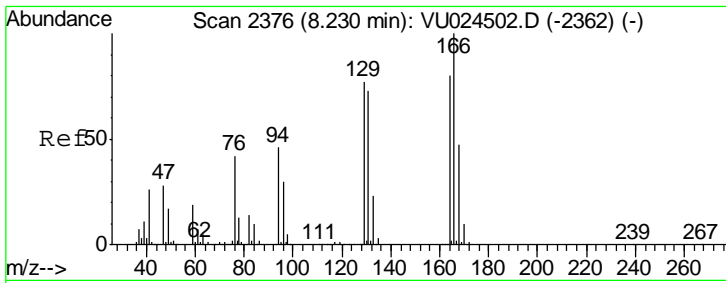
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#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

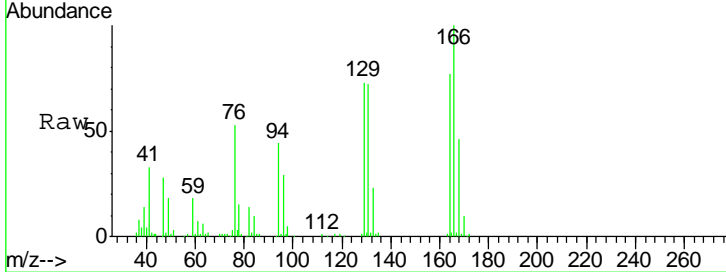
Tgt Ion	Resp	Lower	Upper
117	263540		
117	100		
82	54.0	44.3	66.5
119	31.5	25.4	38.2





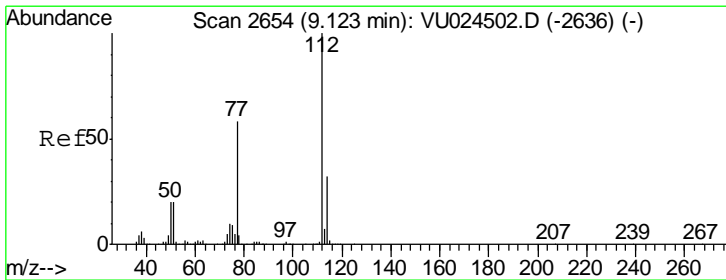
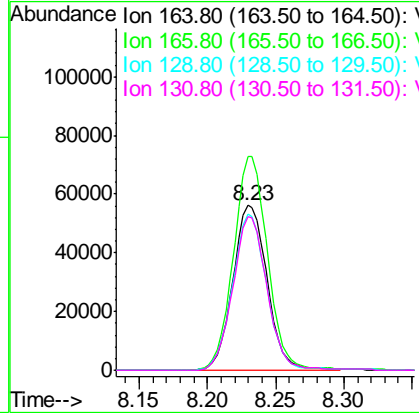
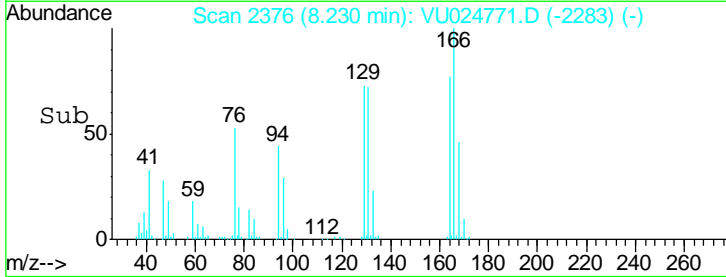
#64
 Tetrachloroethene
 Concen: 39.10 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS



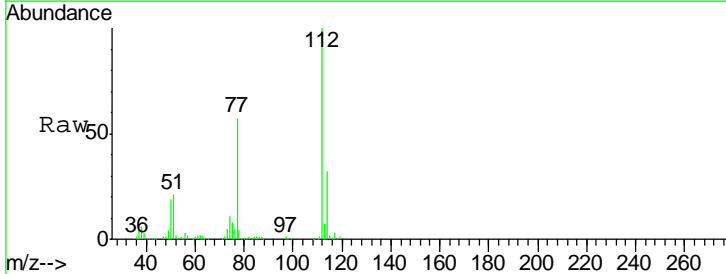
Tgt Ion	Resp	Lower	Upper
164	100		
166	129.2	101.7	152.5
129	94.5	76.9	115.3
131	92.9	74.9	112.3

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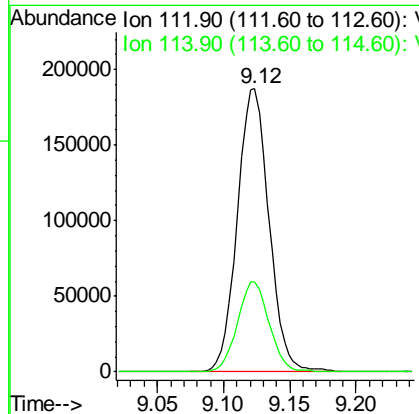
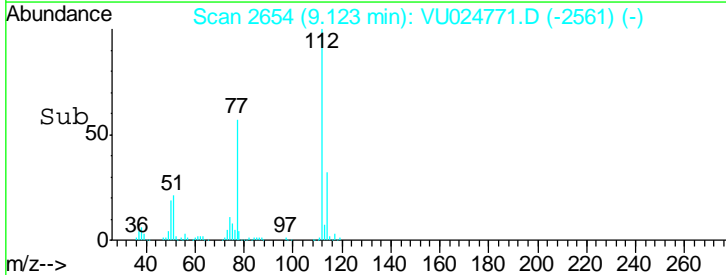


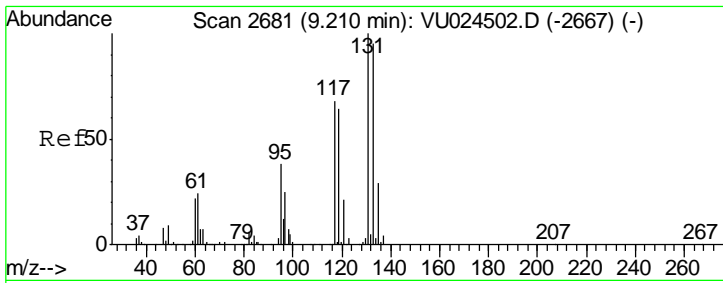
#65
 Chlorobenzene
 Concen: 46.29 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS



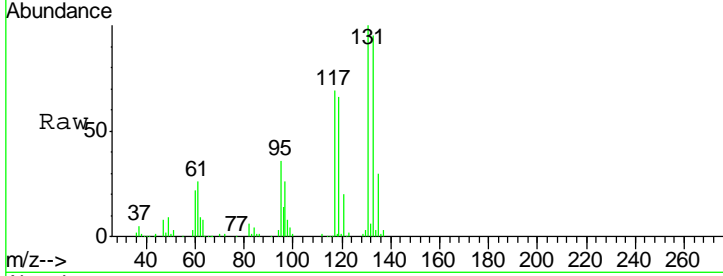
Tgt Ion	Resp	Lower	Upper
112	100		
114	31.9	25.6	38.4





#66
 1,1,1,2-Tetrachloroethane
 Concen: 46.86 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

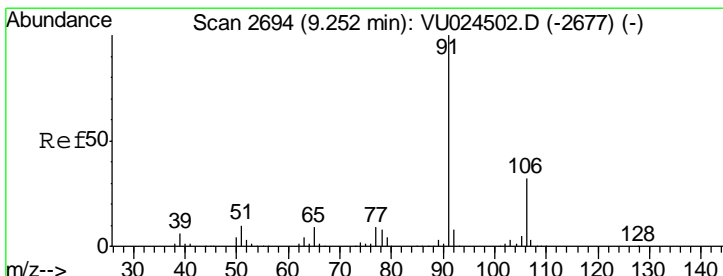
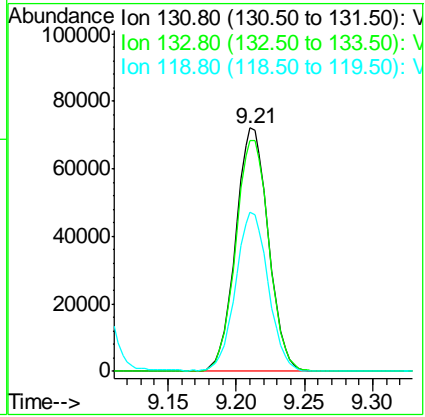
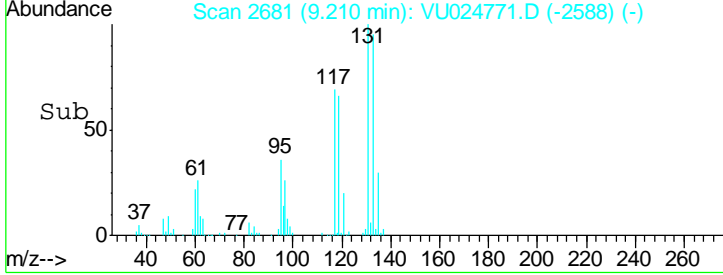
Instrument : MSVOA_U
 Client Sampled : TPTW-04MS



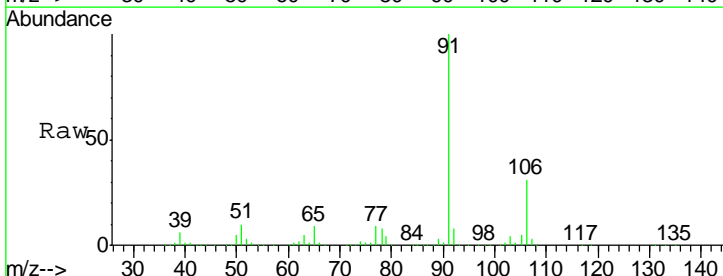
Tgt Ion: 131 Resp: 119870

Ion	Ratio	Lower	Upper
131	100		
133	96.6	46.9	140.8
119	65.2	33.5	100.4

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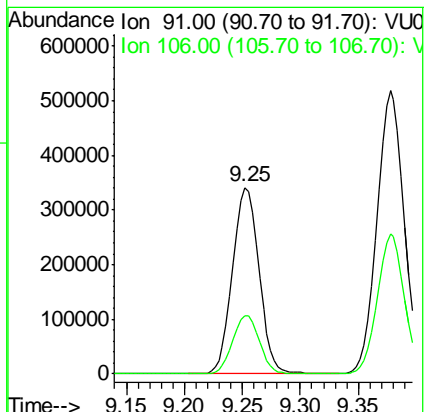
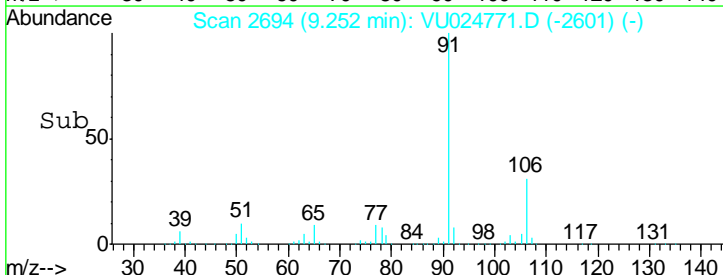


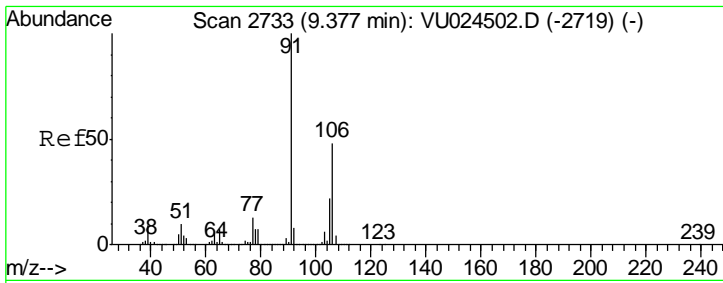
#67
 Ethyl Benzene
 Concen: 45.70 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46



Tgt Ion: 91 Resp: 539356

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.2	36.4



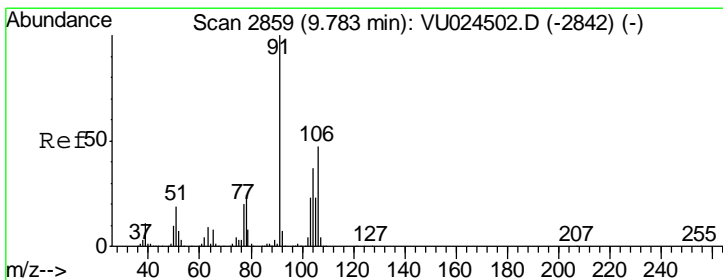
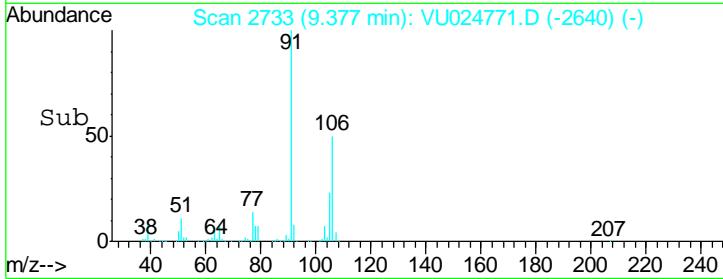
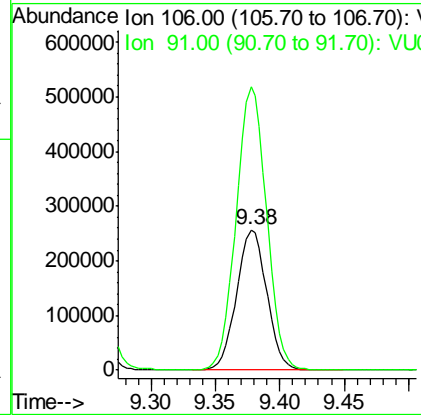
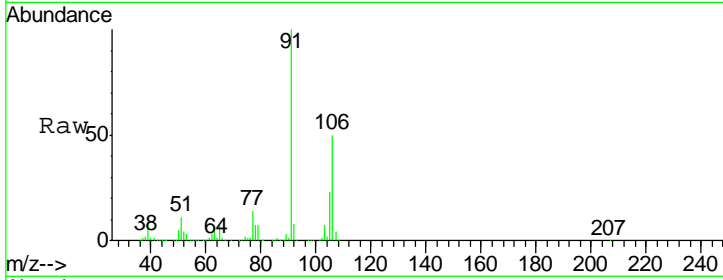


#68
 m/p-Xylenes
 Concen: 92.01 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

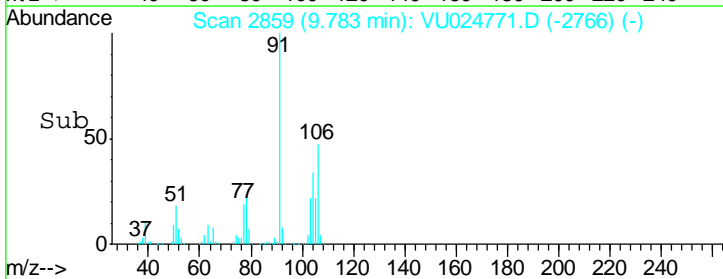
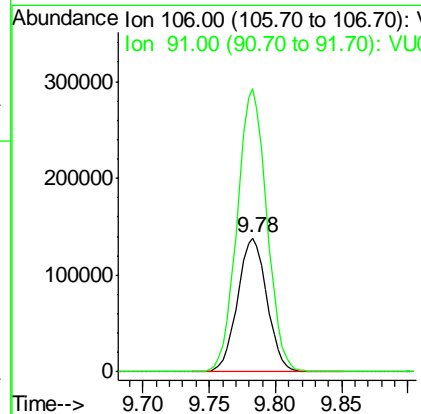
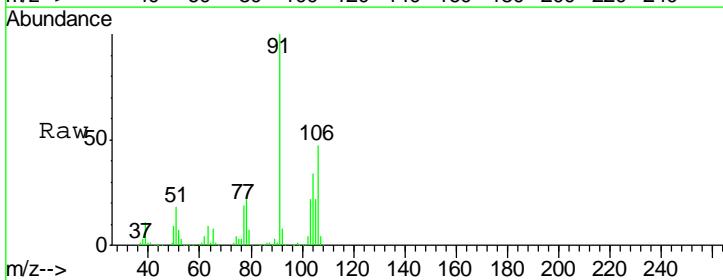
Tgt Ion	Resp	Lower	Upper
106	417015		
106	100		
91	204.2	166.5	249.7

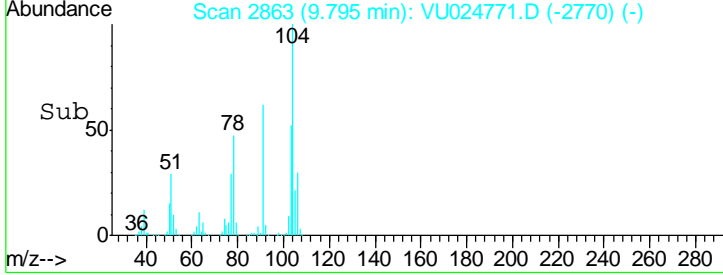
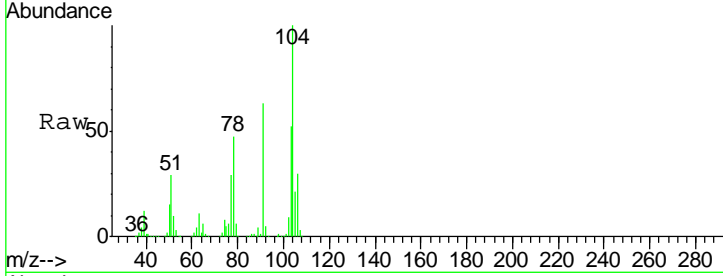
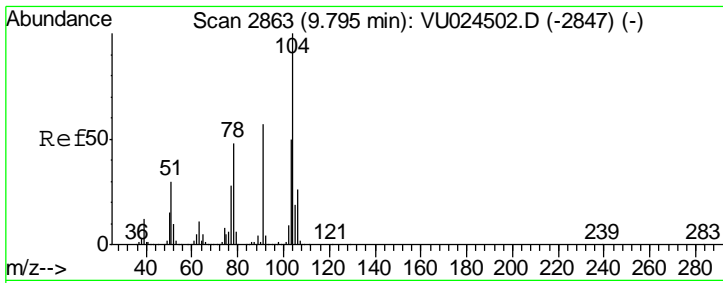
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#69
 o-Xylene
 Concen: 47.55 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
106	213284		
106	100		
91	212.9	110.7	331.9



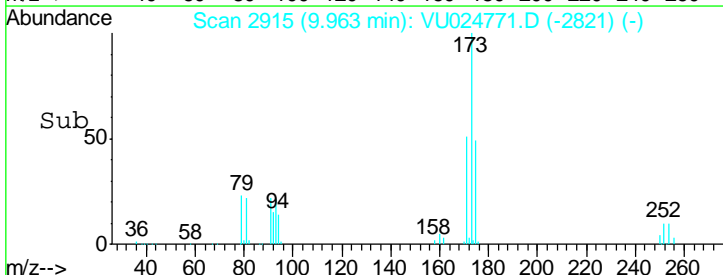
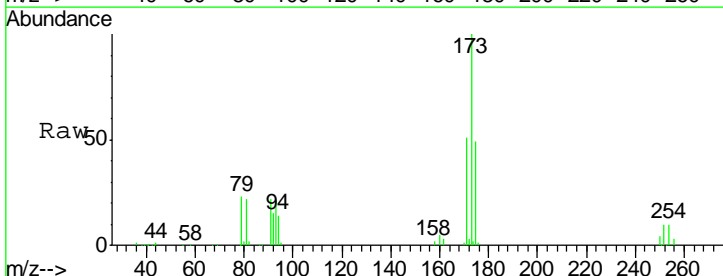
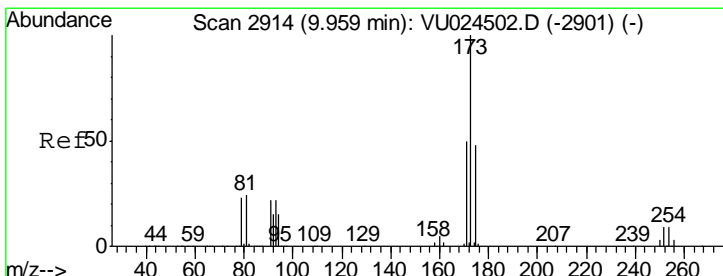
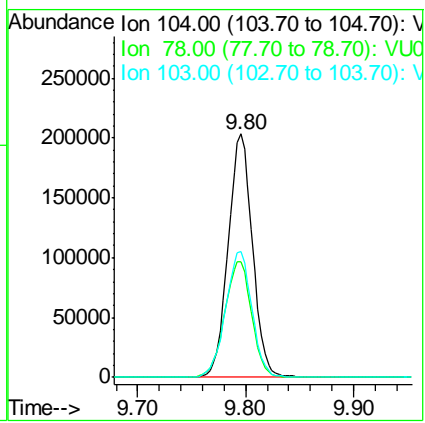


#70
 Styrene
 Concen: 43.34 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
104	319491		
78	52.5	40.6	60.8
103	55.8	44.7	67.1

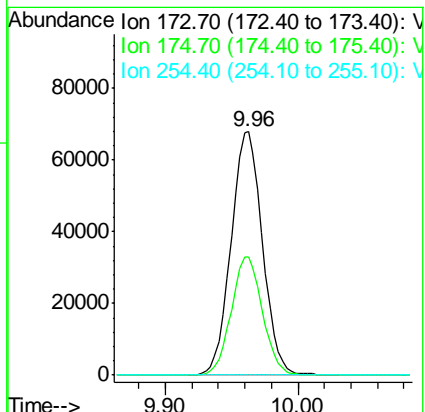
Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

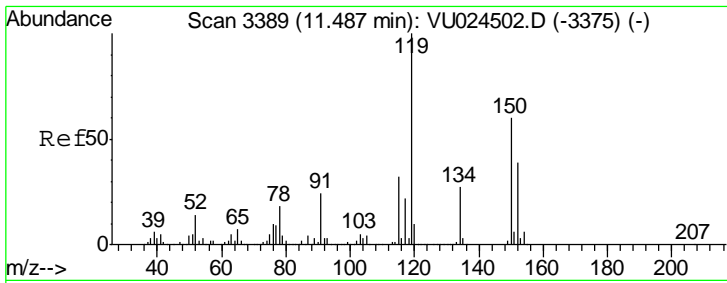
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#71
 Bromoform
 Concen: 45.78 ug/l
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
173	111298		
175	48.3	24.6	74.0
254	0.0	0.0	0.0





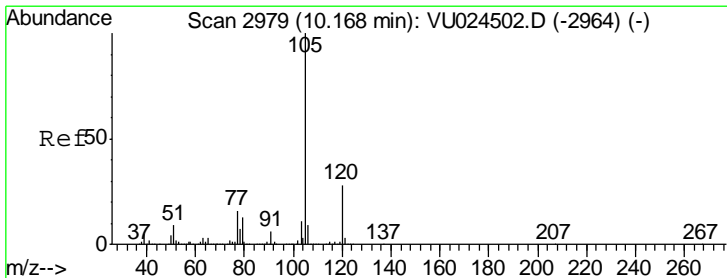
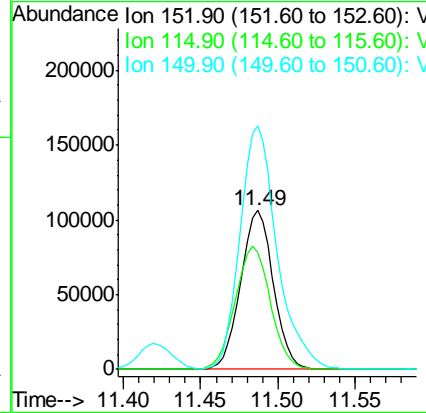
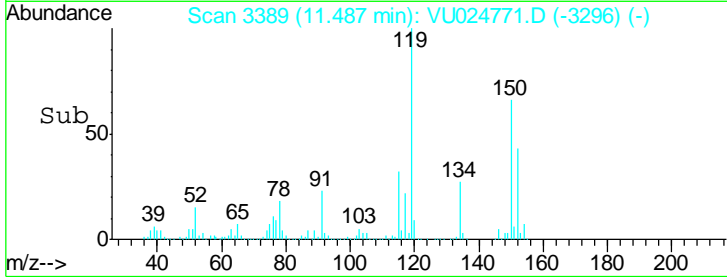
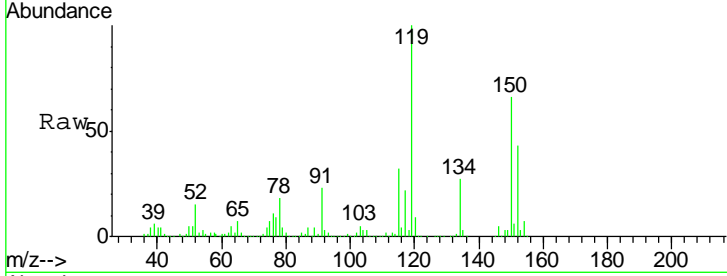
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

Tgt Ion	Resp	Lower	Upper
152	100		
115	83.4	43.0	129.0
150	174.2	0.0	354.0

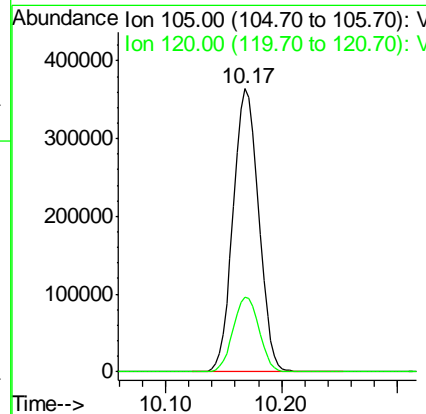
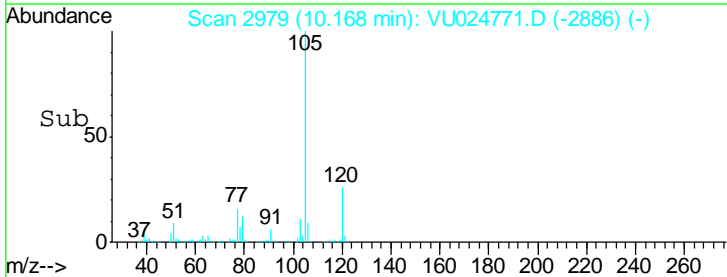
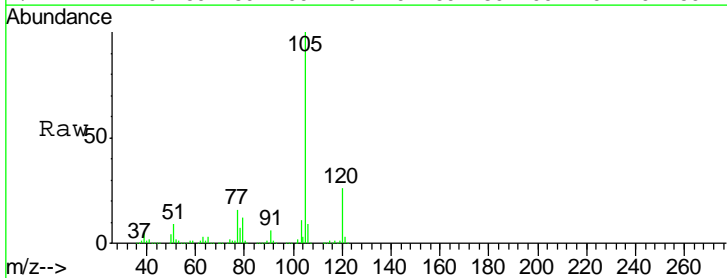
Manual Integrations
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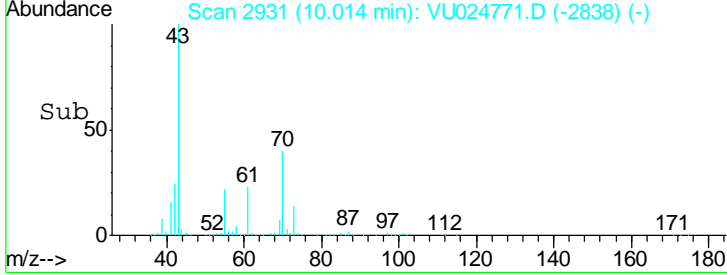
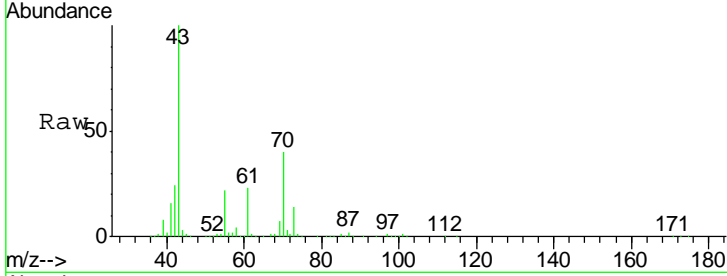
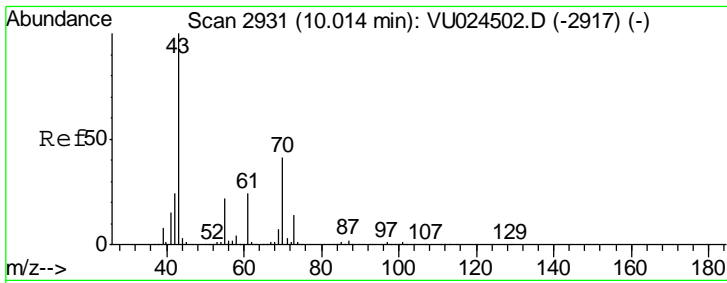
apatel
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#73
 Isopropylbenzene
 Concen: 46.36 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.9	13.2	39.6



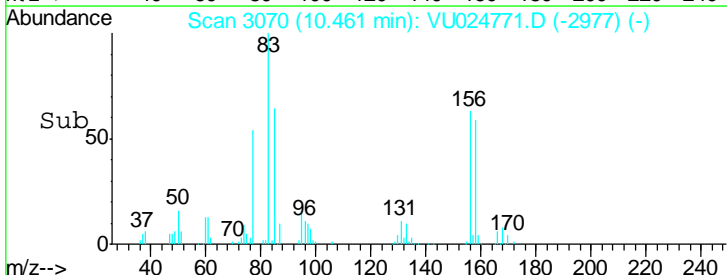
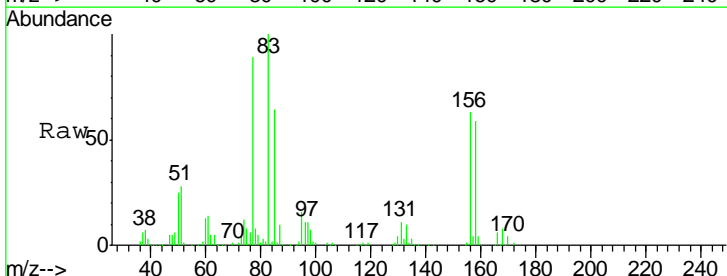
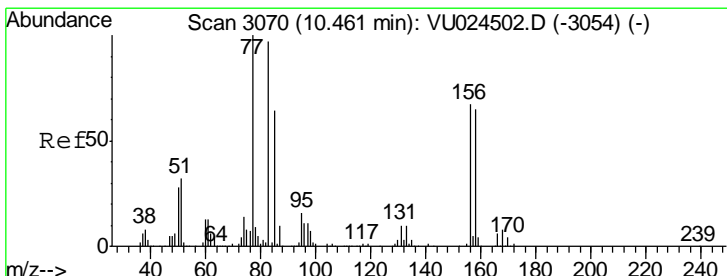
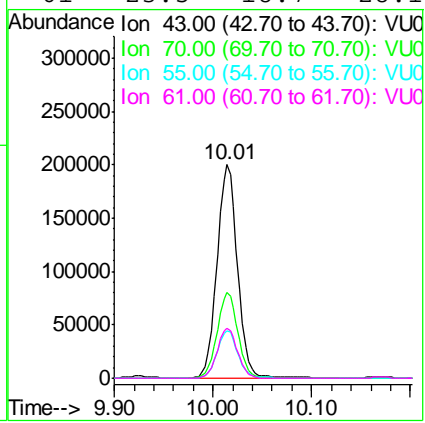


#74
 N-amyl acetate
 Concen: 51.13 ug/l
 RT: 10.01 min Scan# 2931
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
43	100		
70	40.5	32.2	48.4
55	22.5	20.5	30.7
61	23.5	18.7	28.1

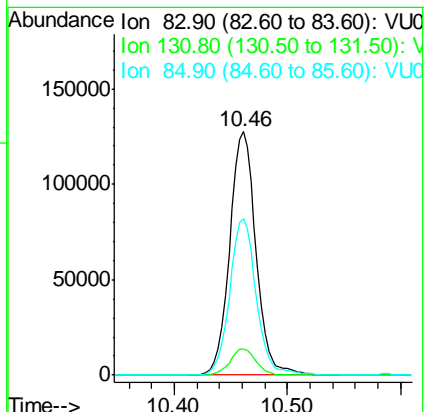
Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

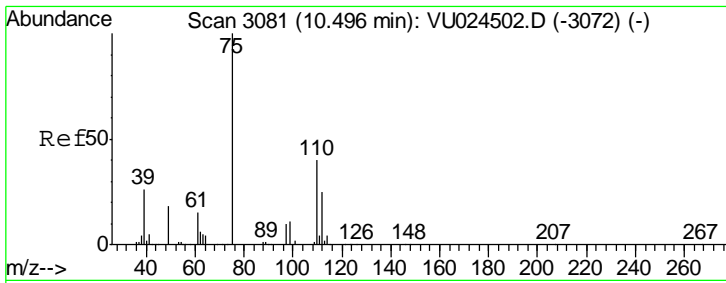
Manual Integrations
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#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.37 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.5	4.7	14.1
85	64.9	32.5	97.5



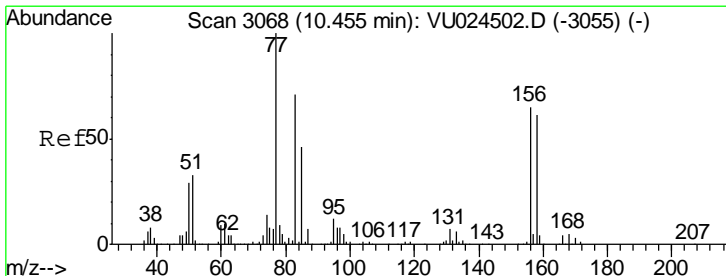
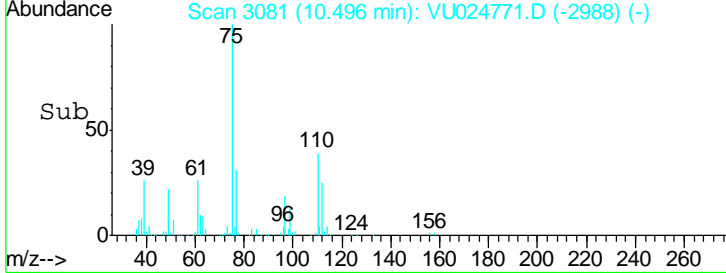
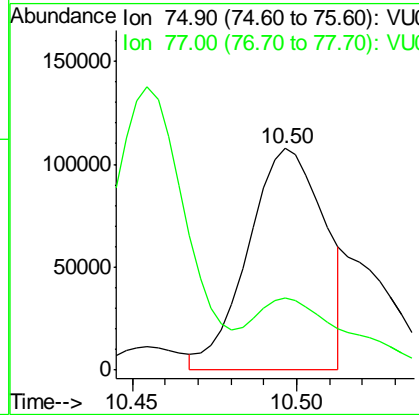
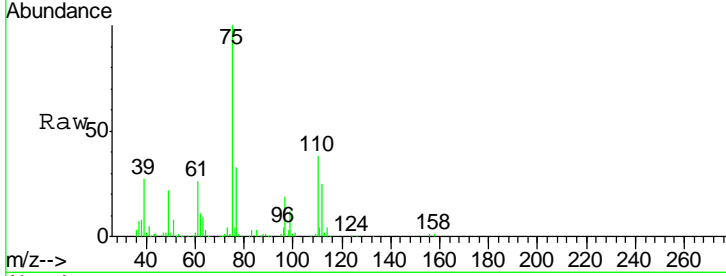


#76
 1,2,3-Trichloropropane
 Concen: 50.53 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

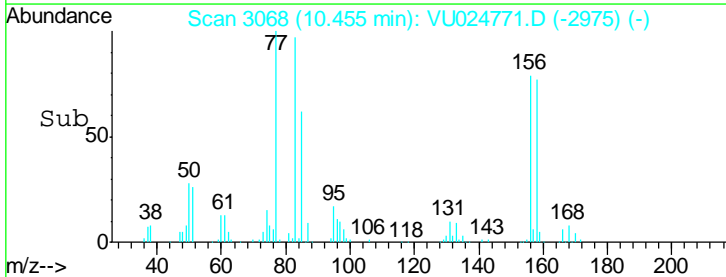
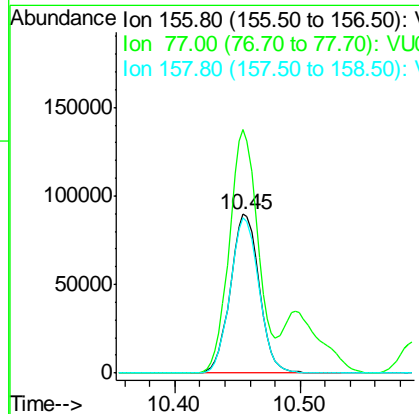
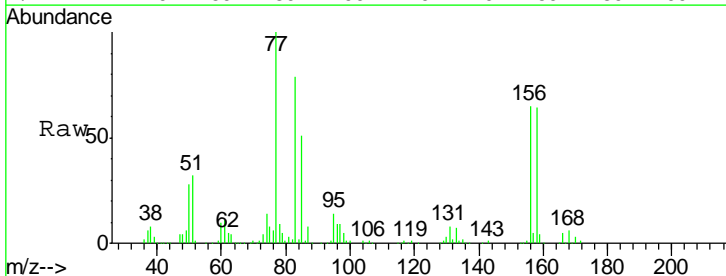
Tgt Ion	Resp	Lower	Upper
75	173151		
75	100		
77	42.3	20.9	62.7

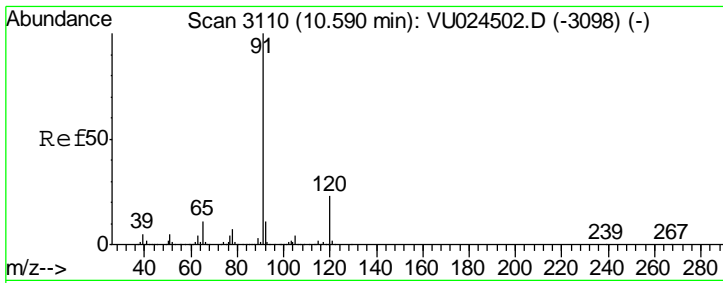
Manual Integrations
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#77
 Bromobenzene
 Concen: 47.40 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
156	143399		
156	100		
77	152.1	80.5	241.3
158	97.1	48.2	144.6



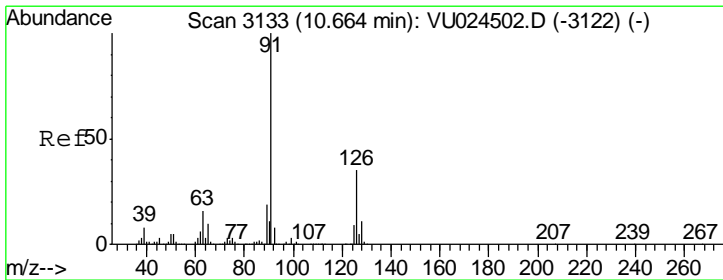
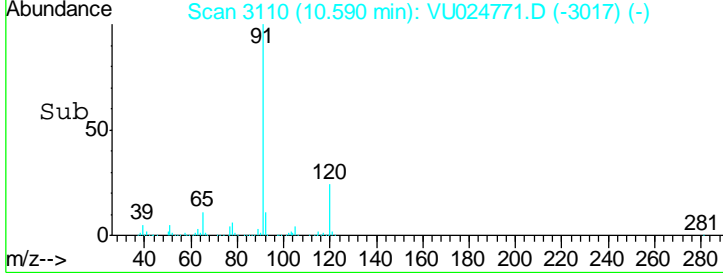
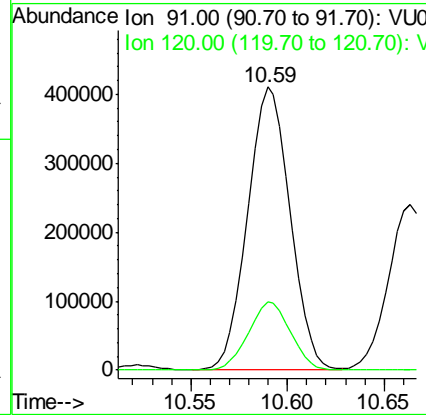
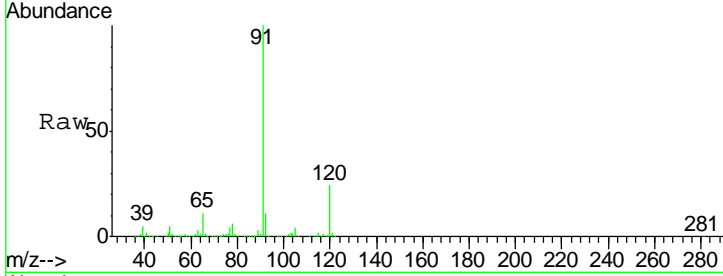


#78
 n-propylbenzene
 Concen: 44.48 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

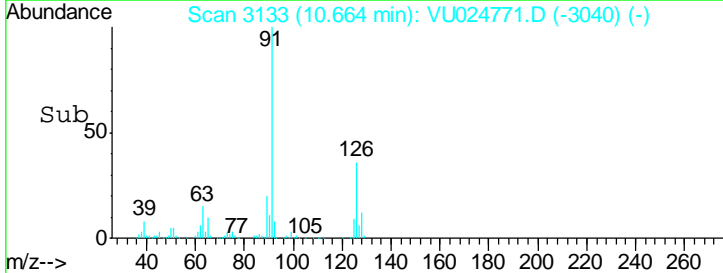
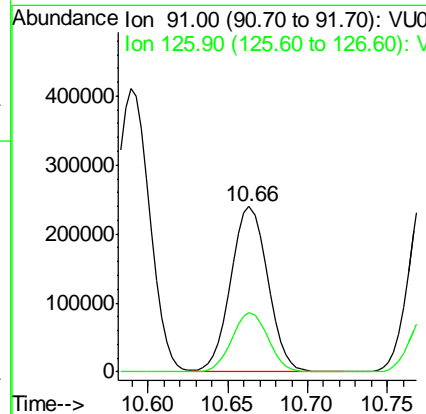
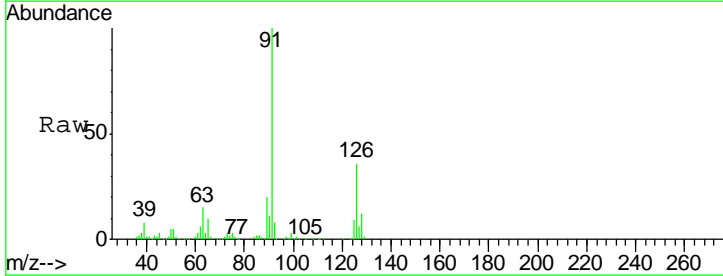
Tgt Ion	Resp	Lower	Upper
91	100		
120	24.0	11.2	33.5

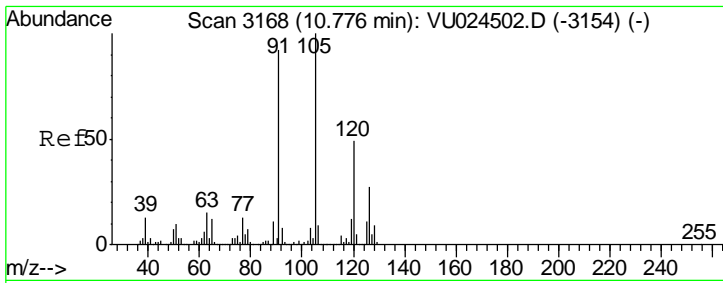
Manual Integrations
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#79
 2-Chlorotoluene
 Concen: 45.22 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.5	16.9	50.7



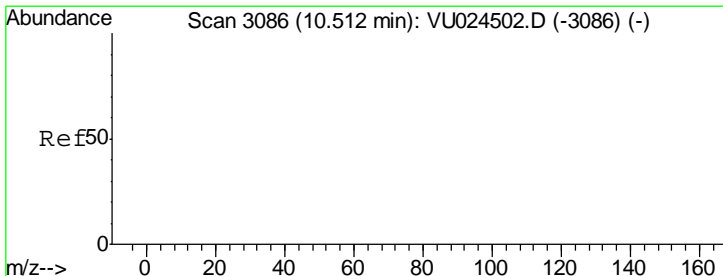
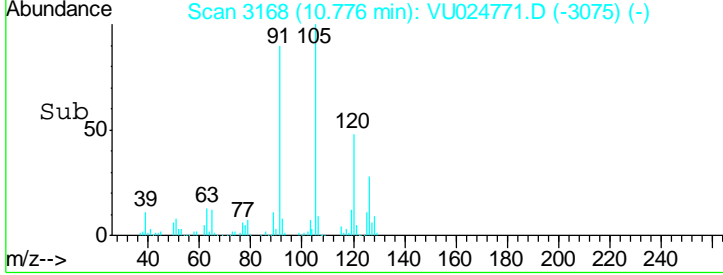
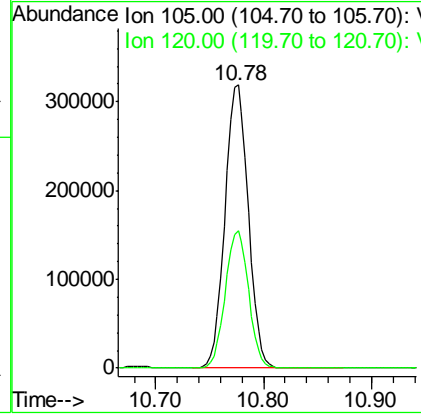
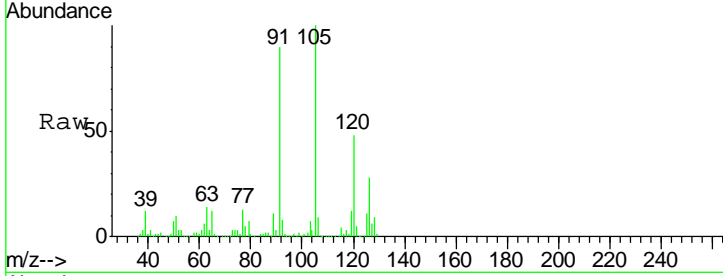


#80
 1,3,5-Trimethylbenzene
 Concen: 46.26 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

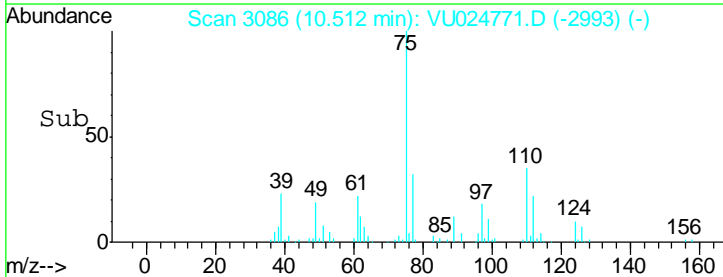
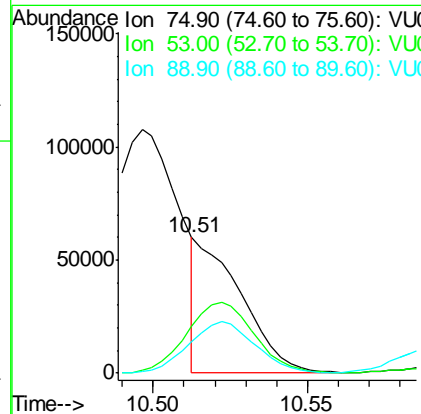
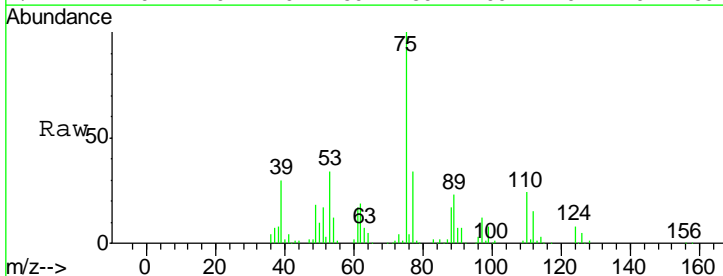
Tgt Ion	Resp	Lower	Upper
105	479140		
105	100		
120	48.6	24.1	72.2

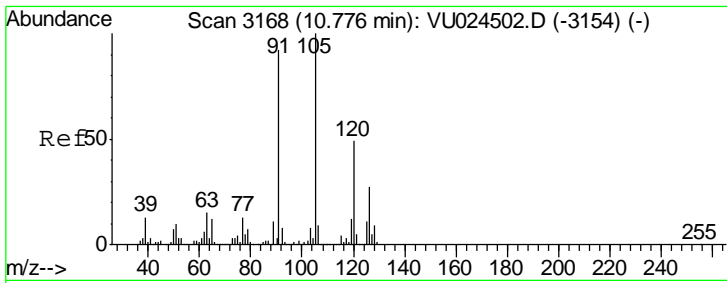
Manual Integrations
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.15 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
75	59454		
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0





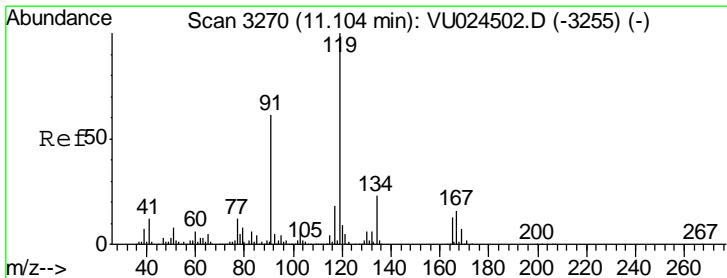
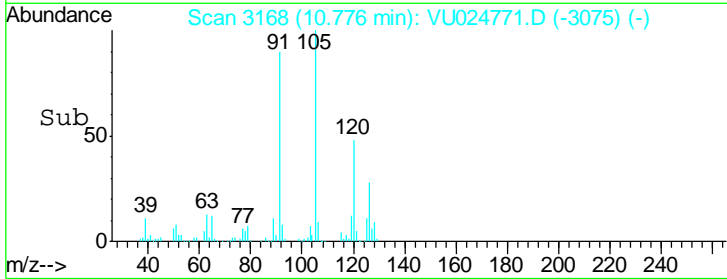
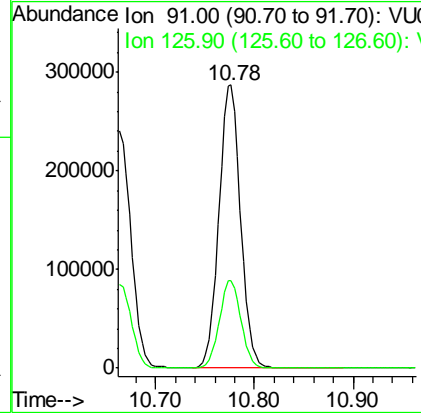
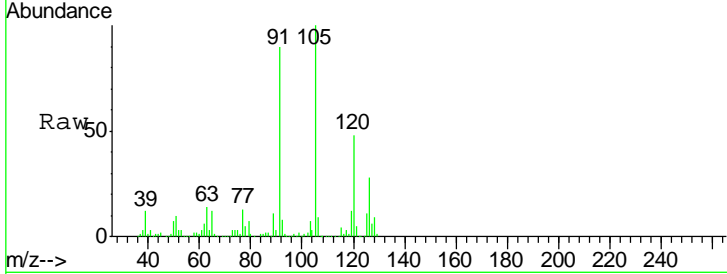
#82
 4-Chlorotoluene
 Concen: 45.50 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

Tgt Ion	Resp	Lower	Upper
91	100		
126	31.0	14.9	44.9

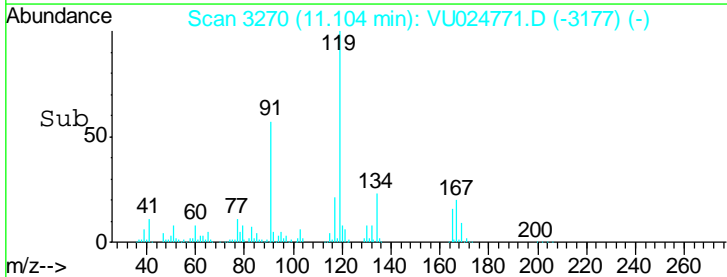
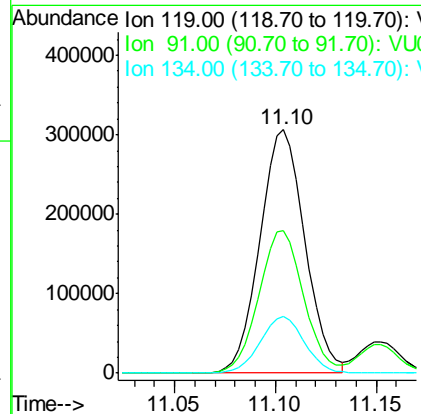
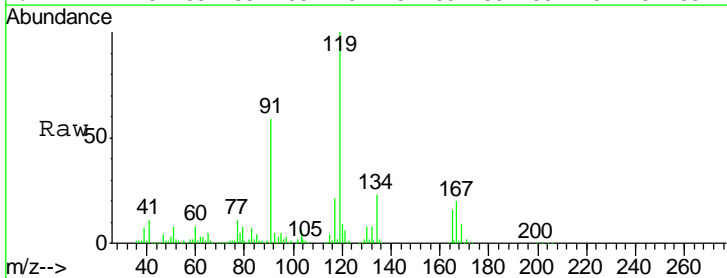
Manual Integrations
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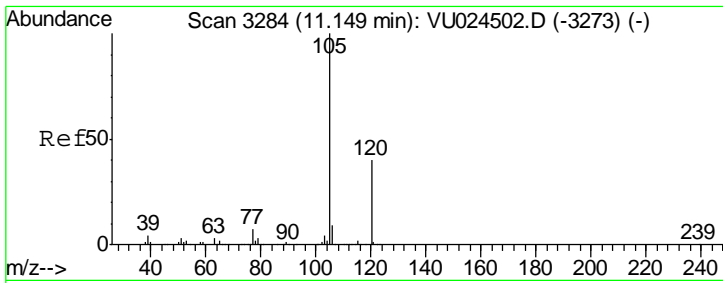
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#83
 tert-Butylbenzene
 Concen: 47.81 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
119	100		
91	58.4	29.7	89.1
134	23.0	11.6	34.7





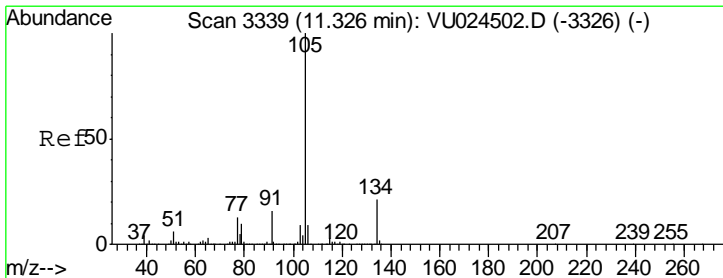
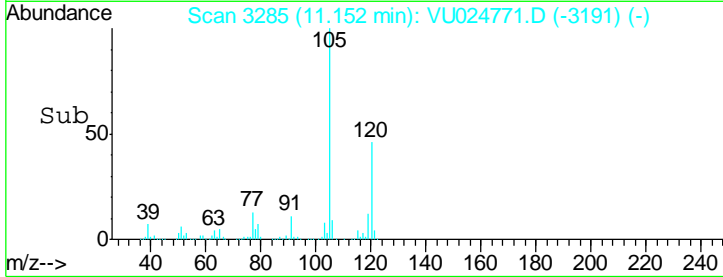
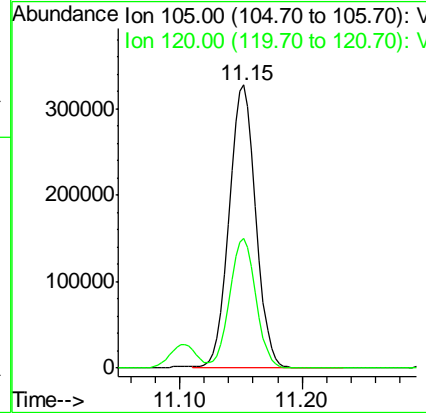
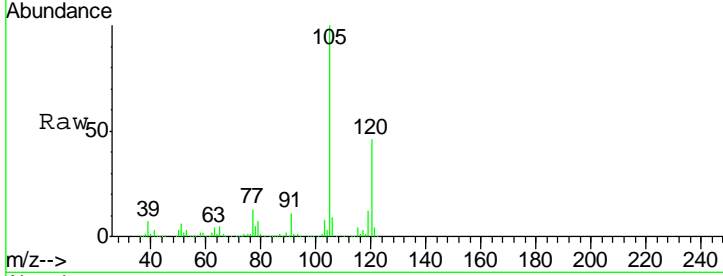
#84
 1,2,4-Trimethylbenzene
 Concen: 47.56 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

Tgt Ion	Resp	Lower	Upper
105	100		
120	45.2	22.6	67.8

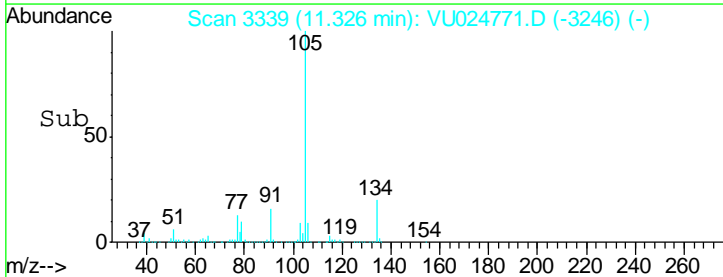
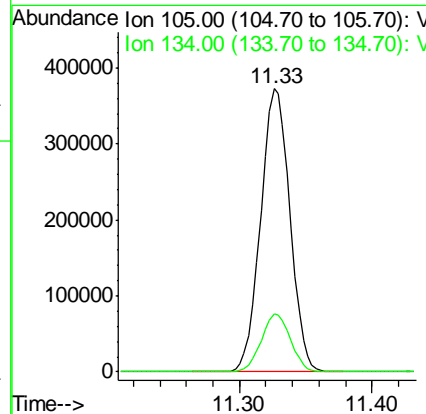
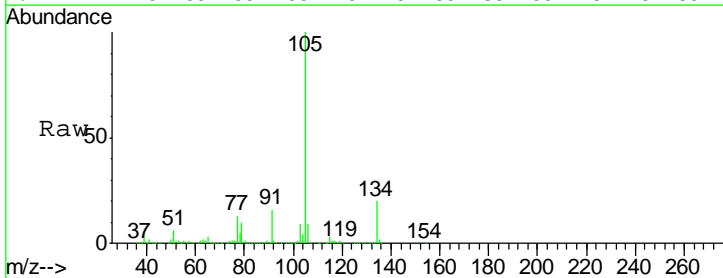
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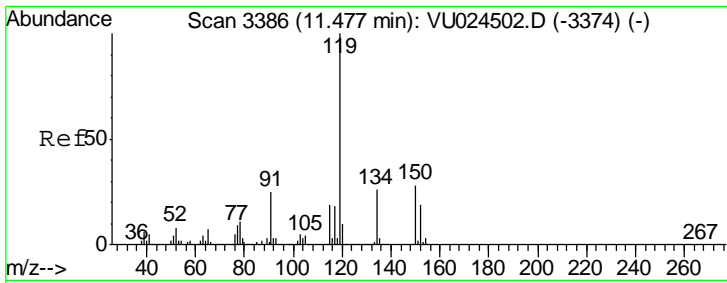
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#85
 sec-Butylbenzene
 Concen: 45.71 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.5	9.7	29.1





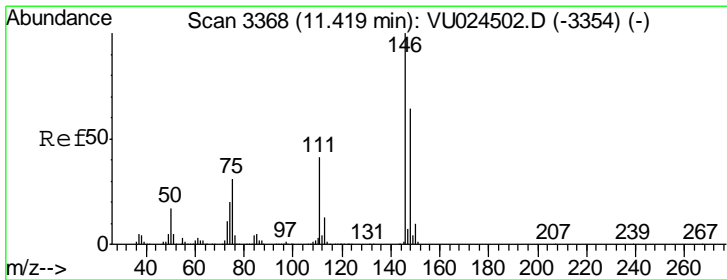
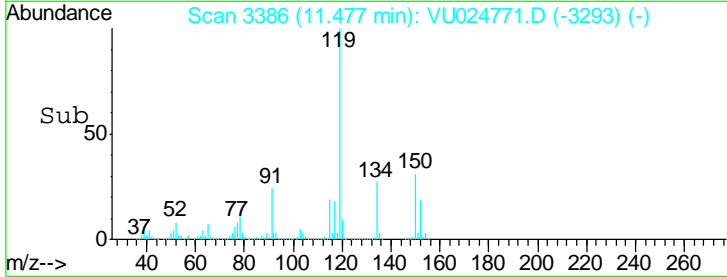
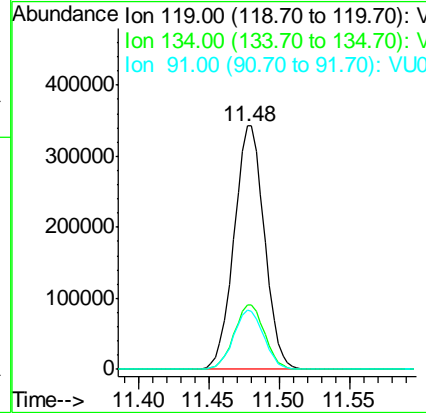
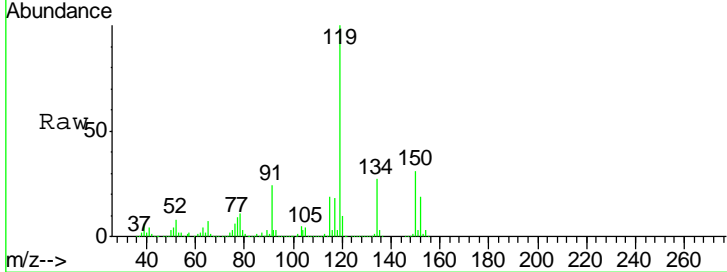
#86
 p-Isopropyltoluene
 Concen: 46.10 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

Tgt Ion	Resp	Lower	Upper
119	514978		
134	26.6	12.9	38.6
91	24.4	12.0	36.1

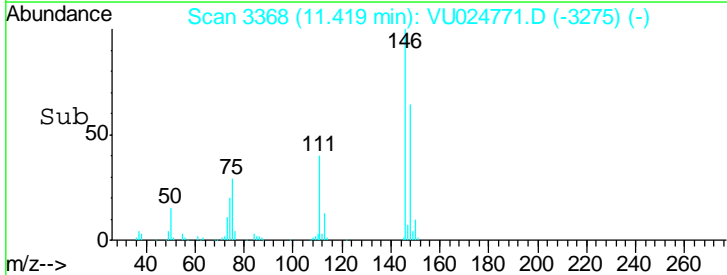
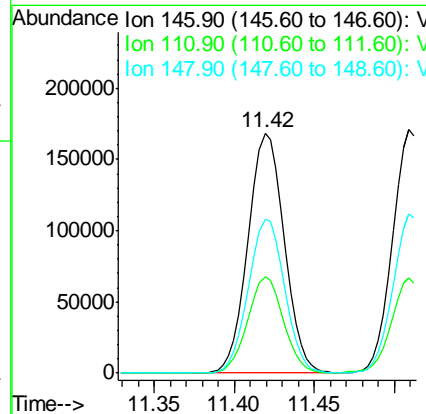
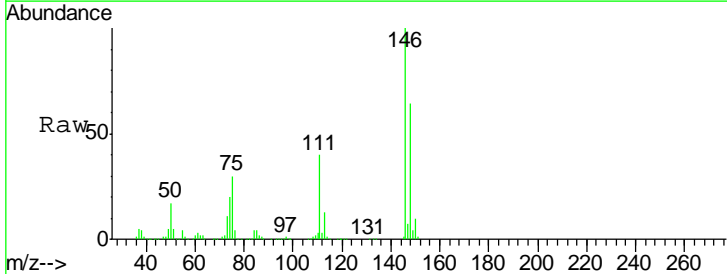
Manual Integrations
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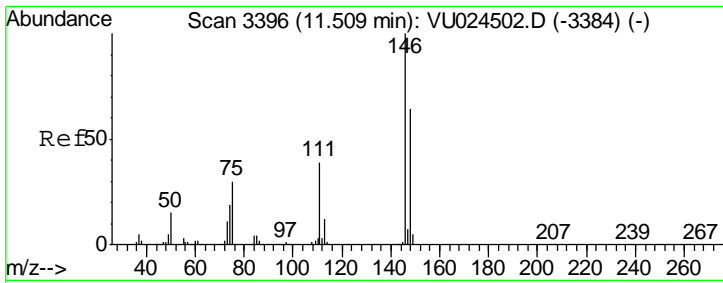
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#87
 1,3-Dichlorobenzene
 Concen: 46.45 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

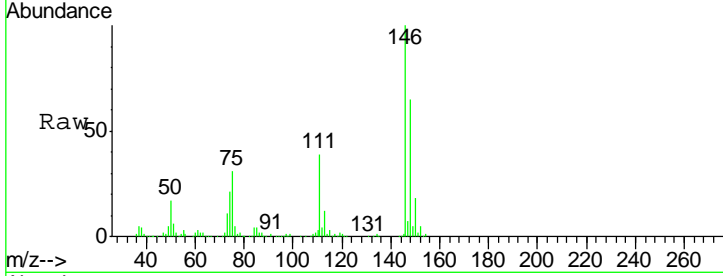
Tgt Ion	Resp	Lower	Upper
146	259655		
111	39.6	20.0	60.0
148	64.2	32.1	96.5





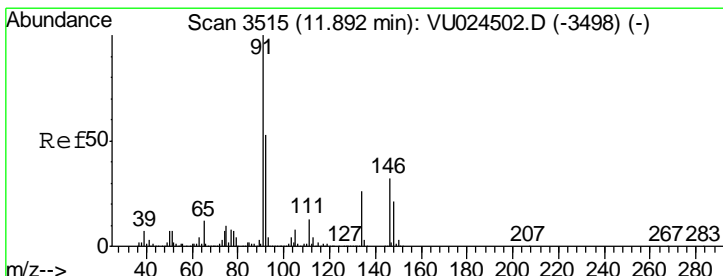
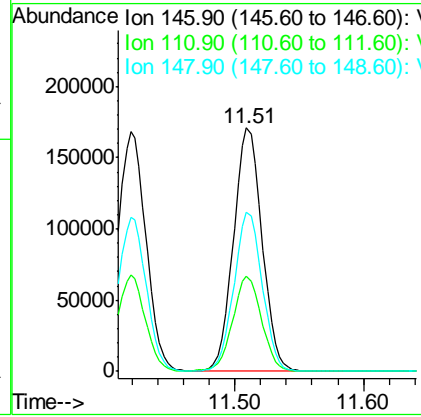
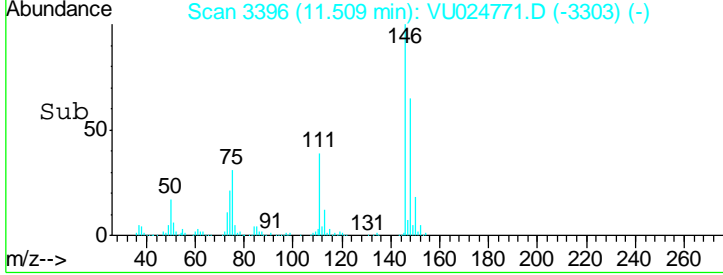
#88
 1,4-Dichlorobenzene
 Concen: 46.53 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

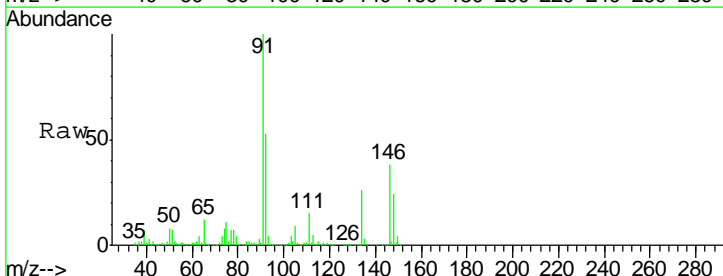


Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.5	58.5
148	64.8	32.4	97.0

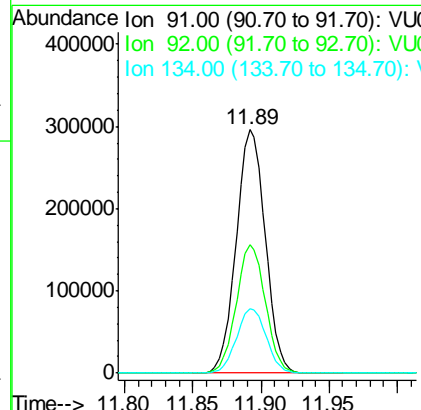
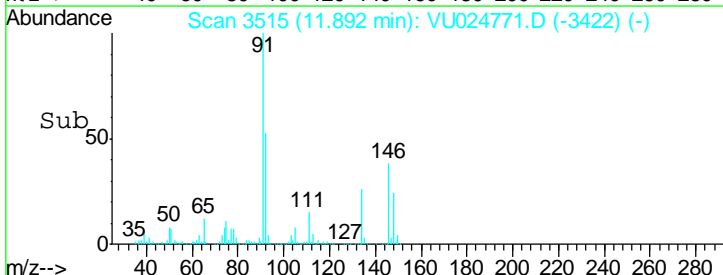
Manual Integrations
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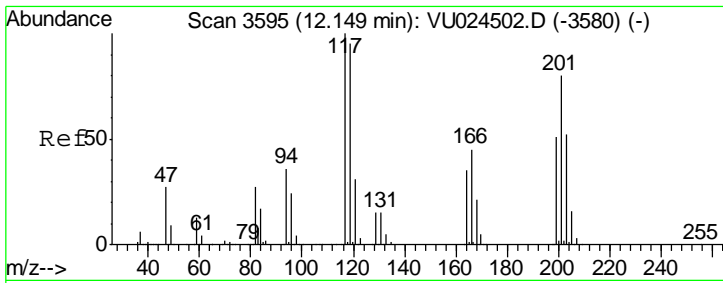


#89
 n-Butylbenzene
 Concen: 44.12 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46



Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	25.6	76.8
134	27.1	12.3	36.8



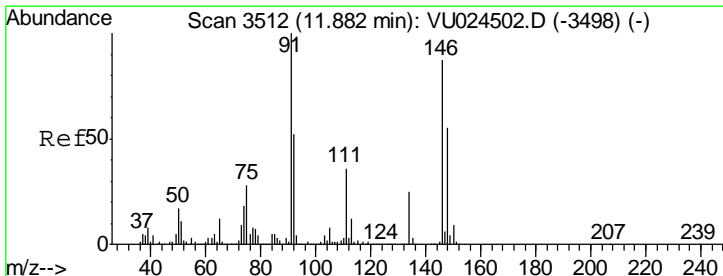
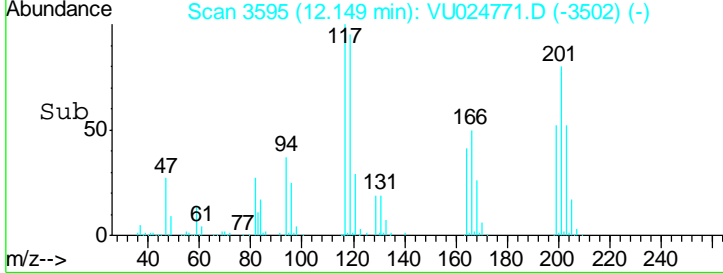
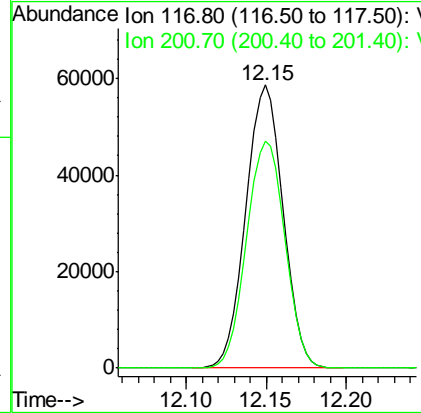
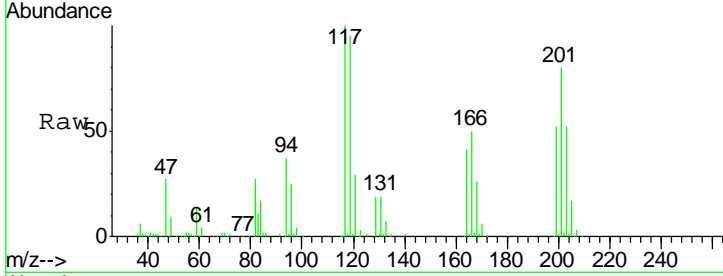


#90
 Hexachloroethane
 Concen: 42.73 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : TPTW-04MS

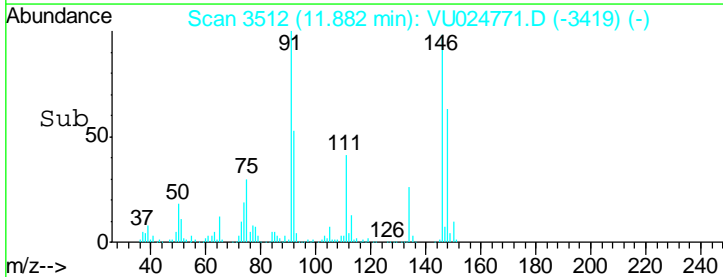
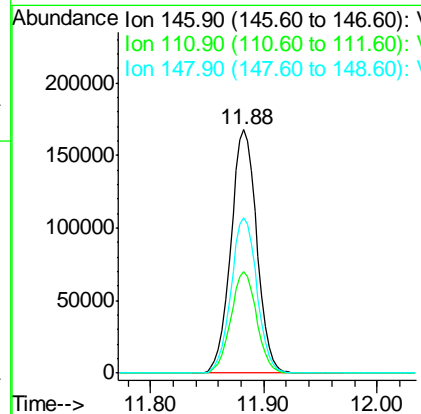
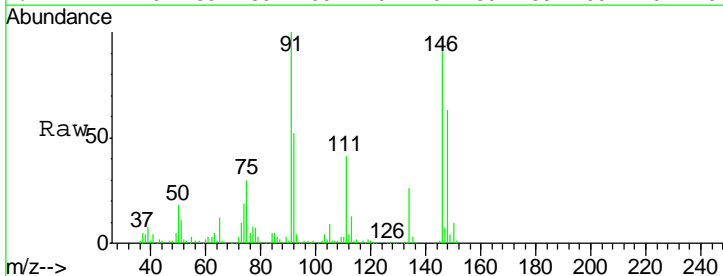
Tgt Ion	Resp	Lower	Upper
117	93109		
117	100		
201	82.9	41.1	123.3

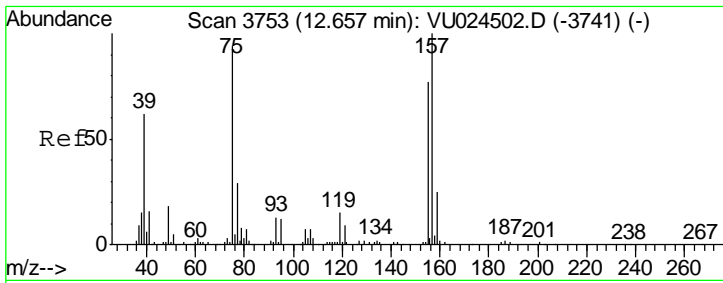
Manual Integrations
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#91
 1,2-Dichlorobenzene
 Concen: 47.62 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Resp	Lower	Upper
146	266623		
146	100		
111	41.5	20.5	61.6
148	64.0	31.9	95.7



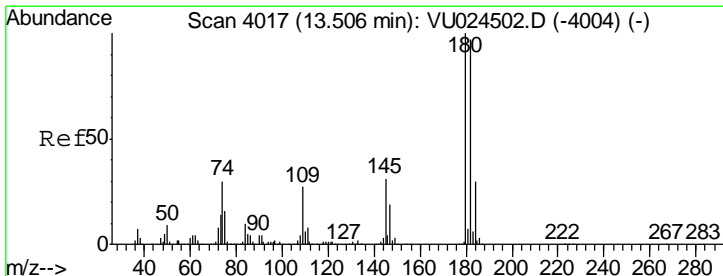
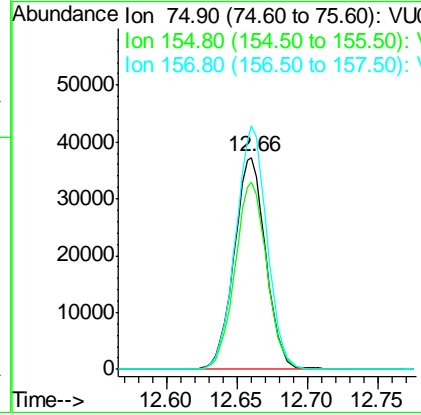
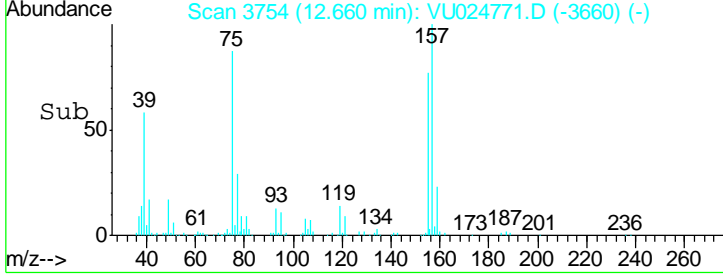
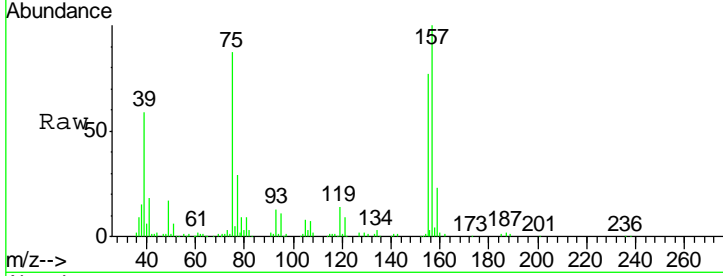


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.86 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 Client Sampled : VU024771.D
 TPTW-04MS

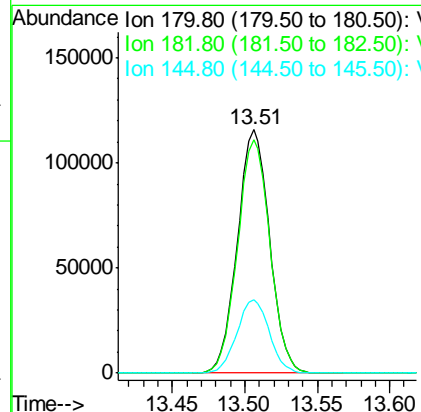
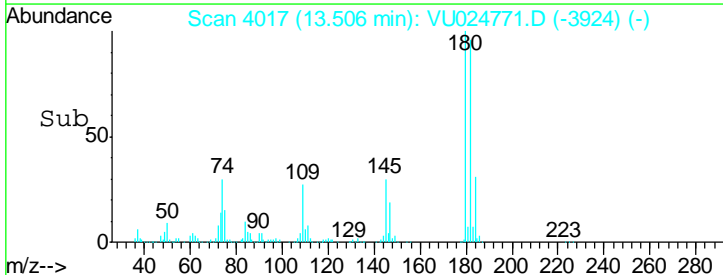
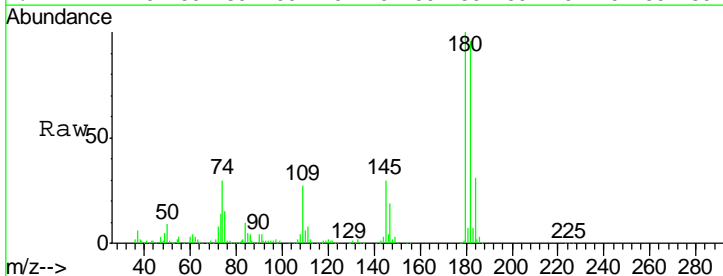
Tgt Ion	Resp	Lower	Upper
75	58412		
75	100		
155	88.6	40.4	121.2
157	113.2	52.3	156.8

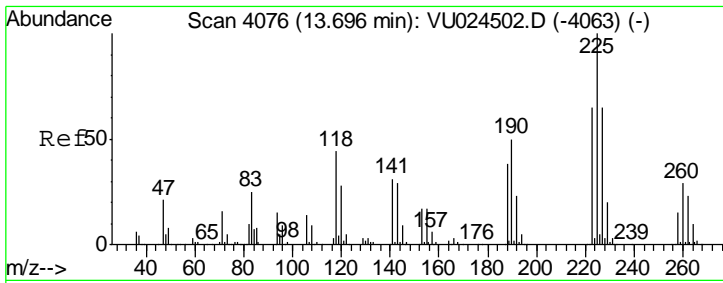
Manual Integrations
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#93
 1,2,4-Trichlorobenzene
 Concen: 51.64 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

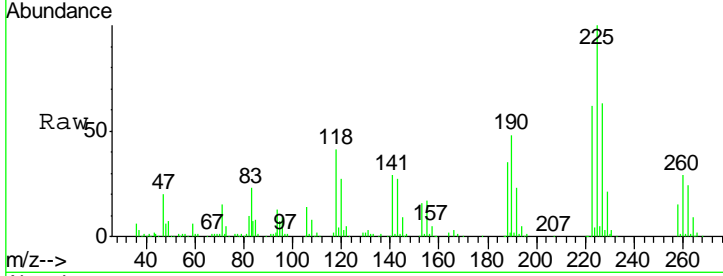
Tgt Ion	Resp	Lower	Upper
180	178550		
180	100		
182	96.3	48.0	144.2
145	30.3	14.7	44.1





#94
 Hexachlorobutadiene
 Concen: 45.92 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

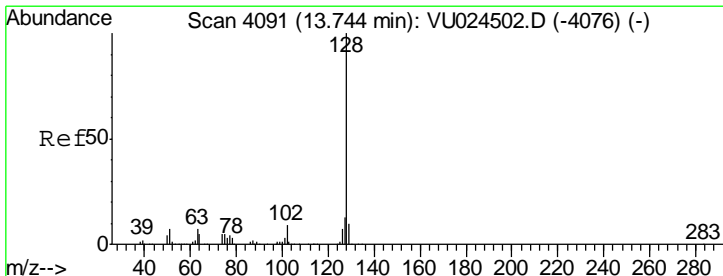
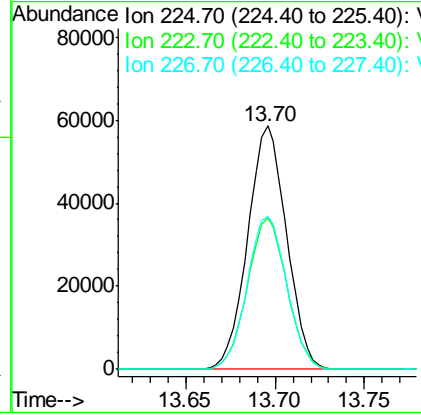
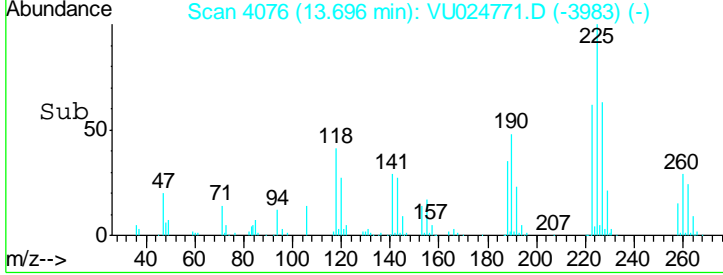
Instrument : MSVOA_U
 Client Sampled : TPTW-04MS



Tgt Ion: 225 Resp: 89367

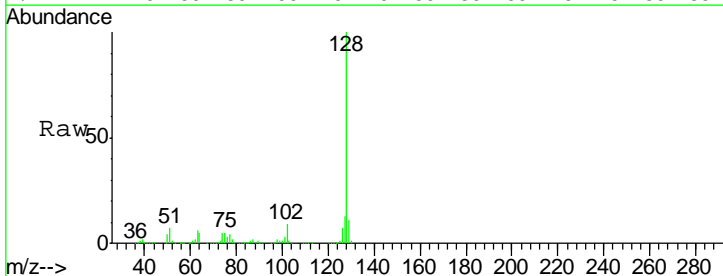
Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.8
227	64.0	31.8	95.4

Manual Integrations
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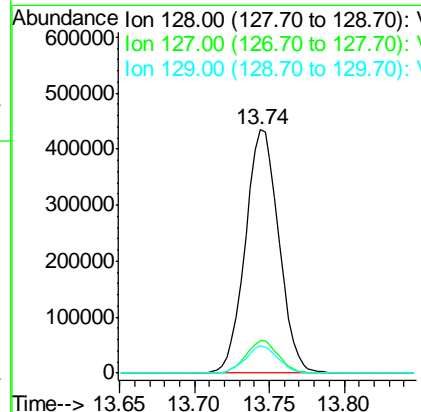
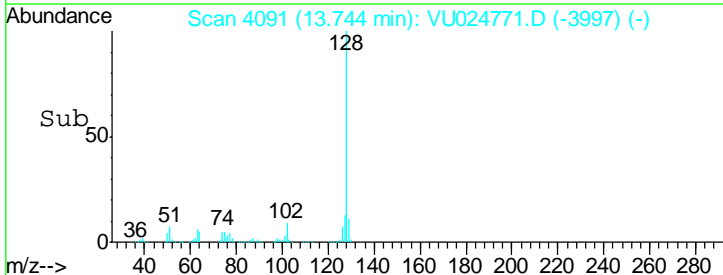
#95
 Naphthalene
 Concen: 59.11 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

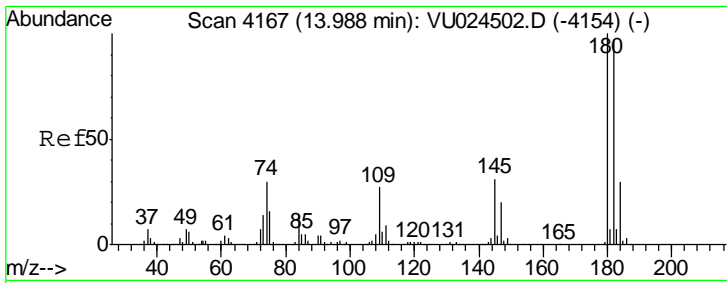
Instrument : MSVOA_U
 Client Sampled : TPTW-04MS



Tgt Ion: 128 Resp: 677931

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.6	12.8





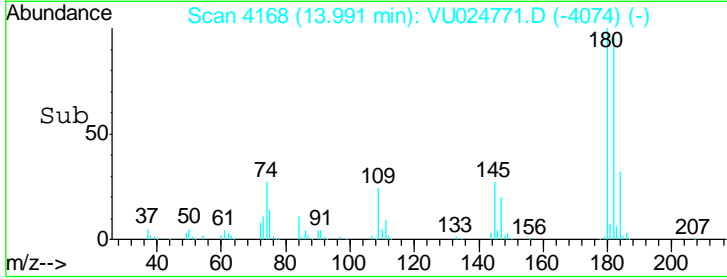
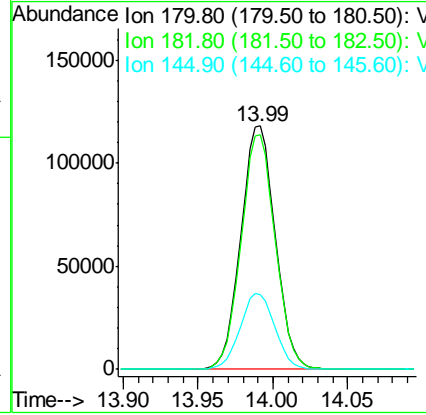
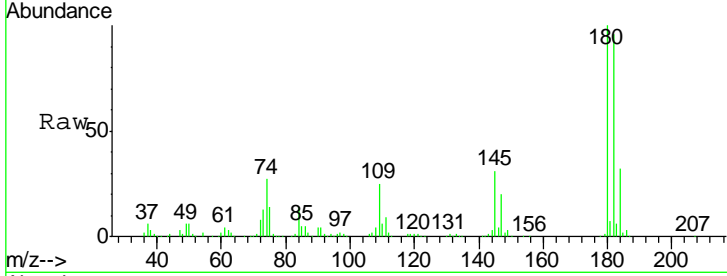
#96
 1,2,3-Trichlorobenzene
 Concen: 54.81 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument : MSVOA_U
 ClientSampled : TPTW-04MS

Tot Ion	Resp	Lower	Upper
180	188835		
180	100		
182	95.8	47.9	143.7
145	31.5	15.4	46.1

Manual Integrations
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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/14/18
Project:	Andrew St. RI	Date Received:	06/14/18
Client Sample ID:	TPTW-04MSD	SDG No.:	J3577
Lab Sample ID:	J3529-10MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024772.D	1		06/20/18 21:10	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	42.6		0.2	0.2	1	ug/L
74-87-3	Chloromethane	47.2		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	48.4		0.2	0.2	1	ug/L
74-83-9	Bromomethane	52.2		0.2	0.2	1	ug/L
75-00-3	Chloroethane	54.2		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	45.5		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	42.2		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	46.6		0.2	0.2	1	ug/L
67-64-1	Acetone	310		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	44.1		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	52.2		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	55.1		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	45.5		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	44.3		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	47.2		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	45		0.2	0.2	1	ug/L
78-93-3	2-Butanone	280		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	47.8		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	48.3		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	48.2		0.2	0.5	1	ug/L
67-66-3	Chloroform	48.7		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	46.5		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	40.7		0.2	0.2	1	ug/L
71-43-2	Benzene	59.9		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	50.7		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	45.7		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	50.1		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	48.6		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	290		1	1	5	ug/L
108-88-3	Toluene	49.5		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	47.6		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	46.6		0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/14/18
Project:	Andrew St. RI	Date Received:	06/14/18
Client Sample ID:	TPTW-04MSD	SDG No.:	J3577
Lab Sample ID:	J3529-10MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024772.D	1		06/20/18 21:10	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	50.9		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	280		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	47.7		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	50.7		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	41.3		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	48.1		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	47.5		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	96.9		0.4	0.4	2	ug/L
95-47-6	o-Xylene	49		0.2	0.2	1	ug/L
100-42-5	Styrene	46.2		0.2	0.2	1	ug/L
75-25-2	Bromoform	47.6		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	47.5		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	53		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	47.9		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	47.9		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	48.9		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	56.2		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	54.1		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	57		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.4		61 - 141		93%	SPK: 50
1868-53-7	Dibromofluoromethane	48		69 - 133		96%	SPK: 50
2037-26-5	Toluene-d8	46.4		65 - 126		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		58 - 135		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	172231	4.99				
540-36-3	1,4-Difluorobenzene	266984	5.89				
3114-55-4	Chlorobenzene-d5	255679	9.09				
3855-82-1	1,4-Dichlorobenzene-d4	153491	11.49				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	06/14/18
Project:	Andrew St. RI	Date Received:	06/14/18
Client Sample ID:	TPTW-04MSD	SDG No.:	J3577
Lab Sample ID:	J3529-10MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU024772.D	1		06/20/18 21:10	VU062018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024772.D
 Acq On : 20 Jun 2018 21:10
 Operator : MD/SY
 Sample : J3529-10MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 TPTW-04MSD

Manual Integrations
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Quant Time: Jun 21 08:21:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	172231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	266984	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	255679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153491	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	130429	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
35) Dibromofluoromethane	4.89	113	106458	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	7.57	98	374776	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
62) 4-Bromofluorobenzene	10.31	95	147353	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	91748	42.56	ug/l	99
3) Chloromethane	1.33	50	103869	47.16	ug/l	99
4) Vinyl Chloride	1.40	62	109853	48.36	ug/l	99
5) Bromomethane	1.62	94	57319	52.20	ug/l	100
6) Chloroethane	1.69	64	68732	54.24	ug/l	99
7) Trichlorofluoromethane	1.89	101	157702	45.50	ug/l	100
8) Diethyl Ether	2.10	74	65668	55.89	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	90746	42.20	ug/l	96
10) Methyl Iodide	2.41	142	97665	53.28	ug/l	98
11) Tert butyl alcohol	2.82	59	190733	278.92	ug/l	99
12) 1,1-Dichloroethene	2.28	96	91316	46.56	ug/l	92
13) Acrolein	2.19	56	68335	190.30	ug/l	98
14) Allyl chloride	2.59	41	149963	41.18	ug/l	94
15) Acrylonitrile	2.93	53	337897	253.97	ug/l	99
16) Acetone	2.32	43	472252	312.60	ug/l	99
17) Carbon Disulfide	2.48	76	276620	44.05	ug/l	98
18) Methyl Acetate	2.61	43	178441	55.10	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	384501	52.16	ug/l	98
20) Methylene Chloride	2.70	84	107746	45.45	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	95718	44.31	ug/l	95
22) Diisopropyl ether	3.57	45	349394	48.40	ug/l	95
23) Vinyl Acetate	3.53	43	1595892	246.81	ug/l	100
24) 1,1-Dichloroethane	3.45	63	196149	47.24	ug/l	98
25) 2-Butanone	4.26	43	558254	275.10	ug/l	98
26) 2,2-Dichloropropane	4.23	77	161445	40.95	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	119874	48.27	ug/l	96
28) Bromochloromethane	4.55	49	88183	48.21	ug/l	88
29) Tetrahydrofuran	4.63	42	354064	281.75	ug/l	96
30) Chloroform	4.68	83	204878	48.75	ug/l	97
31) Cyclohexane	5.00	56	166550	44.97	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	180656	46.48	ug/l	97
36) 1,1-Dichloropropene	5.14	75	140156	44.67	ug/l	97
37) Ethyl Acetate	4.38	43	192702	56.36	ug/l	97
38) Carbon Tetrachloride	5.14	117	164781	47.76	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024772.D
 Acq On : 20 Jun 2018 21:10
 Operator : MD/SY
 Sample : J3529-10MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MSD

Manual Integrations
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Quant Time: Jun 21 08:21:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	159532	40.75	ug/l	95
40) Benzene	5.39	78	535900	59.95	ug/l	100
41) Methacrylonitrile	4.54	41	102757	55.74	ug/l	97
42) 1,2-Dichloroethane	5.41	62	172580	50.69	ug/l	100
43) Isopropyl Acetate	5.55	43	303080	51.28	ug/l	98
44) Trichloroethene	6.19	130	116349	45.73	ug/l	96
45) 1,2-Dichloropropane	6.44	63	119545	50.12	ug/l	99
46) Dibromomethane	6.56	93	84631	50.51	ug/l	96
47) Bromodichloromethane	6.76	83	162289	48.64	ug/l	99
48) Methyl methacrylate	6.62	41	145384	50.51	ug/l	99
49) 1,4-Dioxane	6.61	88	74728	1327.67	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	1060765	285.66	ug/l	99
52) Toluene	7.64	92	284817	49.52	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	178338	47.60	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	185997	46.59	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	118902	50.86	ug/l	97
56) Ethyl methacrylate	8.02	69	193486	49.45	ug/l	99
57) 1,3-Dichloropropane	8.25	76	200497	50.84	ug/l	99
59) 2-Hexanone	8.36	43	847957	279.71	ug/l	99
60) Dibromochloromethane	8.48	129	139157	47.73	ug/l	100
61) 1,2-Dibromoethane	8.59	107	131859	50.67	ug/l	98
64) Tetrachloroethene	8.23	164	100322	41.28	ug/l	98
65) Chlorobenzene	9.12	112	314458	48.14	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	121755	49.06	ug/l	98
67) Ethyl Benzene	9.25	91	543973	47.51	ug/l	98
68) m/p-Xylenes	9.38	106	426133	96.91	ug/l	96
69) o-Xylene	9.78	106	213164	48.99	ug/l	96
70) Styrene	9.80	104	330254	46.18	ug/l	100
71) Bromoform	9.96	173	112304	47.61	ug/l #	100
73) Isopropylbenzene	10.17	105	559448	47.47	ug/l	99
74) N-amyl acetate	10.01	43	292683	52.22	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	209132	52.96	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	186045m	55.05	ug/l	
77) Bromobenzene	10.46	156	143871	48.22	ug/l	96
78) n-propylbenzene	10.59	91	633558	45.64	ug/l	97
79) 2-Chlorotoluene	10.66	91	380855	46.52	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	481496	47.14	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	63889m	43.76	ug/l	
82) 4-Chlorotoluene	10.78	91	442576	46.45	ug/l	98
83) tert-Butylbenzene	11.10	119	482490	49.11	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	503095	48.33	ug/l	99
85) sec-Butylbenzene	11.33	105	576880	46.91	ug/l	98
86) p-Isopropyltoluene	11.48	119	516181	46.86	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	264026	47.90	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	265805	47.91	ug/l	100
89) n-Butylbenzene	11.89	91	438465	44.84	ug/l	97
90) Hexachloroethane	12.15	117	90937	42.32	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	269915	48.89	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	61257	56.22	ug/l	92
93) 1,2,4-Trichlorobenzene	13.51	180	184476	54.11	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024772.D
 Acq On : 20 Jun 2018 21:10
 Operator : MD/SY
 Sample : J3529-10MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MSD

Manual Integrations
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Quant Time: Jun 21 08:21:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	91090	47.47	ug/l	99
95) Naphthalene	13.74	128	711206	62.84	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	193597	56.99	ug/l	99

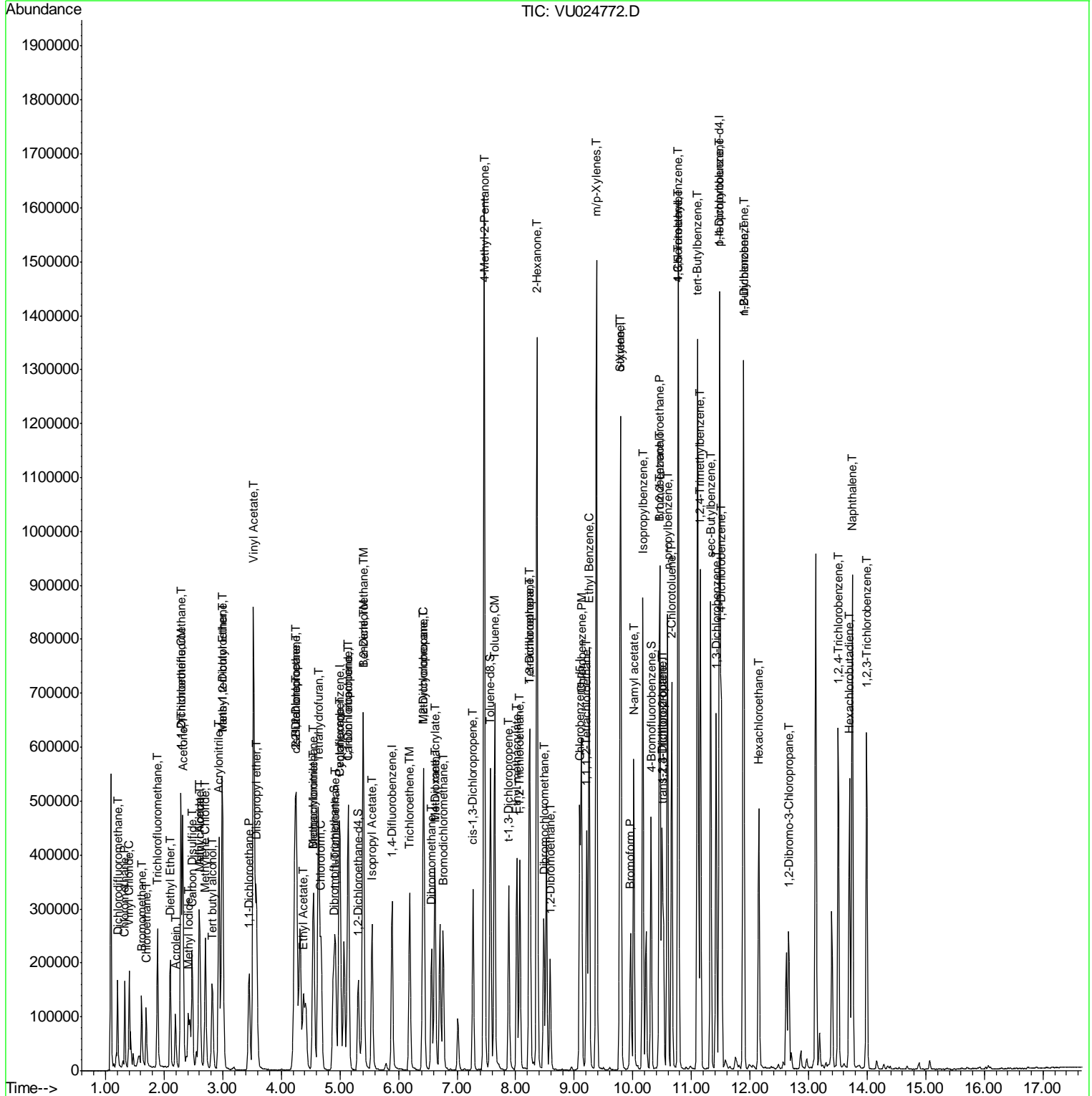
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024772.D
 Acq On : 20 Jun 2018 21:10
 Operator : MD/SY
 Sample : J3529-10MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

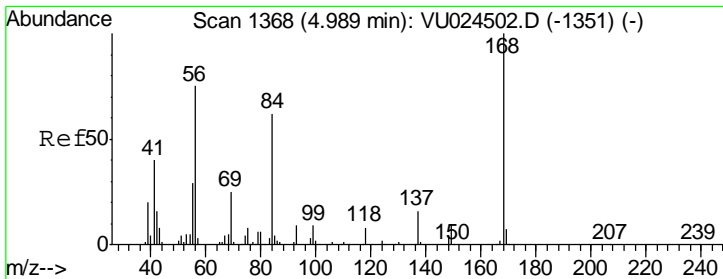
Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

Manual Integrations APPROVED
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Quant Time: Jun 21 08:21:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration



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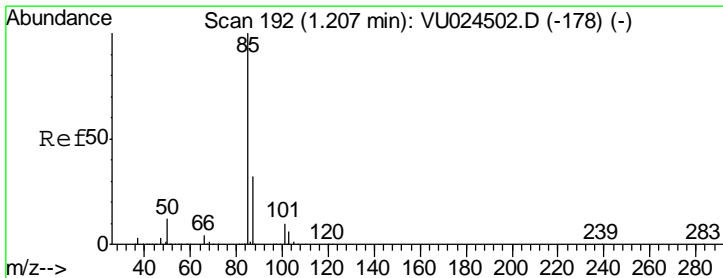
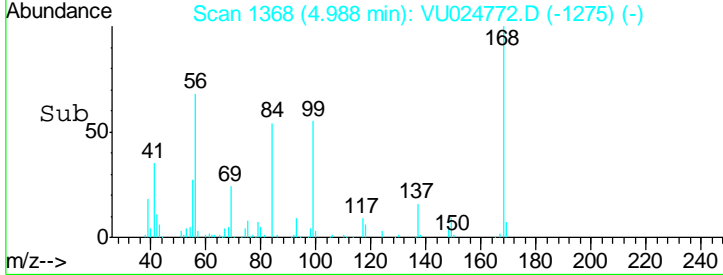
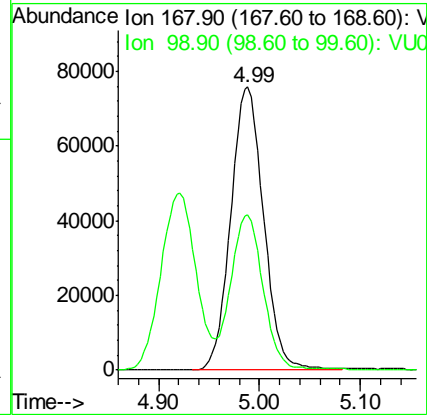
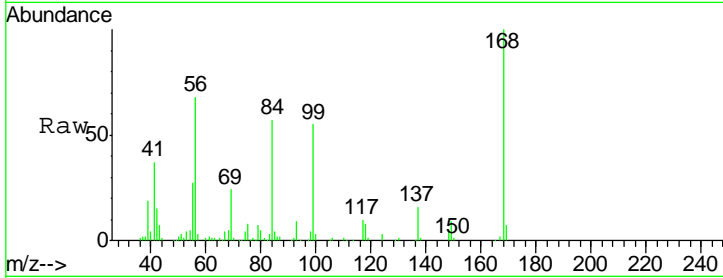


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

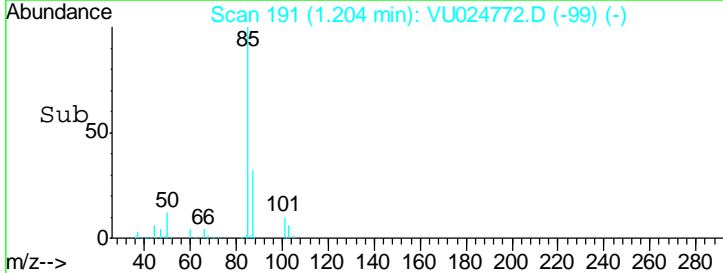
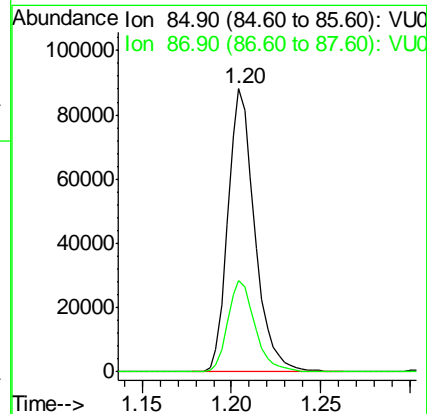
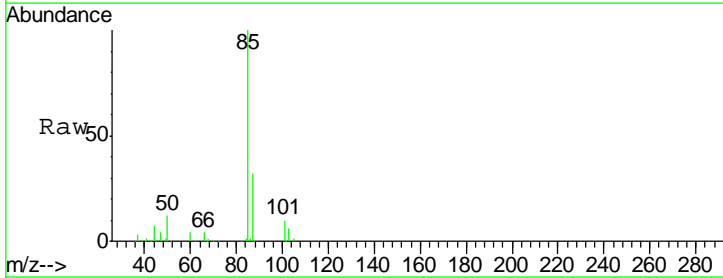
Tgt Ion	Resp	Lower	Upper
168	172231		
99	54.2	43.2	64.8

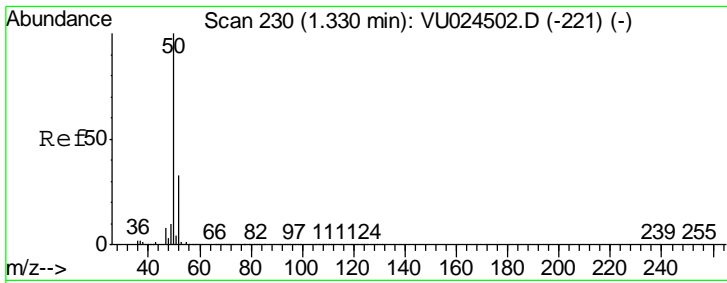
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#2
 Dichlorodifluoromethane
 Concen: 42.56 ug/l
 RT: 1.20 min Scan# 191
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
85	91748		
87	32.5	16.1	48.2



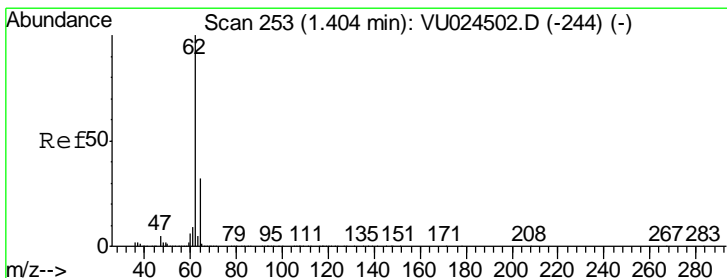
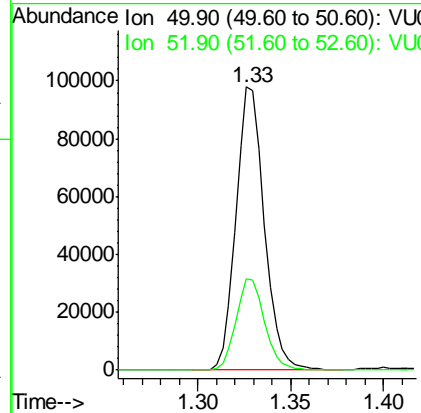
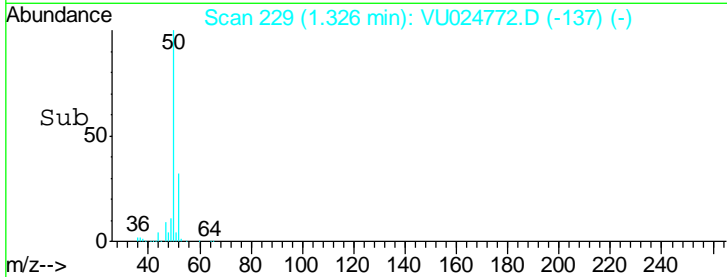
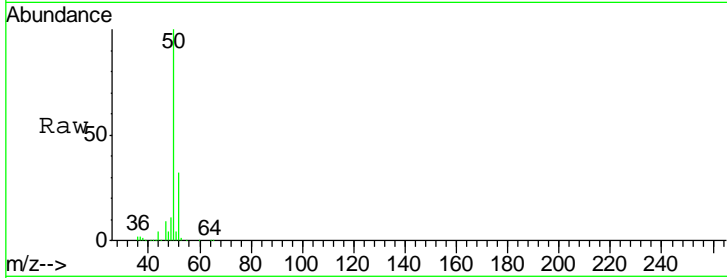


#3
 Chloromethane
 Concen: 47.16 ug/l
 RT: 1.33 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
50	103869		
52	32.2	26.4	39.6

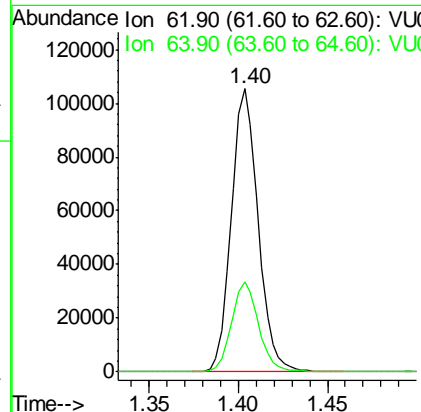
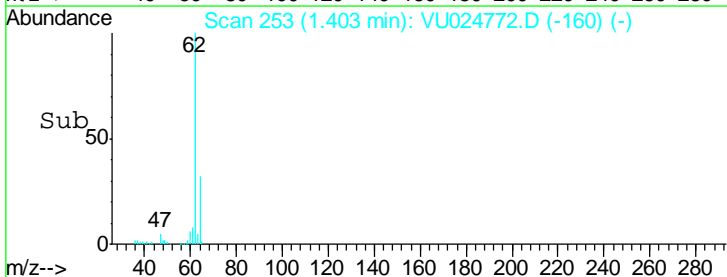
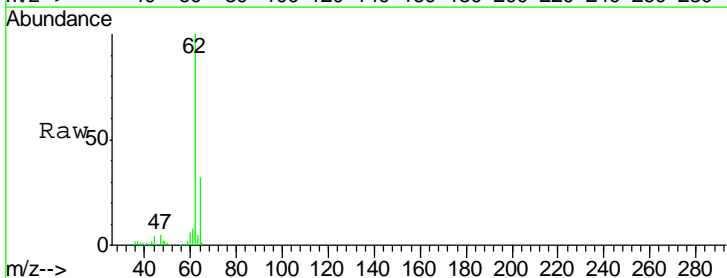
Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

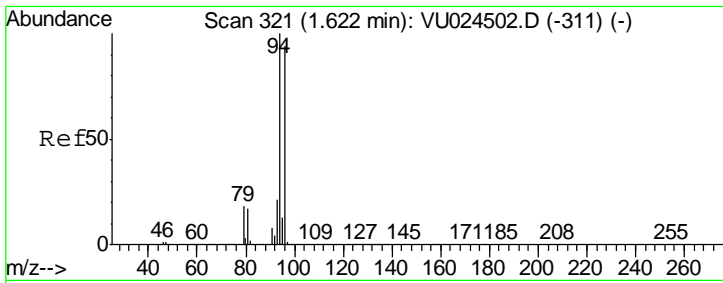
Manual Integrations
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#4
 Vinyl Chloride
 Concen: 48.36 ug/l
 RT: 1.40 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
62	109853		
64	31.4	24.8	37.2



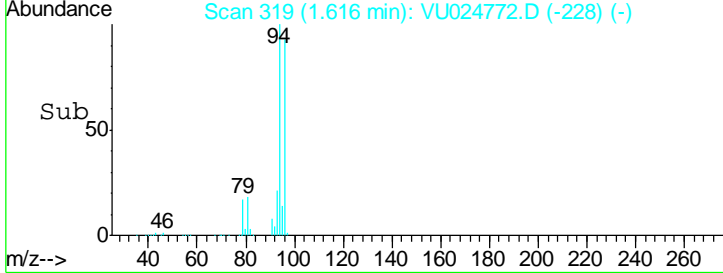
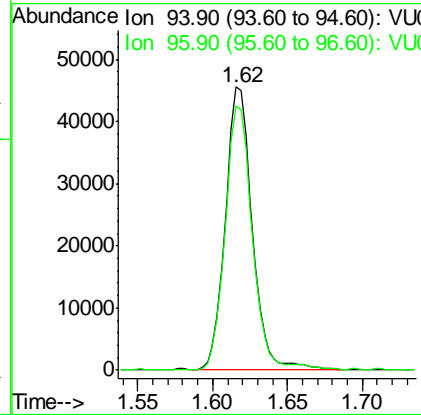
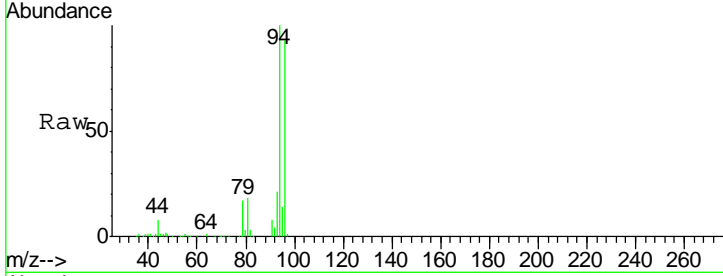


#5
 Bromomethane
 Concen: 52.20 ug/l
 RT: 1.62 min Scan# 319
 Delta R.T. -0.01 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
94	57319		
94	100		
96	93.0	74.5	111.7

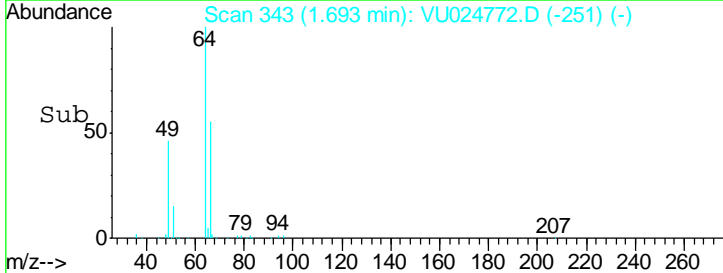
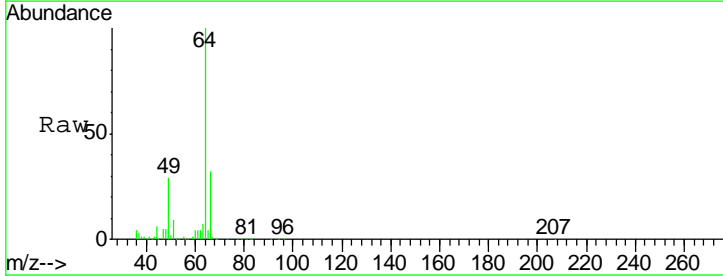
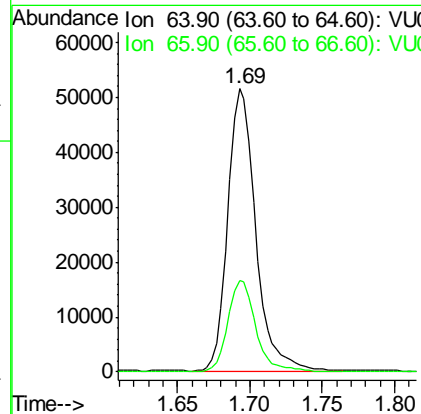
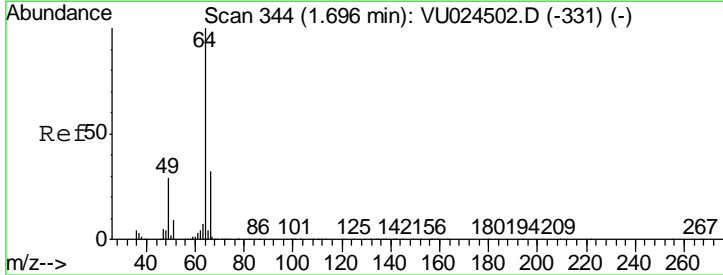
Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

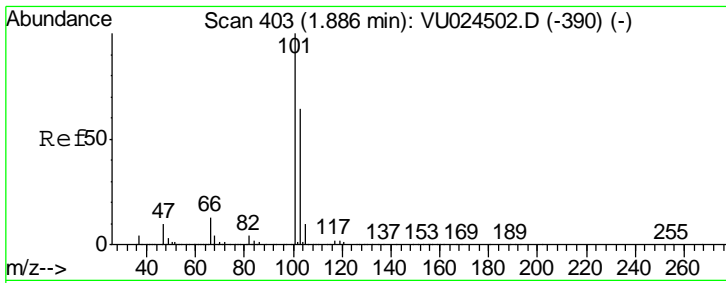
Manual Integrations
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#6
 Chloroethane
 Concen: 54.24 ug/l
 RT: 1.69 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
64	68732		
64	100		
66	32.4	25.5	38.3



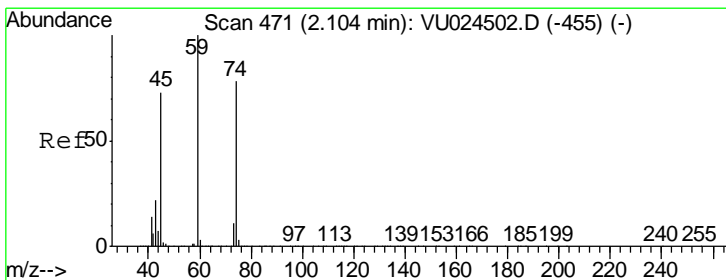
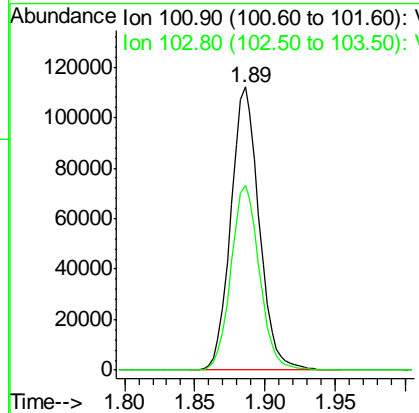
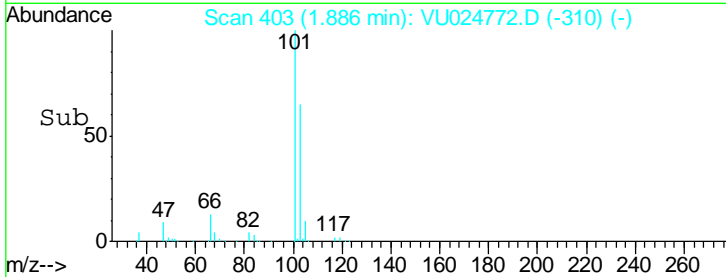
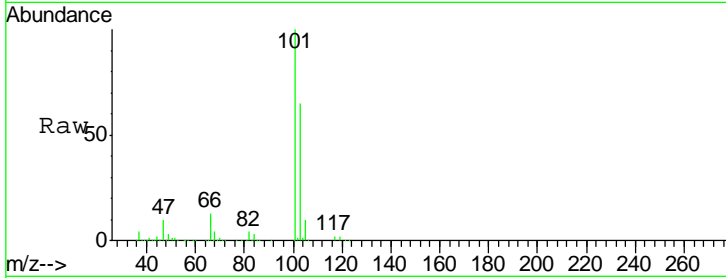


#7
 Trichlorofluoromethane
 Concen: 45.50 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
101	157702		
101	100		
103	65.4	52.3	78.5

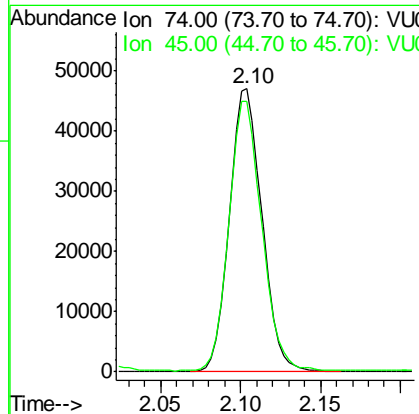
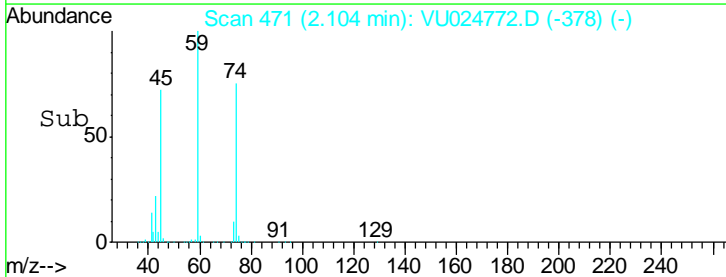
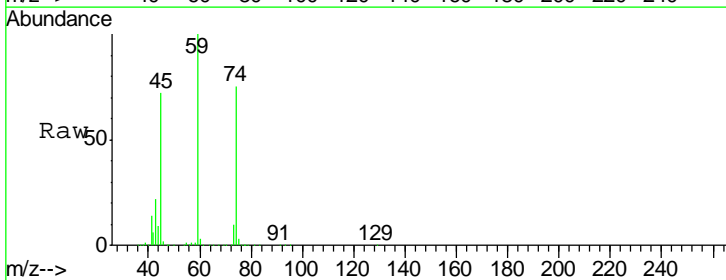
Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

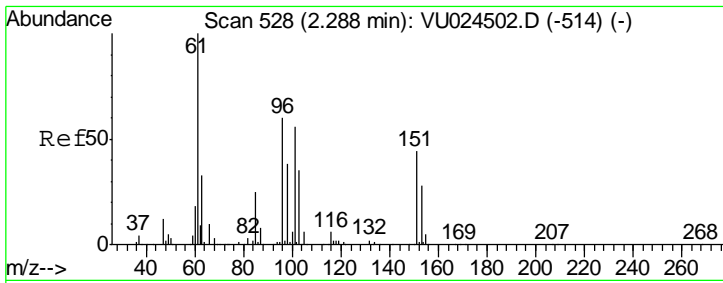
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#8
 Diethyl Ether
 Concen: 55.89 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

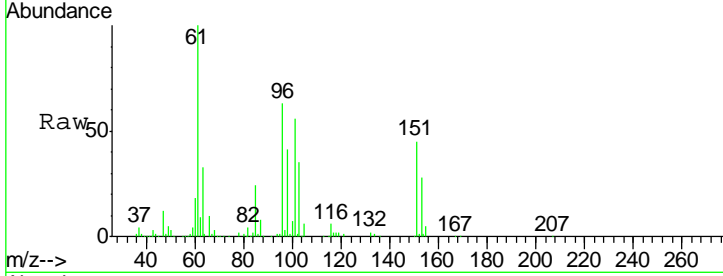
Tgt Ion	Resp	Lower	Upper
74	65668		
74	100		
45	96.3	55.0	165.0





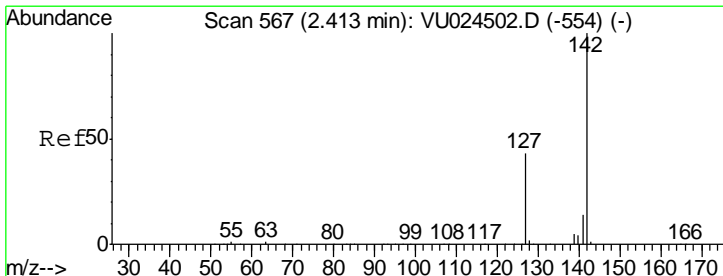
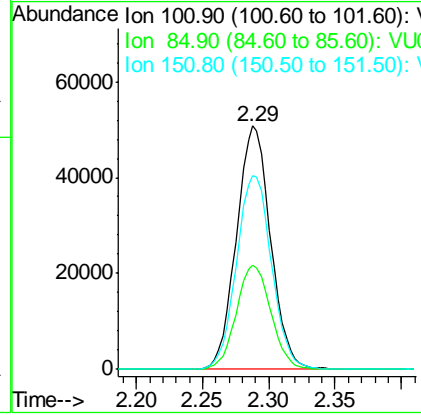
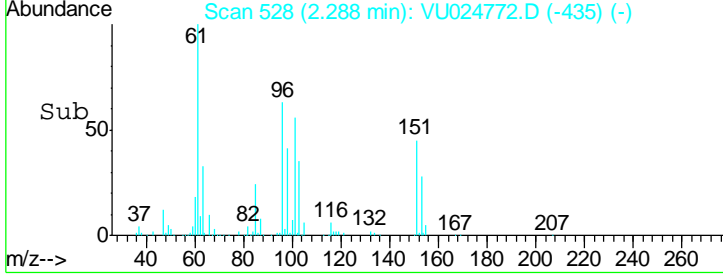
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 42.20 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

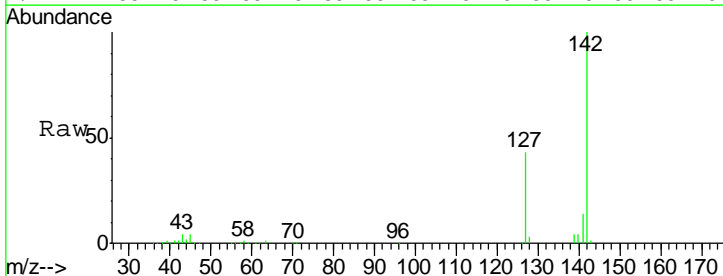


Tgt Ion	Resp	Lower	Upper
101	90746		
101	100		
85	43.6	36.0	54.0
151	82.1	62.3	93.5

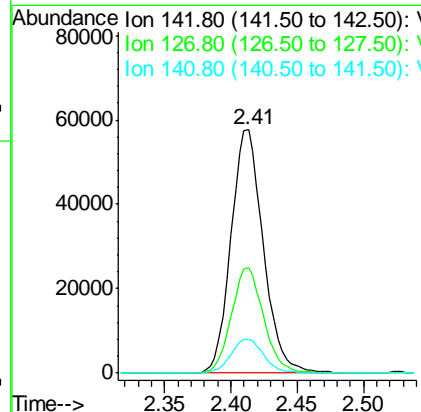
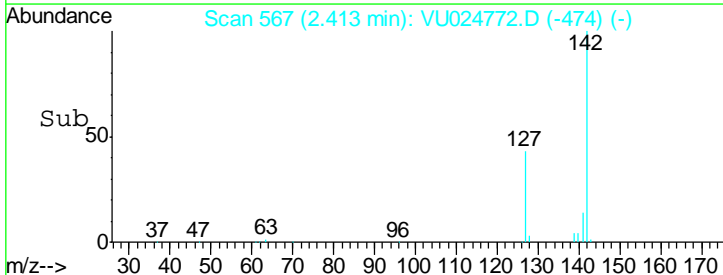
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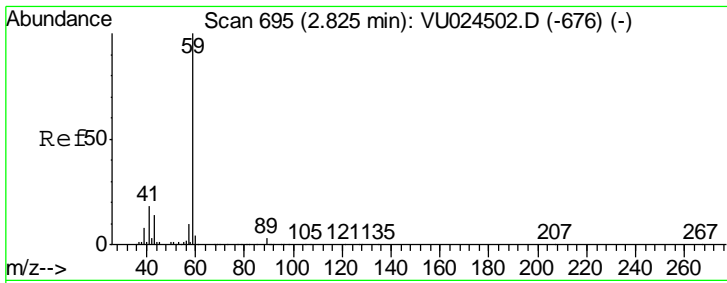


#10
 Methyl Iodide
 Concen: 53.28 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10



Tgt Ion	Resp	Lower	Upper
142	97665		
142	100		
127	43.3	35.6	53.4
141	14.2	11.7	17.5



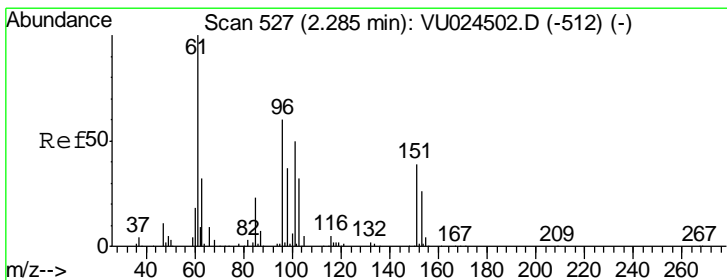
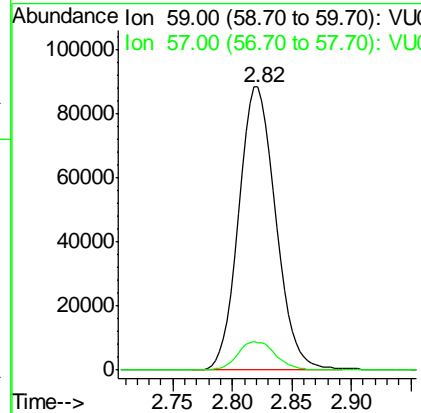
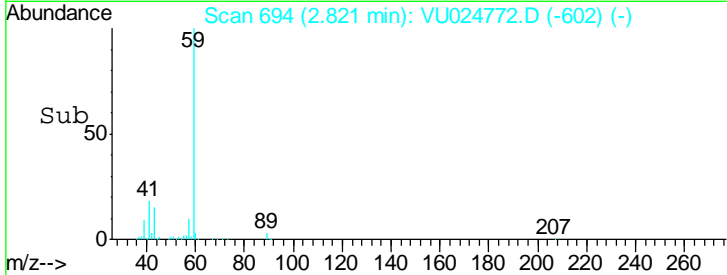
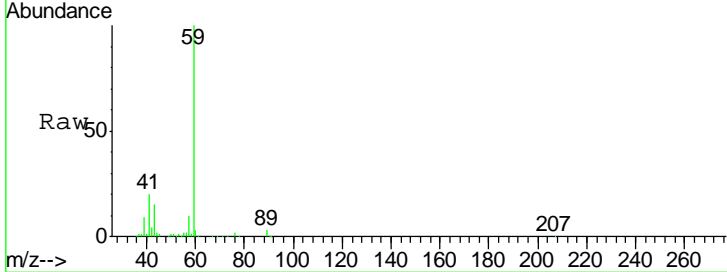


#11
 Tert butyl alcohol
 Concen: 278.92 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
59	190733		
57	10.4	8.5	12.7

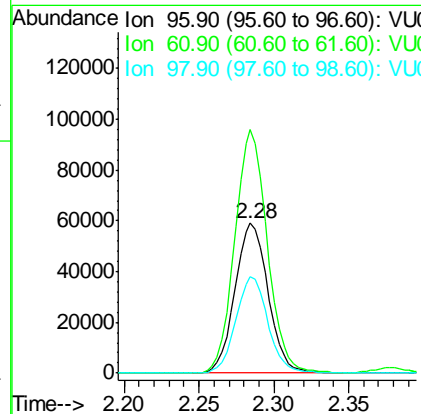
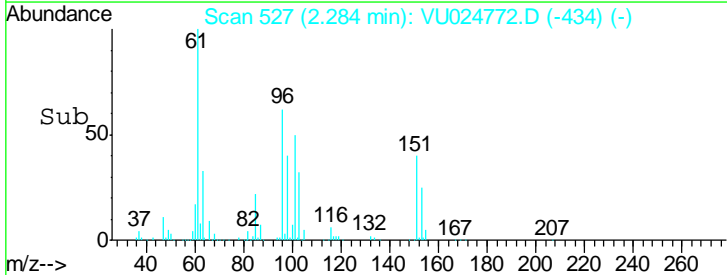
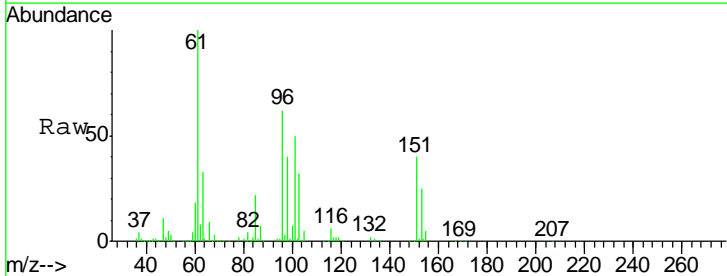
Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

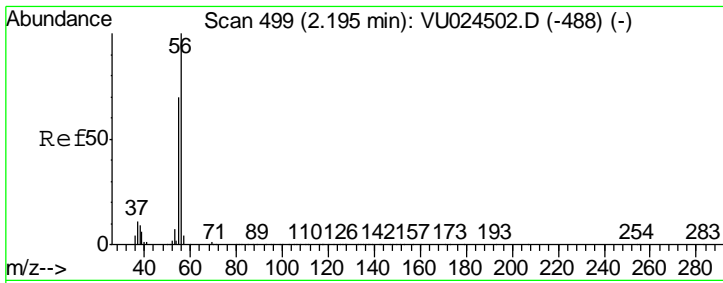
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#12
 1,1-Dichloroethene
 Concen: 46.56 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
96	91316		
61	162.2	141.7	212.5
98	64.4	51.6	77.4



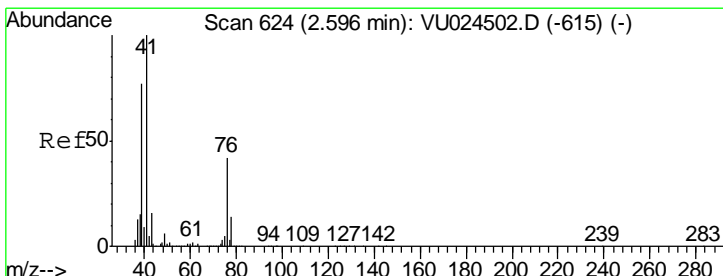
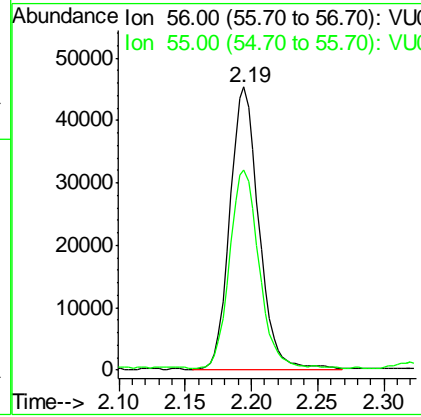
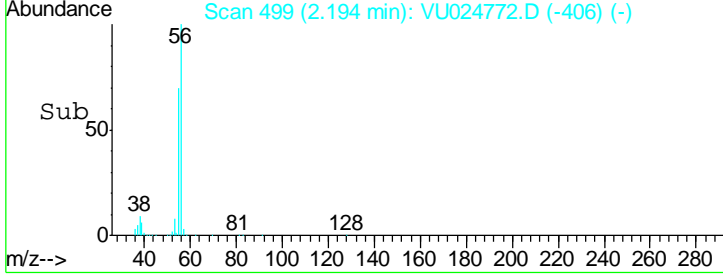
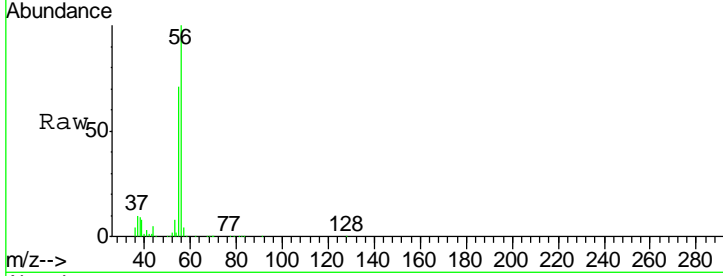


#13
 Acrolein
 Concen: 190.30 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
56	100		
55	71.6	58.4	87.6

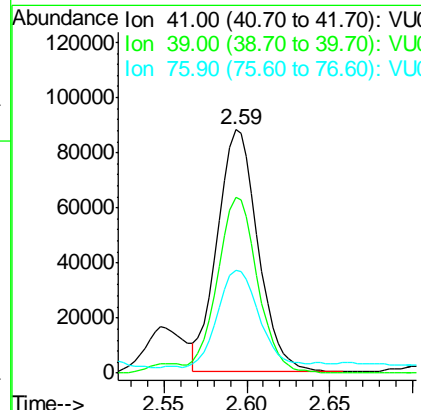
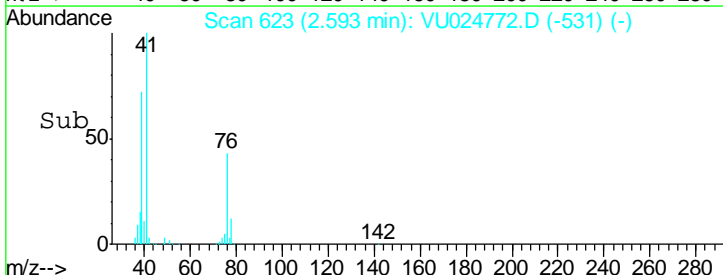
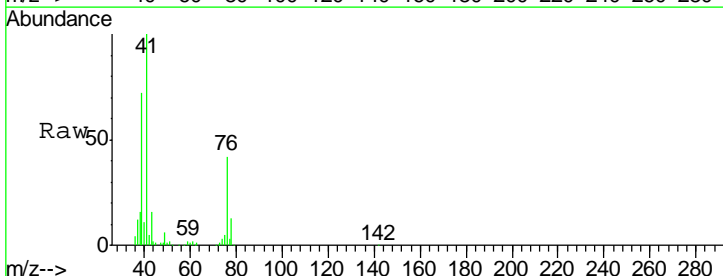
Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

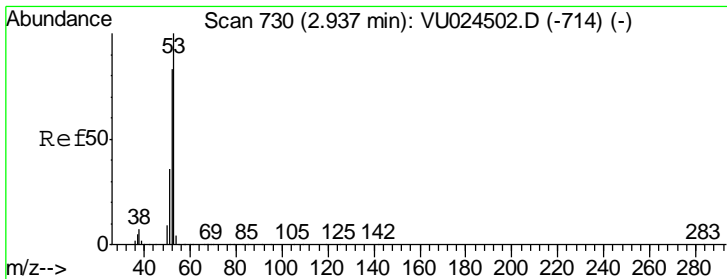
Manual Integrations
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#14
 Allyl chloride
 Concen: 41.18 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
41	100		
39	71.3	61.6	92.4
76	40.3	29.7	44.5



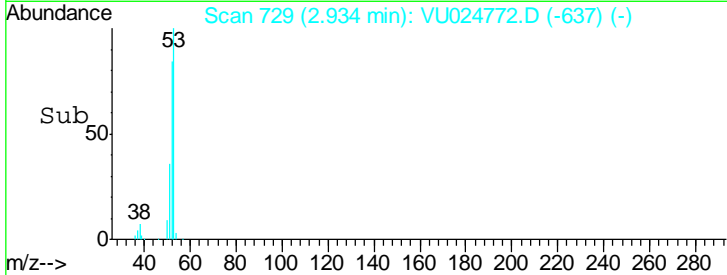
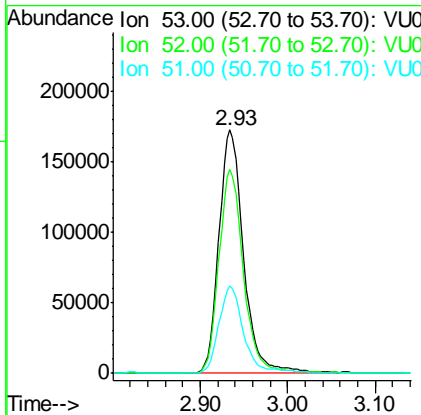
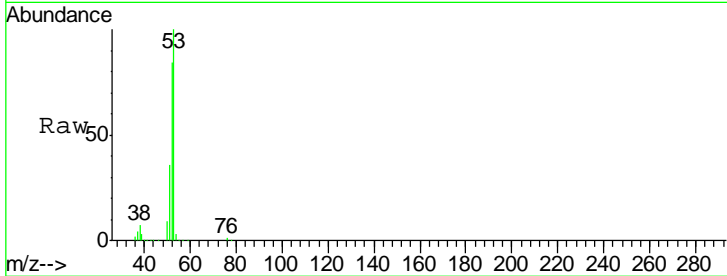


#15
 Acrylonitrile
 Concen: 253.97 ug/l
 RT: 2.93 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.4	67.1	100.7
51	36.4	28.4	42.6

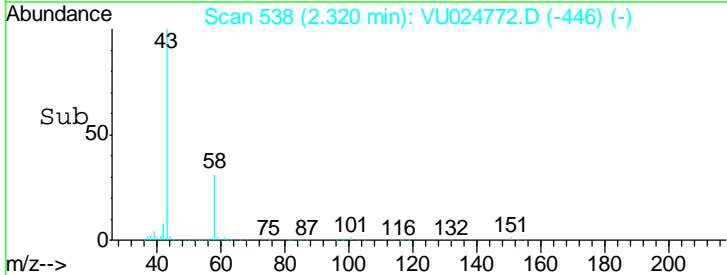
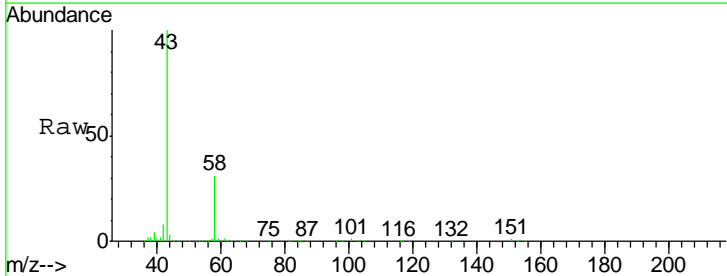
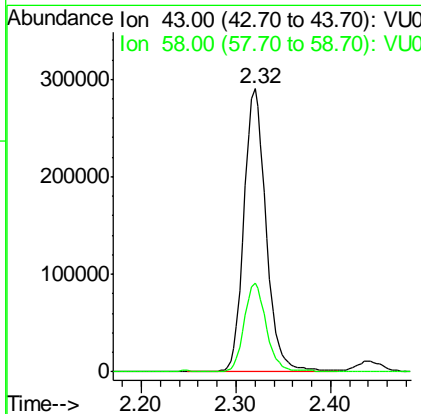
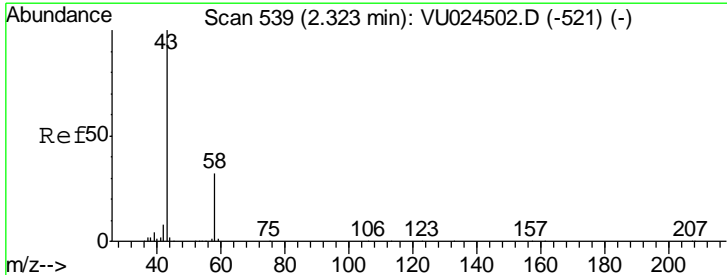
Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

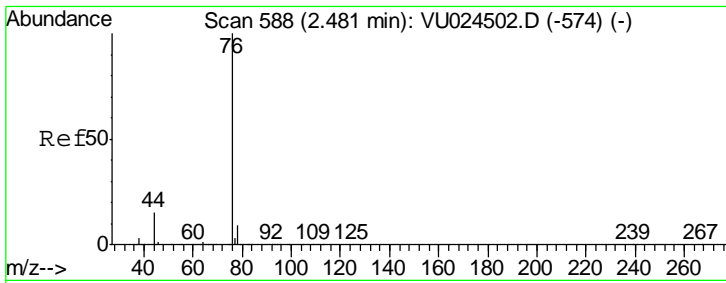
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#16
 Acetone
 Concen: 312.60 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.2	24.4	36.6



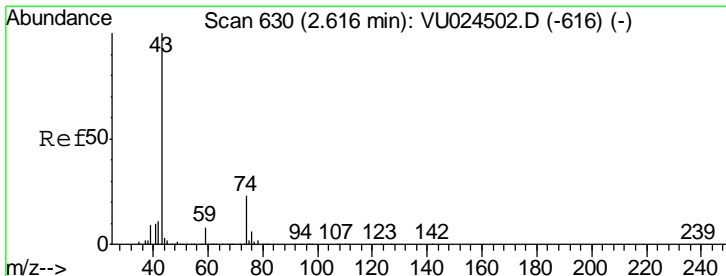
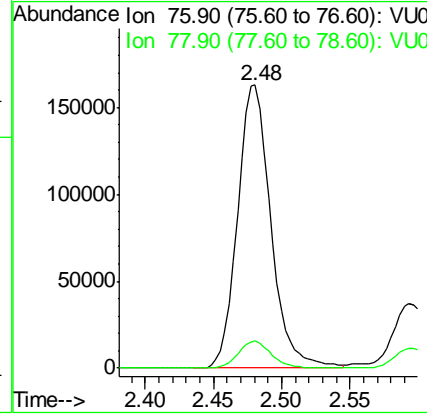
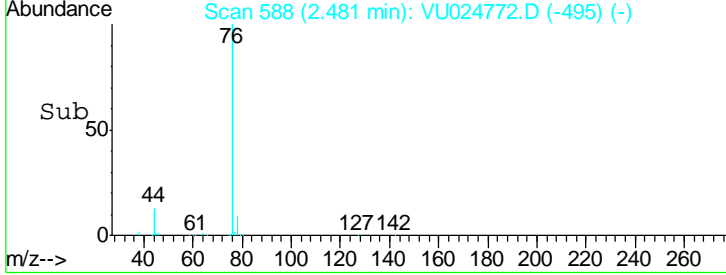
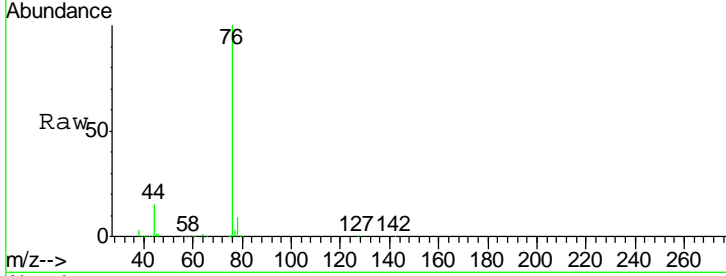


#17
 Carbon Disulfide
 Concen: 44.05 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
76	276620		
76	100		
78	9.5	7.1	10.7

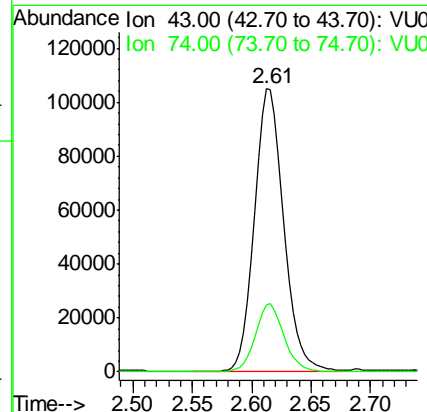
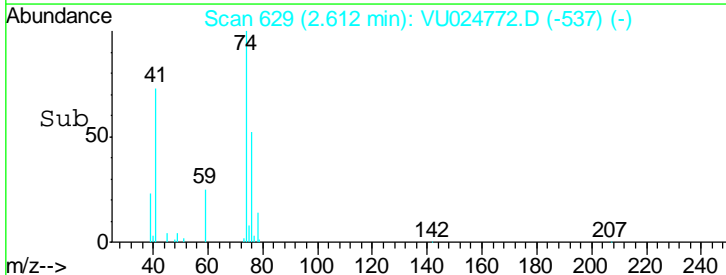
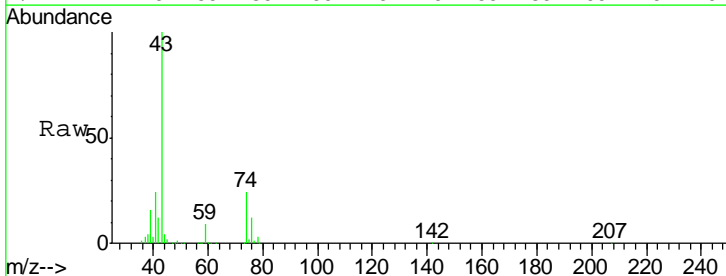
Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

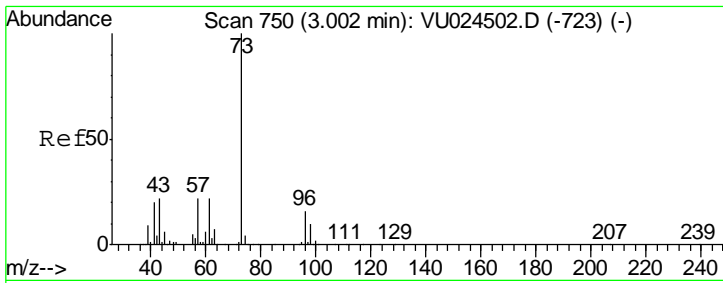
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#18
 Methyl Acetate
 Concen: 55.10 ug/l
 RT: 2.61 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
43	178441		
43	100		
74	23.5	18.0	27.0



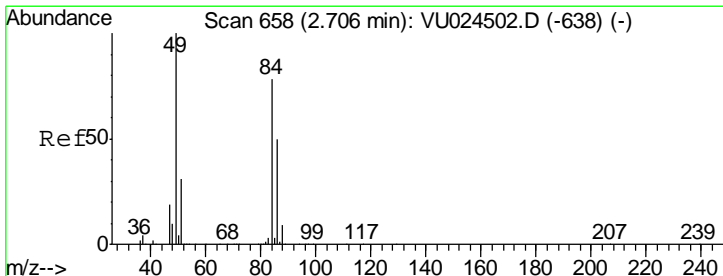
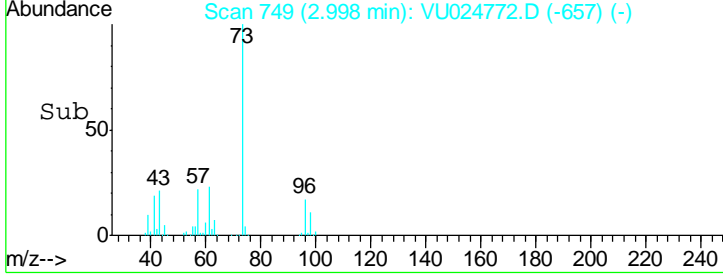
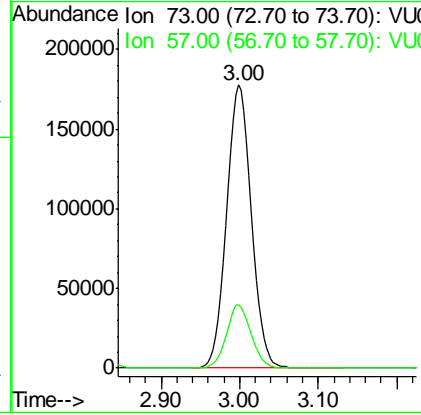
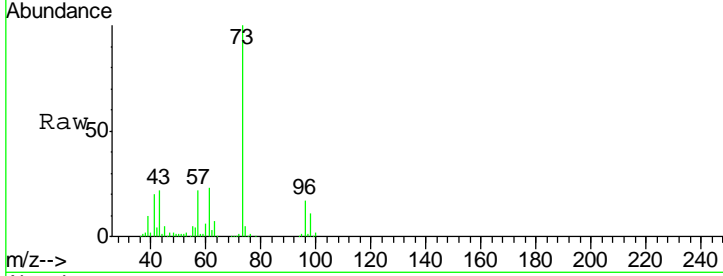


#19
 Methyl tert-butyl Ether
 Concen: 52.16 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
73	384501		
73	100		
57	22.4	18.8	28.2

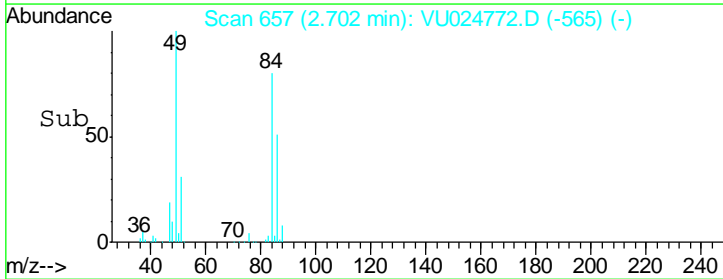
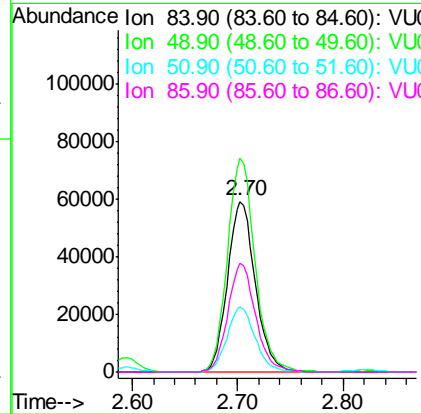
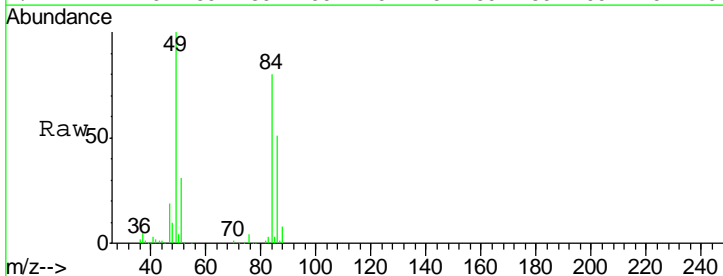
Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

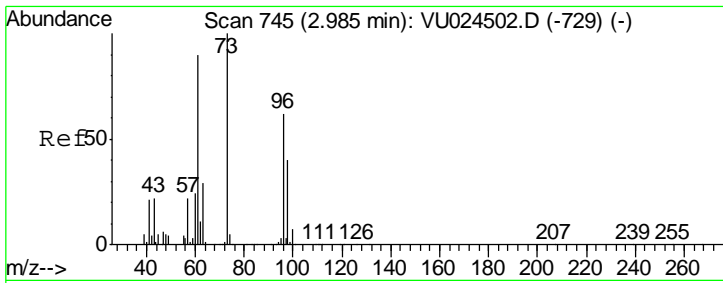
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#20
 Methylene Chloride
 Concen: 45.45 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

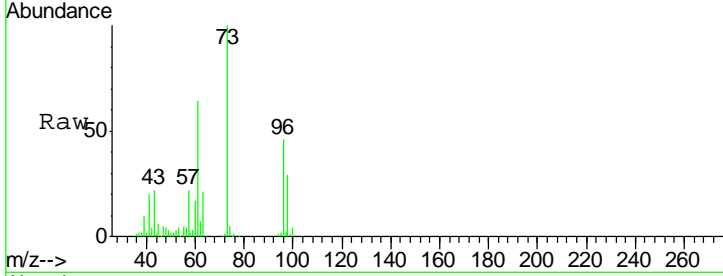
Tgt Ion	Resp	Lower	Upper
84	107746		
84	100		
49	125.3	103.8	155.8
51	38.4	32.0	48.0
86	64.1	51.6	77.4





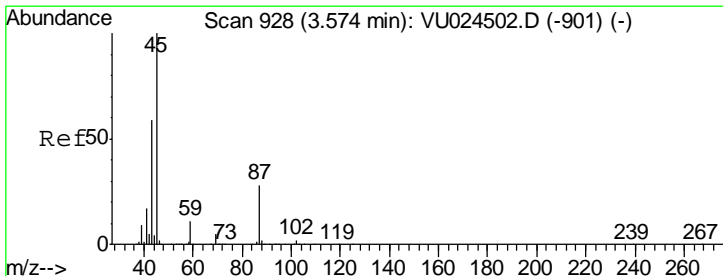
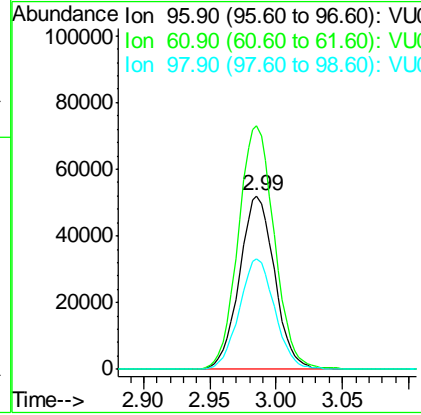
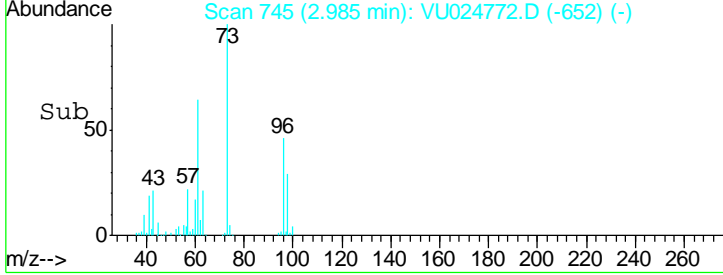
#21
 trans-1,2-Dichloroethene
 Concen: 44.31 ug/l
 RT: 2.99 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

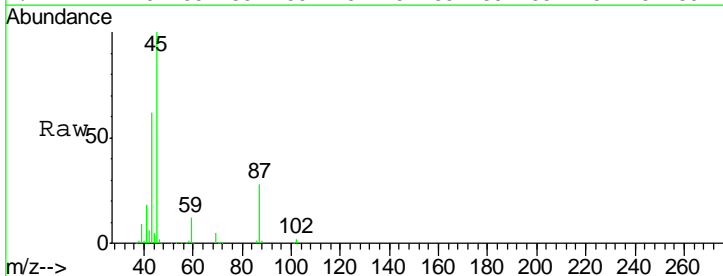


Tgt Ion	Resp	Lower	Upper
96	95718		
96	100		
61	140.1	119.4	179.0
98	64.0	51.1	76.7

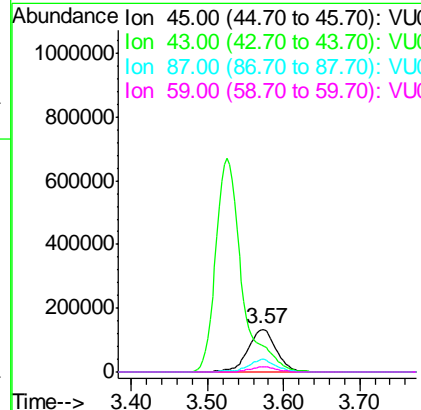
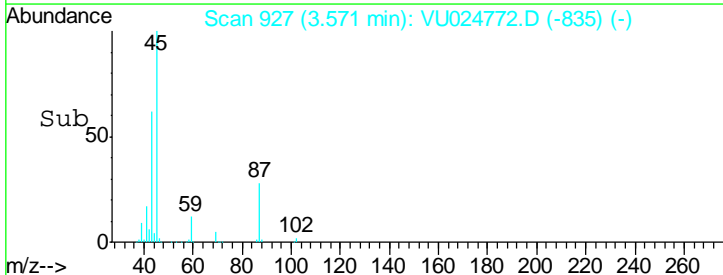
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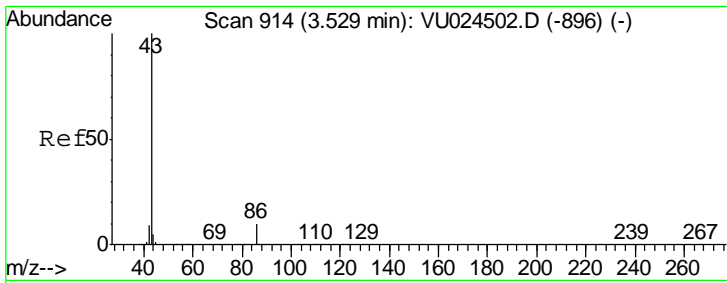


#22
 Diisopropyl ether
 Concen: 48.40 ug/l
 RT: 3.57 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10



Tgt Ion	Resp	Lower	Upper
45	349394		
45	100		
43	61.4	45.8	68.6
87	28.4	20.6	31.0
59	11.9	9.4	14.0



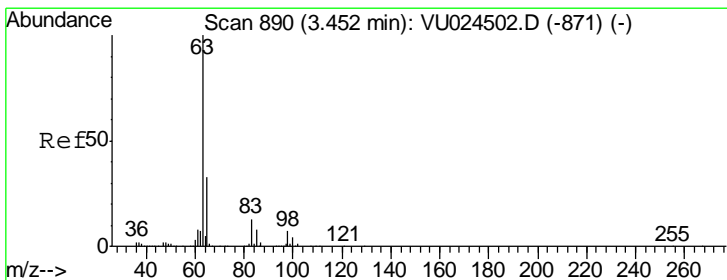
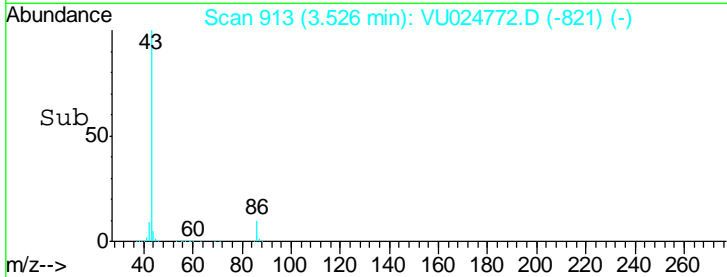
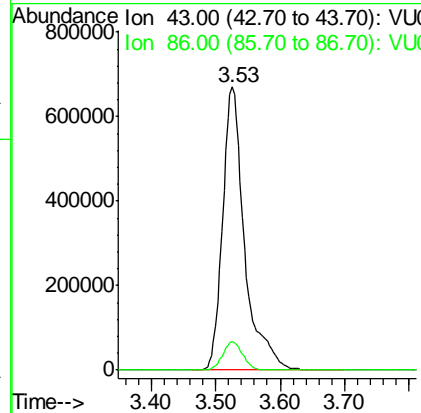
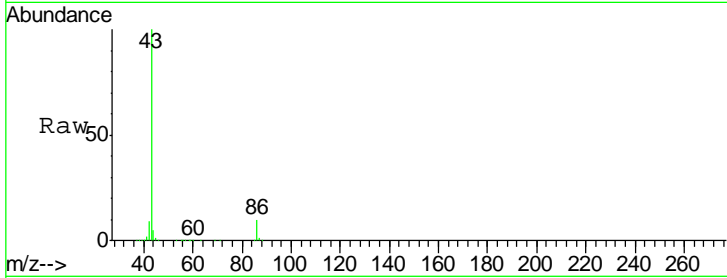


#23
 Vinyl Acetate
 Concen: 246.81 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.0	7.8	11.8

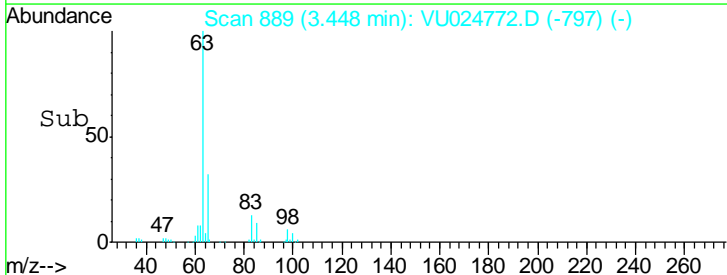
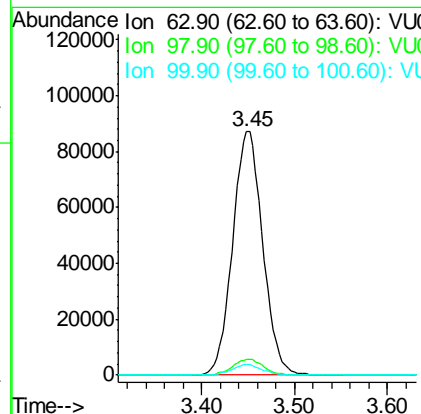
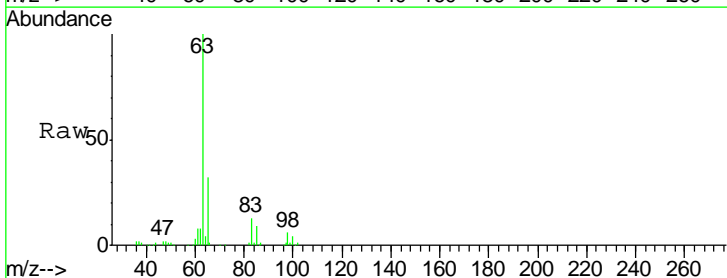
Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

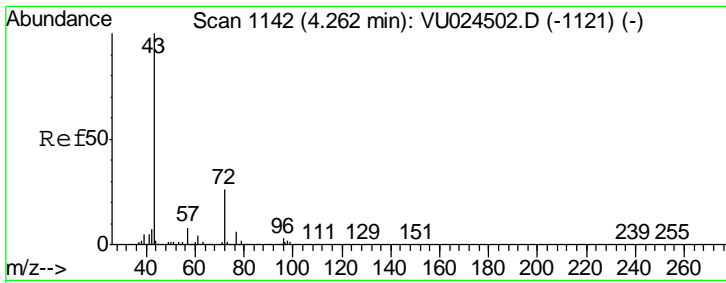
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#24
 1,1-Dichloroethane
 Concen: 47.24 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.5	3.5	10.4
100	4.5	1.8	5.5





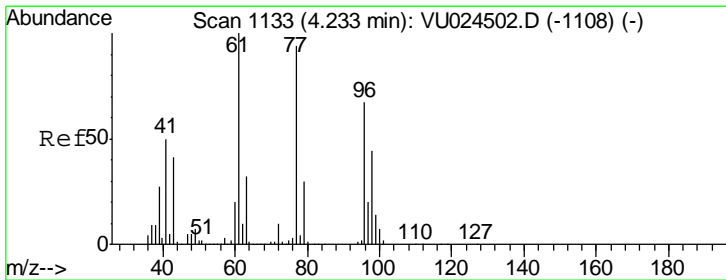
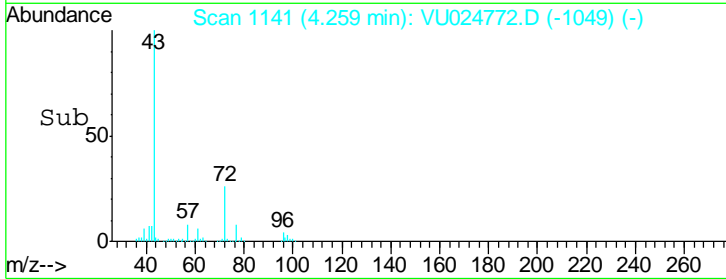
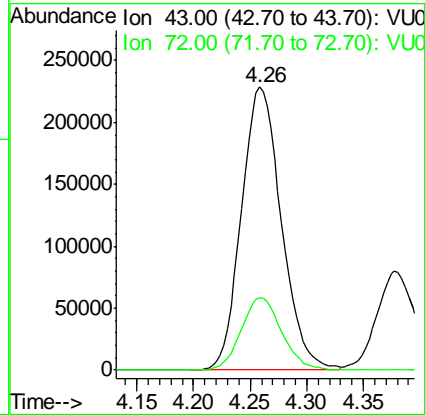
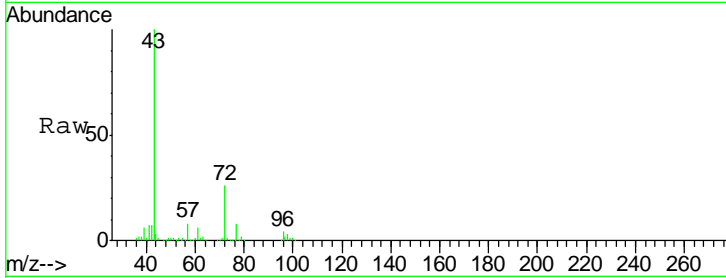
#25
 2-Butanone
 Concen: 275.10 ug/l
 RT: 4.26 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.7	19.6	29.4

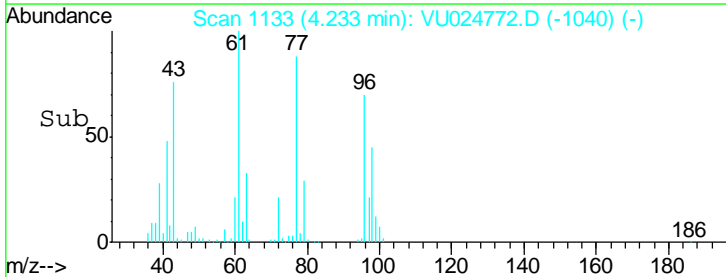
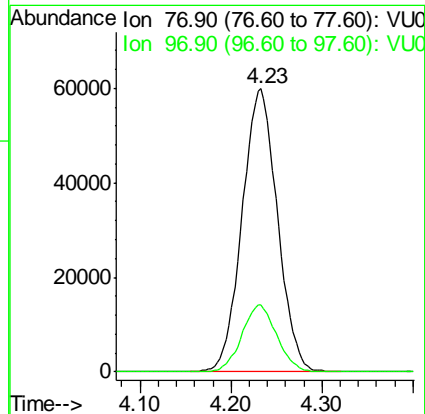
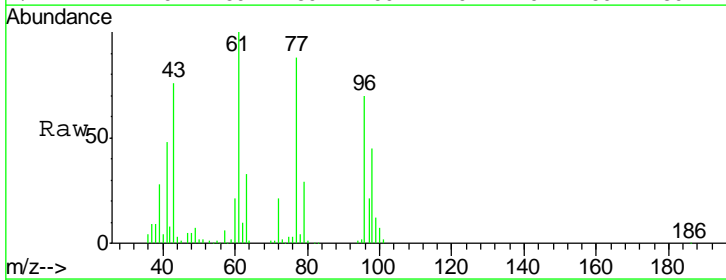
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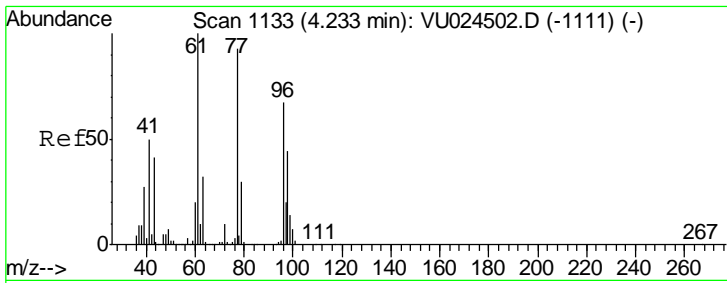
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#26
 2,2-Dichloropropane
 Concen: 40.95 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.3	33.8



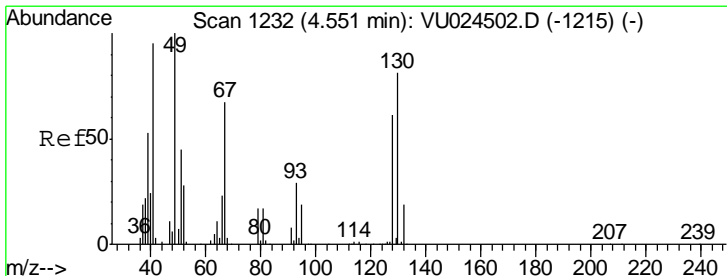
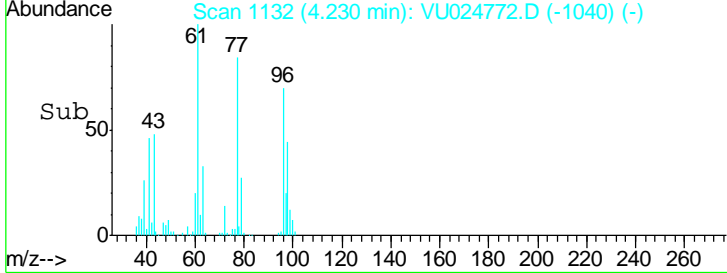
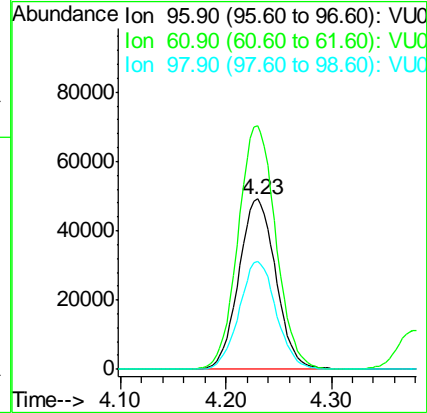
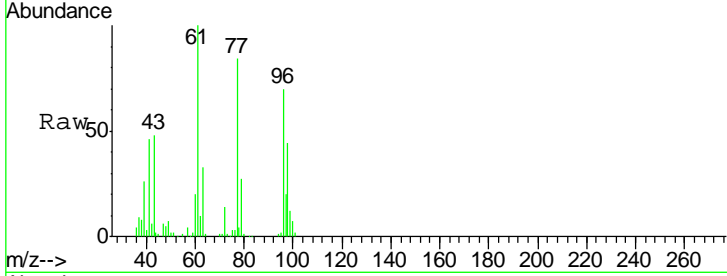


#27
 cis-1,2-Dichloroethene
 Concen: 48.27 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

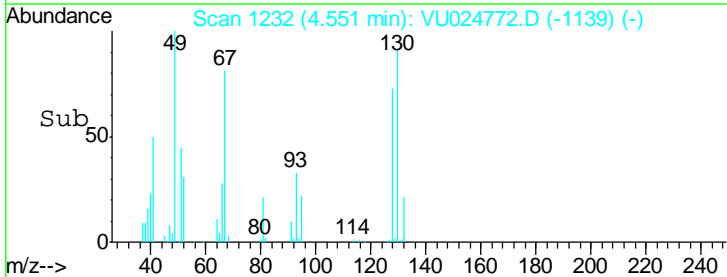
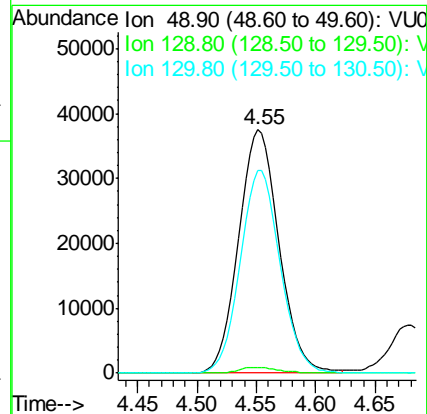
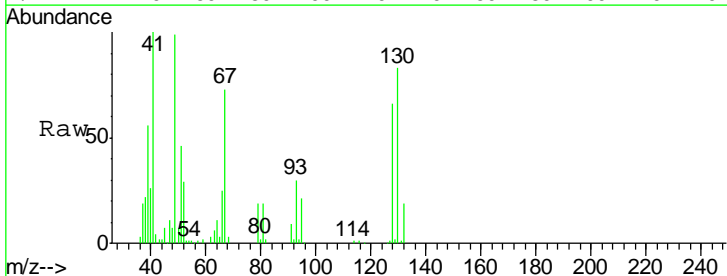
Tgt Ion	Resp	Lower	Upper
96	119874		
61	146.1	0.0	306.6
98	63.5	0.0	128.8

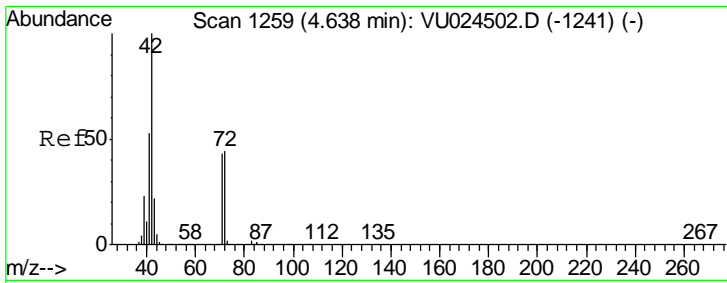
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#28
 Bromochloromethane
 Concen: 48.21 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
49	88183		
129	2.2	0.0	3.8
130	82.5	57.8	86.6



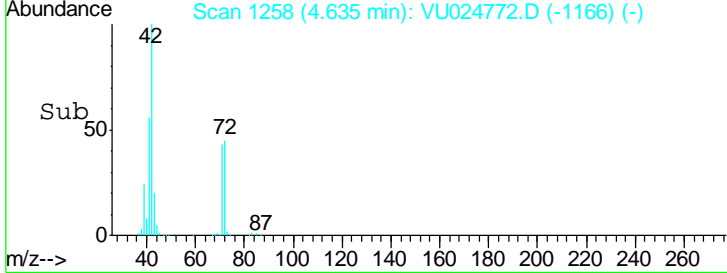
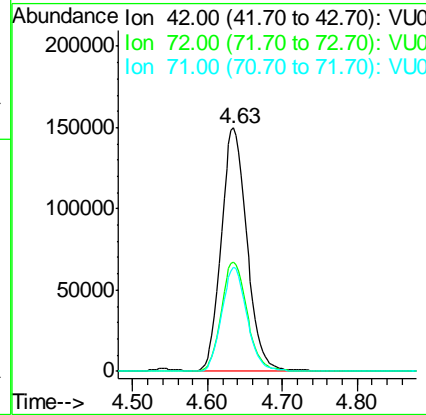
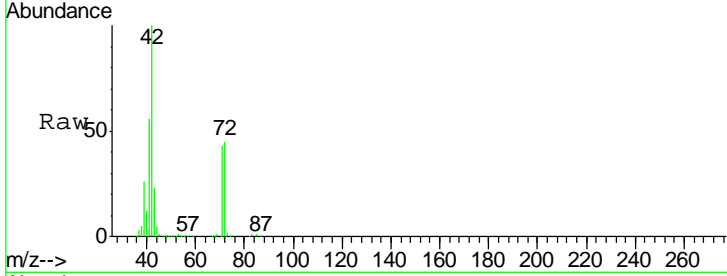


#29
 Tetrahydrofuran
 Concen: 281.75 ug/l
 RT: 4.63 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
42	100		
72	45.5	34.5	51.7
71	42.3	32.2	48.4

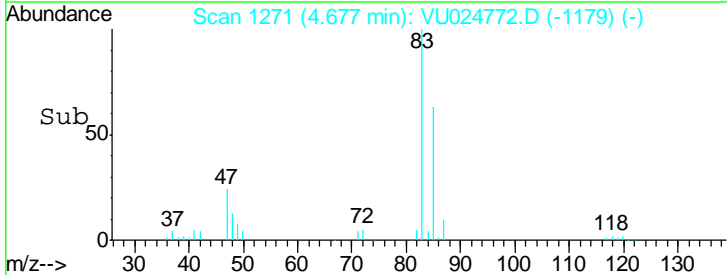
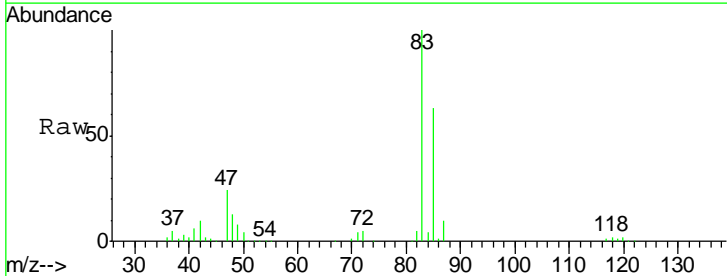
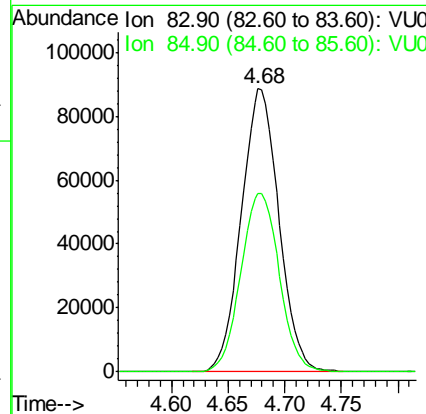
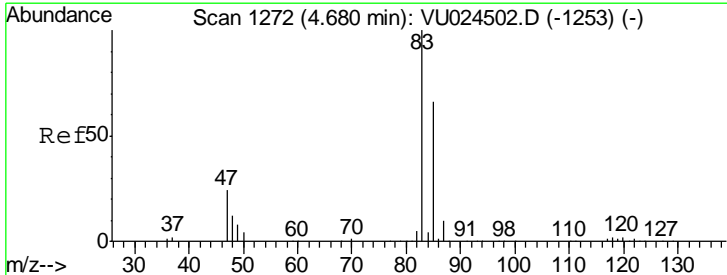
Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

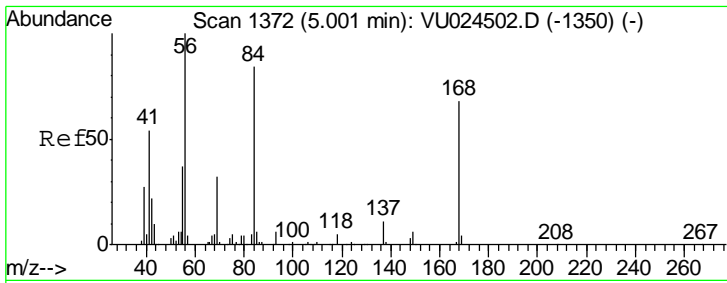
Manual Integrations
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#30
 Chloroform
 Concen: 48.75 ug/l
 RT: 4.68 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.2	52.4	78.6





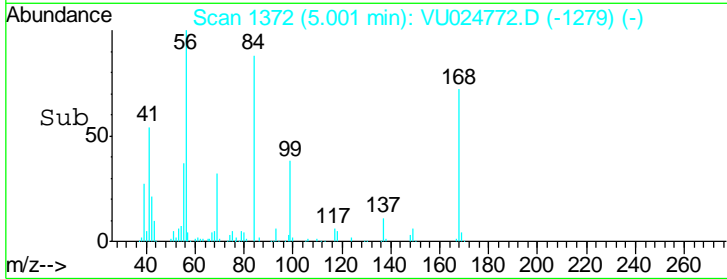
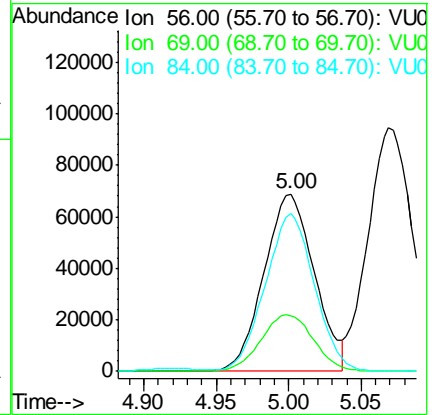
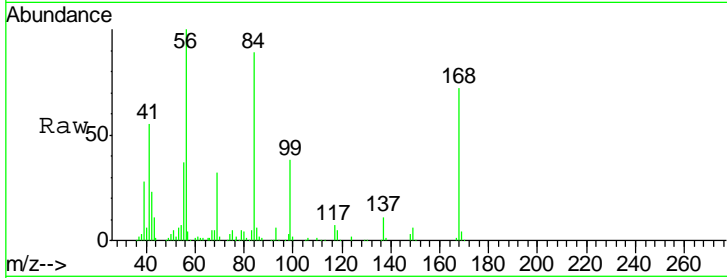
#31
 Cyclohexane
 Concen: 44.97 ug/l
 RT: 5.00 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

Tgt Ion	Resp	Lower	Upper
56	100		
69	31.5	24.8	37.2
84	87.8	65.2	97.8

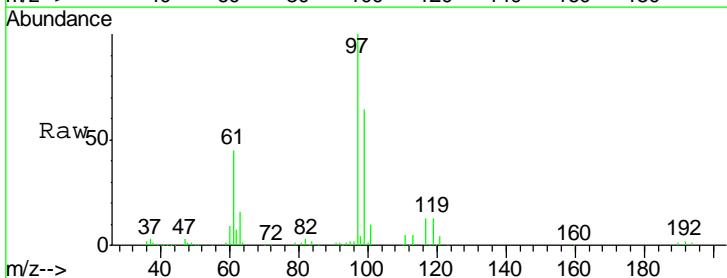
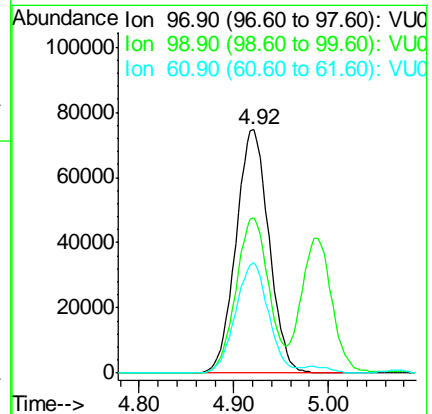
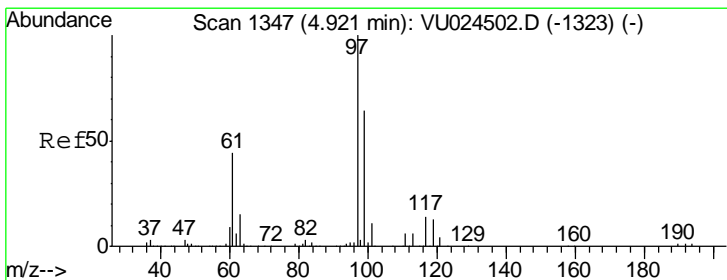
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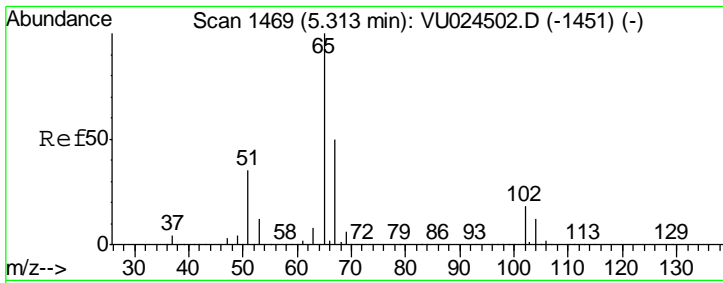
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#32
 1,1,1-Trichloroethane
 Concen: 46.48 ug/l
 RT: 4.92 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	45.2	39.4	59.0



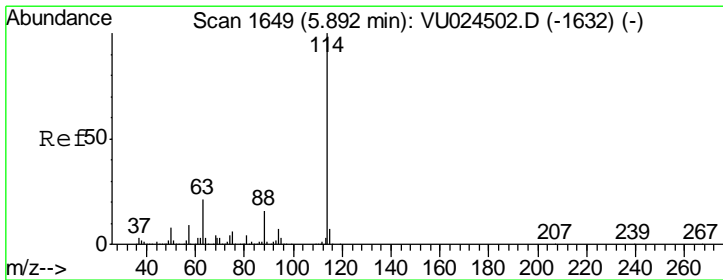
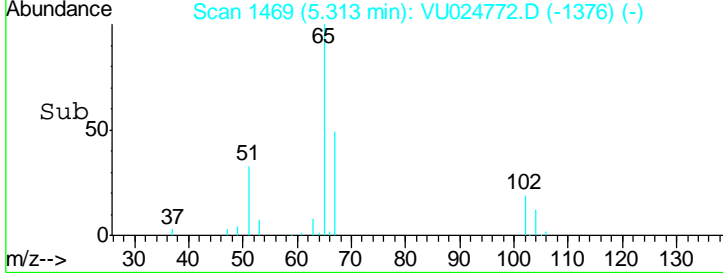
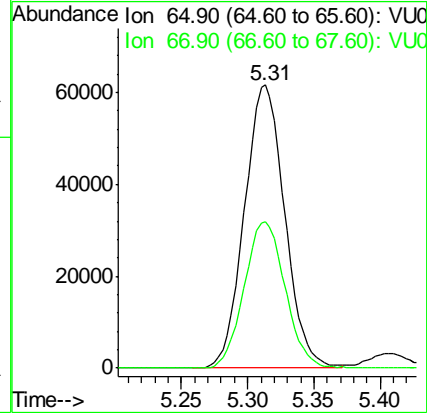
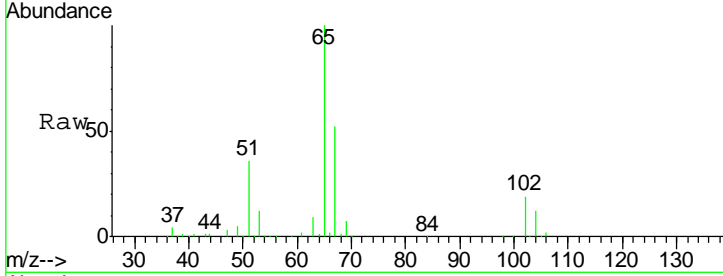


#33
 1,2-Dichloroethane-d4
 Concen: 46.39 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
65	130429		
67	52.6	0.0	107.0

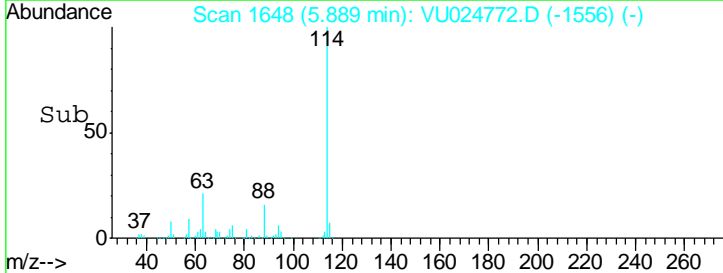
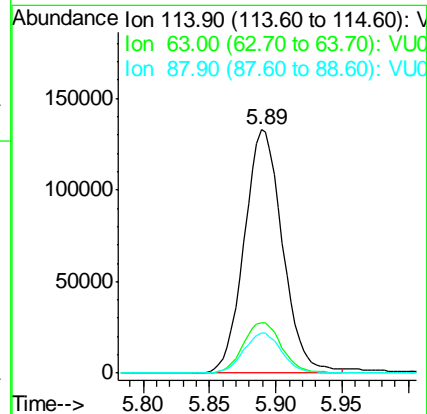
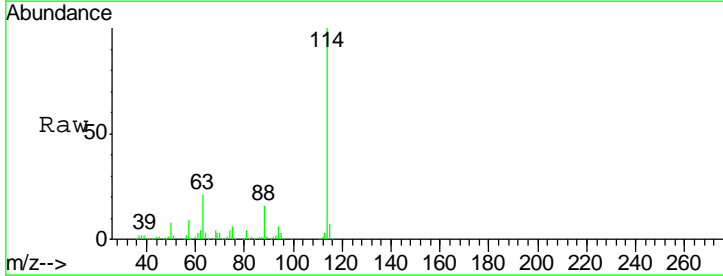
Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

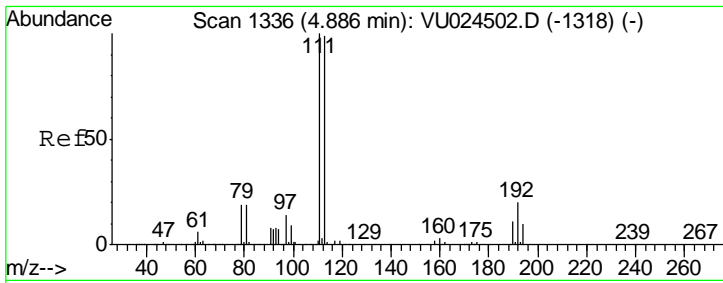
Manual Integrations APPROVED
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

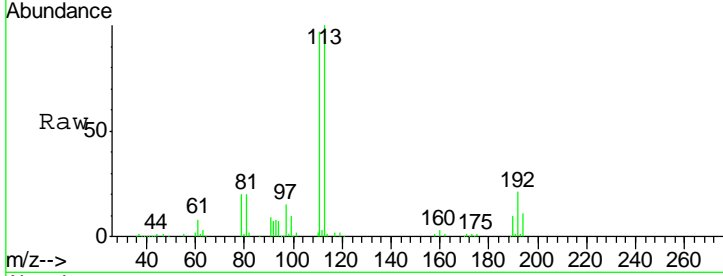
Tgt Ion	Resp	Lower	Upper
114	266984		
63	20.9	0.0	45.4
88	16.4	0.0	31.0





#35
 Dibromofluoromethane
 Concen: 48.05 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

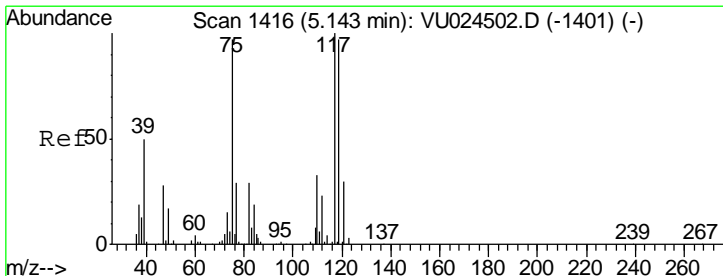
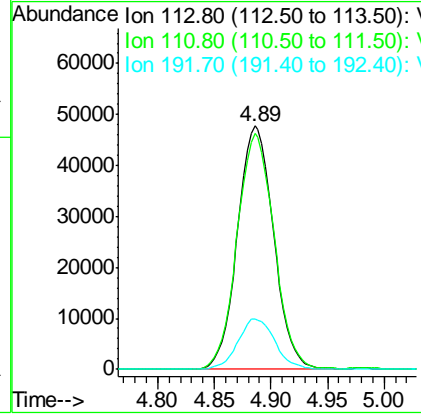
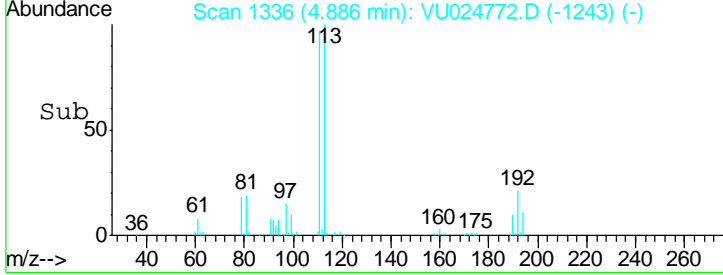
Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD



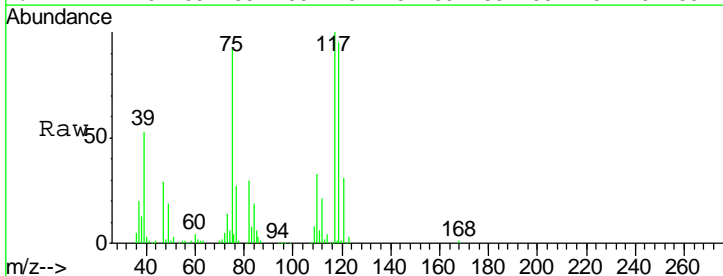
Tgt Ion: 113 Resp: 106458

Ion	Ratio	Lower	Upper
113	100		
111	99.4	82.2	123.4
192	21.3	16.2	24.4

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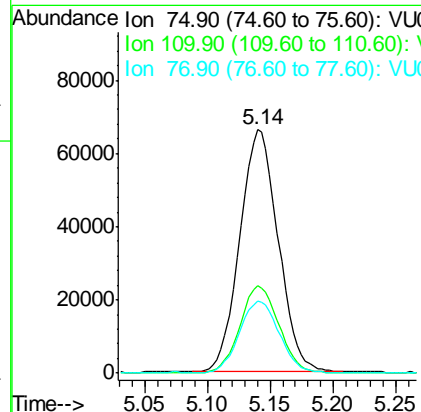
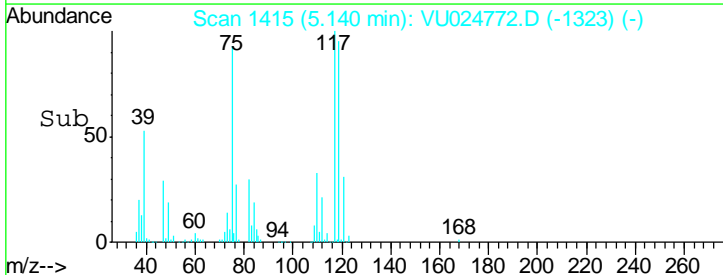


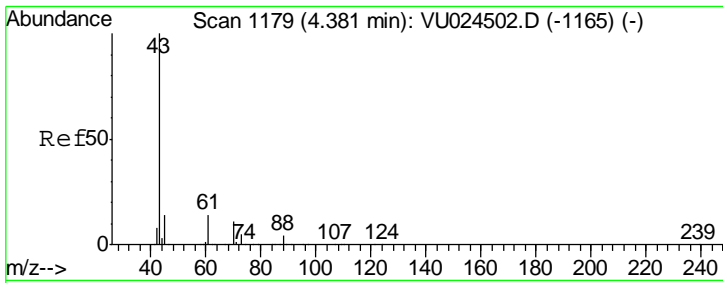
#36
 1,1-Dichloropropene
 Concen: 44.67 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10



Tgt Ion: 75 Resp: 140156

Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.0	50.9
77	30.4	24.2	36.4



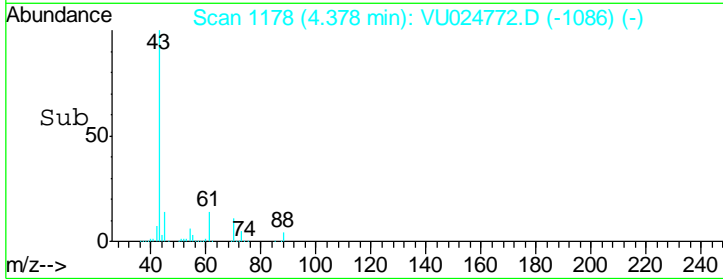
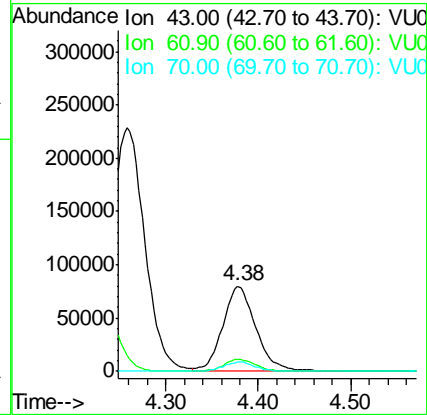
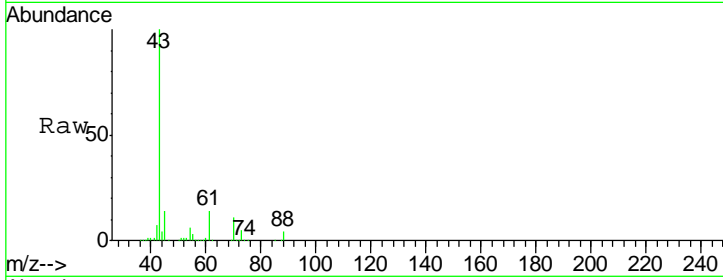


#37
Ethyl Acetate
Concen: 56.36 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU024772.D
Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
43	192702		
61	14.1	10.5	15.7
70	10.6	7.4	11.2

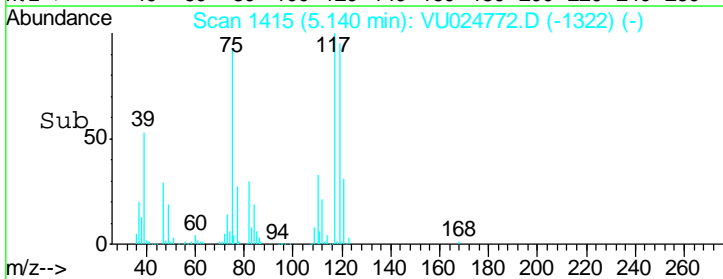
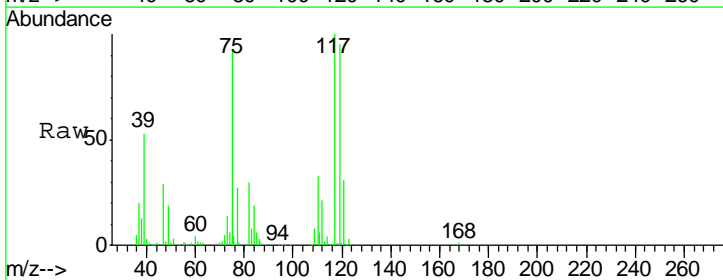
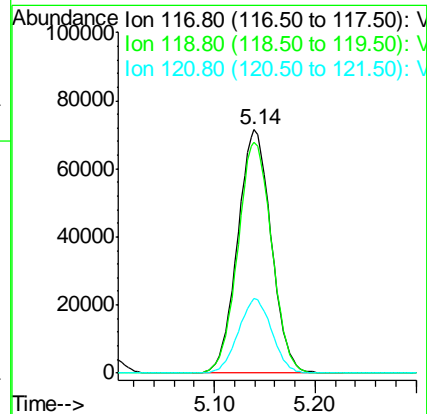
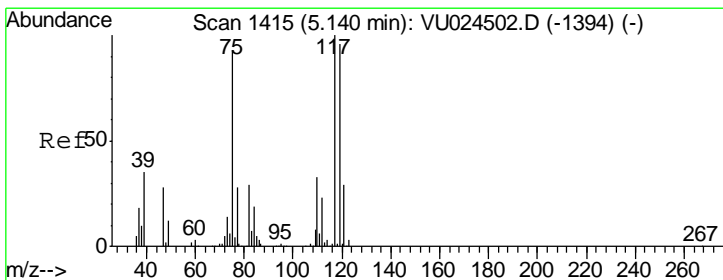
Instrument : MSVOA_U
Client Sampled : TPTW-04MSD

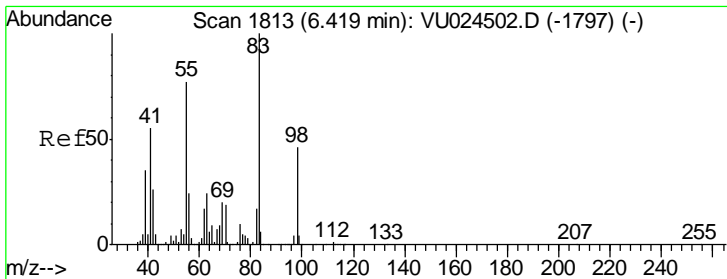
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#38
Carbon Tetrachloride
Concen: 47.76 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024772.D
Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
117	164781		
119	94.9	76.1	114.1
121	30.6	23.7	35.5





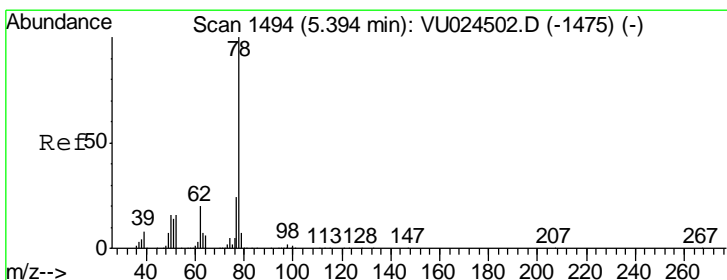
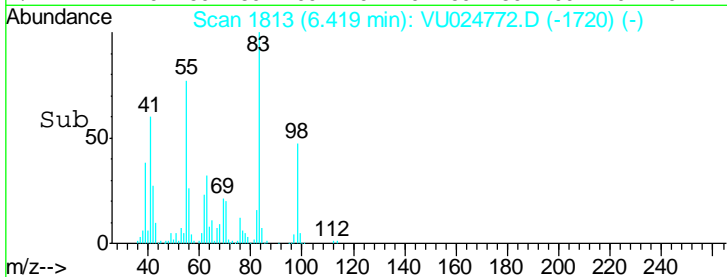
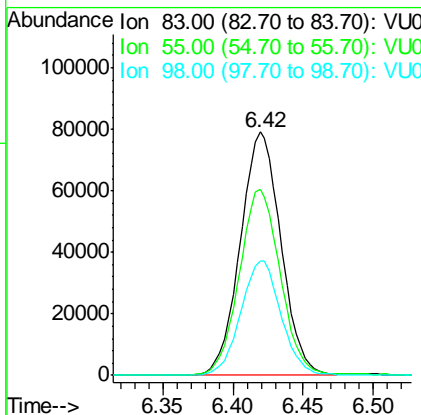
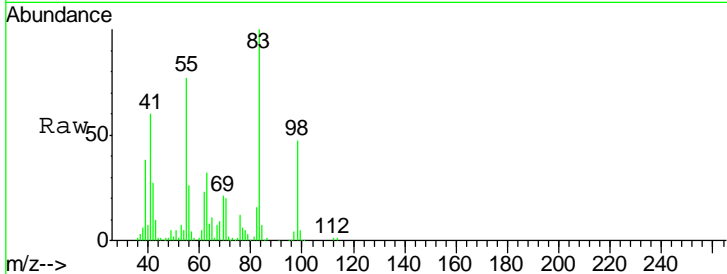
#39
 Methylcyclohexane
 Concen: 40.75 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

Tgt Ion	Resp	Lower	Upper
83	159532		
83	100		
55	76.3	65.8	98.6
98	47.0	36.7	55.1

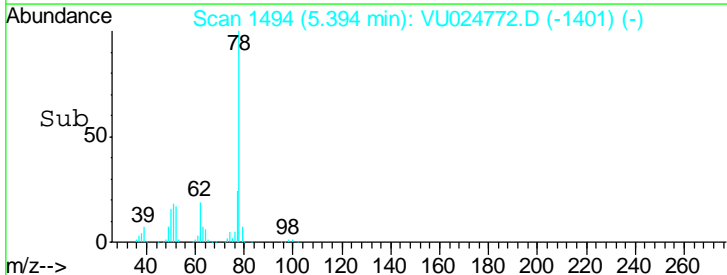
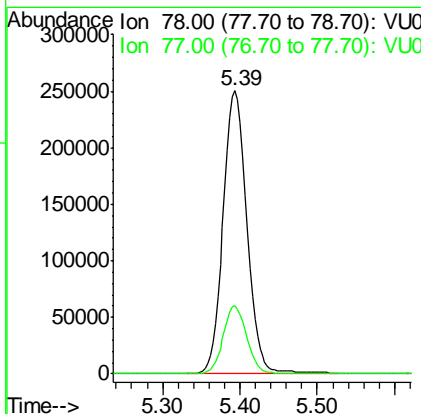
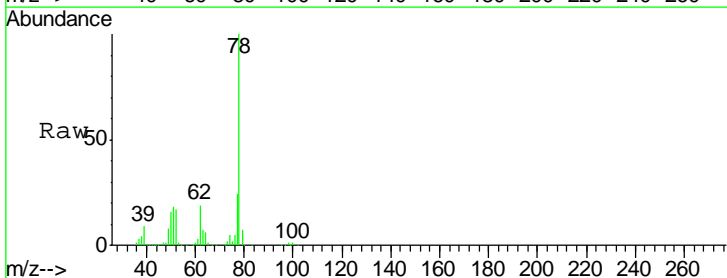
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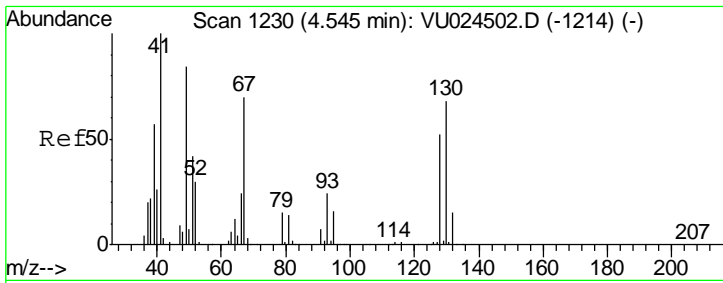
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#40
 Benzene
 Concen: 59.95 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
78	535900		
78	100		
77	24.0	19.2	28.8





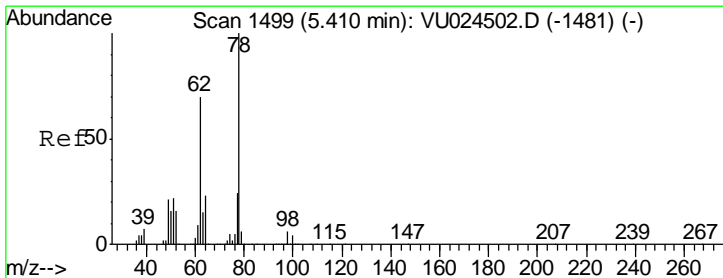
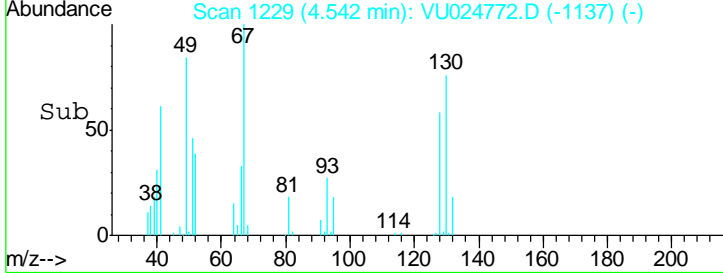
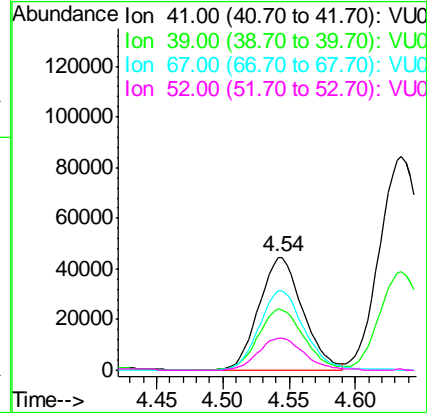
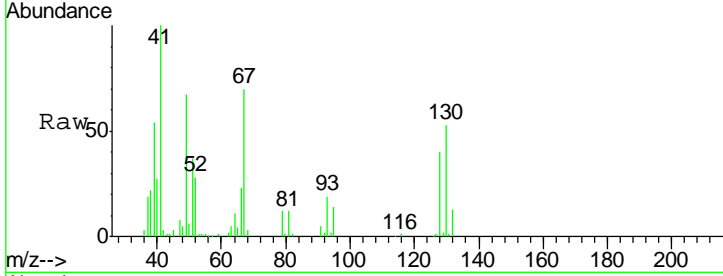
#41
 Methacrylonitrile
 Concen: 55.74 ug/l
 RT: 4.54 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

Tgt Ion	Resp	Lower	Upper
41	102757		
39	56.9	43.8	65.6
67	72.9	56.3	84.5
52	29.7	23.2	34.8

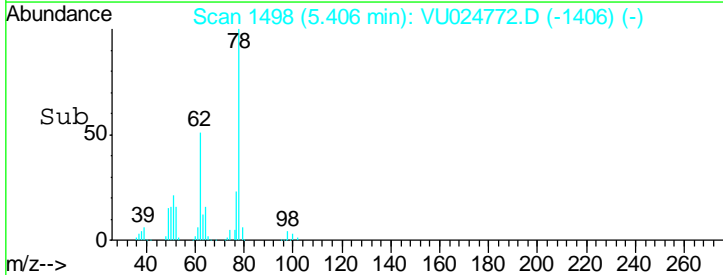
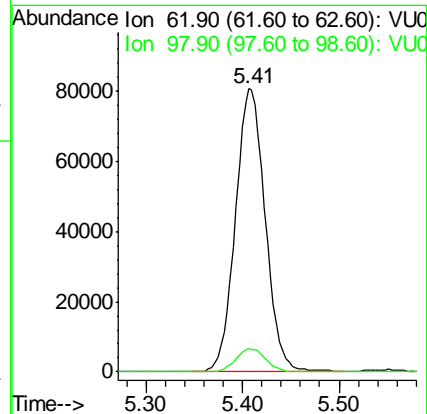
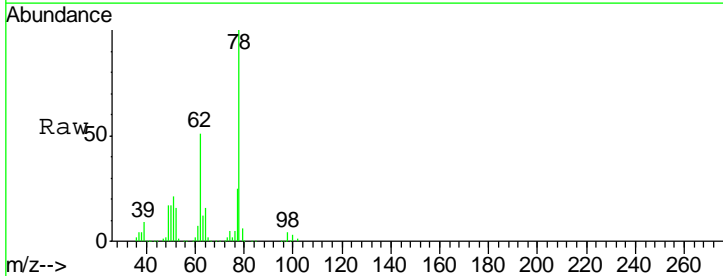
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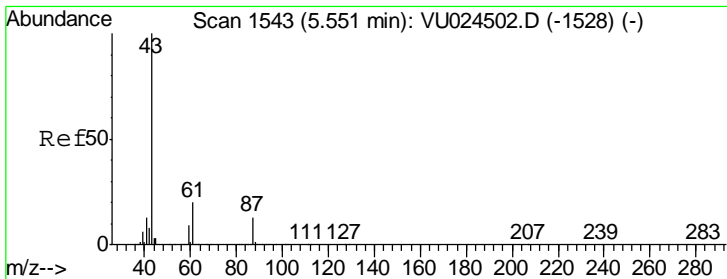
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#42
 1,2-Dichloroethane
 Concen: 50.69 ug/l
 RT: 5.41 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
62	172580		
98	8.2	0.0	16.6





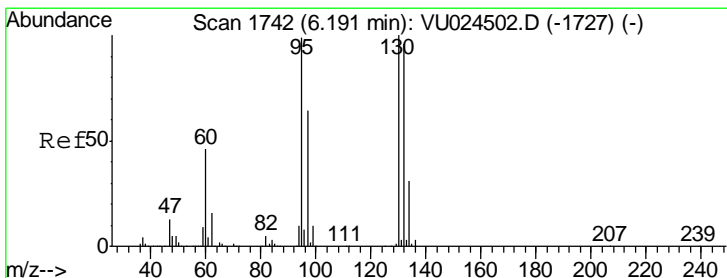
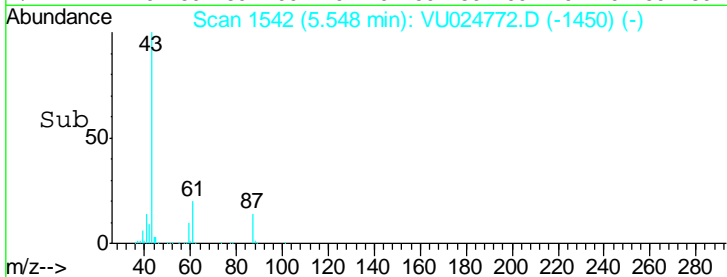
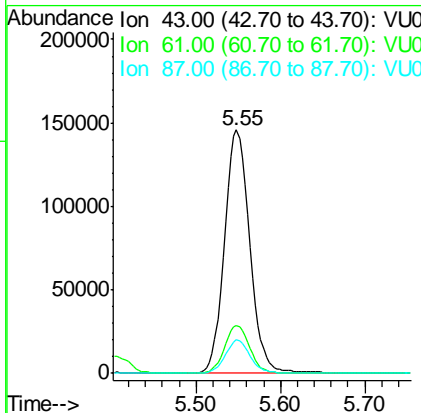
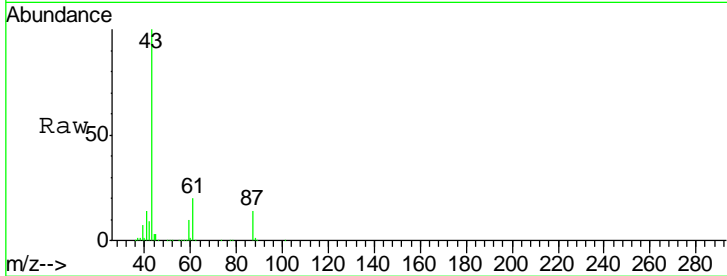
#43
 Isopropyl Acetate
 Concen: 51.28 ug/l
 RT: 5.55 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.6	15.4	23.0
87	13.5	10.0	15.0

Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

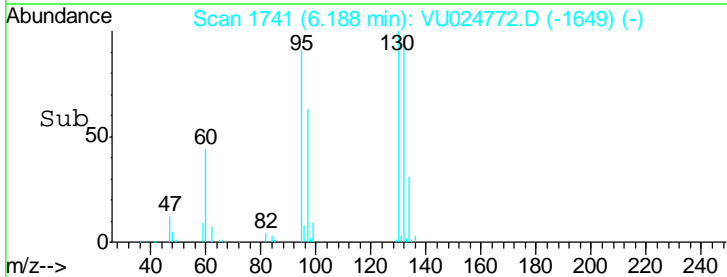
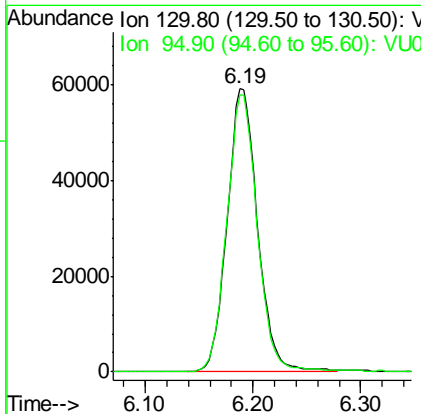
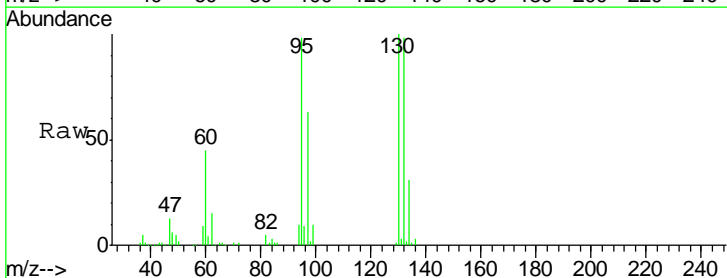
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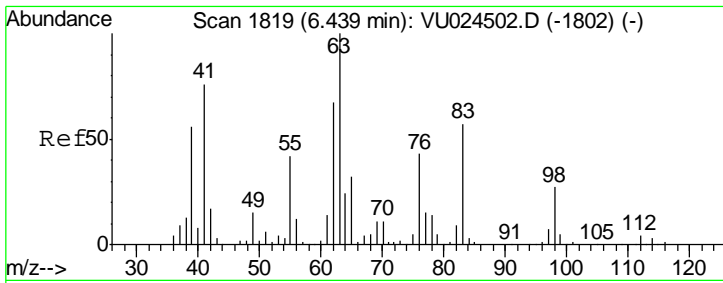
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#44
 Trichloroethene
 Concen: 45.73 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
130	100		
95	97.7	0.0	202.4



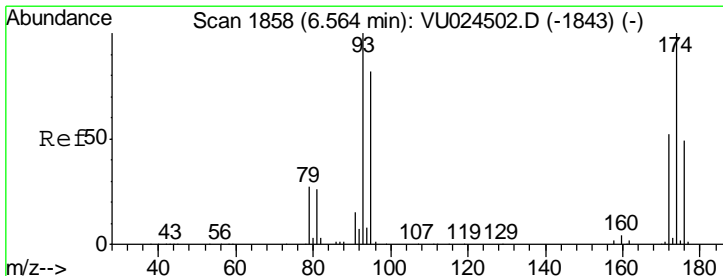
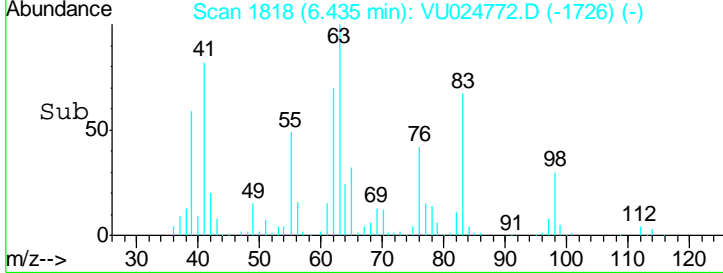
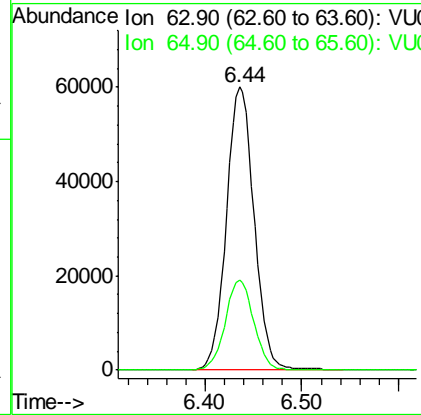
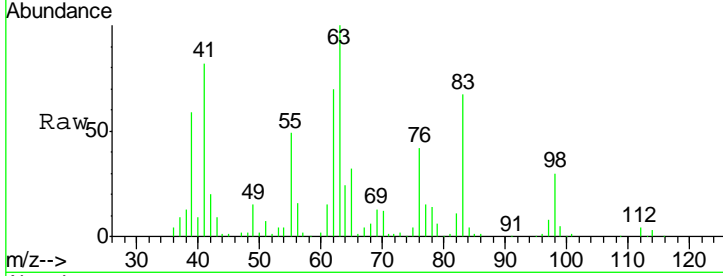


#45
 1,2-Dichloropropane
 Concen: 50.12 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

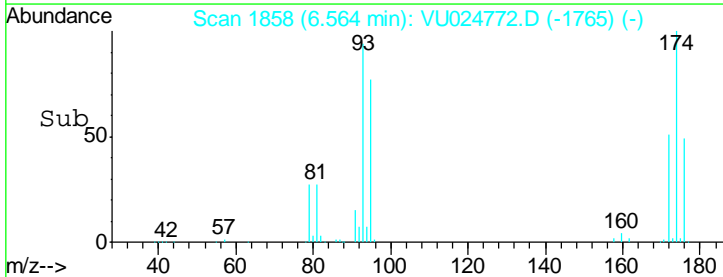
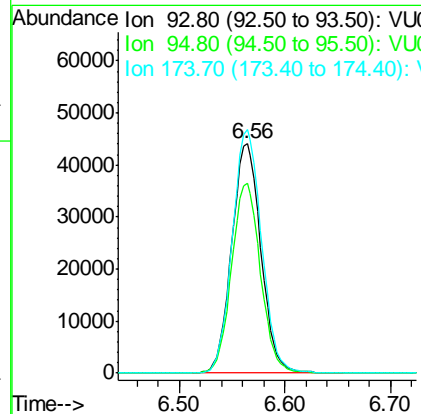
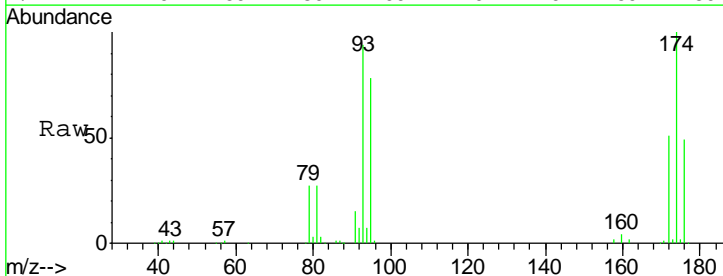
Tgt Ion: 63 Resp: 119545
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2

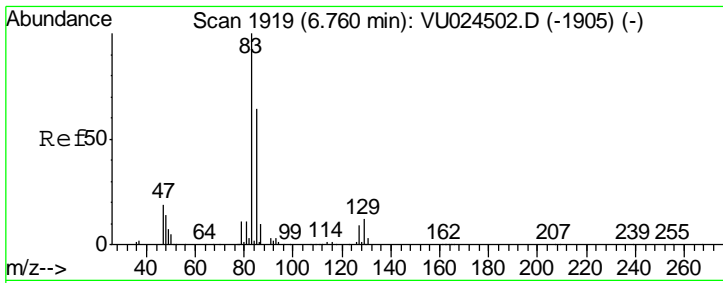
Manual Integrations
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 apatel
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#46
 Dibromomethane
 Concen: 50.51 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion: 93 Resp: 84631
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.5 98.3
 174 106.0 78.7 118.1





#47

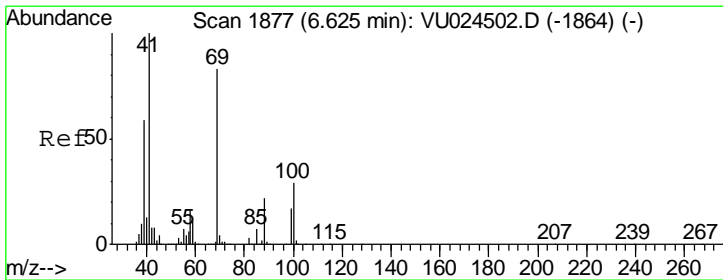
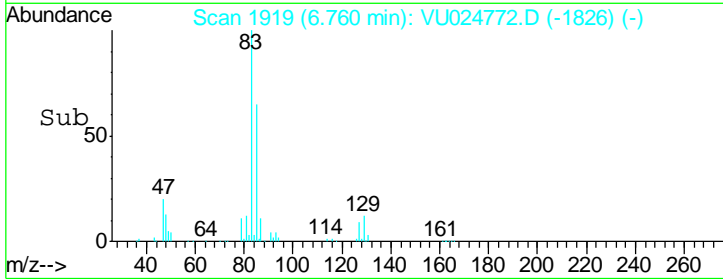
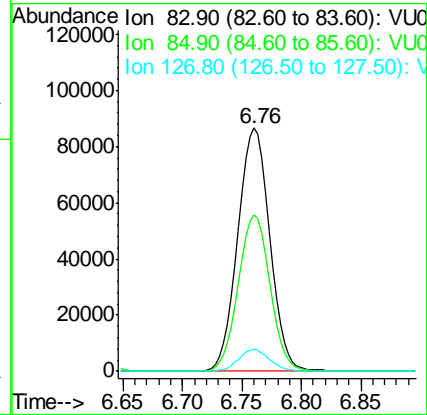
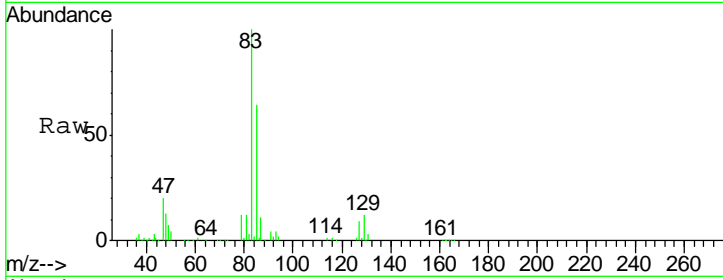
Bromodichloromethane
 Concen: 48.64 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

Tgt Ion	Resp	Lower	Upper
83	162289		
83	100		
85	64.3	51.9	77.9
127	9.0	6.6	9.8

Manual Integrations
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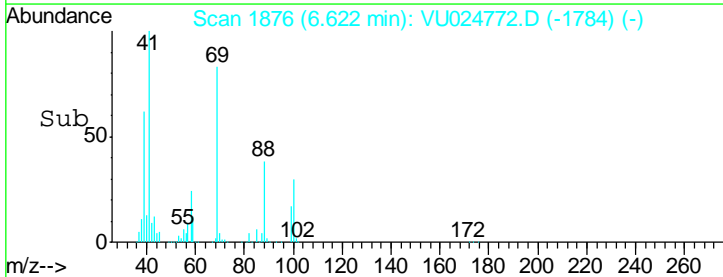
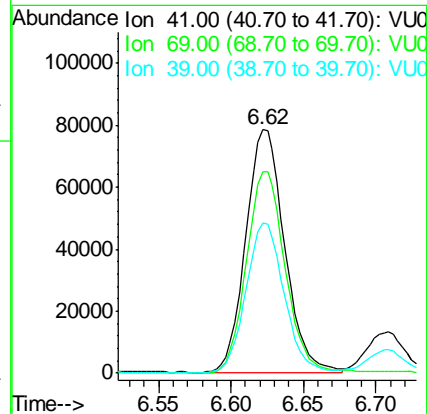
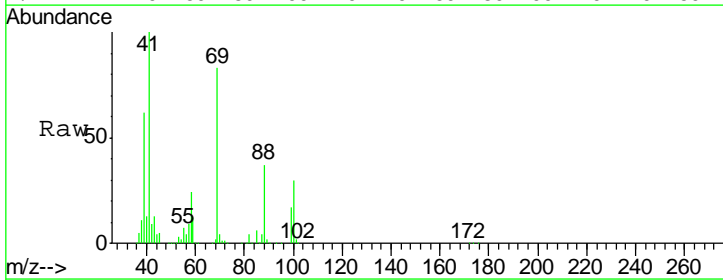
apatel
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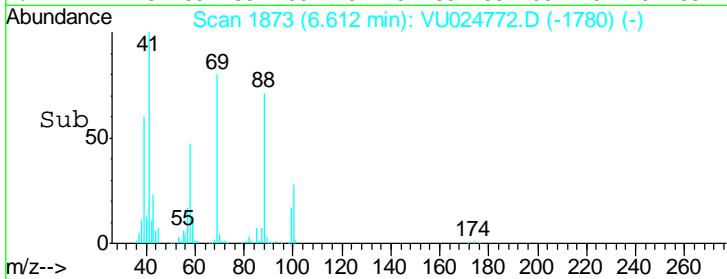
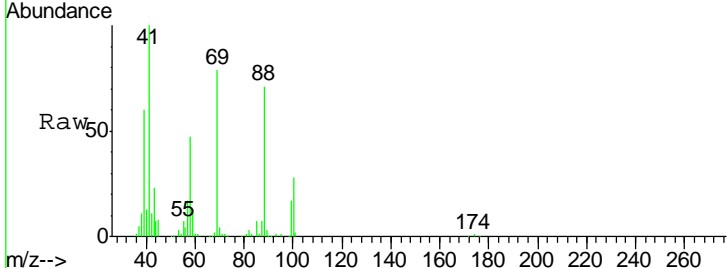
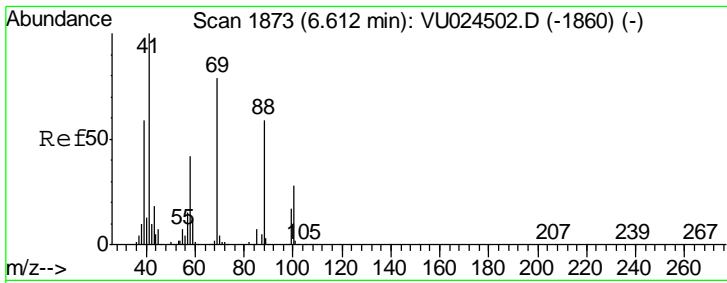


#48

Methyl methacrylate
 Concen: 50.51 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
41	145384		
41	100		
69	83.9	67.3	100.9
39	60.5	46.5	69.7



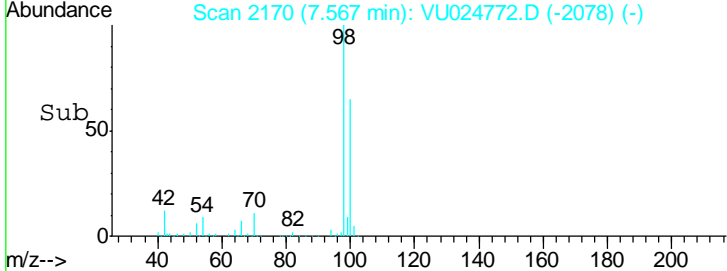
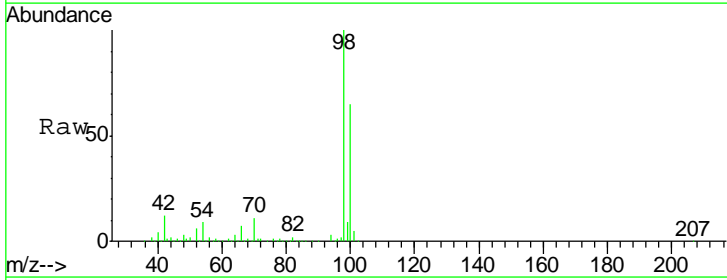
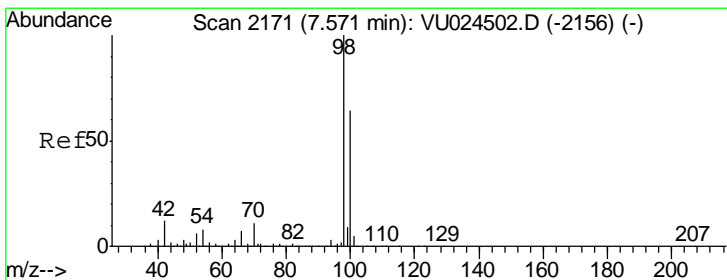
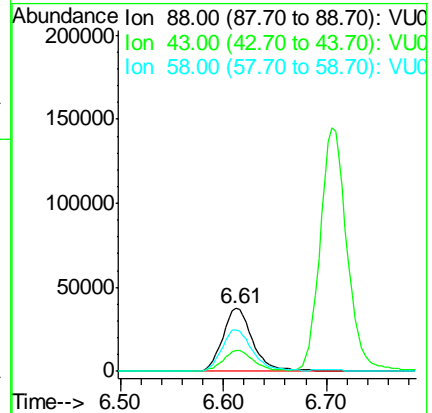


#49
 1,4-Dioxane
 Concen: 1327.67 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
88	74728		
88	100		
43	32.7	28.6	42.8
58	69.0	58.2	87.4

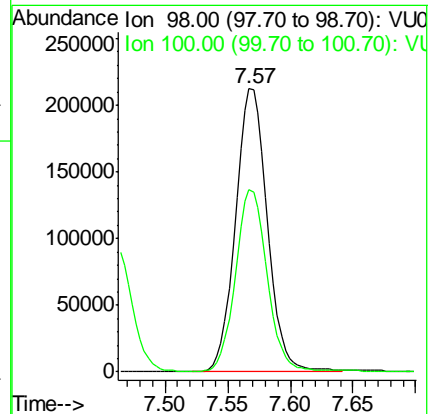
Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

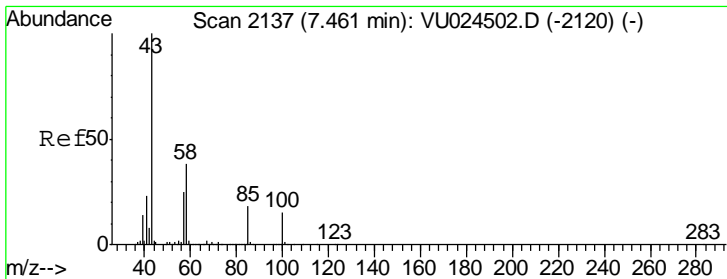
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#50
 Toluene-d8
 Concen: 46.37 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
98	374776		
98	100		
100	63.4	51.1	76.7





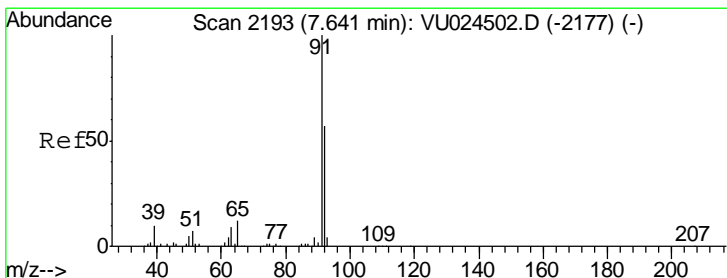
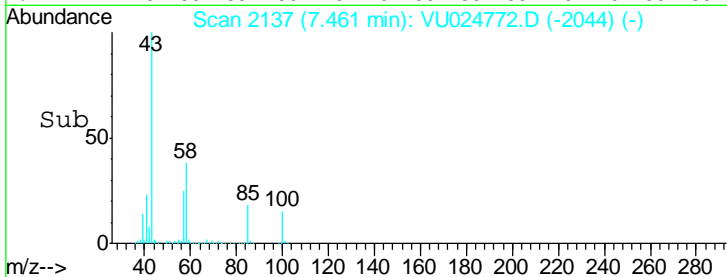
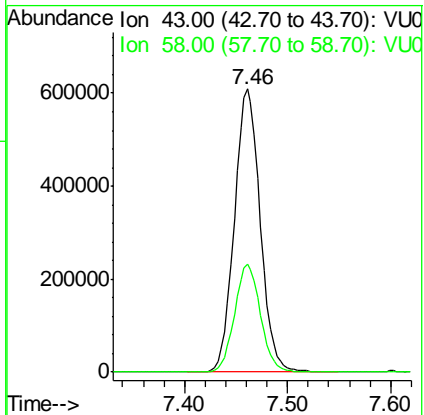
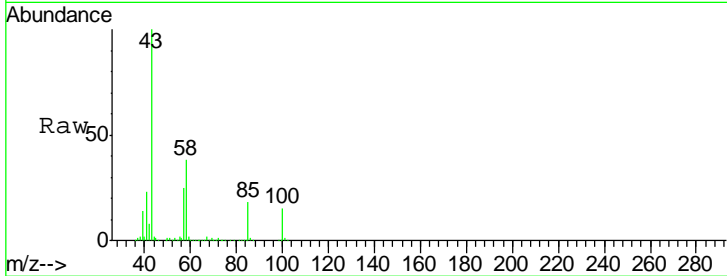
#51
 4-Methyl-2-Pentanone
 Concen: 285.66 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

Tgt Ion	Resp	Lower	Upper
43	1060765		
43	100		
58	38.3	30.0	45.0

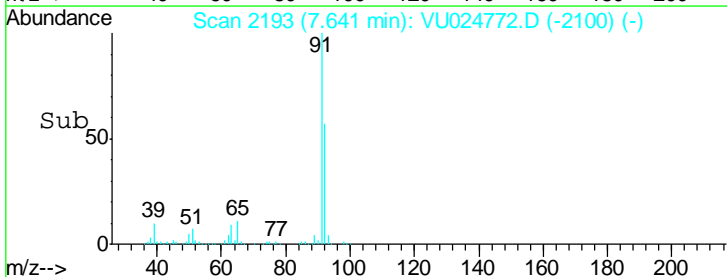
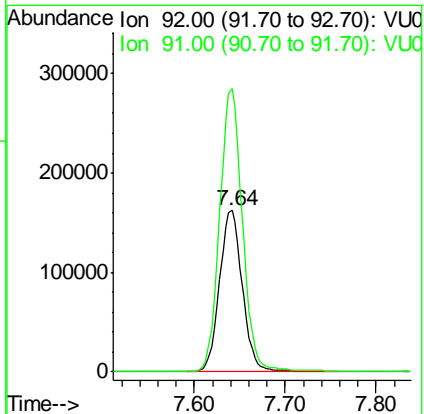
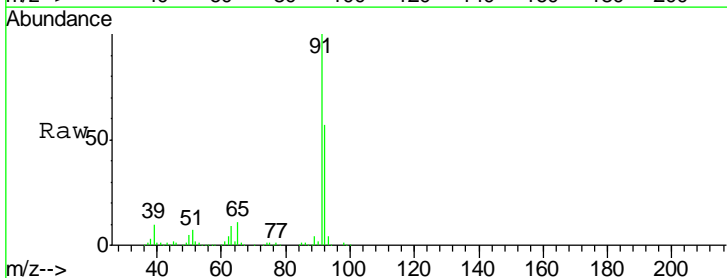
Manual Integrations
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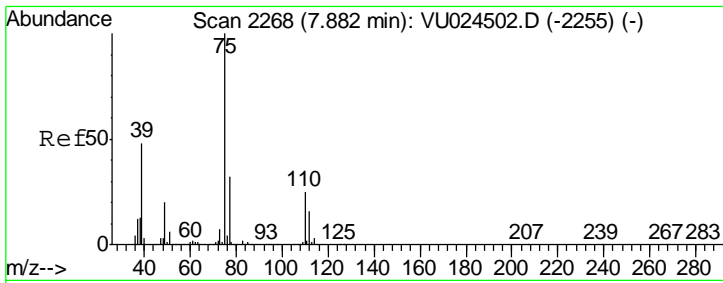
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#52
 Toluene
 Concen: 49.52 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
92	284817		
92	100		
91	175.1	140.5	210.7



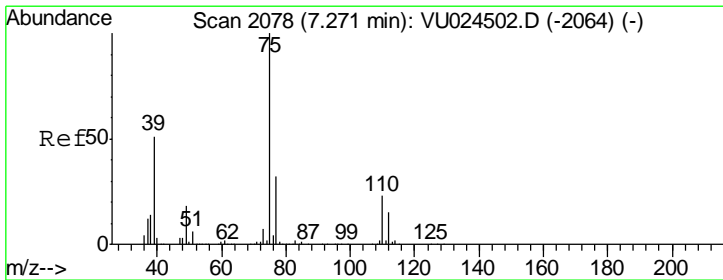
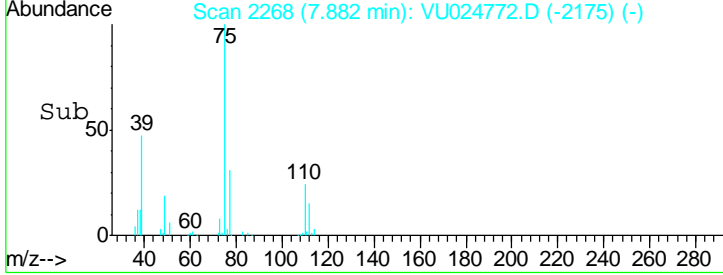
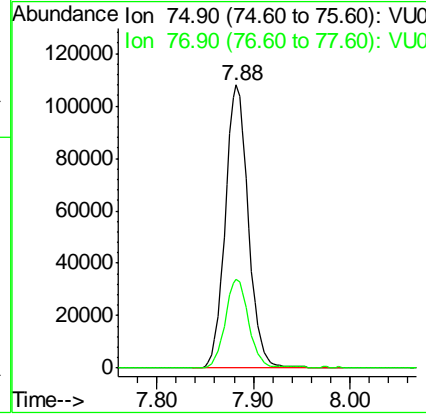
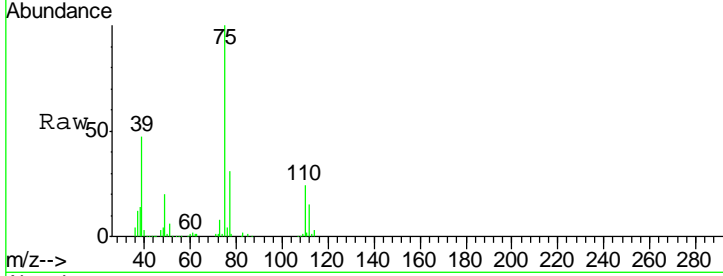


#53
 t-1,3-Dichloropropene
 Concen: 47.60 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

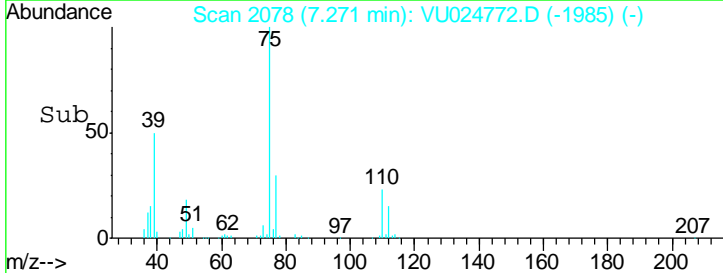
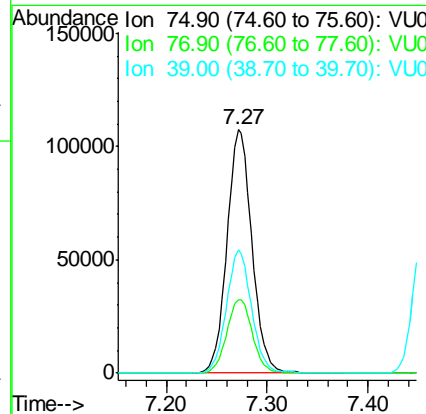
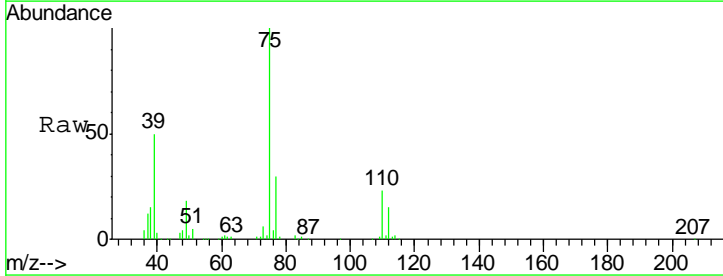
Tgt Ion	Resp	Lower	Upper
75	178338		
75	100		
77	31.4	24.8	37.2

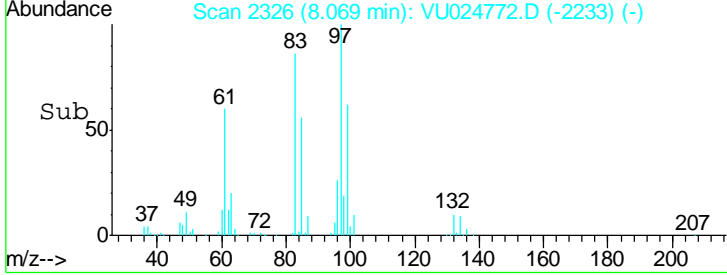
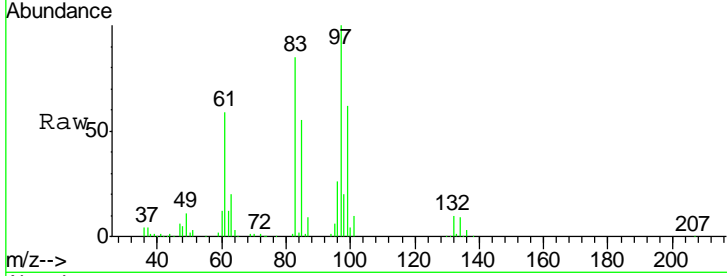
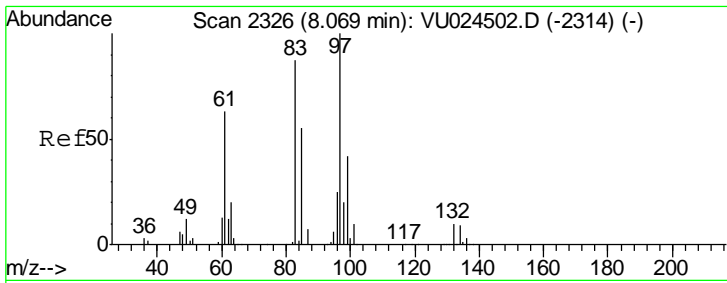
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 46.59 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
75	185997		
75	100		
77	30.4	24.6	36.8
39	50.5	39.8	59.6



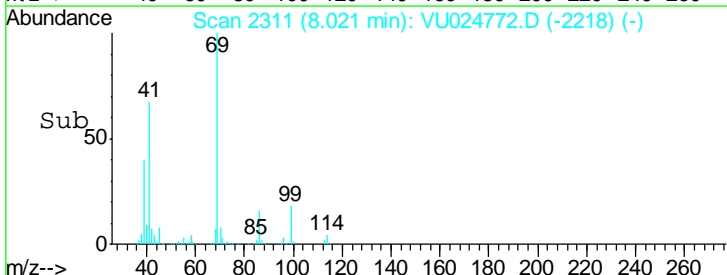
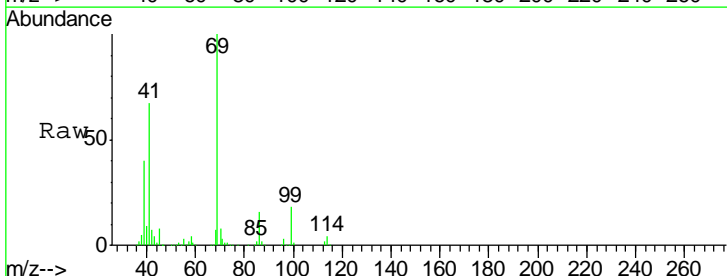
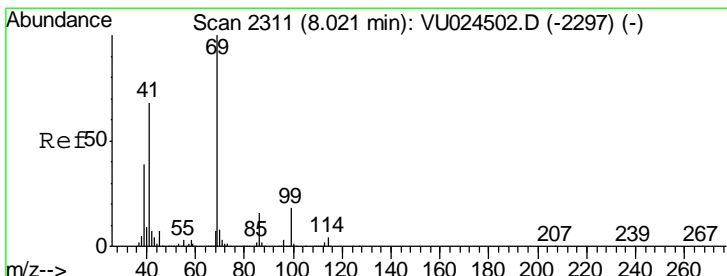
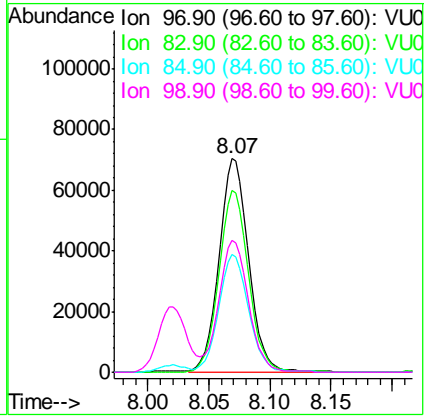


#55
 1,1,2-Trichloroethane
 Concen: 50.86 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
97	118902		
97	100		
83	85.1	70.5	105.7
85	55.2	46.4	69.6
99	61.8	50.2	75.2

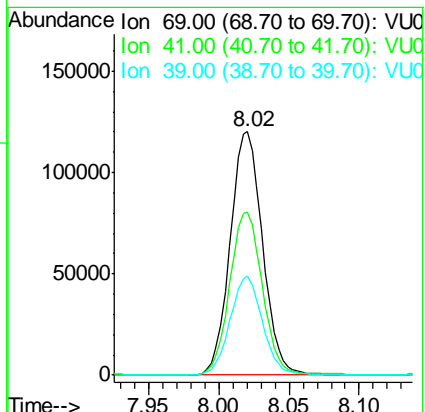
Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

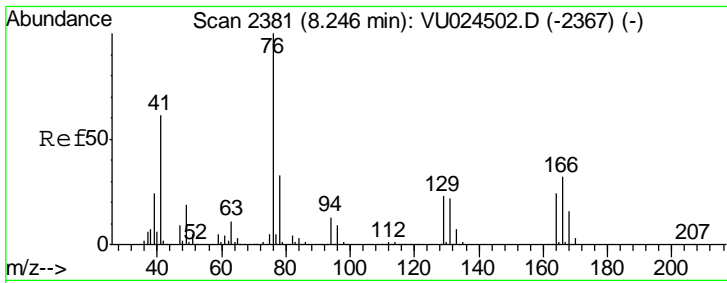
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 49.45 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
69	193486		
69	100		
41	67.4	54.1	81.1
39	40.1	30.3	45.5



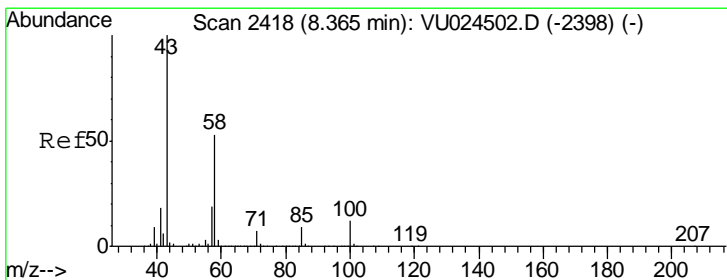
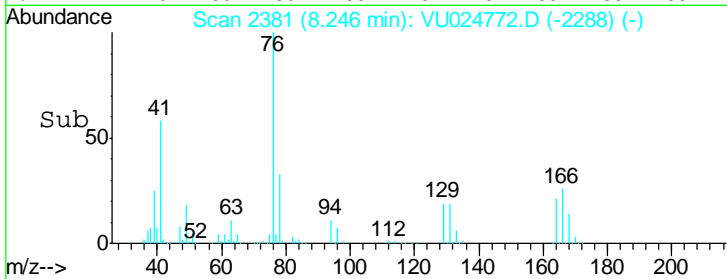
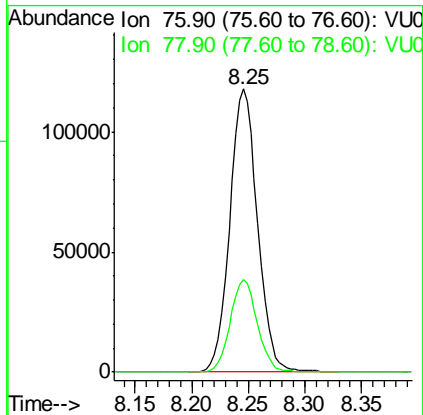
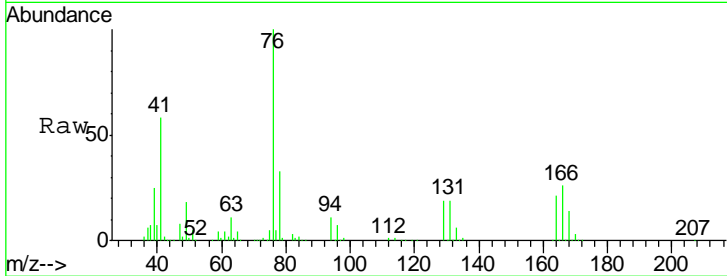


#57
 1,3-Dichloropropane
 Concen: 50.84 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
76	200497		
76	100		
78	32.0	25.2	37.8

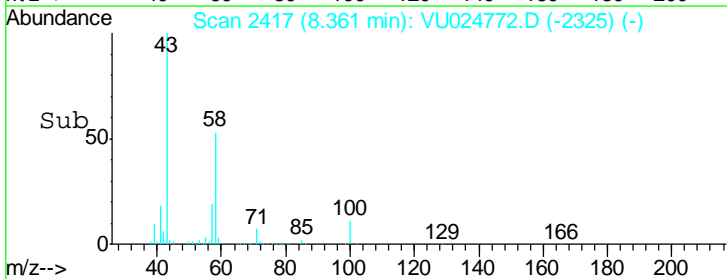
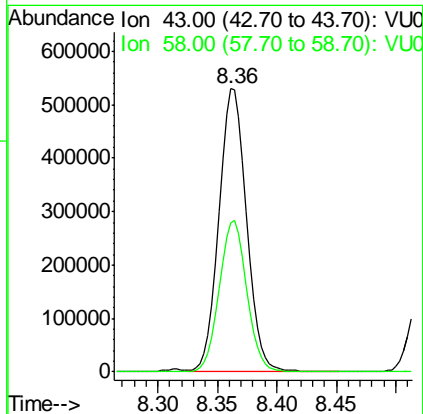
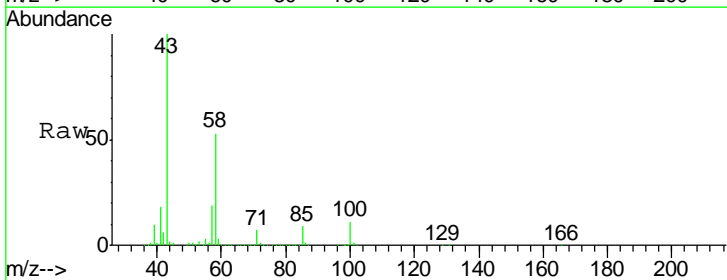
Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

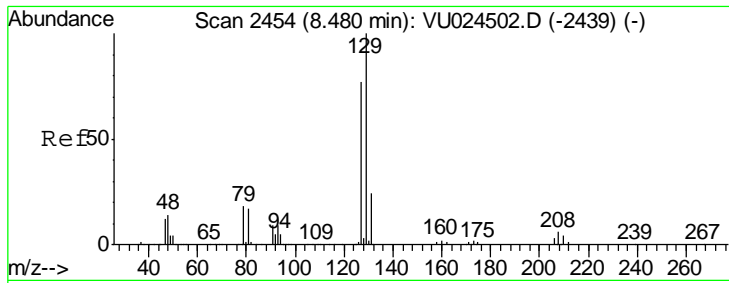
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#59
 2-Hexanone
 Concen: 279.71 ug/l
 RT: 8.36 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
43	847957		
43	100		
58	53.6	26.4	79.0





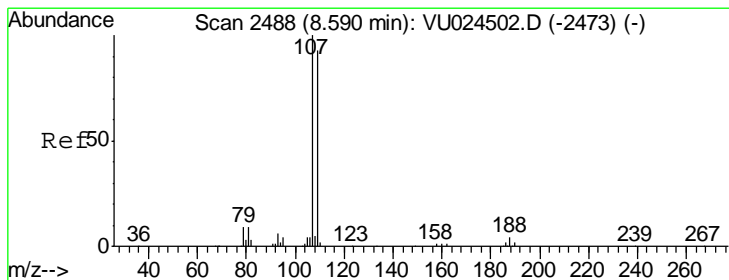
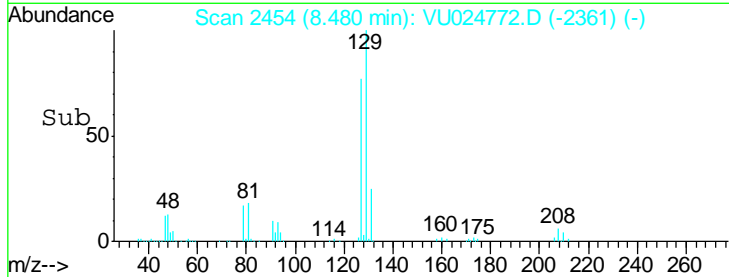
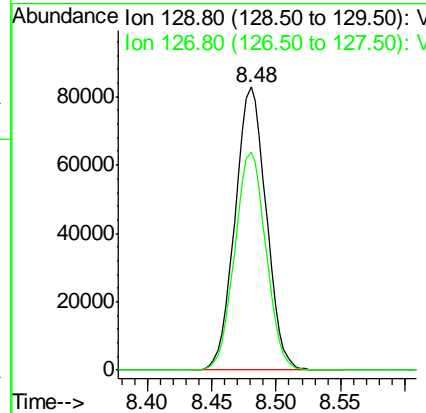
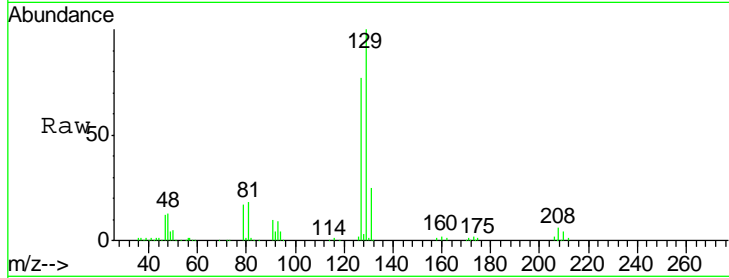
#60
 Dibromochloromethane
 Concen: 47.73 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

Tgt Ion	Resp	Lower	Upper
129	139157		
127	77.0	38.6	116.0

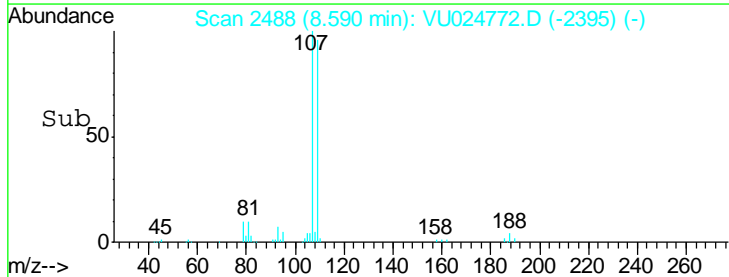
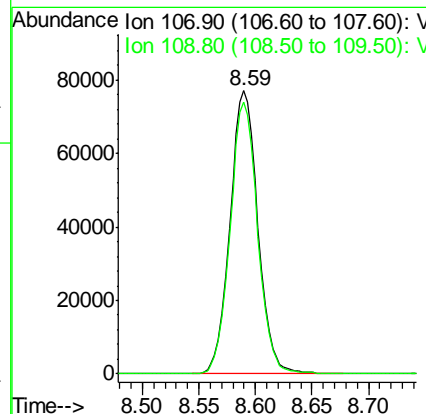
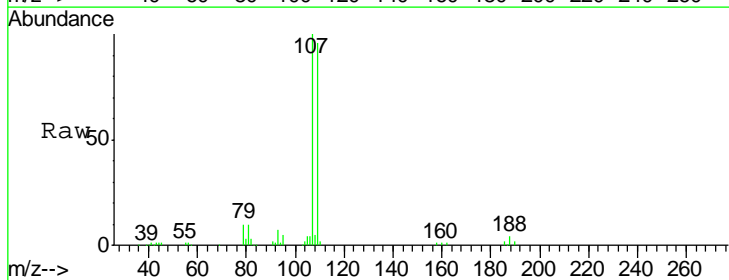
Manual Integrations
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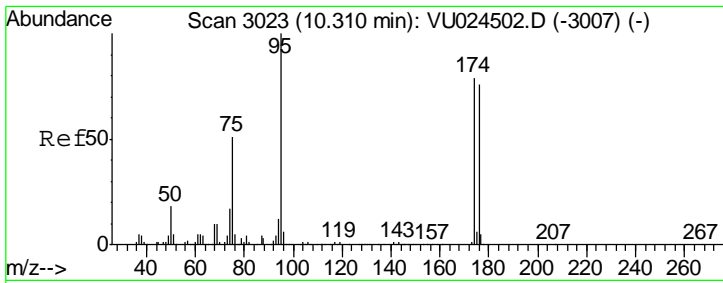
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#61
 1,2-Dibromoethane
 Concen: 50.67 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
107	131859		
109	94.8	74.5	111.7





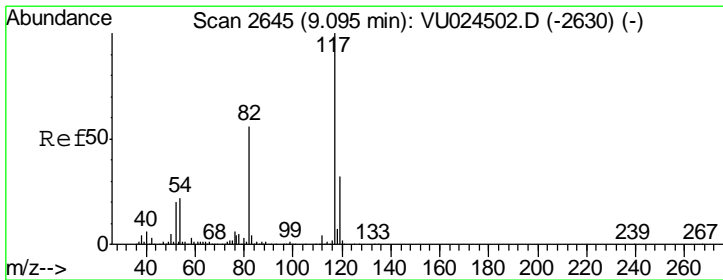
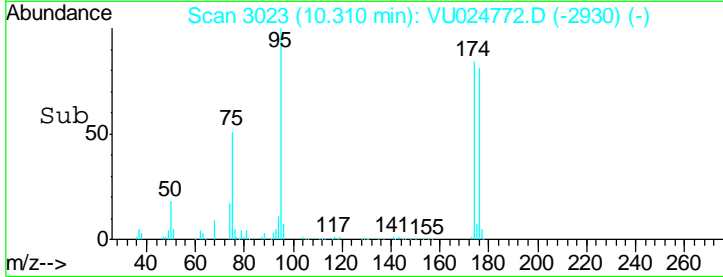
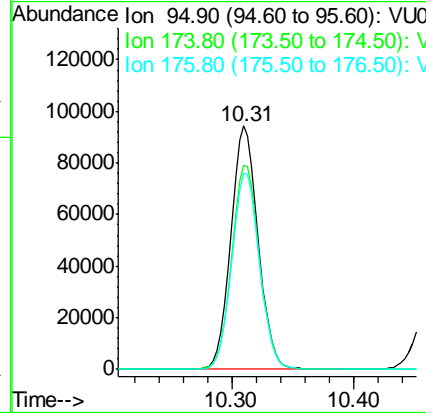
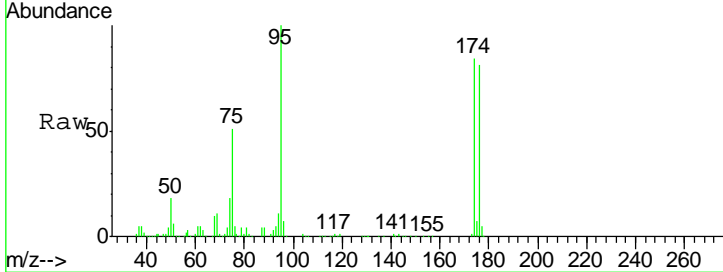
#62
 4-Bromofluorobenzene
 Concen: 45.92 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

Tgt Ion	Resp	Lower	Upper
95	147353		
95	100		
174	85.6	0.0	165.8
176	82.0	0.0	159.4

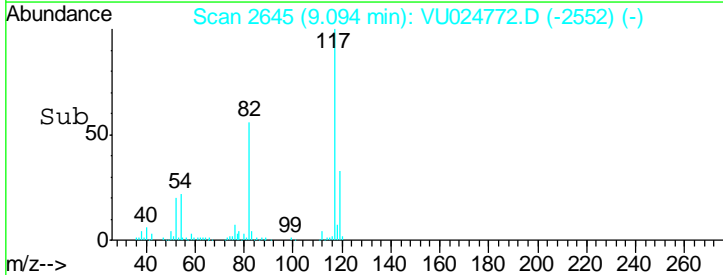
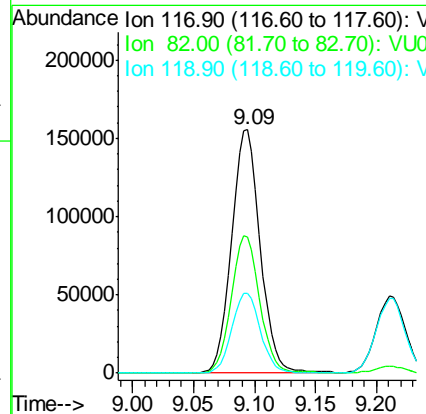
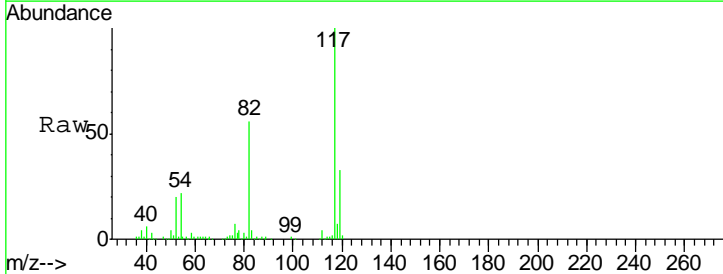
Manual Integrations
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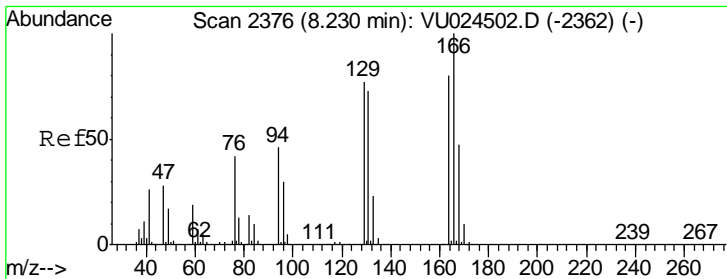
apatel
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#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

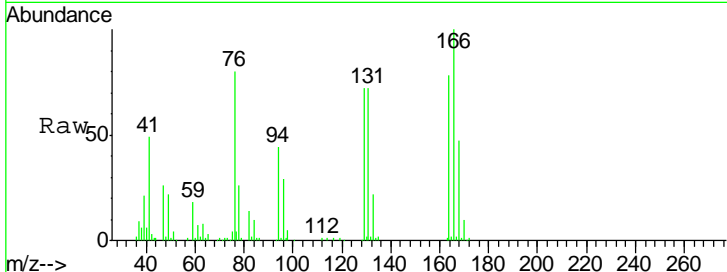
Tgt Ion	Resp	Lower	Upper
117	255679		
117	100		
82	56.1	44.3	66.5
119	33.0	25.4	38.2





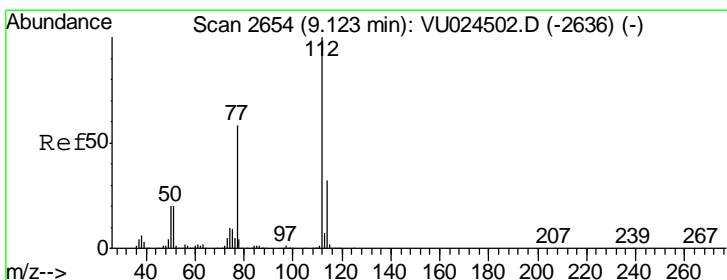
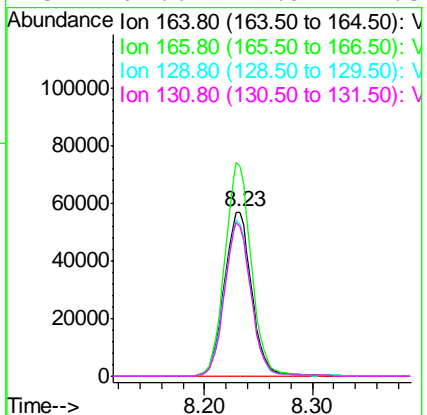
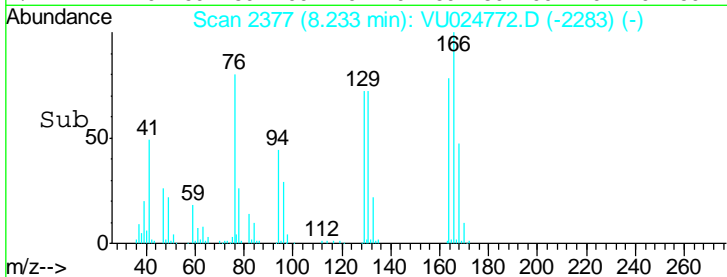
#64
 Tetrachloroethene
 Concen: 41.28 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD



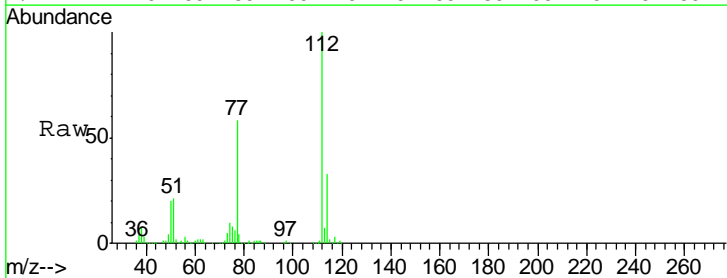
Tgt Ion	Resp	Lower	Upper
164	100		
166	128.1	101.7	152.5
129	92.8	76.9	115.3
131	91.6	74.9	112.3

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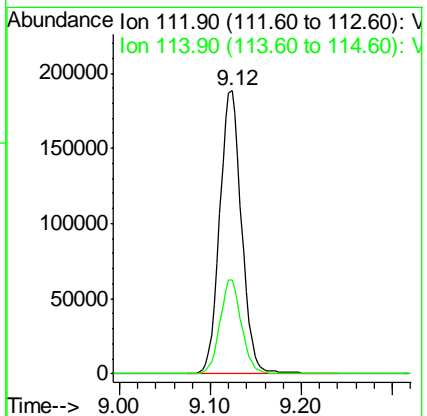
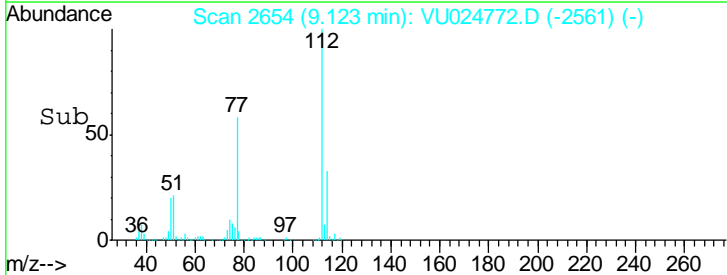


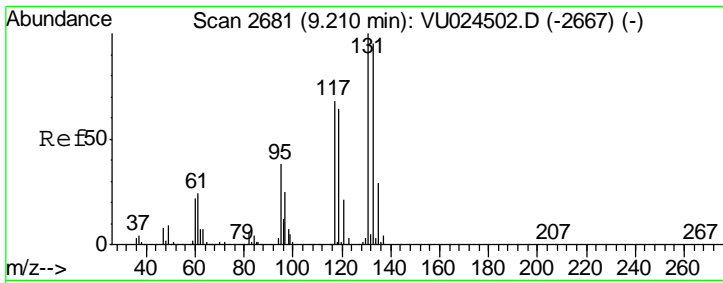
#65
 Chlorobenzene
 Concen: 48.14 ug/l
 RT: 9.12 min Scan# 2654
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD



Tgt Ion	Resp	Lower	Upper
112	100		
114	33.1	25.6	38.4



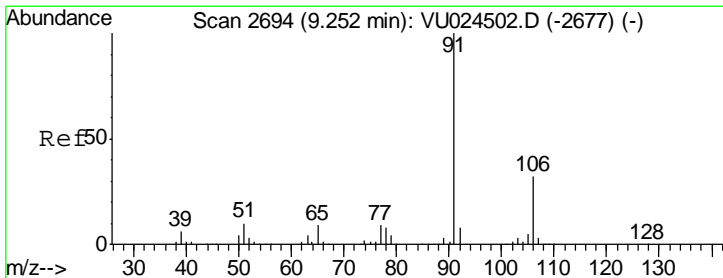
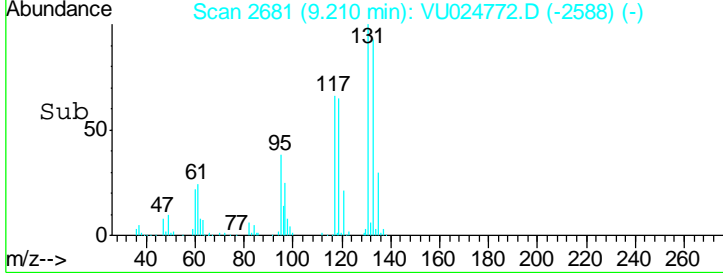
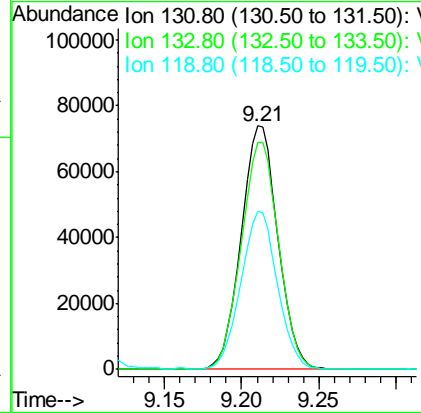
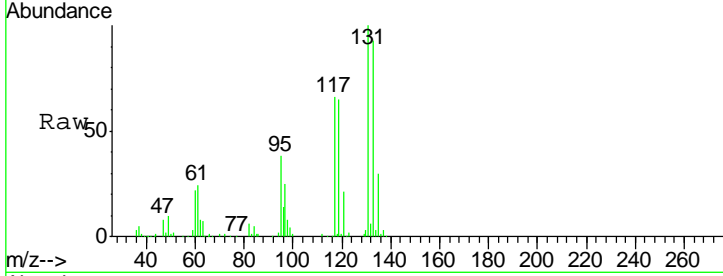


#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.06 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

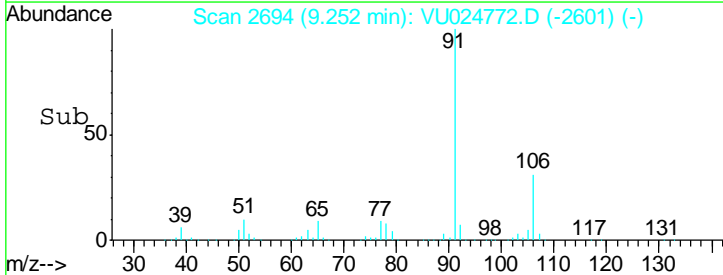
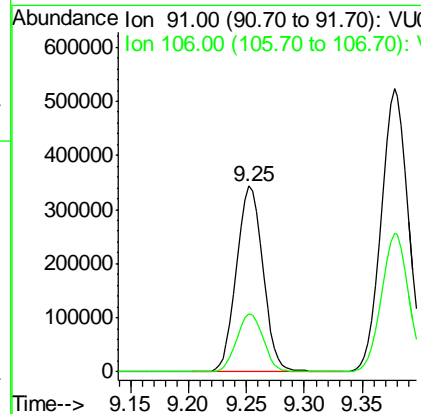
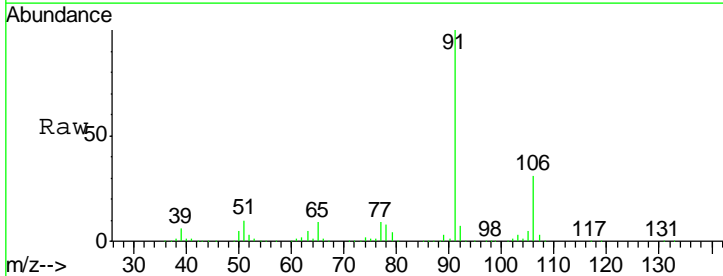
Tgt Ion	Resp	Lower	Upper
131	121755		
133	95.1	46.9	140.8
119	64.7	33.5	100.4

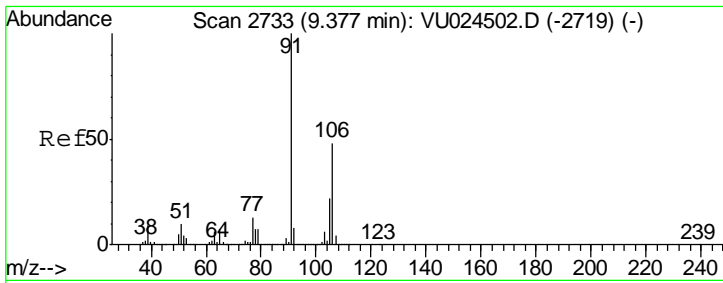
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#67
 Ethyl Benzene
 Concen: 47.51 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
91	543973		
106	31.1	24.2	36.4



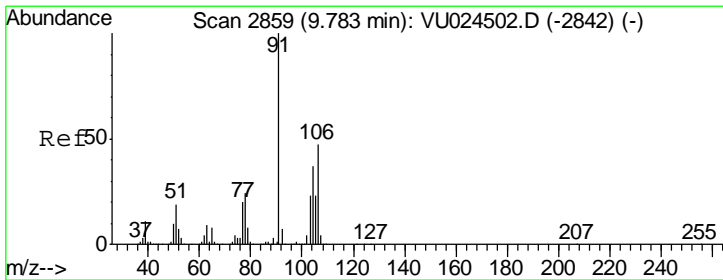
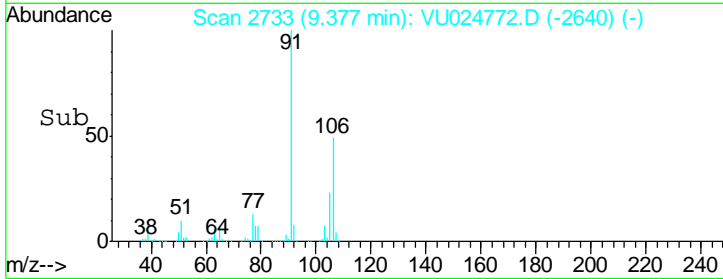
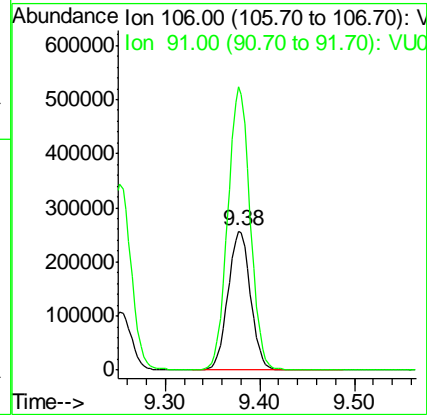
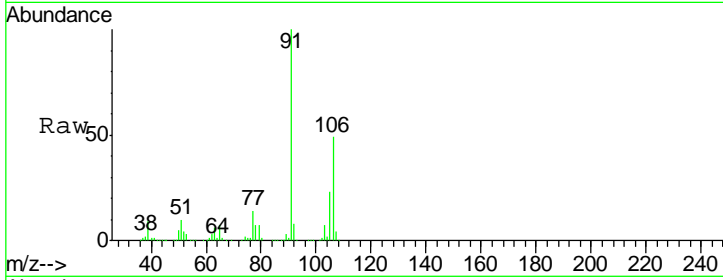


#68
 m/p-Xylenes
 Concen: 96.91 ug/l
 RT: 9.38 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

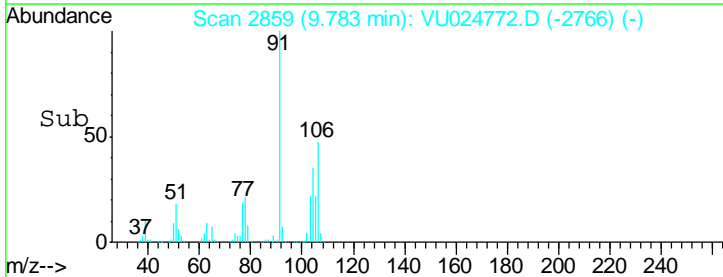
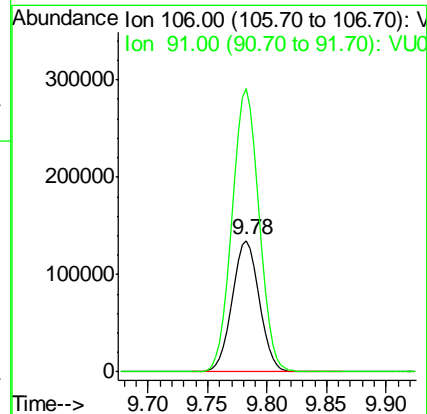
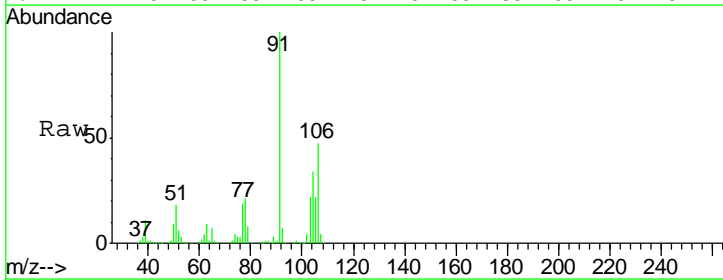
Tgt Ion	Resp	Lower	Upper
106	426133		
106	100		
91	201.4	166.5	249.7

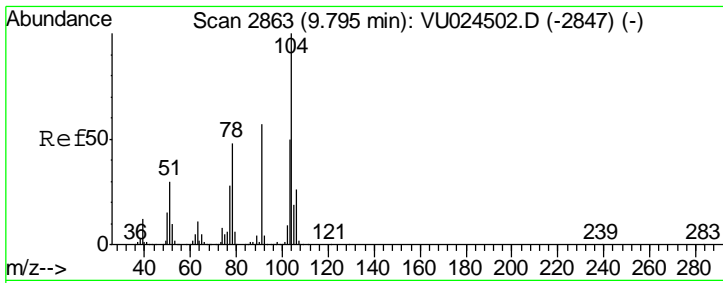
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#69
 o-Xylene
 Concen: 48.99 ug/l
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

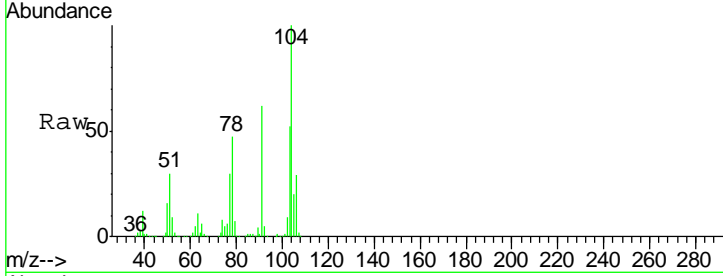
Tgt Ion	Resp	Lower	Upper
106	213164		
106	100		
91	215.2	110.7	331.9





#70
 Styrene
 Concen: 46.18 ug/l
 RT: 9.80 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

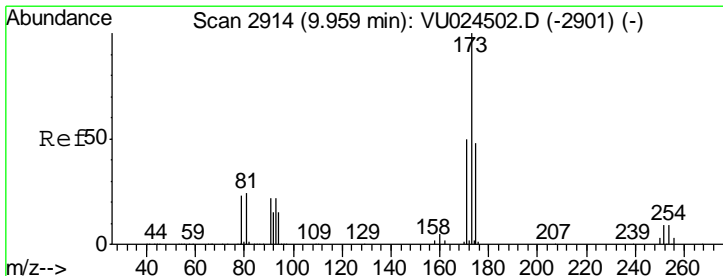
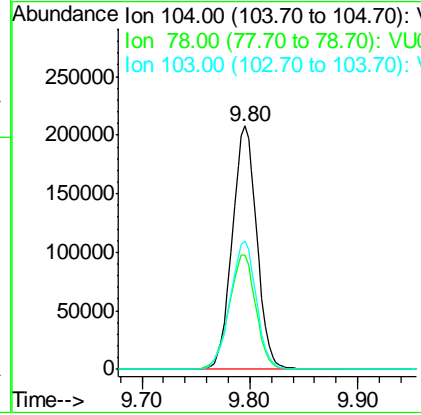
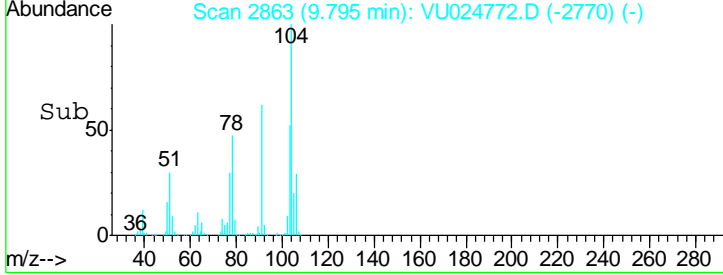
Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD



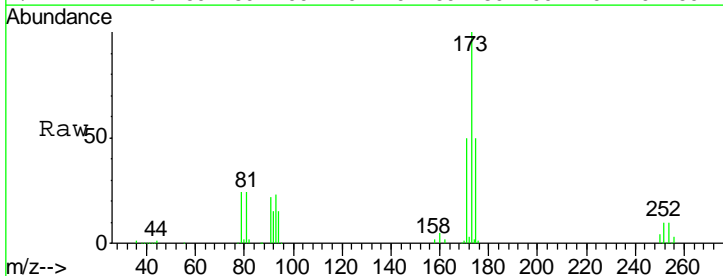
Tgt Ion: 104 Resp: 330254

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.6	60.8
103	56.2	44.7	67.1

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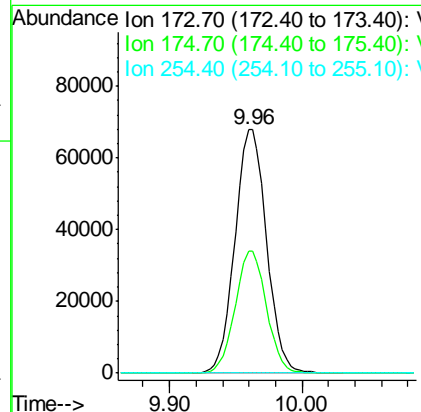
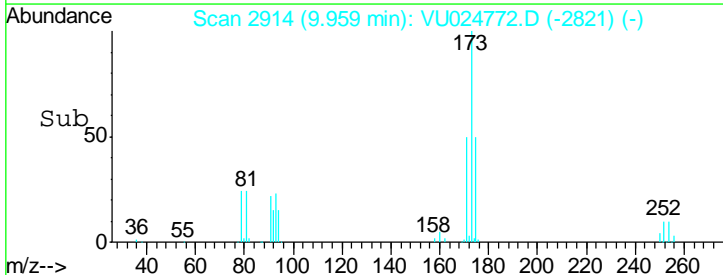


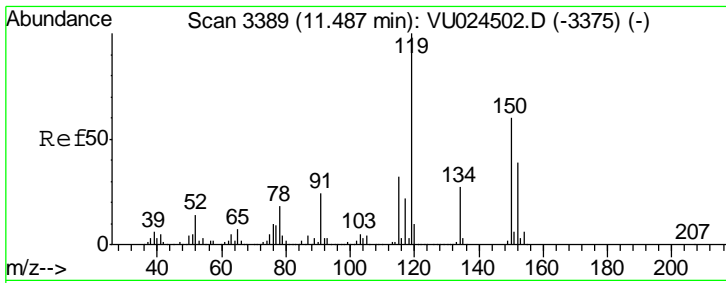
#71
 Bromoform
 Concen: 47.61 ug/l
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10



Tgt Ion: 173 Resp: 112304

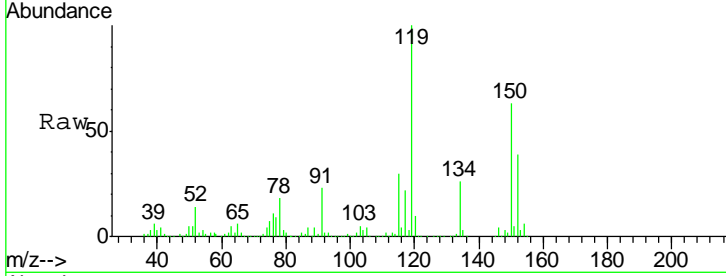
Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	74.0
254	0.1	0.0	0.0#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

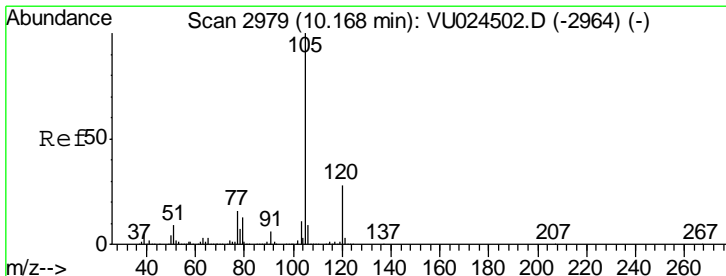
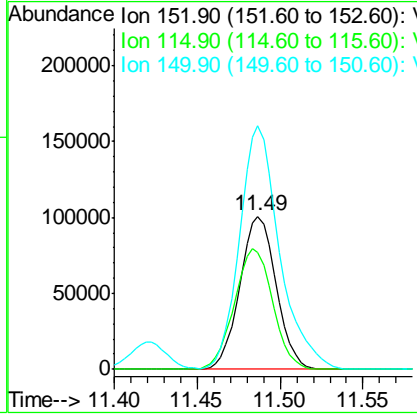
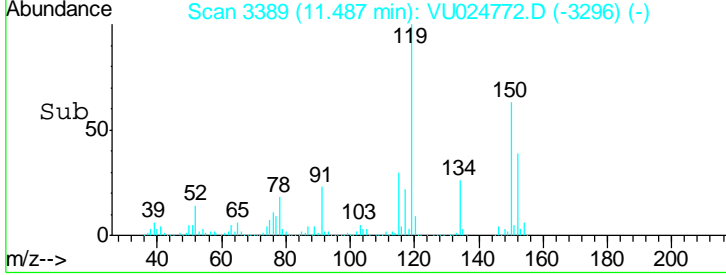
Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD



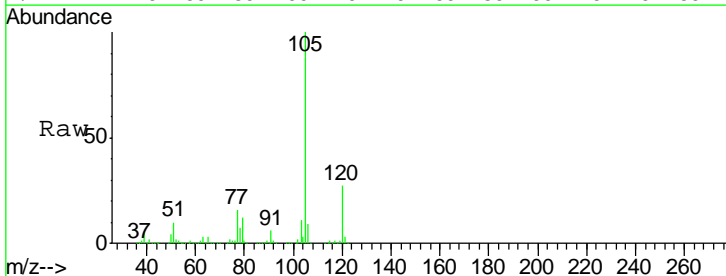
Tgt Ion: 152 Resp: 153491

Ion	Ratio	Lower	Upper
152	100		
115	82.9	43.0	129.0
150	175.0	0.0	354.0

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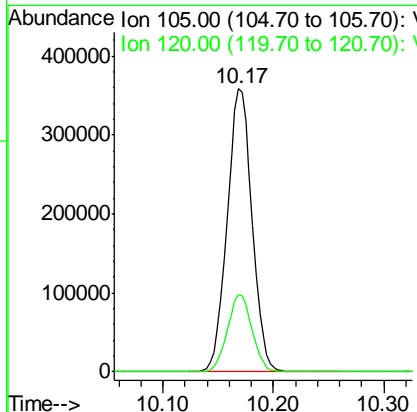
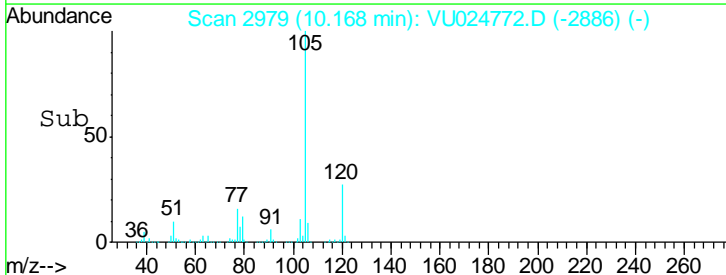


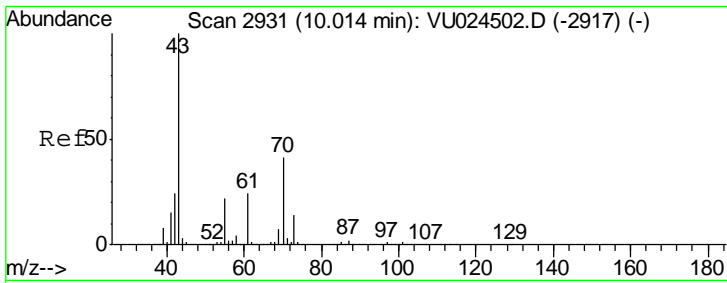
#73
 Isopropylbenzene
 Concen: 47.47 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10



Tgt Ion: 105 Resp: 559448

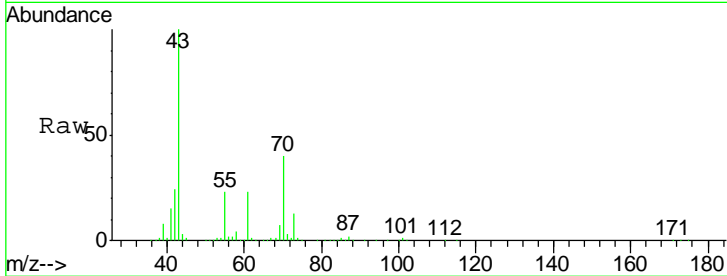
Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.2	39.6





#74
 N-amyl acetate
 Concen: 52.22 ug/l
 RT: 10.01 min Scan# 2931
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

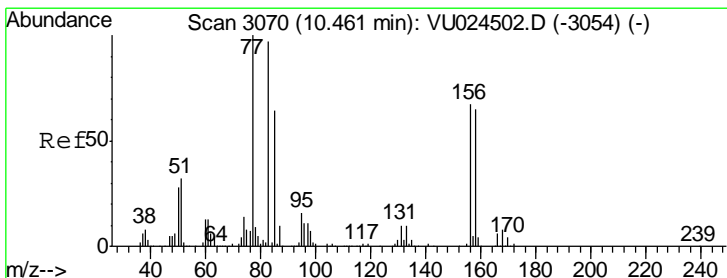
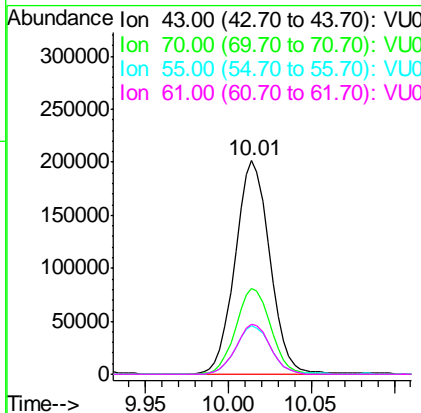
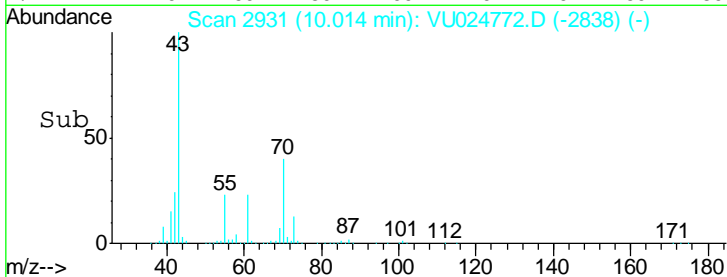
Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD



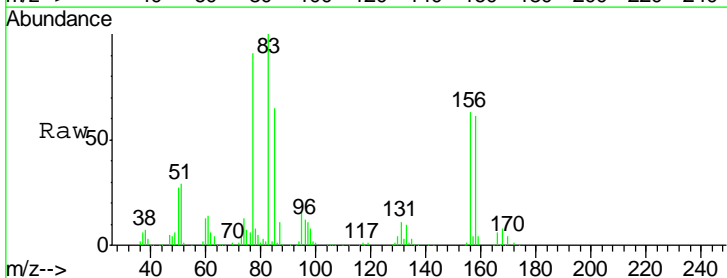
Tgt Ion: 43 Resp: 292683

Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.2	48.4
55	23.0	20.5	30.7
61	23.3	18.7	28.1

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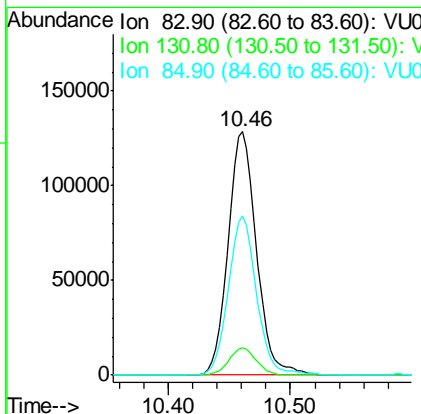
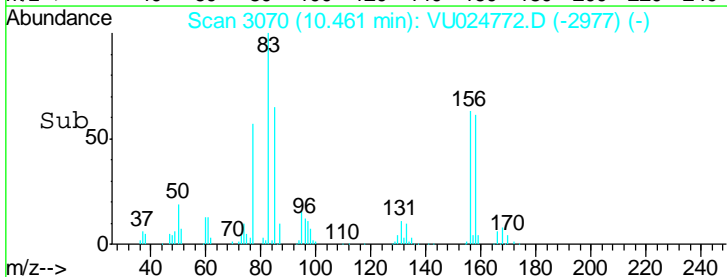


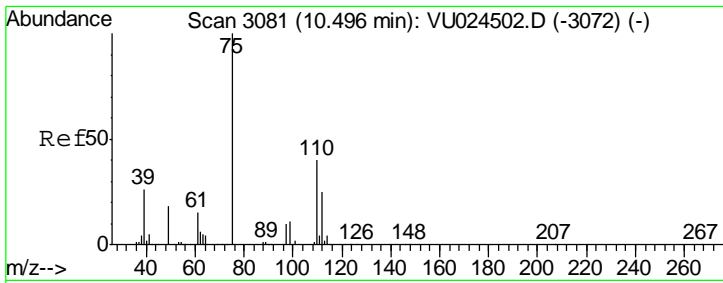
#75
 1,1,2,2-Tetrachloroethane
 Concen: 52.96 ug/l
 RT: 10.46 min Scan# 3070
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10



Tgt Ion: 83 Resp: 209132

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.7	14.1
85	65.1	32.5	97.5



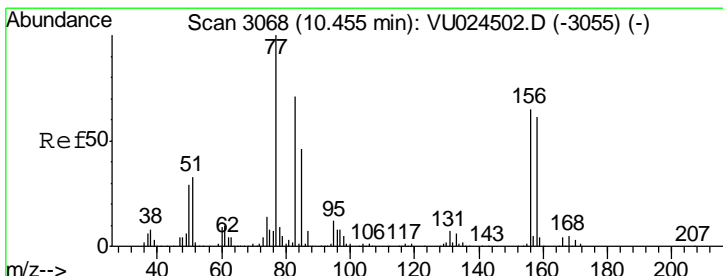
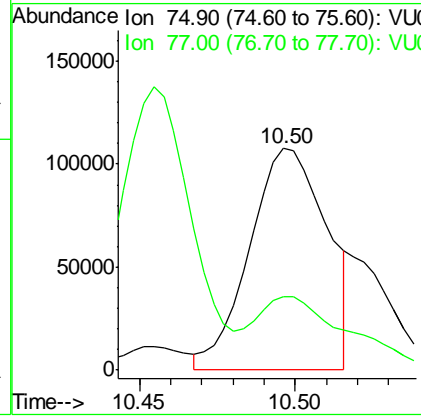
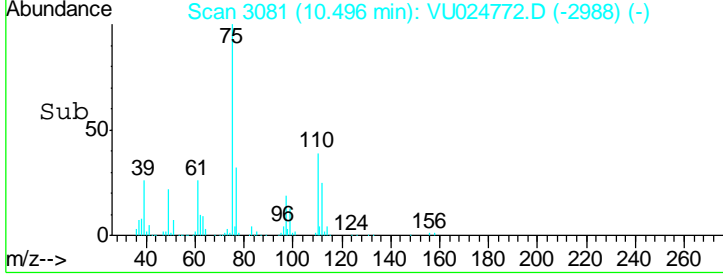
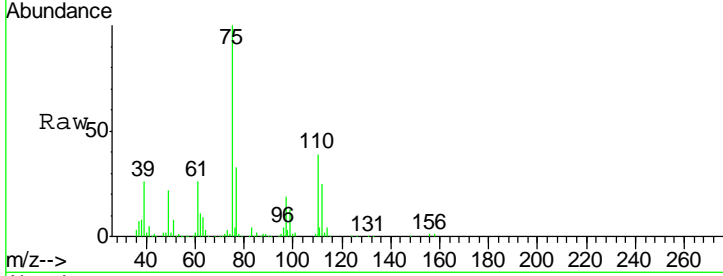


#76
 1,2,3-Trichloropropane
 Concen: 55.05 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 ClientSampled : TPTW-04MSD

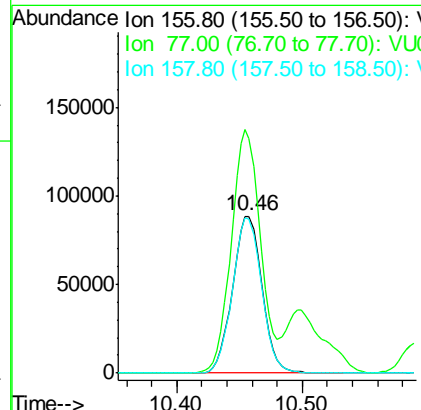
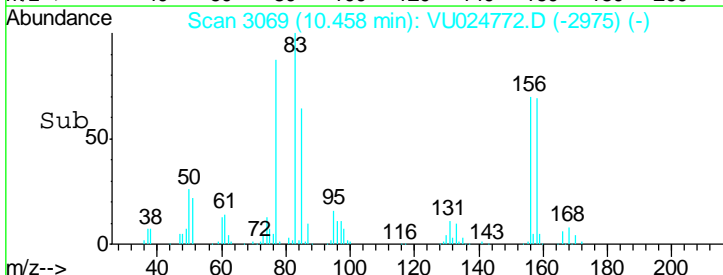
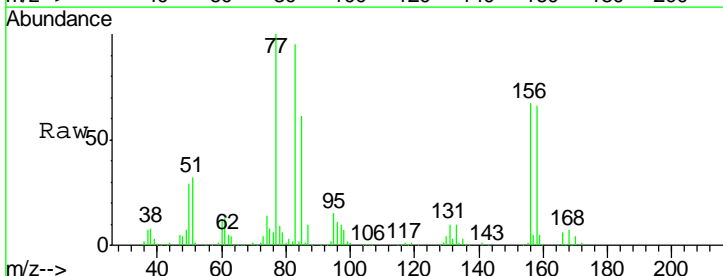
Tgt Ion	Resp	Lower	Upper
75	186045		
75	100		
77	38.7	20.9	62.7

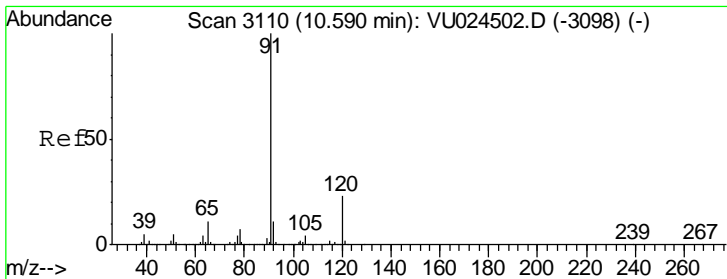
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#77
 Bromobenzene
 Concen: 48.22 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
156	143871		
156	100		
77	153.5	80.5	241.3
158	98.4	48.2	144.6





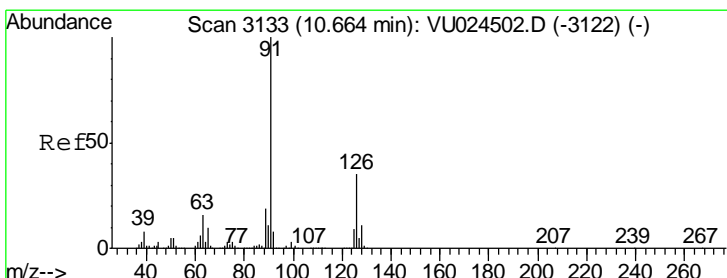
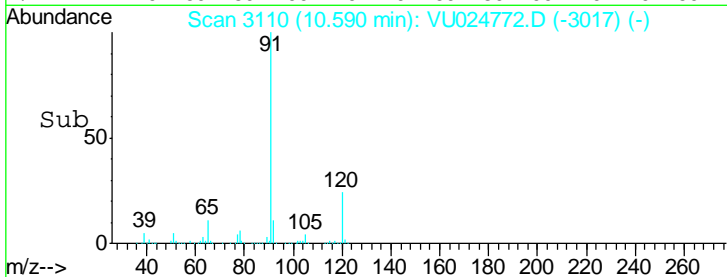
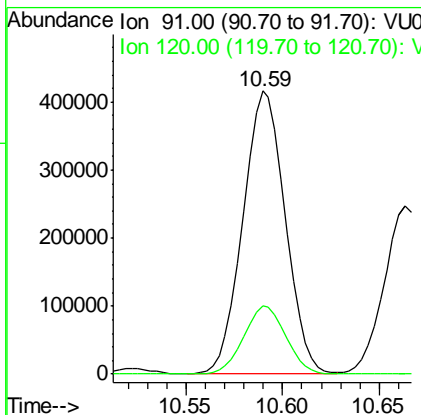
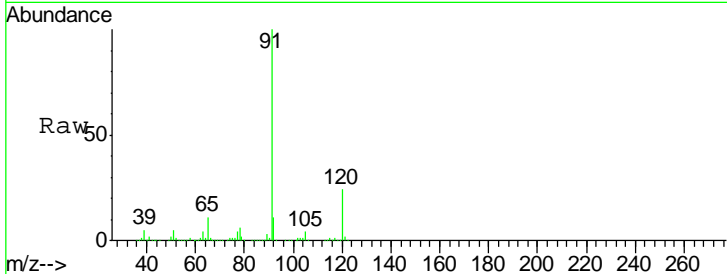
#78
 n-propylbenzene
 Concen: 45.64 ug/l
 RT: 10.59 min Scan# 3110
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

Tgt Ion	Resp	Lower	Upper
91	633558		
120	23.8	11.2	33.5

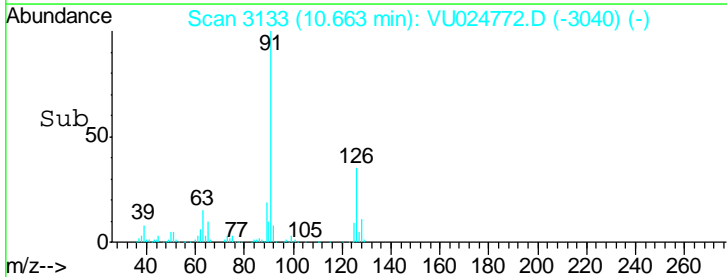
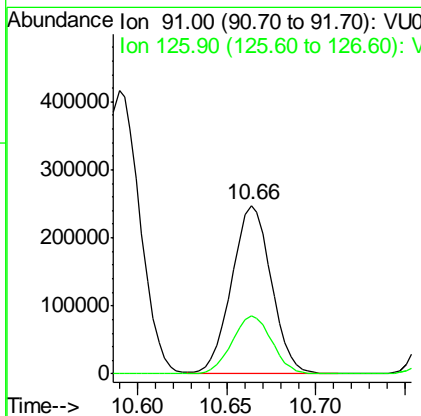
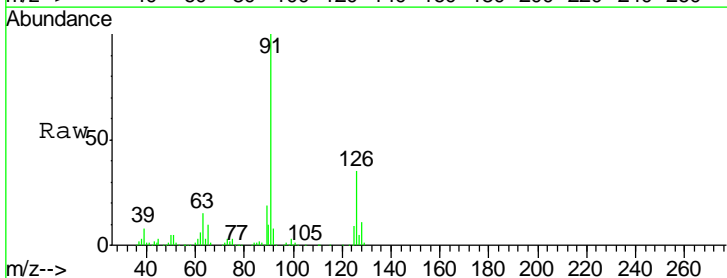
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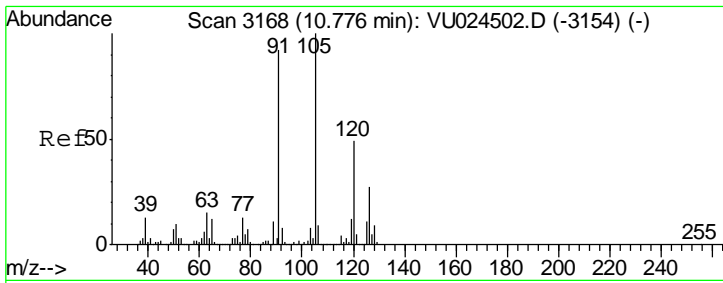
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#79
 2-Chlorotoluene
 Concen: 46.52 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
91	380855		
126	34.8	16.9	50.7



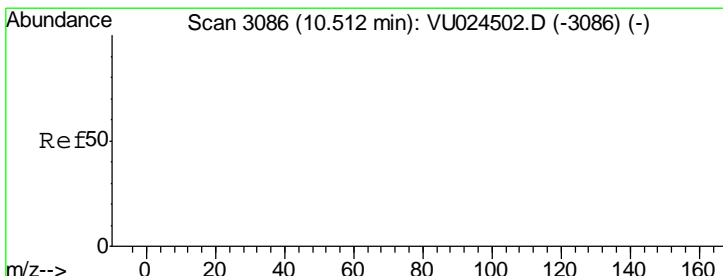
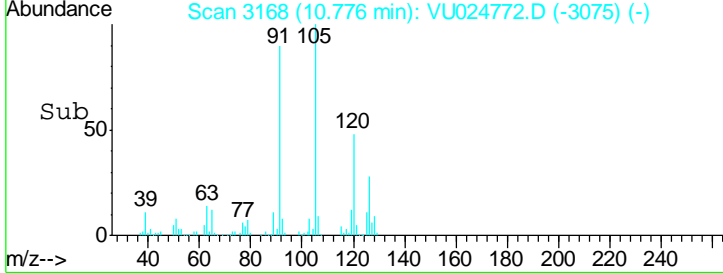
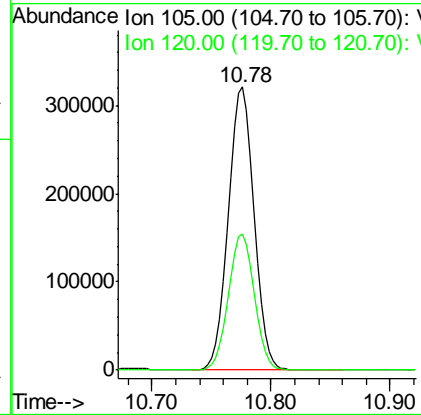
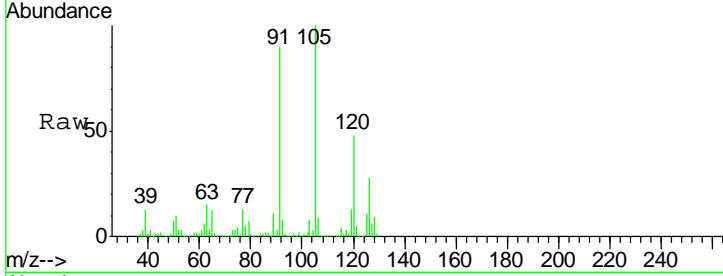


#80
 1,3,5-Trimethylbenzene
 Concen: 47.14 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

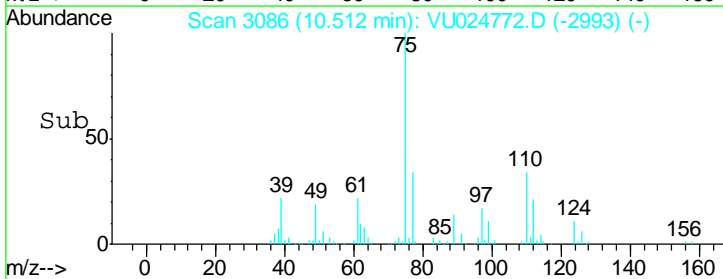
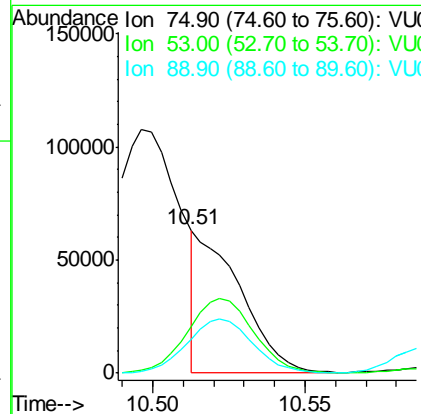
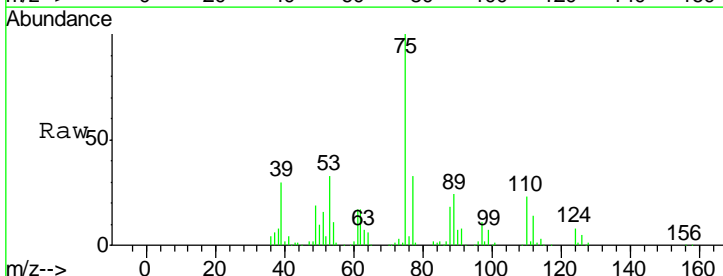
Tgt Ion	Resp	Lower	Upper
105	481496		
105	100		
120	48.5	24.1	72.2

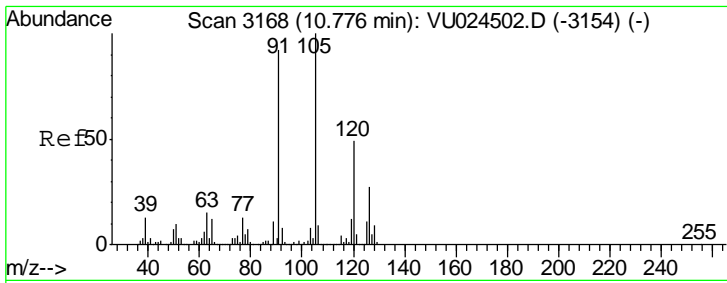
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.76 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
75	63889		
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



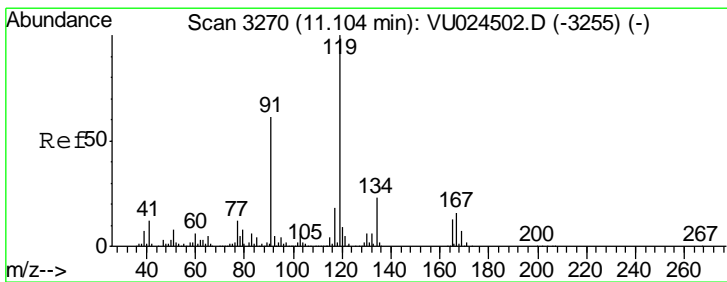
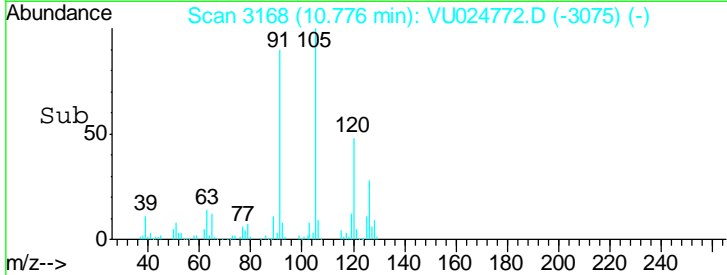
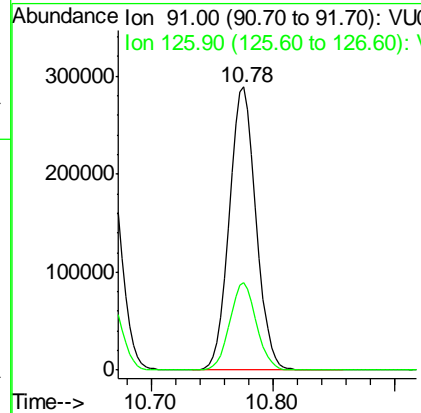
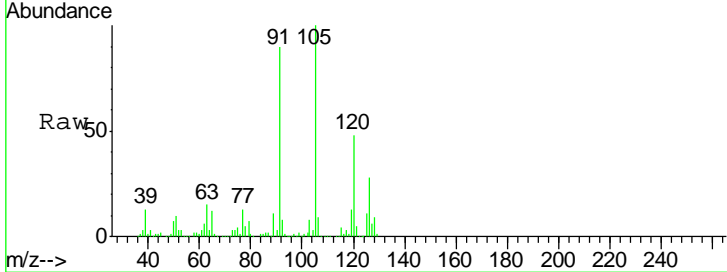


#82
 4-Chlorotoluene
 Concen: 46.45 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

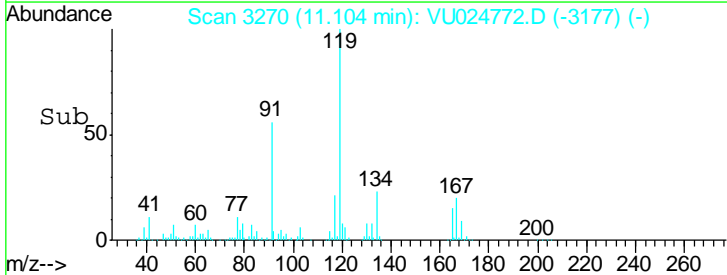
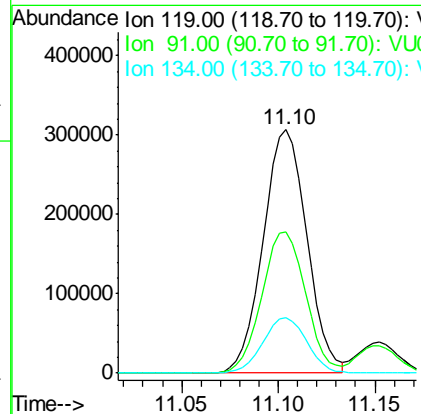
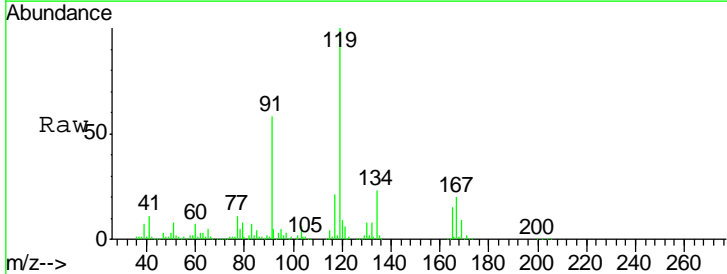
Tgt Ion	Resp	Lower	Upper
91	100		
126	30.9	14.9	44.9

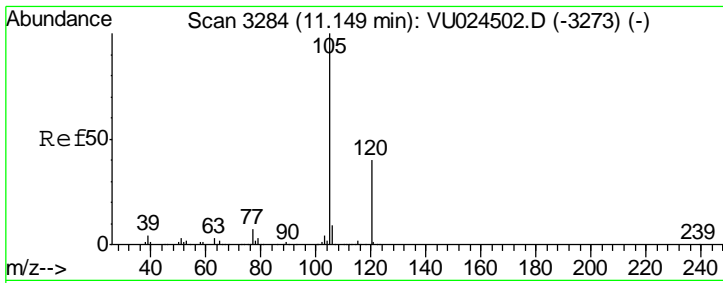
Manual Integrations
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#83
 tert-Butylbenzene
 Concen: 49.11 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
119	100		
91	58.2	29.7	89.1
134	22.7	11.6	34.7



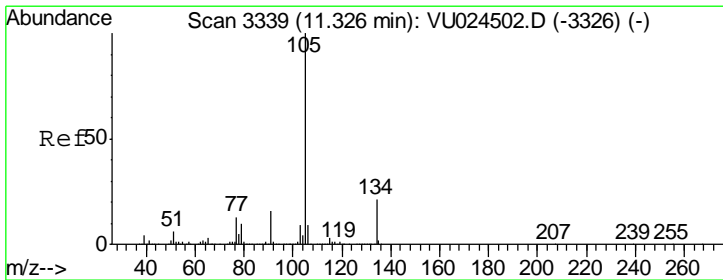
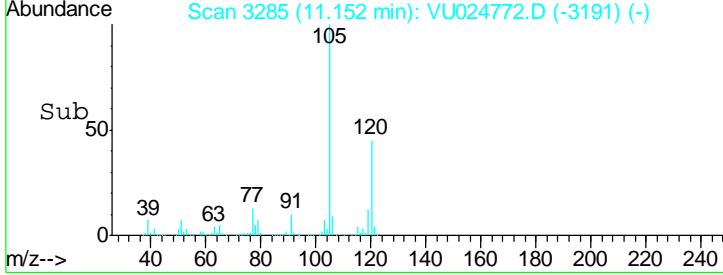
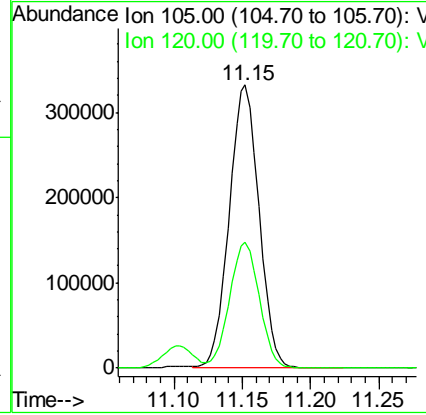
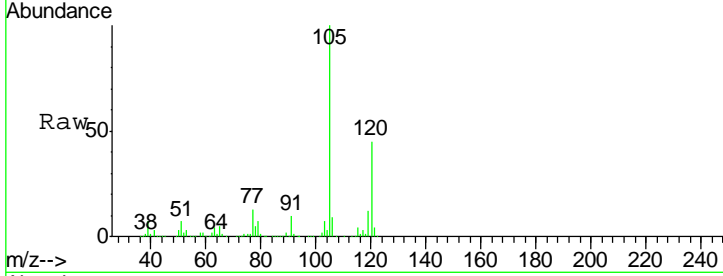


#84
 1,2,4-Trimethylbenzene
 Concen: 48.33 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

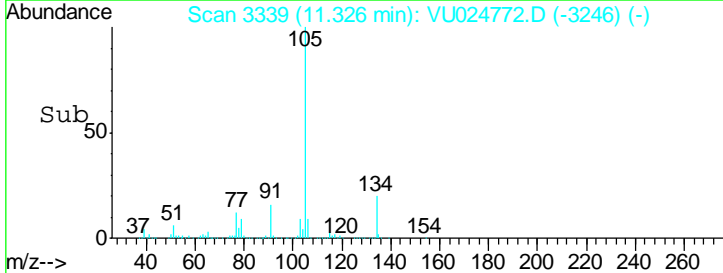
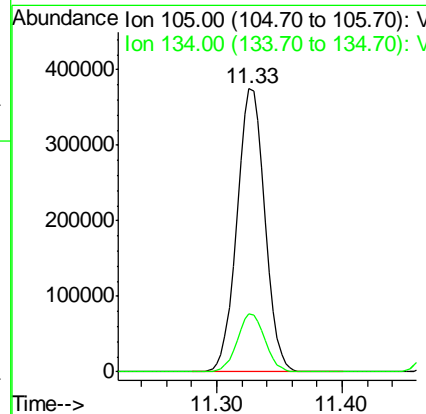
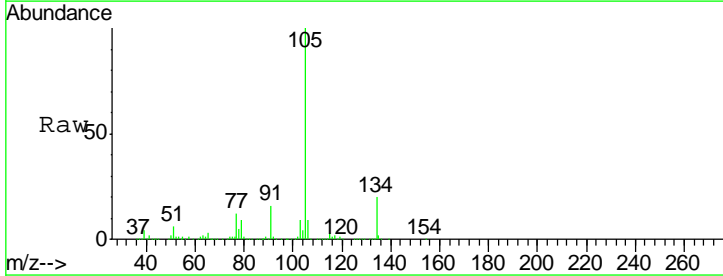
Tgt Ion	Resp	Lower	Upper
105	503095		
120	44.6	22.6	67.8

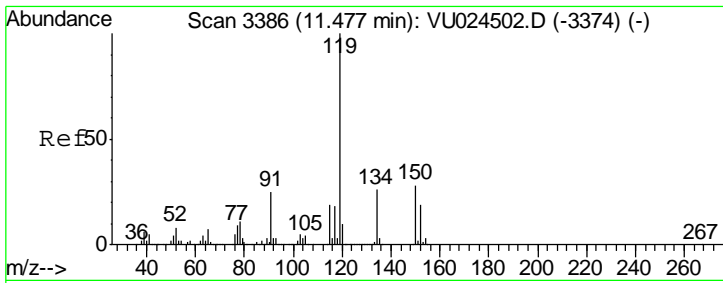
Manual Integrations
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#85
 sec-Butylbenzene
 Concen: 46.91 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
105	576880		
134	20.3	9.7	29.1



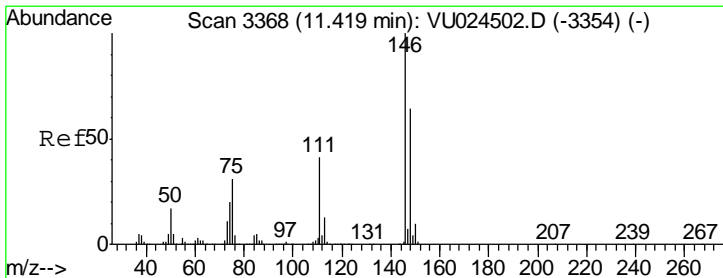
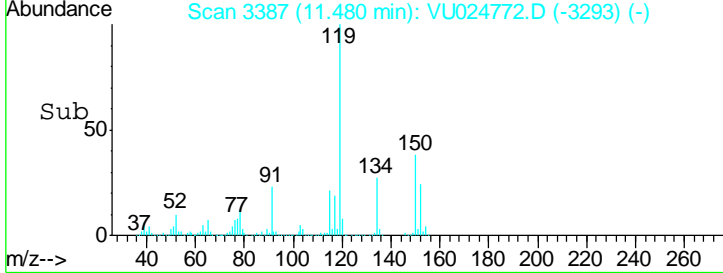
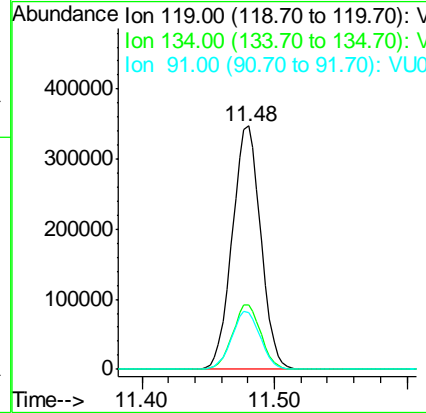
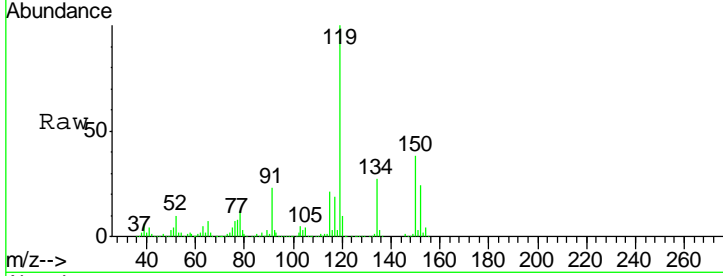


#86
 p-Isopropyltoluene
 Concen: 46.86 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

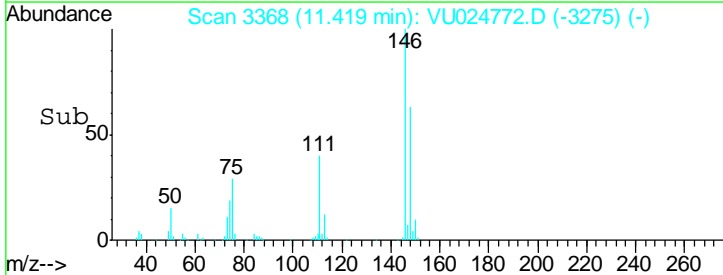
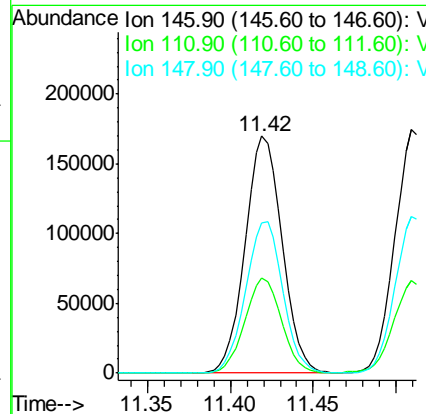
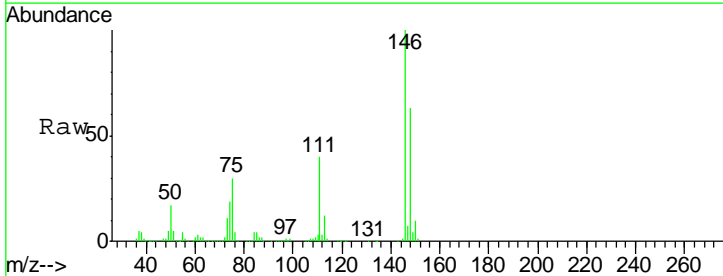
Tgt Ion	Resp	Lower	Upper
119	516181		
134	26.4	12.9	38.6
91	24.0	12.0	36.1

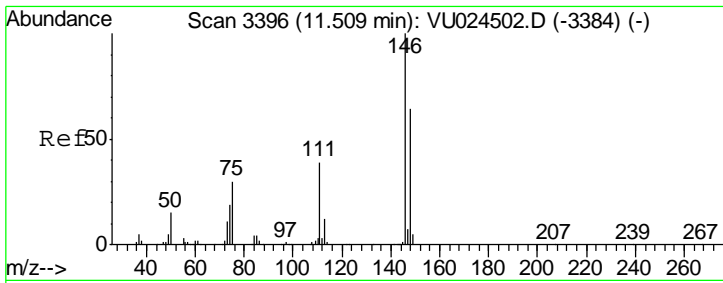
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#87
 1,3-Dichlorobenzene
 Concen: 47.90 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

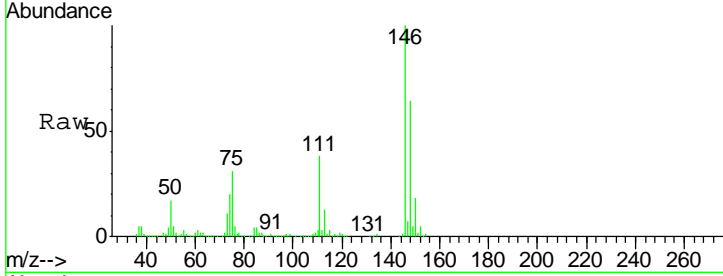
Tgt Ion	Resp	Lower	Upper
146	264026		
111	39.7	20.0	60.0
148	64.1	32.1	96.5





#88
 1,4-Dichlorobenzene
 Concen: 47.91 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

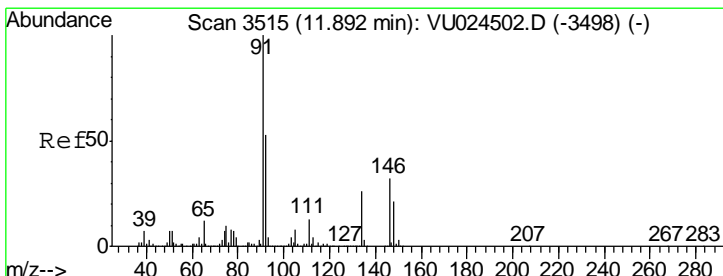
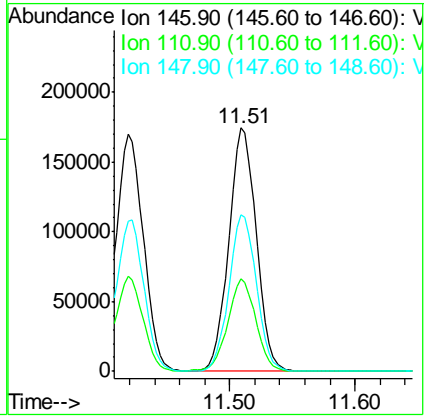
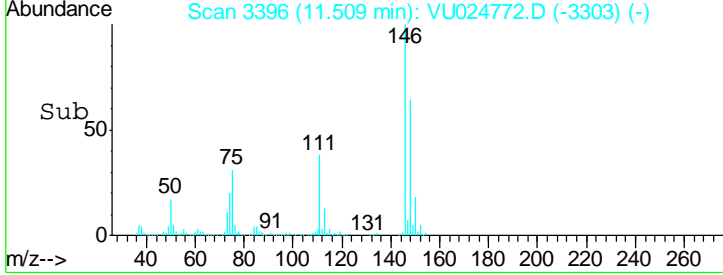
Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD



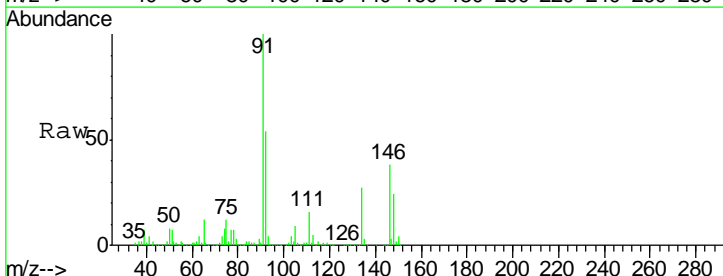
Tgt Ion: 146 Resp: 265805

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	64.6	32.4	97.0

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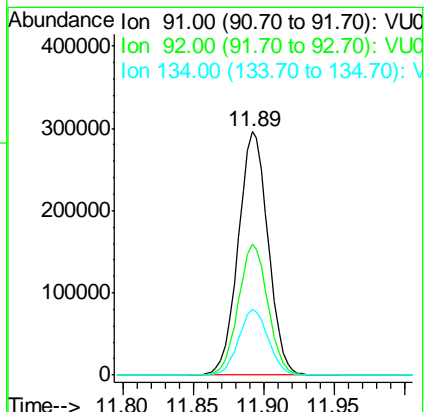
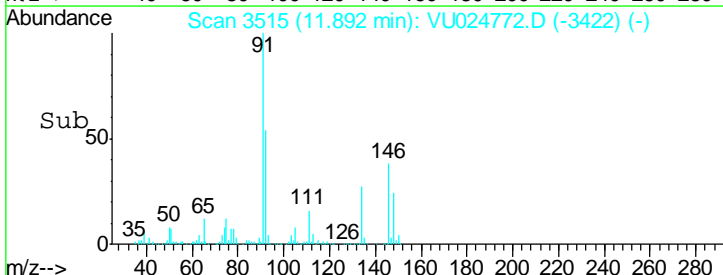


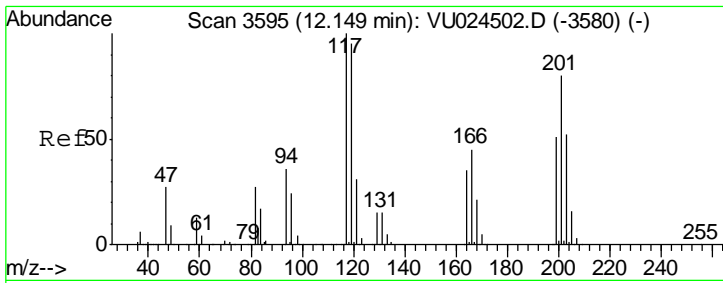
#89
 n-Butylbenzene
 Concen: 44.84 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10



Tgt Ion: 91 Resp: 438465

Ion	Ratio	Lower	Upper
91	100		
92	53.1	25.6	76.8
134	26.8	12.3	36.8



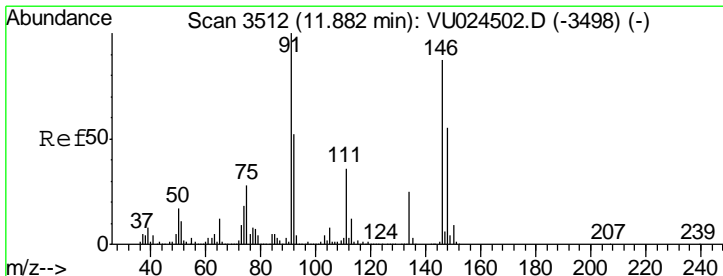
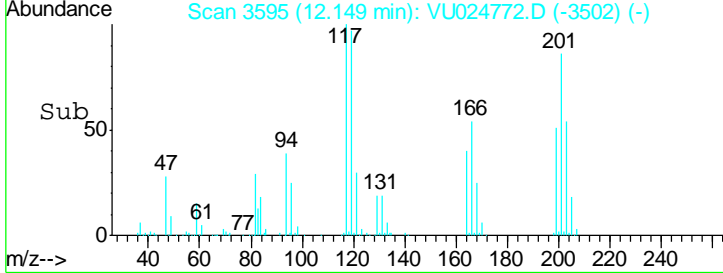
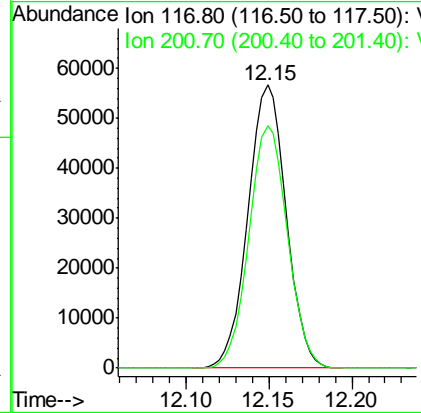
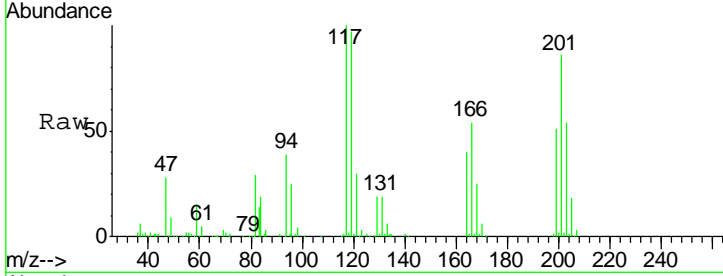


#90
 Hexachloroethane
 Concen: 42.32 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

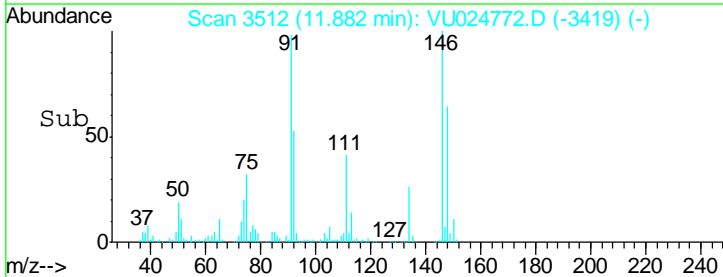
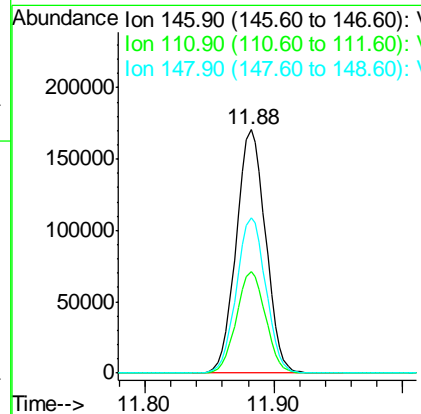
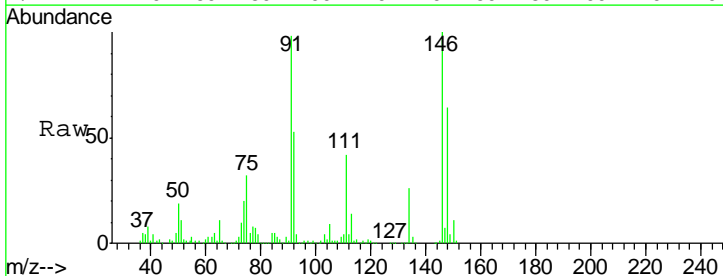
Tgt Ion	Resp	Lower	Upper
117	100		
201	86.1	41.1	123.3

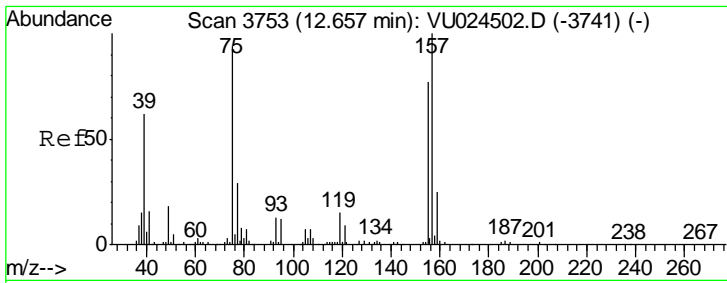
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#91
 1,2-Dichlorobenzene
 Concen: 48.89 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

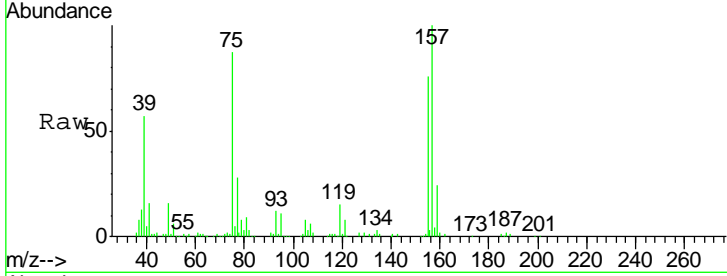
Tgt Ion	Resp	Lower	Upper
146	100		
111	41.4	20.5	61.6
148	63.8	31.9	95.7





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.22 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

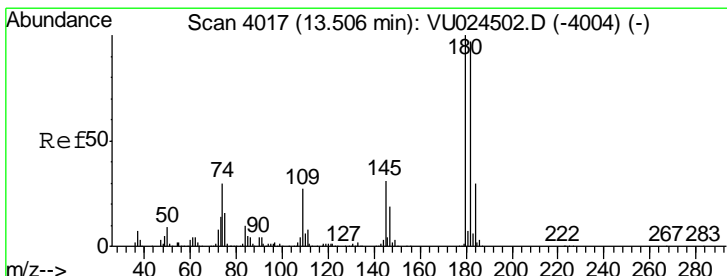
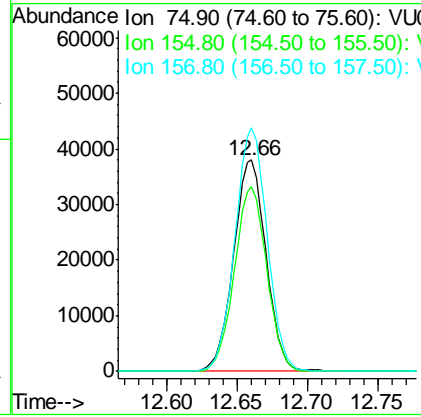
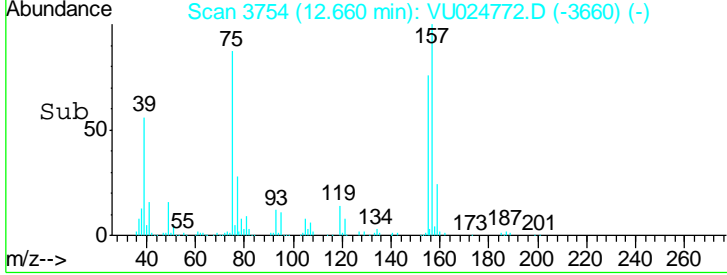
Instrument : MSVOA_U
 Client Sampled : VU024772.D
 TPTW-04MSD



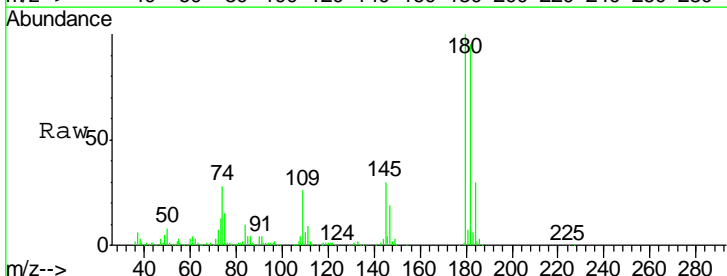
Tgt Ion: 75 Resp: 61257

Ion	Ratio	Lower	Upper
75	100		
155	87.0	40.4	121.2
157	114.4	52.3	156.8

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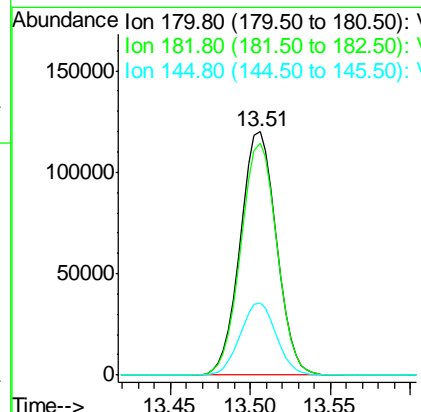
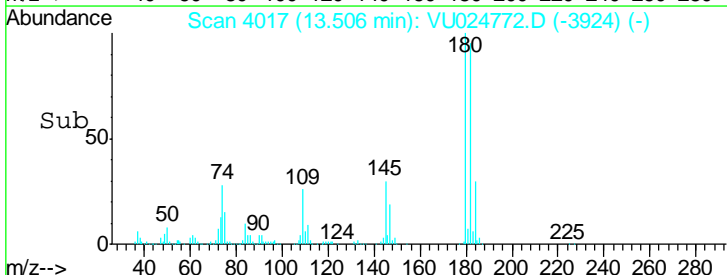


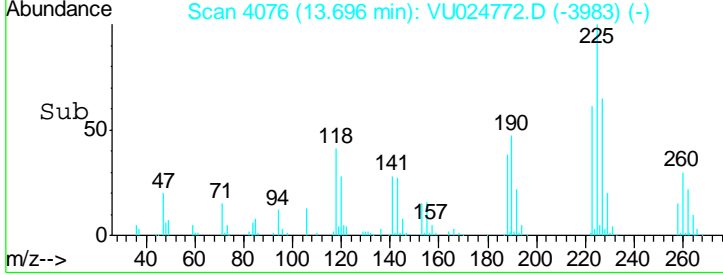
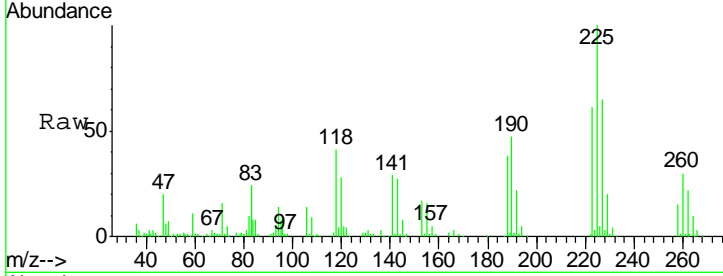
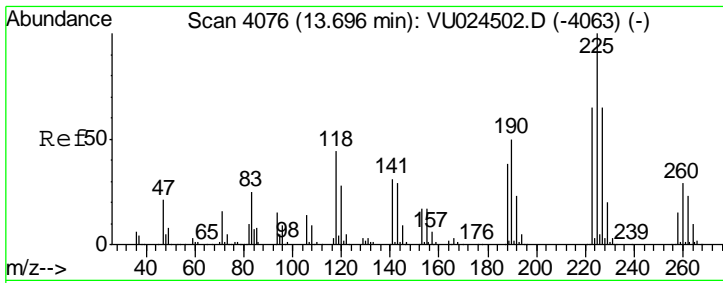
#93
 1,2,4-Trichlorobenzene
 Concen: 54.11 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10



Tgt Ion: 180 Resp: 184476

Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.2
145	29.5	14.7	44.1



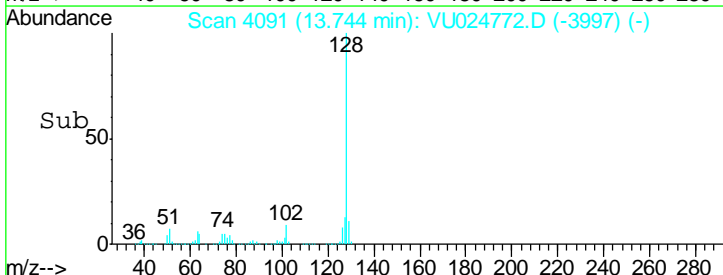
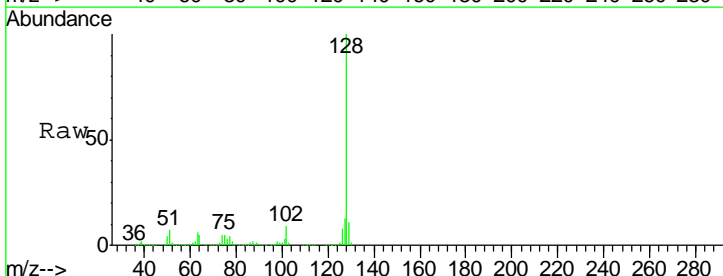
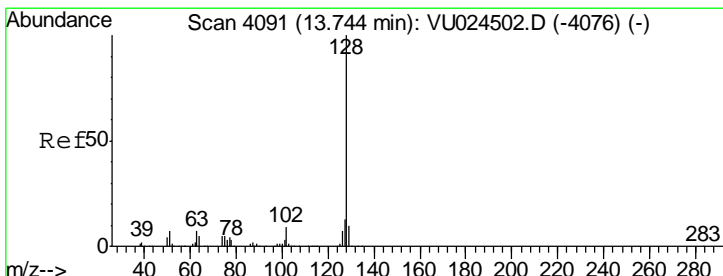
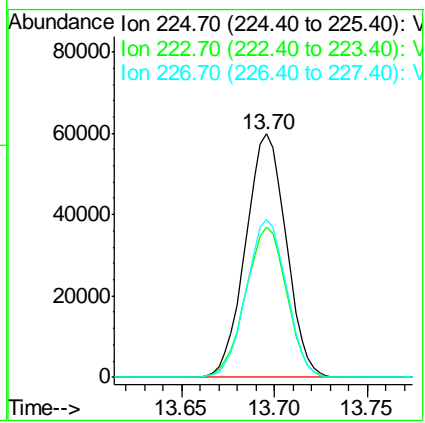


#94
 Hexachlorobutadiene
 Concen: 47.47 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
225	91090		
223	62.2	31.3	93.8
227	64.3	31.8	95.4

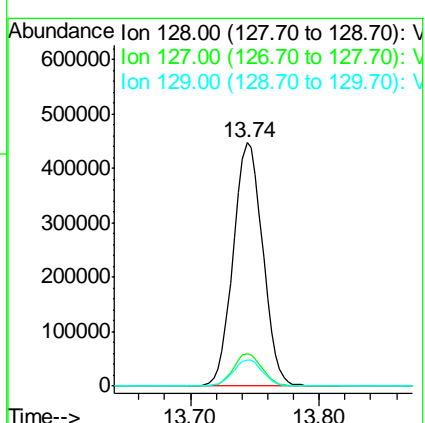
Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

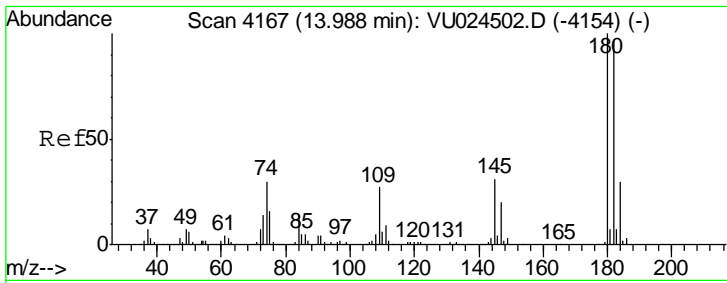
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#95
 Naphthalene
 Concen: 62.84 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Tgt Ion	Resp	Lower	Upper
128	711206		
127	12.9	10.6	16.0
129	10.9	8.6	12.8





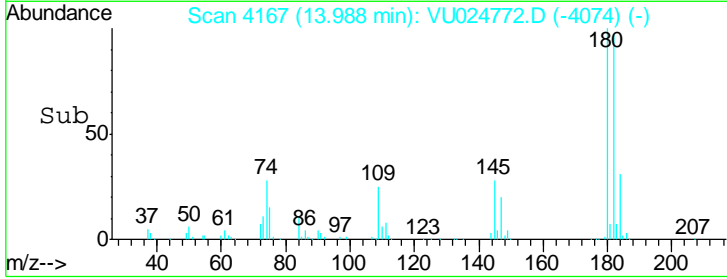
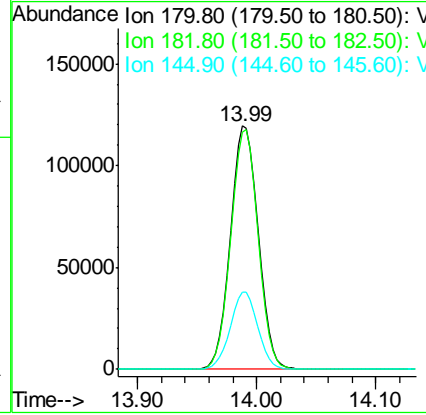
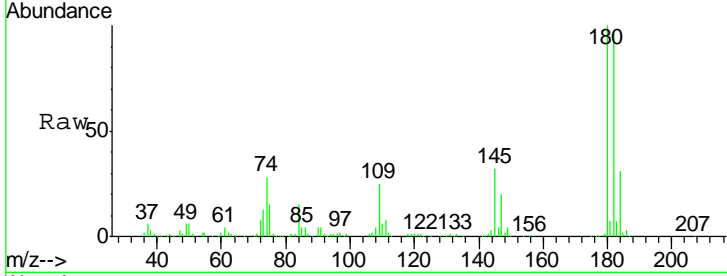
#96
 1,2,3-Trichlorobenzene
 Concen: 56.99 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU024772.D
 Acq: 20 Jun 2018 21:10

Instrument : MSVOA_U
 Client Sampled : TPTW-04MSD

Tot Ion	Ion	Ratio	Lower	Upper
193597	180	100		
	182	96.4	47.9	143.7
	145	31.4	15.4	46.1

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Manual Integration Report

Sequence:	VU061318	Instrument	MSVOA_u
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VU024499.D	1,4-Dichlorobenzene	john	6/14/2018 9:43:10 AM	MMDadoda	6/14/2018 9:44:16 AM	Peak Integrated by Software incorrectly
VSTDICC001	VU024499.D	cis-1,2-Dichloroethene	john	6/14/2018 9:43:10 AM	MMDadoda	6/14/2018 9:44:16 AM	Peak Integrated by Software incorrectly
VSTDICC001	VU024499.D	Methacrylonitrile	john	6/14/2018 9:43:10 AM	MMDadoda	6/14/2018 9:44:16 AM	Peak Integrated by Software incorrectly
VSTDICC001	VU024499.D	trans-1,4-Dichloro-2-butene	john	6/14/2018 9:43:10 AM	MMDadoda	6/14/2018 9:44:16 AM	Peak Integrated by Software incorrectly
VSTDICC005	VU024500.D	1,2,3-Trichloropropane	john	6/14/2018 9:43:14 AM	MMDadoda	6/14/2018 9:44:22 AM	Peak Integrated by Software incorrectly
VSTDICC005	VU024500.D	trans-1,4-Dichloro-2-butene	john	6/14/2018 9:43:14 AM	MMDadoda	6/14/2018 9:44:22 AM	Peak Integrated by Software incorrectly
VSTDICC020	VU024501.D	1,2,3-Trichloropropane	john	6/14/2018 9:43:19 AM	MMDadoda	6/14/2018 9:44:27 AM	Peak Integrated by Software incorrectly
VSTDICC020	VU024501.D	trans-1,4-Dichloro-2-butene	john	6/14/2018 9:43:19 AM	MMDadoda	6/14/2018 9:44:27 AM	Peak Integrated by Software incorrectly
VSTDICCC050	VU024502.D	1,2,3-Trichloropropane	john	6/14/2018 9:43:23 AM	MMDadoda	6/14/2018 9:44:32 AM	Peak Integrated by Software incorrectly
VSTDICCC050	VU024502.D	trans-1,4-Dichloro-2-butene	john	6/14/2018 9:43:23 AM	MMDadoda	6/14/2018 9:44:32 AM	Peak Integrated by Software incorrectly
VSTDICC100	VU024503.D	1,2,3-Trichloropropane	john	6/14/2018 9:43:28 AM	MMDadoda	6/14/2018 9:44:37 AM	Peak Integrated by Software incorrectly
VSTDICC100	VU024503.D	trans-1,4-Dichloro-2-butene	john	6/14/2018 9:43:28 AM	MMDadoda	6/14/2018 9:44:37 AM	Peak Integrated by Software incorrectly
VSTDICC150	VU024504.D	1,2,3-Trichloropropane	john	6/14/2018 9:43:32 AM	MMDadoda	6/14/2018 9:44:43 AM	Peak Integrated by Software incorrectly



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Manual Integration Report

Sequence:	VU061318	Instrument	MSVOA_u
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC150	VU024504.D	trans-1,4-Dichloro-2-butene	john	6/14/2018 9:43:32 AM	MMDadoda	6/14/2018 9:44:43 AM	Peak Integrated by Software incorrectly
VSTDICV050	VU024505.D	1,2,3-Trichloropropane	john	6/14/2018 9:43:37 AM	MMDadoda	6/14/2018 9:44:48 AM	Peak Integrated by Software incorrectly
VSTDICV050	VU024505.D	trans-1,4-Dichloro-2-butene	john	6/14/2018 9:43:37 AM	MMDadoda	6/14/2018 9:44:48 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VU062018	Instrument	MSVOA_u
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VU024750.D	1,2,3-Trichloropropane	MMDadoda	6/21/2018 11:56:51 AM	apatel	6/21/2018 1:44:00 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VU024750.D	trans-1,4-Dichloro-2-butene	MMDadoda	6/21/2018 11:56:51 AM	apatel	6/21/2018 1:44:00 PM	Peak Integrated by Software incorrectly
VU0620WBS01	VU024752.D	1,2,3-Trichloropropane	MMDadoda	6/21/2018 11:56:56 AM	apatel	6/21/2018 1:44:34 PM	Peak Integrated by Software incorrectly
VU0620WBS01	VU024752.D	trans-1,4-Dichloro-2-butene	MMDadoda	6/21/2018 11:56:56 AM	apatel	6/21/2018 1:44:34 PM	Peak Integrated by Software incorrectly
J3529-09MS	VU024771.D	1,2,3-Trichloropropane	MMDadoda	6/21/2018 11:57:15 AM	apatel	6/21/2018 1:44:44 PM	Peak Integrated by Software incorrectly
J3529-09MS	VU024771.D	trans-1,4-Dichloro-2-butene	MMDadoda	6/21/2018 11:57:15 AM	apatel	6/21/2018 1:44:44 PM	Peak Integrated by Software incorrectly
J3529-10MSD	VU024772.D	1,2,3-Trichloropropane	MMDadoda	6/21/2018 11:57:22 AM	apatel	6/21/2018 1:44:48 PM	Peak Integrated by Software incorrectly
J3529-10MSD	VU024772.D	trans-1,4-Dichloro-2-butene	MMDadoda	6/21/2018 11:57:22 AM	apatel	6/21/2018 1:44:48 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VU024773.D	1,2,3-Trichloropropane	MMDadoda	6/21/2018 11:57:26 AM	apatel	6/21/2018 1:44:51 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VU024773.D	trans-1,4-Dichloro-2-butene	MMDadoda	6/21/2018 11:57:26 AM	apatel	6/21/2018 1:44:51 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VU024775.D	1,2,3-Trichloropropane	MMDadoda	6/21/2018 11:57:31 AM	apatel	6/21/2018 1:44:55 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VU024775.D	trans-1,4-Dichloro-2-butene	MMDadoda	6/21/2018 11:57:31 AM	apatel	6/21/2018 1:44:55 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VU024798.D	1,2,3-Trichloropropane	MMDadoda	6/21/2018 11:57:58 AM	apatel	6/21/2018 1:45:17 PM	Peak Integrated by Software incorrectly



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	VU062018	Instrument	MSVOA_u
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VU024798.D	trans-1,4-Dichloro-2-butene	MMDadoda	6/21/2018 11:57:58 AM	apatel	6/21/2018 1:45:17 PM	Peak Integrated by Software incorrectly

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Daily Analysis Runlog For Sequence/QC Batch ID # VU061318

Review By	MMDadoda	Review On	6/14/2018 9:43:20 AM		
SubDirectory	VU061318	HP Acquire Method	MSVOA_U	HP Processing Method	82u061318w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP71888				
Initial Calibration Stds	VP71889,VP71890,VP71891,VP71892,VP71893,VP71894				
CCC	N/A				
Internal Standard/PEM	VP71532				
ICV/I.BLK	VP71895				

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VU024498.D	13 Jun 2018 10:59	MD/SY	Ok
2	VSTDIC001	VU024499.D	13 Jun 2018 11:33	MD/SY	Ok,M
3	VSTDIC005	VU024500.D	13 Jun 2018 11:56	MD/SY	Ok,M
4	VSTDIC020	VU024501.D	13 Jun 2018 12:19	MD/SY	Ok,M
5	VSTDIC050	VU024502.D	13 Jun 2018 12:42	MD/SY	Ok,M
6	VSTDIC100	VU024503.D	13 Jun 2018 13:05	MD/SY	Ok,M
7	VSTDIC150	VU024504.D	13 Jun 2018 13:28	MD/SY	Ok,M
8	VSTDICV050	VU024505.D	13 Jun 2018 13:54	MD/SY	Ok,M
9	VU0613WBL01	VU024506.D	13 Jun 2018 14:40	MD/SY	Ok
10	J3425-01	VU024507.D	13 Jun 2018 15:03	MD/SY	Not Ok
11	PB110190TB	VU024508.D	13 Jun 2018 15:27	MD/SY	Ok
12	PB110190ZHE#10	VU024509.D	13 Jun 2018 15:50	MD/SY	Ok
13	J3425-01	VU024510.D	13 Jun 2018 16:13	MD/SY	Ok
14	VU0613WBS01	VU024511.D	13 Jun 2018 16:36	MD/SY	Ok,M
15	PB110190ZHE#11	VU024512.D	13 Jun 2018 16:59	MD/SY	Ok
16	PB110190ZHE#12	VU024513.D	13 Jun 2018 17:22	MD/SY	Ok
17	PB110190ZHE#13	VU024514.D	13 Jun 2018 17:45	MD/SY	Ok
18	PB110190ZHE#14	VU024515.D	13 Jun 2018 18:08	MD/SY	Ok
19	PB110190ZHE#15	VU024516.D	13 Jun 2018 18:32	MD/SY	Ok
20	PB110190ZHE#16	VU024517.D	13 Jun 2018 18:55	MD/SY	Ok
21	PB110190ZHE#17	VU024518.D	13 Jun 2018 19:18	MD/SY	Ok
22	VU0613WBSD01	VU024519.D	13 Jun 2018 19:41	MD/SY	Ok,M
23	J3461-10	VU024520.D	13 Jun 2018 20:04	MD/SY	Ok
24	J3461-09	VU024521.D	13 Jun 2018 20:27	MD/SY	Ok
25	J3461-08	VU024522.D	13 Jun 2018 20:50	MD/SY	Ok
26	J3461-07	VU024523.D	13 Jun 2018 21:14	MD/SY	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VU061318

Review By	MMDadoda	Review On	6/14/2018 9:43:20 AM		
SubDirectory	VU061318	HP Acquire Method	MSVOA_U	HP Processing Method	82u061318w.m

STD. NAME	STD REF.#
Tune/Reschk	VP71888
Initial Calibration Stds	VP71889,VP71890,VP71891,VP71892,VP71893,VP71894
CCC	N/A
Internal Standard/PEM	VP71532
ICV/I.BLK	VP71895

27	J3461-06	VU024524.D	13 Jun 2018 21:37	MD/SY	Ok
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Daily Analysis Runlog For Sequence/QC Batch ID # VU062018

Review By	MMDadoda	Review On	6/21/2018 12:34:07 PM		
SubDirectory	VU062018	HP Acquire Method	MSVOA_U	HP Processing Method	82u061318w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP72119,VP72120				
Initial Calibration Stds	VP71889,VP71890,VP71891,VP71892,VP71893,VP71894				
CCC	VP72121,VP72122,VP72123,VP72124				
Internal Standard/PEM	VP71532				
ICV/I.BLK	VP71895				

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VU024749.D	20 Jun 2018 10:13	MD/SY	Ok
2	VSTDCCC050	VU024750.D	20 Jun 2018 10:58	MD/SY	Ok,M
3	VU0620WBL01	VU024751.D	20 Jun 2018 11:44	MD/SY	Ok
4	VU0620WBS01	VU024752.D	20 Jun 2018 12:56	MD/SY	Ok,M
5	VU0620WBSD01	VU024753.D	20 Jun 2018 13:23	MD/SY	Not Ok
6	J3532-01	VU024754.D	20 Jun 2018 13:47	MD/SY	Ok
7	J3577-08	VU024755.D	20 Jun 2018 14:11	MD/SY	Ok
8	J3577-03	VU024756.D	20 Jun 2018 14:35	MD/SY	Ok
9	J3577-04	VU024757.D	20 Jun 2018 14:59	MD/SY	Ok
10	J3577-07	VU024758.D	20 Jun 2018 15:23	MD/SY	Ok
11	J3577-01	VU024759.D	20 Jun 2018 15:48	MD/SY	Not Ok
12	J3577-06	VU024760.D	20 Jun 2018 16:12	MD/SY	Not Ok
13	VU0620WBSD01	VU024761.D	20 Jun 2018 16:36	MD/SY	Ok,M
14	J3577-01	VU024762.D	20 Jun 2018 17:07	MD/SY	Ok
15	J3577-06	VU024763.D	20 Jun 2018 17:31	MD/SY	Ok
16	J3529-07	VU024764.D	20 Jun 2018 17:56	MD/SY	Ok
17	J3577-05	VU024765.D	20 Jun 2018 18:20	MD/SY	Ok
18	J3577-02	VU024766.D	20 Jun 2018 18:44	MD/SY	Ok
19	I-BLK	VU024767.D	20 Jun 2018 19:09	MD/SY	Ok
20	J3529-02	VU024768.D	20 Jun 2018 19:33	MD/SY	Ok
21	J3529-04	VU024769.D	20 Jun 2018 19:57	MD/SY	Dilution
22	J3529-06	VU024770.D	20 Jun 2018 20:22	MD/SY	Not Ok
23	J3529-09MS	VU024771.D	20 Jun 2018 20:46	MD/SY	Ok,M
24	J3529-10MSD	VU024772.D	20 Jun 2018 21:10	MD/SY	Ok,M
25	VSTDCCC050	VU024773.D	20 Jun 2018 21:35	MD/SY	Ok,M
26	BFB	VU024774.D	20 Jun 2018 22:23	MD/SY	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VU062018

Review By	MMDadoda	Review On	6/21/2018 12:34:07 PM		
SubDirectory	VU062018	HP Acquire Method	MSVOA_U	HP Processing Method	82u061318w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP72119,VP72120				
Initial Calibration Stds	VP71889,VP71890,VP71891,VP71892,VP71893,VP71894				
CCC	VP72121,VP72122,VP72123,VP72124				
Internal Standard/PEM	VP71532				
ICV/I.BLK	VP71895				

27	VSTDCCC050	VU024775.D	20 Jun 2018 22:47	MD/SY	Ok,M
28	VU0620WBL02	VU024776.D	20 Jun 2018 23:36	MD/SY	Ok
29	VU0620WBS02	VU024777.D	21 Jun 2018 00:00	MD/SY	Ok,M
30	VU0620WBSD02	VU024778.D	21 Jun 2018 00:25	MD/SY	Ok,M
31	PB110408ZHE#20	VU024779.D	21 Jun 2018 00:49	MD/SY	Ok
32	J3581-02	VU024780.D	21 Jun 2018 01:13	MD/SY	Ok
33	J3245-14	VU024781.D	21 Jun 2018 01:37	MD/SY	Ok
34	J3585-15	VU024782.D	21 Jun 2018 02:02	MD/SY	Ok
35	J3585-16	VU024783.D	21 Jun 2018 02:26	MD/SY	Ok
36	J3585-01	VU024784.D	21 Jun 2018 02:50	MD/SY	Ok
37	J3585-02	VU024785.D	21 Jun 2018 03:15	MD/SY	Ok
38	J3585-05	VU024786.D	21 Jun 2018 03:39	MD/SY	Ok
39	J3585-06	VU024787.D	21 Jun 2018 04:03	MD/SY	Ok
40	J3585-07	VU024788.D	21 Jun 2018 04:27	MD/SY	Ok
41	J3585-08	VU024789.D	21 Jun 2018 04:52	MD/SY	Ok
42	J3585-09	VU024790.D	21 Jun 2018 05:16	MD/SY	Ok
43	J3585-10	VU024791.D	21 Jun 2018 05:40	MD/SY	Ok
44	J3585-11	VU024792.D	21 Jun 2018 06:05	MD/SY	Ok
45	J3585-12	VU024793.D	21 Jun 2018 06:29	MD/SY	Ok
46	J3585-13	VU024794.D	21 Jun 2018 06:53	MD/SY	Ok
47	J3585-14	VU024795.D	21 Jun 2018 07:17	MD/SY	Ok
48	J3585-03MS	VU024796.D	21 Jun 2018 07:41	MD/SY	Ok,M
49	J3585-04MSD	VU024797.D	21 Jun 2018 08:05	MD/SY	Ok,M
50	VSTDCCC050	VU024798.D	21 Jun 2018 08:30	MD/SY	Ok,M

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU061318

Review By	MMDadoda	Review On	6/14/2018 9:43:20 AM		
SubDirectory	VU061318	HP Acquire Method	MSVOA_U	HP Processing Method	82u061318w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP71888				
Initial Calibration Stds	VP71889,VP71890,VP71891,VP71892,VP71893,VP71894				
CCC	N/A				
Internal Standard/PEM	VP71532				
ICV/I.BLK	VP71895				
Sr#	SampleID	ClientID	Data File Name	Comment	Status
1	BFB	BFB	VU024498.D		Ok
2	VSTDIC001	VSTDIC001	VU024499.D	L.R.Used Comp#6,8,10,31,95	Ok,M
3	VSTDIC005	VSTDIC005	VU024500.D		Ok,M
4	VSTDIC020	VSTDIC020	VU024501.D		Ok,M
5	VSTDIC050	VSTDIC050	VU024502.D		Ok,M
6	VSTDIC100	VSTDIC100	VU024503.D		Ok,M
7	VSTDIC150	VSTDIC150	VU024504.D		Ok,M
8	VSTDICV050	ICVVU061318	VU024505.D		Ok,M
9	VU0613WBL01	VU0613WBL01	VU024506.D		Ok
10	J3425-01	PGWPAL-AQ060818	VU024507.D	NOT USE	Not Ok
11	PB110190TB	PB110190TB	VU024508.D		Ok
12	PB110190ZHE#10	PB110190ZHE#10	VU024509.D		Ok
13	J3425-01	PGWPAL-AQ060818	VU024510.D		Ok
14	VU0613WBS01	VU0613WBS01	VU024511.D		Ok,M
15	PB110190ZHE#11	PB110190ZHE#11	VU024512.D	Hit Of Comp#16,18,20	Ok
16	PB110190ZHE#12	PB110190ZHE#12	VU024513.D	Hit Of Comp#16,18,20	Ok
17	PB110190ZHE#13	PB110190ZHE#13	VU024514.D	Hit Of Comp#16,18,20	Ok
18	PB110190ZHE#14	PB110190ZHE#14	VU024515.D	Hit Of Comp#16,18,20	Ok
19	PB110190ZHE#15	PB110190ZHE#15	VU024516.D	Hit Of Comp#16,18,20	Ok
20	PB110190ZHE#16	PB110190ZHE#16	VU024517.D	Hit Of Comp#16,18,20	Ok
21	PB110190ZHE#17	PB110190ZHE#17	VU024518.D	Hit Of Comp#16,18,20	Ok
22	VU0613WBSD01	VU0613WBSD01	VU024519.D	RPD Fail for Comp#10	Ok,M

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU061318

Review By	MMDadoda	Review On	6/14/2018 9:43:20 AM		
SubDirectory	VU061318	HP Acquire Method	MSVOA_U	HP Processing Method	82u061318w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP71888				
Initial Calibration Stds	VP71889,VP71890,VP71891,VP71892,VP71893,VP71894				
CCC	N/A				
Internal Standard/PEM	VP71532				
ICV/I.BLK	VP71895				
23	J3461-10	SB-54(0-5)	VU024520.D		Ok
24	J3461-09	SB-50(0-5)	VU024521.D		Ok
25	J3461-08	SB-49(0-5)	VU024522.D		Ok
26	J3461-07	SB-48(0-5)	VU024523.D		Ok
27	J3461-06	SB-47(0-5)	VU024524.D		Ok

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Daily Analysis Runlog For Sequence/QC Batch ID # VU062018

Review By	MMDadoda	Review On	6/21/2018 12:34:07 PM		
SubDirectory	VU062018	HP Acquire Method	MSVOA_U	HP Processing Method	82u061318w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP72119,VP72120				
Initial Calibration Stds	VP71889,VP71890,VP71891,VP71892,VP71893,VP71894				
CCC	VP72121,VP72122,VP72123,VP72124				
Internal Standard/PEM	VP71532				
ICV/I.BLK	VP71895				
Sr#	SampleID	ClientID	Data File Name	Comment	Status
1	BFB	BFB	VU024749.D		Ok
2	VSTDCCC050	VSTDCCC050	VU024750.D		Ok,M
3	VU0620WBL01	VU0620WBL01	VU024751.D	pH#V7385	Ok
4	VU0620WBS01	VU0620WBS01	VU024752.D		Ok,M
5	VU0620WBSD01	VU0620WBSD01	VU024753.D	compounds fail for recovery	Not Ok
6	J3532-01	OILY-WATER-DRUMS-1-2	VU024754.D		Ok
7	J3577-08	547-TB061318	VU024755.D	Vial A pH<2	Ok
8	J3577-03	542-IW-14	VU024756.D	Vial A pH<2	Ok
9	J3577-04	543-IW-15	VU024757.D	Vial A pH<2	Ok
10	J3577-07	546-IW-22	VU024758.D	Vial A pH<2	Ok
11	J3577-01	540-IW-6	VU024759.D	Need straight analysis	Not Ok
12	J3577-06	545-IW-21	VU024760.D	Need straight analysis,	Not Ok
13	VU0620WBSD01	VU0620WBSD01	VU024761.D		Ok,M
14	J3577-01	540-IW-6	VU024762.D	Vial A pH<2	Ok
15	J3577-06	545-IW-21	VU024763.D	Vial A pH<2	Ok
16	J3529-07	TRIP-BLANK	VU024764.D	Vial A pH<2	Ok
17	J3577-05	544-IW-16	VU024765.D	Vial A pH<2	Ok
18	J3577-02	541-IW-13	VU024766.D	Vial A pH<2	Ok
19	I-BLK	I-BLK	VU024767.D		Ok
20	J3529-02	TPTW-03	VU024768.D	Vial A pH<2	Ok
21	J3529-04	TPTW-02	VU024769.D	Need 5X, Vial A pH<2	Dilution
22	J3529-06	TPTW-04	VU024770.D	confirm hit, Vial A pH<2	Not Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VU062018

Review By	MMDadoda	Review On	6/21/2018 12:34:07 PM		
SubDirectory	VU062018	HP Acquire Method	MSVOA_U	HP Processing Method	82u061318w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP72119,VP72120				
Initial Calibration Stds	VP71889,VP71890,VP71891,VP71892,VP71893,VP71894				
CCC	VP72121,VP72122,VP72123,VP72124				
Internal Standard/PEM	VP71532				
ICV/I.BLK	VP71895				
23	J3529-09MS	TPTW-04MS	VU024771.D	Vial A pH<2	Ok,M
24	J3529-10MSD	TPTW-04MSD	VU024772.D	Vial A pH<2	Ok,M
25	VSTDCCC050	VSTDCCC050EC	VU024773.D		Ok,M
26	BFB	BFB	VU024774.D		Ok
27	VSTDCCC050	VSTDCCC050	VU024775.D		Ok,M
28	VU0620WBL02	VU0620WBL02	VU024776.D		Ok
29	VU0620WBS02	VU0620WBS02	VU024777.D		Ok,M
30	VU0620WBSD02	VU0620WBSD02	VU024778.D		Ok,M
31	PB110408ZHE#20	PB110408ZHE#20	VU024779.D		Ok
32	J3581-02	SSP-A-COMPOSITE	VU024780.D		Ok
33	J3245-14	CL-02-061918-C	VU024781.D		Ok
34	J3585-15	EQUIPMENT-BLANK	VU024782.D	Vial A pH<2	Ok
35	J3585-16	TRIP-BLANK	VU024783.D	Vial A pH<2	Ok
36	J3585-01	CKMW02	VU024784.D	Vial A pH<2	Ok
37	J3585-02	CKMW21	VU024785.D	Vial A pH<2	Ok
38	J3585-05	CKMW03	VU024786.D	Vial A pH<2	Ok
39	J3585-06	CKMW18	VU024787.D	Vial A pH<2	Ok
40	J3585-07	CKMW22	VU024788.D	Vial A pH<2	Ok
41	J3585-08	CKMW19	VU024789.D	Vial A pH<2	Ok
42	J3585-09	CKMW05	VU024790.D	Vial A pH<2	Ok
43	J3585-10	CKMW20	VU024791.D	Vial A pH<2	Ok
44	J3585-11	CKMW06	VU024792.D	Vial A pH<2	Ok
45	J3585-12	CKMW04	VU024793.D	Vial A pH<2	Ok

Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QC Batch ID # VU062018

Review By	MMDadoda	Review On	6/21/2018 12:34:07 PM		
SubDirectory	VU062018	HP Acquire Method	MSVOA_U	HP Processing Method	82u061318w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP72119,VP72120				
Initial Calibration Stds	VP71889,VP71890,VP71891,VP71892,VP71893,VP71894				
CCC	VP72121,VP72122,VP72123,VP72124				
Internal Standard/PEM	VP71532				
ICV/I.BLK	VP71895				
46	J3585-13	CKMW07	VU024794.D	Vial A pH<2	Ok
47	J3585-14	DUP-01	VU024795.D	Vial A pH<2	Ok
48	J3585-03MS	CKMW21MS	VU024796.D	Vial A pH<2	Ok,M
49	J3585-04MSD	CKMW21MSD	VU024797.D	Vial A pH<2	Ok,M
50	VSTDCCC050	VSTDCCC050EC	VU024798.D		Ok,M

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Prep Standard - Chemical Standard Summary

Order ID : J3577
Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VU062018,

Standard ID :

VP67829,VP67831,VP68321,VP69002,VP69004,VP69007,VP69553,VP69587,VP71187,VP71189,VP71191,VP71527,VP71529,VP71530,VP71532,VP71626,VP71628,VP71630,VP71889,VP71890,VP71891,VP71892,VP71893,VP71894,VP71895,VP72119,VP72120,VP72121,VP72122,VP72123,VP72124,

Chemical ID :

V1456,V5220,V6521,V6644,V7167,V7174,V7175,V7176,V7372,V7760,V7761,V7827,V8123,V8124,V8126,V8156,V8158,V8160,V8161,V8236,V8238,V8242,V8257,V8273,V8292,V8293,V8303,V8329,V8331,V8341,V8342,V8348,V8349,V8360,V8378,V8396,V8397,V8411,V8470,V8471,V8564,V8579,V8581,V8627,V8628,V8629,V8630,V8631,V8632,

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
218	BFB, 25PPM	VP67829	01/23/2018	07/23/2018	sam
FROM 0.500ml of V5220 + 49.500ml of V8242 = Final Quantity: 50.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
262	8260 Working STD (BCM)-Second source, 100PPM	VP67831	01/23/2018	07/23/2018	sam
FROM 1.000ml of V7167 + 9.000ml of V8242 = Final Quantity: 10.000 ml					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
249	8260 Surrogate, 100PPM	VP68321	02/13/2018	08/13/2018	sam
<p>FROM 0.200ml of V6644 + 49.800ml of V8236 = Final Quantity: 50.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1810	8260 Working Std(2-CVE)-800ppm	VP69002	03/13/2018	09/13/2018	sam
<p>FROM 1.000ml of V7176 + 1.500ml of V7174 + 1.500ml of V7175 + 46.000ml of V8378 = Final Quantity: 50.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1812	8260 Working Std(2-CVE)-100ppm	VP69004	03/13/2018	09/13/2018	sam
FROM 17.500ml of V8378 + 2.500ml of VP69002 = Final Quantity: 20.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP69007	03/08/2018	09/08/2018	sam
FROM 0.800ml of V8273 + 9.200ml of V8238 = Final Quantity: 10.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
617	8260 Surrogate, 400PPM	VP69553	04/04/2018	10/04/2018	sam
FROM 0.400ml of V6644 + 24.600ml of V8360 = Final Quantity: 25.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1738	8260 surrogate 20 ppm	VP69587	04/04/2018	10/04/2018	sam
FROM 0.020ml of V6644 + 24.990ml of V8360 = Final Quantity: 25.000 ml					

STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP71187	05/19/2018	06/25/2018	sam
<p>FROM 0.400ml of V8331 + 0.800ml of V8293 + 0.800ml of V8342 + 0.800ml of V8349 + 0.800ml of V8397 + 0.800ml of V8471 + 1.000ml of V8126 + 1.200ml of V8292 + 1.200ml of V8341 + 1.200ml of V8348 + 1.200ml of V8396 + 1.200ml of V8470 + 1.500ml of V8123 + 1.500ml of V8124 + 10.600ml of V8564 = Final Quantity: 25.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
245	8260 Calibration Working STD Mix-First source, 20PPM	VP71189	05/19/2018	06/25/2018	sam
<p>FROM 17.500ml of V8564 + 2.500ml of VP71187 = Final Quantity: 20.000 ml</p>					



STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP71191	05/19/2018	06/27/2018	sam
<p>FROM 0.160ml of V6521 + 0.800ml of V7760 + 0.800ml of V7761 + 0.800ml of V7827 + 0.800ml of V8257 + 0.800ml of V8303 + 0.800ml of V8329 + 0.800ml of V8411 + 4.240ml of V8564 = Final Quantity: 10.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
719	8260 Working STD (BCM)-First source, 400PPM	VP71527	05/30/2018	11/18/2018	sam
<p>FROM 0.500ml of V8161 + 1.500ml of V8156 + 1.500ml of V8158 + 1.500ml of V8160 + 20.000ml of V8581 = Final Quantity: 25.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
252	8260 Working STD (BCM)-First source, 100PPM	VP71529	05/30/2018	11/18/2018	sam
FROM 1.250ml of V8161 + 23.750ml of V8581 = Final Quantity: 25.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
253	8260 Working STD (BCM)-First source, 20PPM	VP71530	05/30/2018	11/18/2018	sam
FROM 0.250ml of V8160 + 24.750ml of V8581 = Final Quantity: 25.000 ml					

STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
247	8260 Internal Standard, 250PPM	VP71532	05/30/2018	10/23/2018	sam
<p>FROM 0.500ml of V7372 + 49.500ml of V8581 = Final Quantity: 50.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP71626	06/03/2018	06/30/2018	sam
<p>FROM 0.400ml of V8630 + 1.200ml of V8627 + 1.200ml of V8628 + 1.200ml of V8629 + 21.000ml of V8579 = Final Quantity: 25.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
180	8260 Working STD (Acrolein)-First source, 100PPM	VP71628	06/03/2018	06/30/2018	sam
<p>FROM 17.500ml of V8579 + 2.500ml of VP71626 = Final Quantity: 20.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
263	8260 Working STD (Acrolein)-Second source, 800PPM	VP71630	06/03/2018	06/30/2018	sam
<p>FROM 0.600ml of V8632 + 1.000ml of V8631 + 8.400ml of V8579 = Final Quantity: 10.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
334	1 PPB ICC, 8260-Water	VP71889	06/13/2018	06/14/2018	MMDadoda
<p>FROM 39.982ml of V1456 + 0.002ml of VP69004 + 0.002ml of VP69587 + 0.002ml of VP 71189 + 0.002ml of VP71530 + 0.002ml of VP71628 + 0.008ml of VP71532 = Final Quantity: 40.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
335	5 PPB ICC, 8260-Water	VP71890	06/13/2018	06/14/2018	MMDadoda
<p>FROM 39.942ml of V1456 + 0.008ml of VP71532 + 0.010ml of VP69004 + 0.010ml of VP69587 + 0.010ml of VP71189 + 0.010ml of VP71530 + 0.010ml of VP71628 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
337	20 PPB ICC, 8260-Water	VP71891	06/13/2018	06/14/2018	MMDadoda
<p>FROM 39.961ml of V1456 + 0.005ml of VP69002 + 0.005ml of VP71187 + 0.005ml of VP71626 + 0.008ml of VP68321 + 0.008ml of VP71529 + 0.008ml of VP71532 = Final Quantity: 40.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
380	50 PPB ICC, 8260-Water	VP71892	06/13/2018	06/14/2018	MMDadoda
<p>FROM 39.945ml of V1456 + 0.005ml of VP69553 + 0.005ml of VP71527 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP71187 + 0.013ml of VP71626 = Final Quantity: 40.000 ml</p>					



STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
381	100 PPB ICC, 8260-Water	VP71893	06/13/2018	06/14/2018	MMDadoda
FROM 39.897ml of V1456 + 0.008ml of VP71532 + 0.010ml of VP69553 + 0.010ml of VP71527 + 0.025ml of VP69002 + 0.025ml of VP71187 + 0.025ml of VP71626 = Final Quantity: 40.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
382	150 PPB ICC, 8260-Water	VP71894	06/13/2018	06/14/2018	MMDadoda
FROM 39.850ml of V1456 + 0.008ml of VP71532 + 0.015ml of VP69553 + 0.015ml of VP71527 + 0.038ml of VP69002 + 0.038ml of VP71187 + 0.038ml of VP71626 = Final Quantity: 40.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
385	50 PPB ICV, 8260-Water	VP71895	06/13/2018	06/14/2018	MMDadoda
FROM 39.930ml of V1456 + 0.005ml of VP69553 + 0.008ml of VP71532 + 0.013ml of VP69007 + 0.013ml of VP71191 + 0.013ml of VP71630 + 0.020ml of VP67831 = Final Quantity: 40.000 ml					
<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
589	BFB TUNE CHECK	VP72119	06/20/2018	06/21/2018	MMDadoda
FROM 39.984ml of V1456 + 0.016ml of VP67829 = Final Quantity: 40.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
589	BFB TUNE CHECK	VP72120	06/20/2018	06/21/2018	MMDadoda
<p>FROM 39.984ml of V1456 + 0.016ml of VP67829 = Final Quantity: 40.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
620	50 PPB CCC, 8260-Water	VP72121	06/20/2018	06/21/2018	MMDadoda
<p>FROM 39.945ml of V1456 + 0.005ml of VP69553 + 0.005ml of VP71527 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP71187 + 0.013ml of VP71626 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
620	50 PPB CCC, 8260-Water	VP72122	06/20/2018	06/21/2018	MMDadoda
<p>FROM 39.945ml of V1456 + 0.005ml of VP69553 + 0.005ml of VP71527 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP71187 + 0.013ml of VP71626 = Final Quantity: 40.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
620	50 PPB CCC, 8260-Water	VP72123	06/20/2018	06/21/2018	MMDadoda
<p>FROM 39.945ml of V1456 + 0.005ml of VP69553 + 0.005ml of VP71527 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP71187 + 0.013ml of VP71626 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
620	50 PPB CCC, 8260-Water	VP72124	06/20/2018	06/21/2018	MMDadoda
<u>FROM</u>	39.945ml of V1456 + 0.005ml of VP69553 + 0.005ml of VP71527 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP71187 + 0.013ml of VP71626 = Final Quantity: 40.000 ml				

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Res-Kem General water	DIW / DI Water	DAILY	12/31/2019	03/01/2010 / apatel	03/02/2010 / apatel	V1456

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0102518	04/30/2019	08/03/2017 / sam	07/14/2014 / sam	V5220

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0115385	11/30/2018	01/24/2018 / sam	01/14/2016 / sam	V6521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0118140	03/31/2019	01/10/2018 / sam	03/21/2016 / sam	V6644

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	101416	10/14/2021	01/12/2018 / sam	11/16/2016 / Sam	V7167

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	03/13/2018 / sam	11/16/2016 / Sam	V7174

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	03/13/2018 / sam	11/16/2016 / Sam	V7175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	03/13/2018 / sam	11/16/2016 / Sam	V7176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0123929	01/31/2020	04/03/2018 / sam	01/06/2017 / Sam	V7372

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0124187	01/31/2020	02/26/2018 / sam	06/14/2017 / sam	V7760

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0124187	01/31/2020	02/26/2018 / sam	06/14/2017 / sam	V7761

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	041116	11/18/2018	05/18/2018 / sam	07/18/2017 / sam	V7827

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0125322	11/18/2018	05/18/2018 / sam	11/03/2017 / sam	V8123

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0125322	11/18/2018	05/18/2018 / sam	11/03/2017 / sam	V8124

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0125322	11/18/2018	05/18/2018 / sam	11/03/2017 / sam	V8126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	05/30/2018 / sam	11/17/2012 / sam	V8156

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	05/30/2018 / sam	11/17/2012 / sam	V8158

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	05/30/2018 / sam	11/17/2012 / sam	V8160

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	05/30/2018 / sam	11/17/2012 / sam	V8161

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	02/09/2018 / sam	01/03/2018 / sam	V8236

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	03/01/2018 / sam	01/03/2018 / sam	V8238

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	01/19/2018 / sam	01/03/2018 / sam	V8242

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0133981	07/31/2018	05/18/2018 / sam	01/16/2018 / sam	V8257

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	012218	01/22/2021	03/08/2018 / sam	01/23/2018 / sam	V8273

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0133860	11/18/2018	05/18/2018 / sam	01/26/2018 / sam	V8292

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0133860	11/18/2018	05/18/2018 / sam	01/26/2018 / sam	V8293

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0131442	11/18/2018	05/18/2018 / sam	01/26/2018 / sam	V8303

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0133976	07/31/2018	05/18/2018 / sam	02/27/2018 / sam	V8329

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0133055	12/31/2020	04/03/2018 / sam	02/27/2018 / sam	V8331

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0134860	08/31/2018	05/18/2018 / sam	02/27/2018 / sam	V8341

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0134860	08/31/2018	05/18/2018 / sam	02/27/2018 / sam	V8342

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0135430	08/31/2018	05/18/2018 / sam	02/27/2018 / sam	V8348

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0135430	08/31/2018	05/18/2018 / sam	02/27/2018 / sam	V8349

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	04/04/2018 / sam	02/28/2018 / sam	V8360

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	03/13/2018 / sam	02/28/2018 / sam	V8378

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	030918	11/18/2018	05/18/2018 / sam	03/13/2018 / sam	V8396

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	030918	11/18/2018	05/18/2018 / sam	03/13/2018 / sam	V8397

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	030818	11/18/2018	05/18/2018 / sam	03/13/2018 / sam	V8411

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	111516	11/18/2018	05/18/2018 / sam	04/10/2018 / sam	V8470

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	111516	11/18/2018	05/18/2018 / sam	04/10/2018 / sam	V8471

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	178208	11/18/2018	05/18/2018 / sam	05/16/2018 / sam	V8564

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	178208	11/18/2018	06/03/2018 / sam	05/16/2018 / sam	V8579

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	178208	11/18/2018	05/24/2018 / sam	05/16/2018 / sam	V8581

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	053118	06/30/2018	06/03/2018 / sam	06/01/2018 / sam	V8627

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	053118	06/30/2018	06/03/2018 / sam	06/01/2018 / sam	V8628

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	053118	06/30/2018	06/03/2018 / sam	06/01/2018 / sam	V8629

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	053118	06/30/2018	06/03/2018 / sam	06/01/2018 / sam	V8630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	053018	06/30/2018	06/03/2018 / sam	06/01/2018 / sam	V8631

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	053018	06/30/2018	06/03/2018 / sam	06/01/2018 / sam	V8632

- 1
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- 16



CERTIFIED WEIGHT REPORT

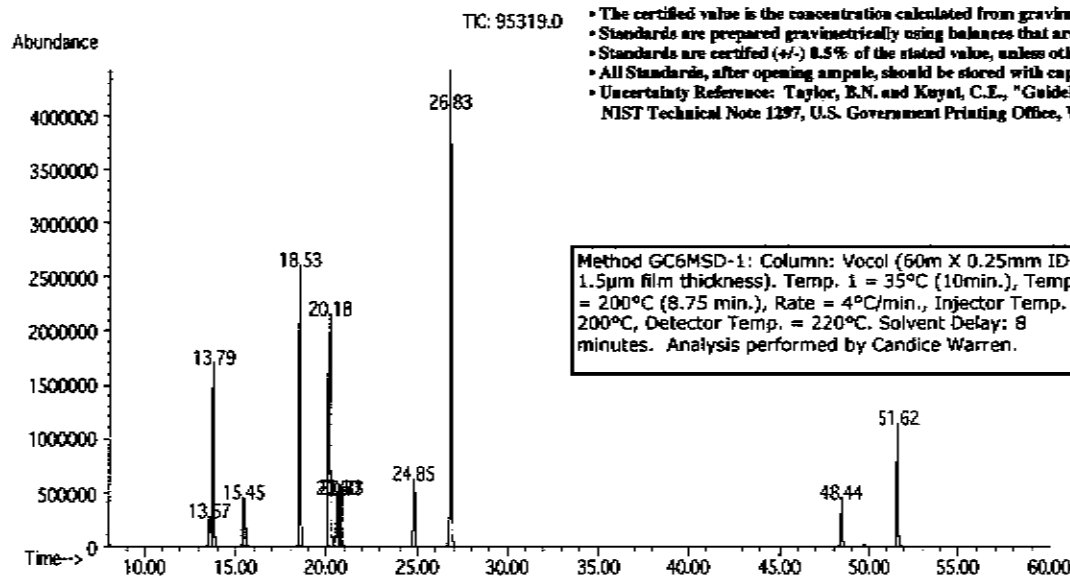
Part Number: 95319
Lot Number: 030818
Description: Revised Additions Mix
11 components
Expiration Date: 030821
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 2506734D

Solvent(s): Methanol
Lot# DS455

Paul Barron 030818
Formulated By: Paul Barron **DATE**
Pedro L. Ruelas 030818
Reviewed By: Pedro L. Ruelas **DATE**

Weight(s) shown below were combined and diluted to (mL): 100.0
0.001 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	SDS Information (Solvent Safety info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01065	10004.3	40.4	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20127	2002.4	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	13096TK	2000	99.5	0.2	0.20103	0.20117	2001.4	8.1	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20222	2001.8	8.1	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04116	40003.1	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20230	2002.6	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	50996APV	2000	99	0.2	0.20204	0.20223	2001.9	8.1	108-87-2	N/A	ori-mus 2250mg/kg
8. Methyl tert-butyl ether (MTBE)	209	AU 01134TR	2000	99.8	0.2	0.20042	0.20076	2003.4	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02088	20004.5	80.8	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00145	10003.4	40.1	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21521	2001.2	8.7	488-23-3	N/A	ori-rat 6408mg/kg



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
• Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62



CERTIFIED WEIGHT REPORT

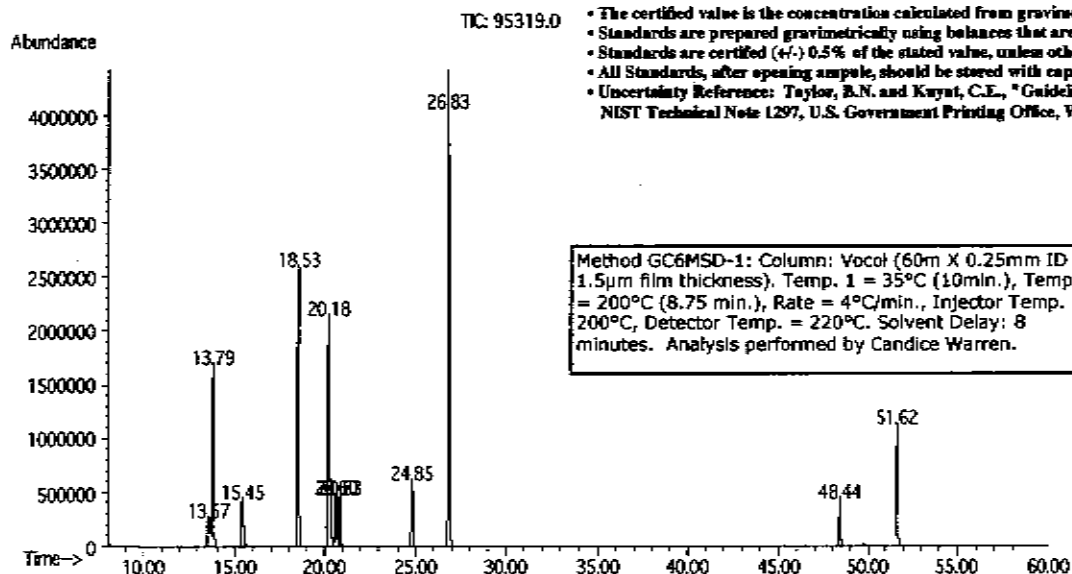
Part Number: 95319
Lot Number: 030918
Description: Revised Additions Mix
11 components
Expiration Date: 030921
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 2506734D

Solvent(s): Methanol
Lot#: DS435

Justin Dippold
030918
Formulated By: Justin Dippold **DATE:**
Pedro L. Rentas
030918
Reviewed By: Pedro L. Rentas **DATE:**

Weight(s) shown below were combined and diluted to (mL): 100.0 0.001 Balance Uncertainty 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01080	10005.8	40.4	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20130	2002.7	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	SHBD2795V	2000	99.5	0.2	0.20103	0.20113	2001.0	8.1	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20226	2002.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04105	40002.0	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20234	2002.9	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpp 4970mg/kg
7. Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20204	0.20231	2002.6	8.2	108-87-2	N/A	ori-mus 2250mg/kg
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20042	0.20070	2002.8	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02102	20005.9	80.8	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00161	10005.0	40.1	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21515	2000.7	8.7	488-23-3	N/A	ori-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62



CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **053018**
Description: **Acrolein**

Solvent(s): **Water**
Lot#: **020618Q**

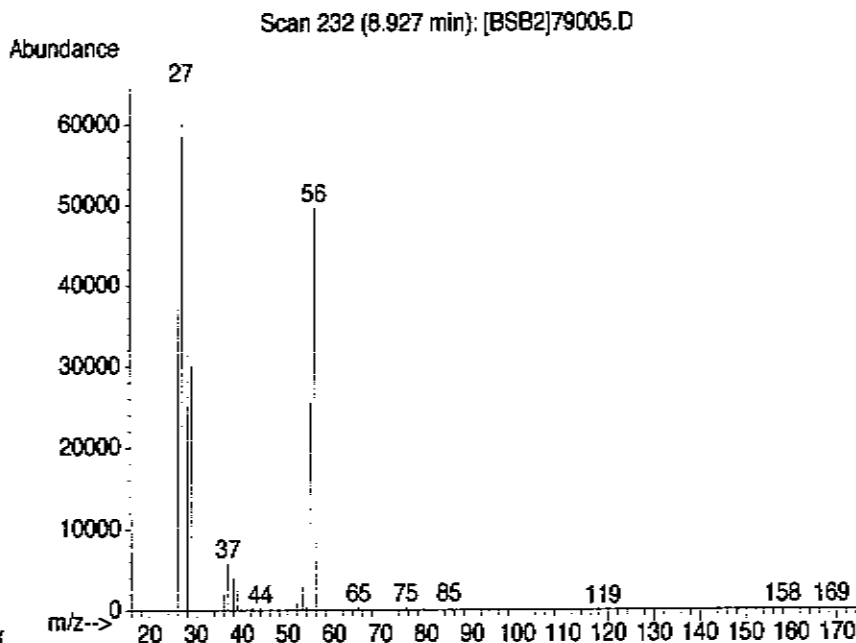
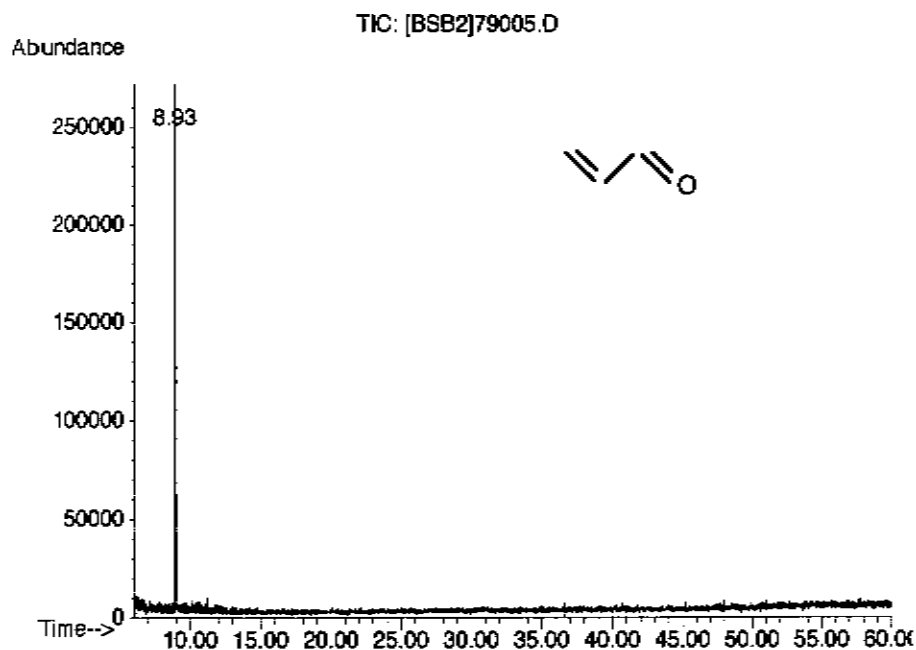
<i>V. K. Criscio, Jr.</i>		053018
Formulated By:	Vincent K. Criscio, Jr.	DATE
<i>Pedro L. Rentas</i>		053018
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **063018**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **5000**
NIST Test ID#: **2684186**

Weight(s) shown below were combined and diluted to (mL): **10.0**
5E-05 Balance Uncertainty
0.007 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LDSO
1. Acrolein	5	04715LL	5000	97	0.2	0.05157	0.05160	5003.2	23.8	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: VooGL (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 053118
Description: Acrolein

Solvent(s): Water
Lot# 020618Q

<i>Mario Luis</i>	053118
Formulated By: Mario Luis	DATE
<i>Pedro Rentas</i>	053118
Reviewed By: Pedro L. Rentas	DATE

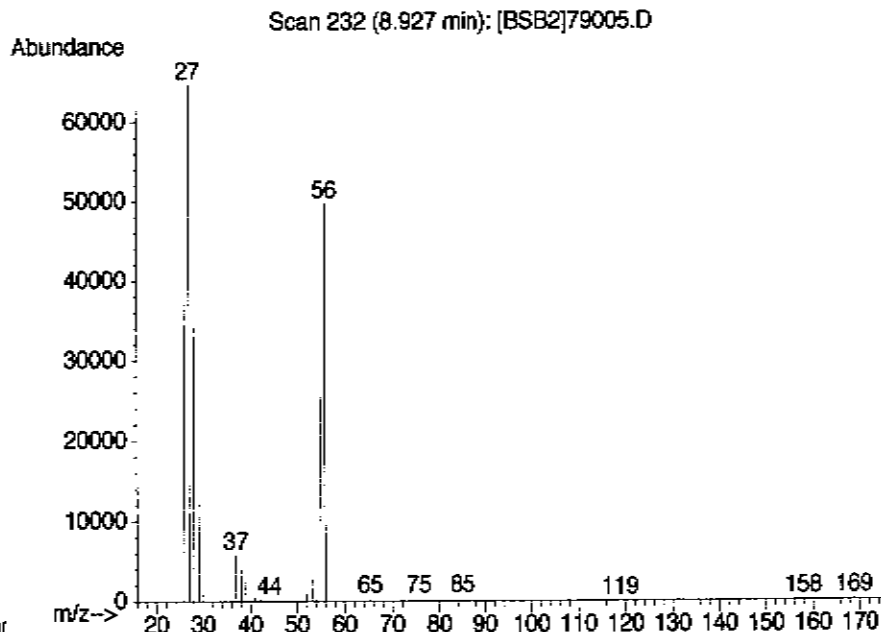
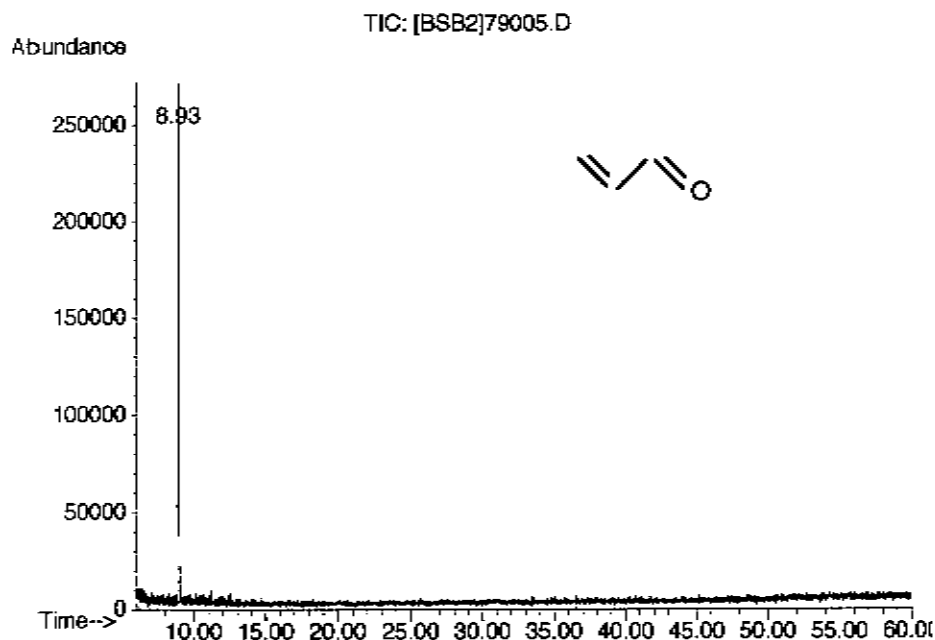
Expiration Date: 063018
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 2684186

Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Balance Uncertainty 5E-05 0.002 Flask Uncertainty

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)

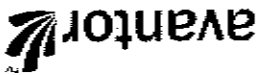
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	07813BN	5000	97	0.2	0.10302	0.10305	5001.6	21.2	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vooel (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

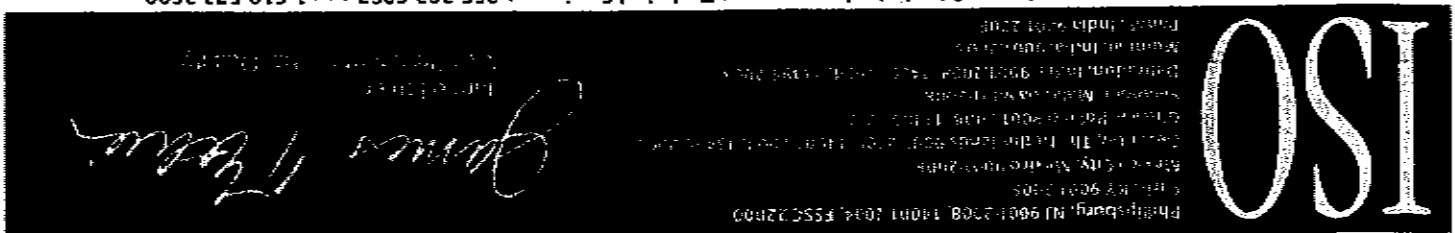


Material No.: 9077-02
Batch No.: 0000178208
Manufactured Date: 2017/06/23
Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1,000 ppm	0.3000
Titrable Acid (yeq/g)	<= 0.3	0.2
Titrable Base (yeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste
Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.
3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600, Fax: 610.573.2610



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

Certificate of Analysis



www.restek.com

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. :	<u>30470</u>	Lot No.:	<u>A0115385</u>
Description :	<u>tert-Butanol Standard</u>		
	<u>tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul</u>		
Container Size :	<u>2 mL</u>	Pkg Amt:	<u>> 1 mL</u>
Expiration Date :	<u>November 30, 2018</u>	Storage:	<u>0°C or colder</u>

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L. : K=2)		
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBD0362V)	50,026.0 µg/mL	+/- 292.9132	µg/mL	Gravimetric
			+/- 1,071.6232	µg/mL	Unstressed
			+/- 1,102.7451	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0124187

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetone	5,007.5 µg/mL	+/- 29.1140 µg/mL Gravimetric	
	CAS # 67-64-1 (Lot SHBH0922V)			+/- 302.1247 µg/mL Unstressed
	Purity 99%			+/- 302.8420 µg/mL Stressed
2	2-Butanone (MEK)	5,017.5 µg/mL	+/- 29.1722 µg/mL Gravimetric	
	CAS # 78-93-3 (Lot SHBF2461V)			+/- 302.7280 µg/mL Unstressed
	Purity 99%			+/- 303.4467 µg/mL Stressed
3	4-Methyl-2-pentanone (MIBK)	5,005.4 µg/mL	+/- 29.1018 µg/mL Gravimetric	
	CAS # 108-10-1 (Lot SHBG3630V)			+/- 301.9980 µg/mL Unstressed
	Purity 99%			+/- 302.7150 µg/mL Stressed
4	2-Hexanone	5,007.7 µg/mL	+/- 29.1152 µg/mL Gravimetric	
	CAS # 591-78-6 (Lot MKBW0198V)			+/- 302.1367 µg/mL Unstressed
	Purity 99%			+/- 302.8541 µg/mL Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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Certificate of Composition



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0133981

Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Union Order	Component	Conc. Conc. (weight/volume)	Expanded Uncertainty (95% CI, K=2)			
1	Vinyl acetate CAS # 108-05-4 Purity 99% (Lot STBD7333V)	8,014.0 µg/mL	+/- 47.0306	µg/mL	Gravimetric	
			+/- 483.5624	µg/mL	Unstressed	
			+/- 484.7103	µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



avantor™

Material No.: 9077-02
Batch No.: 0000177891
Manufactured Date: 2017/06/23
Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.4000
Titration Acid (µeq/g)	<= 0.3	0.3
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photolization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panaji, India 9001:2008

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 012218
Description: 2-Chloroethyl vinyl ether
Solvent(s): Methanol
Lot# DS435

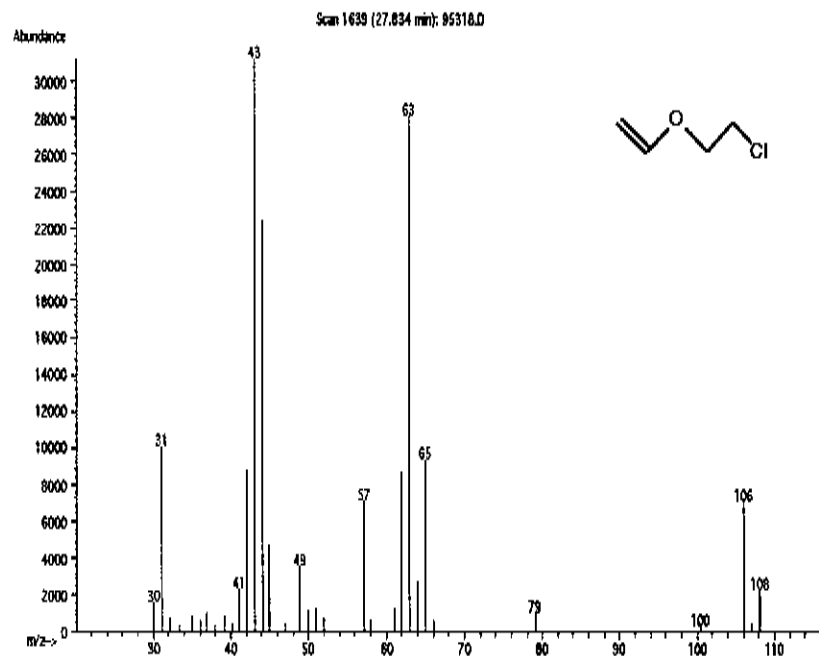
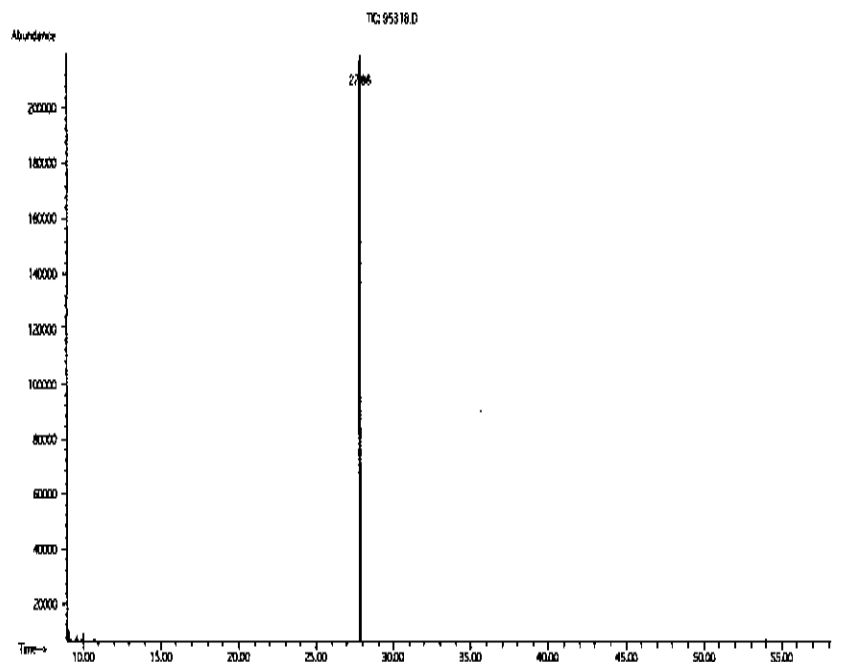
<i>Mario Luis</i>	012218
Formulated By: Mario Luis	DATE
<i>Pedro L. Rentas</i>	012218
Reviewed By: Pedro L. Rentas	DATE

Expiration Date: 012221
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 2506734D
Weight(s) shown below were combined and diluted to (mL): 25.0
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)
Uncertainty (+/-) (µg/mL) CAS# OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	03208CI	10000	99	0.2	0.25256	0.02528	1000.9	5.7	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst:** Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **021616**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
DM417

<i>Gabriel Helland</i>		021616
Formulated By:	Gabriel Helland	DATE
<i>Pedro L. Rentas</i>		021616
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 021619
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 822-275872-11
Weight(s) shown below were combined and diluted to (mL): 25.0

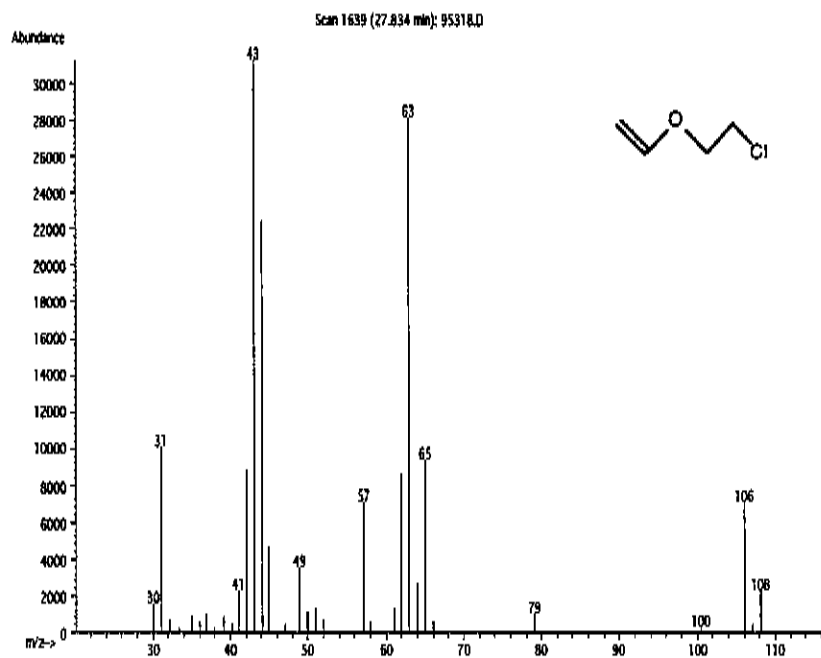
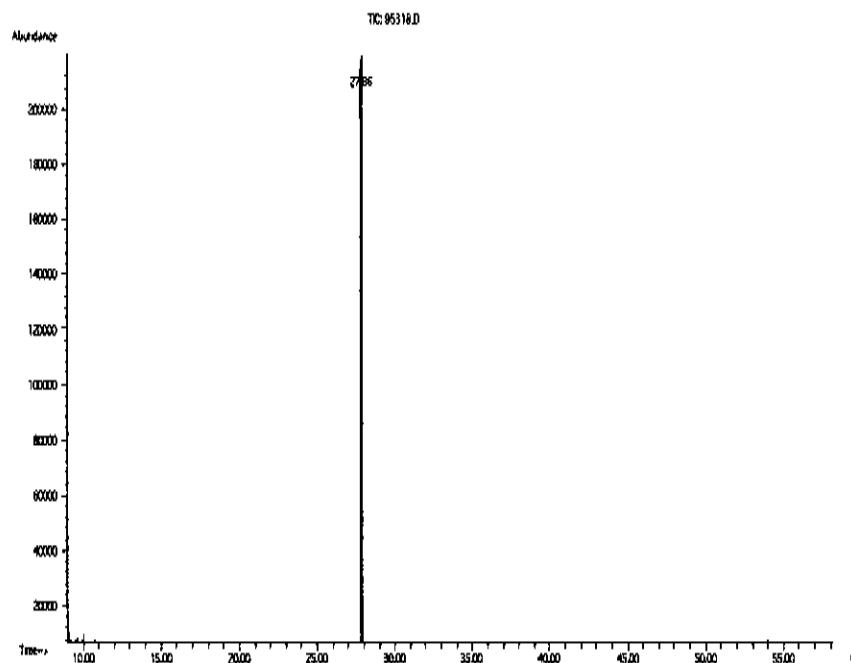
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	03206CI	10000	99	0.2	0.25254	0.25295	10016.2	40.9	110-75-8	N/A	ori-rat 250mg/kg

1. 2-Chloroethyl vinyl ether 74 03206CI 10000 99 0.2 0.25254 0.25295 10016.2 40.9 110-75-8 N/A ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp. = 200°C, Detector B Temp. = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampole, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 70046
Lot Number: 101416
Description: Bromochloromethane

Solvent(s): Methanol
Lot# DP303

		101416
Formulated By:	Jason Criscio	DATE
		101416
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 101421
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 822-275872-11

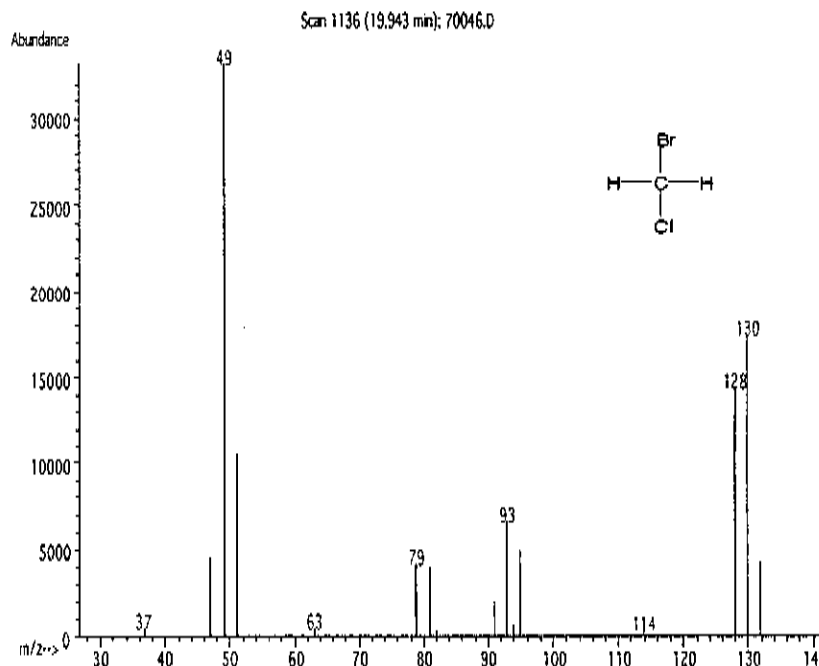
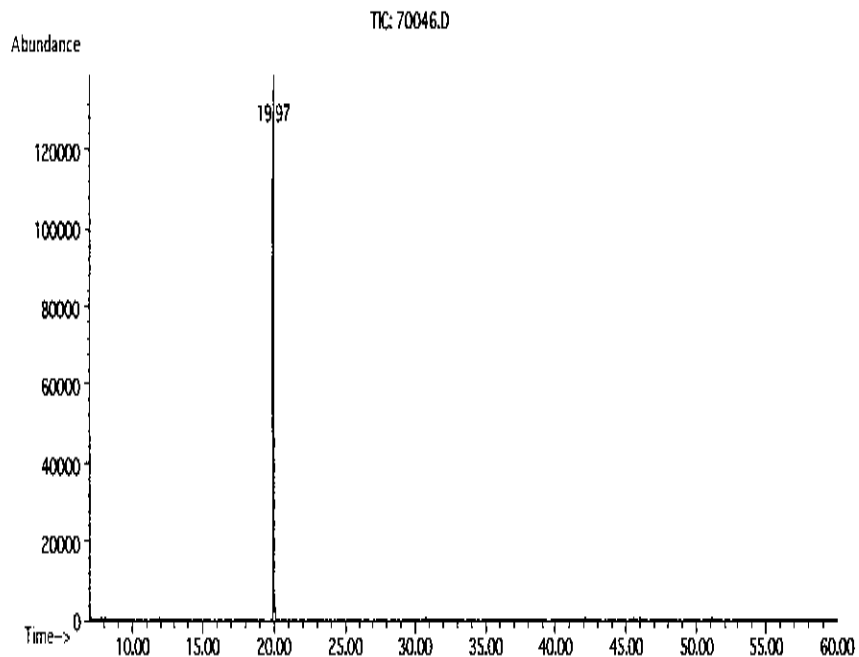
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 25.0 0.002 Flask Uncertainty

Expanded **MSDS Information**
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Bromochloromethane	46	AY01	1000	99	0.2	0.02526	0.02540	1005.7	5.7	74-97-5	200 ppm (1050mg/m3/8H)	or-rat 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B= 200°C, Detector B = 220°C. Analyst: Candice Warren



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Certificate of Analysis

5 vials
 Rec 07/14/14



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 30067 Lot No.: A0102518
 Description: 4-Bromofluorobenzene Standard
4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol,
1mL/ampul
 Container Size: 2 mL Pkg Amt: > 1 mL
 Expiration Date: April 30, 2019 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 (Lot 01127COV) Purity 99%	2,506.0 µg/mL	+/- 14.7066	µg/mL	Gravimetric
			+/- 28.3294	µg/mL	Unstressed
			+/- 32.5790	µg/mL	Stressed

Solvent: P&T Methanol
 CAS # 67-56-1
 Purity 99%



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Catalog No. : 555582 **Lot No.:** A0118140
Description : Custom 8260A/B Surrogate Mix
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2019 **Storage:** 10°C or colder

CERTIFIED VALUES

Component #	Compound	Grav. Conc (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	1,2-Dichloroethane-d4	25,036.0 µg/mL	+/-	231.6879	µg/mL	Gravimetric
	CAS # 17060-07-0 (Lot 12K-027)		+/-	1,415.2694	µg/mL	Unstressed
	Purity 99%		+/-	1,447.8538	µg/mL	Stressed
2	1-Bromo-4-fluorobenzene (BFB)	25,016.0 µg/mL	+/-	231.5028	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KOV)		+/-	1,414.1388	µg/mL	Unstressed
	Purity 99%		+/-	1,446.6971	µg/mL	Stressed
3	Dibromofluoromethane	25,036.0 µg/mL	+/-	231.6879	µg/mL	Gravimetric
	CAS # 1868-53-7 (Lot 032015)		+/-	1,415.2694	µg/mL	Unstressed
	Purity 99%		+/-	1,447.8538	µg/mL	Stressed
4	Toluene-d8	25,032.0 µg/mL	+/-	231.6508	µg/mL	Gravimetric
	CAS # 2037-26-5 (Lot PR-26282)		+/-	1,415.0433	µg/mL	Unstressed
	Purity 99%		+/-	1,447.6224	µg/mL	Stressed



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0123929

Description : Custom 8260 Internal Standard Mix
Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2020 **Storage:** 10°C or colder

CERTIFIED VALUES

Component #	Compound	Concentration (weight/volume)	Expanded Uncertainty (95% C.I. K=2)	Method
1	1,4-Dichlorobenzene-d4 CAS # 3855-82-1 Purity 99% (Lot PR-18488)	25,088.0 µg/mL	+/- 232.1691 µg/mL	Gravimetric
			+/- 1,418.2089 µg/mL	Unstressed
			+/- 1,450.8610 µg/mL	Stressed
2	1,4-Difluorobenzene CAS # 540-36-3 Purity 99% (Lot MKBN8571V)	25,144.0 µg/mL	+/- 232.6873 µg/mL	Gravimetric
			+/- 1,421.3746 µg/mL	Unstressed
			+/- 1,454.0995 µg/mL	Stressed
3	Chlorobenzene-d5 CAS # 3114-55-4 Purity 99% (Lot PR-23926)	25,012.0 µg/mL	+/- 231.4658 µg/mL	Gravimetric
			+/- 1,413.9127 µg/mL	Unstressed
			+/- 1,446.4658 µg/mL	Stressed
4	Pentafluorobenzene CAS # 363-72-4 Purity 99% (Lot MKBT9337V)	25,224.0 µg/mL	+/- 233.4276 µg/mL	Gravimetric
			+/- 1,425.8969 µg/mL	Unstressed
			+/- 1,458.7260 µg/mL	Stressed



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Catalog No. : 30006 **Lot No.:** A0125322
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Label Order	Component	Concentration (µg/mL)	Accepted Range (µg/mL)	Measurement Range (µg/mL)	Measurement Method
1	Acetone	5,013.0	µg/mL	+/- 29.4191	Gravimetric
	CAS # 67-64-1 (Lot SHBH0922V)			+/- 302.4829	Unstressed
	Purity 99%			+/- 303.2010	Stressed
2	2-Butanone (MEK)	5,018.0	µg/mL	+/- 29.4484	Gravimetric
	CAS # 78-93-3 (Lot SHBF2461V)			+/- 302.7846	Unstressed
	Purity 99%			+/- 303.5034	Stressed
3	4-Methyl-2-pentanone (MIBK)	5,042.0	µg/mL	+/- 29.5893	Gravimetric
	CAS # 108-10-1 (Lot SHBG3630V)			+/- 304.2328	Unstressed
	Purity 99%			+/- 304.9550	Stressed
4	2-Hexanone	5,025.0	µg/mL	+/- 29.4895	Gravimetric
	CAS # 591-78-6 (Lot MKBW0198V)			+/- 303.2070	Unstressed
	Purity 99%			+/- 303.9268	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%



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Catalog No. : 30225 **Lot No.:** A0125405
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : February 28, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Feature Order	Compound	Concn. (weight/volume)	Expanded Uncertainty (k=2)	Method
1	Bromochloromethane CAS # 74-97-5 Purity 99% (Lot 00004559)	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 112.1643 µg/mL +/- 114.7876 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%





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Catalog No. : 30042 **Lot No.:** AQ131442
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2024 **Storage:** 0°C or colder

CERTIFIED VALUES

Flask Order	Compound	Concentration (weight/volume)	Expanded Uncertainty (95% C.I., K=2)			
1	Dichlorodifluoromethane (CFC-12) CAS # 75-71-8 (Lot Q167-08) Purity 99%	2,001.7 µg/mL	+/-	14.4547	µg/mL	Gravimetric
			+/-	112.5592	µg/mL	Unstressed
			+/-	115.1778	µg/mL	Stressed
2	Chloromethane (methyl chloride) CAS # 74-87-3 (Lot SHBG9707V) Purity 99%	2,001.6 µg/mL	+/-	13.7964	µg/mL	Gravimetric
			+/-	112.4738	µg/mL	Unstressed
			+/-	115.0942	µg/mL	Stressed
3	Vinyl chloride CAS # 75-01-4 (Lot 1026101231B1) Purity 99%	2,001.9 µg/mL	+/-	14.0001	µg/mL	Gravimetric
			+/-	112.5111	µg/mL	Unstressed
			+/-	115.1313	µg/mL	Stressed
4	Bromomethane (methyl bromide) CAS # 74-83-9 (Lot 101604) Purity 99%	2,001.0 µg/mL	+/-	13.1778	µg/mL	Gravimetric
			+/-	112.3658	µg/mL	Unstressed
			+/-	114.9871	µg/mL	Stressed
5	Chloroethane (ethyl chloride) CAS # 75-00-3 (Lot 23593) Purity 99%	2,001.2 µg/mL	+/-	14.0806	µg/mL	Gravimetric
			+/-	112.4863	µg/mL	Unstressed
			+/-	115.1054	µg/mL	Stressed
6	Trichlorofluoromethane (CFC-11) CAS # 75-69-4 (Lot SHBH4155V) Purity 99%	2,000.7 µg/mL	+/-	13.0893	µg/mL	Gravimetric
			+/-	112.3349	µg/mL	Unstressed
			+/-	114.9560	µg/mL	Stressed



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0133055

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95%, G1, K=2)
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBG9852V)	50,032.0 µg/mL	+/- 292.9484 µg/mL +/- 1,071.7518 µg/mL +/- 1,102.8773 µg/mL
			Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



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Catalog No.: 30489 **Lot No.:** A0133976
Description: 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul
Container Size: 2 mL **Pkg Amt:** > 1 mL
Expiration Date: July 31, 2018 **Storage:** 0°C or colder
Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Conc. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)			
1	Methyl acetate	2,001.0 µg/mL (Lot SHBD7134V)	+/-	11.7430	µg/mL	Gravimetric
	CAS # 79-20-9		+/-	120.7397	µg/mL	Unstressed
	Purity 99%		+/-	121.0264	µg/mL	Stressed
2	Vinyl acetate	2,014.0 µg/mL (Lot STBD7333V)	+/-	11.8193	µg/mL	Gravimetric
	CAS # 108-05-4		+/-	121.5242	µg/mL	Unstressed
	Purity 99%		+/-	121.8126	µg/mL	Stressed
3	Ethyl acetate	2,007.0 µg/mL (Lot SHBH7407)	+/-	11.7782	µg/mL	Gravimetric
	CAS # 141-78-6		+/-	121.1018	µg/mL	Unstressed
	Purity 99%		+/-	121.3893	µg/mL	Stressed
4	Isopropyl acetate	2,001.0 µg/mL (Lot BCBN7598V)	+/-	11.7430	µg/mL	Gravimetric
	CAS # 108-21-4		+/-	120.7397	µg/mL	Unstressed
	Purity 99%		+/-	121.0264	µg/mL	Stressed
5	Propyl acetate	2,003.0 µg/mL (Lot FGL01)	+/-	11.7547	µg/mL	Gravimetric
	CAS # 109-60-4		+/-	120.8604	µg/mL	Unstressed
	Purity 99%		+/-	121.1473	µg/mL	Stressed
6	Butyl acetate	2,009.0 µg/mL (Lot SHBH0056V)	+/-	11.7899	µg/mL	Gravimetric
	CAS # 123-86-4		+/-	121.2225	µg/mL	Unstressed
	Purity 99%		+/-	121.5102	µg/mL	Stressed
7	Amyl acetate	2,004.0 µg/mL (Lot 41325/1)	+/-	11.7606	µg/mL	Gravimetric
	CAS # 628-63-7		+/-	120.9208	µg/mL	Unstressed
	Purity 99%		+/-	121.2078	µg/mL	Stressed



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Catalog No. : 30489 **Lot No.:** A0134860
Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2018 **Storage:** 0°C or colder
Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)			
1	Methyl acetate	2,004.5 µg/mL (Lot SHBD7134V)	+/-	11.7635	µg/mL	Gravimetric
	CAS # 79-20-9		+/-	120.9509	µg/mL	Unstressed
	Purity 99%		+/-	121.2380	µg/mL	Stressed
2	Vinyl acetate	2,004.5 µg/mL (Lot STBD7333V)	+/-	11.7635	µg/mL	Gravimetric
	CAS # 108-05-4		+/-	120.9509	µg/mL	Unstressed
	Purity 99%		+/-	121.2380	µg/mL	Stressed
3	Ethyl acetate	2,006.0 µg/mL (Lot SHBH7407)	+/-	11.7723	µg/mL	Gravimetric
	CAS # 141-78-6		+/-	121.0414	µg/mL	Unstressed
	Purity 99%		+/-	121.3288	µg/mL	Stressed
4	Isopropyl acetate	2,000.5 µg/mL (Lot BCBN7598V)	+/-	11.7401	µg/mL	Gravimetric
	CAS # 108-21-4		+/-	120.7096	µg/mL	Unstressed
	Purity 99%		+/-	120.9961	µg/mL	Stressed
5	Propyl acetate	2,000.5 µg/mL (Lot FGL01)	+/-	11.7401	µg/mL	Gravimetric
	CAS # 109-60-4		+/-	120.7096	µg/mL	Unstressed
	Purity 99%		+/-	120.9961	µg/mL	Stressed
6	Butyl acetate	2,006.5 µg/mL (Lot SHBH0056V)	+/-	11.7753	µg/mL	Gravimetric
	CAS # 123-86-4		+/-	121.0716	µg/mL	Unstressed
	Purity 99%		+/-	121.3590	µg/mL	Stressed
7	Amyl acetate	2,006.5 µg/mL (Lot 41325/1)	+/-	11.7753	µg/mL	Gravimetric
	CAS # 628-63-7		+/-	121.0716	µg/mL	Unstressed
	Purity 99%		+/-	121.3590	µg/mL	Stressed



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)358-1688
Fax: (814)353-1309

www.restek.com

Certificate of Composition



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0135430

Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Flution Order	Chemical Name	Concn. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)	Method
1	Vinyl acetate CAS # 108-05-4 Purity 99% (Lot STBD7333V)	8,034.0 µg/mL	+/- 47.1480 µg/mL +/- 484.7692 µg/mL +/- 485.9199 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Certificate of Analysis



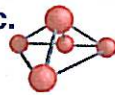
FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** AQ133860
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : September 30, 2024 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Stock Concentration (µg/mL)	Expanded Uncertainty, (95% Confidence)		
1	Dichlorodifluoromethane (CFC-12) CAS # 75-71-8 (Lot Q167-08) Purity 99%	1,998.8 µg/mL	+/- 14.4274 µg/mL +/- 112.3986 µg/mL +/- 115.0135 µg/mL	Gravimetric Unstressed Stressed	
2	Chloromethane (methyl chloride) CAS # 74-87-3 (Lot SHBH5831) Purity 99%	1,999.5 µg/mL	+/- 14.0384 µg/mL +/- 112.3858 µg/mL +/- 115.0028 µg/mL	Gravimetric Unstressed Stressed	
3	Vinyl chloride CAS # 75-01-4 (Lot 00012557) Purity 99%	2,003.8 µg/mL	+/- 19.9391 µg/mL +/- 113.5098 µg/mL +/- 116.1124 µg/mL	Gravimetric Unstressed Stressed	
4	Bromomethane (methyl bromide) CAS # 74-83-9 (Lot 101604) Purity 99%	2,002.0 µg/mL	+/- 15.8849 µg/mL +/- 112.7689 µg/mL +/- 115.3835 µg/mL	Gravimetric Unstressed Stressed	
5	Chloroethane (ethyl chloride) CAS # 75-00-3 (Lot 107-401039114-1) Purity 99%	1,999.9 µg/mL	+/- 16.6181 µg/mL +/- 112.7603 µg/mL +/- 115.3698 µg/mL	Gravimetric Unstressed Stressed	
6	Trichlorofluoromethane (CFC-11) CAS # 75-69-4 (Lot SHBG7531V) Purity 99%	2,001.7 µg/mL	+/- 13.7650 µg/mL +/- 112.4716 µg/mL +/- 115.0921 µg/mL	Gravimetric Unstressed Stressed	



CERTIFIED WEIGHT REPORT: Uncertainty < +,-0.5% Stated Values.

Part Number: 95317 Lot Number: 041116 Description: Universal VOA Megamix 69 components Expiration Date: 041119 Recommended Storage: Freezer (0 °C) Nominal Concentration(ug/mL): 2000 NIST Test ID#: 822-275872-11

Solvent(s): Methanol Lot#: DM417Q19

Formulated By: Paul Barron DATE: 041116 Reviewed By: Pedro L. Rentas DATE: 041116

Weight(s) & Volume(s) shown below were combined and diluted to: 100 mL

MSDS Information (Solvent Safety Info. On Attached pg.)

Table with 15 columns: Compound, (RM#) Part Number, Lot Number, Dil Factor, Initial Vol (mL), Initial Conc (ug/mL), Nominal Conc (ug/mL), Purity (%), Max. Target Weight(g), Actual Weight(g), Actual Conc (ug/mL), CAS#, OSHA PEL (TWA), LD50. Lists various chemical compounds and their properties.



Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



avantor™

Material No.: 9077-02
Batch No.: 0000177891
Manufactured Date: 2017/06/23
Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.4000
Titration Acid (µeq/g)	<= 0.3	0.3
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001-2009, 11001-2004, FSSC 22000
Paris, KY 9001-2008
Mexico City, Mexico 9001-2008
Deventer, The Netherlands 9001-2008, 14001-2007, 13491-2013
Gdansk, Poland 9001-2008, 13491-2013
Selangor, Malaysia 9001-2008
Dehradun, India 9001-2008, 14001-2005, 13491-2013
Mumbai, India 9001-2008
Pune, India 9001-2008

James T. Baker
James T. Baker
President
Avantor Performance Materials, LLC

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

SHIPPING DOCUMENTS

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CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Day Environmental, Inc.
 ADDRESS: 1563 Lyell Avenue
 CITY: Rochester STATE: NY ZIP: 14606
 ATTENTION: Jeff Danzinger
 PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT PROJECT INFORMATION

PROJECT NAME: Andrews Sts Site
 PROJECT NO.: 53345-17 LOCATION: Rochester, NY
 PROJECT MANAGER: Jeff Danzinger
 e-mail: jdanzinger@daymail.net
 PHONE: 585-454-0210 FAX: 585-454-0825

CLIENT BILLING INFORMATION

BILL TO: Day Environmental, Inc. PO#: 53345-17
 ADDRESS: 1563 Lyell Avenue
 CITY: Rochester STATE: NY ZIP: 14606
 ATTENTION: Jeff Danzinger PHONE: 585-454-0210

DATA TURNAROUND INFORMATION

FAX: _____ DAYS * 5
 HARD COPY: _____ DAYS *
 EDD: 15 _____ DAYS *
 PREAPPROVED TAT: YES NO
 STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

RESULTS ONLY USEPA CLP
 RESULTS + QC New York State ASP "B"
 New Jersey REDUCED New York State ASP "A"
 New Jersey CLP Other
 EDD FORMAT NYDEC Epir Excl

MeOH extraction requires an additional 4 oz jar for percent solid.

1	2	3	4	5	6	7	8	9
MeOH extraction requires an additional 4 oz jar for percent solid.								

CHEMTECH SAMPLE ID	PROJECT IDENTIFICATION
1.	540 - IW - 6
2.	541 - IW - 13
3.	542 - IW - 14
4.	543 - IW - 15
5.	544 - IW - 16
6.	545 - IW - 21
7.	546 - IW - 22
8.	547 - TBO6131B
9.	
10.	

SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION DATE	TIME	# OF BOTTLES
GW	X	6-13-18	13:40	2
GW	X	6-13-18	13:50	2
GW	X	6-13-18	13:55	2
GW	X	6-13-18	13:59	2
GW	X	6-13-18	14:04	2
GW	X	6-13-18	14:09	2
GW	X	6-13-18	14:15	2
AQ	X	6-13-18	-	2

PRESERVATIVES		COMMENTS	
1	2	3	4
A/E			

← Specify Preservatives
 A - HCl B - HNO₃
 C - H₂SO₄ D - NaOH
 E - ICE F - Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Cot Demion	RECEIVED BY: 1. [Signature]
RELINQUISHED BY: 2. [Signature]	RECEIVED BY: 2. FED-EX
RELINQUISHED BY: 3. [Signature]	RECEIVED FOR LAB BY: 3. [Signature]

Comments: Pink purple color due to KMnO₄

Cooler Temp.: 5.3 °C
 Shipment Complete: Yes No
 By Client: YES
 By Chemtech: _____

FedEx Ship Manager - Print Your Label(s)

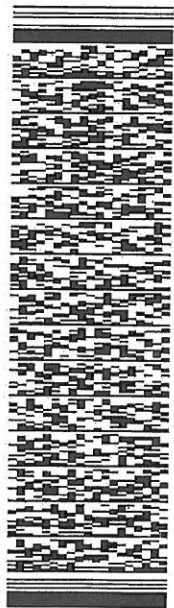
FROM: JEFF DANZINGER (585) 454-0210
DAY ENVIRONMENTAL INC.
1563 LVELL AVENUE
ROCHESTER NY 14606
US

CAD: 107979030/INNET3980

TO Cass SM
CHEMTECH
284 Sheffield St

MOUNTAINSIDE NJ 07092 (US)
(908) 789-8900
INV. REF B1806024
PO: DEPT:

RMA:



018118012601LV

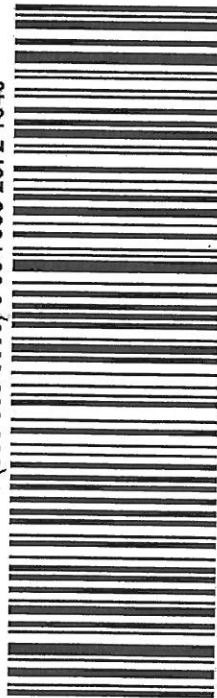


RETURN

TRK# 7908 2872 1640

07092

9622 0137 0 (000 000 0000) 0 00 7908 2872 1640



Handwritten: J3577
Rochester 6/18/18
S.30

1. Select the 'Print' button to print 1 copy of each label.
2. The Return Shipment instructions, which provide your recipient with information on the returns process, will be printed with the label(s).
3. After printing, select your next step by clicking one of the displayed buttons.

Note: To review or print individual labels, select the Label button under each label image above.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : J3577 **DAYE01** **Order Date :** 06/13/2018 **Project Mgr :**
Client Name : Day Environmental, Inc. **Project Name :** Andrew St. RI **Report Type :** NYS ASP B
Client Contact : Jeff Danzinger **Receive Date Time :** 6/18/2018 12:15:00 PM **EDD Type :** Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc. **Purchase Order :** **Hard Copy Date :**
Invoice Contact : Jeff Danzinger **Login Tech :** JAragona **Date Signoff :**

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMENT	FAX DATE	DUE DATES
J3577-01	540-IW-6	Water	06/13/2018	13:40	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3577-02	541-IW-13	Water	06/13/2018	13:50	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3577-03	542-IW-14	Water	06/13/2018	13:55	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3577-04	543-IW-15	Water	06/13/2018	13:59	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3577-05	544-IW-16	Water	06/13/2018	14:04	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3577-06	545-IW-21	Water	06/13/2018	14:09	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3577-07	546-IW-22	Water	06/13/2018	14:15	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J3577-08	547-TB061318	Water	06/13/2018	00:00	VOC-TCLVOA-10		8260-Low			5 Bus. Days






LOGIN REPORT/SAMPLE TRANSFER


Order ID : J3577 DAYE01
 Client Name : Day Environmental, Inc.
 Client Contact : Jeff Danzinger
 Invoice Name : Day Environmental, Inc.
 Invoice Contact : Jeff Danzinger

Order Date : 06/13/2018
 Project Name : Andrew St. RI
 Receive DateTime : 6/18/2018 12:15:00 PM
 Purchase Order :
 Login Tech : Jaragona

Project Mgr :
 Report Type : NYS ASP B
 EDD Type : Equis_EQNYDEC/Excel
 Hard Copy Date :
 Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMENT	FAX DATE	DUE DATES
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Relinquished By : 
 Date / Time : 6/18/18

Received By : 
 Date / Time : 06/18/18

Storage Area : VOA Refrigerator Room



**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : ANDREW ST. RI

**DAY ENVIRONMENTAL, INC.
Canalside Business Center, 1563 Lyell Avenue**

**Rochester, NY - 14606
Phone No: 585-454-0210**

**ORDER ID : J4465
ATTENTION : Jeff Danzinger**



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Cover Page

Order ID : J4465

Project ID : Andrew St. RI

Client : Day Environmental, Inc.

Lab Sample Number

J4465-01
J4465-02
J4465-03
J4465-04
J4465-05
J4465-06
J4465-07
J4465-08
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J4465-10
J4465-11
J4465-12
J4465-13
J4465-14
J4465-15
J4465-16
J4465-17

Client Sample Number

940-MW-01(23)
941-MW-02(23.8)
942-MW-03A(17)
943-MW-04(23)
944-MW-05(17)
J4465-05MS
J4465-05MSD
945-MW-06(17)
946-MW-07(22.5)
947-MW-11(15)
948-MW-15(17)
949-MW-16(22.5)
950-MW-17(15.5)
951-MW-18(21.5)
952-MW-19(28)
953-MW-20(22)
954-FB081318

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :



APPROVED

Date: 8/21/2018
By Mildred V Reyes, QAQC Supervisor at 7:48 am, Aug 27, 2018

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE**Day Environmental, Inc.****Project Name: Andrew St. RI****Project # N/A****Chemtech Project # J4465****Test Name: VOC-TCLVOA-10****A. Number of Samples and Date of Receipt:**

17 Water samples were received on 08/14/2018.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD recoveries met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 82N081418W.M) for Chloromethane, Bromomethane, Chloroethane, Acetone, Methyl Acetate, Methylene Chloride, Styrene, Cyclohexane, 1,1,2,2-Tetrachloroethane, 1,2,4-Trichlorobenzene and 1,2,3-Trichlorobenzene compounds are passing on Linear regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

Samples 940-MW-01(23), 942-MW-03A (17), 947-MW-11(15), 950-MW-17(15.5) and 952-MW-19(28) were diluted due to high concentrations.

Lab did not receive the trip Blank sample and it is notified in communication with ROC in the sdg..

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature__ *Mildred V Reyes*

APPROVED

By Mildred V Reyes, QAQC Supervisor at 7:47 am, Aug 27, 2018

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: J4465

MATRIX: Water

METHOD: 8260-Low

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4. GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements. The %RSD is greater than 15% in the Initial Calibration (Method 82N081418W.M) for Chloromethane, Bromomethane, Chloroethane, Acetone, Methyl Acetate, Methylene Chloride , Styrene, Cyclohexane , 1,1,2,2-Tetrachloroethanethese, 1,2,4- Trichlorobenzene and 1,2,3-Trichlorobenzene compounds are passing on Linear regression . The Continuous Calibration met the requirements.		✓	
6. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9. Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10. Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

Samples 940-MW-01(23), 942-MW-03A (17), 947-MW-11(15), 950-MW-17(15.5) and 952-MW-19(28)

Were diluted due to high concentrations.

Lab did not receive the trip Blank sample and it is notified in communication with
ROC in the sdg..

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW

REVIEWED

Date

By kalpana at 4:26 pm, Aug 24, 2018

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: J4465

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page) ✓

Check chain-of-custody for proper relinquish/return of samples ✓

Is the chain of custody signed and complete ✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts ✓

Collect information for each project id from server. Were all requirements followed ✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page ✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody ✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results ✓

Do requested analyses on Chain of Custody agree with the log-in page ✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody ✓

Were the samples received within hold time ✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle ✓

ANALYTICAL:

Was method requirement followed? ✓

Was client requirement followed? ✓

Does the case narrative summarize all QC failure? ✓

All runlogs and manual integration are reviewed for requirements ✓

All manual calculations and /or hand notations verified ✓

1st Level QA Review Signature: MOHINI SONI

Date: 08/21/2018

2nd Level QA Review Signature:

REVIEWED
By kalpana at 4:26 pm, Aug 24, 2018

Date: _____





284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID: J4465	OrderDate: 8/14/2018 11:16:00 AM
Client: Day Environmental, Inc.	Project: Andrew St. RI
Contact: Jeff Danzinger	Location:

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
J4465-01	940-MW-01(23)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18
J4465-01DL	940-MW-01(23)DL	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18
J4465-02	941-MW-02(23.8)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18
J4465-03	942-MW-03A(17)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18
J4465-03DL	942-MW-03A(17)DL	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18
J4465-04	943-MW-04(23)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18
J4465-05	944-MW-05(17)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/14/18	08/14/18
J4465-08	945-MW-06(17)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18
J4465-09	946-MW-07(22.5)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18
J4465-10	947-MW-11(15)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18
J4465-10DL	947-MW-11(15)DL	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18
J4465-11	948-MW-15(17)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18

LAB CHRONICLE

J4465-12	949-MW-16(22.5)	Water	VOC-TCLVOA-10	8260-Low	08/13/18	08/15/18	08/14/18
J4465-13	950-MW-17(15.5)	Water	VOC-TCLVOA-10	8260-Low	08/13/18	08/15/18	08/14/18
J4465-13DL	950-MW-17(15.5)DL	Water	VOC-TCLVOA-10	8260-Low	08/13/18	08/15/18	08/14/18
J4465-14	951-MW-18(21.5)	Water	VOC-TCLVOA-10	8260-Low	08/13/18	08/15/18	08/14/18
J4465-15	952-MW-19(28)	Water	VOC-TCLVOA-10	8260-Low	08/13/18	08/15/18	08/14/18
J4465-15DL	952-MW-19(28)DL	Water	VOC-TCLVOA-10	8260-Low	08/13/18	08/15/18	08/14/18
J4465-16	953-MW-20(22)	Water	VOC-TCLVOA-10	8260-Low	08/13/18	08/15/18	08/14/18
J4465-17	954-FB081318	Water	VOC-TCLVOA-10	8260-Low	08/13/18	08/14/18	08/14/18

Hit Summary Sheet SW-846

 SDG No.: J4465

 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: 940-MW-01(23)									
J4465-01	940-MW-01(23)	Water	Vinyl Chloride	0.52	J	0.2	0.2	1	ug/L
J4465-01	940-MW-01(23)	Water	Acetone	5.30		0.5	1	5	ug/L
J4465-01	940-MW-01(23)	Water	cis-1,2-Dichloroethene	140.00		0.2	0.2	1	ug/L
J4465-01	940-MW-01(23)	Water	Trichloroethene	160.00	E	0.2	0.2	1	ug/L
J4465-01	940-MW-01(23)	Water	Tetrachloroethene	2,700.00	E	0.2	0.2	1	ug/L
Total Voc :				3005.82					
Total Concentration:				3005.82					
Client ID: 940-MW-01(23)DL									
J4465-01DL	940-MW-01(23)DL	Water	cis-1,2-Dichloroethene	140.00	D	20	20	100	ug/L
J4465-01DL	940-MW-01(23)DL	Water	Trichloroethene	160.00	D	20	20	100	ug/L
J4465-01DL	940-MW-01(23)DL	Water	Tetrachloroethene	4,400.00	D	20	20	100	ug/L
Total Voc :				4700					
Total Concentration:				4700					
Client ID: 941-MW-02(23.8)									
J4465-02	941-MW-02(23.8)	Water	Vinyl Chloride	1.00		0.2	0.2	1	ug/L
J4465-02	941-MW-02(23.8)	Water	Acetone	7.10		0.5	1	5	ug/L
J4465-02	941-MW-02(23.8)	Water	trans-1,2-Dichloroethene	1.20		0.2	0.2	1	ug/L
J4465-02	941-MW-02(23.8)	Water	cis-1,2-Dichloroethene	30.90		0.2	0.2	1	ug/L
J4465-02	941-MW-02(23.8)	Water	Trichloroethene	36.80		0.2	0.2	1	ug/L
J4465-02	941-MW-02(23.8)	Water	Tetrachloroethene	79.40		0.2	0.2	1	ug/L
Total Voc :				156.4					
J4465-02	941-MW-02(23.8)	Water	Isobutane	* 7.90	J	0		0	ug/L
Total Tics :				7.9					
Total Concentration:				164.3					
Client ID: 942-MW-03A(17)									
J4465-03	942-MW-03A(17)	Water	Vinyl Chloride	0.50	J	0.2	0.2	1	ug/L
J4465-03	942-MW-03A(17)	Water	Acetone	3.80	J	0.5	1	5	ug/L
J4465-03	942-MW-03A(17)	Water	cis-1,2-Dichloroethene	70.70		0.2	0.2	1	ug/L
J4465-03	942-MW-03A(17)	Water	Trichloroethene	76.40		0.2	0.2	1	ug/L
J4465-03	942-MW-03A(17)	Water	Tetrachloroethene	690.00	E	0.2	0.2	1	ug/L
Total Voc :				841.4					
Total Concentration:				841.4					
Client ID: 942-MW-03A(17)DL									
J4465-03DL	942-MW-03A(17)DL	Water	cis-1,2-Dichloroethene	67.50	D	2	2	10	ug/L
J4465-03DL	942-MW-03A(17)DL	Water	Trichloroethene	72.40	D	2	2	10	ug/L
J4465-03DL	942-MW-03A(17)DL	Water	Tetrachloroethene	610.00	D	2	2	10	ug/L
Total Voc :				749.9					
Total Concentration:				749.9					
Client ID: 943-MW-04(23)									

Hit Summary Sheet SW-846

SDG No.: J4465
 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
J4465-04	943-MW-04(23)	Water	Tetrachloroethene	0.49	J	0.2	0.2	1	ug/L
			Total Voc :	0.49					
			Total Concentration:	0.49					
Client ID:	944-MW-05(17)								
J4465-05	944-MW-05(17)	Water	Acetone	2.60	J	0.5	1	5	ug/L
J4465-05	944-MW-05(17)	Water	Trichloroethene	0.72	J	0.2	0.2	1	ug/L
J4465-05	944-MW-05(17)	Water	Tetrachloroethene	42.20		0.2	0.2	1	ug/L
			Total Voc :	45.52					
			Total Concentration:	45.52					
Client ID:	945-MW-06(17)								
J4465-08	945-MW-06(17)	Water	Trichloroethene	0.37	J	0.2	0.2	1	ug/L
J4465-08	945-MW-06(17)	Water	Tetrachloroethene	7.00		0.2	0.2	1	ug/L
			Total Voc :	7.37					
			Total Concentration:	7.37					
Client ID:	946-MW-07(22.5)								
J4465-09	946-MW-07(22.5)	Water	Tetrachloroethene	7.90		0.2	0.2	1	ug/L
			Total Voc :	7.9					
			Total Concentration:	7.9					
Client ID:	947-MW-11(15)								
J4465-10	947-MW-11(15)	Water	Vinyl Chloride	0.42	J	0.2	0.2	1	ug/L
J4465-10	947-MW-11(15)	Water	Acetone	4.70	J	0.5	1	5	ug/L
J4465-10	947-MW-11(15)	Water	cis-1,2-Dichloroethene	6.40		0.2	0.2	1	ug/L
J4465-10	947-MW-11(15)	Water	Trichloroethene	12.70		0.2	0.2	1	ug/L
J4465-10	947-MW-11(15)	Water	Tetrachloroethene	320.00	E	0.2	0.2	1	ug/L
			Total Voc :	344.22					
			Total Concentration:	344.22					
Client ID:	947-MW-11(15)DL								
J4465-10DL	947-MW-11(15)DL	Water	cis-1,2-Dichloroethene	7.10	JD	2	2	10	ug/L
J4465-10DL	947-MW-11(15)DL	Water	Trichloroethene	13.50	D	2	2	10	ug/L
J4465-10DL	947-MW-11(15)DL	Water	Tetrachloroethene	280.00	D	2	2	10	ug/L
			Total Voc :	300.6					
			Total Concentration:	300.6					
Client ID:	948-MW-15(17)								
J4465-11	948-MW-15(17)	Water	Trichloroethene	0.29	J	0.2	0.2	1	ug/L
J4465-11	948-MW-15(17)	Water	Tetrachloroethene	5.60		0.2	0.2	1	ug/L
			Total Voc :	5.89					
			Total Concentration:	5.89					
Client ID:	949-MW-16(22.5)								
J4465-12	949-MW-16(22.5)	Water	Acetone	7.70		0.5	1	5	ug/L
J4465-12	949-MW-16(22.5)	Water	Methylene Chloride	0.62	J	0.2	0.2	1	ug/L
J4465-12	949-MW-16(22.5)	Water	cis-1,2-Dichloroethene	1.00		0.2	0.2	1	ug/L

Hit Summary Sheet SW-846

SDG No.: J4465
 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
J4465-12	949-MW-16(22.5)	Water	Chloroform	0.39	J	0.2	0.2	1	ug/L
J4465-12	949-MW-16(22.5)	Water	Trichloroethene	1.10		0.2	0.2	1	ug/L
J4465-12	949-MW-16(22.5)	Water	Dibromochloromethane	0.28	J	0.2	0.2	1	ug/L
J4465-12	949-MW-16(22.5)	Water	Tetrachloroethene	7.00		0.2	0.2	1	ug/L
Total Voc :				18.09					
Total Concentration:				18.09					
Client ID:	950-MW-17(15.5)								
J4465-13	950-MW-17(15.5)	Water	Acetone	4.90	J	0.5	1	5	ug/L
J4465-13	950-MW-17(15.5)	Water	cis-1,2-Dichloroethene	37.40		0.2	0.2	1	ug/L
J4465-13	950-MW-17(15.5)	Water	Trichloroethene	72.10		0.2	0.2	1	ug/L
J4465-13	950-MW-17(15.5)	Water	Tetrachloroethene	2,700.00	E	0.2	0.2	1	ug/L
Total Voc :				2814.4					
Total Concentration:				2814.4					
Client ID:	950-MW-17(15.5)DL								
J4465-13DL	950-MW-17(15.5)DL	Water	cis-1,2-Dichloroethene	39.00	JD	20	20	100	ug/L
J4465-13DL	950-MW-17(15.5)DL	Water	Trichloroethene	64.00	JD	20	20	100	ug/L
J4465-13DL	950-MW-17(15.5)DL	Water	Tetrachloroethene	3,500.00	D	20	20	100	ug/L
Total Voc :				3603					
Total Concentration:				3603					
Client ID:	951-MW-18(21.5)								
J4465-14	951-MW-18(21.5)	Water	Acetone	7.50		0.5	1	5	ug/L
J4465-14	951-MW-18(21.5)	Water	cis-1,2-Dichloroethene	2.90		0.2	0.2	1	ug/L
J4465-14	951-MW-18(21.5)	Water	Trichloroethene	2.90		0.2	0.2	1	ug/L
J4465-14	951-MW-18(21.5)	Water	Tetrachloroethene	50.60		0.2	0.2	1	ug/L
Total Voc :				63.9					
Total Concentration:				63.9					
Client ID:	952-MW-19(28)								
J4465-15	952-MW-19(28)	Water	Vinyl Chloride	1.60		0.2	0.2	1	ug/L
J4465-15	952-MW-19(28)	Water	Acetone	3.80	J	0.5	1	5	ug/L
J4465-15	952-MW-19(28)	Water	cis-1,2-Dichloroethene	27.80		0.2	0.2	1	ug/L
J4465-15	952-MW-19(28)	Water	Trichloroethene	33.30		0.2	0.2	1	ug/L
J4465-15	952-MW-19(28)	Water	Tetrachloroethene	200.00	E	0.2	0.2	1	ug/L
Total Voc :				266.5					
Total Concentration:				266.5					
Client ID:	952-MW-19(28)DL								
J4465-15DL	952-MW-19(28)DL	Water	Vinyl Chloride	1.70	JD	0.8	0.8	4	ug/L
J4465-15DL	952-MW-19(28)DL	Water	Acetone	2.60	JD	2	4	20	ug/L
J4465-15DL	952-MW-19(28)DL	Water	cis-1,2-Dichloroethene	26.10	D	0.8	0.8	4	ug/L
J4465-15DL	952-MW-19(28)DL	Water	Trichloroethene	31.30	D	0.8	0.8	4	ug/L
J4465-15DL	952-MW-19(28)DL	Water	Tetrachloroethene	170.00	D	0.8	0.8	4	ug/L

Hit Summary Sheet SW-846

SDG No.: J4465
 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Voc :				231.7					
Total Concentration:				231.7					
Client ID:	953-MW-20(22)								
J4465-16	953-MW-20(22)	Water	Acetone	6.80		0.5	1	5	ug/L
J4465-16	953-MW-20(22)	Water	cis-1,2-Dichloroethene	1.20		0.2	0.2	1	ug/L
J4465-16	953-MW-20(22)	Water	Trichloroethene	3.10		0.2	0.2	1	ug/L
J4465-16	953-MW-20(22)	Water	Tetrachloroethene	4.10		0.2	0.2	1	ug/L
Total Voc :				15.2					
Total Concentration:				15.2					
Client ID:	954-FB081318								
J4465-17	954-FB081318	Water	Acetone	14.50		0.5	1	5	ug/L
Total Voc :				14.5					
J4465-17	954-FB081318	Water	1-Hexanol, 2-ethyl-	* 33.60	J	0		0	ug/L
J4465-17	954-FB081318	Water	Silanol, trimethyl-	* 9.10	J	0		0	ug/L
Total Tics :				42.7					
Total Concentration:				57.2					

QC
SUMMARY

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Surrogate Summary

 SDG No.: J4465

 Client: Day Environmental, Inc.

 Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
J4465-01	940-MW-01(23)	1,2-Dichloroethane-d4	50	48.45	97	61	141
		Dibromofluoromethane	50	49.16	98	69	133
		Toluene-d8	50	47.45	95	65	126
		4-Bromofluorobenzene	50	43.23	86	58	135
J4465-01DL	940-MW-01(23)DL	1,2-Dichloroethane-d4	50	52.75	105	61	141
		Dibromofluoromethane	50	50.06	100	69	133
		Toluene-d8	50	47.74	95	65	126
		4-Bromofluorobenzene	50	40.31	81	58	135
J4465-02	941-MW-02(23.8)	1,2-Dichloroethane-d4	50	51.32	103	61	141
		Dibromofluoromethane	50	50.31	101	69	133
		Toluene-d8	50	47.38	95	65	126
		4-Bromofluorobenzene	50	41.05	82	58	135
J4465-03	942-MW-03A(17)	1,2-Dichloroethane-d4	50	49.52	99	61	141
		Dibromofluoromethane	50	49.37	99	69	133
		Toluene-d8	50	47.08	94	65	126
		4-Bromofluorobenzene	50	39.28	79	58	135
J4465-03DL	942-MW-03A(17)DL	1,2-Dichloroethane-d4	50	51.94	104	61	141
		Dibromofluoromethane	50	50.4	101	69	133
		Toluene-d8	50	47.76	96	65	126
		4-Bromofluorobenzene	50	40.68	81	58	135
J4465-04	943-MW-04(23)	1,2-Dichloroethane-d4	50	52.65	105	61	141
		Dibromofluoromethane	50	50.49	101	69	133
		Toluene-d8	50	47.79	96	65	126
		4-Bromofluorobenzene	50	40.12	80	58	135
J4465-05	944-MW-05(17)	1,2-Dichloroethane-d4	50	53.3	107	61	141
		Dibromofluoromethane	50	48.92	98	69	133
		Toluene-d8	50	46.81	94	65	126
		4-Bromofluorobenzene	50	38.72	77	58	135
J4465-06MS	944-MW-05(17)MS	1,2-Dichloroethane-d4	50	50.14	100	61	141
		Dibromofluoromethane	50	50.41	101	69	133
		Toluene-d8	50	50.55	101	65	126
		4-Bromofluorobenzene	50	50.07	100	58	135
J4465-07MSD	944-MW-05(17)MSD	1,2-Dichloroethane-d4	50	49.29	99	61	141
		Dibromofluoromethane	50	49.32	99	69	133
		Toluene-d8	50	49.41	99	65	126
		4-Bromofluorobenzene	50	48.09	96	58	135
J4465-08	945-MW-06(17)	1,2-Dichloroethane-d4	50	53.11	106	61	141
		Dibromofluoromethane	50	49.8	100	69	133
		Toluene-d8	50	47.71	95	65	126
		4-Bromofluorobenzene	50	40.63	81	58	135
J4465-09	946-MW-07(22.5)	1,2-Dichloroethane-d4	50	53.4	107	61	141
		Dibromofluoromethane	50	50.43	101	69	133
		Toluene-d8	50	47.78	96	65	126
		4-Bromofluorobenzene	50	37.92	76	58	135
J4465-10	947-MW-11(15)	1,2-Dichloroethane-d4	50	52.16	104	61	141
		Dibromofluoromethane	50	50.06	100	69	133
		Toluene-d8	50	46.4	93	65	126
		4-Bromofluorobenzene	50	35.67	71	58	135
J4465-10DL	947-MW-11(15)DL	1,2-Dichloroethane-d4	50	53.07	106	61	141
		Dibromofluoromethane	50	50.88	102	69	133
		Toluene-d8	50	47.94	96	65	126
		4-Bromofluorobenzene	50	39.84	80	58	135

Surrogate Summary

 SDG No.: J4465

 Client: Day Environmental, Inc.

 Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
J4465-11	948-MW-15(17)	1,2-Dichloroethane-d4	50	53.02	106	61	141
		Dibromofluoromethane	50	50.8	102	69	133
		Toluene-d8	50	47.4	95	65	126
		4-Bromofluorobenzene	50	37.66	75	58	135
J4465-12	949-MW-16(22.5)	1,2-Dichloroethane-d4	50	54.67	109	61	141
		Dibromofluoromethane	50	49.87	100	69	133
		Toluene-d8	50	47.31	95	65	126
		4-Bromofluorobenzene	50	38.73	77	58	135
J4465-13	950-MW-17(15.5)	1,2-Dichloroethane-d4	50	49.55	99	61	141
		Dibromofluoromethane	50	49.91	100	69	133
		Toluene-d8	50	48.15	96	65	126
		4-Bromofluorobenzene	50	42.73	85	58	135
J4465-13DL	950-MW-17(15.5)DL	1,2-Dichloroethane-d4	50	53.16	106	61	141
		Dibromofluoromethane	50	50.1	100	69	133
		Toluene-d8	50	47.74	95	65	126
		4-Bromofluorobenzene	50	41.4	83	58	135
J4465-14	951-MW-18(21.5)	1,2-Dichloroethane-d4	50	53.76	108	61	141
		Dibromofluoromethane	50	51.11	102	69	133
		Toluene-d8	50	47.52	95	65	126
		4-Bromofluorobenzene	50	37.98	76	58	135
J4465-15	952-MW-19(28)	1,2-Dichloroethane-d4	50	51.15	102	61	141
		Dibromofluoromethane	50	49.94	100	69	133
		Toluene-d8	50	47.32	95	65	126
		4-Bromofluorobenzene	50	39.25	79	58	135
J4465-15DL	952-MW-19(28)DL	1,2-Dichloroethane-d4	50	52.94	106	61	141
		Dibromofluoromethane	50	51.03	102	69	133
		Toluene-d8	50	47.78	96	65	126
		4-Bromofluorobenzene	50	41.37	83	58	135
J4465-16	953-MW-20(22)	1,2-Dichloroethane-d4	50	53.01	106	61	141
		Dibromofluoromethane	50	50.38	101	69	133
		Toluene-d8	50	47.74	95	65	126
		4-Bromofluorobenzene	50	39.83	80	58	135
J4465-17	954-FB081318	1,2-Dichloroethane-d4	50	51.65	103	61	141
		Dibromofluoromethane	50	49.86	100	69	133
		Toluene-d8	50	47.21	94	65	126
		4-Bromofluorobenzene	50	38.91	78	58	135
VN0814WBL01	VN0814WBL01	1,2-Dichloroethane-d4	50	56.33	113	61	141
		Dibromofluoromethane	50	53.87	108	69	133
		Toluene-d8	50	50.62	101	65	126
		4-Bromofluorobenzene	50	39.09	78	58	135
VN0814WBL02	VN0814WBL02	1,2-Dichloroethane-d4	50	53.47	107	61	141
		Dibromofluoromethane	50	50.75	102	69	133
		Toluene-d8	50	47.05	94	65	126
		4-Bromofluorobenzene	50	36.23	72	58	135
VN0814WBS01	VN0814WBS01	1,2-Dichloroethane-d4	50	49.57	99	61	141
		Dibromofluoromethane	50	50.02	100	69	133
		Toluene-d8	50	49.23	98	65	126
		4-Bromofluorobenzene	50	46.41	93	58	135
VN0814WBS02	VN0814WBS02	1,2-Dichloroethane-d4	50	50.55	101	61	141
		Dibromofluoromethane	50	51.12	102	69	133
		Toluene-d8	50	50.94	102	65	126
		4-Bromofluorobenzene	50	48.75	98	58	135

Surrogate Summary

SDG No.: J4465

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN0815WBL01	VN0815WBL01	1,2-Dichloroethane-d4	50	50.36	101	61	141
		Dibromofluoromethane	50	49.66	99	69	133
		Toluene-d8	50	47	94	65	126
		4-Bromofluorobenzene	50	36.84	74	58	135
VN0815WBS01	VN0815WBS01	1,2-Dichloroethane-d4	50	46.76	94	61	141
		Dibromofluoromethane	50	47.48	95	69	133
		Toluene-d8	50	47.48	95	65	126
		4-Bromofluorobenzene	50	44.26	89	58	135

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: J4465

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	J4465-06MS	Client Sample ID :	944-MW-05(17)MS					Datafile :	VN050636.D			
Dichlorodifluoromethane	50	0	44.1	ug/L	88				47	161		
Chloromethane	50	0	49.3	ug/L	99				53	157		
Vinyl chloride	50	0	46.6	ug/L	93				57	149		
Bromomethane	50	0	49.3	ug/L	99				45	165		
Chloroethane	50	0	50.9	ug/L	102				47	166		
Trichlorofluoromethane	50	0	45.2	ug/L	90				51	165		
1,1,2-Trichlorotrifluoroethane	50	0	44.4	ug/L	89				61	145		
1,1-Dichloroethene	50	0	47.3	ug/L	95				55	148		
Acetone	250	2.6	250	ug/L	99				11	159		
Carbon disulfide	50	0	46.1	ug/L	92				13	149		
Methyl tert-butyl Ether	50	0	50.8	ug/L	102				60	145		
Methyl Acetate	50	0	44.1	ug/L	88				27	167		
Methylene Chloride	50	0	51.3	ug/L	103				56	146		
trans-1,2-Dichloroethene	50	0	48.4	ug/L	97				60	141		
1,1-Dichloroethane	50	0	47	ug/L	94				61	144		
Cyclohexane	50	0	47.3	ug/L	95				57	142		
2-Butanone	250	0	240	ug/L	96				42	145		
Carbon Tetrachloride	50	0	47.5	ug/L	95				60	140		
cis-1,2-Dichloroethene	50	0	48.8	ug/L	98				48	156		
Bromochloromethane	50	0	50.2	ug/L	100				59	146		
Chloroform	50	0	46.8	ug/L	94				63	140		
1,1,1-Trichloroethane	50	0	47	ug/L	94				65	140		
Methylcyclohexane	50	0	47.9	ug/L	96				62	128		
Benzene	50	0	49.3	ug/L	99				62	134		
1,2-Dichloroethane	50	0	48.6	ug/L	97				67	136		
Trichloroethene	50	0.72	49.3	ug/L	97				64	131		
1,2-Dichloropropane	50	0	48.8	ug/L	98				69	130		
Bromodichloromethane	50	0	48.4	ug/L	97				66	132		
4-Methyl-2-Pentanone	250	0	250	ug/L	100				57	148		
Toluene	50	0	51.3	ug/L	103				68	129		
t-1,3-Dichloropropene	50	0	49.1	ug/L	98				54	136		
cis-1,3-Dichloropropene	50	0	48	ug/L	96				56	133		
1,1,2-Trichloroethane	50	0	48.1	ug/L	96				68	134		
2-Hexanone	250	0	260	ug/L	104				46	158		
Dibromochloromethane	50	0	50.3	ug/L	101				59	136		
1,2-Dibromoethane	50	0	49.7	ug/L	99				65	138		
Tetrachloroethene	50	42.2	95.8	ug/L	107				29	137		
Chlorobenzene	50	0	48.5	ug/L	97				68	126		
Ethyl Benzene	50	0	51.4	ug/L	103				61	131		
m/p-Xylenes	100	0	100	ug/L	100				64	125		
o-Xylene	50	0	52.1	ug/L	104				65	126		
Styrene	50	0	48.1	ug/L	96				40	140		
Bromoform	50	0	49.1	ug/L	98				42	134		
Isopropylbenzene	50	0	49.6	ug/L	99				58	132		
1,1,2,2-Tetrachloroethane	50	0	51.6	ug/L	103				61	136		
1,3-Dichlorobenzene	50	0	47.6	ug/L	95				63	125		
1,4-Dichlorobenzene	50	0	46.2	ug/L	92				64	124		



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: J4465

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
1,2-Dichlorobenzene	50	0	47.4	ug/L	95				64	126		
1,2-Dibromo-3-Chloropropane	50	0	47	ug/L	94				57	139		
1,2,4-Trichlorobenzene	50	0	45.1	ug/L	90				57	130		
1,2,3-Trichlorobenzene	50	0	46.2	ug/L	92				57	131		

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: J4465

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
Lab Sample ID :	J4465-07MSD	Client Sample ID :	944-MW-05(17)MSD					Datafile :	VN050637.D			
Dichlorodifluoromethane	50	0	44.3	ug/L	89		0		47	161	20	
Chloromethane	50	0	49	ug/L	98		1		53	157	20	
Vinyl chloride	50	0	46.6	ug/L	93		0		57	149	20	
Bromomethane	50	0	51.8	ug/L	104		5		45	165	20	
Chloroethane	50	0	50.2	ug/L	100		1		47	166	20	
Trichlorofluoromethane	50	0	46	ug/L	92		2		51	165	20	
1,1,2-Trichlorotrifluoroethane	50	0	45.1	ug/L	90		2		61	145	20	
1,1-Dichloroethene	50	0	48.1	ug/L	96		2		55	148	20	
Acetone	250	2.6	250	ug/L	99		0		11	159	20	
Carbon disulfide	50	0	46.9	ug/L	94		2		13	149	20	
Methyl tert-butyl Ether	50	0	51.3	ug/L	103		1		60	145	20	
Methyl Acetate	50	0	47.1	ug/L	94		7		27	167	20	
Methylene Chloride	50	0	50.7	ug/L	101		1		56	146	20	
trans-1,2-Dichloroethene	50	0	48.3	ug/L	97		0		60	141	20	
1,1-Dichloroethane	50	0	47.7	ug/L	95		1		61	144	20	
Cyclohexane	50	0	48.6	ug/L	97		3		57	142	20	
2-Butanone	250	0	240	ug/L	96		0		42	145	20	
Carbon Tetrachloride	50	0	47.6	ug/L	95		0		60	140	20	
cis-1,2-Dichloroethene	50	0	48.9	ug/L	98		0		48	156	20	
Bromochloromethane	50	0	49.7	ug/L	99		1		59	146	20	
Chloroform	50	0	47.2	ug/L	94		1		63	140	20	
1,1,1-Trichloroethane	50	0	47.5	ug/L	95		1		65	140	20	
Methylcyclohexane	50	0	49.5	ug/L	99		3		62	128	20	
Benzene	50	0	49.6	ug/L	99		1		62	134	20	
1,2-Dichloroethane	50	0	48.2	ug/L	96		1		67	136	20	
Trichloroethene	50	0.72	48.7	ug/L	96		1		64	131	20	
1,2-Dichloropropane	50	0	49.3	ug/L	99		1		69	130	20	
Bromodichloromethane	50	0	48.1	ug/L	96		1		66	132	20	
4-Methyl-2-Pentanone	250	0	250	ug/L	100		0		57	148	20	
Toluene	50	0	50.4	ug/L	101		2		68	129	20	
t-1,3-Dichloropropene	50	0	48.4	ug/L	97		1		54	136	20	
cis-1,3-Dichloropropene	50	0	48.3	ug/L	97		1		56	133	20	
1,1,2-Trichloroethane	50	0	47.8	ug/L	96		1		68	134	20	
2-Hexanone	250	0	250	ug/L	100		4		46	158	20	
Dibromochloromethane	50	0	50	ug/L	100		1		59	136	20	
1,2-Dibromoethane	50	0	49.4	ug/L	99		1		65	138	20	
Tetrachloroethene	50	42.2	97	ug/L	110		3		29	137	20	
Chlorobenzene	50	0	48.9	ug/L	98		1		68	126	20	
Ethyl Benzene	50	0	52.3	ug/L	105		2		61	131	20	
m/p-Xylenes	100	0	100	ug/L	100		0		64	125	20	
o-Xylene	50	0	52.7	ug/L	105		1		65	126	20	
Styrene	50	0	48.1	ug/L	96		0		40	140	20	
Bromoform	50	0	48.2	ug/L	96		2		42	134	20	
Isopropylbenzene	50	0	52.2	ug/L	104		5		58	132	20	
1,1,2,2-Tetrachloroethane	50	0	52.6	ug/L	105		2		61	136	20	
1,3-Dichlorobenzene	50	0	48.8	ug/L	98		2		63	125	20	
1,4-Dichlorobenzene	50	0	47.9	ug/L	96		4		64	124	20	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: J4465

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec			RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High		
1,2-Dichlorobenzene	50	0	48.8	ug/L	98		3		64	126	20	
1,2-Dibromo-3-Chloropropane	50	0	47.4	ug/L	95		1		57	139	20	
1,2,4-Trichlorobenzene	50	0	46.4	ug/L	93		3		57	130	20	
1,2,3-Trichlorobenzene	50	0	48.7	ug/L	97		5		57	131	20	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J4465

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN050595.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0814WBS01	Dichlorodifluoromethane	20	19.2	ug/L	96			46	139	
	Chloromethane	20	19.5	ug/L	98			58	139	
	Vinyl chloride	20	18.8	ug/L	94			65	137	
	Bromomethane	20	16.7	ug/L	84			50	162	
	Chloroethane	20	19.6	ug/L	98			54	160	
	Trichlorofluoromethane	20	19.2	ug/L	96			67	143	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			71	136	
	1,1-Dichloroethene	20	19.3	ug/L	97			69	134	
	Acetone	100	110	ug/L	110			41	181	
	Carbon disulfide	20	19.1	ug/L	96			63	138	
	Methyl tert-butyl Ether	20	20.3	ug/L	102			72	136	
	Methyl Acetate	20	19.9	ug/L	100			51	158	
	Methylene Chloride	20	19.7	ug/L	99			67	138	
	trans-1,2-Dichloroethene	20	19.8	ug/L	99			72	132	
	1,1-Dichloroethane	20	19.2	ug/L	96			74	135	
	Cyclohexane	20	19.6	ug/L	98			67	132	
	2-Butanone	100	110	ug/L	110			64	146	
	Carbon Tetrachloride	20	19.6	ug/L	98			71	134	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			74	130	
	Bromochloromethane	20	19.8	ug/L	99			71	136	
	Chloroform	20	18.8	ug/L	94			74	134	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			74	133	
	Methylcyclohexane	20	20.4	ug/L	102			71	125	
	Benzene	20	20.1	ug/L	101			75	125	
	1,2-Dichloroethane	20	20	ug/L	100			76	130	
	Trichloroethene	20	19.5	ug/L	98			73	127	
	1,2-Dichloropropane	20	19.8	ug/L	99			76	125	
	Bromodichloromethane	20	19.4	ug/L	97			78	127	
	4-Methyl-2-Pentanone	100	100	ug/L	100			71	140	
	Toluene	20	20.2	ug/L	101			74	125	
	t-1,3-Dichloropropene	20	20	ug/L	100			74	131	
	cis-1,3-Dichloropropene	20	21	ug/L	105			74	128	
	1,1,2-Trichloroethane	20	19.9	ug/L	100			75	129	
	2-Hexanone	100	110	ug/L	110			62	153	
	Dibromochloromethane	20	19.6	ug/L	98			74	131	
	1,2-Dibromoethane	20	19.7	ug/L	99			74	129	
	Tetrachloroethene	20	19.5	ug/L	98			46	157	
	Chlorobenzene	20	19.8	ug/L	99			76	123	
	Ethyl Benzene	20	20.2	ug/L	101			75	126	
	m/p-Xylenes	40	41.1	ug/L	103			74	126	
	o-Xylene	20	20.2	ug/L	101			73	127	
	Styrene	20	19.1	ug/L	96			75	126	
	Bromoform	20	19.7	ug/L	99			66	130	
	Isopropylbenzene	20	20.5	ug/L	103			70	127	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/L	104			66	131	
	1,3-Dichlorobenzene	20	19.6	ug/L	98			70	125	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			71	124	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			71	126	
	1,2-Dibromo-3-Chloropropane	20	20.5	ug/L	103			62	134	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J4465
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low Datafile : VN050595.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0814WBS01	1,2,4-Trichlorobenzene	20	18.7	ug/L	94			62	129	
	1,2,3-Trichlorobenzene	20	19	ug/L	95			58	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J4465

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN050619.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0814WBS02	Dichlorodifluoromethane	20	19.2	ug/L	96			46	139	
	Chloromethane	20	20.2	ug/L	101			58	139	
	Vinyl chloride	20	19.3	ug/L	97			65	137	
	Bromomethane	20	19.6	ug/L	98			50	162	
	Chloroethane	20	20.2	ug/L	101			54	160	
	Trichlorofluoromethane	20	19.1	ug/L	96			67	143	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99			71	136	
	1,1-Dichloroethene	20	19.2	ug/L	96			69	134	
	Acetone	100	110	ug/L	110			41	181	
	Carbon disulfide	20	19.1	ug/L	96			63	138	
	Methyl tert-butyl Ether	20	20.1	ug/L	101			72	136	
	Methyl Acetate	20	20.6	ug/L	103			51	158	
	Methylene Chloride	20	20.4	ug/L	102			67	138	
	trans-1,2-Dichloroethene	20	19.7	ug/L	99			72	132	
	1,1-Dichloroethane	20	19.4	ug/L	97			74	135	
	Cyclohexane	20	19.5	ug/L	98			67	132	
	2-Butanone	100	98.7	ug/L	99			64	146	
	Carbon Tetrachloride	20	19.9	ug/L	100			71	134	
	cis-1,2-Dichloroethene	20	19.4	ug/L	97			74	130	
	Bromochloromethane	20	19.4	ug/L	97			71	136	
	Chloroform	20	19.2	ug/L	96			74	134	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			74	133	
	Methylcyclohexane	20	20.2	ug/L	101			71	125	
	Benzene	20	20.6	ug/L	103			75	125	
	1,2-Dichloroethane	20	20.5	ug/L	103			76	130	
	Trichloroethene	20	20	ug/L	100			73	127	
	1,2-Dichloropropane	20	20.2	ug/L	101			76	125	
	Bromodichloromethane	20	20	ug/L	100			78	127	
	4-Methyl-2-Pentanone	100	110	ug/L	110			71	140	
	Toluene	20	20.9	ug/L	104			74	125	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			74	131	
	cis-1,3-Dichloropropene	20	20.6	ug/L	103			74	128	
	1,1,2-Trichloroethane	20	20.3	ug/L	102			75	129	
	2-Hexanone	100	100	ug/L	100			62	153	
	Dibromochloromethane	20	20.2	ug/L	101			74	131	
	1,2-Dibromoethane	20	20.6	ug/L	103			74	129	
	Tetrachloroethene	20	20.2	ug/L	101			46	157	
	Chlorobenzene	20	20	ug/L	100			76	123	
	Ethyl Benzene	20	20.4	ug/L	102			75	126	
	m/p-Xylenes	40	41.9	ug/L	105			74	126	
	o-Xylene	20	20.6	ug/L	103			73	127	
	Styrene	20	19.5	ug/L	98			75	126	
	Bromoform	20	20.4	ug/L	102			66	130	
	Isopropylbenzene	20	20.7	ug/L	104			70	127	
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107			66	131	
	1,3-Dichlorobenzene	20	20	ug/L	100			70	125	
	1,4-Dichlorobenzene	20	19.6	ug/L	98			71	124	
	1,2-Dichlorobenzene	20	20.1	ug/L	101			71	126	
	1,2-Dibromo-3-Chloropropane	20	20.2	ug/L	101			62	134	

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846**

SDG No.: J4465
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low Datafile : VN050619.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0814WBS02	1,2,4-Trichlorobenzene	20	18.5	ug/L	93			62	129	
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93			58	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J4465

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN050642.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0815WBS01	Dichlorodifluoromethane	20	17.4	ug/L	87			46	139	
	Chloromethane	20	17.9	ug/L	90			58	139	
	Vinyl chloride	20	17.4	ug/L	87			65	137	
	Bromomethane	20	17	ug/L	85			50	162	
	Chloroethane	20	17.7	ug/L	89			54	160	
	Trichlorofluoromethane	20	17.2	ug/L	86			67	143	
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89			71	136	
	1,1-Dichloroethene	20	17.3	ug/L	86			69	134	
	Acetone	100	94.9	ug/L	95			41	181	
	Carbon disulfide	20	17	ug/L	85			63	138	
	Methyl tert-butyl Ether	20	17.5	ug/L	88			72	136	
	Methyl Acetate	20	17.9	ug/L	90			51	158	
	Methylene Chloride	20	17.8	ug/L	89			67	138	
	trans-1,2-Dichloroethene	20	17.2	ug/L	86			72	132	
	1,1-Dichloroethane	20	17.4	ug/L	87			74	135	
	Cyclohexane	20	17.7	ug/L	89			67	132	
	2-Butanone	100	90.5	ug/L	91			64	146	
	Carbon Tetrachloride	20	17.8	ug/L	89			71	134	
	cis-1,2-Dichloroethene	20	17.4	ug/L	87			74	130	
	Bromochloromethane	20	18.8	ug/L	94			71	136	
	Chloroform	20	17.4	ug/L	87			74	134	
	1,1,1-Trichloroethane	20	17.7	ug/L	89			74	133	
	Methylcyclohexane	20	18.2	ug/L	91			71	125	
	Benzene	20	18.3	ug/L	92			75	125	
	1,2-Dichloroethane	20	17.9	ug/L	90			76	130	
	Trichloroethene	20	17.9	ug/L	90			73	127	
	1,2-Dichloropropane	20	18	ug/L	90			76	125	
	Bromodichloromethane	20	17.5	ug/L	88			78	127	
	4-Methyl-2-Pentanone	100	90.9	ug/L	91			71	140	
	Toluene	20	18.7	ug/L	94			74	125	
	t-1,3-Dichloropropene	20	17.9	ug/L	90			74	131	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			74	128	
	1,1,2-Trichloroethane	20	18	ug/L	90			75	129	
	2-Hexanone	100	92.3	ug/L	92			62	153	
	Dibromochloromethane	20	18.1	ug/L	91			74	131	
	1,2-Dibromoethane	20	18.1	ug/L	91			74	129	
	Tetrachloroethene	20	17.9	ug/L	90			46	157	
	Chlorobenzene	20	17.8	ug/L	89			76	123	
	Ethyl Benzene	20	18.1	ug/L	91			75	126	
	m/p-Xylenes	40	37.1	ug/L	93			74	126	
	o-Xylene	20	18.1	ug/L	91			73	127	
	Styrene	20	17	ug/L	85			75	126	
	Bromoform	20	17.8	ug/L	89			66	130	
	Isopropylbenzene	20	19	ug/L	95			70	127	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97			66	131	
	1,3-Dichlorobenzene	20	17.9	ug/L	90			70	125	
	1,4-Dichlorobenzene	20	17.6	ug/L	88			71	124	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			71	126	
	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88			62	134	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary SW-846

SDG No.: J4465
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low Datafile : VN050642.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0815WBS01	1,2,4-Trichlorobenzene	20	16.1	ug/L	81			62	129	
	1,2,3-Trichlorobenzene	20	16.2	ug/L	81			58	130	

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- 16

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0814WBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: J4465SAS No.: J4465 SDG NO.: J4465Lab File ID: VN050593.DLab Sample ID: VN0814WBL01Date Analyzed: 08/14/2018Time Analyzed: 11:22GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0814WBS01	VN0814WBS01	VN050595.D	08/14/2018
944-MW-05 (17)	J4465-05	VN050615.D	08/14/2018

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0814WBL02

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: J4465SAS No.: J4465 SDG NO.: J4465Lab File ID: VN050618.DLab Sample ID: VN0814WBL02Date Analyzed: 08/14/2018Time Analyzed: 22:35GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0814WBS02	VN0814WBS02	VN050619.D	08/14/2018
954-FB081318	J4465-17	VN050621.D	08/14/2018
940-MW-01 (23)	J4465-01	VN050622.D	08/15/2018
942-MW-03A (17)	J4465-03	VN050624.D	08/15/2018
947-MW-11 (15)	J4465-10	VN050628.D	08/15/2018
950-MW-17 (15.5)	J4465-13	VN050631.D	08/15/2018
952-MW-19 (28)	J4465-15	VN050633.D	08/15/2018
944-MW-05 (17)MS	J4465-06MS	VN050636.D	08/15/2018
944-MW-05 (17)MSD	J4465-07MSD	VN050637.D	08/15/2018

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0815WBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: J4465SAS No.: J4465 SDG NO.: J4465Lab File ID: VN050640.DLab Sample ID: VN0815WBL01Date Analyzed: 08/15/2018Time Analyzed: 09:03GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0815WBS01	VN0815WBS01	VN050642.D	08/15/2018
940-MW-01 (23)DL	J4465-01DL	VN050646.D	08/15/2018
942-MW-03A (17)DL	J4465-03DL	VN050647.D	08/15/2018
947-MW-11 (15)DL	J4465-10DL	VN050648.D	08/15/2018
950-MW-17 (15.5)DL	J4465-13DL	VN050649.D	08/15/2018
952-MW-19 (28)DL	J4465-15DL	VN050650.D	08/15/2018
941-MW-02 (23.8)	J4465-02	VN050652.D	08/15/2018
943-MW-04 (23)	J4465-04	VN050653.D	08/15/2018
945-MW-06 (17)	J4465-08	VN050654.D	08/15/2018
946-MW-07 (22.5)	J4465-09	VN050655.D	08/15/2018
948-MW-15 (17)	J4465-11	VN050656.D	08/15/2018
949-MW-16 (22.5)	J4465-12	VN050657.D	08/15/2018
951-MW-18 (21.5)	J4465-14	VN050658.D	08/15/2018
953-MW-20 (22)	J4465-16	VN050659.D	08/15/2018

COMMENTS:



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG NO.: J4465
 Lab File ID: VN050583.D BFB Injection Date: 08/13/2018
 Instrument ID: MSVOA_N BFB Injection Time: 22:57
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	49
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.5 (1.6) 1
174	50.0 - 100.0% of mass 95	92.5
175	5.0 - 9.0% of mass 174	7.4 (8) 1
176	95.0 - 101.0% of mass 174	89.1 (96.2) 1
177	5.0 - 9.0% of mass 176	5.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN050584.D	08/13/2018	23:46
VSTDICC005	VSTDICC005	VN050585.D	08/14/2018	00:11
VSTDICC020	VSTDICC020	VN050586.D	08/14/2018	00:35
VSTDICCC050	VSTDICCC050	VN050587.D	08/14/2018	01:00
VSTDICC100	VSTDICC100	VN050588.D	08/14/2018	01:24
VSTDICC150	VSTDICC150	VN050589.D	08/14/2018	01:49



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG NO.: J4465
 Lab File ID: VN050591.D BFB Injection Date: 08/14/2018
 Instrument ID: MSVOA_N BFB Injection Time: 10:11
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	48.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.4 (0.4) 1
174	50.0 - 100.0% of mass 95	89.8
175	5.0 - 9.0% of mass 174	6.7 (7.5) 1
176	95.0 - 101.0% of mass 174	87.3 (97.2) 1
177	5.0 - 9.0% of mass 176	5.6 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN050592.D	08/14/2018	10:45
VN0814WBL01	VN0814WBL01	VN050593.D	08/14/2018	11:22
VN0814WBS01	VN0814WBS01	VN050595.D	08/14/2018	12:18
944-MW-05 (17)	J4465-05	VN050615.D	08/14/2018	20:32



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG NO.: J4465
 Lab File ID: VN050616.D BFB Injection Date: 08/14/2018
 Instrument ID: MSVOA_N BFB Injection Time: 21:21
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	47.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	93.9
175	5.0 - 9.0% of mass 174	7 (7.4) 1
176	95.0 - 101.0% of mass 174	89.6 (95.4) 1
177	5.0 - 9.0% of mass 176	6.1 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN050617.D	08/14/2018	21:46
VN0814WBL02	VN0814WBL02	VN050618.D	08/14/2018	22:35
VN0814WBS02	VN0814WBS02	VN050619.D	08/14/2018	23:00
954-FB081318	J4465-17	VN050621.D	08/14/2018	23:49
940-MW-01 (23)	J4465-01	VN050622.D	08/15/2018	00:14
942-MW-03A (17)	J4465-03	VN050624.D	08/15/2018	01:03
947-MW-11 (15)	J4465-10	VN050628.D	08/15/2018	02:42
950-MW-17 (15.5)	J4465-13	VN050631.D	08/15/2018	03:56
952-MW-19 (28)	J4465-15	VN050633.D	08/15/2018	04:45
944-MW-05 (17) MS	J4465-06MS	VN050636.D	08/15/2018	05:59
944-MW-05 (17) MSD	J4465-07MSD	VN050637.D	08/15/2018	06:23



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG NO.: J4465
 Lab File ID: VN050638.D BFB Injection Date: 08/15/2018
 Instrument ID: MSVOA_N BFB Injection Time: 07:55
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 60.0% of mass 95	46.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.6 (1.8) 1
174	50.0 - 100.0% of mass 95	90.8
175	5.0 - 9.0% of mass 174	7.1 (7.8) 1
176	95.0 - 101.0% of mass 174	90 (99.1) 1
177	5.0 - 9.0% of mass 176	5.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN050639.D	08/15/2018	08:26
VN0815WBL01	VN0815WBL01	VN050640.D	08/15/2018	09:03
VN0815WBS01	VN0815WBS01	VN050642.D	08/15/2018	09:52
940-MW-01 (23) DL	J4465-01DL	VN050646.D	08/15/2018	11:31
942-MW-03A (17) DL	J4465-03DL	VN050647.D	08/15/2018	11:56
947-MW-11 (15) DL	J4465-10DL	VN050648.D	08/15/2018	12:20
950-MW-17 (15.5) DL	J4465-13DL	VN050649.D	08/15/2018	12:45
952-MW-19 (28) DL	J4465-15DL	VN050650.D	08/15/2018	13:09
941-MW-02 (23.8)	J4465-02	VN050652.D	08/15/2018	13:59
943-MW-04 (23)	J4465-04	VN050653.D	08/15/2018	14:24
945-MW-06 (17)	J4465-08	VN050654.D	08/15/2018	14:48
946-MW-07 (22.5)	J4465-09	VN050655.D	08/15/2018	15:13
948-MW-15 (17)	J4465-11	VN050656.D	08/15/2018	15:38
949-MW-16 (22.5)	J4465-12	VN050657.D	08/15/2018	16:03
951-MW-18 (21.5)	J4465-14	VN050658.D	08/15/2018	16:28
953-MW-20 (22)	J4465-16	VN050659.D	08/15/2018	16:52

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG NO.: J4465
 Lab File ID: VN050592.D Date Analyzed: 08/14/2018
 Instrument ID: MSVOA_N Time Analyzed: 10:45
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	716280	7.67	991440	8.59	936403	11.41
UPPER LIMIT	1432560	8.167	1982880	9.087	1872810	11.906
LOWER LIMIT	358140	7.167	495720	8.087	468202	10.906
EPA SAMPLE NO.						
944-MW-05 (17)	680263	7.67	1090966	8.59	944079	11.41
VN0814WBL01	720282	7.67	1131077	8.59	923538	11.41
VN0814WBS01	715777	7.67	1041625	8.59	924848	11.41

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG NO.: J4465
 Lab File ID: VN050592.D Date Analyzed: 08/14/2018
 Instrument ID: MSVOA_N Time Analyzed: 10:45
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	495420	13.342			
UPPER LIMIT	990840	13.842			
LOWER LIMIT	247710	12.842			
EPA SAMPLE NO.					
944-MW-05 (17)	344865	13.35			
VN0814WBL01	313004	13.35			
VN0814WBS01	456013	13.34			

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG NO.: J4465
 Lab File ID: VN050617.D Date Analyzed: 08/14/2018
 Instrument ID: MSVOA_N Time Analyzed: 21:46
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	654695	7.67	943220	8.59	868131	11.41
UPPER LIMIT	1309390	8.167	1886440	9.087	1736260	11.91
LOWER LIMIT	327348	7.167	471610	8.087	434066	10.91
EPA SAMPLE NO.						
940-MW-01 (23)	688915	7.67	1018194	8.59	952170	11.41
942-MW-03A (17)	675903	7.67	1012810	8.59	899145	11.41
944-MW-05 (17) MS	633893	7.67	932330	8.59	861443	11.41
944-MW-05 (17) MSD	669270	7.67	988799	8.59	893147	11.41
947-MW-11 (15)	639089	7.67	995937	8.59	850173	11.41
950-MW-17 (15.5)	649391	7.67	972854	8.59	905403	11.41
952-MW-19 (28)	637237	7.67	977089	8.59	875334	11.41
954-FB081318	609611	7.67	938062	8.59	795716	11.41
VN0814WBL02	611537	7.67	959017	8.59	811798	11.41
VN0814WBS02	622470	7.67	905202	8.59	826513	11.41

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG NO.: J4465
 Lab File ID: VN050617.D Date Analyzed: 08/14/2018
 Instrument ID: MSVOA_N Time Analyzed: 21:46
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	453577	13.345			
UPPER LIMIT	907154	13.845			
LOWER LIMIT	226789	12.845			
EPA SAMPLE NO.					
940-MW-01 (23)	369747	13.35			
942-MW-03A (17)	324654	13.35			
944-MW-05 (17) MS	445835	13.34			
944-MW-05 (17) MSD	442048	13.35			
947-MW-11 (15)	265374	13.35			
950-MW-17 (15.5)	337892	13.35			
952-MW-19 (28)	304706	13.35			
954-FB081318	295511	13.35			
VN0814WBL02	270849	13.35			
VN0814WBS02	411932	13.35			

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG NO.: J4465
 Lab File ID: VN050639.D Date Analyzed: 08/15/2018
 Instrument ID: MSVOA_N Time Analyzed: 08:26
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	694246	7.67	958096	8.59	887834	11.41
UPPER LIMIT	1388490	8.17	1916190	9.09	1775670	11.91
LOWER LIMIT	347123	7.17	479048	8.09	443917	10.91
EPA SAMPLE NO.						
940-MW-01 (23) DL	609878	7.67	956905	8.59	860466	11.41
941-MW-02 (23.8)	632097	7.67	957998	8.59	846547	11.41
942-MW-03A (17) DL	628209	7.67	974785	8.59	881701	11.41
943-MW-04 (23)	614072	7.67	948885	8.59	851637	11.41
945-MW-06 (17)	633725	7.67	991129	8.59	888488	11.41
946-MW-07 (22.5)	616801	7.67	962506	8.59	847199	11.41
947-MW-11 (15) DL	622021	7.67	962955	8.59	866944	11.41
948-MW-15 (17)	616259	7.67	955679	8.59	823004	11.41
949-MW-16 (22.5)	608723	7.67	960720	8.59	834633	11.41
950-MW-17 (15.5) DL	626971	7.67	974575	8.59	874774	11.41
951-MW-18 (21.5)	619761	7.67	955383	8.59	833764	11.41
952-MW-19 (28) DL	615087	7.67	953621	8.59	872618	11.41
953-MW-20 (22)	643074	7.67	1003397	8.59	891849	11.41
VN0815WBL01	724856	7.67	1117641	8.59	938860	11.41
VN0815WBS01	611914	7.67	888137	8.59	807676	11.41

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG NO.: J4465
 Lab File ID: VN050639.D Date Analyzed: 08/15/2018
 Instrument ID: MSVOA_N Time Analyzed: 08:26
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	460297	13.34			
UPPER LIMIT	920594	13.84			
LOWER LIMIT	230149	12.84			
EPA SAMPLE NO.					
940-MW-01 (23) DL	299527	13.35			
941-MW-02 (23.8)	319867	13.35			
942-MW-03A (17) DL	314670	13.35			
943-MW-04 (23)	311081	13.35			
945-MW-06 (17)	316429	13.35			
946-MW-07 (22.5)	277299	13.35			
947-MW-11 (15) DL	305433	13.35			
948-MW-15 (17)	278997	13.35			
949-MW-16 (22.5)	295587	13.35			
950-MW-17 (15.5) DL	322229	13.35			
951-MW-18 (21.5)	292940	13.35			
952-MW-19 (28) DL	325470	13.35			
953-MW-20 (22)	321995	13.35			
VN0815WBL01	330224	13.35			
VN0815WBS01	383366	13.34			

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

SAMPLE
DATA

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	940-MW-01(23)	SDG No.:	J4465
Lab Sample ID:	J4465-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050622.D	1		08/15/18 00:14	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.52	J	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5.3		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	140		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	160	E	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	940-MW-01(23)	SDG No.:	J4465
Lab Sample ID:	J4465-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050622.D	1		08/15/18 00:14	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	2700	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.5		61 - 141		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		69 - 133		98%	SPK: 50
2037-26-5	Toluene-d8	47.5		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.2		58 - 135		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	688915	7.67				
540-36-3	1,4-Difluorobenzene	1018190	8.59				
3114-55-4	Chlorobenzene-d5	952170	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	369747	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	940-MW-01(23)	SDG No.:	J4465
Lab Sample ID:	J4465-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050622.D	1		08/15/18 00:14	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050622.D
 Acq On : 15 Aug 2018 00:14
 Operator : MD\SY
 Sample : J4465-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 940-MW-01(23)

Manual Integrations
 APPROVED

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 8/15/2018 3:32:30 PM

Quant Time: Aug 15 15:01:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	688915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1018194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	952170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	369747	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	420725	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.59	113	399591	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.09	98	1451638	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
62) 4-Bromofluorobenzene	12.40	95	436913	43.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.46%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.19	62	5355	0.52	ug/l	100
16) Acetone	3.82	43	14454	5.25	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	1242084	137.64	ug/l	92
44) Trichloroethene	8.84	130	1510898	163.58	ug/l	100
64) Tetrachloroethene	10.62	164	23778190m	2689.03	ug/l	

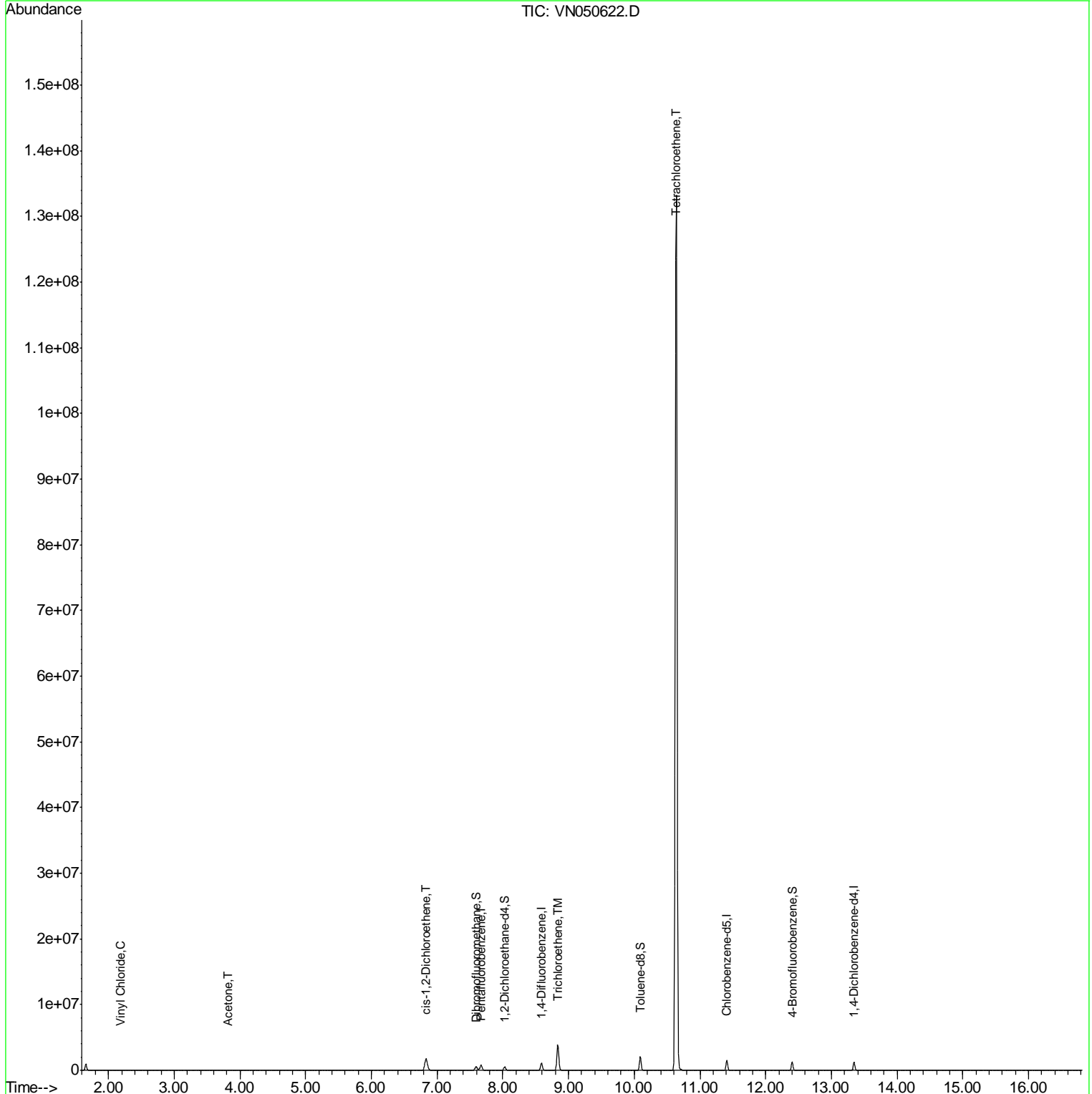
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050622.D
 Acq On : 15 Aug 2018 00:14
 Operator : MD\SY
 Sample : J4465-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

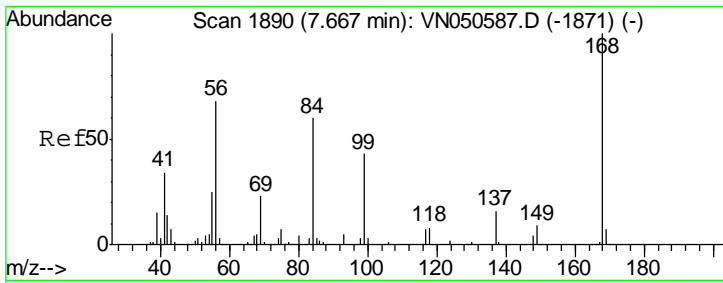
Instrument :
 MSVOA_N
 Client Sampled :
 940-MW-01(23)

Manual Integrations
 APPROVED
 MMDadoda
 8/15/2018 3:32:30 PM

Quant Time: Aug 15 15:01:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



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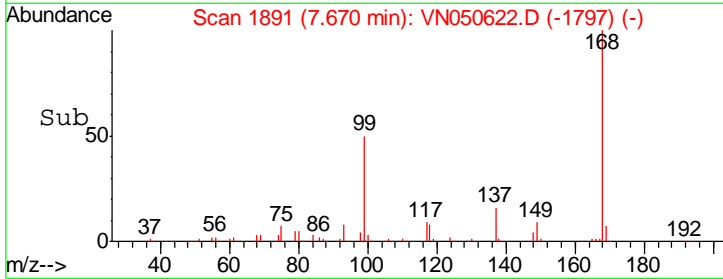
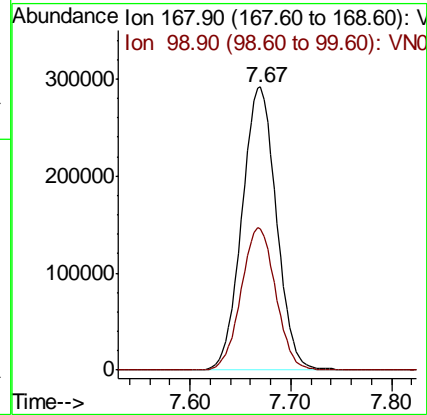
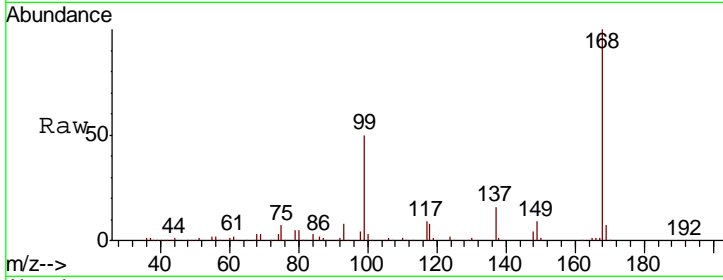
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14

Instrument :
 MSVOA_N
 Client Sampled :
 940-MW-01(23)

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.0	40.8	61.2

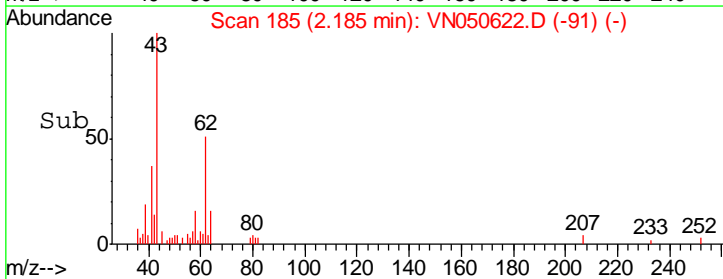
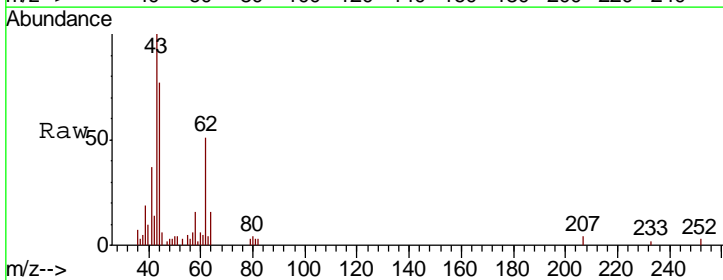
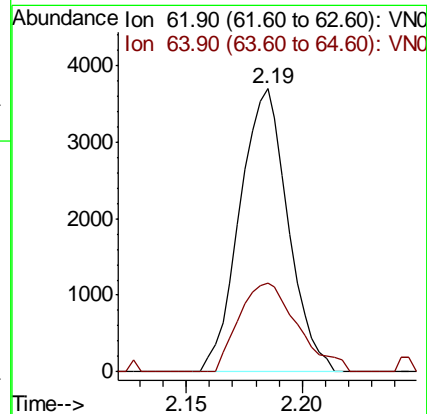
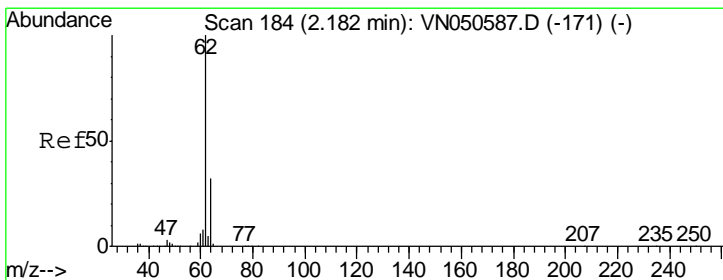
Manual Integrations
 APPROVED

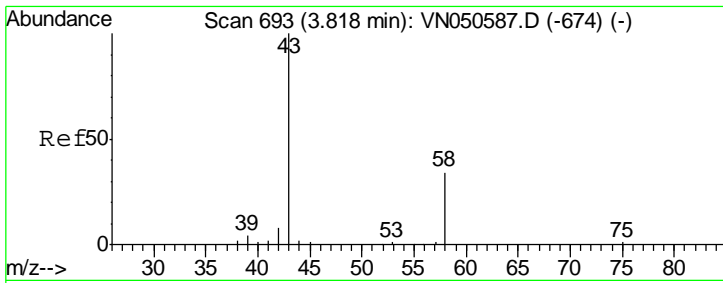
MMDadoda
 8/15/2018 3:32:30 PM



#4
 Vinyl Chloride
 Concen: 0.52 ug/l
 RT: 2.19 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.3	25.2	37.8



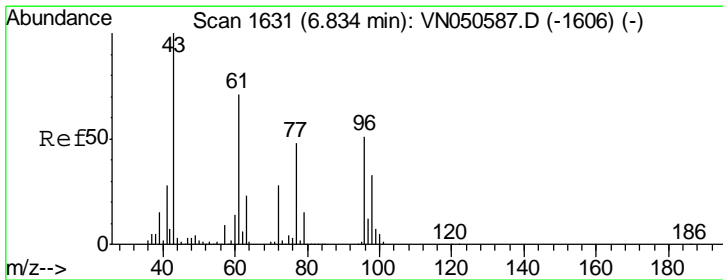
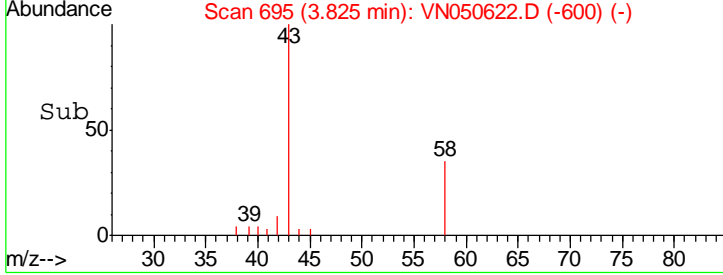
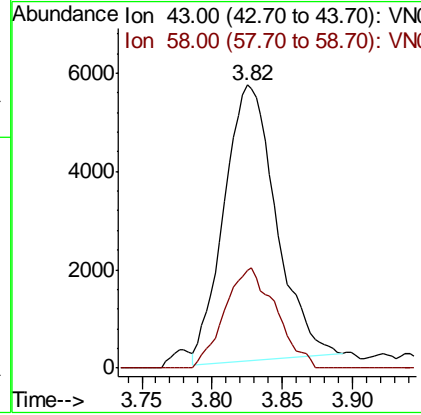
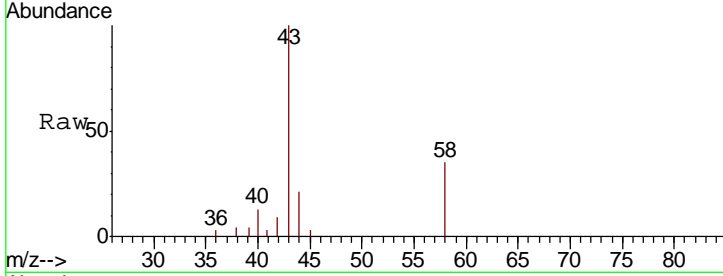


#16
 Acetone
 Concen: 5.25 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14

Tgt Ion	Resp	Lower	Upper
43	14454		
58	36.6	27.1	40.7

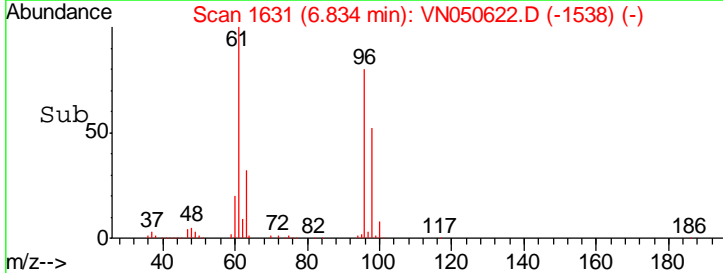
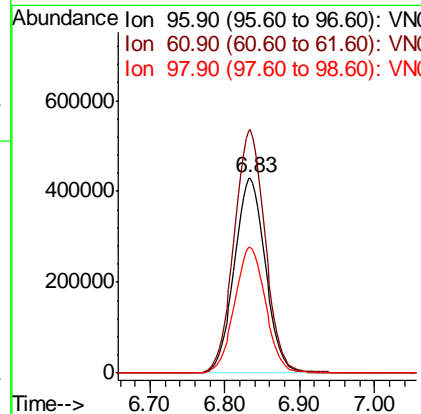
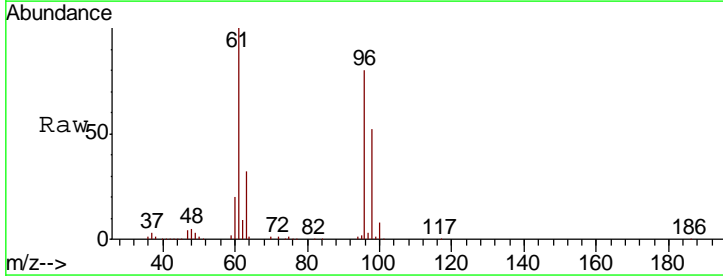
Instrument : MSVOA_N
 Client Sampled : 940-MW-01(23)

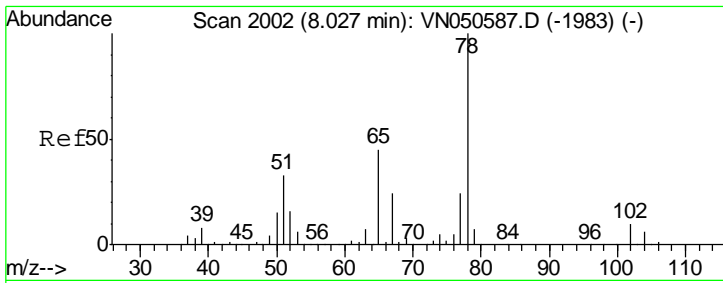
Manual Integrations APPROVED
 MMDadoda
 8/15/2018 3:32:30 PM



#27
 cis-1,2-Dichloroethene
 Concen: 137.64 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14

Tgt Ion	Resp	Lower	Upper
96	1242084		
61	124.7	0.0	278.2
98	64.6	0.0	128.8



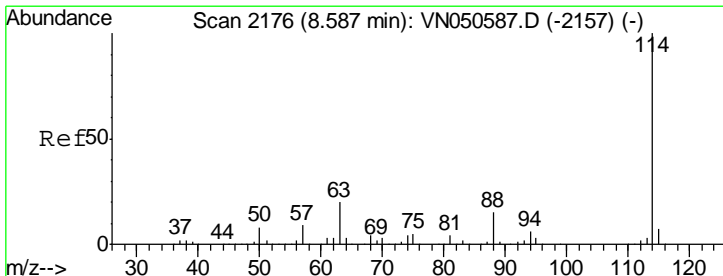
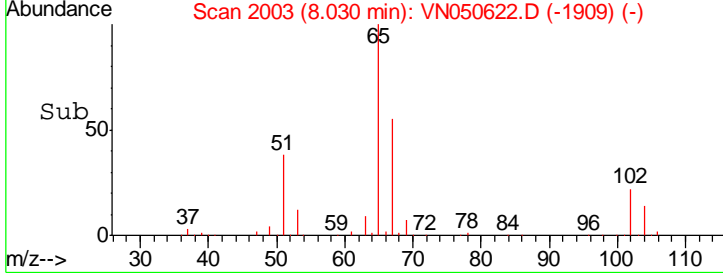
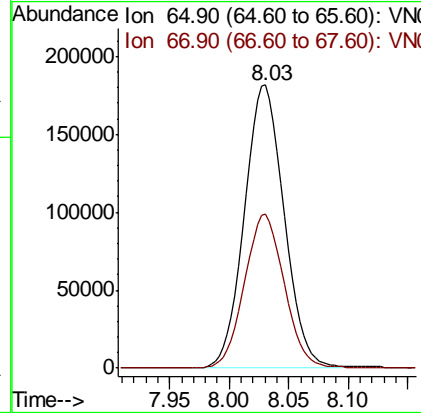
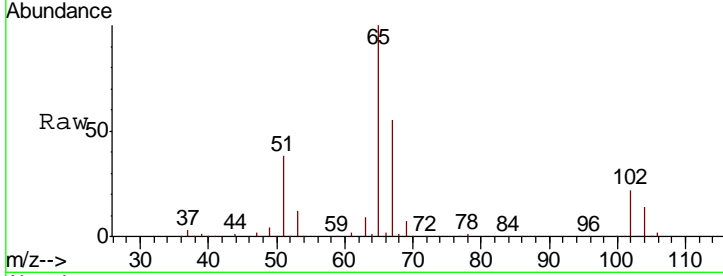


#33
 1,2-Dichloroethane-d4
 Concen: 48.45 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.6	0.0	109.8

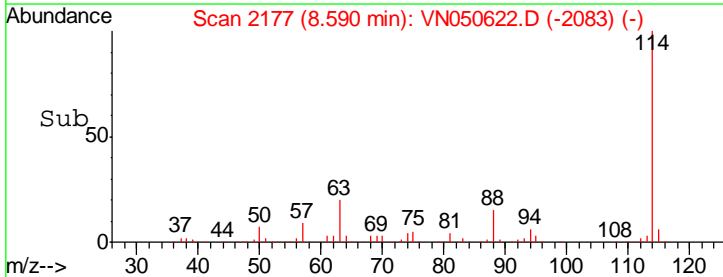
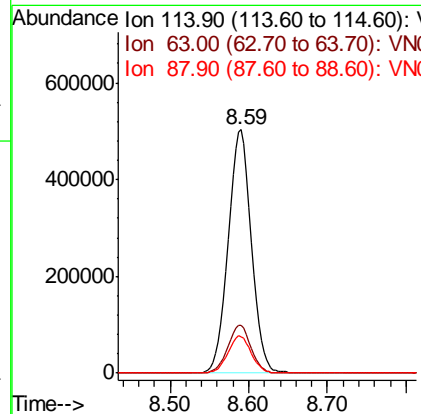
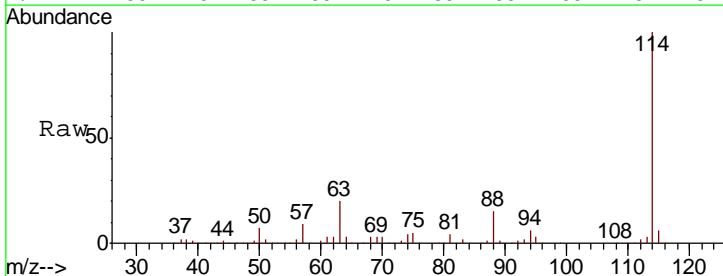
Instrument : MSVOA_N
 Client Sampled : 940-MW-01(23)

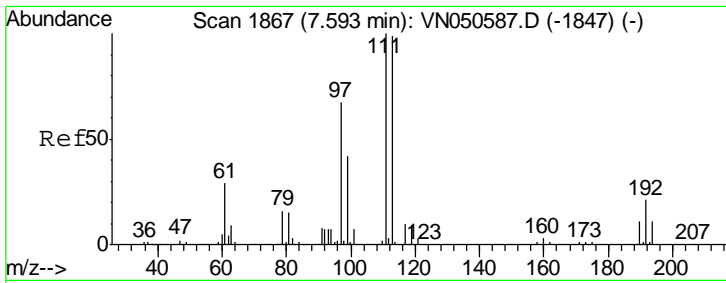
Manual Integrations APPROVED
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14

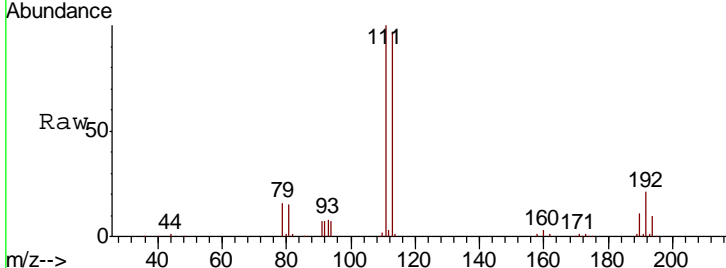
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	15.1	0.0	30.8





#35
 Dibromofluoromethane
 Concen: 49.16 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14

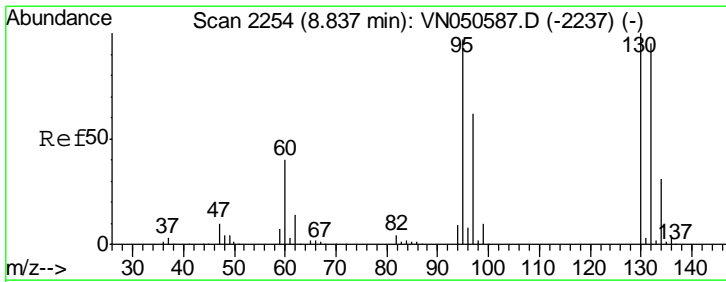
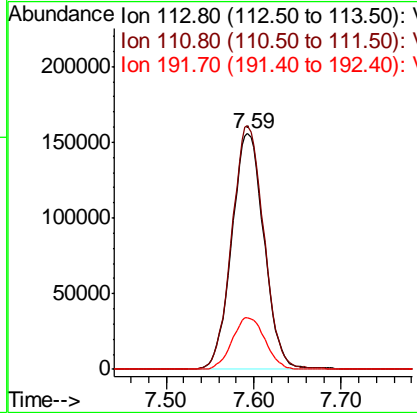
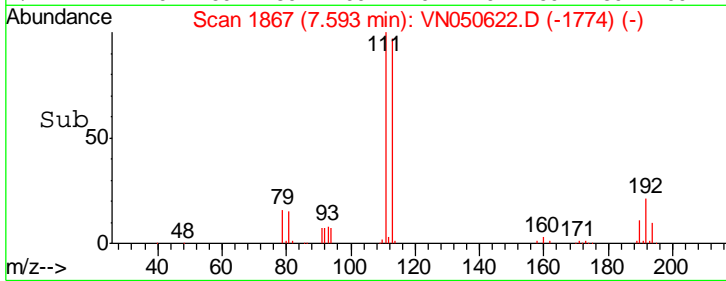
Instrument :
 MSVOA_N
 ClientSampled :
 940-MW-01(23)



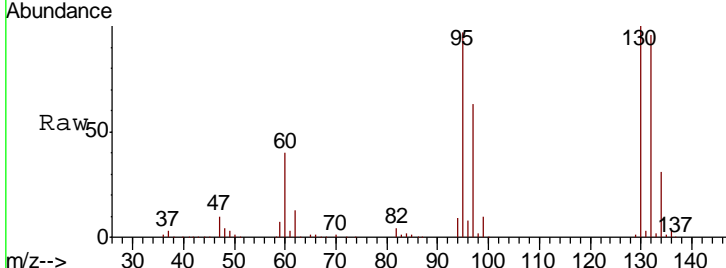
Tgt Ion:113 Resp: 399591

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.0	121.6
192	22.3	17.6	26.4

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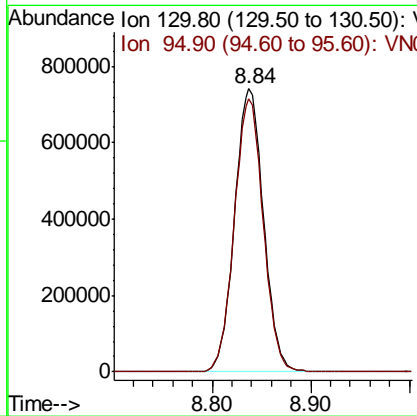
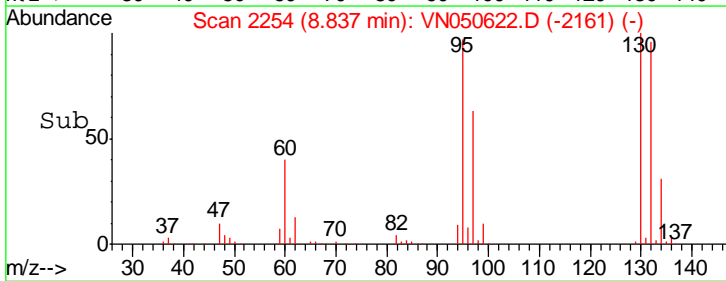


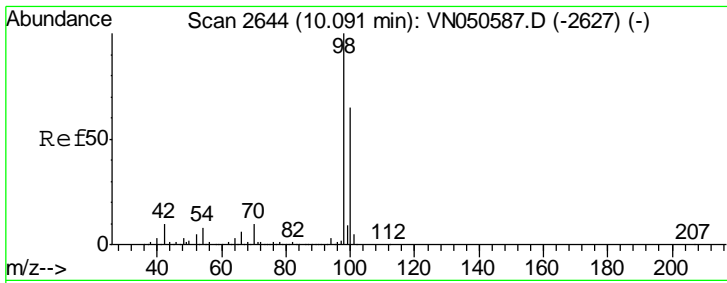
#44
 Trichloroethene
 Concen: 163.58 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14



Tgt Ion:130 Resp: 1510898

Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	193.8





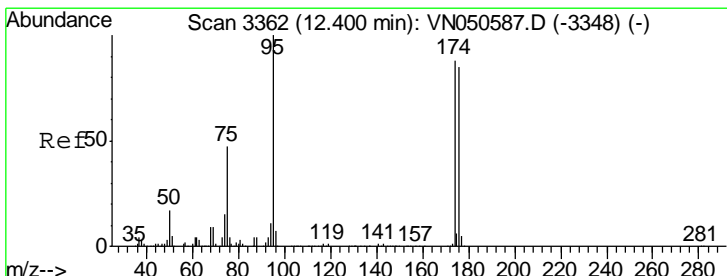
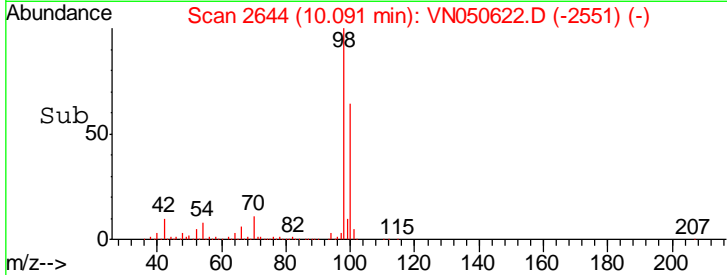
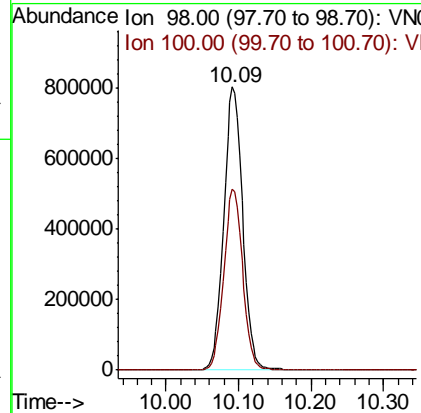
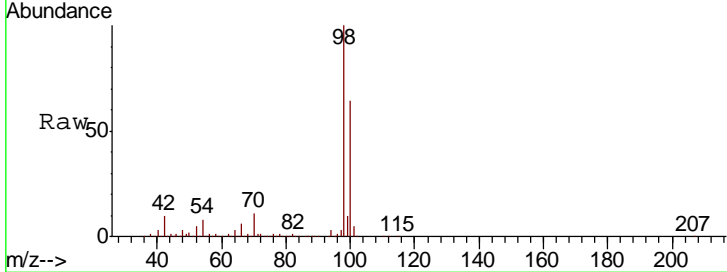
#50
 Toluene-d8
 Concen: 47.45 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14

Instrument :
 MSVOA_N
 Client Sampled :
 940-MW-01(23)

Tgt Ion: 98 Resp: 1451638

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8

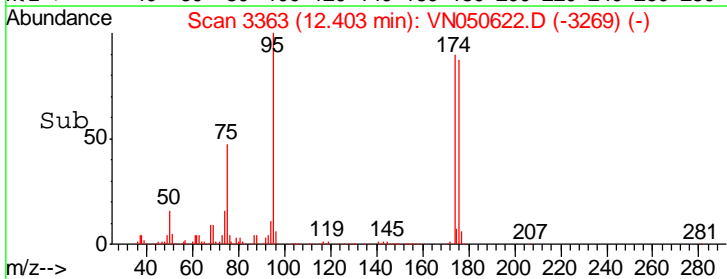
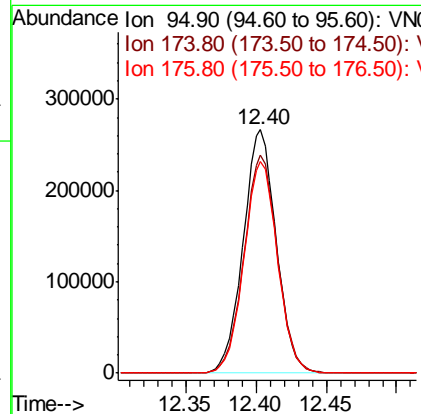
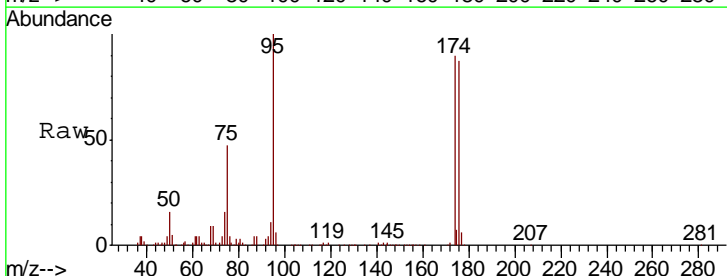
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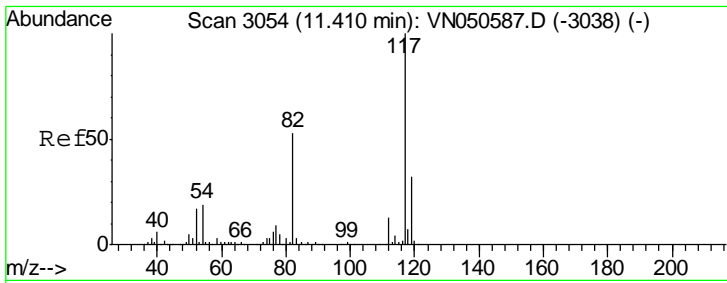


#62
 4-Bromofluorobenzene
 Concen: 43.23 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14

Tgt Ion: 95 Resp: 436913

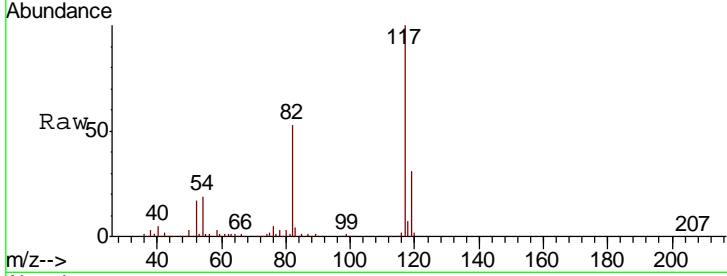
Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	177.8
176	88.0	0.0	175.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14

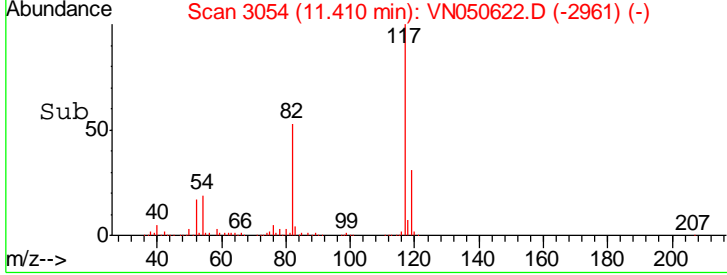
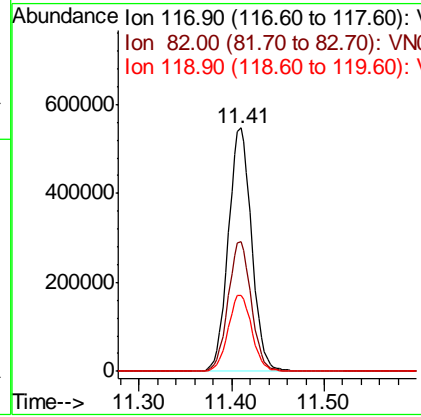
Instrument : MSVOA_N
 Client Sampled : 940-MW-01(23)



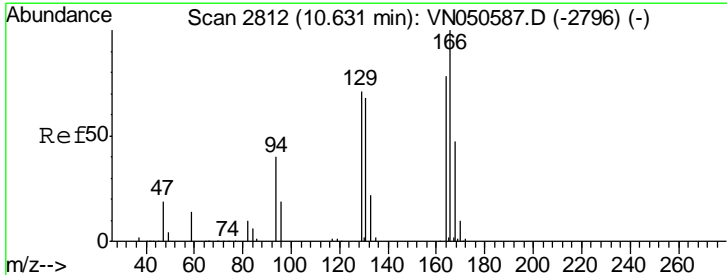
Tgt Ion: 117 Resp: 952170

Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.4	63.6
119	31.4	25.8	38.8

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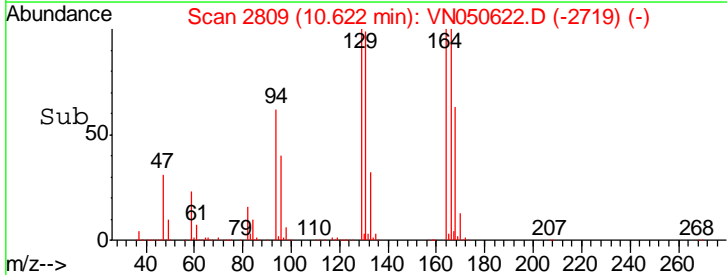
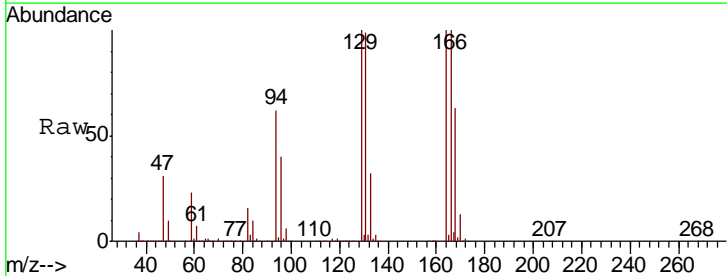
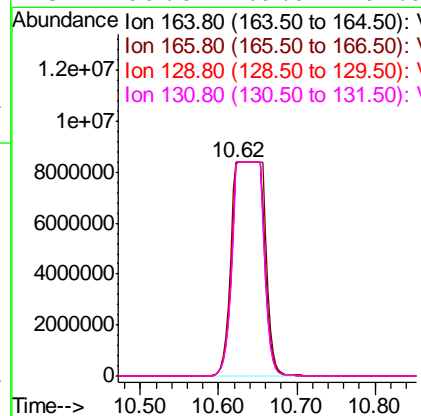


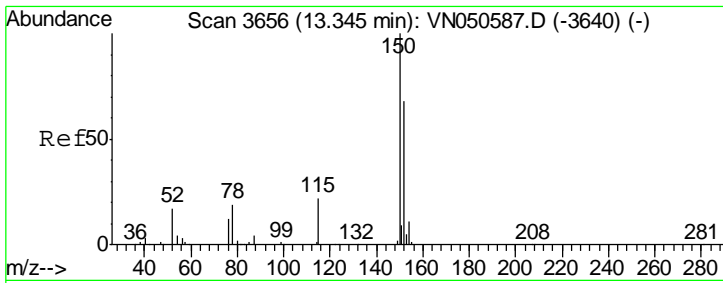
#64
 Tetrachloroethene
 Concen: 2689.03 ug/l m
 RT: 10.62 min Scan# 2809
 Delta R.T. -0.01 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14



Tgt Ion: 164 Resp: 23778190

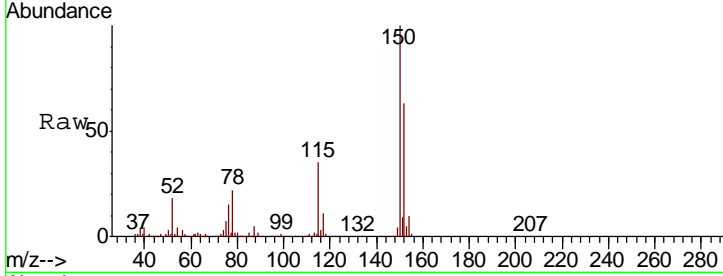
Ion	Ratio	Lower	Upper
164	100		
166	100.0	102.1	153.1#
129	100.0	72.7	109.1
131	99.0	69.9	104.9





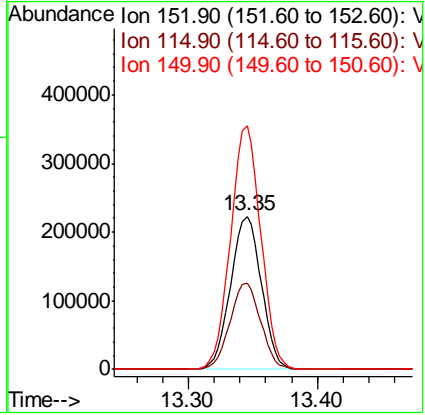
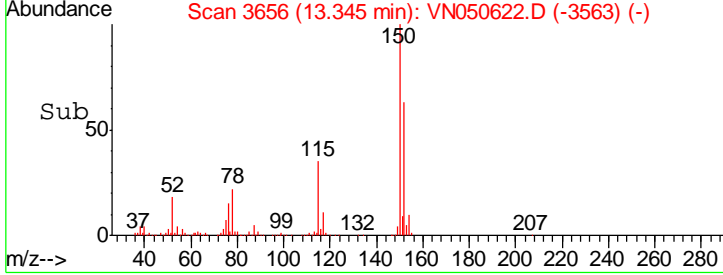
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050622.D
 Acq: 15 Aug 2018 00:14

Instrument : MSVOA_N
 ClientSampled : 940-MW-01(23)



Tot Ion	Resp	Lower	Upper
152	369747		
152	100		
115	56.1	28.1	84.2
150	156.3	0.0	347.8

Manual Integrations
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 8/15/2018 3:32:30 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050622.D
 Acq On : 15 Aug 2018 00:14
 Operator : MD\SY
 Sample : J4465-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 940-MW-01(23)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.834	1603	1631	1669	rBV	1786007	5184760	1.91%	1.785%
2	8.837	2236	2254	2292	rBV	3899870	7967924	2.94%	2.743%
3	10.091	2627	2644	2687	rBV	2043204	3724116	1.37%	1.282%
4	10.638	2795	2814	2861	rBV4	133243569	270889206	100.00%	93.256%
5	11.410	3039	3054	3080	rBV	1553638	2711784	1.00%	0.934%

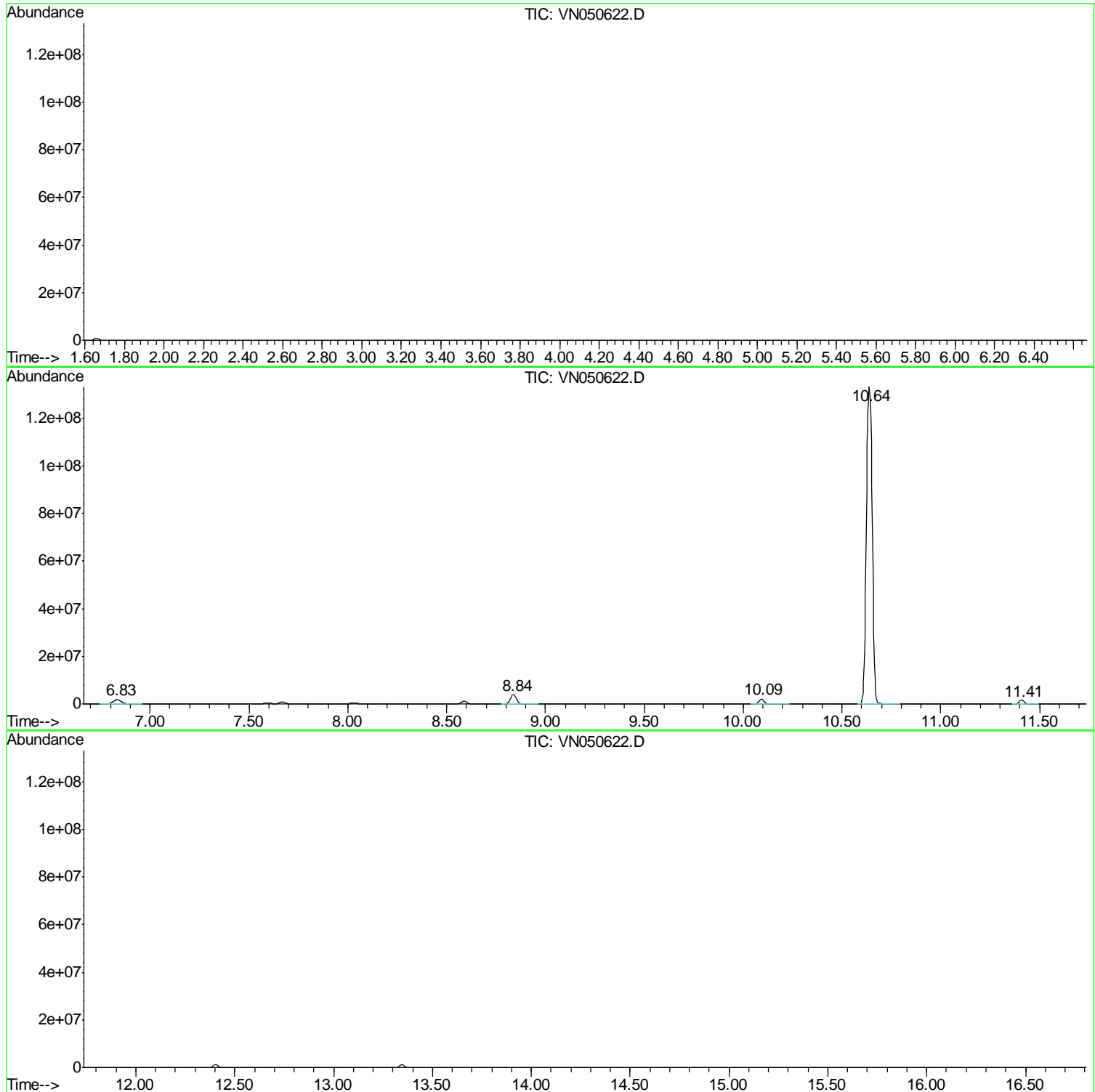
Sum of corrected areas: 290477790

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050622.D
Acq On : 15 Aug 2018 00:14
Operator : MD\SY
Sample : J4465-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
940-MW-01(23)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050622.D
Acq On : 15 Aug 2018 00:14
Operator : MD\SY
Sample : J4465-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
940-MW-01(23)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050622.D
 Acq On : 15 Aug 2018 00:14
 Operator : MD\SY
 Sample : J4465-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 940-MW-01(23)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	940-MW-01(23)DL	SDG No.:	J4465
Lab Sample ID:	J4465-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050646.D	100		08/15/18 11:31	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	100	UD	20	20	100	ug/L
74-87-3	Chloromethane	100	UD	20	20	100	ug/L
75-01-4	Vinyl Chloride	100	UD	20	20	100	ug/L
74-83-9	Bromomethane	100	UD	20	20	100	ug/L
75-00-3	Chloroethane	100	UD	20	50	100	ug/L
75-69-4	Trichlorofluoromethane	100	UD	20	20	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	100	UD	20	20	100	ug/L
75-35-4	1,1-Dichloroethene	100	UD	20	20	100	ug/L
67-64-1	Acetone	500	UD	50	100	500	ug/L
75-15-0	Carbon Disulfide	100	UD	20	20	100	ug/L
1634-04-4	Methyl tert-butyl Ether	100	UD	35	50	100	ug/L
79-20-9	Methyl Acetate	100	UD	20	50	100	ug/L
75-09-2	Methylene Chloride	100	UD	20	20	100	ug/L
156-60-5	trans-1,2-Dichloroethene	100	UD	20	20	100	ug/L
75-34-3	1,1-Dichloroethane	100	UD	20	20	100	ug/L
110-82-7	Cyclohexane	100	UD	20	20	100	ug/L
78-93-3	2-Butanone	500	UD	130	250	500	ug/L
56-23-5	Carbon Tetrachloride	100	UD	20	20	100	ug/L
156-59-2	cis-1,2-Dichloroethene	140	D	20	20	100	ug/L
74-97-5	Bromochloromethane	100	UD	20	50	100	ug/L
67-66-3	Chloroform	100	UD	20	20	100	ug/L
71-55-6	1,1,1-Trichloroethane	100	UD	20	20	100	ug/L
108-87-2	Methylcyclohexane	100	UD	20	20	100	ug/L
71-43-2	Benzene	100	UD	20	20	100	ug/L
107-06-2	1,2-Dichloroethane	100	UD	20	20	100	ug/L
79-01-6	Trichloroethene	160	D	20	20	100	ug/L
78-87-5	1,2-Dichloropropane	100	UD	20	20	100	ug/L
75-27-4	Bromodichloromethane	100	UD	20	20	100	ug/L
108-10-1	4-Methyl-2-Pentanone	500	UD	100	100	500	ug/L
108-88-3	Toluene	100	UD	20	20	100	ug/L
10061-02-6	t-1,3-Dichloropropene	100	UD	20	20	100	ug/L
10061-01-5	cis-1,3-Dichloropropene	100	UD	20	20	100	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	940-MW-01(23)DL	SDG No.:	J4465
Lab Sample ID:	J4465-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050646.D	100		08/15/18 11:31	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	100	UD	20	20	100	ug/L
591-78-6	2-Hexanone	500	UD	190	250	500	ug/L
124-48-1	Dibromochloromethane	100	UD	20	20	100	ug/L
106-93-4	1,2-Dibromoethane	100	UD	20	20	100	ug/L
127-18-4	Tetrachloroethene	4400	D	20	20	100	ug/L
108-90-7	Chlorobenzene	100	UD	20	20	100	ug/L
100-41-4	Ethyl Benzene	100	UD	20	20	100	ug/L
179601-23-1	m/p-Xylenes	200	UD	40	40	200	ug/L
95-47-6	o-Xylene	100	UD	20	20	100	ug/L
100-42-5	Styrene	100	UD	20	20	100	ug/L
75-25-2	Bromoform	100	UD	20	20	100	ug/L
98-82-8	Isopropylbenzene	100	UD	20	20	100	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	100	UD	20	20	100	ug/L
541-73-1	1,3-Dichlorobenzene	100	UD	20	20	100	ug/L
106-46-7	1,4-Dichlorobenzene	100	UD	20	20	100	ug/L
95-50-1	1,2-Dichlorobenzene	100	UD	20	20	100	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	100	UD	20	20	100	ug/L
120-82-1	1,2,4-Trichlorobenzene	100	UD	20	20	100	ug/L
87-61-6	1,2,3-Trichlorobenzene	100	UD	20	20	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.8		61 - 141		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	47.7		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.3		58 - 135		81%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	609878	7.67				
540-36-3	1,4-Difluorobenzene	956905	8.59				
3114-55-4	Chlorobenzene-d5	860466	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	299527	13.35				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	940-MW-01(23)DL	SDG No.:	J4465
Lab Sample ID:	J4465-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050646.D	100		08/15/18 11:31	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050646.D
 Acq On : 15 Aug 2018 11:31
 Operator : MD\SY
 Sample : J4465-01DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 940-MW-01(23)DL

Quant Time: Aug 16 02:20:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

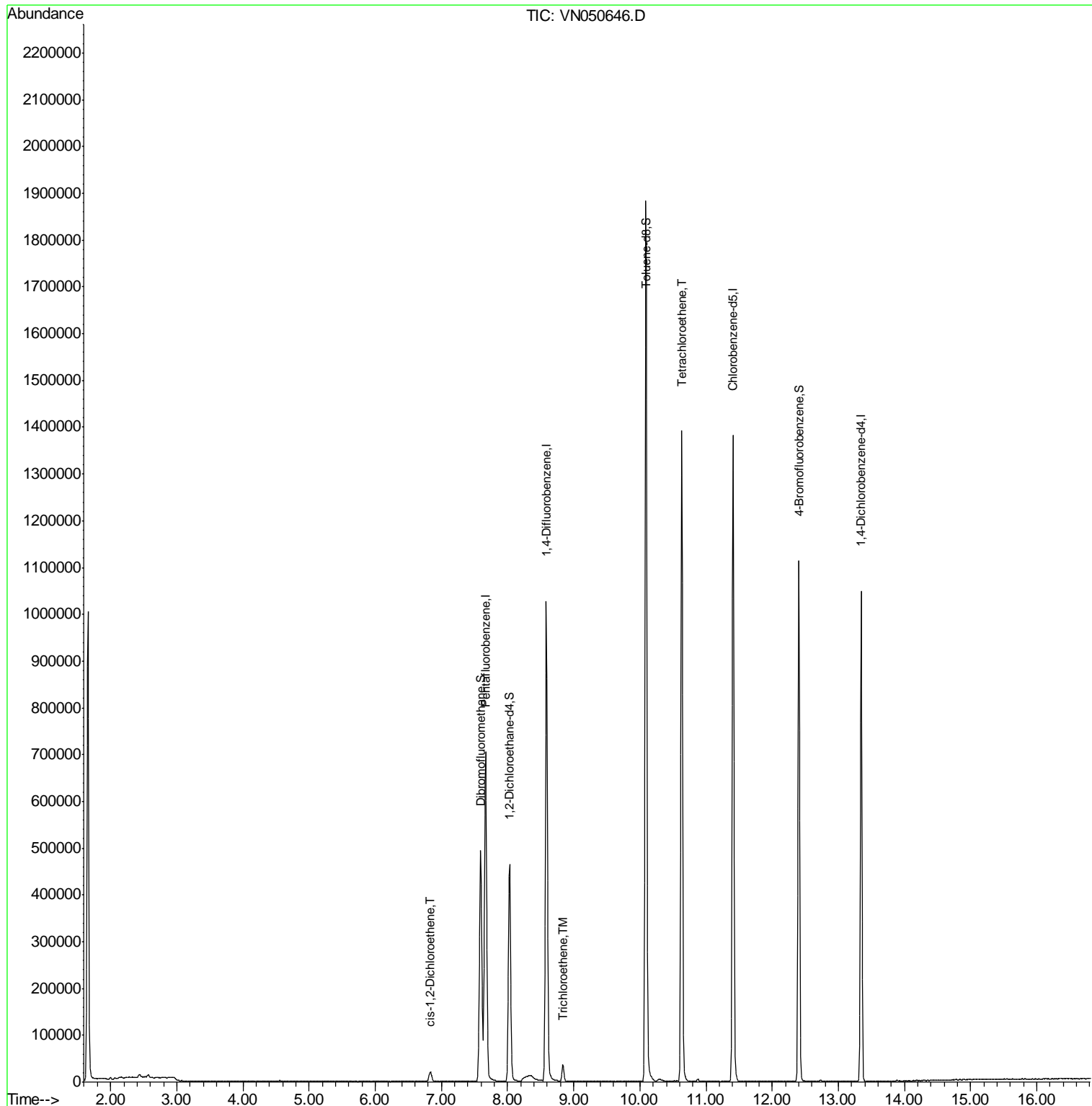
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	609878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	956905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	860466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	299527	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	405492	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
35) Dibromofluoromethane	7.59	113	382463	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	10.09	98	1372520	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.40	95	382894	40.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.62%	
Target Compounds						
27) cis-1,2-Dichloroethene	6.83	96	10983	1.37	ug/l	89
44) Trichloroethene	8.84	130	13898	1.60	ug/l	99
64) Tetrachloroethene	10.63	164	351232	43.95	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

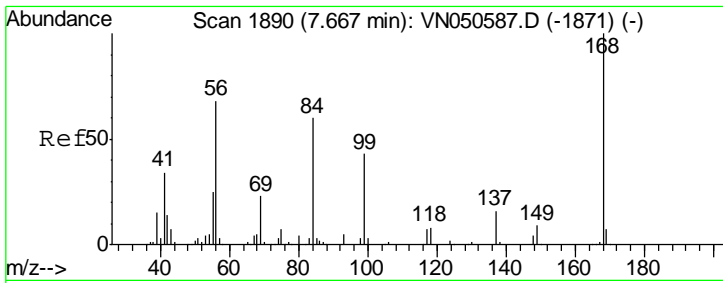
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050646.D
 Acq On : 15 Aug 2018 11:31
 Operator : MD\SY
 Sample : J4465-01DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 940-MW-01(23)DL

Quant Time: Aug 16 02:20:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



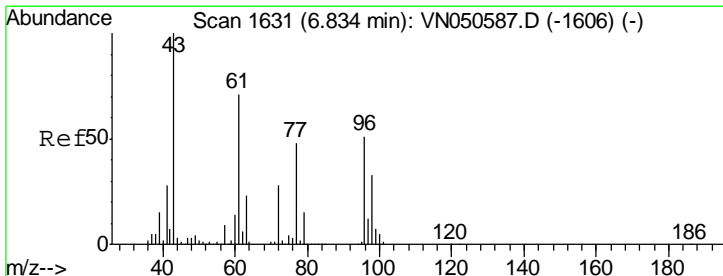
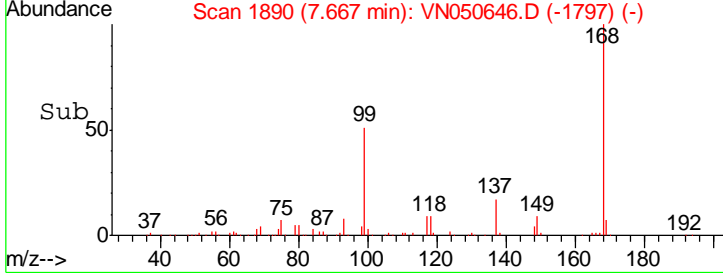
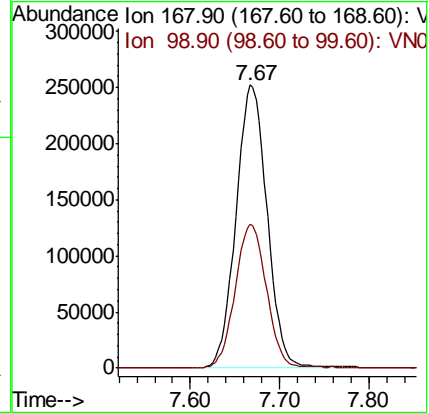
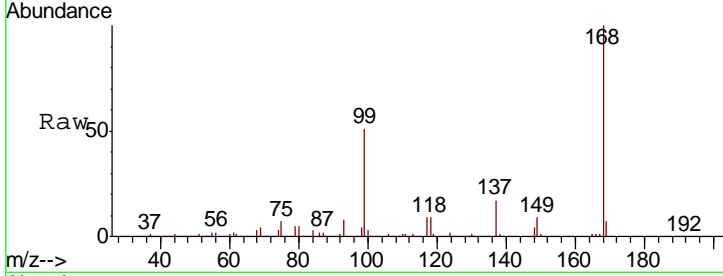
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

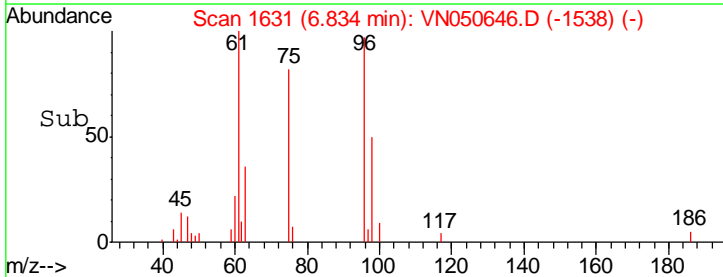
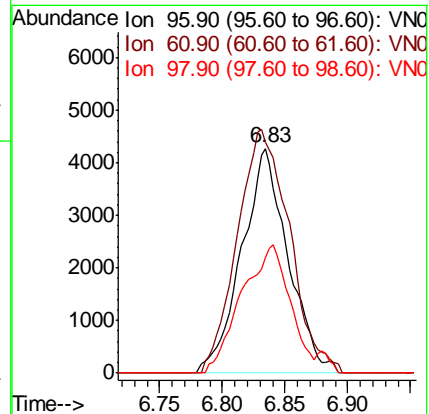
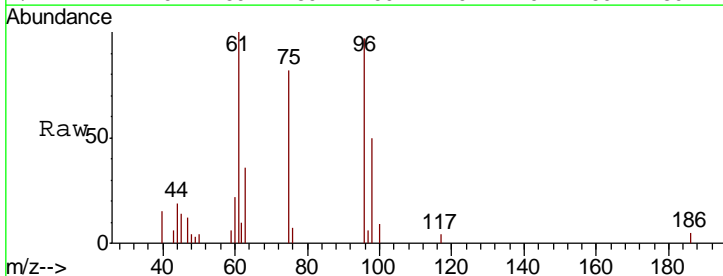
Instrument : MSVOA_N
 ClientSampleId : 940-MW-01(23)DL

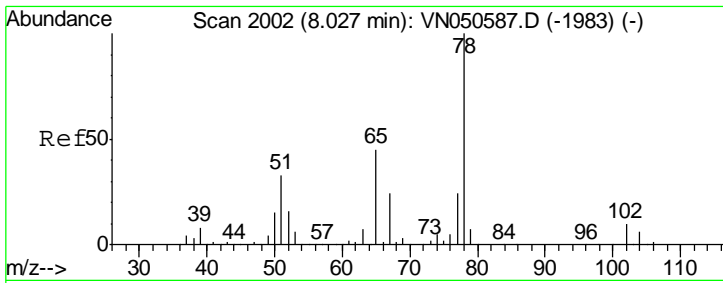
Tgt Ion	Resp	Lower	Upper
168	100		
99	51.0	40.8	61.2



#27
 cis-1,2-Dichloroethene
 Concen: 1.37 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Tgt Ion	Resp	Lower	Upper
96	100		
61	122.2	0.0	278.2
98	59.6	0.0	128.8

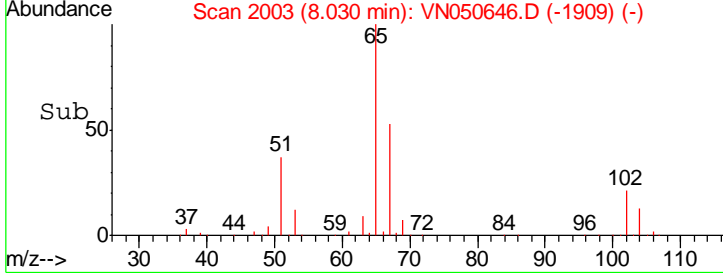
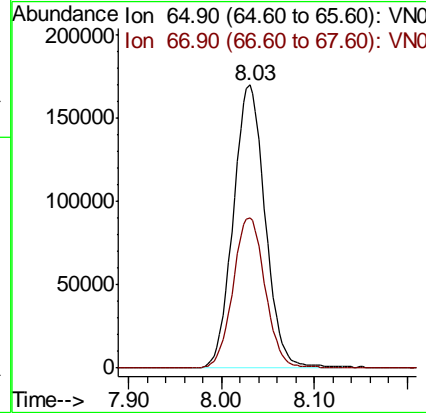
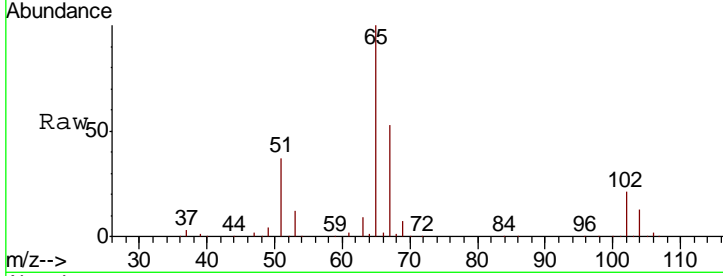




#33
 1,2-Dichloroethane-d4
 Concen: 52.75 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

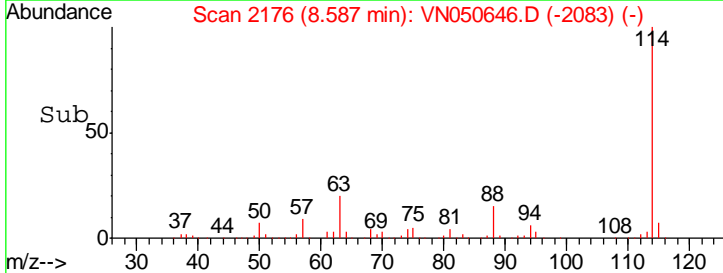
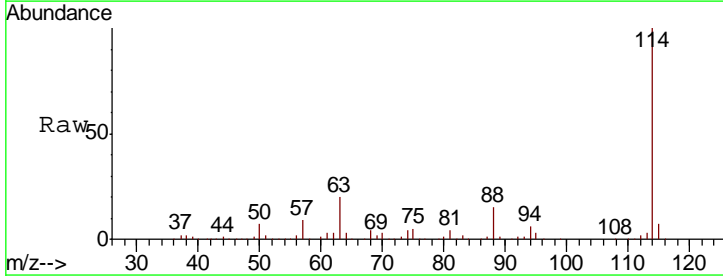
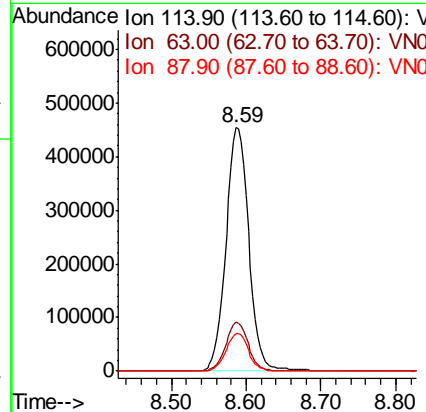
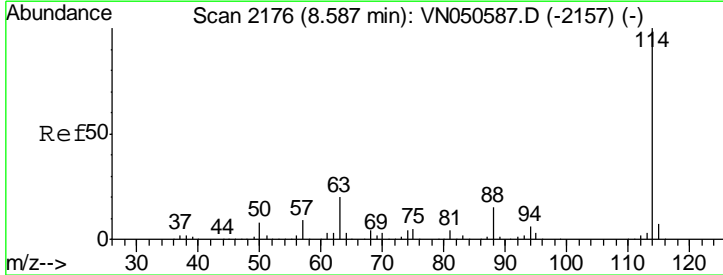
Instrument : MSVOA_N
 ClientSampleId : 940-MW-01(23)DL

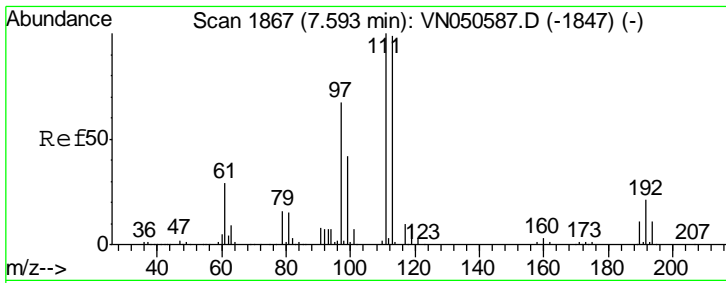
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.6	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	15.2	0.0	30.8

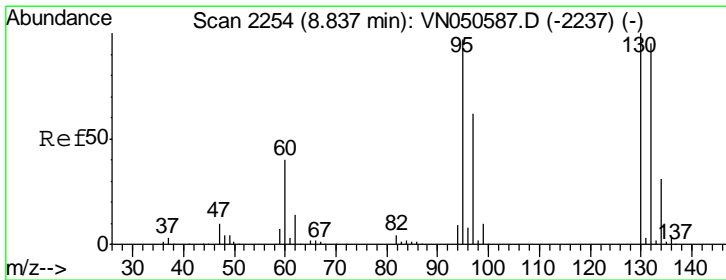
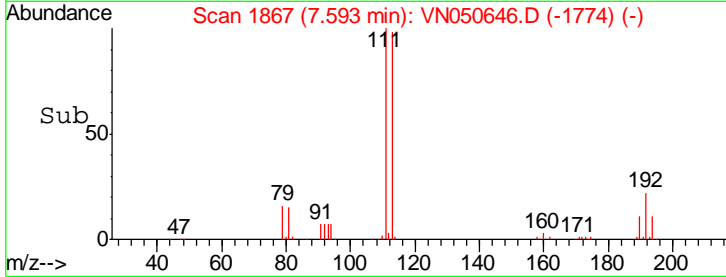
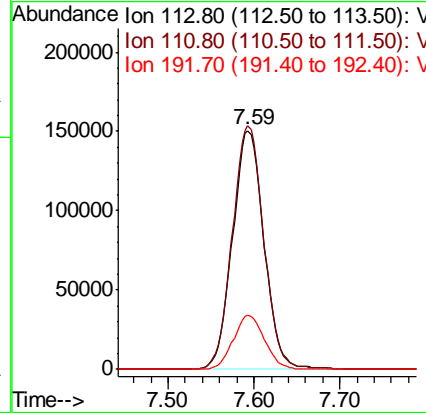
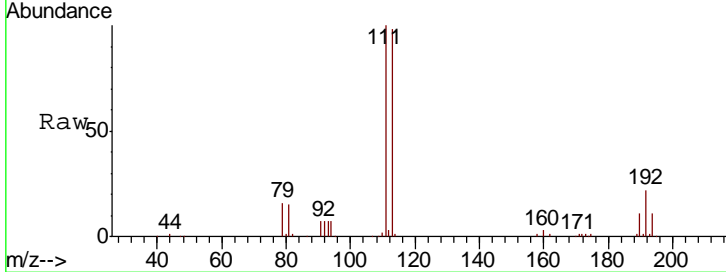




#35
 Dibromofluoromethane
 Concen: 50.06 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

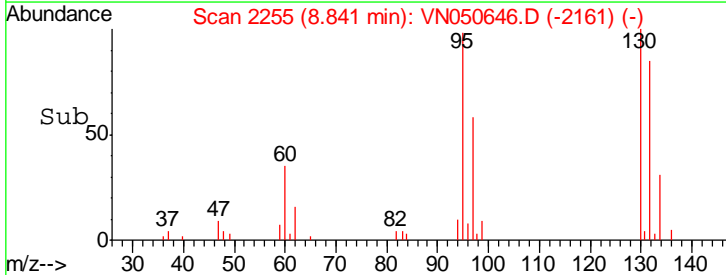
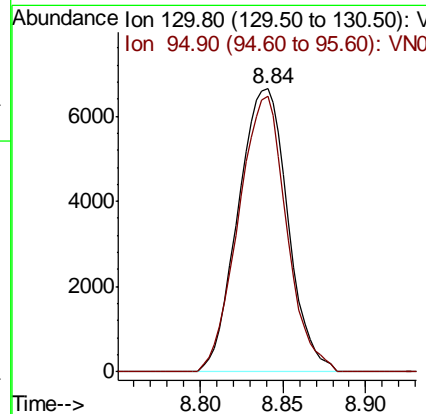
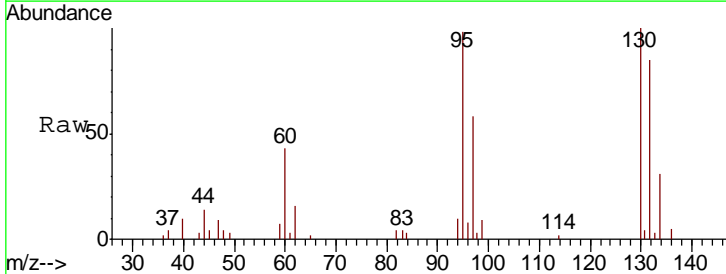
Instrument : MSVOA_N
 ClientSampled : 940-MW-01(23)DL

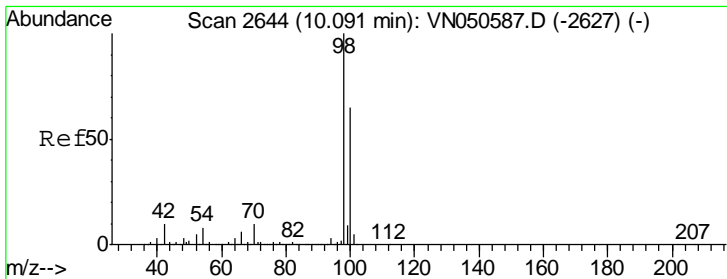
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.2	81.0	121.6
192	22.5	17.6	26.4



#44
 Trichloroethene
 Concen: 1.60 ug/l
 RT: 8.84 min Scan# 2255
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Tgt Ion	Resp	Lower	Upper
130	100		
95	97.5	0.0	193.8



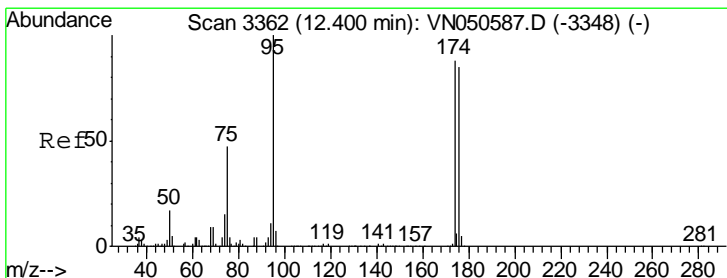
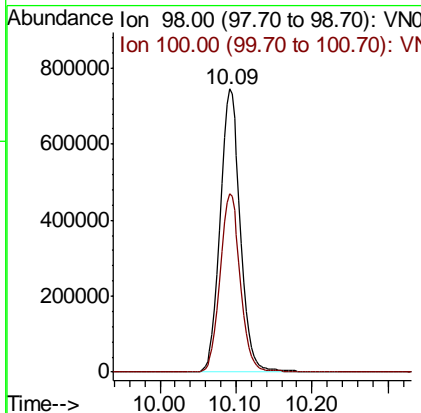
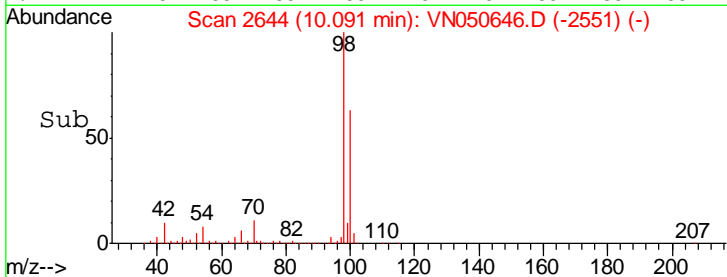
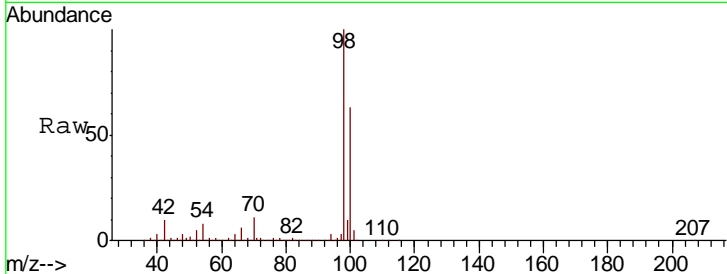


#50
 Toluene-d8
 Concen: 47.74 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Instrument : MSVOA_N
 ClientSampled : 940-MW-01(23)DL

Tgt Ion: 98 Resp: 1372520

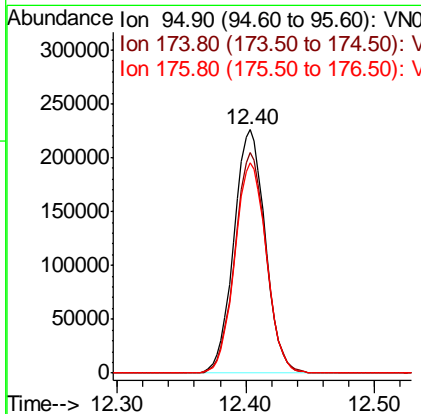
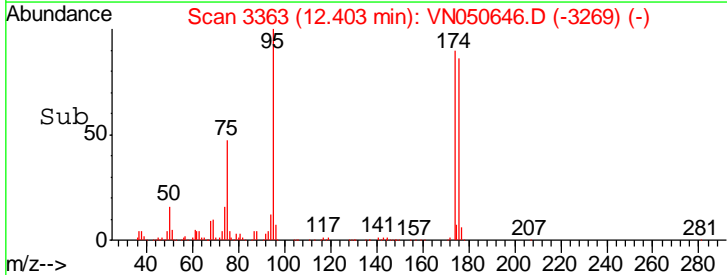
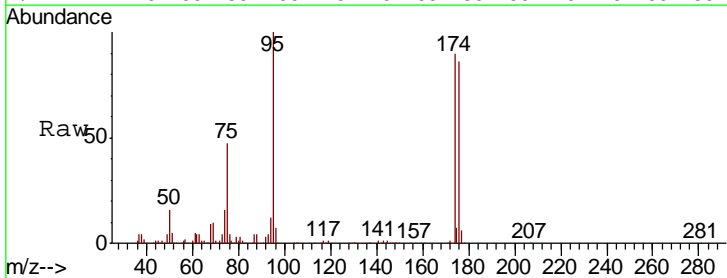
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.8	77.8

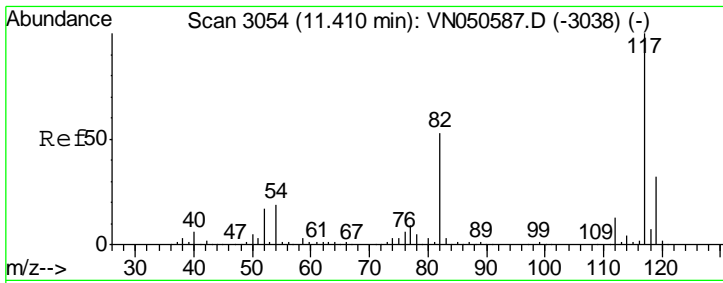


#62
 4-Bromofluorobenzene
 Concen: 40.31 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Tgt Ion: 95 Resp: 382894

Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	177.8
176	86.9	0.0	175.0

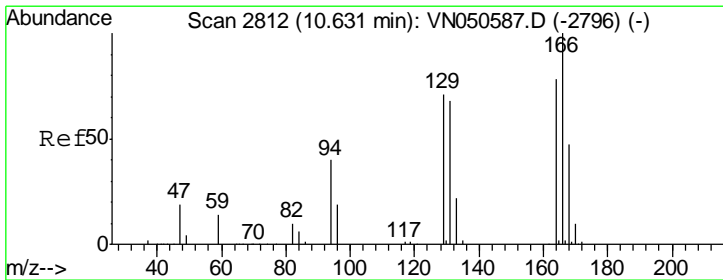
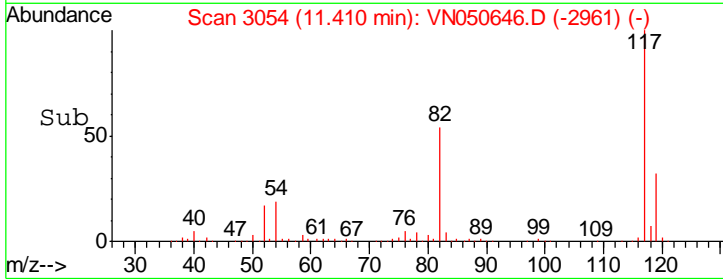
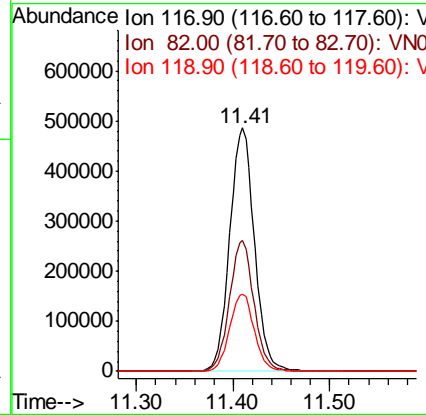
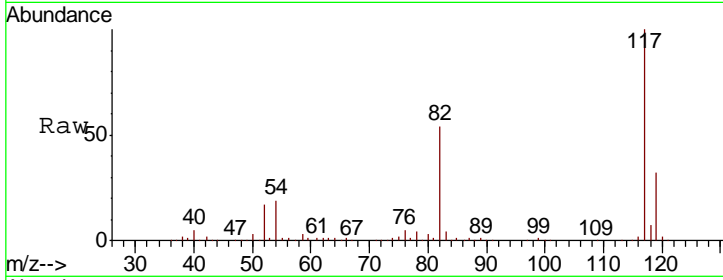




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

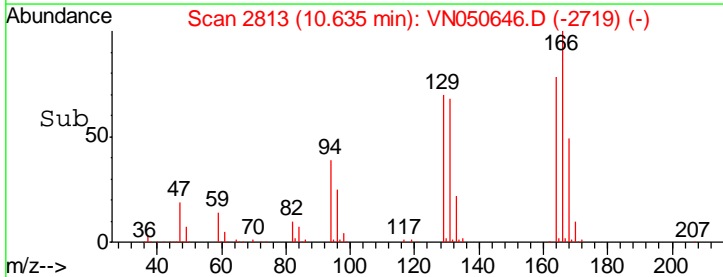
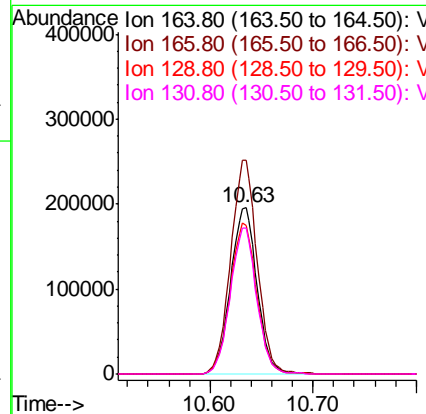
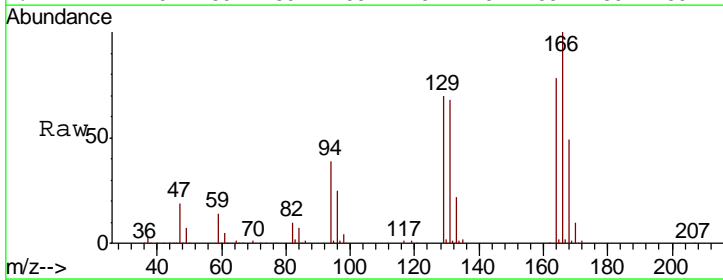
Instrument : MSVOA_N
 ClientSampled : 940-MW-01(23)DL

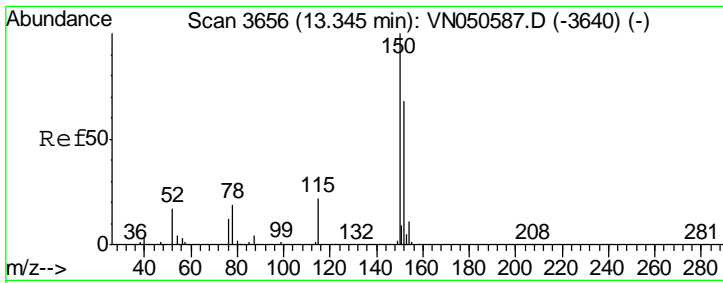
Tgt Ion	Resp	Lower	Upper
117	100		
82	53.6	42.4	63.6
119	31.9	25.8	38.8



#64
 Tetrachloroethene
 Concen: 43.95 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Tgt Ion	Resp	Lower	Upper
164	100		
166	128.8	102.1	153.1
129	89.8	72.7	109.1
131	87.9	69.9	104.9

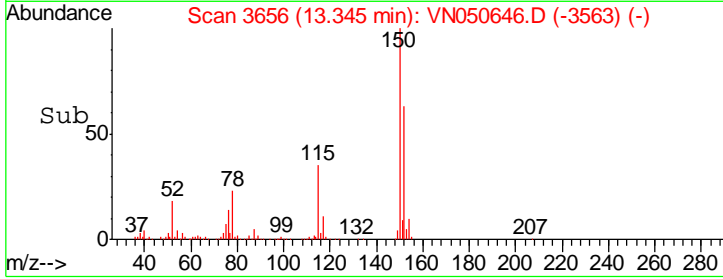
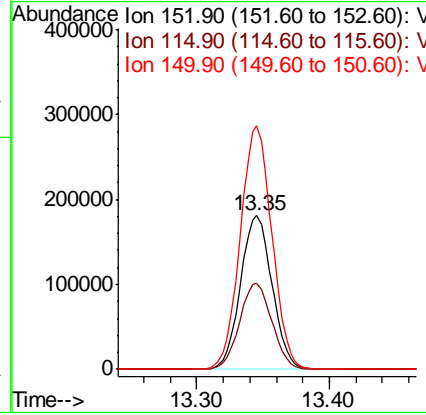
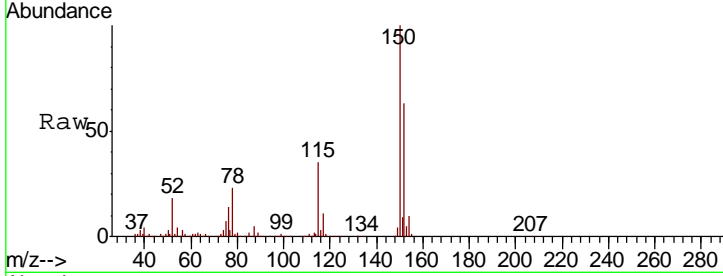




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050646.D
 Acq: 15 Aug 2018 11:31

Instrument : MSVOA_N
 ClientSampleId : 940-MW-01(23)DL

Tot Ion	Resp	Lower	Upper
152	100		
115	57.0	28.1	84.2
150	158.3	0.0	347.8



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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	941-MW-02(23.8)	SDG No.:	J4465
Lab Sample ID:	J4465-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050652.D	1		08/15/18 13:59	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1		0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	7.1		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1.2		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	30.9		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	36.8		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	941-MW-02(23.8)	SDG No.:	J4465
Lab Sample ID:	J4465-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050652.D	1		08/15/18 13:59	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	79.4		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.3		61 - 141		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	47.4		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.1		58 - 135		82%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	632097	7.67				
540-36-3	1,4-Difluorobenzene	957998	8.59				
3114-55-4	Chlorobenzene-d5	846547	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	319867	13.35				
TENTATIVE IDENTIFIED COMPOUNDS							
000075-28-5	Isobutane	7.9	J			2.02	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	941-MW-02(23.8)	SDG No.:	J4465
Lab Sample ID:	J4465-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050652.D	1		08/15/18 13:59	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050652.D
 Acq On : 15 Aug 2018 13:59
 Operator : MD\SY
 Sample : J4465-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 941-MW-02(23.8)

Quant Time: Aug 16 03:19:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	632097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	957998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	846547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	408899	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	7.59	113	384814	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	10.09	98	1363861	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.40	95	390341	41.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.10%	

Target Compounds

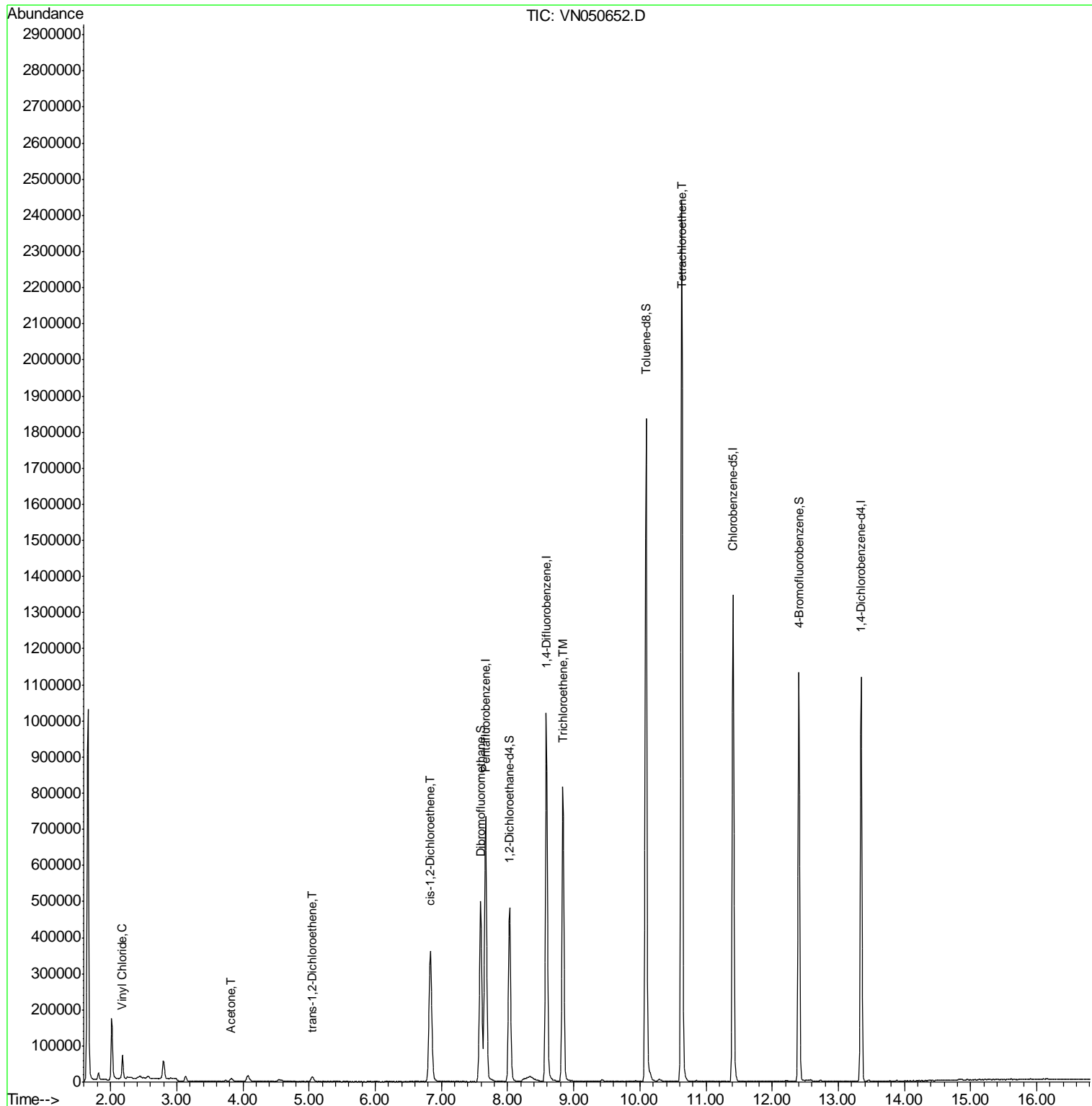
						Qvalue
4) Vinyl Chloride	2.18	62	9882	1.04	ug/l	94
16) Acetone	3.83	43	16916	7.09	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	8563	1.15	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	255963	30.91	ug/l	92
44) Trichloroethene	8.84	130	320094	36.83	ug/l	100
64) Tetrachloroethene	10.63	164	624177	79.39	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

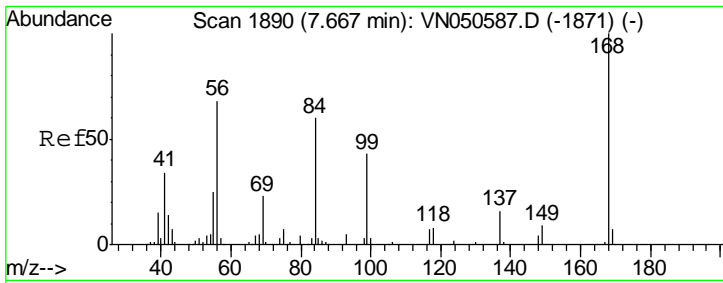
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 Data File : VN050652.D
 Acq On : 15 Aug 2018 13:59
 Operator : MD\SY
 Sample : J4465-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 941-MW-02(23.8)

Quant Time: Aug 16 03:19:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



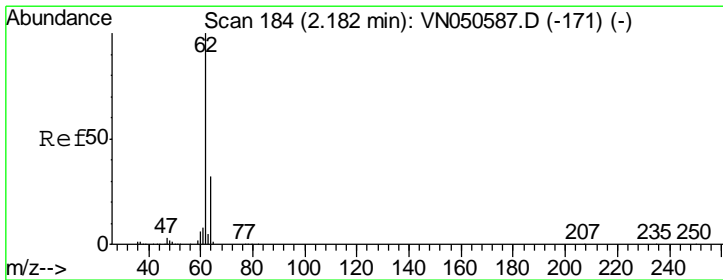
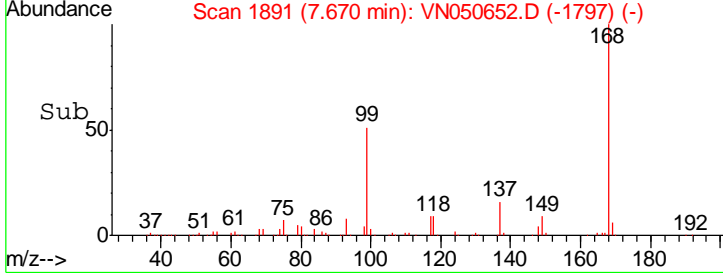
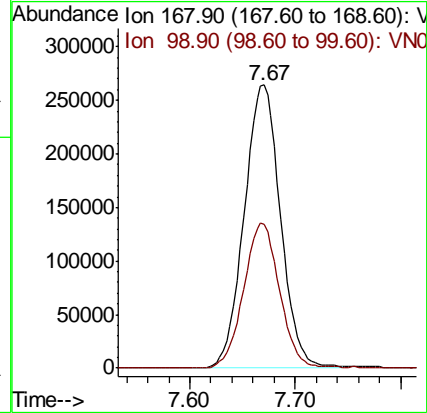
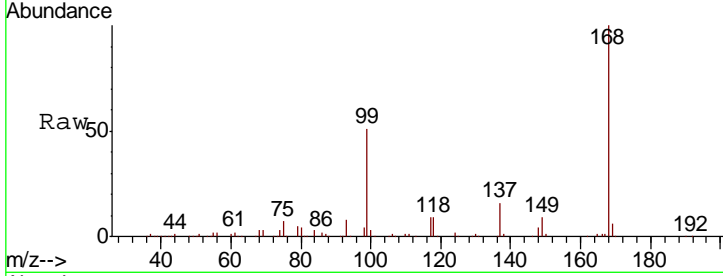
- 1
- 2
- 3
- 4
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- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

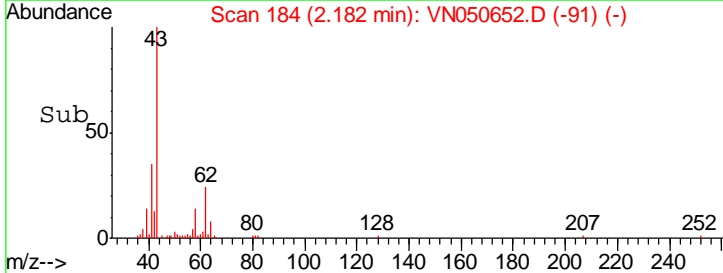
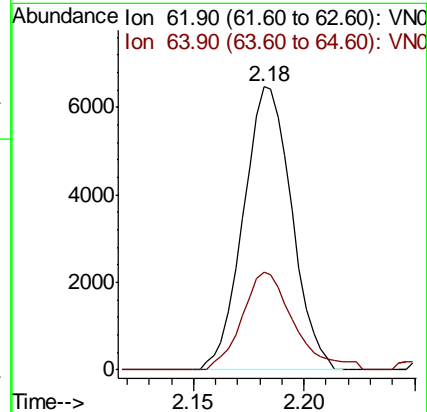
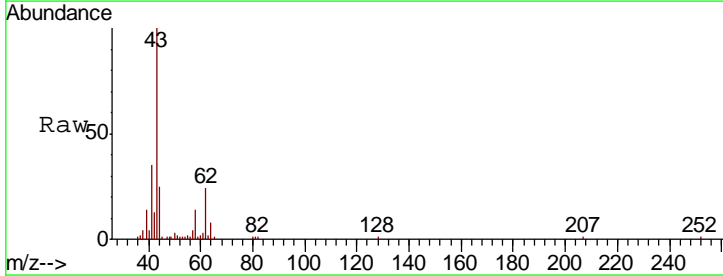
Instrument :
 MSVOA_N
 ClientSampleId :
 941-MW-02(23.8)

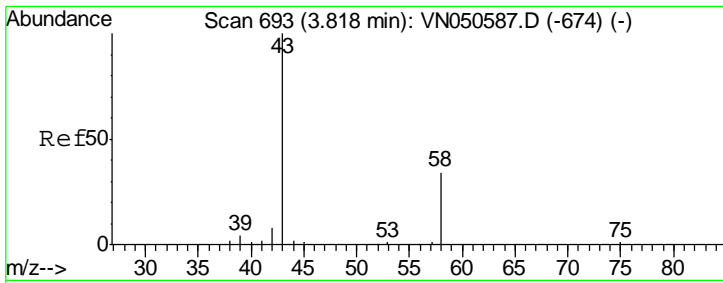
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.8	40.8	61.2



#4
 Vinyl Chloride
 Concen: 1.04 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

Tgt Ion	Resp	Lower	Upper
62	100		
64	34.7	25.2	37.8

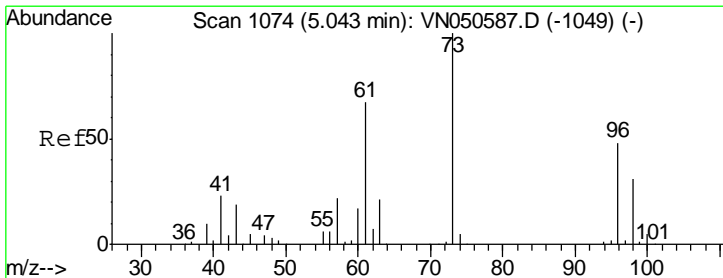
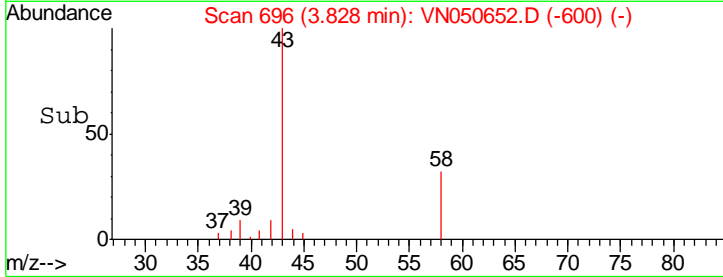
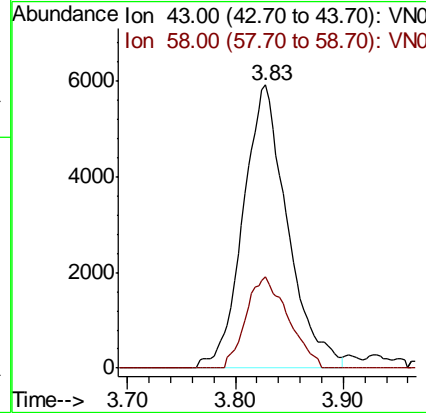
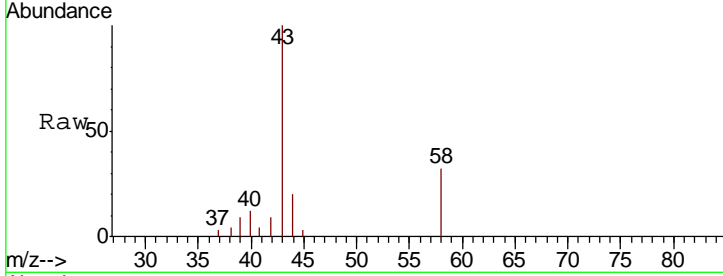




#16
 Acetone
 Concen: 7.09 ug/l
 RT: 3.83 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

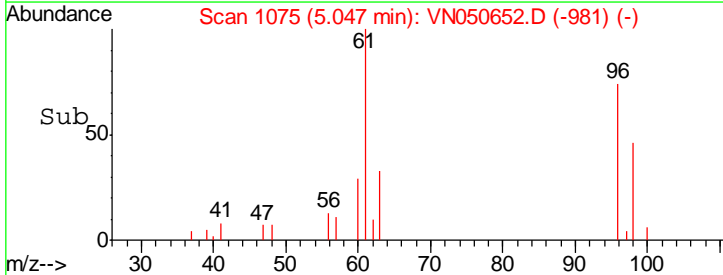
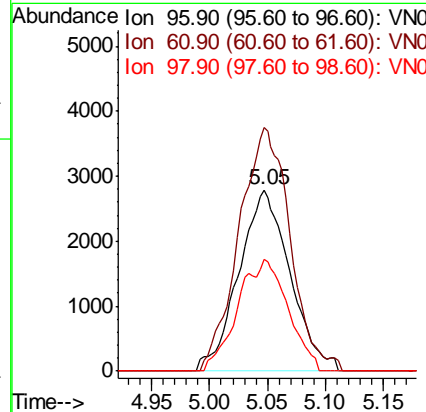
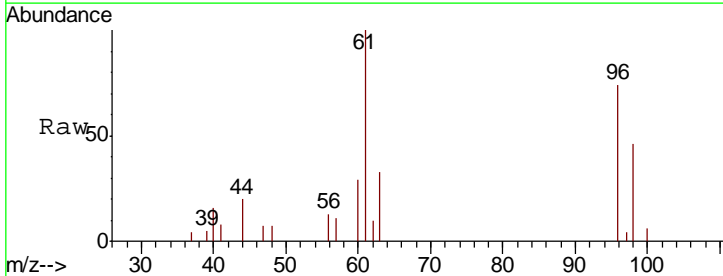
Instrument : MSVOA_N
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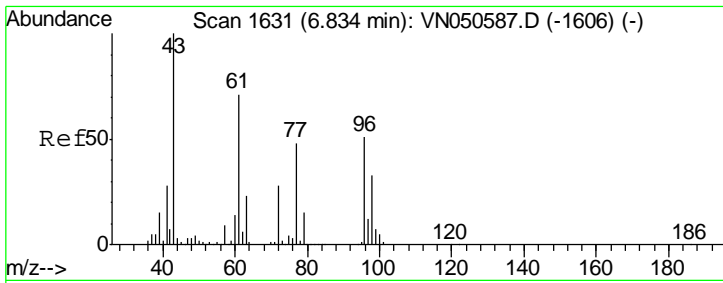
Tgt Ion	Resp	Lower	Upper
43	16916		
58	32.1	27.1	40.7



#21
 trans-1,2-Dichloroethene
 Concen: 1.15 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

Tgt Ion	Resp	Lower	Upper
96	8563		
61	134.4	111.2	166.8
98	61.5	51.6	77.4

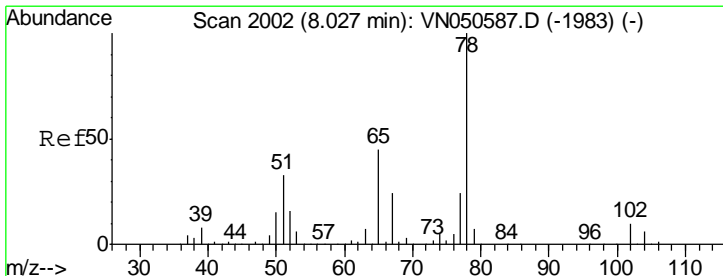
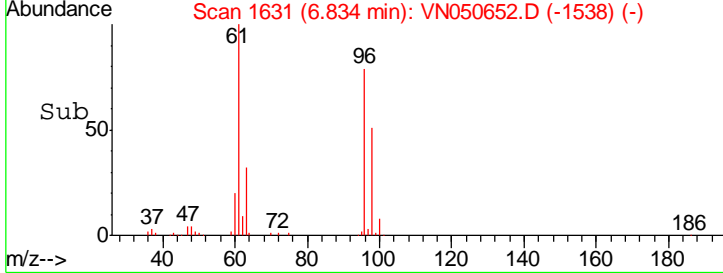
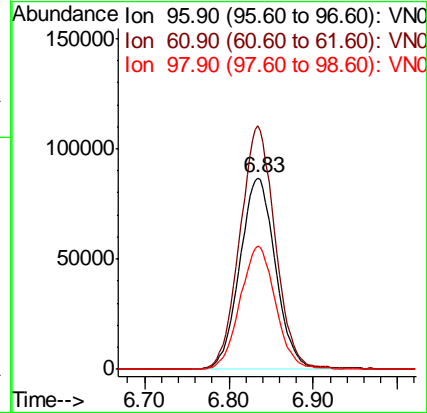
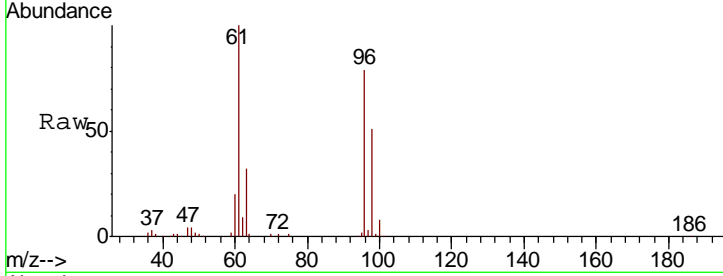




#27
 cis-1,2-Dichloroethene
 Concen: 30.91 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

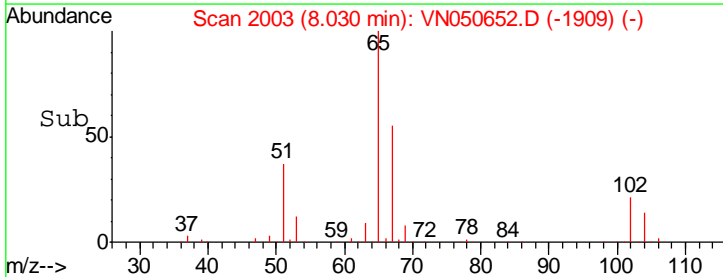
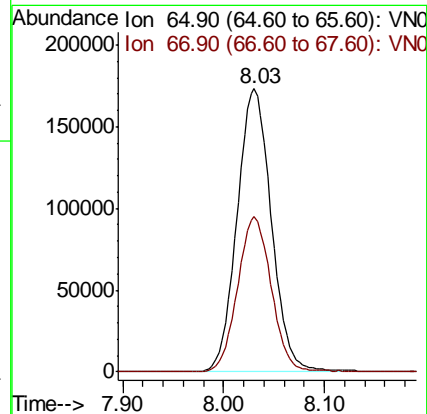
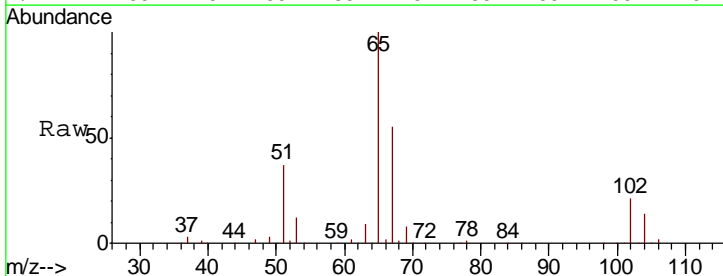
Instrument : MSVOA_N
 ClientSampled : 941-MW-02(23.8)

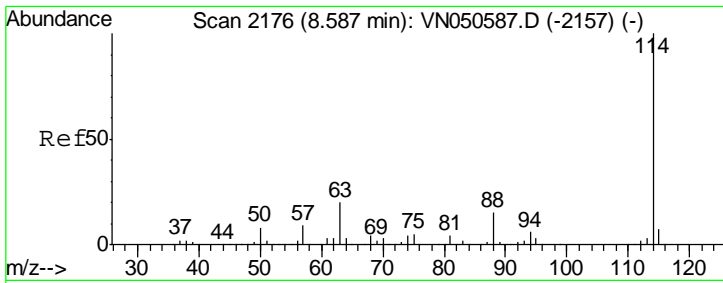
Tgt Ion	Resp	Lower	Upper
96	255963		
61	125.5	0.0	278.2
98	63.8	0.0	128.8



#33
 1,2-Dichloroethane-d4
 Concen: 51.32 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

Tgt Ion	Resp	Lower	Upper
65	408899		
67	54.1	0.0	109.8

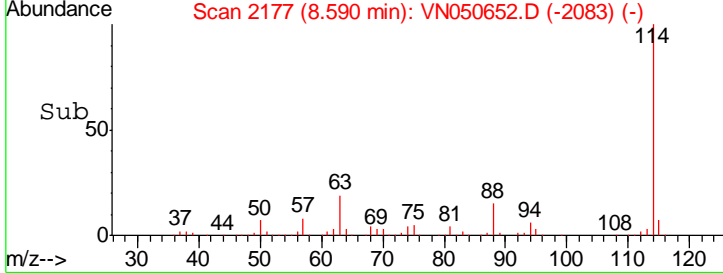
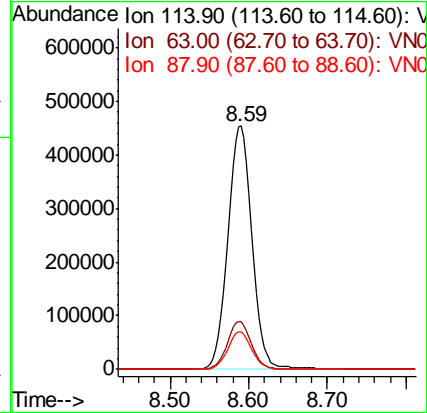
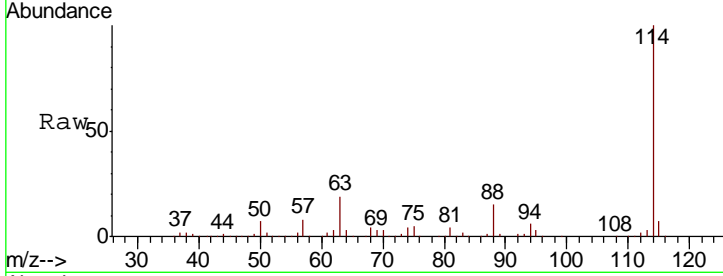




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

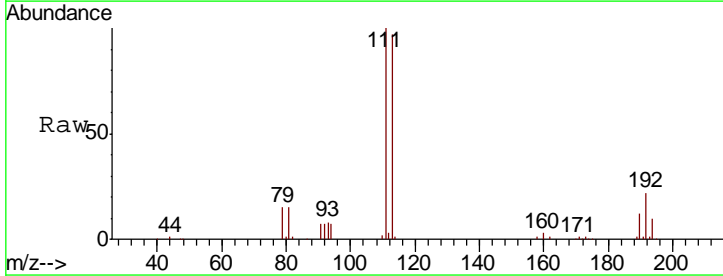
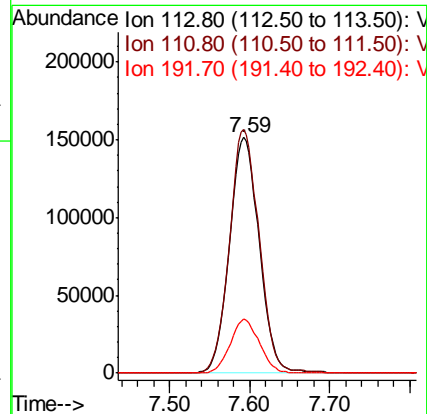
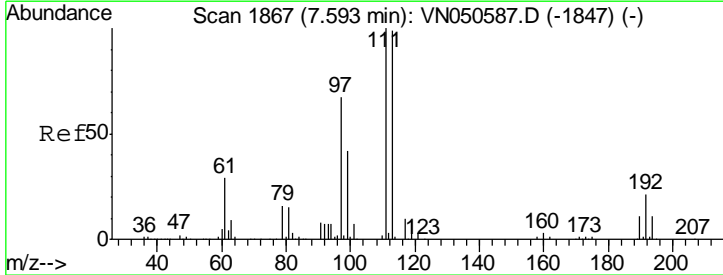
Instrument : MSVOA_N
 ClientSampleId : 941-MW-02(23.8)

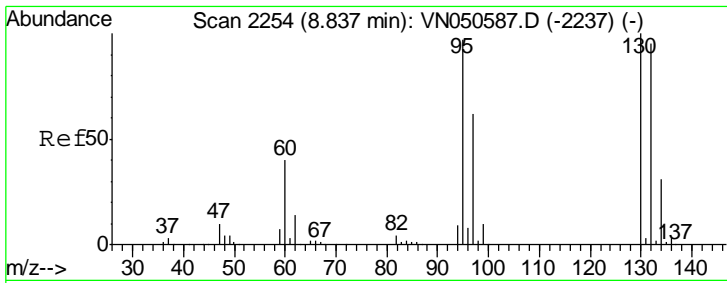
Tgt Ion	Resp	Lower	Upper
114	957998		
63	19.4	0.0	40.0
88	15.3	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 50.31 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

Tgt Ion	Resp	Lower	Upper
113	384814		
111	102.9	81.0	121.6
192	22.3	17.6	26.4

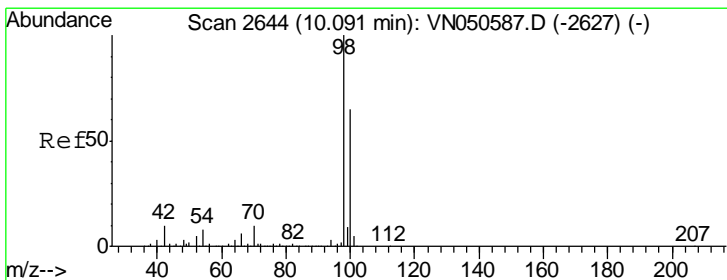
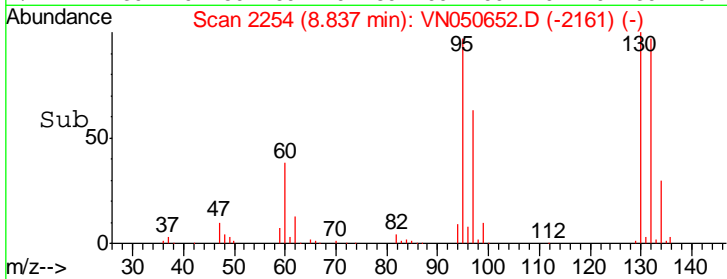
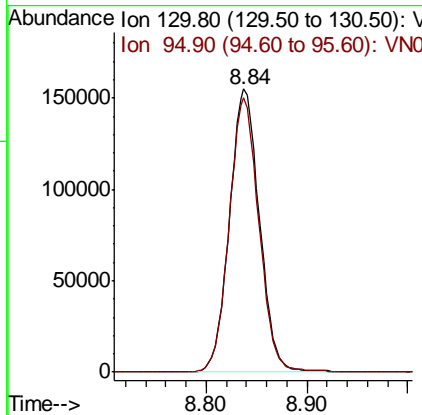
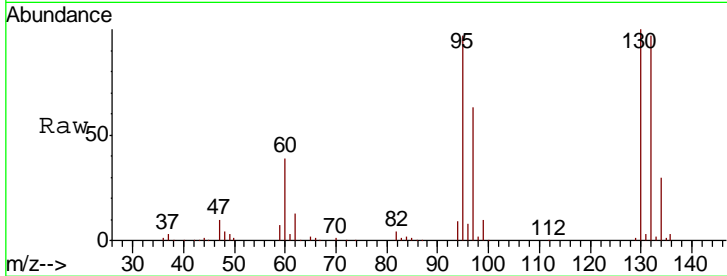




#44
 Trichloroethene
 Concen: 36.83 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

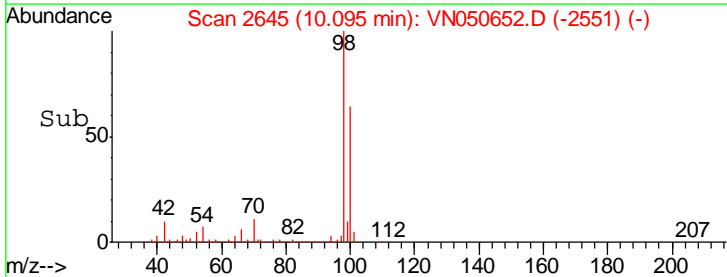
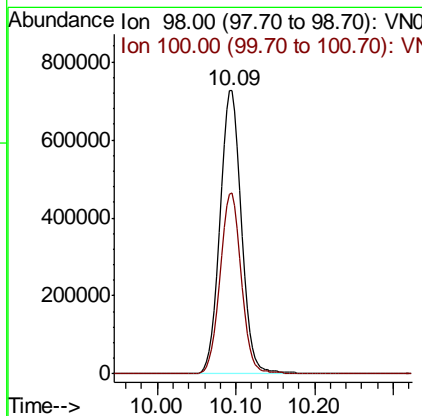
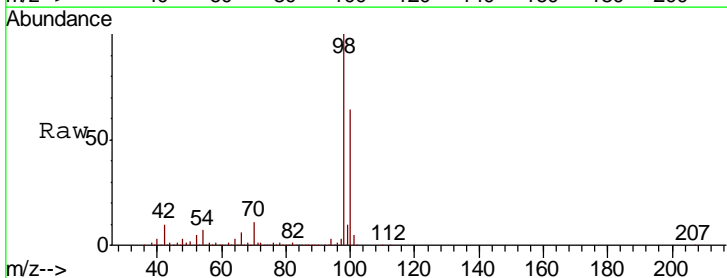
Instrument : MSVOA_N
 ClientSampleId : 941-MW-02(23.8)

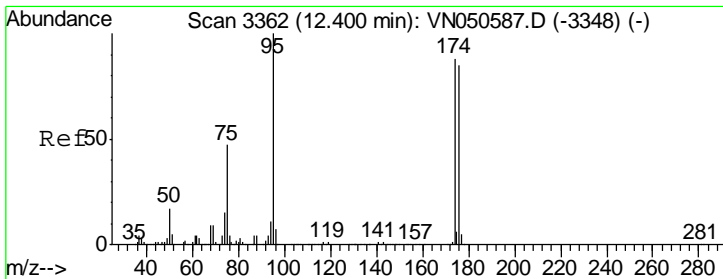
Tgt Ion	Resp	Lower	Upper
130	100		
95	96.9	0.0	193.8



#50
 Toluene-d8
 Concen: 47.38 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.1	51.8	77.8

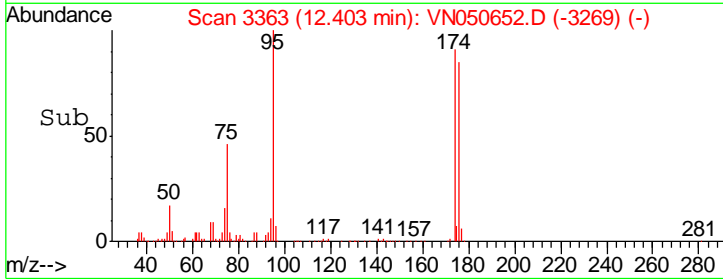
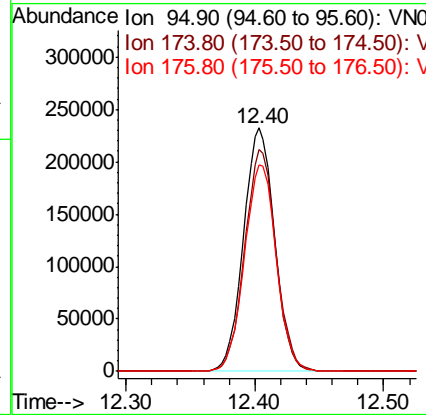
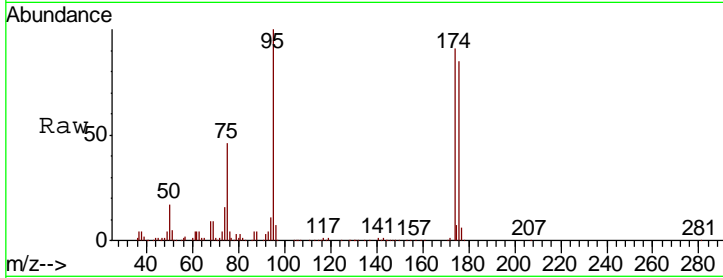




#62
 4-Bromofluorobenzene
 Concen: 41.05 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

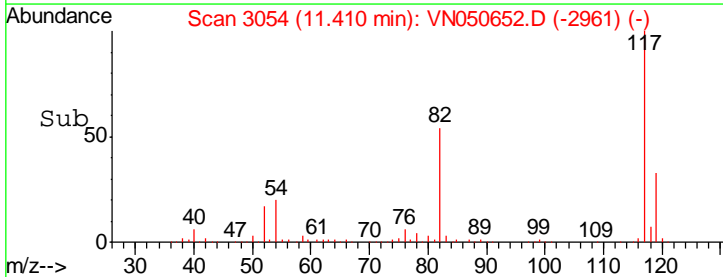
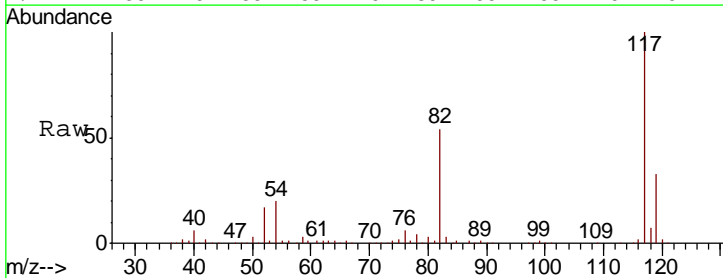
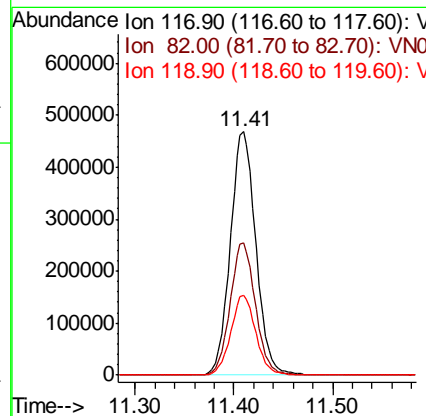
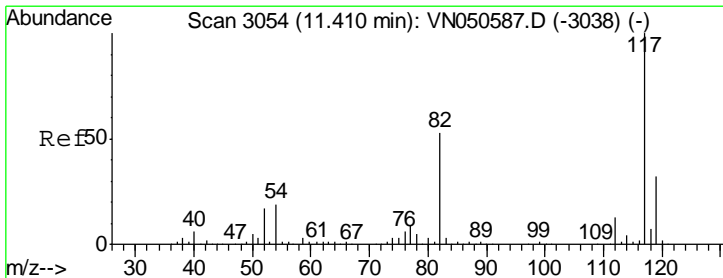
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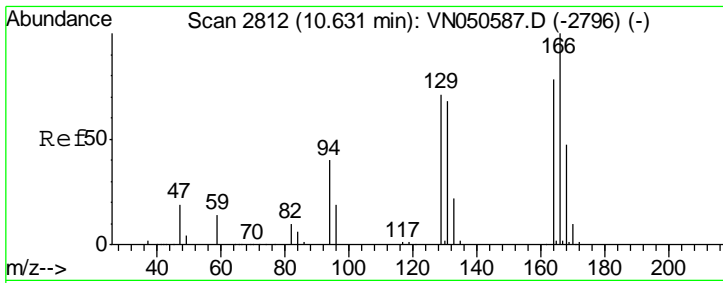
Tgt Ion	Resp	Lower	Upper
95	100		
174	91.3	0.0	177.8
176	86.5	0.0	175.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

Tgt Ion	Resp	Lower	Upper
117	100		
82	54.2	42.4	63.6
119	32.8	25.8	38.8

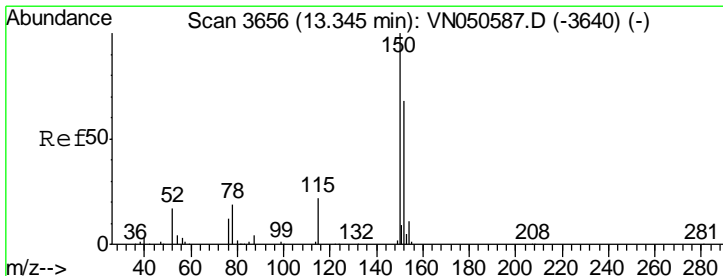
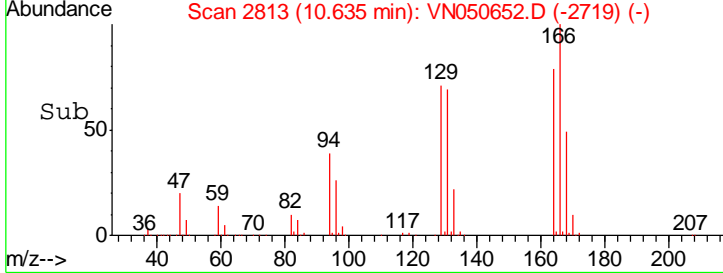
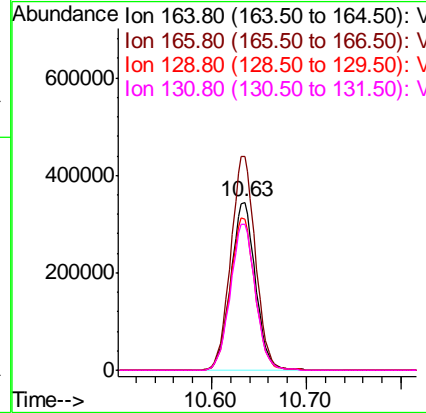
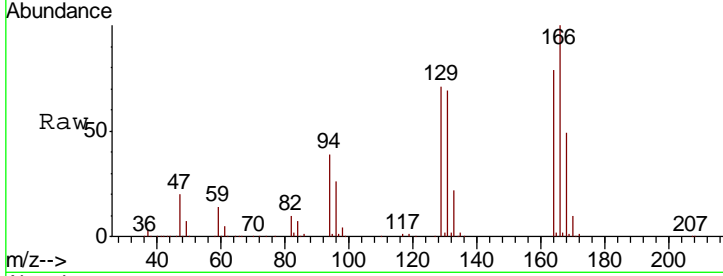




#64
 Tetrachloroethene
 Concen: 79.39 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

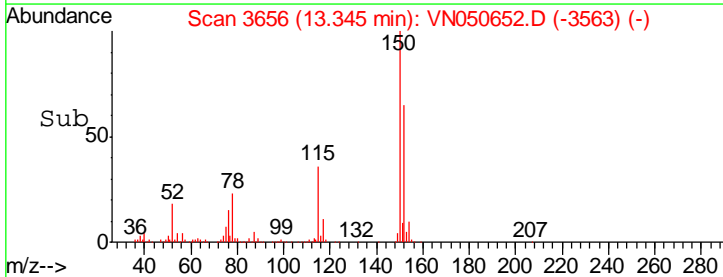
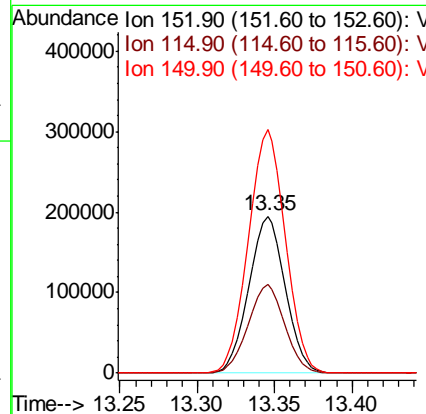
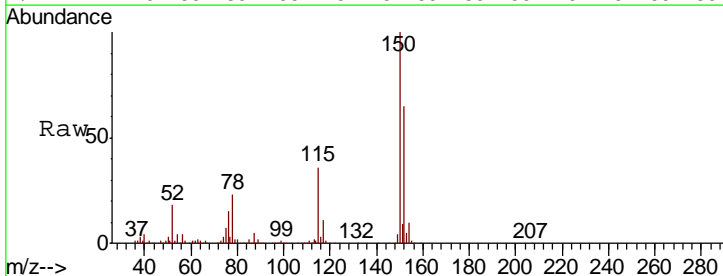
Instrument : MSVOA_N
 ClientSampled : 941-MW-02(23.8)

Tgt Ion	Resp	Lower	Upper
164	100		
166	127.4	102.1	153.1
129	90.3	72.7	109.1
131	87.3	69.9	104.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050652.D
 Acq: 15 Aug 2018 13:59

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.6	28.1	84.2
150	157.2	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081518\
 Data File : VN050652.D
 Acq On : 15 Aug 2018 13:59
 Operator : MD\SY
 Sample : J4465-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 941-MW-02(23.8)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	45	rBV	1029587	1689346	38.04%	6.659%
2	2.018	121	133	150	rBV	169575	274018	6.17%	1.080%
3	2.179	175	183	194	rVB2	64403	92305	2.08%	0.364%
4	2.799	366	376	391	rVB2	49540	102174	2.30%	0.403%
5	4.076	755	773	790	rBV2	16402	49679	1.12%	0.196%
6	6.834	1608	1631	1662	rBV	362589	1067754	24.04%	4.209%
7	7.593	1847	1867	1878	rBV	499381	1236686	27.84%	4.875%
8	7.667	1879	1890	1915	rVB	729282	1731283	38.98%	6.824%
9	8.030	1984	2003	2038	rBV	481159	1139762	25.66%	4.493%
10	8.587	2160	2176	2206	rBV	1018844	2153881	48.49%	8.490%
11	8.837	2238	2254	2282	rBV	813976	1682422	37.88%	6.632%
12	10.095	2628	2645	2688	rBV	1834910	3490912	78.60%	13.760%
13	10.632	2797	2812	2844	rVB	2437930	4441457	100.00%	17.507%
14	11.410	3039	3054	3083	rBV	1348107	2431166	54.74%	9.583%
15	12.403	3348	3363	3381	rBV	1132123	1924000	43.32%	7.584%
16	13.345	3642	3656	3673	rBV	1119927	1862293	41.93%	7.341%

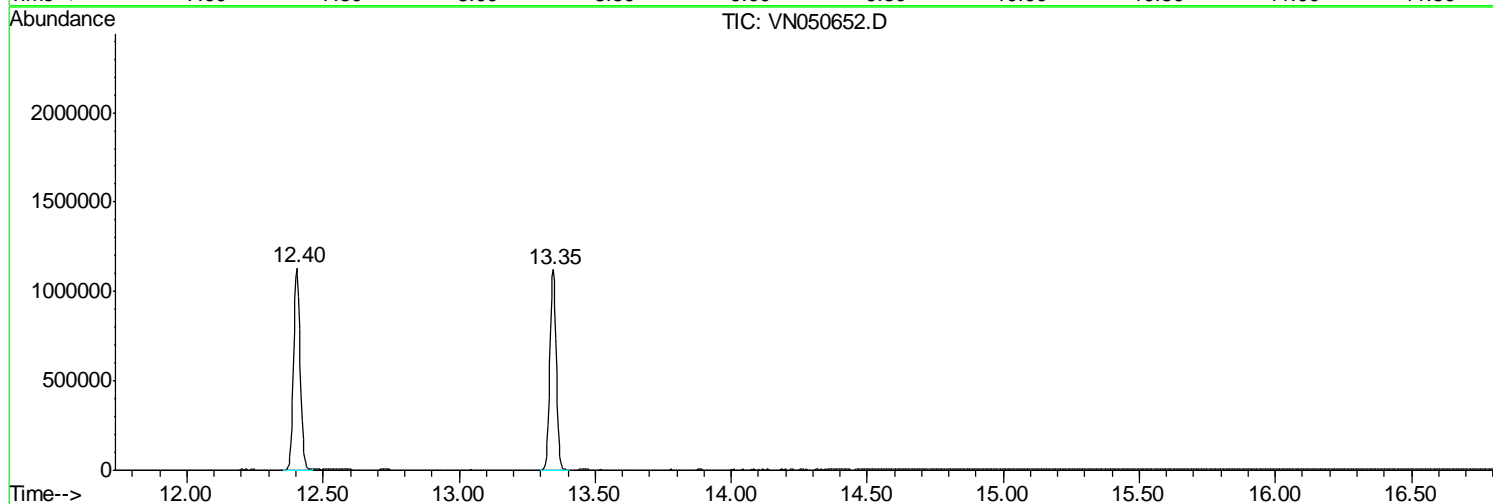
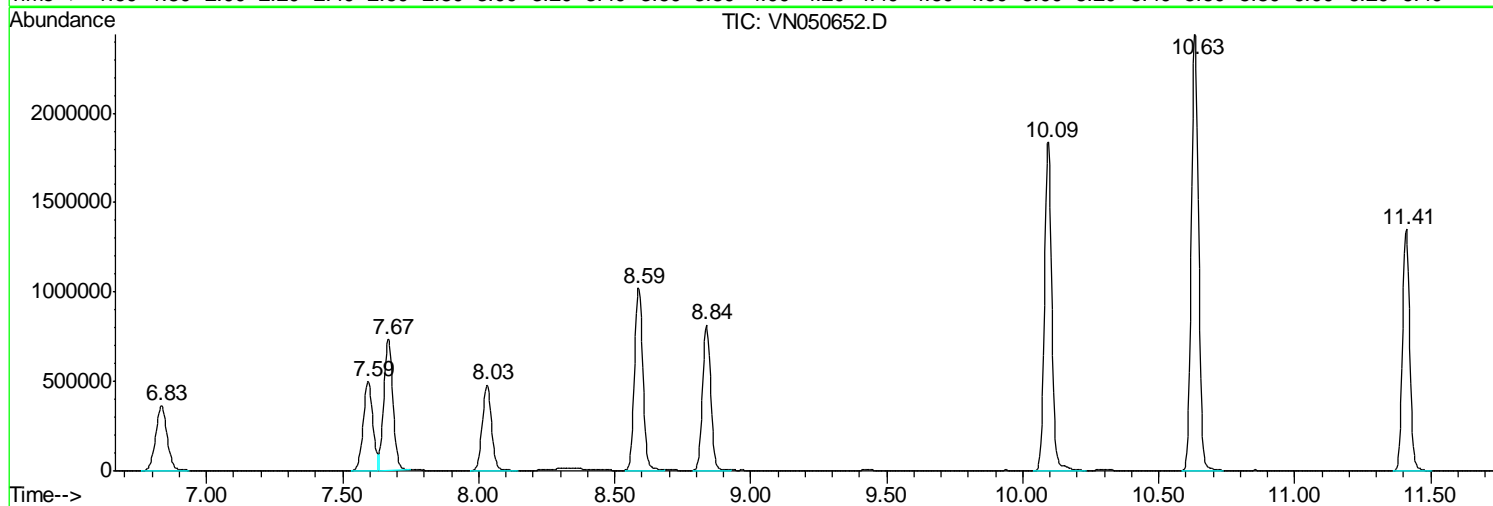
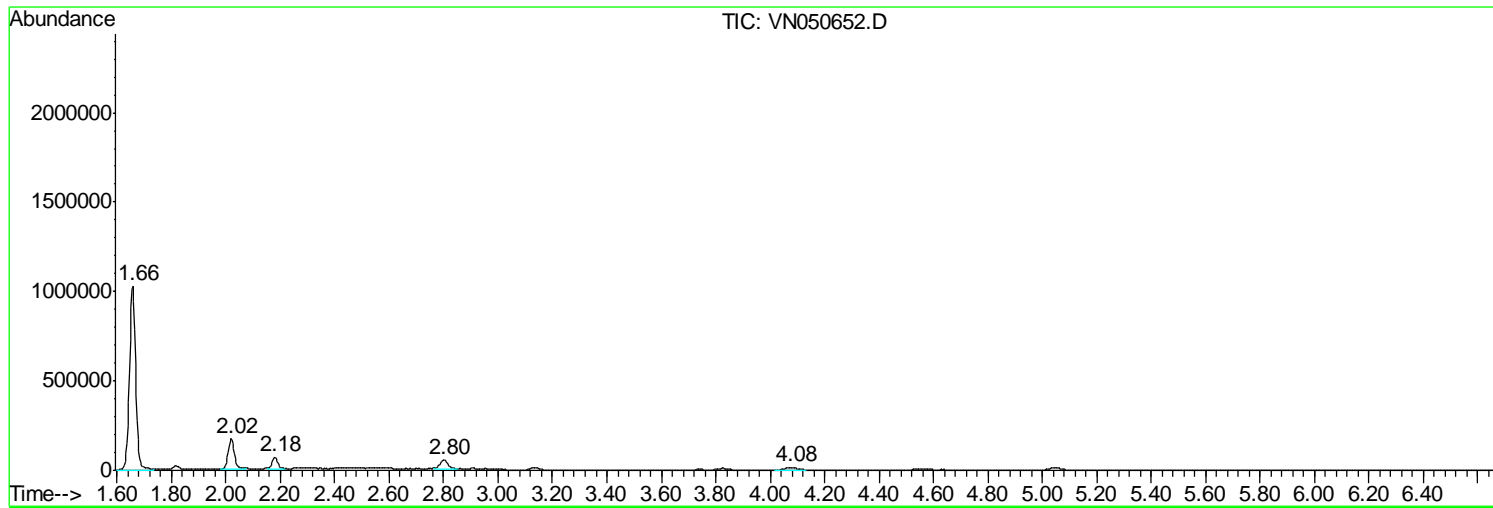
Sum of corrected areas: 25369138

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081518\
Data File : VN050652.D
Acq On : 15 Aug 2018 13:59
Operator : MD\SY
Sample : J4465-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
941-MW-02(23.8)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081518\
 Data File : VN050652.D
 Acq On : 15 Aug 2018 13:59
 Operator : MD\SY
 Sample : J4465-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 941-MW-02(23.8)

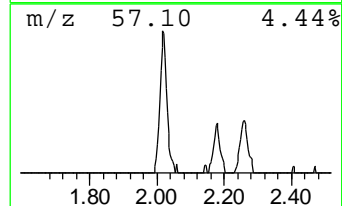
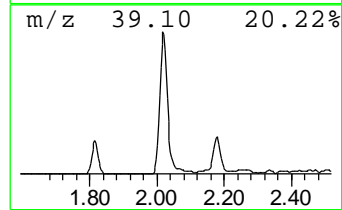
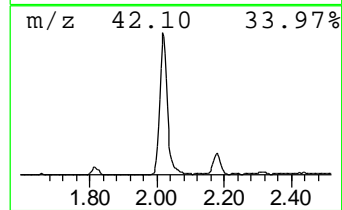
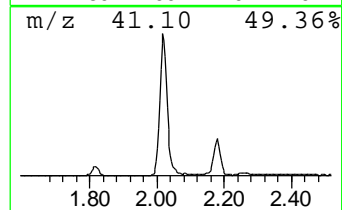
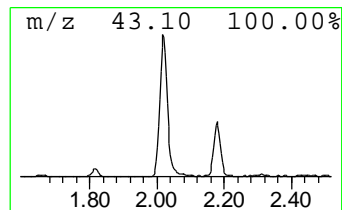
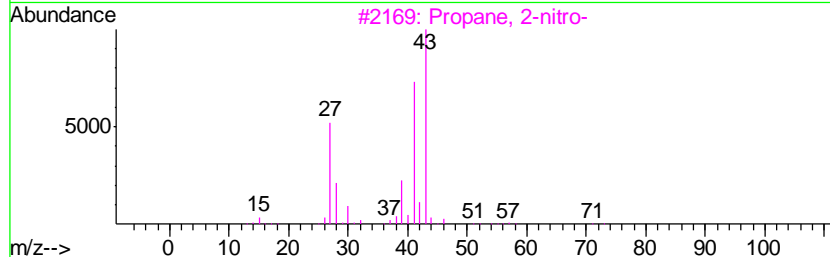
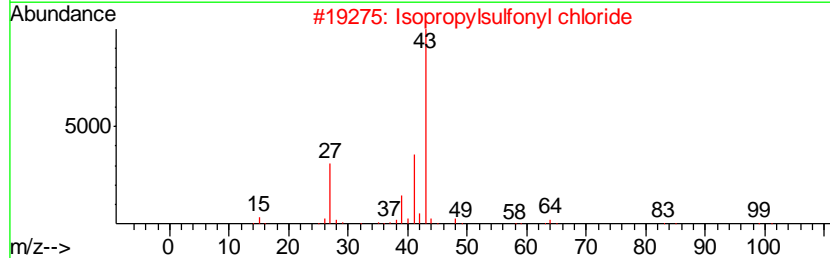
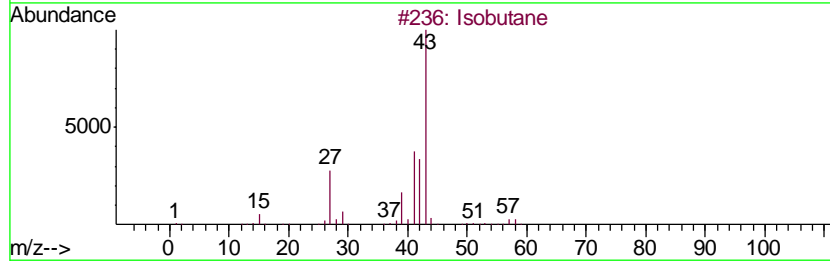
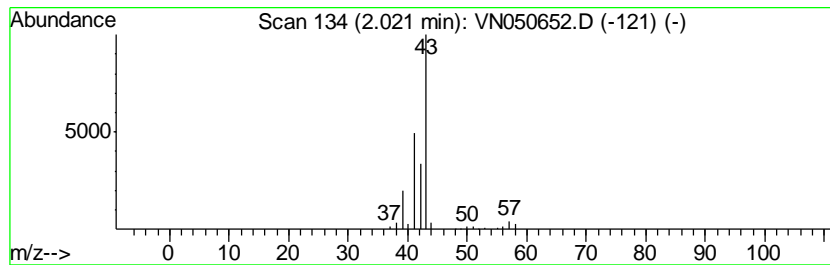
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 Isobutane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.02	7.91 ug/l	274018	Pentafluorobenzene	7.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isobutane	58	C4H10	000075-28-5	72
2		Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
3		Propane, 2-nitro-	89	C3H7NO2	000079-46-9	4
4		Propene	42	C3H6	000115-07-1	4
5		Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081518\
 Data File : VN050652.D
 Acq On : 15 Aug 2018 13:59
 Operator : MD\SY
 Sample : J4465-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 941-MW-02(23.8)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Isobutane	2.02	7.9	ug/l	274018	1	7.67	1731280	50.0



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	942-MW-03A(17)	SDG No.:	J4465
Lab Sample ID:	J4465-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050624.D	1		08/15/18 01:03	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.5	J	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	3.8	J	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	70.7		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	76.4		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	942-MW-03A(17)	SDG No.:	J4465
Lab Sample ID:	J4465-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050624.D	1		08/15/18 01:03	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	690	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.5		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		69 - 133		99%	SPK: 50
2037-26-5	Toluene-d8	47.1		65 - 126		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.3		58 - 135		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	675903	7.67				
540-36-3	1,4-Difluorobenzene	1012810	8.59				
3114-55-4	Chlorobenzene-d5	899145	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	324654	13.35				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	942-MW-03A(17)	SDG No.:	J4465
Lab Sample ID:	J4465-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050624.D	1		08/15/18 01:03	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050624.D
 Acq On : 15 Aug 2018 1:03
 Operator : MD\SY
 Sample : J4465-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 942-MW-03A(17)

Quant Time: Aug 15 14:21:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	675903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1012810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	899145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	421891	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	7.59	113	399230	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	10.09	98	1432729	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
62) 4-Bromofluorobenzene	12.40	95	394896	39.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.56%	

Target Compounds

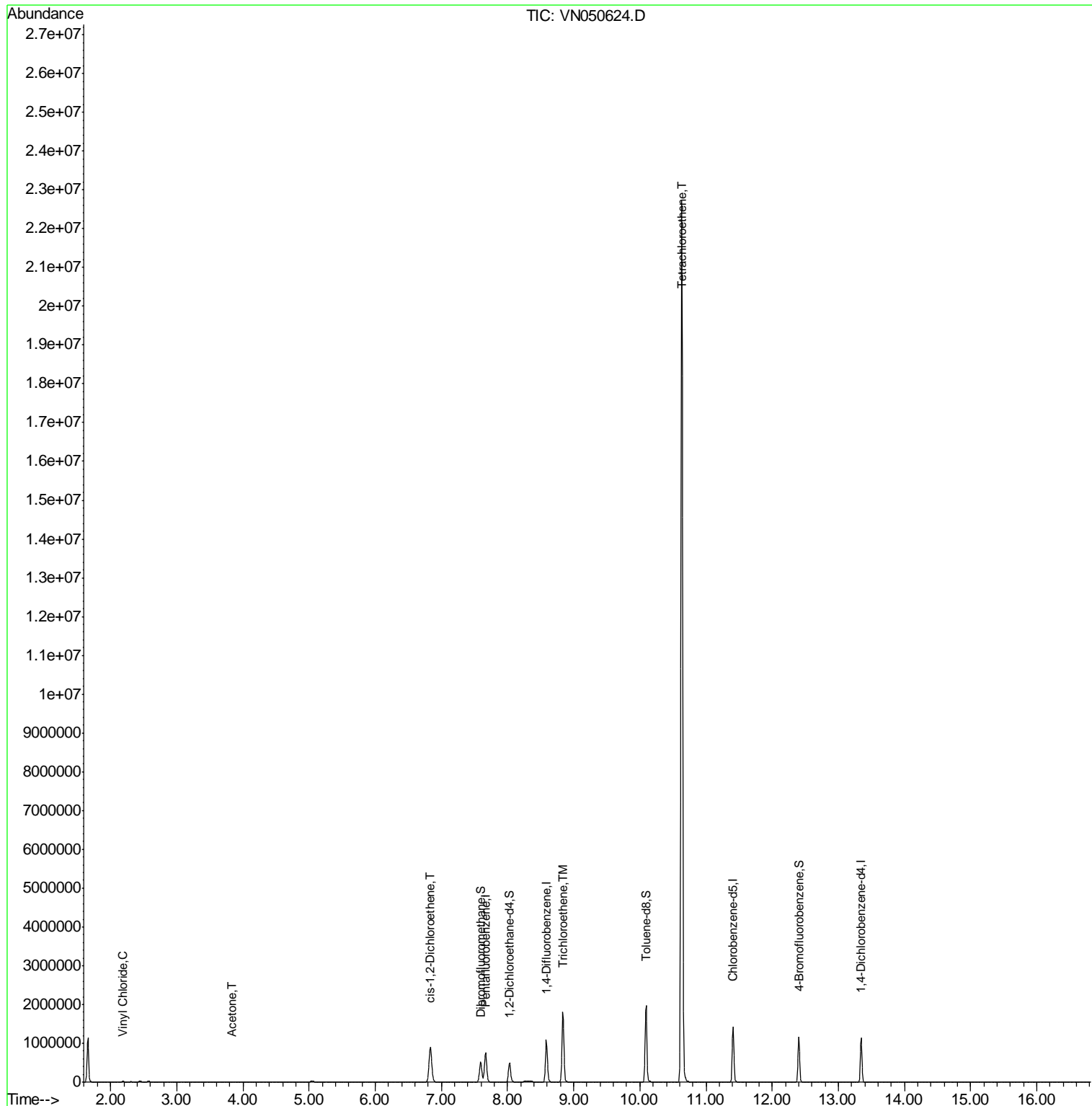
						Qvalue
4) Vinyl Chloride	2.18	62	5085	0.50	ug/l	97
16) Acetone	3.82	43	11193	3.83	ug/l	91
27) cis-1,2-Dichloroethene	6.83	96	625651	70.67	ug/l	92
44) Trichloroethene	8.84	130	702210	76.43	ug/l	99
64) Tetrachloroethene	10.63	164	5723272	685.40	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

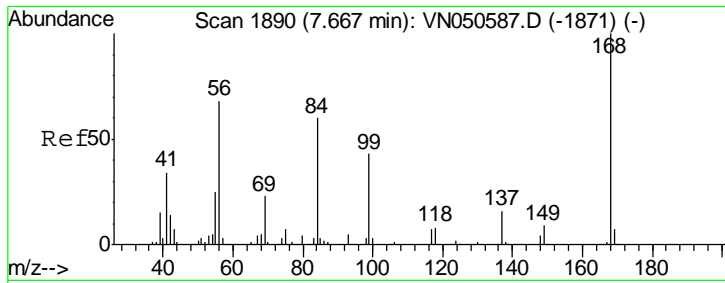
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 Data File : VN050624.D
 Acq On : 15 Aug 2018 1:03
 Operator : MD\SY
 Sample : J4465-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 942-MW-03A(17)

Quant Time: Aug 15 14:21:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



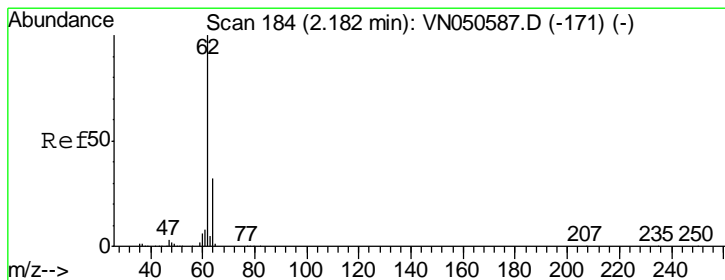
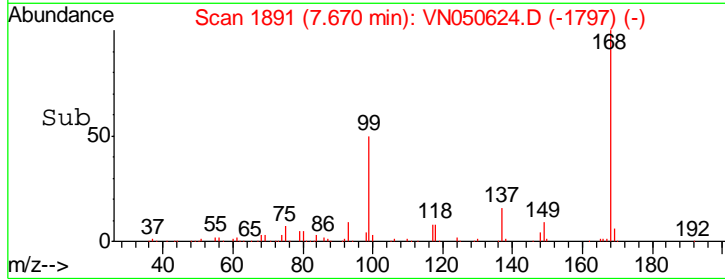
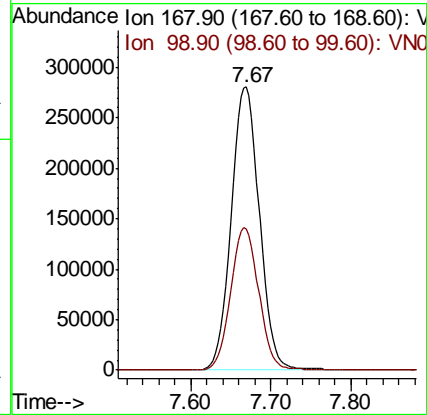
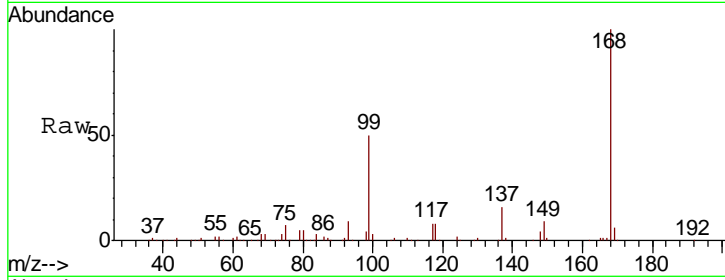
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

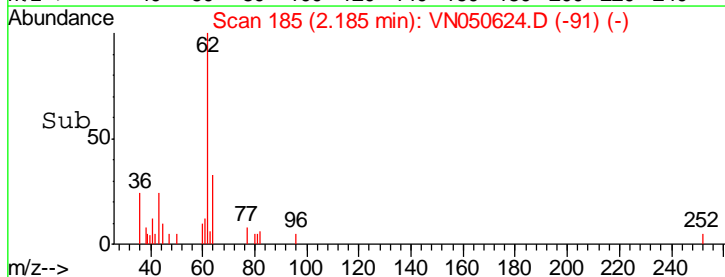
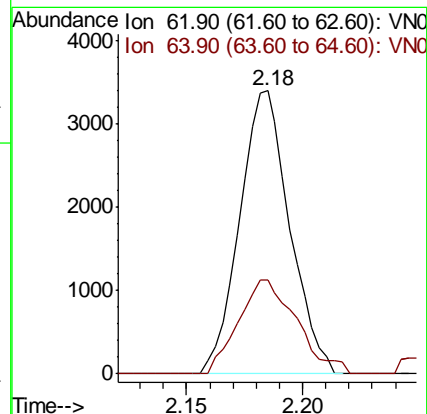
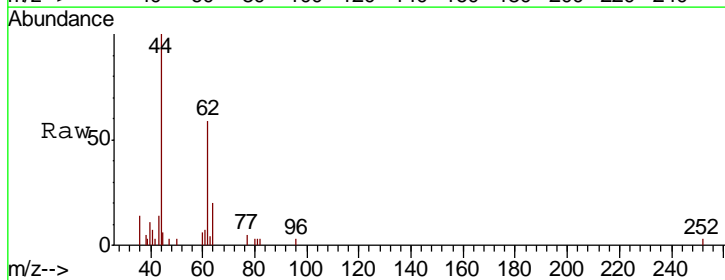
Instrument : MSVOA_N
 ClientSampleId : 942-MW-03A(17)

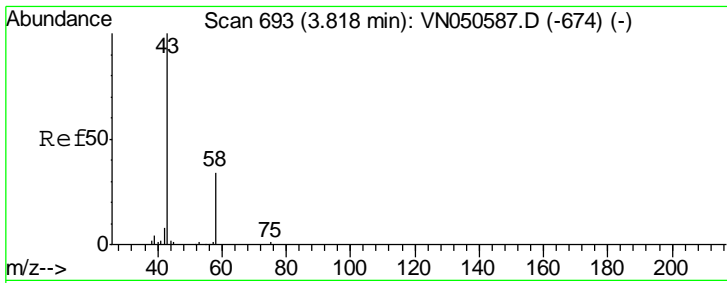
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.7	40.8	61.2



#4
 Vinyl Chloride
 Concen: 0.50 ug/l
 RT: 2.18 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

Tgt Ion	Resp	Lower	Upper
62	100		
64	33.1	25.2	37.8

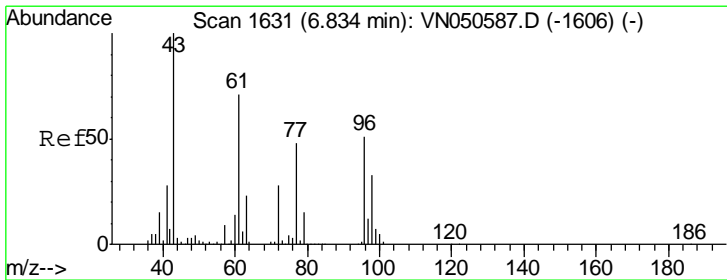
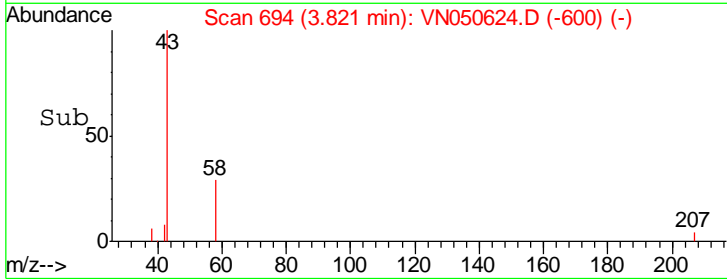
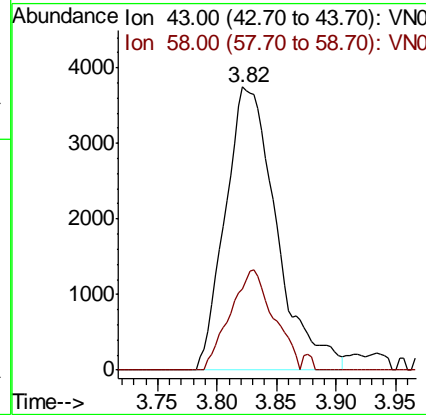
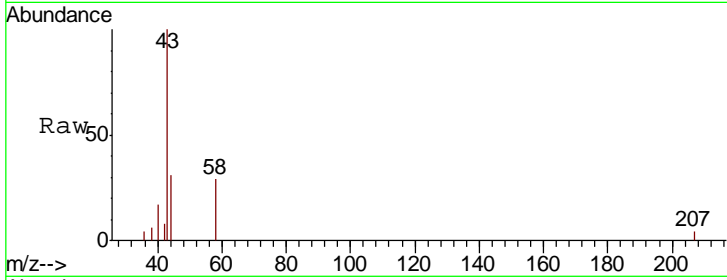




#16
 Acetone
 Concen: 3.83 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

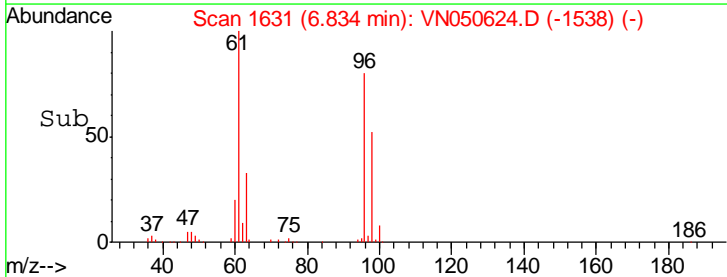
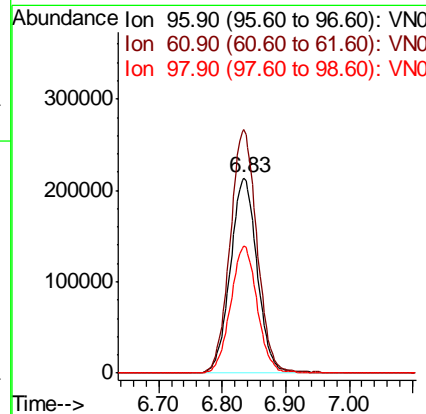
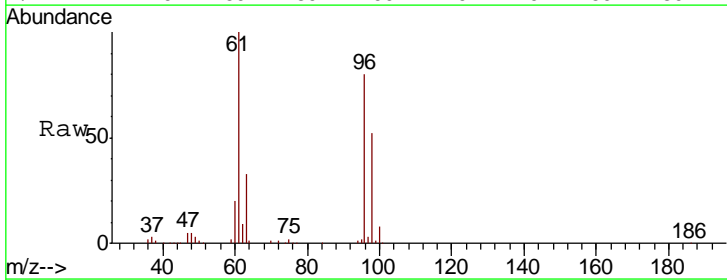
Instrument : MSVOA_N
 ClientSampled : 942-MW-03A(17)

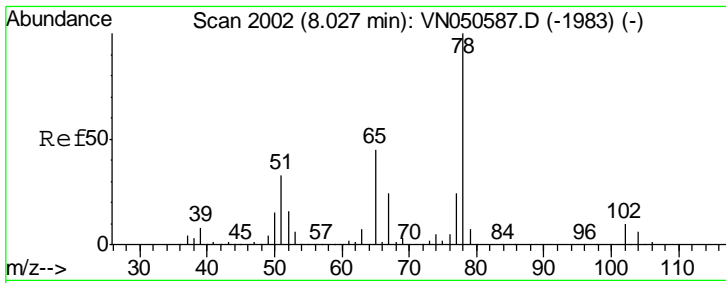
Tgt Ion	Resp	Lower	Upper
43	11193		
58	28.5	27.1	40.7



#27
 cis-1,2-Dichloroethene
 Concen: 70.67 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

Tgt Ion	Resp	Lower	Upper
96	625651		
61	124.7	0.0	278.2
98	64.5	0.0	128.8

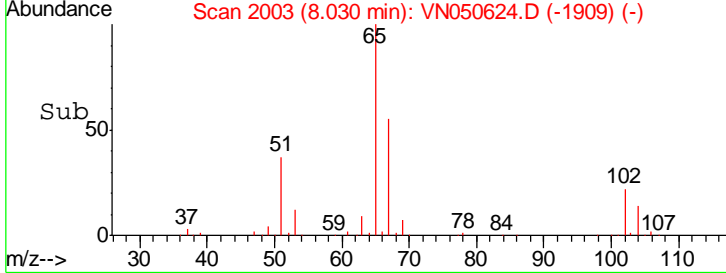
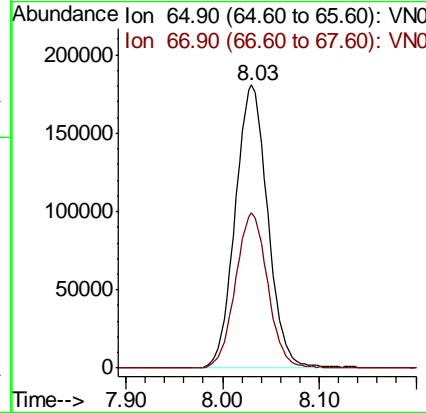
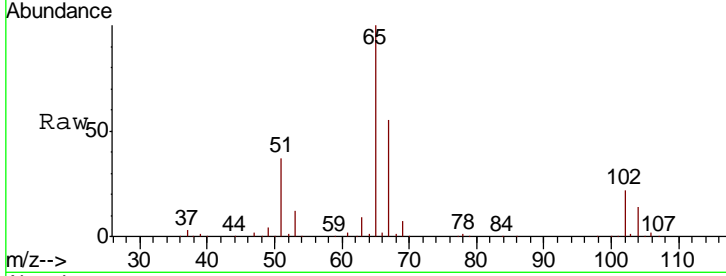




#33
 1,2-Dichloroethane-d4
 Concen: 49.52 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

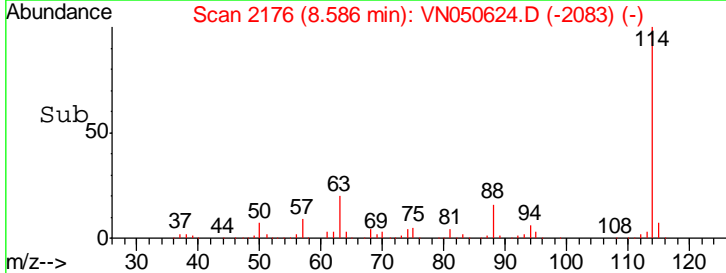
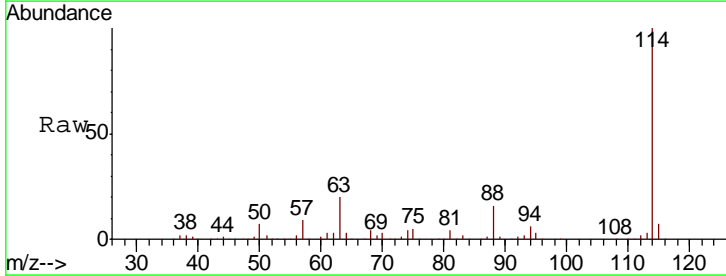
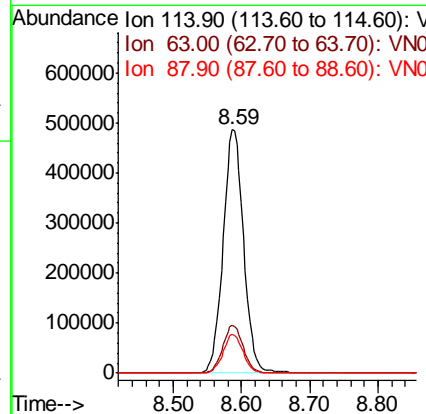
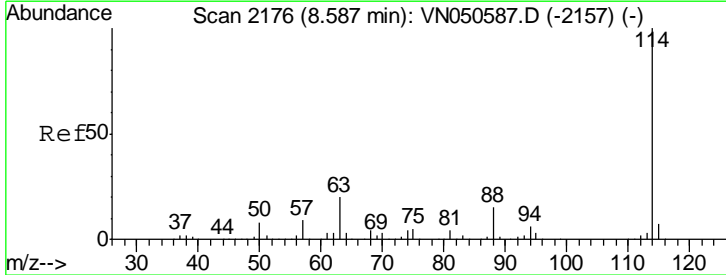
Instrument : MSVOA_N
 ClientSampleId : 942-MW-03A(17)

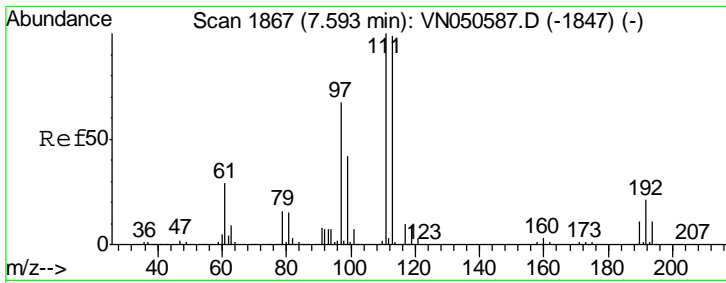
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.5	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	16.0	0.0	30.8

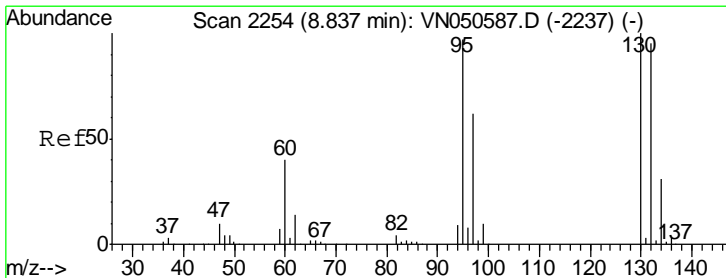
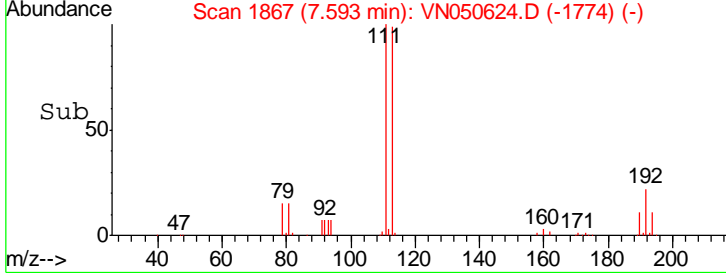
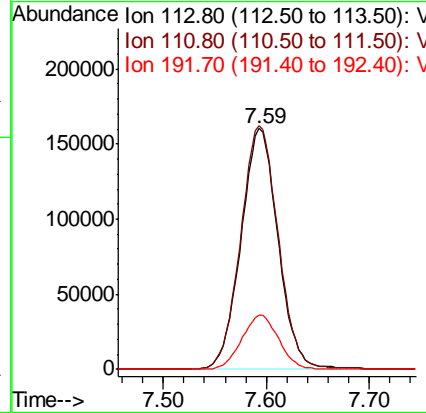
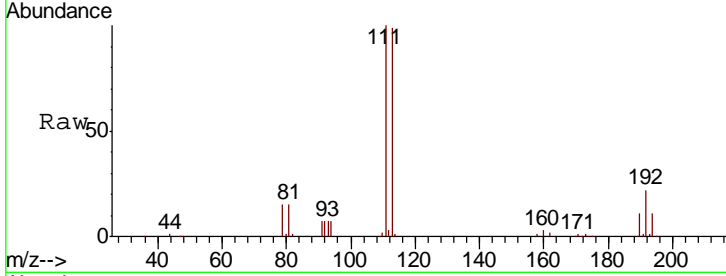




#35
 Dibromofluoromethane
 Concen: 49.37 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

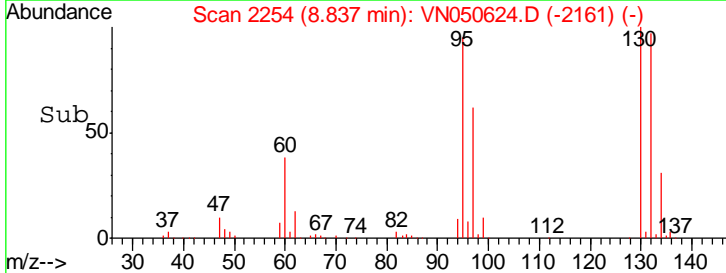
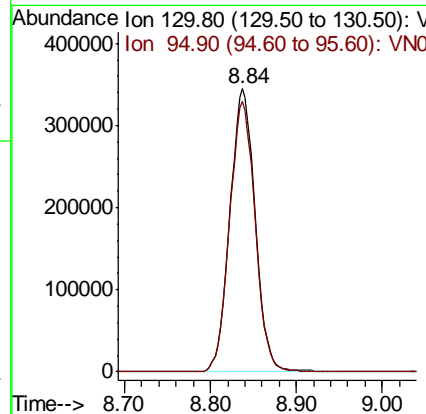
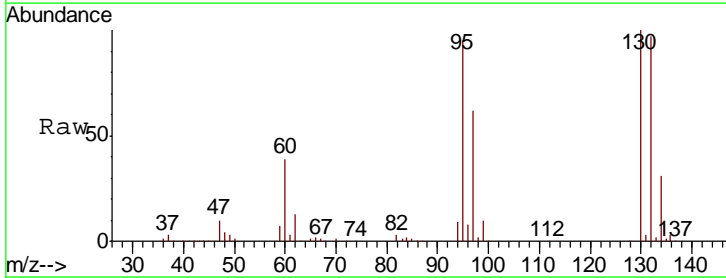
Instrument : MSVOA_N
 ClientSampled : 942-MW-03A(17)

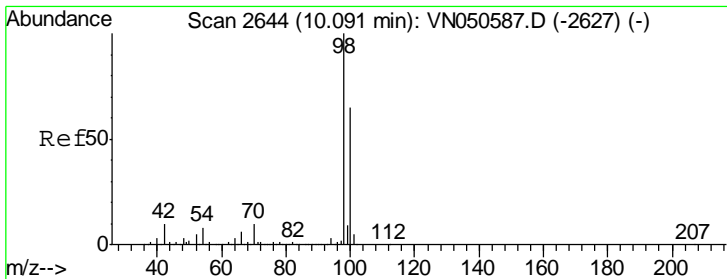
Tgt Ion	Resp	Lower	Upper
113	100		
111	103.2	81.0	121.6
192	22.6	17.6	26.4



#44
 Trichloroethene
 Concen: 76.43 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

Tgt Ion	Resp	Lower	Upper
130	100		
95	95.5	0.0	193.8



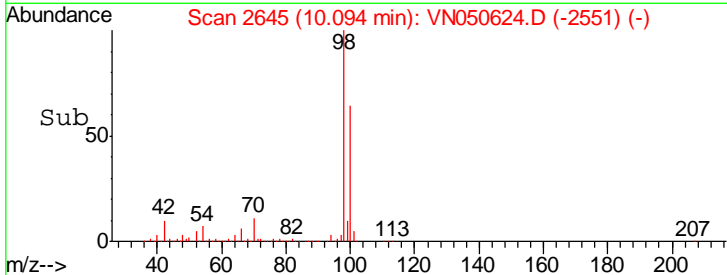
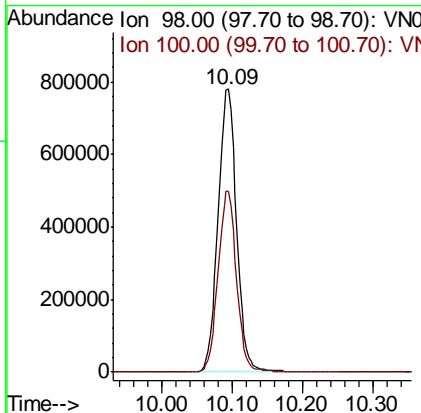
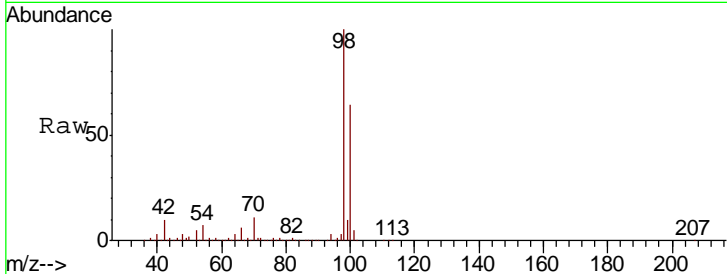


#50
 Toluene-d8
 Concen: 47.08 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

Instrument : MSVOA_N
 ClientSampled : 942-MW-03A(17)

Tgt Ion: 98 Resp: 1432729

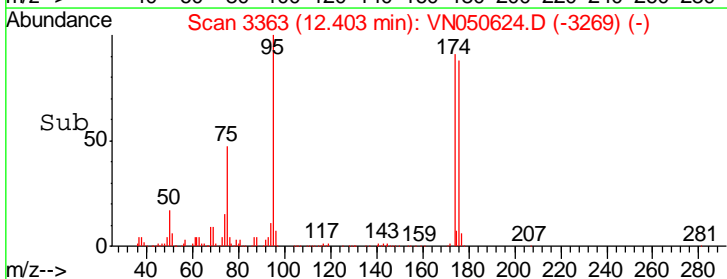
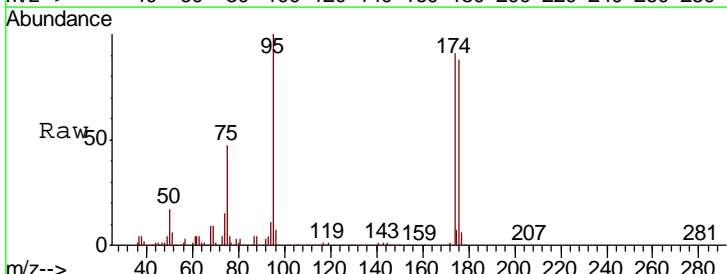
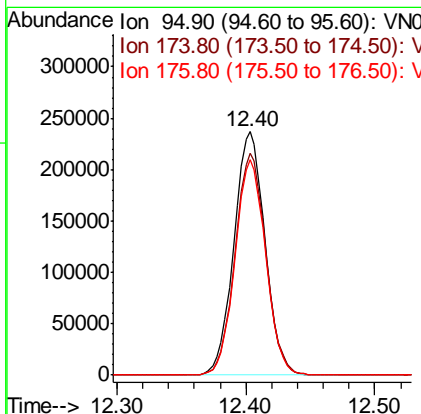
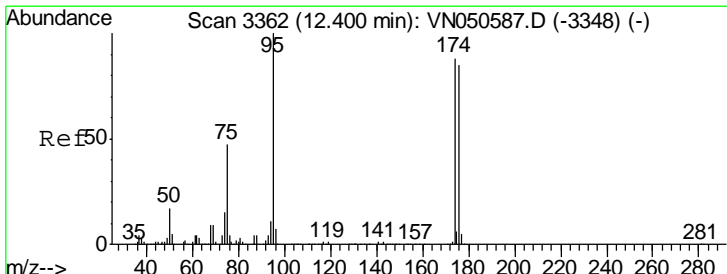
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.8	77.8

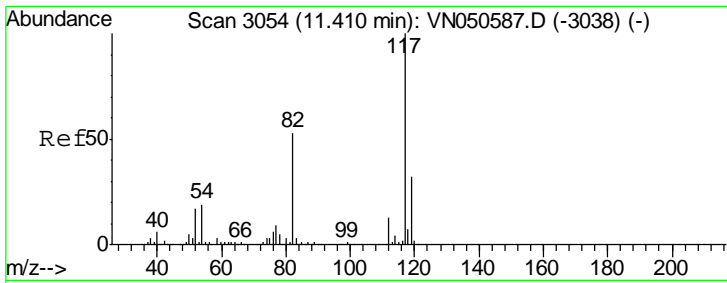


#62
 4-Bromofluorobenzene
 Concen: 39.28 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

Tgt Ion: 95 Resp: 394896

Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	177.8
176	87.5	0.0	175.0

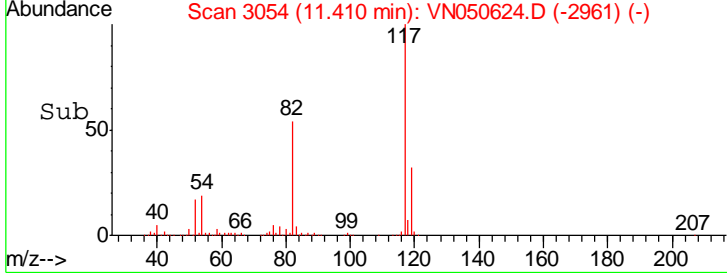
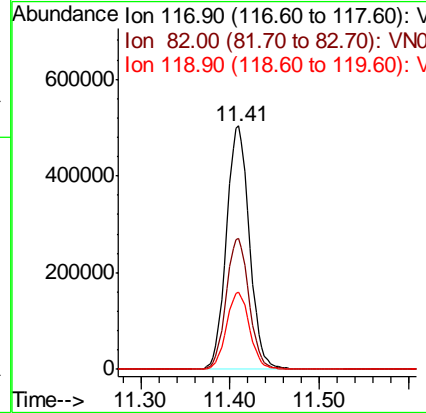
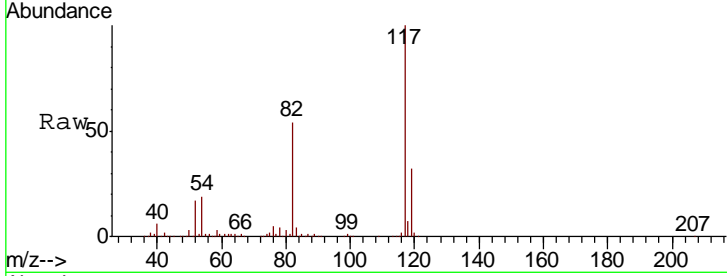




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

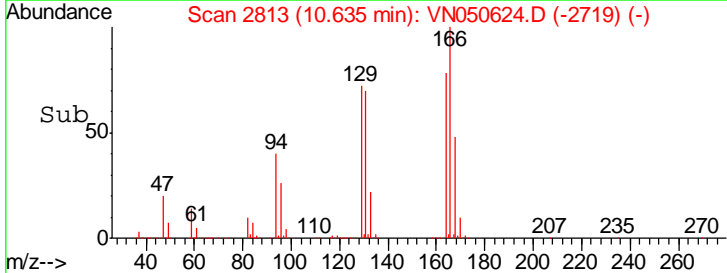
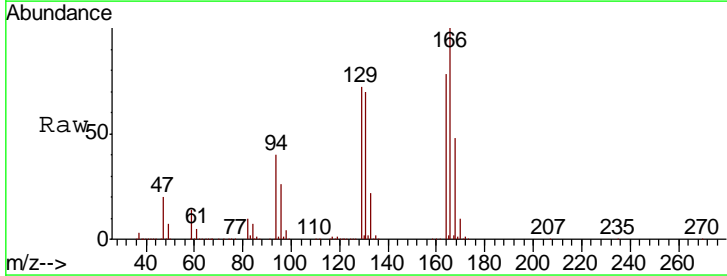
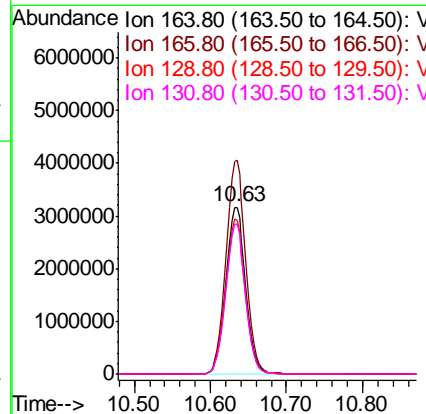
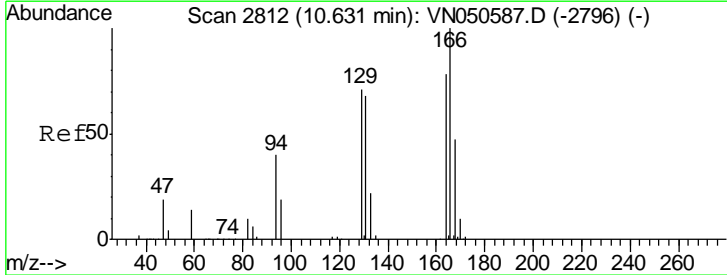
Instrument : MSVOA_N
 ClientSampled : 942-MW-03A(17)

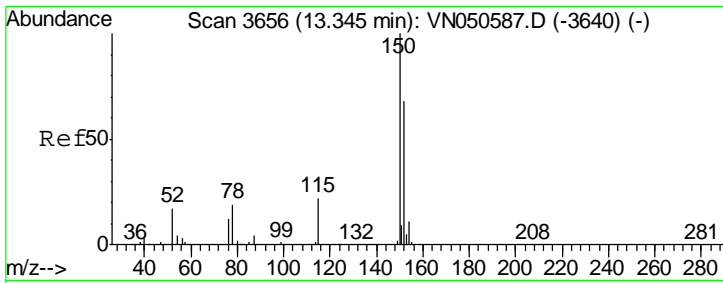
Tgt Ion	Resp	Lower	Upper
117	100		
82	53.6	42.4	63.6
119	31.6	25.8	38.8



#64
 Tetrachloroethene
 Concen: 685.40 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

Tgt Ion	Resp	Lower	Upper
164	100		
166	127.9	102.1	153.1
129	92.3	72.7	109.1
131	90.1	69.9	104.9

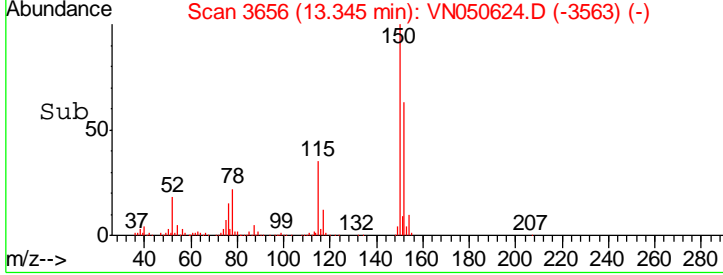
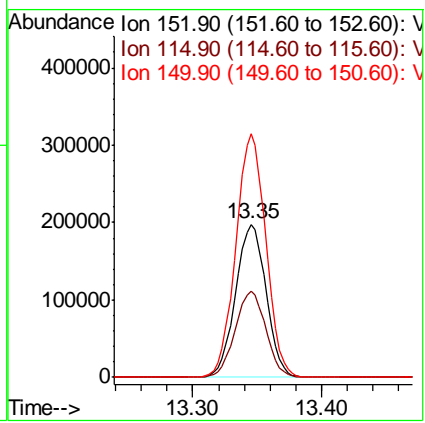
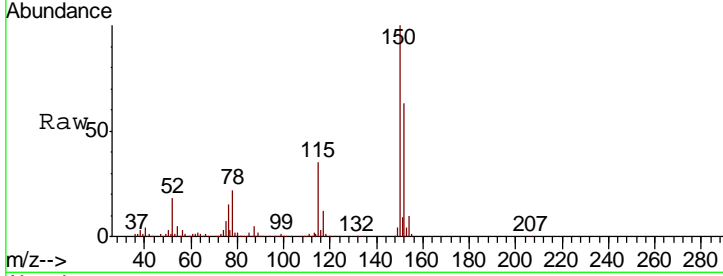




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050624.D
 Acq: 15 Aug 2018 1:03

Instrument : MSVOA_N
 ClientSampled : 942-MW-03A(17)

Tot Ion	Resp	Lower	Upper
152	100		
115	56.4	28.1	84.2
150	156.7	0.0	347.8



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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050624.D
 Acq On : 15 Aug 2018 1:03
 Operator : MD\SY
 Sample : J4465-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 942-MW-03A(17)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	43	rBV	1145440	1874859	4.57%	2.845%
2	6.834	1606	1631	1676	rBV	891924	2621406	6.38%	3.978%
3	7.593	1846	1867	1878	rBV	520055	1286140	3.13%	1.952%
4	7.667	1879	1890	1922	rVB	767910	1837301	4.47%	2.788%
5	8.030	1980	2003	2031	rBV	503486	1180239	2.87%	1.791%
6	8.586	2161	2176	2207	rBV	1100362	2273303	5.54%	3.450%
7	8.837	2236	2254	2281	rBV	1803793	3693330	8.99%	5.605%
8	10.094	2624	2645	2689	rBV	1972607	3651709	8.89%	5.542%
9	10.635	2795	2813	2855	rBV	22716704	41062008	100.00%	62.315%
10	11.410	3039	3054	3081	rBV	1432292	2571445	6.26%	3.902%
11	12.403	3349	3363	3383	rBV	1172377	1961726	4.78%	2.977%
12	13.345	3642	3656	3676	rBV	1149741	1880568	4.58%	2.854%

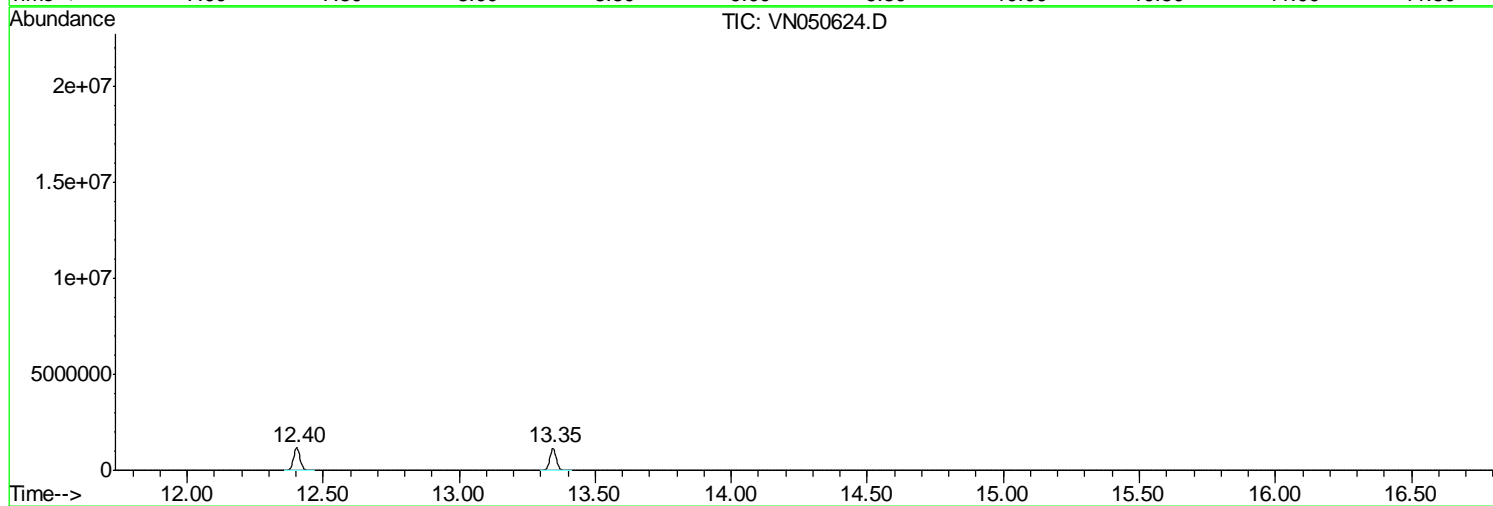
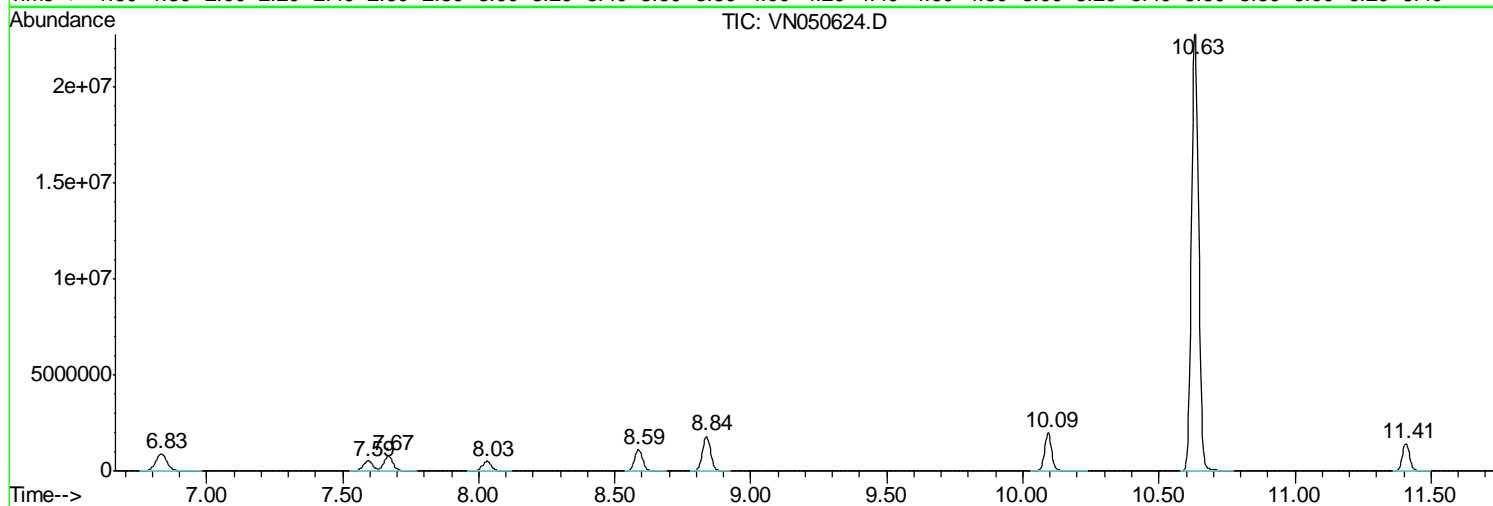
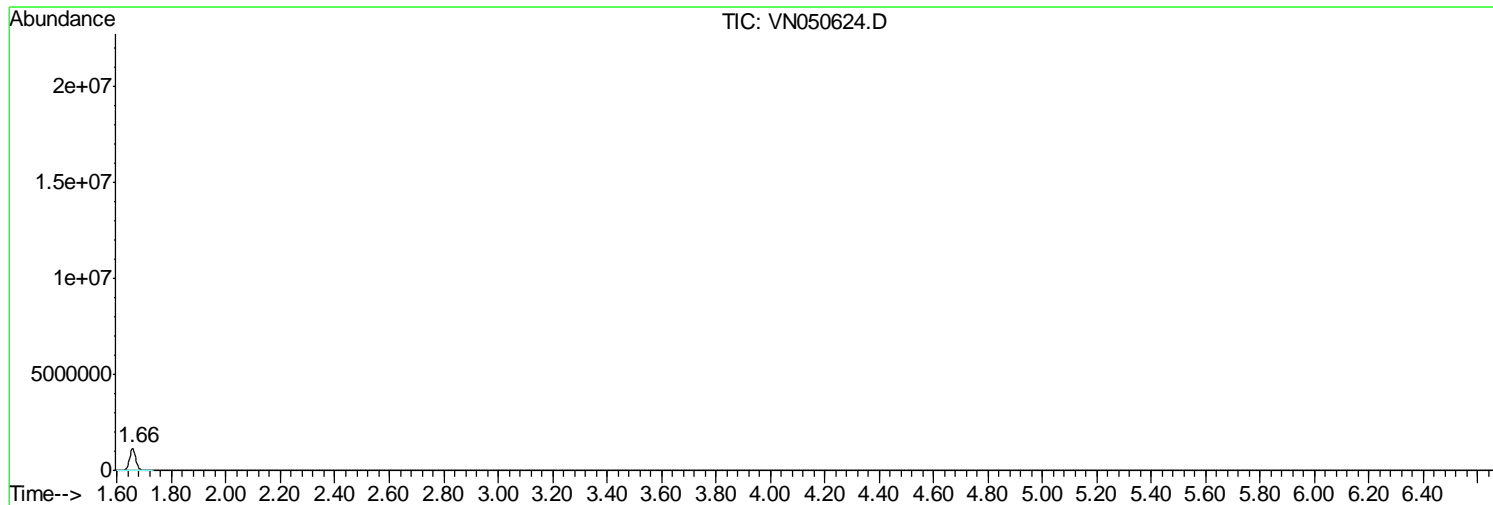
Sum of corrected areas: 65894034

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050624.D
Acq On : 15 Aug 2018 1:03
Operator : MD\SY
Sample : J4465-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
942-MW-03A(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050624.D
Acq On : 15 Aug 2018 1:03
Operator : MD\SY
Sample : J4465-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
942-MW-03A(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050624.D
 Acq On : 15 Aug 2018 1:03
 Operator : MD\SY
 Sample : J4465-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 942-MW-03A(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	942-MW-03A(17)DL	SDG No.:	J4465
Lab Sample ID:	J4465-03DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050647.D	10		08/15/18 11:56	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10	UD	2	2	10	ug/L
74-87-3	Chloromethane	10	UD	2	2	10	ug/L
75-01-4	Vinyl Chloride	10	UD	2	2	10	ug/L
74-83-9	Bromomethane	10	UD	2	2	10	ug/L
75-00-3	Chloroethane	10	UD	2	5	10	ug/L
75-69-4	Trichlorofluoromethane	10	UD	2	2	10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10	UD	2	2	10	ug/L
75-35-4	1,1-Dichloroethene	10	UD	2	2	10	ug/L
67-64-1	Acetone	50	UD	5	10	50	ug/L
75-15-0	Carbon Disulfide	10	UD	2	2	10	ug/L
1634-04-4	Methyl tert-butyl Ether	10	UD	3.5	5	10	ug/L
79-20-9	Methyl Acetate	10	UD	2	5	10	ug/L
75-09-2	Methylene Chloride	10	UD	2	2	10	ug/L
156-60-5	trans-1,2-Dichloroethene	10	UD	2	2	10	ug/L
75-34-3	1,1-Dichloroethane	10	UD	2	2	10	ug/L
110-82-7	Cyclohexane	10	UD	2	2	10	ug/L
78-93-3	2-Butanone	50	UD	13.2	25	50	ug/L
56-23-5	Carbon Tetrachloride	10	UD	2	2	10	ug/L
156-59-2	cis-1,2-Dichloroethene	67.5	D	2	2	10	ug/L
74-97-5	Bromochloromethane	10	UD	2	5	10	ug/L
67-66-3	Chloroform	10	UD	2	2	10	ug/L
71-55-6	1,1,1-Trichloroethane	10	UD	2	2	10	ug/L
108-87-2	Methylcyclohexane	10	UD	2	2	10	ug/L
71-43-2	Benzene	10	UD	2	2	10	ug/L
107-06-2	1,2-Dichloroethane	10	UD	2	2	10	ug/L
79-01-6	Trichloroethene	72.4	D	2	2	10	ug/L
78-87-5	1,2-Dichloropropane	10	UD	2	2	10	ug/L
75-27-4	Bromodichloromethane	10	UD	2	2	10	ug/L
108-10-1	4-Methyl-2-Pentanone	50	UD	10	10	50	ug/L
108-88-3	Toluene	10	UD	2	2	10	ug/L
10061-02-6	t-1,3-Dichloropropene	10	UD	2	2	10	ug/L
10061-01-5	cis-1,3-Dichloropropene	10	UD	2	2	10	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	942-MW-03A(17)DL	SDG No.:	J4465
Lab Sample ID:	J4465-03DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050647.D	10		08/15/18 11:56	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10	UD	2	2	10	ug/L
591-78-6	2-Hexanone	50	UD	19.4	25	50	ug/L
124-48-1	Dibromochloromethane	10	UD	2	2	10	ug/L
106-93-4	1,2-Dibromoethane	10	UD	2	2	10	ug/L
127-18-4	Tetrachloroethene	610	D	2	2	10	ug/L
108-90-7	Chlorobenzene	10	UD	2	2	10	ug/L
100-41-4	Ethyl Benzene	10	UD	2	2	10	ug/L
179601-23-1	m/p-Xylenes	20	UD	4	4	20	ug/L
95-47-6	o-Xylene	10	UD	2	2	10	ug/L
100-42-5	Styrene	10	UD	2	2	10	ug/L
75-25-2	Bromoform	10	UD	2	2	10	ug/L
98-82-8	Isopropylbenzene	10	UD	2	2	10	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10	UD	2	2	10	ug/L
541-73-1	1,3-Dichlorobenzene	10	UD	2	2	10	ug/L
106-46-7	1,4-Dichlorobenzene	10	UD	2	2	10	ug/L
95-50-1	1,2-Dichlorobenzene	10	UD	2	2	10	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10	UD	2	2	10	ug/L
120-82-1	1,2,4-Trichlorobenzene	10	UD	2	2	10	ug/L
87-61-6	1,2,3-Trichlorobenzene	10	UD	2	2	10	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.9		61 - 141		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	47.8		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.7		58 - 135		81%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	628209	7.67				
540-36-3	1,4-Difluorobenzene	974785	8.59				
3114-55-4	Chlorobenzene-d5	881701	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	314670	13.35				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	942-MW-03A(17)DL	SDG No.:	J4465
Lab Sample ID:	J4465-03DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050647.D	10		08/15/18 11:56	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050647.D
 Acq On : 15 Aug 2018 11:56
 Operator : MD\SY
 Sample : J4465-03DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 942-MW-03A(17)DL

Quant Time: Aug 16 02:24:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	628209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	974785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	881701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	314670	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	411319	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
35) Dibromofluoromethane	7.59	113	392243	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.09	98	1398892	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	12.40	95	393637	40.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.36%	

Target Compounds

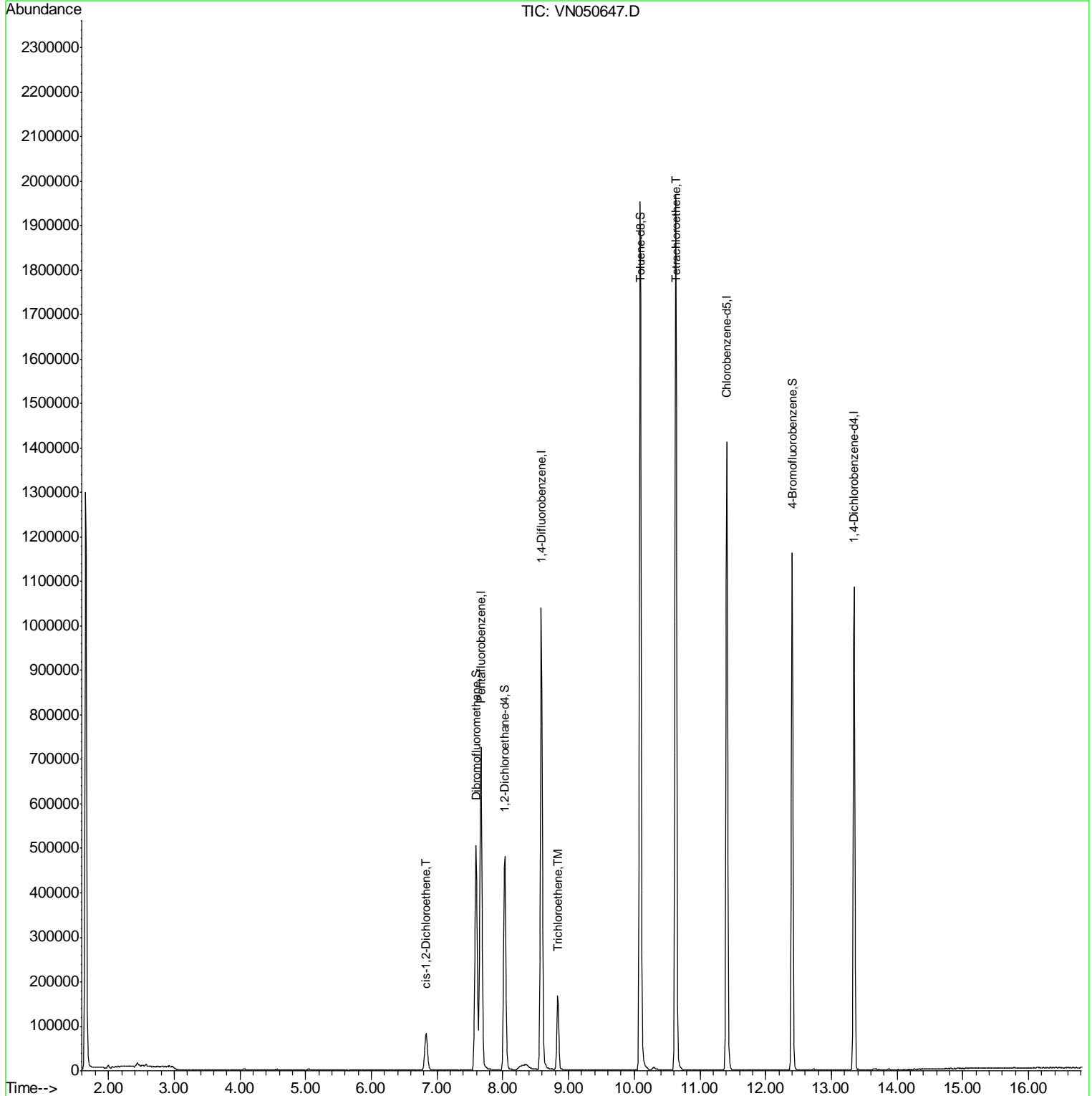
						Qvalue
27) cis-1,2-Dichloroethene	6.83	96	55548	6.75	ug/l	93
44) Trichloroethene	8.84	130	64048	7.24	ug/l	98
64) Tetrachloroethene	10.63	164	498359	60.86	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

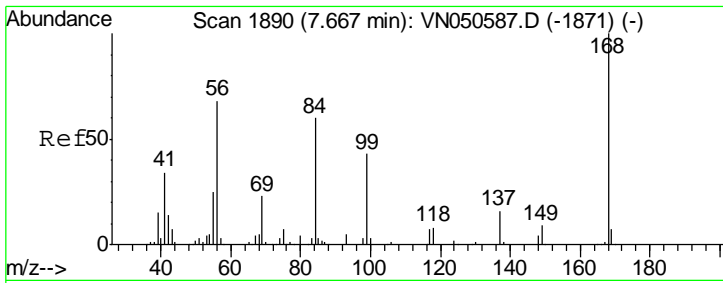
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050647.D
 Acq On : 15 Aug 2018 11:56
 Operator : MD\SY
 Sample : J4465-03DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 942-MW-03A(17)DL

Quant Time: Aug 16 02:24:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



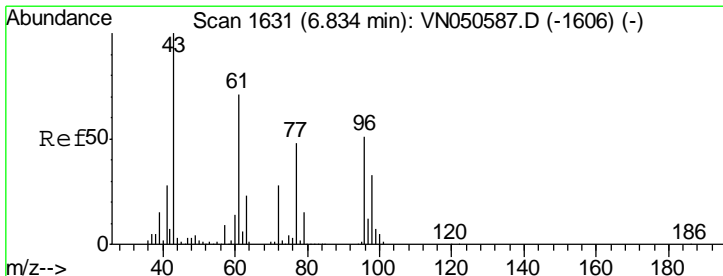
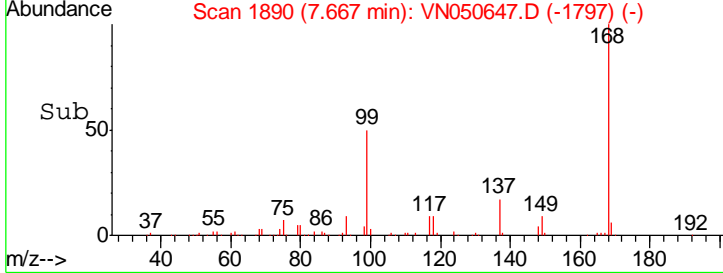
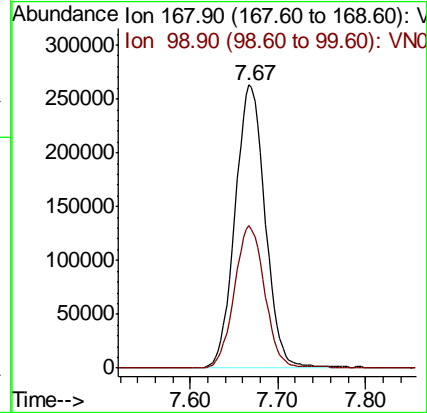
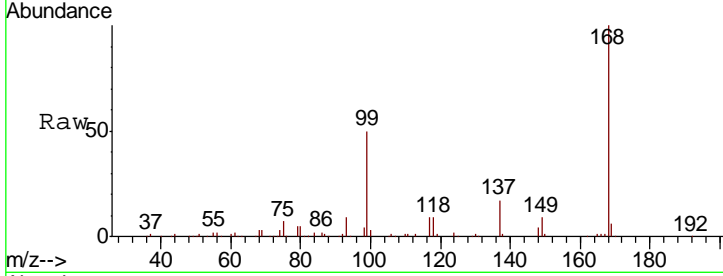
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050647.D
 Acq: 15 Aug 2018 11:56

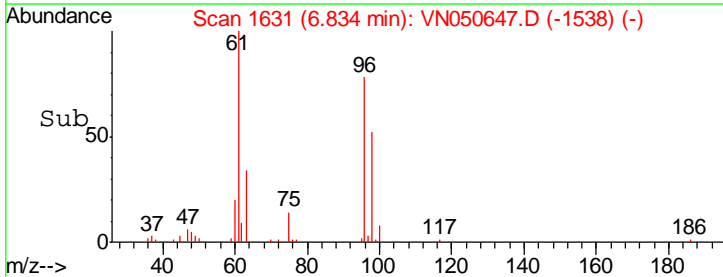
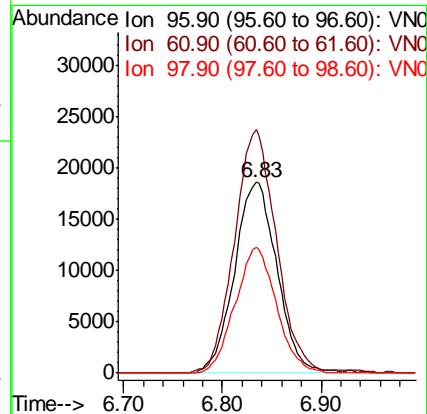
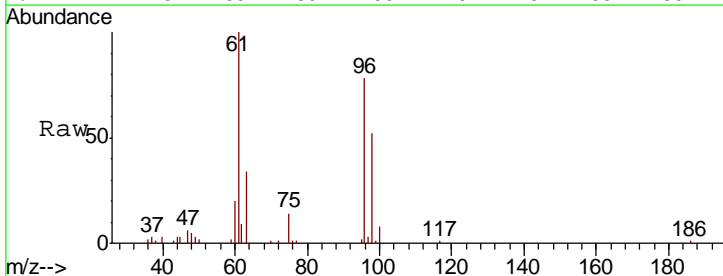
Instrument : MSVOA_N
 ClientSampleId : 942-MW-03A(17)DL

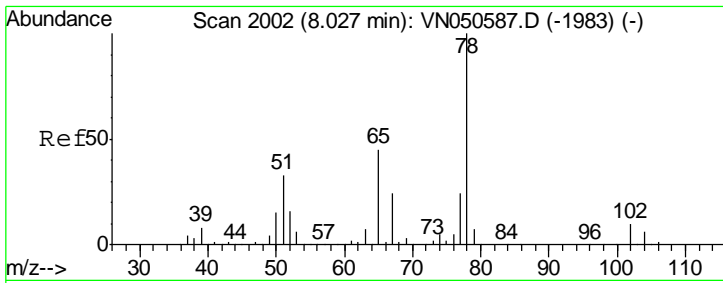
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.2	40.8	61.2



#27
 cis-1,2-Dichloroethene
 Concen: 6.75 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050647.D
 Acq: 15 Aug 2018 11:56

Tgt Ion	Resp	Lower	Upper
96	100		
61	126.4	0.0	278.2
98	64.1	0.0	128.8

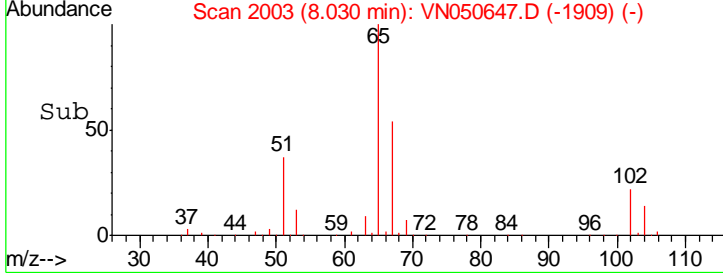
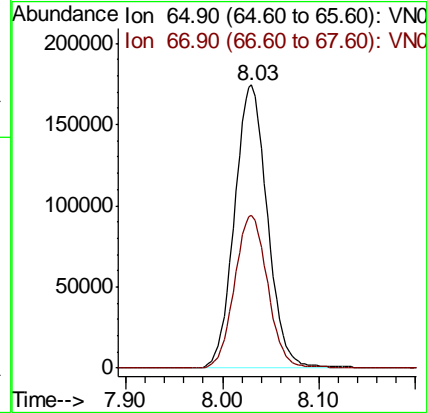
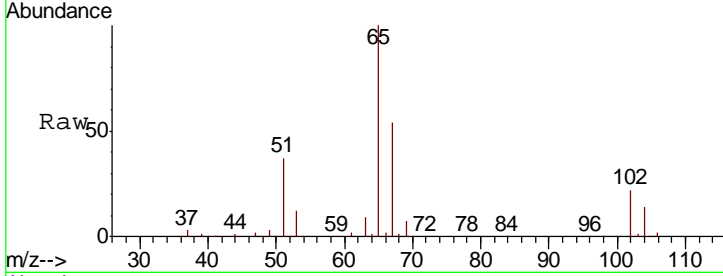




#33
 1,2-Dichloroethane-d4
 Concen: 51.94 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050647.D
 Acq: 15 Aug 2018 11:56

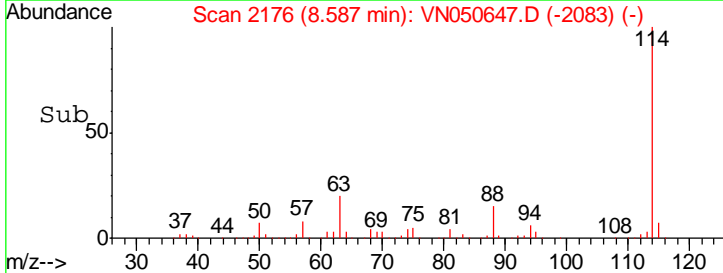
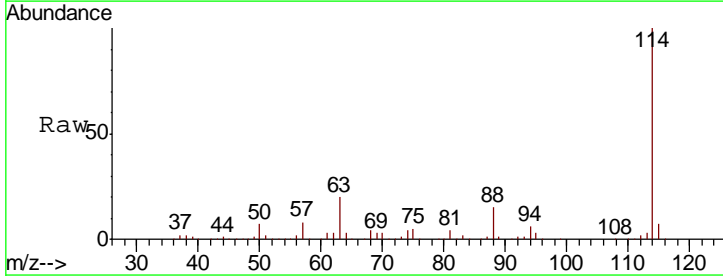
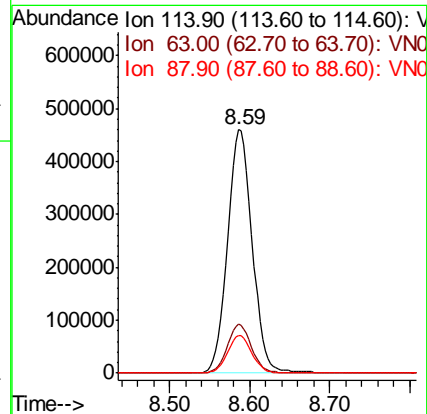
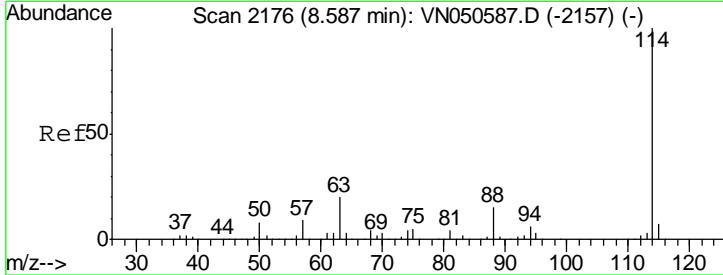
Instrument : MSVOA_N
 ClientSampleId : 942-MW-03A(17)DL

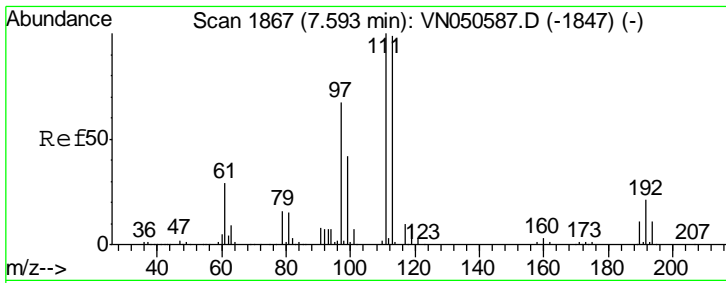
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.4	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050647.D
 Acq: 15 Aug 2018 11:56

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	15.5	0.0	30.8

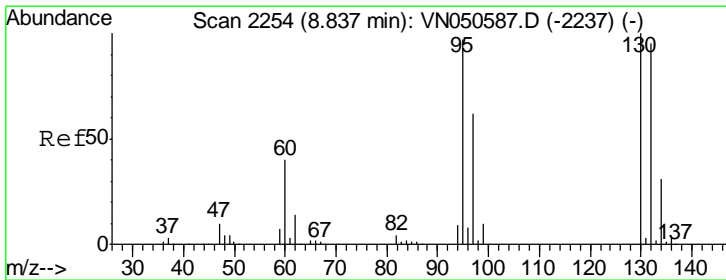
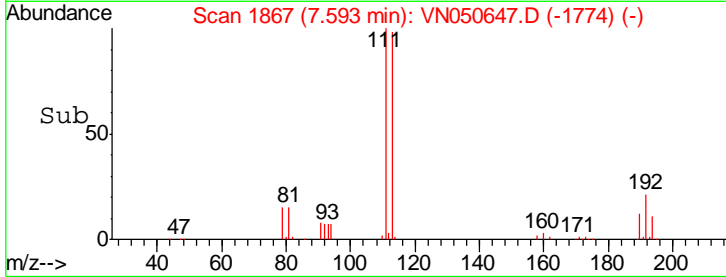
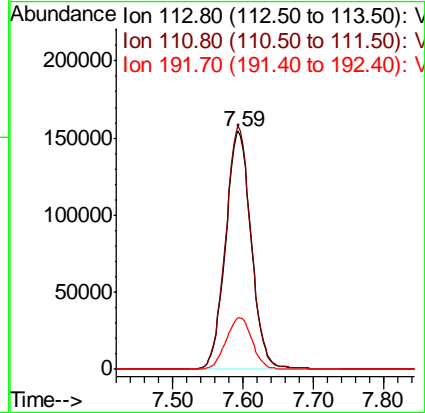
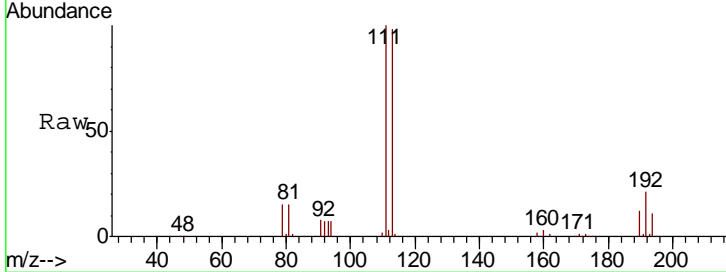




#35
 Dibromofluoromethane
 Concen: 50.40 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050647.D
 Acq: 15 Aug 2018 11:56

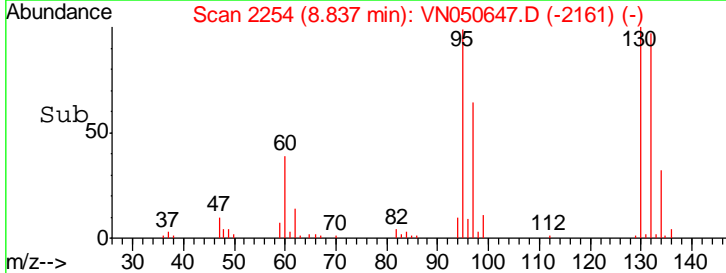
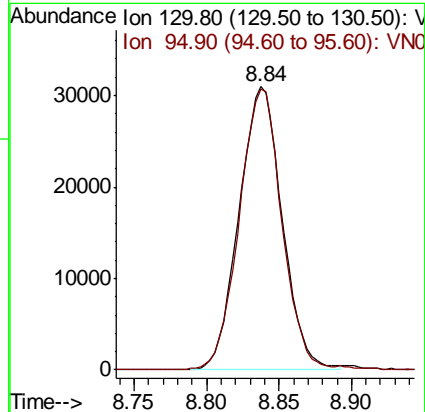
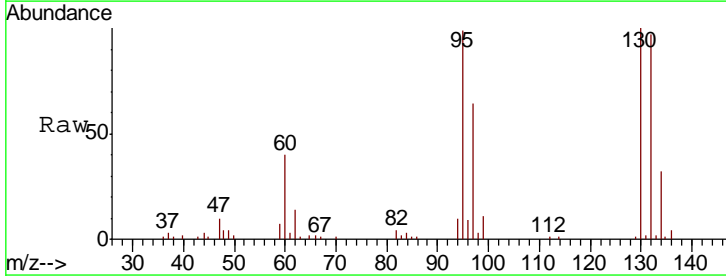
Instrument : MSVOA_N
 ClientSampled : 942-MW-03A(17)DL

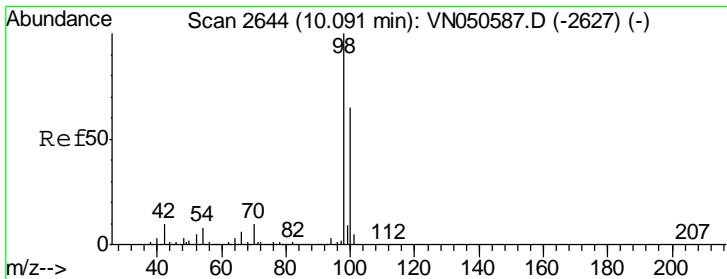
Tgt Ion	Resp	Lower	Upper
113	100		
111	101.4	81.0	121.6
192	22.2	17.6	26.4



#44
 Trichloroethene
 Concen: 7.24 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050647.D
 Acq: 15 Aug 2018 11:56

Tgt Ion	Resp	Lower	Upper
130	100		
95	98.5	0.0	193.8

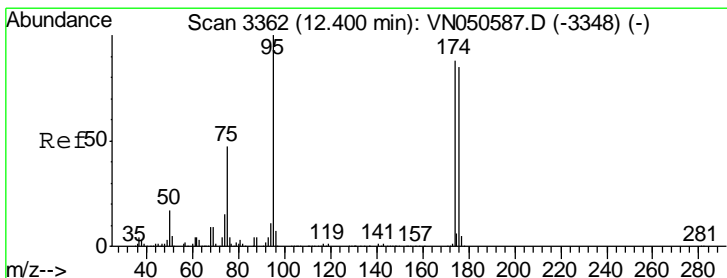
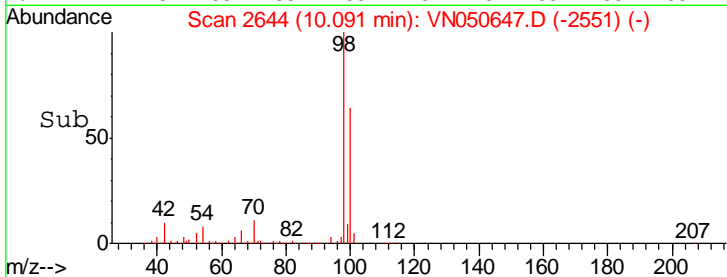
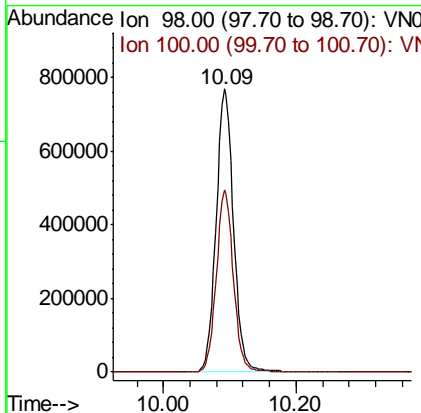
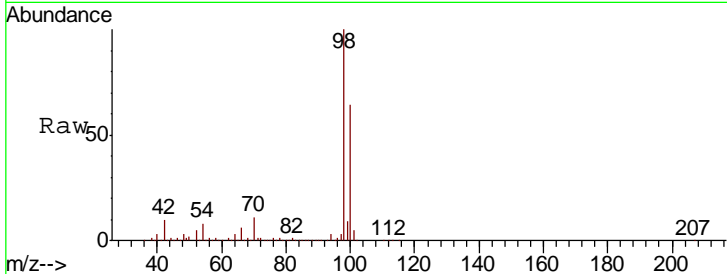




#50
 Toluene-d8
 Concen: 47.76 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050647.D
 Acq: 15 Aug 2018 11:56

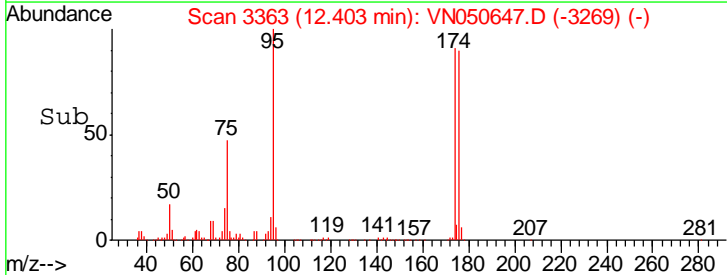
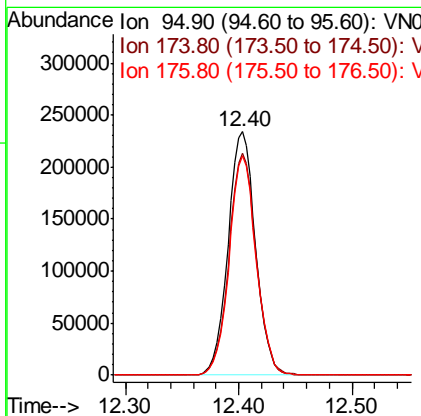
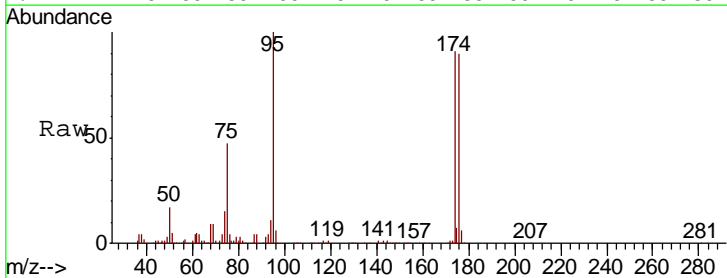
Instrument :
 MSVOA_N
 ClientSampled :
 942-MW-03A(17)DL

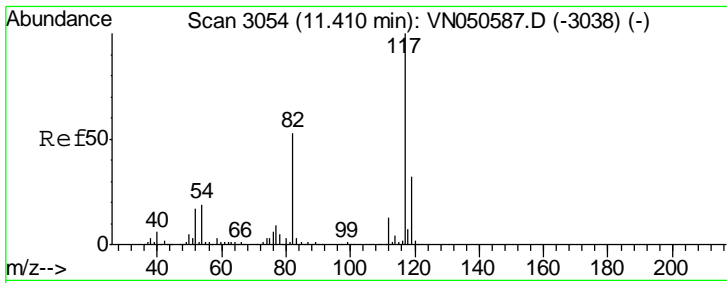
Tgt Ion	Resp	Lower	Upper
98	1398892		
98	100		
100	63.3	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 40.68 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050647.D
 Acq: 15 Aug 2018 11:56

Tgt Ion	Resp	Lower	Upper
95	393637		
95	100		
174	90.8	0.0	177.8
176	88.3	0.0	175.0

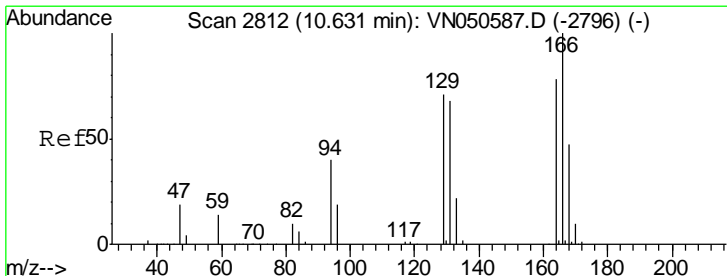
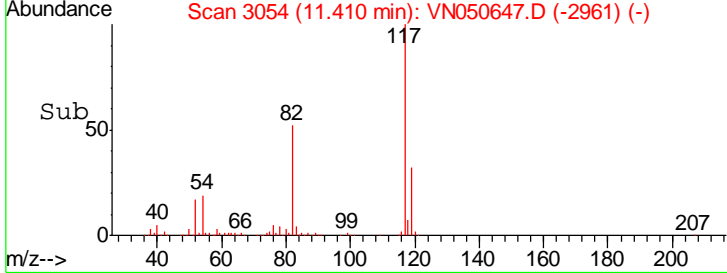
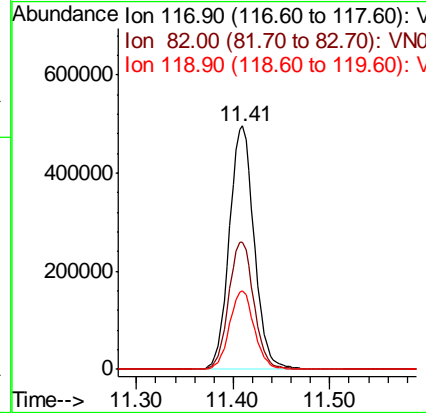
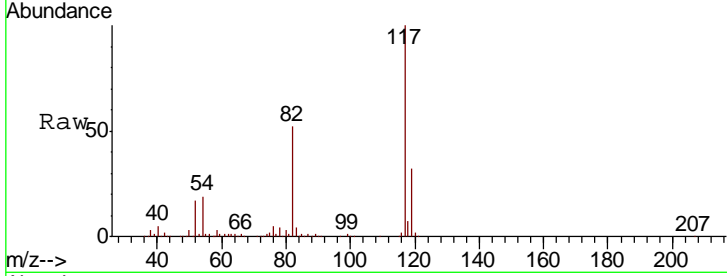




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050647.D
 Acq: 15 Aug 2018 11:56

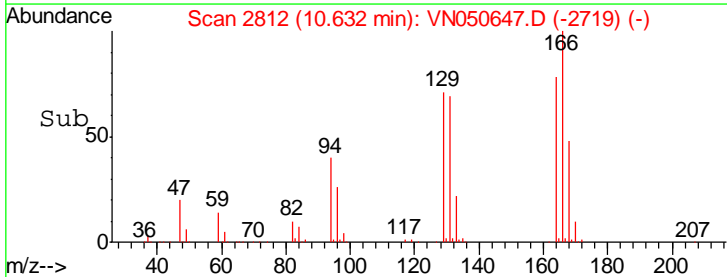
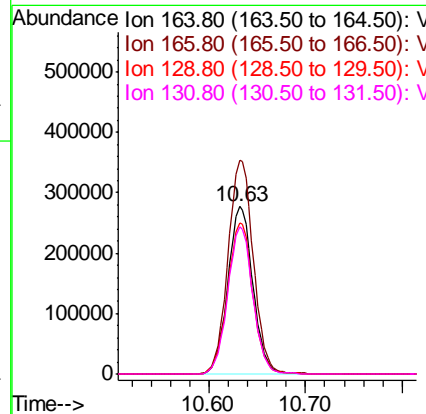
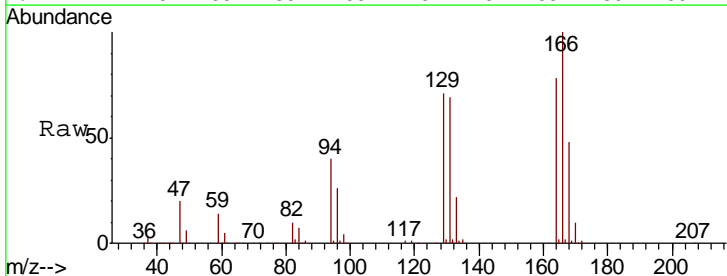
Instrument :
 MSVOA_N
 ClientSampled :
 942-MW-03A(17)DL

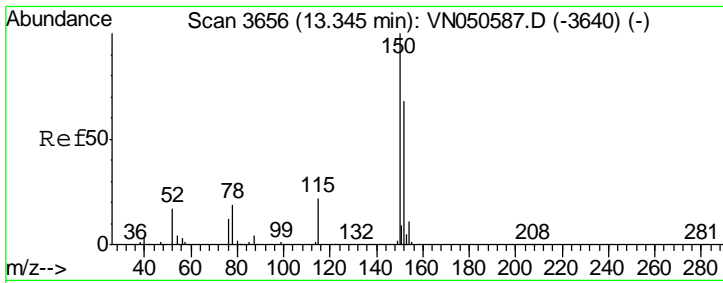
Tgt Ion	Resp	Lower	Upper
117	881701		
82	52.5	42.4	63.6
119	32.3	25.8	38.8



#64
 Tetrachloroethene
 Concen: 60.86 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050647.D
 Acq: 15 Aug 2018 11:56

Tgt Ion	Resp	Lower	Upper
164	498359		
166	127.7	102.1	153.1
129	90.2	72.7	109.1
131	87.8	69.9	104.9

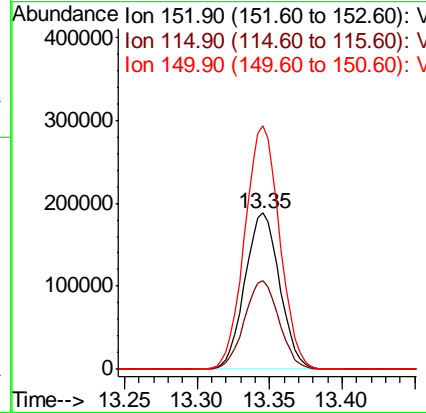
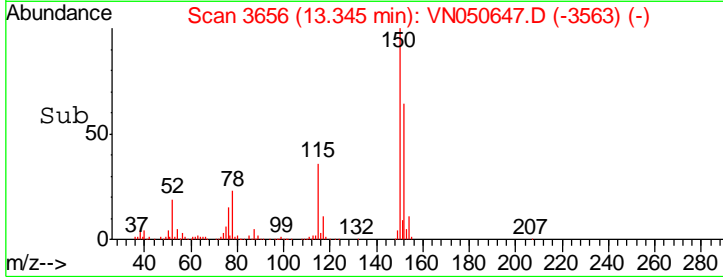
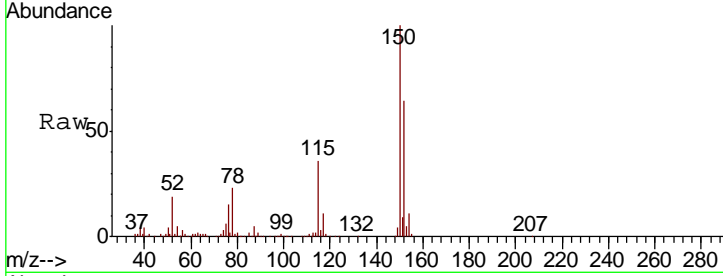




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050647.D
 Acq: 15 Aug 2018 11:56

Instrument : MSVOA_N
 ClientSampleId : 942-MW-03A(17)DL

Tot Ion	Resp	Lower	Upper
152	100		
115	56.3	28.1	84.2
150	155.9	0.0	347.8





284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	943-MW-04(23)	SDG No.:	J4465
Lab Sample ID:	J4465-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050653.D	1		08/15/18 14:24	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	943-MW-04(23)	SDG No.:	J4465
Lab Sample ID:	J4465-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050653.D	1		08/15/18 14:24	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	0.49	J	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.7		61 - 141		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	47.8		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.1		58 - 135		80%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	614072	7.67				
540-36-3	1,4-Difluorobenzene	948885	8.59				
3114-55-4	Chlorobenzene-d5	851637	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	311081	13.35				

**Report of Analysis**

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	943-MW-04(23)	SDG No.:	J4465
Lab Sample ID:	J4465-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050653.D	1		08/15/18 14:24	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050653.D
 Acq On : 15 Aug 2018 14:24
 Operator : MD\SY
 Sample : J4465-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 943-MW-04(23)

Quant Time: Aug 16 13:43:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

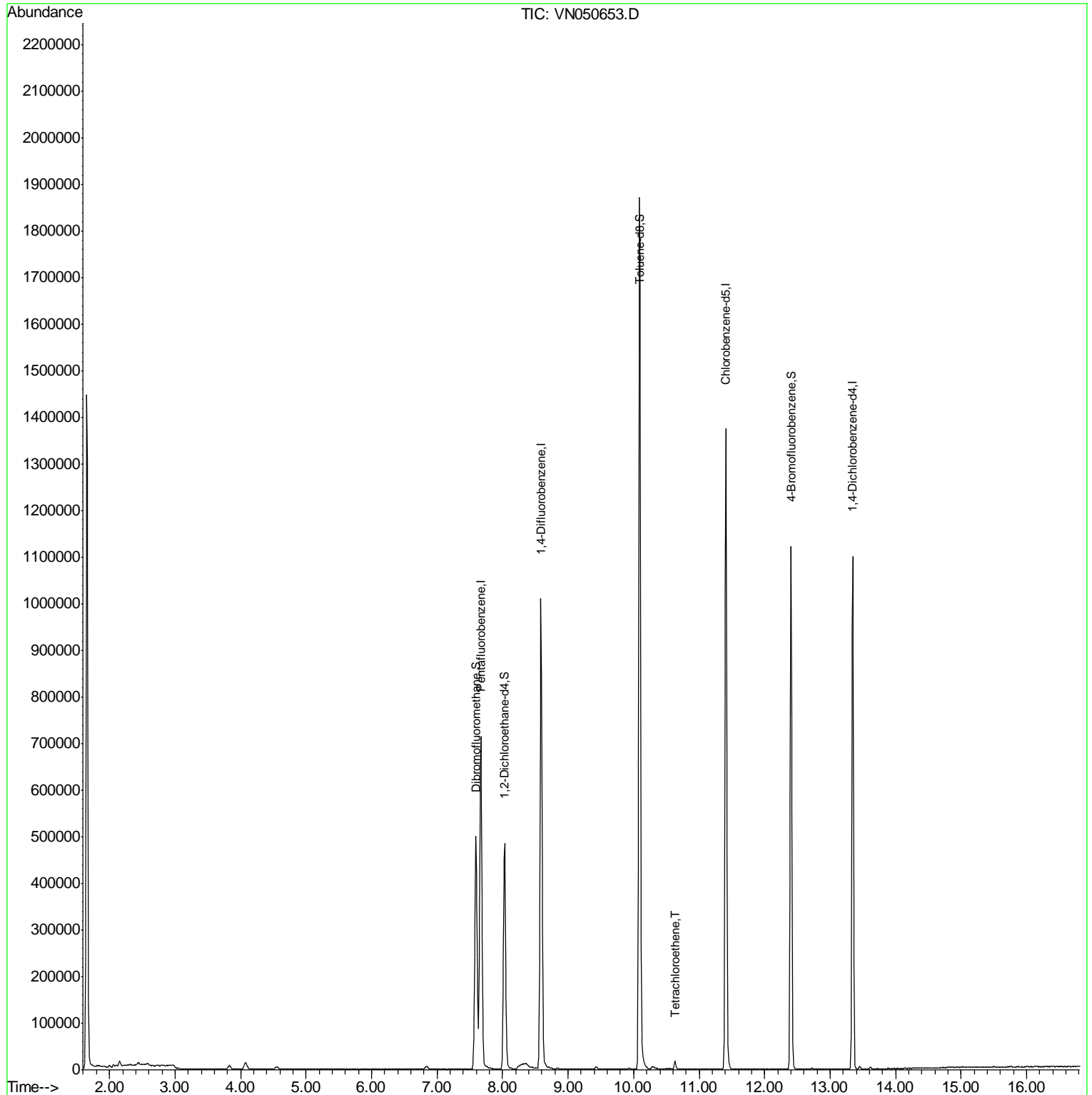
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	614072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	948885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	311081	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	407522	52.65	ug/l	0.00
Spiked Amount						
			Recovery	=		105.30%
35) Dibromofluoromethane	7.59	113	382511	50.49	ug/l	0.00
Spiked Amount						
			Recovery	=		100.98%
50) Toluene-d8	10.09	98	1362460	47.79	ug/l	0.00
Spiked Amount						
			Recovery	=		95.58%
62) 4-Bromofluorobenzene	12.40	95	377861	40.12	ug/l	0.00
Spiked Amount						
			Recovery	=		80.24%
Target Compounds						Qvalue
64) Tetrachloroethene	10.63	164	3893	0.49	ug/l	93

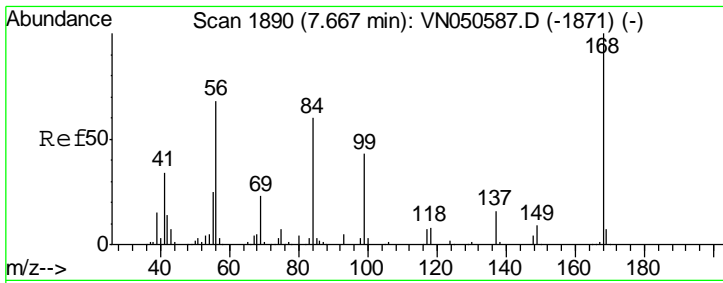
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050653.D
Acq On : 15 Aug 2018 14:24
Operator : MD\SY
Sample : J4465-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
943-MW-04(23)

Quant Time: Aug 16 13:43:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

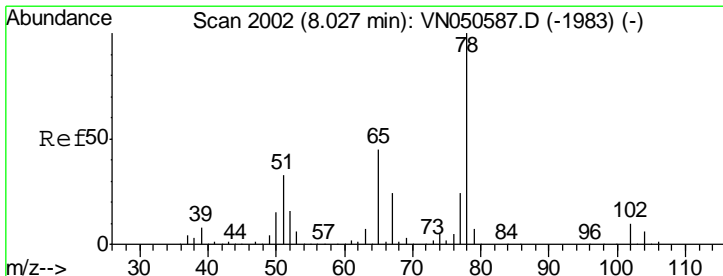
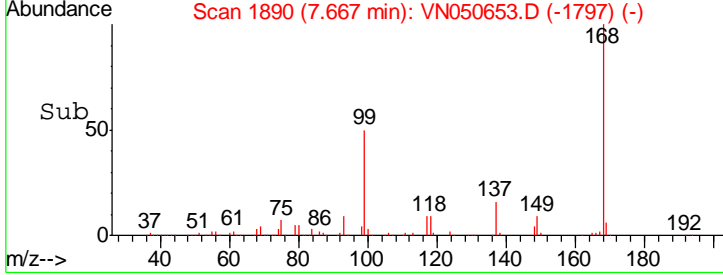
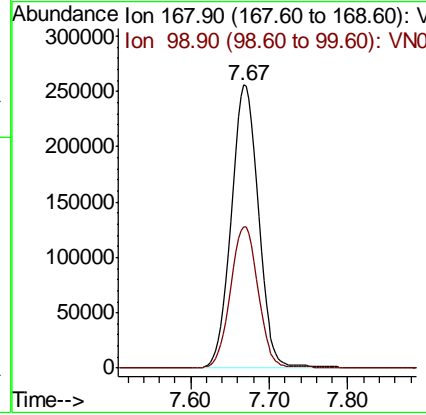
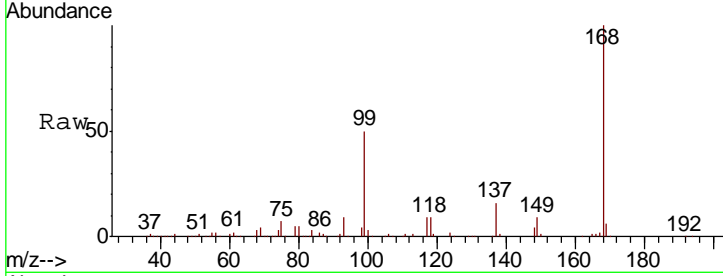




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050653.D
 Acq: 15 Aug 2018 14:24

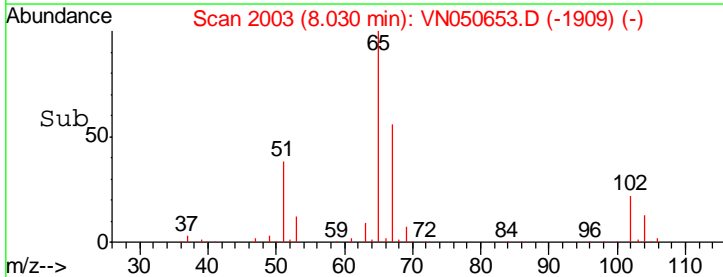
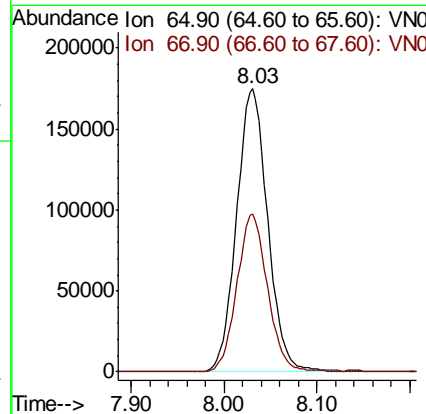
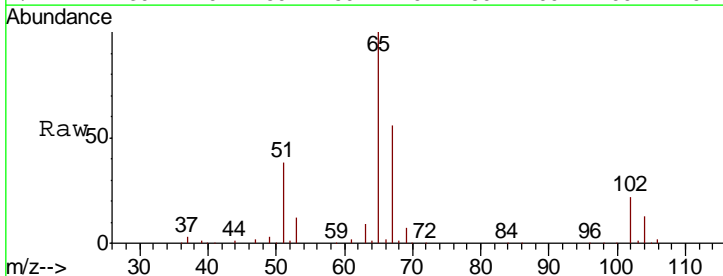
Instrument : MSVOA_N
 ClientSampleId : 943-MW-04(23)

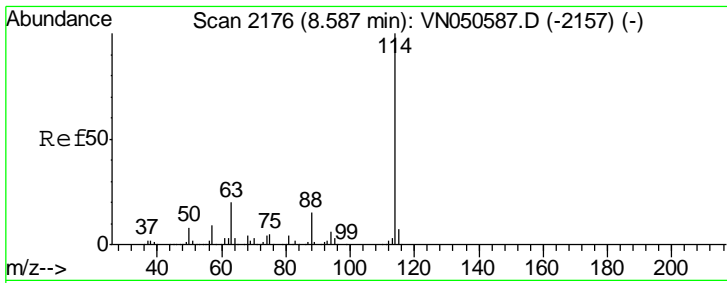
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.1	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 52.65 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050653.D
 Acq: 15 Aug 2018 14:24

Tgt Ion	Resp	Lower	Upper
65	100		
67	55.0	0.0	109.8

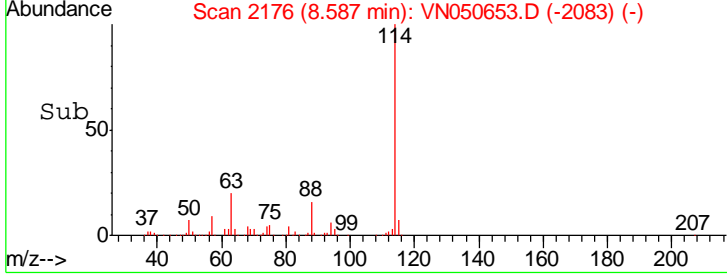
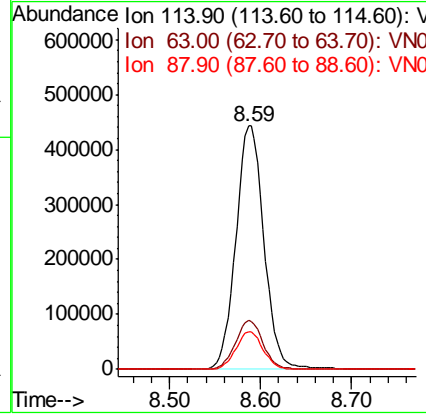
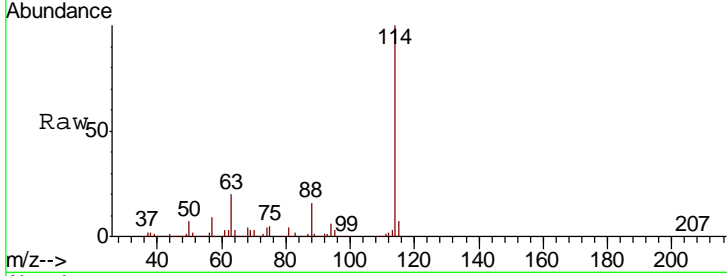




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050653.D
 Acq: 15 Aug 2018 14:24

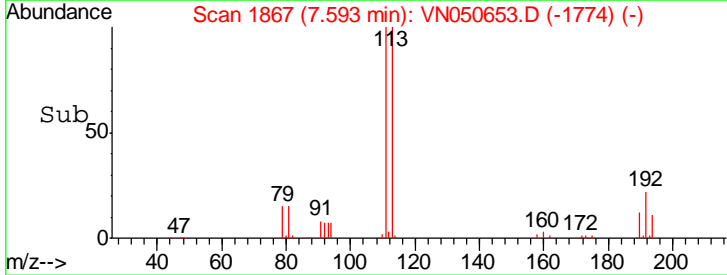
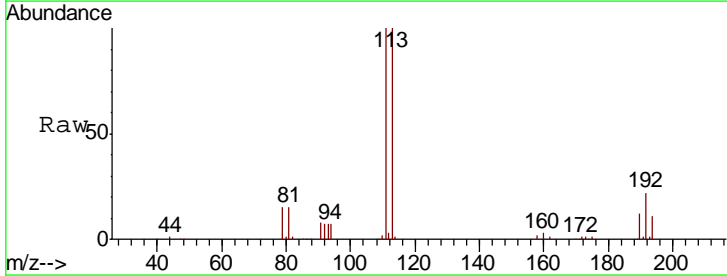
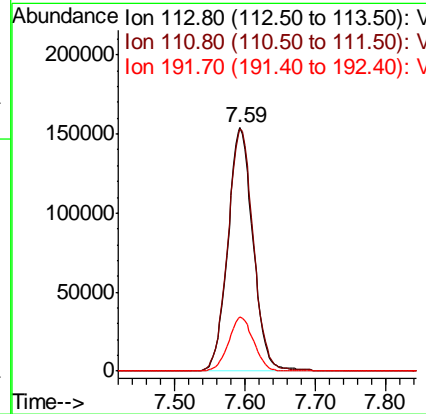
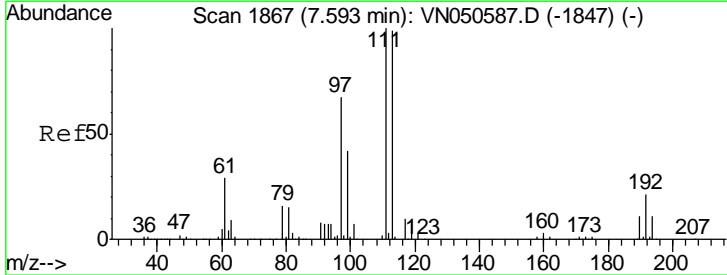
Instrument :
 MSVOA_N
 ClientSampleId :
 943-MW-04(23)

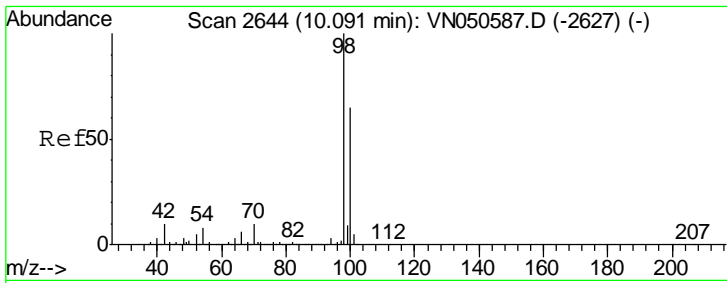
Tgt Ion	Resp	Lower	Upper
114	948885		
63	20.1	0.0	40.0
88	15.5	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 50.49 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050653.D
 Acq: 15 Aug 2018 14:24

Tgt Ion	Resp	Lower	Upper
113	382511		
111	101.3	81.0	121.6
192	22.2	17.6	26.4



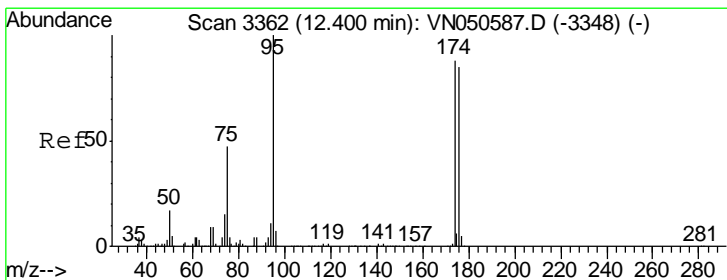
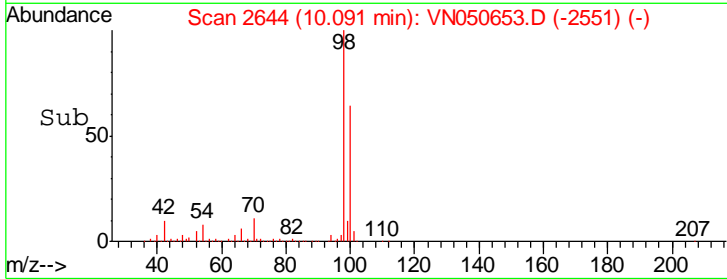
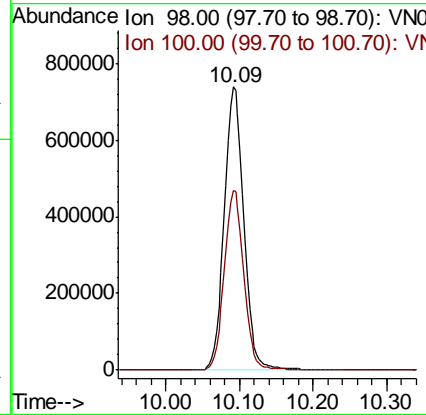
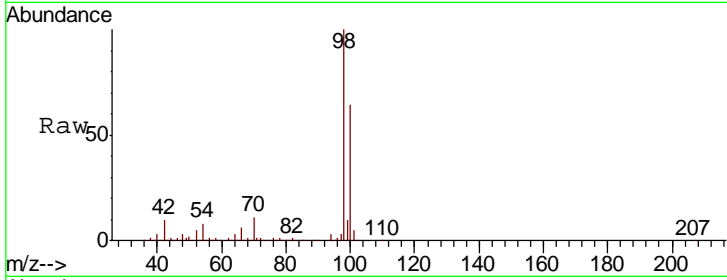


#50
 Toluene-d8
 Concen: 47.79 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050653.D
 Acq: 15 Aug 2018 14:24

Instrument : MSVOA_N
 ClientSampled : 943-MW-04(23)

Tgt Ion: 98 Resp: 1362460

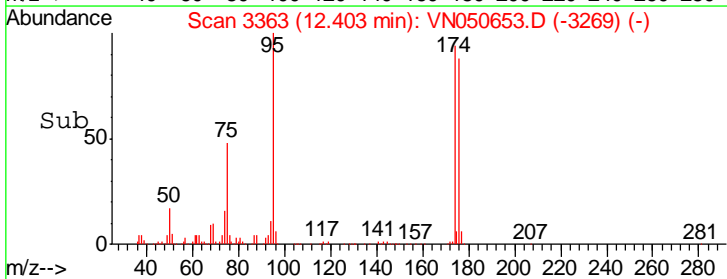
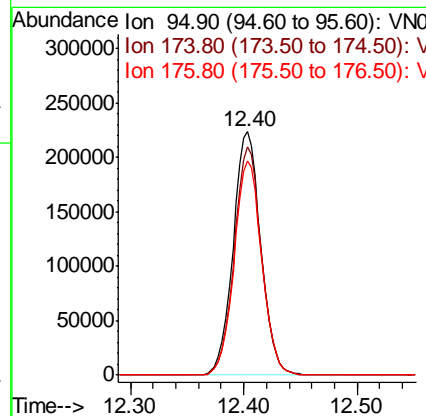
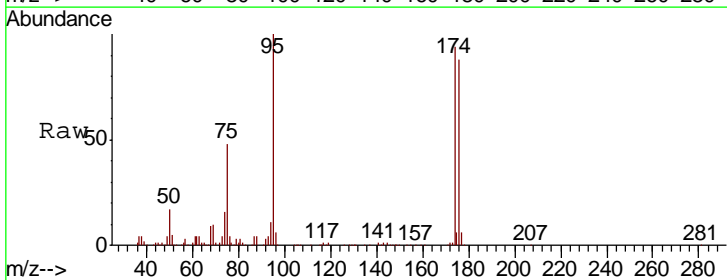
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.8	77.8

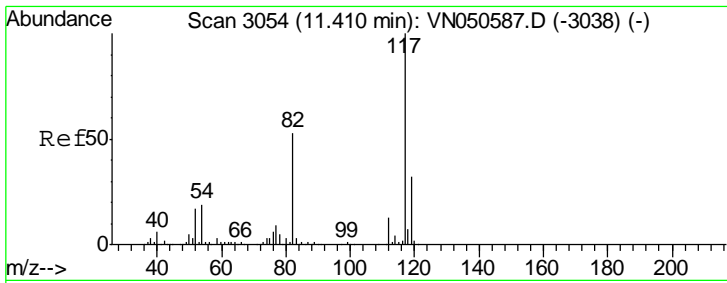


#62
 4-Bromofluorobenzene
 Concen: 40.12 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050653.D
 Acq: 15 Aug 2018 14:24

Tgt Ion: 95 Resp: 377861

Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	177.8
176	88.3	0.0	175.0

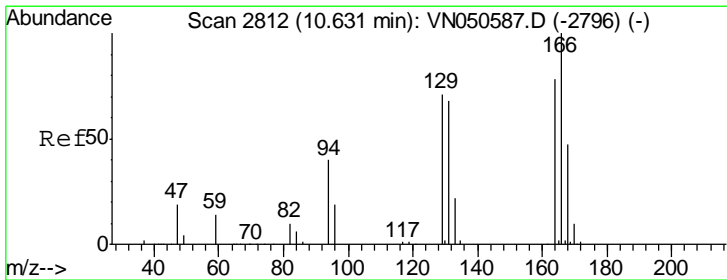
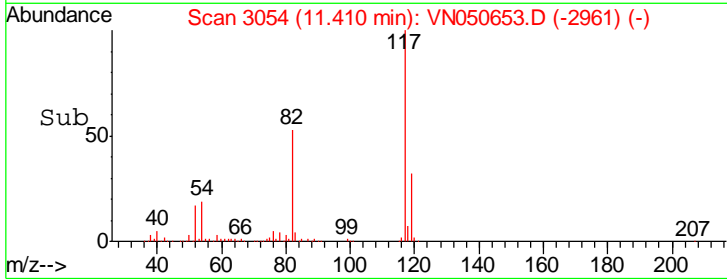
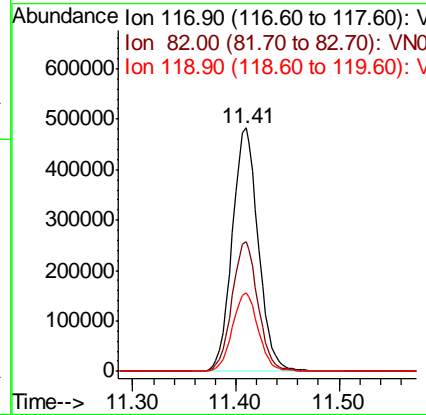
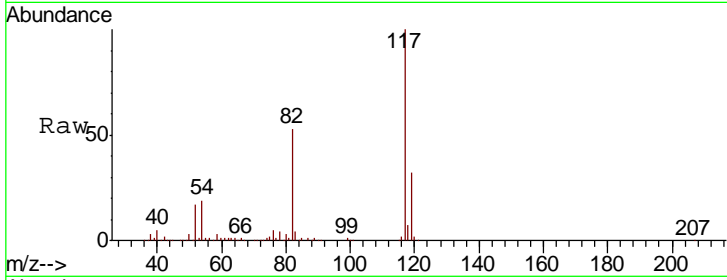




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050653.D
 Acq: 15 Aug 2018 14:24

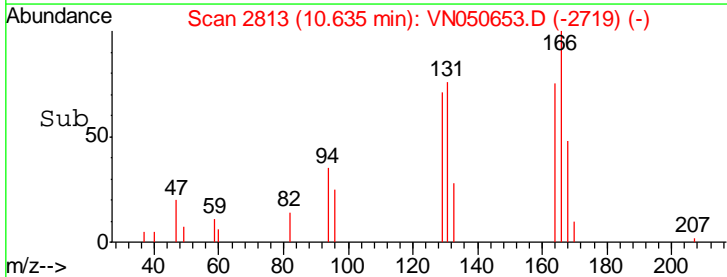
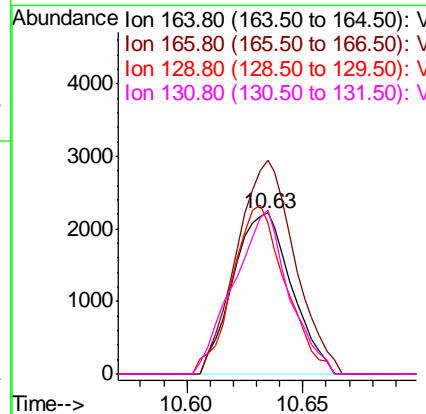
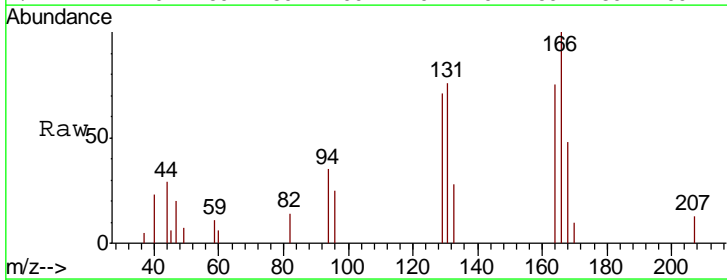
Instrument : MSVOA_N
 ClientSampleId : 943-MW-04(23)

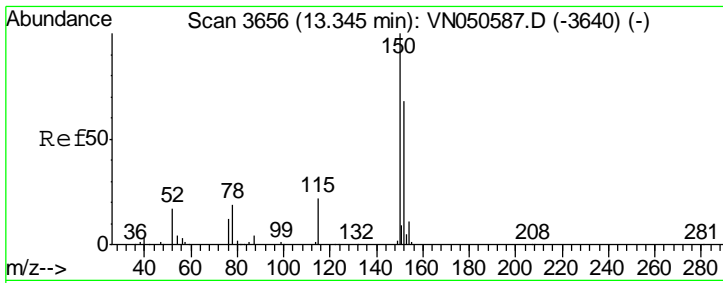
Tgt Ion	Resp	Lower	Upper
117	851637		
82	53.3	42.4	63.6
119	32.2	25.8	38.8



#64
 Tetrachloroethene
 Concen: 0.49 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN050653.D
 Acq: 15 Aug 2018 14:24

Tgt Ion	Resp	Lower	Upper
164	3893		
166	132.6	102.1	153.1
129	93.7	72.7	109.1
131	101.4	69.9	104.9

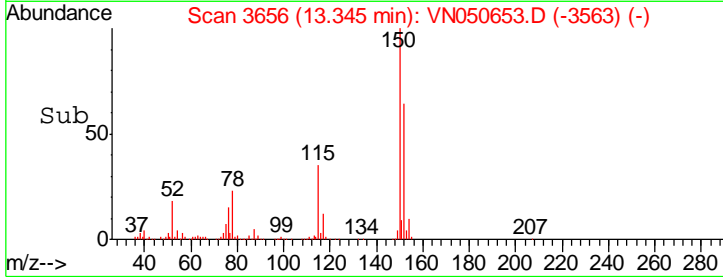
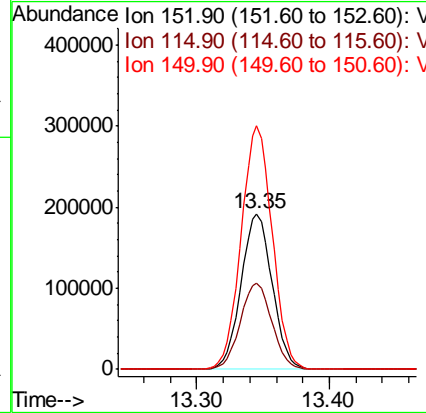
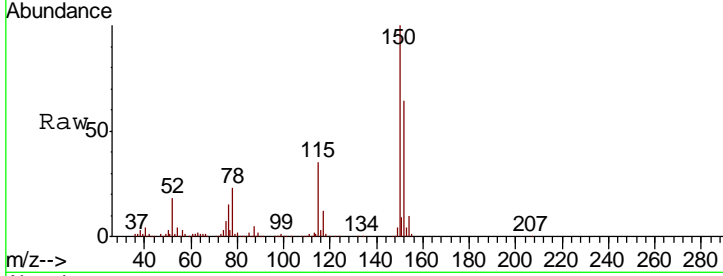




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050653.D
 Acq: 15 Aug 2018 14:24

Instrument : MSVOA_N
 ClientSampleId : 943-MW-04(23)

Tot Ion	Resp	Lower	Upper
152	100		
115	56.2	28.1	84.2
150	157.0	0.0	347.8



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050653.D
 Acq On : 15 Aug 2018 14:24
 Operator : MD\SY
 Sample : J4465-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 943-MW-04(23)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.654	3	20	41	rBV	1446266	2395833	68.86%	13.144%
2	4.072	758	772	793	rBV	14524	42344	1.22%	0.232%
3	7.593	1847	1867	1878	rBV	500736	1227659	35.29%	6.735%
4	7.667	1878	1890	1909	rVB	708085	1684125	48.41%	9.240%
5	8.030	1985	2003	2033	rBV	485469	1131636	32.53%	6.209%
6	8.587	2158	2176	2208	rBV	1008305	2145447	61.67%	11.771%
7	10.091	2626	2644	2675	rBV	1870901	3479096	100.00%	19.088%
8	11.410	3038	3054	3080	rBV	1374605	2428525	69.80%	13.324%
9	12.403	3348	3363	3385	rBV	1122092	1891075	54.36%	10.375%
10	13.345	3642	3656	3676	rBV	1100329	1801291	51.77%	9.883%

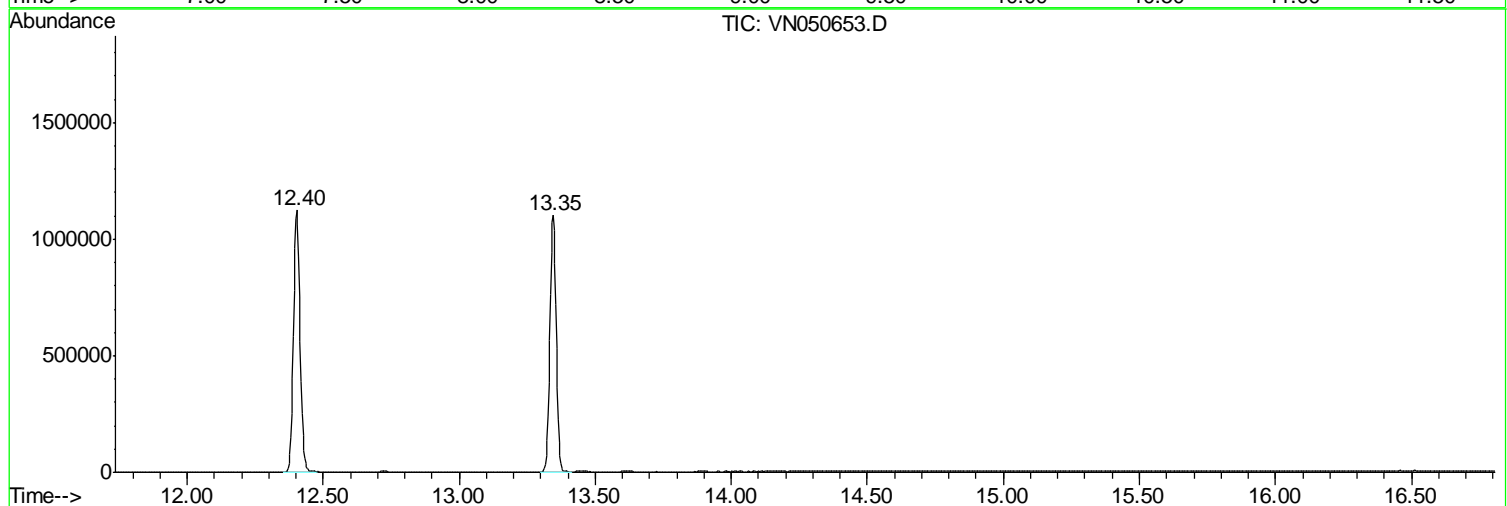
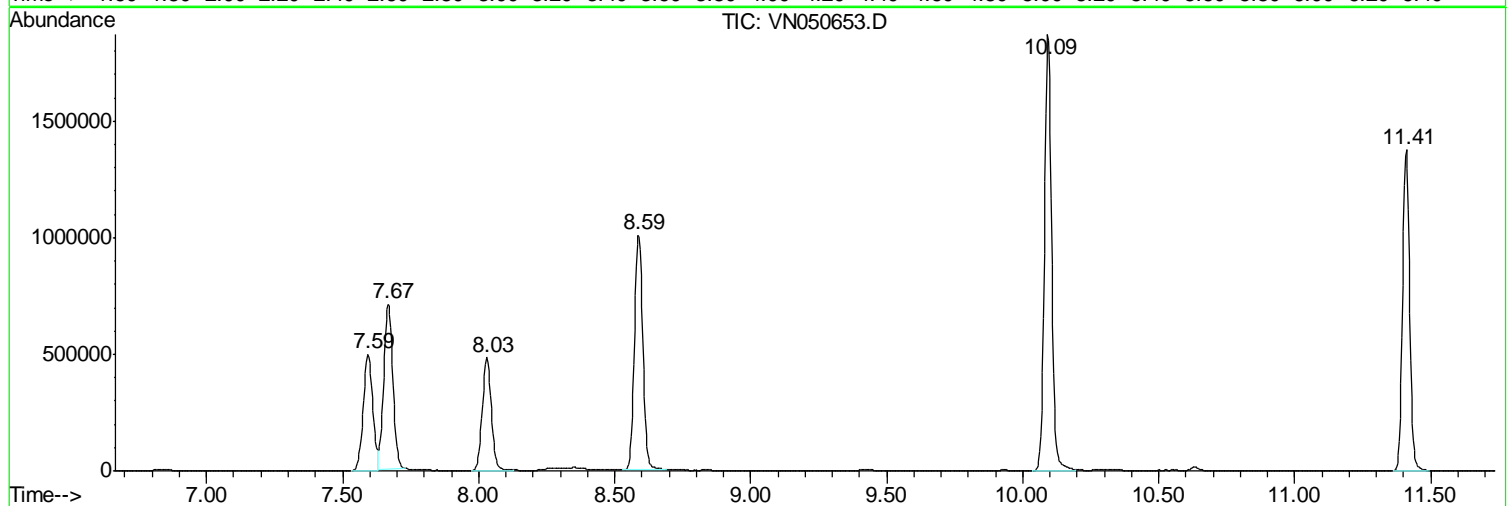
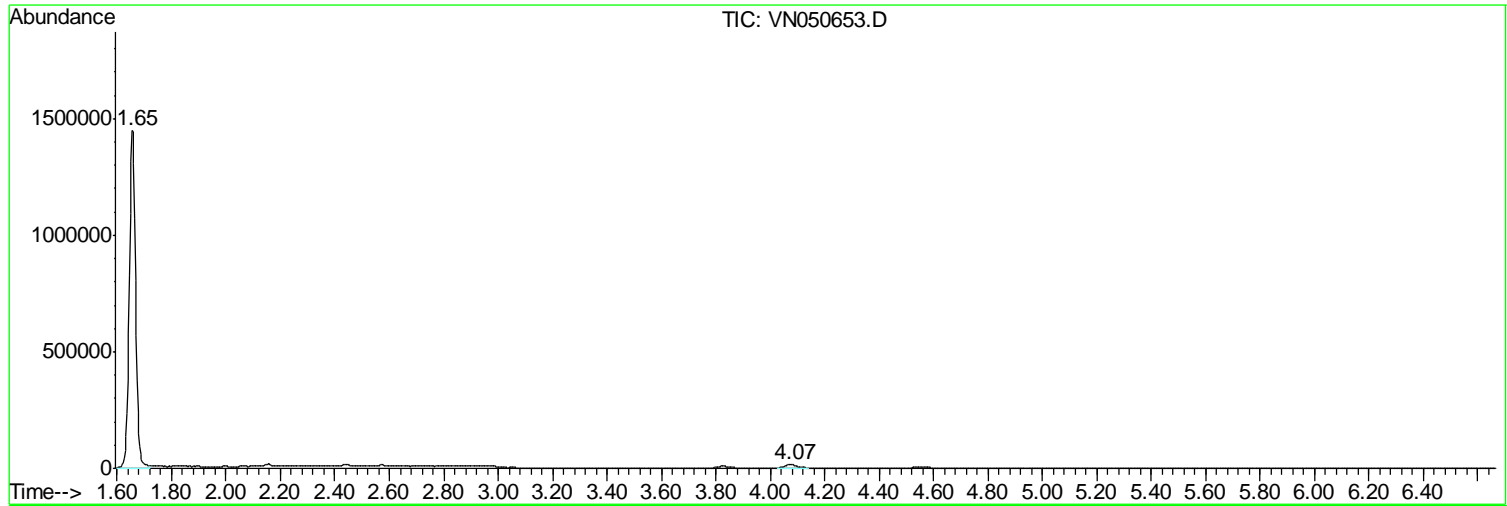
Sum of corrected areas: 18227031

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050653.D
Acq On : 15 Aug 2018 14:24
Operator : MD\SY
Sample : J4465-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
943-MW-04(23)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
Data File : VN050653.D
Acq On : 15 Aug 2018 14:24
Operator : MD\SY
Sample : J4465-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
943-MW-04(23)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
 Data File : VN050653.D
 Acq On : 15 Aug 2018 14:24
 Operator : MD\SY
 Sample : J4465-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 943-MW-04(23)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	944-MW-05(17)	SDG No.:	J4465
Lab Sample ID:	J4465-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050615.D	1		08/14/18 20:32	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	2.6	J	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.72	J	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	944-MW-05(17)	SDG No.:	J4465
Lab Sample ID:	J4465-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050615.D	1		08/14/18 20:32	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	42.2		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.3		61 - 141		107%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		69 - 133		98%	SPK: 50
2037-26-5	Toluene-d8	46.8		65 - 126		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.7		58 - 135		77%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	680263	7.67				
540-36-3	1,4-Difluorobenzene	1090970	8.59				
3114-55-4	Chlorobenzene-d5	944079	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	344865	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	944-MW-05(17)	SDG No.:	J4465
Lab Sample ID:	J4465-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050615.D	1		08/14/18 20:32	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050615.D
 Acq On : 14 Aug 2018 20:32
 Operator : MD\SY
 Sample : J4465-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)

Quant Time: Aug 15 13:37:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

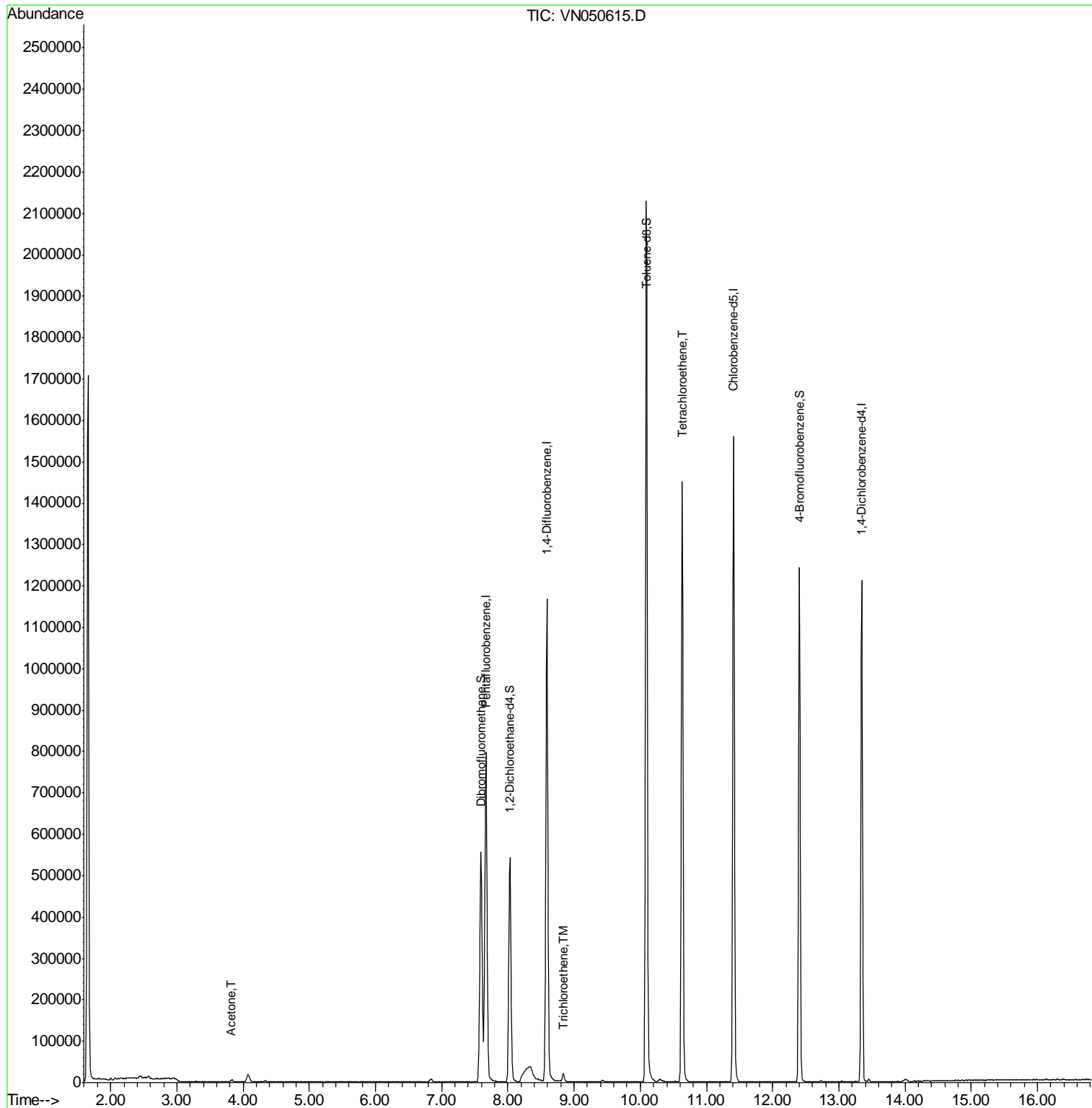
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	680263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1090966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	944079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	344865	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	457048	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
35) Dibromofluoromethane	7.59	113	426082	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	10.09	98	1534498	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
62) 4-Bromofluorobenzene	12.40	95	419345	38.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.44%	
Target Compounds						
16) Acetone	3.82	43	8599	2.58	ug/l	91
44) Trichloroethene	8.84	130	7105	0.72	ug/l	94
64) Tetrachloroethene	10.63	164	369866	42.19	ug/l	99

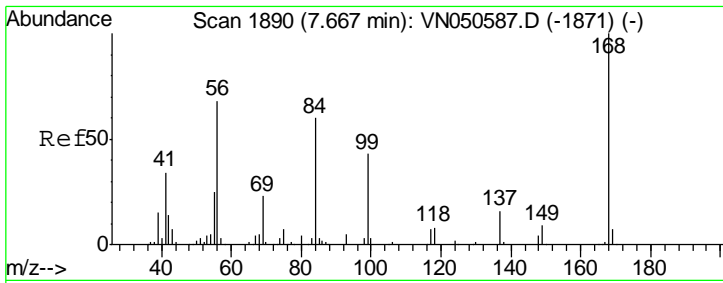
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050615.D
Acq On : 14 Aug 2018 20:32
Operator : MD\SY
Sample : J4465-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)

Quant Time: Aug 15 13:37:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

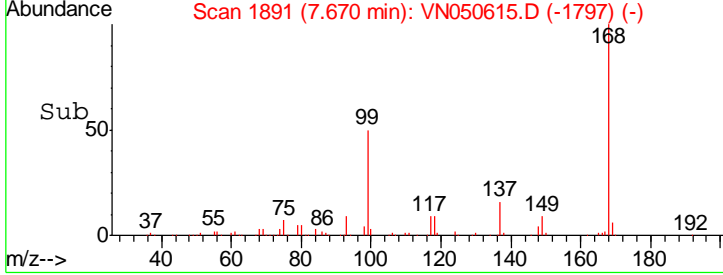
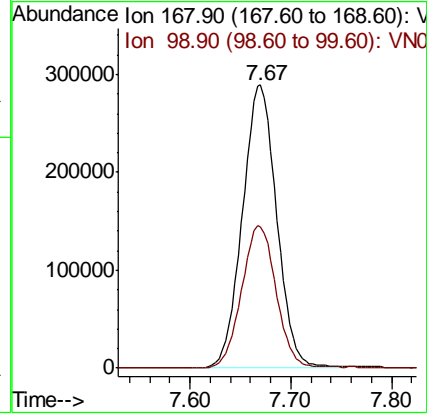
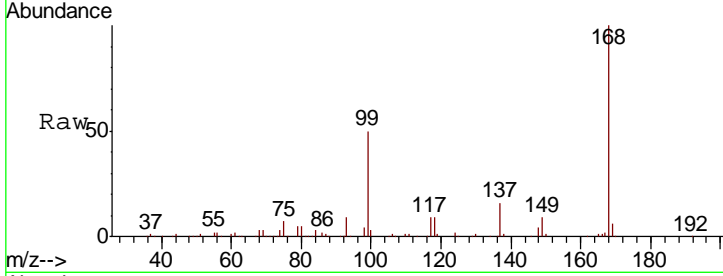




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

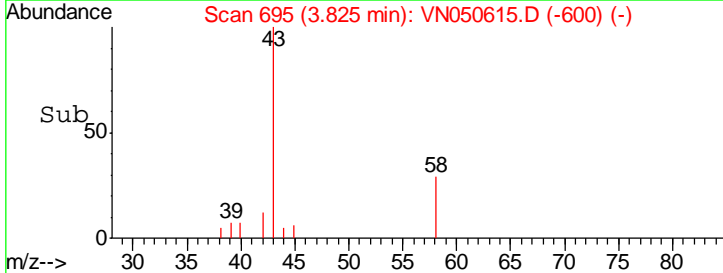
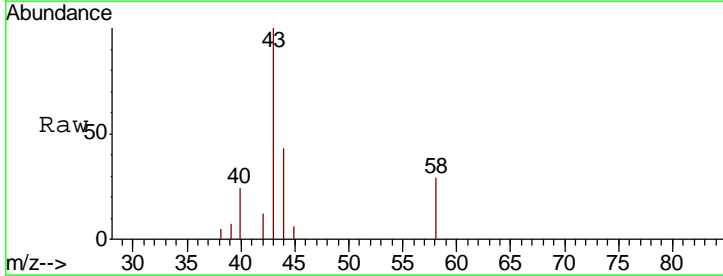
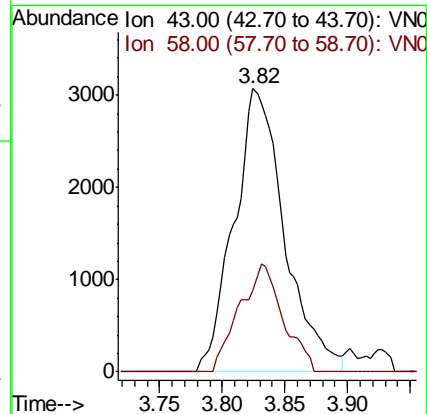
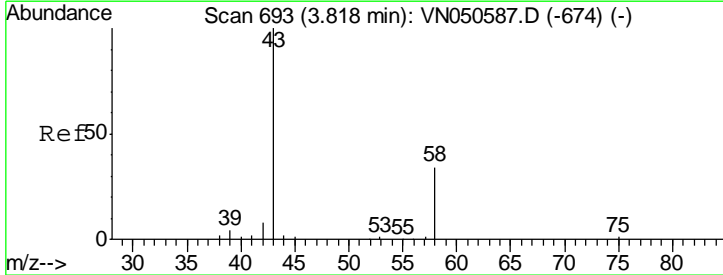
Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)

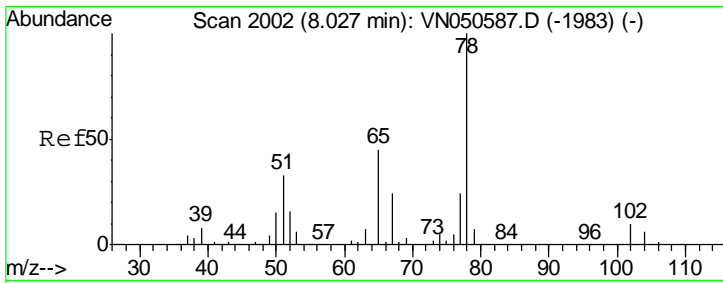
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.8	40.8	61.2



#16
 Acetone
 Concen: 2.58 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Resp	Lower	Upper
43	100		
58	28.6	27.1	40.7

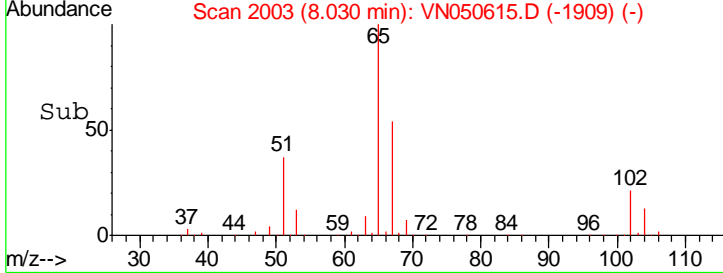
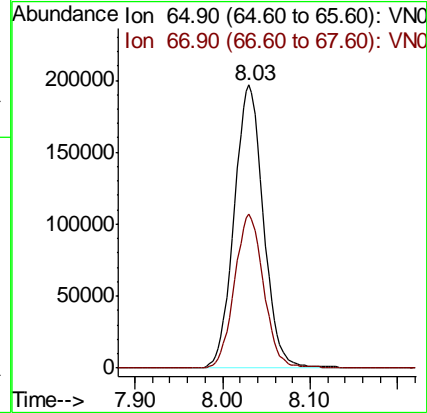
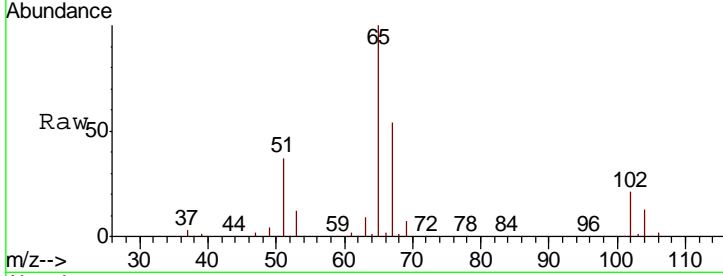




#33
 1,2-Dichloroethane-d4
 Concen: 53.30 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

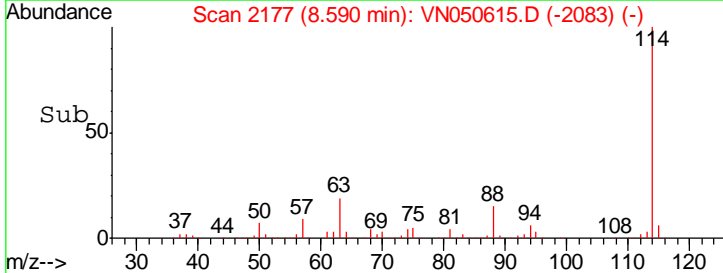
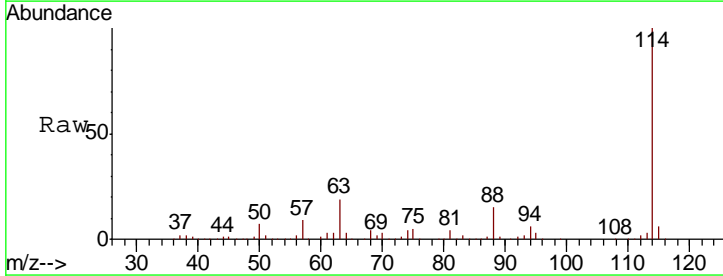
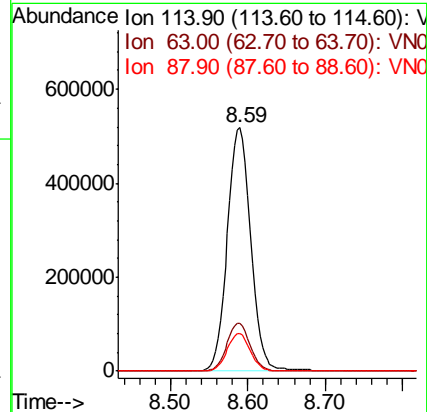
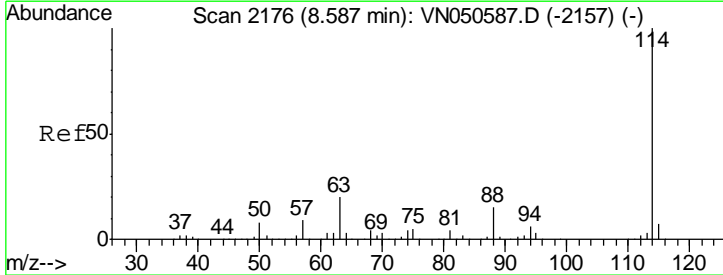
Instrument : MSVOA_N
 ClientSampleId : 944-MW-05(17)

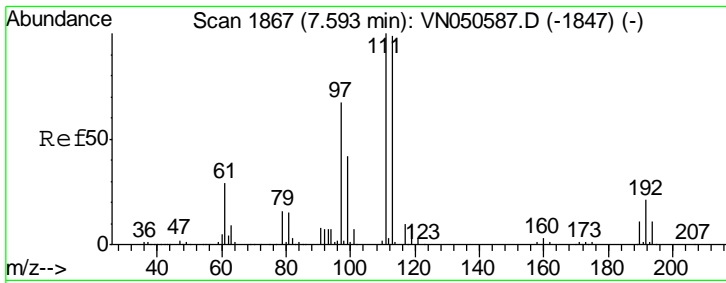
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.2	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.4	0.0	40.0
88	15.4	0.0	30.8

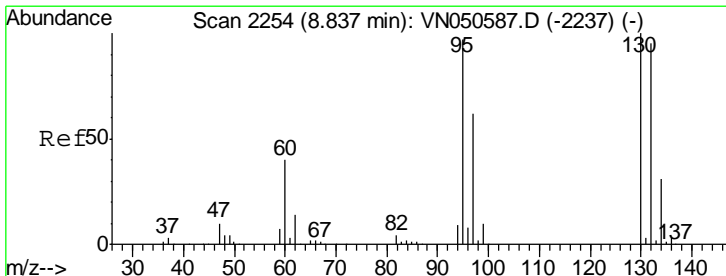
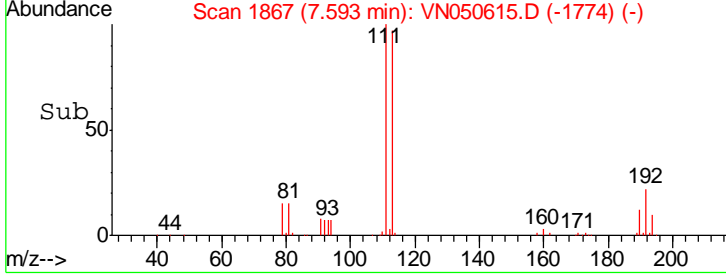
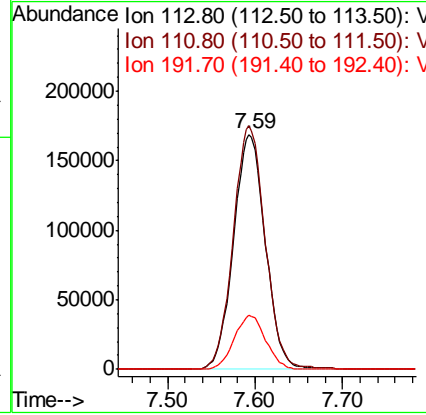
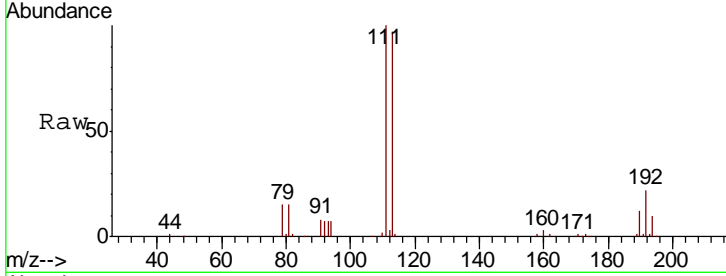




#35
 Dibromofluoromethane
 Concen: 48.92 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

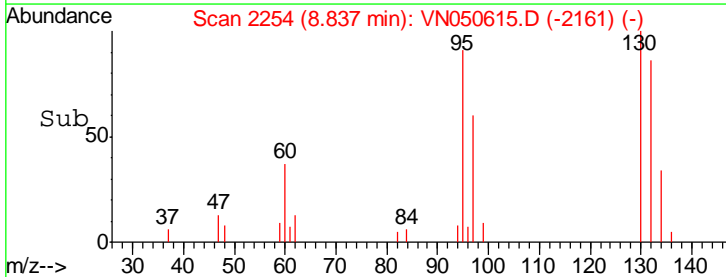
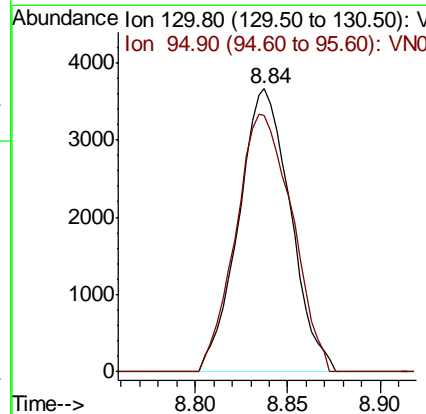
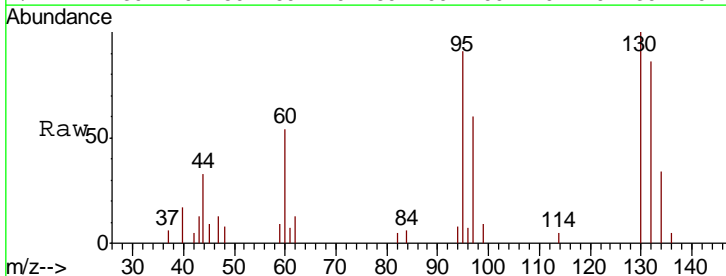
Instrument : MSVOA_N
 ClientSampleId : 944-MW-05(17)

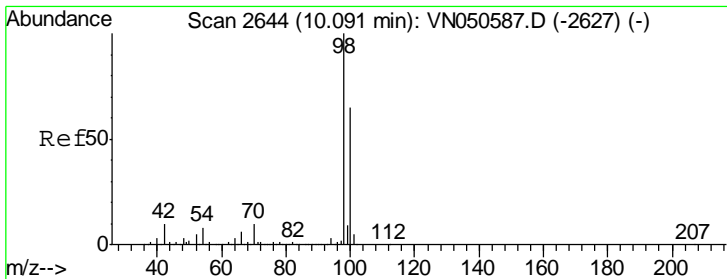
Tgt Ion	Resp	Lower	Upper
113	100		
111	104.2	81.0	121.6
192	22.8	17.6	26.4



#44
 Trichloroethene
 Concen: 0.72 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Resp	Lower	Upper
130	100		
95	90.7	0.0	193.8

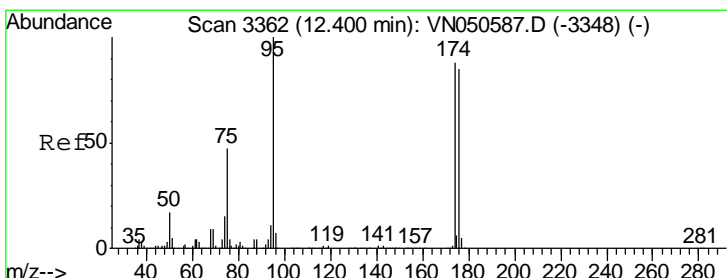
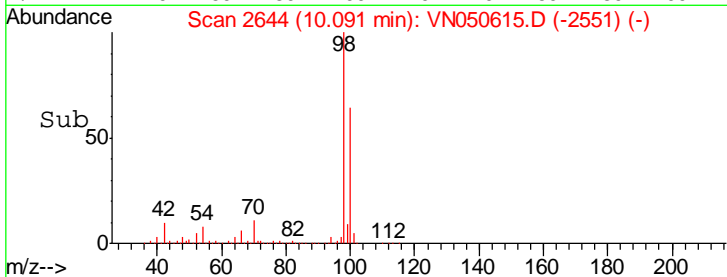
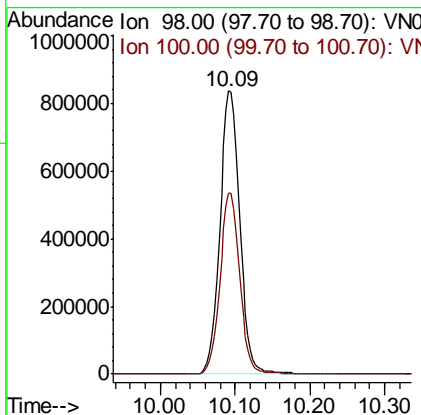
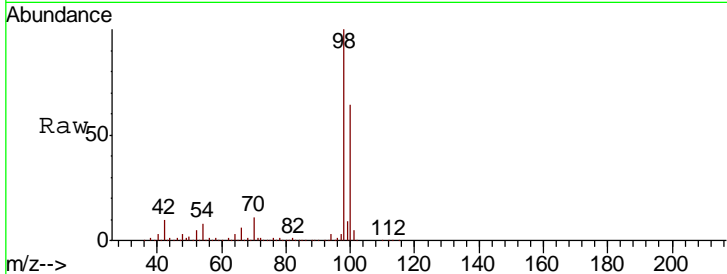




#50
 Toluene-d8
 Concen: 46.81 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

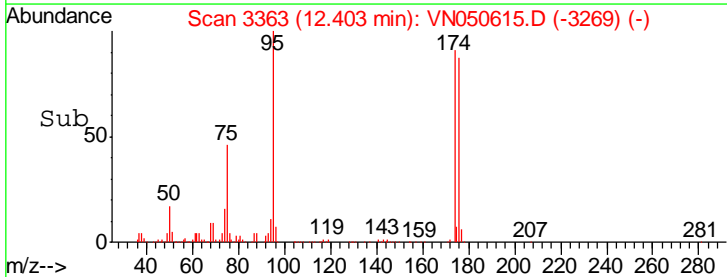
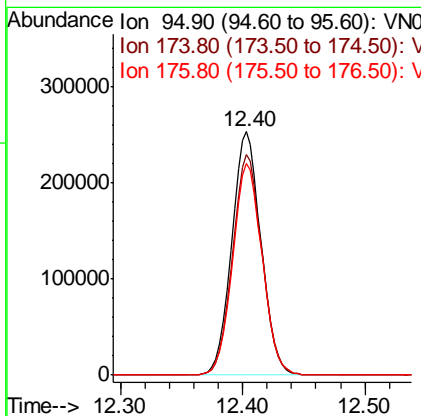
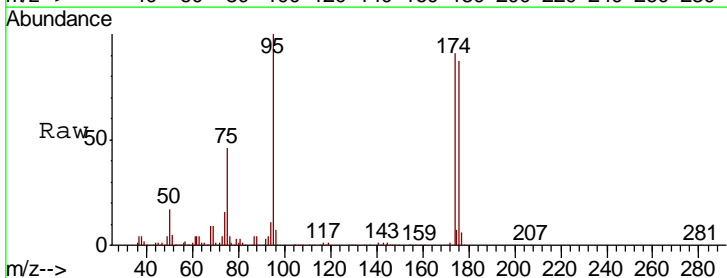
Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)

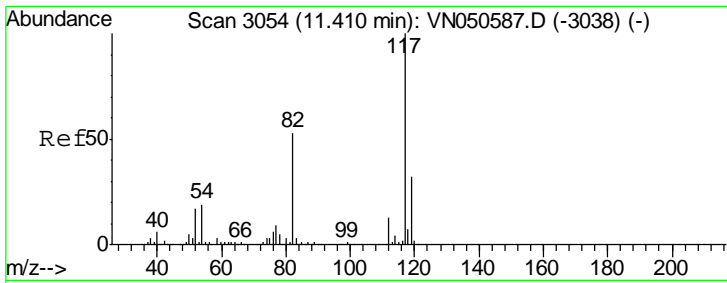
Tgt Ion	Resp	Lower	Upper
98	1534498		
98	100		
100	63.4	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 38.72 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Resp	Lower	Upper
95	419345		
95	100		
174	91.4	0.0	177.8
176	88.0	0.0	175.0

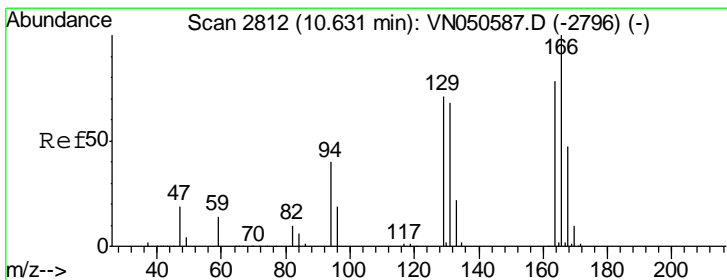
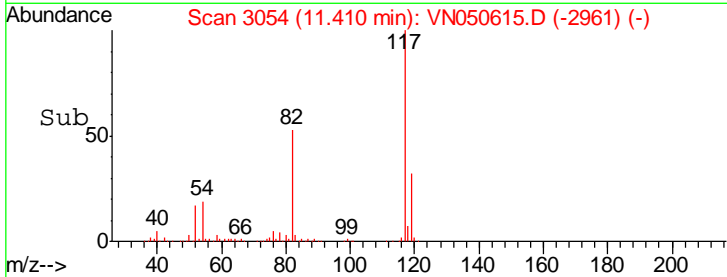
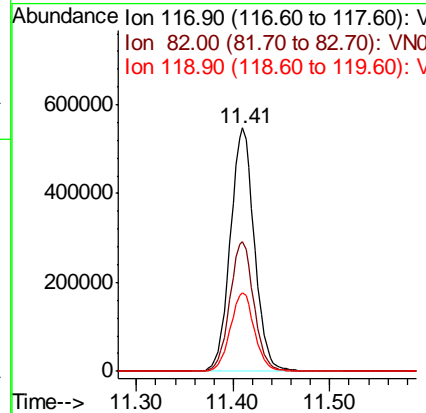
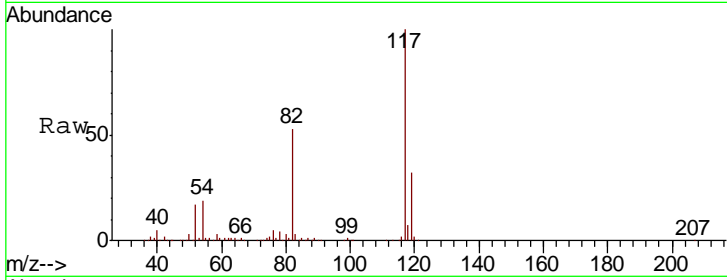




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

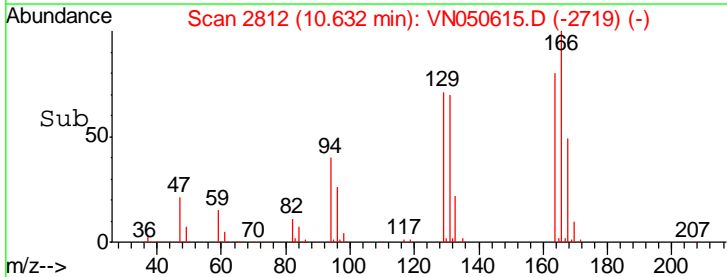
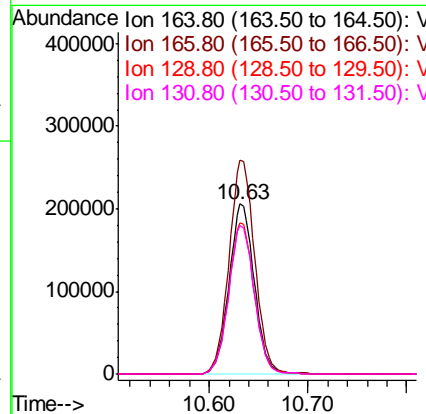
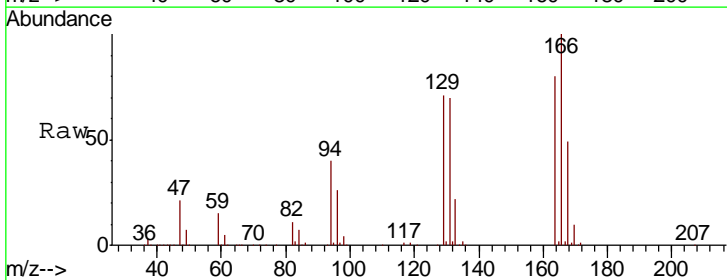
Instrument : MSVOA_N
 ClientSampleId : 944-MW-05(17)

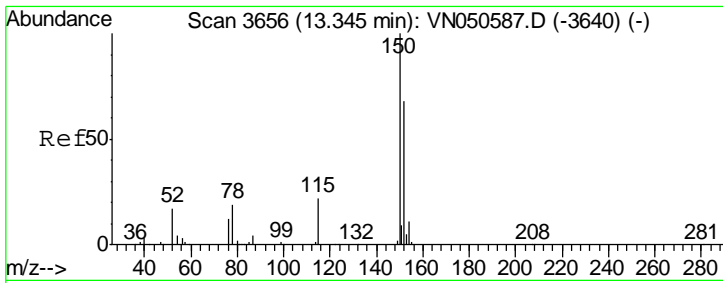
Tgt Ion	Resp	Lower	Upper
117	100		
82	53.1	42.4	63.6
119	32.4	25.8	38.8



#64
 Tetrachloroethene
 Concen: 42.19 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

Tgt Ion	Resp	Lower	Upper
164	100		
166	125.8	102.1	153.1
129	89.1	72.7	109.1
131	87.6	69.9	104.9

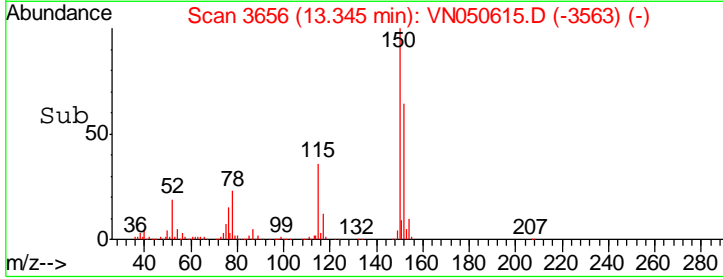
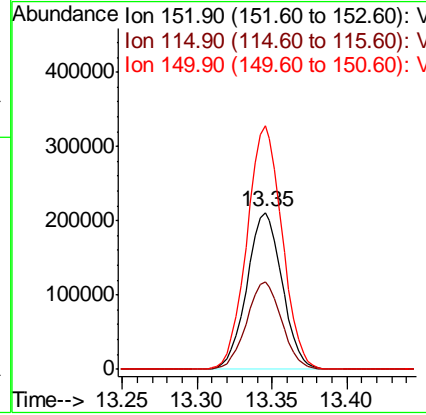
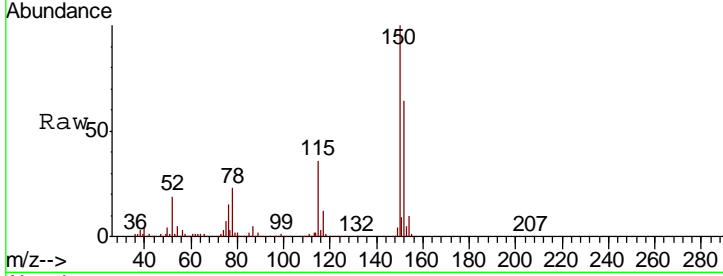




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050615.D
 Acq: 14 Aug 2018 20:32

Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)

Tot Ion	Resp	Lower	Upper
152	100		
115	55.8	28.1	84.2
150	155.5	0.0	347.8



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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050615.D
 Acq On : 14 Aug 2018 20:32
 Operator : MD\SY
 Sample : J4465-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	46	rBV	1705780	2855803	72.87%	12.225%
2	4.069	755	771	790	rBV	18075	55698	1.42%	0.238%
3	7.593	1847	1867	1878	rBV	557398	1381042	35.24%	5.912%
4	7.667	1879	1890	1923	rVB	794486	1884670	48.09%	8.068%
5	8.030	1984	2003	2032	rBV	542140	1262076	32.21%	5.403%
6	8.278	2046	2080	2082	rBV3	31807	124113	3.17%	0.531%
7	8.590	2160	2177	2213	rVB	1163701	2450068	62.52%	10.488%
8	10.091	2627	2644	2680	rBV	2128932	3918855	100.00%	16.776%
9	10.632	2797	2812	2844	rVB	1450316	2633274	67.19%	11.273%
10	11.410	3035	3054	3079	rBV	1561008	2715259	69.29%	11.624%
11	12.403	3349	3363	3382	rBV	1244539	2088332	53.29%	8.940%
12	13.345	3640	3656	3671	rBV	1212570	1990817	50.80%	8.522%

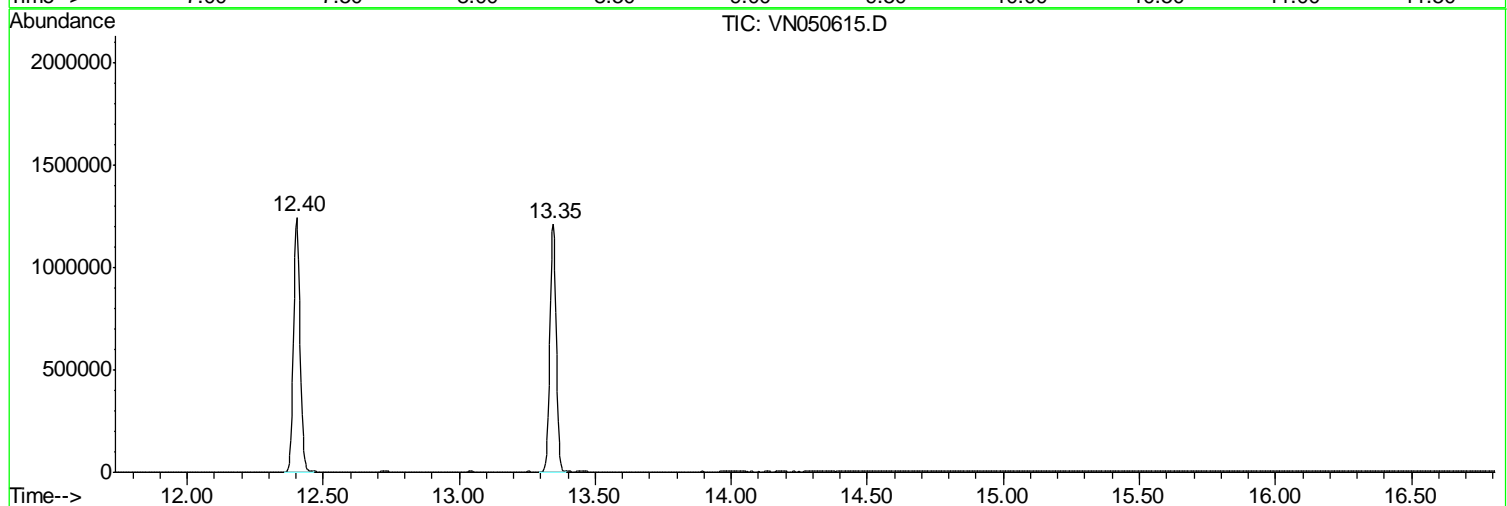
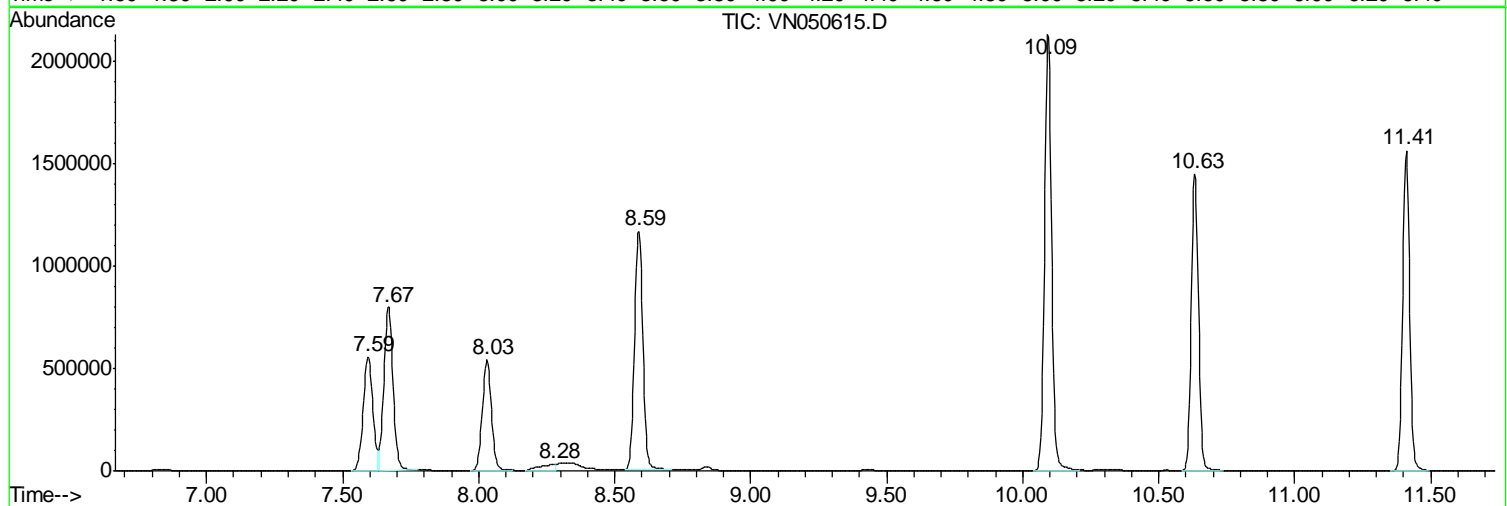
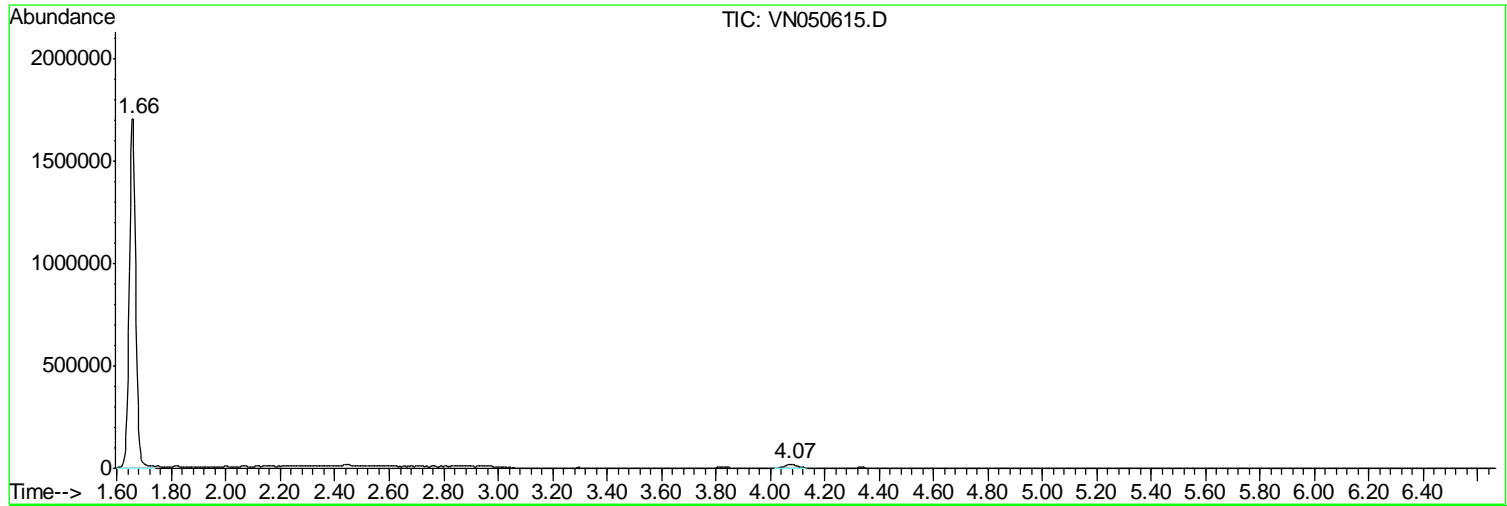
Sum of corrected areas: 23360007

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050615.D
Acq On : 14 Aug 2018 20:32
Operator : MD\SY
Sample : J4465-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050615.D
Acq On : 14 Aug 2018 20:32
Operator : MD\SY
Sample : J4465-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050615.D
Acq On : 14 Aug 2018 20:32
Operator : MD\SY
Sample : J4465-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
944-MW-05(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	945-MW-06(17)	SDG No.:	J4465
Lab Sample ID:	J4465-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050654.D	1		08/15/18 14:48	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.37	J	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	945-MW-06(17)	SDG No.:	J4465
Lab Sample ID:	J4465-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050654.D	1		08/15/18 14:48	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	7		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.1		61 - 141		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	47.7		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.6		58 - 135		81%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	633725	7.67				
540-36-3	1,4-Difluorobenzene	991129	8.59				
3114-55-4	Chlorobenzene-d5	888488	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	316429	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	945-MW-06(17)	SDG No.:	J4465
Lab Sample ID:	J4465-08	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050654.D	1		08/15/18 14:48	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050654.D
 Acq On : 15 Aug 2018 14:48
 Operator : MD\SY
 Sample : J4465-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 945-MW-06(17)

Quant Time: Aug 16 13:44:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	633725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	991129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	888488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316429	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	424254	53.11	ug/l	0.00
Spiked Amount						
						Recovery = 106.22%
35) Dibromofluoromethane	7.59	113	394028	49.80	ug/l	0.00
Spiked Amount						
						Recovery = 99.60%
50) Toluene-d8	10.09	98	1420884	47.71	ug/l	0.00
Spiked Amount						
						Recovery = 95.42%
62) 4-Bromofluorobenzene	12.40	95	399762	40.63	ug/l	0.00
Spiked Amount						
						Recovery = 81.26%

Target Compounds

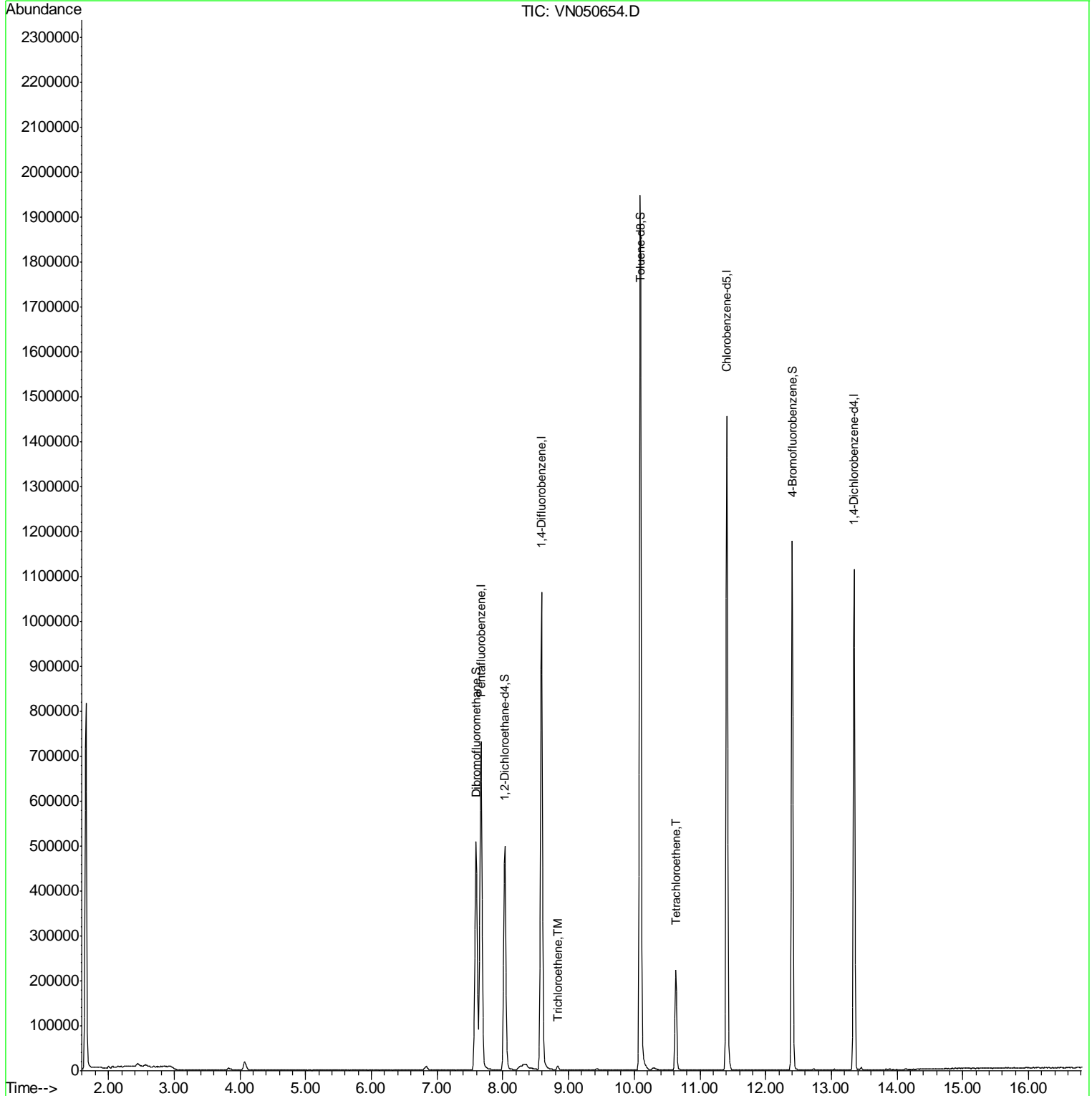
						Qvalue
44) Trichloroethene	8.83	130	3340	0.37	ug/l	86
64) Tetrachloroethene	10.63	164	57852	7.01	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

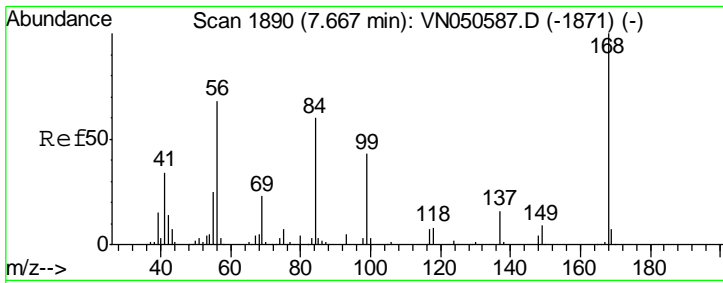
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050654.D
 Acq On : 15 Aug 2018 14:48
 Operator : MD\SY
 Sample : J4465-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 945-MW-06(17)

Quant Time: Aug 16 13:44:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



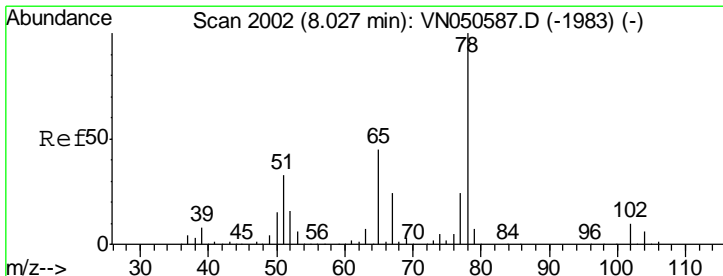
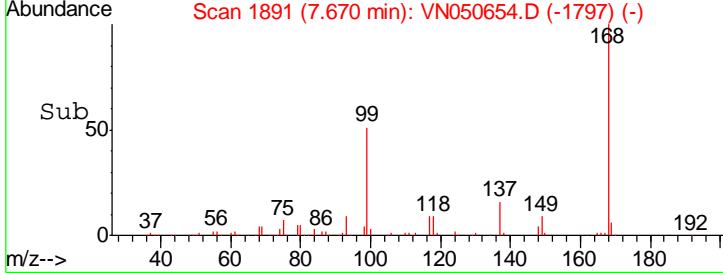
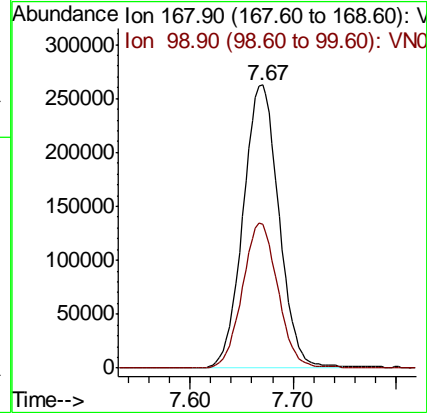
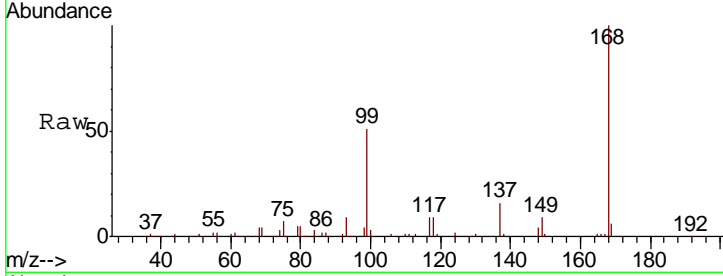
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- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050654.D
 Acq: 15 Aug 2018 14:48

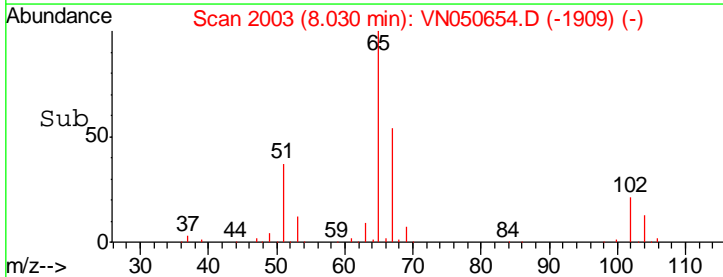
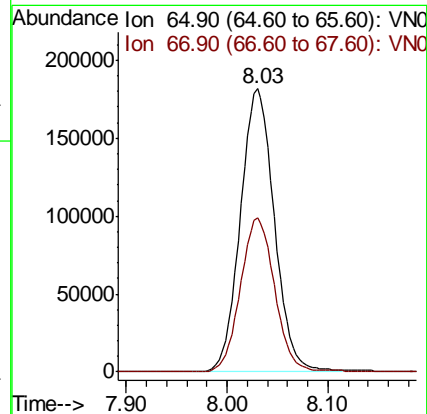
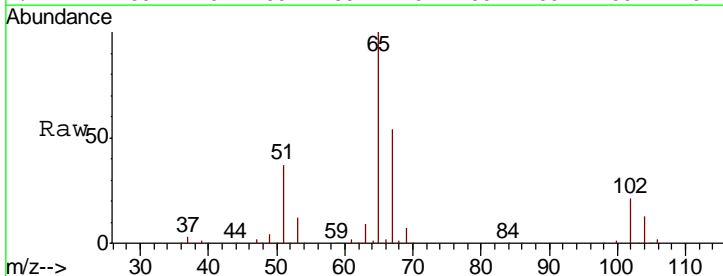
Instrument :
 MSVOA_N
 ClientSampleId :
 945-MW-06(17)

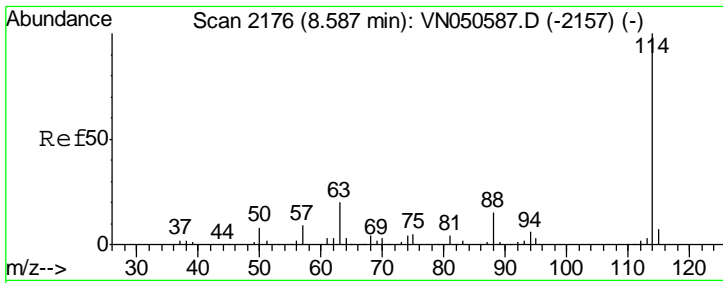
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.8	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.11 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050654.D
 Acq: 15 Aug 2018 14:48

Tgt Ion	Resp	Lower	Upper
65	100		
67	55.1	0.0	109.8

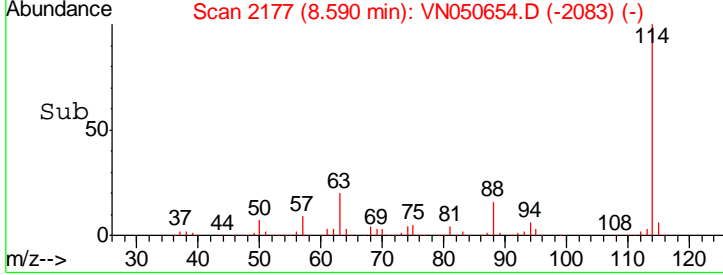
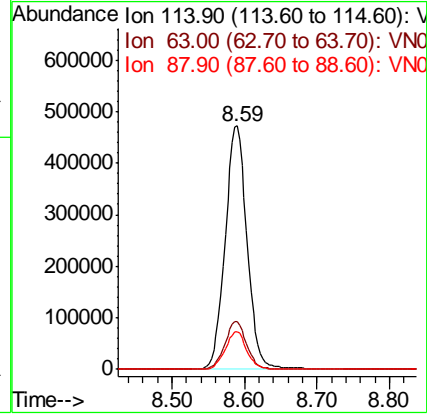
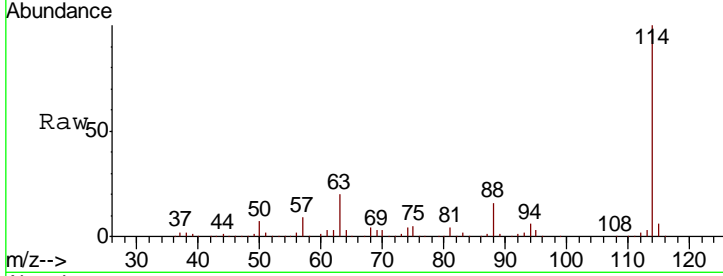




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050654.D
 Acq: 15 Aug 2018 14:48

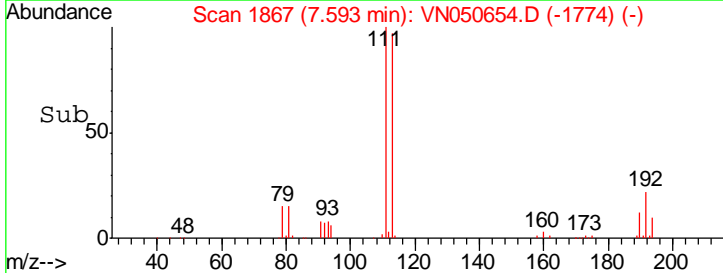
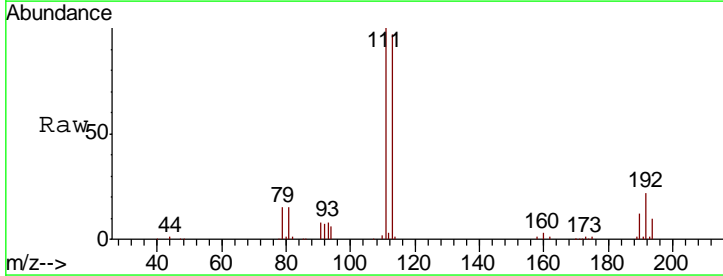
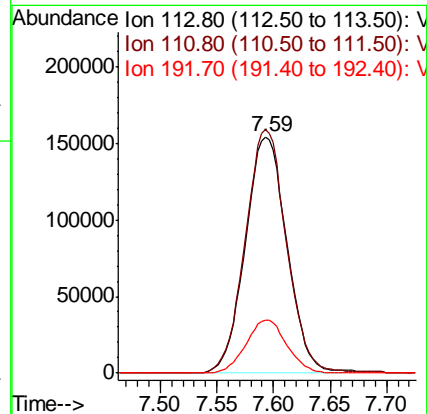
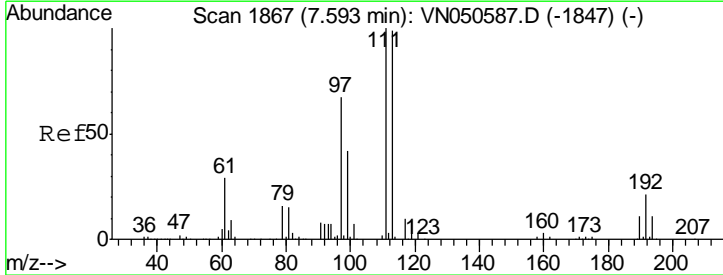
Instrument : MSVOA_N
 ClientSampled : 945-MW-06(17)

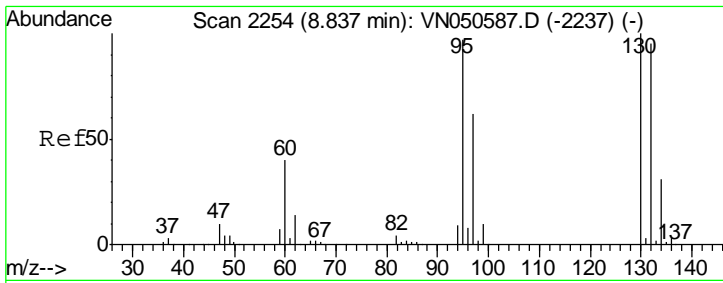
Tgt Ion	Resp	Lower	Upper
114	991129		
63	19.5	0.0	40.0
88	15.5	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 49.80 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050654.D
 Acq: 15 Aug 2018 14:48

Tgt Ion	Resp	Lower	Upper
113	394028		
111	103.0	81.0	121.6
192	22.3	17.6	26.4



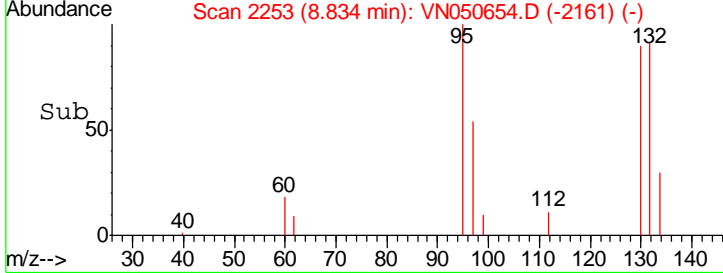
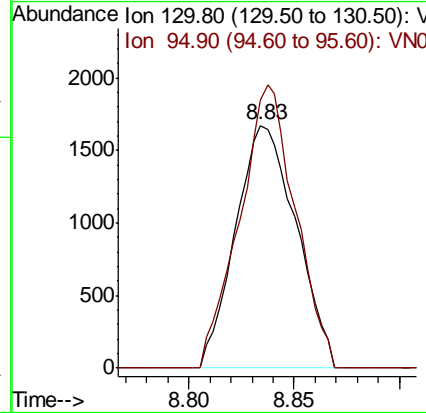
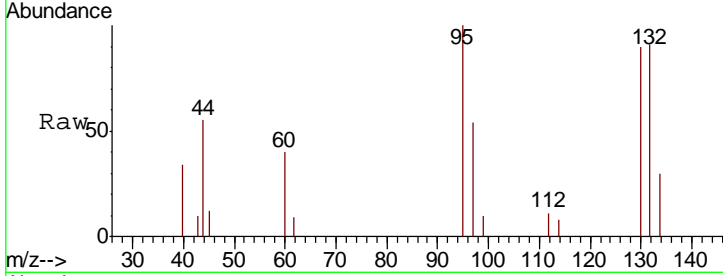


#44
 Trichloroethene
 Concen: 0.37 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050654.D
 Acq: 15 Aug 2018 14:48

Instrument :
 MSVOA_N
 ClientSampled :
 945-MW-06(17)

Tgt Ion: 130 Resp: 3340

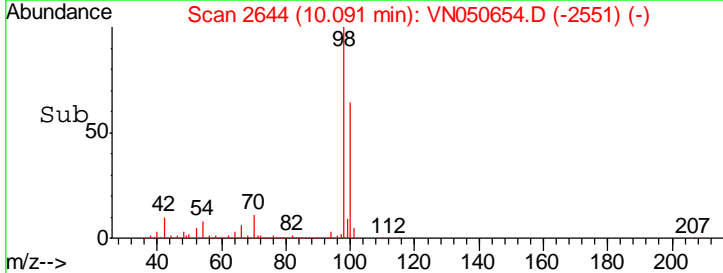
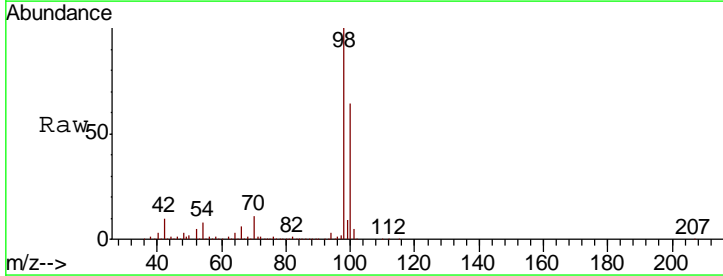
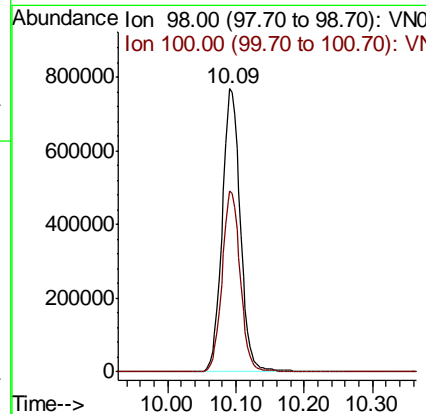
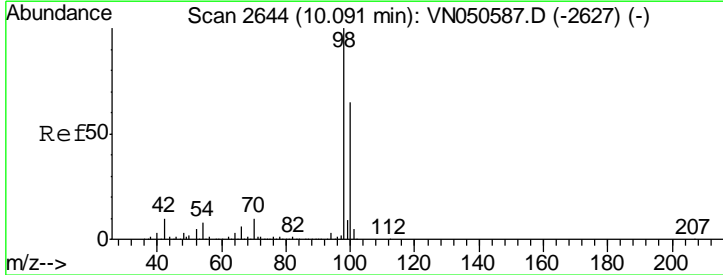
Ion	Ratio	Lower	Upper
130	100		
95	110.5	0.0	193.8

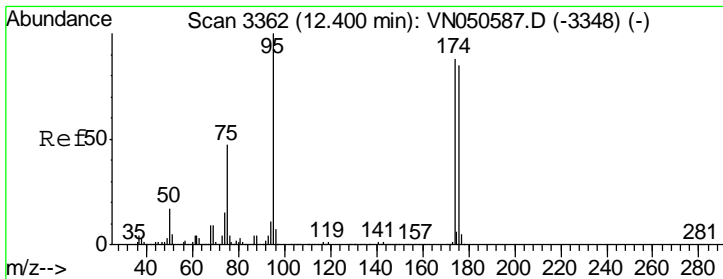


#50
 Toluene-d8
 Concen: 47.71 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050654.D
 Acq: 15 Aug 2018 14:48

Tgt Ion: 98 Resp: 1420884

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8

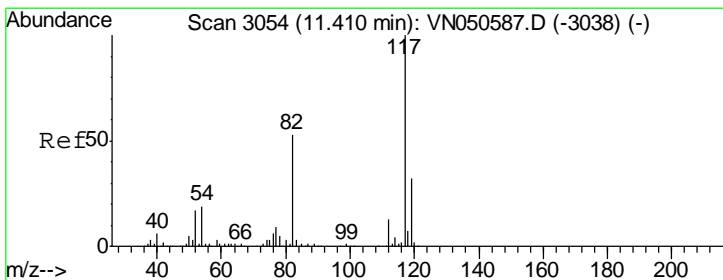
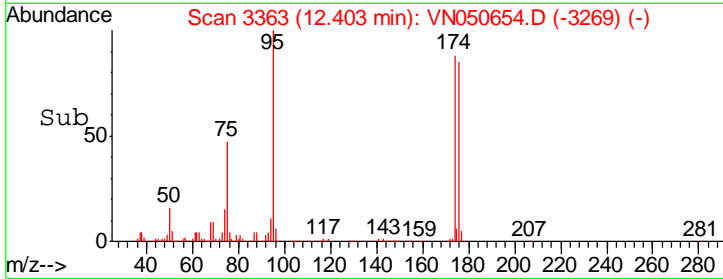
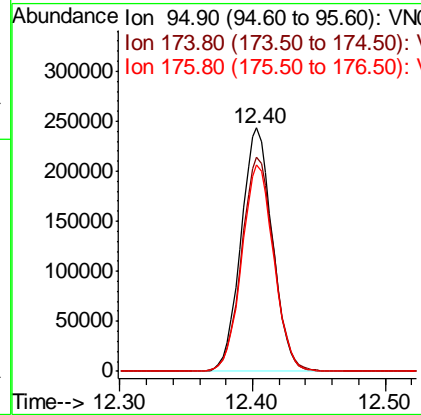
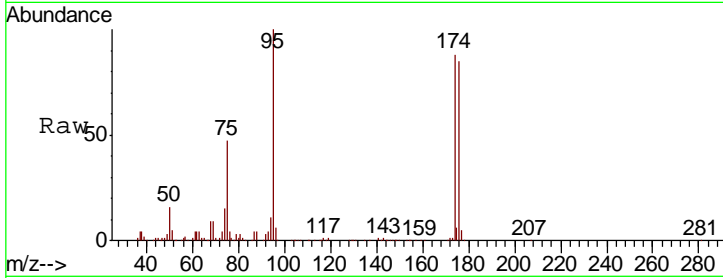




#62
 4-Bromofluorobenzene
 Concen: 40.63 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050654.D
 Acq: 15 Aug 2018 14:48

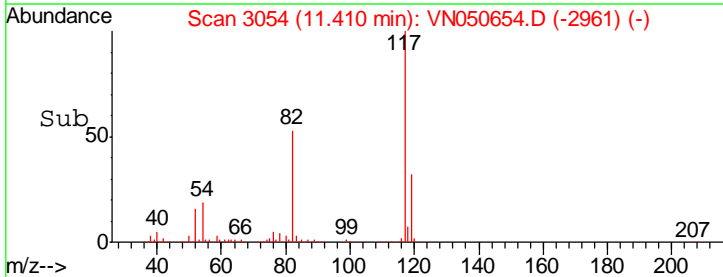
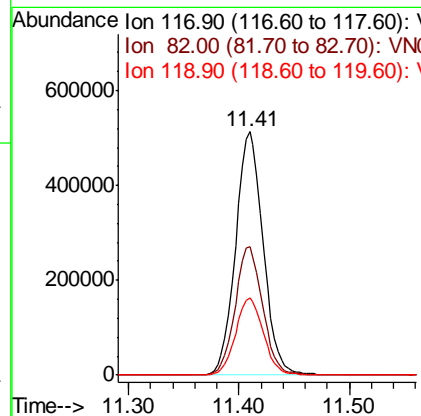
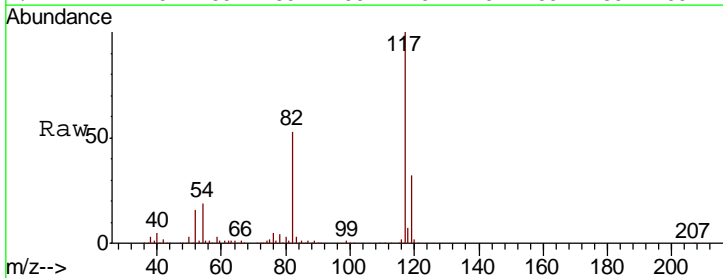
Instrument : MSVOA_N
 Client Sampled : 945-MW-06(17)

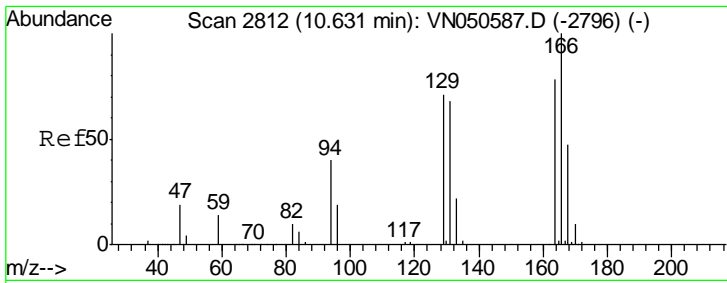
Tgt Ion	Resp	Lower	Upper
95	399762		
174	90.4	0.0	177.8
176	86.4	0.0	175.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050654.D
 Acq: 15 Aug 2018 14:48

Tgt Ion	Resp	Lower	Upper
117	888488		
82	52.8	42.4	63.6
119	31.8	25.8	38.8





#64

Tetrachloroethene

Concen: 7.01 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN050654.D

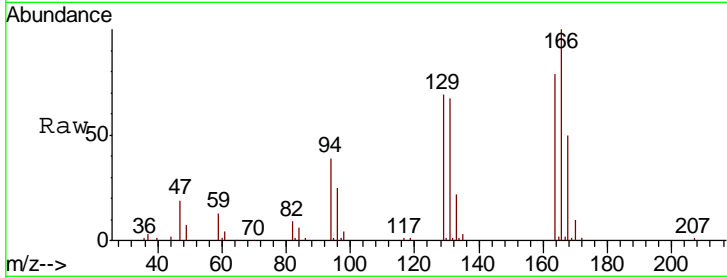
Acq: 15 Aug 2018 14:48

Instrument :

MSVOA_N

ClientSampled :

945-MW-06(17)



Tot Ion:164 Resp: 57852

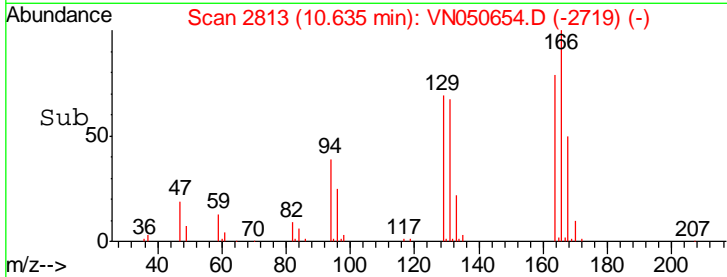
Ion Ratio Lower Upper

164 100

166 126.9 102.1 153.1

129 88.1 72.7 109.1

131 85.4 69.9 104.9

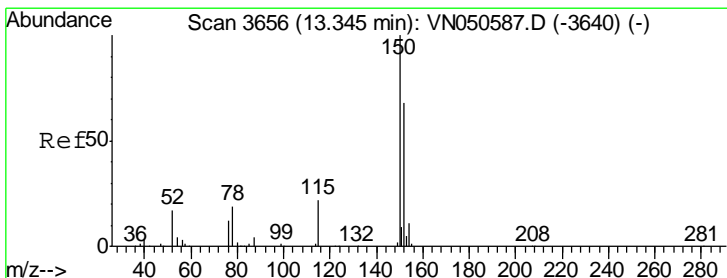
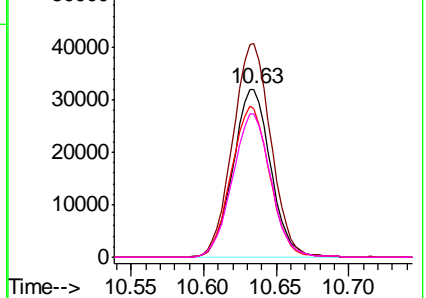


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

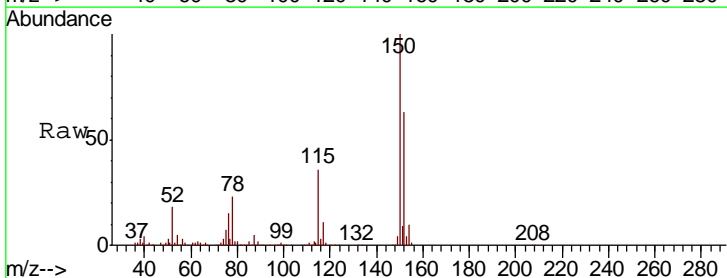
Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050654.D

Acq: 15 Aug 2018 14:48



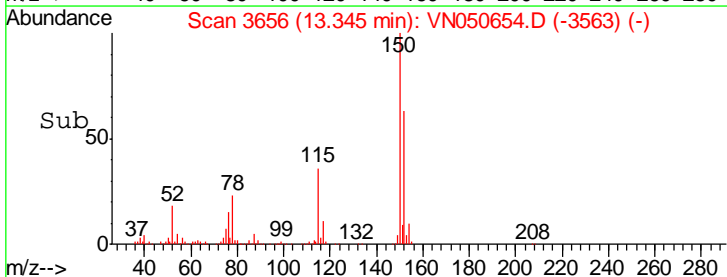
Tgt Ion:152 Resp: 316429

Ion Ratio Lower Upper

152 100

115 57.0 28.1 84.2

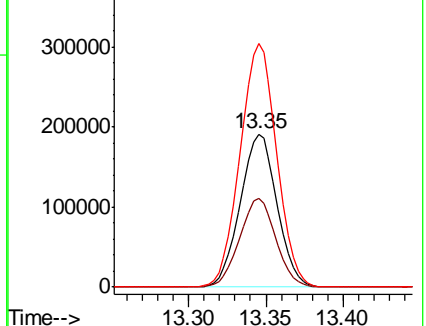
150 158.3 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050654.D
 Acq On : 15 Aug 2018 14:48
 Operator : MD\SY
 Sample : J4465-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 945-MW-06(17)

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	45	rBV	815501	1337661	36.78%	7.343%
2	4.072	755	772	791	rBV2	19245	56192	1.55%	0.308%
3	7.593	1846	1867	1878	rBV	509027	1274002	35.03%	6.994%
4	7.667	1879	1890	1930	rVB	730612	1759848	48.39%	9.661%
5	8.030	1982	2003	2030	rBV	499369	1172973	32.26%	6.439%
6	8.590	2157	2177	2216	rBV	1062898	2229684	61.31%	12.240%
7	10.091	2628	2644	2682	rBV	1947954	3636524	100.00%	19.963%
8	10.631	2800	2812	2833	rVB	223099	408146	11.22%	2.241%
9	11.410	3037	3054	3080	rBV	1456645	2529053	69.55%	13.883%
10	12.403	3348	3363	3383	rBV	1178797	1968760	54.14%	10.808%
11	13.345	3642	3656	3671	rBV	1114200	1843758	50.70%	10.121%

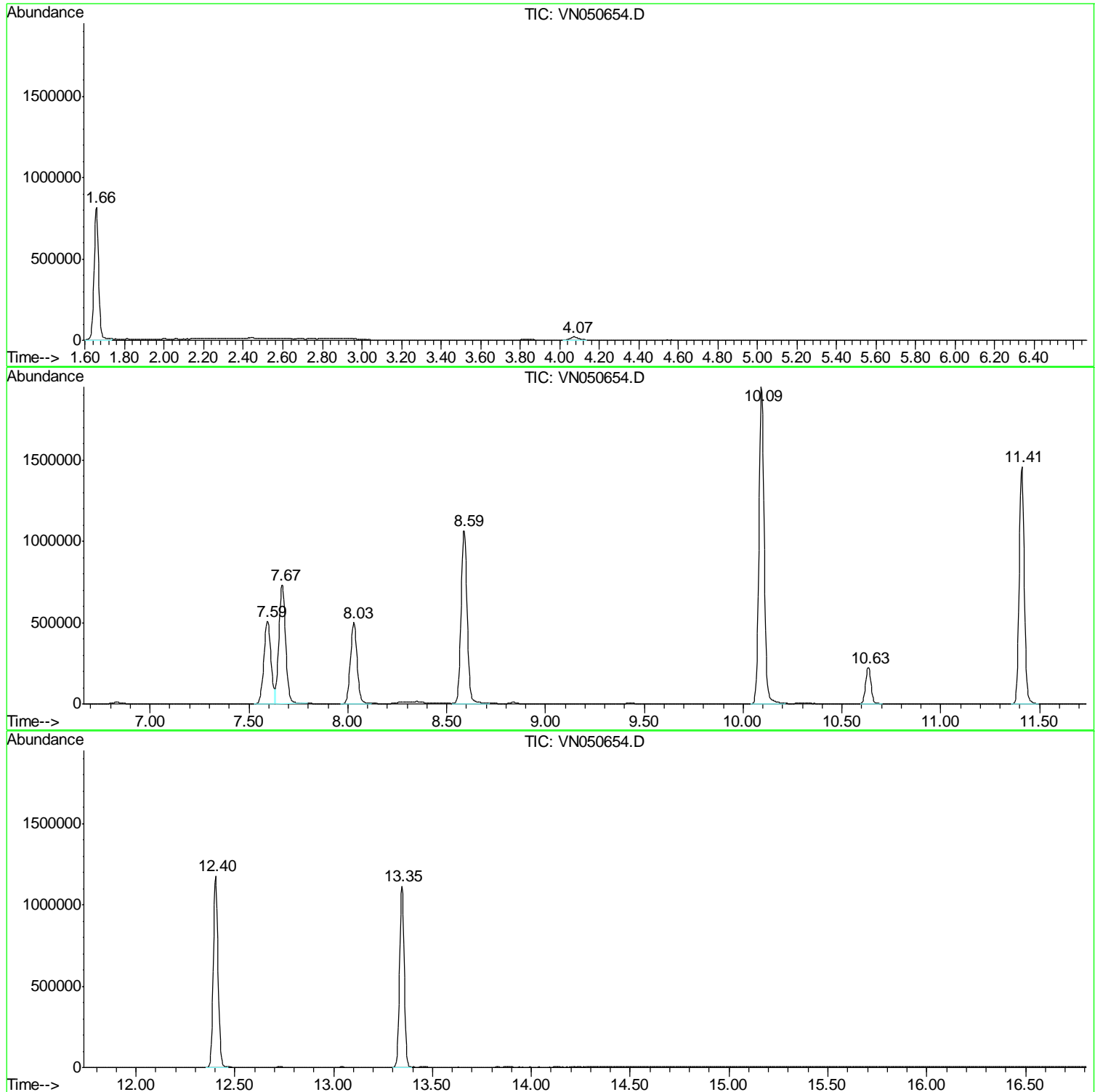
Sum of corrected areas: 18216601

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050654.D
Acq On : 15 Aug 2018 14:48
Operator : MD\SY
Sample : J4465-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
945-MW-06(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
Data File : VN050654.D
Acq On : 15 Aug 2018 14:48
Operator : MD\SY
Sample : J4465-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
945-MW-06(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
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- 11
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- 14
- 15
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
 Data File : VN050654.D
 Acq On : 15 Aug 2018 14:48
 Operator : MD\SY
 Sample : J4465-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 945-MW-06(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
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- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	946-MW-07(22.5)	SDG No.:	J4465
Lab Sample ID:	J4465-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050655.D	1		08/15/18 15:13	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	946-MW-07(22.5)	SDG No.:	J4465
Lab Sample ID:	J4465-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050655.D	1		08/15/18 15:13	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	7.9		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.4		61 - 141		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	47.8		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.9		58 - 135		76%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	616801	7.67				
540-36-3	1,4-Difluorobenzene	962506	8.59				
3114-55-4	Chlorobenzene-d5	847199	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	277299	13.35				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	946-MW-07(22.5)	SDG No.:	J4465
Lab Sample ID:	J4465-09	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050655.D	1		08/15/18 15:13	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050655.D
 Acq On : 15 Aug 2018 15:13
 Operator : MD\SY
 Sample : J4465-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 946-MW-07(22.5)

Quant Time: Aug 16 13:44:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

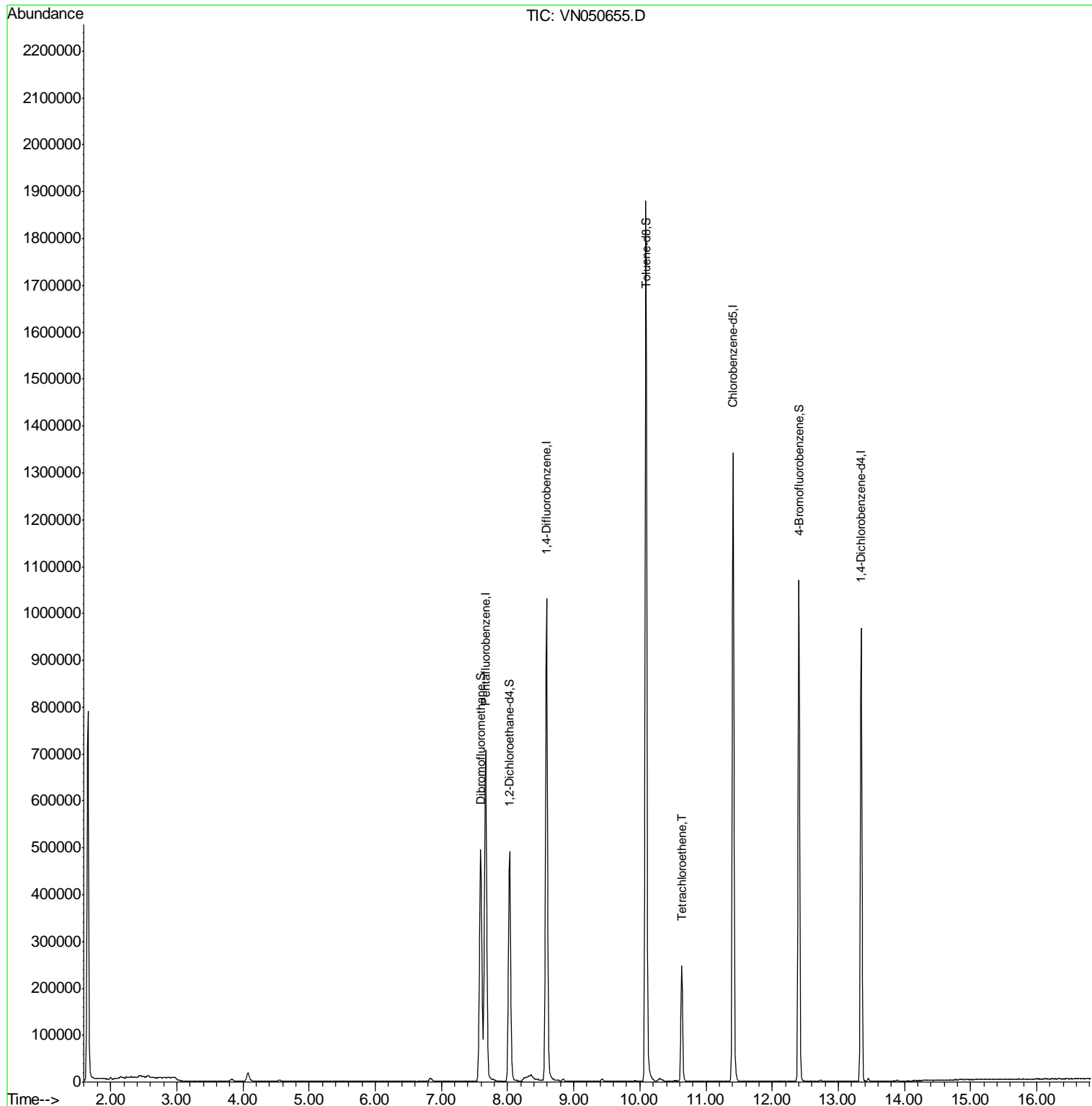
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	616801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	962506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	847199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277299	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	415155	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
35) Dibromofluoromethane	7.59	113	387505	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.09	98	1381828	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.40	95	362287	37.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.84%	
Target Compounds						Qvalue
64) Tetrachloroethene	10.63	164	62342	7.92	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

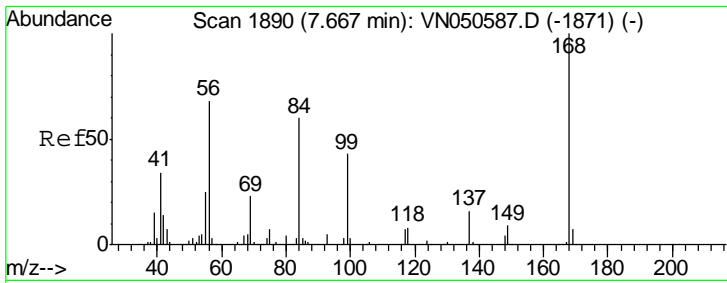
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050655.D
 Acq On : 15 Aug 2018 15:13
 Operator : MD\SY
 Sample : J4465-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 946-MW-07(22.5)

Quant Time: Aug 16 13:44:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



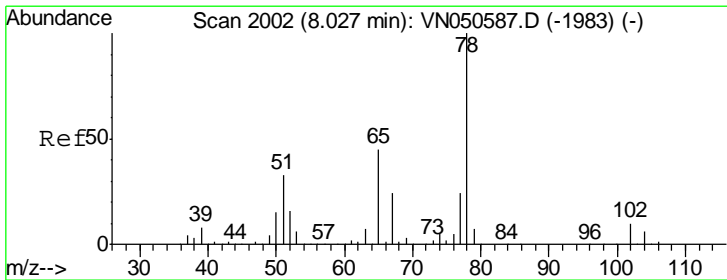
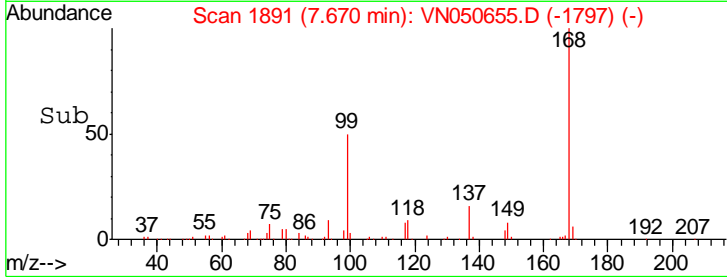
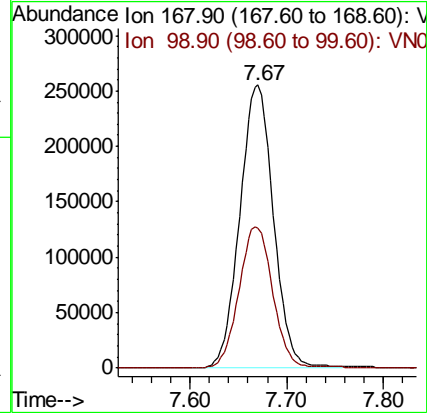
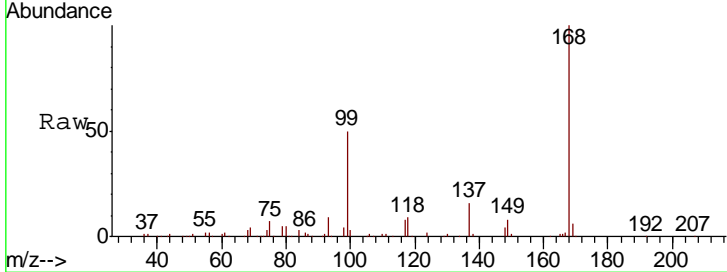
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050655.D
 Acq: 15 Aug 2018 15:13

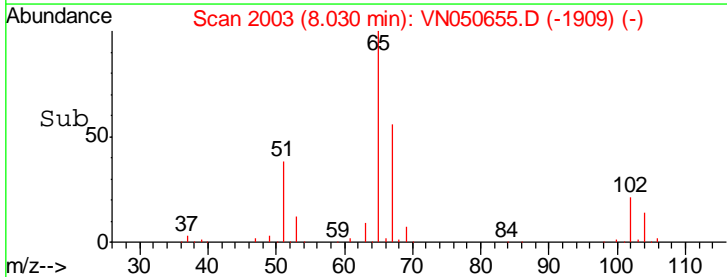
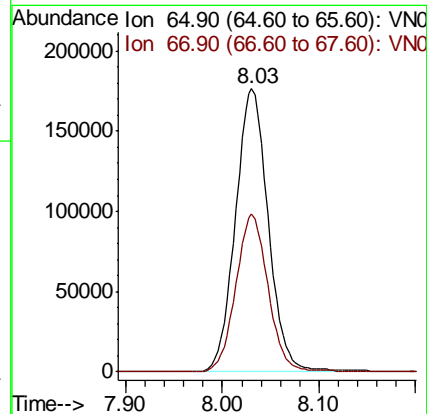
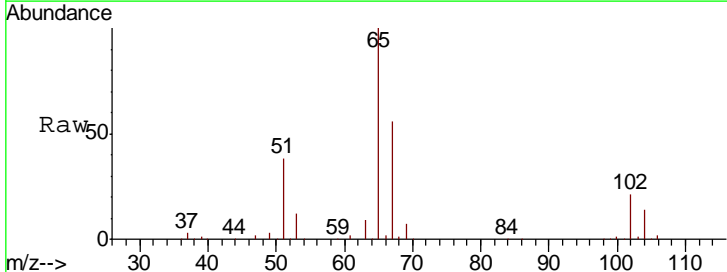
Instrument : MSVOA_N
 ClientSampleId : 946-MW-07(22.5)

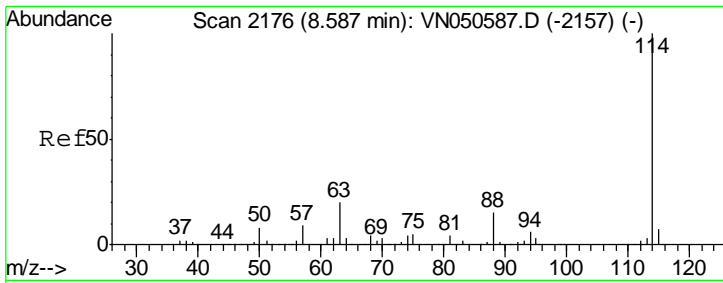
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.6	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.40 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050655.D
 Acq: 15 Aug 2018 15:13

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.7	0.0	109.8

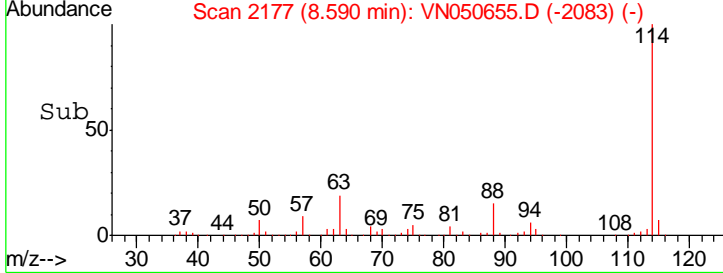
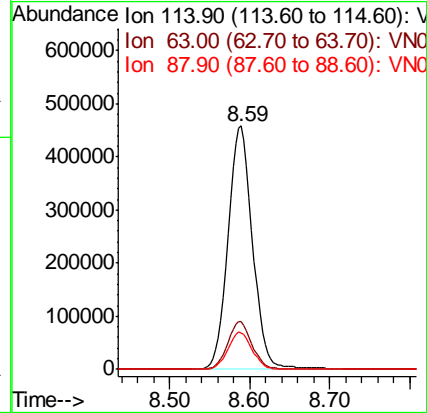
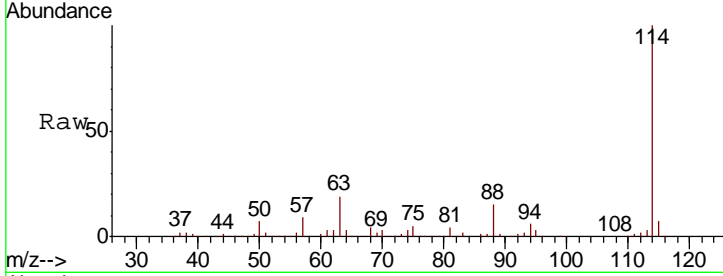




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050655.D
 Acq: 15 Aug 2018 15:13

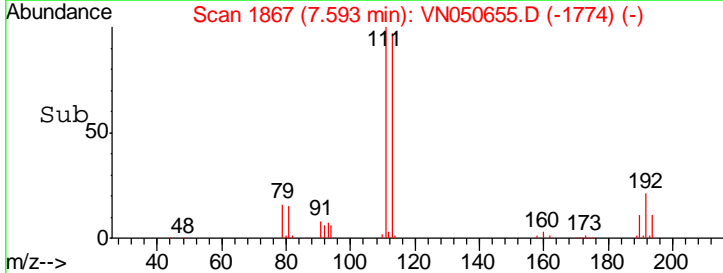
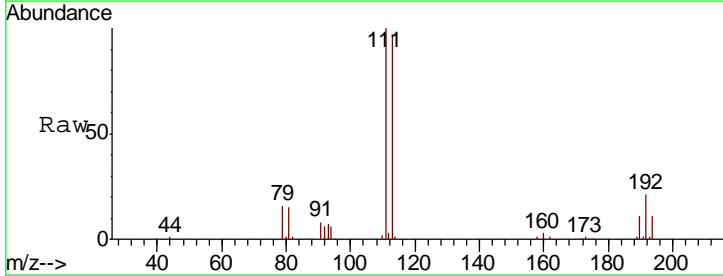
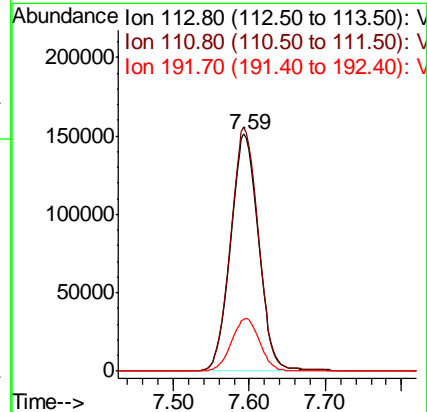
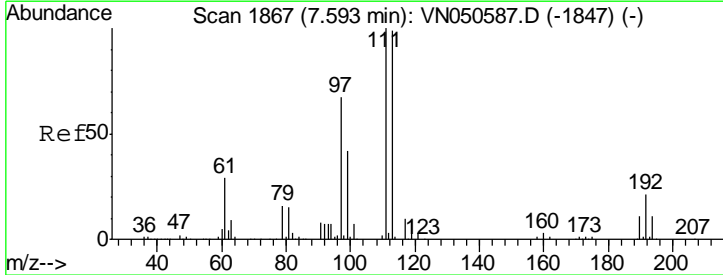
Instrument : MSVOA_N
 ClientSampleId : 946-MW-07(22.5)

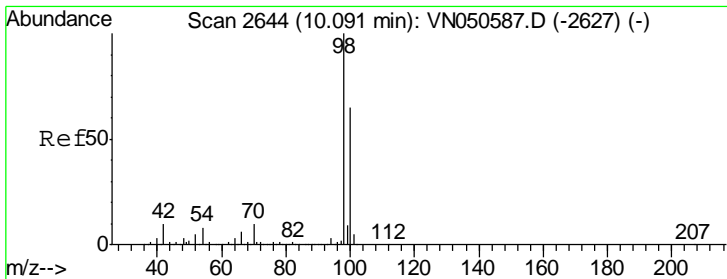
Tgt Ion	Resp	Lower	Upper
114	962506		
63	19.4	0.0	40.0
88	15.1	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 50.43 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050655.D
 Acq: 15 Aug 2018 15:13

Tgt Ion	Resp	Lower	Upper
113	387505		
111	102.4	81.0	121.6
192	22.1	17.6	26.4

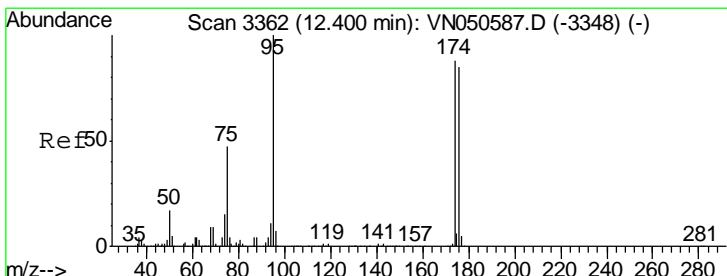
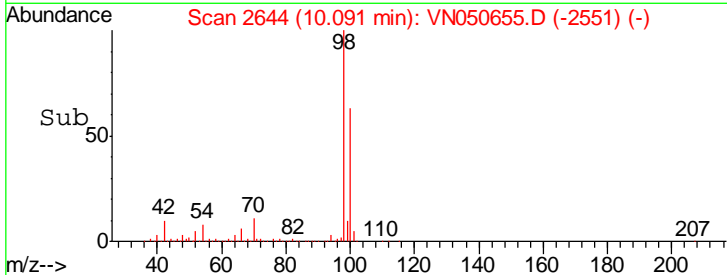
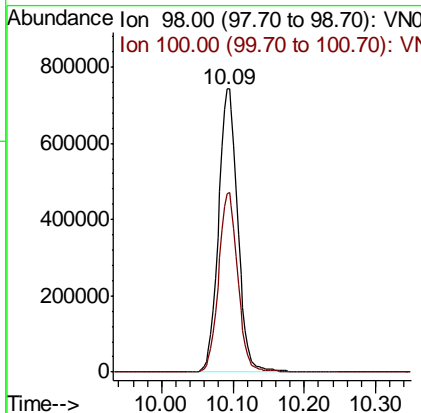
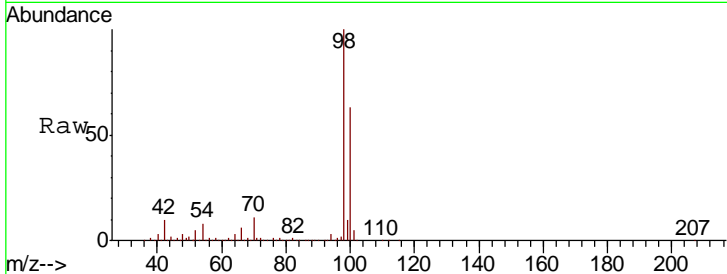




#50
 Toluene-d8
 Concen: 47.78 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050655.D
 Acq: 15 Aug 2018 15:13

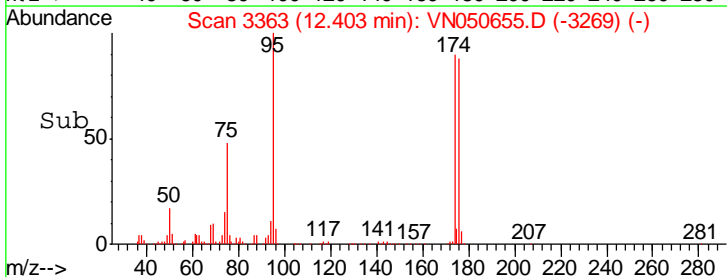
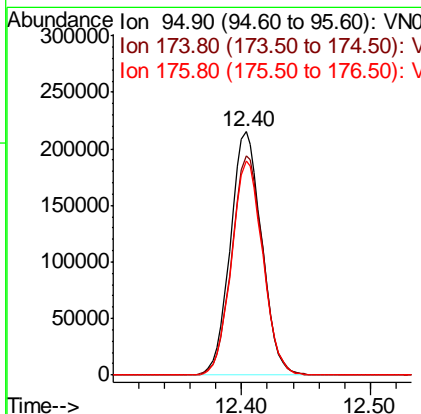
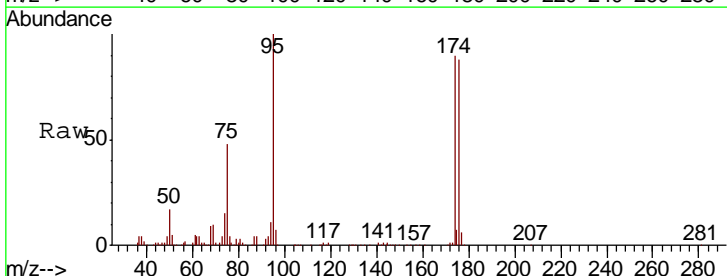
Instrument : MSVOA_N
 ClientSampled : 946-MW-07(22.5)

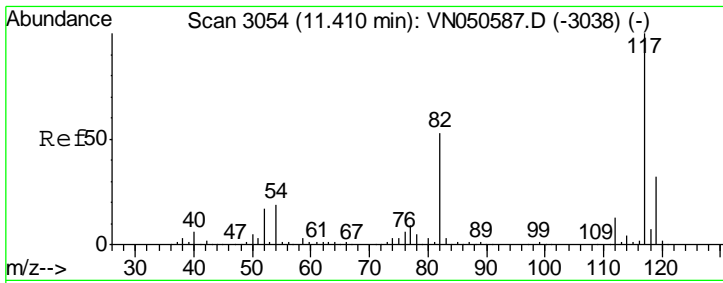
Tgt Ion	Resp	Lower	Upper
98	1381828		
98	100		
100	63.3	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 37.92 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050655.D
 Acq: 15 Aug 2018 15:13

Tgt Ion	Resp	Lower	Upper
95	362287		
95	100		
174	90.3	0.0	177.8
176	87.9	0.0	175.0

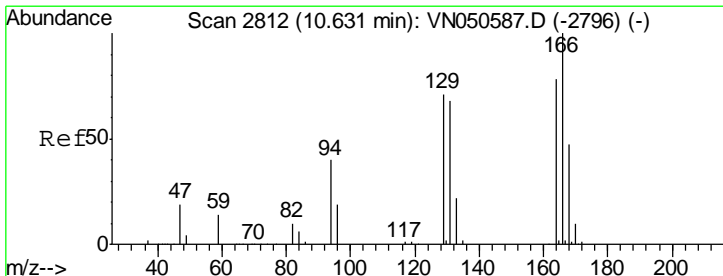
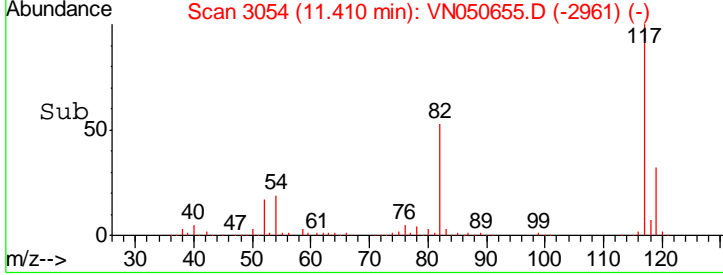
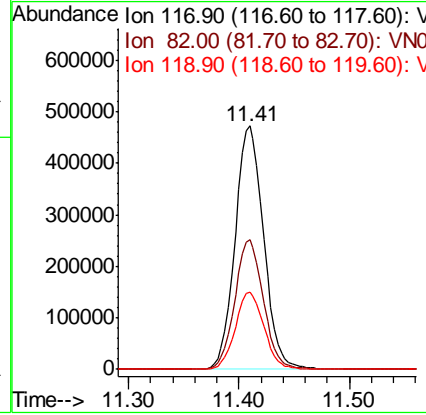
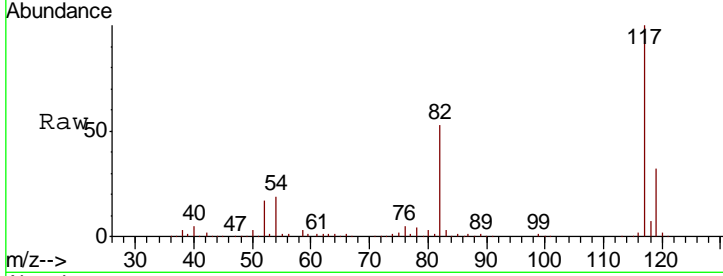




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050655.D
 Acq: 15 Aug 2018 15:13

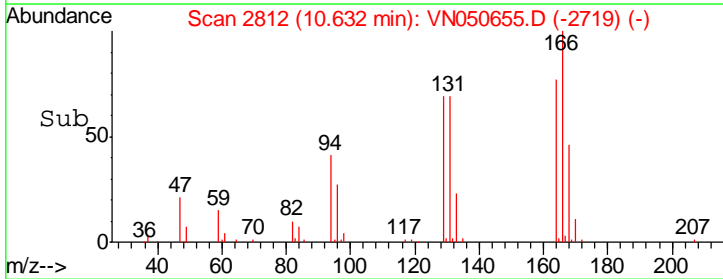
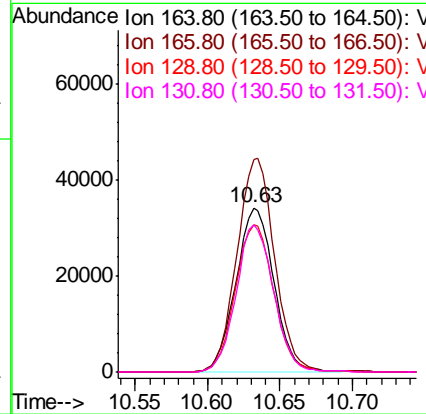
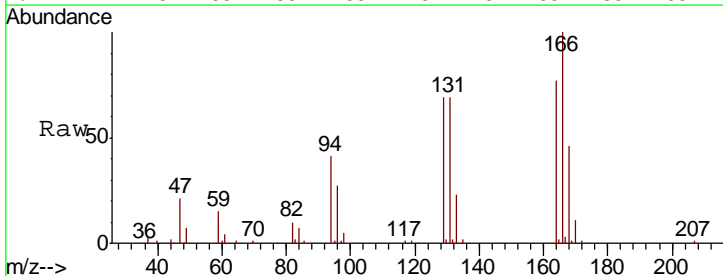
Instrument : MSVOA_N
 ClientSampleId : 946-MW-07(22.5)

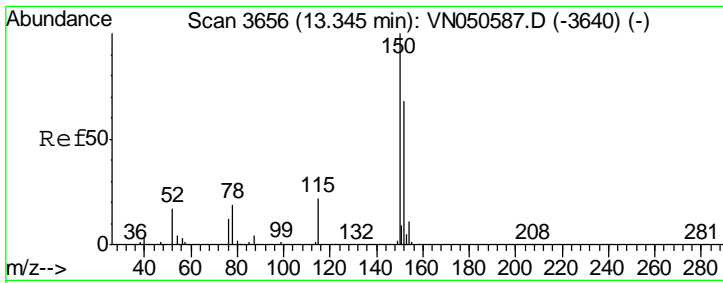
Tgt Ion	Resp	Lower	Upper
117	847199		
82	53.0	42.4	63.6
119	31.9	25.8	38.8



#64
 Tetrachloroethene
 Concen: 7.92 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050655.D
 Acq: 15 Aug 2018 15:13

Tgt Ion	Resp	Lower	Upper
164	62342		
166	129.6	102.1	153.1
129	89.7	72.7	109.1
131	90.0	69.9	104.9

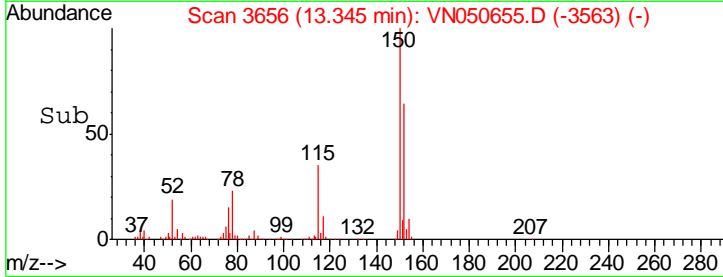
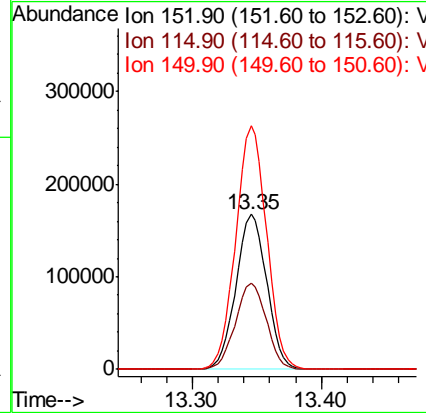
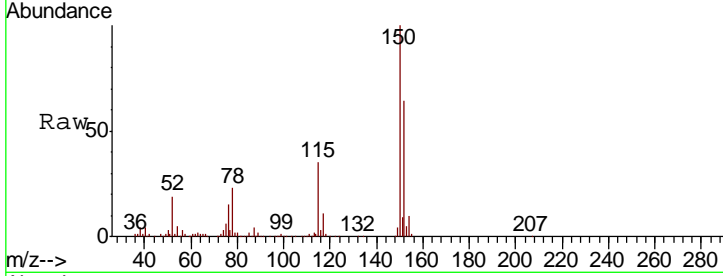




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050655.D
 Acq: 15 Aug 2018 15:13

Instrument : MSVOA_N
 ClientSampled : 946-MW-07(22.5)

Tot Ion	Resp	Lower	Upper
152	100		
115	55.9	28.1	84.2
150	157.2	0.0	347.8



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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050655.D
 Acq On : 15 Aug 2018 15:13
 Operator : MD\SY
 Sample : J4465-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 946-MW-07(22.5)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	47	rBV	789514	1307645	37.08%	7.516%
2	4.072	757	772	798	rBV	18021	53684	1.52%	0.309%
3	7.593	1847	1867	1878	rBV2	495373	1242795	35.24%	7.143%
4	7.667	1879	1890	1918	rVB	704035	1688965	47.89%	9.707%
5	8.030	1984	2003	2031	rBV	491289	1147426	32.53%	6.595%
6	8.590	2160	2177	2206	rBV	1028489	2158843	61.21%	12.408%
7	10.091	2627	2644	2686	rBV	1879210	3526838	100.00%	20.270%
8	10.632	2799	2812	2830	rBV	246519	443104	12.56%	2.547%
9	11.410	3038	3054	3081	rBV	1342343	2409263	68.31%	13.847%
10	12.403	3347	3363	3380	rBV	1070061	1805961	51.21%	10.380%
11	13.345	3642	3656	3672	rBV	968276	1614579	45.78%	9.280%

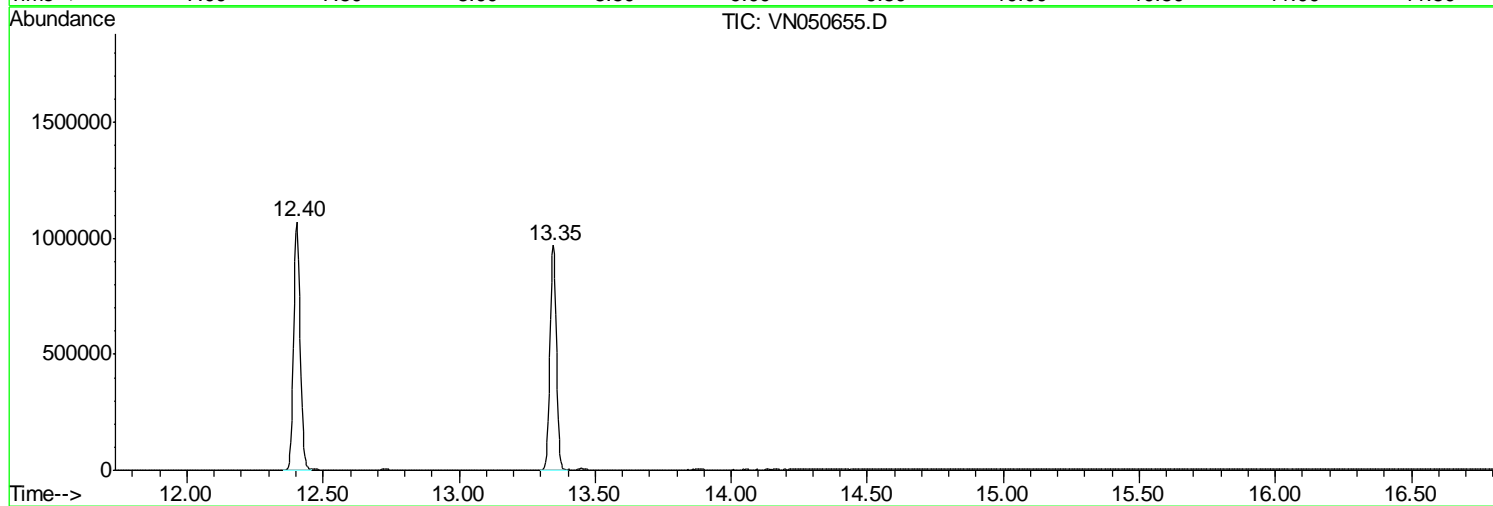
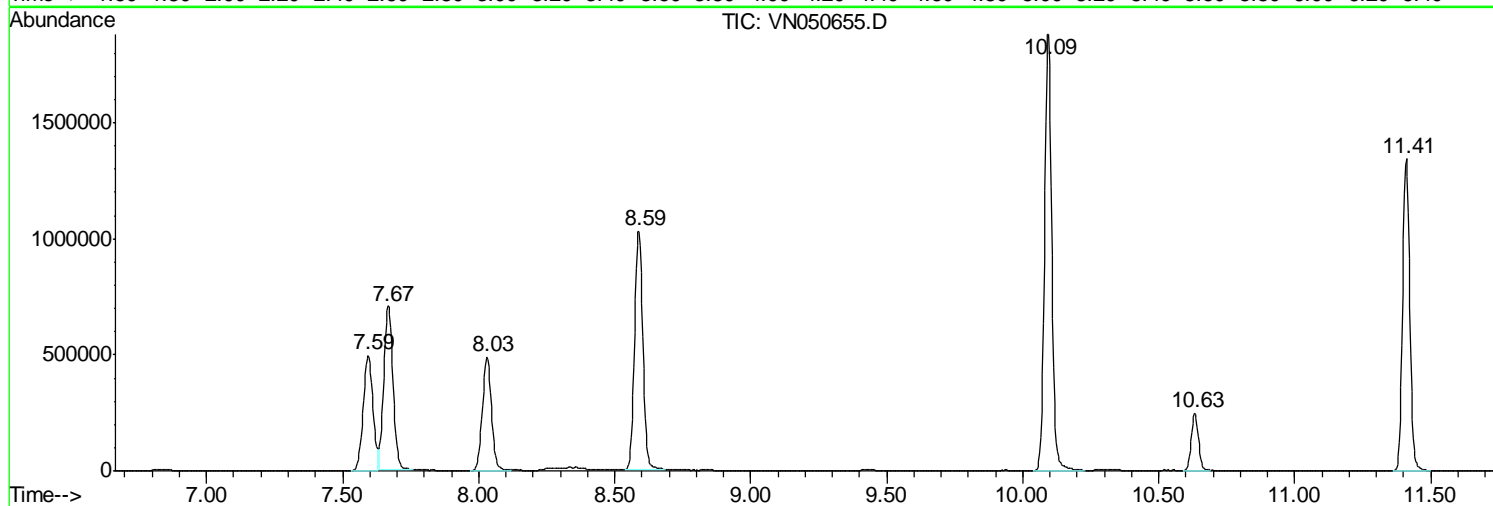
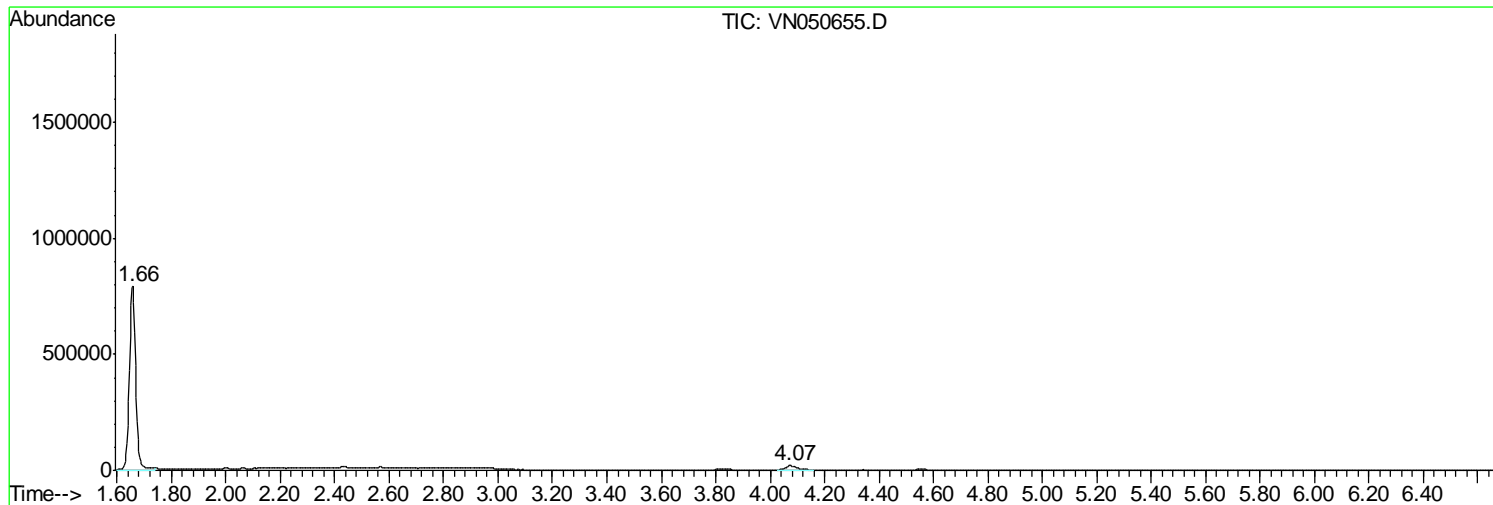
Sum of corrected areas: 17399103

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050655.D
Acq On : 15 Aug 2018 15:13
Operator : MD\SY
Sample : J4465-09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
946-MW-07(22.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
Data File : VN050655.D
Acq On : 15 Aug 2018 15:13
Operator : MD\SY
Sample : J4465-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
946-MW-07(22.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
 Data File : VN050655.D
 Acq On : 15 Aug 2018 15:13
 Operator : MD\SY
 Sample : J4465-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 946-MW-07(22.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	947-MW-11(15)	SDG No.:	J4465
Lab Sample ID:	J4465-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050628.D	1		08/15/18 02:42	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.42	J	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	4.7	J	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	6.4		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	12.7		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	947-MW-11(15)	SDG No.:	J4465
Lab Sample ID:	J4465-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050628.D	1		08/15/18 02:42	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	320	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		61 - 141		104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	46.4		65 - 126		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.7		58 - 135		71%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	639089	7.67				
540-36-3	1,4-Difluorobenzene	995937	8.59				
3114-55-4	Chlorobenzene-d5	850173	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	265374	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	947-MW-11(15)	SDG No.:	J4465
Lab Sample ID:	J4465-10	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050628.D	1		08/15/18 02:42	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050628.D
 Acq On : 15 Aug 2018 2:42
 Operator : MD\SY
 Sample : J4465-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 947-MW-11(15)

Quant Time: Aug 15 14:27:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	639089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	995937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	850173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	265374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	420170	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	7.59	113	398008	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	10.09	98	1388481	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
62) 4-Bromofluorobenzene	12.40	95	352642	35.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.34%	

Target Compounds

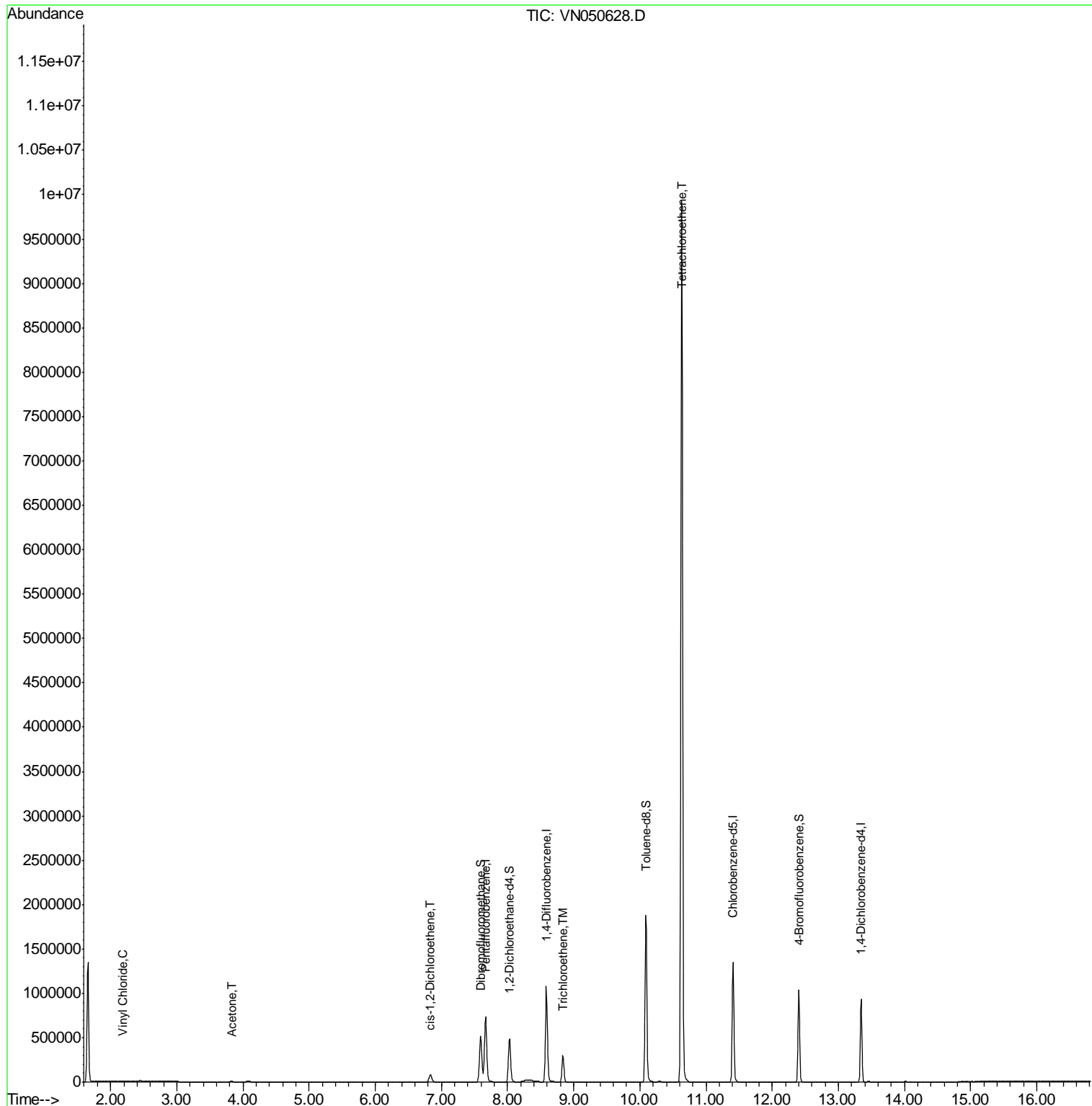
						Qvalue
4) Vinyl Chloride	2.18	62	3975	0.42	ug/l	93
16) Acetone	3.82	43	12363	4.72	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	53475	6.39	ug/l	91
44) Trichloroethene	8.84	130	114531	12.68	ug/l	98
64) Tetrachloroethene	10.63	164	2492381	315.67	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

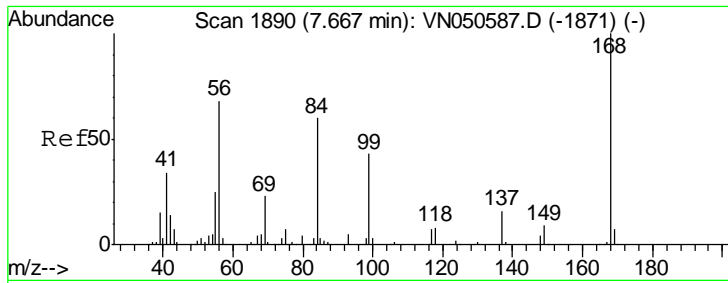
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 Data File : VN050628.D
 Acq On : 15 Aug 2018 2:42
 Operator : MD\SY
 Sample : J4465-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 947-MW-11(15)

Quant Time: Aug 15 14:27:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



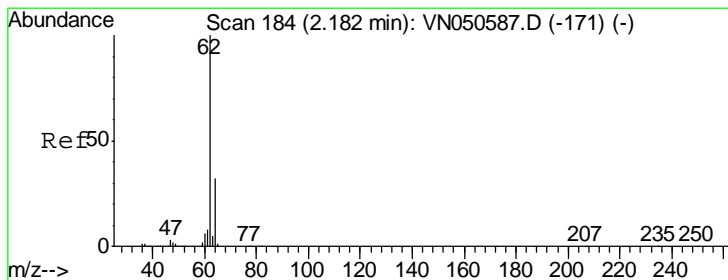
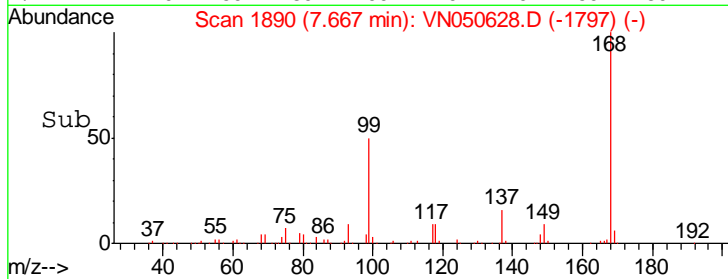
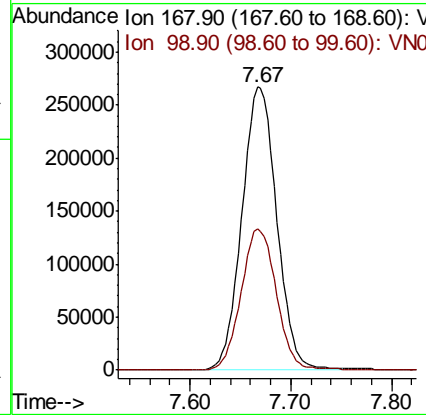
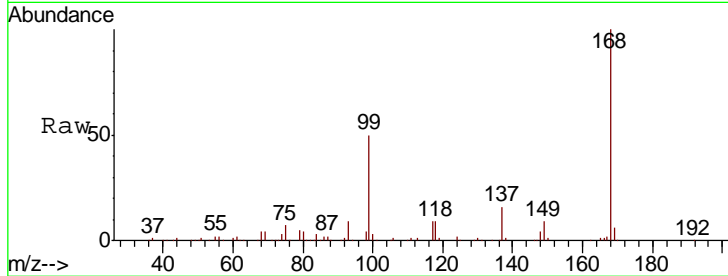
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

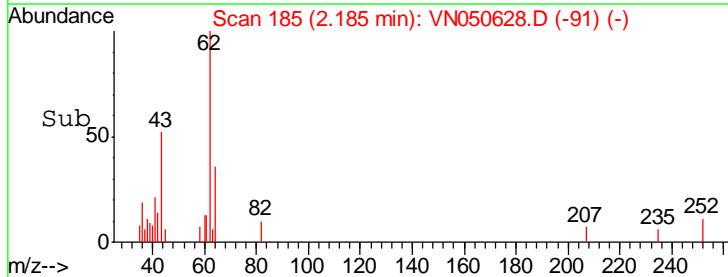
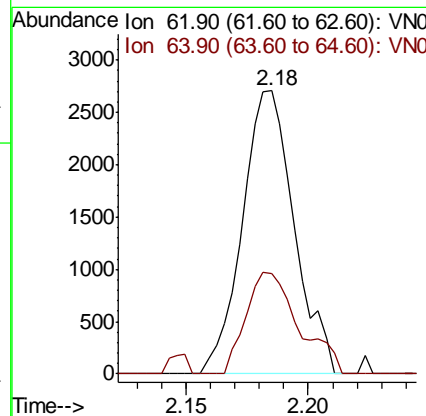
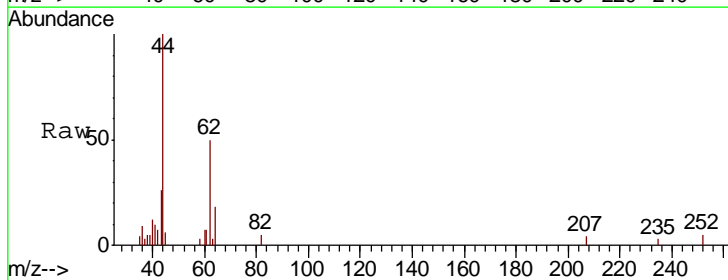
Instrument : MSVOA_N
 ClientSampleId : 947-MW-11(15)

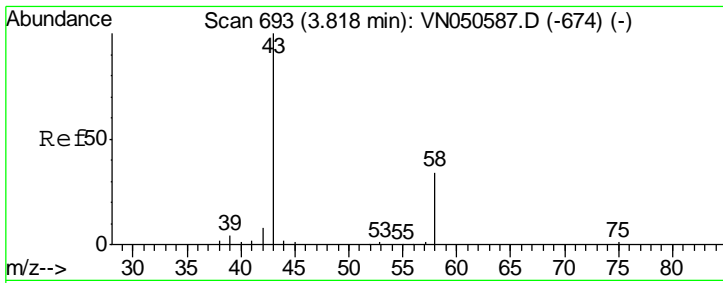
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.8	40.8	61.2



#4
 Vinyl Chloride
 Concen: 0.42 ug/l
 RT: 2.18 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

Tgt Ion	Resp	Lower	Upper
62	100		
64	35.6	25.2	37.8

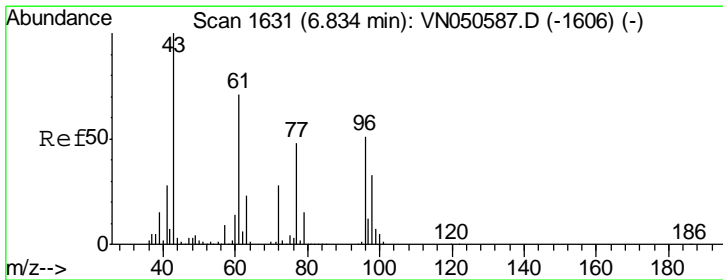
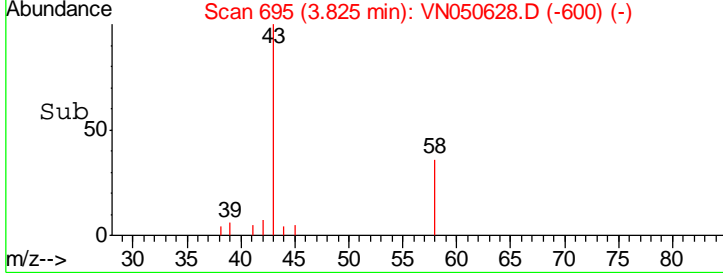
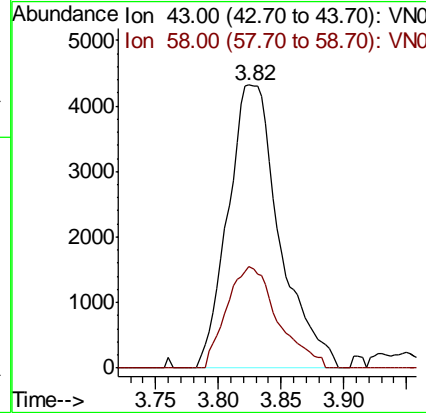
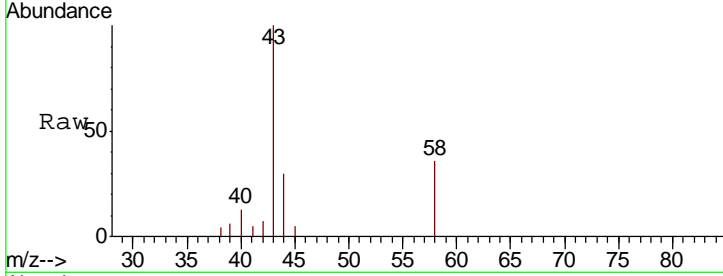




#16
 Acetone
 Concen: 4.72 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

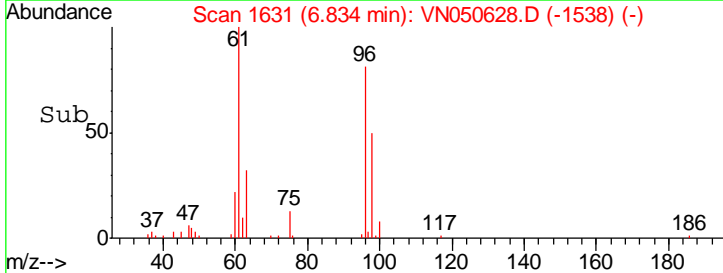
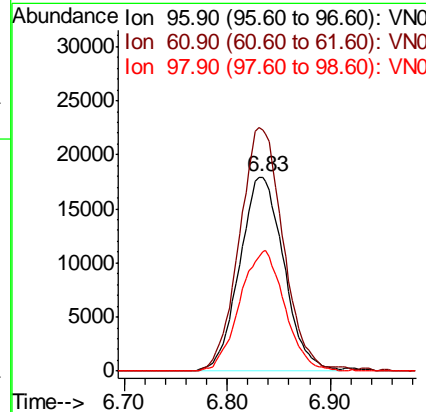
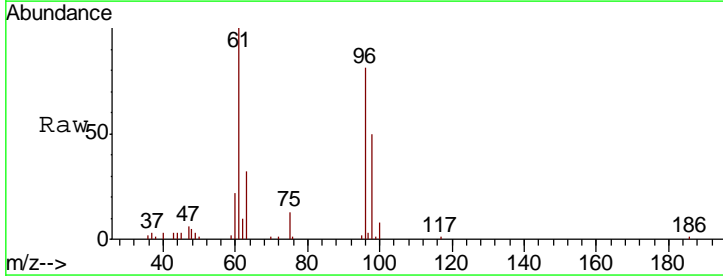
Instrument : MSVOA_N
 ClientSampled : 947-MW-11(15)

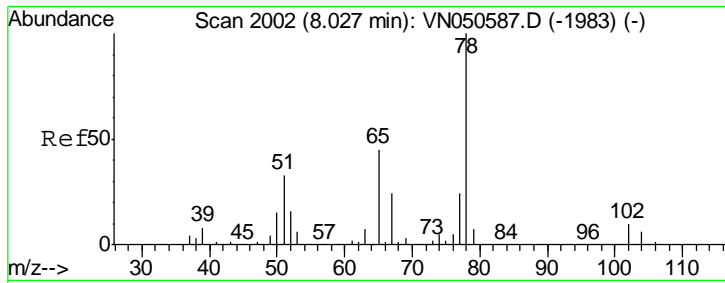
Tgt Ion	Resp	Lower	Upper
43	12363		
43	100		
58	36.0	27.1	40.7



#27
 cis-1,2-Dichloroethene
 Concen: 6.39 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

Tgt Ion	Resp	Lower	Upper
96	53475		
96	100		
61	124.0	0.0	278.2
98	62.9	0.0	128.8

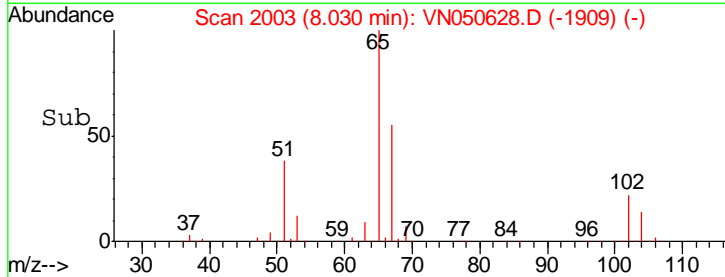
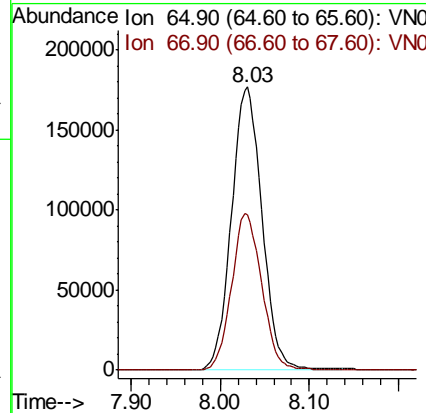
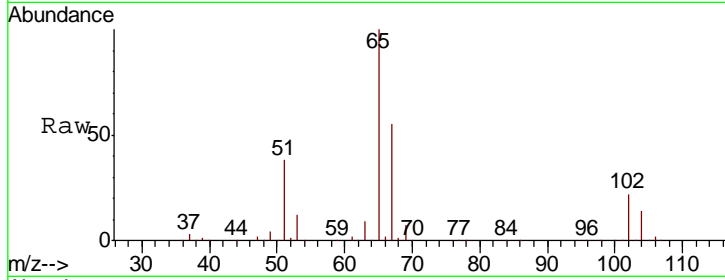




#33
 1,2-Dichloroethane-d4
 Concen: 52.16 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

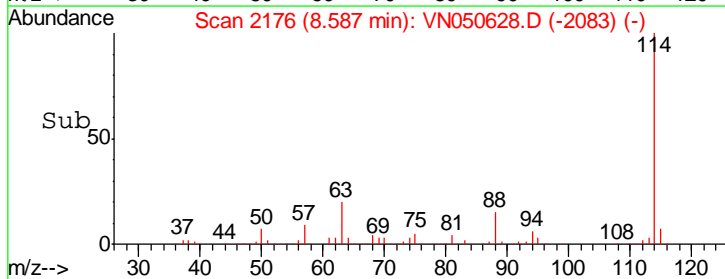
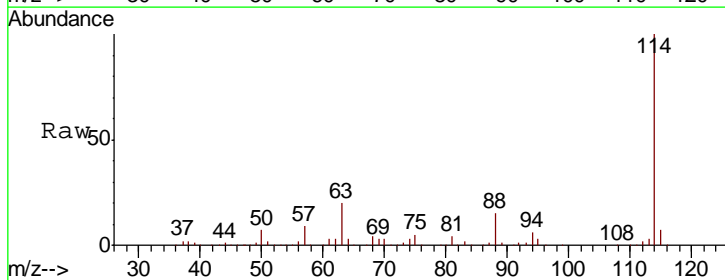
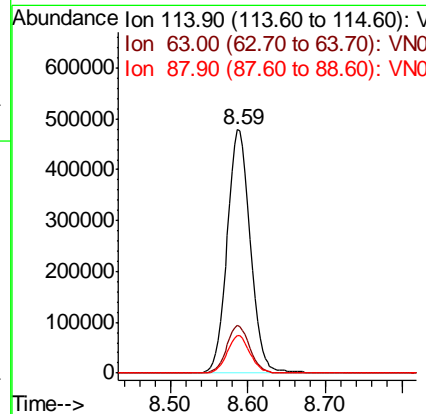
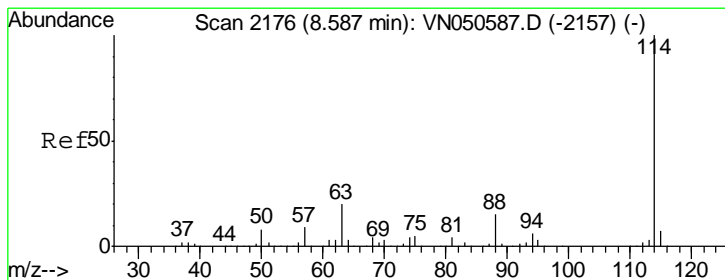
Instrument : MSVOA_N
 ClientSampleId : 947-MW-11(15)

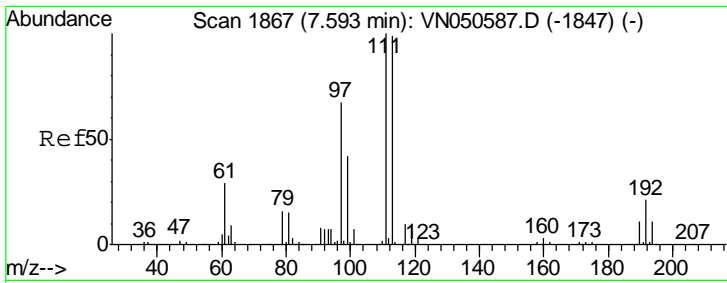
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.5	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	15.2	0.0	30.8

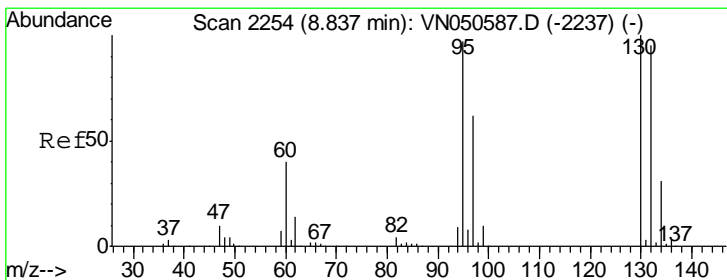
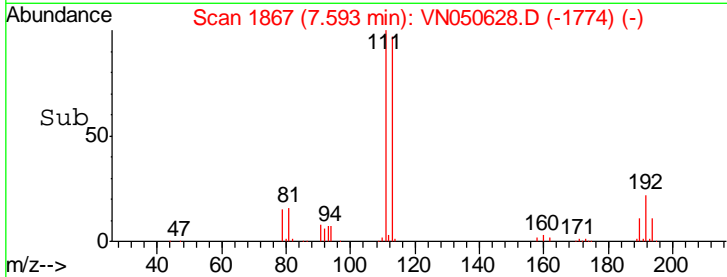
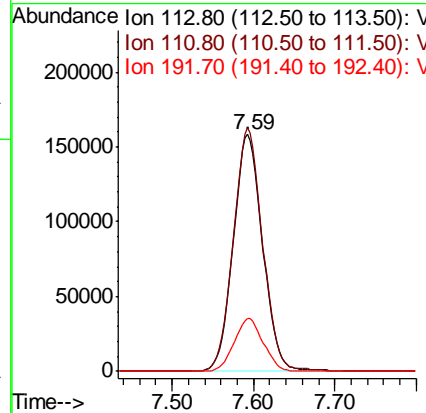
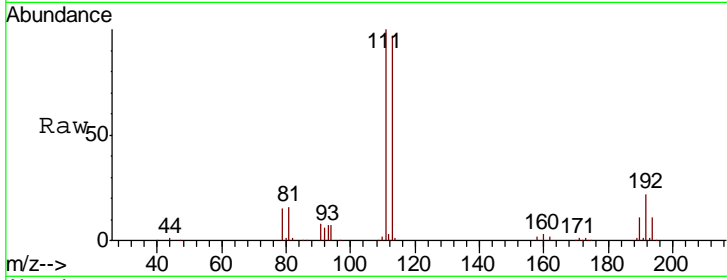




#35
 Dibromofluoromethane
 Concen: 50.06 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

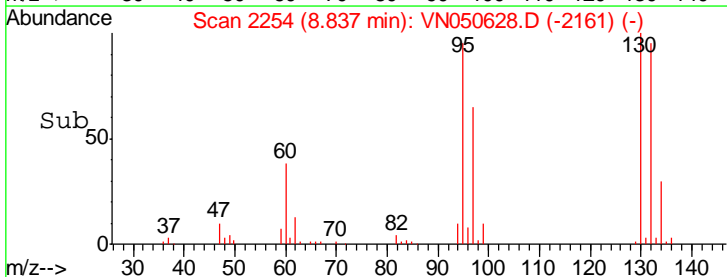
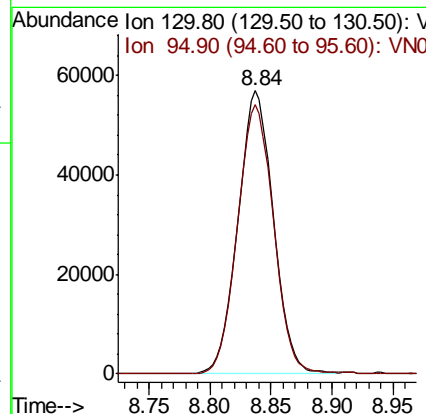
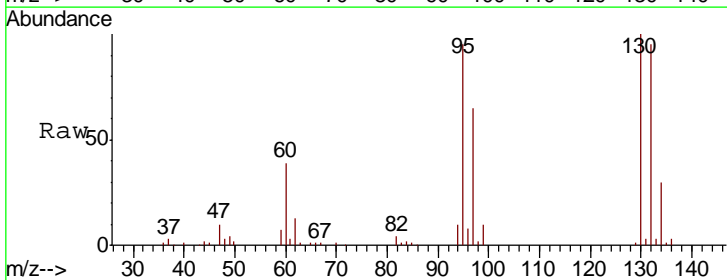
Instrument : MSVOA_N
 ClientSampled : 947-MW-11(15)

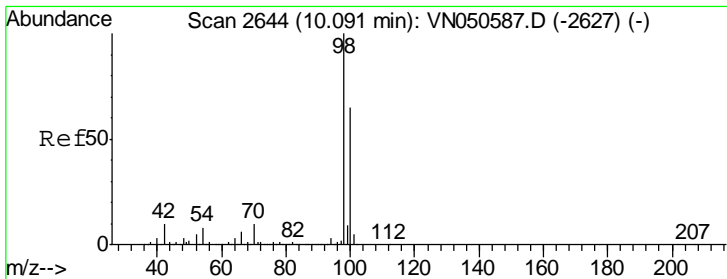
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.3	81.0	121.6
192	22.2	17.6	26.4



#44
 Trichloroethene
 Concen: 12.68 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

Tgt Ion	Resp	Lower	Upper
130	100		
95	95.1	0.0	193.8



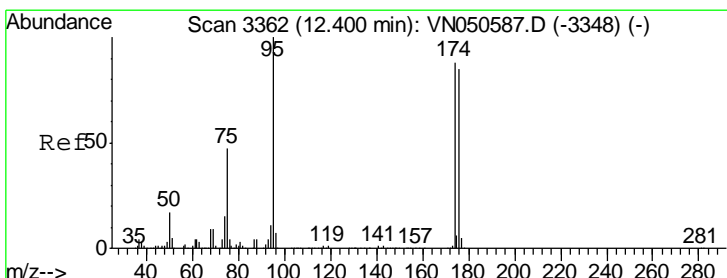
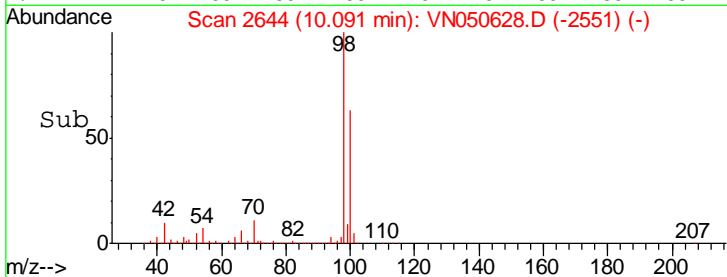
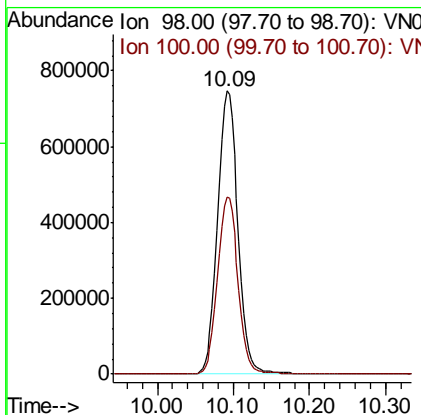
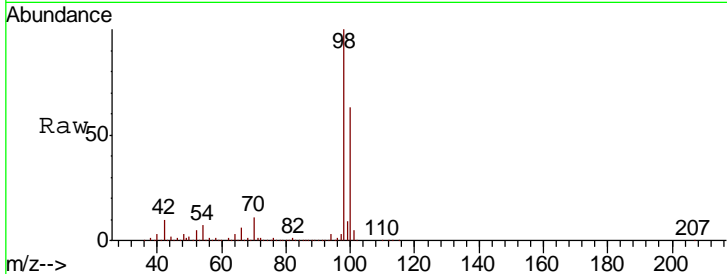


#50
 Toluene-d8
 Concen: 46.40 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

Instrument : MSVOA_N
 ClientSampled : 947-MW-11(15)

Tgt Ion: 98 Resp: 1388481

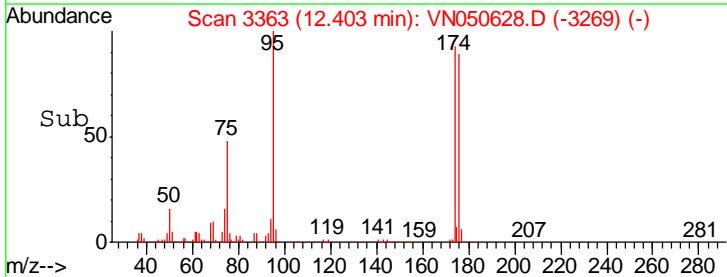
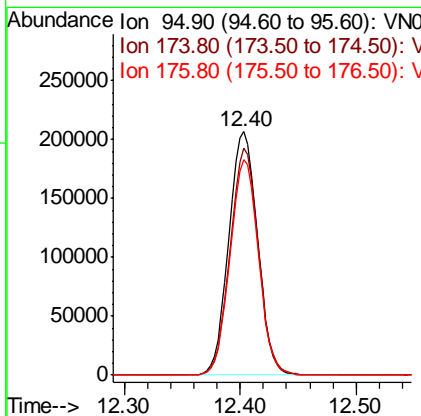
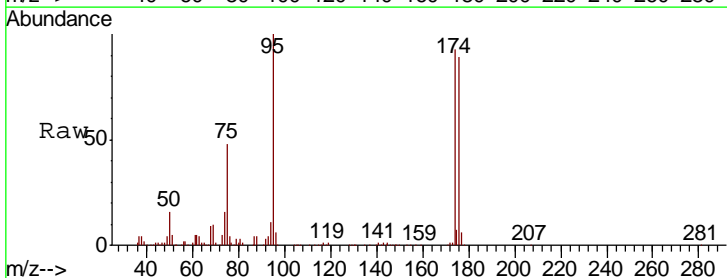
Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.8	77.8

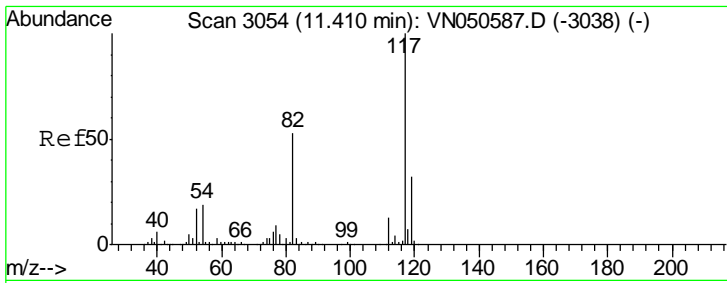


#62
 4-Bromofluorobenzene
 Concen: 35.67 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

Tgt Ion: 95 Resp: 352642

Ion	Ratio	Lower	Upper
95	100		
174	92.0	0.0	177.8
176	87.2	0.0	175.0

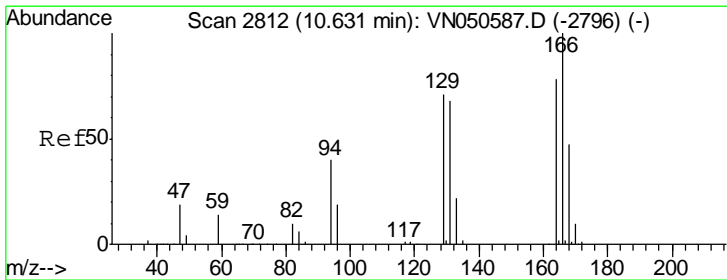
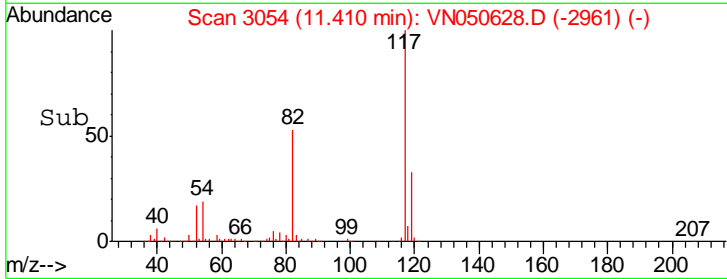
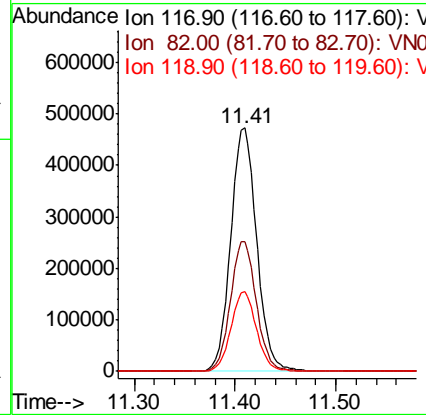
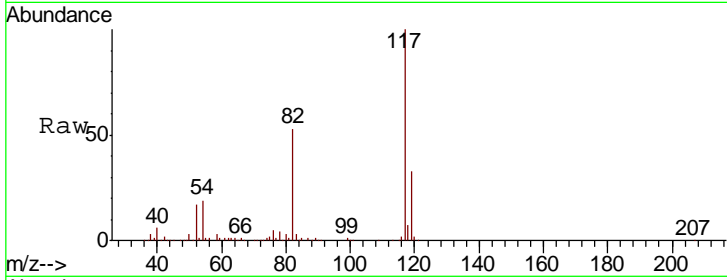




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

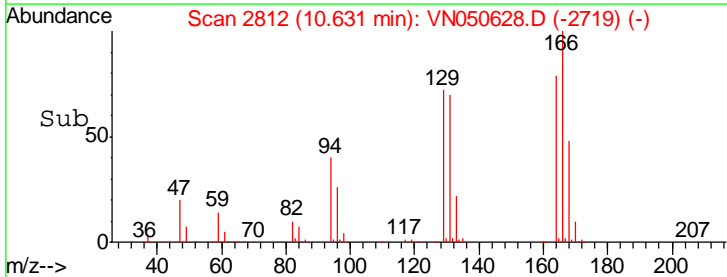
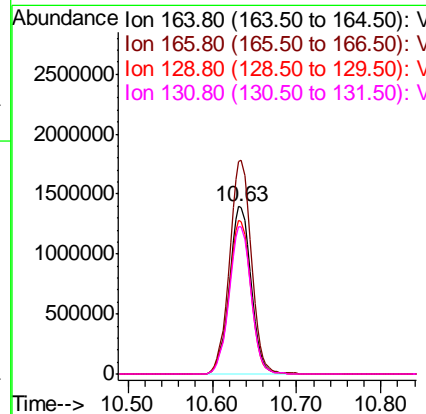
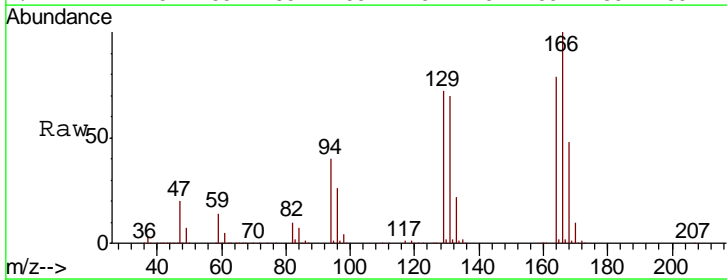
Instrument : MSVOA_N
 ClientSampled : 947-MW-11(15)

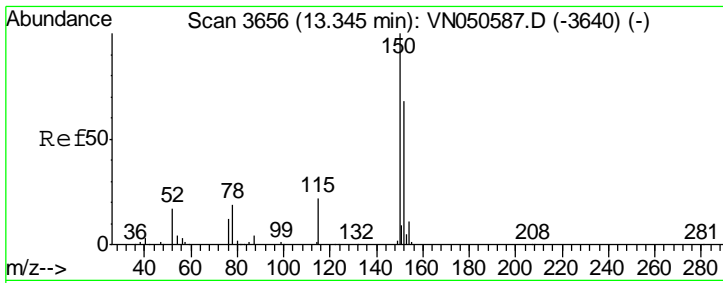
Tgt Ion	Resp	Lower	Upper
117	850173		
82	53.5	42.4	63.6
119	32.7	25.8	38.8



#64
 Tetrachloroethene
 Concen: 315.67 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

Tgt Ion	Resp	Lower	Upper
164	2492381		
166	126.9	102.1	153.1
129	91.9	72.7	109.1
131	88.3	69.9	104.9

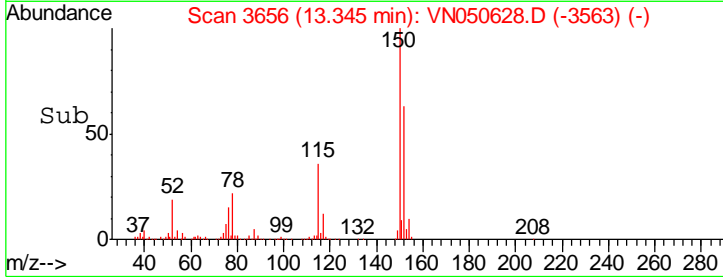
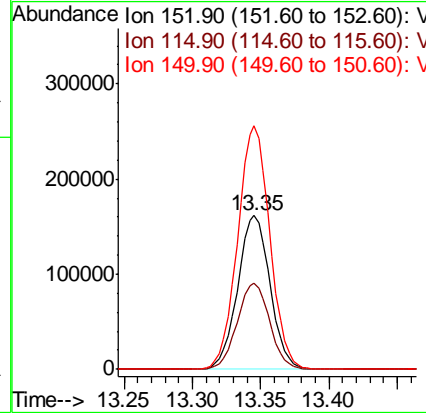
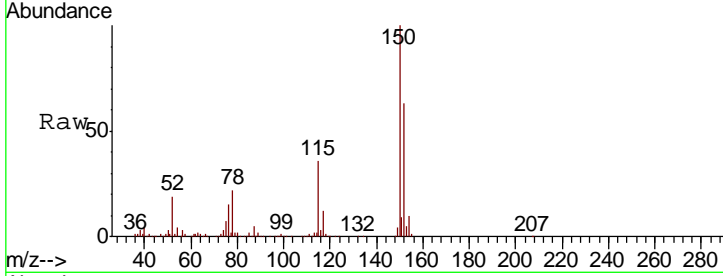




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050628.D
 Acq: 15 Aug 2018 2:42

Instrument : MSVOA_N
 ClientSampled : 947-MW-11(15)

Tot Ion	Resp	Lower	Upper
152	100		
115	56.2	28.1	84.2
150	157.2	0.0	347.8



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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050628.D
 Acq On : 15 Aug 2018 2:42
 Operator : MD\SY
 Sample : J4465-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 947-MW-11(15)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	47	rBV	1352145	2255264	12.66%	6.160%
2	6.831	1610	1630	1656	rBV2	78862	236042	1.33%	0.645%
3	7.593	1846	1867	1879	rBV	521993	1300691	7.30%	3.553%
4	7.667	1879	1890	1920	rVB	733655	1753315	9.84%	4.789%
5	8.030	1985	2003	2026	rBV	492894	1157739	6.50%	3.162%
6	8.587	2160	2176	2206	rBV	1077073	2239449	12.57%	6.117%
7	8.837	2238	2254	2273	rBV	298184	605002	3.40%	1.652%
8	10.091	2629	2644	2687	rBV	1882746	3538046	19.87%	9.663%
9	10.631	2796	2812	2853	rBV	9928949	17809827	100.00%	48.644%
10	11.410	3039	3054	3079	rBV	1351951	2427187	13.63%	6.629%
11	12.403	3349	3363	3382	rBV	1034274	1752231	9.84%	4.786%
12	13.345	3641	3656	3673	rBV	936377	1537736	8.63%	4.200%

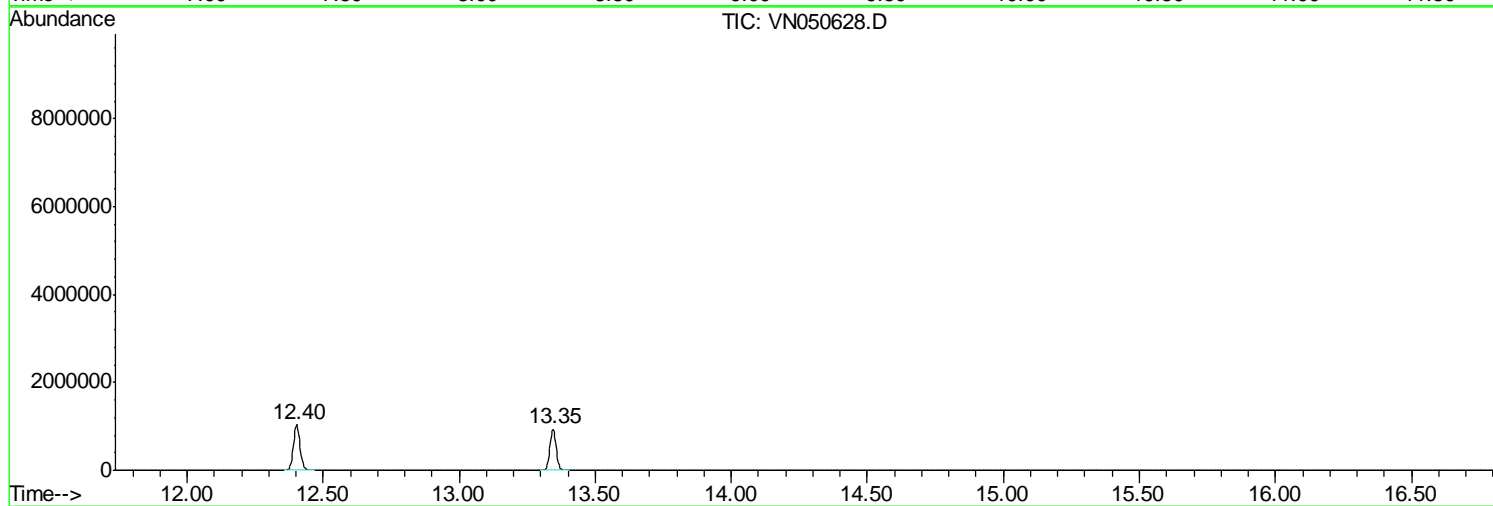
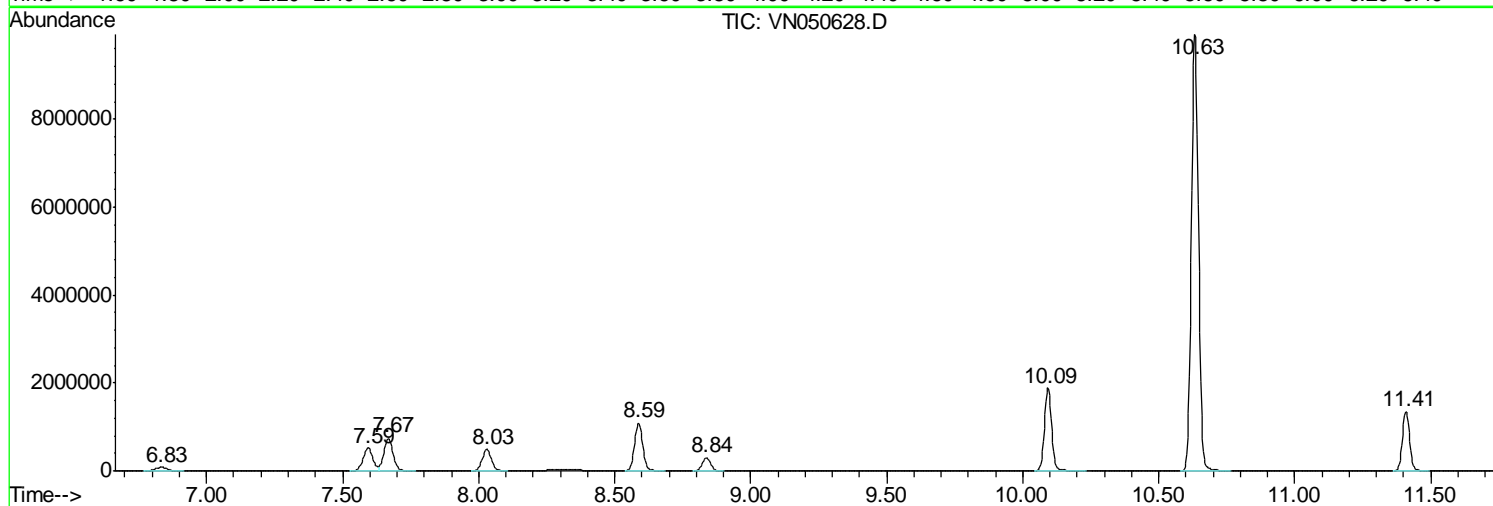
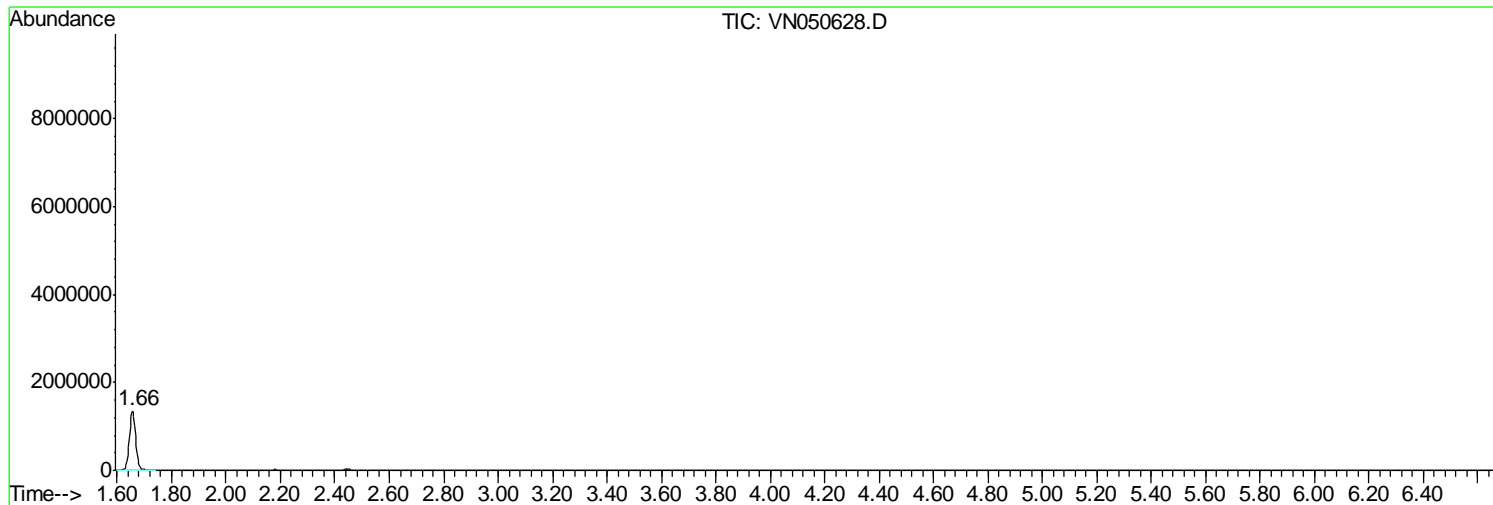
Sum of corrected areas: 36612529

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050628.D
Acq On : 15 Aug 2018 2:42
Operator : MD\SY
Sample : J4465-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
947-MW-11(15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050628.D
Acq On : 15 Aug 2018 2:42
Operator : MD\SY
Sample : J4465-10
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
947-MW-11(15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050628.D
 Acq On : 15 Aug 2018 2:42
 Operator : MD\SY
 Sample : J4465-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 947-MW-11(15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	947-MW-11(15)DL	SDG No.:	J4465
Lab Sample ID:	J4465-10DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050648.D	10		08/15/18 12:20	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10	UD	2	2	10	ug/L
74-87-3	Chloromethane	10	UD	2	2	10	ug/L
75-01-4	Vinyl Chloride	10	UD	2	2	10	ug/L
74-83-9	Bromomethane	10	UD	2	2	10	ug/L
75-00-3	Chloroethane	10	UD	2	5	10	ug/L
75-69-4	Trichlorofluoromethane	10	UD	2	2	10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10	UD	2	2	10	ug/L
75-35-4	1,1-Dichloroethene	10	UD	2	2	10	ug/L
67-64-1	Acetone	50	UD	5	10	50	ug/L
75-15-0	Carbon Disulfide	10	UD	2	2	10	ug/L
1634-04-4	Methyl tert-butyl Ether	10	UD	3.5	5	10	ug/L
79-20-9	Methyl Acetate	10	UD	2	5	10	ug/L
75-09-2	Methylene Chloride	10	UD	2	2	10	ug/L
156-60-5	trans-1,2-Dichloroethene	10	UD	2	2	10	ug/L
75-34-3	1,1-Dichloroethane	10	UD	2	2	10	ug/L
110-82-7	Cyclohexane	10	UD	2	2	10	ug/L
78-93-3	2-Butanone	50	UD	13.2	25	50	ug/L
56-23-5	Carbon Tetrachloride	10	UD	2	2	10	ug/L
156-59-2	cis-1,2-Dichloroethene	7.1	JD	2	2	10	ug/L
74-97-5	Bromochloromethane	10	UD	2	5	10	ug/L
67-66-3	Chloroform	10	UD	2	2	10	ug/L
71-55-6	1,1,1-Trichloroethane	10	UD	2	2	10	ug/L
108-87-2	Methylcyclohexane	10	UD	2	2	10	ug/L
71-43-2	Benzene	10	UD	2	2	10	ug/L
107-06-2	1,2-Dichloroethane	10	UD	2	2	10	ug/L
79-01-6	Trichloroethene	13.5	D	2	2	10	ug/L
78-87-5	1,2-Dichloropropane	10	UD	2	2	10	ug/L
75-27-4	Bromodichloromethane	10	UD	2	2	10	ug/L
108-10-1	4-Methyl-2-Pentanone	50	UD	10	10	50	ug/L
108-88-3	Toluene	10	UD	2	2	10	ug/L
10061-02-6	t-1,3-Dichloropropene	10	UD	2	2	10	ug/L
10061-01-5	cis-1,3-Dichloropropene	10	UD	2	2	10	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	947-MW-11(15)DL	SDG No.:	J4465
Lab Sample ID:	J4465-10DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050648.D	10		08/15/18 12:20	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10	UD	2	2	10	ug/L
591-78-6	2-Hexanone	50	UD	19.4	25	50	ug/L
124-48-1	Dibromochloromethane	10	UD	2	2	10	ug/L
106-93-4	1,2-Dibromoethane	10	UD	2	2	10	ug/L
127-18-4	Tetrachloroethene	280	D	2	2	10	ug/L
108-90-7	Chlorobenzene	10	UD	2	2	10	ug/L
100-41-4	Ethyl Benzene	10	UD	2	2	10	ug/L
179601-23-1	m/p-Xylenes	20	UD	4	4	20	ug/L
95-47-6	o-Xylene	10	UD	2	2	10	ug/L
100-42-5	Styrene	10	UD	2	2	10	ug/L
75-25-2	Bromoform	10	UD	2	2	10	ug/L
98-82-8	Isopropylbenzene	10	UD	2	2	10	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10	UD	2	2	10	ug/L
541-73-1	1,3-Dichlorobenzene	10	UD	2	2	10	ug/L
106-46-7	1,4-Dichlorobenzene	10	UD	2	2	10	ug/L
95-50-1	1,2-Dichlorobenzene	10	UD	2	2	10	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10	UD	2	2	10	ug/L
120-82-1	1,2,4-Trichlorobenzene	10	UD	2	2	10	ug/L
87-61-6	1,2,3-Trichlorobenzene	10	UD	2	2	10	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.1		61 - 141		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		69 - 133		102%	SPK: 50
2037-26-5	Toluene-d8	47.9		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		58 - 135		80%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	622021	7.67				
540-36-3	1,4-Difluorobenzene	962955	8.59				
3114-55-4	Chlorobenzene-d5	866944	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	305433	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	947-MW-11(15)DL	SDG No.:	J4465
Lab Sample ID:	J4465-10DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050648.D	10		08/15/18 12:20	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050648.D
 Acq On : 15 Aug 2018 12:20
 Operator : MD\SY
 Sample : J4465-10DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 947-MW-11(15)DL

Quant Time: Aug 16 02:26:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

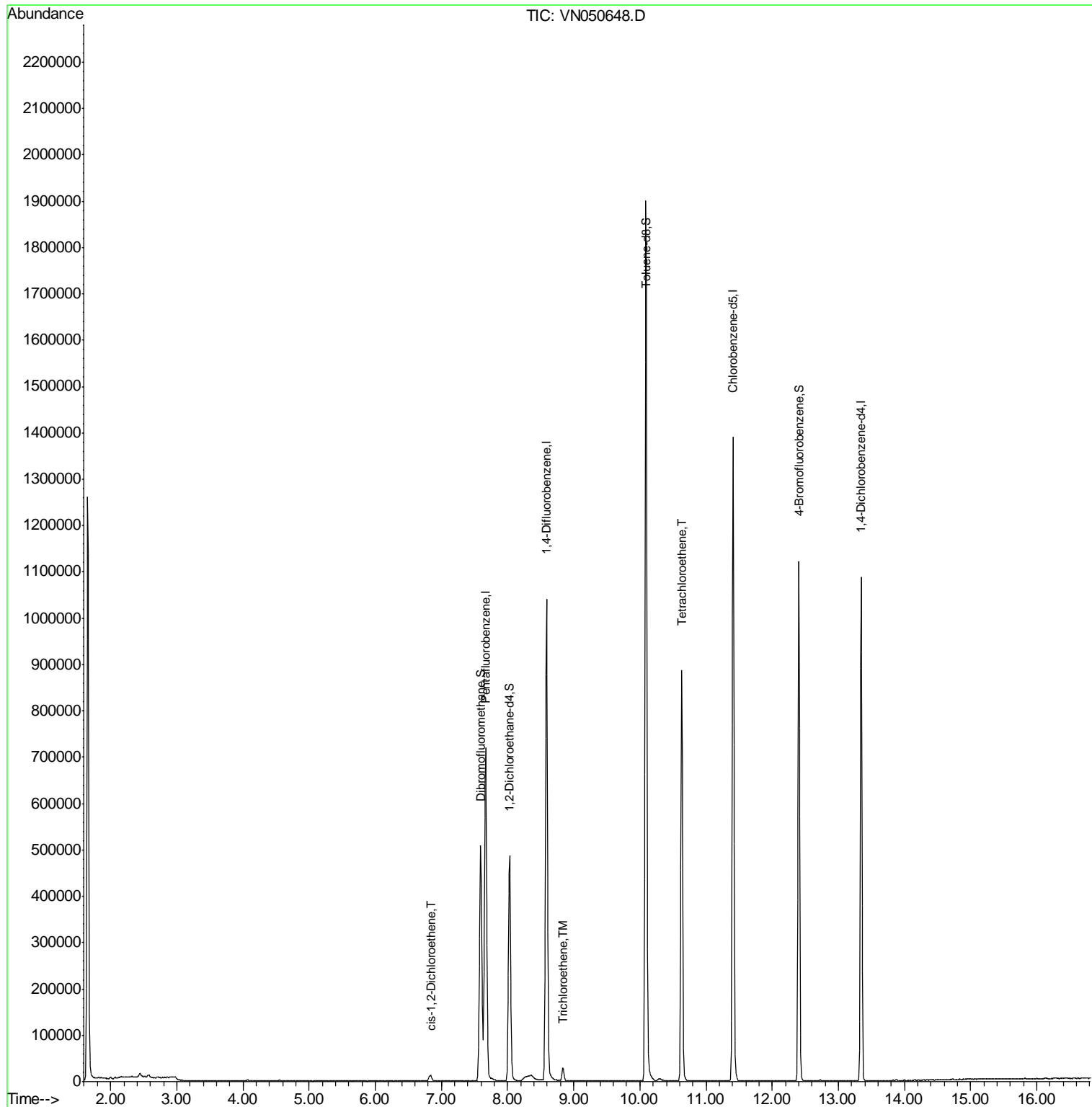
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	622021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	962955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	866944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	305433	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	416136	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
35) Dibromofluoromethane	7.59	113	391155	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.09	98	1387119	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
62) 4-Bromofluorobenzene	12.40	95	380860	39.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.68%	
Target Compounds						
27) cis-1,2-Dichloroethene	6.84	96	5785	0.71	ug/l	37
44) Trichloroethene	8.84	130	11822	1.35	ug/l	95
64) Tetrachloroethene	10.63	164	226424	28.12	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

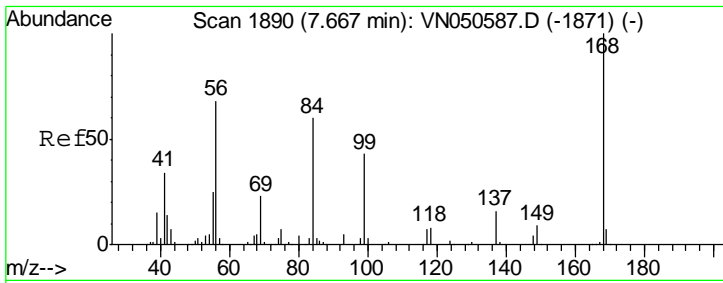
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050648.D
 Acq On : 15 Aug 2018 12:20
 Operator : MD\SY
 Sample : J4465-10DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 947-MW-11(15)DL

Quant Time: Aug 16 02:26:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



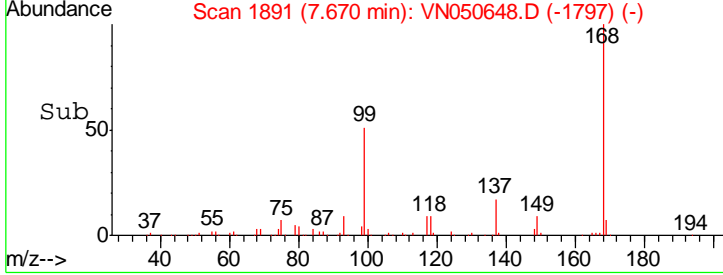
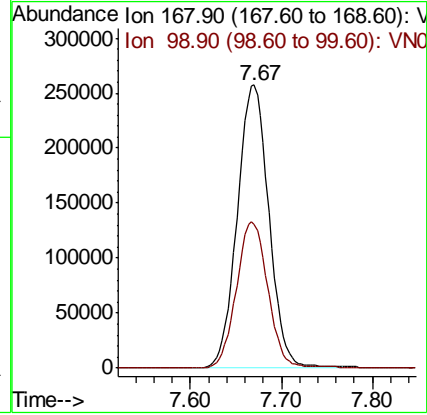
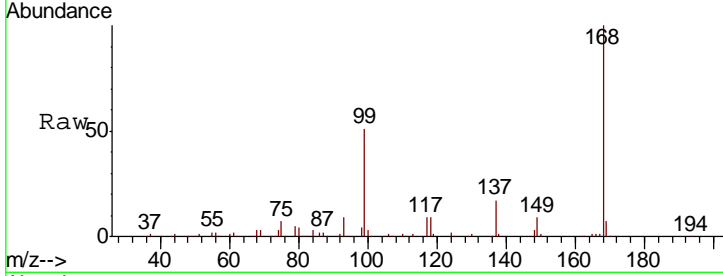
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050648.D
 Acq: 15 Aug 2018 12:20

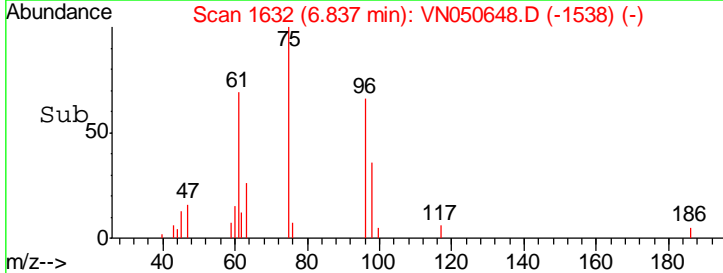
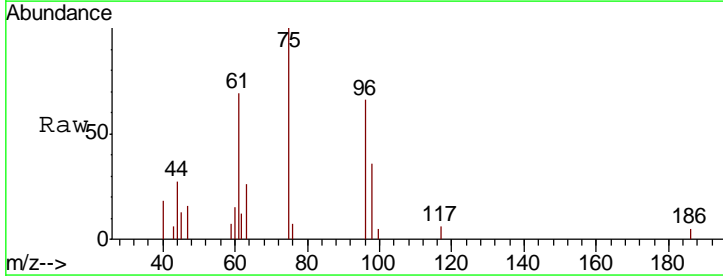
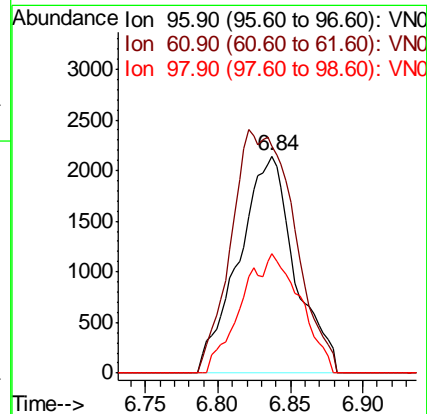
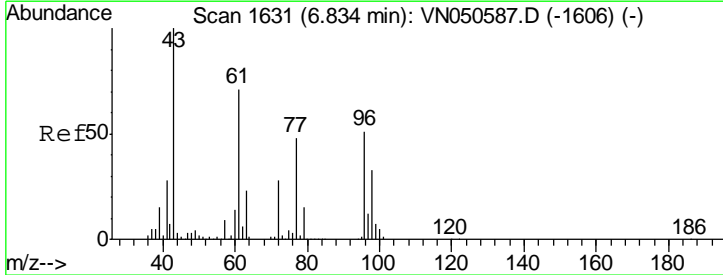
Instrument : MSVOA_N
 ClientSampleId : 947-MW-11(15)DL

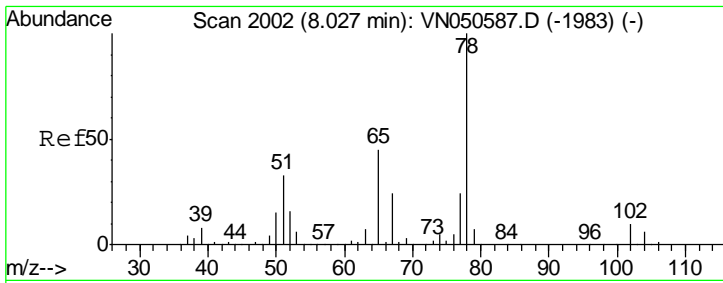
Tgt Ion	Resp	Lower	Upper
168	100		
99	51.0	40.8	61.2



#27
 cis-1,2-Dichloroethene
 Concen: 0.71 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: VN050648.D
 Acq: 15 Aug 2018 12:20

Tgt Ion	Resp	Lower	Upper
96	100		
61	56.8	0.0	278.2
98	24.0	0.0	128.8

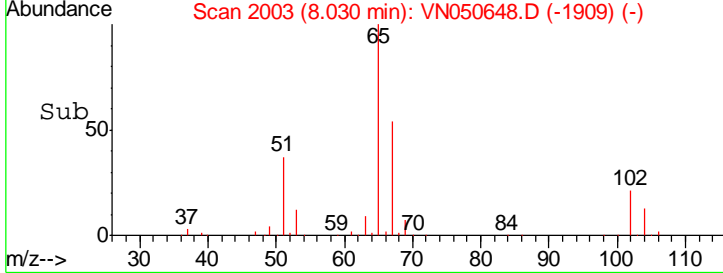
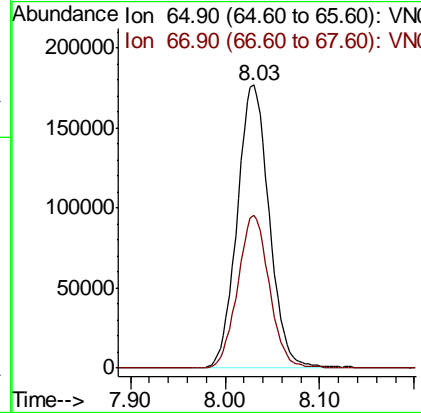
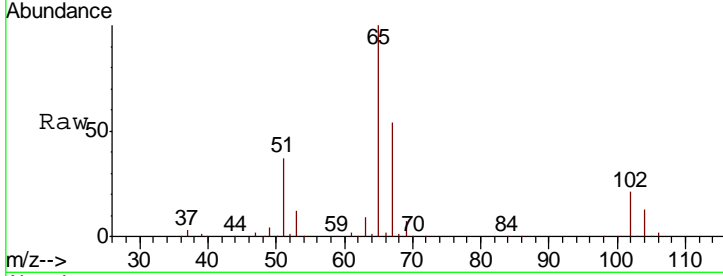




#33
 1,2-Dichloroethane-d4
 Concen: 53.07 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050648.D
 Acq: 15 Aug 2018 12:20

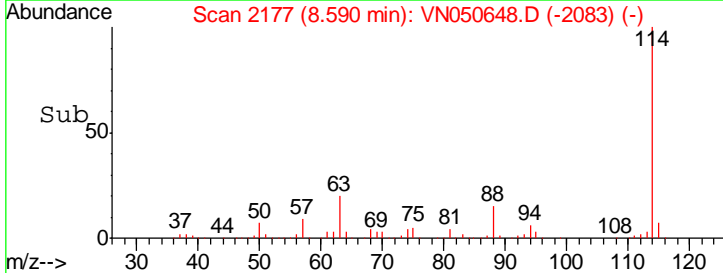
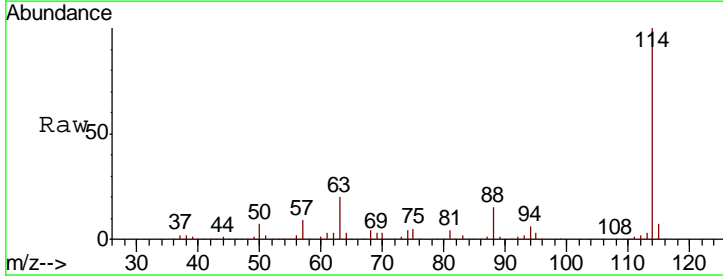
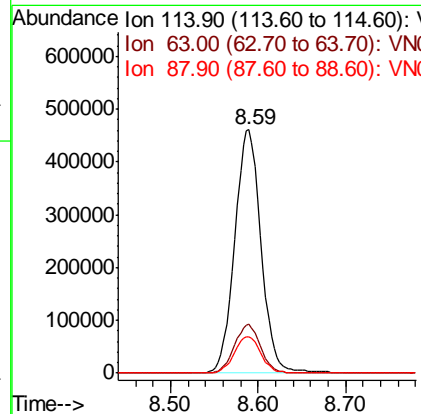
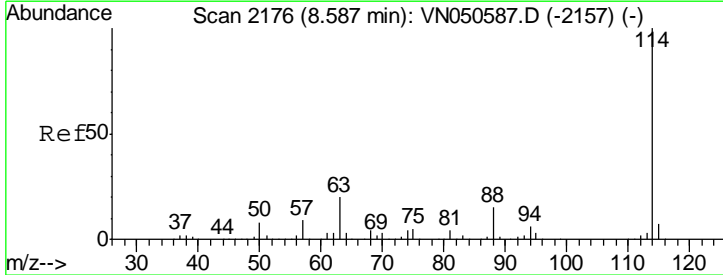
Instrument : MSVOA_N
 ClientSampleId : 947-MW-11(15)DL

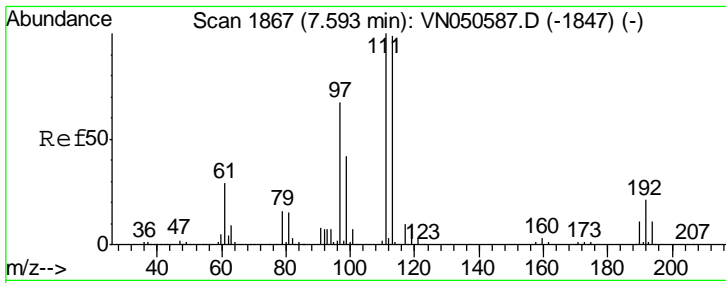
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.5	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050648.D
 Acq: 15 Aug 2018 12:20

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	15.0	0.0	30.8

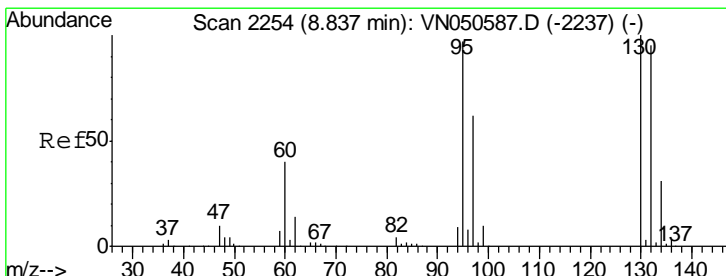
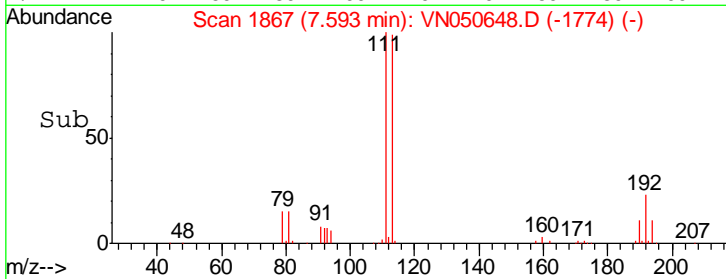
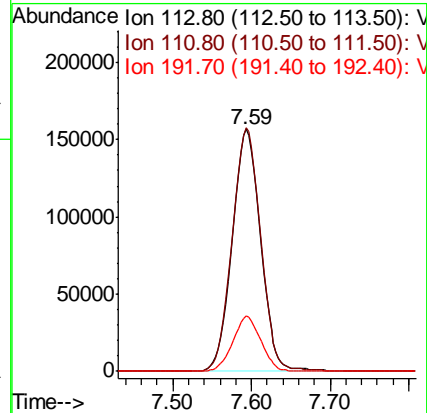
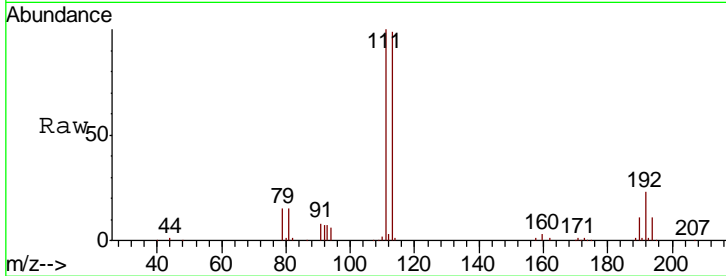




#35
 Dibromofluoromethane
 Concen: 50.88 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050648.D
 Acq: 15 Aug 2018 12:20

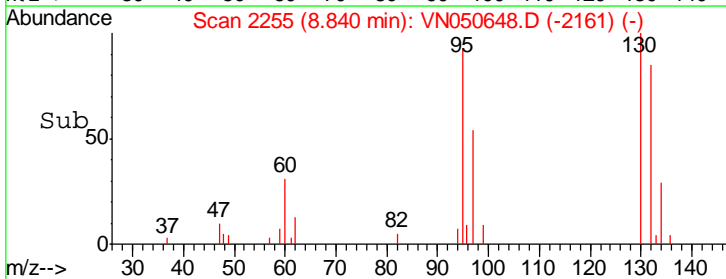
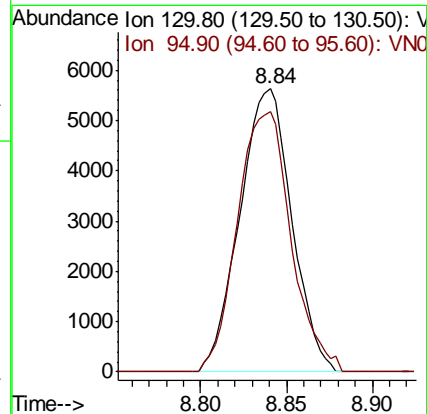
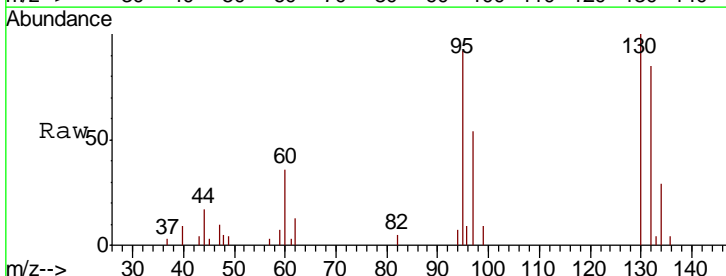
Instrument : MSVOA_N
 ClientSampleId : 947-MW-11(15)DL

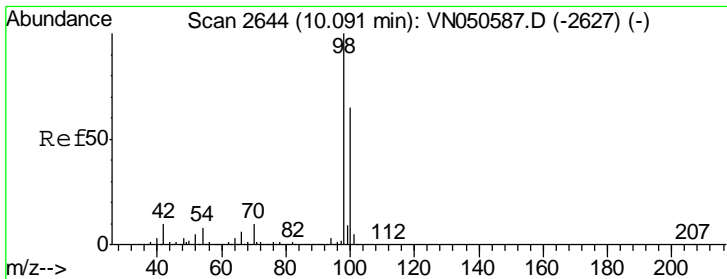
Tgt Ion	Resp	Lower	Upper
113	100		
111	101.2	81.0	121.6
192	22.5	17.6	26.4



#44
 Trichloroethene
 Concen: 1.35 ug/l
 RT: 8.84 min Scan# 2255
 Delta R.T. 0.00 min
 Lab File: VN050648.D
 Acq: 15 Aug 2018 12:20

Tgt Ion	Resp	Lower	Upper
130	100		
95	91.8	0.0	193.8

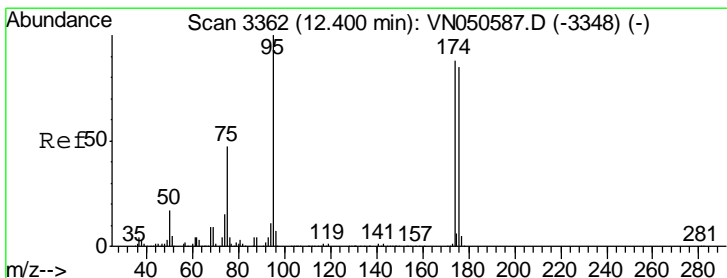
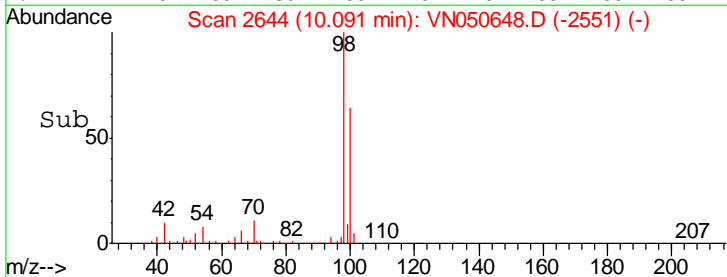
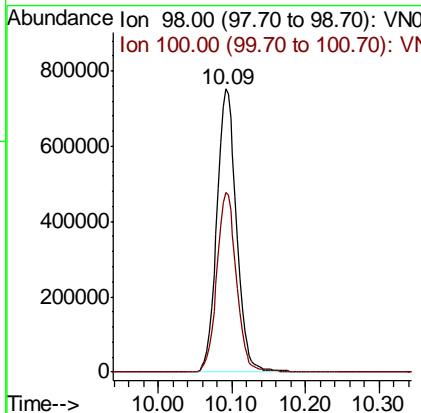
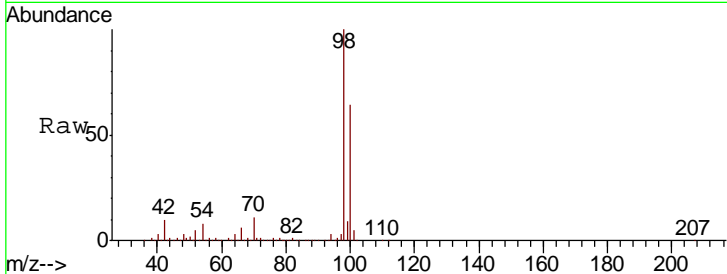




#50
 Toluene-d8
 Concen: 47.94 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050648.D
 Acq: 15 Aug 2018 12:20

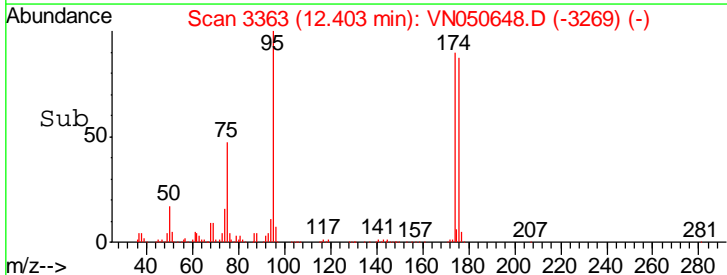
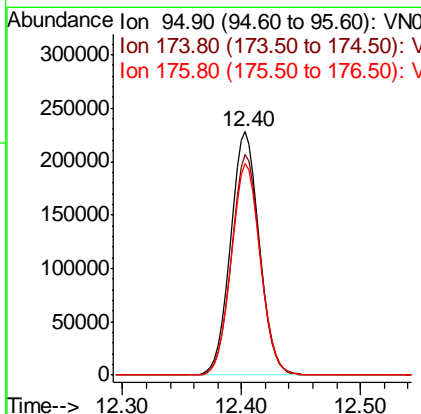
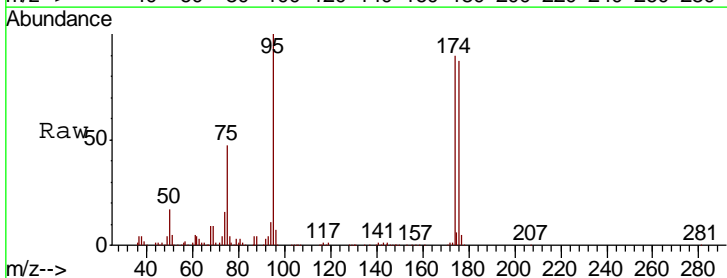
Instrument : MSVOA_N
 ClientSampled : 947-MW-11(15)DL

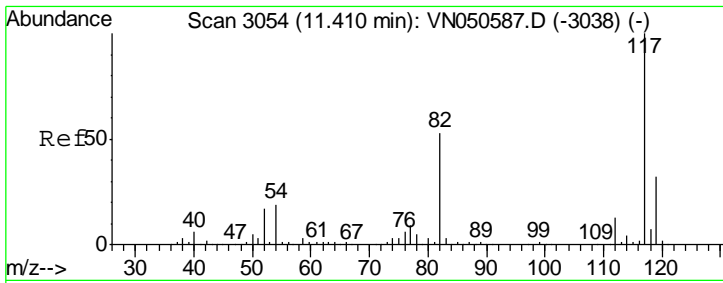
Tgt Ion	Resp	Lower	Upper
98	1387119		
98	100		
100	63.5	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 39.84 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050648.D
 Acq: 15 Aug 2018 12:20

Tgt Ion	Resp	Lower	Upper
95	380860		
95	100		
174	90.5	0.0	177.8
176	87.7	0.0	175.0

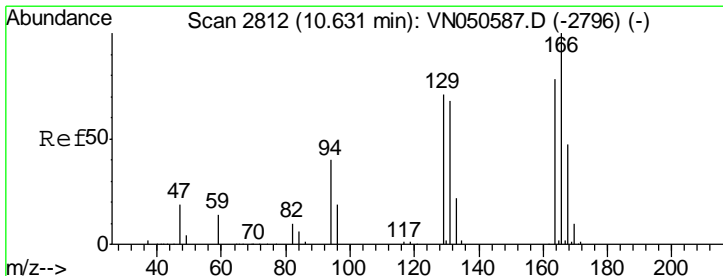
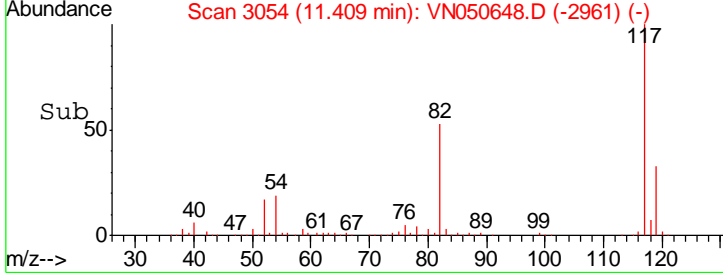
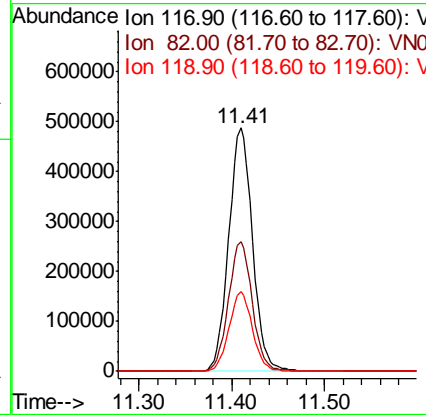
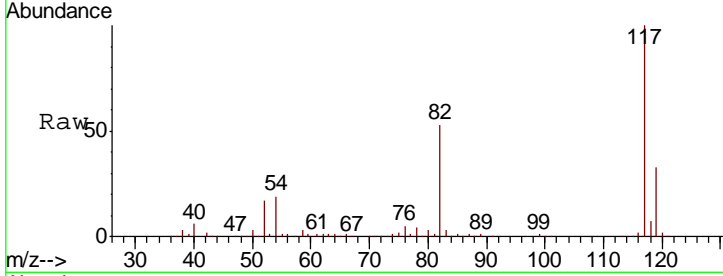




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050648.D
 Acq: 15 Aug 2018 12:20

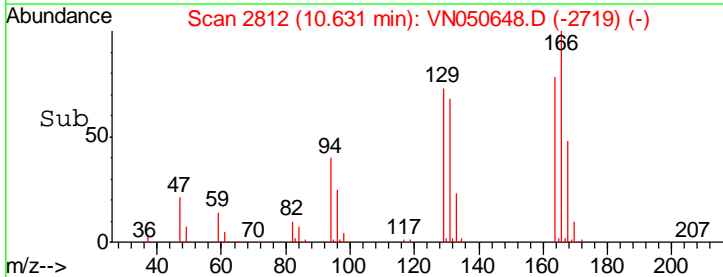
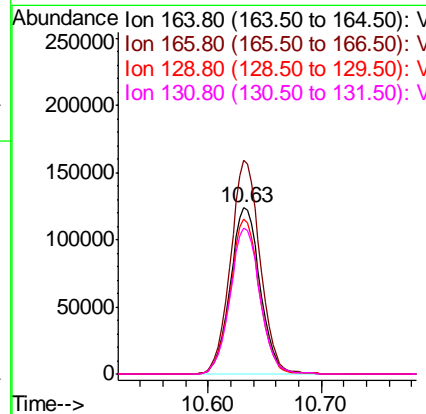
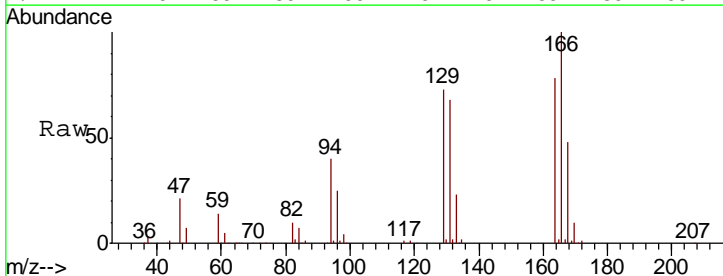
Instrument : MSVOA_N
 ClientSampled : 947-MW-11(15)DL

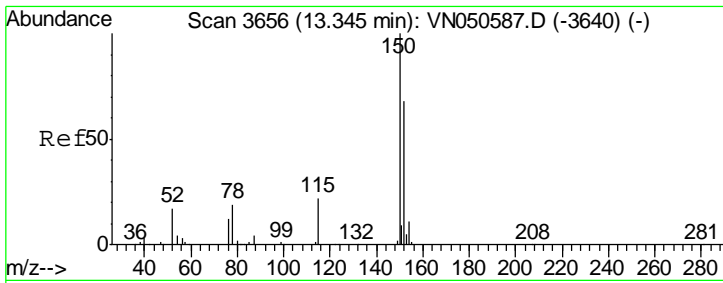
Tgt Ion	Resp	Lower	Upper
117	100		
82	53.3	42.4	63.6
119	32.5	25.8	38.8



#64
 Tetrachloroethene
 Concen: 28.12 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050648.D
 Acq: 15 Aug 2018 12:20

Tgt Ion	Resp	Lower	Upper
164	100		
166	128.7	102.1	153.1
129	93.4	72.7	109.1
131	87.8	69.9	104.9

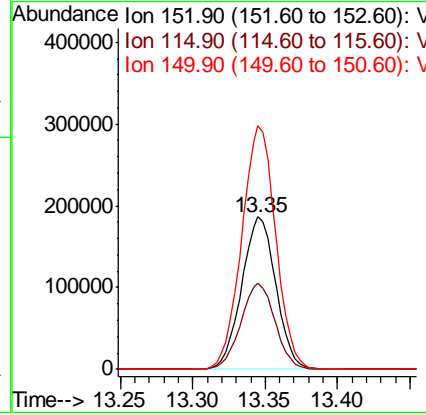
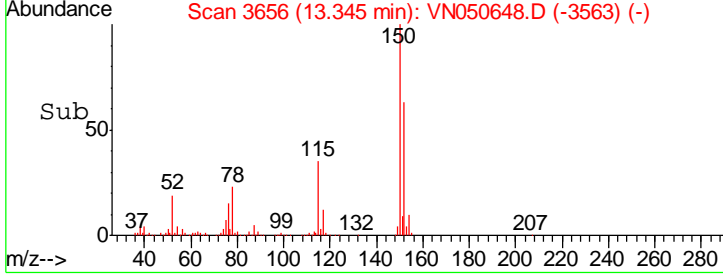
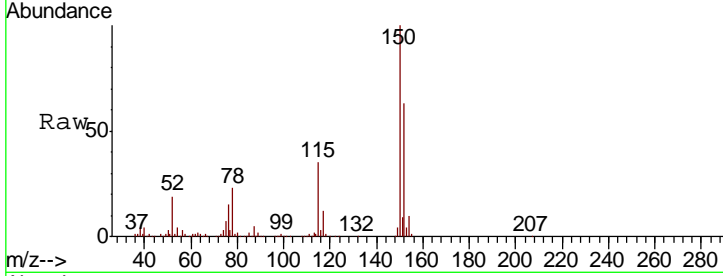




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050648.D
 Acq: 15 Aug 2018 12:20

Instrument : MSVOA_N
 ClientSampled : 947-MW-11(15)DL

Tot Ion	Resp	Lower	Upper
152	100		
115	56.3	28.1	84.2
150	158.8	0.0	347.8



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- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	948-MW-15(17)	SDG No.:	J4465
Lab Sample ID:	J4465-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050656.D	1		08/15/18 15:38	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	0.29	J	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	948-MW-15(17)	SDG No.:	J4465
Lab Sample ID:	J4465-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050656.D	1		08/15/18 15:38	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	5.6		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53		61 - 141		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		69 - 133		102%	SPK: 50
2037-26-5	Toluene-d8	47.4		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.7		58 - 135		75%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	616259	7.67				
540-36-3	1,4-Difluorobenzene	955679	8.59				
3114-55-4	Chlorobenzene-d5	823004	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	278997	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	948-MW-15(17)	SDG No.:	J4465
Lab Sample ID:	J4465-11	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050656.D	1		08/15/18 15:38	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050656.D
 Acq On : 15 Aug 2018 15:38
 Operator : MD\SY
 Sample : J4465-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

Quant Time: Aug 16 13:44:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	616259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	955679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	823004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	278997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	411861	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	7.59	113	387627	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	10.09	98	1361030	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
62) 4-Bromofluorobenzene	12.40	95	357276	37.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.32%	

Target Compounds

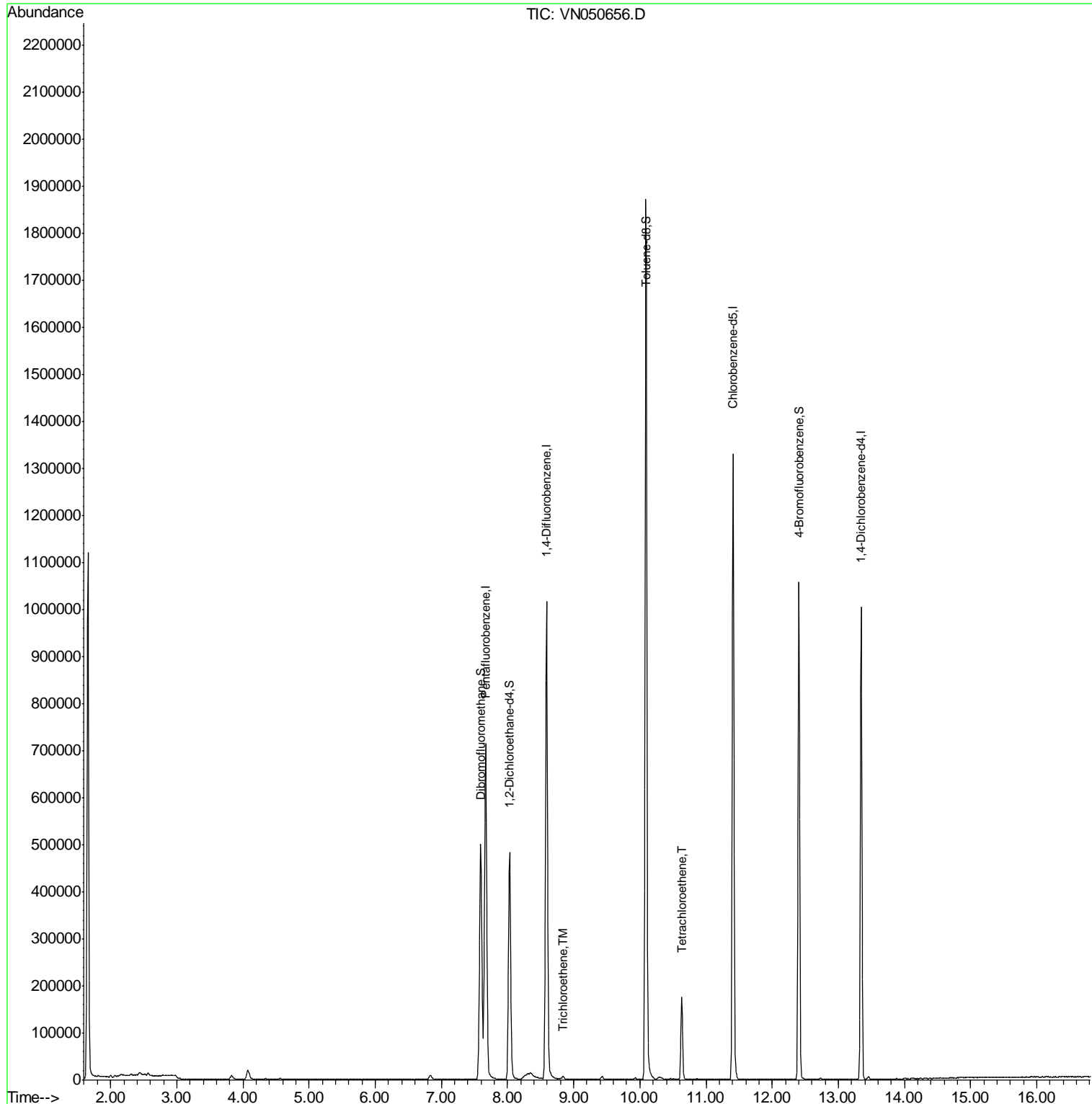
						Qvalue
44) Trichloroethene	8.84	130	2516	0.29	ug/l	97
64) Tetrachloroethene	10.63	164	42991	5.62	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

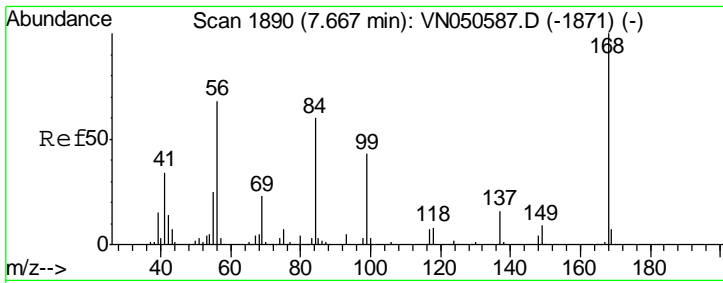
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050656.D
 Acq On : 15 Aug 2018 15:38
 Operator : MD\SY
 Sample : J4465-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

Quant Time: Aug 16 13:44:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



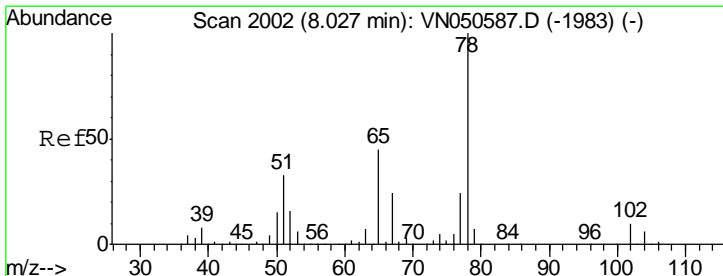
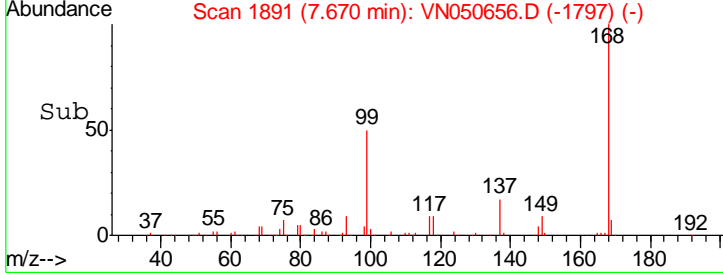
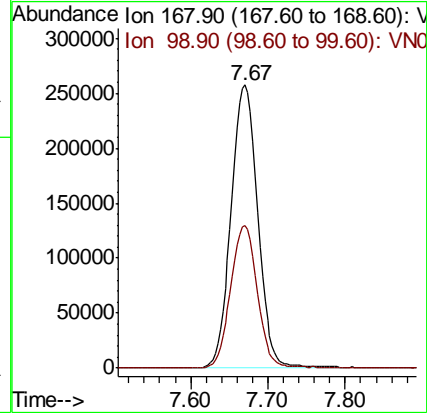
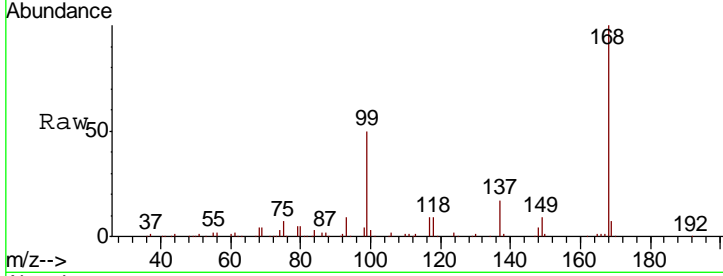
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050656.D
 Acq: 15 Aug 2018 15:38

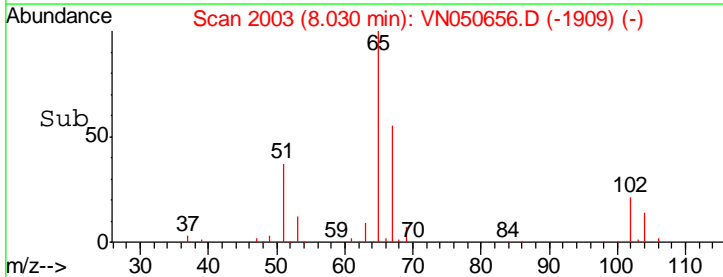
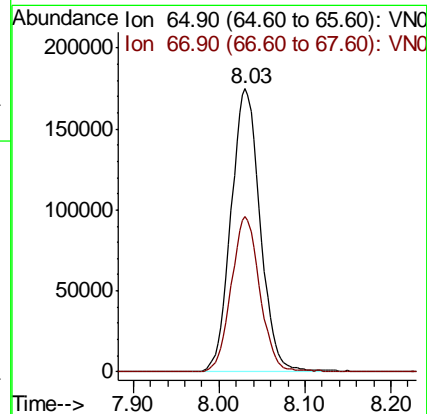
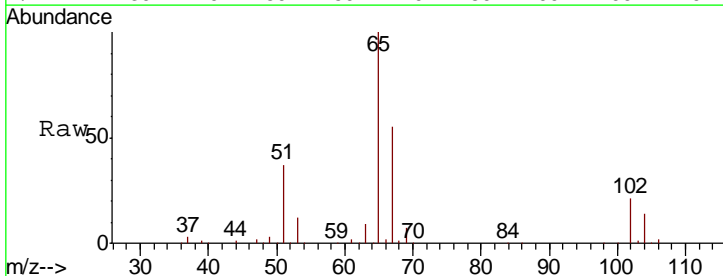
Instrument : MSVOA_N
 ClientSampleId : 948-MW-15(17)

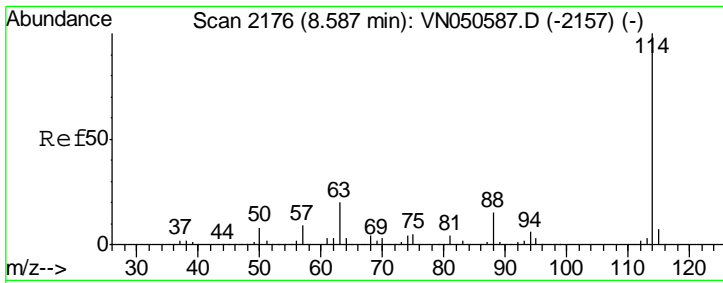
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.4	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.02 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050656.D
 Acq: 15 Aug 2018 15:38

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.7	0.0	109.8

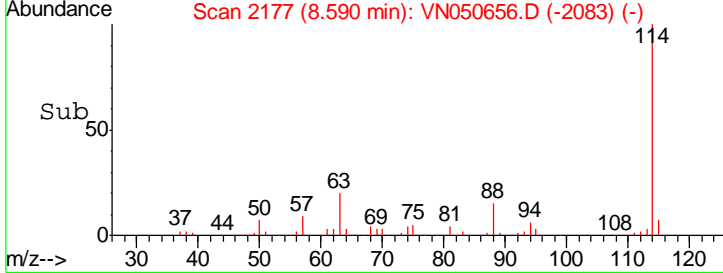
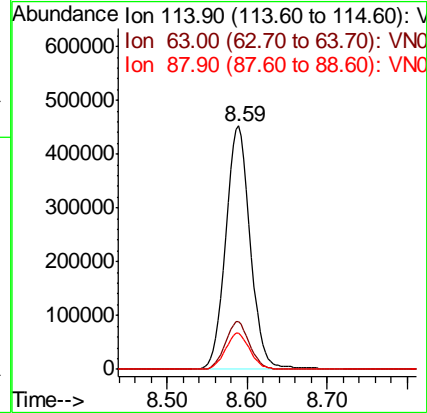
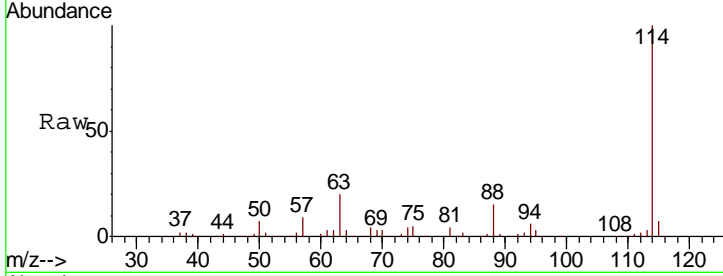




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050656.D
 Acq: 15 Aug 2018 15:38

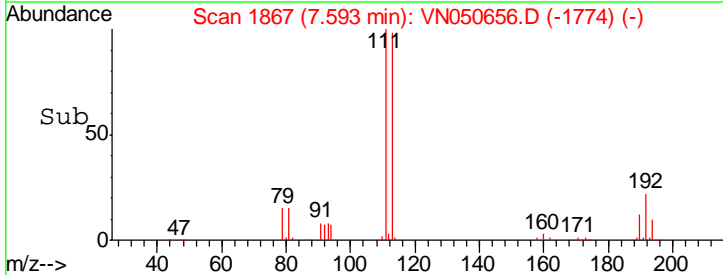
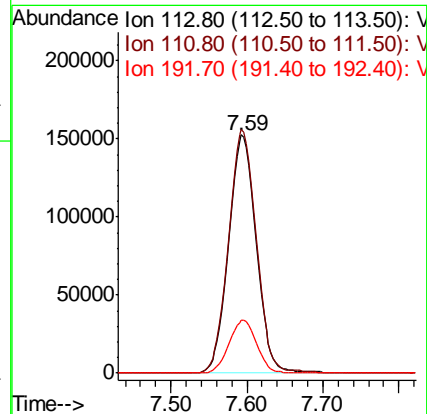
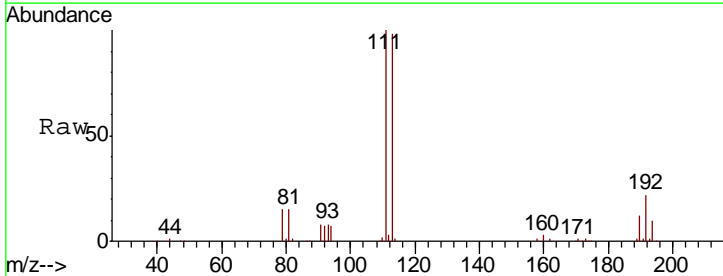
Instrument : MSVOA_N
 ClientSampleId : 948-MW-15(17)

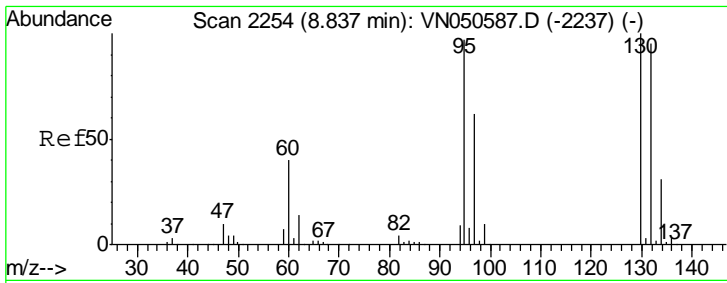
Tgt Ion	Resp	Lower	Upper
114	955679		
63	19.6	0.0	40.0
88	14.7	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 50.80 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050656.D
 Acq: 15 Aug 2018 15:38

Tgt Ion	Resp	Lower	Upper
113	387627		
111	102.6	81.0	121.6
192	22.2	17.6	26.4

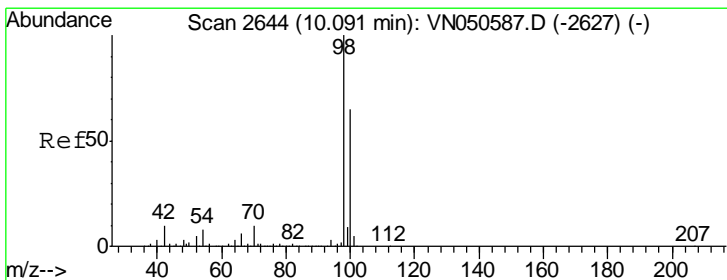
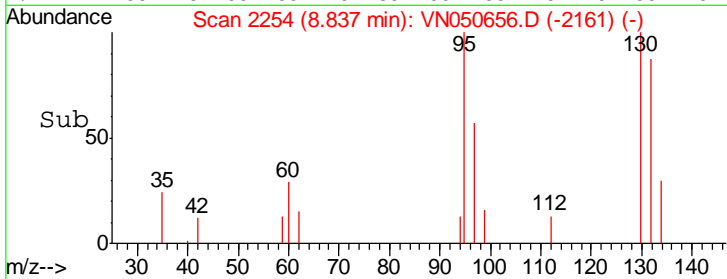
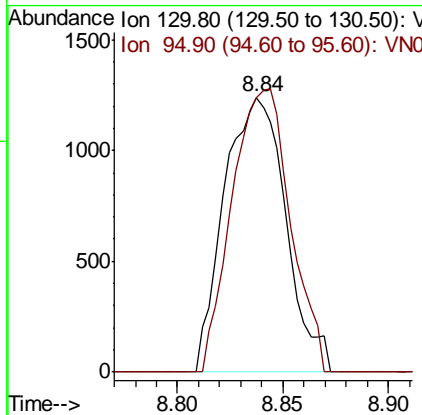
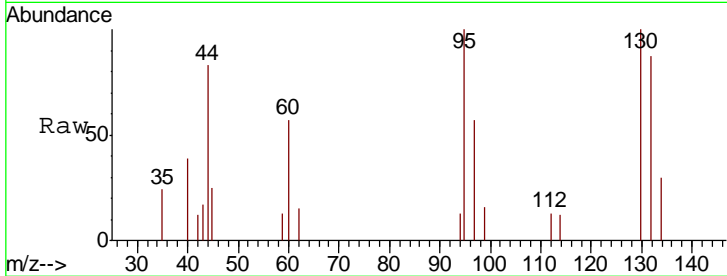




#44
 Trichloroethene
 Concen: 0.29 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050656.D
 Acq: 15 Aug 2018 15:38

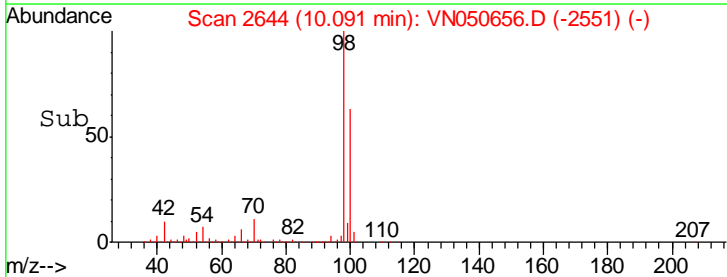
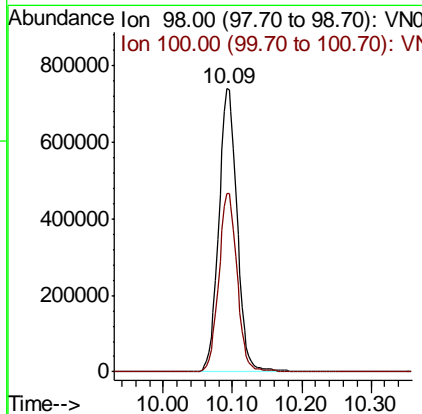
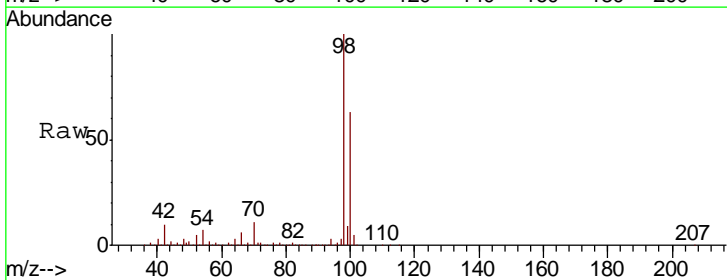
Instrument : MSVOA_N
 ClientSampled : 948-MW-15(17)

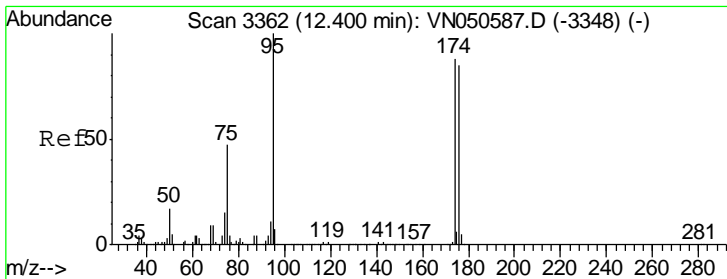
Tgt Ion	Resp	Lower	Upper
130	100		
95	99.9	0.0	193.8



#50
 Toluene-d8
 Concen: 47.40 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050656.D
 Acq: 15 Aug 2018 15:38

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.0	51.8	77.8

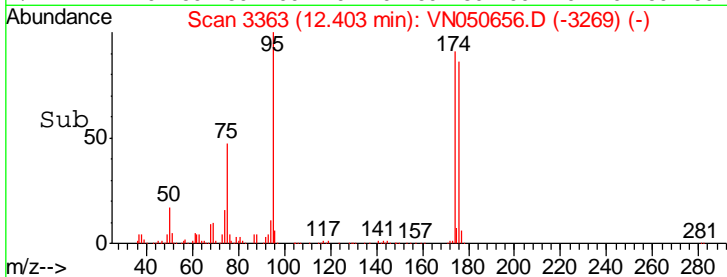
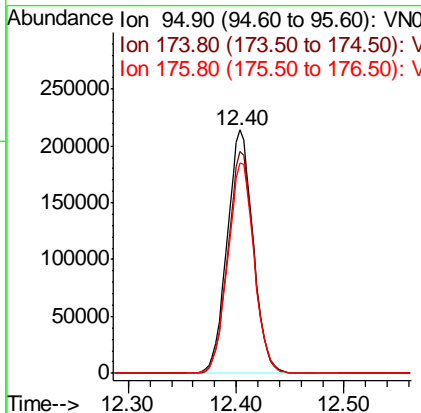
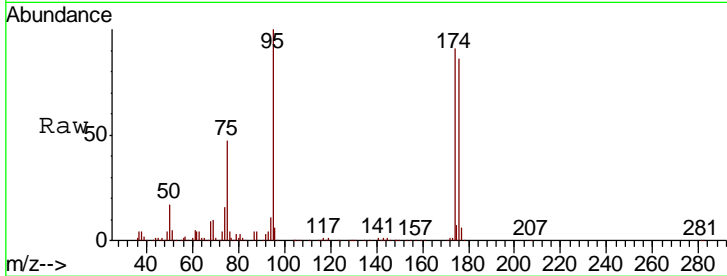




#62
 4-Bromofluorobenzene
 Concen: 37.66 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050656.D
 Acq: 15 Aug 2018 15:38

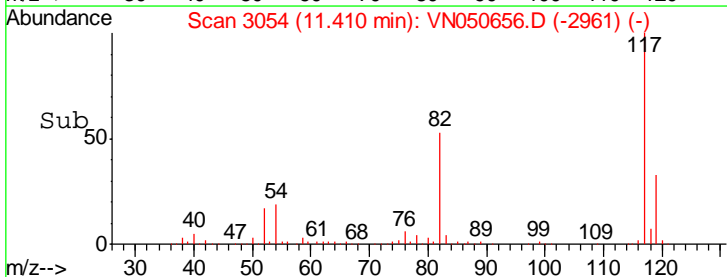
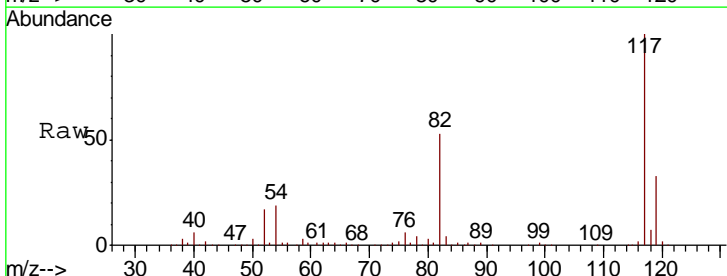
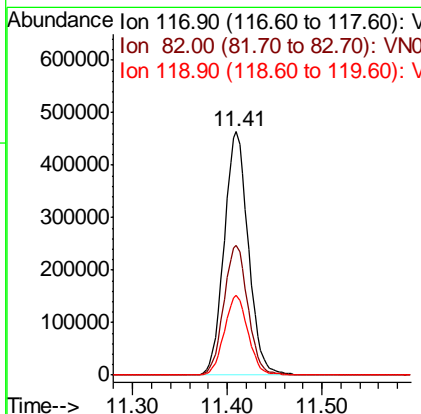
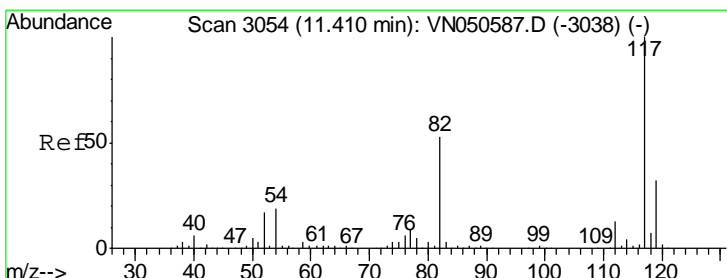
Instrument : MSVOA_N
 Client Sampled : 948-MW-15(17)

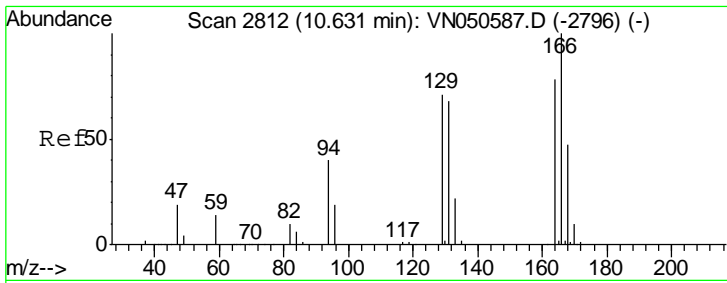
Tgt Ion	Resp	Lower	Upper
95	100		
174	92.0	0.0	177.8
176	87.9	0.0	175.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050656.D
 Acq: 15 Aug 2018 15:38

Tgt Ion	Resp	Lower	Upper
117	100		
82	53.4	42.4	63.6
119	32.7	25.8	38.8

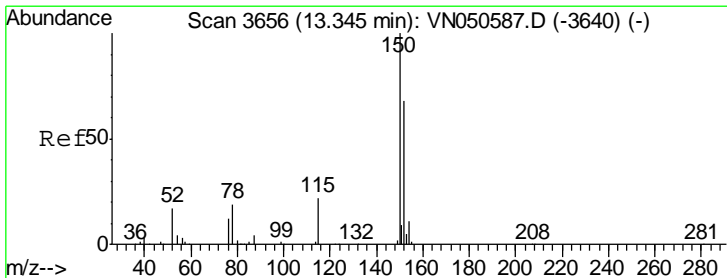
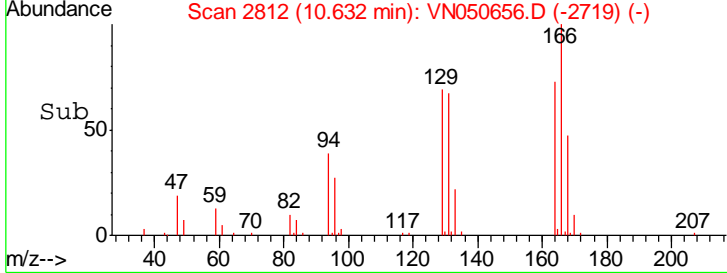
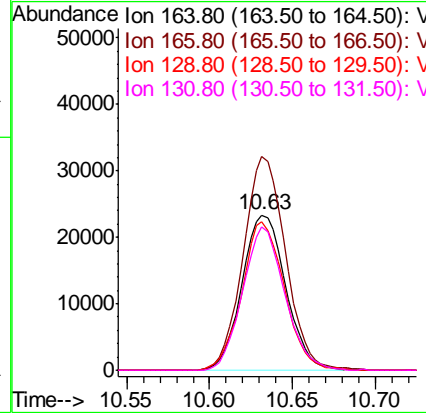
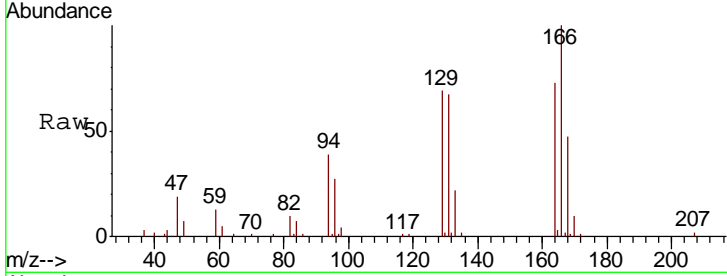




#64
 Tetrachloroethene
 Concen: 5.62 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050656.D
 Acq: 15 Aug 2018 15:38

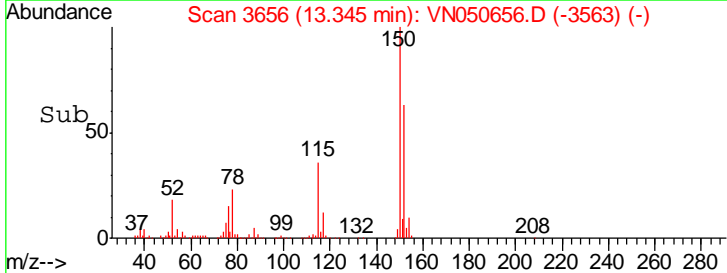
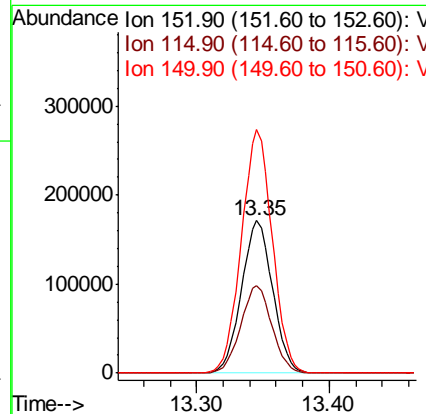
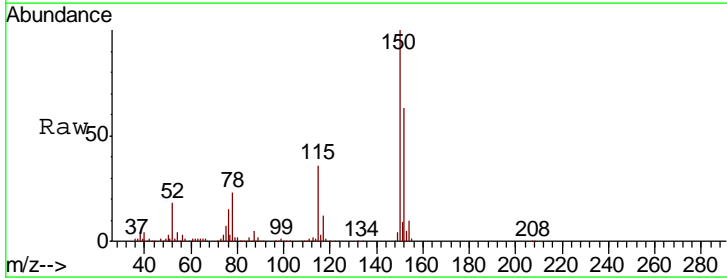
Instrument : MSVOA_N
 ClientSampled : 948-MW-15(17)

Tgt Ion	Resp	Lower	Upper
164	100		
166	137.6	102.1	153.1
129	95.6	72.7	109.1
131	92.1	69.9	104.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050656.D
 Acq: 15 Aug 2018 15:38

Tgt Ion	Resp	Lower	Upper
152	100		
115	57.3	28.1	84.2
150	158.8	0.0	347.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050656.D
 Acq On : 15 Aug 2018 15:38
 Operator : MD\SY
 Sample : J4465-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	48	rBV	1119414	1867150	53.91%	10.535%
2	4.076	754	773	790	rBV	19157	56151	1.62%	0.317%
3	7.593	1848	1867	1879	rBV2	499730	1260408	36.39%	7.111%
4	7.670	1879	1891	1924	rVB	712045	1701163	49.12%	9.598%
5	8.030	1986	2003	2030	rBV	482466	1128676	32.59%	6.368%
6	8.590	2160	2177	2217	rBV	1013493	2154487	62.21%	12.156%
7	10.091	2626	2644	2674	rBV	1870421	3463399	100.00%	19.541%
8	10.632	2799	2812	2832	rVB2	174761	313418	9.05%	1.768%
9	11.410	3038	3054	3079	rBV	1330382	2360320	68.15%	13.317%
10	12.403	3349	3363	3384	rBV	1056810	1782406	51.46%	10.057%
11	13.345	3639	3656	3673	rBV	1003305	1636325	47.25%	9.232%

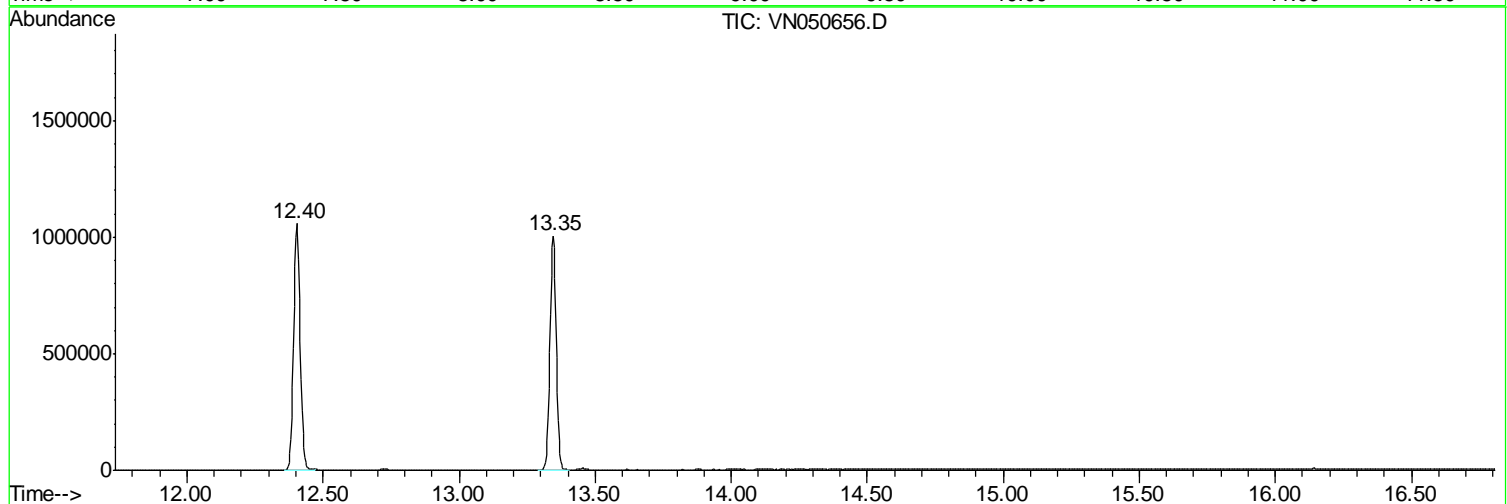
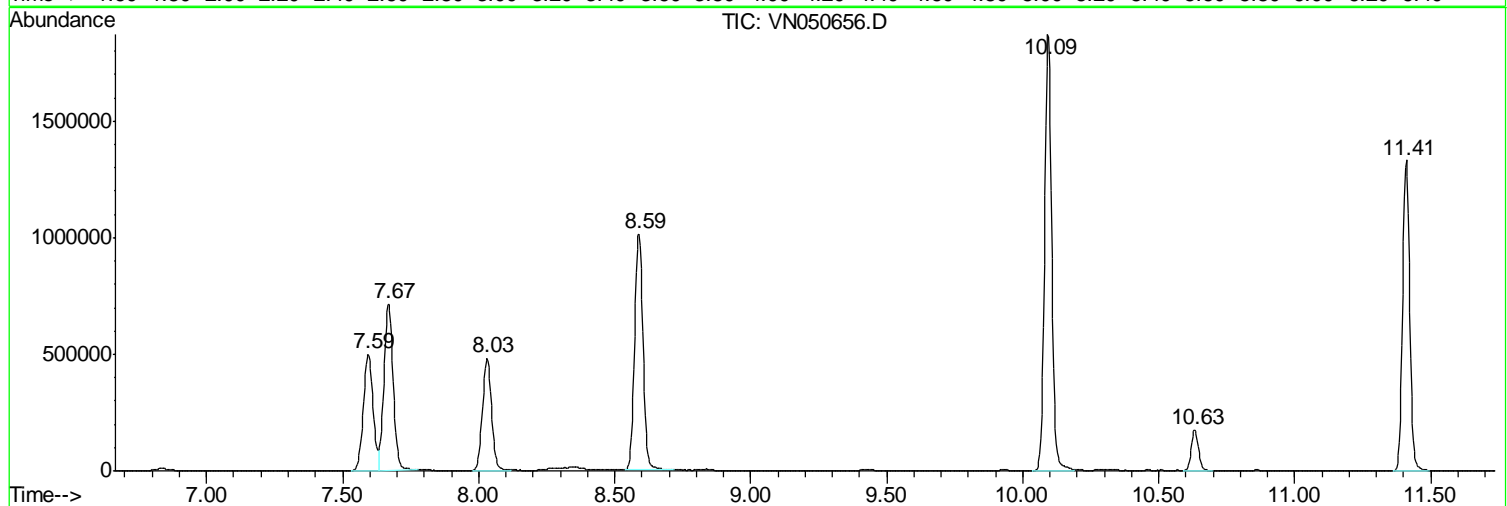
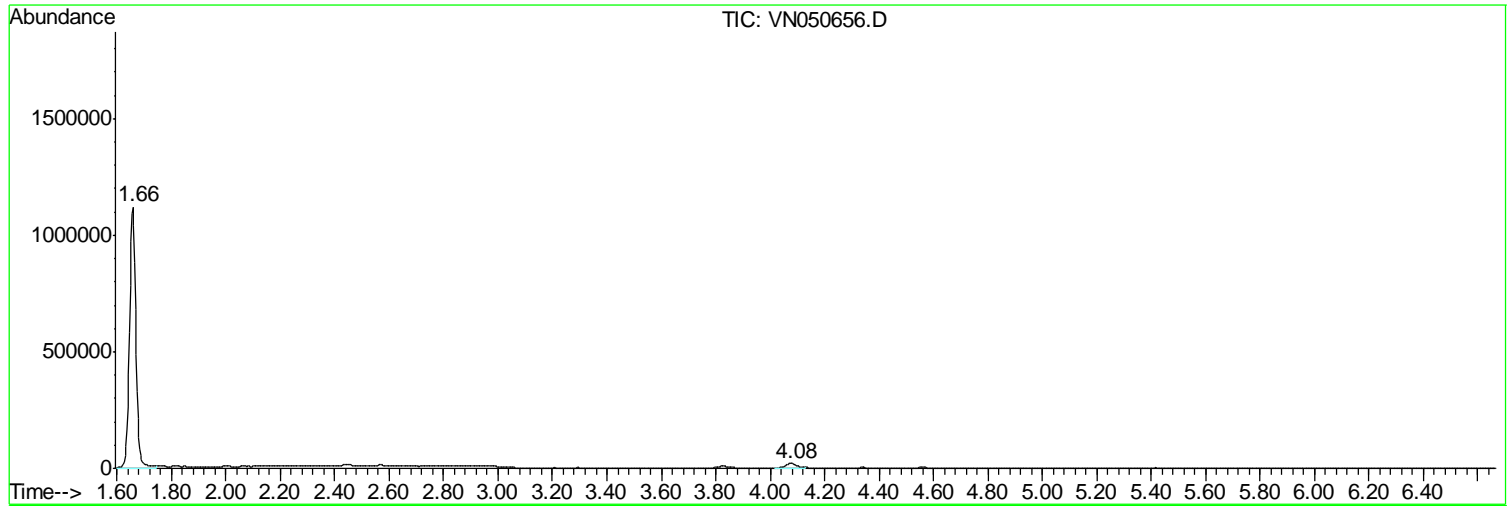
Sum of corrected areas: 17723903

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050656.D
Acq On : 15 Aug 2018 15:38
Operator : MD\SY
Sample : J4465-11
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
948-MW-15(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
Data File : VN050656.D
Acq On : 15 Aug 2018 15:38
Operator : MD\SY
Sample : J4465-11
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
948-MW-15(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
 Data File : VN050656.D
 Acq On : 15 Aug 2018 15:38
 Operator : MD\SY
 Sample : J4465-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 948-MW-15(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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- 11
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- 14
- 15
- 16



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	949-MW-16(22.5)	SDG No.:	J4465
Lab Sample ID:	J4465-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050657.D	1		08/15/18 16:03	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	7.7		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.62	J	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.39	J	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1.1		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	949-MW-16(22.5)	SDG No.:	J4465
Lab Sample ID:	J4465-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050657.D	1		08/15/18 16:03	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.28	J	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	7		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		61 - 141		109%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	47.3		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.7		58 - 135		77%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	608723	7.67				
540-36-3	1,4-Difluorobenzene	960720	8.59				
3114-55-4	Chlorobenzene-d5	834633	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	295587	13.35				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	949-MW-16(22.5)	SDG No.:	J4465
Lab Sample ID:	J4465-12	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050657.D	1		08/15/18 16:03	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050657.D
 Acq On : 15 Aug 2018 16:03
 Operator : MD\SY
 Sample : J4465-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 949-MW-16(22.5)

Quant Time: Aug 16 03:43:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	608723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	960720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	834633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295587	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	419483	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
35) Dibromofluoromethane	7.59	113	382510	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	10.09	98	1365652	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
62) 4-Bromofluorobenzene	12.40	95	369386	38.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.46%	

Target Compounds

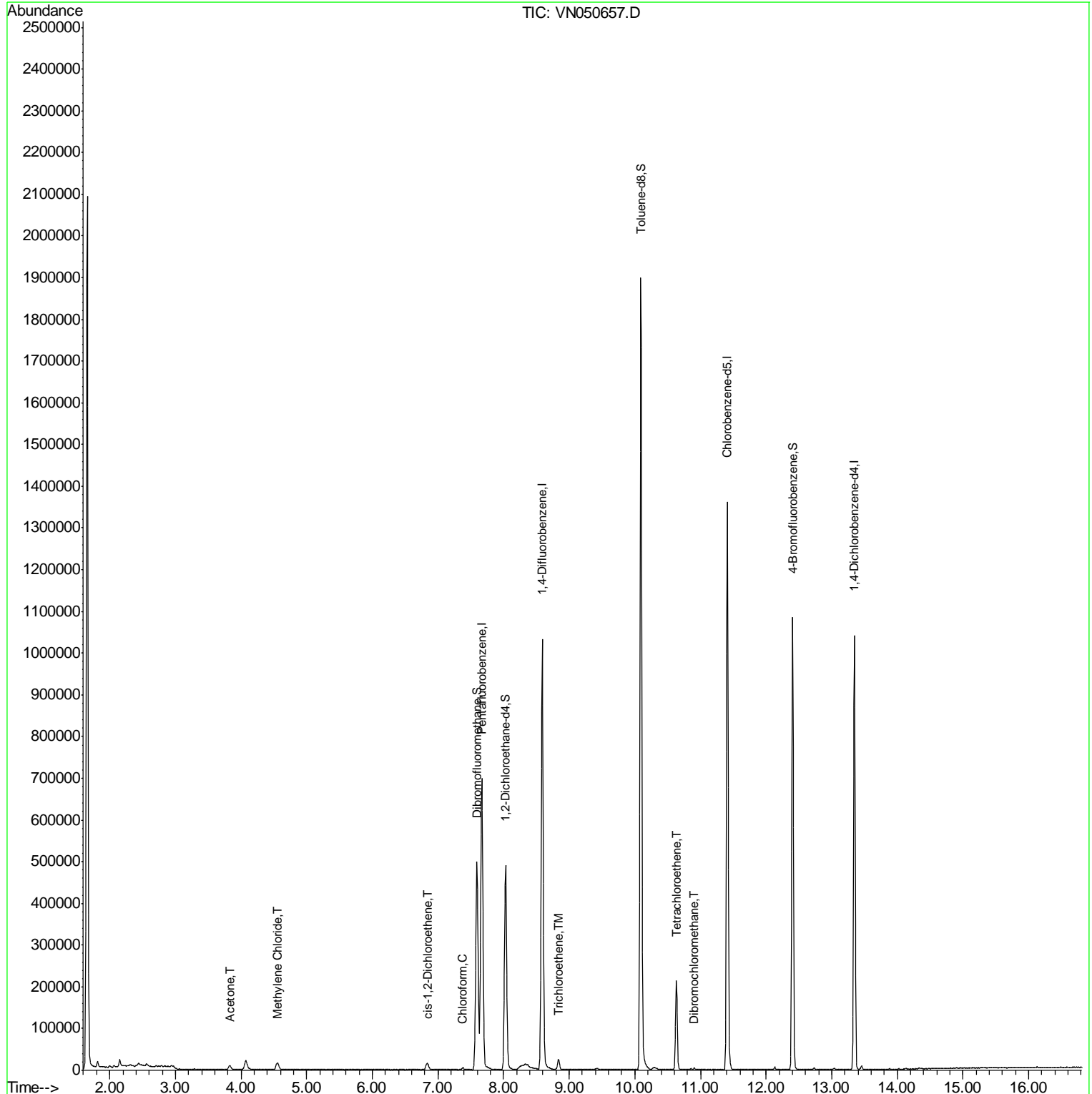
						Qvalue
16) Acetone	3.83	43	17352	7.65	ug/l	97
20) Methylene Chloride	4.55	84	13676	0.62	ug/l	94
27) cis-1,2-Dichloroethene	6.84	96	8235	1.03	ug/l	92
30) Chloroform	7.38	83	5332	0.39	ug/l	89
44) Trichloroethene	8.84	130	9820	1.13	ug/l	99
60) Dibromochloromethane	10.90	129	2242	0.28	ug/l	86
64) Tetrachloroethene	10.63	164	54509	7.03	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

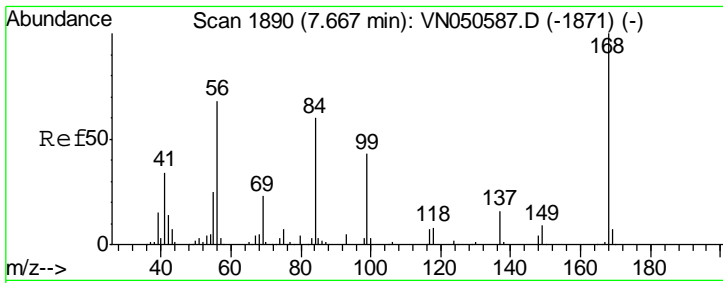
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 Data File : VN050657.D
 Acq On : 15 Aug 2018 16:03
 Operator : MD\SY
 Sample : J4465-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 949-MW-16(22.5)

Quant Time: Aug 16 03:43:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



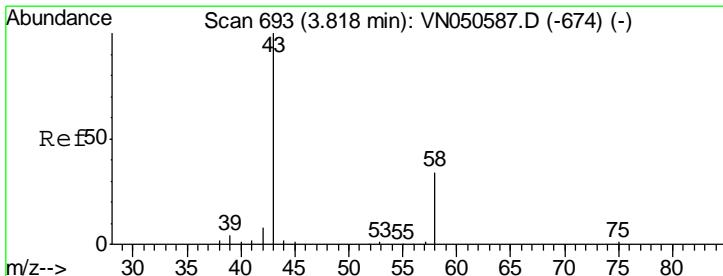
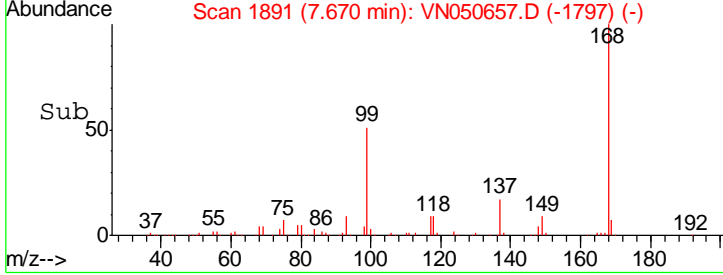
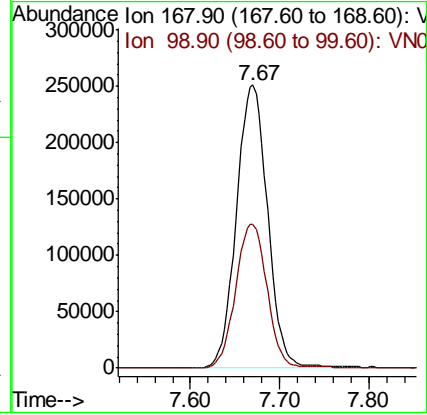
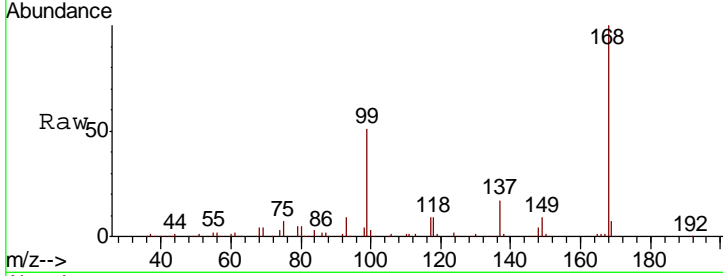
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

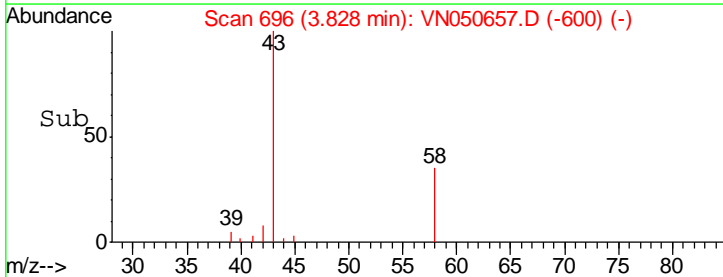
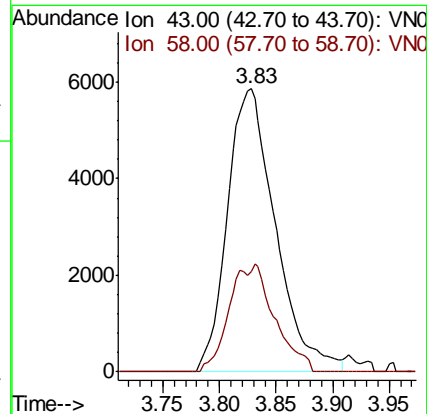
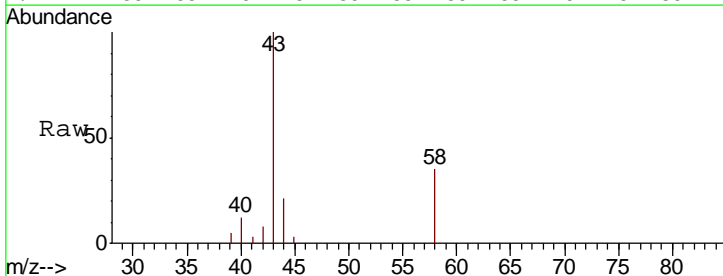
Instrument : MSVOA_N
 ClientSampled : 949-MW-16(22.5)

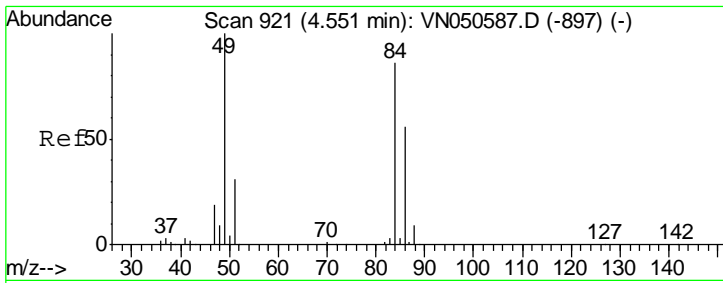
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.8	40.8	61.2



#16
 Acetone
 Concen: 7.65 ug/l
 RT: 3.83 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

Tgt Ion	Resp	Lower	Upper
43	100		
58	35.5	27.1	40.7

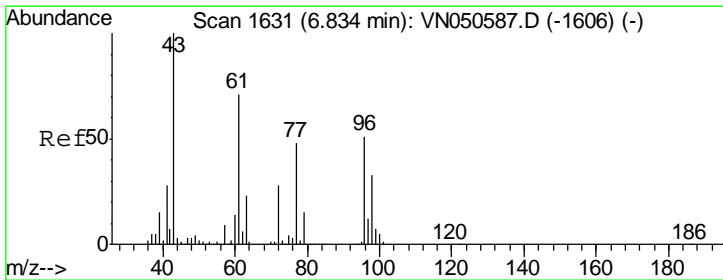
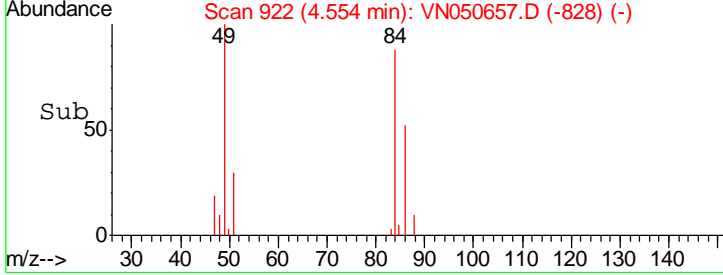
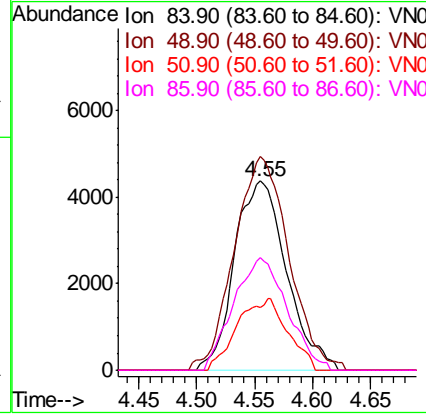
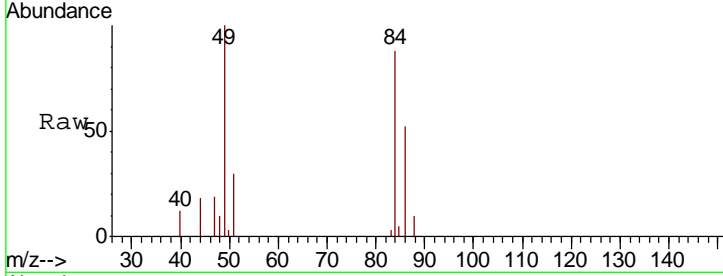




#20
 Methylene Chloride
 Concen: 0.62 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

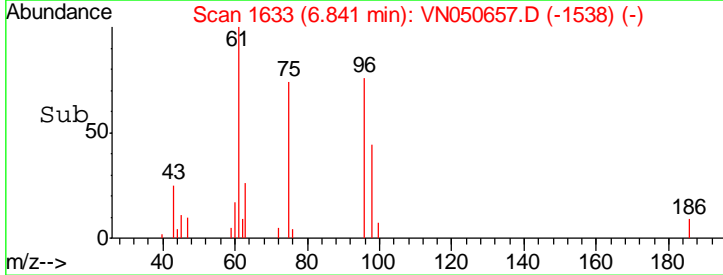
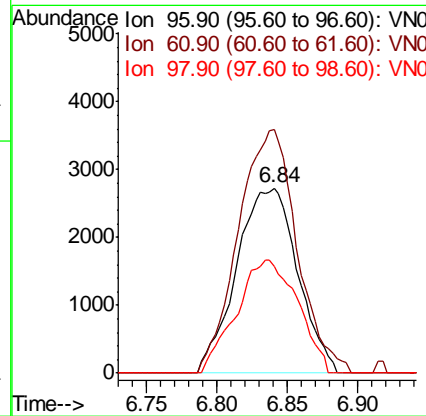
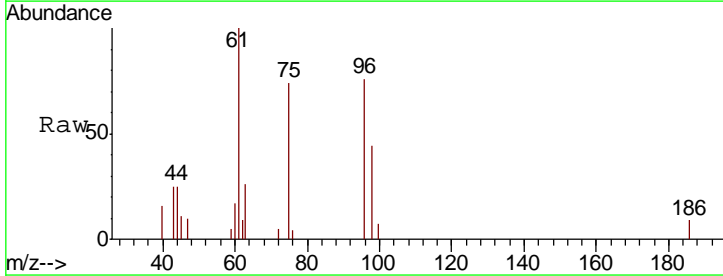
Instrument : MSVOA_N
 Client Sampled : 949-MW-16(22.5)

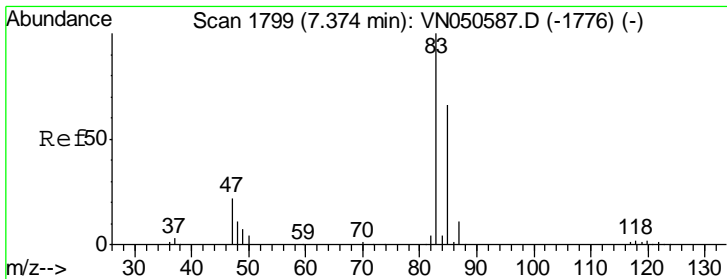
Tgt Ion	Resp	Lower	Upper
84	13676		
84	100		
49	109.0	92.6	138.8
51	33.4	28.6	43.0
86	59.3	52.2	78.2



#27
 cis-1,2-Dichloroethene
 Concen: 1.03 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.01 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

Tgt Ion	Resp	Lower	Upper
96	8235		
96	100		
61	126.8	0.0	278.2
98	61.2	0.0	128.8

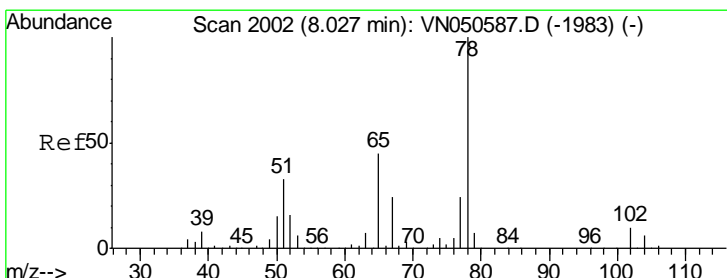
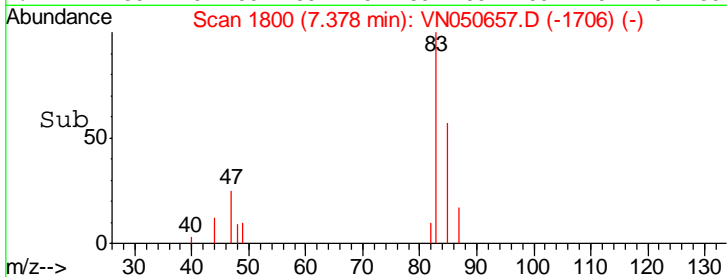
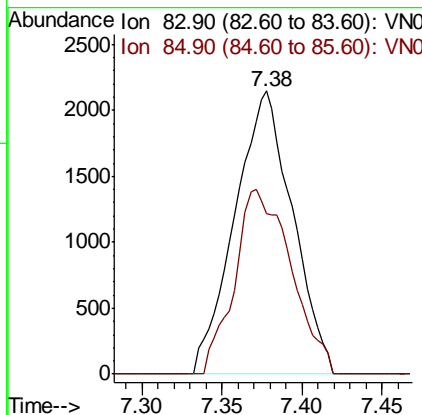
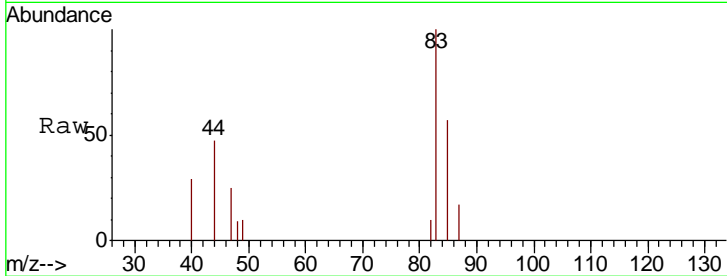




#30
 Chloroform
 Concen: 0.39 ug/l
 RT: 7.38 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

Instrument : MSVOA_N
 ClientSampleId : 949-MW-16(22.5)

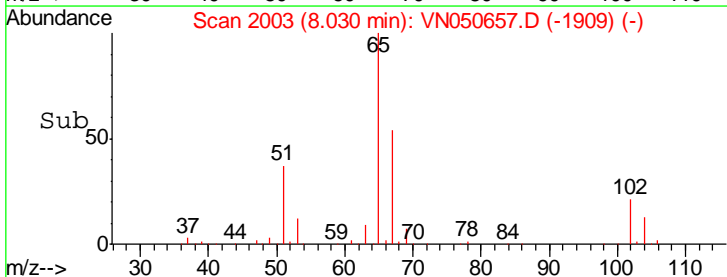
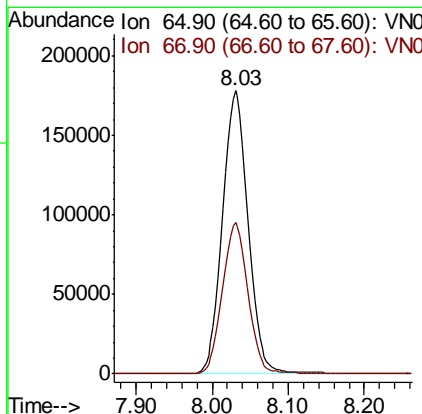
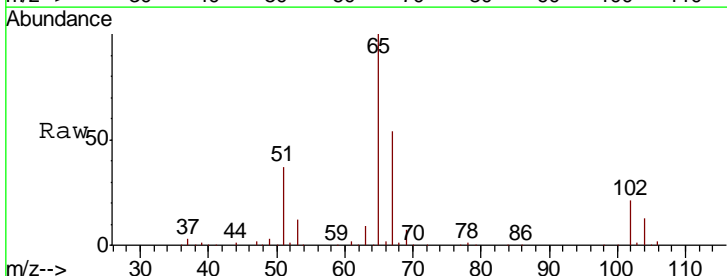
Tgt Ion	Resp	Lower	Upper
83	5332		
85	100	52.5	78.7

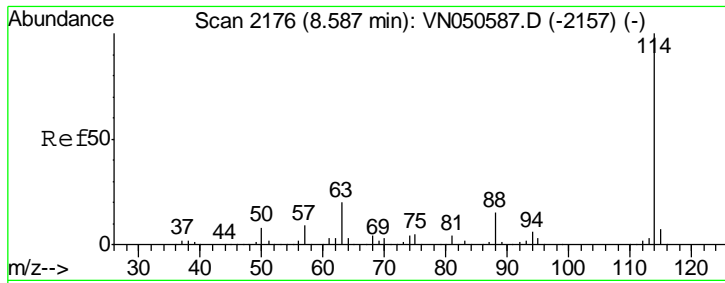


#33
 1,2-Dichloroethane-d4
 Concen: 54.67 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

Instrument : MSVOA_N
 ClientSampleId : 949-MW-16(22.5)

Tgt Ion	Resp	Lower	Upper
65	419483		
67	100	0.0	109.8

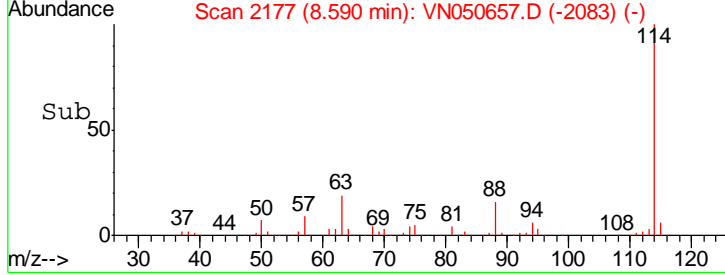
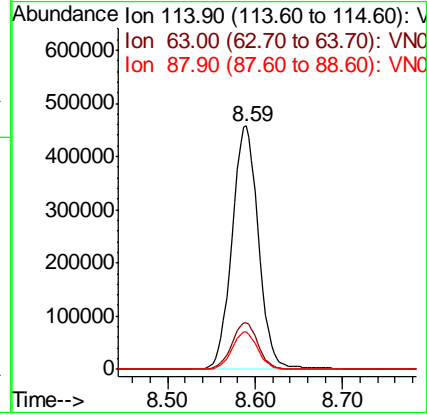
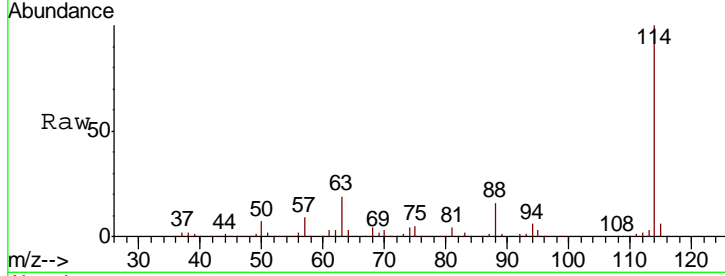




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

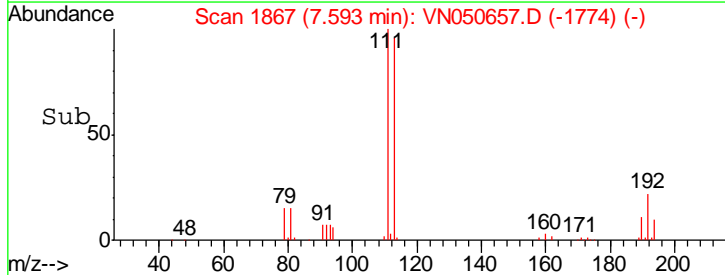
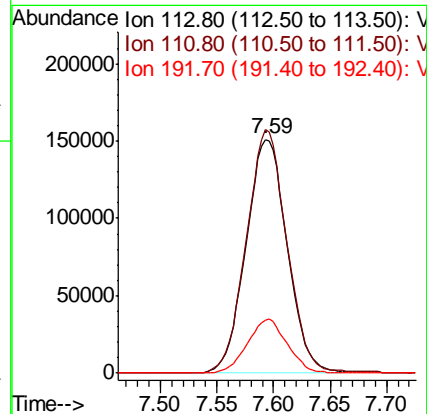
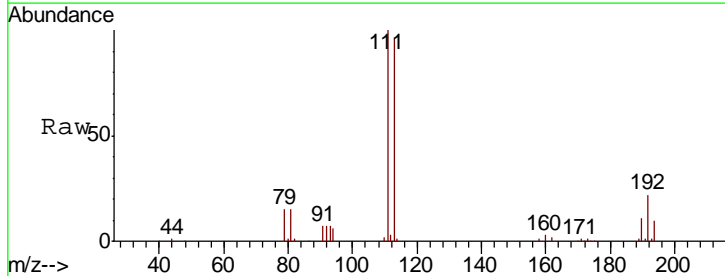
Instrument : MSVOA_N
 ClientSampleId : 949-MW-16(22.5)

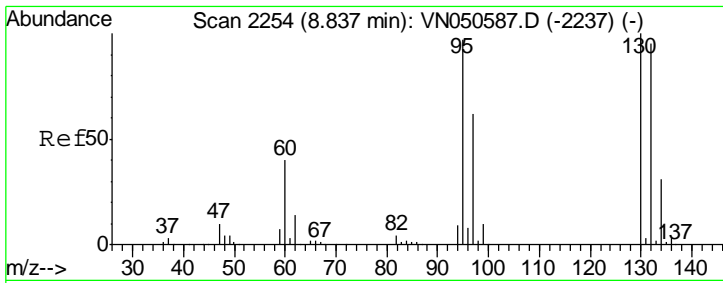
Tgt Ion	Resp	Lower	Upper
114	960720		
63	19.3	0.0	40.0
88	15.5	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 49.87 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

Tgt Ion	Resp	Lower	Upper
113	382510		
111	102.8	81.0	121.6
192	22.4	17.6	26.4

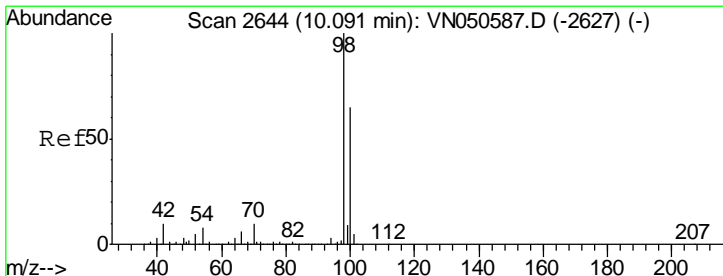
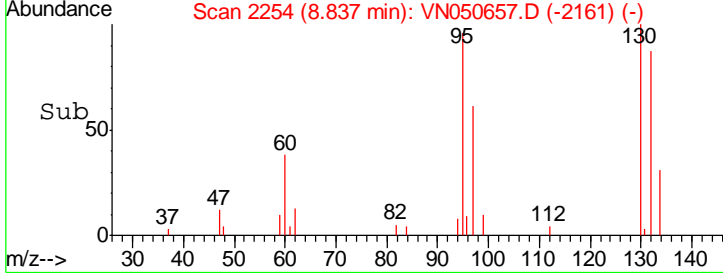
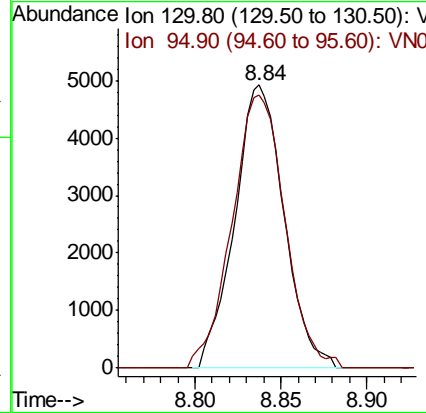
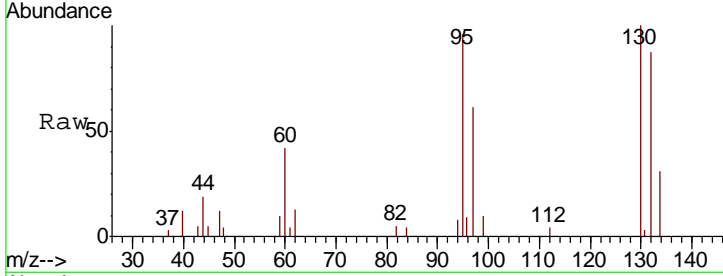




#44
 Trichloroethene
 Concen: 1.13 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

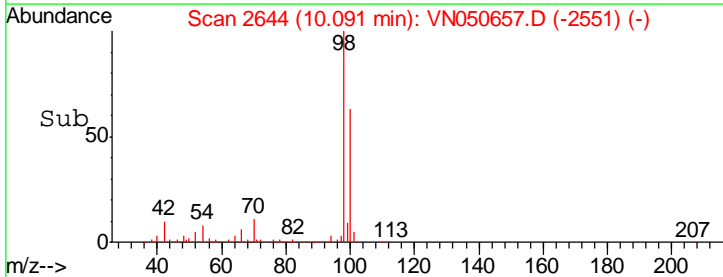
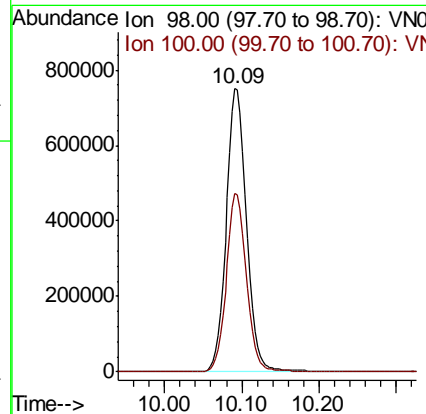
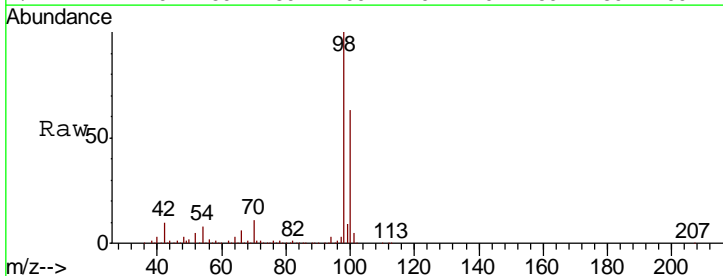
Instrument : MSVOA_N
 ClientSampleId : 949-MW-16(22.5)

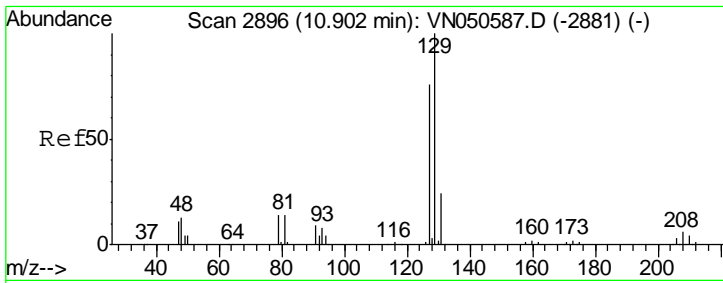
Tgt Ion	Resp	Lower	Upper
130	100		
95	96.3	0.0	193.8



#50
 Toluene-d8
 Concen: 47.31 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

Tgt Ion	Resp	Lower	Upper
98	100		
100	62.7	51.8	77.8

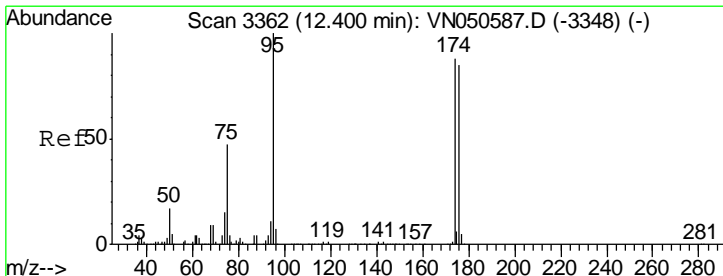
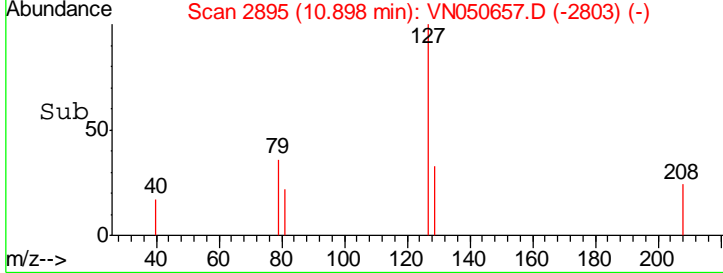
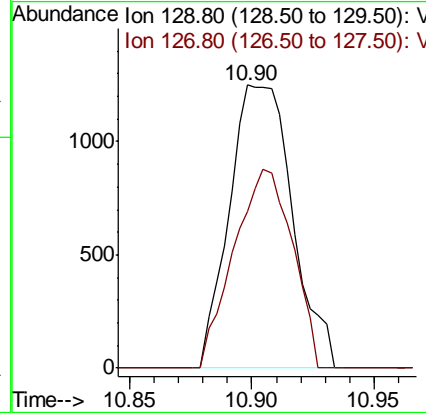
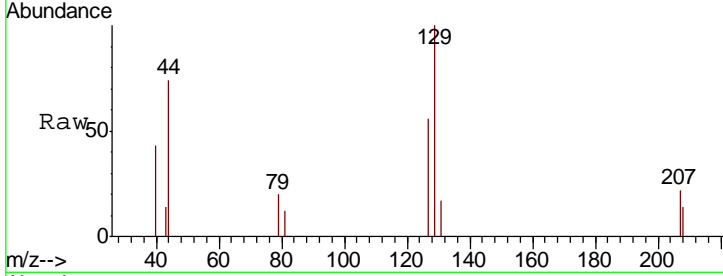




#60
 Dibromochloromethane
 Concen: 0.28 ug/l
 RT: 10.90 min Scan# 2895
 Delta R.T. -0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

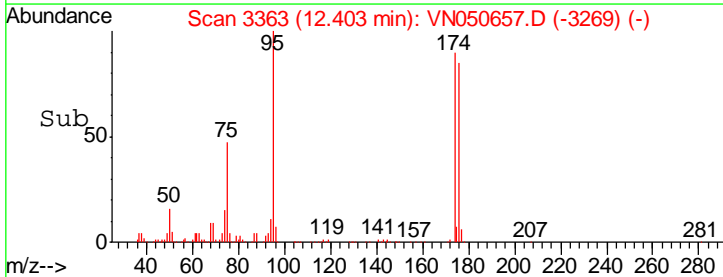
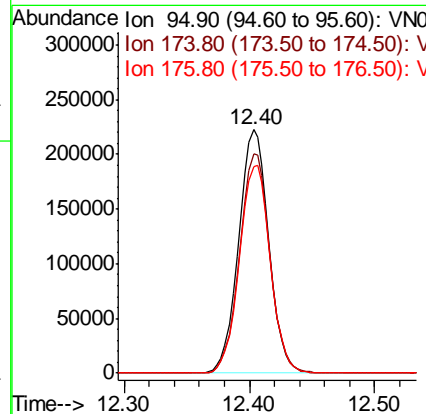
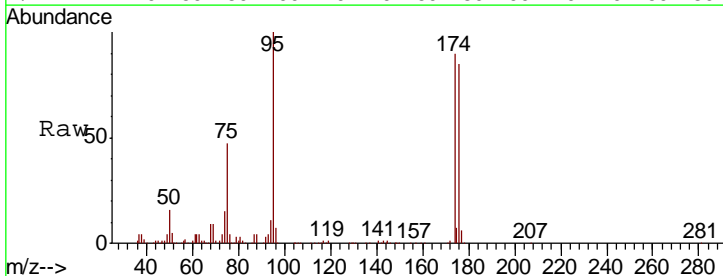
Instrument : MSVOA_N
 ClientSampled : 949-MW-16(22.5)

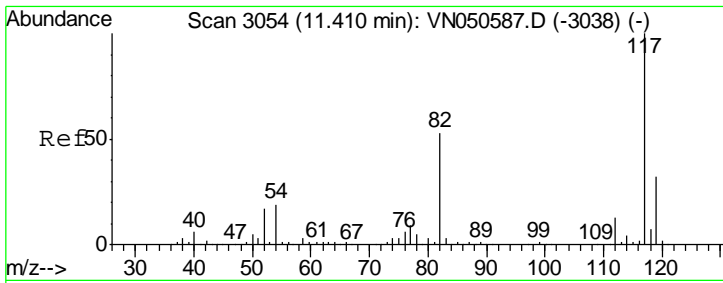
Tgt Ion	Resp	Lower	Upper
129	2242		
127	65.4	38.9	116.7



#62
 4-Bromofluorobenzene
 Concen: 38.73 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

Tgt Ion	Resp	Lower	Upper
95	369386		
174	90.7	0.0	177.8
176	87.5	0.0	175.0

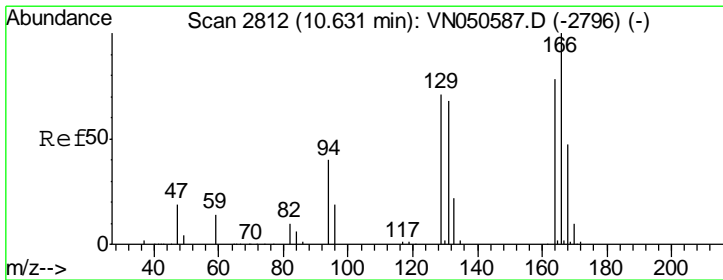
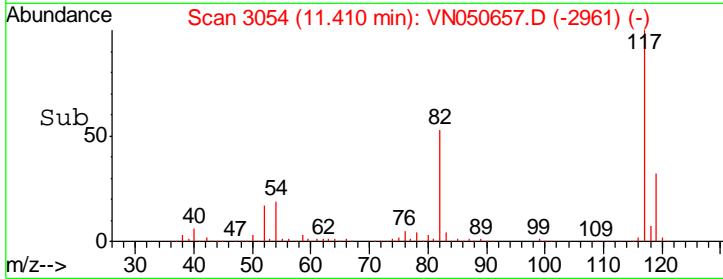
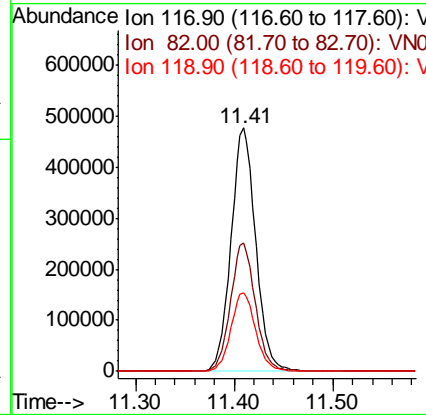
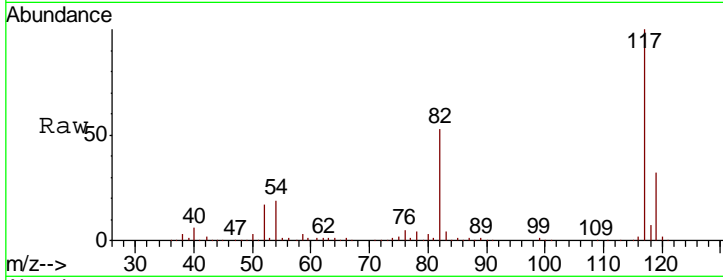




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

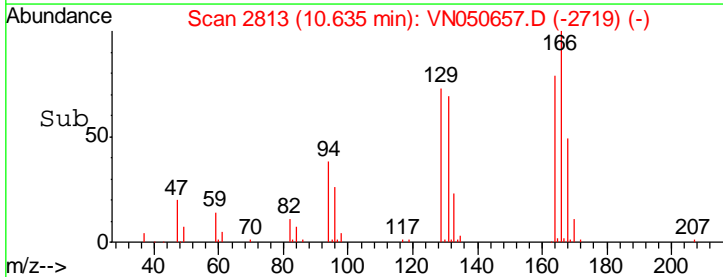
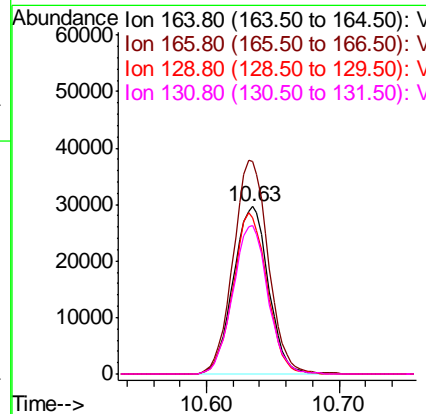
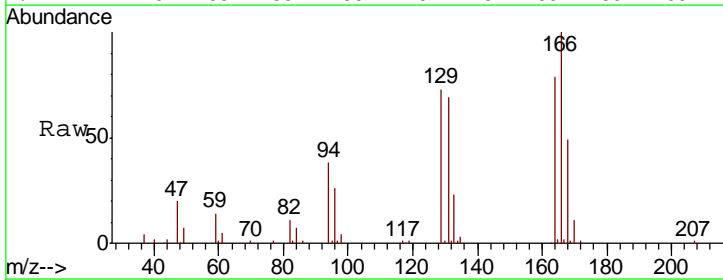
Instrument : MSVOA_N
 ClientSampled : 949-MW-16(22.5)

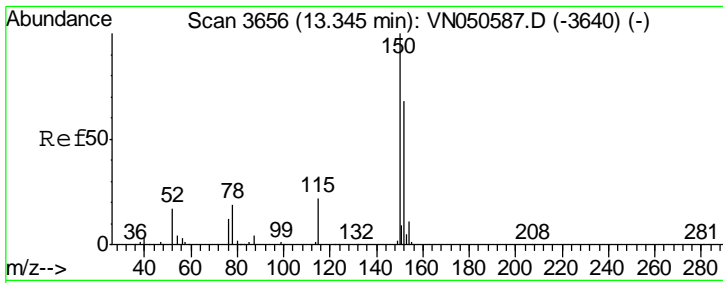
Tgt Ion	Resp	Lower	Upper
117	834633		
82	52.6	42.4	63.6
119	32.3	25.8	38.8



#64
 Tetrachloroethene
 Concen: 7.03 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

Tgt Ion	Resp	Lower	Upper
164	54509		
166	127.3	102.1	153.1
129	93.5	72.7	109.1
131	88.4	69.9	104.9

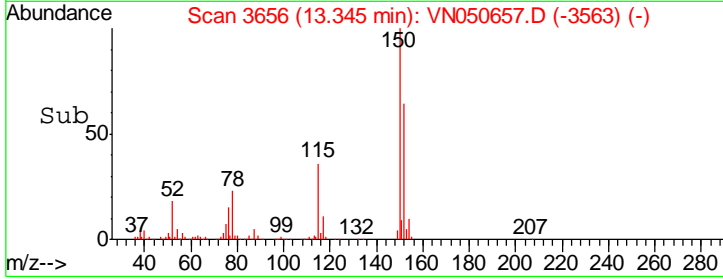
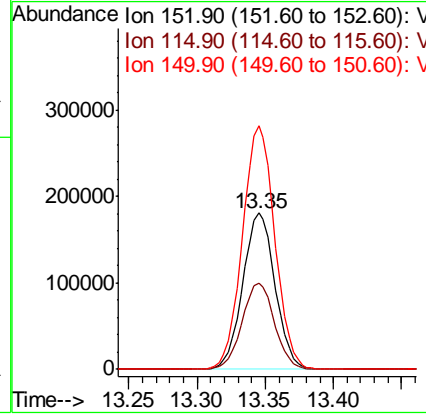
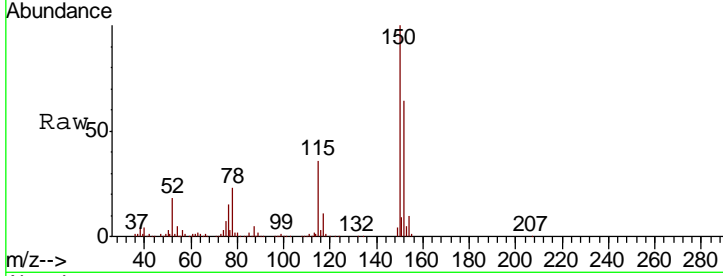




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050657.D
 Acq: 15 Aug 2018 16:03

Instrument : MSVOA_N
 ClientSampled : 949-MW-16(22.5)

Tot Ion	Resp	Lower	Upper
152	100		
115	55.6	28.1	84.2
150	156.5	0.0	347.8



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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050657.D
 Acq On : 15 Aug 2018 16:03
 Operator : MD\SY
 Sample : J4465-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 949-MW-16(22.5)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	50	rBV	2092350	3499645	100.00%	17.711%
2	4.072	754	772	789	rBV2	21844	64353	1.84%	0.326%
3	4.558	906	923	943	rBV3	15421	46661	1.33%	0.236%
4	6.837	1614	1632	1648	rBV5	15401	45664	1.30%	0.231%
5	7.593	1843	1867	1879	rBV	498829	1255615	35.88%	6.354%
6	7.670	1879	1891	1920	rVB	694572	1686642	48.19%	8.536%
7	8.030	1984	2003	2032	rBV	489514	1158760	33.11%	5.864%
8	8.590	2159	2177	2205	rBV	1030172	2157944	61.66%	10.921%
9	8.837	2240	2254	2266	rVB2	24201	48684	1.39%	0.246%
10	10.091	2626	2644	2688	rBV	1898347	3484776	99.58%	17.636%
11	10.631	2800	2812	2831	rBV2	212932	385227	11.01%	1.950%
12	11.410	3034	3054	3079	rBV	1360829	2391494	68.34%	12.103%
13	12.403	3349	3363	3382	rBV	1084081	1822474	52.08%	9.223%
14	13.345	3642	3656	3671	rBV	1039646	1712029	48.92%	8.664%

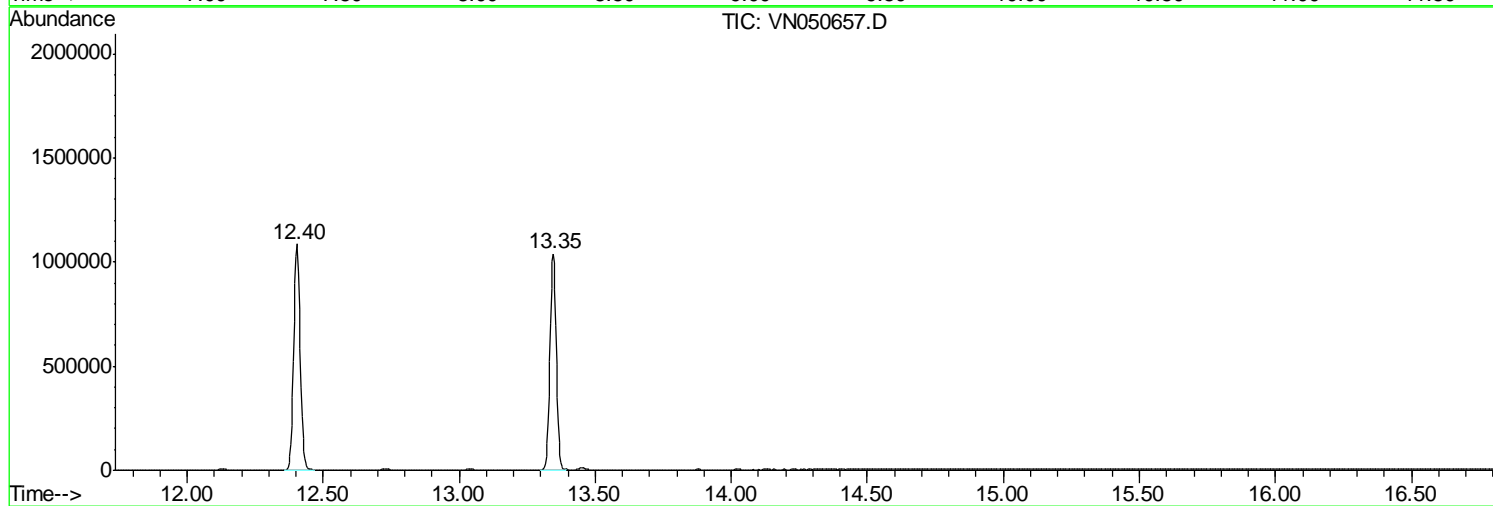
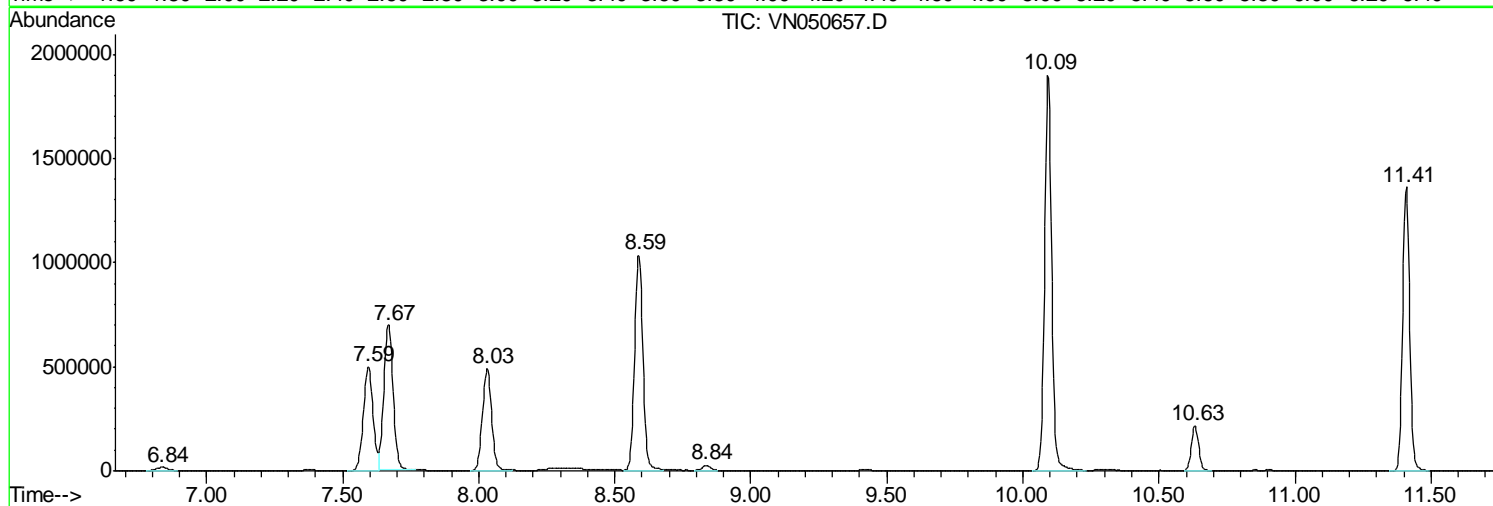
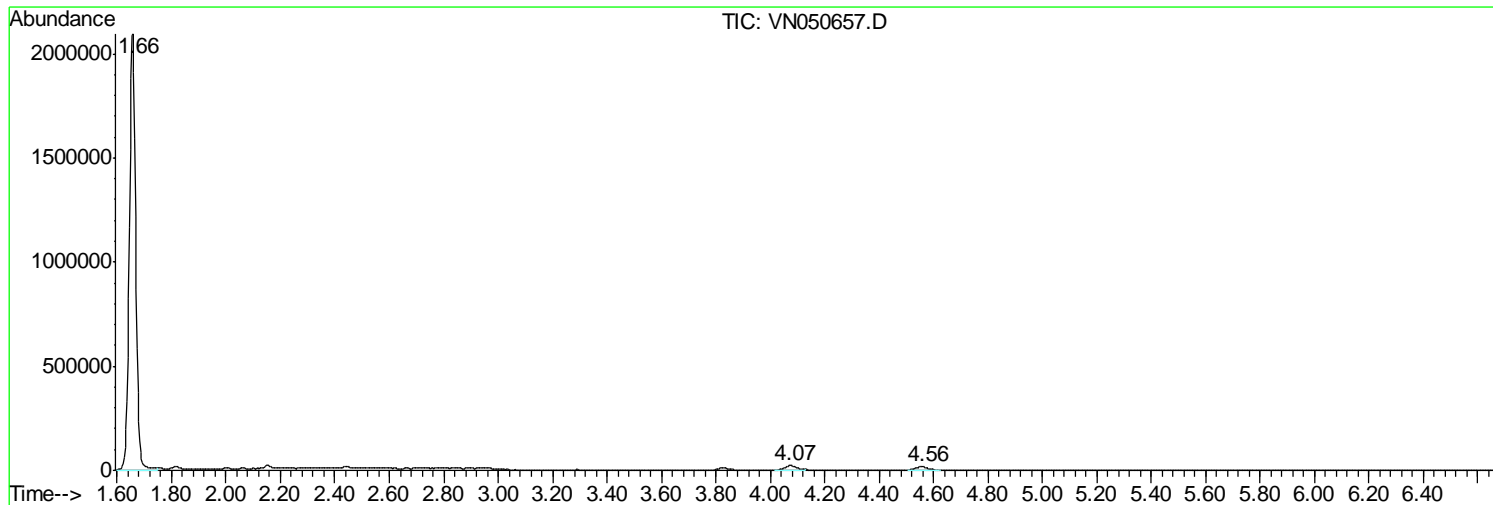
Sum of corrected areas: 19759968

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050657.D
Acq On : 15 Aug 2018 16:03
Operator : MD\SY
Sample : J4465-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
949-MW-16(22.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
Data File : VN050657.D
Acq On : 15 Aug 2018 16:03
Operator : MD\SY
Sample : J4465-12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
949-MW-16(22.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
 Data File : VN050657.D
 Acq On : 15 Aug 2018 16:03
 Operator : MD\SY
 Sample : J4465-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 949-MW-16(22.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	950-MW-17(15.5)	SDG No.:	J4465
Lab Sample ID:	J4465-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050631.D	1		08/15/18 03:56	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	4.9	J	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	37.4		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	72.1		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	950-MW-17(15.5)	SDG No.:	J4465
Lab Sample ID:	J4465-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050631.D	1		08/15/18 03:56	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	2700	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.6		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	48.2		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.7		58 - 135		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	649391	7.67				
540-36-3	1,4-Difluorobenzene	972854	8.59				
3114-55-4	Chlorobenzene-d5	905403	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	337892	13.35				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	950-MW-17(15.5)	SDG No.:	J4465
Lab Sample ID:	J4465-13	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050631.D	1		08/15/18 03:56	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050631.D
 Acq On : 15 Aug 2018 3:56
 Operator : MD\SY
 Sample : J4465-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 950-MW-17(15.5)

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:39 PM

Quant Time: Aug 15 15:01:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	649391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	972854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	905403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	337892	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	405594	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	7.59	113	387610	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	10.09	98	1407368	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.40	95	412610	42.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.46%	
Target Compounds						
16) Acetone	3.83	43	12928	4.90	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	318197	37.41	ug/l	92
44) Trichloroethene	8.84	130	636054	72.07	ug/l	98
64) Tetrachloroethene	10.62	164	22793680m	2710.84	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

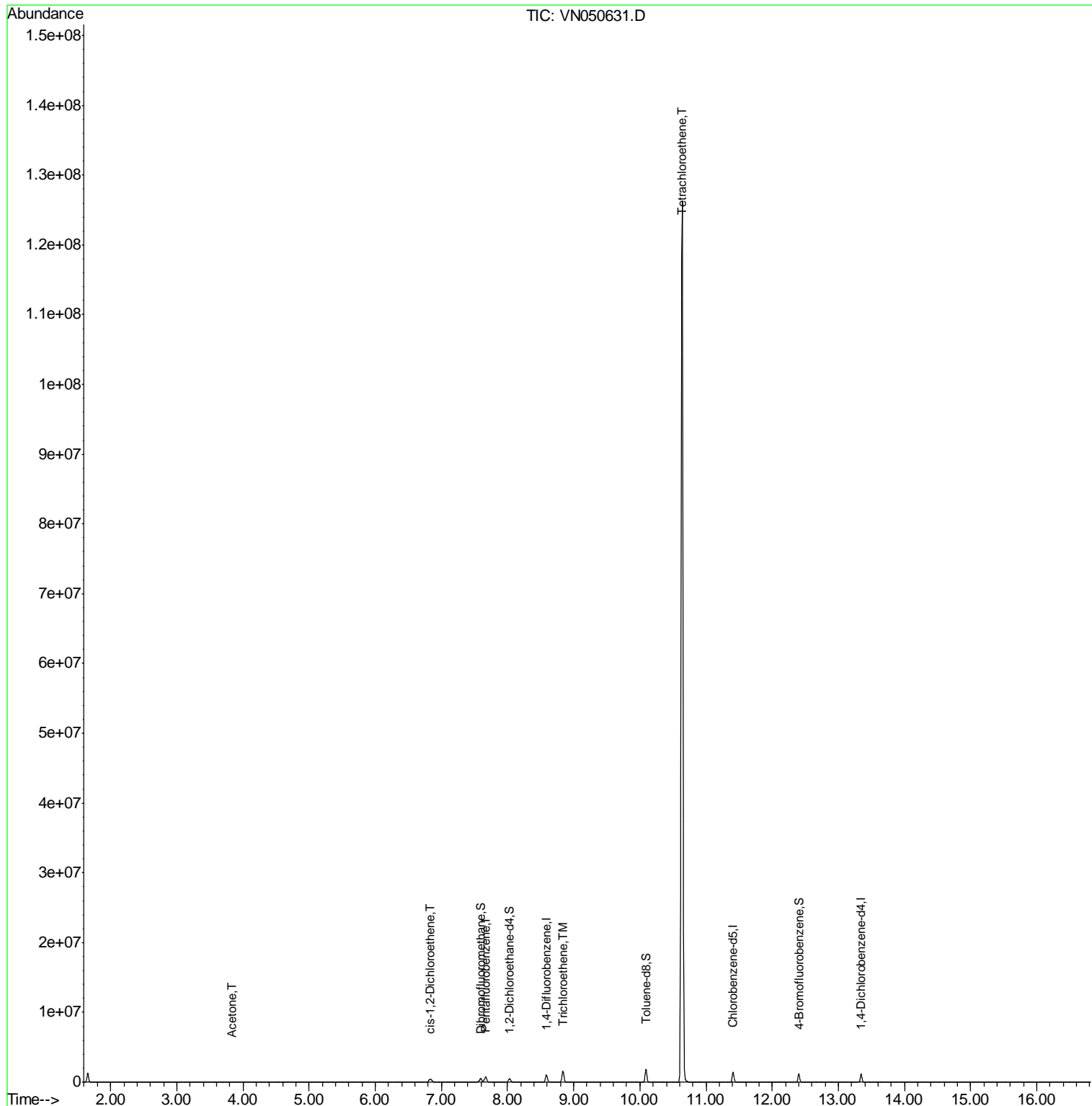
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050631.D
 Acq On : 15 Aug 2018 3:56
 Operator : MD\SY
 Sample : J4465-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 950-MW-17(15.5)

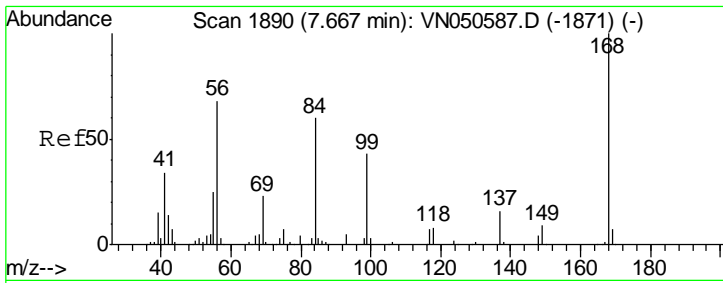
Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:39 PM

Quant Time: Aug 15 15:01:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

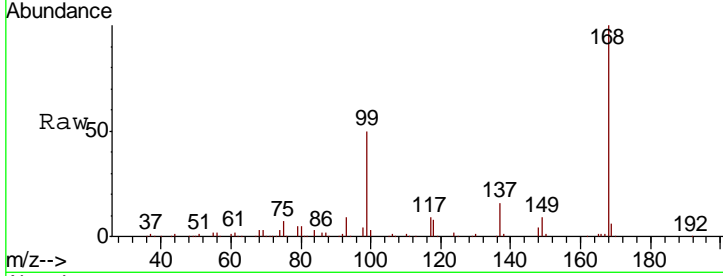


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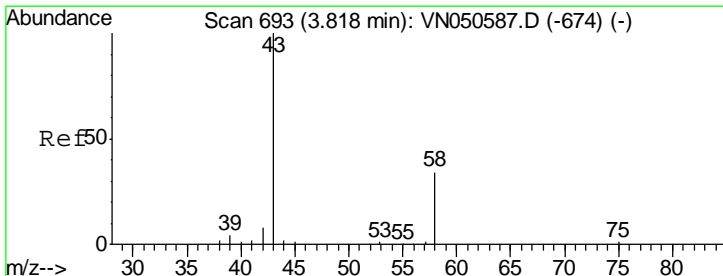
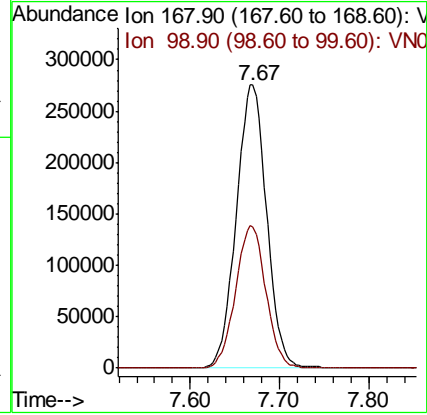
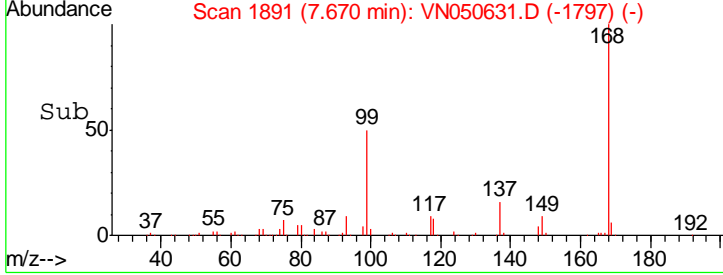
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050631.D
 Acq: 15 Aug 2018 3:56

Instrument : MSVOA_N
 Client Sampled : 950-MW-17(15.5)

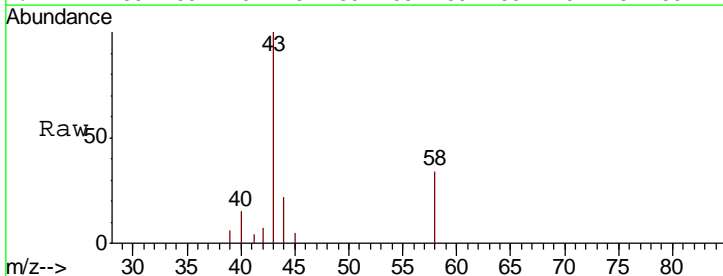


Tgt Ion	Resp	Lower	Upper
168	100		
99	49.8	40.8	61.2

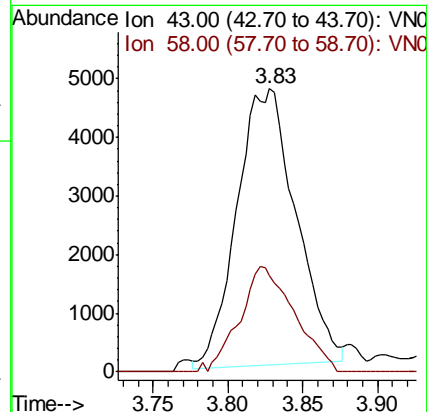
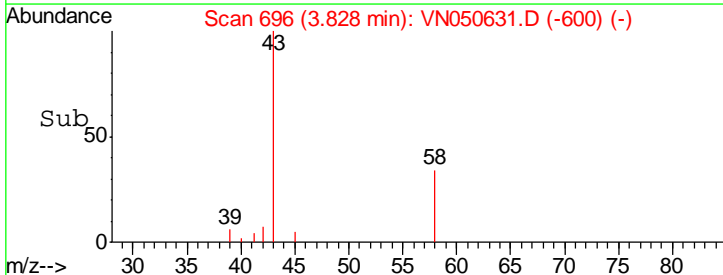
Manual Integrations APPROVED
 MMDadoda
 8/15/2018 3:32:39 PM

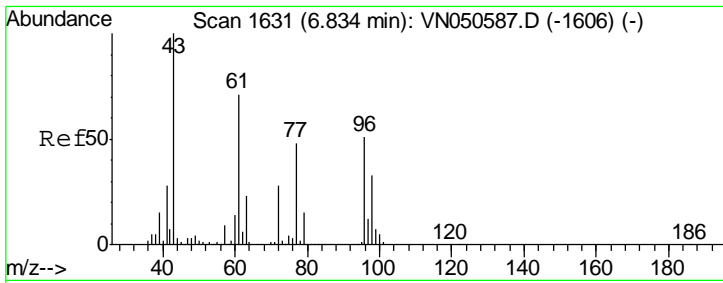


#16
 Acetone
 Concen: 4.90 ug/l
 RT: 3.83 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VN050631.D
 Acq: 15 Aug 2018 3:56



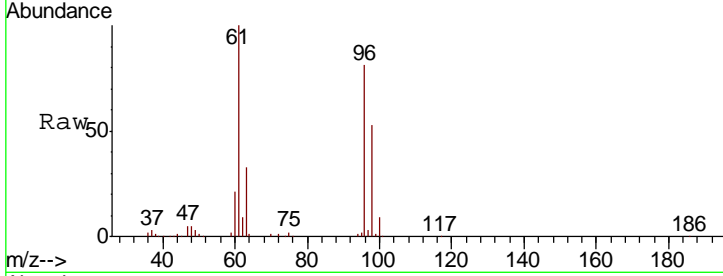
Tgt Ion	Resp	Lower	Upper
43	100		
58	35.4	27.1	40.7





#27
 cis-1,2-Dichloroethene
 Concen: 37.41 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050631.D
 Acq: 15 Aug 2018 3:56

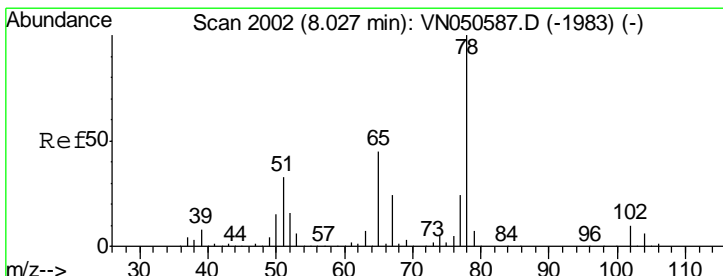
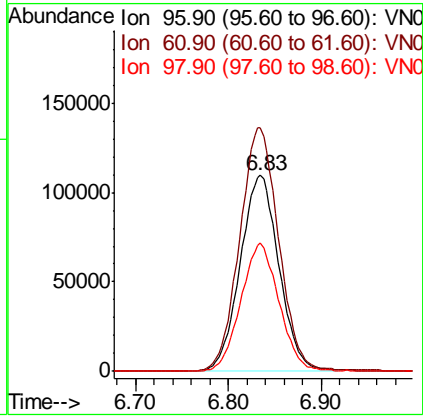
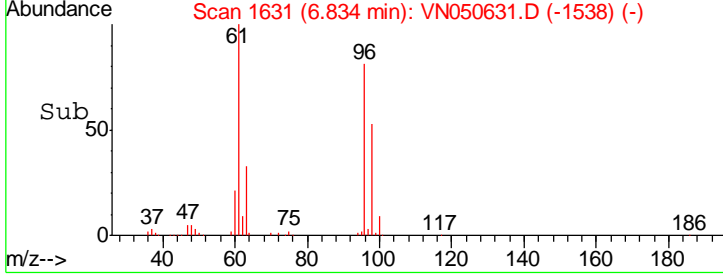
Instrument : MSVOA_N
 Client Sampled : 950-MW-17(15.5)



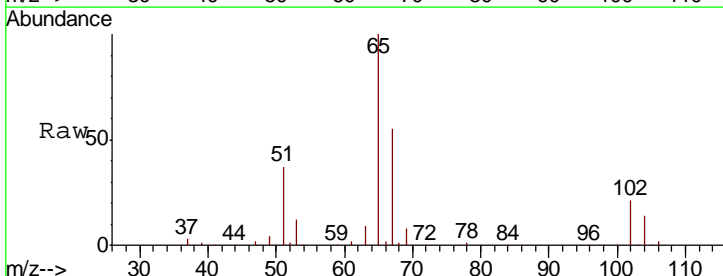
Tgt Ion: 96 Resp: 318197

Ion	Ratio	Lower	Upper
96	100		
61	125.3	0.0	278.2
98	64.3	0.0	128.8

Manual Integrations
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 MMDadoda
 8/15/2018 3:32:39 PM

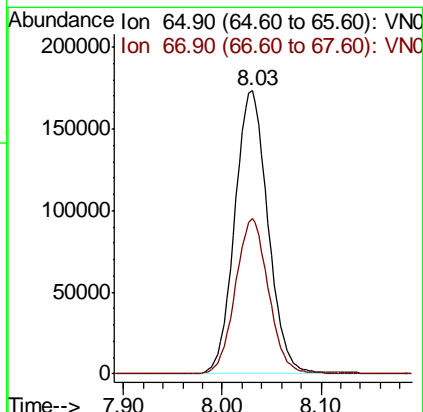
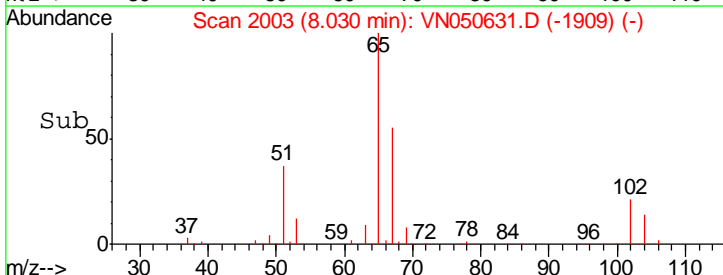


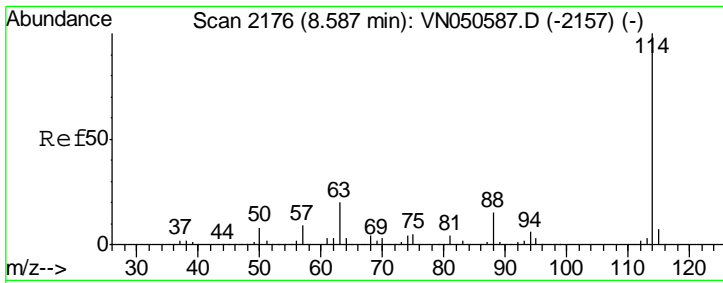
#33
 1,2-Dichloroethane-d4
 Concen: 49.55 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050631.D
 Acq: 15 Aug 2018 3:56



Tgt Ion: 65 Resp: 405594

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	109.8





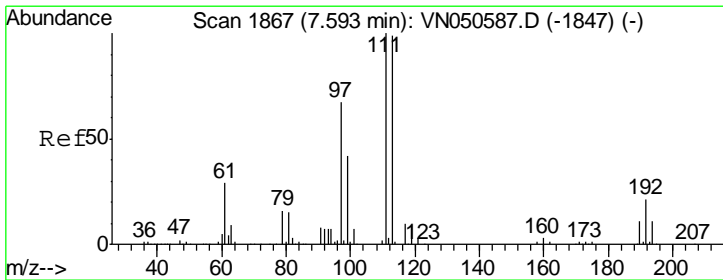
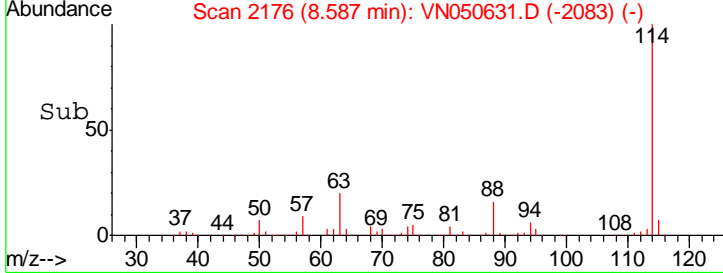
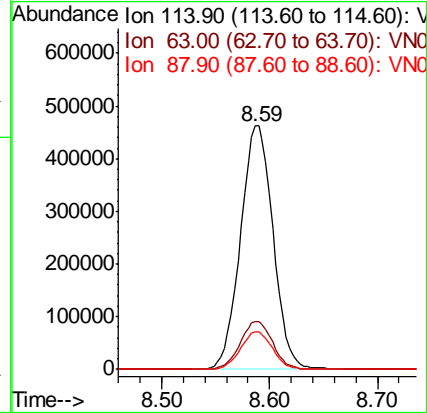
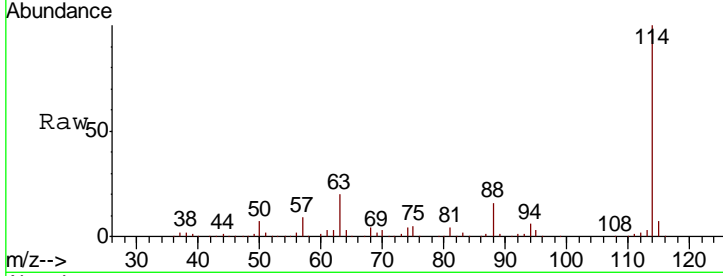
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050631.D
 Acq: 15 Aug 2018 3:56

Instrument : MSVOA_N
 Client Sampled : 950-MW-17(15.5)

Tgt Ion	Resp	Lower	Upper
114	972854		
63	19.7	0.0	40.0
88	15.6	0.0	30.8

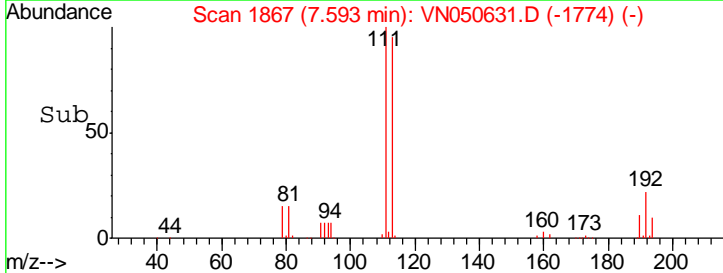
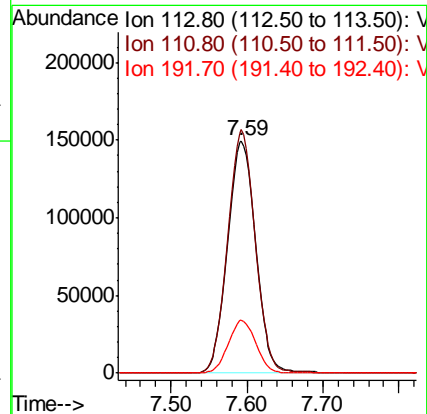
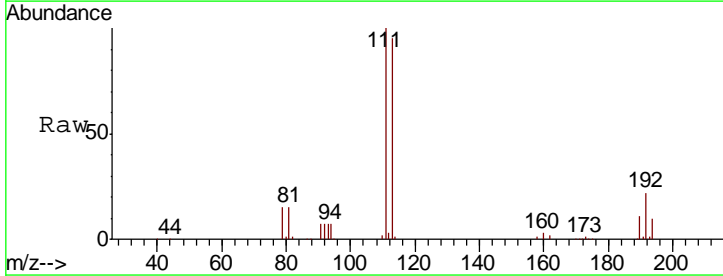
Manual Integrations
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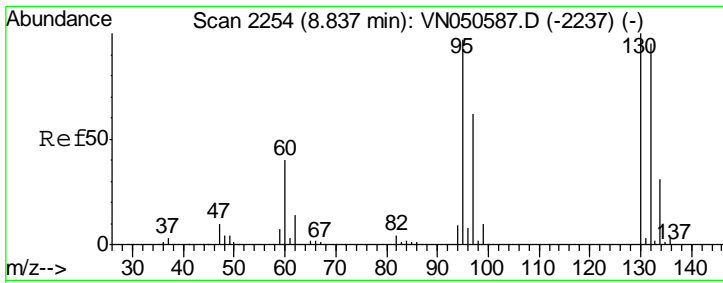
MMDadoda
 8/15/2018 3:32:39 PM



#35
 Dibromofluoromethane
 Concen: 49.91 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050631.D
 Acq: 15 Aug 2018 3:56

Tgt Ion	Resp	Lower	Upper
113	387610		
111	102.1	81.0	121.6
192	22.1	17.6	26.4





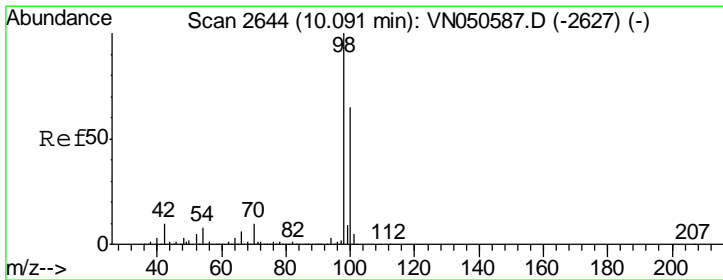
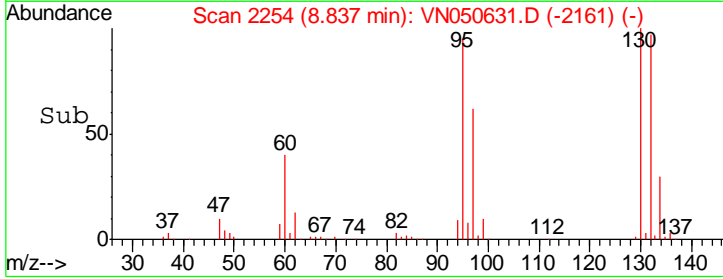
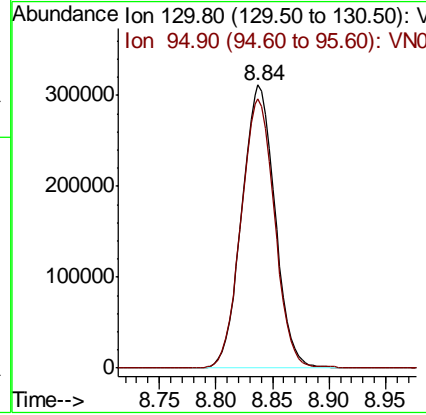
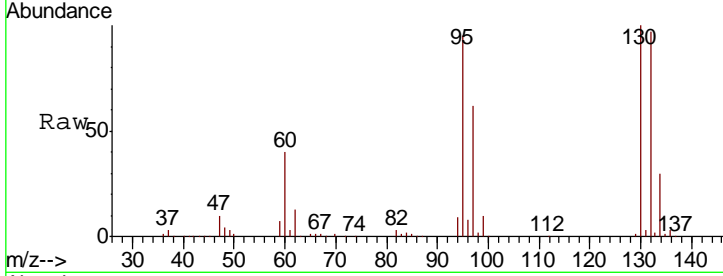
#44
 Trichloroethene
 Concen: 72.07 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050631.D
 Acq: 15 Aug 2018 3:56

Instrument :
 MSVOA_N
 ClientSampled :
 950-MW-17(15.5)

Tgt Ion	Resp	Lower	Upper
130	100		
95	95.2	0.0	193.8

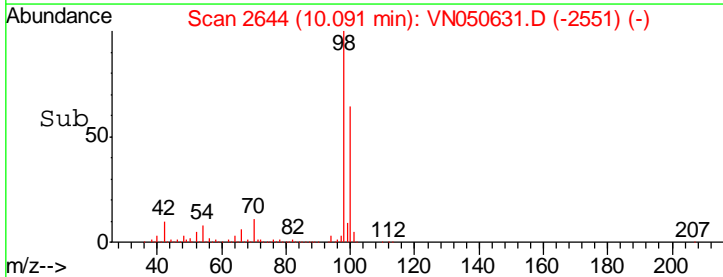
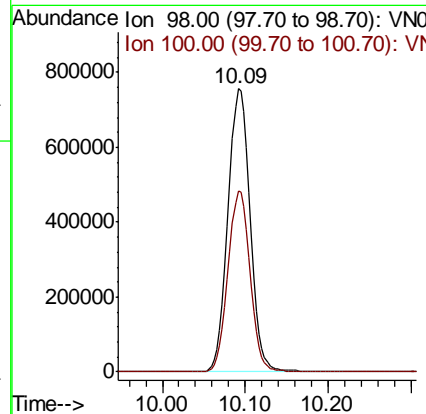
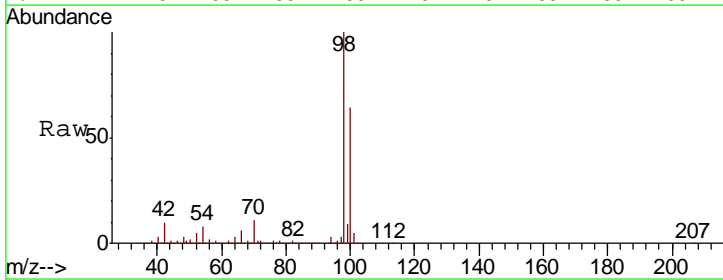
Manual Integrations
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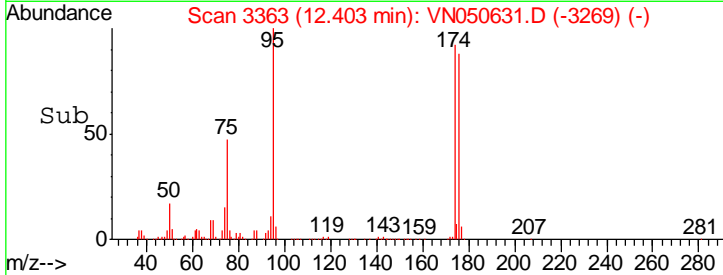
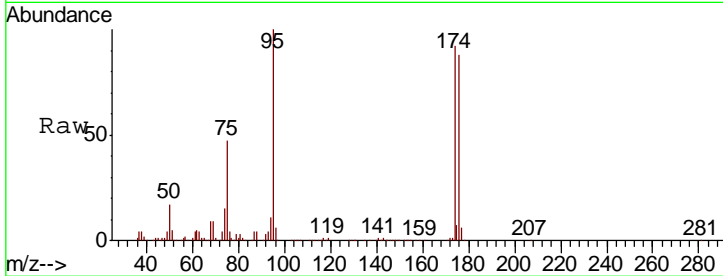
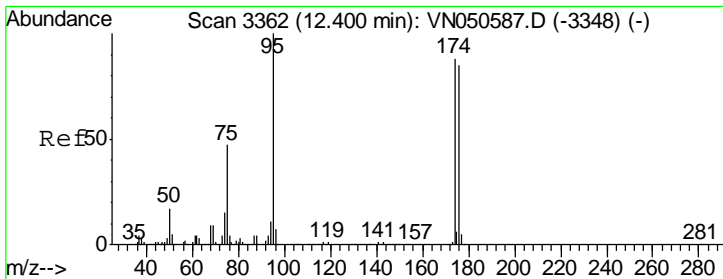
MMDadoda
 8/15/2018 3:32:39 PM



#50
 Toluene-d8
 Concen: 48.15 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050631.D
 Acq: 15 Aug 2018 3:56

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.7	51.8	77.8



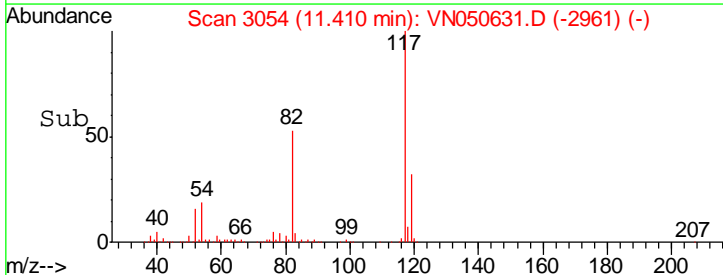
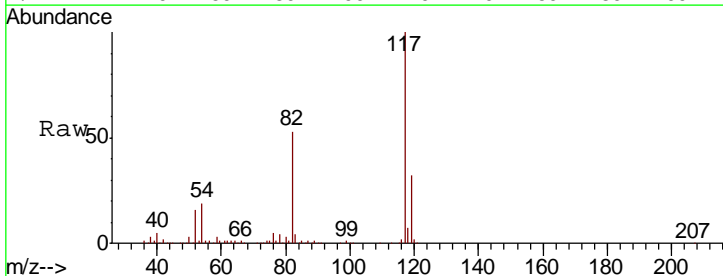
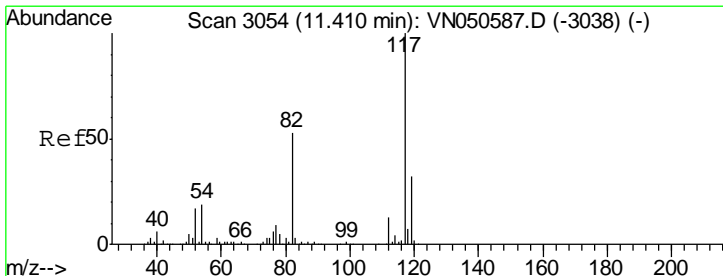
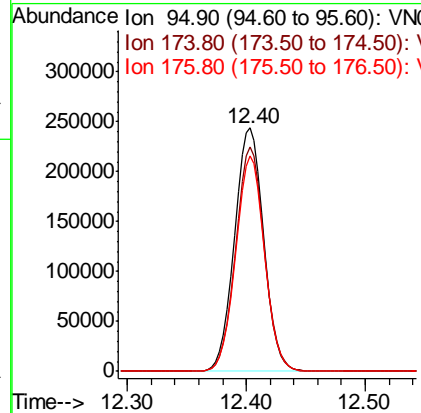


#62
 4-Bromofluorobenzene
 Concen: 42.73 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050631.D
 Acq: 15 Aug 2018 3:56

Tgt Ion	Resp	Lower	Upper
95	412610		
95	100		
174	90.8	0.0	177.8
176	87.4	0.0	175.0

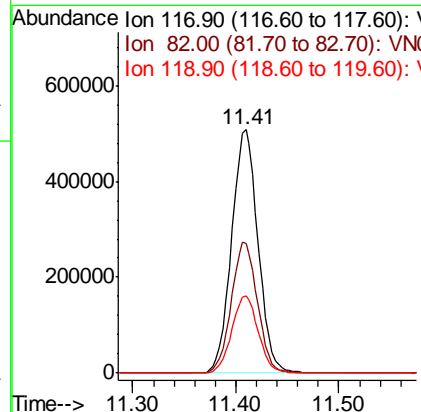
Instrument : MSVOA_N
 Client Sampled : 950-MW-17(15.5)

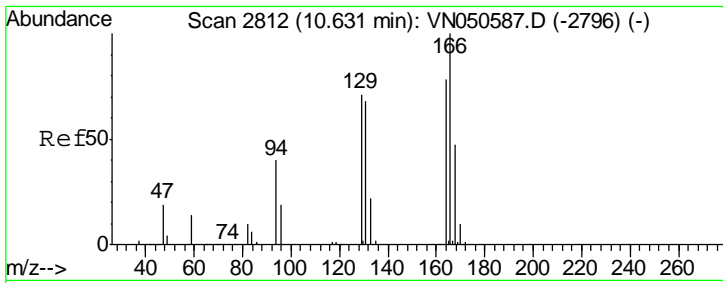
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:32:39 PM



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050631.D
 Acq: 15 Aug 2018 3:56

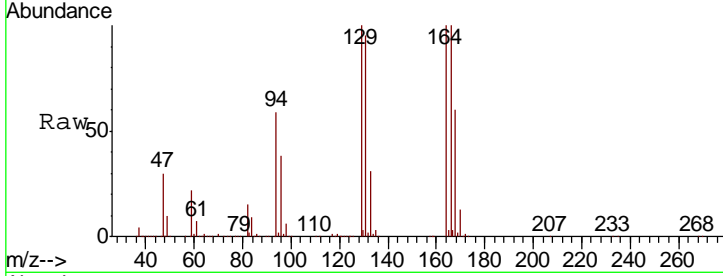
Tgt Ion	Resp	Lower	Upper
117	905403		
117	100		
82	53.3	42.4	63.6
119	31.9	25.8	38.8





#64
 Tetrachloroethene
 Concen: 2710.84 ug/l m
 RT: 10.62 min Scan# 2809
 Delta R.T. -0.01 min
 Lab File: VN050631.D
 Acq: 15 Aug 2018 3:56

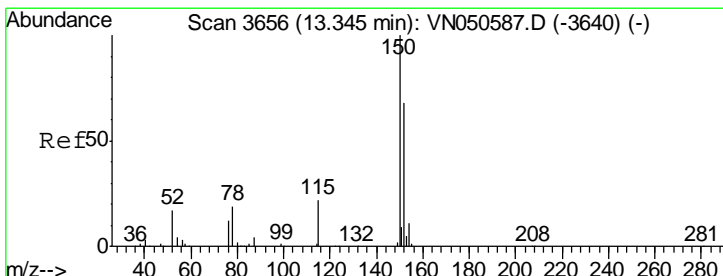
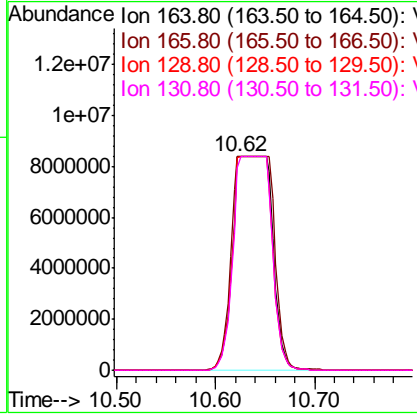
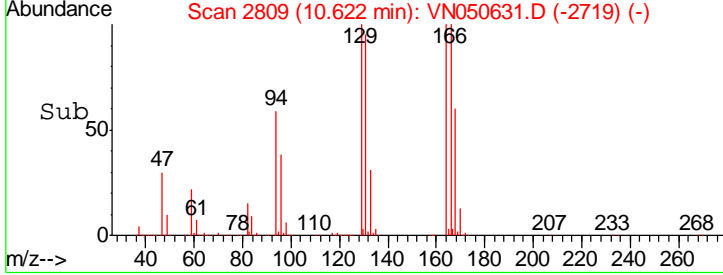
Instrument : MSVOA_N
 Client Sampled : 950-MW-17(15.5)



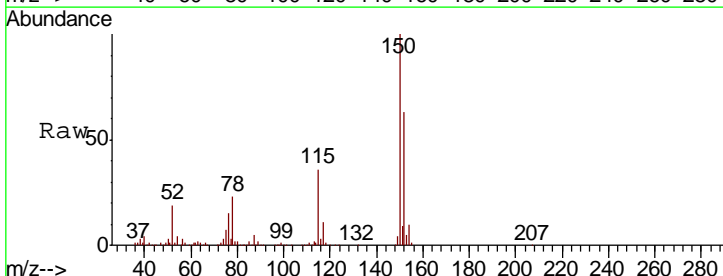
Tgt Ion:164 Resp:22793680

Ion	Ratio	Lower	Upper
164	100		
166	100.0	102.1	153.1#
129	99.5	72.7	109.1
131	94.7	69.9	104.9

Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:32:39 PM

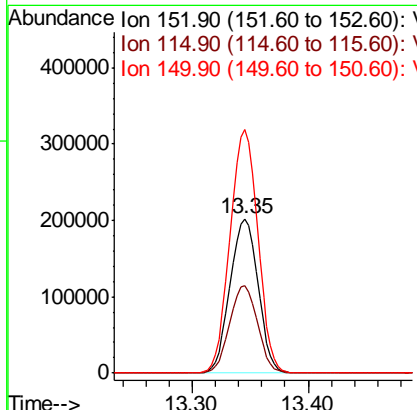
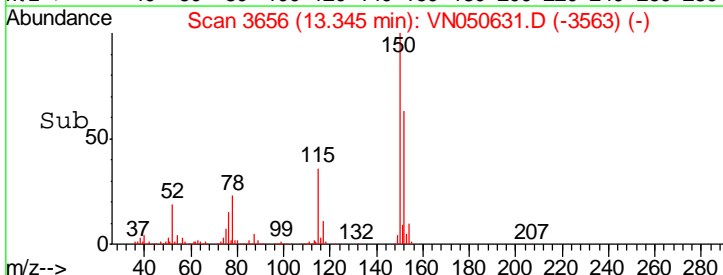


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050631.D
 Acq: 15 Aug 2018 3:56



Tgt Ion:152 Resp: 337892

Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.2
150	156.5	0.0	347.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050631.D
 Acq On : 15 Aug 2018 3:56
 Operator : MD\SY
 Sample : J4465-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 950-MW-17(15.5)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.837	2236	2254	2277	rBV	1630904	3352780	1.36%	1.307%
2	10.091	2629	2644	2672	rBV	1921473	3582164	1.45%	1.397%
3	10.638	2795	2814	2852	rBV5	126323954	246980627	100.00%	96.290%
4	11.410	3039	3054	3079	rVB	1443483	2582056	1.05%	1.007%

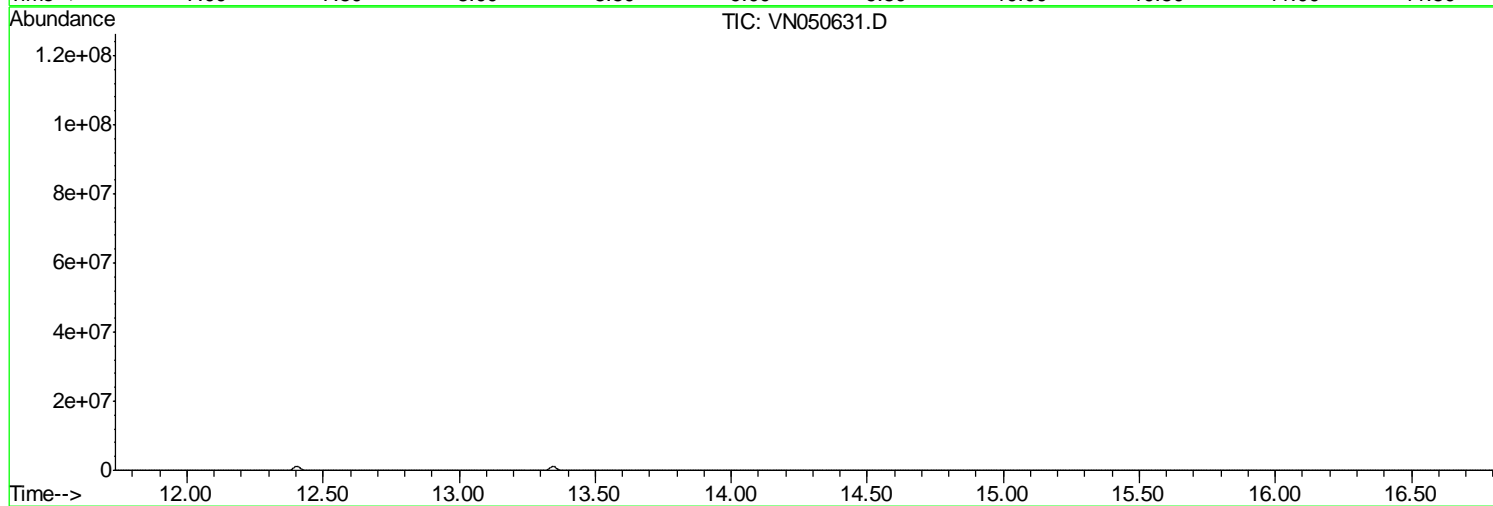
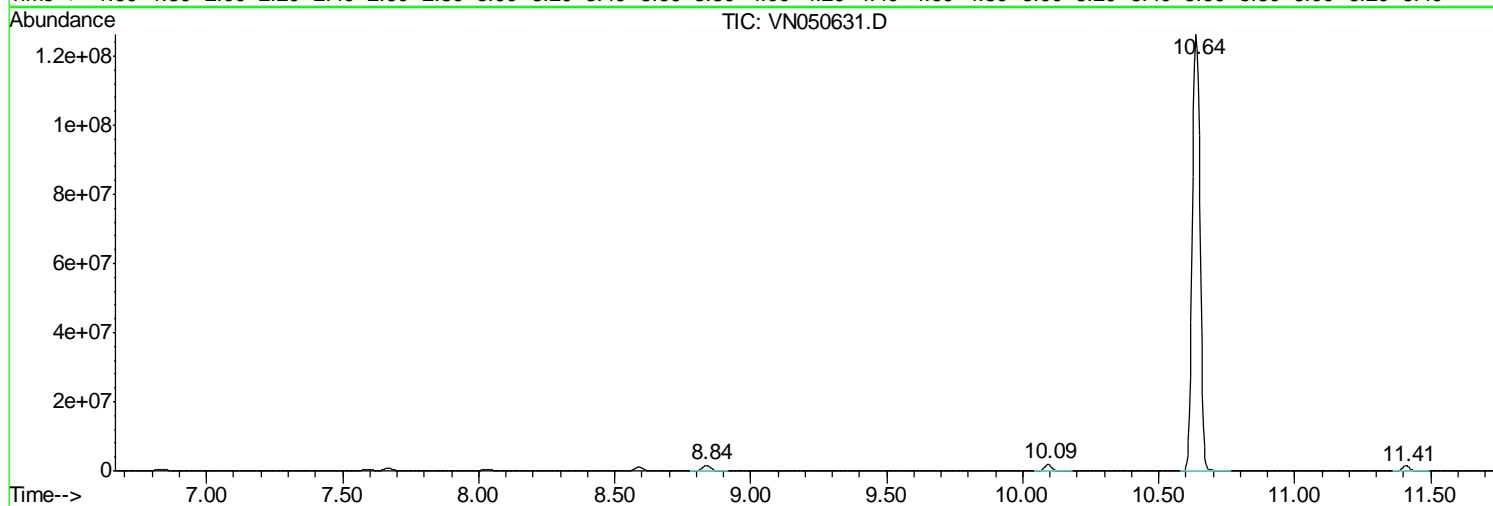
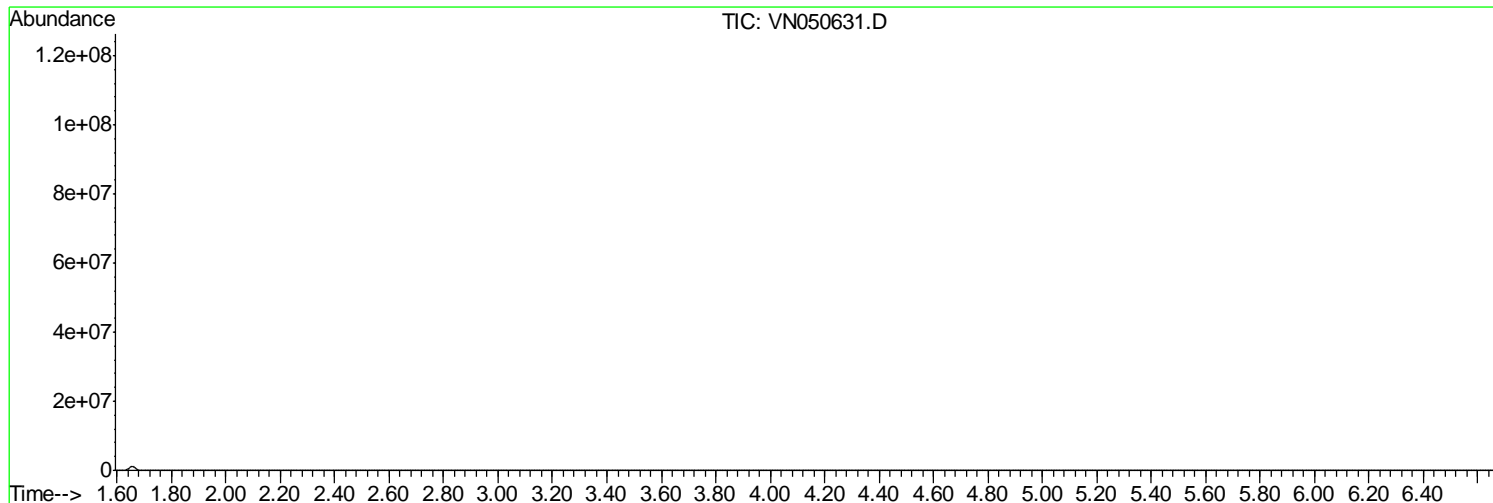
Sum of corrected areas: 256497627

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050631.D
Acq On : 15 Aug 2018 3:56
Operator : MD\SY
Sample : J4465-13
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
950-MW-17(15.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050631.D
Acq On : 15 Aug 2018 3:56
Operator : MD\SY
Sample : J4465-13
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
950-MW-17(15.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050631.D
Acq On : 15 Aug 2018 3:56
Operator : MD\SY
Sample : J4465-13
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
950-MW-17(15.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	950-MW-17(15.5)DL	SDG No.:	J4465
Lab Sample ID:	J4465-13DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050649.D	100		08/15/18 12:45	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	100	UD	20	20	100	ug/L
74-87-3	Chloromethane	100	UD	20	20	100	ug/L
75-01-4	Vinyl Chloride	100	UD	20	20	100	ug/L
74-83-9	Bromomethane	100	UD	20	20	100	ug/L
75-00-3	Chloroethane	100	UD	20	50	100	ug/L
75-69-4	Trichlorofluoromethane	100	UD	20	20	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	100	UD	20	20	100	ug/L
75-35-4	1,1-Dichloroethene	100	UD	20	20	100	ug/L
67-64-1	Acetone	500	UD	50	100	500	ug/L
75-15-0	Carbon Disulfide	100	UD	20	20	100	ug/L
1634-04-4	Methyl tert-butyl Ether	100	UD	35	50	100	ug/L
79-20-9	Methyl Acetate	100	UD	20	50	100	ug/L
75-09-2	Methylene Chloride	100	UD	20	20	100	ug/L
156-60-5	trans-1,2-Dichloroethene	100	UD	20	20	100	ug/L
75-34-3	1,1-Dichloroethane	100	UD	20	20	100	ug/L
110-82-7	Cyclohexane	100	UD	20	20	100	ug/L
78-93-3	2-Butanone	500	UD	130	250	500	ug/L
56-23-5	Carbon Tetrachloride	100	UD	20	20	100	ug/L
156-59-2	cis-1,2-Dichloroethene	39	JD	20	20	100	ug/L
74-97-5	Bromochloromethane	100	UD	20	50	100	ug/L
67-66-3	Chloroform	100	UD	20	20	100	ug/L
71-55-6	1,1,1-Trichloroethane	100	UD	20	20	100	ug/L
108-87-2	Methylcyclohexane	100	UD	20	20	100	ug/L
71-43-2	Benzene	100	UD	20	20	100	ug/L
107-06-2	1,2-Dichloroethane	100	UD	20	20	100	ug/L
79-01-6	Trichloroethene	64	JD	20	20	100	ug/L
78-87-5	1,2-Dichloropropane	100	UD	20	20	100	ug/L
75-27-4	Bromodichloromethane	100	UD	20	20	100	ug/L
108-10-1	4-Methyl-2-Pentanone	500	UD	100	100	500	ug/L
108-88-3	Toluene	100	UD	20	20	100	ug/L
10061-02-6	t-1,3-Dichloropropene	100	UD	20	20	100	ug/L
10061-01-5	cis-1,3-Dichloropropene	100	UD	20	20	100	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	950-MW-17(15.5)DL	SDG No.:	J4465
Lab Sample ID:	J4465-13DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050649.D	100		08/15/18 12:45	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	100	UD	20	20	100	ug/L
591-78-6	2-Hexanone	500	UD	190	250	500	ug/L
124-48-1	Dibromochloromethane	100	UD	20	20	100	ug/L
106-93-4	1,2-Dibromoethane	100	UD	20	20	100	ug/L
127-18-4	Tetrachloroethene	3500	D	20	20	100	ug/L
108-90-7	Chlorobenzene	100	UD	20	20	100	ug/L
100-41-4	Ethyl Benzene	100	UD	20	20	100	ug/L
179601-23-1	m/p-Xylenes	200	UD	40	40	200	ug/L
95-47-6	o-Xylene	100	UD	20	20	100	ug/L
100-42-5	Styrene	100	UD	20	20	100	ug/L
75-25-2	Bromoform	100	UD	20	20	100	ug/L
98-82-8	Isopropylbenzene	100	UD	20	20	100	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	100	UD	20	20	100	ug/L
541-73-1	1,3-Dichlorobenzene	100	UD	20	20	100	ug/L
106-46-7	1,4-Dichlorobenzene	100	UD	20	20	100	ug/L
95-50-1	1,2-Dichlorobenzene	100	UD	20	20	100	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	100	UD	20	20	100	ug/L
120-82-1	1,2,4-Trichlorobenzene	100	UD	20	20	100	ug/L
87-61-6	1,2,3-Trichlorobenzene	100	UD	20	20	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		61 - 141		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	47.7		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4		58 - 135		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	626971	7.67				
540-36-3	1,4-Difluorobenzene	974575	8.59				
3114-55-4	Chlorobenzene-d5	874774	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	322229	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	950-MW-17(15.5)DL	SDG No.:	J4465
Lab Sample ID:	J4465-13DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050649.D	100		08/15/18 12:45	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050649.D
 Acq On : 15 Aug 2018 12:45
 Operator : MD\SY
 Sample : J4465-13DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 950-MW-17(15.5)DL

Quant Time: Aug 16 02:29:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	626971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	974575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	874774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	322229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	420154	53.16	ug/l	0.00
Spiked Amount						
						Recovery = 106.32%
35) Dibromofluoromethane	7.59	113	389823	50.10	ug/l	0.00
Spiked Amount						
						Recovery = 100.20%
50) Toluene-d8	10.09	98	1398057	47.74	ug/l	0.00
Spiked Amount						
						Recovery = 95.48%
62) 4-Bromofluorobenzene	12.40	95	400496	41.40	ug/l	0.00
Spiked Amount						
						Recovery = 82.80%

Target Compounds

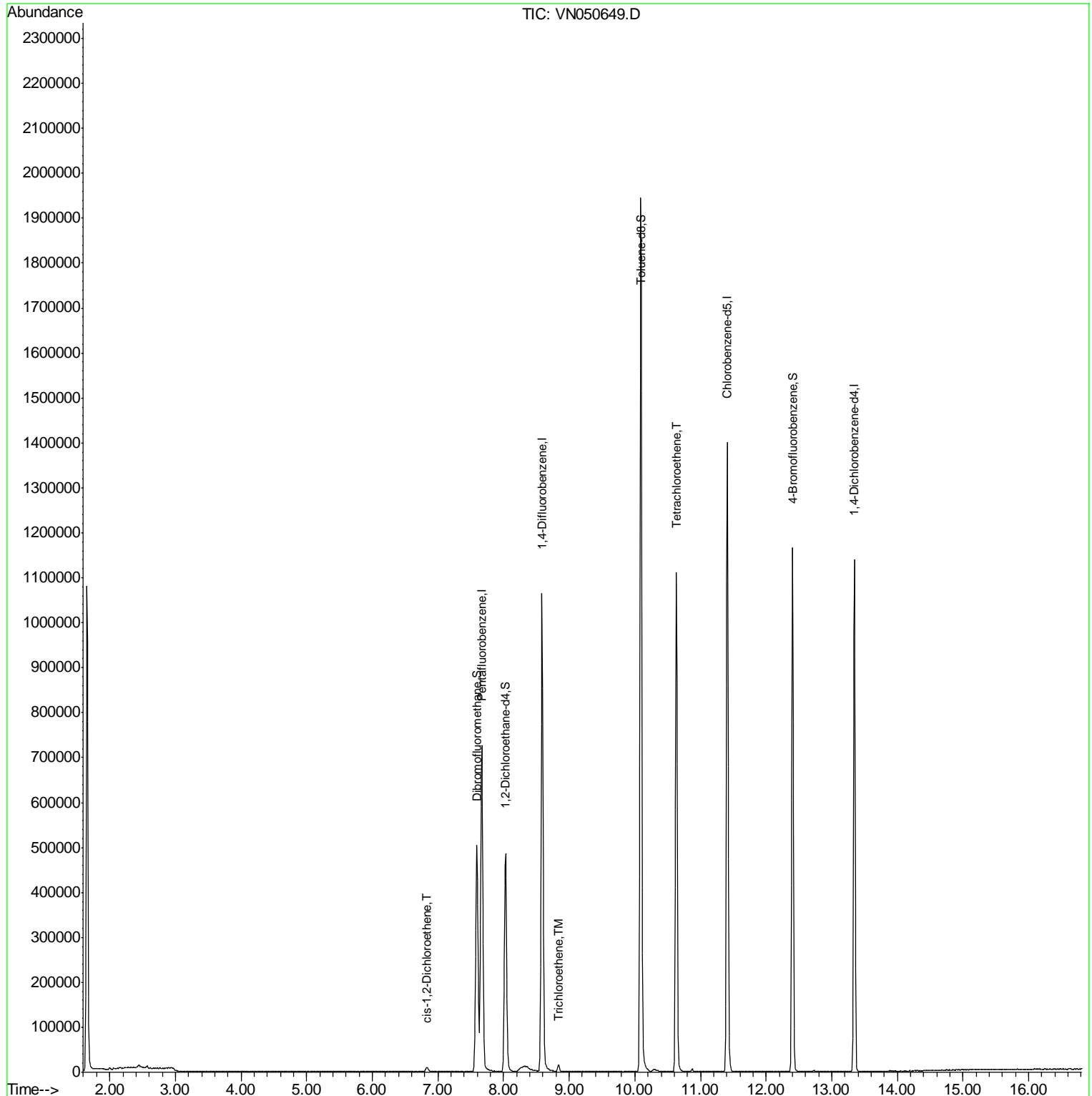
						Qvalue
27) cis-1,2-Dichloroethene	6.84	96	3182	0.39	ug/l	92
44) Trichloroethene	8.84	130	5673	0.64	ug/l	90
64) Tetrachloroethene	10.63	164	285791	35.18	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

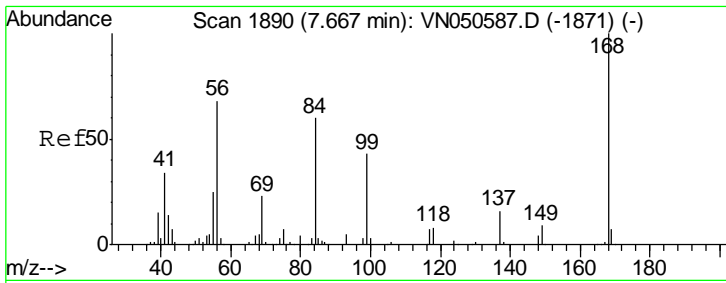
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050649.D
 Acq On : 15 Aug 2018 12:45
 Operator : MD\SY
 Sample : J4465-13DL 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 950-MW-17(15.5)DL

Quant Time: Aug 16 02:29:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



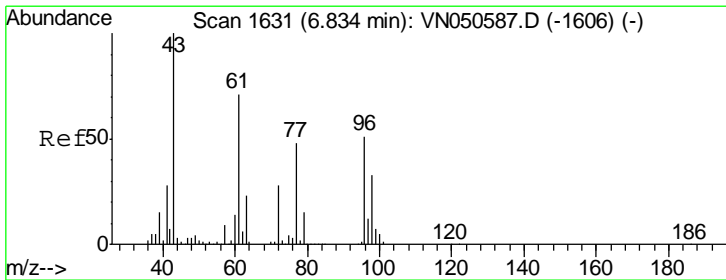
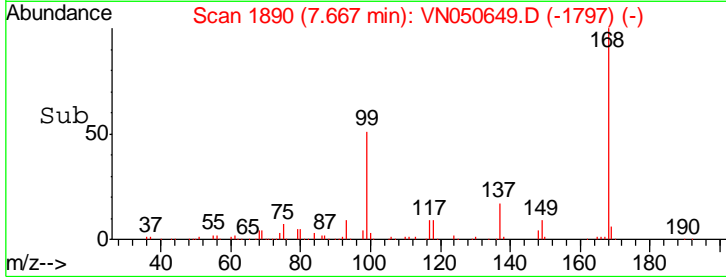
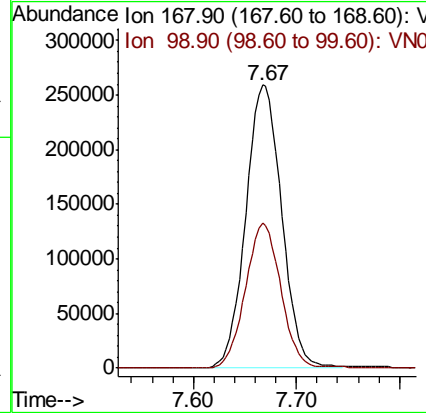
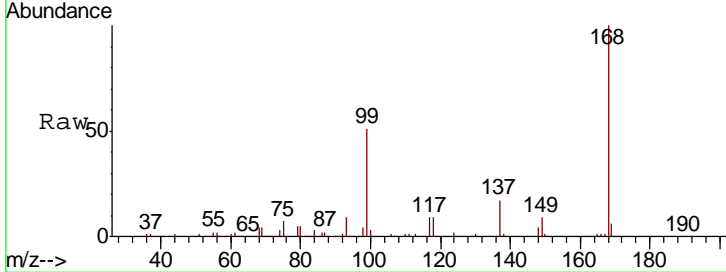
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050649.D
 Acq: 15 Aug 2018 12:45

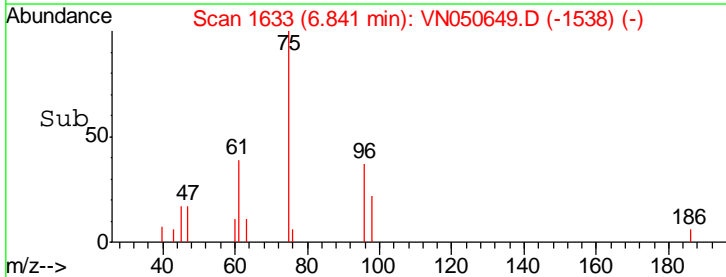
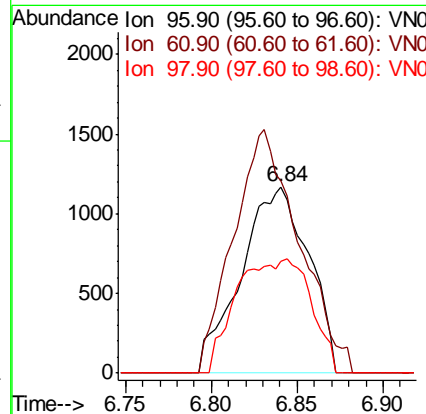
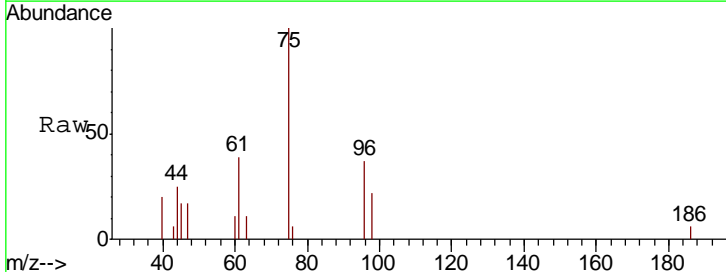
Instrument : MSVOA_N
 ClientSampleId : 950-MW-17(15.5)DL

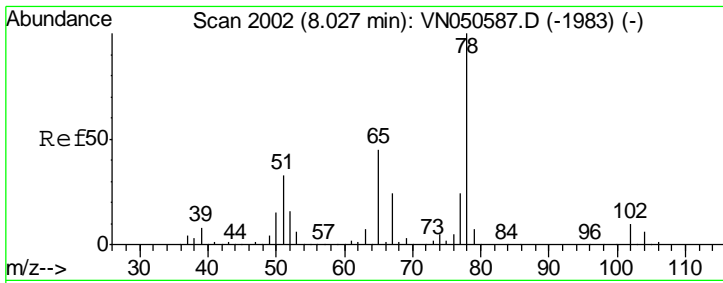
Tgt Ion	Resp	Lower	Upper
168	100		
99	51.3	40.8	61.2



#27
 cis-1,2-Dichloroethene
 Concen: 0.39 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.01 min
 Lab File: VN050649.D
 Acq: 15 Aug 2018 12:45

Tgt Ion	Resp	Lower	Upper
96	100		
61	127.0	0.0	278.2
98	67.8	0.0	128.8

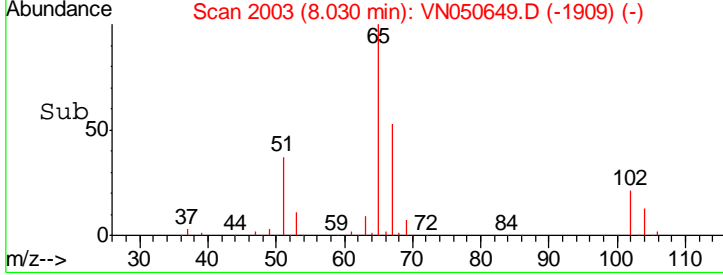
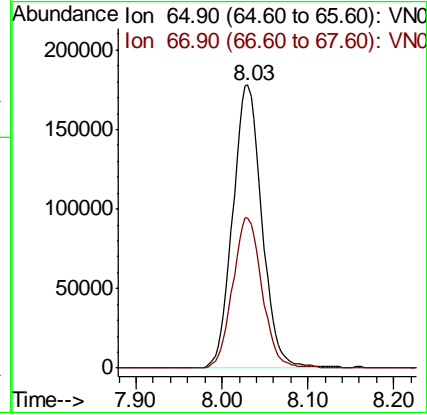
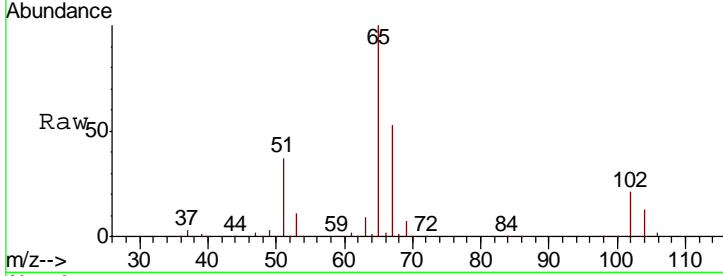




#33
 1,2-Dichloroethane-d4
 Concen: 53.16 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050649.D
 Acq: 15 Aug 2018 12:45

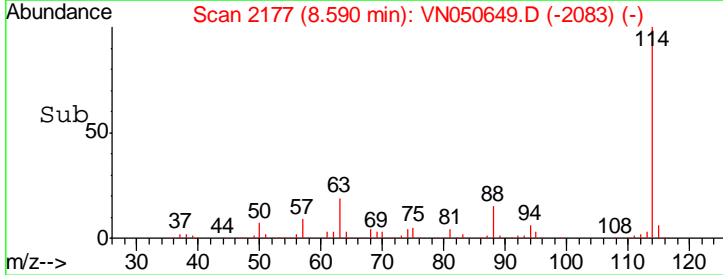
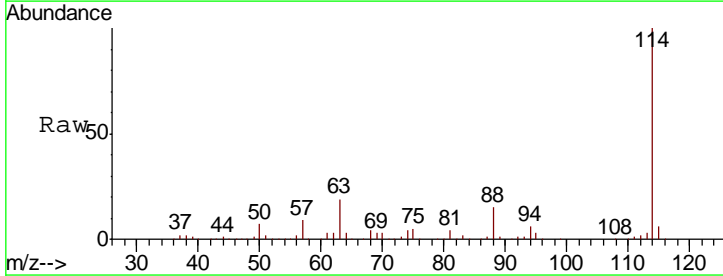
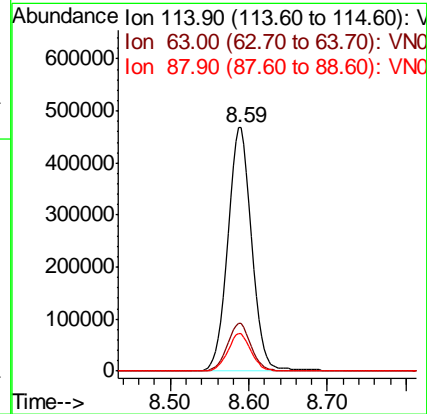
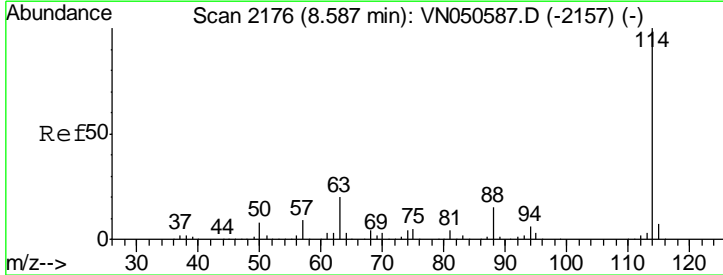
Instrument : MSVOA_N
 ClientSampleId : 950-MW-17(15.5)DL

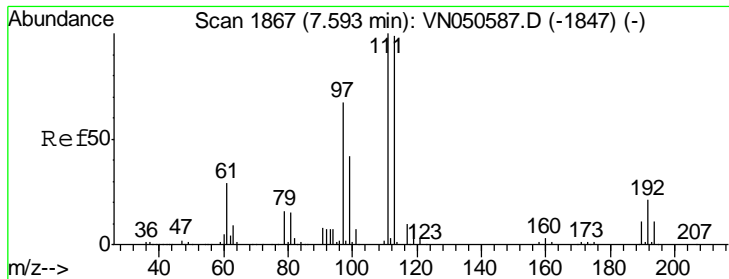
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.3	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050649.D
 Acq: 15 Aug 2018 12:45

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.5	0.0	40.0
88	15.3	0.0	30.8

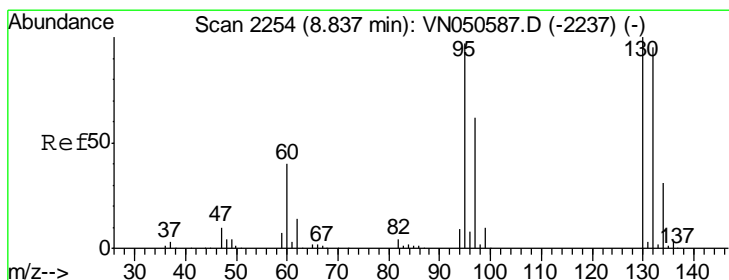
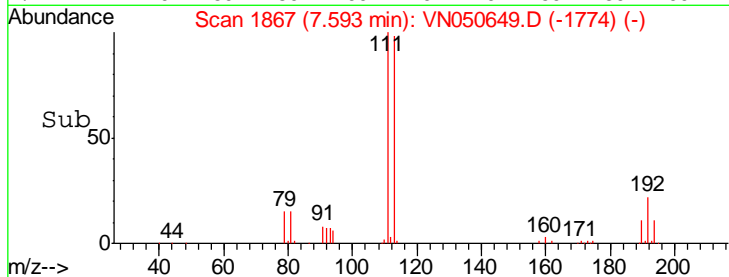
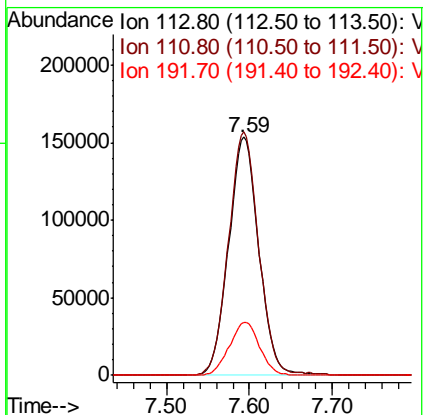
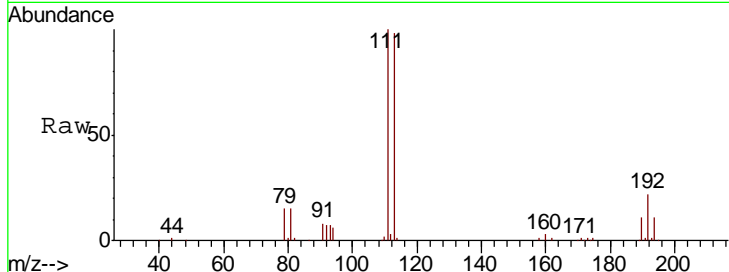




#35
 Dibromofluoromethane
 Concen: 50.10 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050649.D
 Acq: 15 Aug 2018 12:45

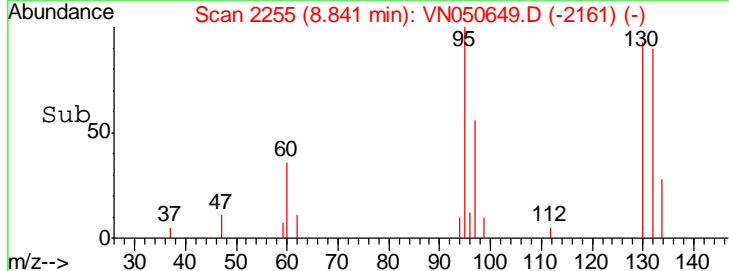
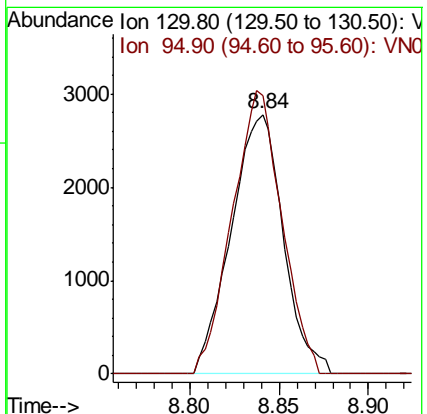
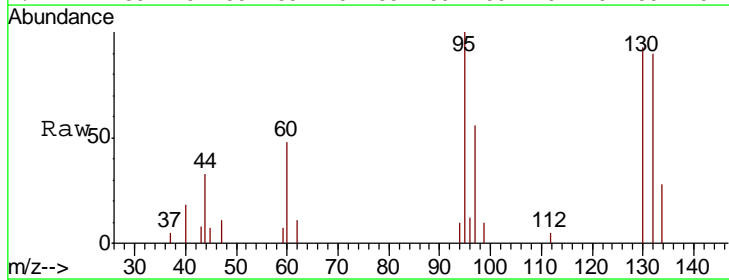
Instrument : MSVOA_N
 ClientSampled : 950-MW-17(15.5)DL

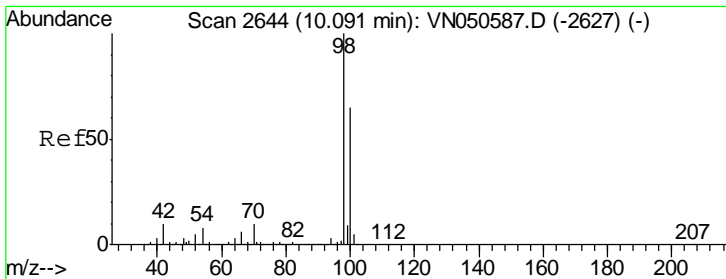
Tgt Ion	Resp	Lower	Upper
113	389823		
111	101.6	81.0	121.6
192	22.3	17.6	26.4



#44
 Trichloroethene
 Concen: 0.64 ug/l
 RT: 8.84 min Scan# 2255
 Delta R.T. 0.00 min
 Lab File: VN050649.D
 Acq: 15 Aug 2018 12:45

Tgt Ion	Resp	Lower	Upper
130	5673		
130	100		
95	107.0	0.0	193.8

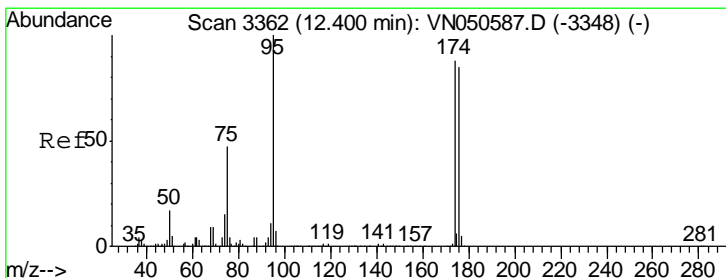
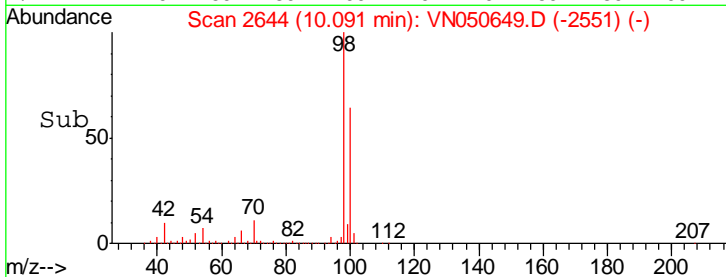
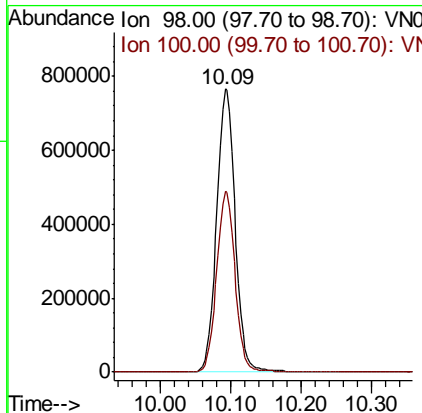
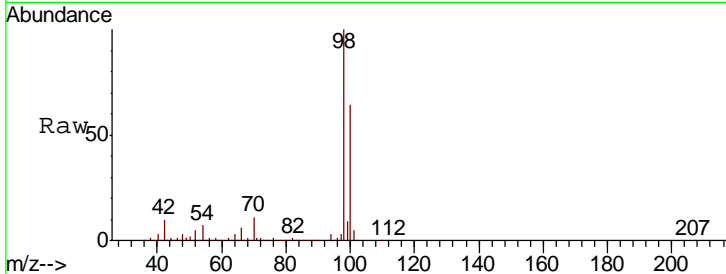




#50
 Toluene-d8
 Concen: 47.74 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050649.D
 Acq: 15 Aug 2018 12:45

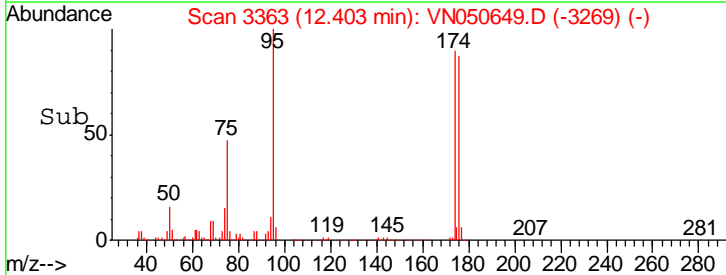
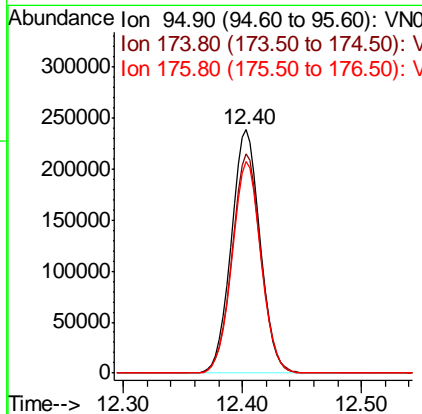
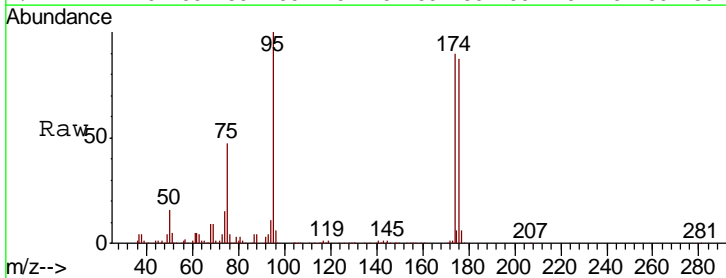
Instrument :
 MSVOA_N
 ClientSampled :
 950-MW-17(15.5)DL

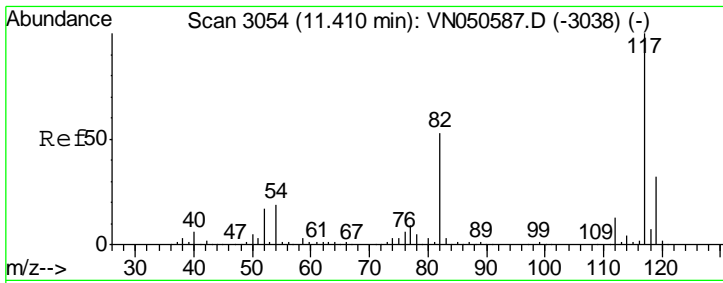
Tgt Ion	Resp	Lower	Upper
98	1398057		
98	100		
100	63.7	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 41.40 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050649.D
 Acq: 15 Aug 2018 12:45

Tgt Ion	Resp	Lower	Upper
95	400496		
95	100		
174	90.3	0.0	177.8
176	87.0	0.0	175.0



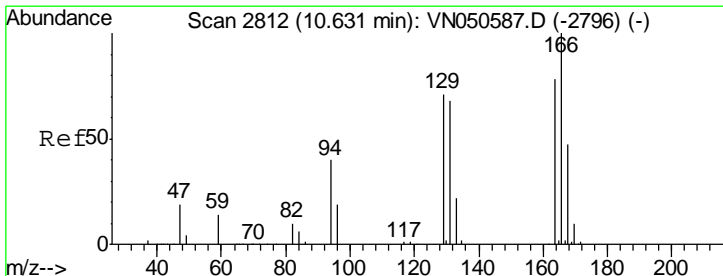
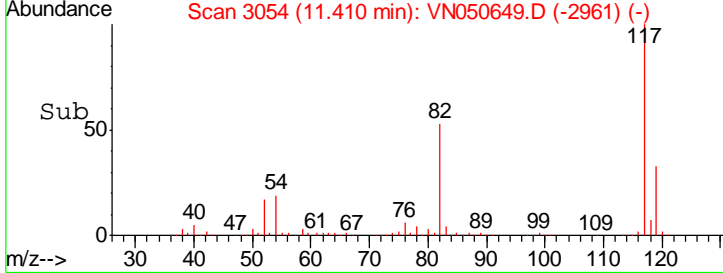
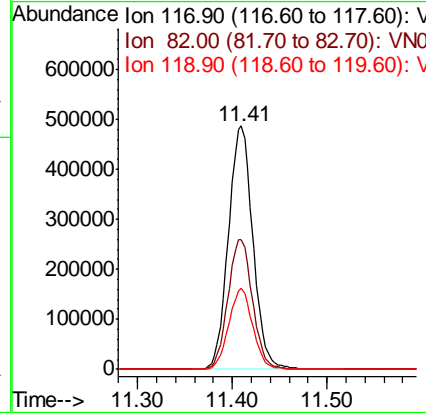
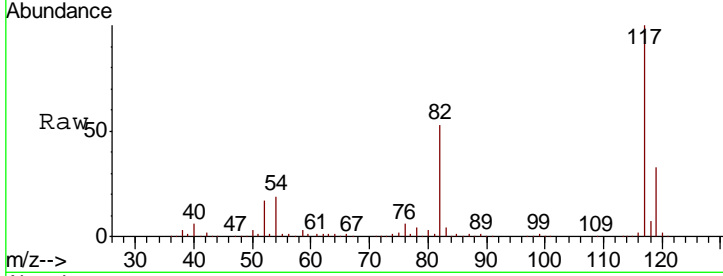


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050649.D
 Acq: 15 Aug 2018 12:45

Instrument : MSVOA_N
 ClientSampleId : 950-MW-17(15.5)DL

Tgt Ion: 117 Resp: 874774

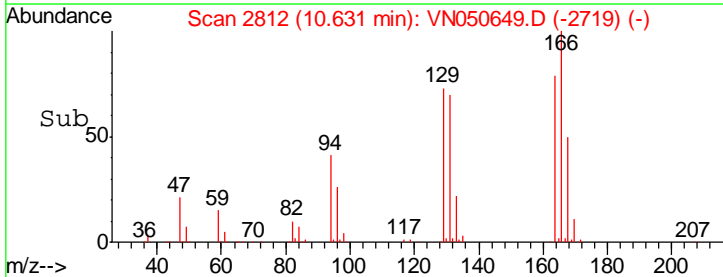
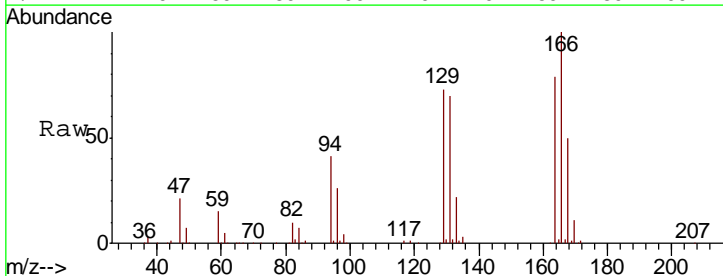
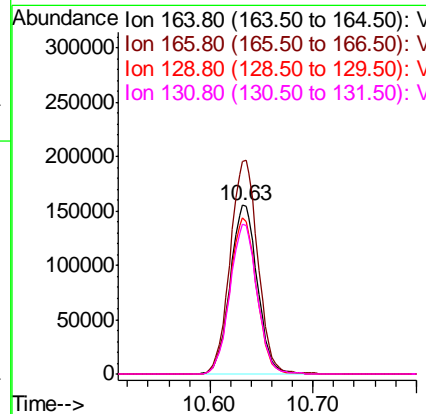
Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.4	63.6
119	33.2	25.8	38.8

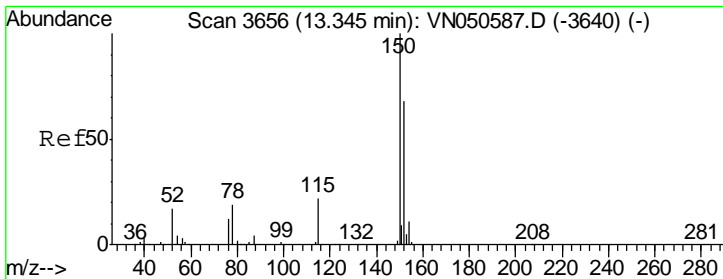


#64
 Tetrachloroethene
 Concen: 35.18 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050649.D
 Acq: 15 Aug 2018 12:45

Tgt Ion: 164 Resp: 285791

Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.1	153.1
129	92.4	72.7	109.1
131	88.9	69.9	104.9

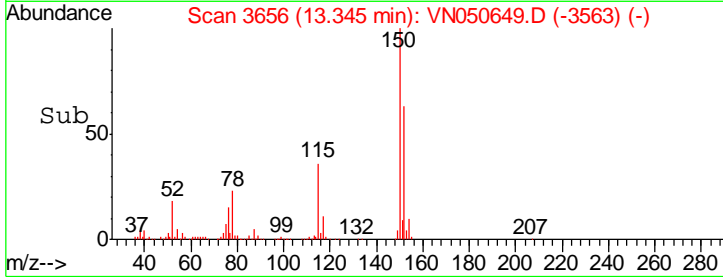
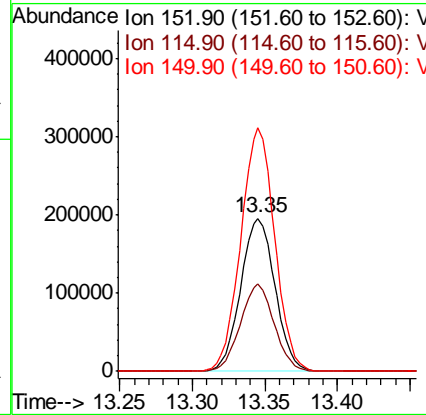
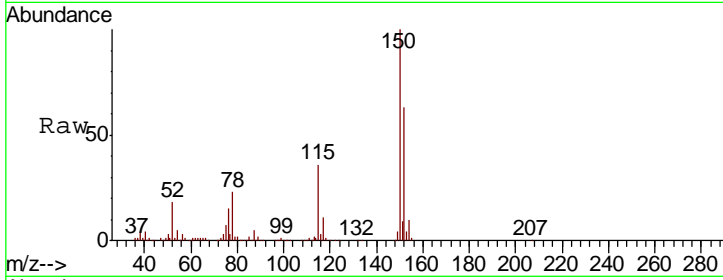




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050649.D
 Acq: 15 Aug 2018 12:45

Instrument : MSVOA_N
 ClientSampled : 950-MW-17(15.5)DL

Tot Ion	Resp	Lower	Upper
152	100		
115	56.0	28.1	84.2
150	156.6	0.0	347.8



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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	951-MW-18(21.5)	SDG No.:	J4465
Lab Sample ID:	J4465-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050658.D	1		08/15/18 16:28	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	7.5		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	2.9		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	2.9		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	951-MW-18(21.5)	SDG No.:	J4465
Lab Sample ID:	J4465-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050658.D	1		08/15/18 16:28	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	50.6		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.8		61 - 141		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		69 - 133		102%	SPK: 50
2037-26-5	Toluene-d8	47.5		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	38		58 - 135		76%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	619761	7.67				
540-36-3	1,4-Difluorobenzene	955383	8.59				
3114-55-4	Chlorobenzene-d5	833764	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	292940	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	951-MW-18(21.5)	SDG No.:	J4465
Lab Sample ID:	J4465-14	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050658.D	1		08/15/18 16:28	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050658.D
 Acq On : 15 Aug 2018 16:28
 Operator : MD\SY
 Sample : J4465-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 951-MW-18(21.5)

Quant Time: Aug 16 03:51:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	619761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	955383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	833764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	420005	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
35) Dibromofluoromethane	7.59	113	389841	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.09	98	1364170	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
62) 4-Bromofluorobenzene	12.40	95	360182	37.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.96%	

Target Compounds

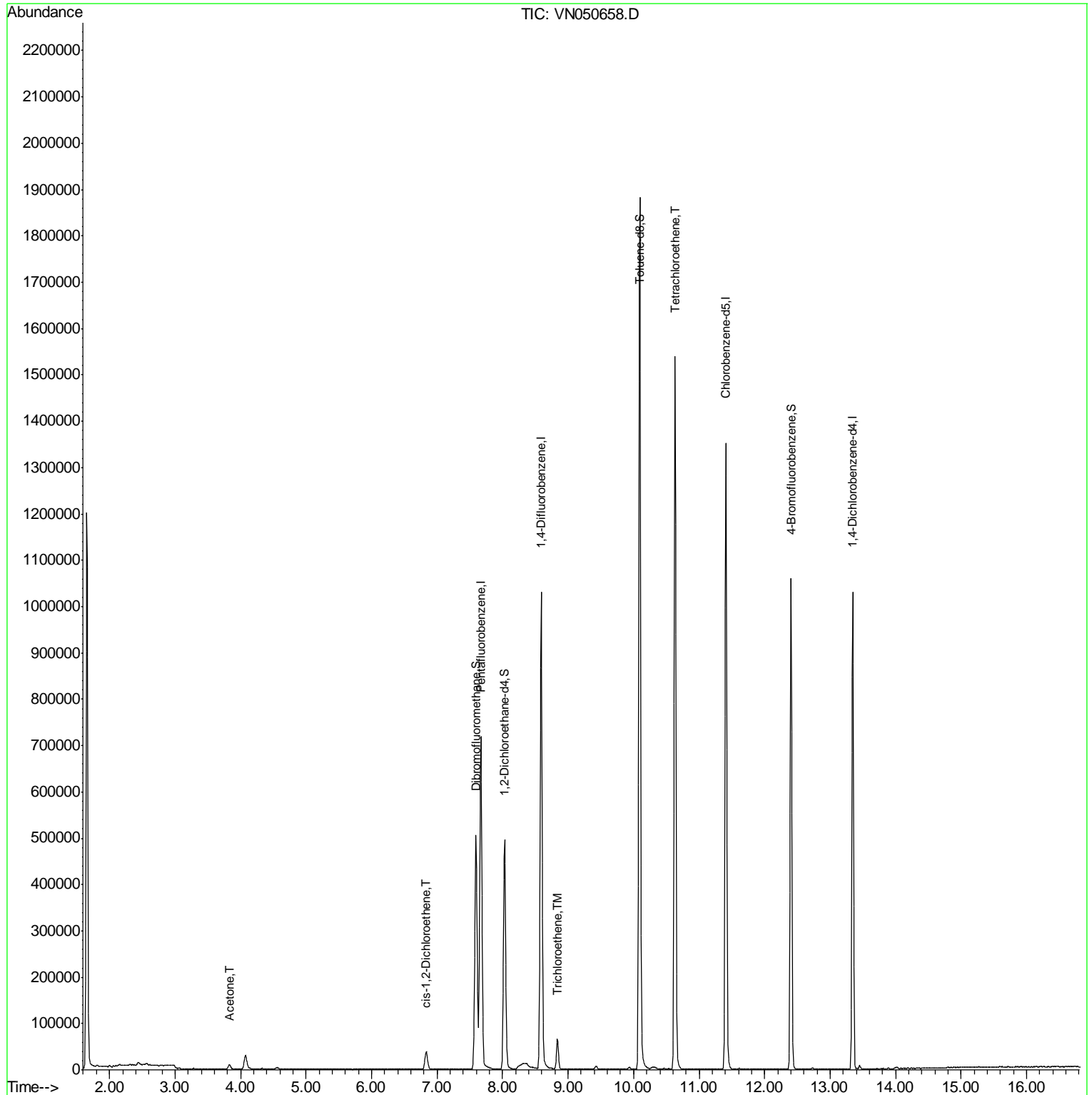
						Qvalue
16) Acetone	3.83	43	17380	7.50	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	23731	2.92	ug/l	92
44) Trichloroethene	8.84	130	25518	2.94	ug/l	96
64) Tetrachloroethene	10.63	164	391438	50.55	ug/l	99

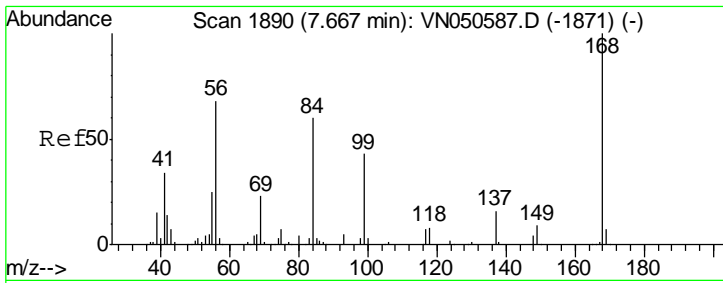
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050658.D
Acq On : 15 Aug 2018 16:28
Operator : MD\SY
Sample : J4465-14
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
951-MW-18(21.5)

Quant Time: Aug 16 03:51:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

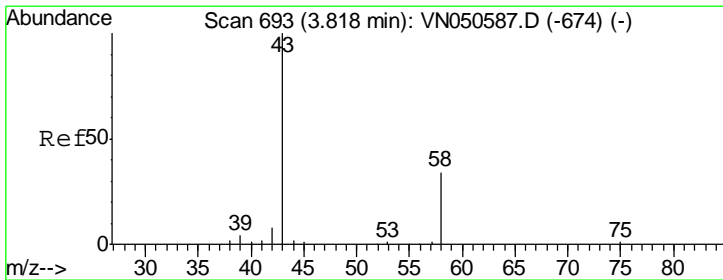
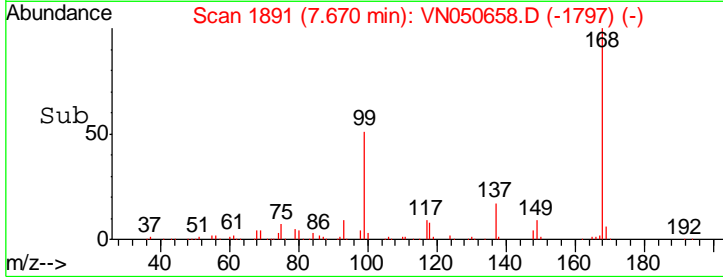
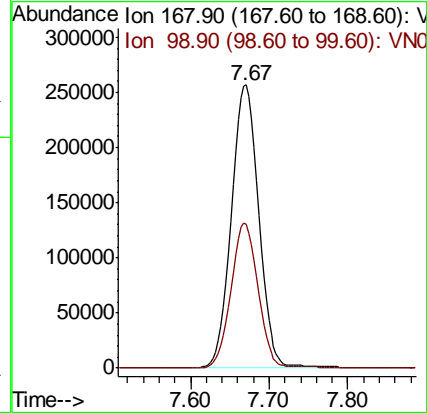
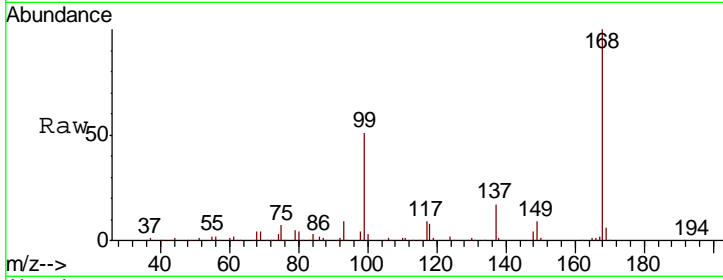




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050658.D
 Acq: 15 Aug 2018 16:28

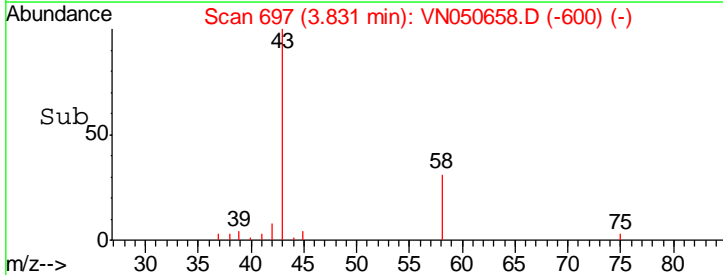
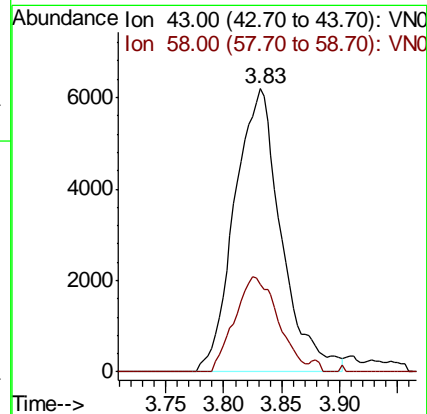
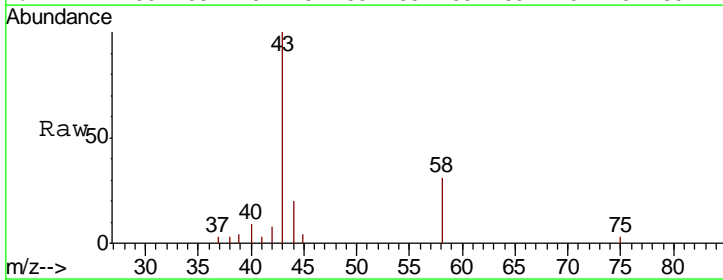
Instrument : MSVOA_N
 ClientSampled : 951-MW-18(21.5)

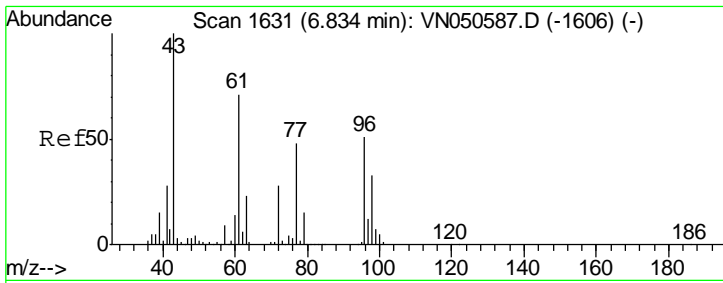
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.6	40.8	61.2



#16
 Acetone
 Concen: 7.50 ug/l
 RT: 3.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VN050658.D
 Acq: 15 Aug 2018 16:28

Tgt Ion	Resp	Lower	Upper
43	100		
58	30.8	27.1	40.7

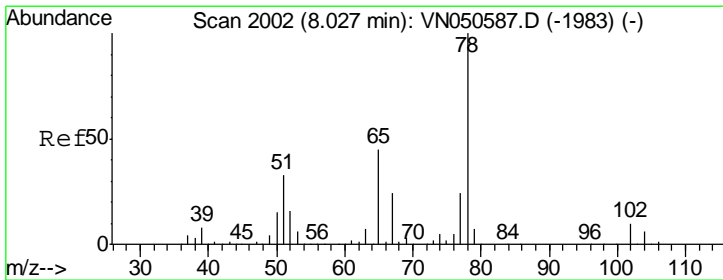
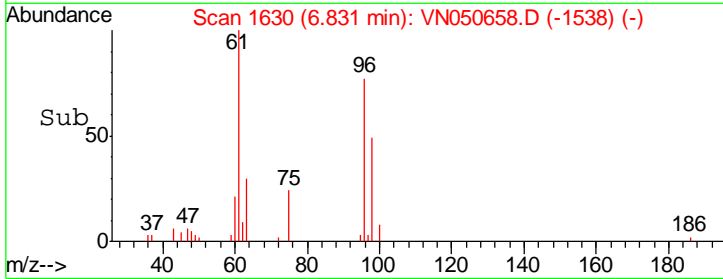
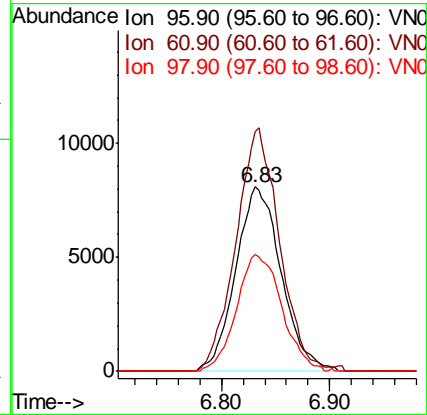
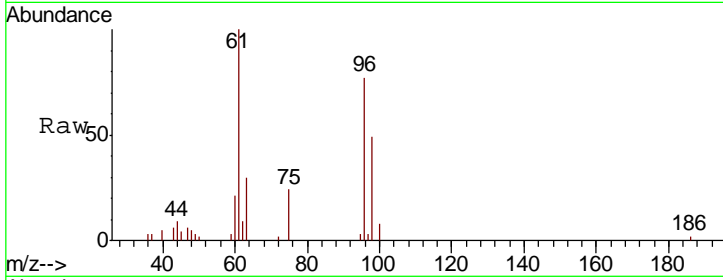




#27
 cis-1,2-Dichloroethene
 Concen: 2.92 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050658.D
 Acq: 15 Aug 2018 16:28

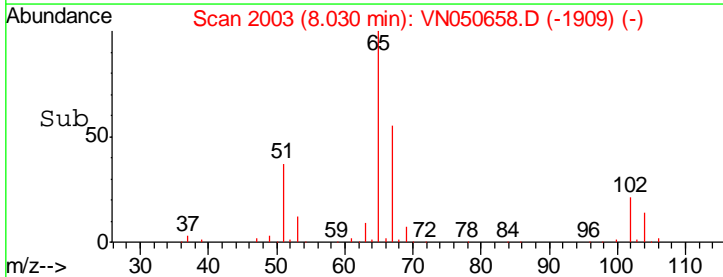
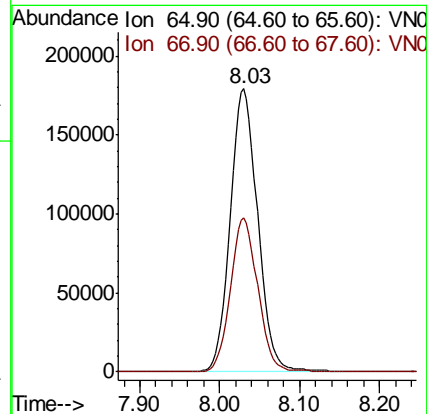
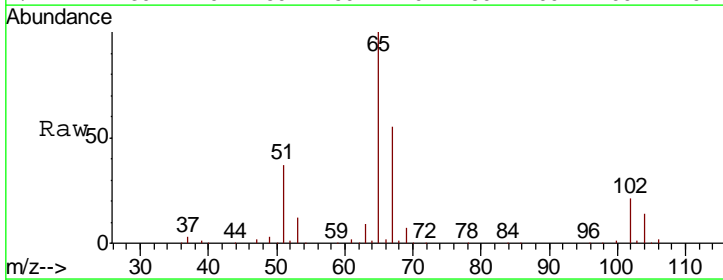
Instrument : MSVOA_N
 ClientSampleId : 951-MW-18(21.5)

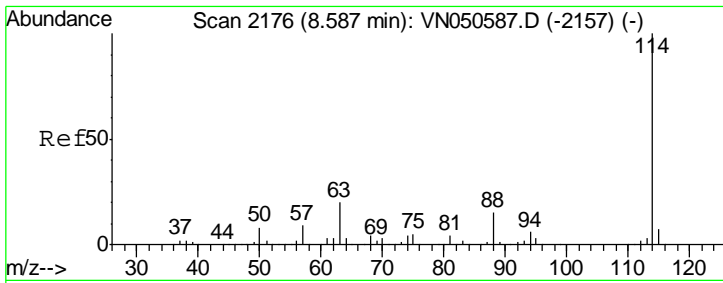
Tgt Ion	Resp	Lower	Upper
96	23731		
61	126.1	0.0	278.2
98	63.1	0.0	128.8



#33
 1,2-Dichloroethane-d4
 Concen: 53.76 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050658.D
 Acq: 15 Aug 2018 16:28

Tgt Ion	Resp	Lower	Upper
65	420005		
67	54.1	0.0	109.8

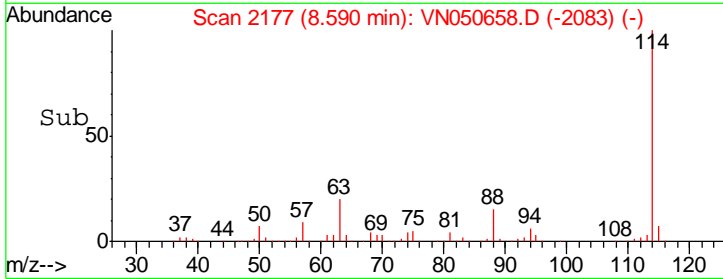
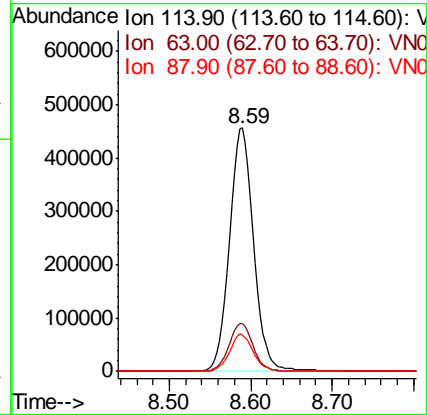
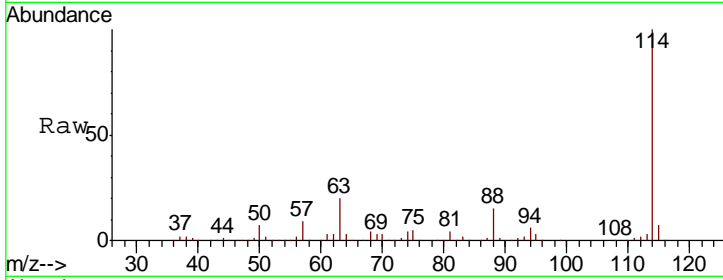




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050658.D
 Acq: 15 Aug 2018 16:28

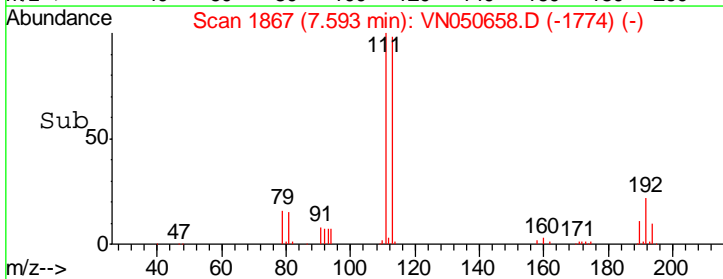
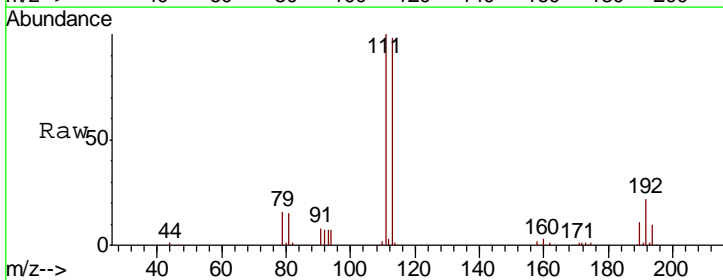
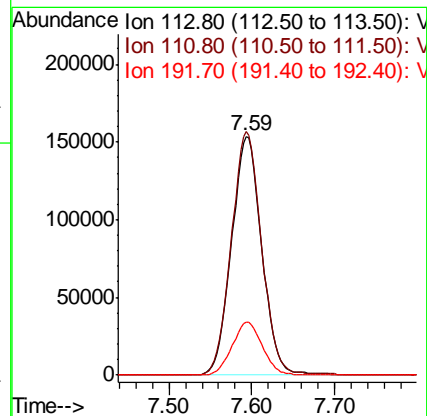
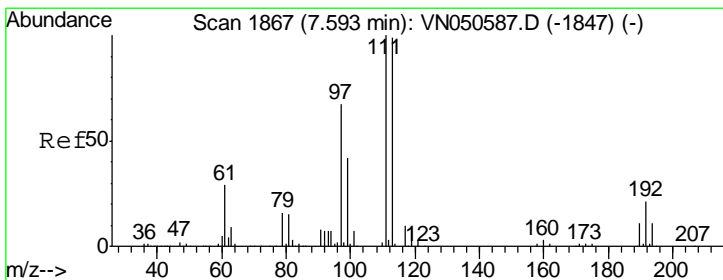
Instrument : MSVOA_N
 ClientSampleId : 951-MW-18(21.5)

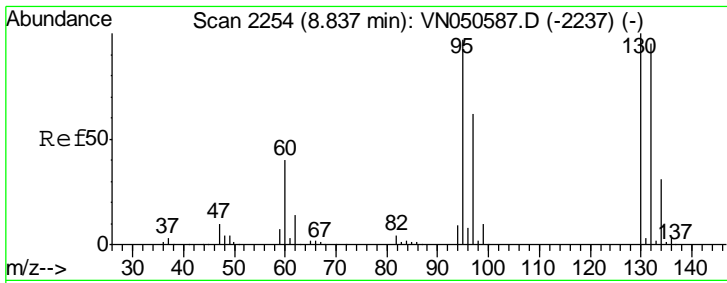
Tgt Ion	Resp	Lower	Upper
114	955383		
63	19.7	0.0	40.0
88	14.9	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 51.11 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050658.D
 Acq: 15 Aug 2018 16:28

Tgt Ion	Resp	Lower	Upper
113	389841		
111	102.2	81.0	121.6
192	22.3	17.6	26.4

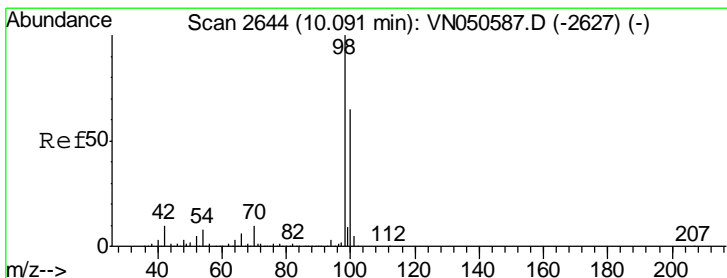
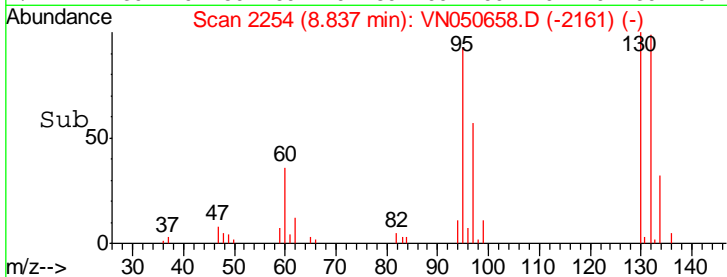
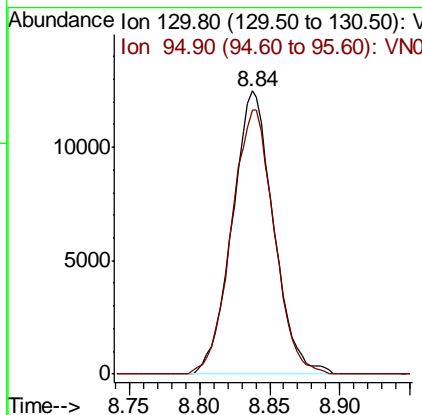
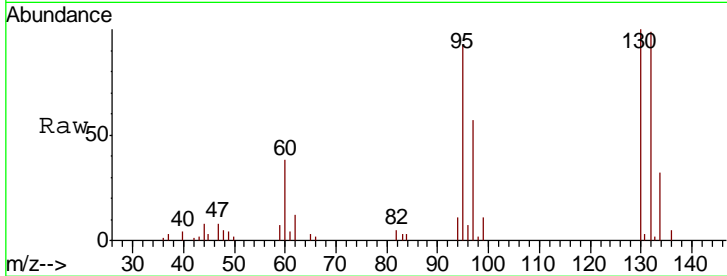




#44
 Trichloroethene
 Concen: 2.94 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050658.D
 Acq: 15 Aug 2018 16:28

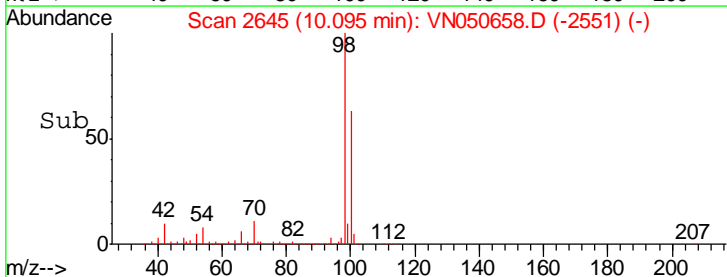
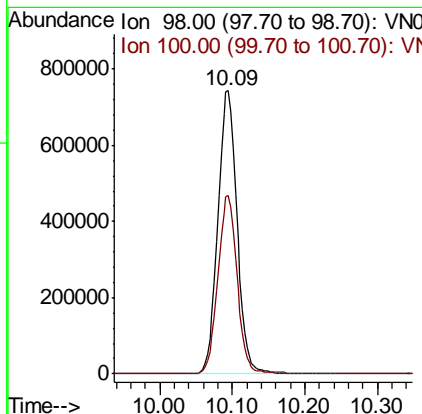
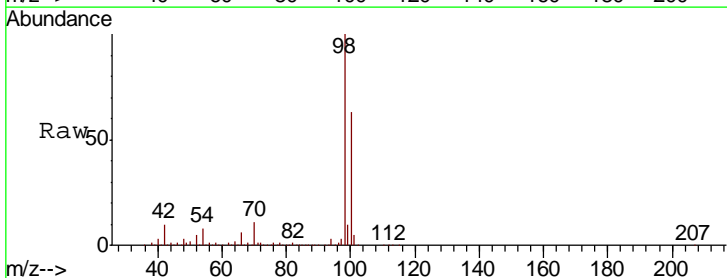
Instrument : MSVOA_N
 ClientSampled : 951-MW-18(21.5)

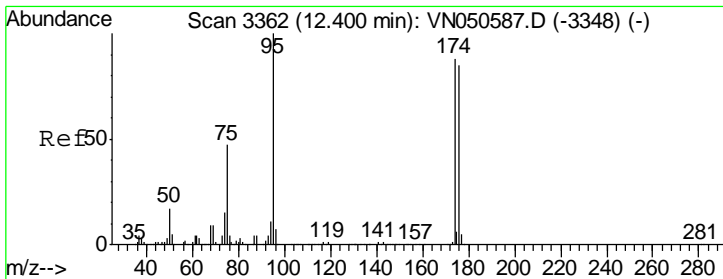
Tgt Ion	Resp	Lower	Upper
130	100		
95	93.2	0.0	193.8



#50
 Toluene-d8
 Concen: 47.52 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050658.D
 Acq: 15 Aug 2018 16:28

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.2	51.8	77.8

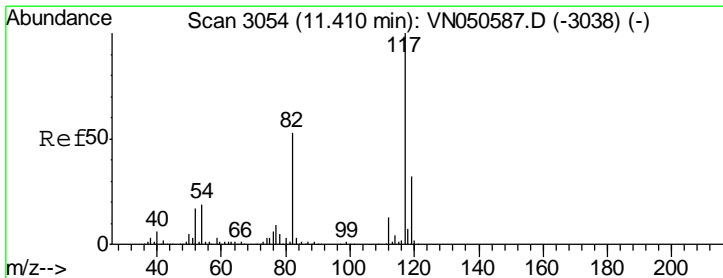
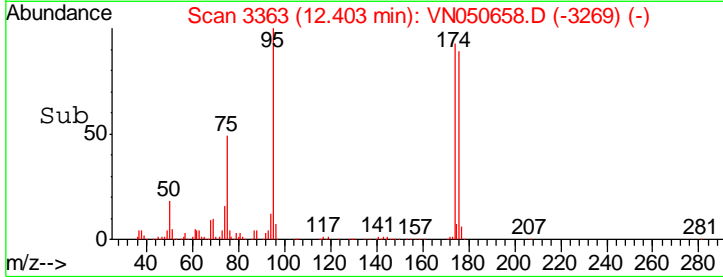
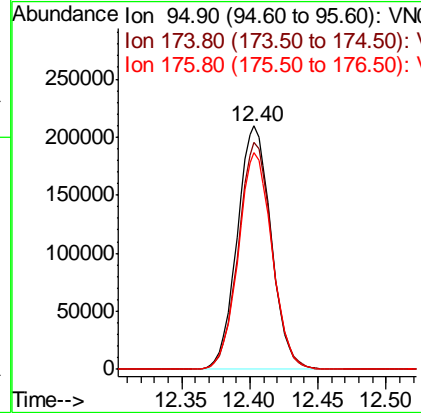
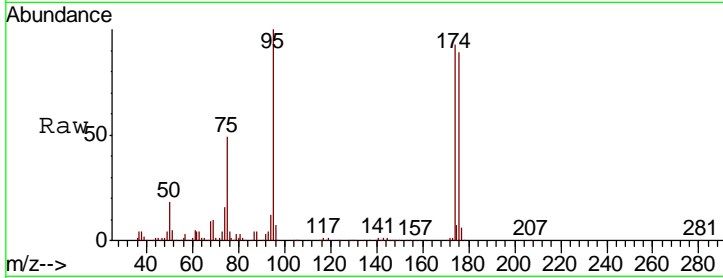




#62
 4-Bromofluorobenzene
 Concen: 37.98 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050658.D
 Acq: 15 Aug 2018 16:28

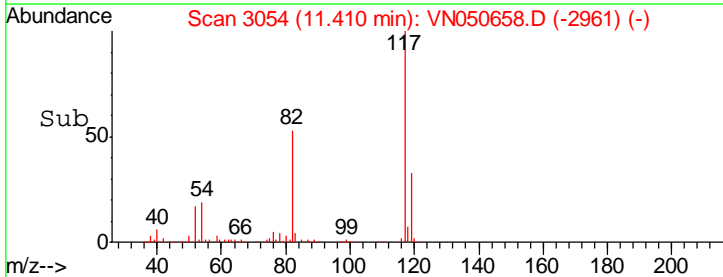
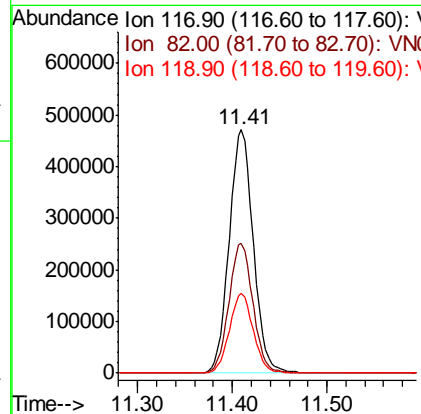
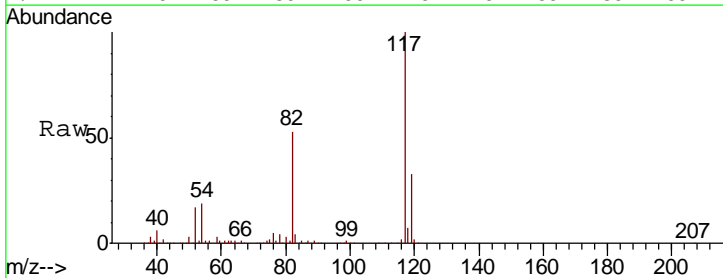
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 ClientSampled : 951-MW-18(21.5)

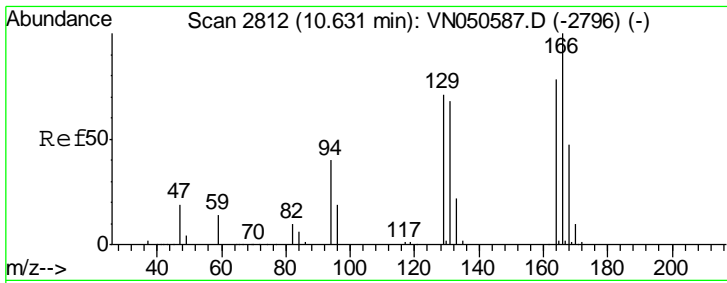
Tgt Ion	Resp	Lower	Upper
95	360182		
174	92.6	0.0	177.8
176	89.0	0.0	175.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050658.D
 Acq: 15 Aug 2018 16:28

Tgt Ion	Resp	Lower	Upper
117	833764		
82	53.3	42.4	63.6
119	32.8	25.8	38.8

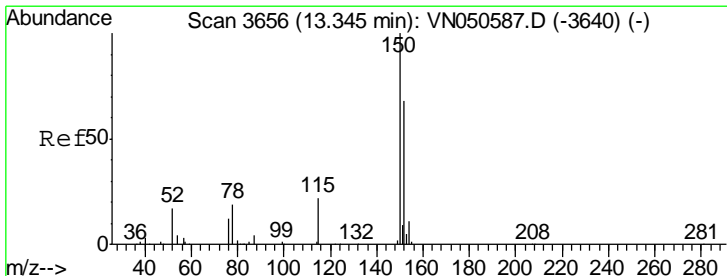
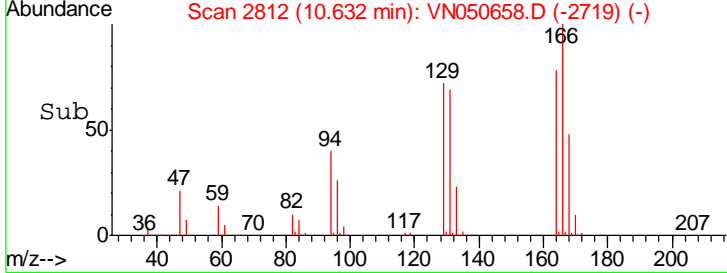
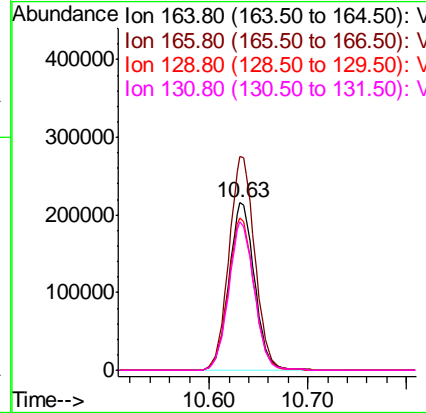
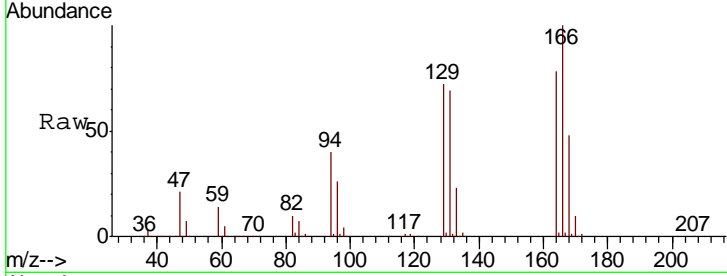




#64
 Tetrachloroethene
 Concen: 50.55 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050658.D
 Acq: 15 Aug 2018 16:28

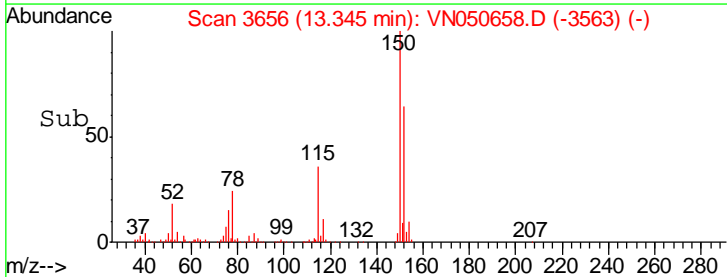
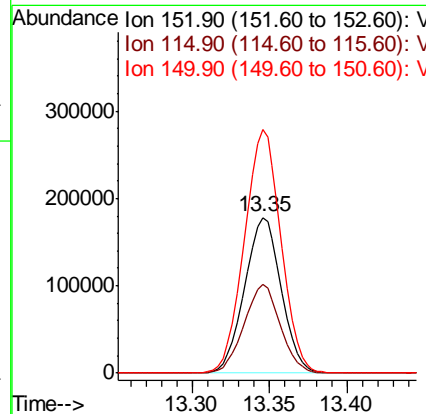
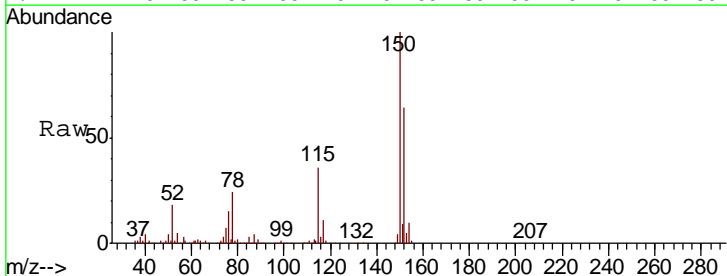
Instrument : MSVOA_N
 ClientSampled : 951-MW-18(21.5)

Tgt Ion	Resp	Lower	Upper
164	100		
166	127.8	102.1	153.1
129	91.4	72.7	109.1
131	88.7	69.9	104.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050658.D
 Acq: 15 Aug 2018 16:28

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.4	28.1	84.2
150	156.4	0.0	347.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050658.D
 Acq On : 15 Aug 2018 16:28
 Operator : MD\SY
 Sample : J4465-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 951-MW-18(21.5)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.654	3	20	51	rBV	1201100	1998849	57.30%	9.610%
2	4.076	757	773	793	rBV	29688	89148	2.56%	0.429%
3	6.834	1613	1631	1659	rBV3	38665	113024	3.24%	0.543%
4	7.593	1848	1867	1879	rBV	504980	1268236	36.35%	6.097%
5	7.667	1879	1890	1909	rVB	711561	1672688	47.95%	8.042%
6	8.030	1983	2003	2035	rBV2	495984	1160211	33.26%	5.578%
7	8.590	2158	2177	2211	rBV	1029223	2165604	62.08%	10.411%
8	8.837	2240	2254	2273	rVB2	65064	136317	3.91%	0.655%
9	10.095	2629	2645	2688	rBV	1881872	3488592	100.00%	16.772%
10	10.632	2794	2812	2843	rBV	1537533	2806668	80.45%	13.493%
11	11.410	3039	3054	3087	rBV	1352578	2393999	68.62%	11.509%
12	12.403	3349	3363	3389	rBV	1058539	1810890	51.91%	8.706%
13	13.345	3643	3656	3671	rBV	1030492	1696076	48.62%	8.154%

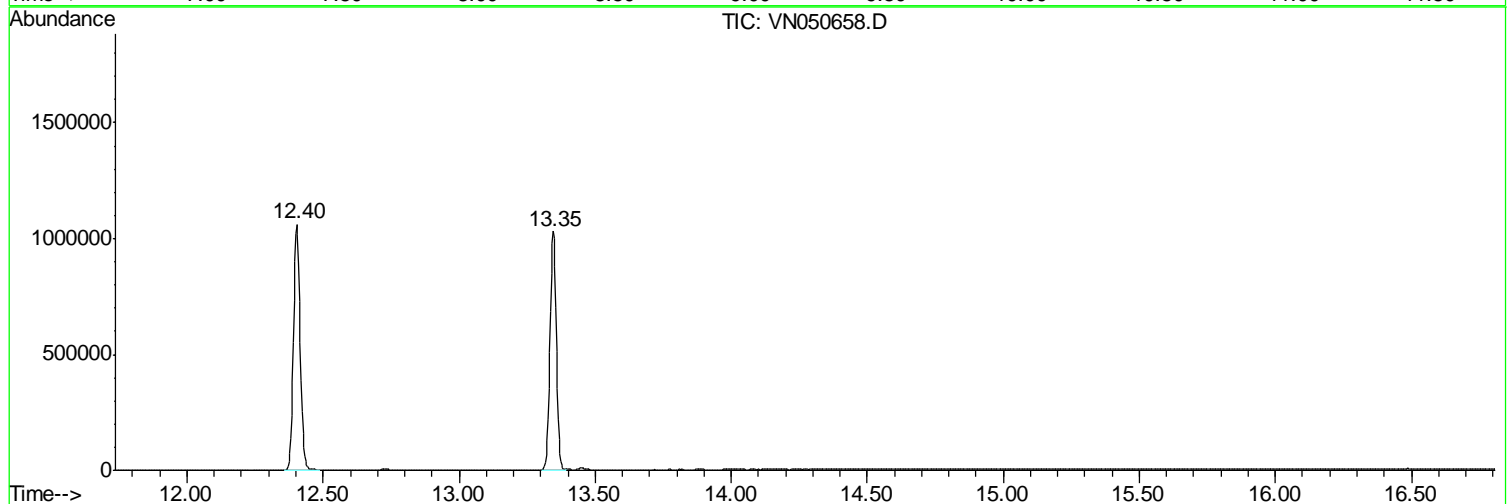
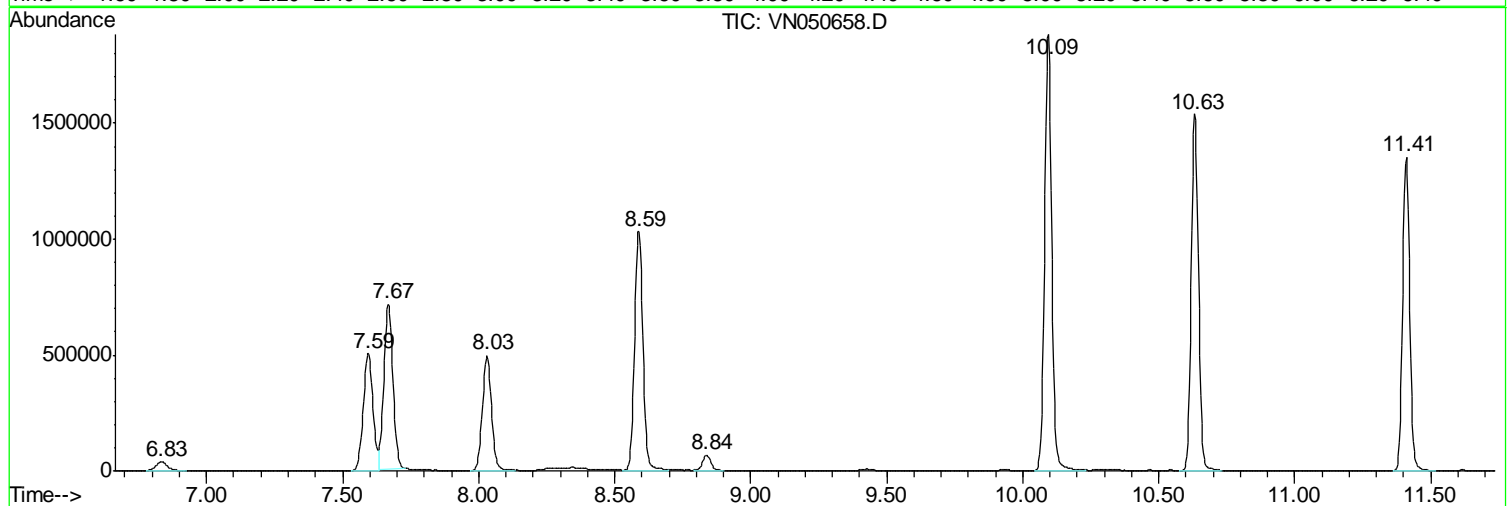
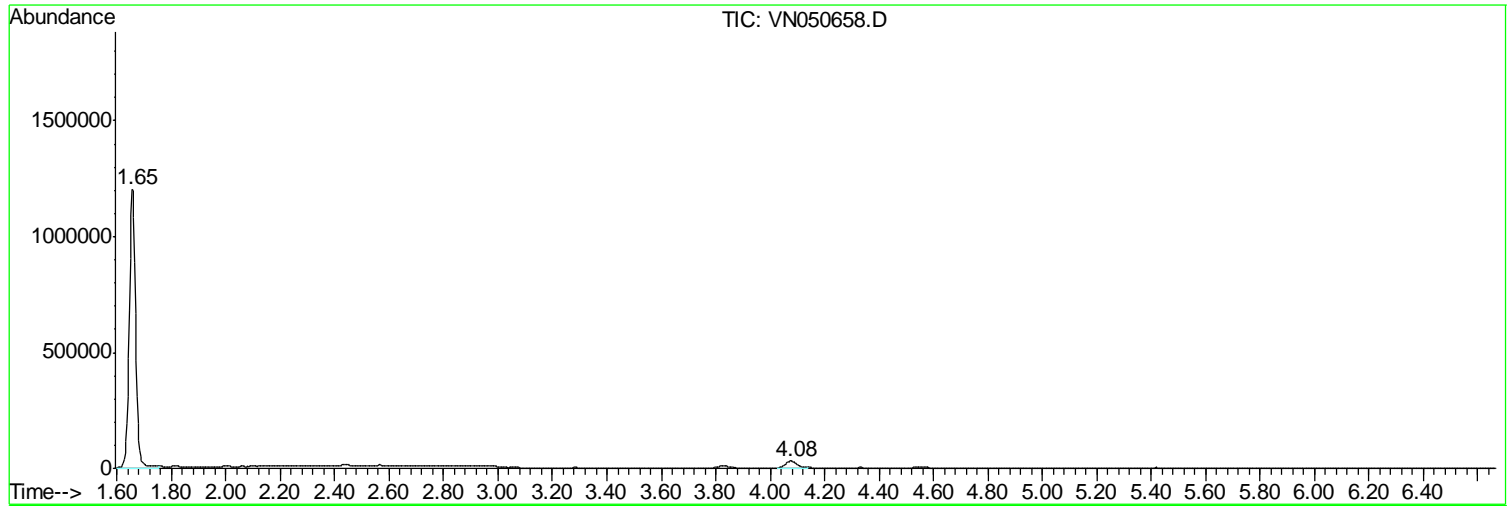
Sum of corrected areas: 20800302

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050658.D
Acq On : 15 Aug 2018 16:28
Operator : MD\SY
Sample : J4465-14
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
951-MW-18(21.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
Data File : VN050658.D
Acq On : 15 Aug 2018 16:28
Operator : MD\SY
Sample : J4465-14
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
951-MW-18(21.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
 Data File : VN050658.D
 Acq On : 15 Aug 2018 16:28
 Operator : MD\SY
 Sample : J4465-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 951-MW-18(21.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
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- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	952-MW-19(28)	SDG No.:	J4465
Lab Sample ID:	J4465-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050633.D	1		08/15/18 04:45	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1.6		0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	3.8	J	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	27.8		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	33.3		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	952-MW-19(28)	SDG No.:	J4465
Lab Sample ID:	J4465-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050633.D	1		08/15/18 04:45	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	200	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		61 - 141		102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	47.3		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.3		58 - 135		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	637237	7.67				
540-36-3	1,4-Difluorobenzene	977089	8.59				
3114-55-4	Chlorobenzene-d5	875334	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	304706	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	952-MW-19(28)	SDG No.:	J4465
Lab Sample ID:	J4465-15	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050633.D	1		08/15/18 04:45	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050633.D
 Acq On : 15 Aug 2018 4:45
 Operator : MD\SY
 Sample : J4465-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 952-MW-19(28)

Quant Time: Aug 15 14:37:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	637237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	977089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	875334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	410856	51.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.30%	
35) Dibromofluoromethane	7.59	113	389533	49.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.88%	
50) Toluene-d8	10.09	98	1389122	47.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.64%	
62) 4-Bromofluorobenzene	12.40	95	380690	39.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	78.50%	

Target Compounds

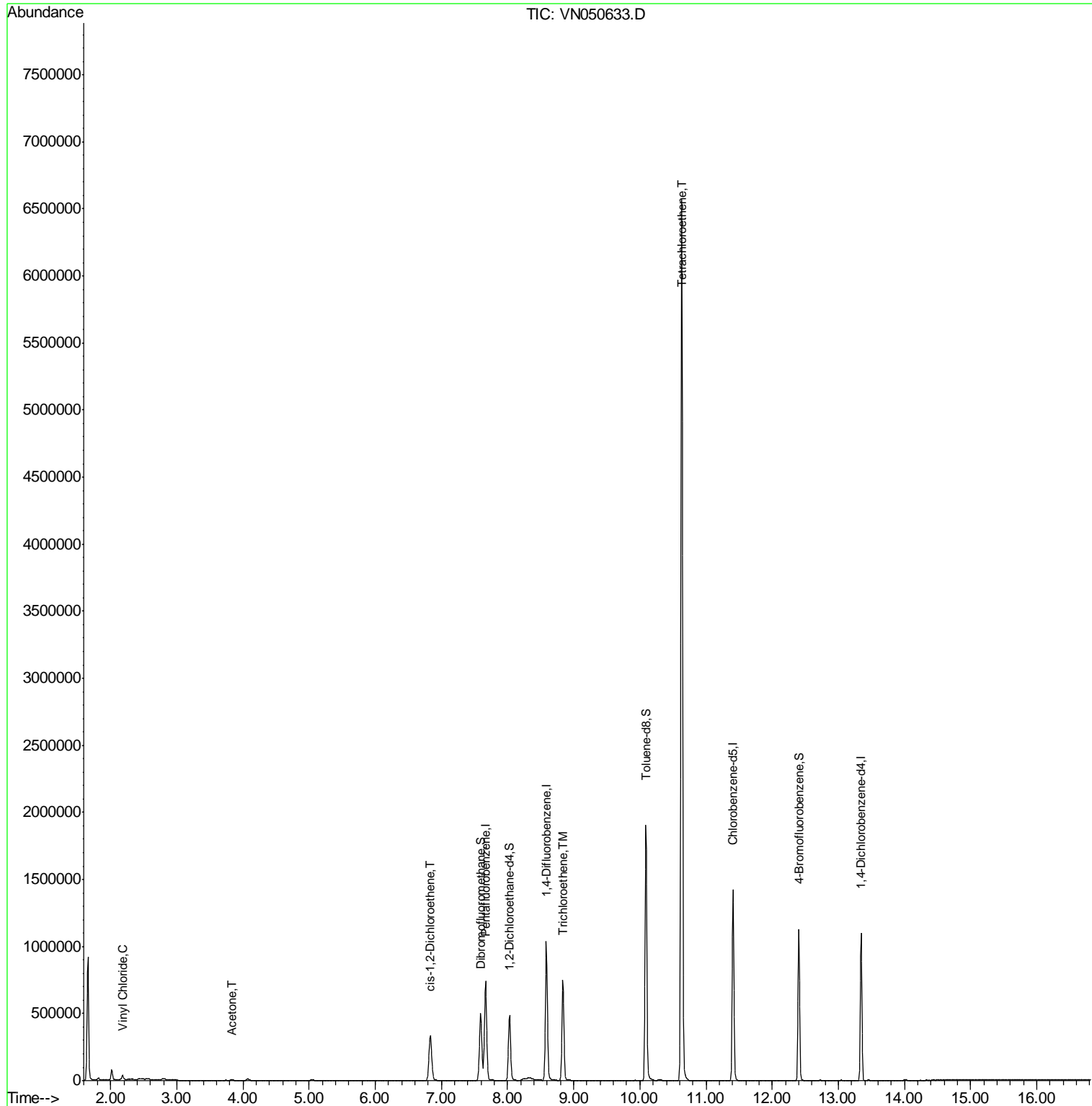
						Qvalue
4) Vinyl Chloride	2.18	62	15608	1.64	ug/l	97
16) Acetone	3.83	43	10397	3.76	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	231895	27.78	ug/l	92
44) Trichloroethene	8.84	130	295283	33.31	ug/l	100
64) Tetrachloroethene	10.63	164	1633439	200.94	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

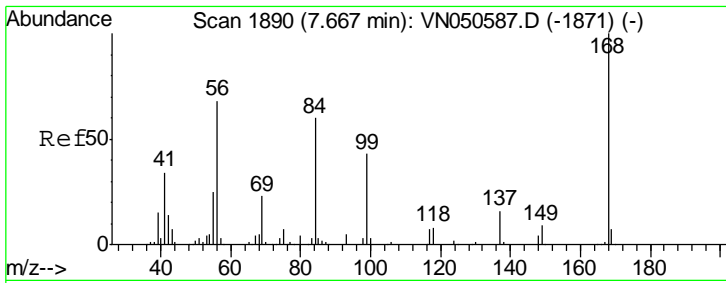
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050633.D
 Acq On : 15 Aug 2018 4:45
 Operator : MD\SY
 Sample : J4465-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 952-MW-19(28)

Quant Time: Aug 15 14:37:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



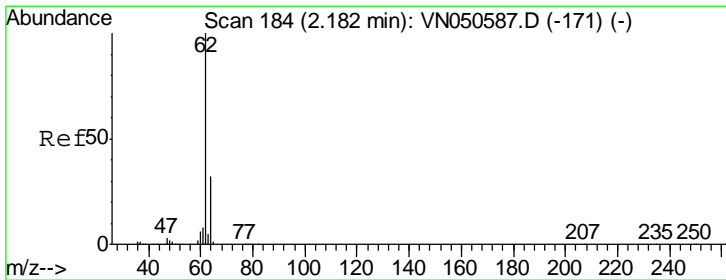
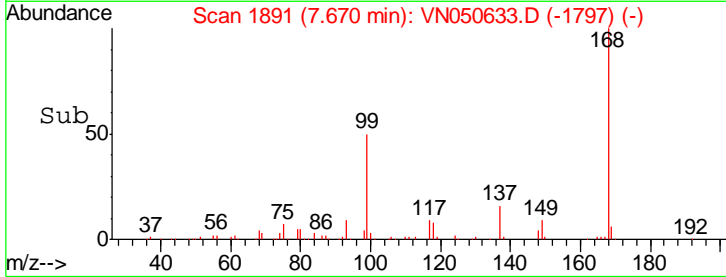
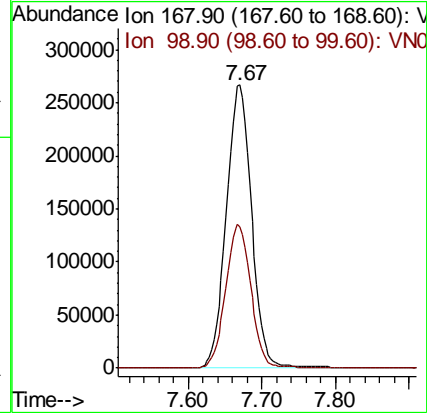
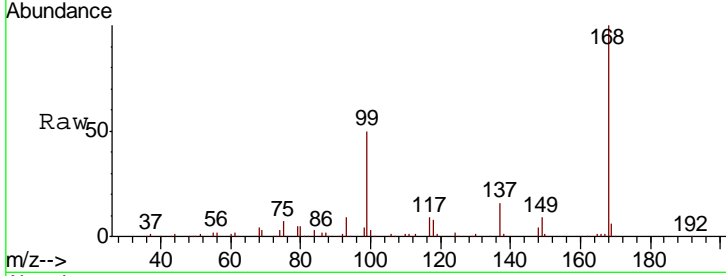
- 1
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- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

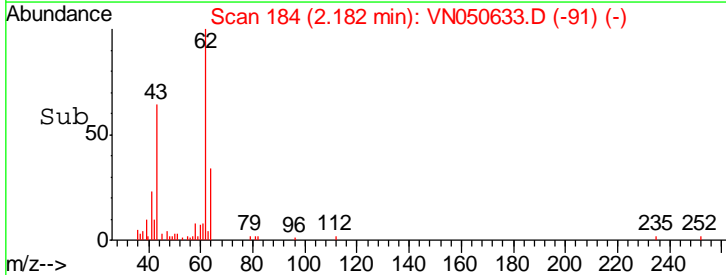
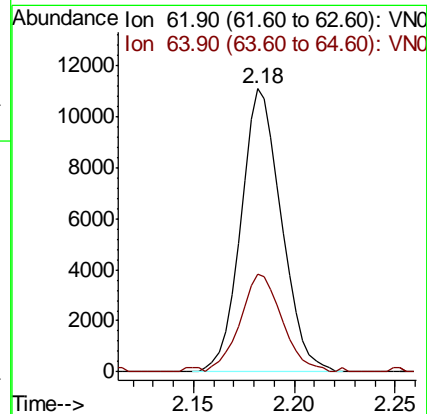
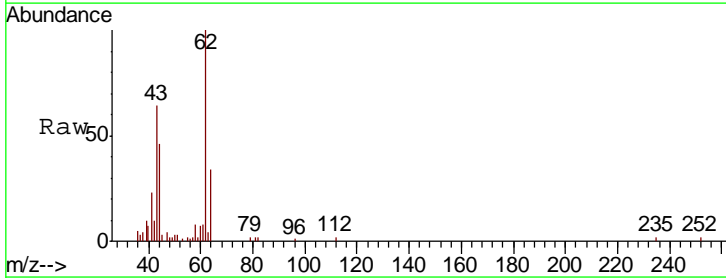
Instrument :
 MSVOA_N
 ClientSampleId :
 952-MW-19(28)

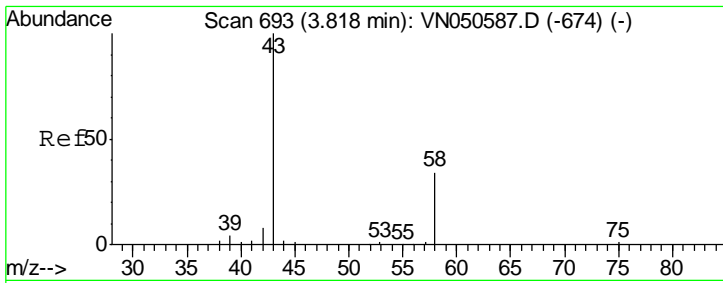
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.7	40.8	61.2



#4
 Vinyl Chloride
 Concen: 1.64 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

Tgt Ion	Resp	Lower	Upper
62	100		
64	33.0	25.2	37.8

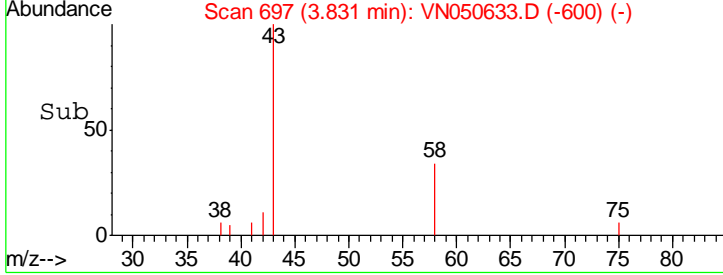
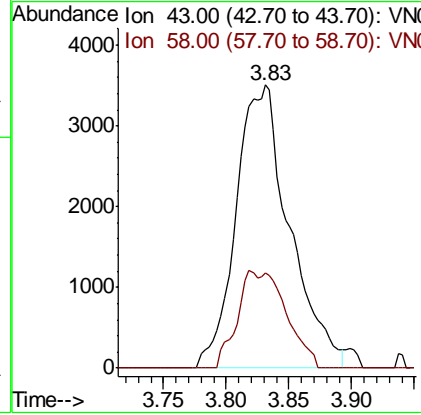
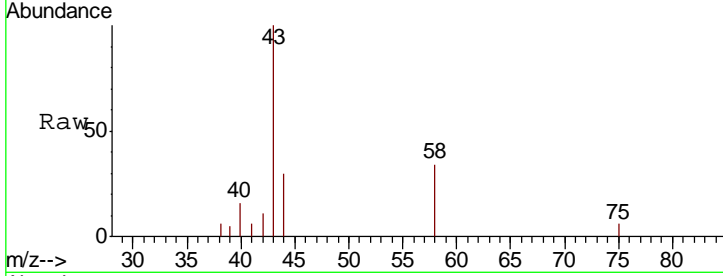




#16
 Acetone
 Concen: 3.76 ug/l
 RT: 3.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

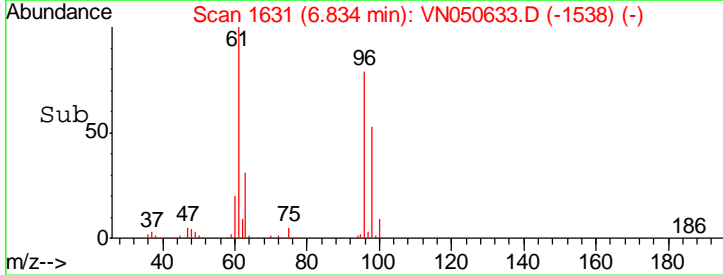
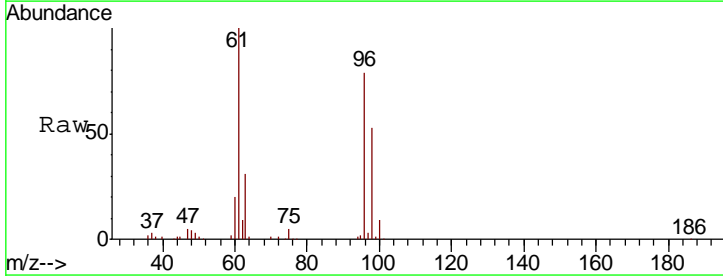
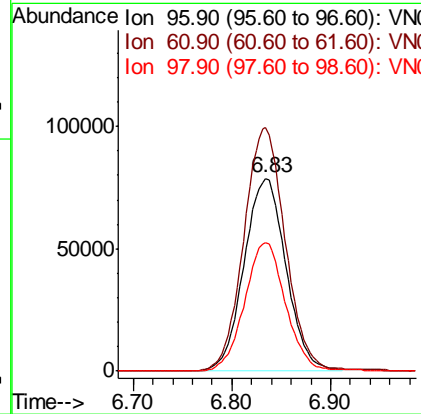
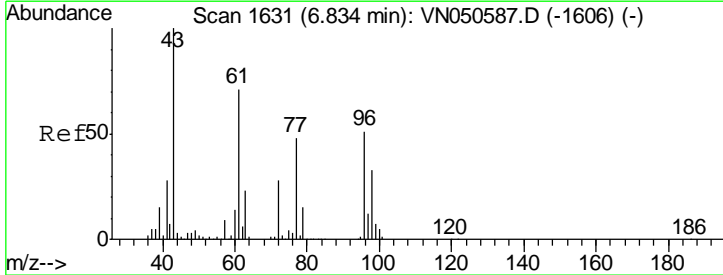
Instrument :
 MSVOA_N
 ClientSampled :
 952-MW-19(28)

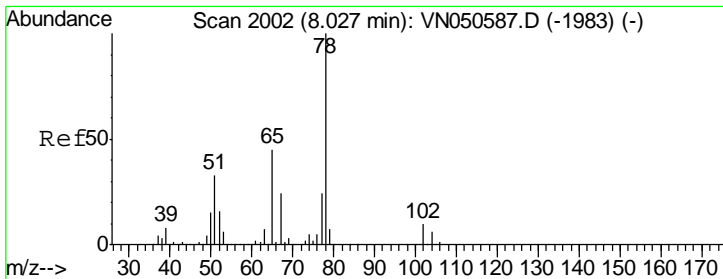
Tgt Ion	Resp	Lower	Upper
43	10397		
58	33.6	27.1	40.7



#27
 cis-1,2-Dichloroethene
 Concen: 27.78 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

Tgt Ion	Resp	Lower	Upper
96	231895		
61	124.9	0.0	278.2
98	64.9	0.0	128.8

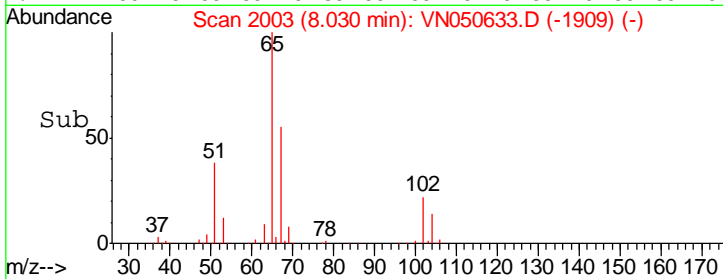
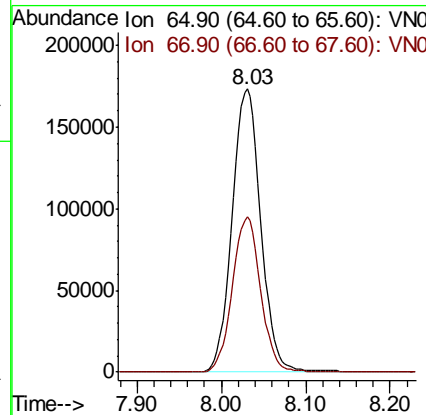
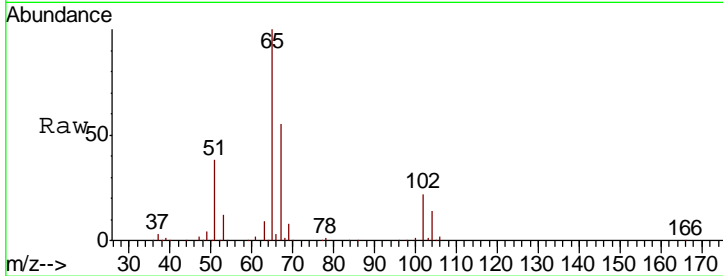




#33
 1,2-Dichloroethane-d4
 Concen: 51.15 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

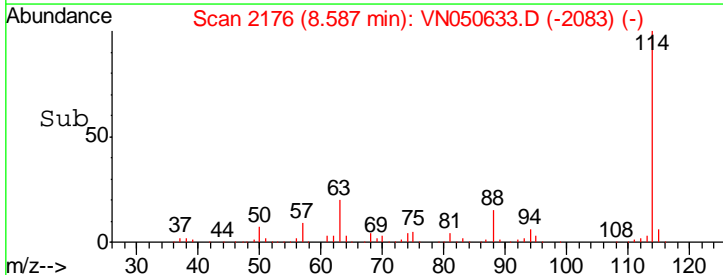
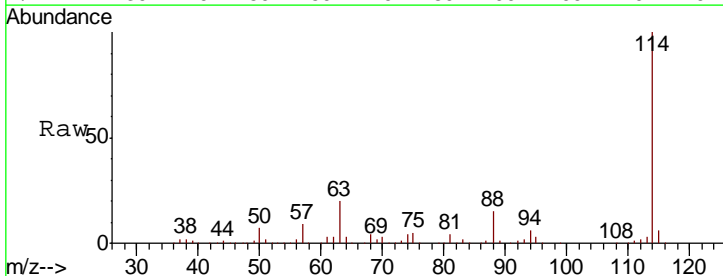
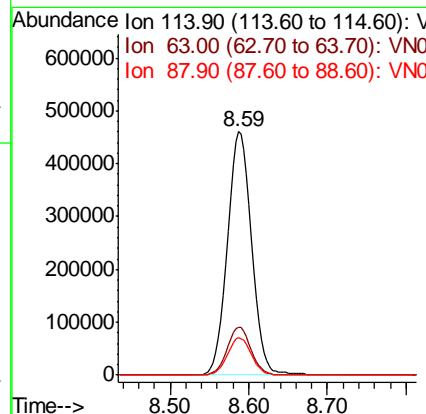
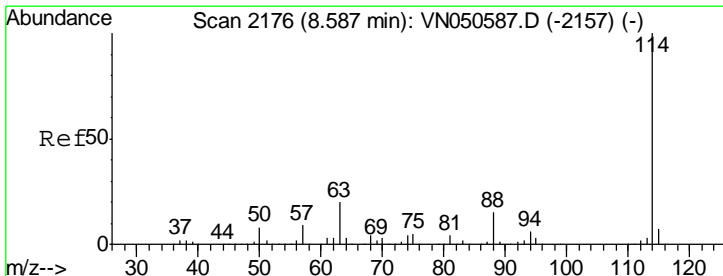
Instrument : MSVOA_N
 ClientSampleId : 952-MW-19(28)

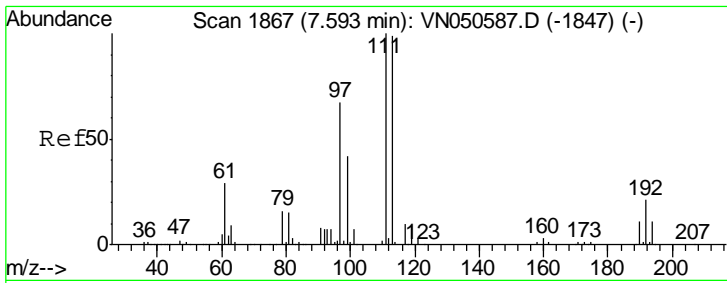
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.9	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	15.3	0.0	30.8

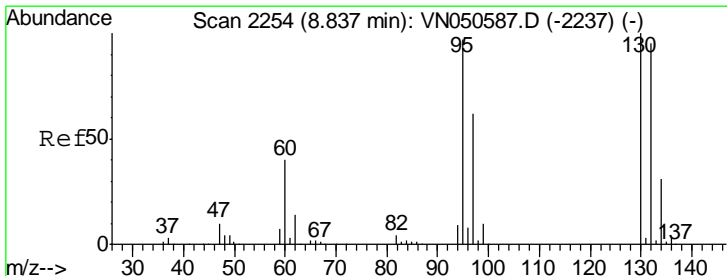
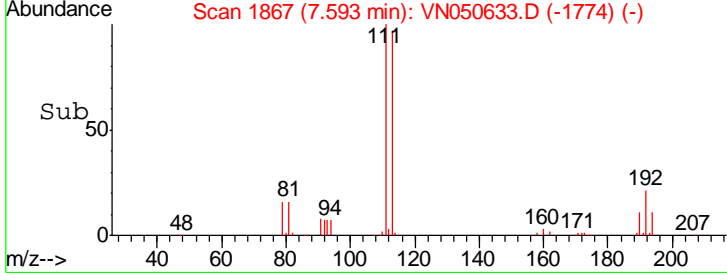
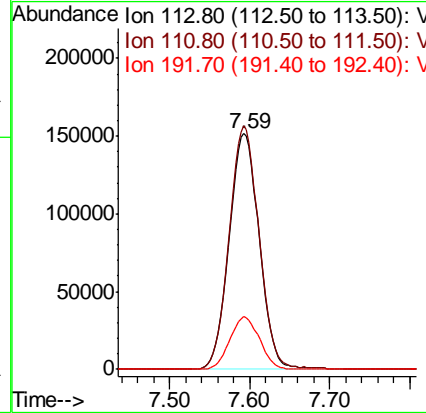
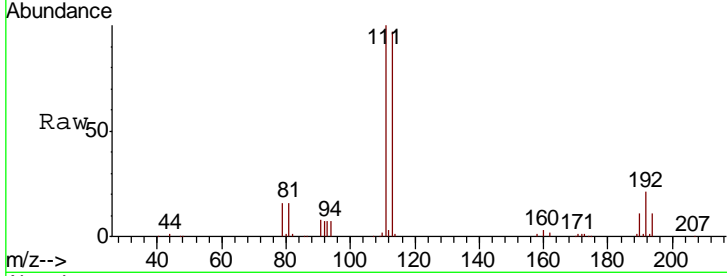




#35
 Dibromofluoromethane
 Concen: 49.94 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

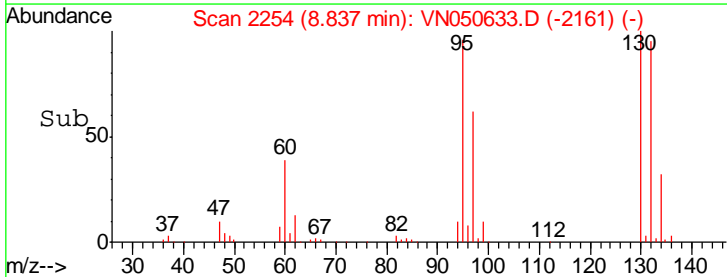
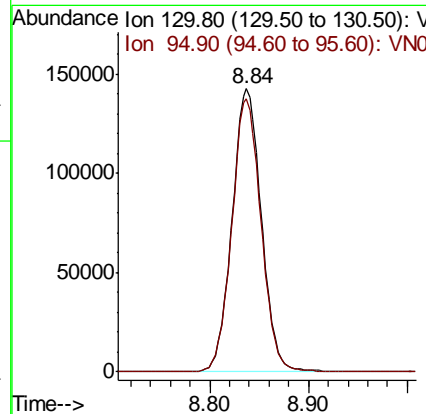
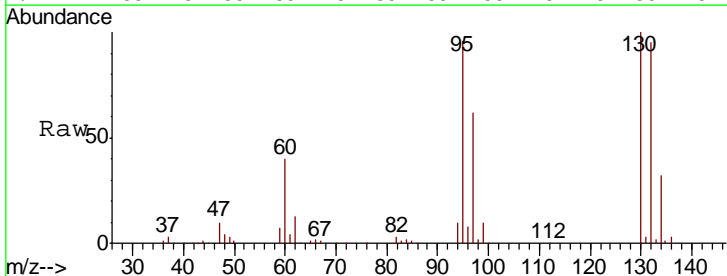
Instrument : MSVOA_N
 ClientSampleId : 952-MW-19(28)

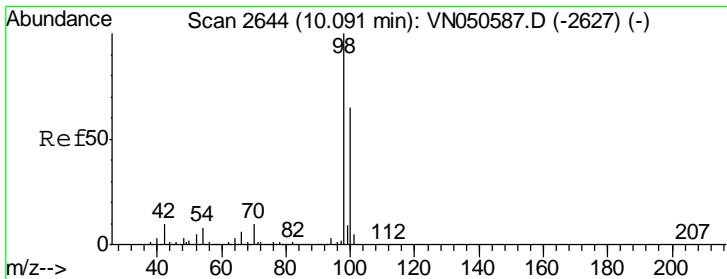
Tgt Ion	Resp	Lower	Upper
113	100		
111	101.5	81.0	121.6
192	21.9	17.6	26.4



#44
 Trichloroethene
 Concen: 33.31 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.5	0.0	193.8



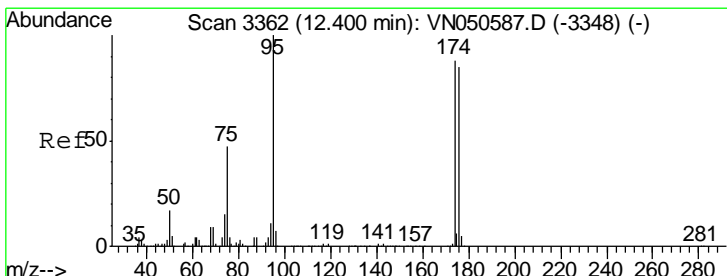
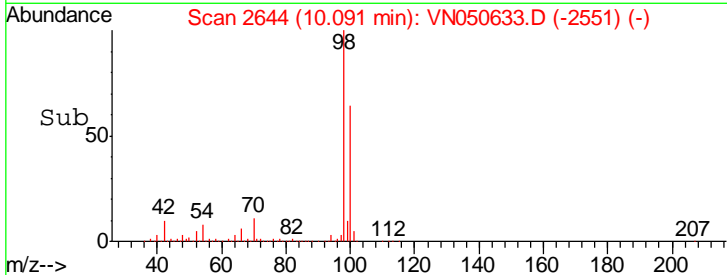
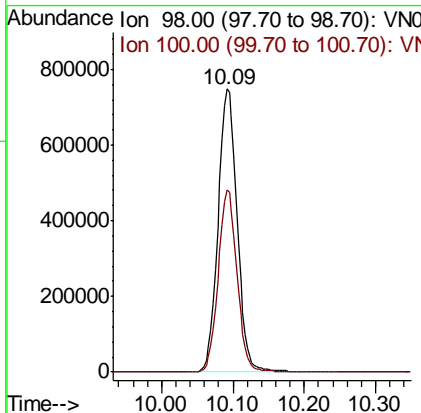
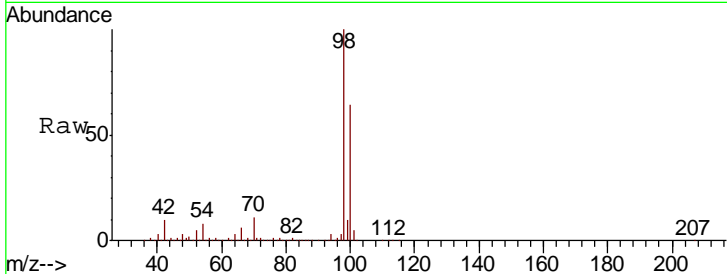


#50
 Toluene-d8
 Concen: 47.32 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

Instrument : MSVOA_N
 ClientSampled : 952-MW-19(28)

Tgt Ion: 98 Resp: 1389122

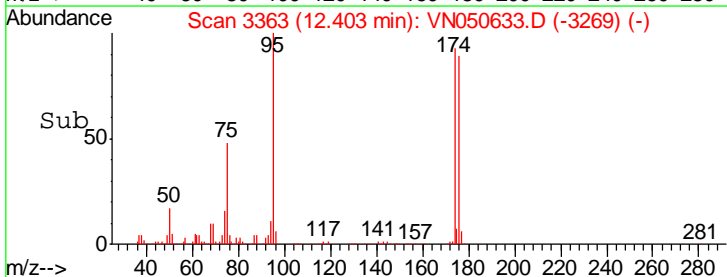
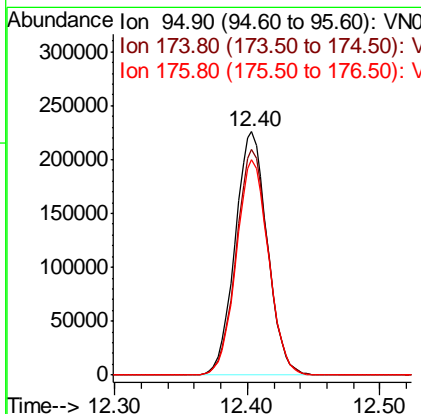
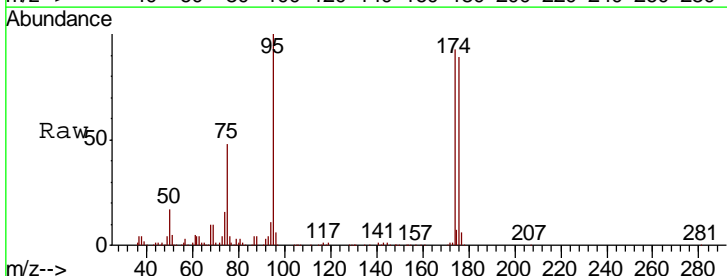
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.8	77.8

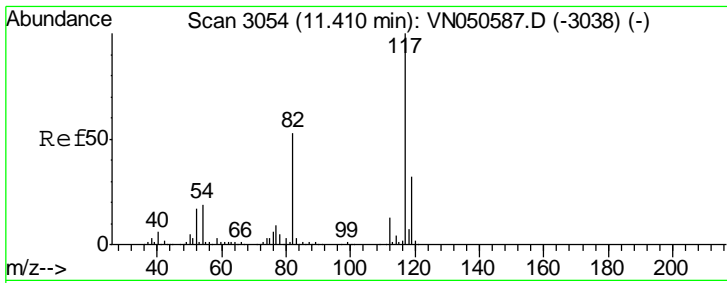


#62
 4-Bromofluorobenzene
 Concen: 39.25 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

Tgt Ion: 95 Resp: 380690

Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	177.8
176	88.5	0.0	175.0

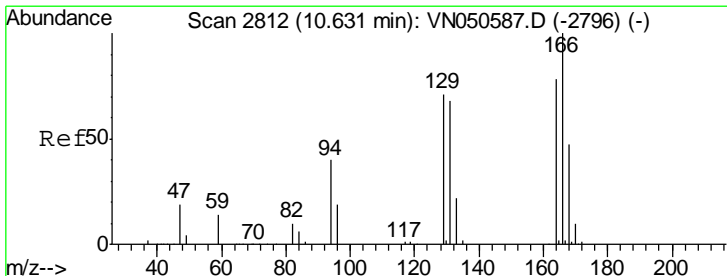
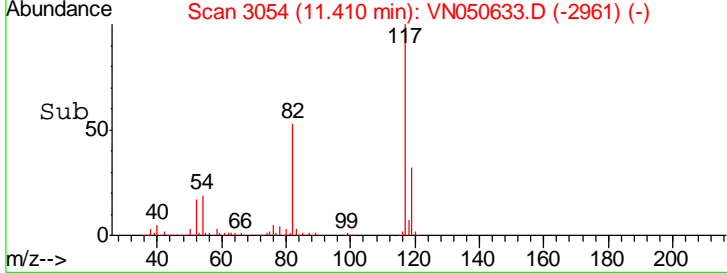
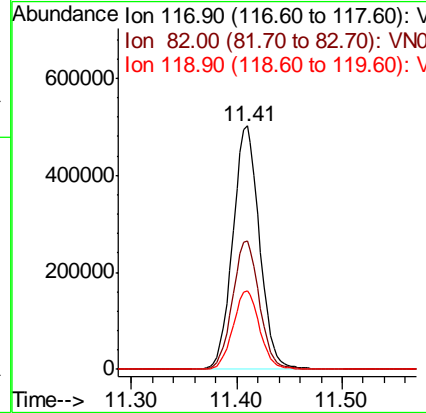
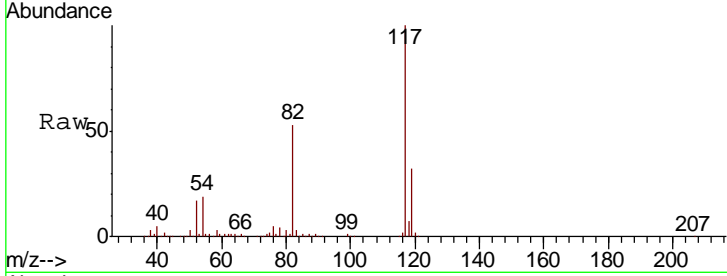




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

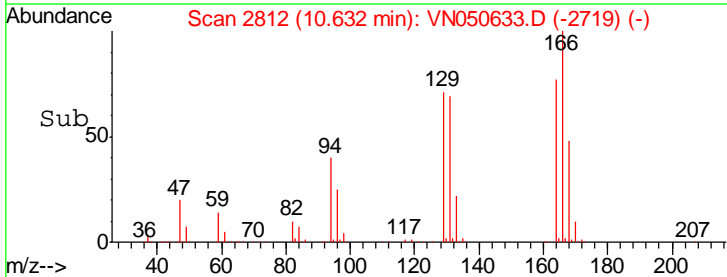
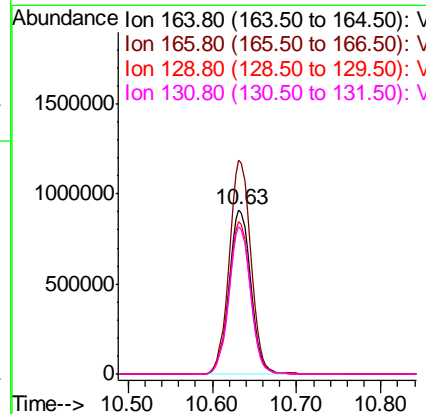
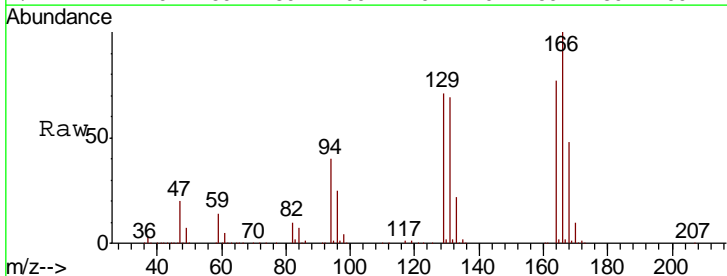
Instrument : MSVOA_N
 ClientSampleId : 952-MW-19(28)

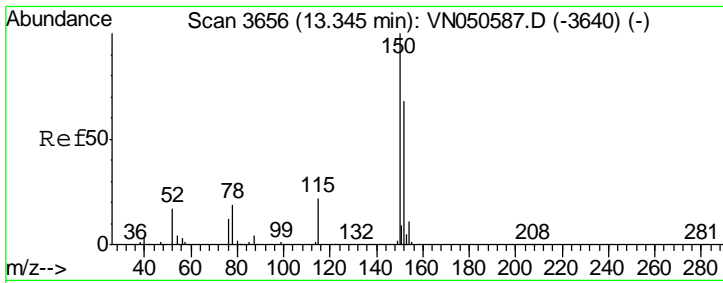
Tgt Ion	Resp	Lower	Upper
117	875334		
82	52.8	42.4	63.6
119	32.4	25.8	38.8



#64
 Tetrachloroethene
 Concen: 200.94 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

Tgt Ion	Resp	Lower	Upper
164	1633439		
166	130.3	102.1	153.1
129	93.0	72.7	109.1
131	89.8	69.9	104.9

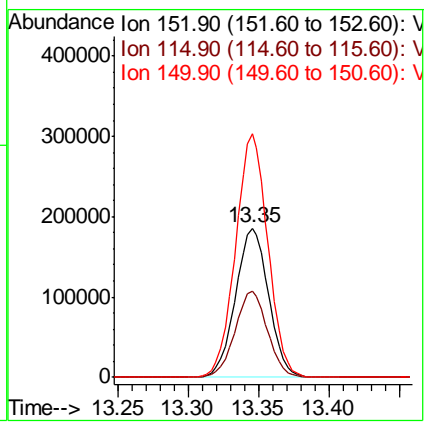
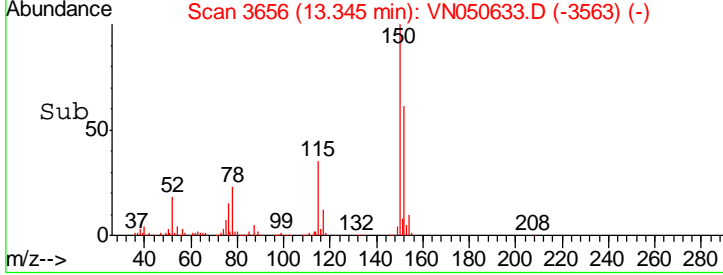
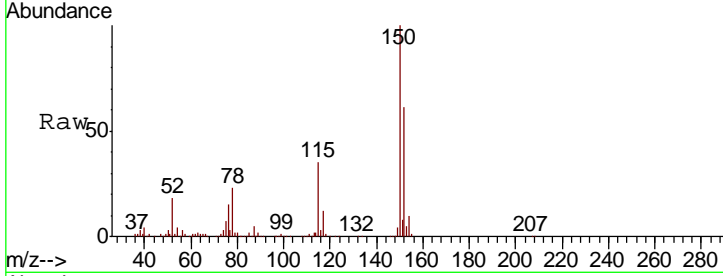




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050633.D
 Acq: 15 Aug 2018 4:45

Instrument : MSVOA_N
 ClientSampleId : 952-MW-19(28)

Tot Ion	Resp	Lower	Upper
152	100		
115	56.5	28.1	84.2
150	159.3	0.0	347.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050633.D
 Acq On : 15 Aug 2018 4:45
 Operator : MD\SY
 Sample : J4465-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 952-MW-19(28)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	45	rBV	917479	1511259	12.88%	4.728%
2	2.018	121	133	144	rBV	77476	123329	1.05%	0.386%
3	6.834	1608	1631	1669	rBV2	336616	995508	8.48%	3.115%
4	7.593	1847	1867	1878	rBV	502229	1252665	10.67%	3.919%
5	7.667	1879	1890	1913	rVB2	734685	1720054	14.65%	5.381%
6	8.030	1982	2003	2029	rBV	484710	1143288	9.74%	3.577%
7	8.587	2159	2176	2208	rBV	1035304	2199427	18.74%	6.881%
8	8.837	2238	2254	2278	rBV	749373	1550775	13.21%	4.852%
9	10.091	2628	2644	2678	rBV	1907316	3552642	30.27%	11.115%
10	10.632	2796	2812	2851	rVB	6569274	11737662	100.00%	36.723%
11	11.410	3038	3054	3080	rBV	1424313	2498869	21.29%	7.818%
12	12.403	3349	3363	3386	rBV	1129205	1898724	16.18%	5.940%
13	13.345	3642	3656	3675	rBV	1099661	1778834	15.15%	5.565%

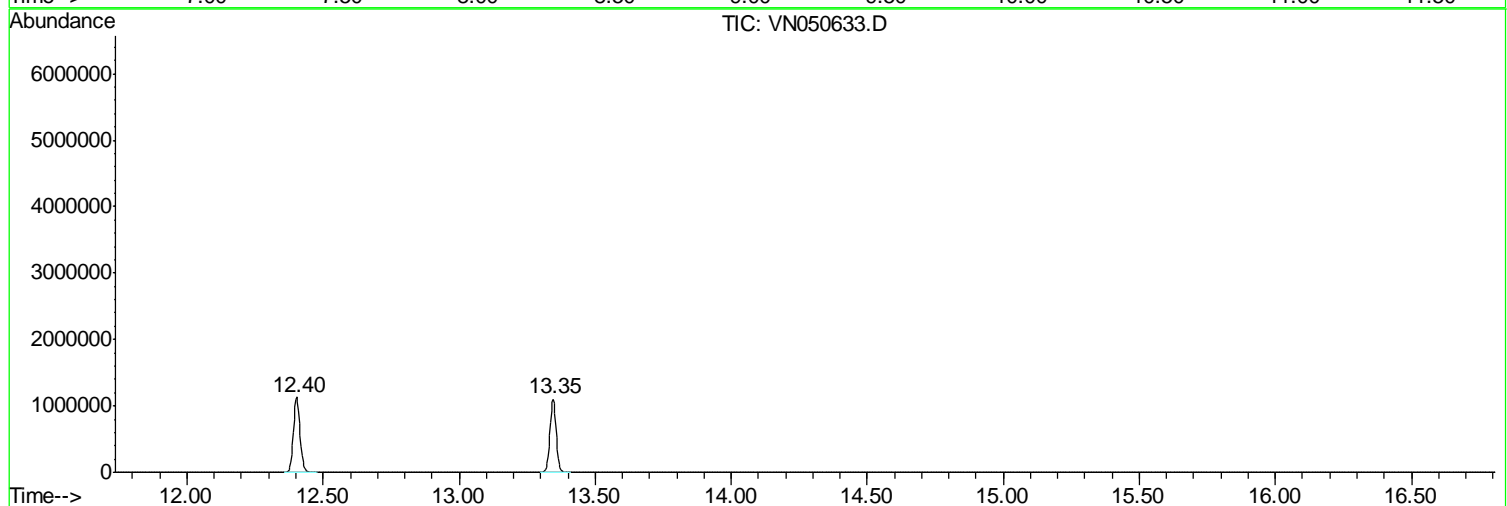
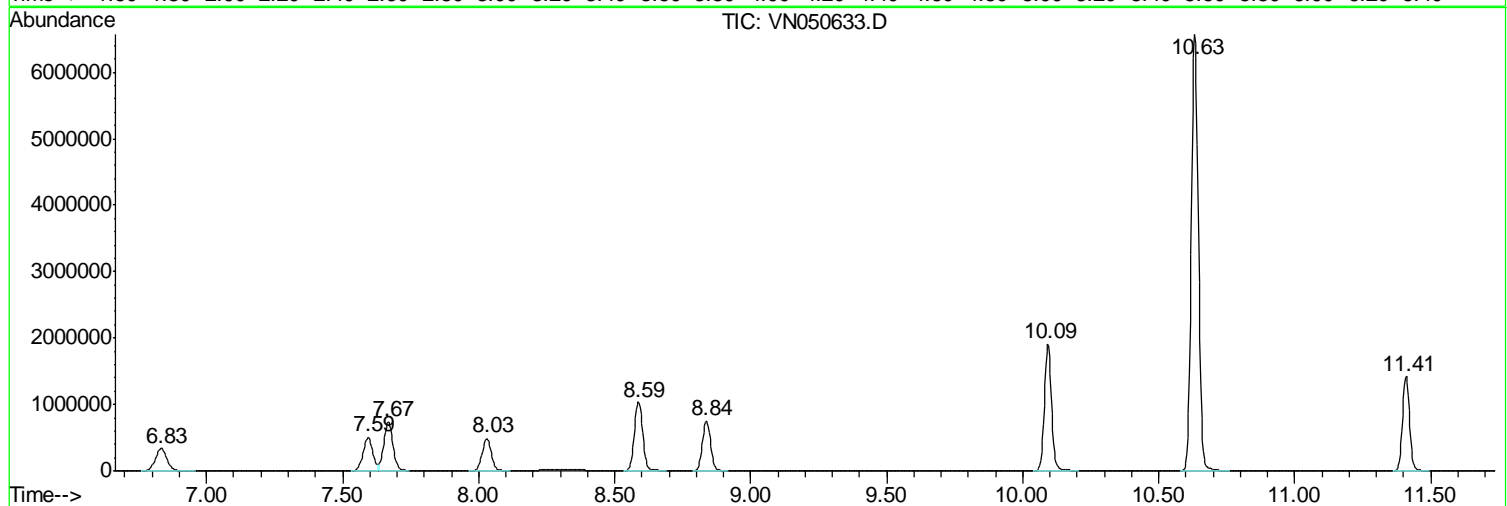
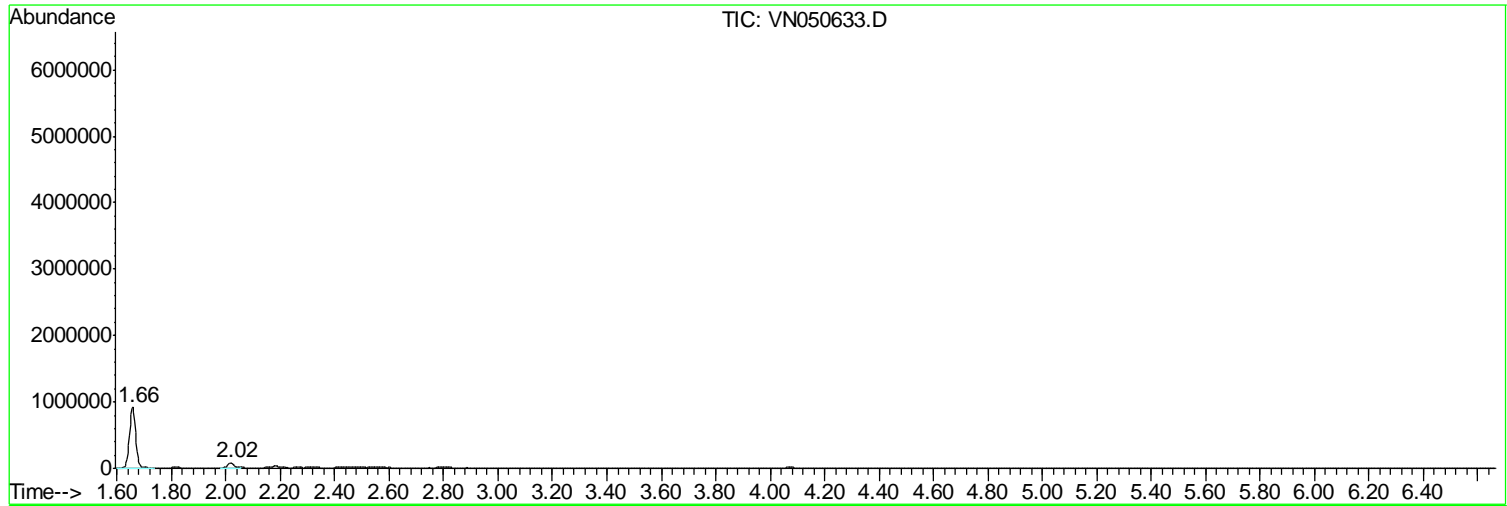
Sum of corrected areas: 31963036

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050633.D
Acq On : 15 Aug 2018 4:45
Operator : MD\SY
Sample : J4465-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
952-MW-19(28)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050633.D
Acq On : 15 Aug 2018 4:45
Operator : MD\SY
Sample : J4465-15
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
952-MW-19(28)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050633.D
 Acq On : 15 Aug 2018 4:45
 Operator : MD\SY
 Sample : J4465-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 952-MW-19(28)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	952-MW-19(28)DL	SDG No.:	J4465
Lab Sample ID:	J4465-15DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050650.D	4		08/15/18 13:09	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	4	UD	0.8	0.8	4	ug/L
74-87-3	Chloromethane	4	UD	0.8	0.8	4	ug/L
75-01-4	Vinyl Chloride	1.7	JD	0.8	0.8	4	ug/L
74-83-9	Bromomethane	4	UD	0.8	0.8	4	ug/L
75-00-3	Chloroethane	4	UD	0.8	2	4	ug/L
75-69-4	Trichlorofluoromethane	4	UD	0.8	0.8	4	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	4	UD	0.8	0.8	4	ug/L
75-35-4	1,1-Dichloroethene	4	UD	0.8	0.8	4	ug/L
67-64-1	Acetone	2.6	JD	2	4	20	ug/L
75-15-0	Carbon Disulfide	4	UD	0.8	0.8	4	ug/L
1634-04-4	Methyl tert-butyl Ether	4	UD	1.4	2	4	ug/L
79-20-9	Methyl Acetate	4	UD	0.8	2	4	ug/L
75-09-2	Methylene Chloride	4	UD	0.8	0.8	4	ug/L
156-60-5	trans-1,2-Dichloroethene	4	UD	0.8	0.8	4	ug/L
75-34-3	1,1-Dichloroethane	4	UD	0.8	0.8	4	ug/L
110-82-7	Cyclohexane	4	UD	0.8	0.8	4	ug/L
78-93-3	2-Butanone	20	UD	5.3	10	20	ug/L
56-23-5	Carbon Tetrachloride	4	UD	0.8	0.8	4	ug/L
156-59-2	cis-1,2-Dichloroethene	26.1	D	0.8	0.8	4	ug/L
74-97-5	Bromochloromethane	4	UD	0.8	2	4	ug/L
67-66-3	Chloroform	4	UD	0.8	0.8	4	ug/L
71-55-6	1,1,1-Trichloroethane	4	UD	0.8	0.8	4	ug/L
108-87-2	Methylcyclohexane	4	UD	0.8	0.8	4	ug/L
71-43-2	Benzene	4	UD	0.8	0.8	4	ug/L
107-06-2	1,2-Dichloroethane	4	UD	0.8	0.8	4	ug/L
79-01-6	Trichloroethene	31.3	D	0.8	0.8	4	ug/L
78-87-5	1,2-Dichloropropane	4	UD	0.8	0.8	4	ug/L
75-27-4	Bromodichloromethane	4	UD	0.8	0.8	4	ug/L
108-10-1	4-Methyl-2-Pentanone	20	UD	4	4	20	ug/L
108-88-3	Toluene	4	UD	0.8	0.8	4	ug/L
10061-02-6	t-1,3-Dichloropropene	4	UD	0.8	0.8	4	ug/L
10061-01-5	cis-1,3-Dichloropropene	4	UD	0.8	0.8	4	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	952-MW-19(28)DL	SDG No.:	J4465
Lab Sample ID:	J4465-15DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050650.D	4		08/15/18 13:09	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	4	UD	0.8	0.8	4	ug/L
591-78-6	2-Hexanone	20	UD	7.8	10	20	ug/L
124-48-1	Dibromochloromethane	4	UD	0.8	0.8	4	ug/L
106-93-4	1,2-Dibromoethane	4	UD	0.8	0.8	4	ug/L
127-18-4	Tetrachloroethane	170	D	0.8	0.8	4	ug/L
108-90-7	Chlorobenzene	4	UD	0.8	0.8	4	ug/L
100-41-4	Ethyl Benzene	4	UD	0.8	0.8	4	ug/L
179601-23-1	m/p-Xylenes	8	UD	1.6	1.6	8	ug/L
95-47-6	o-Xylene	4	UD	0.8	0.8	4	ug/L
100-42-5	Styrene	4	UD	0.8	0.8	4	ug/L
75-25-2	Bromoform	4	UD	0.8	0.8	4	ug/L
98-82-8	Isopropylbenzene	4	UD	0.8	0.8	4	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	4	UD	0.8	0.8	4	ug/L
541-73-1	1,3-Dichlorobenzene	4	UD	0.8	0.8	4	ug/L
106-46-7	1,4-Dichlorobenzene	4	UD	0.8	0.8	4	ug/L
95-50-1	1,2-Dichlorobenzene	4	UD	0.8	0.8	4	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4	UD	0.8	0.8	4	ug/L
120-82-1	1,2,4-Trichlorobenzene	4	UD	0.8	0.8	4	ug/L
87-61-6	1,2,3-Trichlorobenzene	4	UD	0.8	0.8	4	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.9		61 - 141		106%	SPK: 50
1868-53-7	Dibromofluoromethane	51		69 - 133		102%	SPK: 50
2037-26-5	Toluene-d8	47.8		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4		58 - 135		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	615087	7.67				
540-36-3	1,4-Difluorobenzene	953621	8.59				
3114-55-4	Chlorobenzene-d5	872618	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	325470	13.35				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	952-MW-19(28)DL	SDG No.:	J4465
Lab Sample ID:	J4465-15DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050650.D	4		08/15/18 13:09	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050650.D
 Acq On : 15 Aug 2018 13:09
 Operator : MD\SY
 Sample : J4465-15DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 952-MW-19(28)DL

Quant Time: Aug 16 02:31:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	615087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	953621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	872618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	325470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	410433	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
35) Dibromofluoromethane	7.59	113	388483	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.09	98	1369134	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.40	95	391612	41.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.74%	

Target Compounds

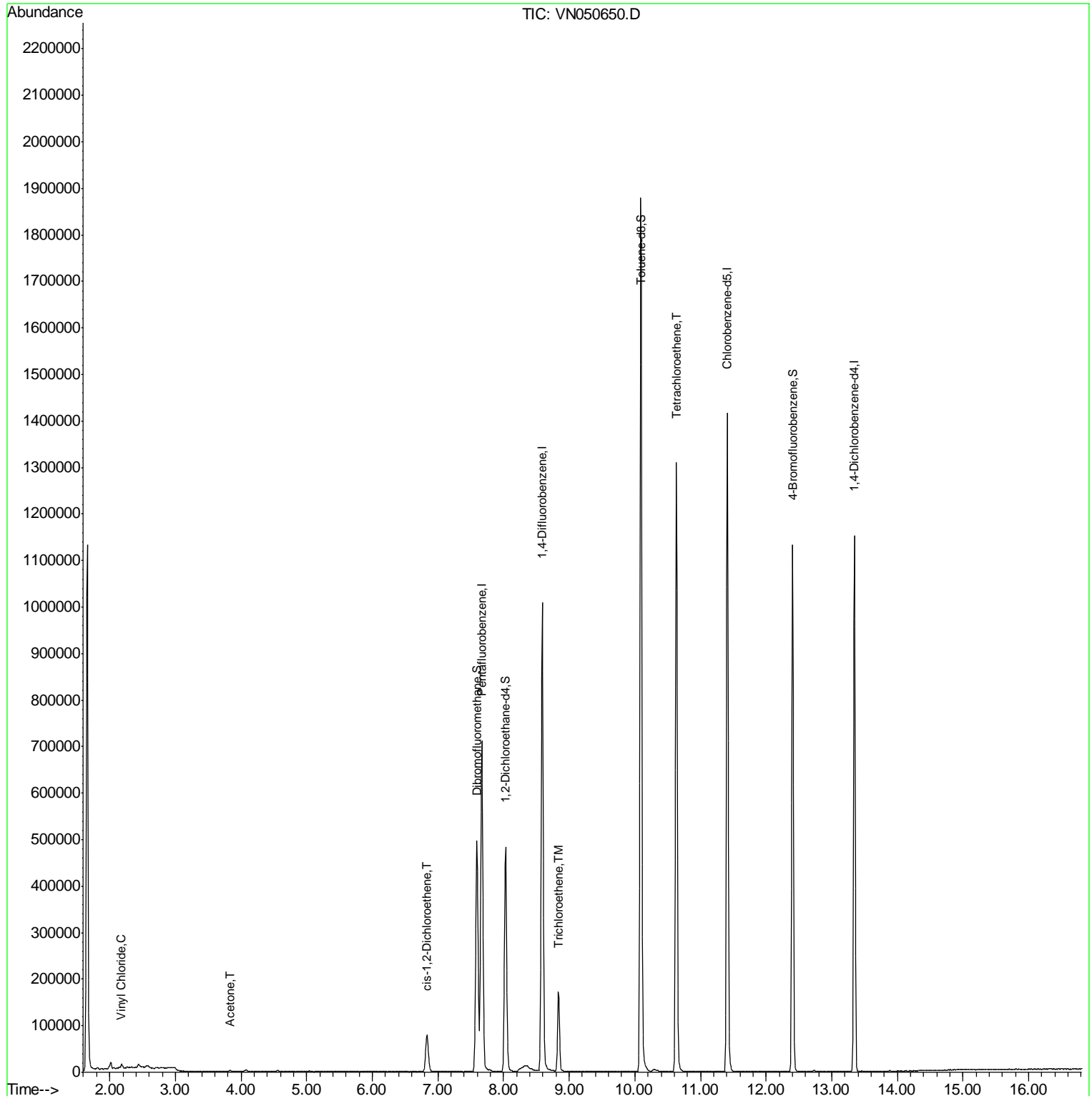
						Qvalue
4) Vinyl Chloride	2.18	62	3898	0.42	ug/l	95
16) Acetone	3.83	43	4081	0.66	ug/l #	85
27) cis-1,2-Dichloroethene	6.83	96	52649	6.53	ug/l	90
44) Trichloroethene	8.84	130	67663	7.82	ug/l	97
64) Tetrachloroethene	10.63	164	337490	41.65	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

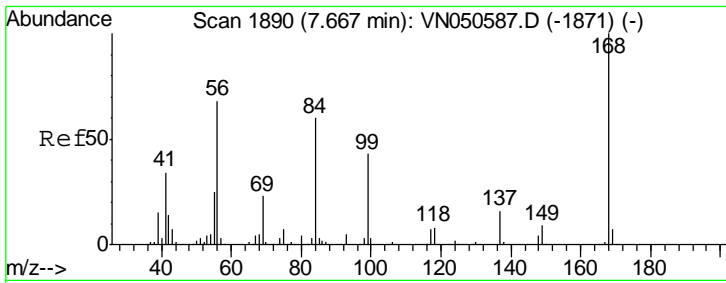
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050650.D
 Acq On : 15 Aug 2018 13:09
 Operator : MD\SY
 Sample : J4465-15DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 952-MW-19(28)DL

Quant Time: Aug 16 02:31:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



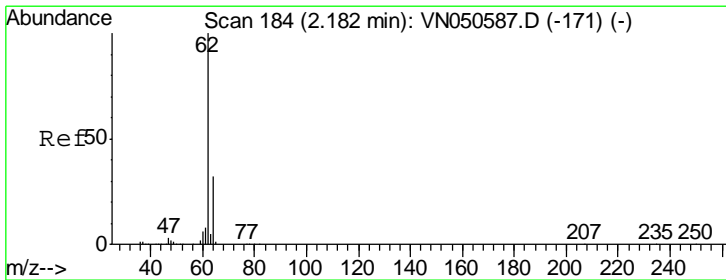
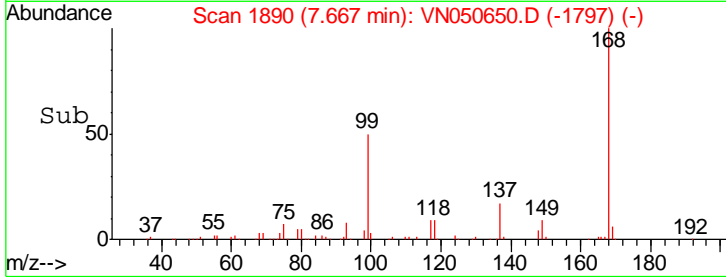
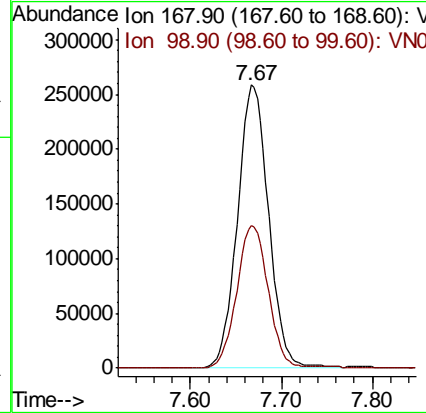
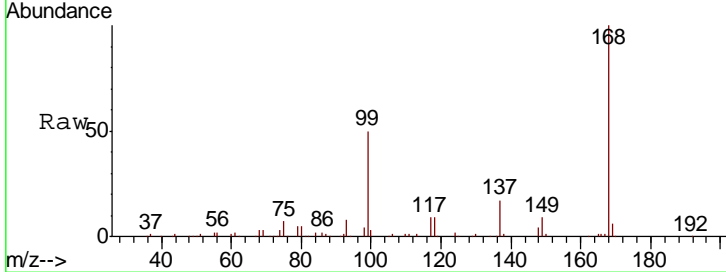
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

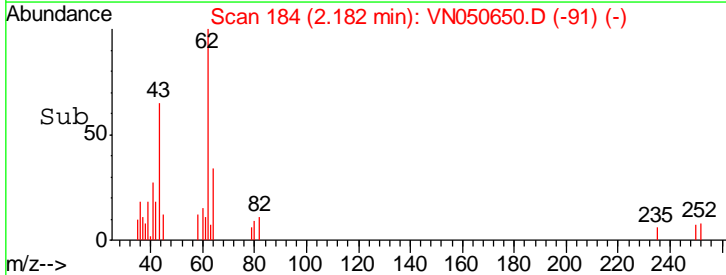
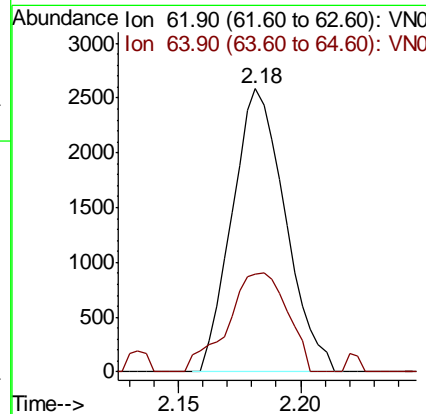
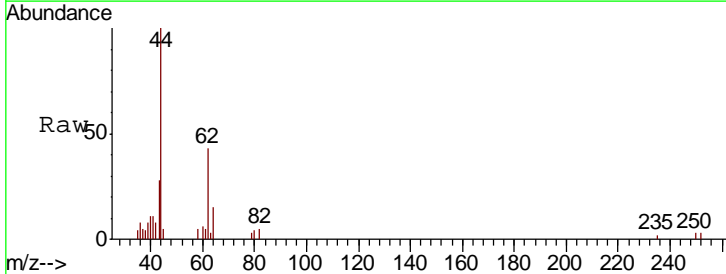
Instrument :
 MSVOA_N
 ClientSampleId :
 952-MW-19(28)DL

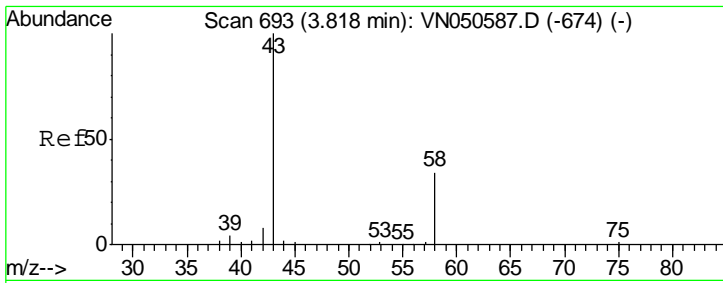
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.4	40.8	61.2



#4
 Vinyl Chloride
 Concen: 0.42 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

Tgt Ion	Resp	Lower	Upper
62	100		
64	34.5	25.2	37.8

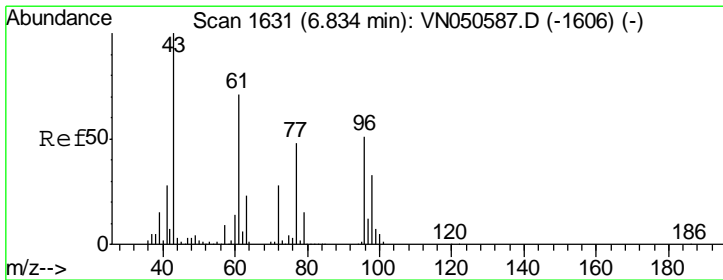
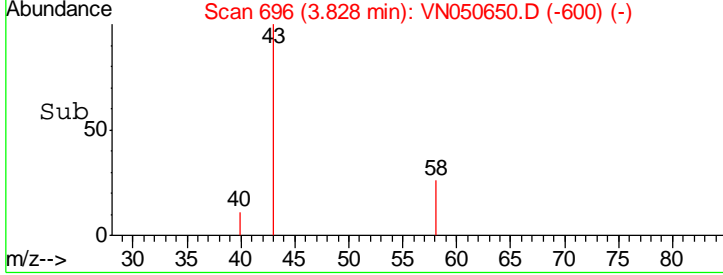
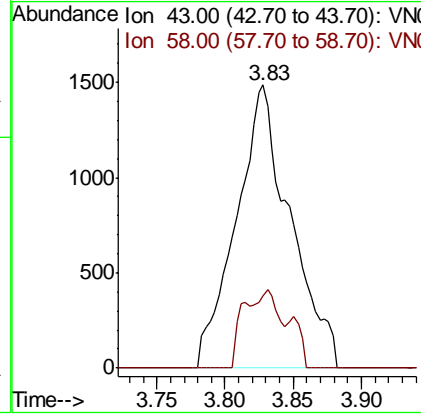
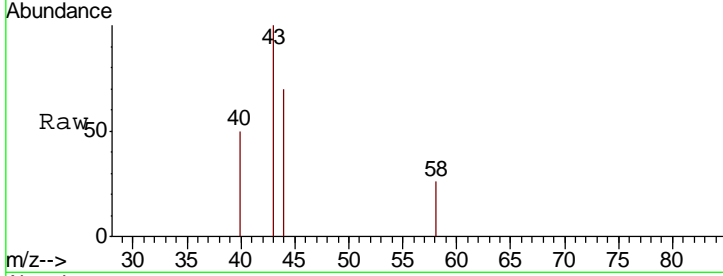




#16
 Acetone
 Concen: 0.66 ug/l
 RT: 3.83 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

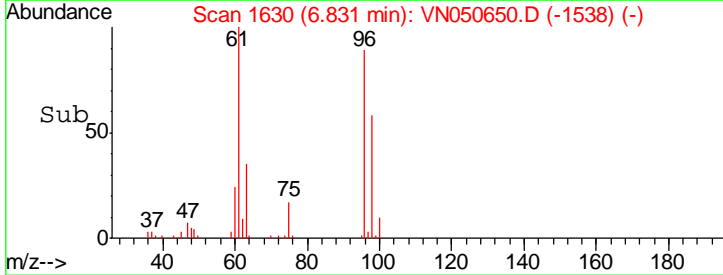
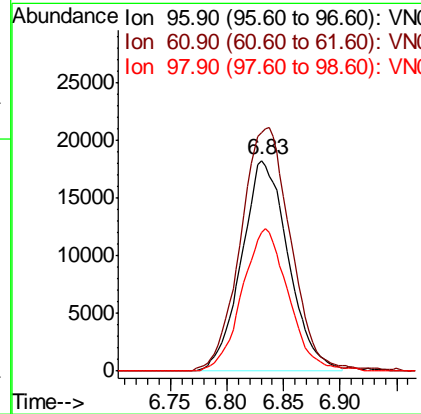
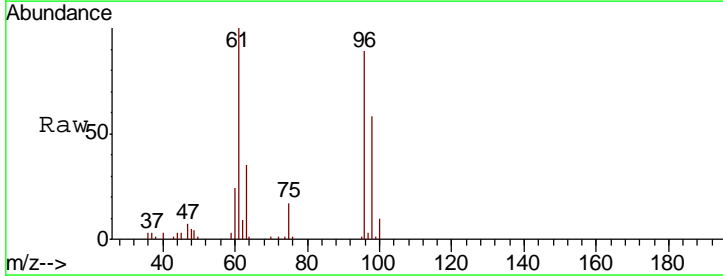
Instrument : MSVOA_N
 ClientSampleId : 952-MW-19(28)DL

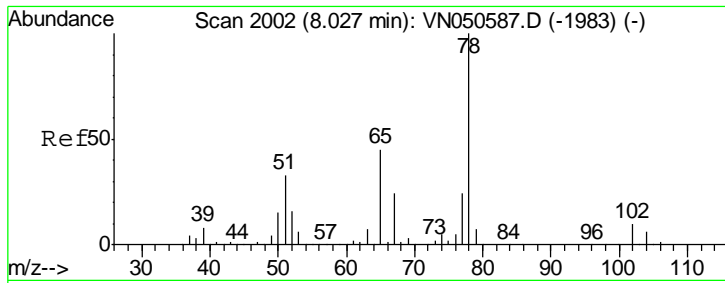
Tgt Ion	Resp	Lower	Upper
43	100		
58	25.5	27.1	40.7#



#27
 cis-1,2-Dichloroethene
 Concen: 6.53 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

Tgt Ion	Resp	Lower	Upper
96	100		
61	123.7	0.0	278.2
98	66.7	0.0	128.8

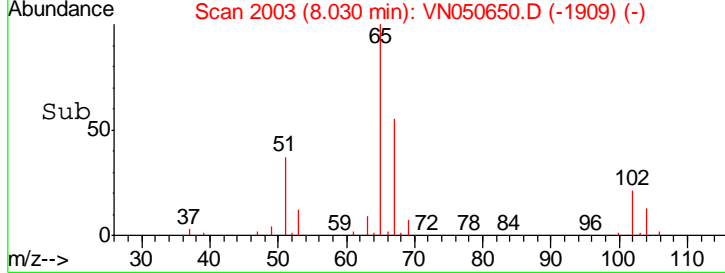
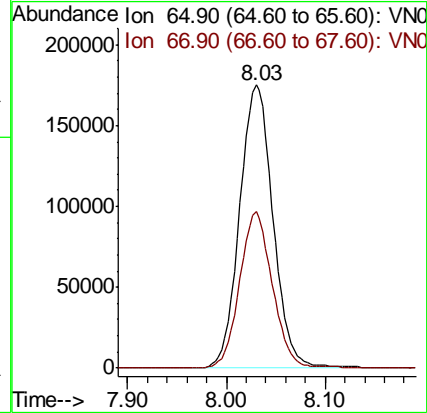
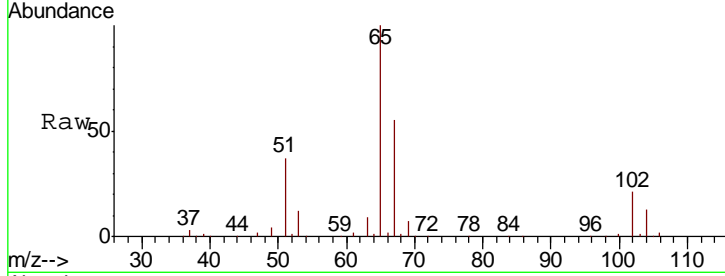




#33
 1,2-Dichloroethane-d4
 Concen: 52.94 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

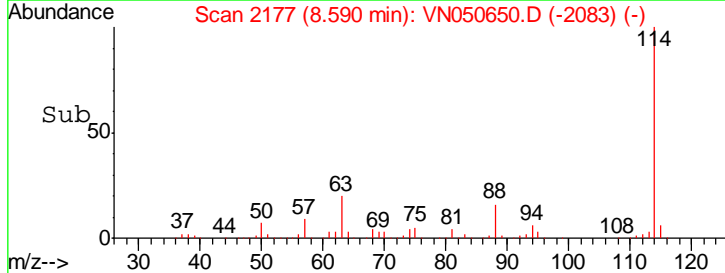
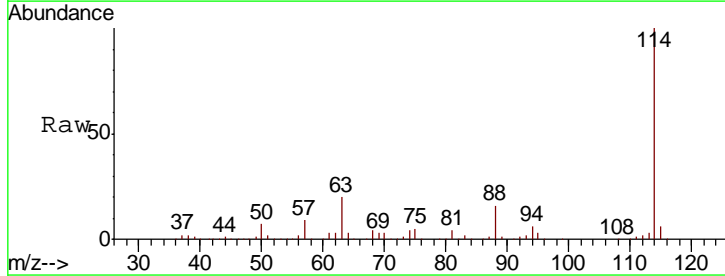
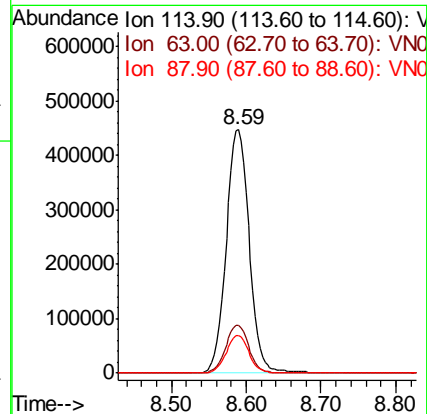
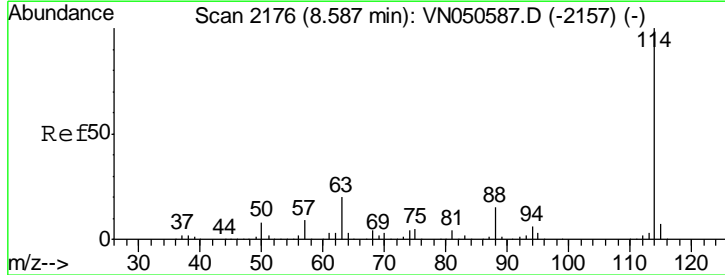
Instrument : MSVOA_N
 ClientSampleId : 952-MW-19(28)DL

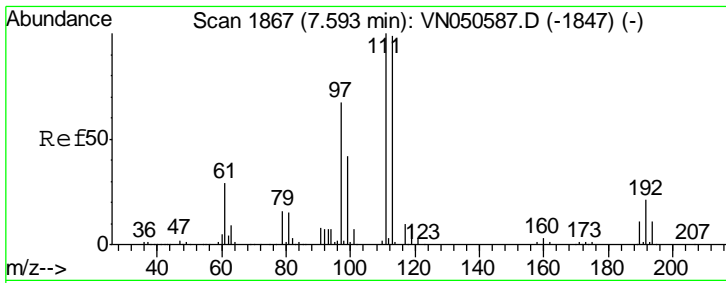
Tot Ion: 65 Resp: 410433
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

Tgt Ion: 114 Resp: 953621
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.7 0.0 30.8

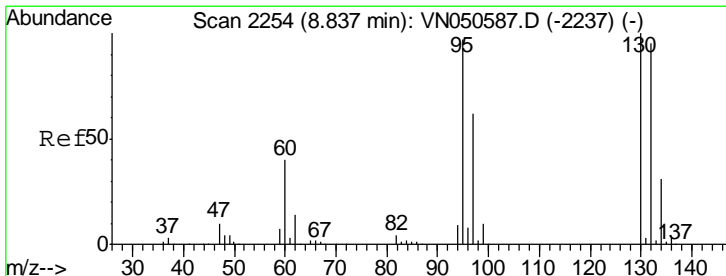
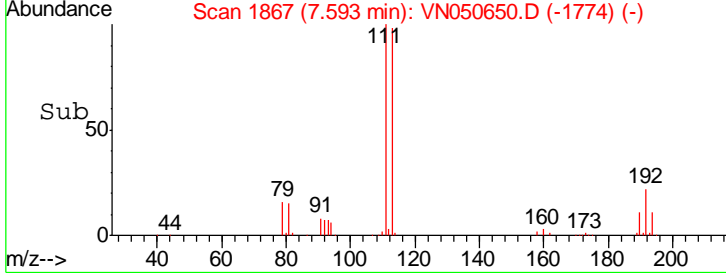
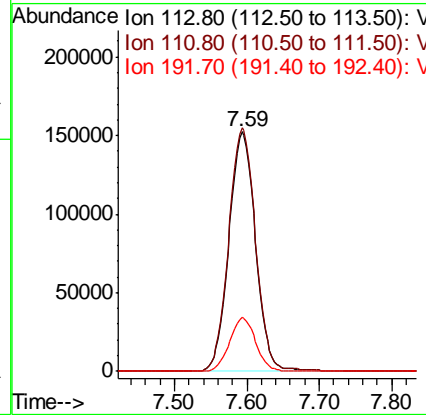
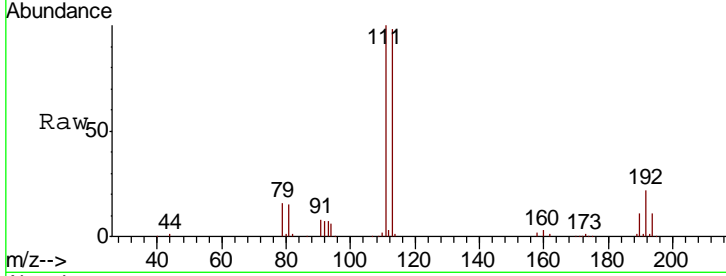




#35
 Dibromofluoromethane
 Concen: 51.03 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

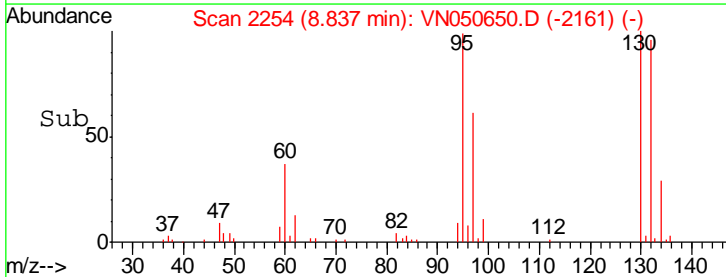
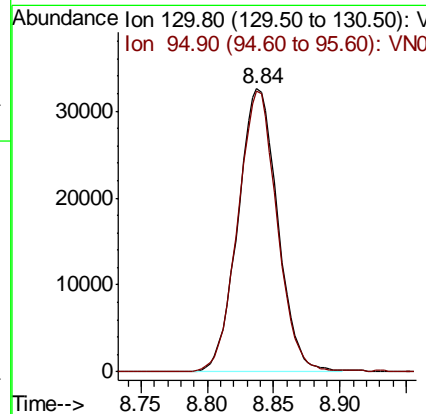
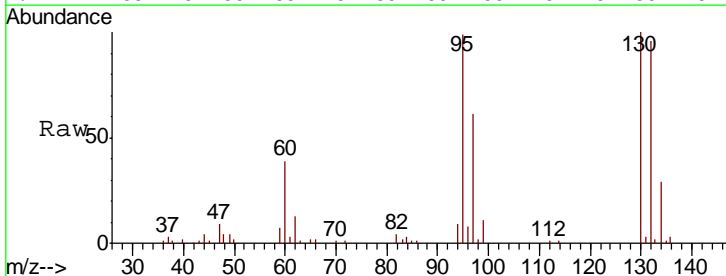
Instrument : MSVOA_N
 ClientSampled : 952-MW-19(28)DL

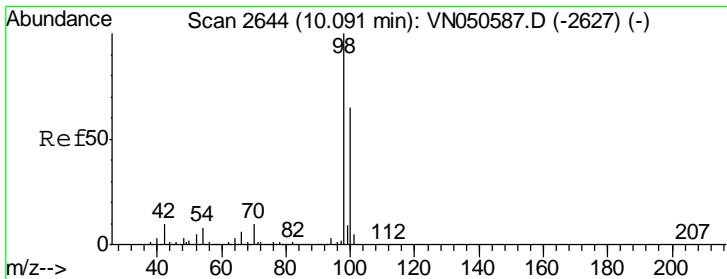
Tgt Ion	Resp	Lower	Upper
113	100		
111	101.6	81.0	121.6
192	22.1	17.6	26.4



#44
 Trichloroethene
 Concen: 7.82 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

Tgt Ion	Resp	Lower	Upper
130	100		
95	99.4	0.0	193.8



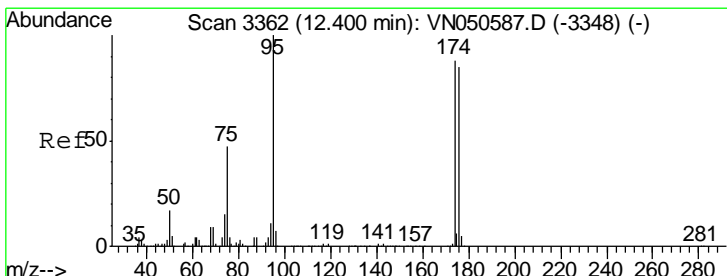
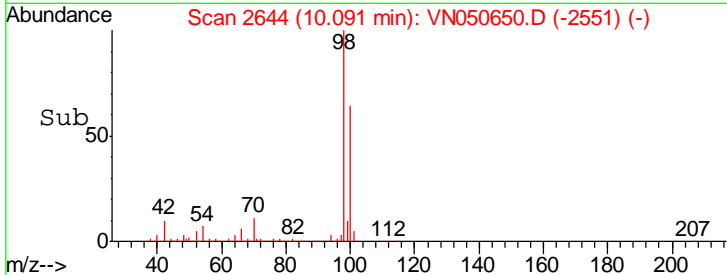
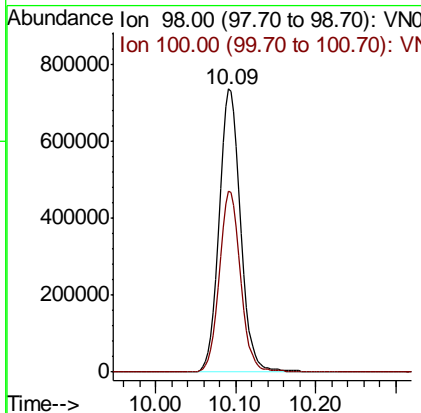
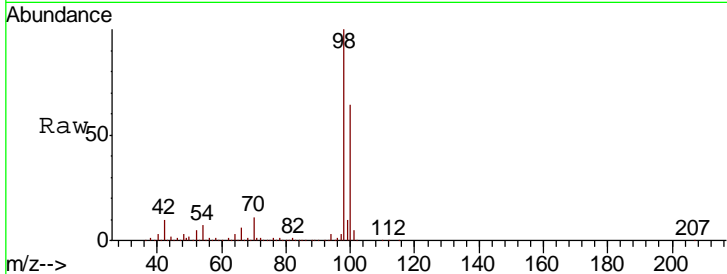


#50
 Toluene-d8
 Concen: 47.78 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

Instrument : MSVOA_N
 ClientSampled : 952-MW-19(28)DL

Tgt Ion: 98 Resp: 1369134

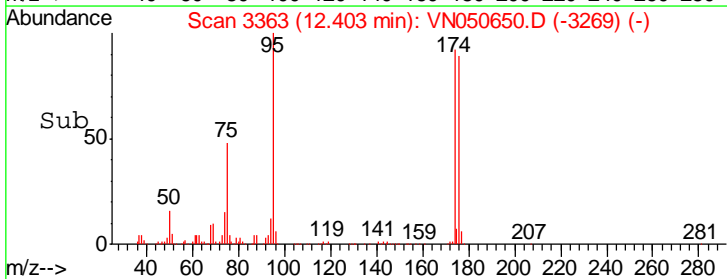
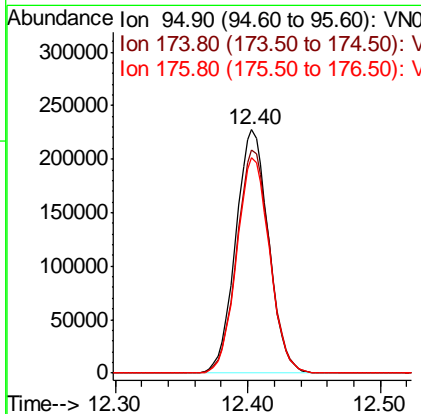
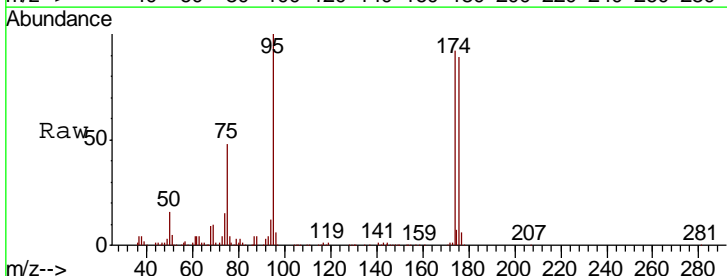
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.8	77.8

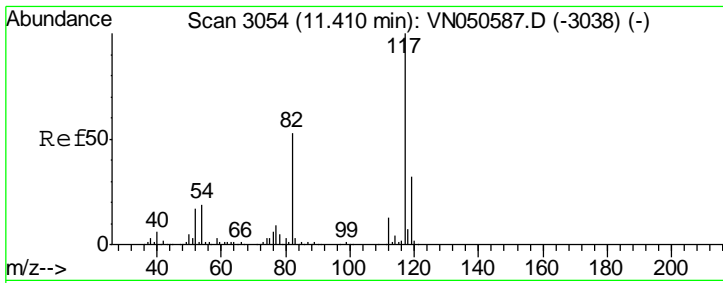


#62
 4-Bromofluorobenzene
 Concen: 41.37 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

Tgt Ion: 95 Resp: 391612

Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	177.8
176	88.6	0.0	175.0

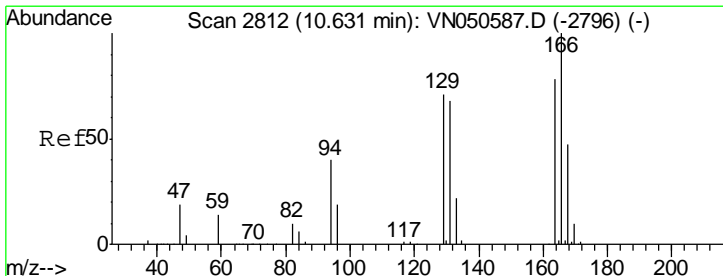
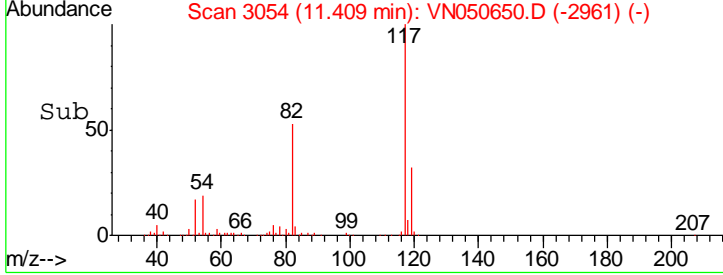
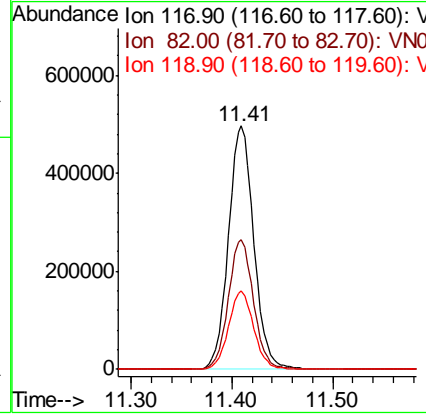
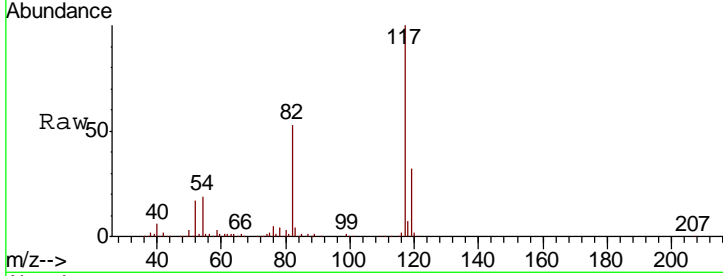




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

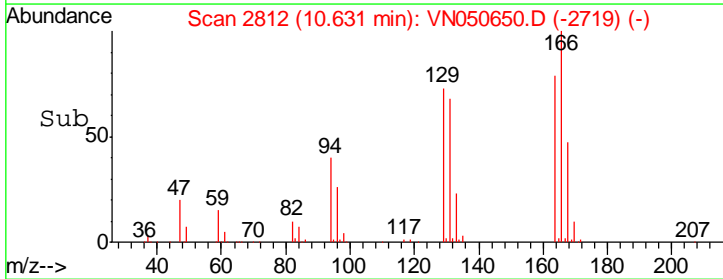
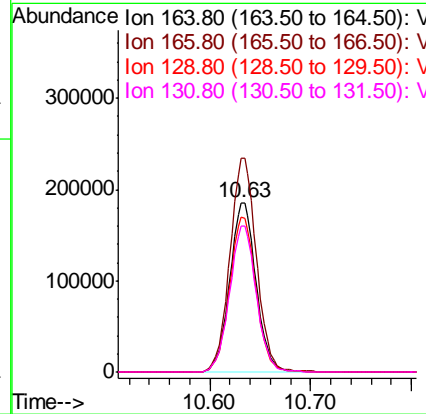
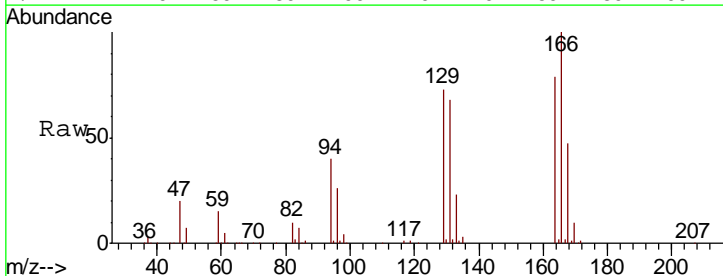
Instrument : MSVOA_N
 ClientSampleId : 952-MW-19(28)DL

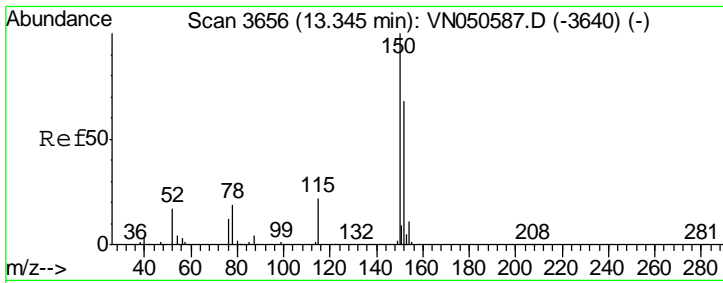
Tgt Ion	Resp	Lower	Upper
117	872618		
82	53.2	42.4	63.6
119	32.0	25.8	38.8



#64
 Tetrachloroethene
 Concen: 41.65 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

Tgt Ion	Resp	Lower	Upper
164	337490		
166	126.0	102.1	153.1
129	91.6	72.7	109.1
131	86.1	69.9	104.9

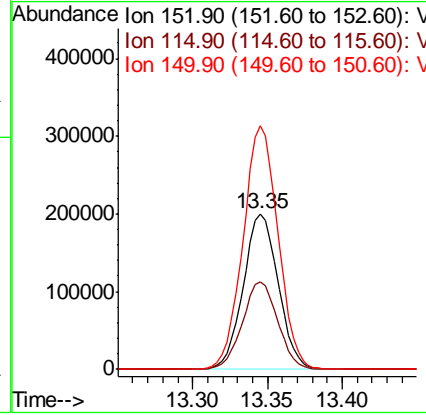
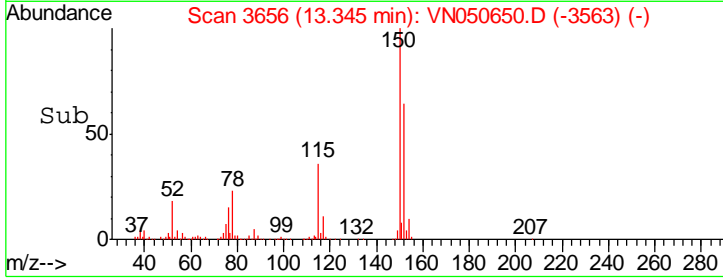
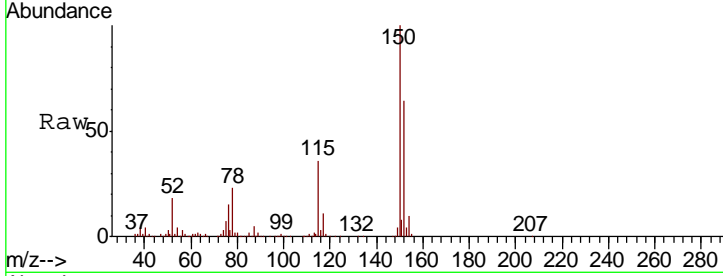




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050650.D
 Acq: 15 Aug 2018 13:09

Instrument : MSVOA_N
 ClientSampleID : 952-MW-19(28)DL

Tot Ion	Resp	Lower	Upper
152	100		
115	56.6	28.1	84.2
150	156.6	0.0	347.8



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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	953-MW-20(22)	SDG No.:	J4465
Lab Sample ID:	J4465-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050659.D	1		08/15/18 16:52	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	6.8		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1.2		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	3.1		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	953-MW-20(22)	SDG No.:	J4465
Lab Sample ID:	J4465-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050659.D	1		08/15/18 16:52	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	4.1		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53		61 - 141		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	47.7		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		58 - 135		80%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	643074	7.67				
540-36-3	1,4-Difluorobenzene	1003400	8.59				
3114-55-4	Chlorobenzene-d5	891849	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	321995	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	953-MW-20(22)	SDG No.:	J4465
Lab Sample ID:	J4465-16	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050659.D	1		08/15/18 16:52	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050659.D
 Acq On : 15 Aug 2018 16:52
 Operator : MD\SY
 Sample : J4465-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 953-MW-20(22)

Quant Time: Aug 16 03:53:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	643074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1003397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	891849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	321995	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	429727	53.01	ug/l	0.00
Spiked Amount						
						Recovery = 106.02%
35) Dibromofluoromethane	7.59	113	403612	50.38	ug/l	0.00
Spiked Amount						
						Recovery = 100.76%
50) Toluene-d8	10.09	98	1439407	47.74	ug/l	0.00
Spiked Amount						
						Recovery = 95.48%
62) 4-Bromofluorobenzene	12.40	95	396703	39.83	ug/l	0.00
Spiked Amount						
						Recovery = 79.66%

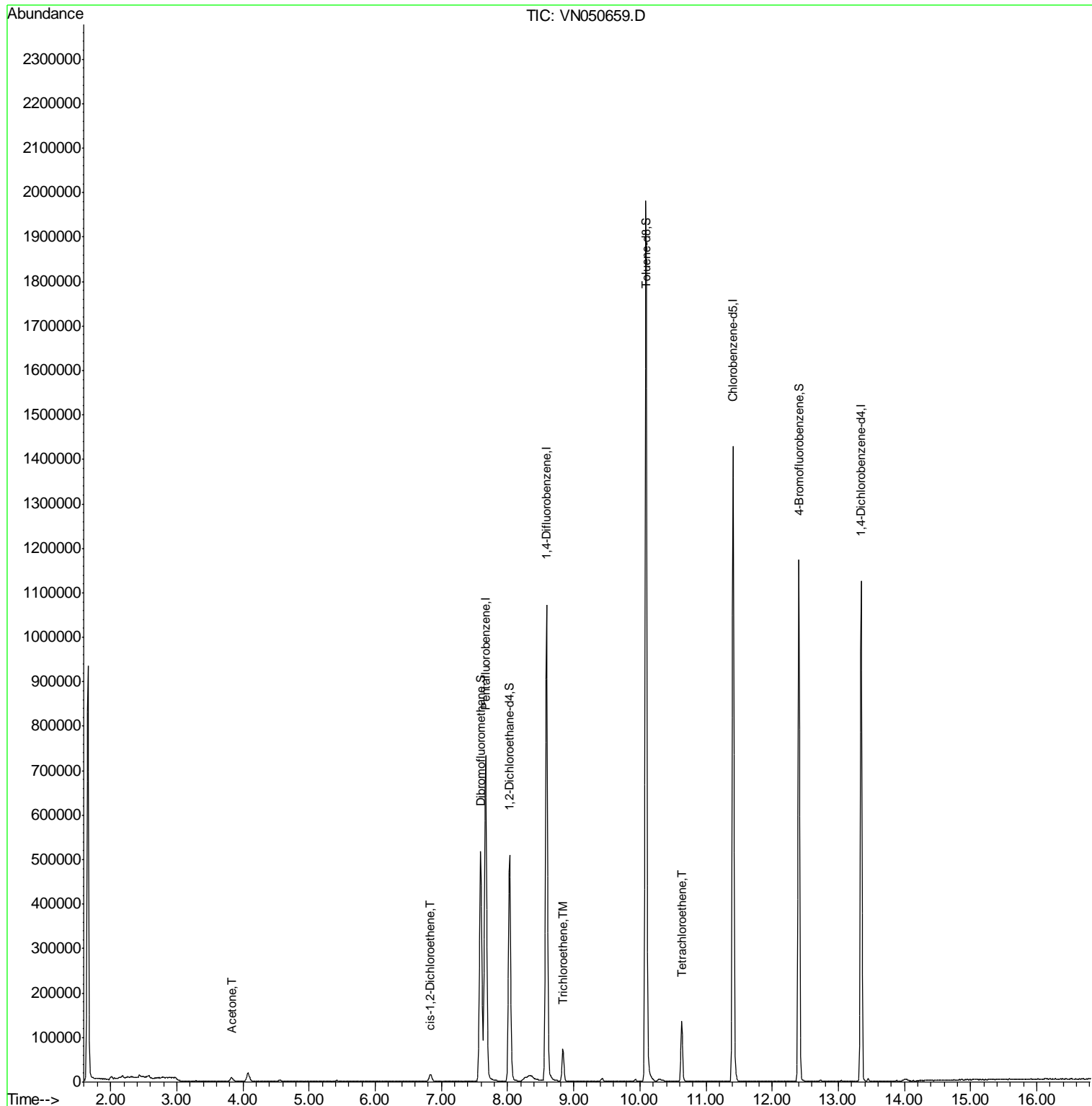
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	16695	6.84	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	10367	1.23	ug/l	88
44) Trichloroethene	8.84	130	27991	3.08	ug/l	97
64) Tetrachloroethene	10.63	164	33996	4.10	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

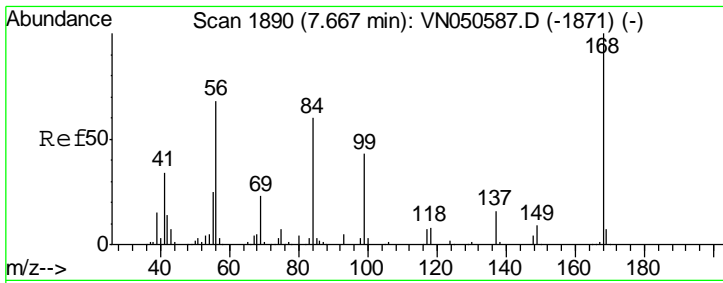
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 Data File : VN050659.D
 Acq On : 15 Aug 2018 16:52
 Operator : MD\SY
 Sample : J4465-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 953-MW-20(22)

Quant Time: Aug 16 03:53:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



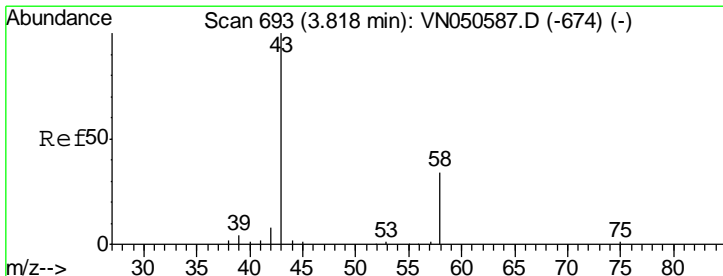
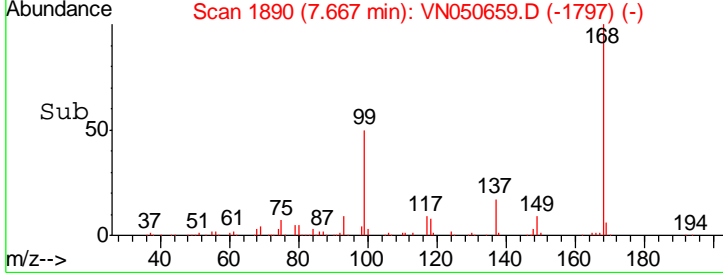
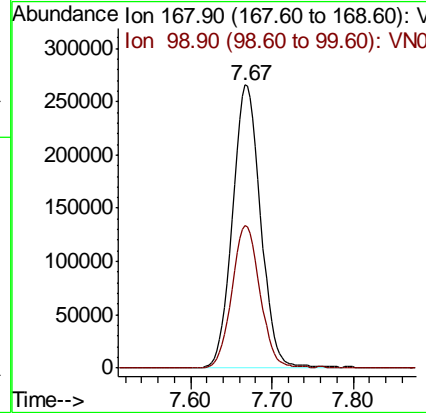
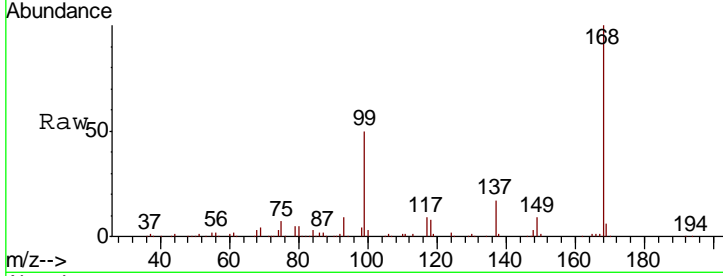
- 1
- 2
- 3
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050659.D
 Acq: 15 Aug 2018 16:52

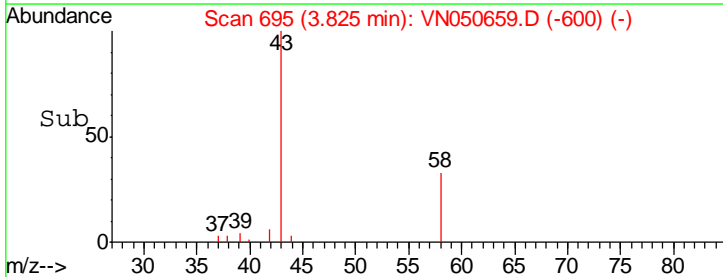
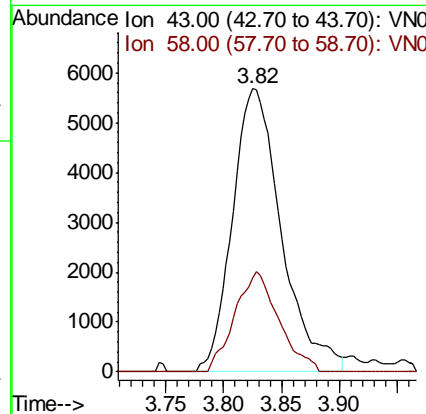
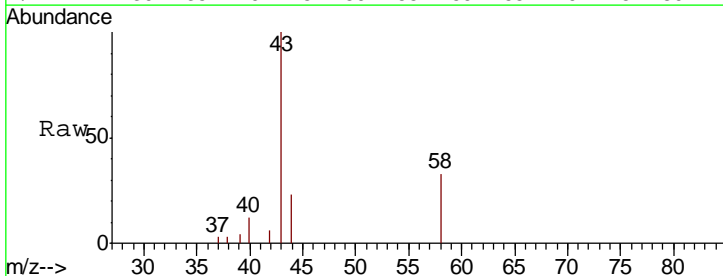
Instrument :
 MSVOA_N
 ClientSampleId :
 953-MW-20(22)

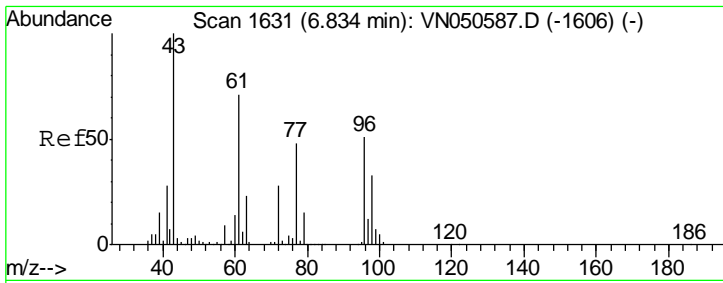
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.5	40.8	61.2



#16
 Acetone
 Concen: 6.84 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN050659.D
 Acq: 15 Aug 2018 16:52

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.3	27.1	40.7

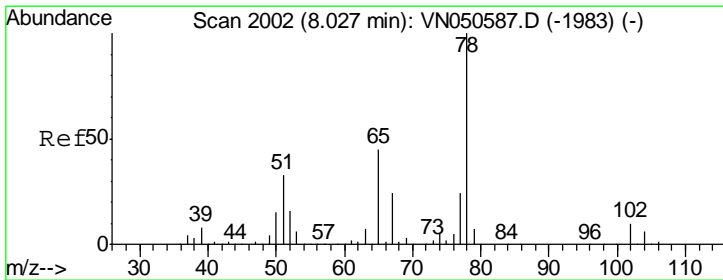
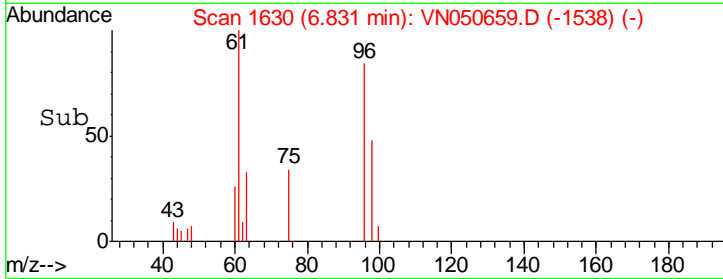
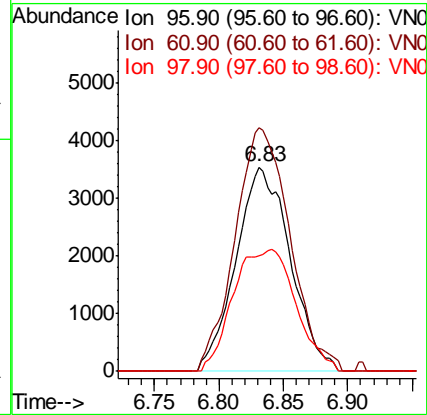
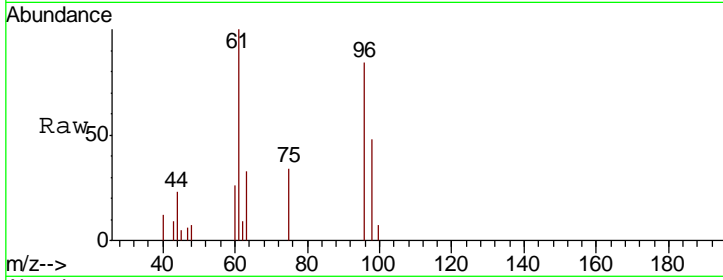




#27
 cis-1,2-Dichloroethene
 Concen: 1.23 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050659.D
 Acq: 15 Aug 2018 16:52

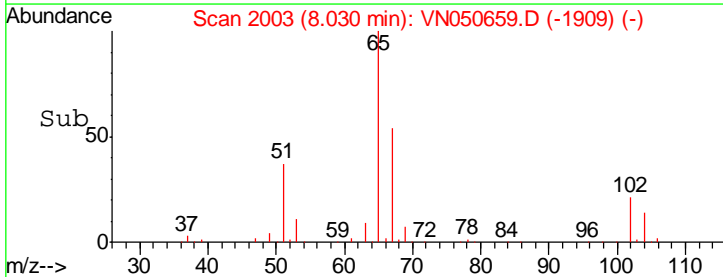
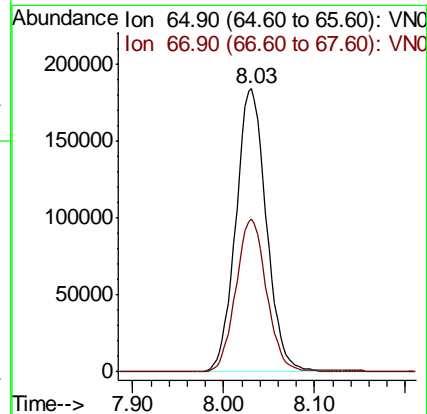
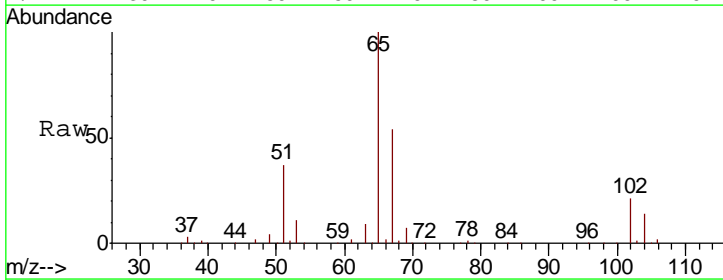
Instrument : MSVOA_N
 ClientSampled : 953-MW-20(22)

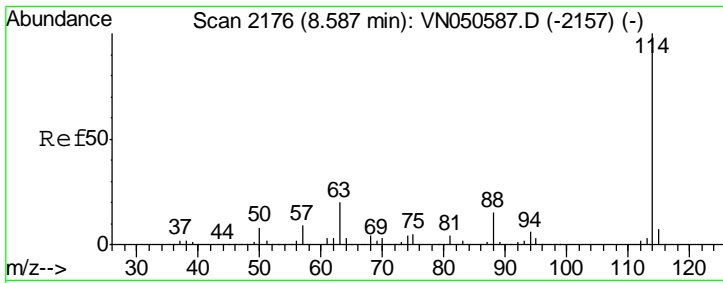
Tgt Ion	Resp	Lower	Upper
96	10367		
61	120.5	0.0	278.2
98	68.6	0.0	128.8



#33
 1,2-Dichloroethane-d4
 Concen: 53.01 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050659.D
 Acq: 15 Aug 2018 16:52

Tgt Ion	Resp	Lower	Upper
65	429727		
67	54.2	0.0	109.8

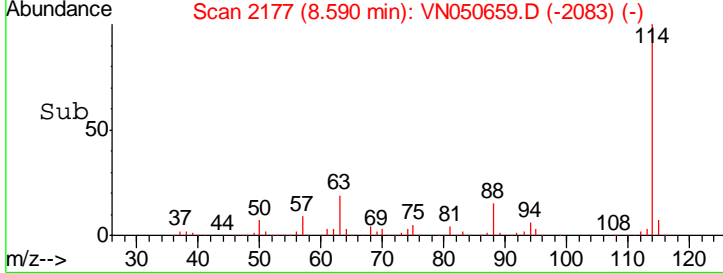
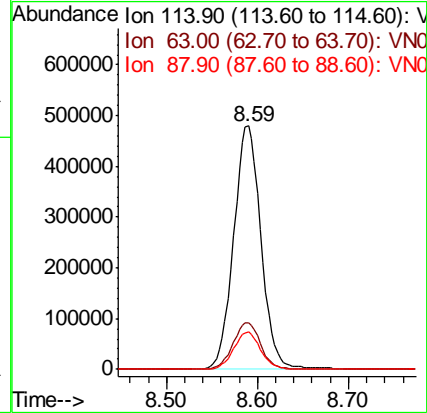
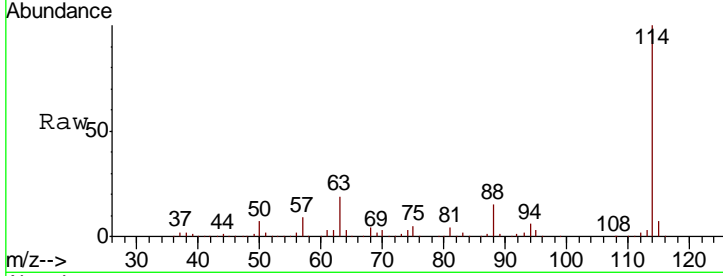




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050659.D
 Acq: 15 Aug 2018 16:52

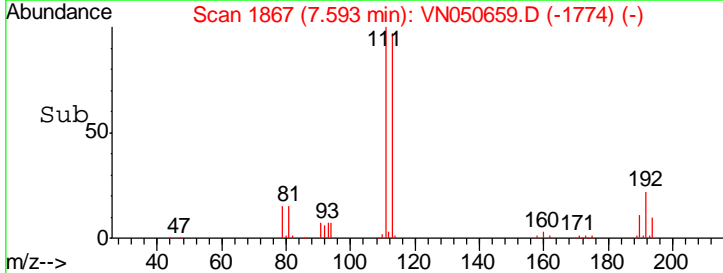
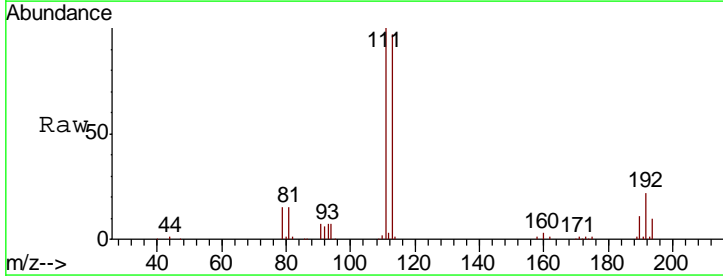
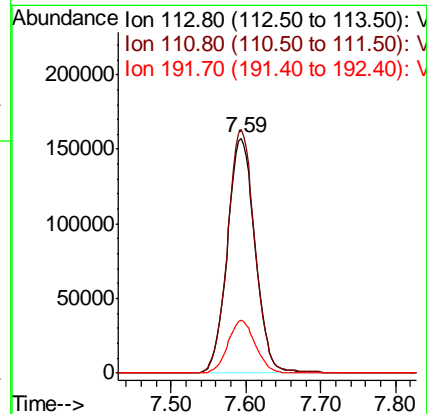
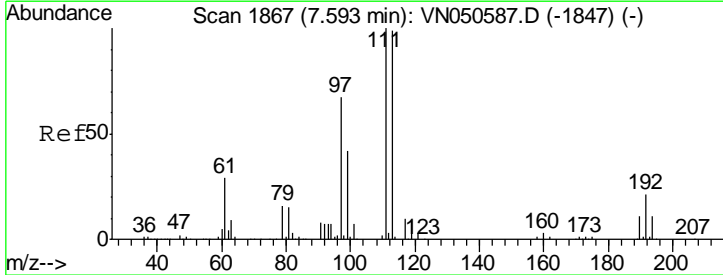
Instrument : MSVOA_N
 ClientSampled : 953-MW-20(22)

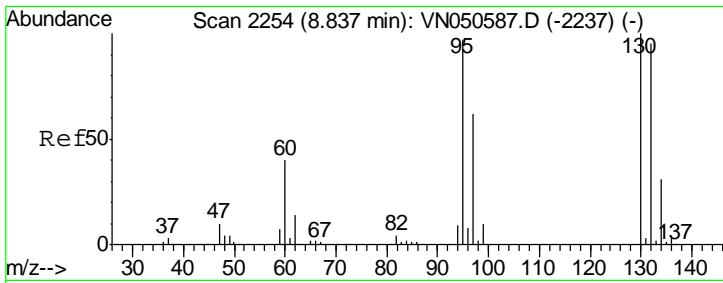
Tgt Ion	Resp	Lower	Upper
114	1003397		
63	19.3	0.0	40.0
88	15.2	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 50.38 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050659.D
 Acq: 15 Aug 2018 16:52

Tgt Ion	Resp	Lower	Upper
113	403612		
111	102.5	81.0	121.6
192	22.2	17.6	26.4

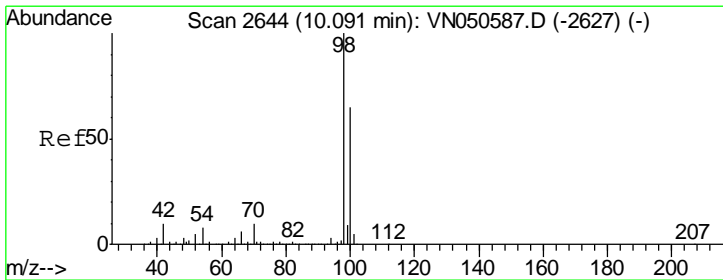
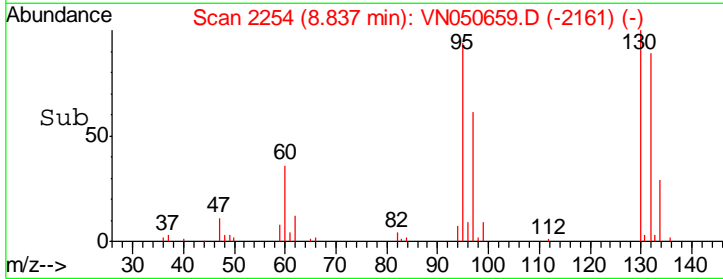
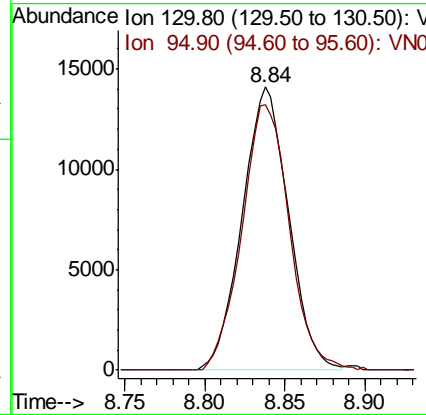
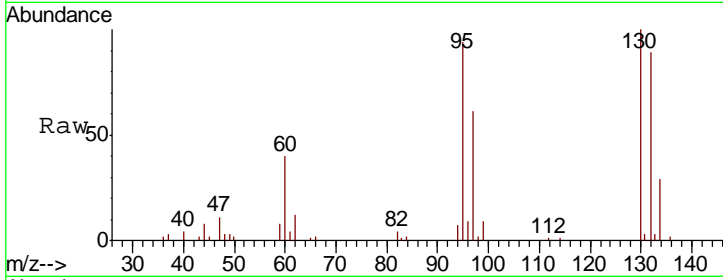




#44
 Trichloroethene
 Concen: 3.08 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050659.D
 Acq: 15 Aug 2018 16:52

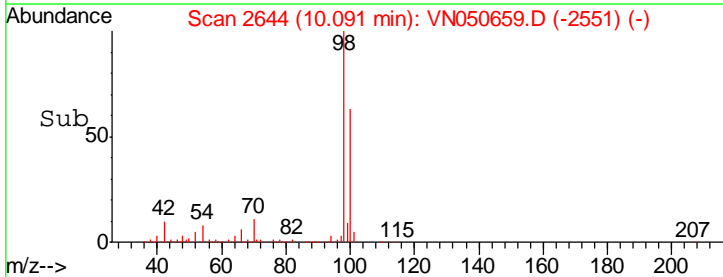
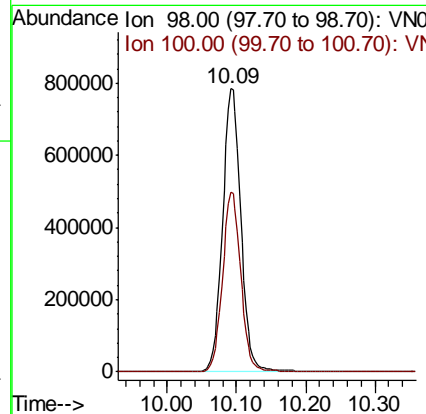
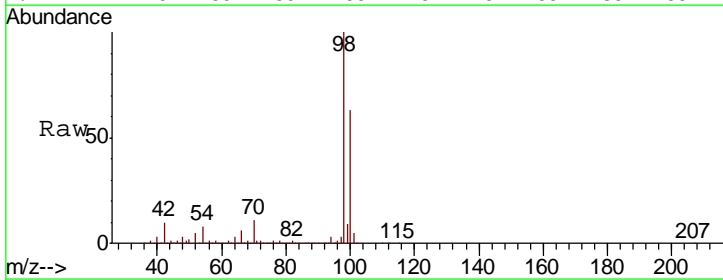
Instrument : MSVOA_N
 ClientSampled : 953-MW-20(22)

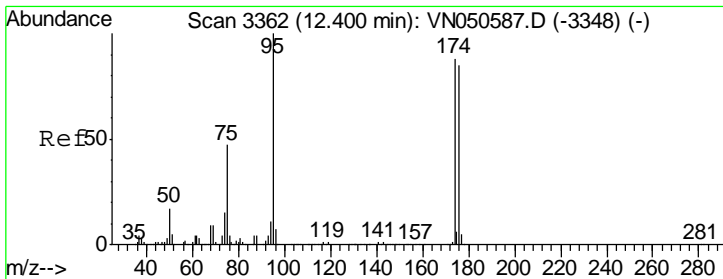
Tgt Ion	Resp	Lower	Upper
130	100		
95	94.0	0.0	193.8



#50
 Toluene-d8
 Concen: 47.74 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050659.D
 Acq: 15 Aug 2018 16:52

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.3	51.8	77.8

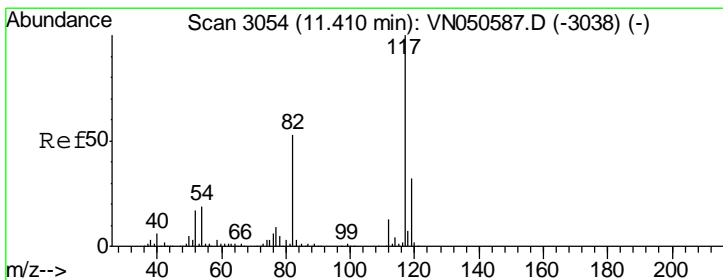
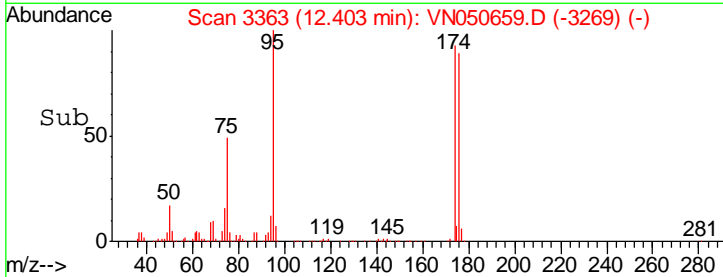
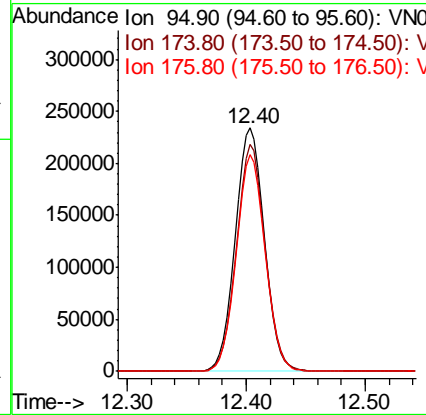
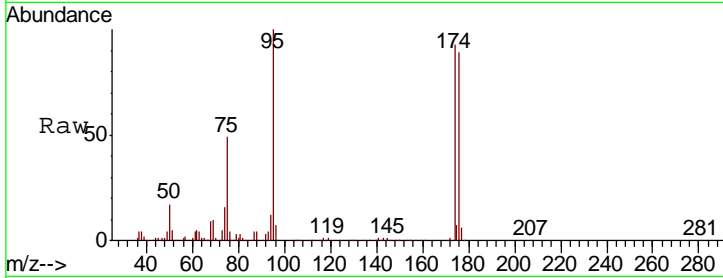




#62
 4-Bromofluorobenzene
 Concen: 39.83 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050659.D
 Acq: 15 Aug 2018 16:52

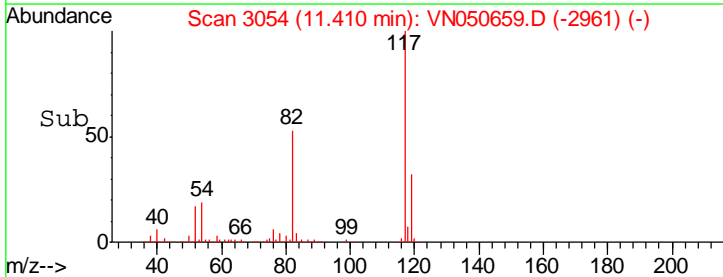
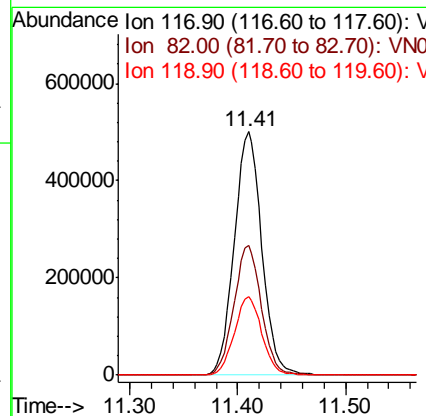
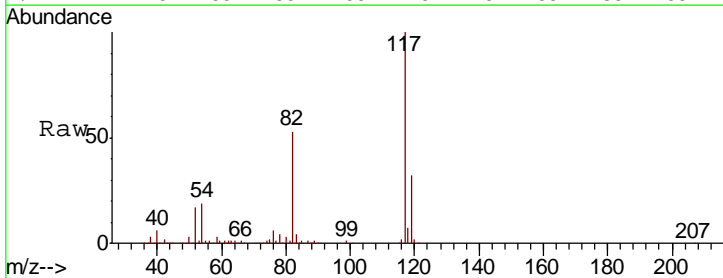
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 ClientSampled : 953-MW-20(22)

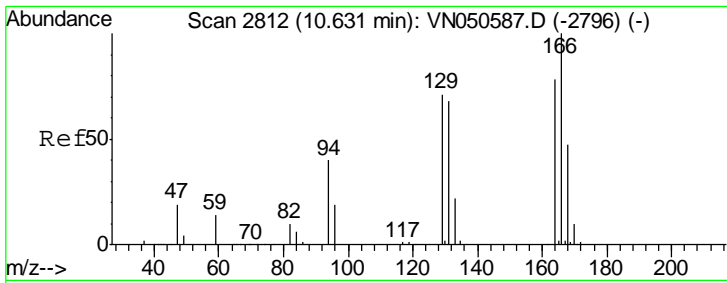
Tgt Ion	Resp	Lower	Upper
95	396703		
174	91.7	0.0	177.8
176	88.2	0.0	175.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050659.D
 Acq: 15 Aug 2018 16:52

Tgt Ion	Resp	Lower	Upper
117	891849		
82	53.3	42.4	63.6
119	32.0	25.8	38.8

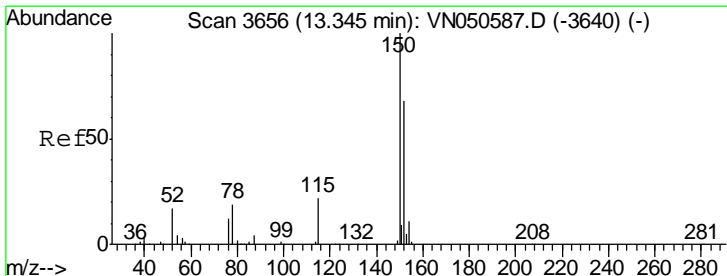
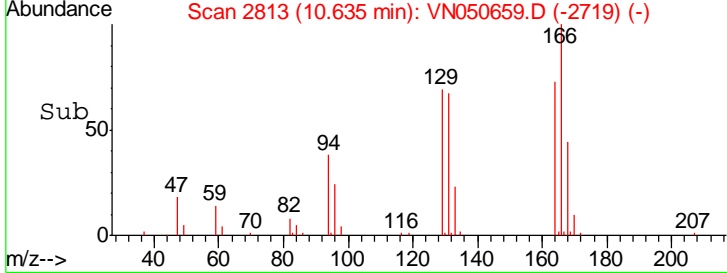
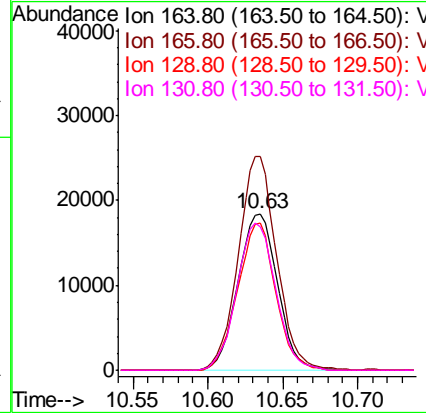
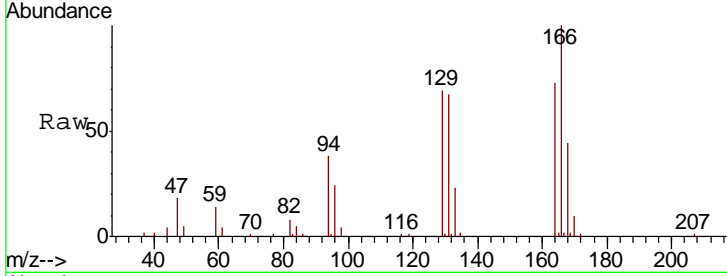




#64
 Tetrachloroethene
 Concen: 4.10 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN050659.D
 Acq: 15 Aug 2018 16:52

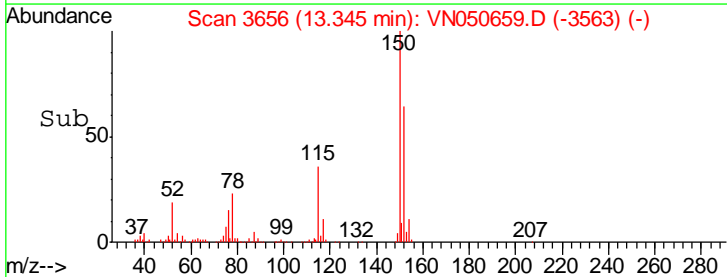
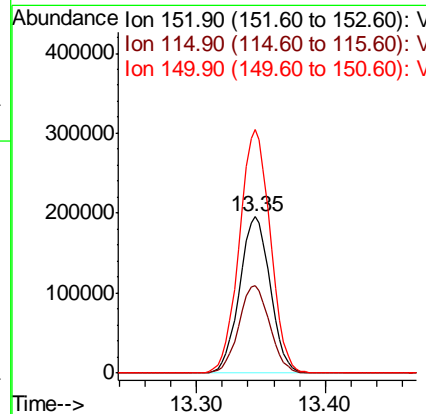
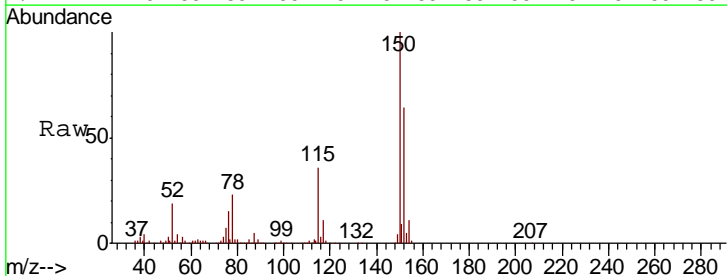
Instrument : MSVOA_N
 ClientSampled : 953-MW-20(22)

Tgt Ion	Resp	Lower	Upper
164	100		
166	136.3	102.1	153.1
129	94.2	72.7	109.1
131	91.6	69.9	104.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050659.D
 Acq: 15 Aug 2018 16:52

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.6	28.1	84.2
150	157.6	0.0	347.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050659.D
 Acq On : 15 Aug 2018 16:52
 Operator : MD\SY
 Sample : J4465-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 953-MW-20(22)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	42	rBV	933036	1523309	41.48%	8.197%
2	4.076	756	773	796	rBV2	18741	56367	1.54%	0.303%
3	6.831	1614	1630	1650	rBV5	15868	50189	1.37%	0.270%
4	7.593	1848	1867	1878	rBV	518190	1292339	35.19%	6.954%
5	7.667	1879	1890	1920	rVB	730182	1754730	47.79%	9.443%
6	8.030	1984	2003	2032	rBV	509103	1195887	32.57%	6.435%
7	8.590	2159	2177	2215	rBV	1070174	2255521	61.43%	12.137%
8	8.837	2239	2254	2268	rBV2	71211	143668	3.91%	0.773%
9	10.091	2627	2644	2690	rBV	1980379	3671959	100.00%	19.760%
10	10.632	2800	2812	2833	rVB3	134916	246284	6.71%	1.325%
11	11.410	3039	3054	3078	rBV	1428649	2545401	69.32%	13.697%
12	12.403	3348	3363	3389	rBV	1172176	1979742	53.92%	10.653%
13	13.345	3642	3656	3671	rBV	1123907	1867826	50.87%	10.051%

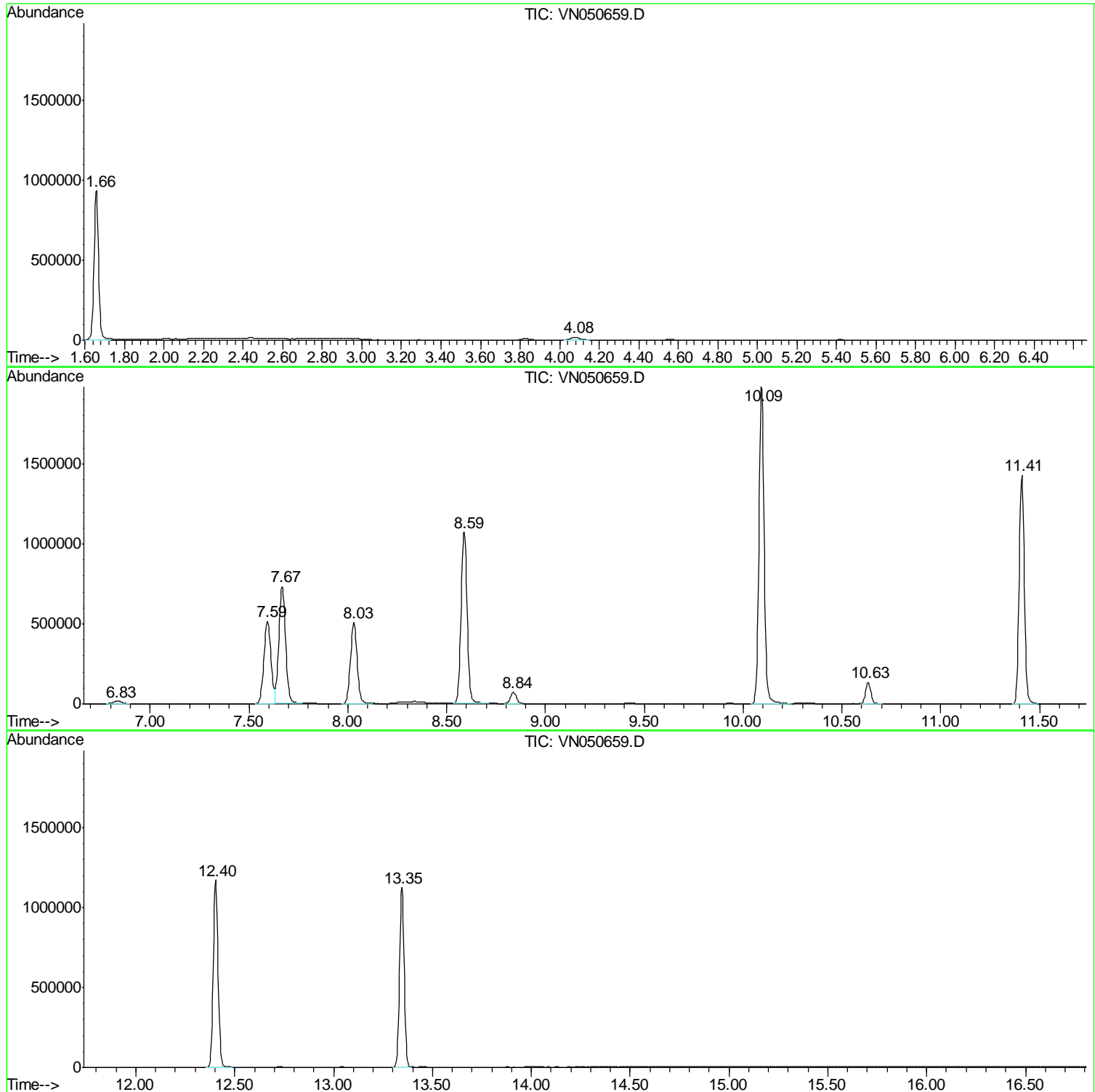
Sum of corrected areas: 18583222

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050659.D
Acq On : 15 Aug 2018 16:52
Operator : MD\SY
Sample : J4465-16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
953-MW-20(22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
Data File : VN050659.D
Acq On : 15 Aug 2018 16:52
Operator : MD\SY
Sample : J4465-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
953-MW-20(22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
 Data File : VN050659.D
 Acq On : 15 Aug 2018 16:52
 Operator : MD\SY
 Sample : J4465-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 953-MW-20(22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	954-FB081318	SDG No.:	J4465
Lab Sample ID:	J4465-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050621.D	1		08/14/18 23:49	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	14.5		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	954-FB081318	SDG No.:	J4465
Lab Sample ID:	J4465-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050621.D	1		08/14/18 23:49	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.7		61 - 141		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	47.2		65 - 126		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.9		58 - 135		78%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	609611	7.67				
540-36-3	1,4-Difluorobenzene	938062	8.59				
3114-55-4	Chlorobenzene-d5	795716	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	295511	13.35				
TENTATIVE IDENTIFIED COMPOUNDS							
001066-40-6	Silanol, trimethyl-	9.1	J			6.83	ug/L
000104-76-7	1-Hexanol, 2-ethyl-	33.6	J			13.45	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	954-FB081318	SDG No.:	J4465
Lab Sample ID:	J4465-17	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050621.D	1		08/14/18 23:49	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050621.D
 Acq On : 14 Aug 2018 23:49
 Operator : MD\SY
 Sample : J4465-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 954-FB081318

Quant Time: Aug 15 14:55:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	609611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	938062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	795716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	396857	51.65	ug/l	0.00
Spiked Amount						
						Recovery = 103.30%
35) Dibromofluoromethane	7.59	113	373383	49.86	ug/l	0.00
Spiked Amount						
						Recovery = 99.72%
50) Toluene-d8	10.09	98	1330613	47.21	ug/l	0.00
Spiked Amount						
						Recovery = 94.42%
62) 4-Bromofluorobenzene	12.40	95	362354	38.91	ug/l	0.00
Spiked Amount						
						Recovery = 77.82%

Target Compounds

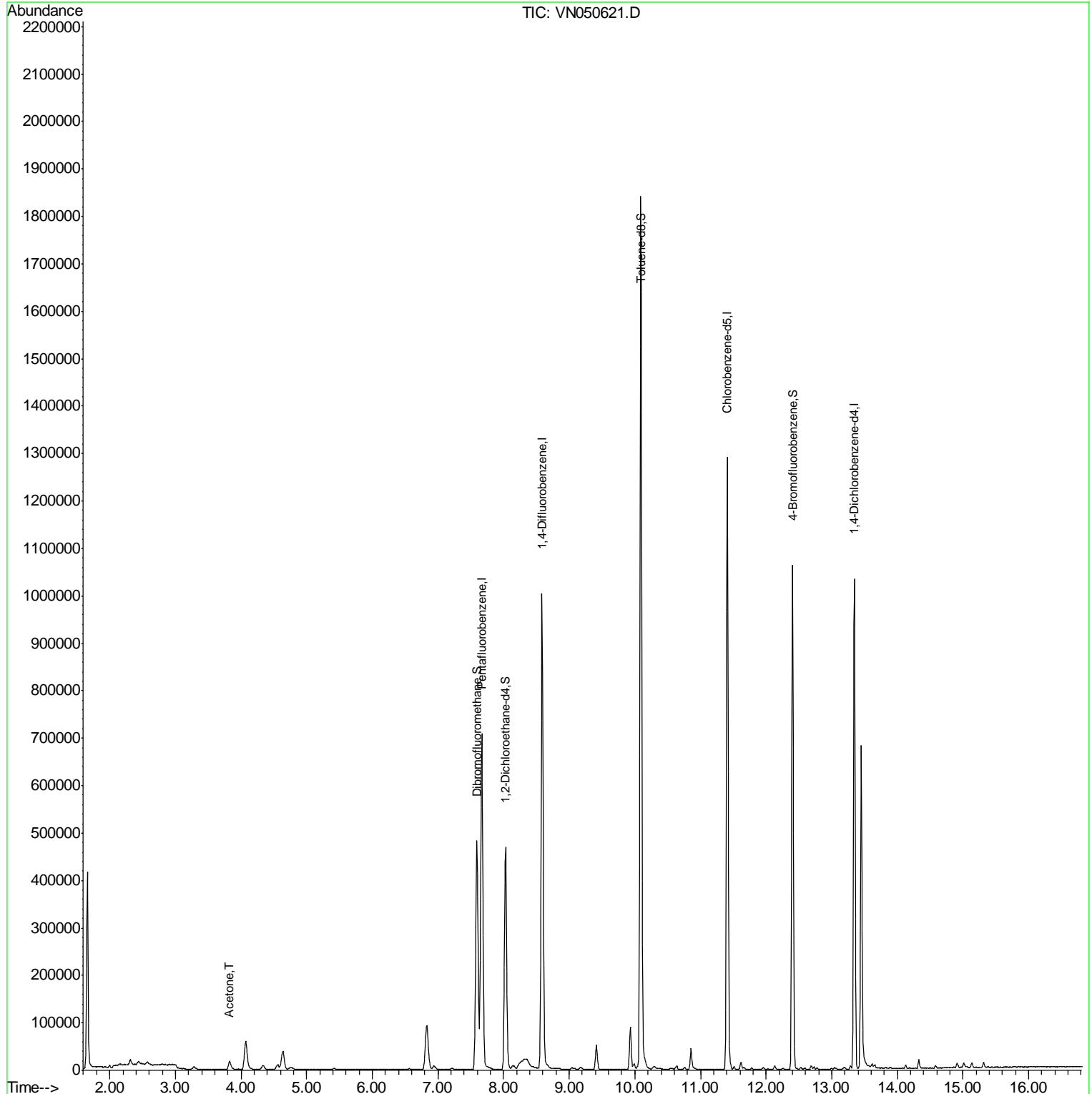
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	30381	14.47	ug/l	94

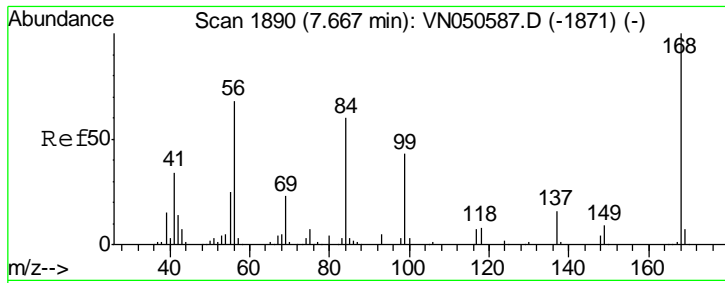
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050621.D
Acq On : 14 Aug 2018 23:49
Operator : MD\SY
Sample : J4465-17
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
954-FB081318

Quant Time: Aug 15 14:55:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

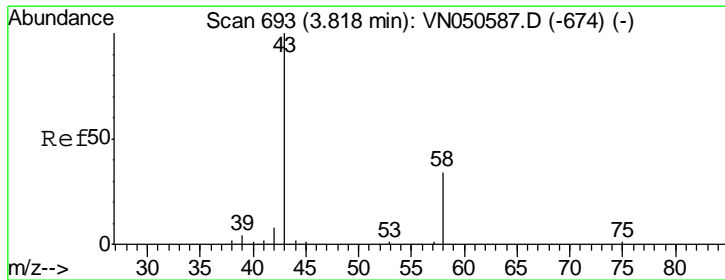
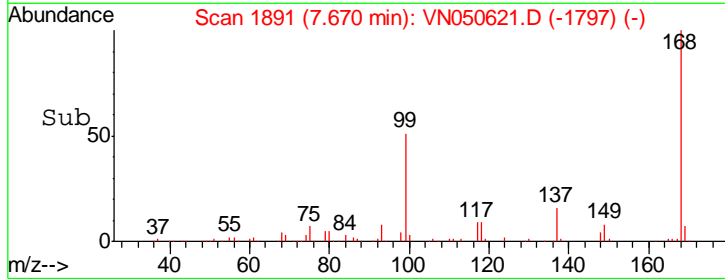
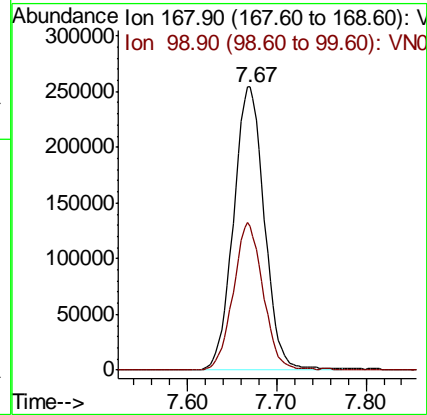
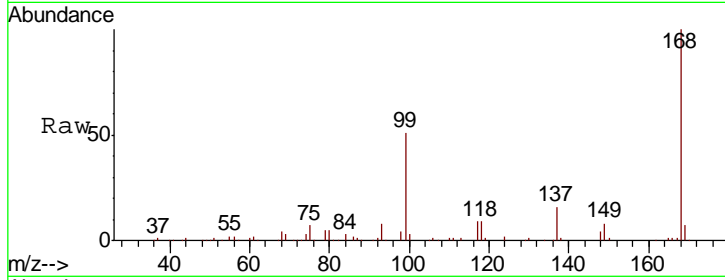




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

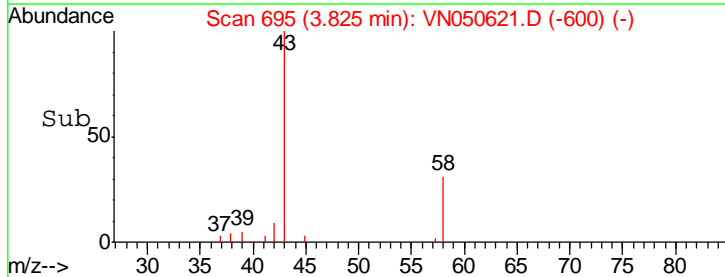
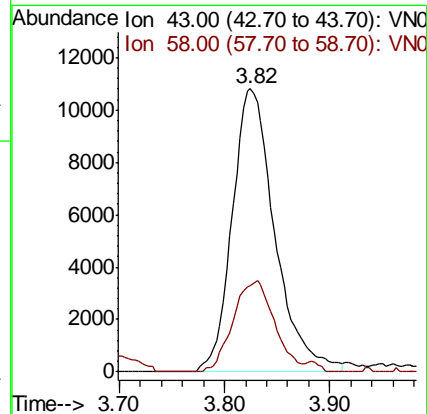
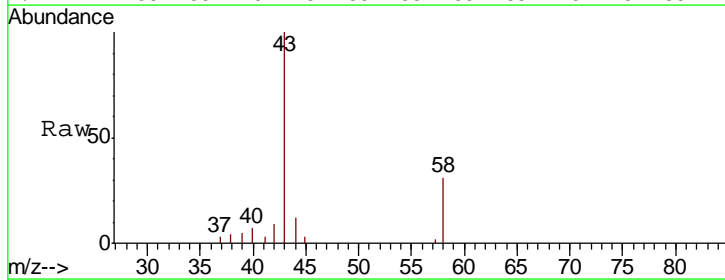
Instrument :
 MSVOA_N
 ClientSampleId :
 954-FB081318

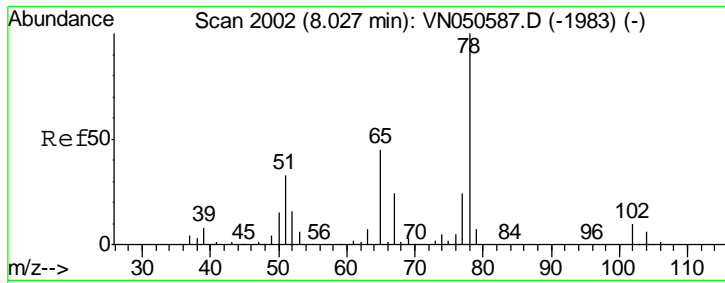
Tgt Ion	Resp	Lower	Upper
168	100		
99	51.0	40.8	61.2



#16
 Acetone
 Concen: 14.47 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

Tgt Ion	Resp	Lower	Upper
43	100		
58	30.6	27.1	40.7

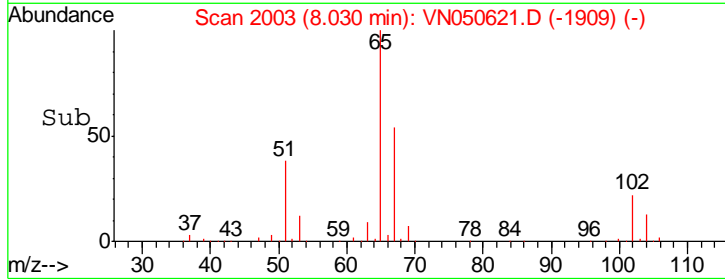
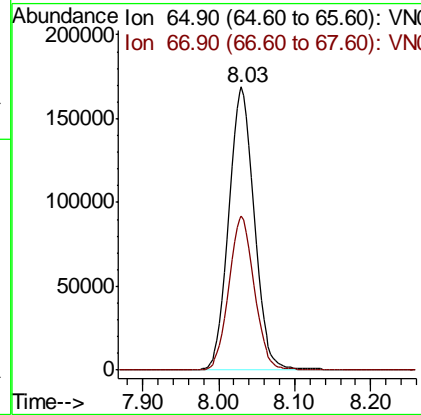
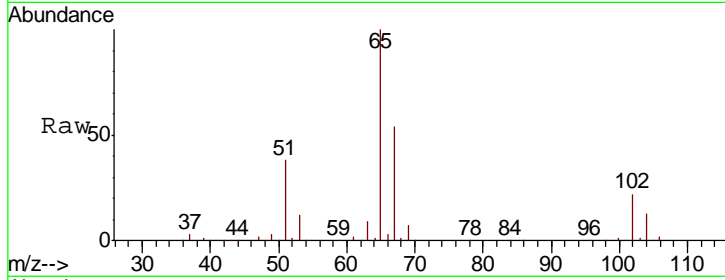




#33
 1,2-Dichloroethane-d4
 Concen: 51.65 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

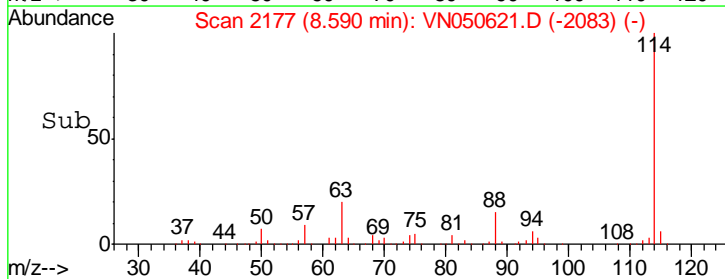
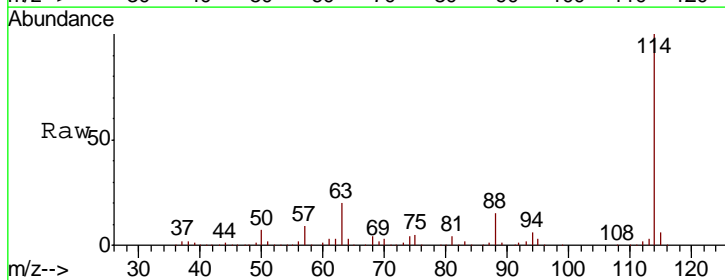
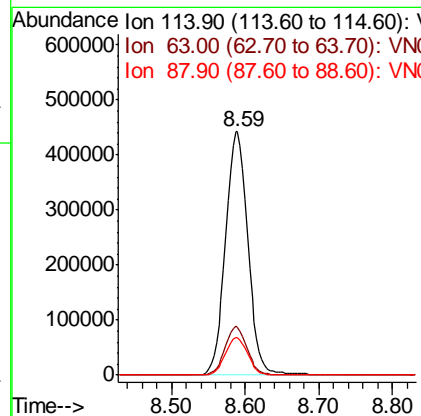
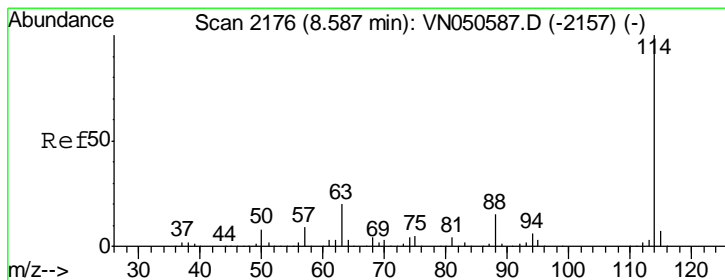
Instrument : MSVOA_N
 ClientSampled : 954-FB081318

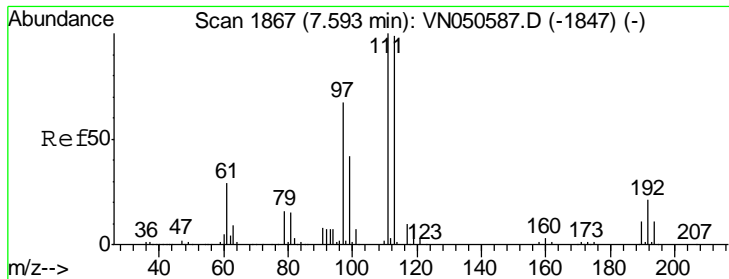
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.1	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	15.2	0.0	30.8

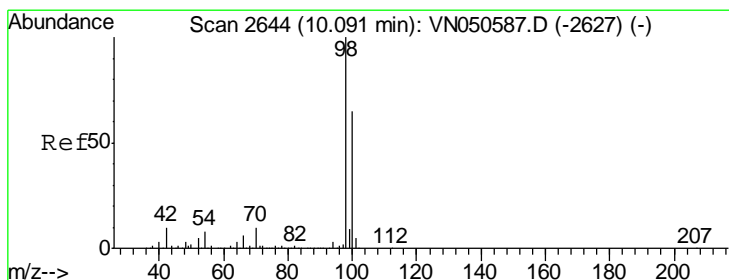
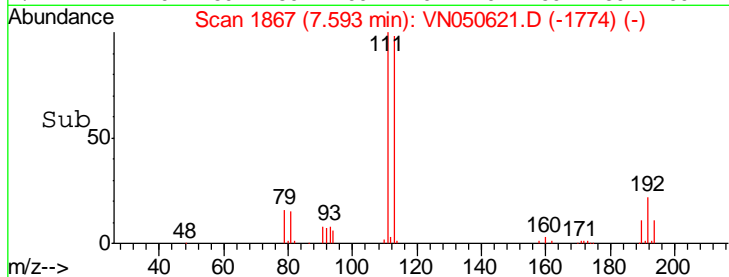
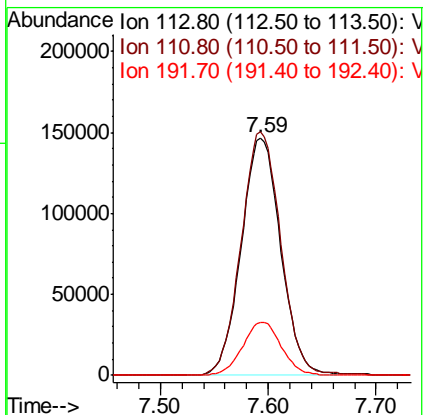
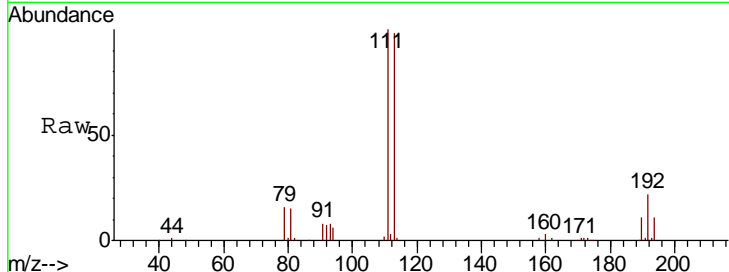




#35
 Dibromofluoromethane
 Concen: 49.86 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

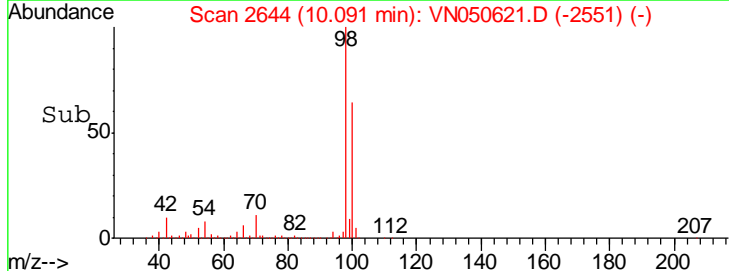
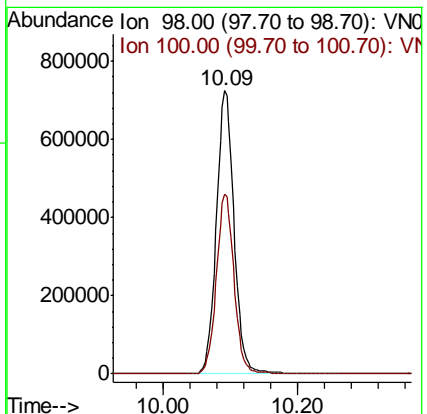
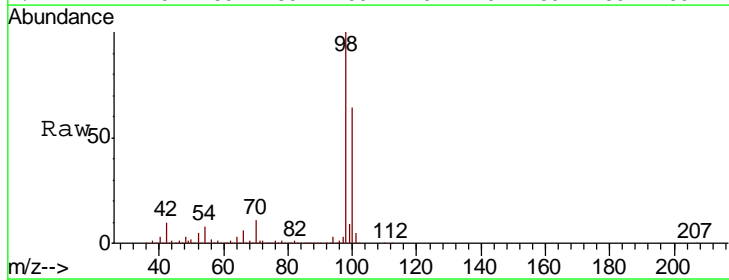
Instrument : MSVOA_N
 ClientSampleId : 954-FB081318

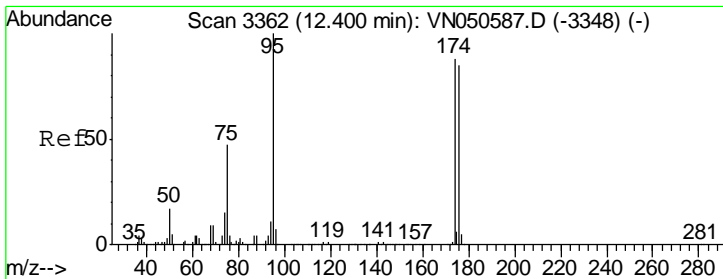
Tgt Ion	Resp	Lower	Upper
113	100		
111	103.3	81.0	121.6
192	22.1	17.6	26.4



#50
 Toluene-d8
 Concen: 47.21 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.5	51.8	77.8

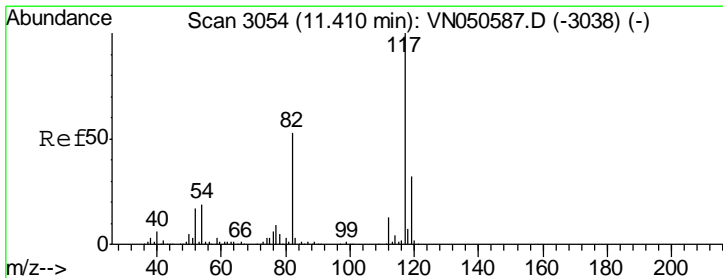
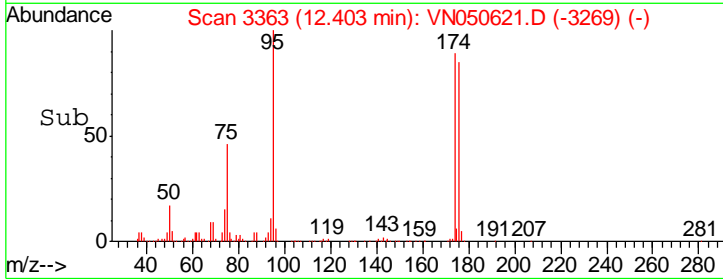
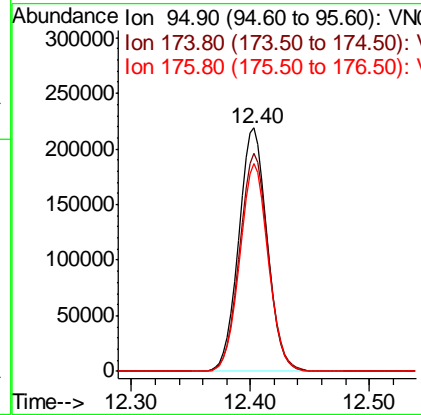
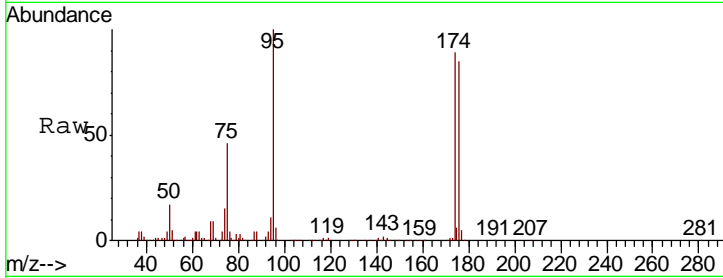




#62
 4-Bromofluorobenzene
 Concen: 38.91 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

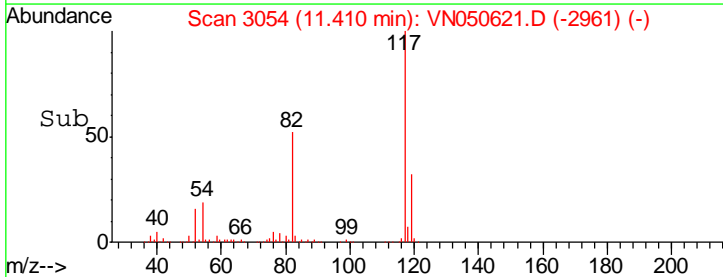
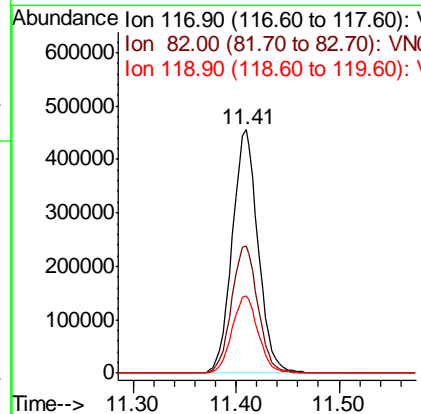
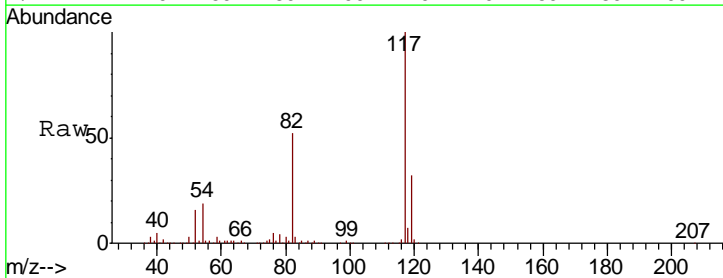
Instrument : MSVOA_N
 ClientSampleId : 954-FB081318

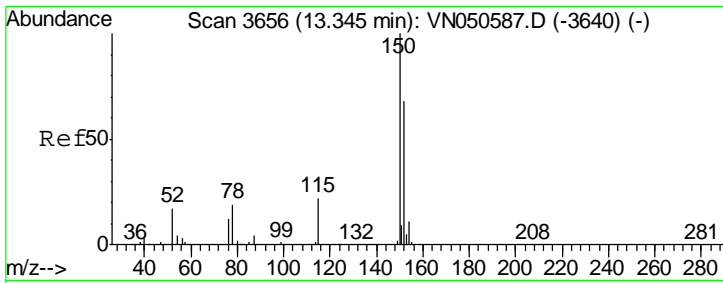
Tgt Ion	Resp	Lower	Upper
95	362354		
174	90.6	0.0	177.8
176	85.2	0.0	175.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

Tgt Ion	Resp	Lower	Upper
117	795716		
82	52.4	42.4	63.6
119	31.9	25.8	38.8

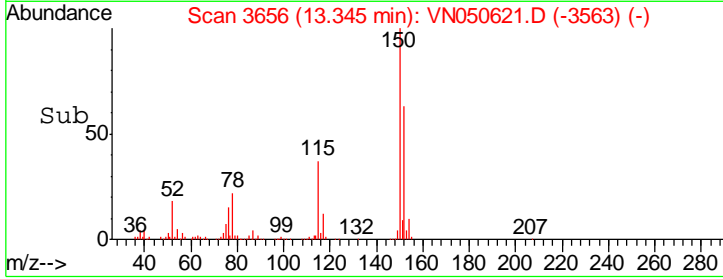
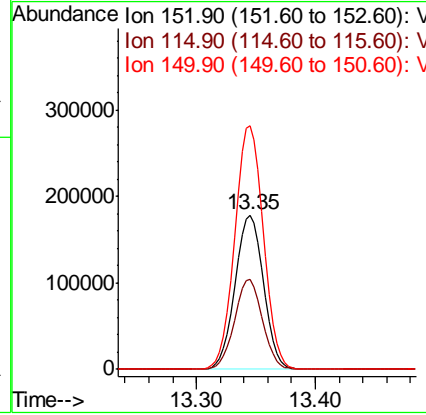
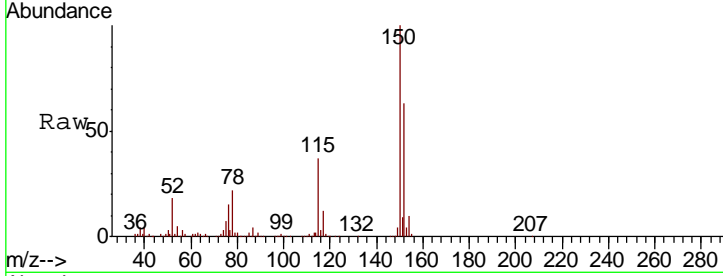




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050621.D
 Acq: 14 Aug 2018 23:49

Instrument : MSVOA_N
 ClientSampled : 954-FB081318

Tot Ion	Resp	Lower	Upper
152	100		
115	57.1	28.1	84.2
150	158.8	0.0	347.8



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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050621.D
 Acq On : 14 Aug 2018 23:49
 Operator : MD\SY
 Sample : J4465-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 954-FB081318

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.661	4	22	46	rBV	415625	660467	19.35%	3.649%
2	3.825	683	695	712	rBV2	16677	42748	1.25%	0.236%
3	4.072	750	772	796	rBV	60696	183066	5.36%	1.011%
4	4.641	933	949	967	rVB4	37306	117299	3.44%	0.648%
5	6.831	1607	1630	1650	rBV2	94058	299867	8.78%	1.657%
6	7.593	1847	1867	1878	rBV	483262	1205000	35.30%	6.658%
7	7.667	1879	1890	1915	rVB	703430	1651586	48.38%	9.125%
8	8.030	1984	2003	2028	rBV	469541	1096360	32.12%	6.057%
9	8.586	2160	2176	2209	rBV	999740	2117415	62.03%	11.699%
10	9.413	2421	2433	2447	rVB3	51187	102152	2.99%	0.564%
11	9.930	2581	2594	2605	rBV2	89950	172422	5.05%	0.953%
12	10.091	2621	2644	2688	rVB	1839375	3413453	100.00%	18.860%
13	10.856	2872	2882	2895	rBV3	43891	79267	2.32%	0.438%
14	11.410	3038	3054	3077	rBV	1290325	2284881	66.94%	12.624%
15	12.403	3349	3363	3384	rBV	1063758	1780742	52.17%	9.839%
16	13.345	3643	3656	3672	rVB	1033480	1731048	50.71%	9.564%
17	13.451	3676	3689	3718	rBV	682055	1161446	34.03%	6.417%

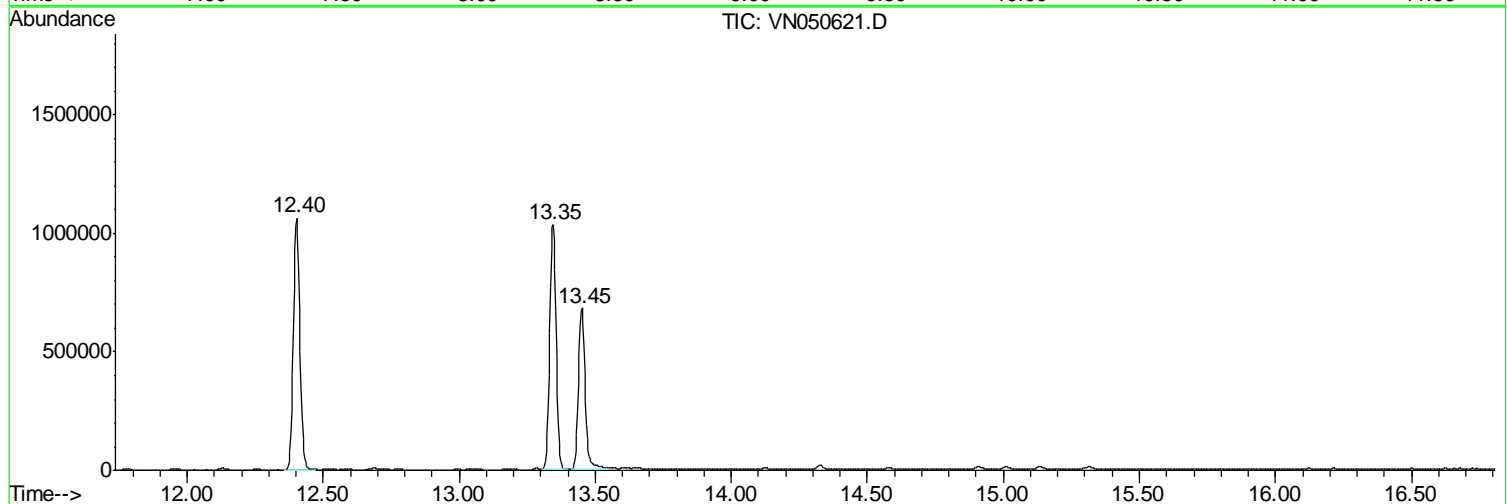
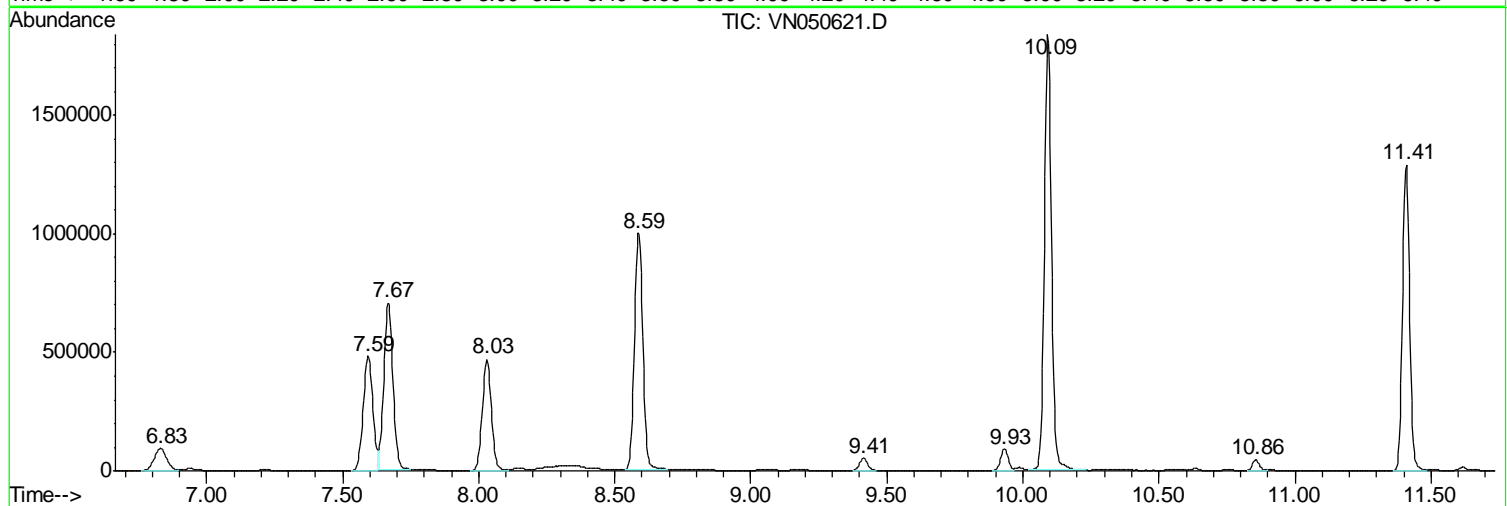
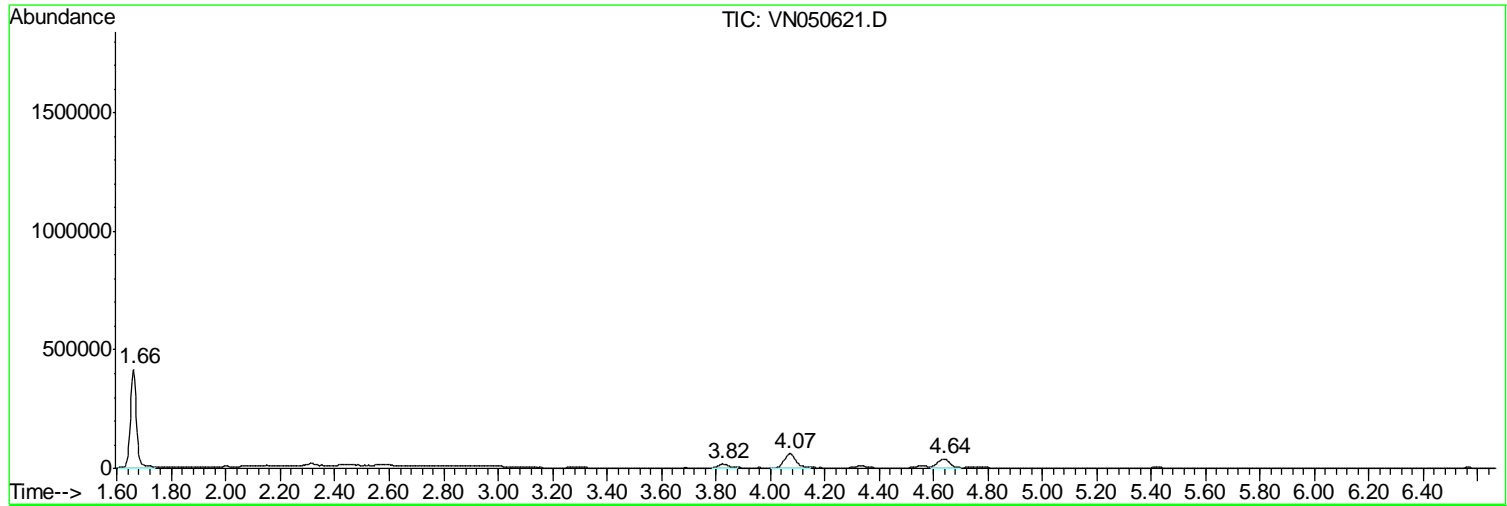
Sum of corrected areas: 18099219

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050621.D
Acq On : 14 Aug 2018 23:49
Operator : MD\SY
Sample : J4465-17
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
954-FB081318

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050621.D
 Acq On : 14 Aug 2018 23:49
 Operator : MD\SY
 Sample : J4465-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 954-FB081318

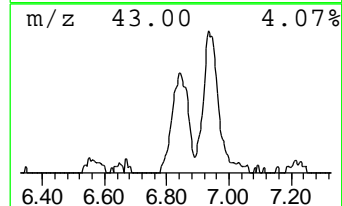
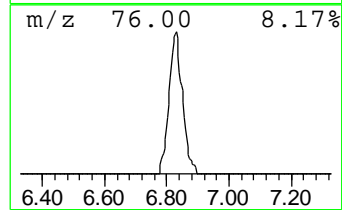
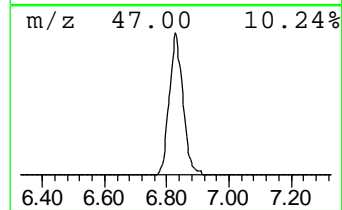
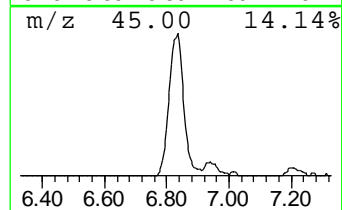
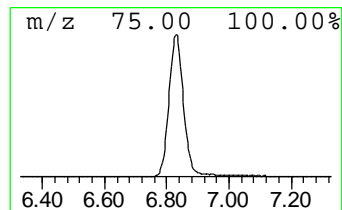
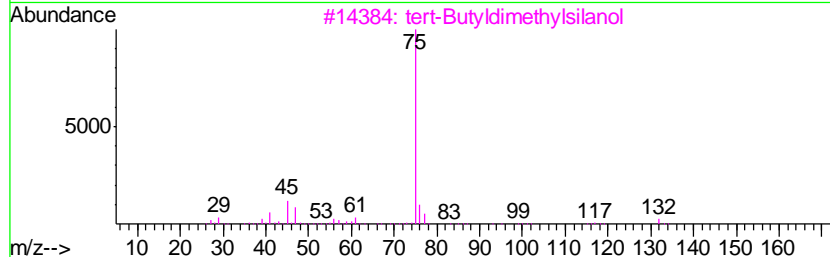
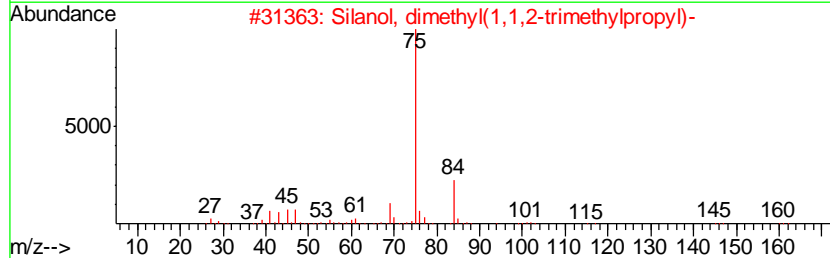
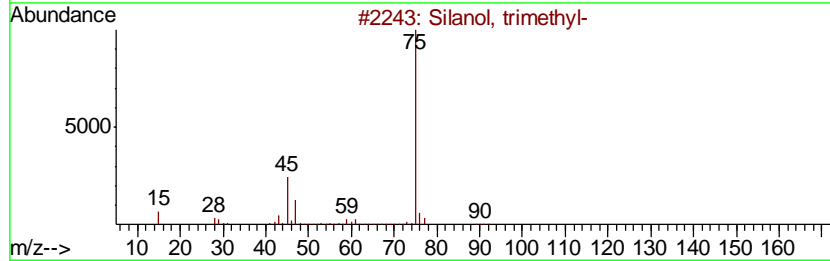
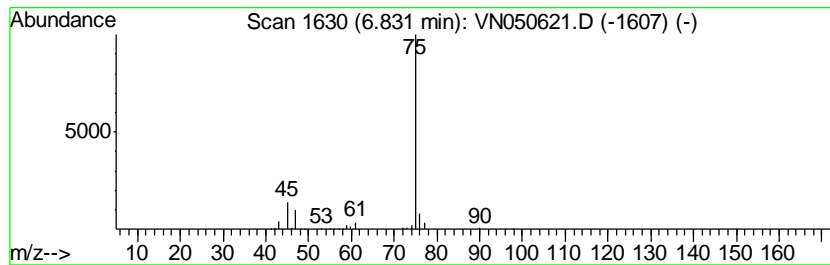
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 3 Silanol, trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	9.08 ug/l	299867	Pentafluorobenzene	7.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	86
2		Silanol, dimethyl(1,1,2-trimethylpropyl)-	160	C8H20OSi	055644-10-5	83
3		tert-Butyldimethylsilanol	132	C6H16OSi	018173-64-3	83
4		Ethanol, 2-(trimethylsilyl)-	118	C5H14OSi	002916-68-9	56
5		2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050621.D
 Acq On : 14 Aug 2018 23:49
 Operator : MD\SY
 Sample : J4465-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 954-FB081318

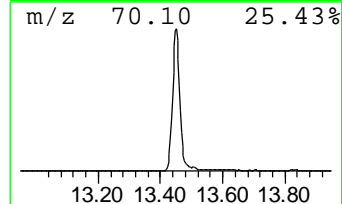
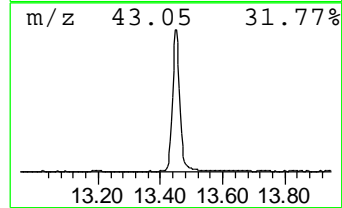
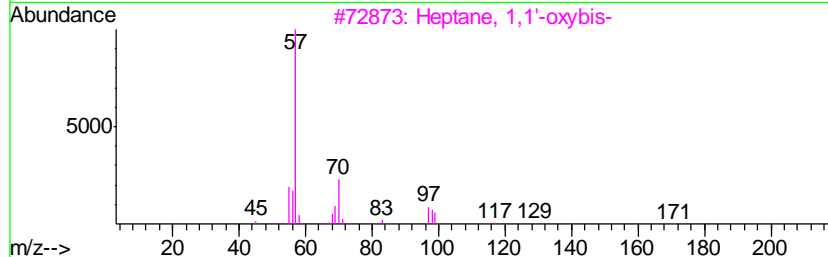
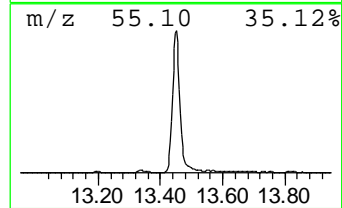
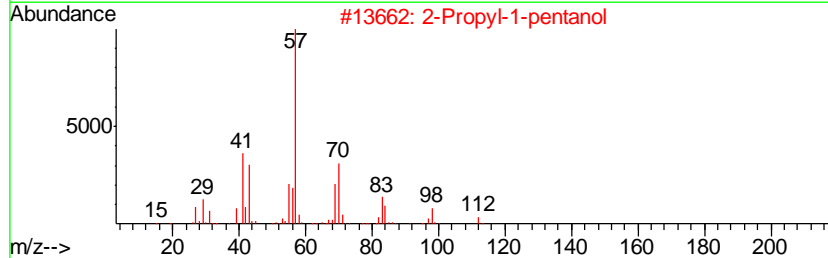
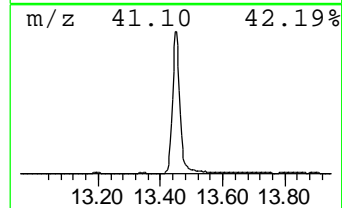
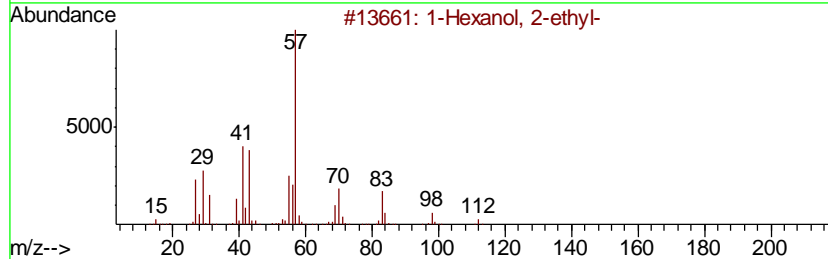
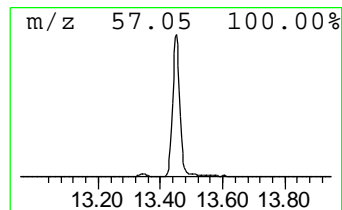
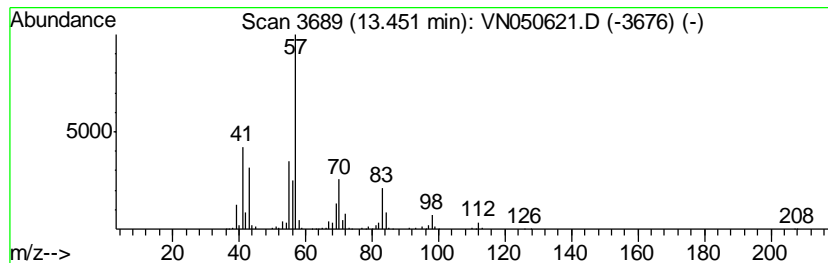
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 1-Hexanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	33.55 ug/l	1161450	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2		2-Propyl-1-pentanol	130	C8H18O	058175-57-8	53
3		Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	50
4		2-Ethyl-1-hexanol, trifluoroacetate	226	C10H17F3O2	1000365-19-6	47
5		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	40



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050621.D
 Acq On : 14 Aug 2018 23:49
 Operator : MD\SY
 Sample : J4465-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 954-FB081318

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Silanol, trimethyl-	6.83	9.1	ug/l	299867	1	7.67	1651590	50.0
1-Hexanol, 2-ethyl-	13.45	33.5	ug/l	1161450	4	13.35	1731050	50.0

CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG No.: J4465
 Instrument ID: MSVOA_N Calibration Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Calibration Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN050584.D	RRF005 = VN050585.D	RRF020 = VN050586.D	RRF050 = VN050587.D	RRF100 = VN050588.D	RRF150 = VN050589.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.654	0.563	0.565	0.544	0.537	0.520	0.564	8.4
Chloromethane	1.093	0.772	0.711	0.672	0.686	0.682	0.769	21.1
Vinyl Chloride	0.887	0.774	0.738	0.708	0.708	0.678	0.749	10
Bromomethane	0.784	0.505	0.408	0.410	0.417	0.381	0.484	31.6
Chloroethane	0.629	0.508	0.440	0.421	0.420	0.402	0.470	18.4
Trichlorofluoromethane	1.216	1.038	0.961	0.908	0.899	0.873	0.983	13.1
1,1,2-Trichlorotrifluoroethane	0.697	0.644	0.588	0.557	0.545	0.534	0.594	10.8
1,1-Dichloroethene	0.634	0.552	0.522	0.516	0.519	0.512	0.543	8.7
Acetone	0.232	0.183	0.159	0.154	0.157	0.157	0.174	17.5
Carbon Disulfide	2.003	1.739	1.644	1.604	1.644	1.609	1.707	8.9
Methyl tert-butyl Ether	1.414	1.319	1.347	1.386	1.412	1.406	1.381	2.9
Methyl Acetate	1.199	0.590	0.451	0.431	0.433	0.441	0.591	51.5
Methylene Chloride	0.955	0.746	0.620	0.605	0.597	0.586	0.685	21.1
trans-1,2-Dichloroethene	0.657	0.609	0.570	0.564	0.571	0.558	0.588	6.5
1,1-Dichloroethane	1.343	1.193	1.070	1.047	1.049	1.015	1.120	11.2
Cyclohexane	1.768	1.015	0.927	0.951	0.962	0.948	1.095	30.2
2-Butanone	0.270	0.265	0.250	0.252	0.256	0.257	0.258	3
Carbon Tetrachloride	0.636	0.605	0.561	0.556	0.559	0.547	0.577	6.1
cis-1,2-Dichloroethene	0.732	0.668	0.631	0.629	0.642	0.628	0.655	6.2
Bromochloromethane	0.551	0.522	0.517	0.494	0.499	0.473	0.510	5.3
Chloroform	1.394	1.217	1.096	1.054	1.039	1.008	1.135	12.9
1,1,1-Trichloroethane	1.084	1.038	0.919	0.906	0.902	0.881	0.955	8.8
Methylcyclohexane	0.499	0.519	0.559	0.614	0.632	0.634	0.576	10.2
Benzene	1.681	1.736	1.690	1.699	1.697	1.657	1.693	1.5
1,2-Dichloroethane	0.532	0.553	0.520	0.509	0.504	0.496	0.519	4.1
Trichloroethene	0.495	0.454	0.441	0.446	0.445	0.439	0.454	4.6
1,2-Dichloropropane	0.472	0.469	0.444	0.443	0.441	0.435	0.451	3.5
Bromodichloromethane	0.605	0.594	0.552	0.558	0.556	0.549	0.569	4.2
4-Methyl-2-Pentanone	0.342	0.380	0.396	0.404	0.403	0.402	0.388	6.2
Toluene	0.868	1.001	1.041	1.045	1.062	1.049	1.011	7.2
t-1,3-Dichloropropene	0.489	0.496	0.511	0.542	0.567	0.575	0.530	7
cis-1,3-Dichloropropene	0.529	0.588	0.604	0.634	0.652	0.641	0.608	7.5
1,1,2-Trichloroethane	0.387	0.400	0.373	0.372	0.370	0.364	0.378	3.5

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG No.: J4465
 Instrument ID: MSVOA_N Calibration Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Calibration Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN050584.D	RRF005 = VN050585.D	RRF020 = VN050586.D	RRF050 = VN050587.D	RRF100 = VN050588.D	RRF150 = VN050589.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.209	0.234	0.251	0.267	0.270	0.272	0.250	9.9
Dibromochloromethane	0.384	0.420	0.413	0.420	0.433	0.432	0.417	4.3
1,2-Dibromoethane	0.336	0.353	0.357	0.365	0.373	0.375	0.360	4.1
Tetrachloroethene	0.501	0.485	0.467	0.459	0.445	0.429	0.464	5.7
Chlorobenzene	1.268	1.275	1.226	1.228	1.248	1.221	1.244	1.9
Ethyl Benzene	1.714	1.906	2.006	2.124	2.176	2.129	2.009	8.7
m/p-Xylenes	0.637	0.709	0.791	0.827	0.832	0.814	0.768	10.2
o-Xylene	0.590	0.682	0.741	0.784	0.806	0.793	0.733	11.3
Styrene	0.859	1.046	1.222	1.288	1.335	1.314	1.177	15.9
Bromoform	0.296	0.311	0.302	0.309	0.319	0.320	0.309	3.1
Isopropylbenzene	3.839	3.894	3.973	3.950	3.987	3.796	3.907	2
1,1,2,2-Tetrachloroethane	1.534	1.167	1.006	0.932	0.903	0.868	1.068	23.6
1,3-Dichlorobenzene	1.846	1.878	1.795	1.772	1.798	1.746	1.806	2.7
1,4-Dichlorobenzene	1.944	1.867	1.738	1.726	1.759	1.719	1.792	5.1
1,2-Dichlorobenzene	1.923	1.873	1.748	1.693	1.700	1.632	1.762	6.4
1,2-Dibromo-3-Chloropropane	0.156	0.155	0.131	0.133	0.132	0.130	0.139	8.8
1,2,4-Trichlorobenzene	0.528	0.604	0.739	0.852	0.941	0.940	0.767	22.7
1,2,3-Trichlorobenzene	0.578	0.610	0.728	0.816	0.871	0.867	0.745	17.2
1,2-Dichloroethane-d4		0.710	0.621	0.620	0.609	0.592	0.630	7.3
Dibromofluoromethane		0.427	0.387	0.403	0.394	0.385	0.399	4.3
Toluene-d8		1.493	1.442	1.525	1.533	1.519	1.502	2.5
4-Bromofluorobenzene		0.446	0.456	0.509	0.530	0.541	0.496	8.7

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 82N081418W.M
 Title : SW846 8260
 Last Update : Tue Aug 14 08:07:08 2018
 Response Via : Initial Calibration

Calibration Files

1 =VN050584.D 5 =VN050585.D 20 =VN050586.D
 50 =VN050587.D 100 =VN050588.D 150 =VN050589.D

Compound	1	5	20	50	100	150	Avg	%RSD
-----ISTD-----								
1) I Pentafluorobenzene								
2) T Dichlorodifluorom	0.654	0.563	0.565	0.544	0.537	0.520	0.564	8.38
3) P Chloromethane	1.093	0.772	0.711	0.672	0.686	0.682	0.769	21.14
4) C Vinyl Chloride	0.887	0.774	0.738	0.708	0.708	0.678	0.749	10.01#
5) T Bromomethane	0.784	0.505	0.408	0.410	0.417	0.381	0.484	31.61
6) T Chloroethane	0.629	0.508	0.440	0.421	0.420	0.402	0.470	18.37
7) T Trichlorofluorome	1.216	1.038	0.961	0.908	0.899	0.873	0.983	13.07
8) T Diethyl Ether	0.373	0.321	0.317	0.315	0.318	0.318	0.327	6.88
9) T 1,1,2-Trichlorotr	0.697	0.644	0.588	0.557	0.545	0.534	0.594	10.80
10) T Methyl Iodide		0.310	0.321	0.366	0.440	0.481	0.384	19.43
11) T Tert butyl alcoho		0.034	0.034	0.033	0.035	0.036	0.034	2.45
12) CM 1,1-Dichloroethen	0.634	0.552	0.522	0.516	0.519	0.512	0.543	8.65#
13) T Acrolein		0.020	0.012	0.012	0.013	0.013	0.014	24.62
14) T Allyl chloride	0.948	0.848	0.789	0.810	0.836	0.831	0.844	6.52
15) T Acrylonitrile	0.197	0.189	0.185	0.186	0.187	0.189	0.189	2.22
16) T Acetone	0.232	0.183	0.159	0.154	0.157	0.157	0.174	17.53
17) T Carbon Disulfide	2.003	1.739	1.644	1.604	1.644	1.609	1.707	8.93
18) T Methyl Acetate	1.199	0.590	0.451	0.431	0.433	0.441	0.591	51.46
19) T Methyl tert-butyl	1.414	1.319	1.347	1.386	1.412	1.406	1.381	2.85
20) T Methylene Chlorid	0.955	0.746	0.620	0.605	0.597	0.586	0.685	21.15
21) T trans-1,2-Dichlor	0.657	0.609	0.570	0.564	0.571	0.558	0.588	6.49
22) T Diisopropyl ether	1.617	1.721	1.768	1.776	1.776	1.723	1.730	3.52
23) T Vinyl Acetate	1.051	1.067	1.120	1.175	1.195	1.183	1.132	5.49
24) P 1,1-Dichloroethan	1.343	1.193	1.070	1.047	1.049	1.015	1.120	11.23
25) T 2-Butanone	0.270	0.265	0.250	0.252	0.256	0.257	0.258	3.02
26) T 2,2-Dichloropropa	0.964	0.777	0.712	0.686	0.688	0.670	0.749	14.89
27) T cis-1,2-Dichloroe	0.732	0.668	0.631	0.629	0.642	0.628	0.655	6.19
28) T Bromochloromethan	0.551	0.522	0.517	0.494	0.499	0.473	0.510	5.28
29) T Tetrahydrofuran	0.134	0.134	0.132	0.136	0.136	0.136	0.135	1.22
30) C Chloroform	1.394	1.217	1.096	1.054	1.039	1.008	1.135	12.93#
31) T Cyclohexane	1.768	1.015	0.927	0.951	0.962	0.948	1.095	30.22
32) T 1,1,1-Trichloroet	1.084	1.038	0.919	0.906	0.902	0.881	0.955	8.82
33) S 1,2-Dichloroethan		0.710	0.621	0.620	0.609	0.592	0.630	7.29
-----ISTD-----								
34) I 1,4-Difluorobenzene								
35) S Dibromofluorometh		0.427	0.387	0.403	0.394	0.385	0.399	4.30
36) T 1,1-Dichloroprope	0.553	0.540	0.549	0.564	0.571	0.562	0.557	1.98
37) T Ethyl Acetate	0.272	0.320	0.320	0.324	0.326	0.325	0.315	6.67
38) T Carbon Tetrachlor	0.636	0.605	0.561	0.556	0.559	0.547	0.577	6.06
39) T Methylcyclohexane	0.499	0.519	0.559	0.614	0.632	0.634	0.576	10.20
40) TM Benzene	1.681	1.736	1.690	1.699	1.697	1.657	1.693	1.52
41) T Methacrylonitrile	0.138	0.159	0.168	0.181	0.187	0.188	0.170	11.27
42) TM 1,2-Dichloroethan	0.532	0.553	0.520	0.509	0.504	0.496	0.519	4.07
43) T Isopropyl Acetate	0.516	0.617	0.576	0.573	0.579	0.579	0.573	5.62
44) TM Trichloroethene	0.495	0.454	0.441	0.446	0.445	0.439	0.454	4.64
45) C 1,2-Dichloropropa	0.472	0.469	0.444	0.443	0.441	0.435	0.451	3.53#
46) T Dibromomethane	0.298	0.277	0.261	0.255	0.256	0.251	0.266	6.73
47) T Bromodichlorometh	0.605	0.594	0.552	0.558	0.556	0.549	0.569	4.23
48) T Methyl methacryla	0.293	0.265	0.278	0.289	0.296	0.311	0.289	5.48
49) T 1,4-Dioxane	0.004	0.003	0.004	0.004	0.004	0.004	0.004	5.73
50) S Toluene-d8		1.493	1.442	1.525	1.533	1.519	1.502	2.46
51) T 4-Methyl-2-Pentan	0.342	0.380	0.396	0.404	0.403	0.402	0.388	6.21
52) CM Toluene	0.868	1.001	1.041	1.045	1.062	1.049	1.011	7.22#

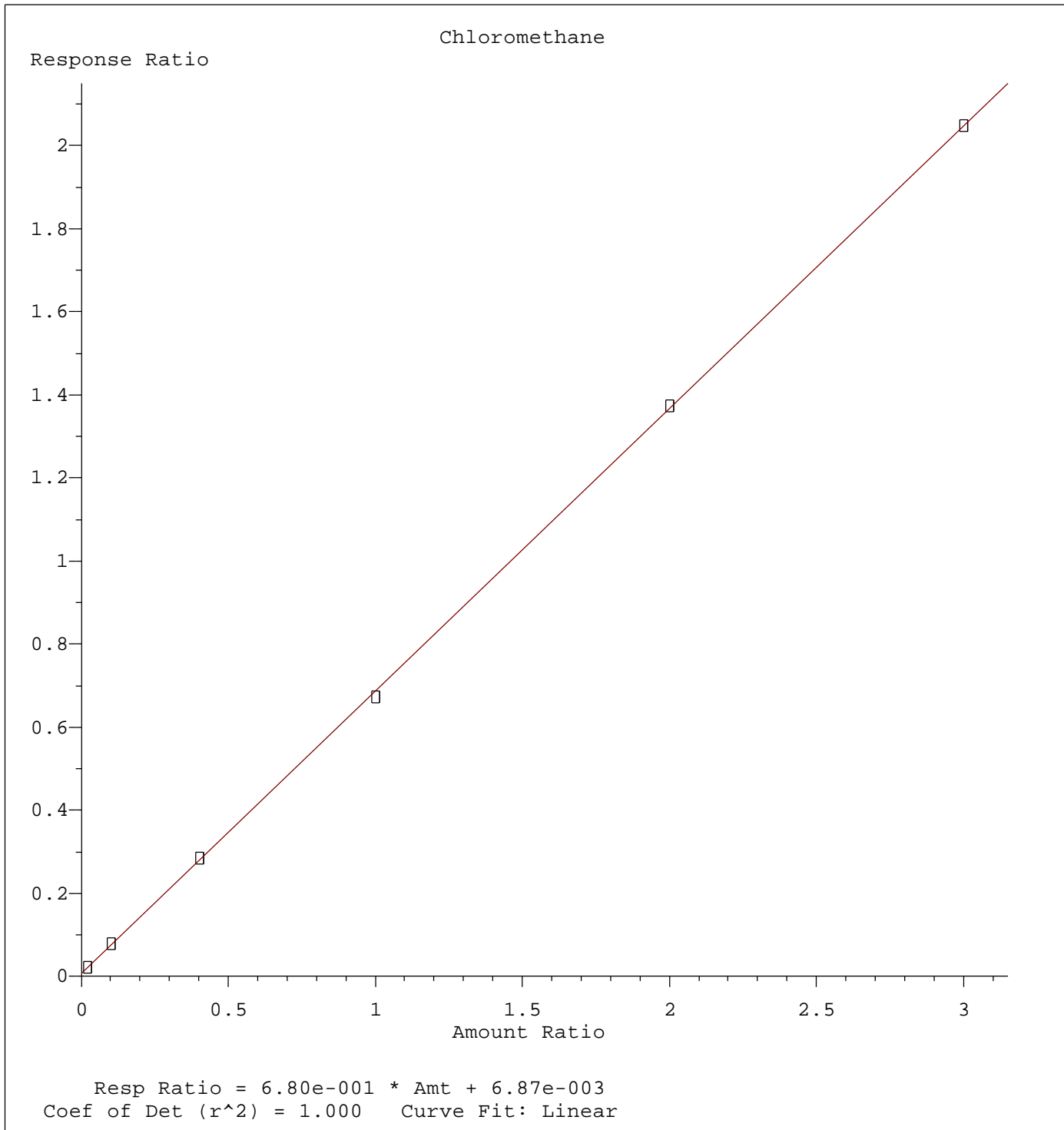
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 Method File : 82N081418W.M
 Title : SW846 8260
 Last Update : Tue Aug 14 08:07:08 2018
 Response Via : Initial Calibration

Calibration Files

1 =VN050584.D 5 =VN050585.D 20 =VN050586.D
 50 =VN050587.D 100 =VN050588.D 150 =VN050589.D

	Compound	1	5	20	50	100	150	Avg	%RSD
53) T	t-1,3-Dichloropro	0.489	0.496	0.511	0.542	0.567	0.575	0.530	6.95
54) T	cis-1,3-Dichlorop	0.529	0.588	0.604	0.634	0.652	0.641	0.608	7.48
55) T	1,1,2-Trichloroet	0.387	0.400	0.373	0.372	0.370	0.364	0.378	3.53
56) T	Ethyl methacrylat	0.300	0.382	0.425	0.464	0.491	0.497	0.427	17.70
57) T	1,3-Dichloropropa	0.586	0.634	0.622	0.622	0.629	0.621	0.619	2.72
58) T	2-Chloroethyl Vin	0.136	0.166	0.203	0.224	0.233	0.239	0.200	20.58
59) T	2-Hexanone	0.209	0.234	0.251	0.267	0.270	0.272	0.250	9.94
60) T	Dibromochlorometh	0.384	0.420	0.413	0.420	0.433	0.432	0.417	4.32
61) T	1,2-Dibromoethane	0.336	0.353	0.357	0.365	0.373	0.375	0.360	4.07
62) S	4-Bromofluorobenz		0.446	0.456	0.509	0.530	0.541	0.496	8.74
63) I	Chlorobenzene-d5	-----ISTD-----							
64) T	Tetrachloroethene	0.501	0.485	0.467	0.459	0.445	0.429	0.464	5.68
65) PM	Chlorobenzene	1.268	1.275	1.226	1.228	1.248	1.221	1.244	1.86
66) T	1,1,1,2-Tetrachlo	0.493	0.498	0.454	0.456	0.455	0.442	0.466	4.89
67) C	Ethyl Benzene	1.714	1.906	2.006	2.124	2.176	2.129	2.009	8.72#
68) T	m/p-Xylenes	0.637	0.709	0.791	0.827	0.832	0.814	0.768	10.21
69) T	o-Xylene	0.590	0.682	0.741	0.784	0.806	0.793	0.733	11.33
70) T	Styrene	0.859	1.046	1.222	1.288	1.335	1.314	1.177	15.95
71) P	Bromoform	0.296	0.311	0.302	0.309	0.319	0.320	0.309	3.08
72) I	1,4-Dichlorobenzene-d	-----ISTD-----							
73) T	Isopropylbenzene	3.839	3.894	3.973	3.950	3.987	3.796	3.907	1.98
74) T	N-amyl acetate	1.043	0.967	1.011	1.017	1.043	1.018	1.016	2.74
75) P	1,1,2,2-Tetrachlo	1.534	1.167	1.006	0.932	0.903	0.868	1.068	23.55
76) T	1,2,3-Trichloropr	1.116	1.001	0.899	0.768	0.813	0.794	0.899	15.19
77) T	Bromobenzene	1.189	1.128	1.034	1.014	1.015	0.983	1.061	7.53
78) T	n-propylbenzene	4.007	4.170	4.504	4.529	4.556	4.370	4.356	5.12
79) T	2-Chlorotoluene	2.749	2.822	2.749	2.702	2.691	2.582	2.716	2.96
80) T	1,3,5-Trimethylbe	2.721	3.075	3.313	3.267	3.259	3.131	3.128	6.99
81) T	trans-1,4-Dichlor	0.236	0.218	0.214	0.220	0.231	0.231	0.225	3.88
82) T	4-Chlorotoluene	2.400	2.731	2.801	2.747	2.757	2.667	2.684	5.44
83) T	tert-Butylbenzene	2.621	2.672	2.727	2.724	2.832	2.714	2.715	2.59
84) T	1,2,4-Trimethylbe	2.554	3.027	3.372	3.333	3.345	3.205	3.139	10.01
85) T	sec-Butylbenzene	3.078	3.581	3.673	3.676	3.710	3.570	3.548	6.67
86) T	p-Isopropyltoluen	2.347	2.860	3.141	3.217	3.282	3.191	3.006	11.79
87) T	1,3-Dichlorobenze	1.846	1.878	1.795	1.772	1.798	1.746	1.806	2.68
88) T	1,4-Dichlorobenze	1.944	1.867	1.738	1.726	1.759	1.719	1.792	5.13
89) T	n-Butylbenzene	2.040	2.206	2.371	2.554	2.709	2.685	2.428	11.11
90) T	Hexachloroethane	0.742	0.649	0.563	0.548	0.567	0.558	0.605	12.69
91) T	1,2-Dichlorobenze	1.923	1.873	1.748	1.693	1.700	1.632	1.762	6.42
92) T	1,2-Dibromo-3-Chl	0.156	0.155	0.131	0.133	0.132	0.130	0.139	8.78
93) T	1,2,4-Trichlorobe	0.528	0.604	0.739	0.852	0.941	0.940	0.767	22.71
94) T	Hexachlorobutadie	0.660	0.594	0.517	0.496	0.498	0.477	0.540	13.26
95) T	Naphthalene	0.919	1.005	1.440	1.764	2.007	2.050	1.531	32.14
96) T	1,2,3-Trichlorobe	0.578	0.610	0.728	0.816	0.871	0.867	0.745	17.22

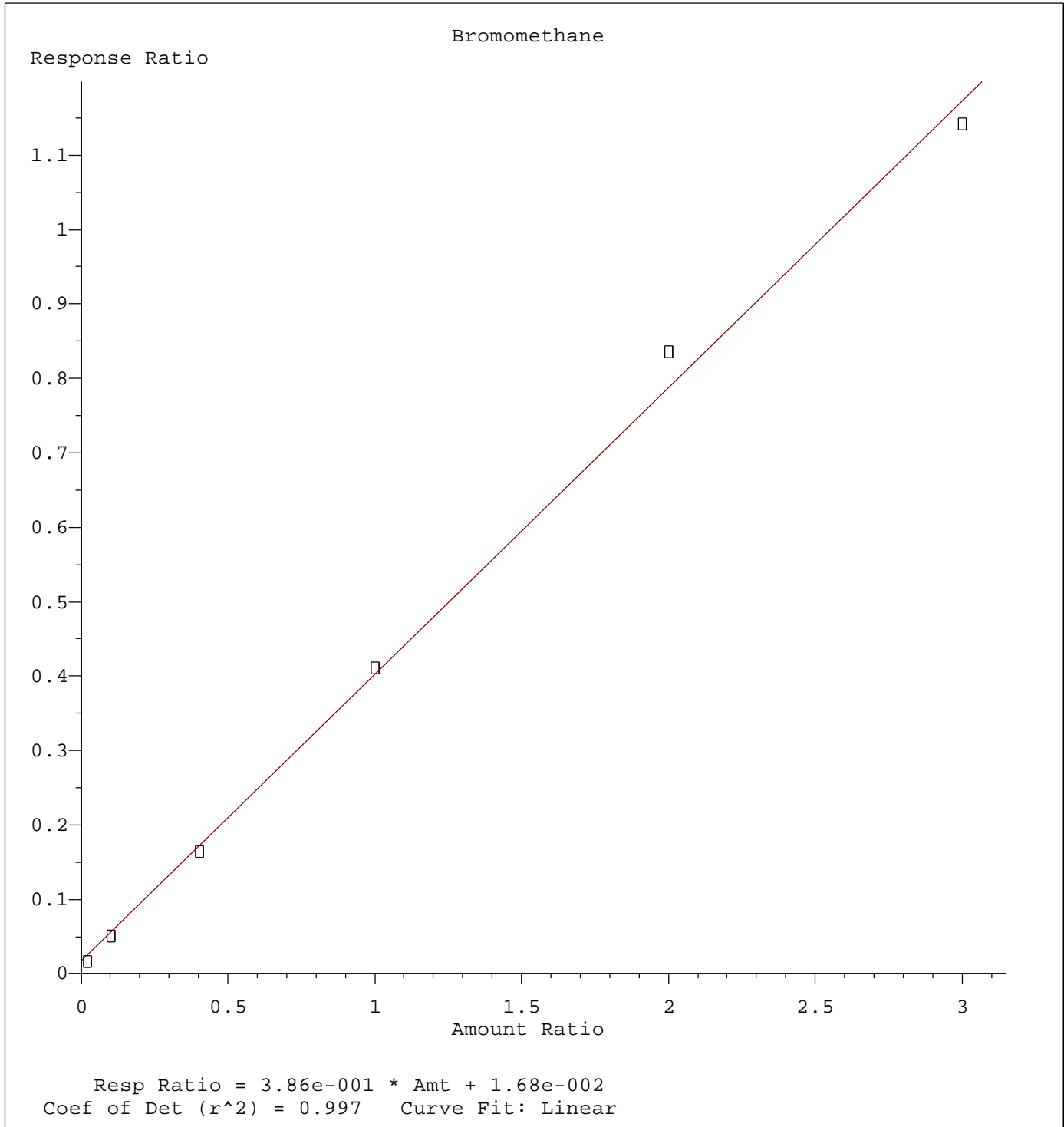
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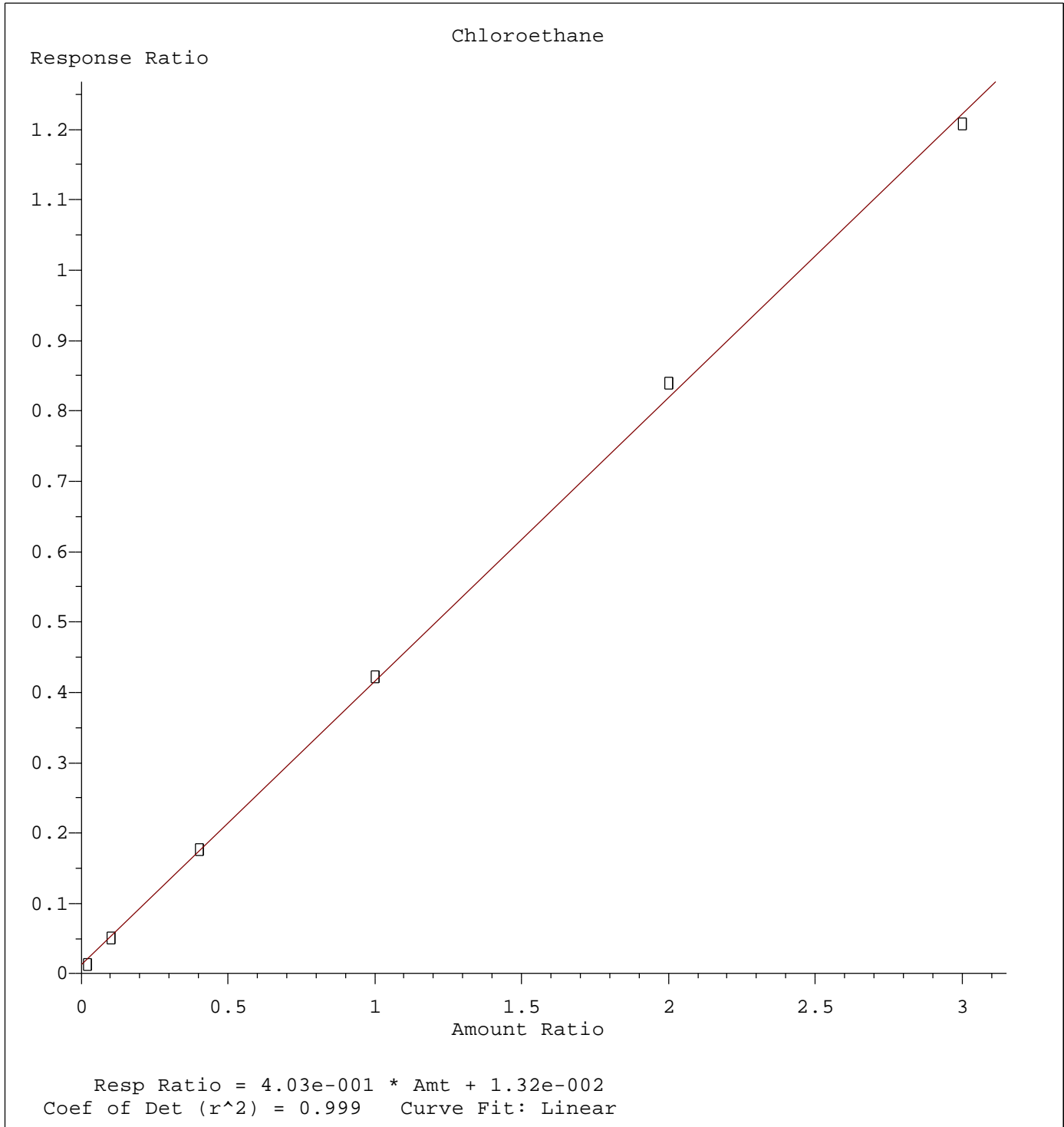
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Calibration Table Last Updated: Tue Aug 14 08:07:08 2018

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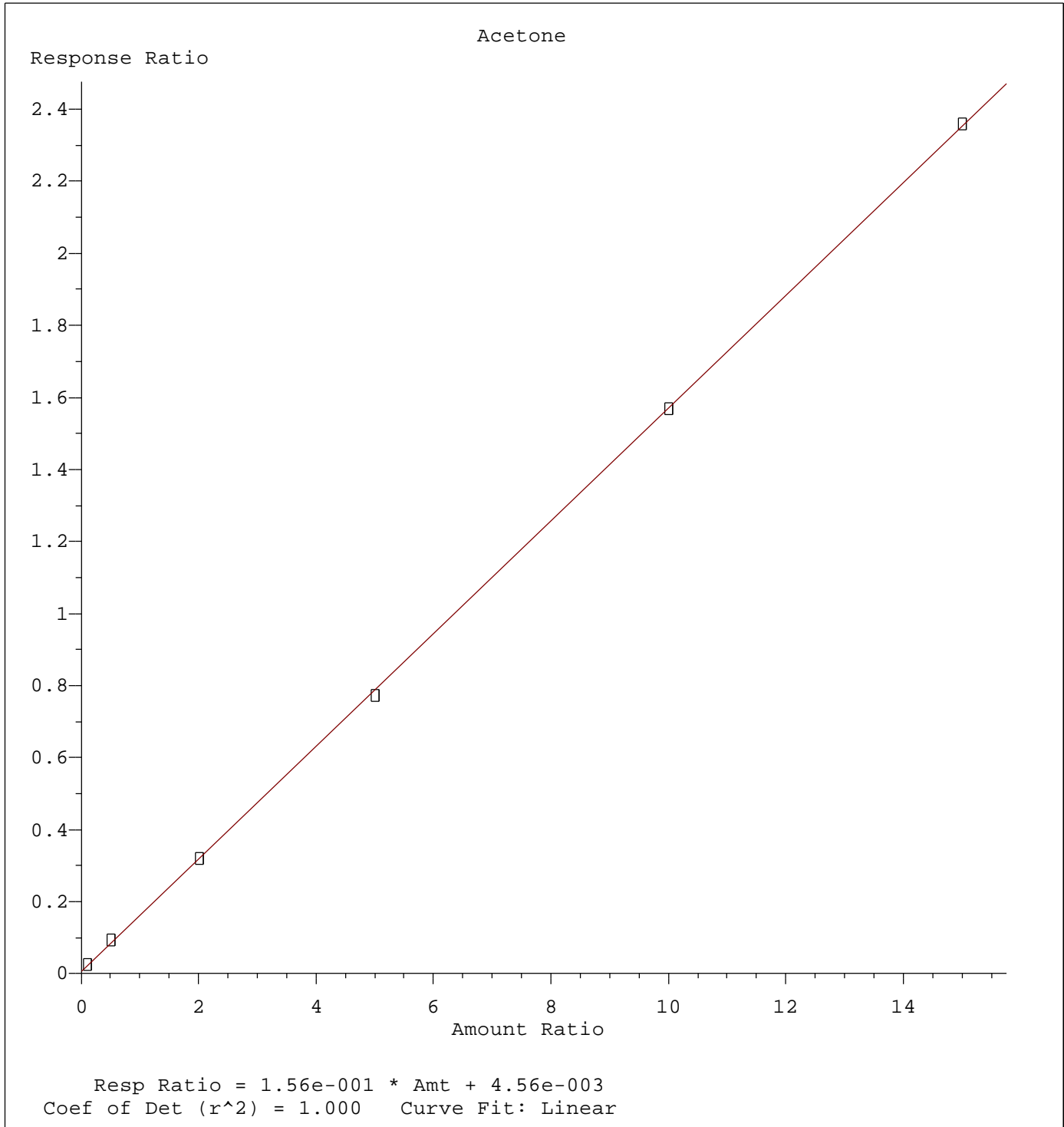


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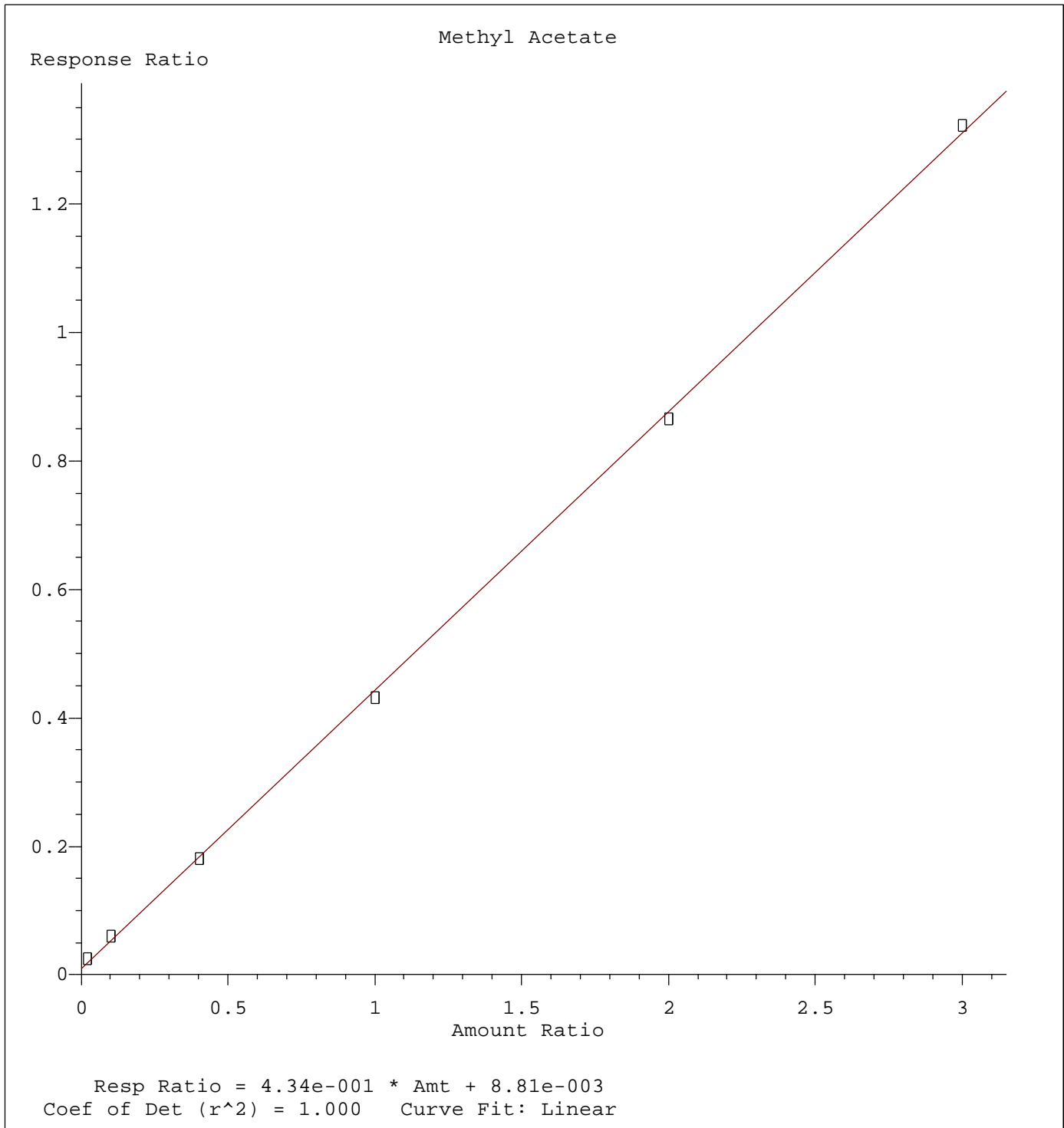
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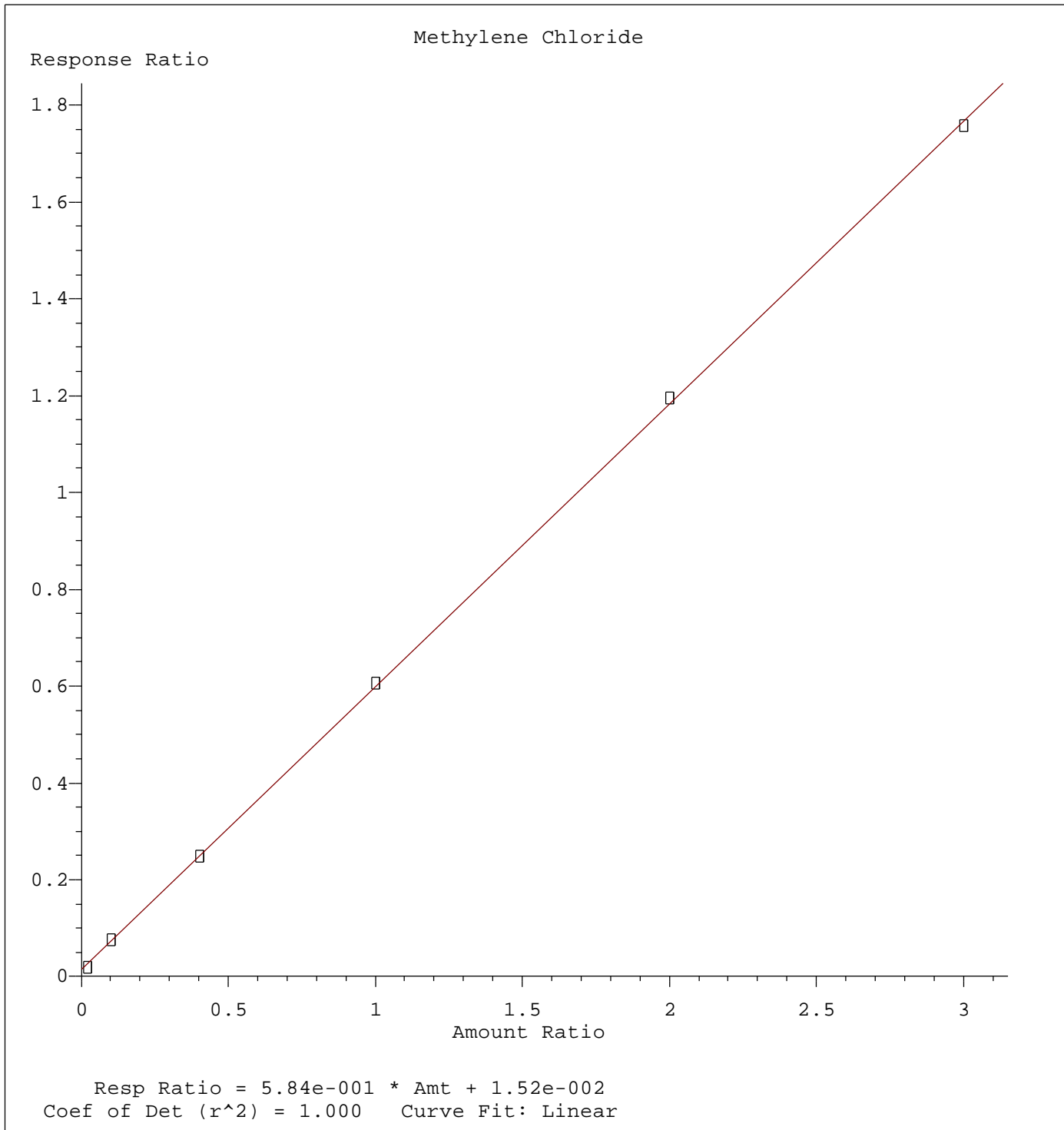
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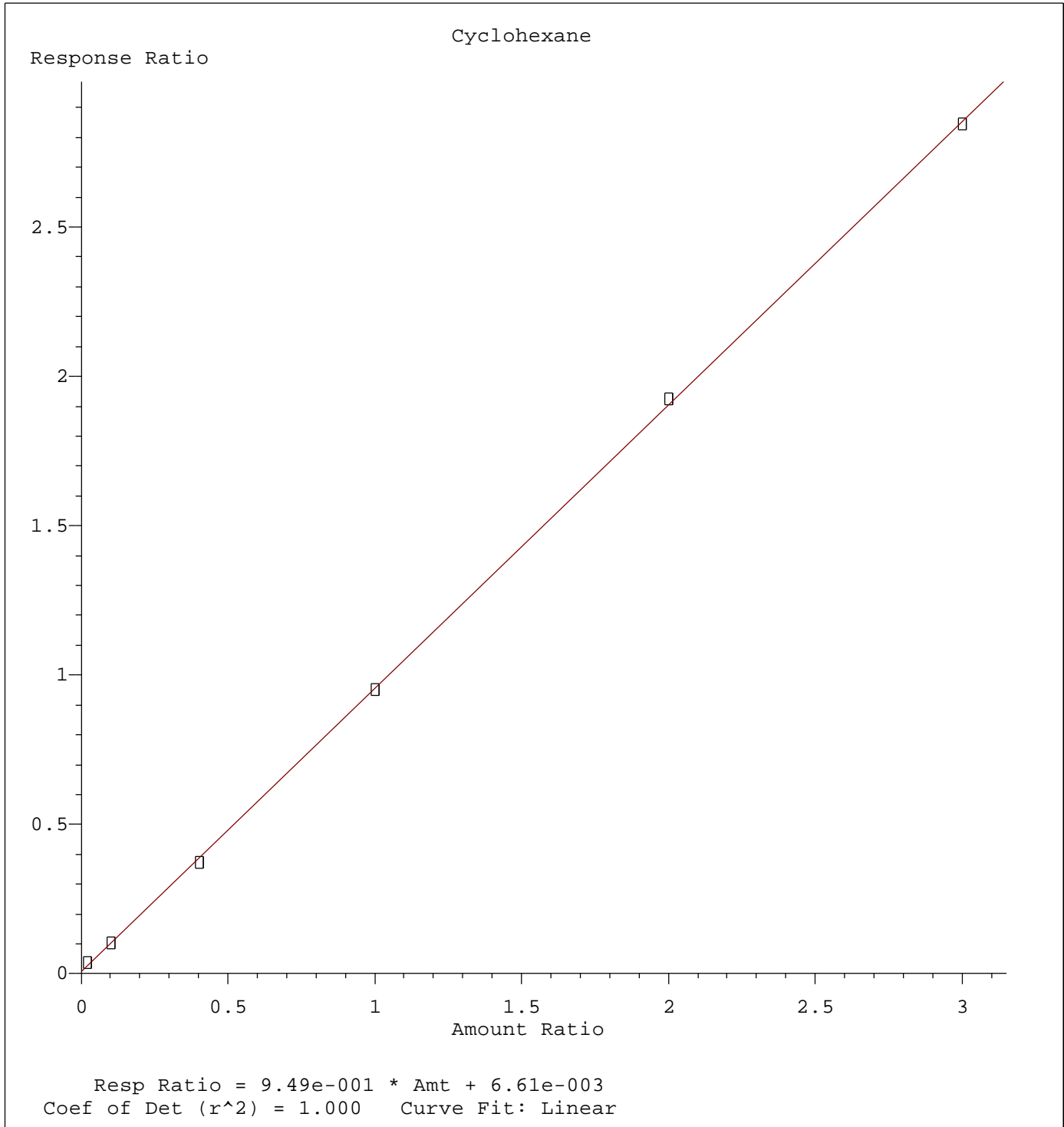
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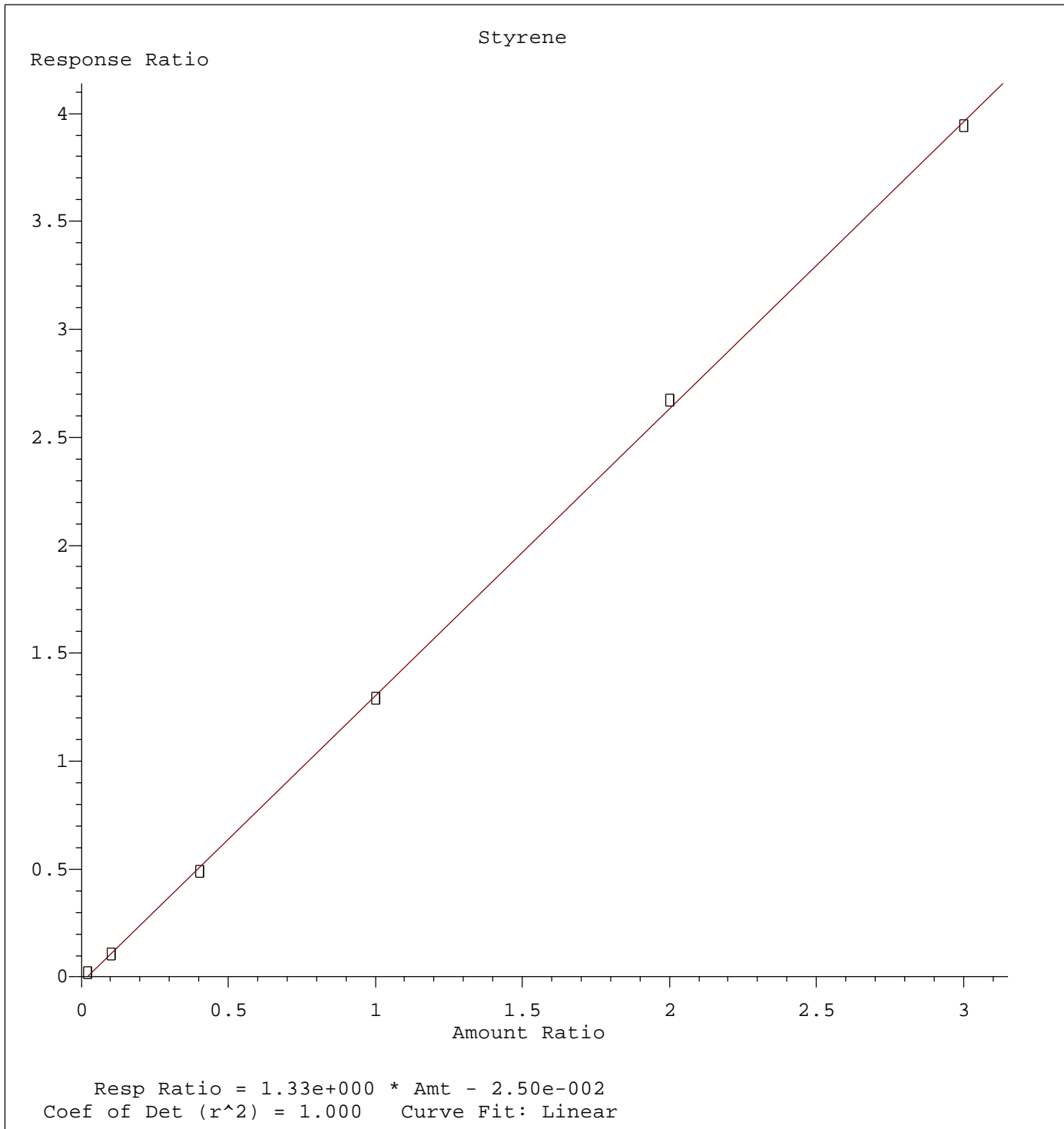
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Calibration Table Last Updated: Tue Aug 14 08:07:08 2018



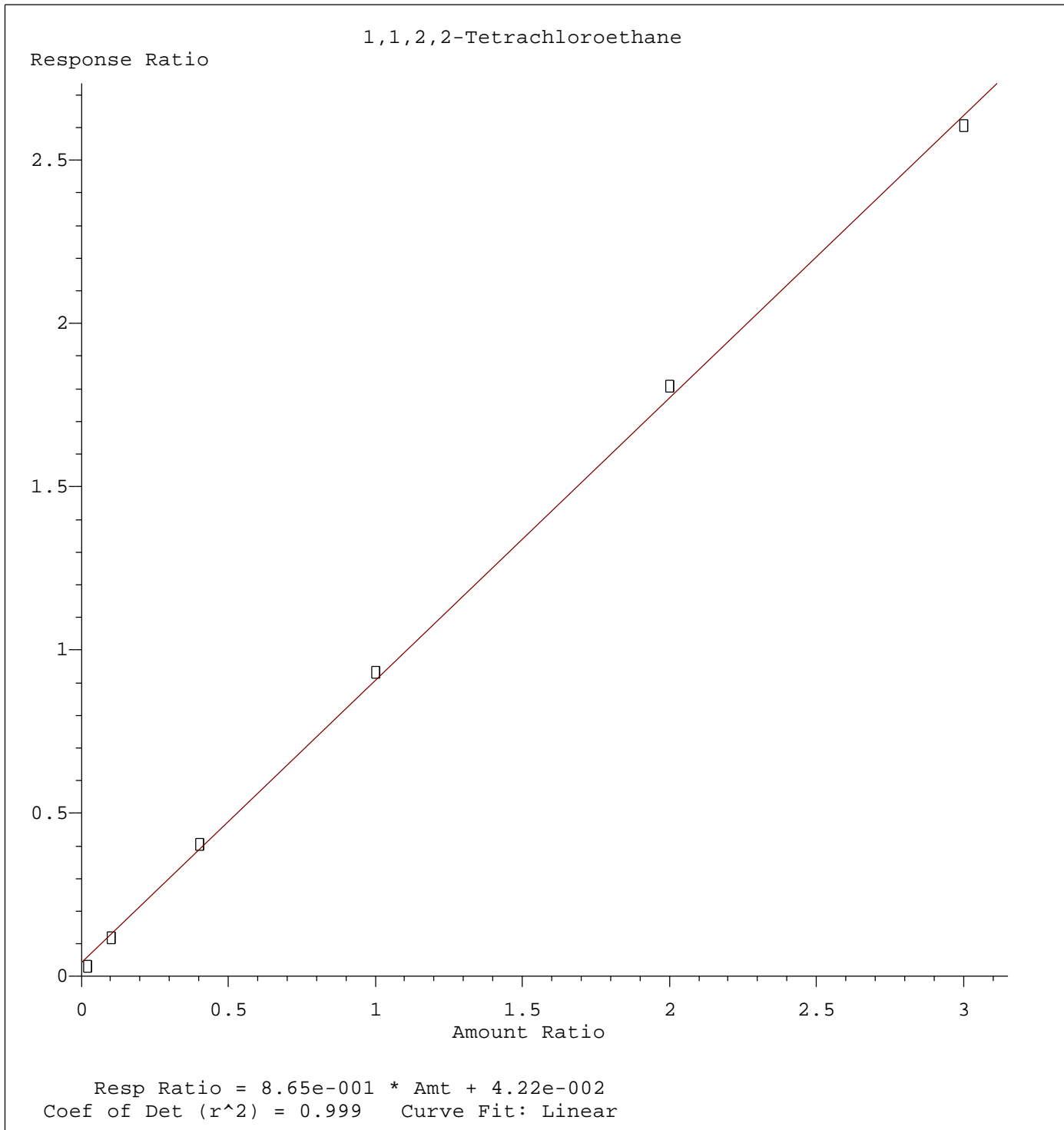
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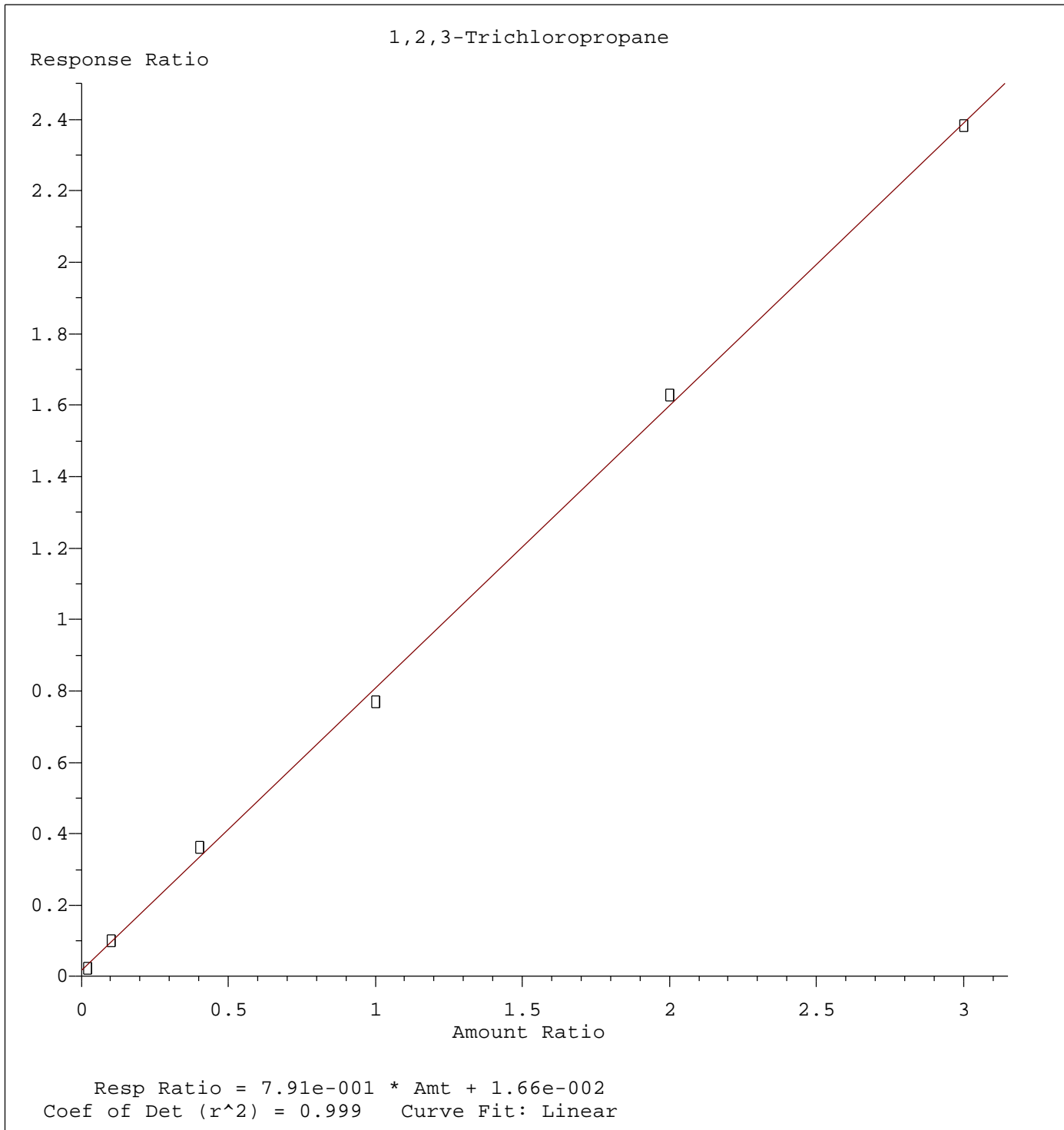
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Calibration Table Last Updated: Tue Aug 14 08:07:08 2018



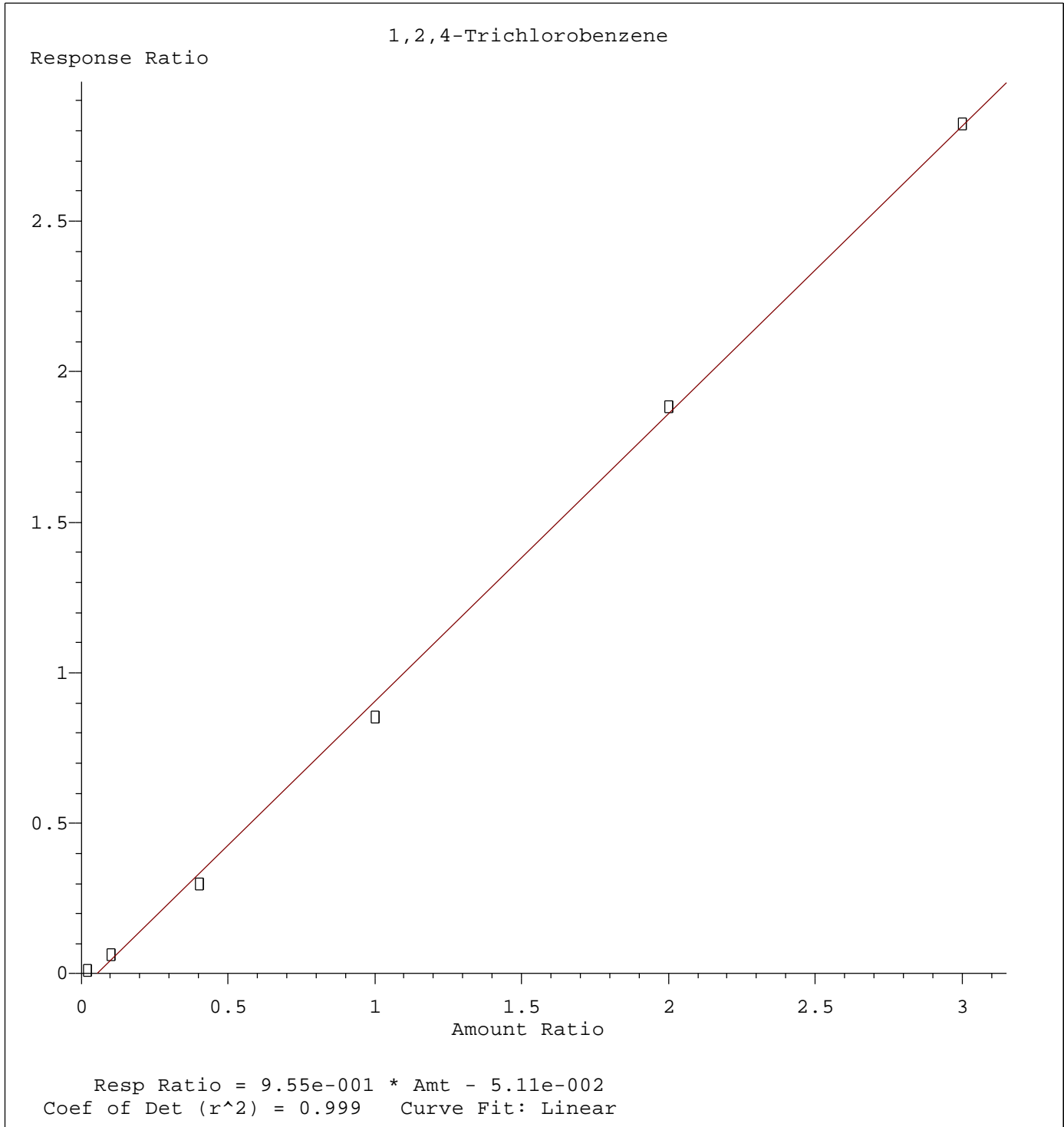
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Calibration Table Last Updated: Tue Aug 14 08:07:08 2018



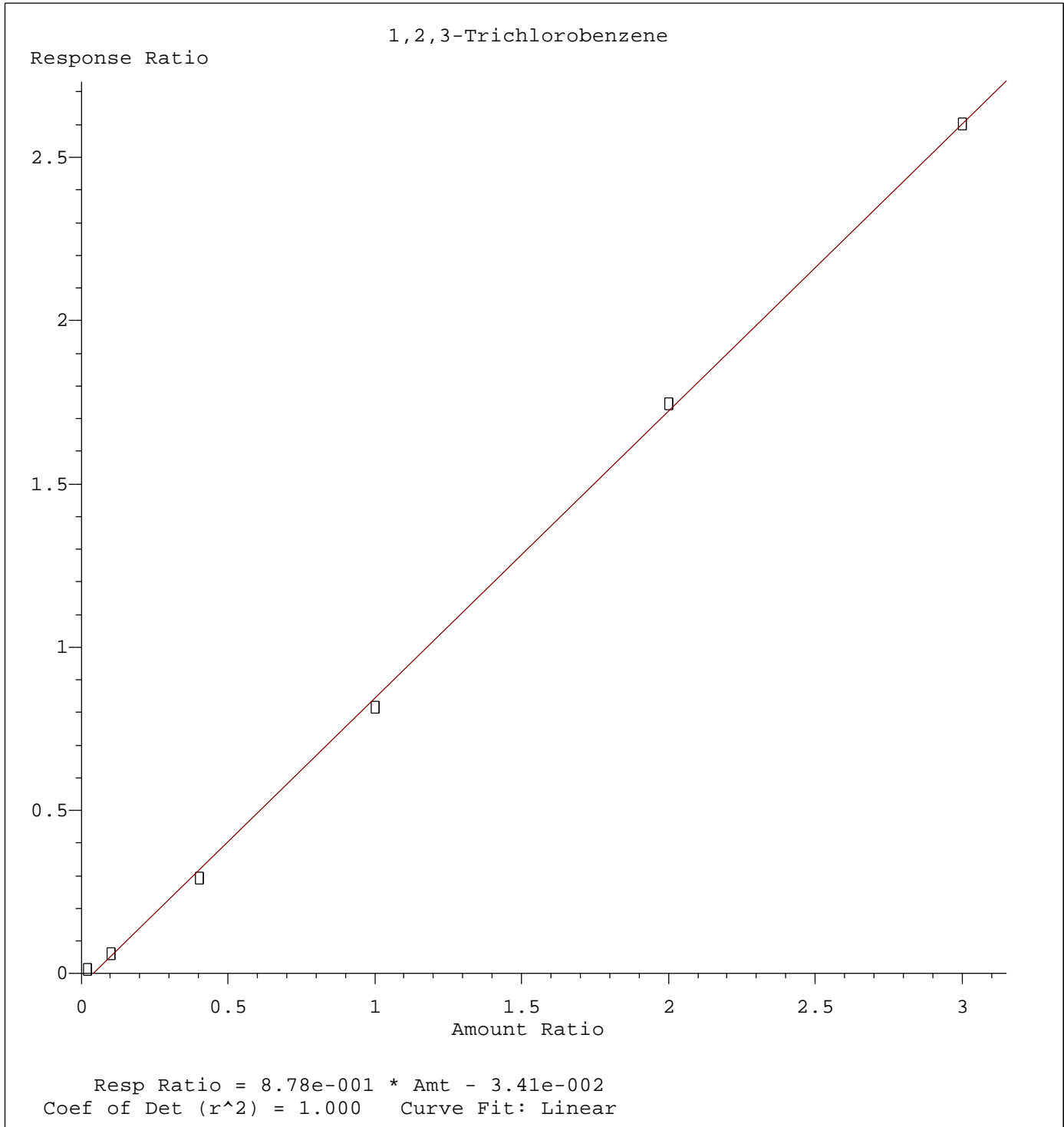
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Calibration Table Last Updated: Tue Aug 14 08:07:08 2018



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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Calibration Table Last Updated: Tue Aug 14 08:07:08 2018



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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Calibration Table Last Updated: Tue Aug 14 08:07:08 2018

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050584.D
 Acq On : 13 Aug 2018 23:46
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:20:52 PM

Quant Time: Aug 14 07:38:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	509190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	836986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	700821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	6657	1.18	ug/l	98
3) Chloromethane	2.06	50	11131	1.47	ug/l	96
4) Vinyl Chloride	2.18	62	9030	1.23	ug/l	94
5) Bromomethane	2.57	94	7988	1.78	ug/l	99
6) Chloroethane	2.70	64	6407	1.42	ug/l	99
7) Trichlorofluoromethane	3.01	101	12381	1.31	ug/l	98
8) Diethyl Ether	3.41	74	3794	1.10	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	7096	1.21	ug/l	98
12) 1,1-Dichloroethene	3.73	96	6454	1.17	ug/l	90
14) Allyl chloride	4.33	41	9652	1.10	ug/l	92
15) Acrylonitrile	5.00	53	10030	4.50	ug/l #	76
16) Acetone	3.83	43	11805	5.55	ug/l	100
17) Carbon Disulfide	4.05	76	20394	1.14	ug/l	97
18) Methyl Acetate	4.34	43	12207	2.01	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	14400	0.94	ug/l	93
20) Methylene Chloride	4.56	84	9724	1.28	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	6690	1.12	ug/l	91
22) Diisopropyl ether	5.96	45	16469	0.92	ug/l #	81
23) Vinyl Acetate	5.90	43	53512	4.24	ug/l	99
24) 1,1-Dichloroethane	5.85	63	13679	1.24	ug/l	95
25) 2-Butanone	6.85	43	13764	4.25	ug/l	94
26) 2,2-Dichloropropane	6.83	77	9815	1.11	ug/l #	67
27) cis-1,2-Dichloroethene	6.83	96	7451	1.13	ug/l	97
28) Bromochloromethane	7.20	49	5613	1.10	ug/l #	97
29) Tetrahydrofuran	7.22	42	6847	3.94	ug/l	94
30) Chloroform	7.37	83	14201	1.28	ug/l	99
31) Cyclohexane	7.66	56	18007	1.63	ug/l #	33
32) 1,1,1-Trichloroethane	7.57	97	11035	1.16	ug/l #	49
36) 1,1-Dichloropropene	7.80	75	9256	1.01	ug/l #	90
37) Ethyl Acetate	6.95	43	4555	0.72	ug/l #	71
38) Carbon Tetrachloride	7.78	117	10647	1.11	ug/l	94
39) Methylcyclohexane	9.08	83	8361	0.83	ug/l	93
40) Benzene	8.04	78	28133	1.00	ug/l	94
41) Methacrylonitrile	7.19	41	2315m	0.67	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050584.D
 Acq On : 13 Aug 2018 23:46
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:20:52 PM

Quant Time: Aug 14 07:38:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.13	62	8910	1.00	ug/l	96
43) Isopropyl Acetate	8.17	43	8645	0.78	ug/l	96
44) Trichloroethene	8.84	130	8290	1.09	ug/l	98
45) 1,2-Dichloropropane	9.12	63	7909	1.06	ug/l	99
46) Dibromomethane	9.21	93	4982	1.10	ug/l	92
47) Bromodichloromethane	9.40	83	10131	1.07	ug/l	91
48) Methyl methacrylate	9.20	41	4900	0.88	ug/l	89
49) 1,4-Dioxane	9.21	88	1275	15.15	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	28648	3.62	ug/l	94
52) Toluene	10.16	92	14533	0.86	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	8185	0.87	ug/l	94
54) cis-1,3-Dichloropropene	9.84	75	8856	0.84	ug/l	97
55) 1,1,2-Trichloroethane	10.57	97	6478	0.99	ug/l	95
56) Ethyl methacrylate	10.43	69	5025	0.62	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	9816	0.91	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	11413	2.99	ug/l	97
59) 2-Hexanone	10.75	43	17482	3.18	ug/l	86
60) Dibromochloromethane	10.90	129	6424	0.89	ug/l	95
61) 1,2-Dibromoethane	11.01	107	5617	0.87	ug/l	99
64) Tetrachloroethene	10.63	164	7028	1.07	ug/l	98
65) Chlorobenzene	11.44	112	17775	1.01	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	6904	1.08	ug/l #	64
67) Ethyl Benzene	11.51	91	24023	0.85	ug/l	98
68) m/p-Xylenes	11.62	106	17865	1.65	ug/l	97
69) o-Xylene	11.95	106	8274	0.79	ug/l	95
70) Styrene	11.97	104	12039	0.71	ug/l	95
71) Bromoform	12.13	173	4144	0.90	ug/l #	98
73) Isopropylbenzene	12.25	105	20276	1.02	ug/l	95
74) N-amyl acetate	12.07	43	5507	0.88	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	8102	1.44	ug/l	92
76) 1,2,3-Trichloropropane	12.56	75	5896m	1.24	ug/l	
77) Bromobenzene	12.53	156	6279	1.18	ug/l	93
78) n-propylbenzene	12.59	91	21167	0.94	ug/l	97
79) 2-Chlorotoluene	12.68	91	14521	1.04	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	14373	0.89	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.31	75	1245	0.94	ug/l #	85
82) 4-Chlorotoluene	12.77	91	12676	0.91	ug/l	98
83) tert-Butylbenzene	12.99	119	13842	0.98	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	13490	0.82	ug/l	98
85) sec-Butylbenzene	13.17	105	16260	0.87	ug/l	98
86) p-Isopropyltoluene	13.29	119	12399	0.77	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	9749	1.03	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	10266m	1.09	ug/l	
89) n-Butylbenzene	13.62	91	10778	0.79	ug/l	90
90) Hexachloroethane	13.88	117	3920	1.36	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	10160	1.07	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	822	0.87	ug/l	92
93) 1,2,4-Trichlorobenzene	14.91	180	2789	0.59	ug/l	95
94) Hexachlorobutadiene	15.01	225	3487	1.01	ug/l	94
95) Naphthalene	15.13	128	4852	0.45	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050584.D
 Acq On : 13 Aug 2018 23:46
 Operator : MD\SY
 Sample : VSTDICC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampleId :
 VSTDICC001

Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:20:52 PM

Quant Time: Aug 14 07:38:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	3053	0.64	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

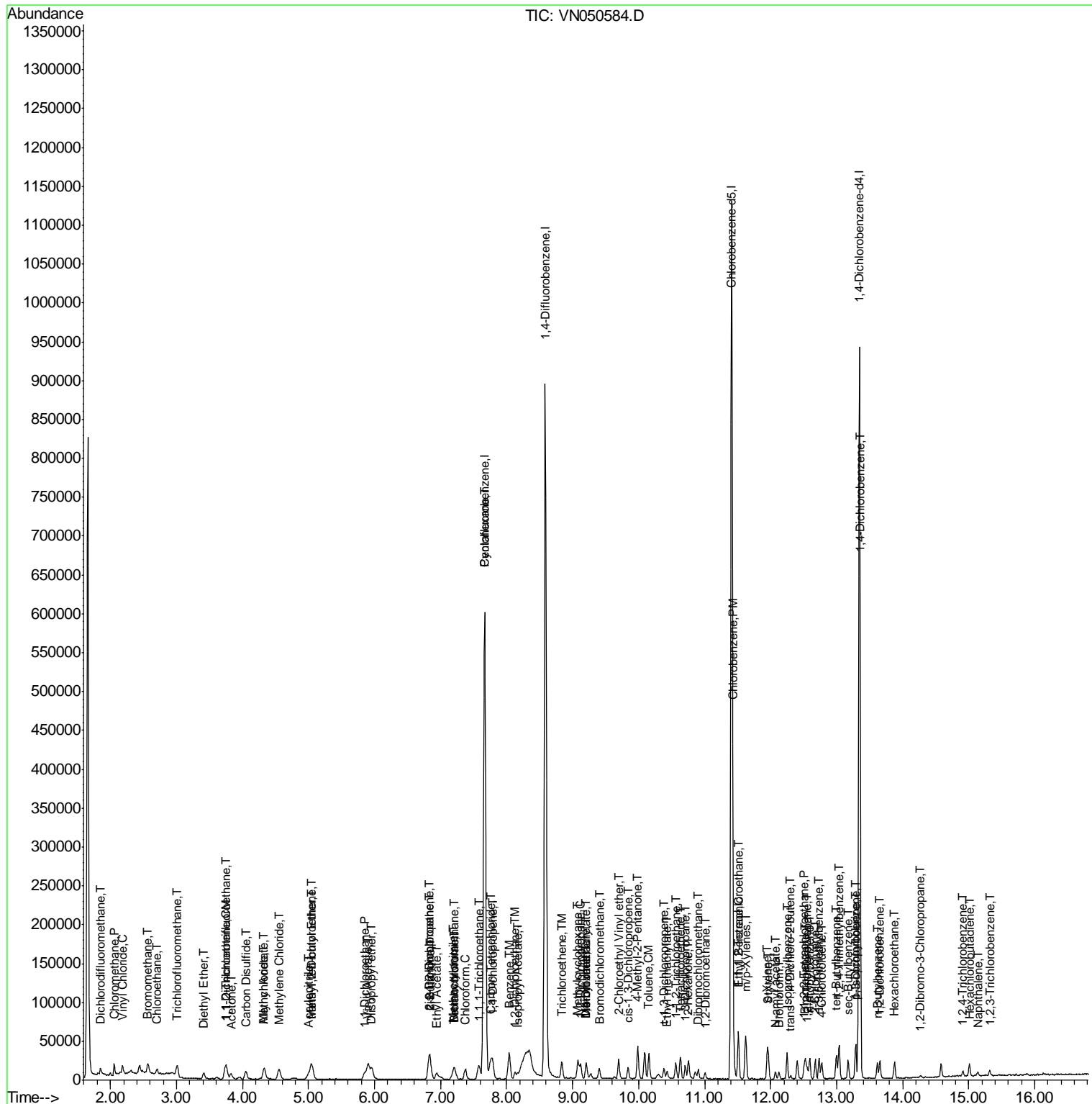
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050584.D
 Acq On : 13 Aug 2018 23:46
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

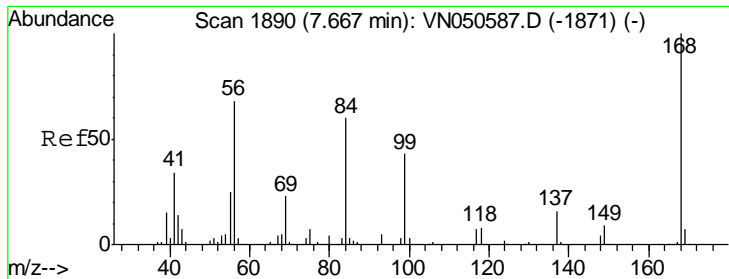
Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Manual Integrations APPROVED
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Quant Time: Aug 14 07:38:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration



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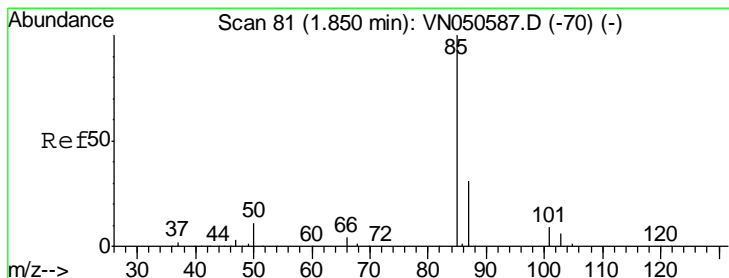
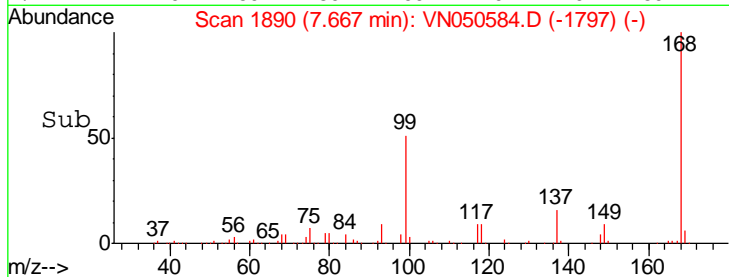
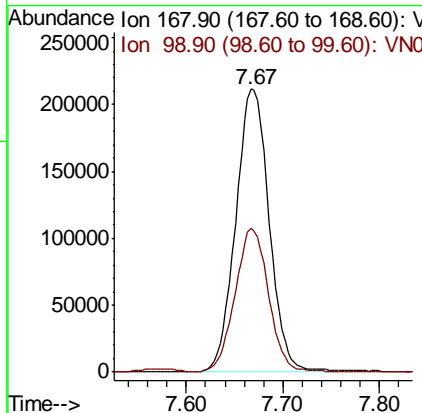
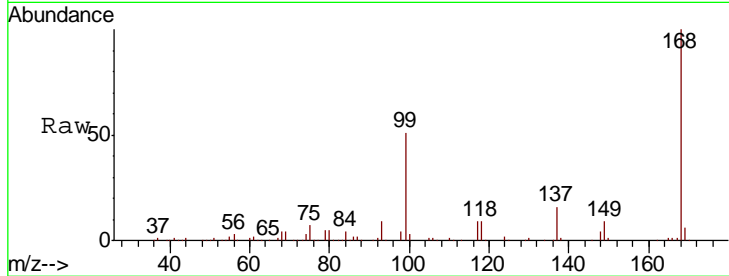
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.5	40.8	61.2

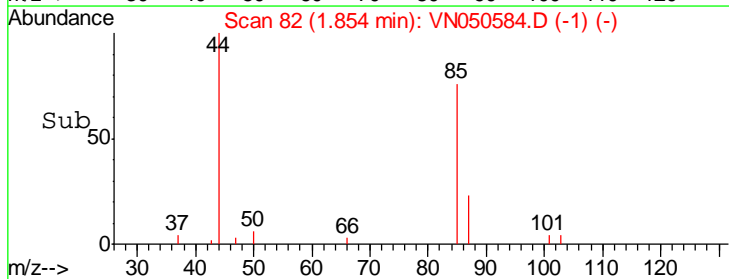
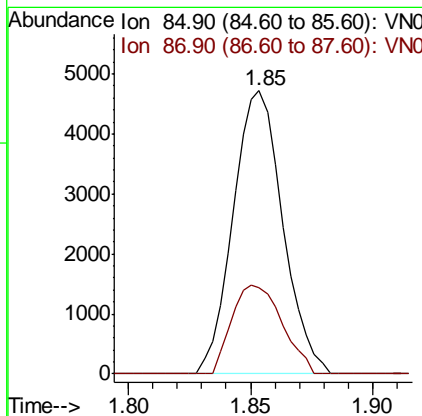
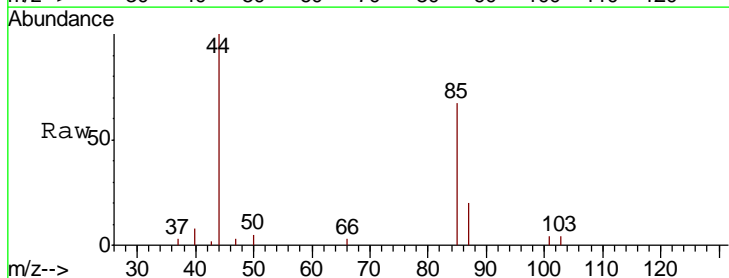
Manual Integrations
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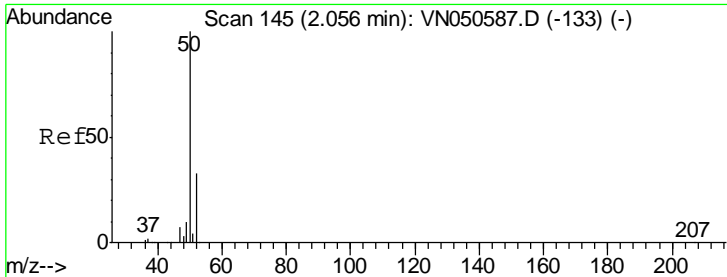
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#2
 Dichlorodifluoromethane
 Concen: 1.18 ug/l
 RT: 1.85 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.5	15.8	47.3





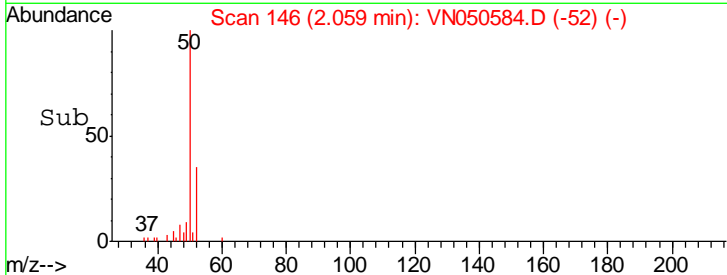
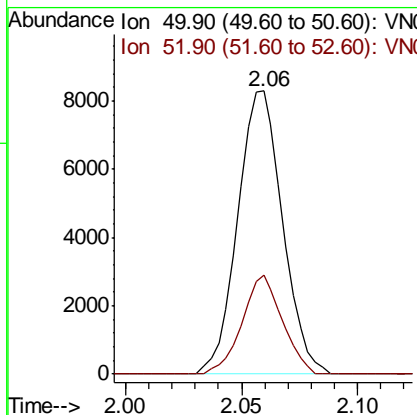
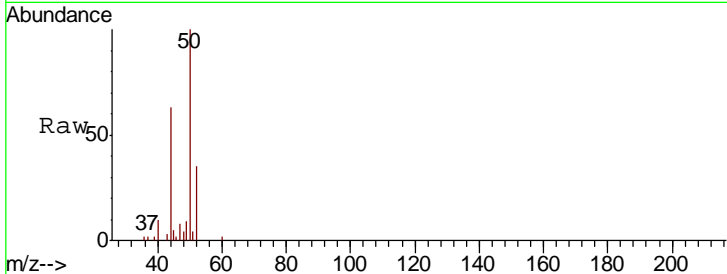
#3
 Chloromethane
 Concen: 1.47 ug/l
 RT: 2.06 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
50	11131		
52	34.9	26.0	39.0

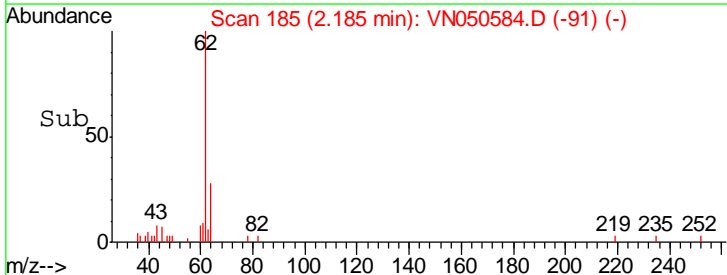
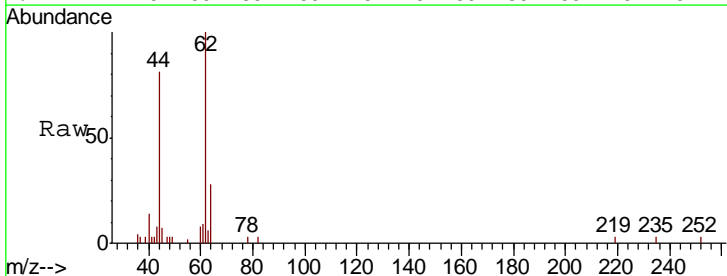
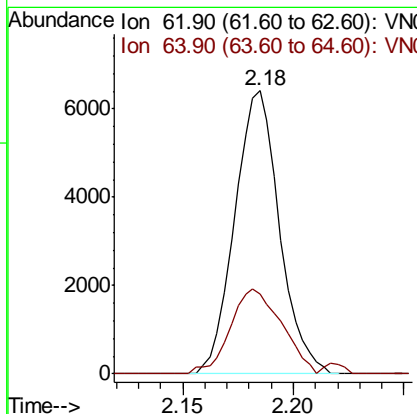
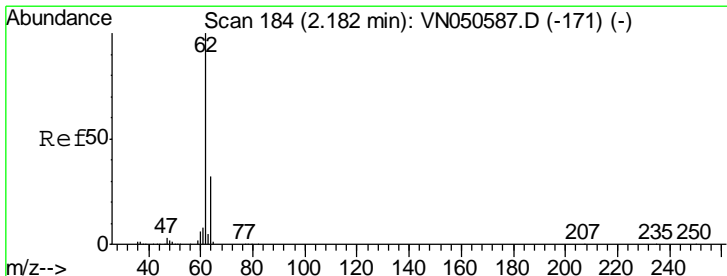
Manual Integrations
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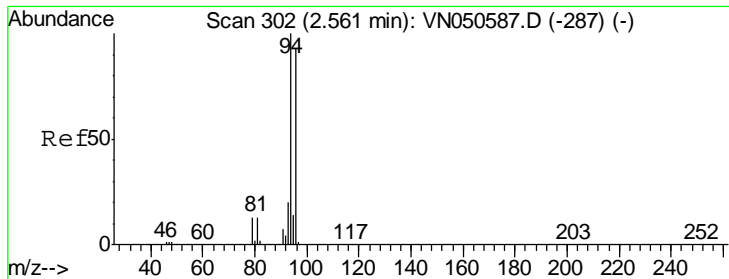
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#4
 Vinyl Chloride
 Concen: 1.23 ug/l
 RT: 2.18 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
62	9030		
64	28.0	25.2	37.8





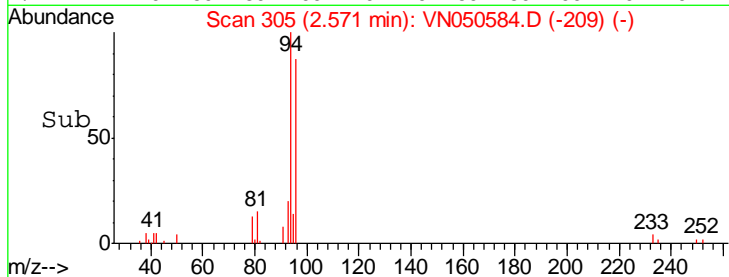
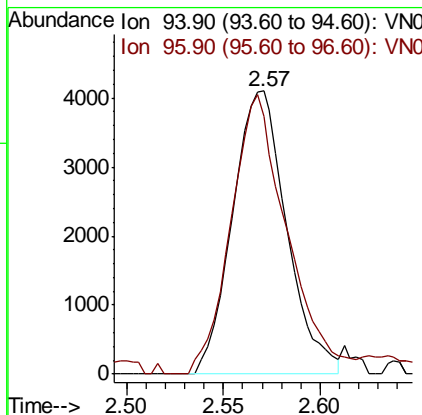
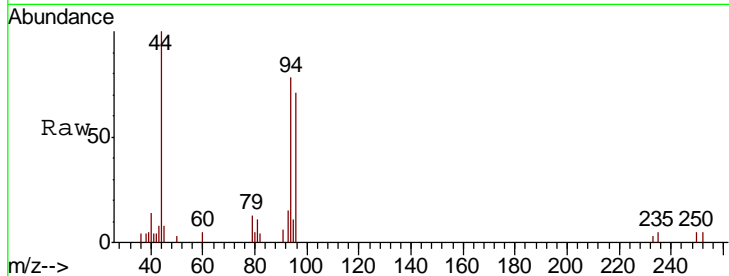
#5
 Bromomethane
 Concen: 1.78 ug/l
 RT: 2.57 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
94	100		
96	91.1	74.0	111.0

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

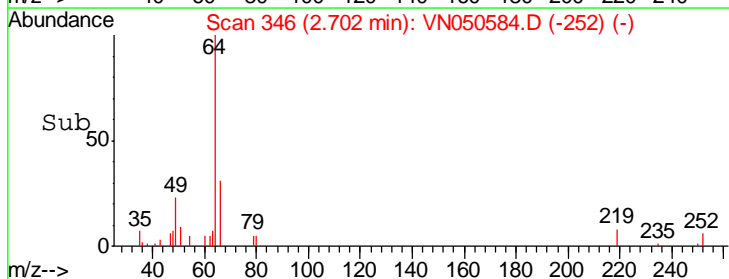
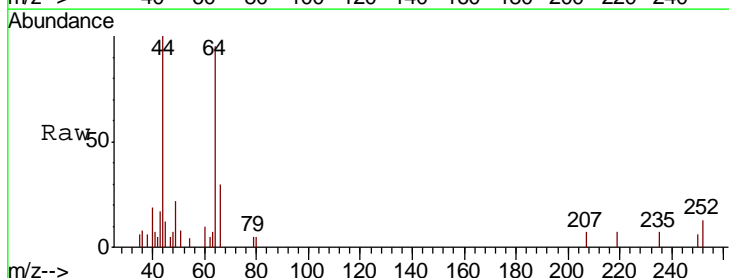
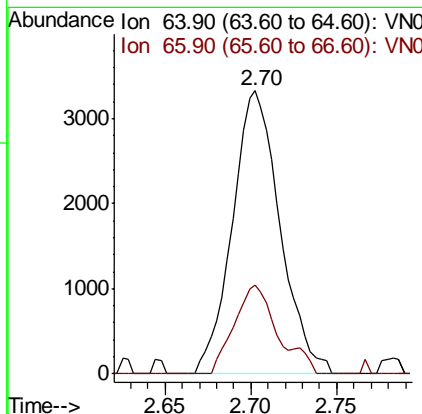
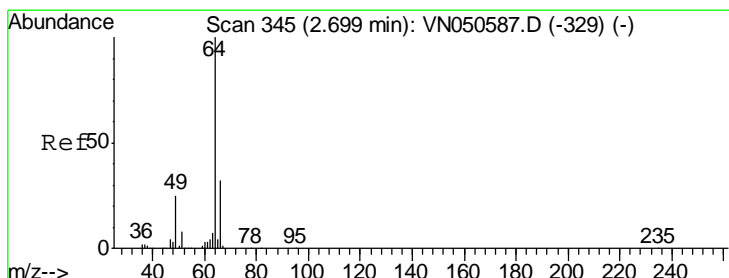
Manual Integrations APPROVED

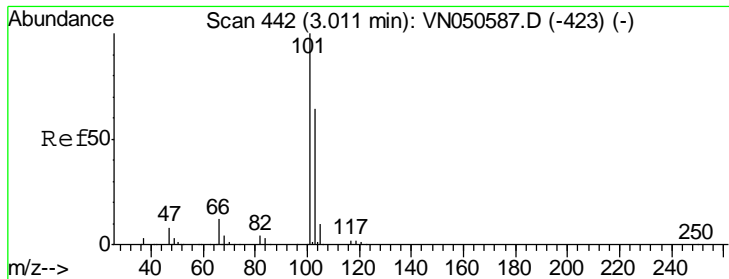
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 8/15/2018 3:20:52 PM



#6
 Chloroethane
 Concen: 1.42 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.4	25.7	38.5





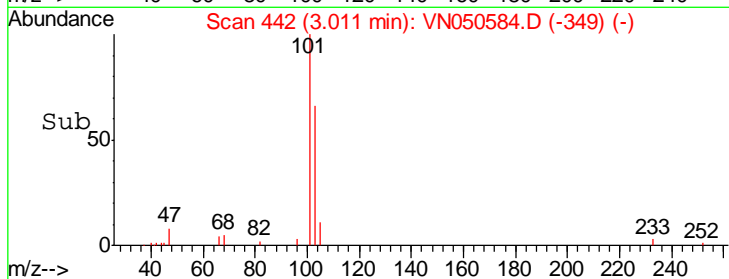
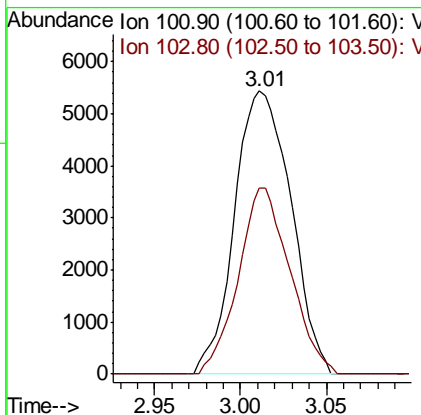
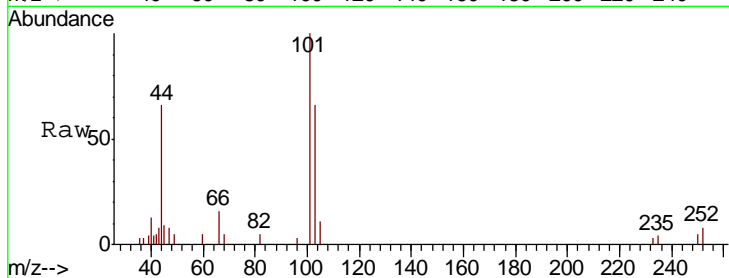
#7
 Trichlorofluoromethane
 Concen: 1.31 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
101	12381		
103	65.8	51.4	77.0

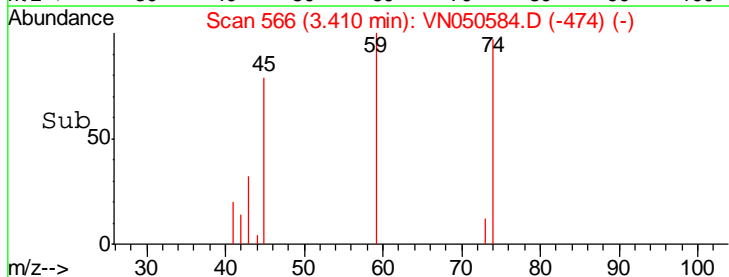
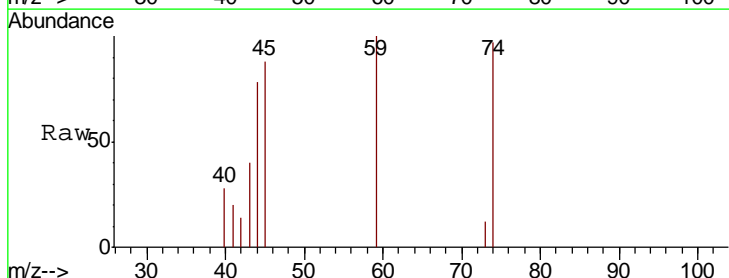
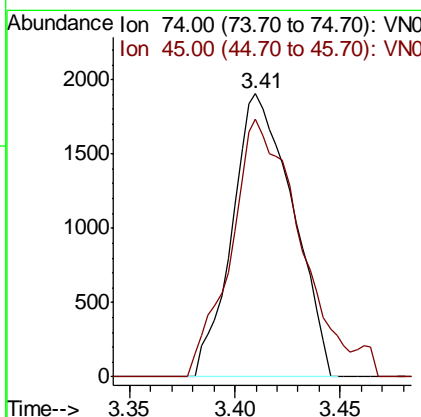
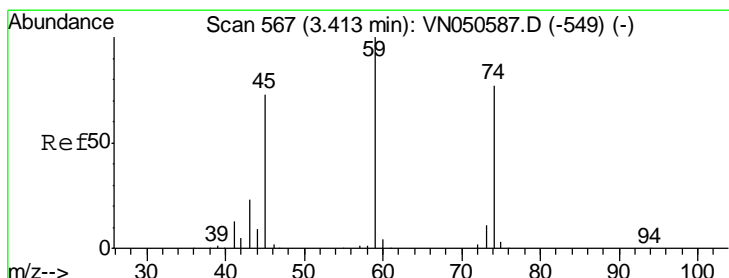
Manual Integrations
 APPROVED

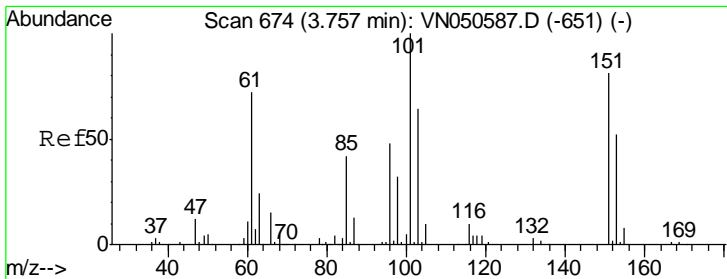
MMDadoda
 8/15/2018 3:20:52 PM



#8
 Diethyl Ether
 Concen: 1.10 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
74	3794		
45	102.6	48.0	144.2





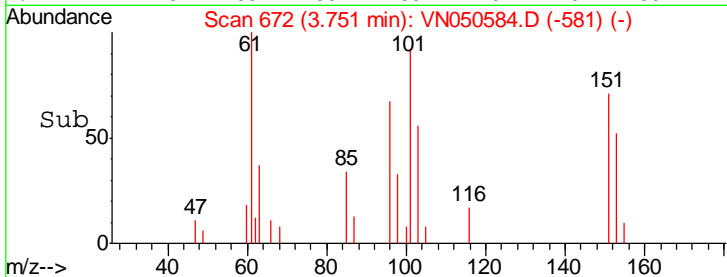
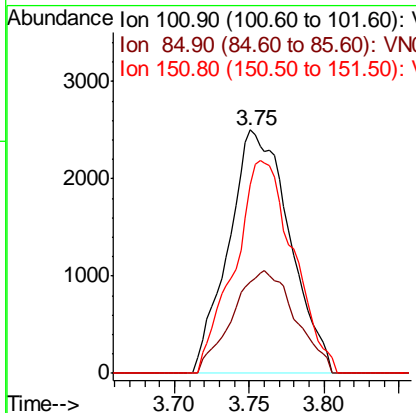
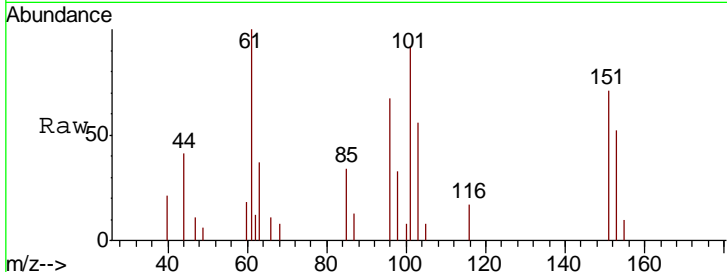
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.21 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
101	7096		
101	100		
85	43.5	33.4	50.0
151	84.3	66.6	100.0

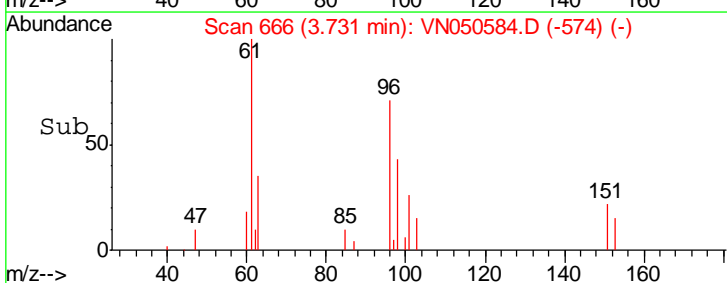
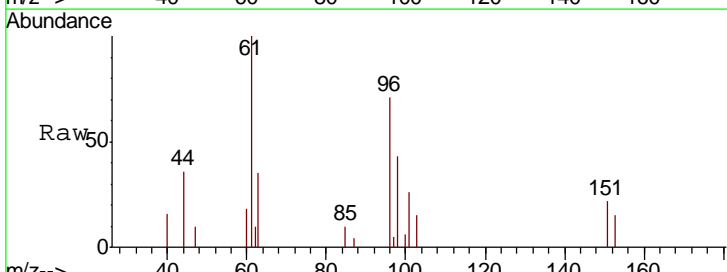
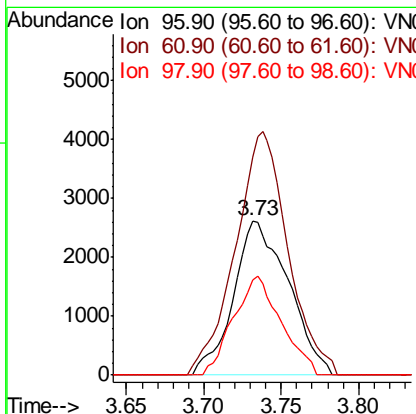
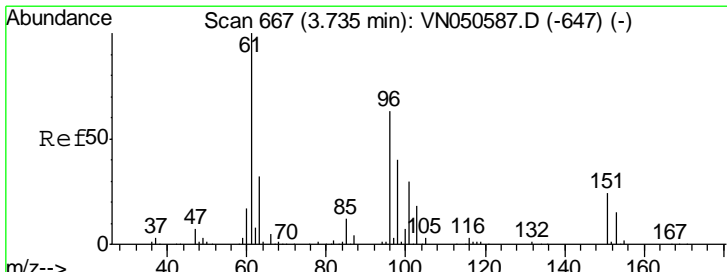
Manual Integrations
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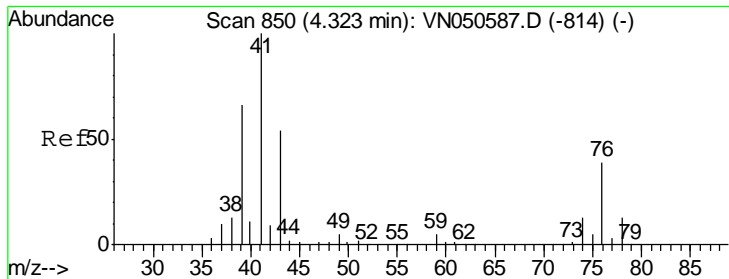
MMDadoda
 8/15/2018 3:20:52 PM



#12
 1,1-Dichloroethene
 Concen: 1.17 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
96	6454		
96	100		
61	141.3	126.9	190.3
98	61.3	51.1	76.7





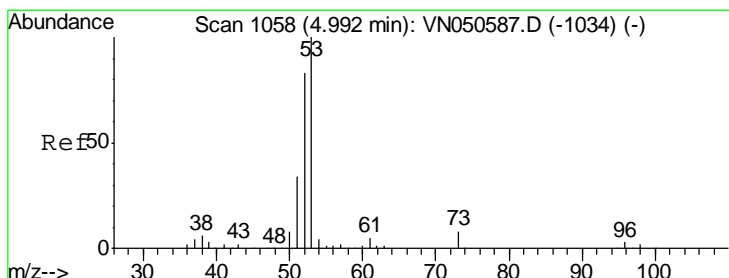
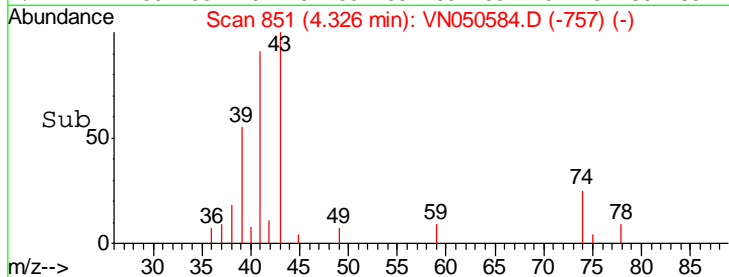
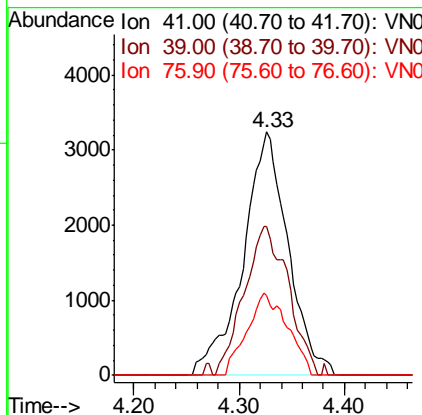
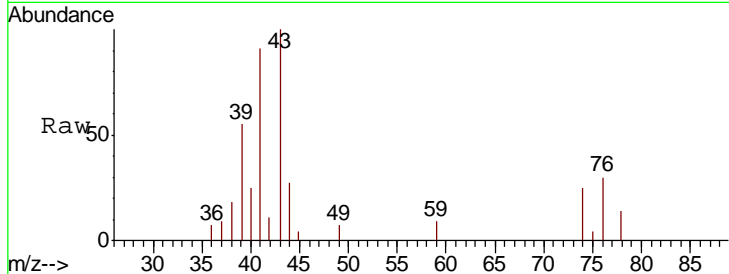
#14
 Allyl chloride
 Concen: 1.10 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
41	100		
39	59.7	51.4	77.0
76	30.1	29.4	44.0

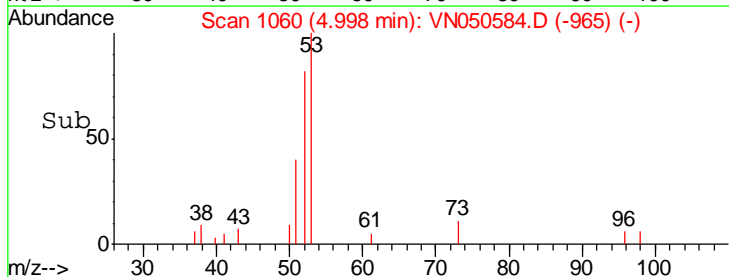
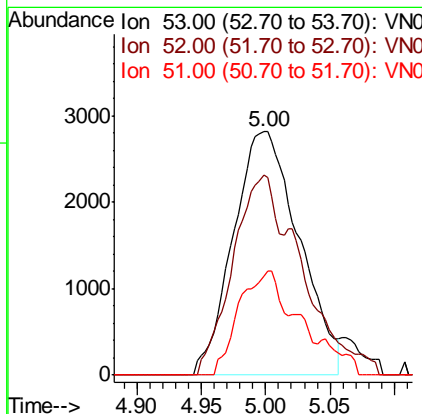
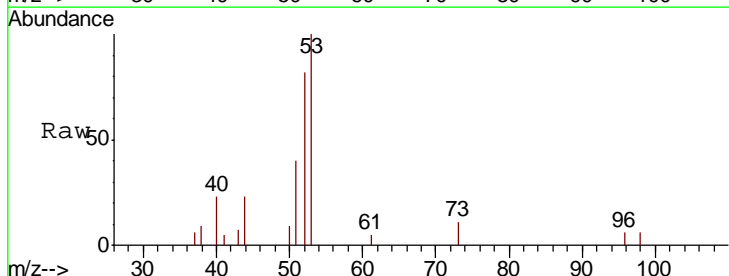
Manual Integrations
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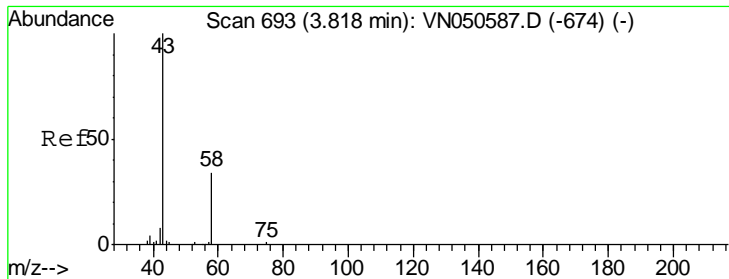
MMDadoda
 8/15/2018 3:20:52 PM



#15
 Acrylonitrile
 Concen: 4.50 ug/l
 RT: 5.00 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
53	100		
52	57.4	66.2	99.2#
51	27.8	28.6	43.0#





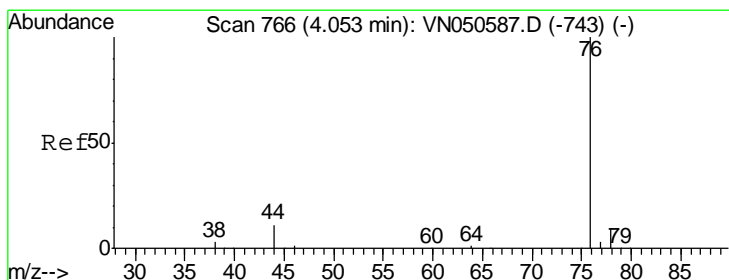
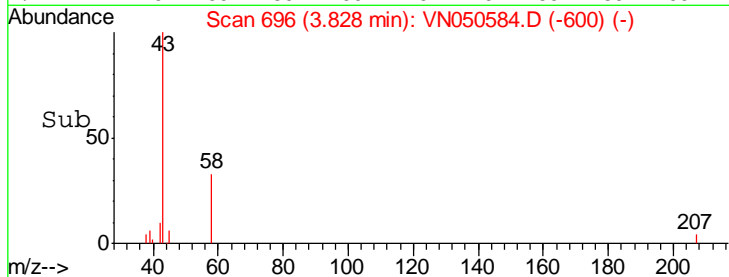
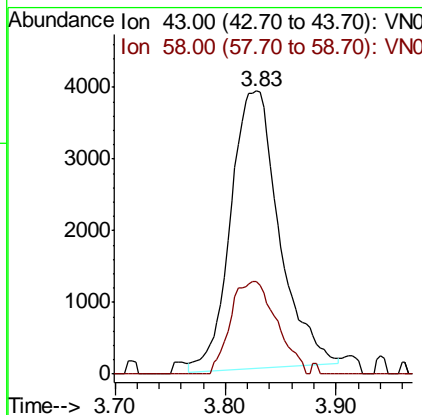
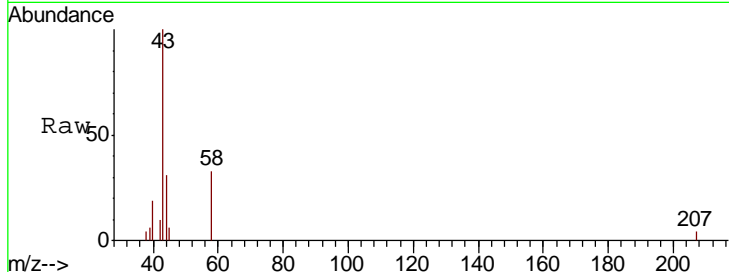
#16
 Acetone
 Concen: 5.55 ug/l
 RT: 3.83 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
43	11805		
58	34.1	27.1	40.7

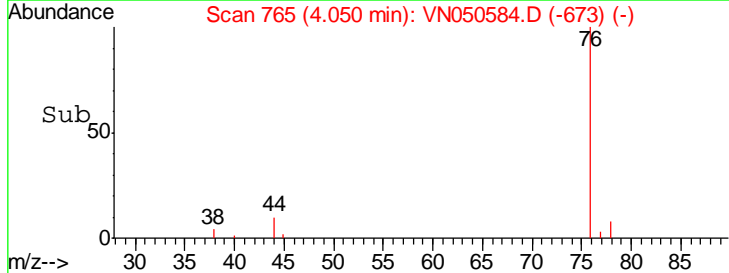
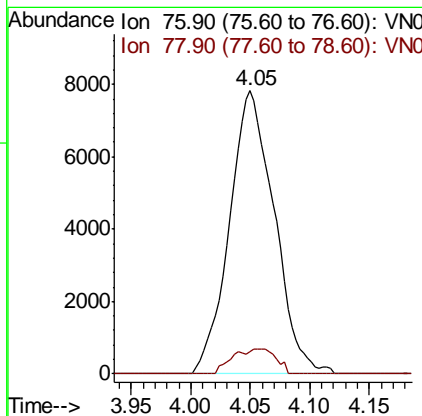
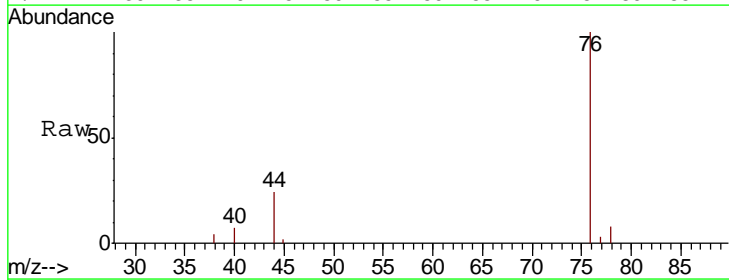
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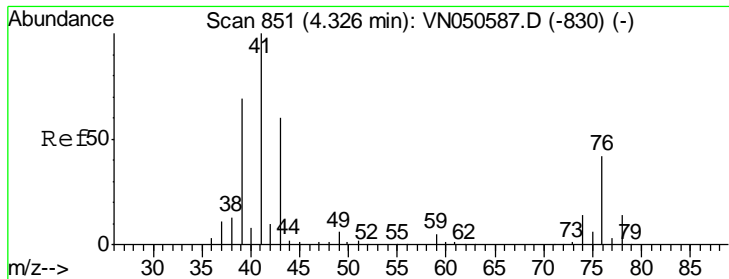
MMDadoda
 8/15/2018 3:20:52 PM



#17
 Carbon Disulfide
 Concen: 1.14 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
76	20394		
78	7.9	7.3	10.9





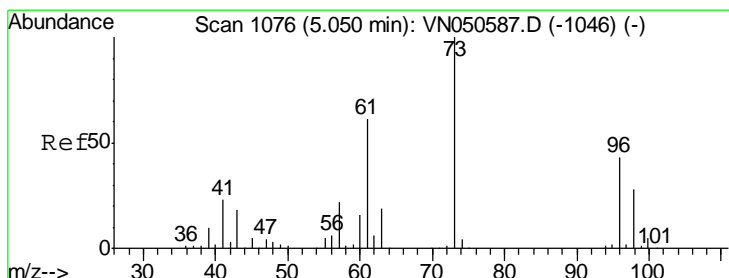
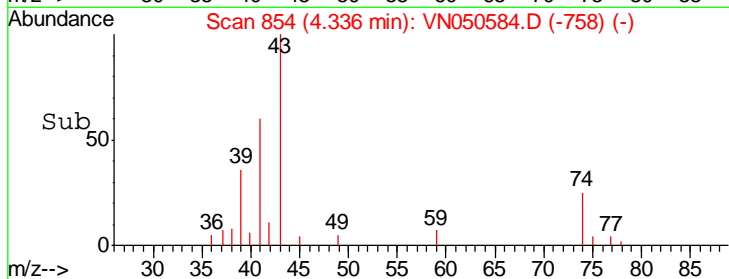
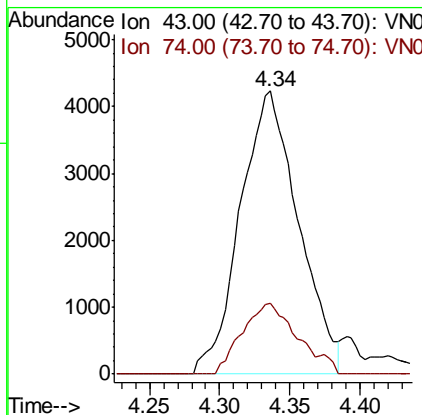
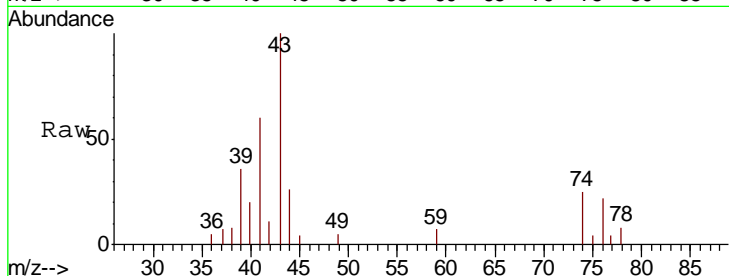
#18
 Methyl Acetate
 Concen: 2.01 ug/l
 RT: 4.34 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
43	100		
74	23.9	19.7	29.5

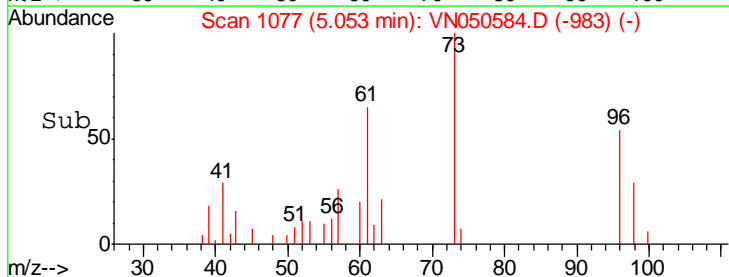
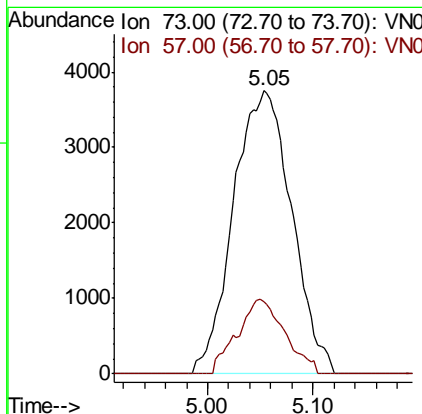
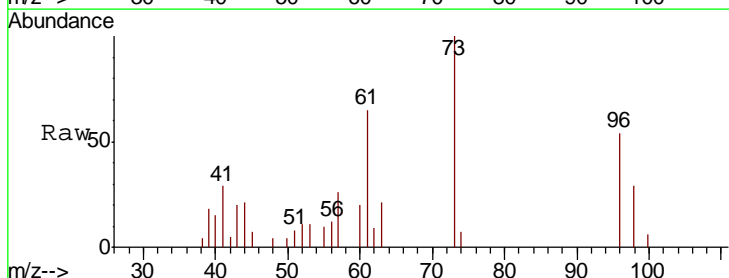
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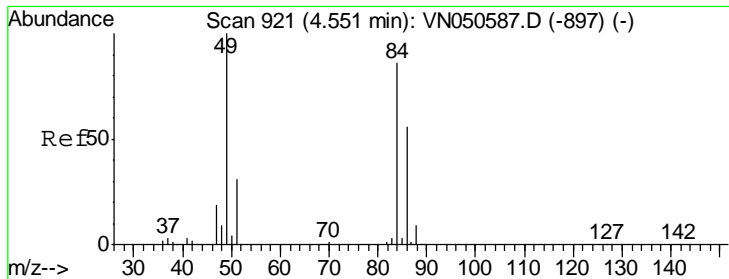
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#19
 Methyl tert-butyl Ether
 Concen: 0.94 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
73	100		
57	25.7	17.9	26.9





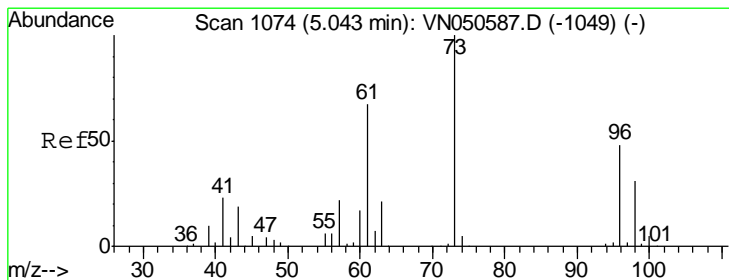
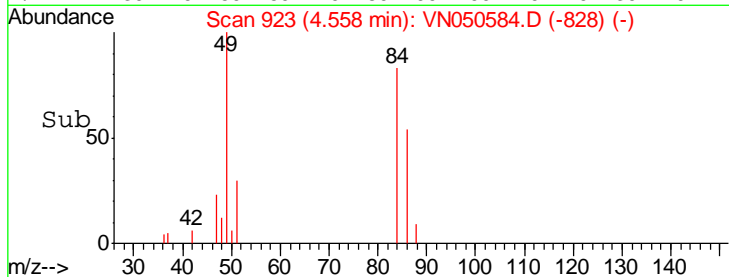
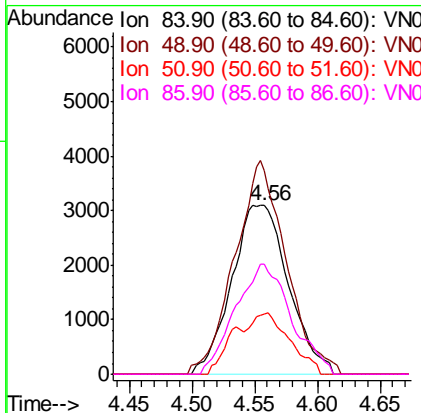
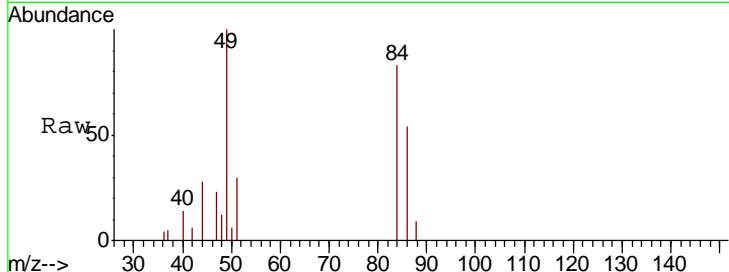
#20
 Methylene Chloride
 Concen: 1.28 ug/l
 RT: 4.56 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
84	9724		
49	120.6	92.6	138.8
51	35.7	28.6	43.0
86	64.9	52.2	78.2

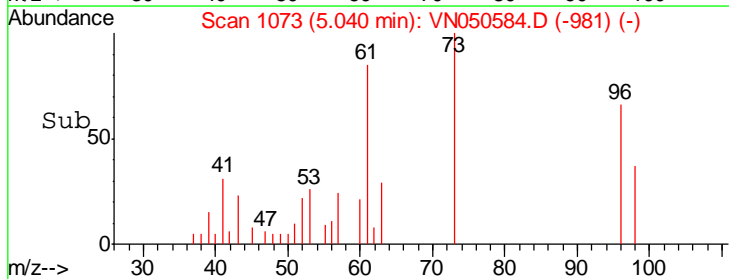
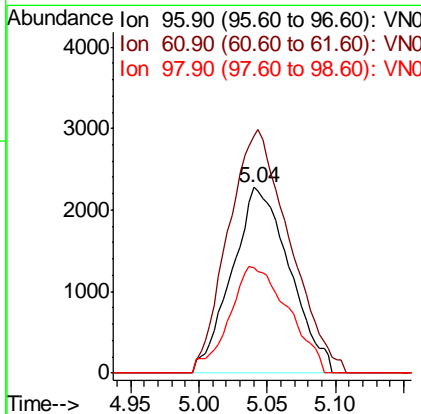
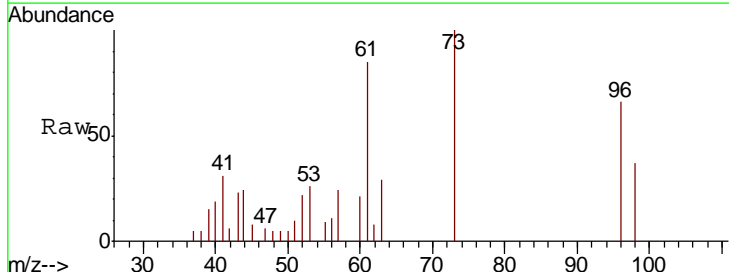
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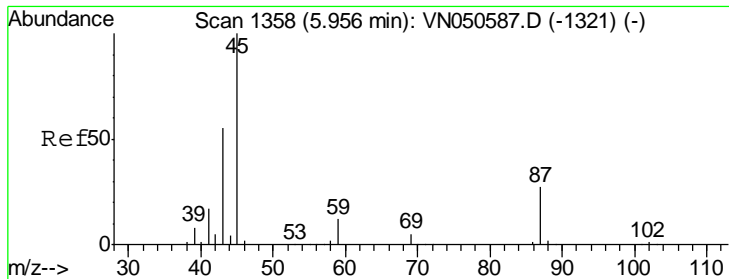
MMDadoda
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#21
 trans-1,2-Dichloroethene
 Concen: 1.12 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
96	6690		
61	127.8	111.2	166.8
98	56.6	51.6	77.4





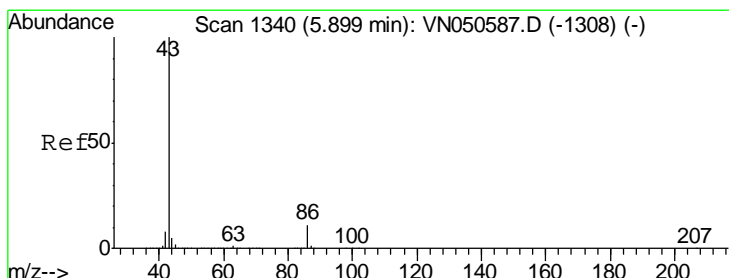
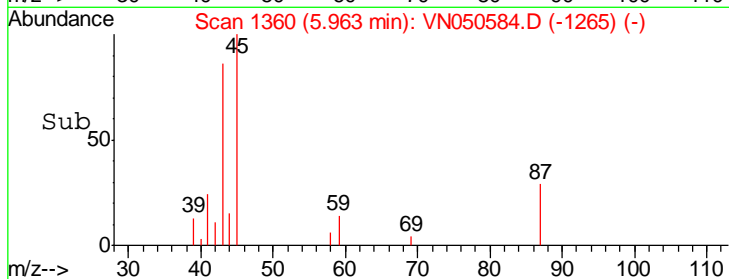
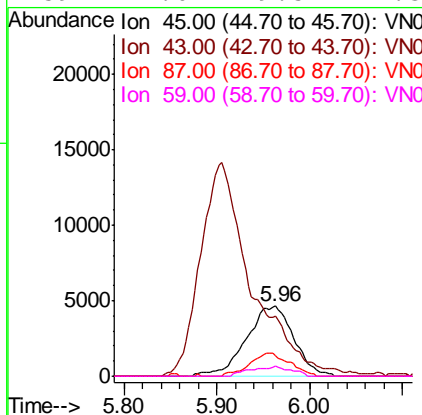
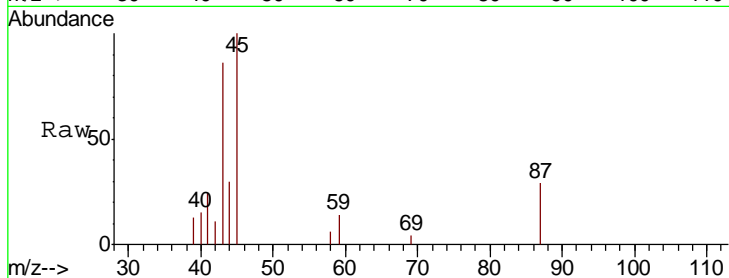
#22
 Diisopropyl ether
 Concen: 0.92 ug/l
 RT: 5.96 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
45	100		
43	76.7	44.5	66.7#
87	29.4	22.2	33.2
59	14.0	9.5	14.3

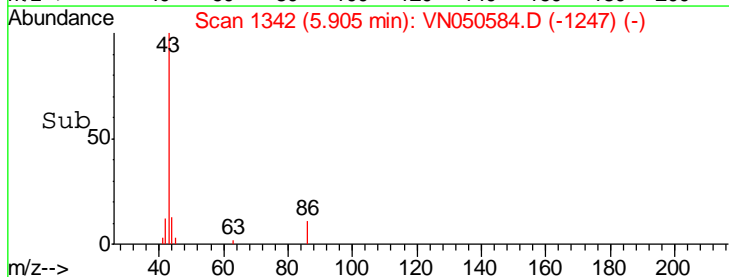
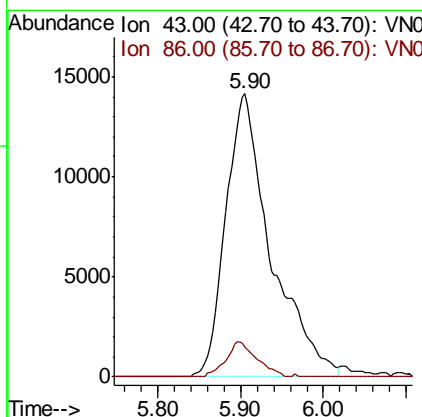
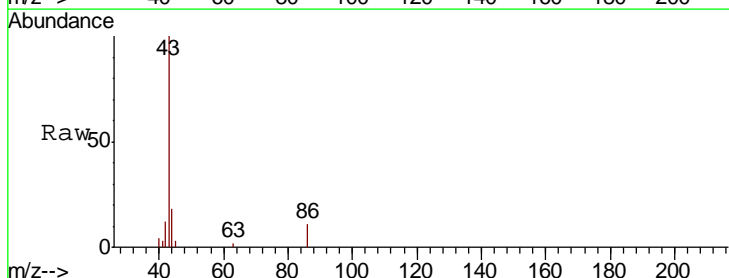
Manual Integrations
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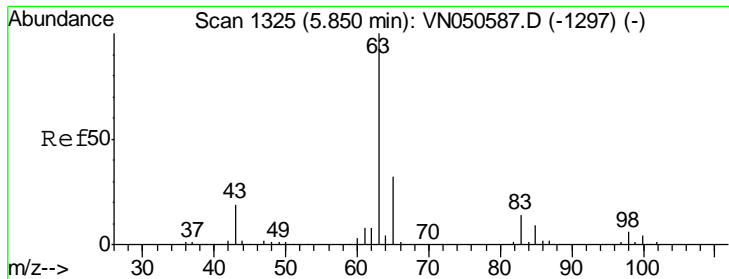
MMDadoda
 8/15/2018 3:20:52 PM



#23
 Vinyl Acetate
 Concen: 4.24 ug/l
 RT: 5.90 min Scan# 1342
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.8	8.4	12.6





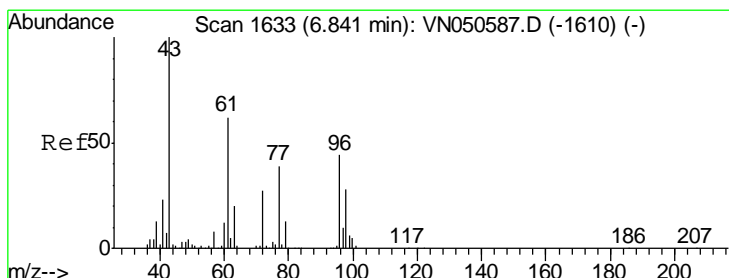
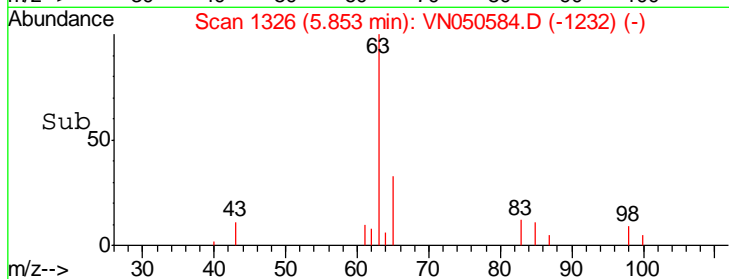
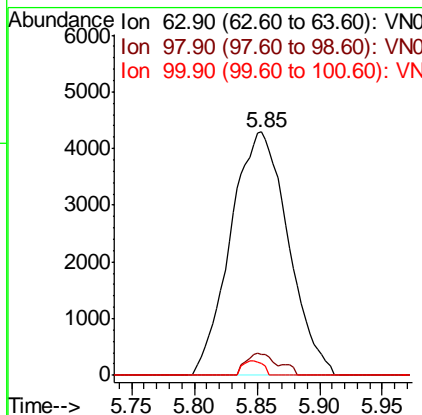
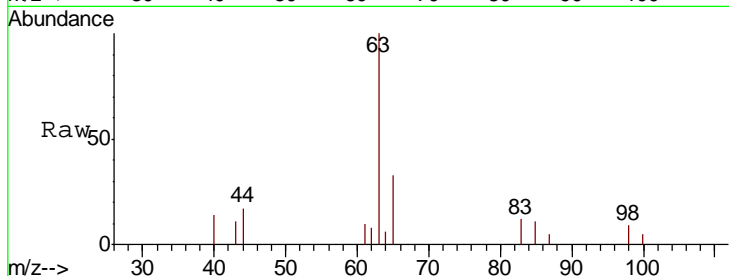
#24
 1,1-Dichloroethane
 Concen: 1.24 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampleId : VSTDIC001

Tgt Ion	Resp	Lower	Upper
63	13679		
98	8.8	3.2	9.6
100	4.7	2.1	6.5

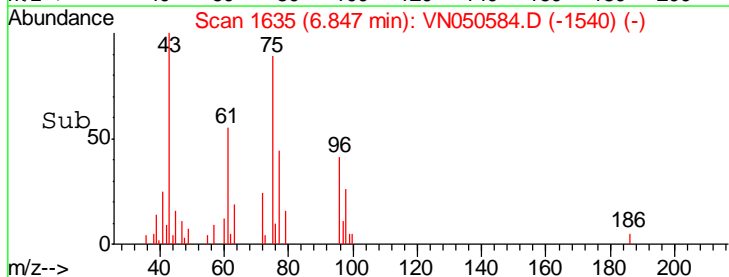
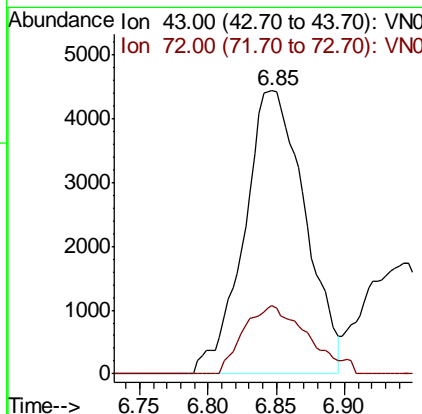
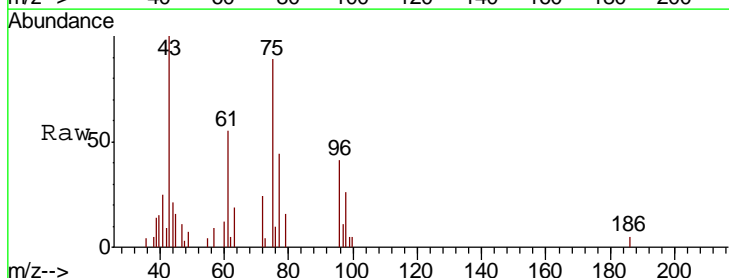
Manual Integrations
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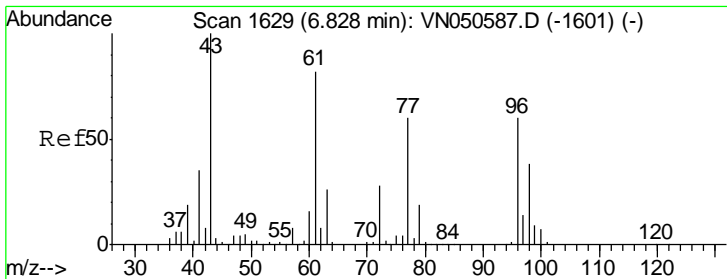
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#25
 2-Butanone
 Concen: 4.25 ug/l
 RT: 6.85 min Scan# 1635
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
43	13764		
72	24.1	21.8	32.6





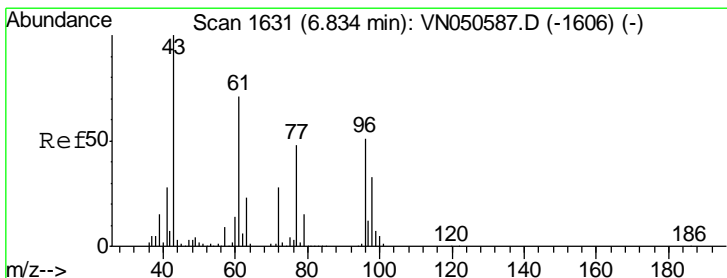
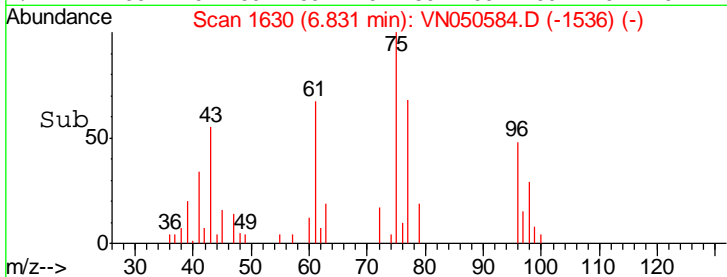
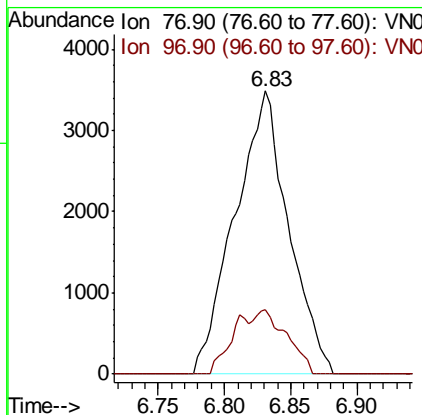
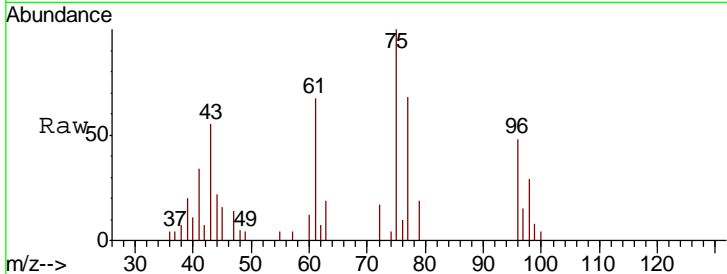
#26
 2,2-Dichloropropane
 Concen: 1.11 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
77	100		
97	7.8	12.2	36.4#

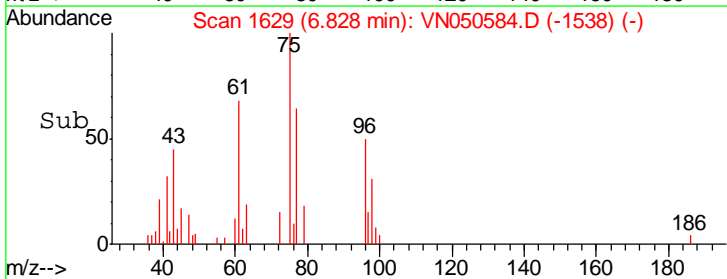
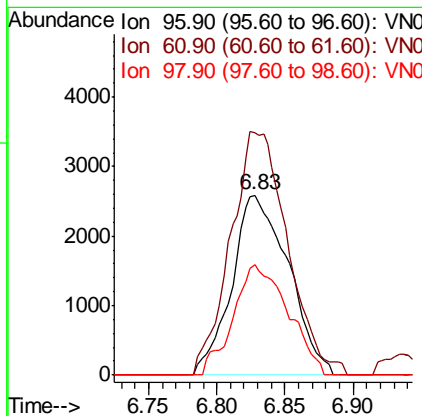
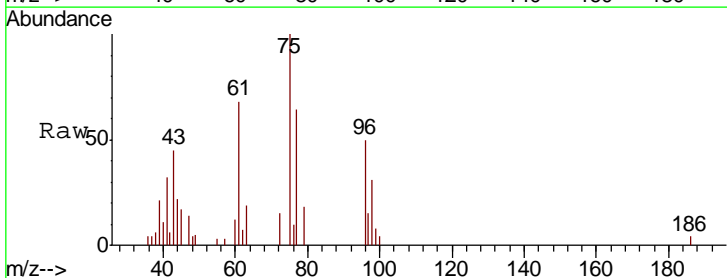
Manual Integrations
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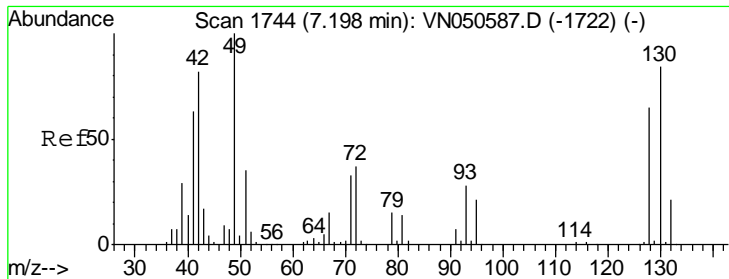
MMDadoda
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#27
 cis-1,2-Dichloroethene
 Concen: 1.13 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	278.2
98	59.6	0.0	128.8





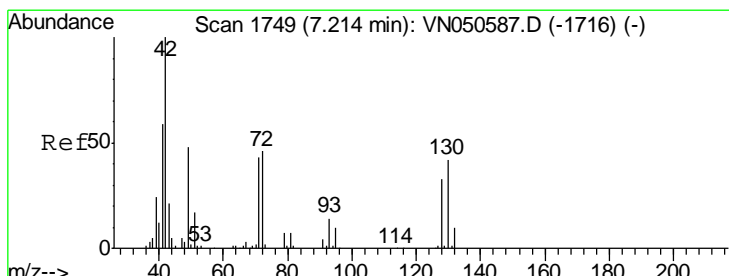
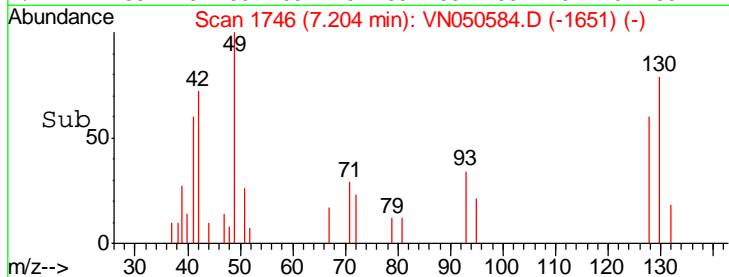
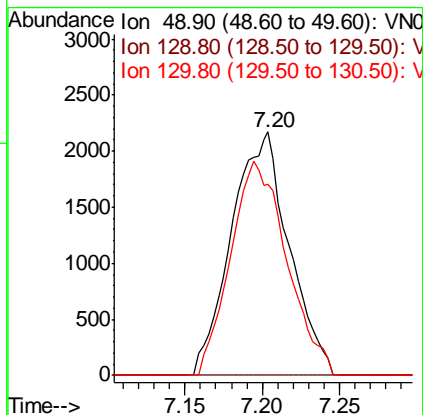
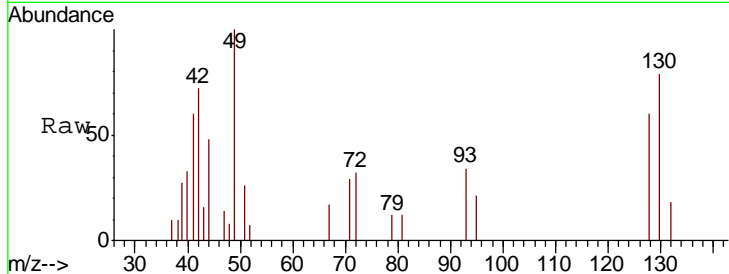
#28
 Bromochloromethane
 Concen: 1.10 ug/l
 RT: 7.20 min Scan# 1746
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	86.0	66.8	100.2

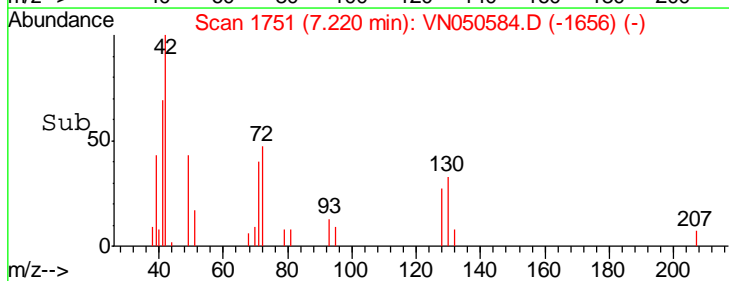
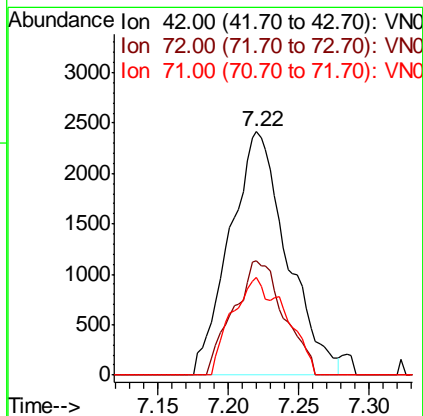
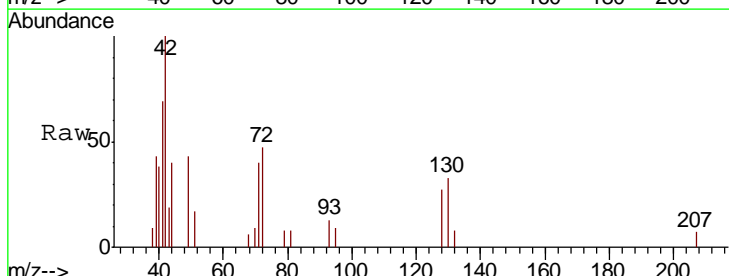
Manual Integrations
 APPROVED

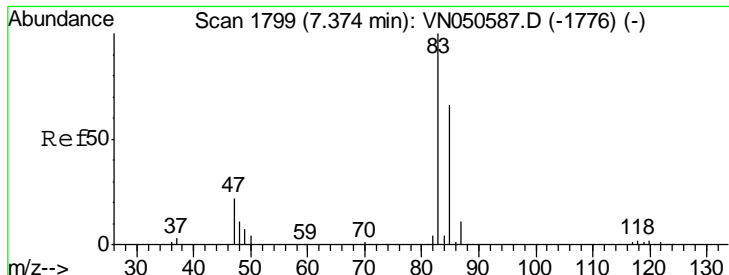
MMDadoda
 8/15/2018 3:20:52 PM



#29
 Tetrahydrofuran
 Concen: 3.94 ug/l
 RT: 7.22 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
42	100		
72	41.4	35.8	53.6
71	37.3	33.4	50.0





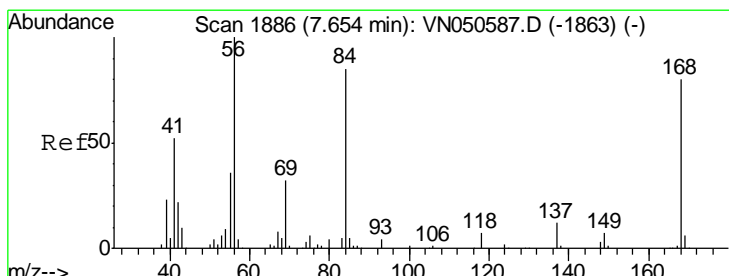
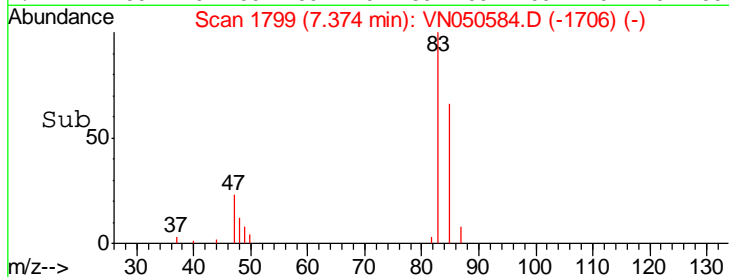
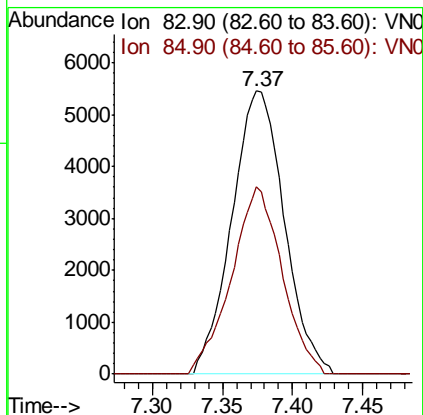
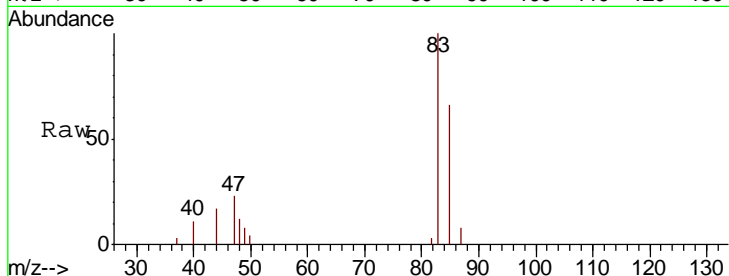
#30
 Chloroform
 Concen: 1.28 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
83	14201		
85	66.2	52.5	78.7

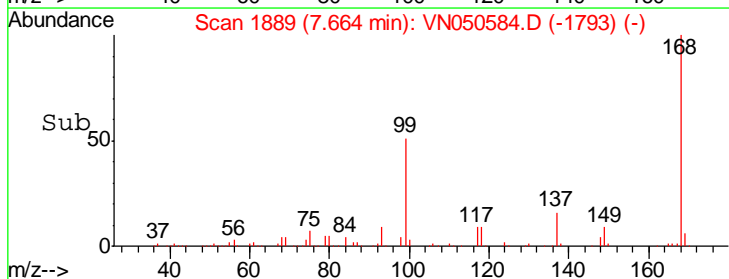
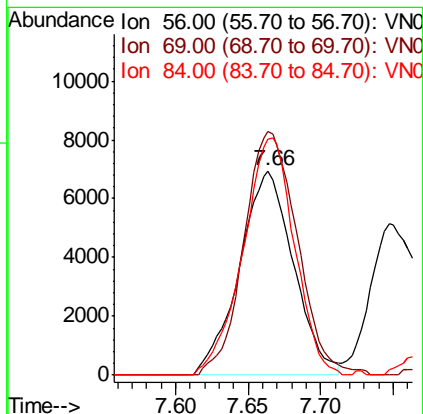
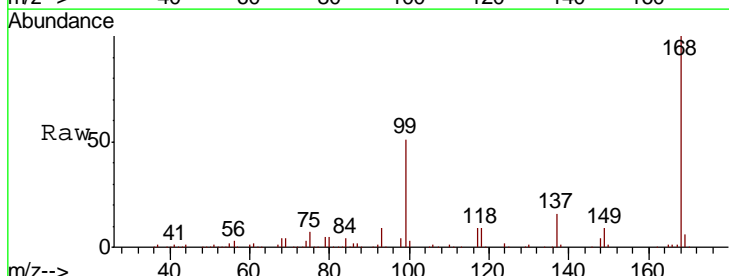
Manual Integrations
 APPROVED

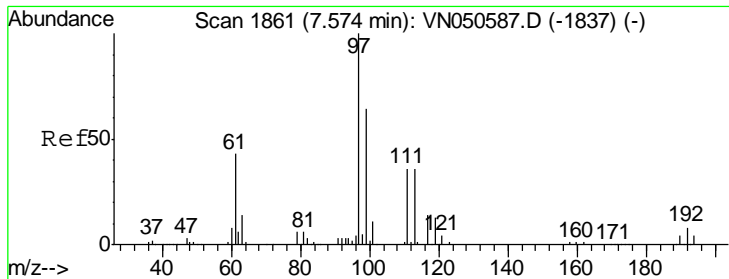
MMDadoda
 8/15/2018 3:20:52 PM



#31
 Cyclohexane
 Concen: 1.63 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
56	18007		
69	119.0	25.8	38.6#
84	115.3	67.8	101.6#





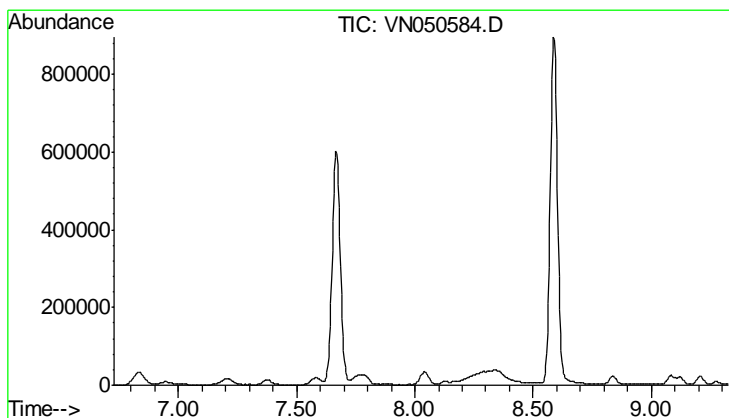
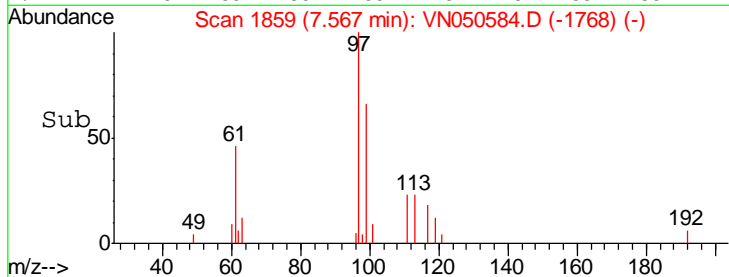
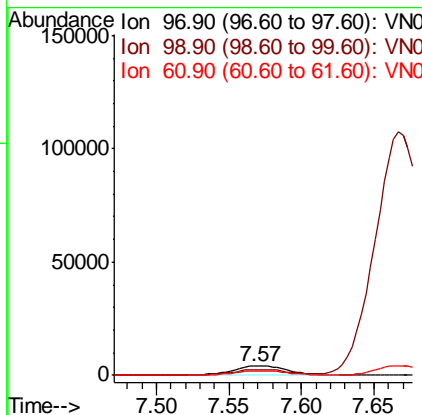
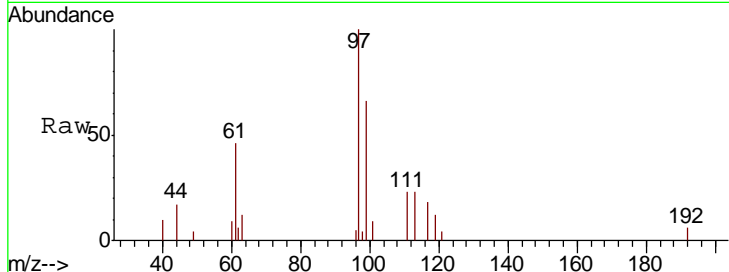
#32
 1,1,1-Trichloroethane
 Concen: 1.16 ug/l
 RT: 7.57 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
97	11035		
99	0.0	51.1	76.7#
61	47.6	34.8	52.2

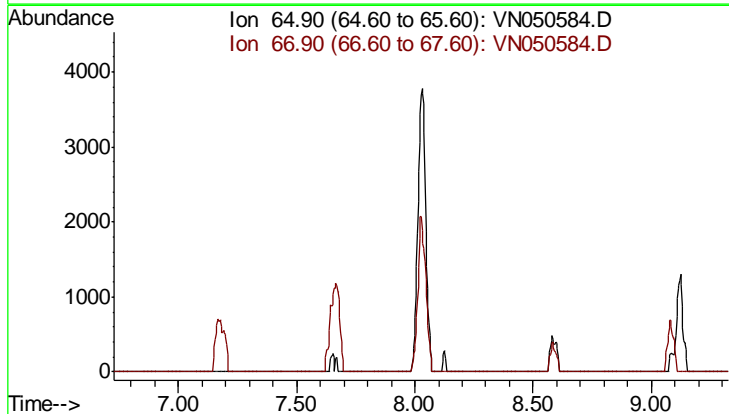
Manual Integrations
 APPROVED

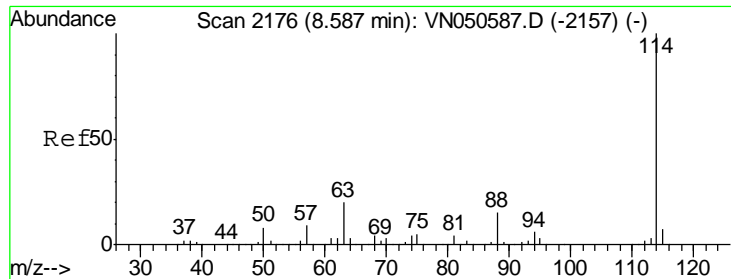
MMDadoda
 8/15/2018 3:20:52 PM



#33
 1,2-Dichloroethane-d4
 Concen: 0.00 ug/l
 Expected RT: 8.03 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Sig	Exp Ratio
65	65	100
67	67	54.9





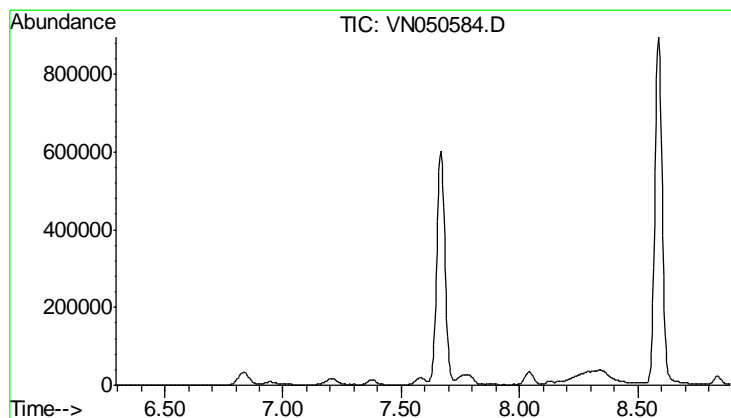
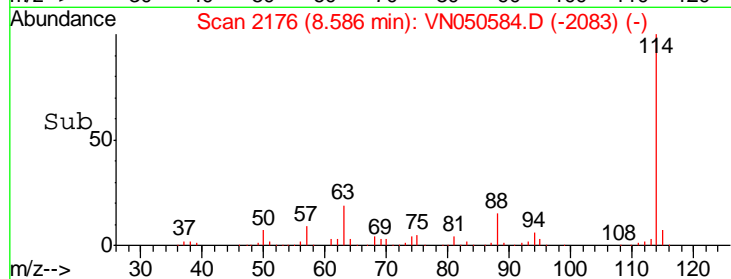
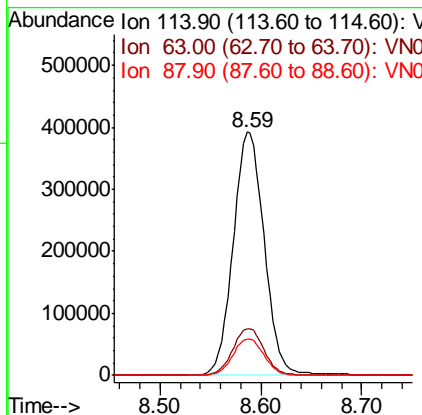
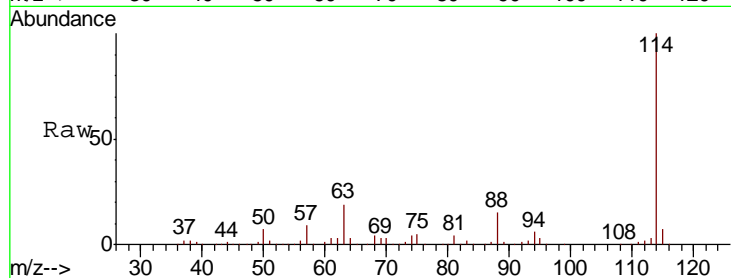
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Resp	Lower	Upper
114	836986		
63	19.2	0.0	40.0
88	15.0	0.0	30.8

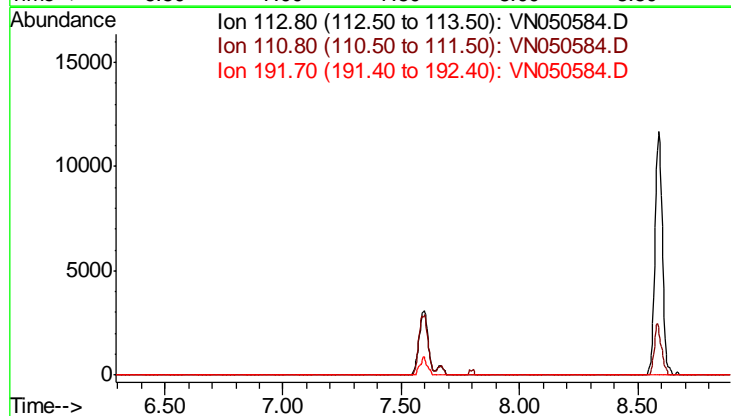
Manual Integrations
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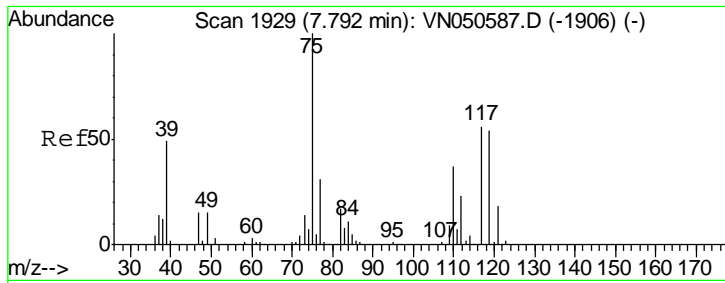
MMDadoda
 8/15/2018 3:20:52 PM



#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 7.59 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Exp Ratio
113	100
111	101.3
192	22.0





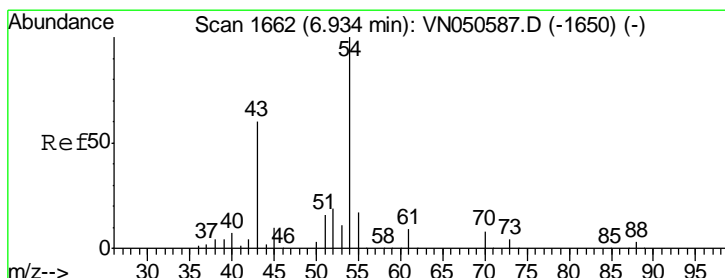
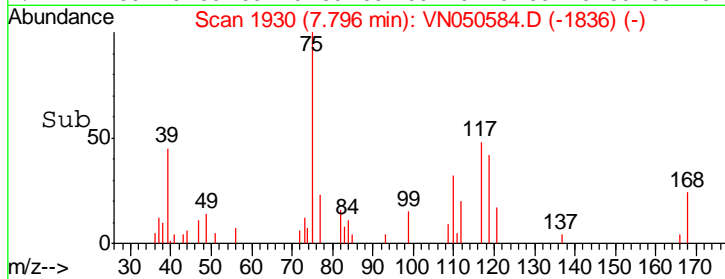
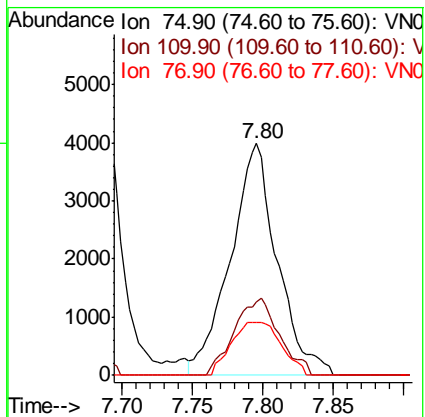
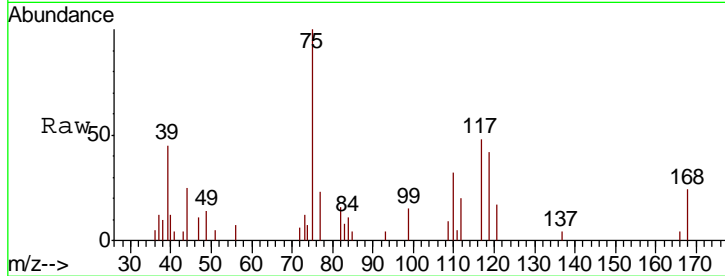
#36
 1,1-Dichloropropene
 Concen: 1.01 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	100		
110	32.0	18.3	54.9
77	24.3	25.0	37.4#

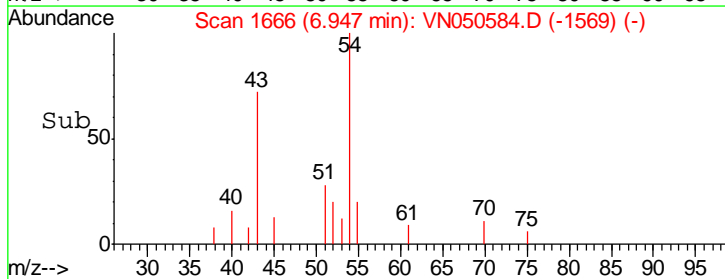
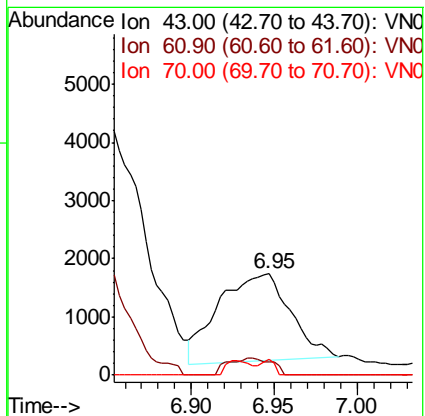
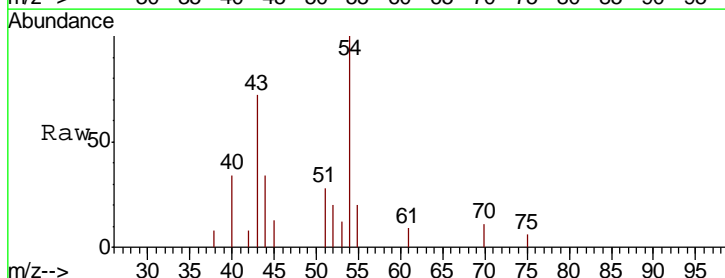
Manual Integrations
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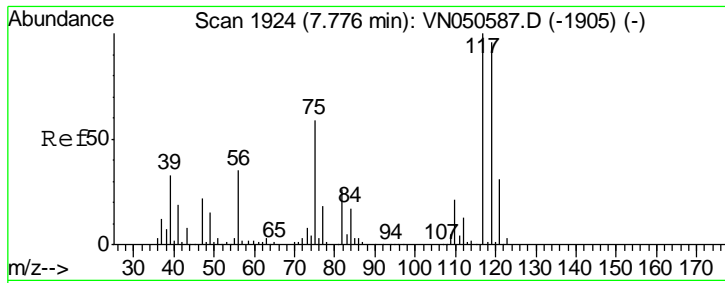
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#37
 Ethyl Acetate
 Concen: 0.72 ug/l
 RT: 6.95 min Scan# 1666
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
43	100		
61	0.0	12.0	18.0#
70	3.7	8.5	12.7#





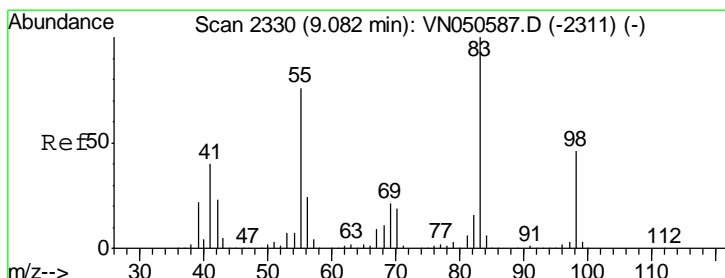
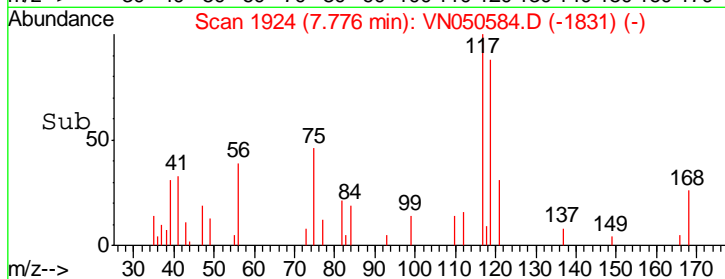
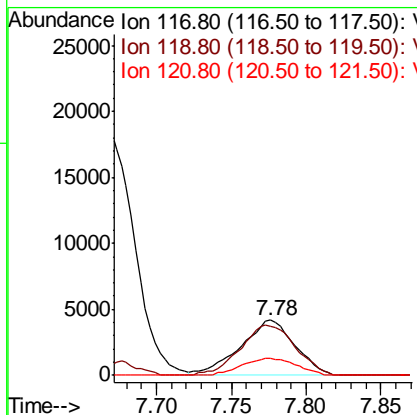
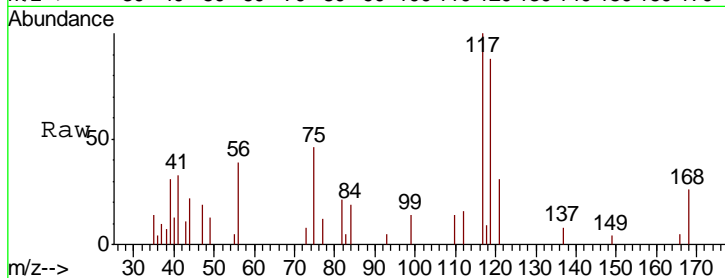
#38
 Carbon Tetrachloride
 Concen: 1.11 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
117	10647		
117	100		
119	88.4	76.6	115.0
121	30.7	25.0	37.6

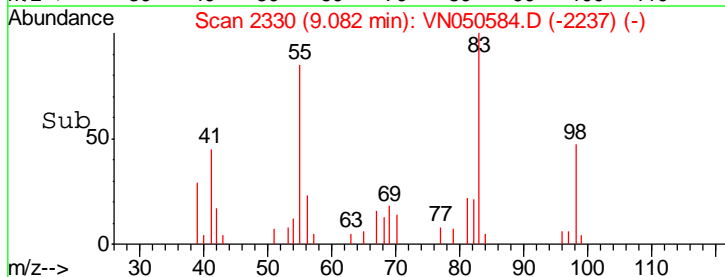
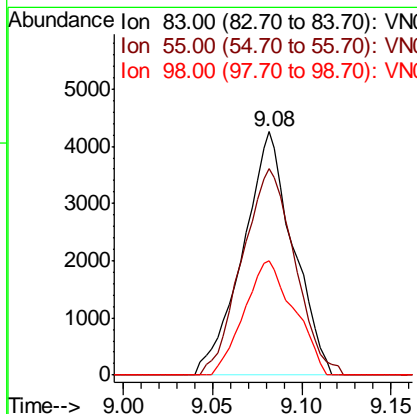
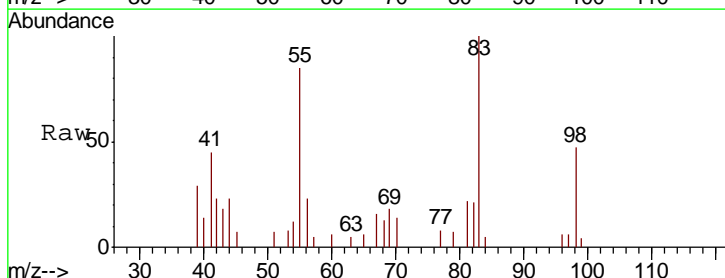
Manual Integrations
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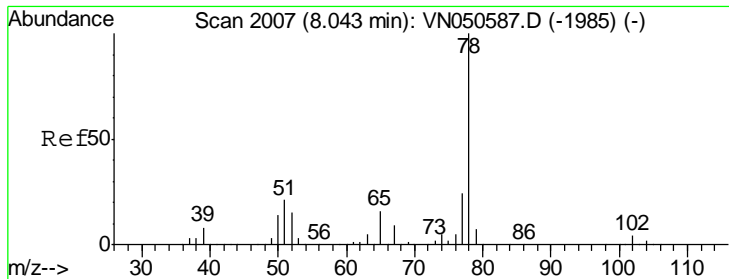
MMDadoda
 8/15/2018 3:20:52 PM



#39
 Methylcyclohexane
 Concen: 0.83 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
83	8361		
83	100		
55	84.7	60.6	91.0
98	47.2	37.0	55.4





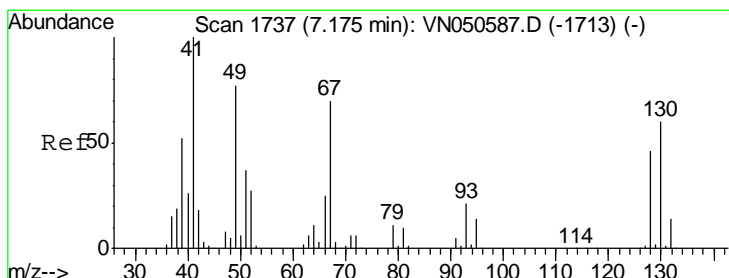
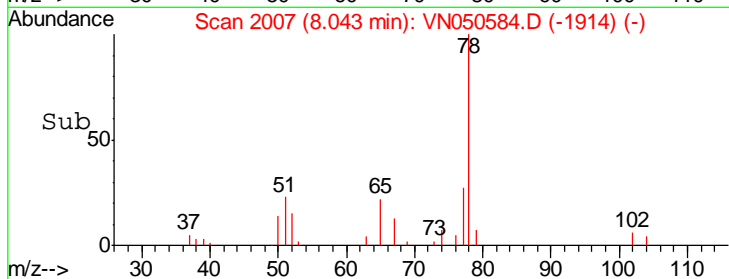
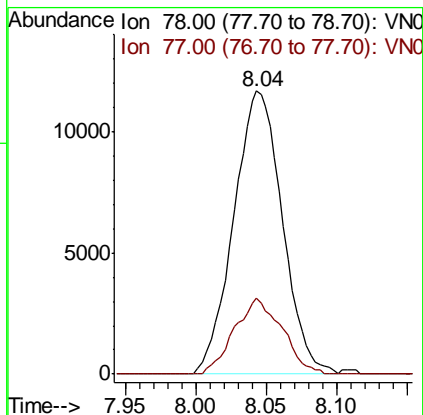
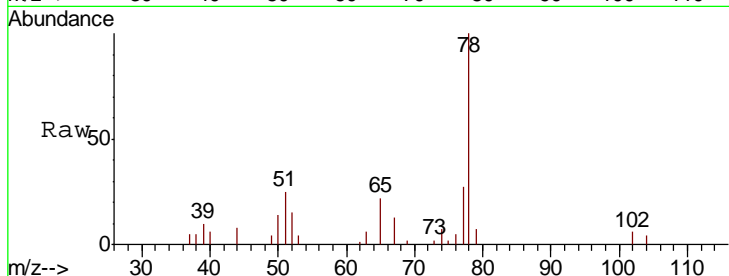
#40
Benzene
Concen: 1.00 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
78	28133		
77	26.7	19.0	28.6

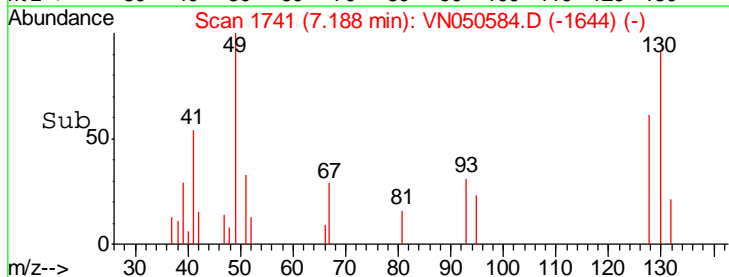
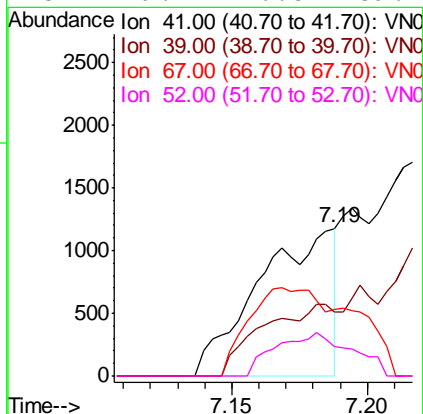
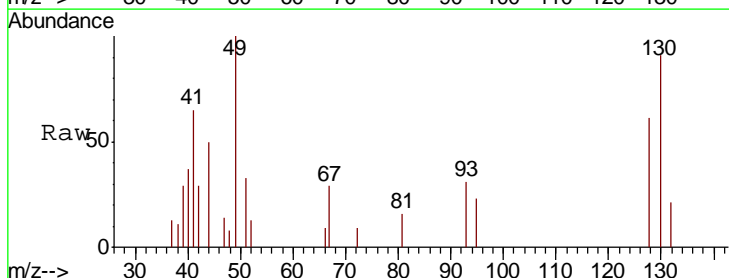
Manual Integrations
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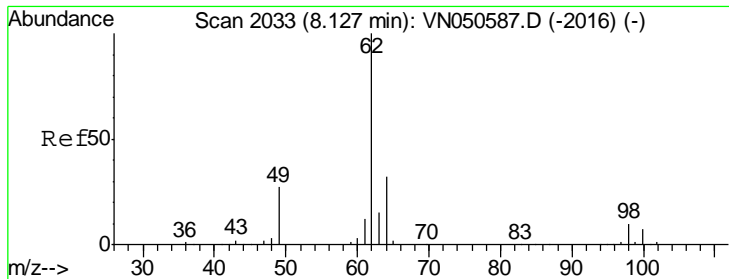
MMDadoda
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#41
Methacrylonitrile
Concen: 0.67 ug/l m
RT: 7.19 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VN050584.D
Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
41	2315		
39	49.7	44.6	66.8
67	59.9	66.7	100.1#
52	29.1	26.5	39.7





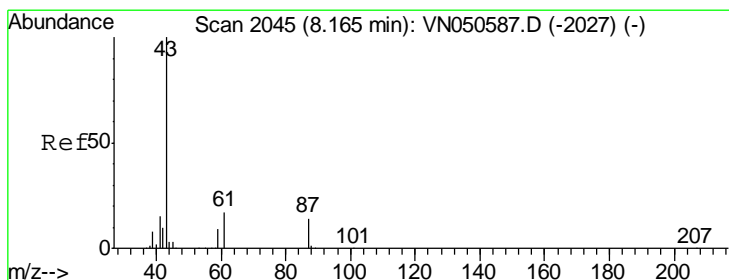
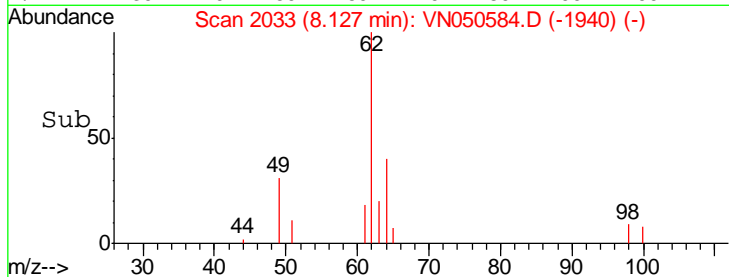
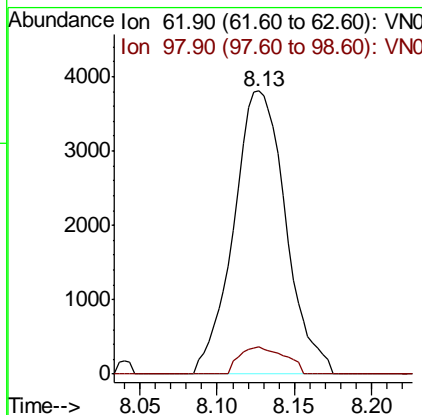
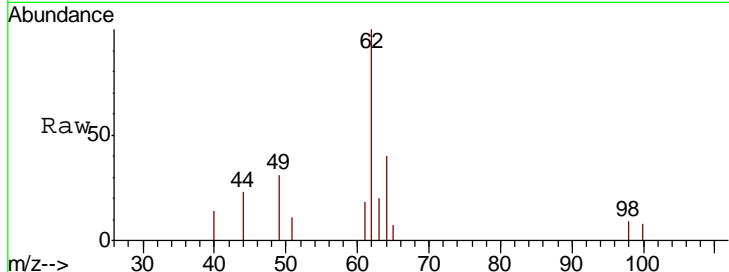
#42
 1,2-Dichloroethane
 Concen: 1.00 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	19.4

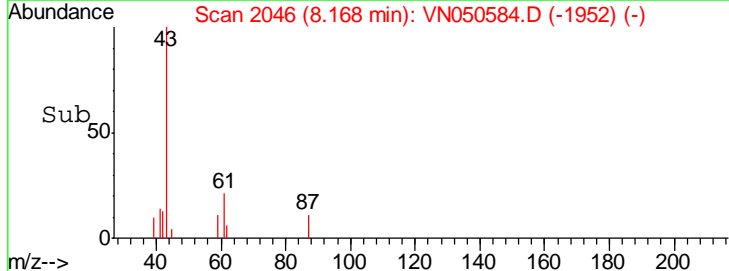
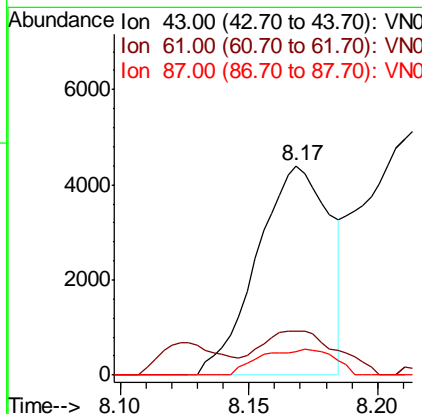
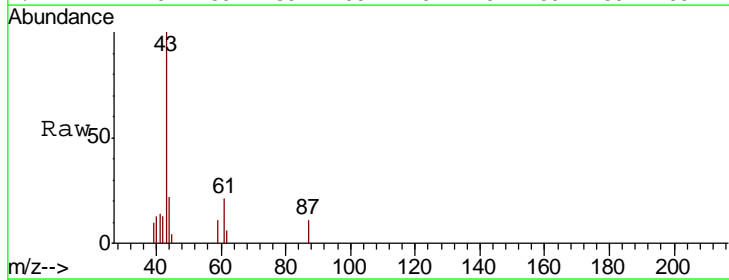
Manual Integrations
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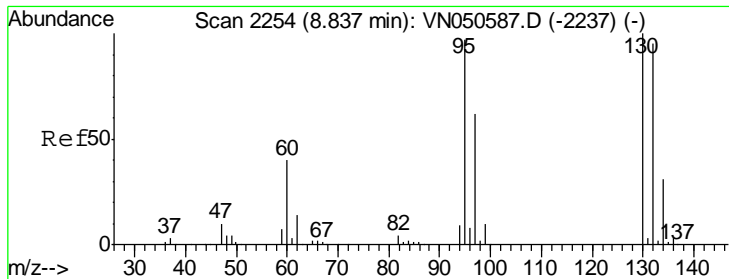
MMDadoda
 8/15/2018 3:20:52 PM



#43
 Isopropyl Acetate
 Concen: 0.78 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.2	24.2
87	12.5	10.9	16.3





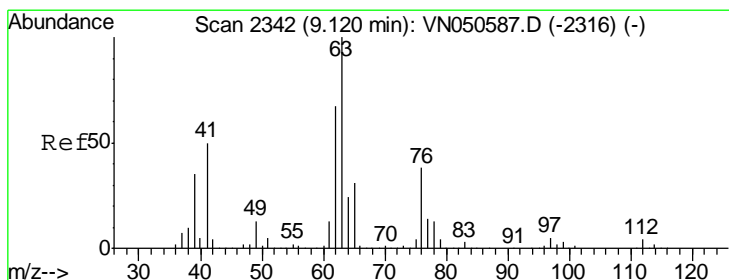
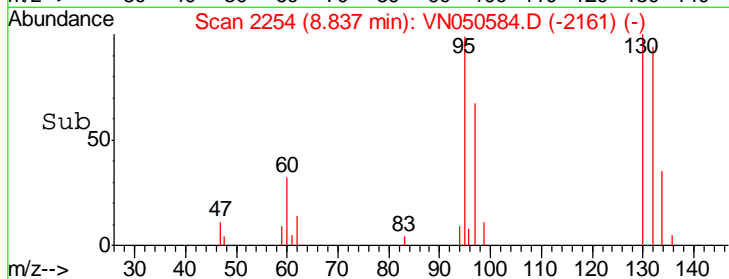
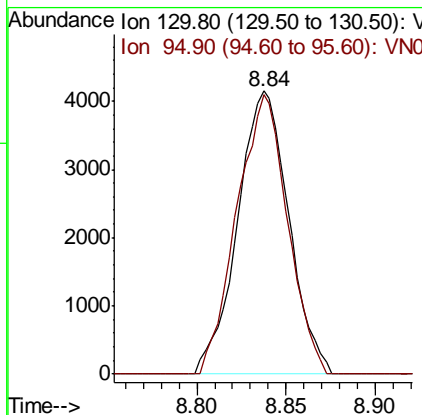
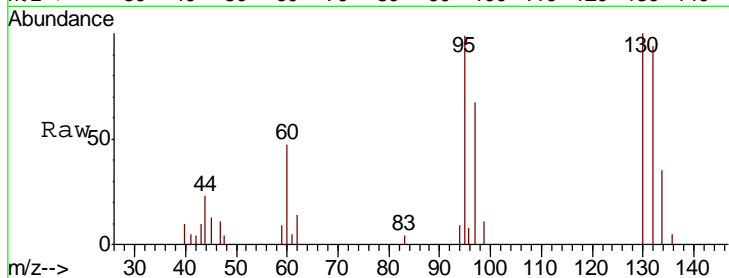
#44
 Trichloroethene
 Concen: 1.09 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
130	100		
95	98.7	0.0	193.8

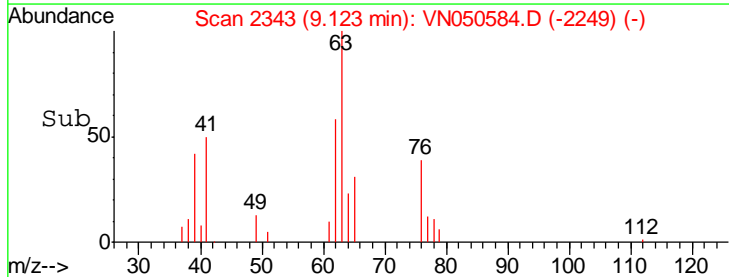
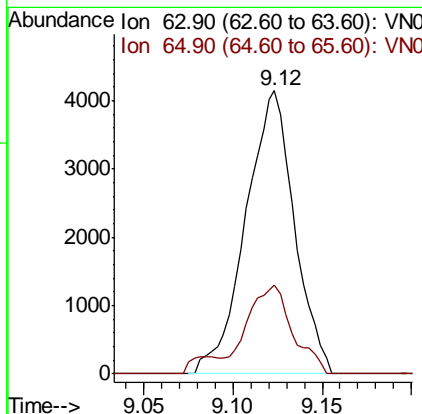
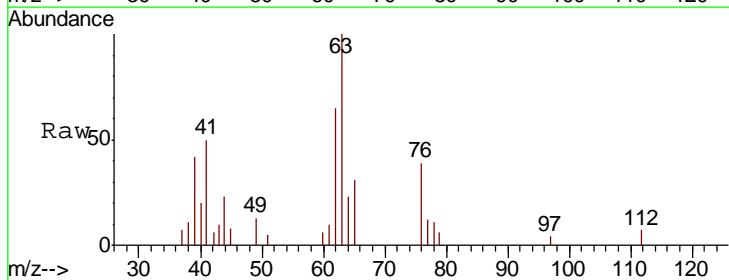
Manual Integrations
 APPROVED

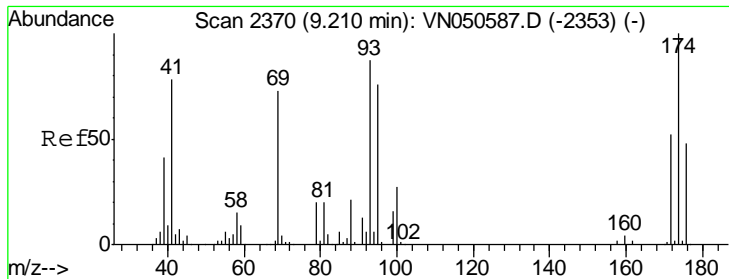
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 8/15/2018 3:20:52 PM



#45
 1,2-Dichloropropane
 Concen: 1.06 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.4	24.5	36.7





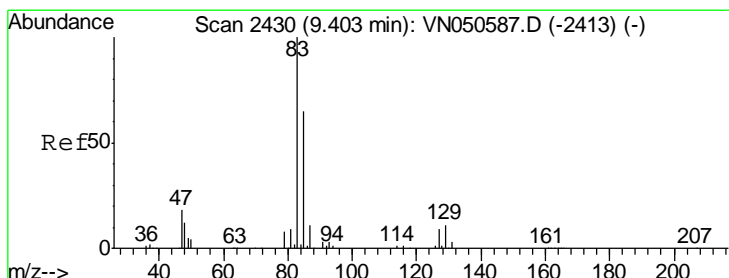
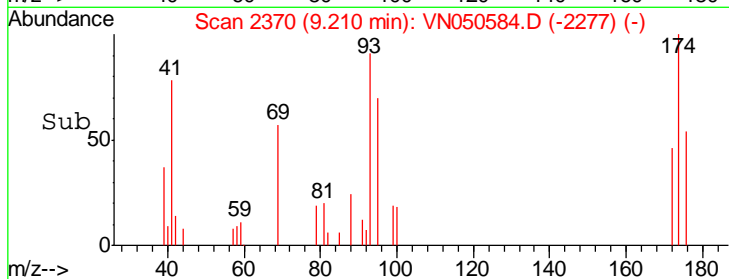
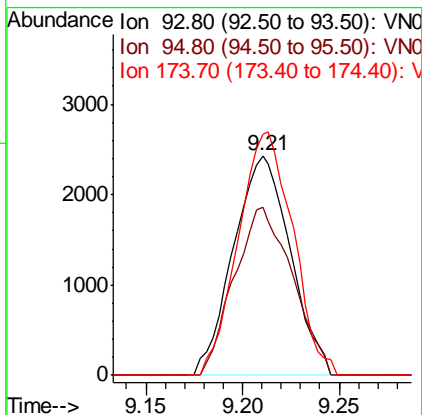
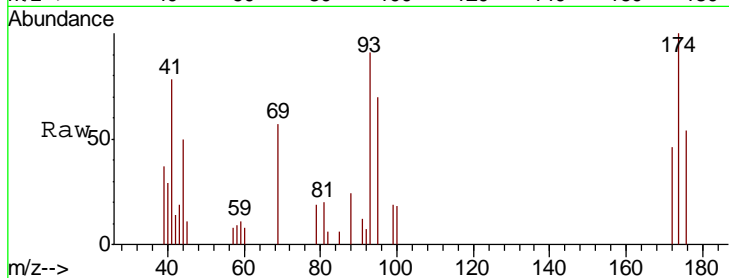
#46
 Dibromomethane
 Concen: 1.10 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
93	4982		
93	100		
95	78.4	69.1	103.7
174	106.4	91.0	136.6

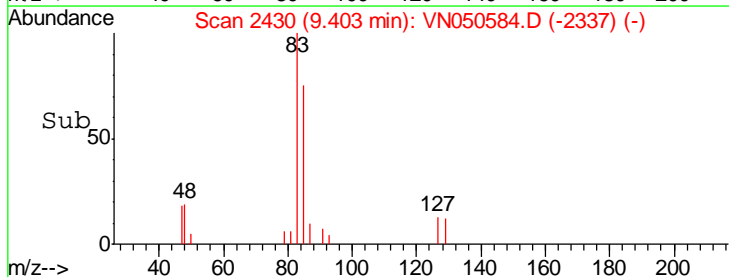
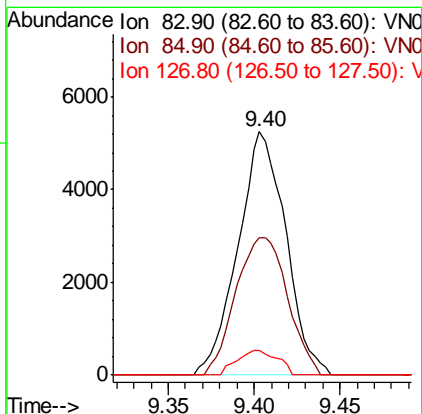
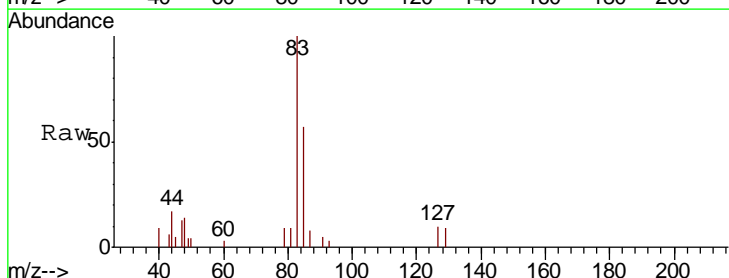
Manual Integrations
 APPROVED

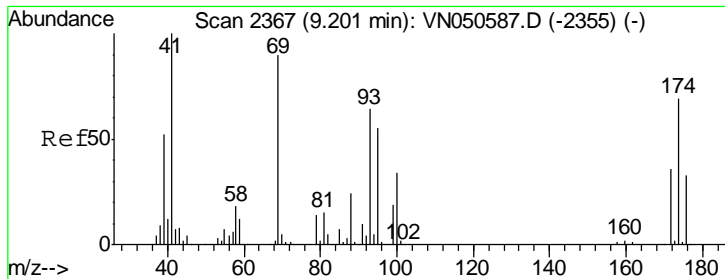
MMDadoda
 8/15/2018 3:20:52 PM



#47
 Bromodichloromethane
 Concen: 1.07 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
83	10131		
83	100		
85	56.6	51.8	77.6
127	9.9	7.2	10.8





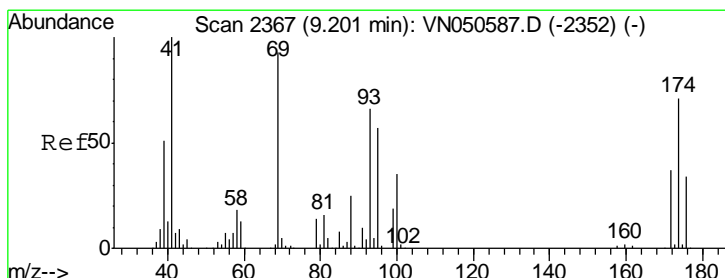
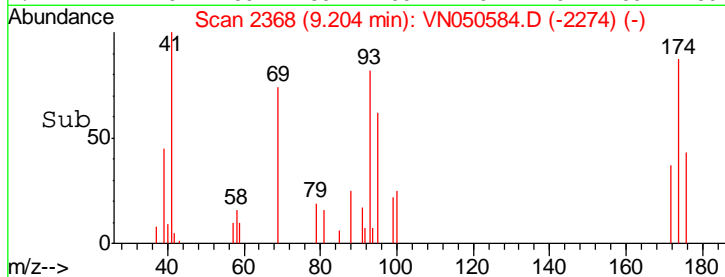
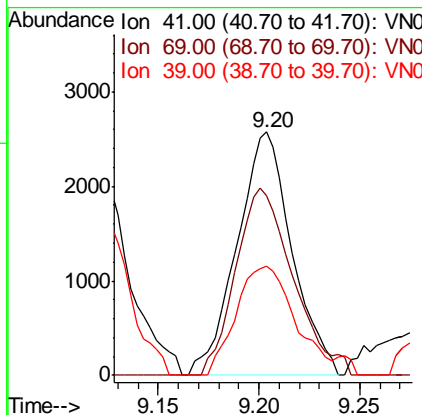
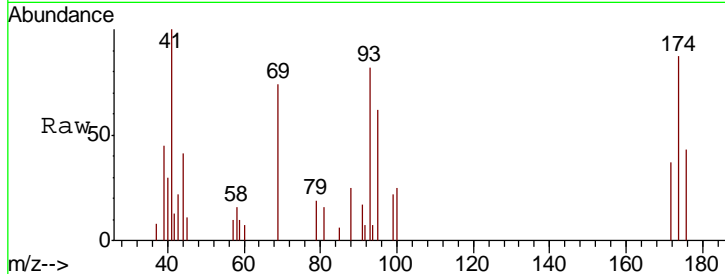
#48
 Methyl methacrylate
 Concen: 0.88 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
41	100		
69	80.3	73.4	110.0
39	48.1	43.0	64.6

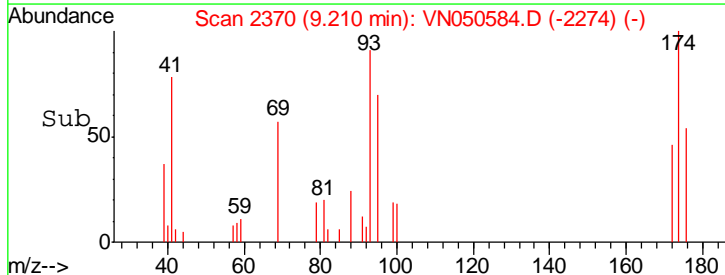
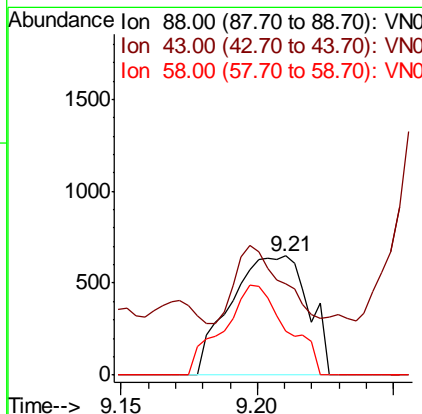
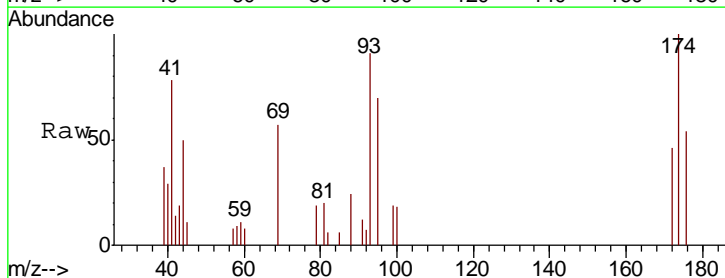
Manual Integrations
 APPROVED

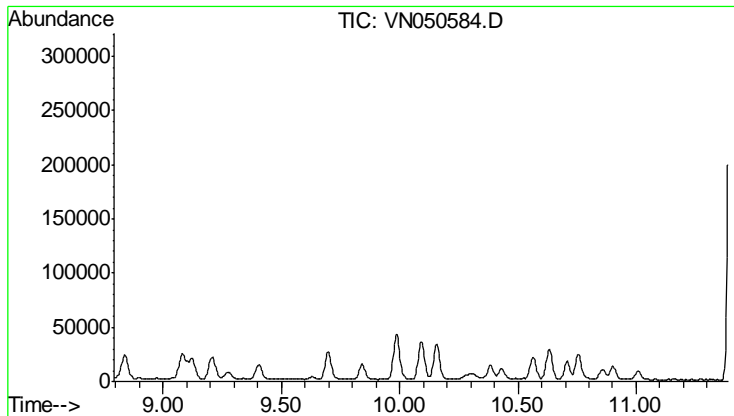
MMDadoda
 8/15/2018 3:20:52 PM



#49
 1,4-Dioxane
 Concen: 15.15 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
88	100		
43	39.1	25.9	38.9#
58	61.8	56.5	84.7



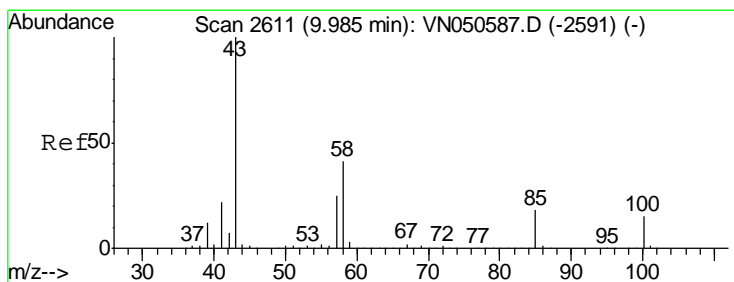
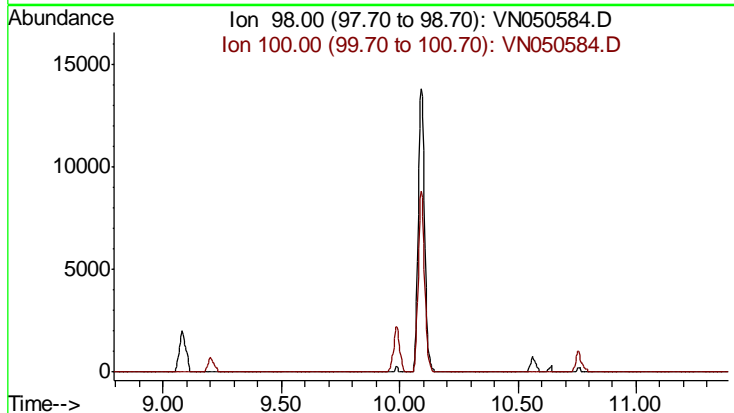


#50
 Toluene-d8
 Concen: 0.00 ug/l
 Expected RT: 10.09 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

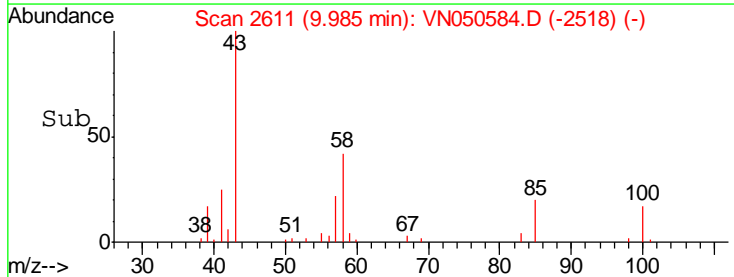
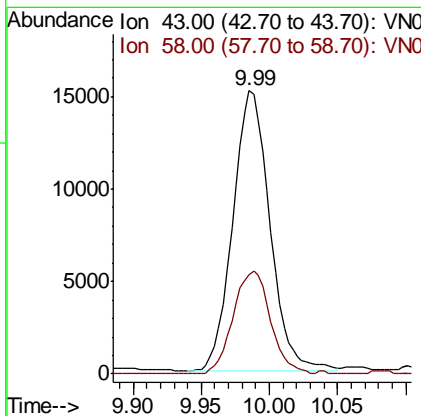
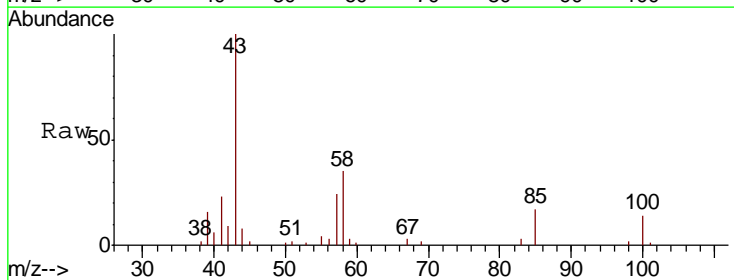
Tgt Ion	Exp Ratio
98	100
100	64.8

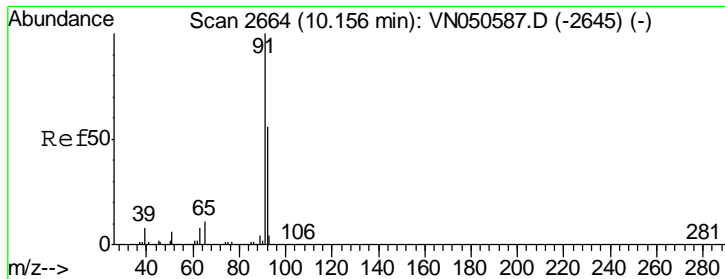
Manual Integrations
APPROVED
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#51
 4-Methyl-2-Pentanone
 Concen: 3.62 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
43	28648		
58	36.9	32.5	48.7





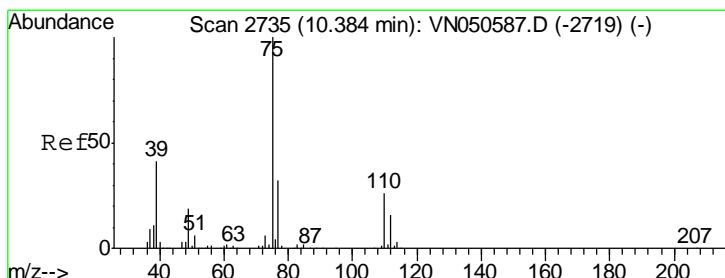
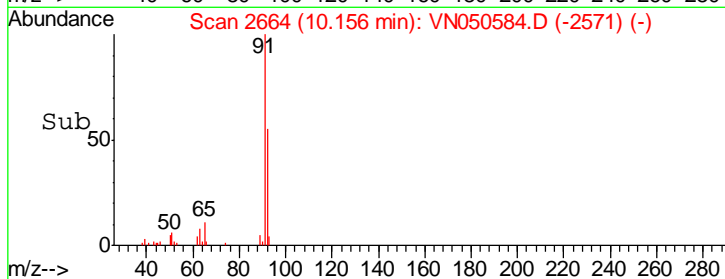
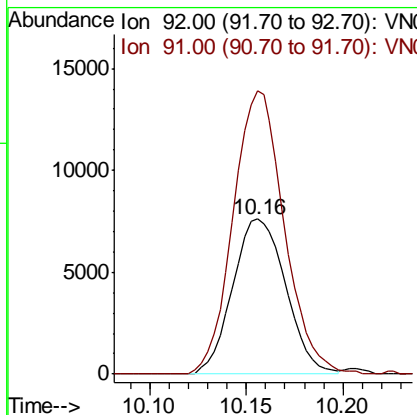
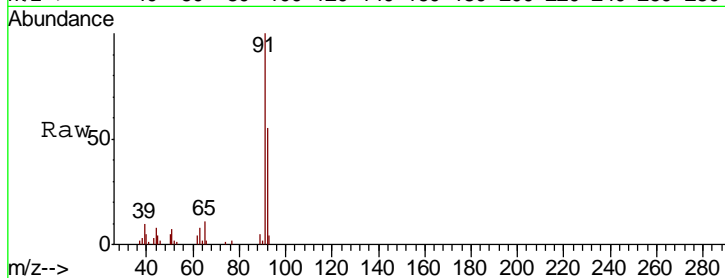
#52
 Toluene
 Concen: 0.86 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
92	14533		
92	100		
91	175.7	141.9	212.9

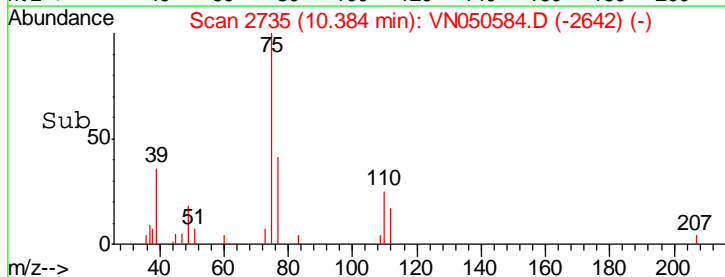
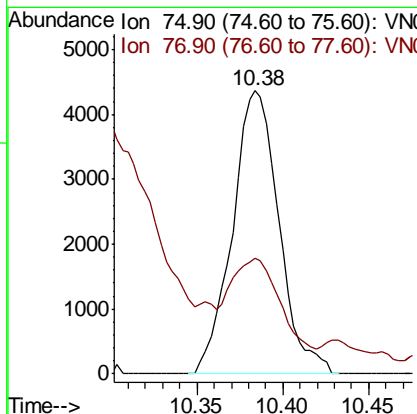
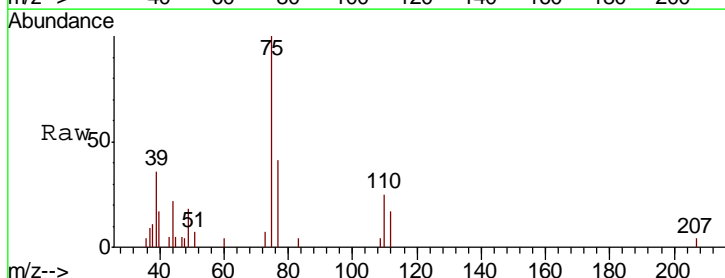
Manual Integrations
 APPROVED

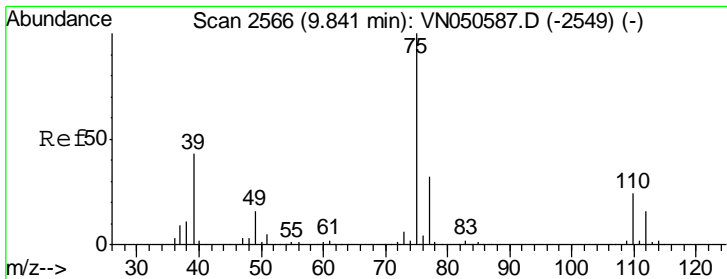
MMDadoda
 8/15/2018 3:20:52 PM



#53
 t-1,3-Dichloropropene
 Concen: 0.87 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
75	8185		
75	100		
77	28.7	25.8	38.6





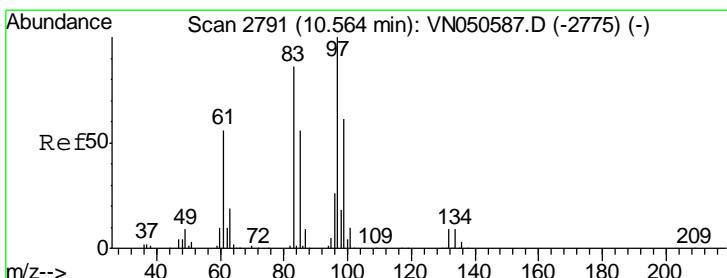
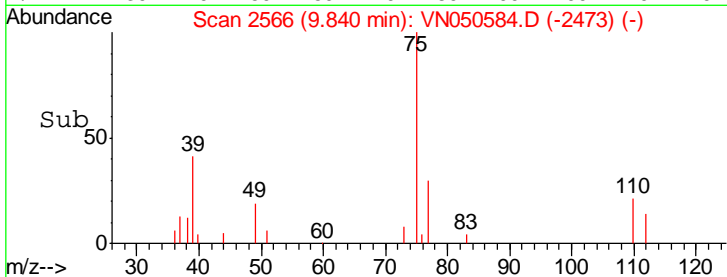
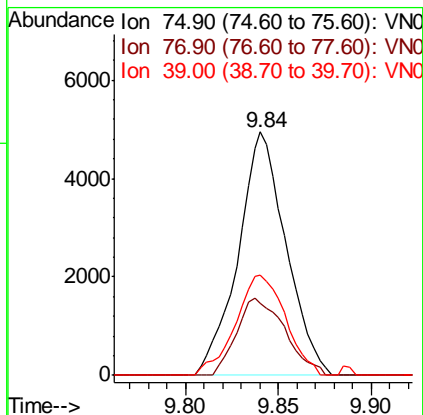
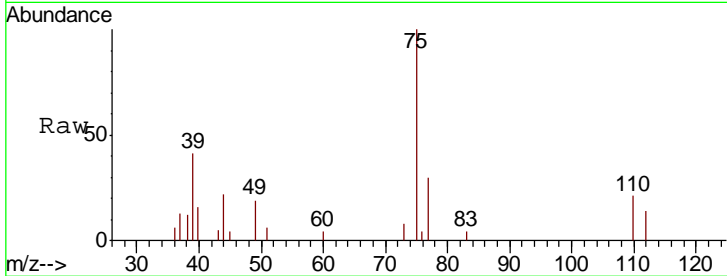
#54
 cis-1,3-Dichloropropene
 Concen: 0.84 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	100		
77	29.9	25.6	38.4
39	41.0	34.4	51.6

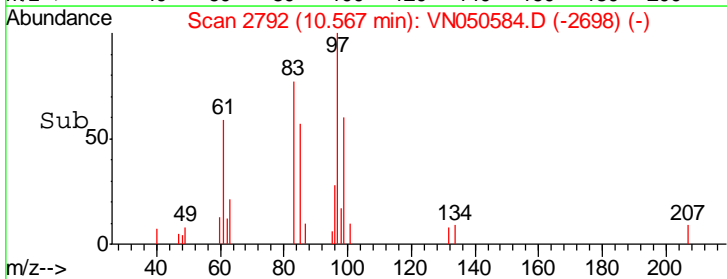
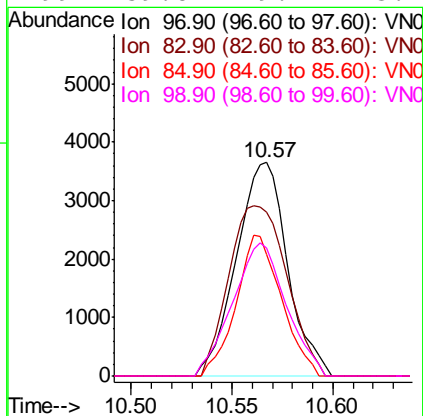
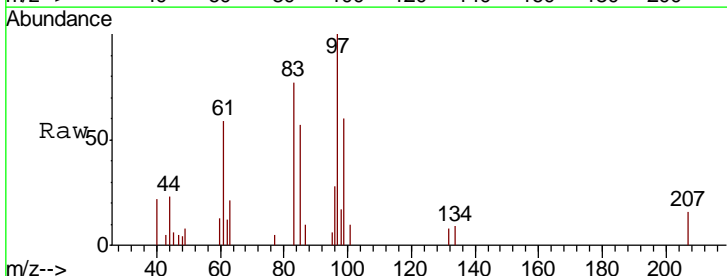
Manual Integrations
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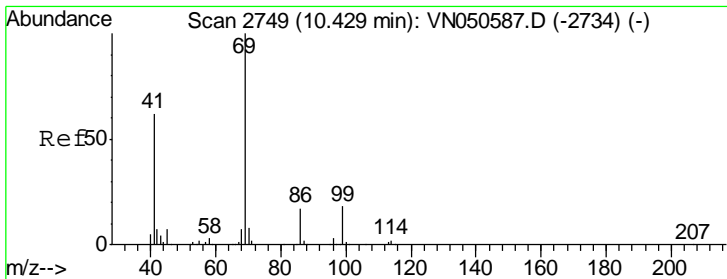
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#55
 1,1,2-Trichloroethane
 Concen: 0.99 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
97	100		
83	76.8	68.5	102.7
85	57.2	44.6	66.8
99	59.8	49.1	73.7





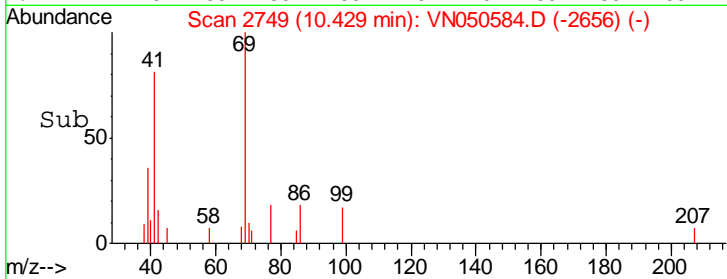
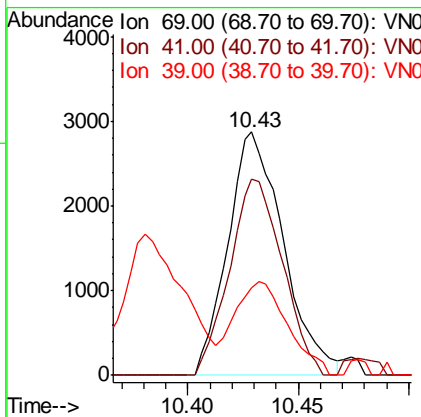
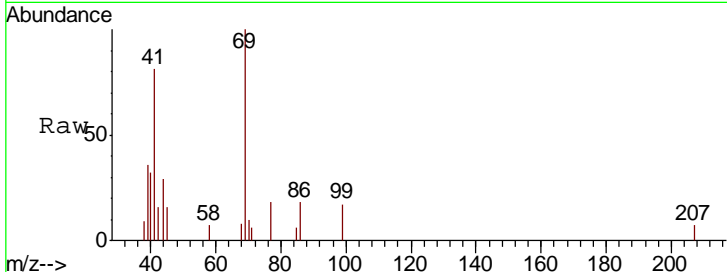
#56
 Ethyl methacrylate
 Concen: 0.62 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
69	100		
41	77.0	49.7	74.5#
39	37.5	24.2	36.2#

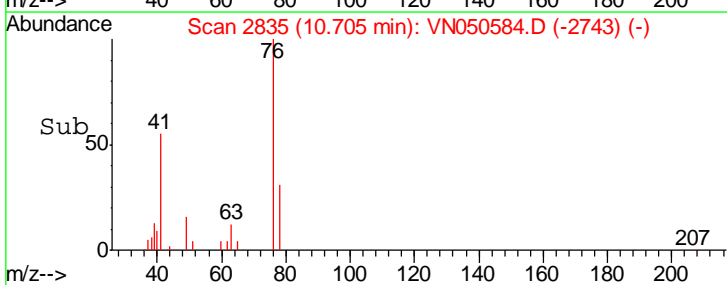
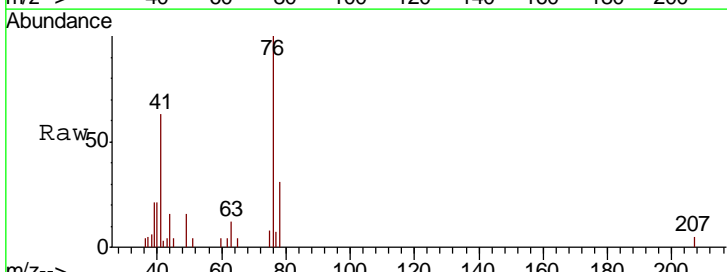
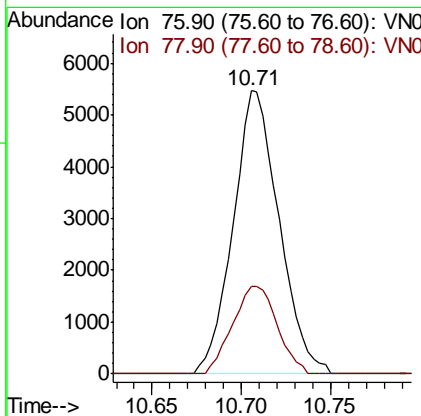
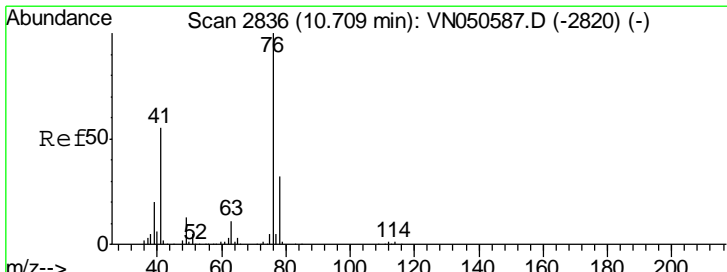
Manual Integrations
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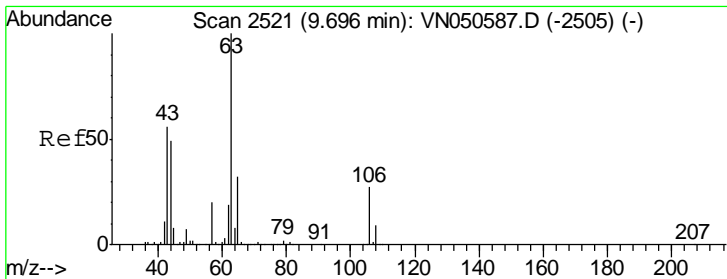
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 8/15/2018 3:20:52 PM



#57
 1,3-Dichloropropane
 Concen: 0.91 ug/l
 RT: 10.71 min Scan# 2835
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
76	100		
78	30.1	25.8	38.6





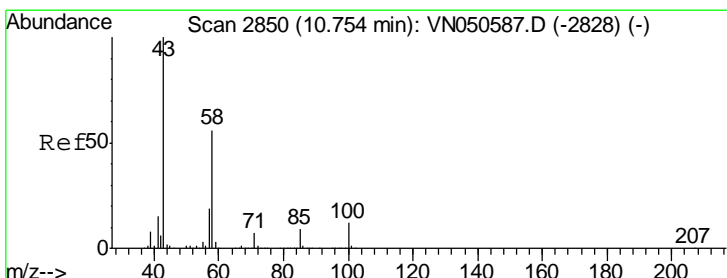
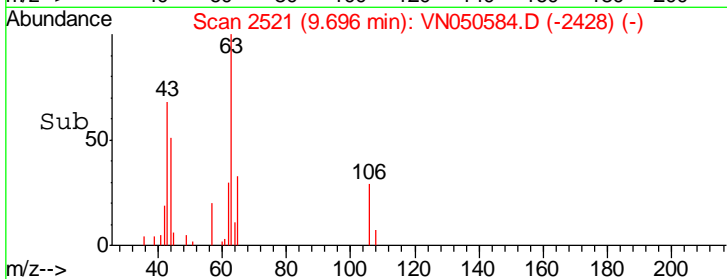
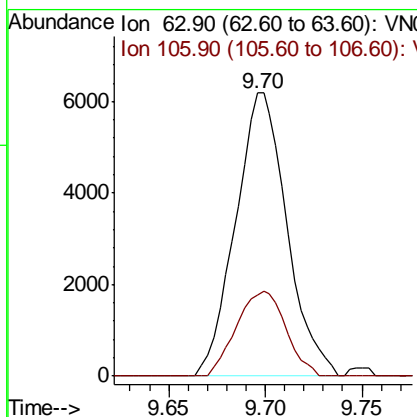
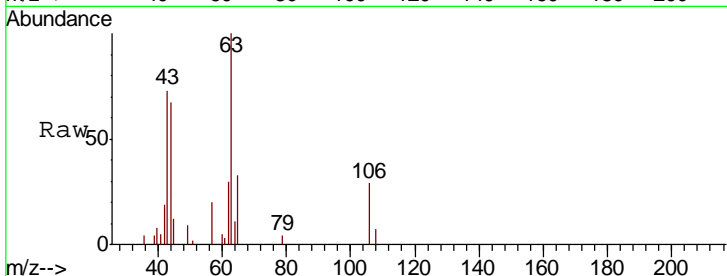
#58
 2-Chloroethyl Vinyl ether
 Concen: 2.99 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
63	11413		
63	100		
106	28.7	21.7	32.5

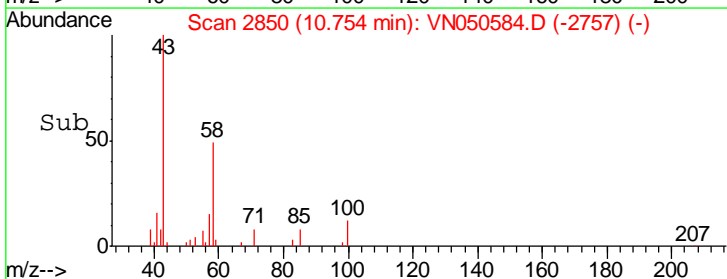
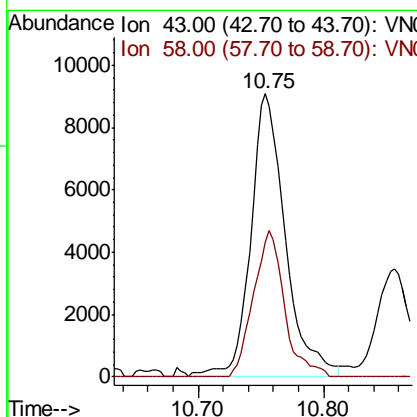
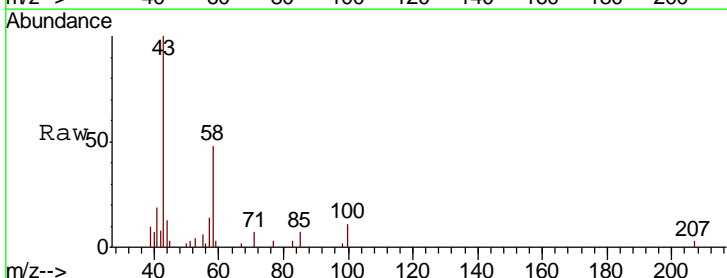
Manual Integrations
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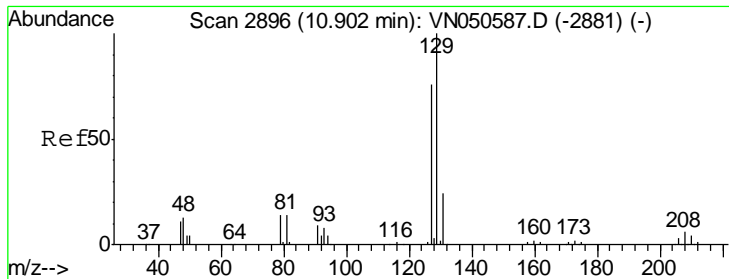
MMDadoda
 8/15/2018 3:20:52 PM



#59
 2-Hexanone
 Concen: 3.18 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
43	17482		
43	100		
58	45.9	28.0	84.0





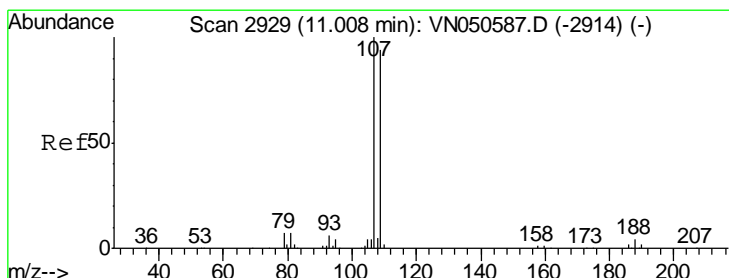
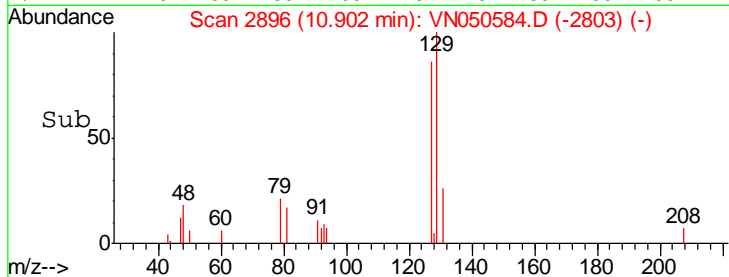
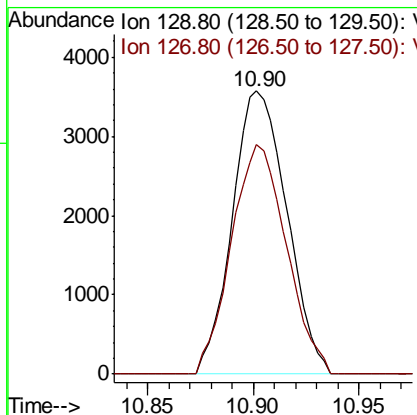
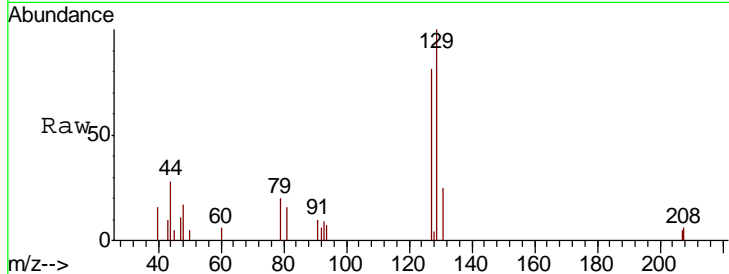
#60
 Dibromochloromethane
 Concen: 0.89 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
129	100		
127	81.9	38.9	116.7

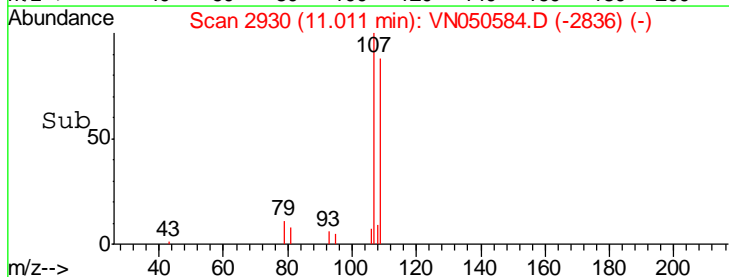
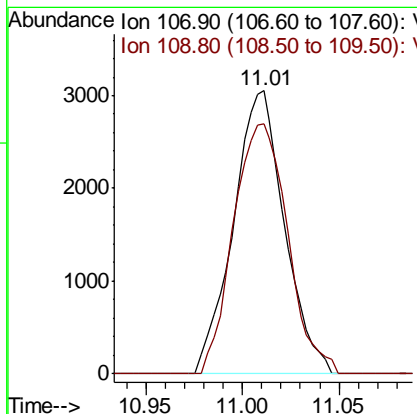
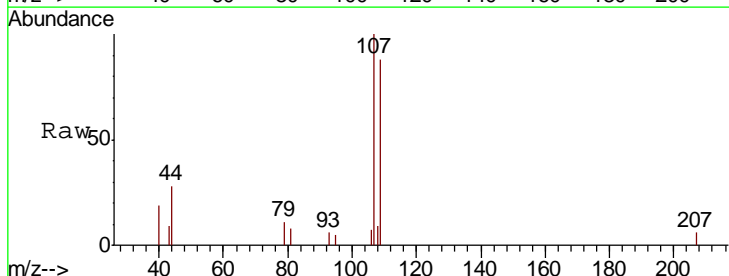
Manual Integrations
 APPROVED

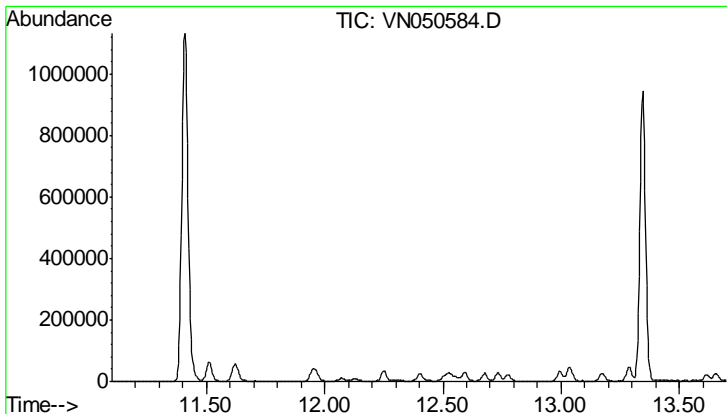
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#61
 1,2-Dibromoethane
 Concen: 0.87 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
107	100		
109	93.5	75.7	113.5



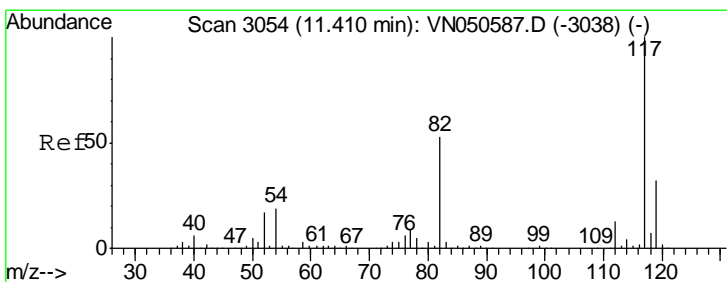
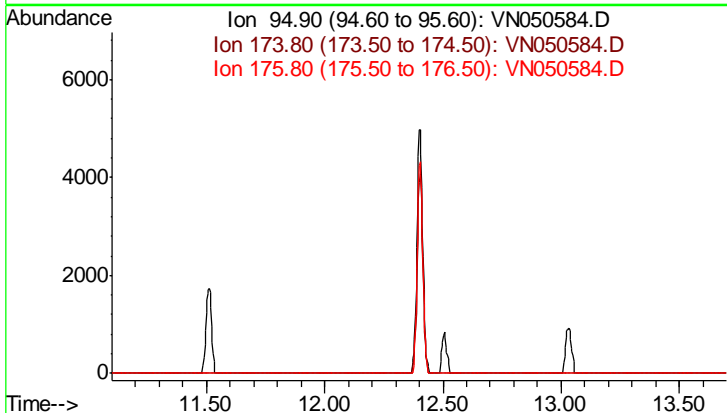


#62
 4-Bromofluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 12.40 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

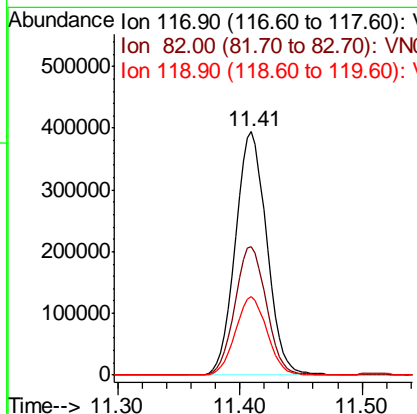
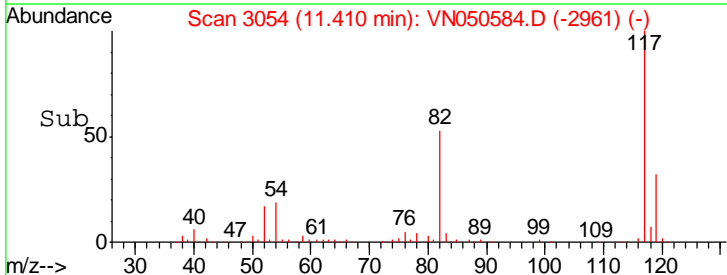
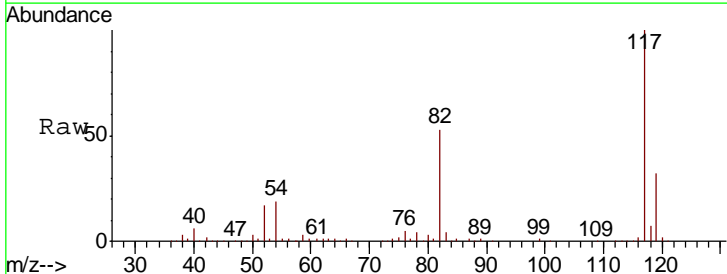
Tgt Ion	Exp Ratio
95	100
174	88.9
176	87.5

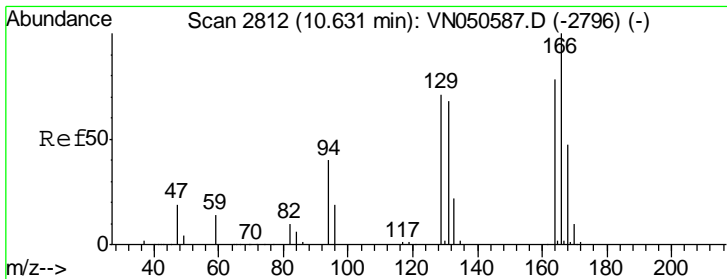
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:20:52 PM



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

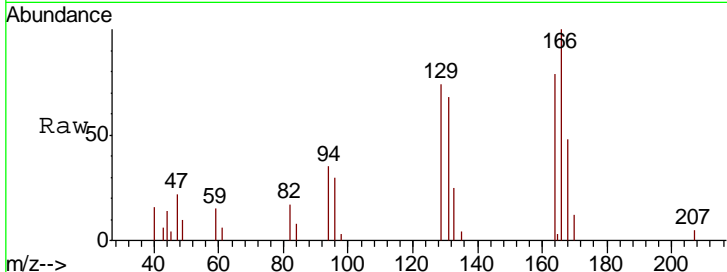
Tgt Ion	Resp	Lower	Upper
117	700821		
82	52.9	42.4	63.6
119	32.2	25.8	38.8





#64
 Tetrachloroethene
 Concen: 1.07 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

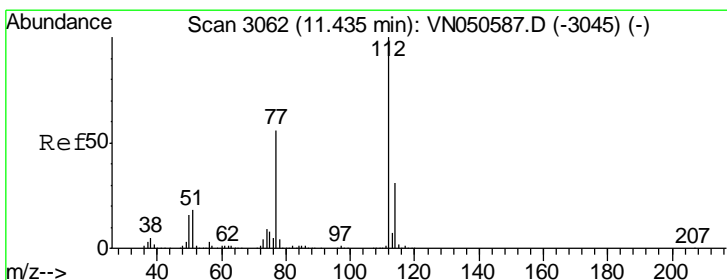
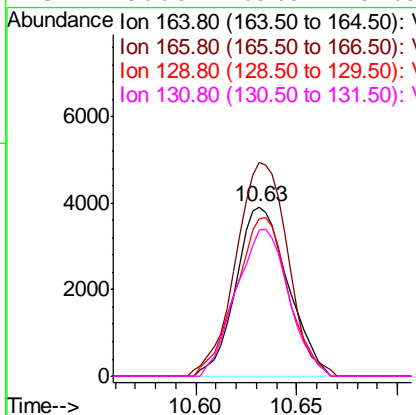
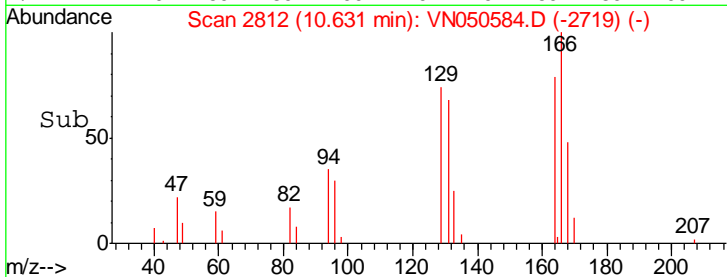
Instrument : MSVOA_N
 ClientSampled : VSTDIC001



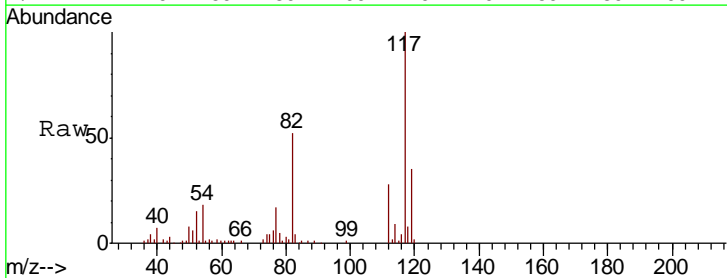
Tgt Ion: 164 Resp: 7028

Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.1	153.1
129	93.1	72.7	109.1
131	86.0	69.9	104.9

Manual Integrations APPROVED
 MMDadoda
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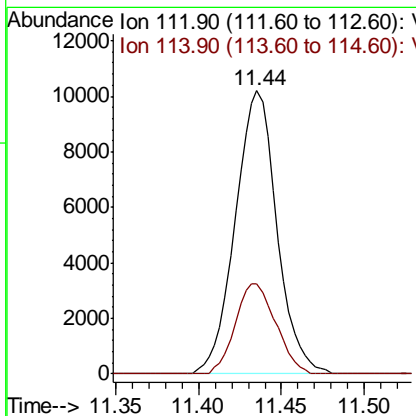
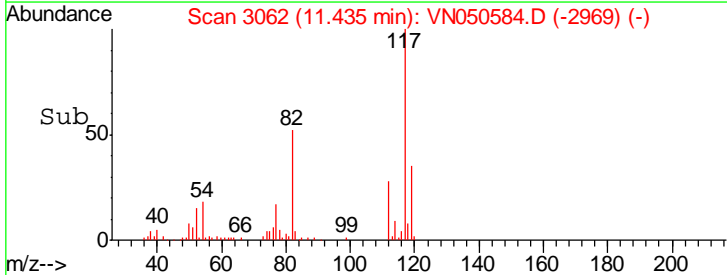


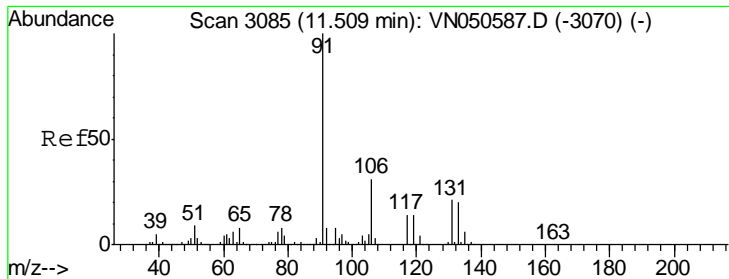
#65
 Chlorobenzene
 Concen: 1.01 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46



Tgt Ion: 112 Resp: 17775

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.2	37.8





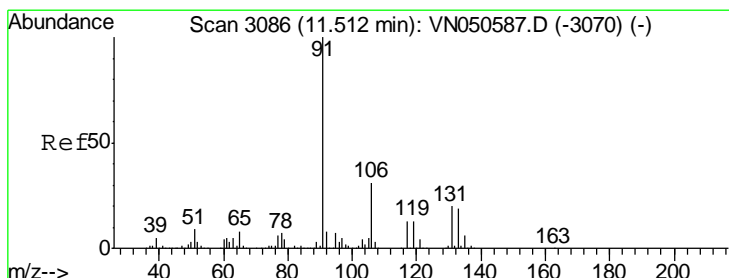
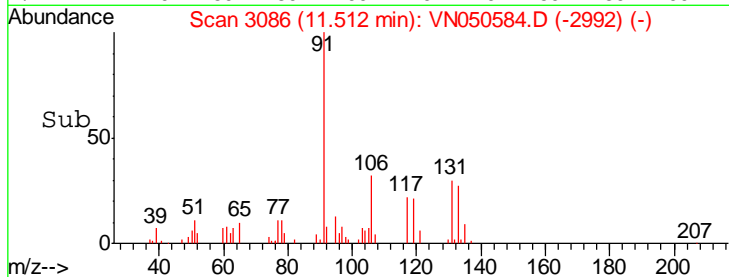
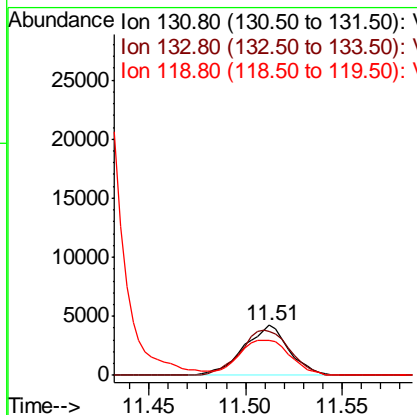
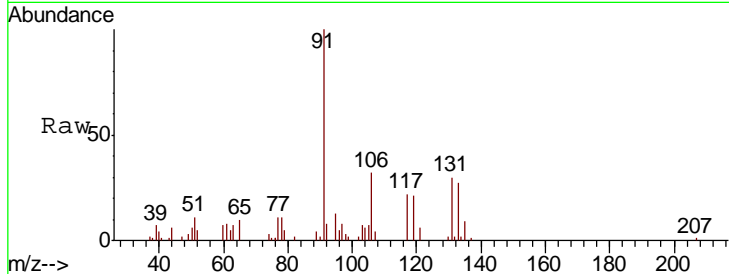
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.08 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
131	6904		
131	100		
133	97.8	47.6	142.9
119	0.0	33.1	99.3#

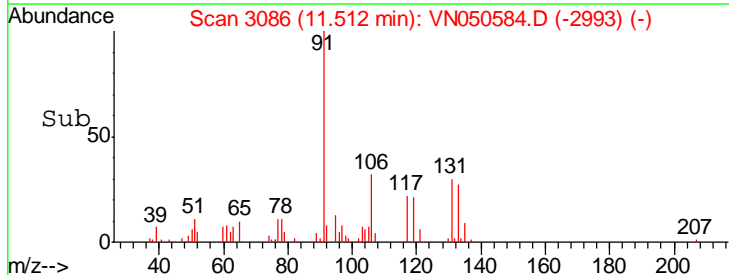
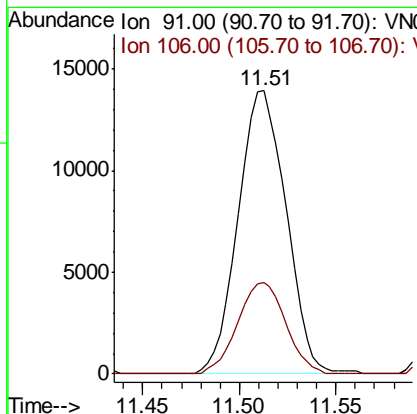
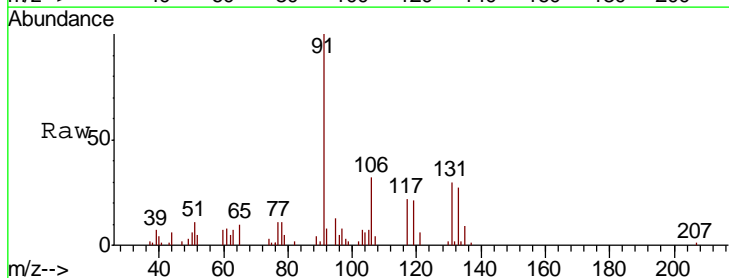
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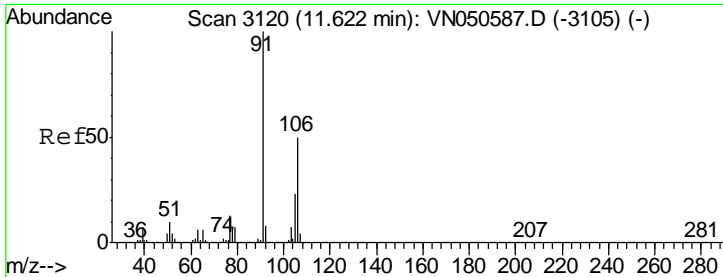
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#67
 Ethyl Benzene
 Concen: 0.85 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
91	24023		
91	100		
106	32.1	24.8	37.2





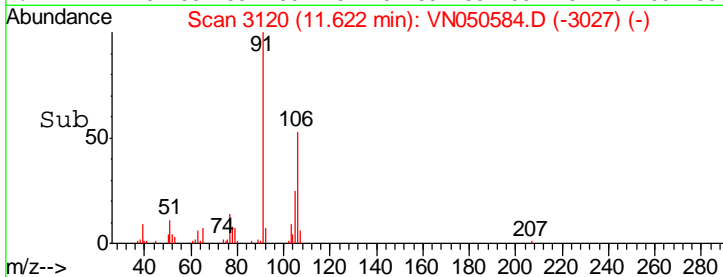
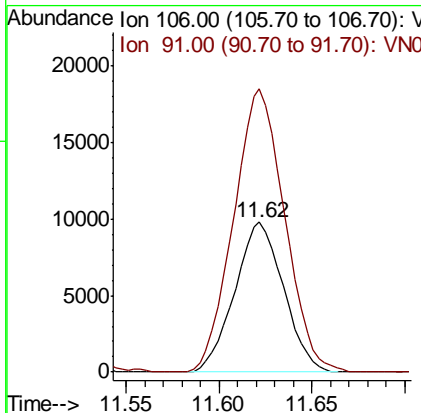
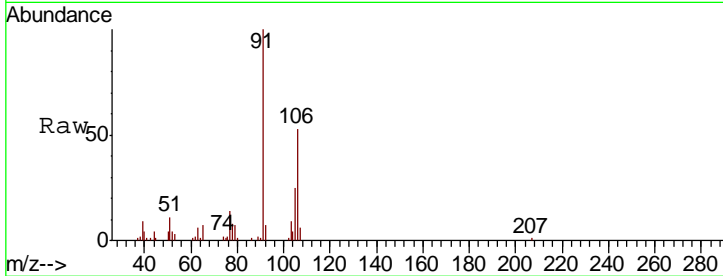
#68
 m/p-Xylenes
 Concen: 1.65 ug/l
 RT: 11.62 min Scan# 3120
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
106	17865		
106	100		
91	197.5	161.5	242.3

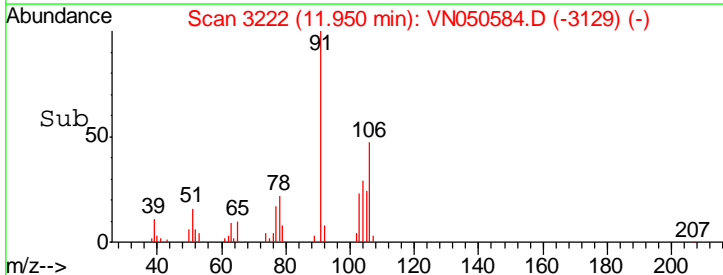
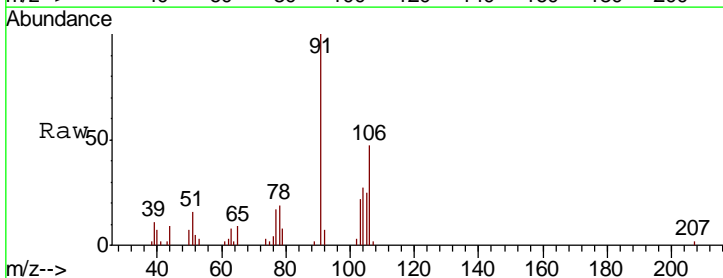
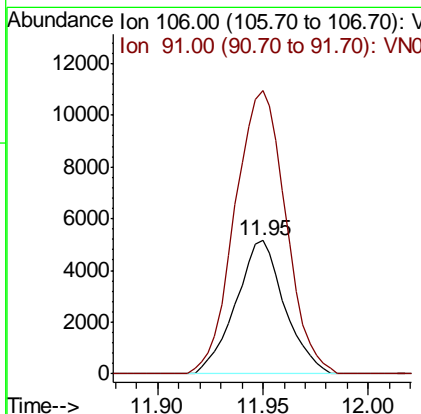
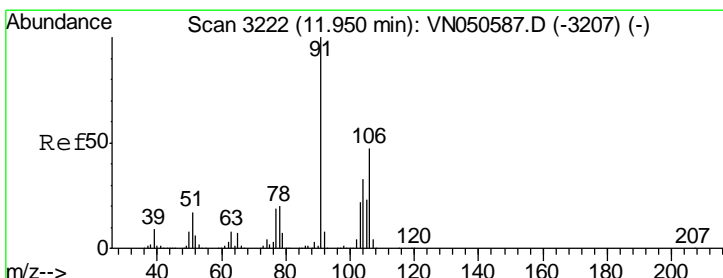
Manual Integrations
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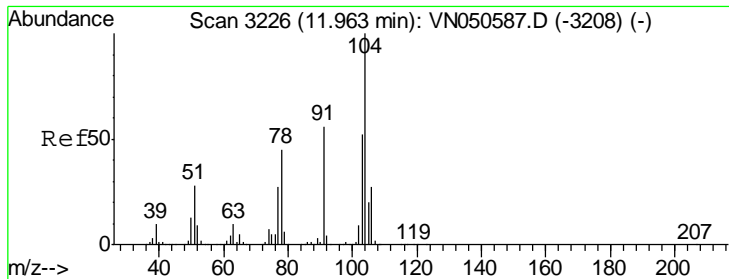
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#69
 o-Xylene
 Concen: 0.79 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
106	8274		
106	100		
91	222.0	106.8	320.4





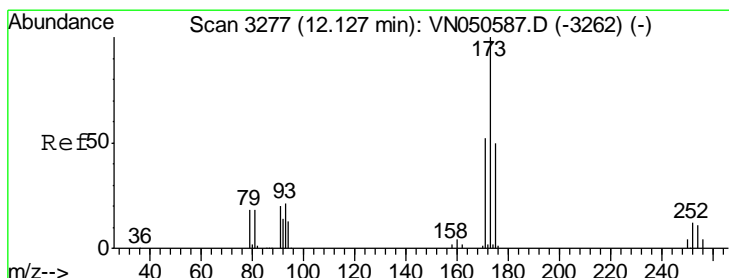
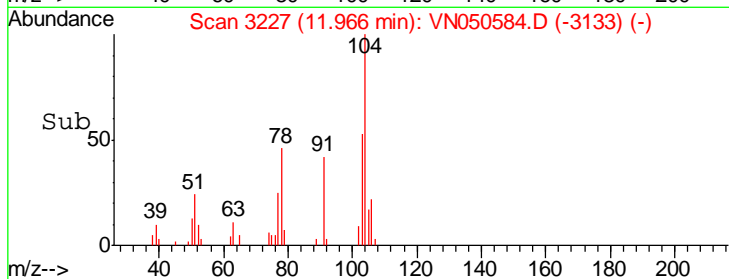
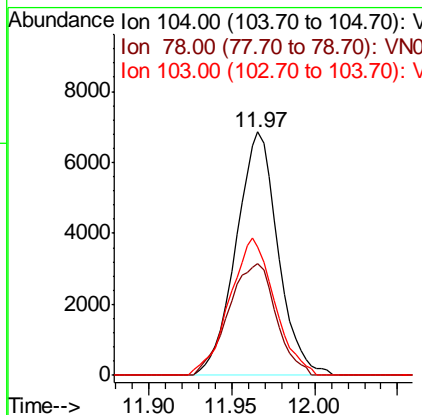
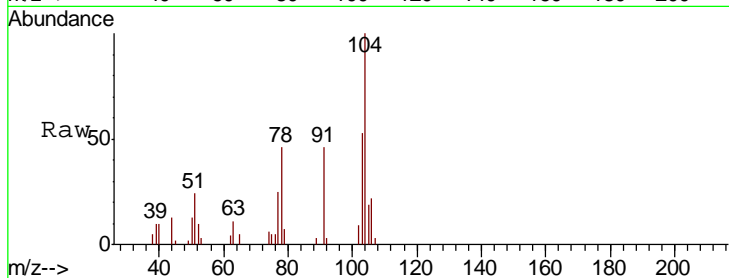
#70
 Styrene
 Concen: 0.71 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
104	12039		
78	51.8	39.1	58.7
103	60.5	44.9	67.3

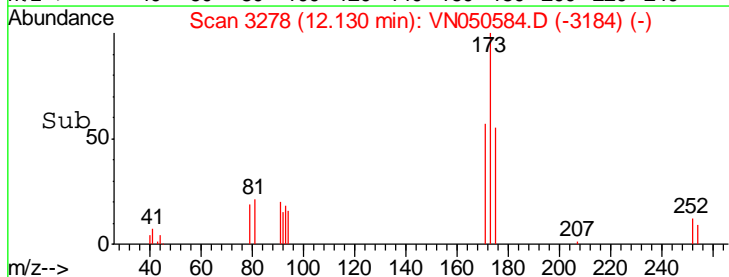
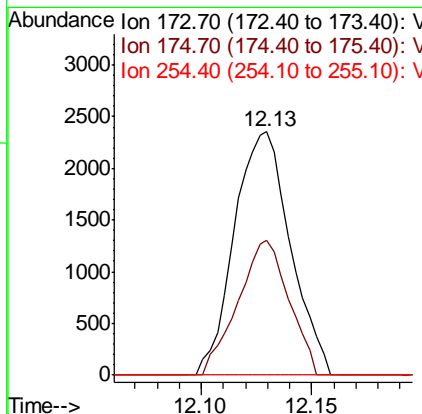
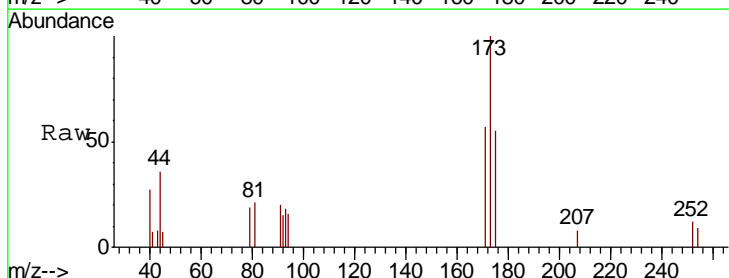
Manual Integrations
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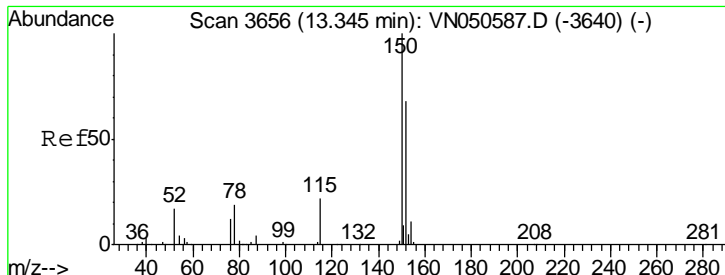
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#71
 Bromoform
 Concen: 0.90 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
173	4144		
175	50.3	24.4	73.2
254	0.0	0.0	0.0





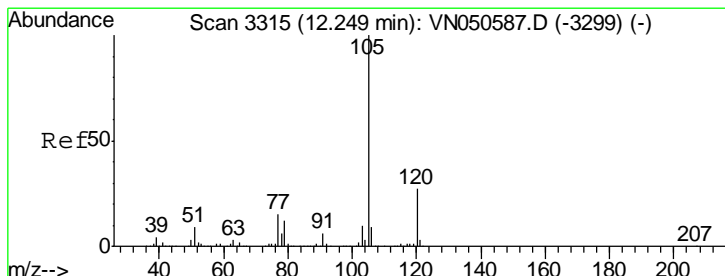
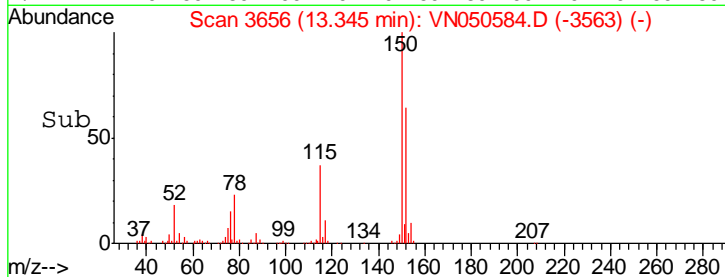
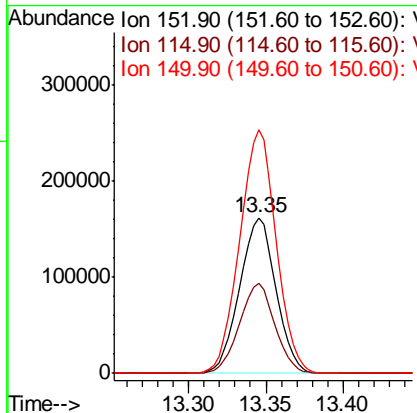
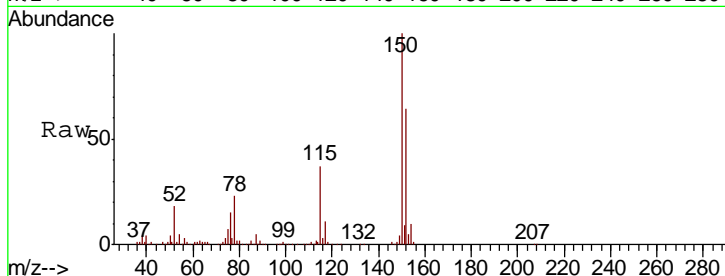
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
152	264108		
152	100		
115	56.4	28.1	84.2
150	157.6	0.0	347.8

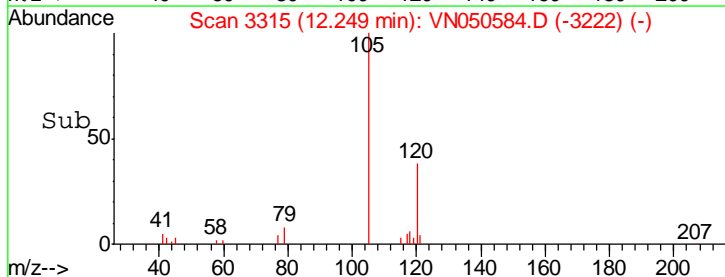
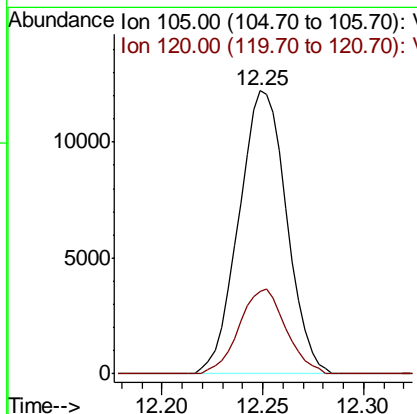
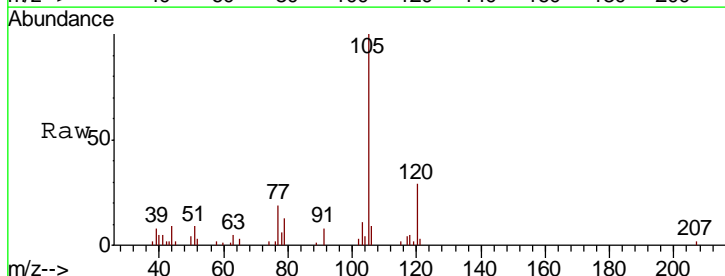
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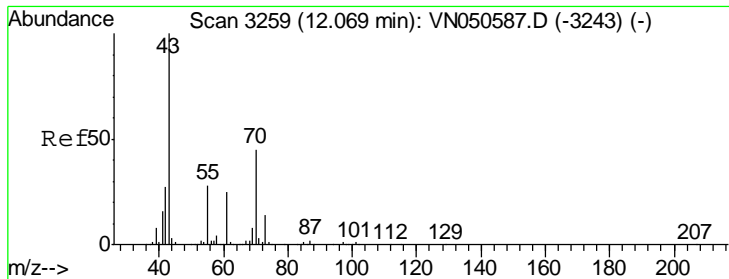
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#73
 Isopropylbenzene
 Concen: 1.02 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
105	20276		
105	100		
120	29.3	13.4	40.1





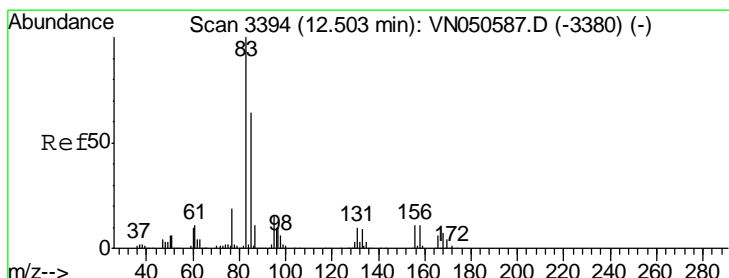
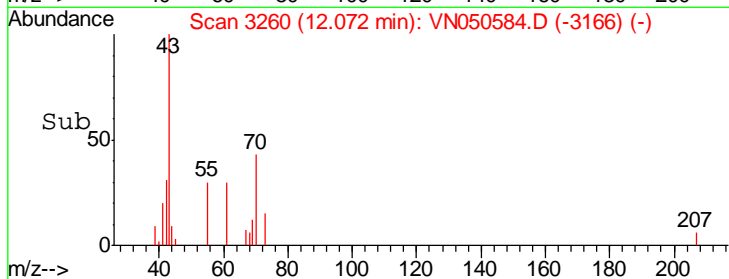
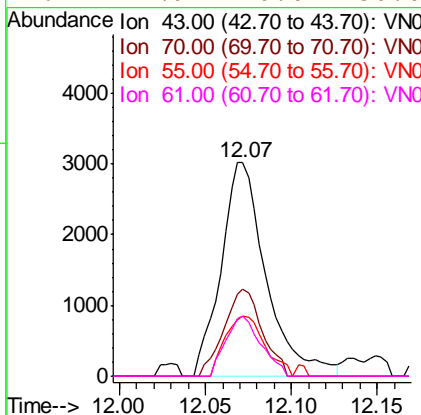
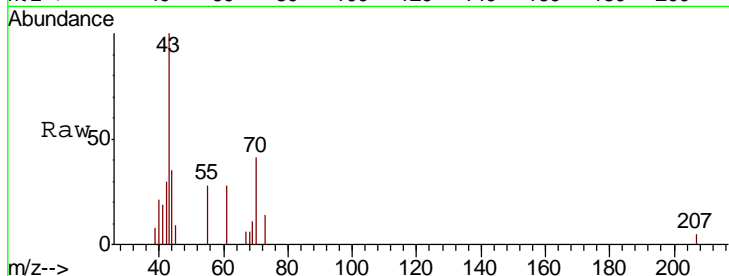
#74
 N-amyl acetate
 Concen: 0.88 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
43	100		
70	34.4	35.9	53.9#
55	24.7	22.2	33.4
61	21.9	20.0	30.0

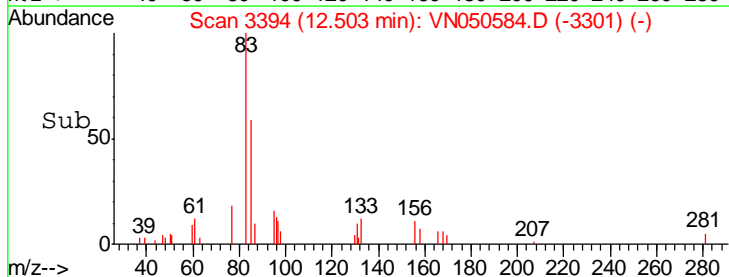
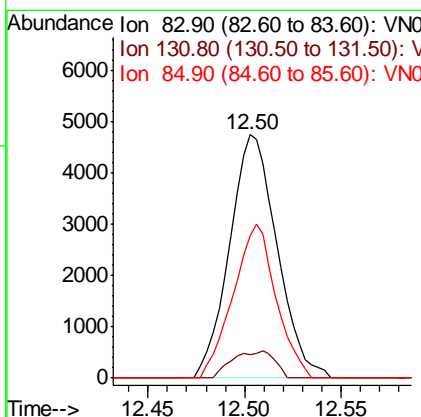
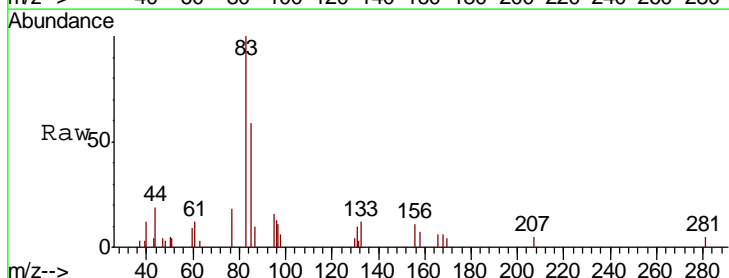
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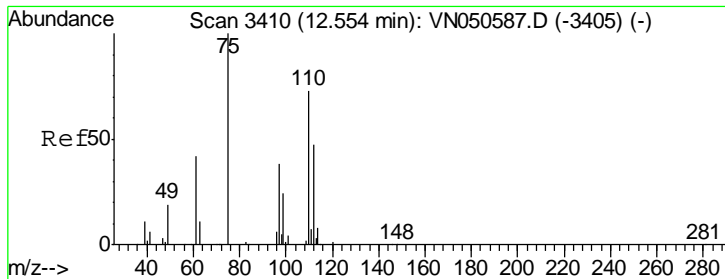
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#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.44 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
83	100		
131	9.9	5.3	15.9
85	57.0	32.1	96.5





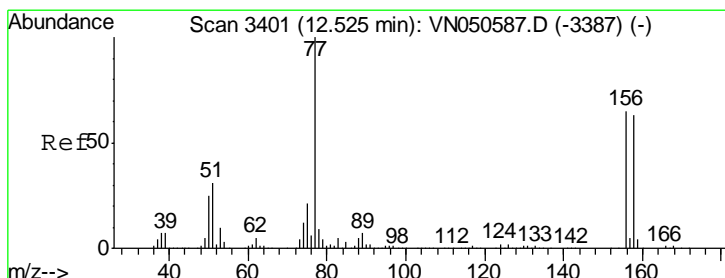
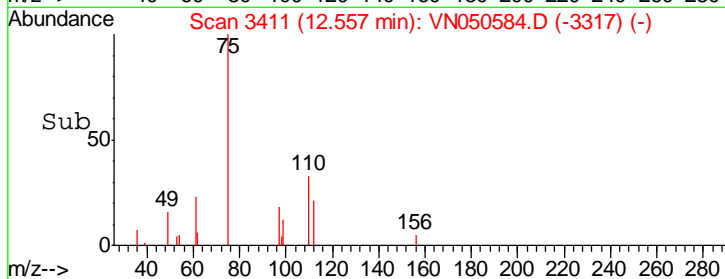
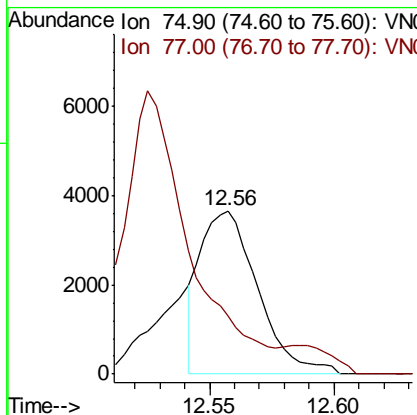
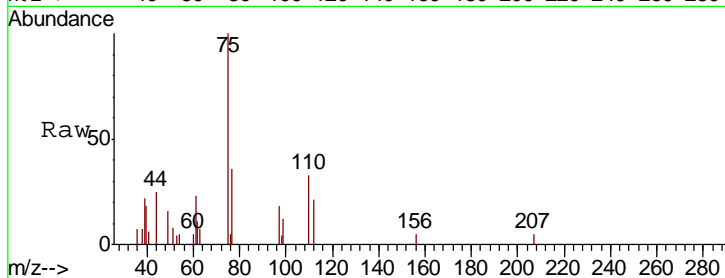
#76
 1,2,3-Trichloropropane
 Concen: 1.24 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

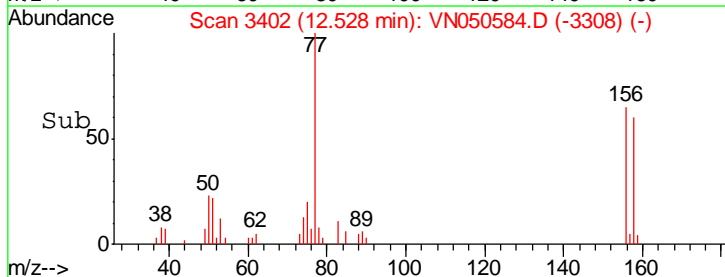
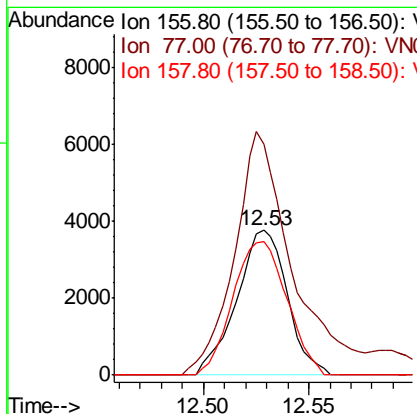
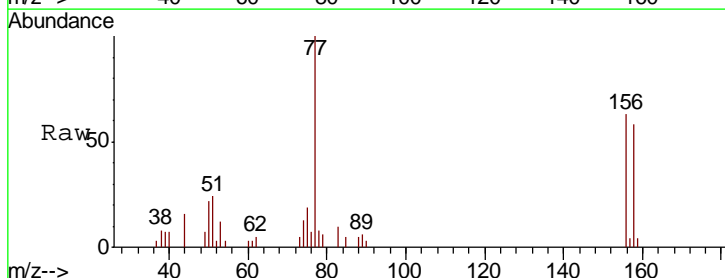
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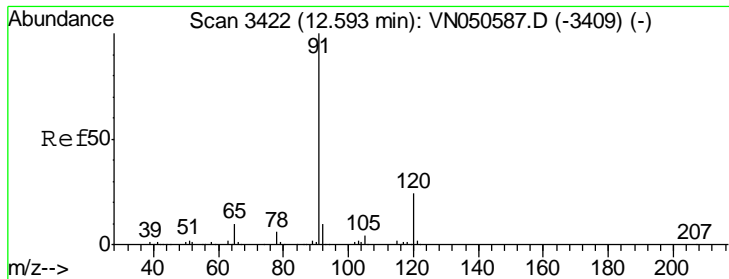
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#77
 Bromobenzene
 Concen: 1.18 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
156	100		
77	192.5	89.0	267.1
158	98.5	48.5	145.6





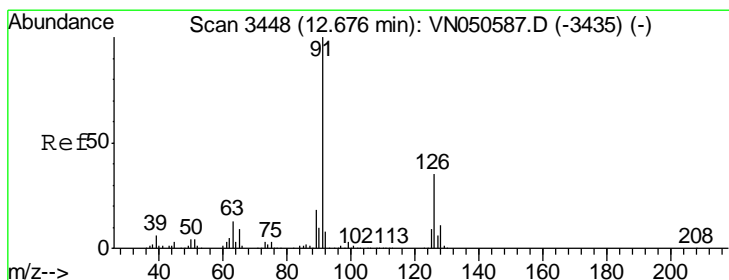
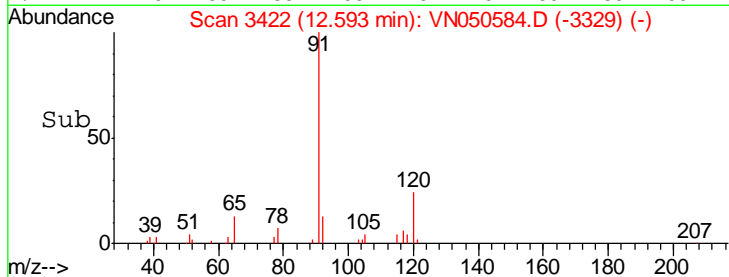
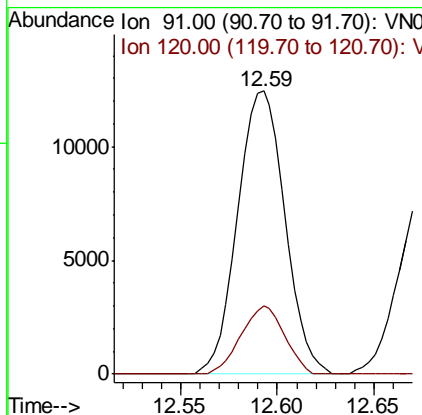
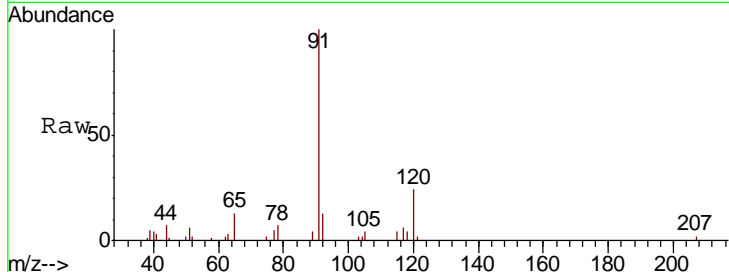
#78
 n-propylbenzene
 Concen: 0.94 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	100		
120	22.1	11.8	35.4

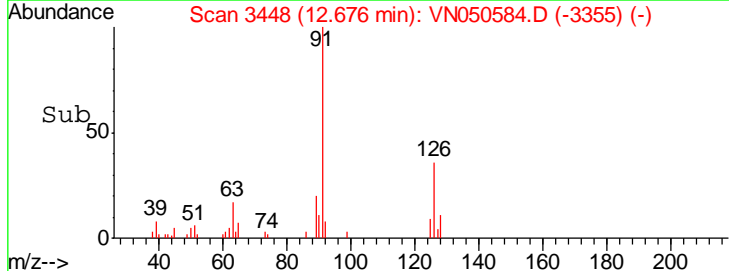
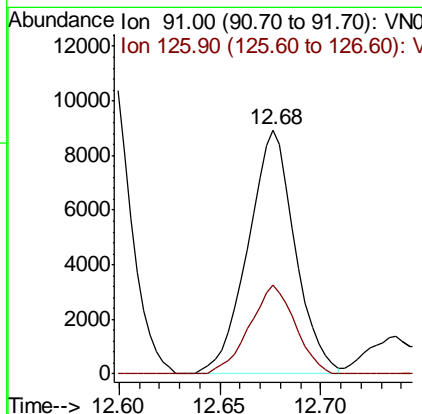
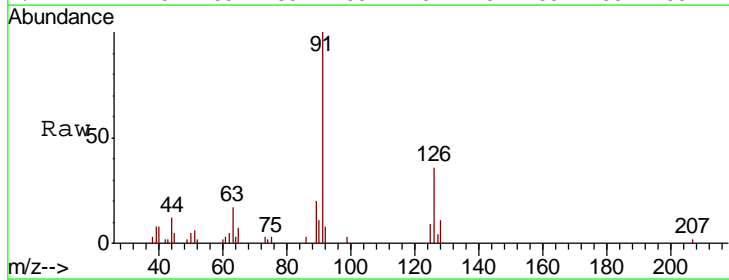
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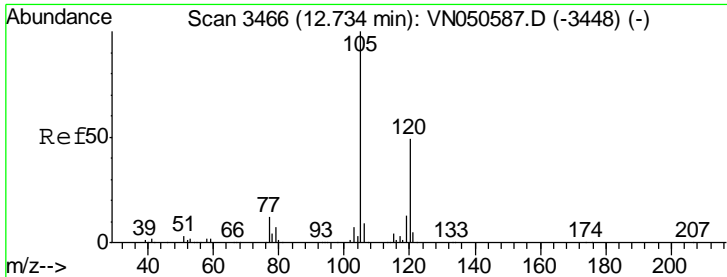
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#79
 2-Chlorotoluene
 Concen: 1.04 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.3	17.6	52.8





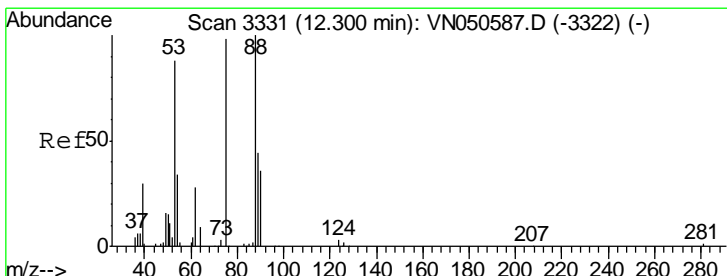
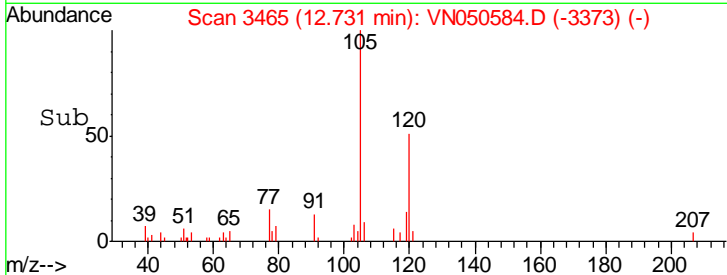
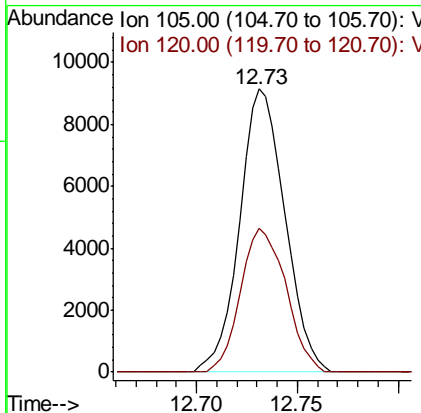
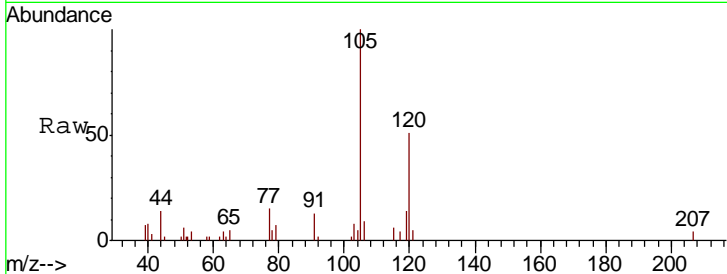
#80
 1,3,5-Trimethylbenzene
 Concen: 0.89 ug/l
 RT: 12.73 min Scan# 3465
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	14373		
120	50.9	24.7	74.1

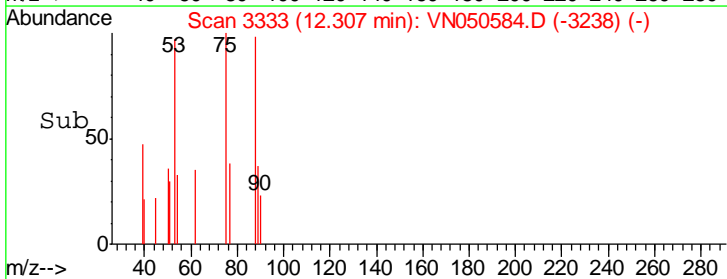
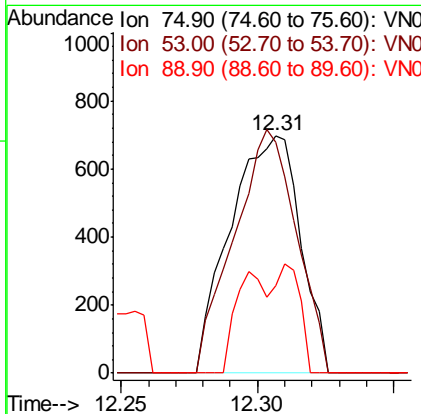
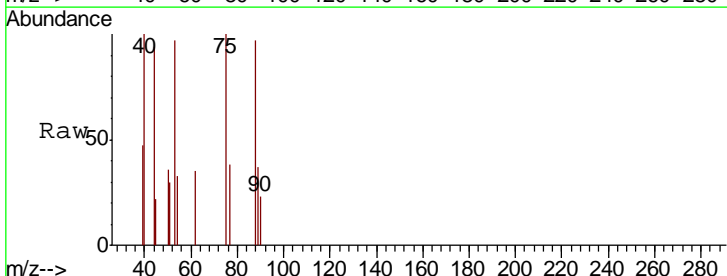
Manual Integrations
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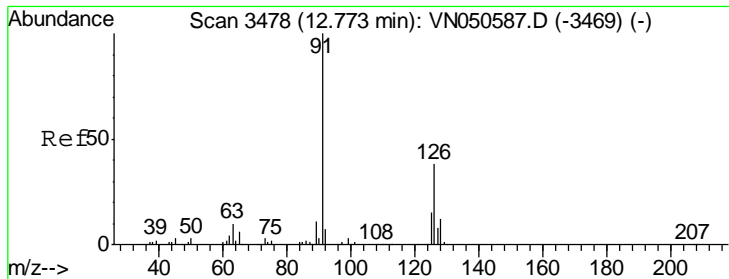
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 8/15/2018 3:20:52 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.94 ug/l
 RT: 12.31 min Scan# 3333
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
75	1245		
75	100		
53	91.3	72.2	108.2
89	17.0	36.3	54.5#





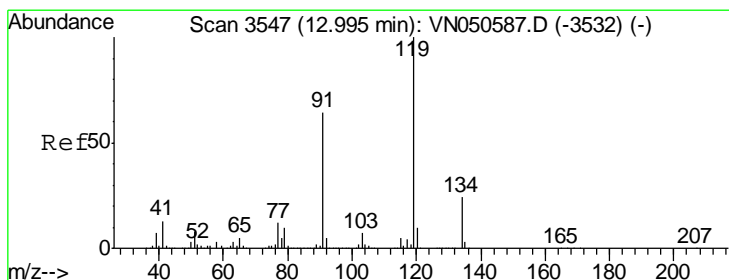
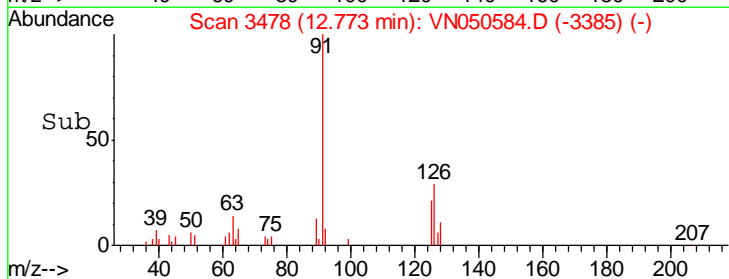
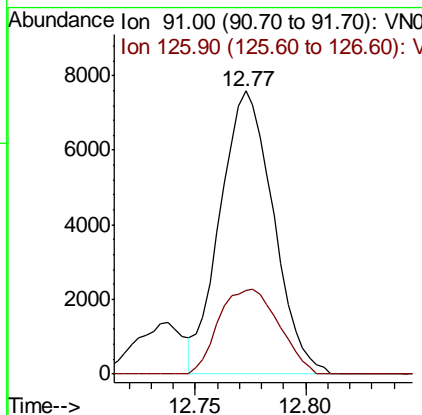
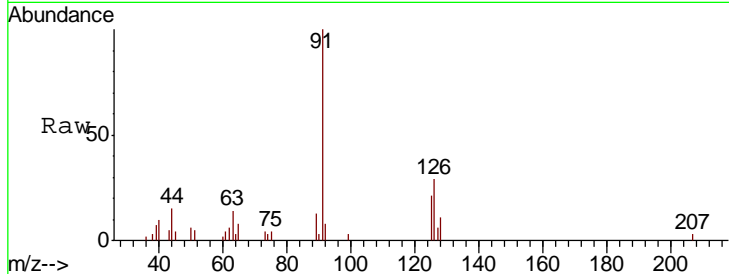
#82
 4-Chlorotoluene
 Concen: 0.91 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	100		
126	33.8	17.3	52.0

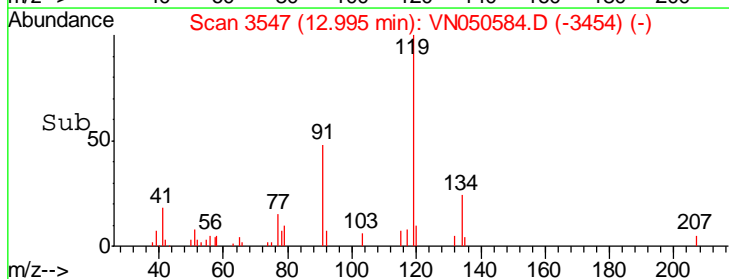
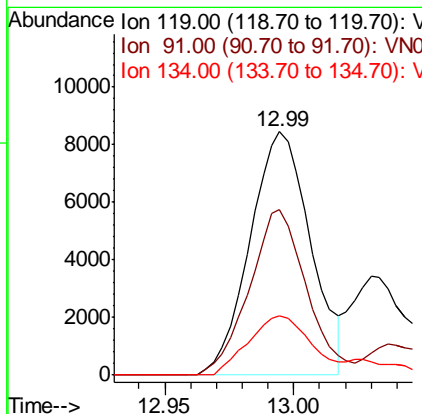
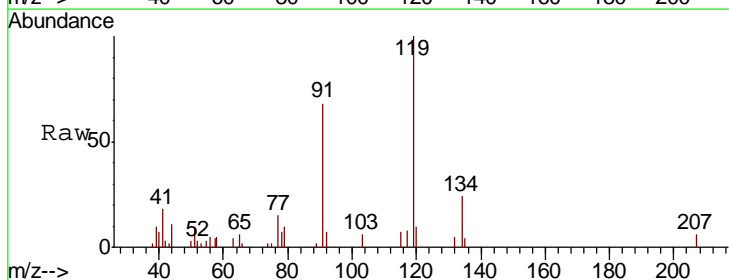
Manual Integrations
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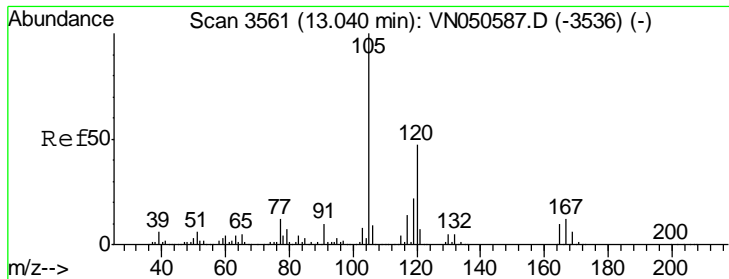
MMDadoda
 8/15/2018 3:20:52 PM



#83
 tert-Butylbenzene
 Concen: 0.98 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
119	100		
91	64.4	32.2	96.6
134	24.7	13.4	40.2





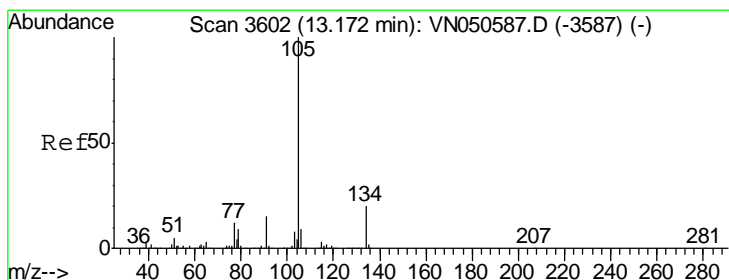
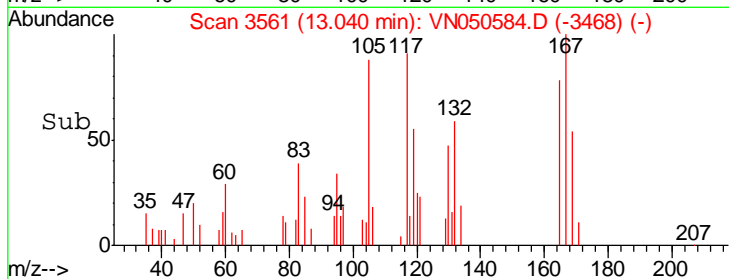
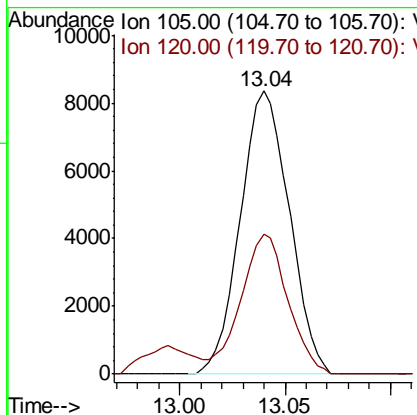
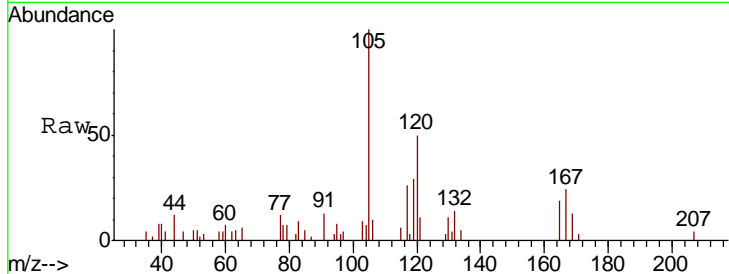
#84
 1,2,4-Trimethylbenzene
 Concen: 0.82 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	13490		
120	47.3	23.2	69.5

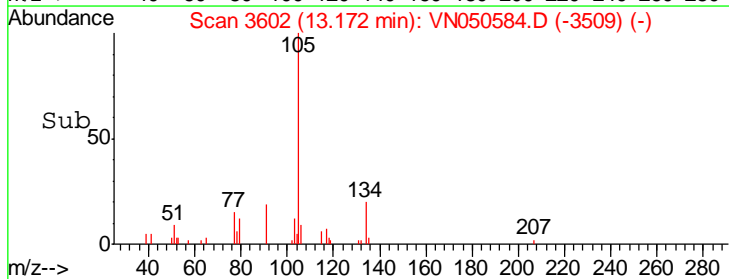
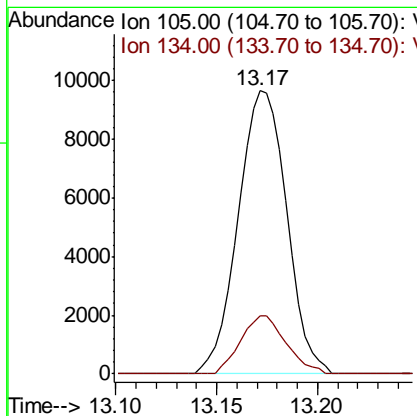
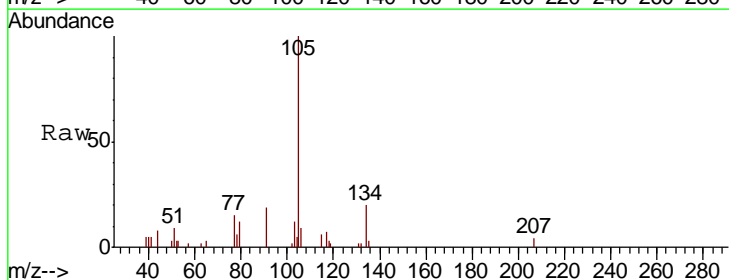
Manual Integrations
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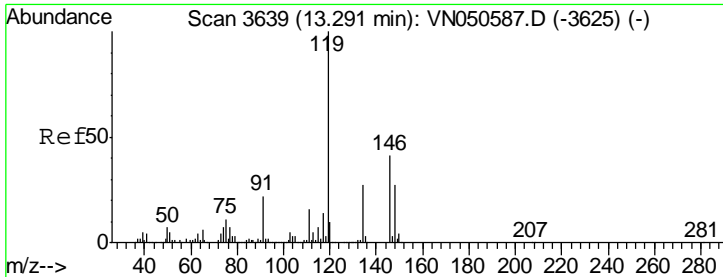
MMDadoda
 8/15/2018 3:20:52 PM



#85
 sec-Butylbenzene
 Concen: 0.87 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
105	16260		
134	19.2	10.1	30.3





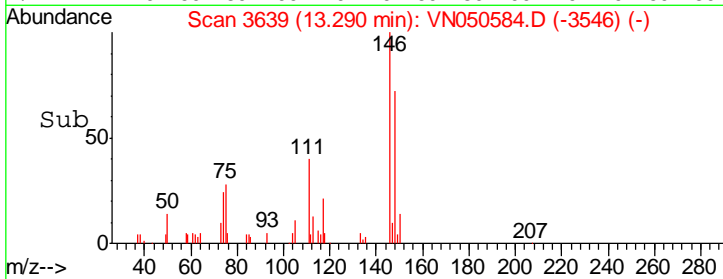
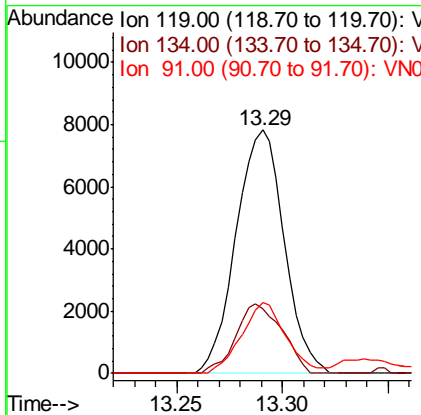
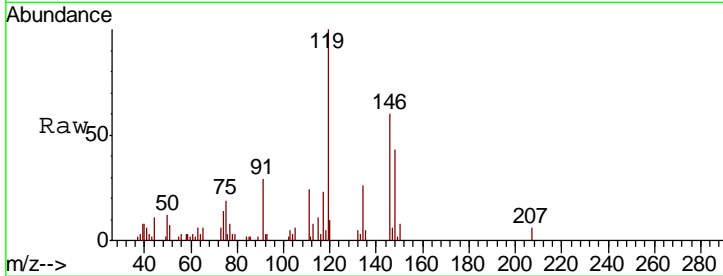
#86
 p-Isopropyltoluene
 Concen: 0.77 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
119	12399		
134	27.3	13.5	40.4
91	27.0	11.2	33.6

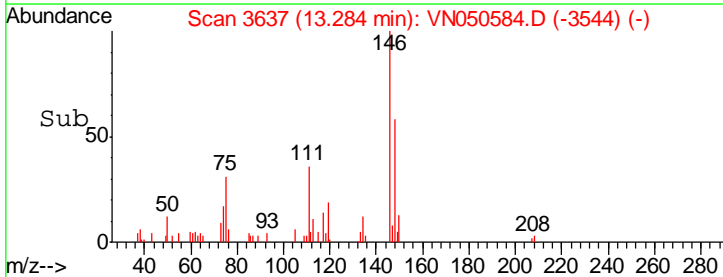
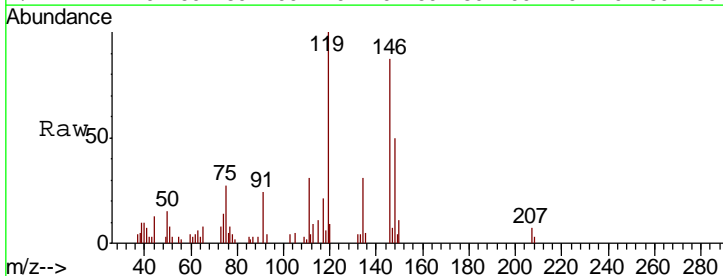
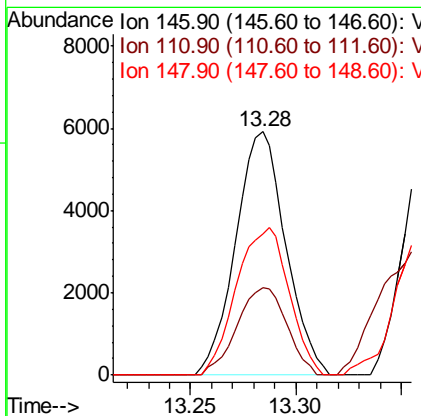
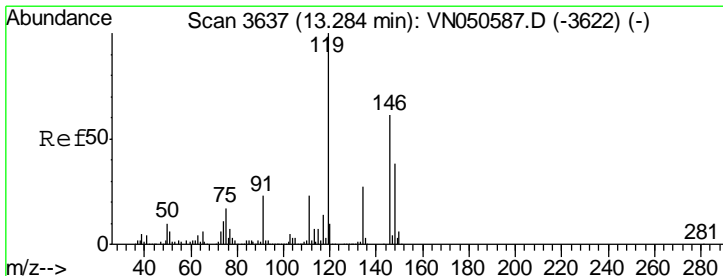
Manual Integrations
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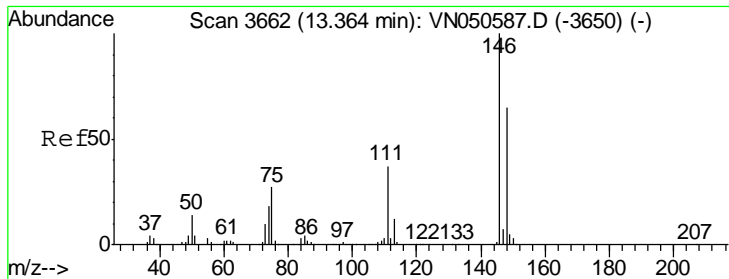
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 8/15/2018 3:20:52 PM



#87
 1,3-Dichlorobenzene
 Concen: 1.03 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
146	9749		
111	35.6	19.2	57.6
148	63.5	31.9	95.7





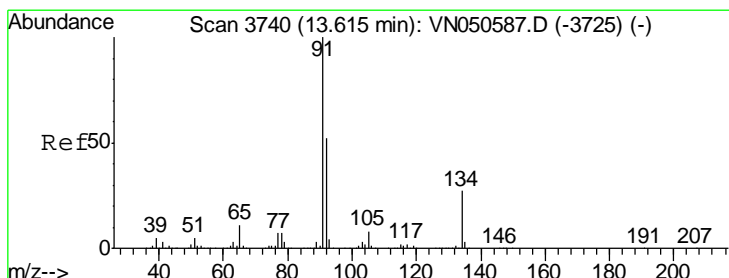
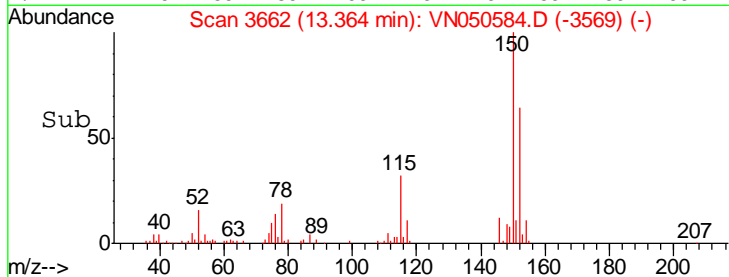
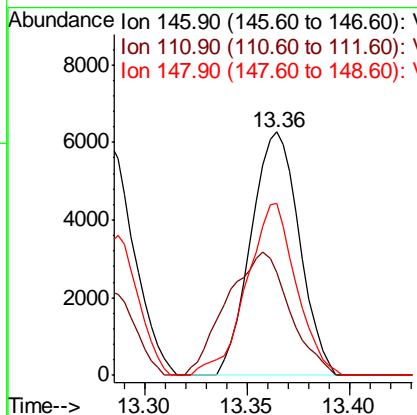
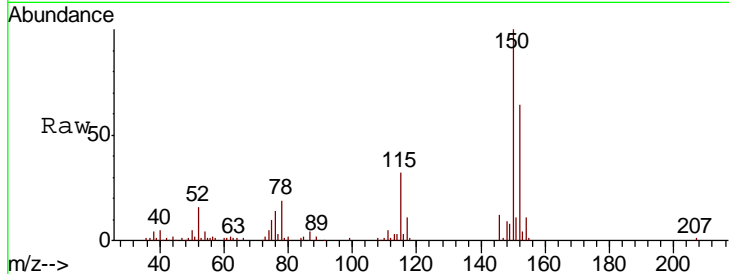
#88
 1,4-Dichlorobenzene
 Concen: 1.09 ug/l m
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
146	10266		
111	33.8	18.8	56.4
148	60.3	32.3	96.8

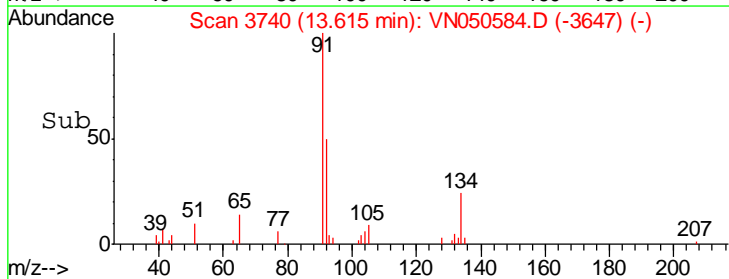
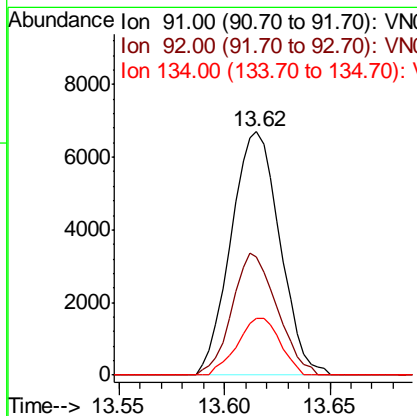
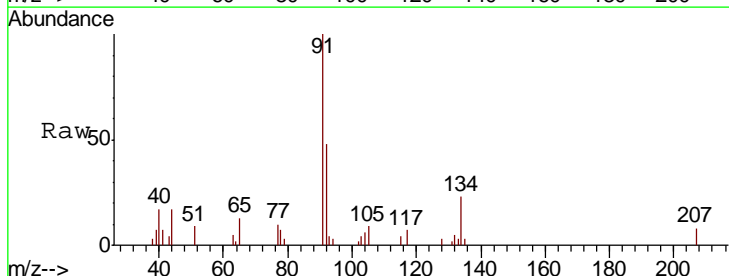
Manual Integrations
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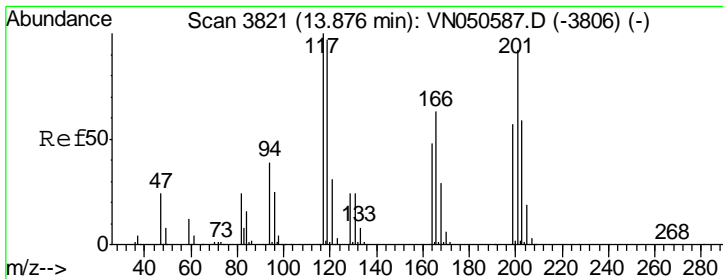
MMDadoda
 8/15/2018 3:20:52 PM



#89
 n-Butylbenzene
 Concen: 0.79 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
91	10778		
92	45.9	26.3	78.8
134	20.4	13.3	39.9





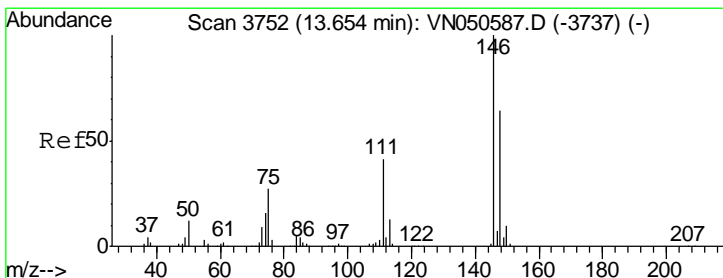
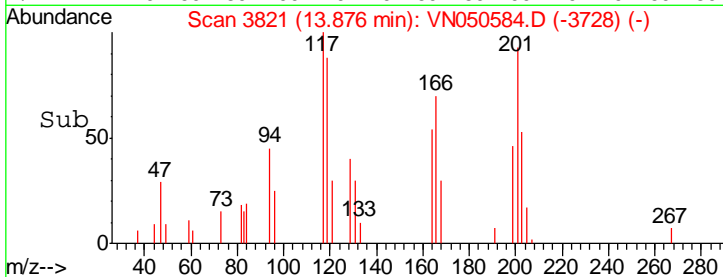
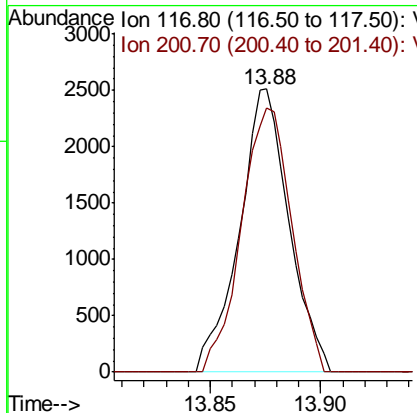
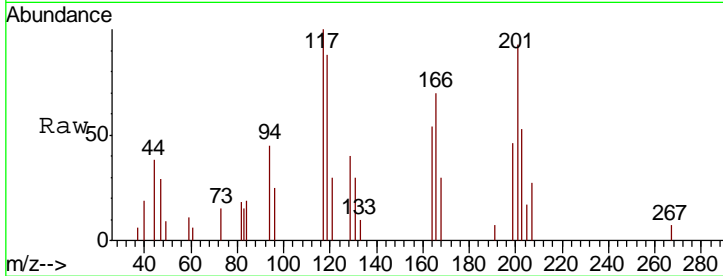
#90
 Hexachloroethane
 Concen: 1.36 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
117	100		
201	94.6	45.5	136.5

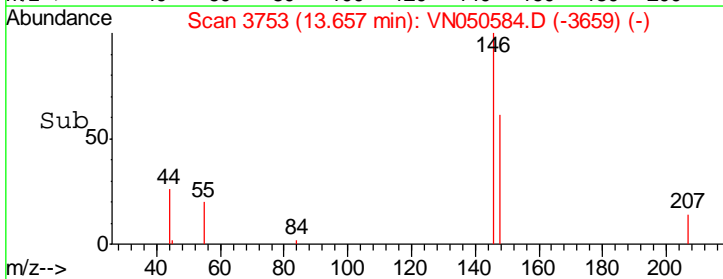
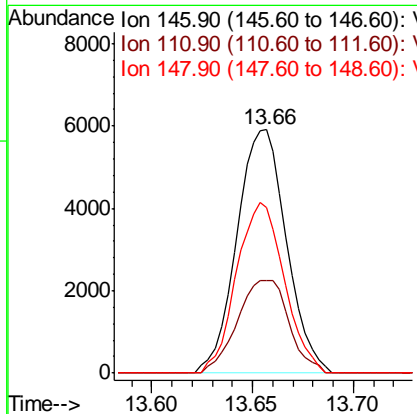
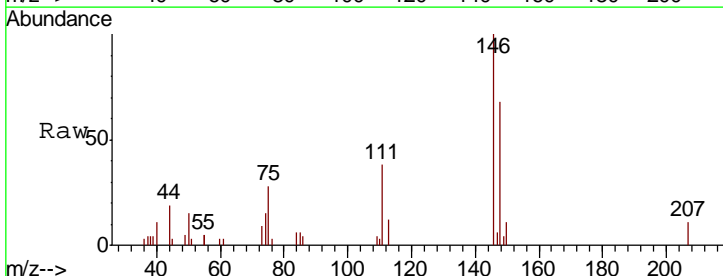
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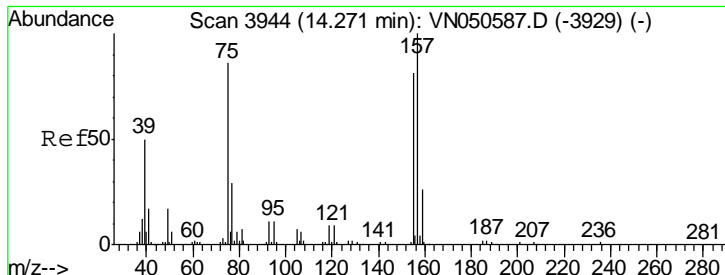
MMDadoda
 8/15/2018 3:20:52 PM



#91
 1,2-Dichlorobenzene
 Concen: 1.07 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.7	19.8	59.4
148	67.5	32.3	96.8





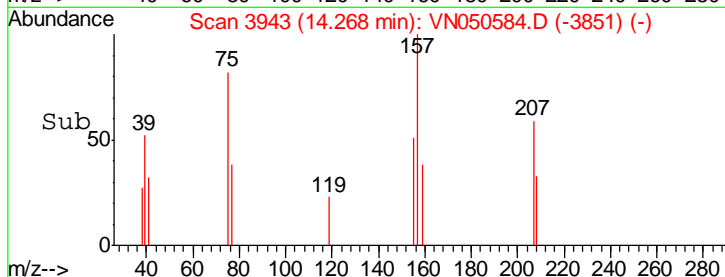
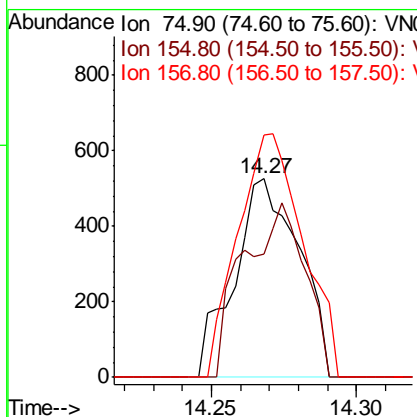
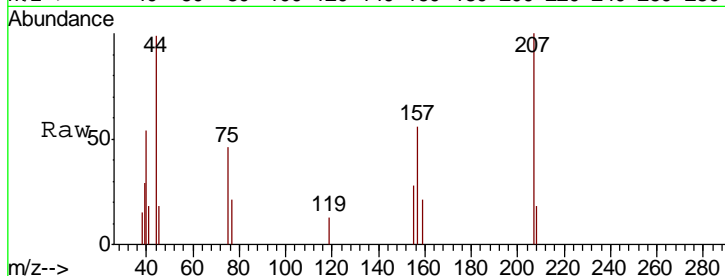
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.87 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	822		
75	100		
155	83.1	46.6	139.8
157	122.0	58.1	174.2

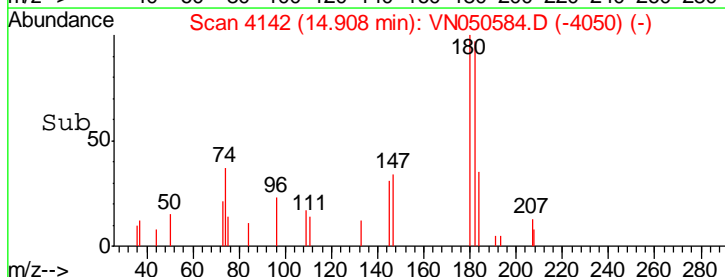
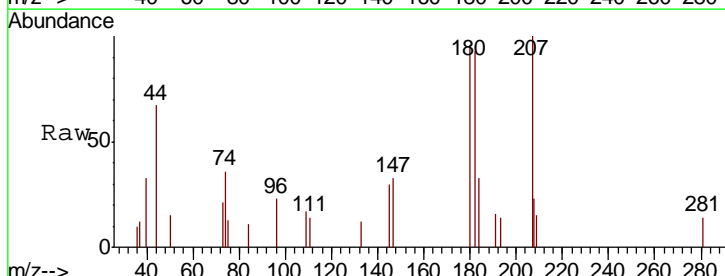
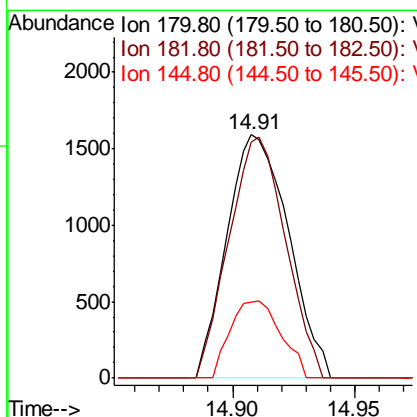
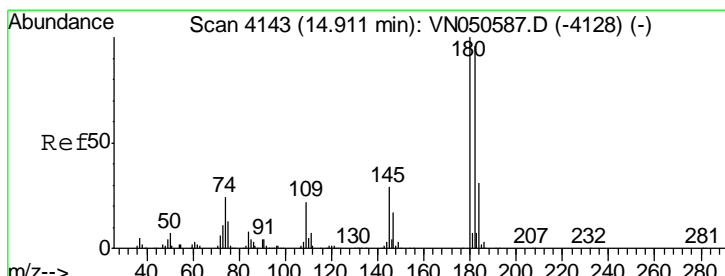
Manual Integrations
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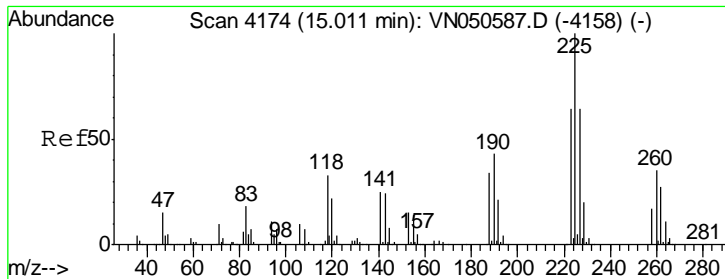
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 8/15/2018 3:20:52 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 0.59 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
180	2789		
180	100		
182	90.9	47.9	143.7
145	26.0	14.4	43.4





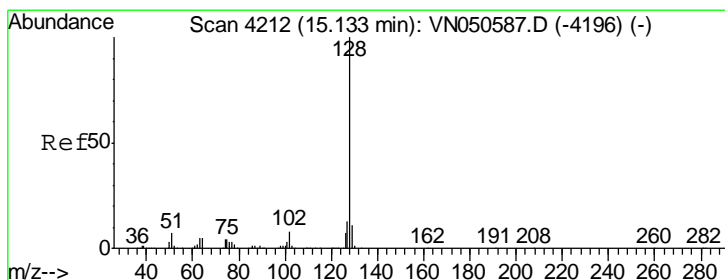
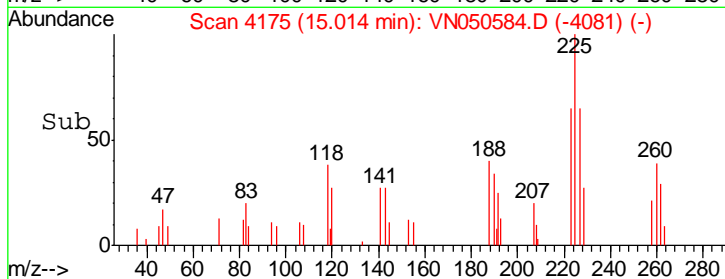
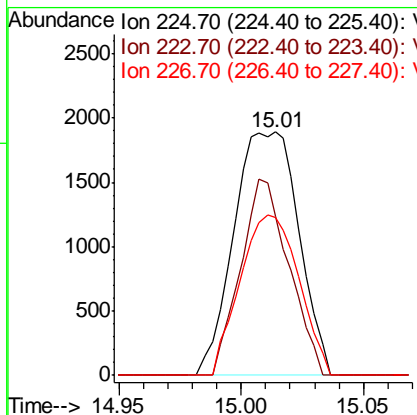
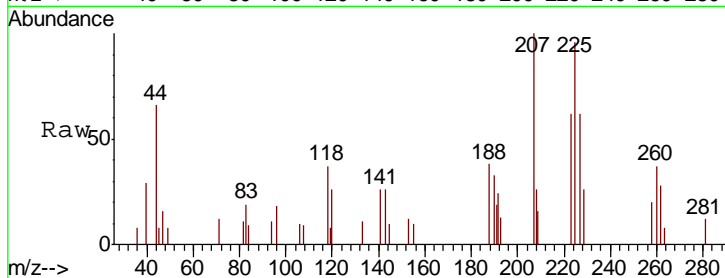
#94
 Hexachlorobutadiene
 Concen: 1.01 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
225	100		
223	59.9	32.1	96.3
227	59.5	32.0	96.2

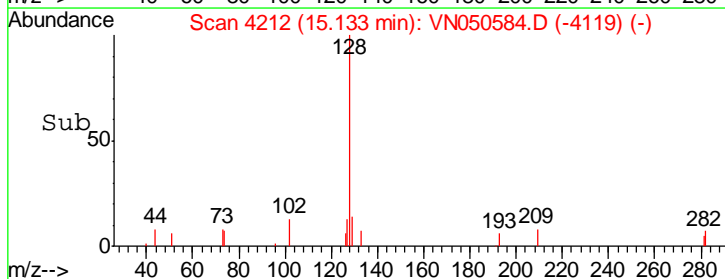
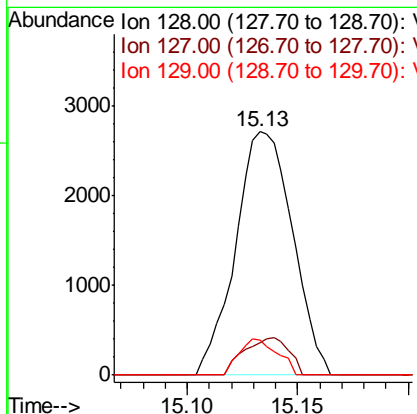
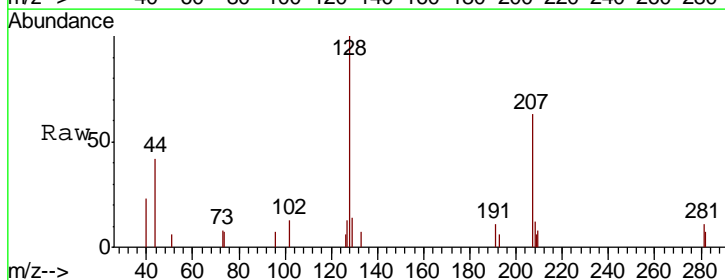
Manual Integrations
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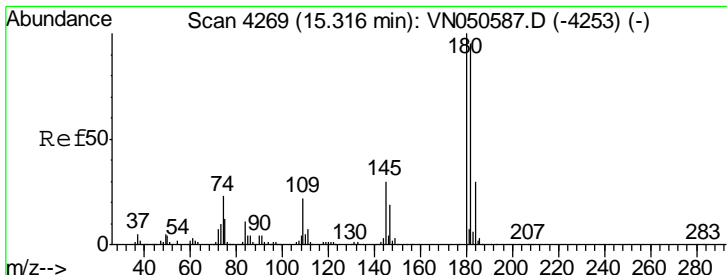
MMDadoda
 8/15/2018 3:20:52 PM



#95
 Naphthalene
 Concen: 0.45 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

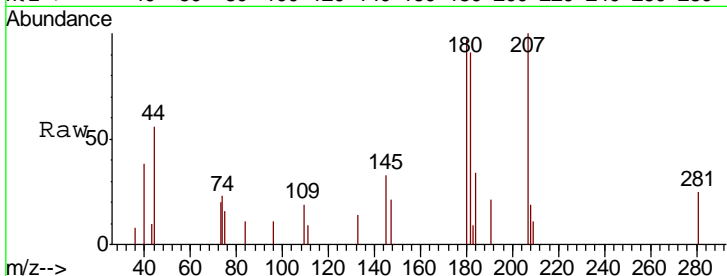
Tgt Ion	Resp	Lower	Upper
128	100		
127	12.1	10.3	15.5
129	10.1	8.5	12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.64 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

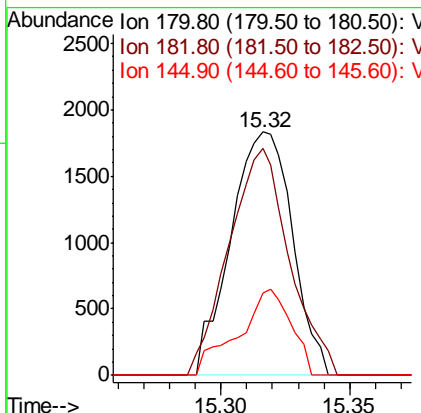
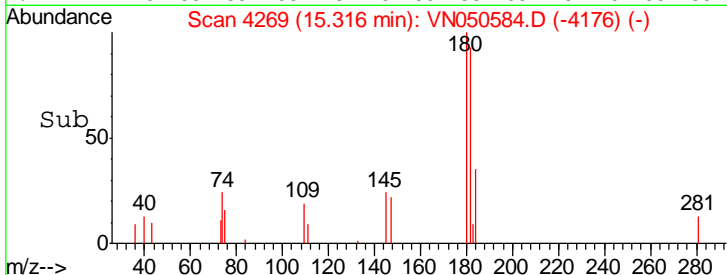
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001



Tot Ion	Ion	Ratio	Lower	Upper
3053	180	100		
	182	91.8	47.3	141.8
	145	30.3	14.6	44.0

Manual Integrations
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 8/15/2018 3:20:52 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050585.D
 Acq On : 14 Aug 2018 00:11
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC005

Manual Integrations
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MMDadoda
 8/15/2018 3:20:57 PM

Quant Time: Aug 14 07:40:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	569065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	873040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	786588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	355562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	40386	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
35) Dibromofluoromethane	7.59	113	37283	5.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.64%	
50) Toluene-d8	10.09	98	130302	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.40	95	38906	4.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	32014	5.06	ug/l	99
3) Chloromethane	2.06	50	43908	5.20	ug/l	97
4) Vinyl Chloride	2.18	62	44050	5.38	ug/l	94
5) Bromomethane	2.56	94	28740	5.72	ug/l	98
6) Chloroethane	2.70	64	28932	5.76	ug/l	95
7) Trichlorofluoromethane	3.01	101	59085	5.59	ug/l	98
8) Diethyl Ether	3.41	74	18282	4.76	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	36676	5.61	ug/l	99
10) Methyl Iodide	3.95	142	17667	5.60	ug/l	98
11) Tert butyl alcohol	4.79	59	9760	17.22	ug/l	95
12) 1,1-Dichloroethene	3.73	96	31433	5.11	ug/l	99
13) Acrolein	3.61	56	11633	19.18	ug/l	99
14) Allyl chloride	4.33	41	48278	4.93	ug/l	99
15) Acrylonitrile	5.00	53	53883	21.64	ug/l	98
16) Acetone	3.82	43	52048	21.91	ug/l	98
17) Carbon Disulfide	4.05	76	98952	4.95	ug/l	100
18) Methyl Acetate	4.33	43	33588	4.96	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	75033	4.38	ug/l	94
20) Methylene Chloride	4.55	84	42435	5.02	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	34663	5.21	ug/l	97
22) Diisopropyl ether	5.96	45	97948	4.88	ug/l	92
23) Vinyl Acetate	5.90	43	303684	21.52	ug/l	98
24) 1,1-Dichloroethane	5.85	63	67886	5.49	ug/l	97
25) 2-Butanone	6.84	43	75337	20.83	ug/l	96
26) 2,2-Dichloropropane	6.82	77	44204	4.47	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	38030	5.17	ug/l	98
28) Bromochloromethane	7.19	49	29728	5.22	ug/l	99
29) Tetrahydrofuran	7.22	42	38089	19.63	ug/l	96
30) Chloroform	7.37	83	69236	5.60	ug/l	95
31) Cyclohexane	7.66	56	57787	4.67	ug/l #	80
32) 1,1,1-Trichloroethane	7.57	97	59089	5.57	ug/l	99
36) 1,1-Dichloropropene	7.80	75	47178	4.93	ug/l	99
37) Ethyl Acetate	6.93	43	27959	4.22	ug/l #	93
38) Carbon Tetrachloride	7.77	117	52776	5.28	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050585.D
 Acq On : 14 Aug 2018 00:11
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:20:57 PM

Quant Time: Aug 14 07:40:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	45351	4.34	ug/l	95
40) Benzene	8.04	78	151535	5.14	ug/l	96
41) Methacrylonitrile	7.18	41	13875	3.88	ug/l #	91
42) 1,2-Dichloroethane	8.13	62	48318	5.21	ug/l	100
43) Isopropyl Acetate	8.17	43	53839	4.65	ug/l	98
44) Trichloroethene	8.84	130	39652	5.00	ug/l	99
45) 1,2-Dichloropropane	9.12	63	40974	5.29	ug/l	97
46) Dibromomethane	9.21	93	24196	5.11	ug/l	98
47) Bromodichloromethane	9.40	83	51826	5.23	ug/l	97
48) Methyl methacrylate	9.20	41	23102	4.00	ug/l	96
49) 1,4-Dioxane	9.20	88	5987	68.19	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	165664	20.05	ug/l	98
52) Toluene	10.16	92	87365	4.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	43301	4.40	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	51353	4.66	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	34942	5.10	ug/l	94
56) Ethyl methacrylate	10.43	69	33345	3.91	ug/l	96
57) 1,3-Dichloropropane	10.71	76	55385	4.92	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	72350	18.18	ug/l	99
59) 2-Hexanone	10.75	43	102073	17.82	ug/l	92
60) Dibromochloromethane	10.90	129	36675	4.86	ug/l	100
61) 1,2-Dibromoethane	11.01	107	30853	4.59	ug/l	97
64) Tetrachloroethene	10.63	164	38161	5.20	ug/l	99
65) Chlorobenzene	11.44	112	100303	5.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	39148	5.44	ug/l	97
67) Ethyl Benzene	11.51	91	149919	4.70	ug/l	98
68) m/p-Xylenes	11.62	106	111551	9.18	ug/l	98
69) o-Xylene	11.95	106	53670	4.59	ug/l	99
70) Styrene	11.97	104	82286	4.34	ug/l	99
71) Bromoform	12.13	173	24450	4.73	ug/l #	98
73) Isopropylbenzene	12.25	105	138443	5.15	ug/l	100
74) N-amyl acetate	12.07	43	34370	4.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	41503	5.47	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	35606m	5.54	ug/l	
77) Bromobenzene	12.53	156	40123	5.58	ug/l	98
78) n-propylbenzene	12.59	91	148279	4.88	ug/l	100
79) 2-Chlorotoluene	12.67	91	100357	5.34	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	109330	5.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	7763	4.37	ug/l	96
82) 4-Chlorotoluene	12.77	91	97090	5.19	ug/l	99
83) tert-Butylbenzene	12.99	119	95009	5.01	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	107622	4.88	ug/l	100
85) sec-Butylbenzene	13.17	105	127344	5.03	ug/l	98
86) p-Isopropyltoluene	13.29	119	101679	4.70	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	66761	5.23	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	66378	5.21	ug/l	95
89) n-Butylbenzene	13.62	91	78450	4.29	ug/l	95
90) Hexachloroethane	13.87	117	23085	5.94	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	66588	5.23	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5497	4.34	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050585.D
 Acq On : 14 Aug 2018 00:11
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:20:57 PM

Quant Time: Aug 14 07:40:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	21475	3.35	ug/l	97
94) Hexachlorobutadiene	15.01	225	21110	4.53	ug/l	94
95) Naphthalene	15.13	128	35734	2.47	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	21692	3.35	ug/l	99

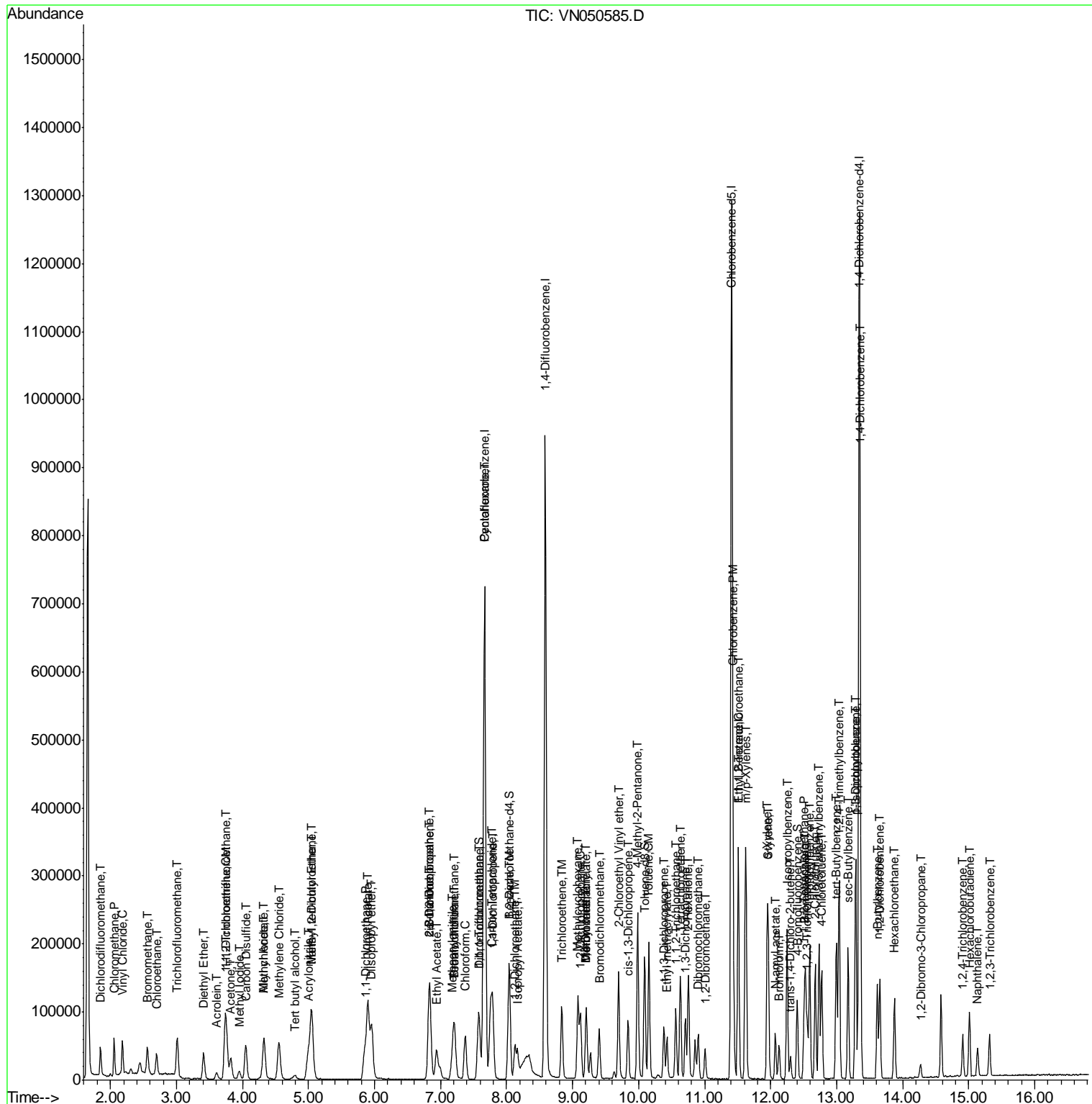
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050585.D
Acq On : 14 Aug 2018 00:11
Operator : MD\SY
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 34 Sample Multiplier: 1

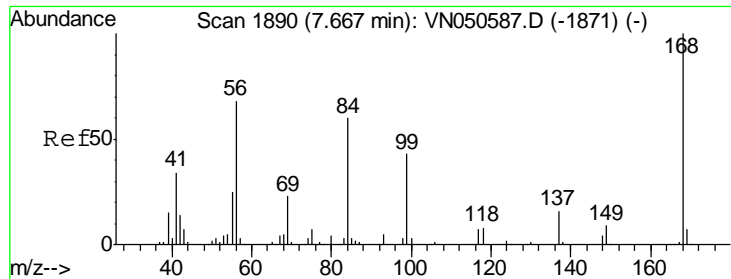
Instrument :
MSVOA_N
Client Sampled :
VSTDIC005

Manual Integrations
APPROVED
MMDadoda
8/15/2018 3:20:57 PM

Quant Time: Aug 14 07:40:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 07:26:24 2018
Response via : Initial Calibration



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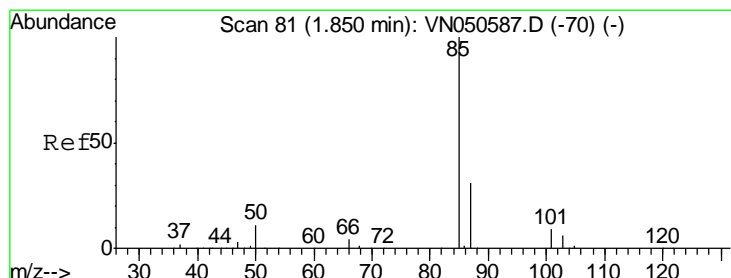
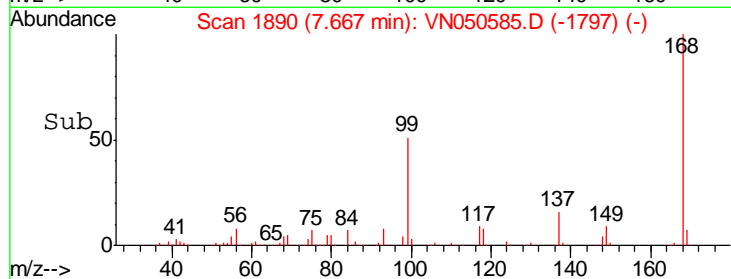
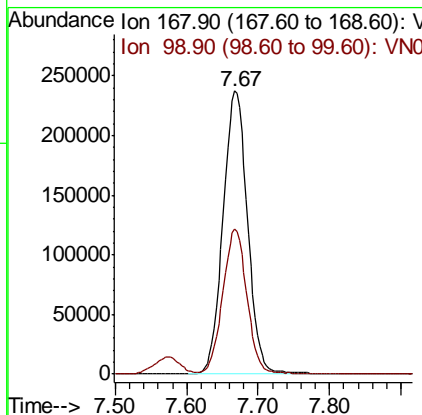
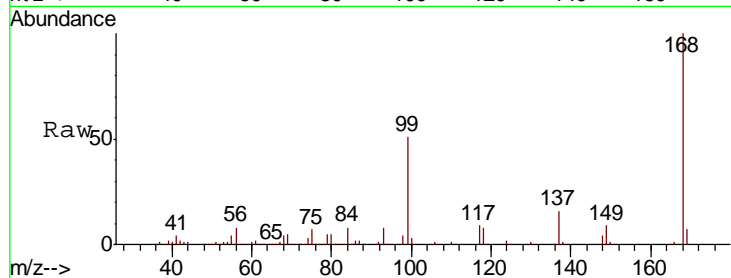
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
168	100		
99	51.2	40.8	61.2

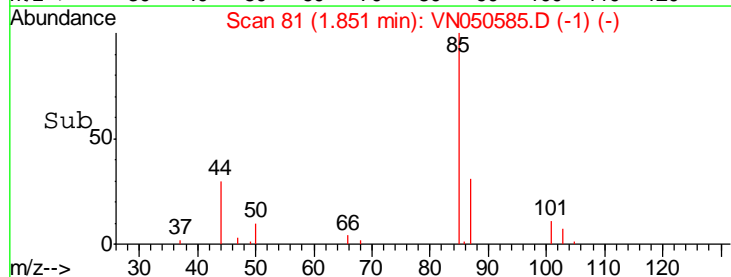
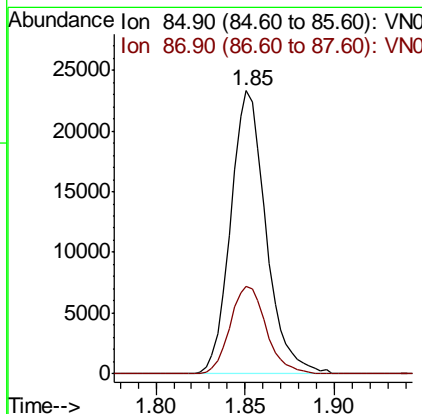
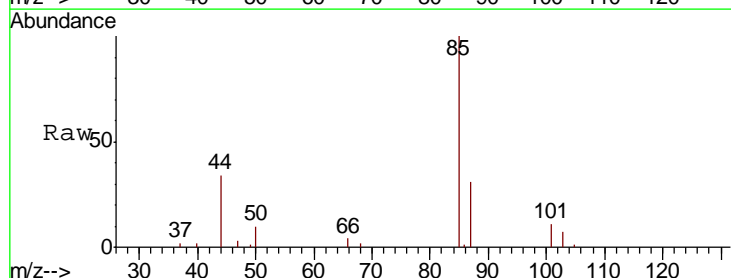
Manual Integrations
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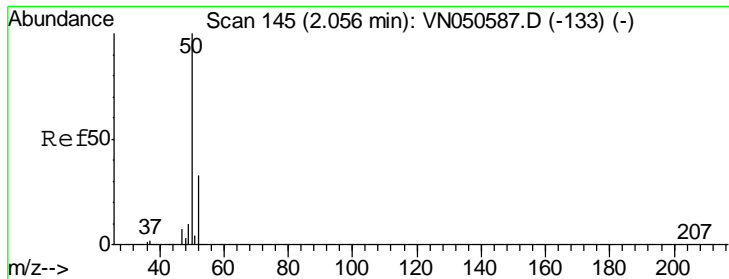
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#2
 Dichlorodifluoromethane
 Concen: 5.06 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.0	15.8	47.3





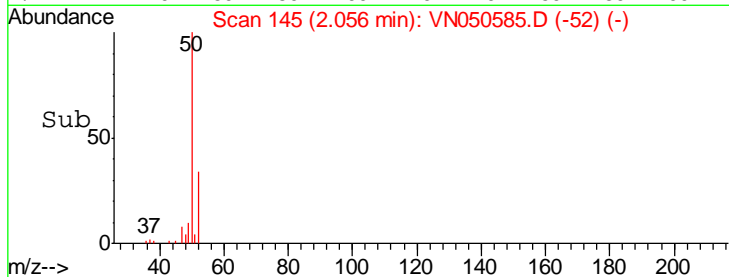
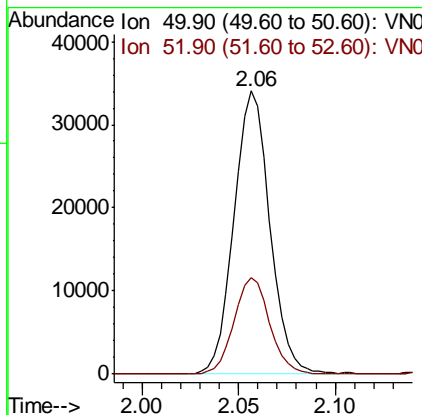
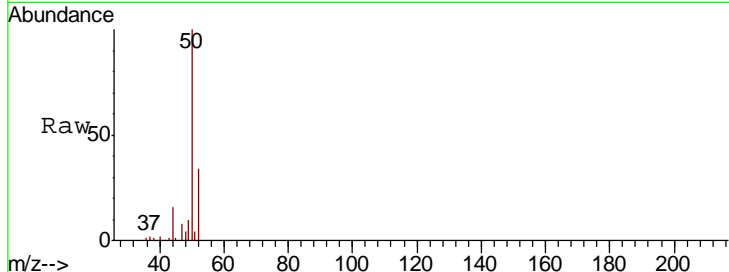
#3
 Chloromethane
 Concen: 5.20 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
50	43908		
52	34.0	26.0	39.0

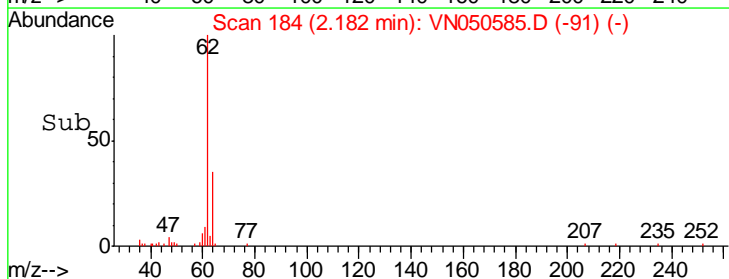
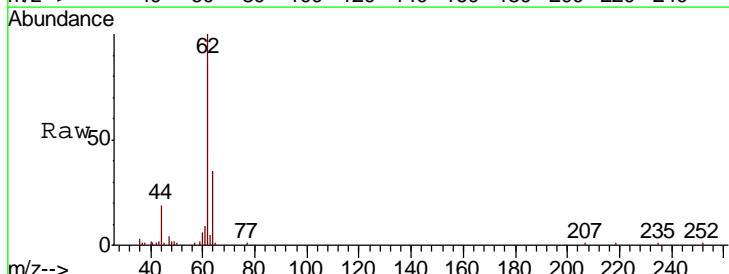
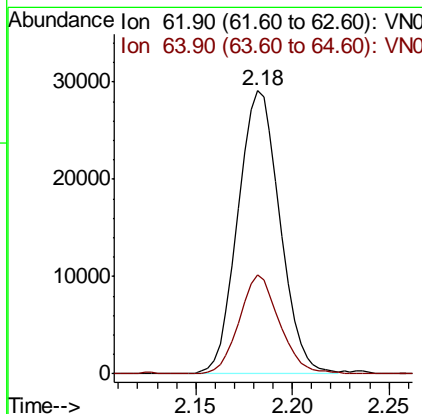
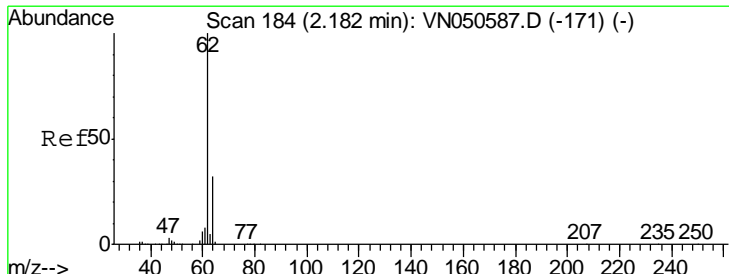
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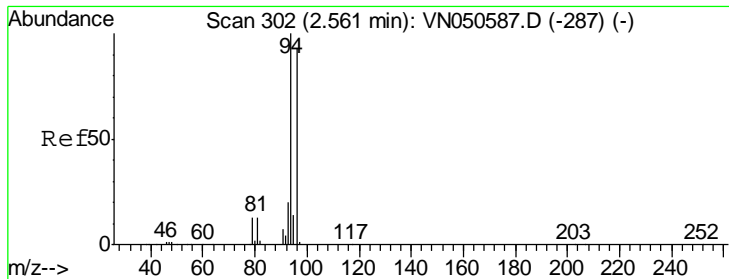
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 8/15/2018 3:20:57 PM



#4
 Vinyl Chloride
 Concen: 5.38 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
62	44050		
64	35.0	25.2	37.8





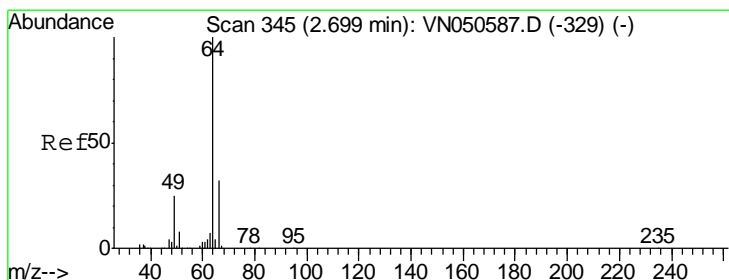
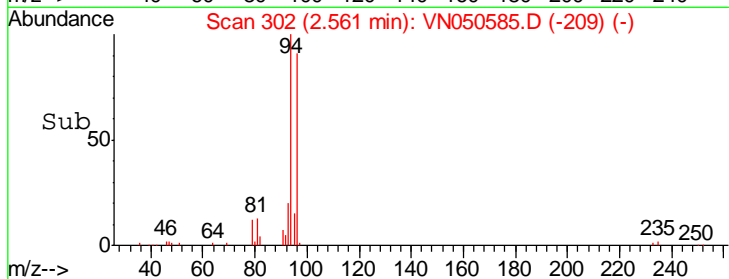
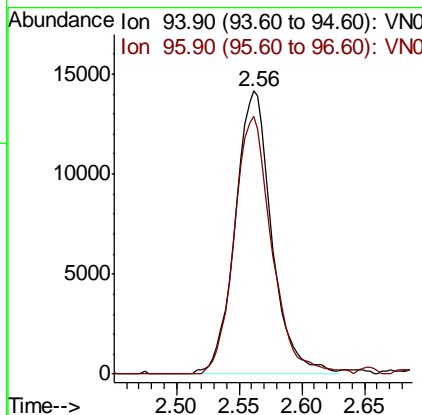
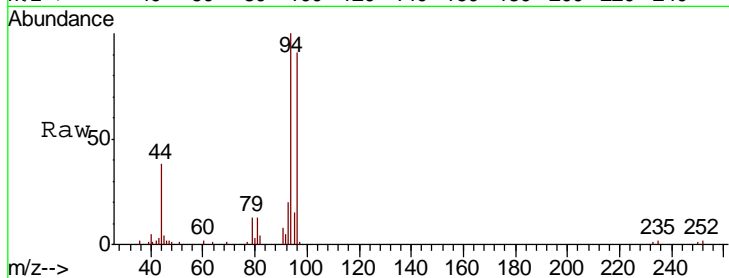
#5
 Bromomethane
 Concen: 5.72 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
94	100		
96	91.1	74.0	111.0

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

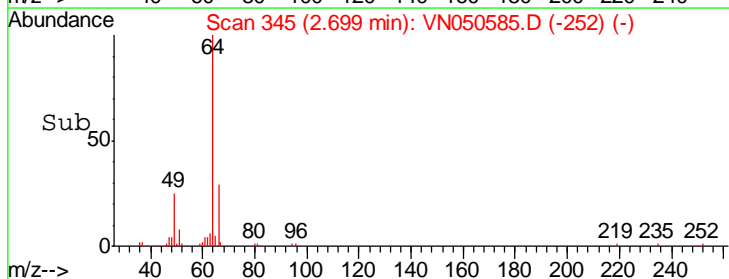
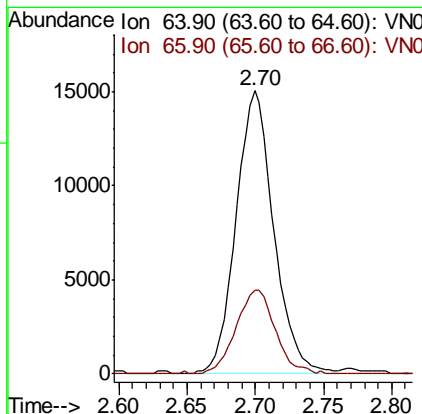
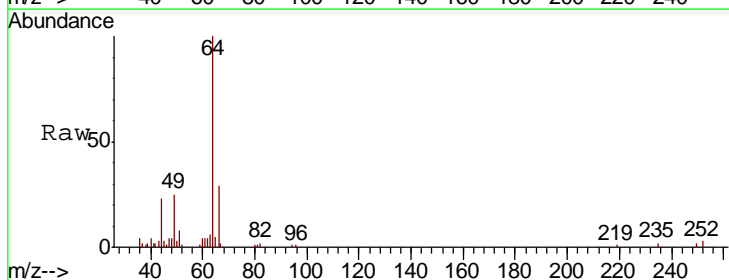
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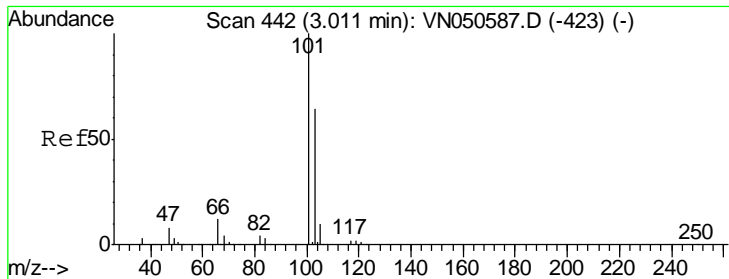
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 8/15/2018 3:20:57 PM



#6
 Chloroethane
 Concen: 5.76 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
64	100		
66	29.5	25.7	38.5





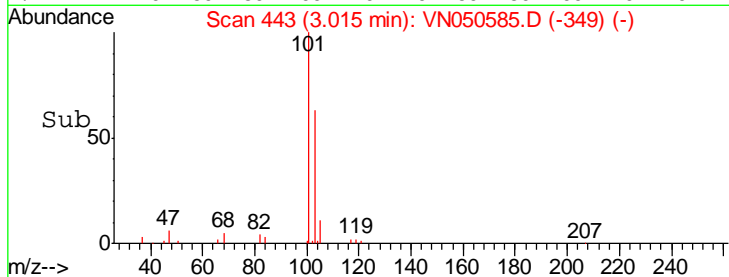
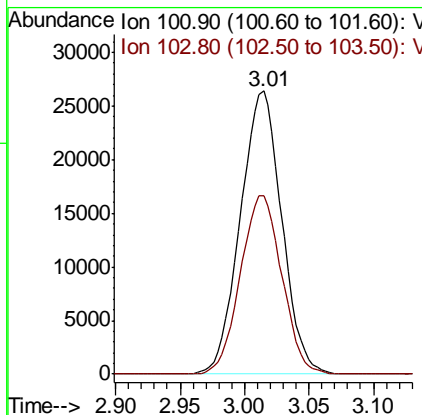
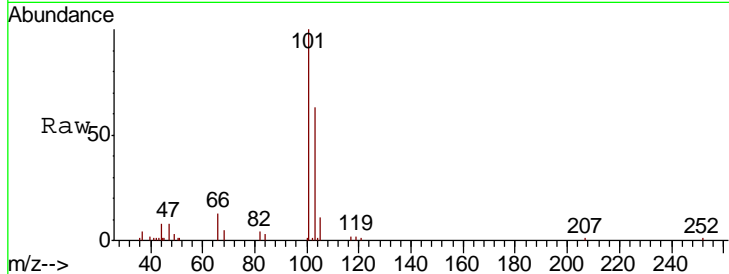
#7
 Trichlorofluoromethane
 Concen: 5.59 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
101	59085		
103	62.8	51.4	77.0

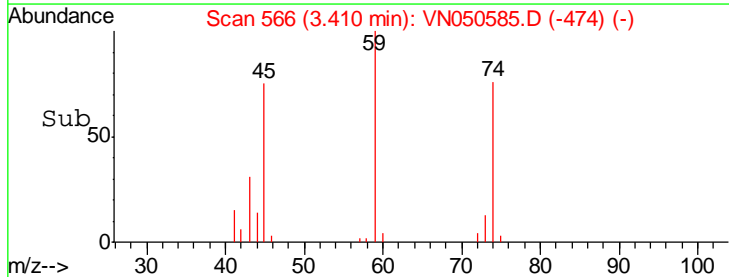
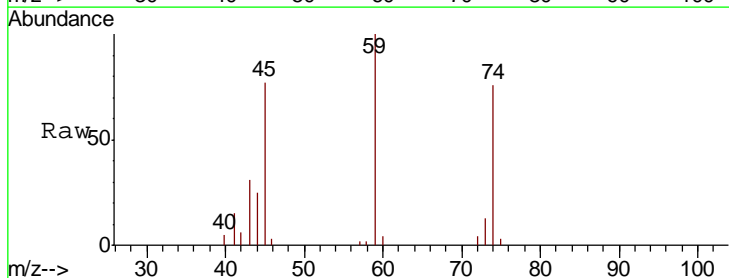
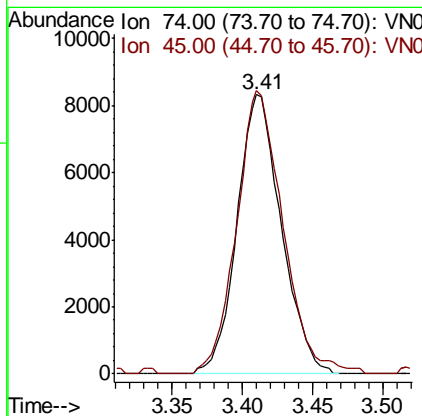
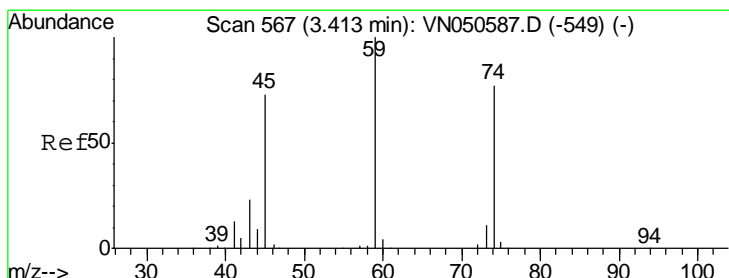
Manual Integrations
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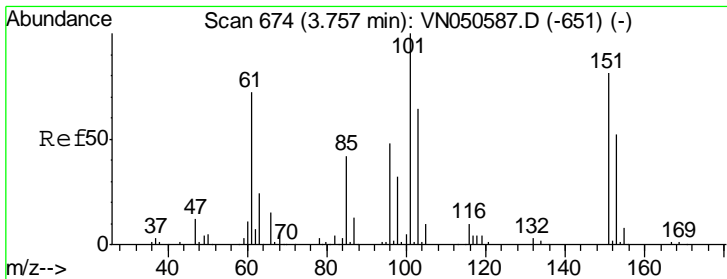
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 8/15/2018 3:20:57 PM



#8
 Diethyl Ether
 Concen: 4.76 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

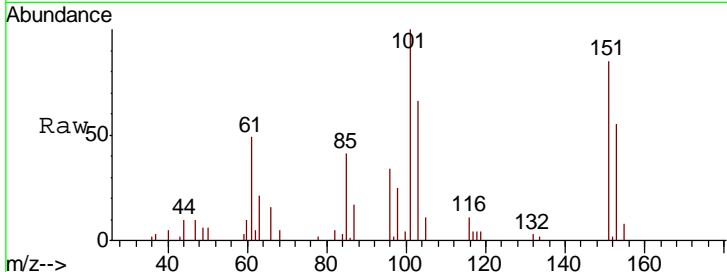
Tgt Ion	Resp	Lower	Upper
74	18282		
45	106.3	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.61 ug/l
 RT: 3.76 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

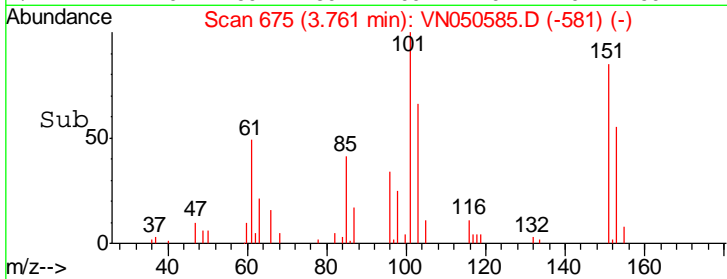
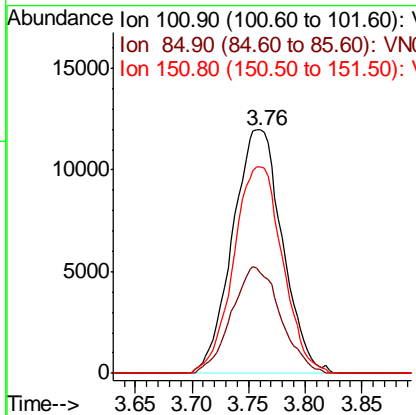


Tgt Ion: 101 Resp: 36676

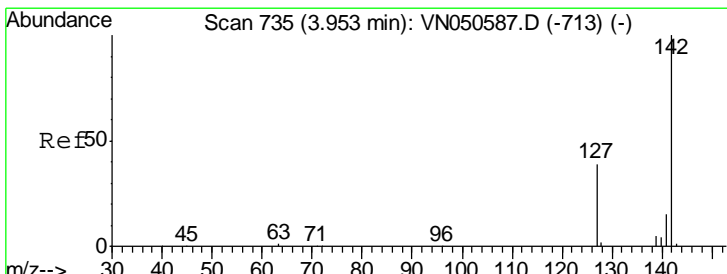
Ion	Ratio	Lower	Upper
101	100		
85	43.0	33.4	50.0
151	83.2	66.6	100.0

Manual Integrations APPROVED

MMDadoda
 8/15/2018 3:20:57 PM

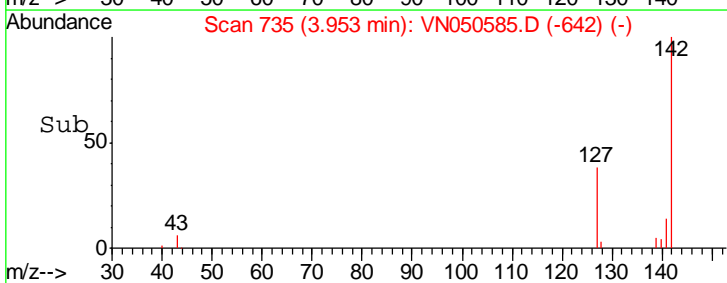
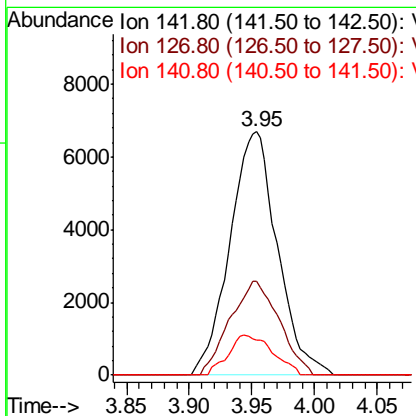
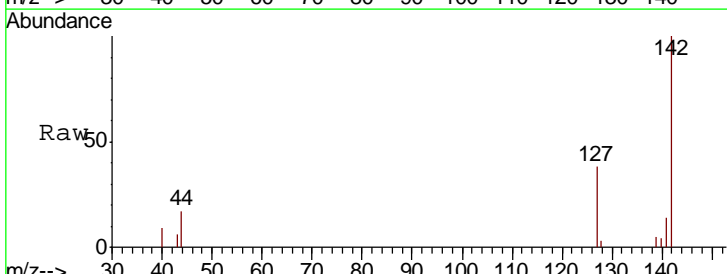


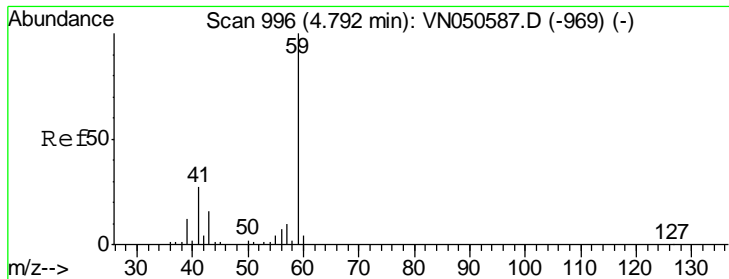
#10
 Methyl Iodide
 Concen: 5.60 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11



Tgt Ion: 142 Resp: 17667

Ion	Ratio	Lower	Upper
142	100		
127	39.5	32.6	49.0
141	15.3	11.5	17.3





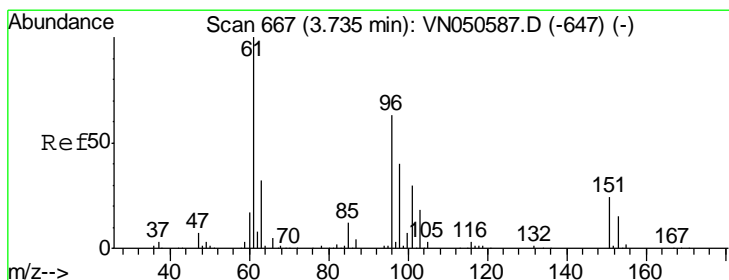
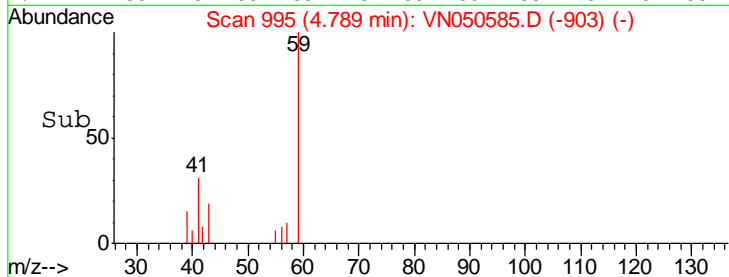
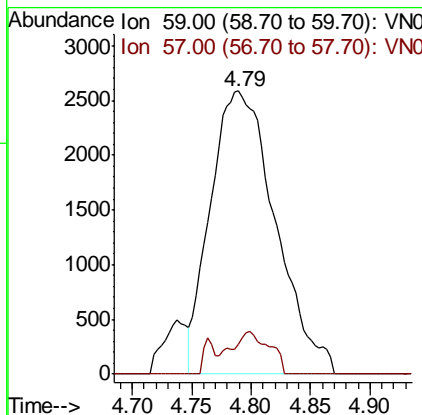
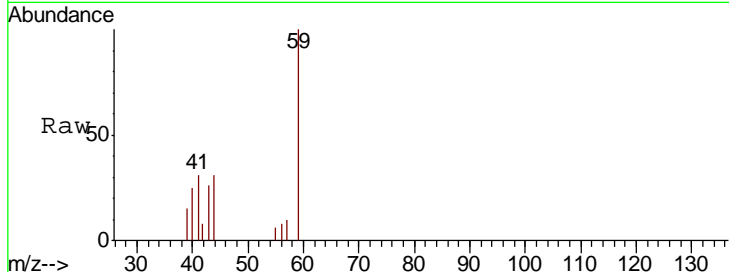
#11
 Tert butyl alcohol
 Concen: 17.22 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
59	100		
57	8.6	8.4	12.6

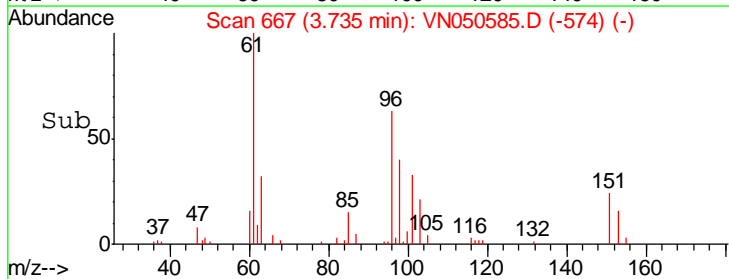
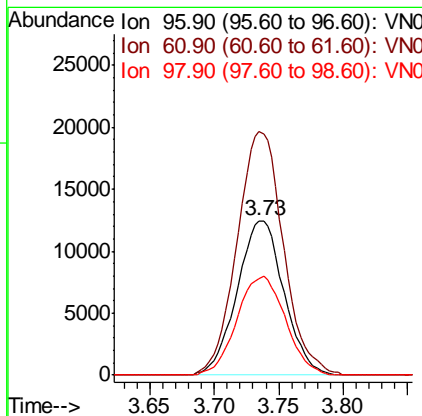
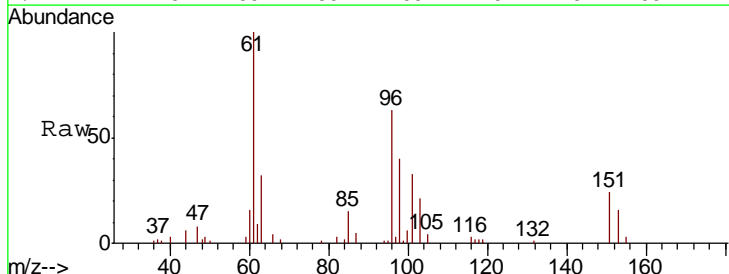
Manual Integrations
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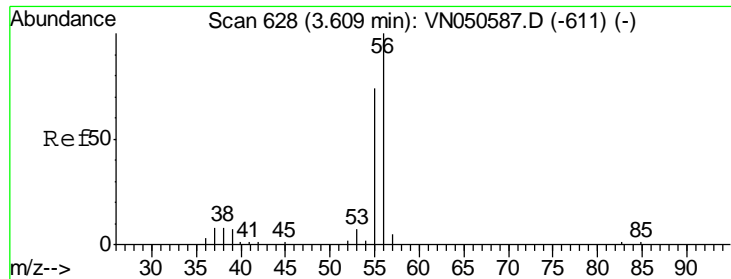
MMDadoda
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#12
 1,1-Dichloroethene
 Concen: 5.11 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
96	100		
61	157.5	126.9	190.3
98	62.4	51.1	76.7





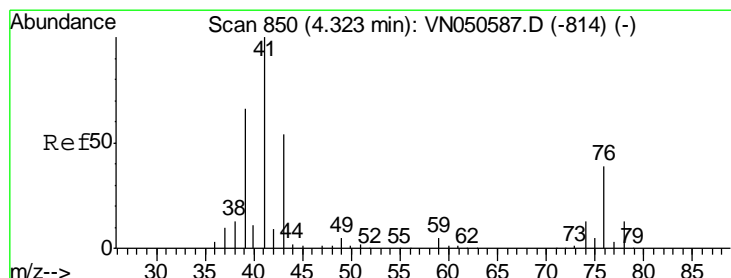
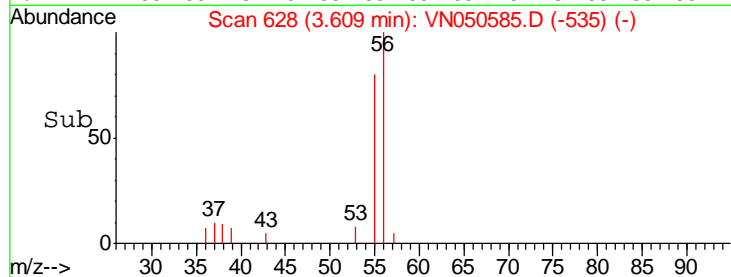
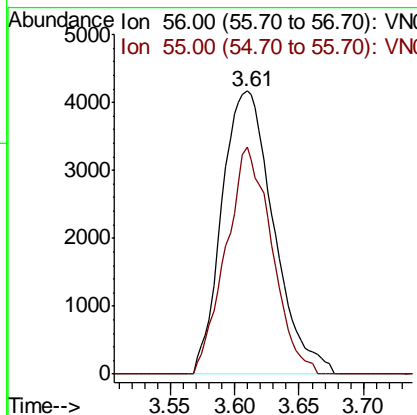
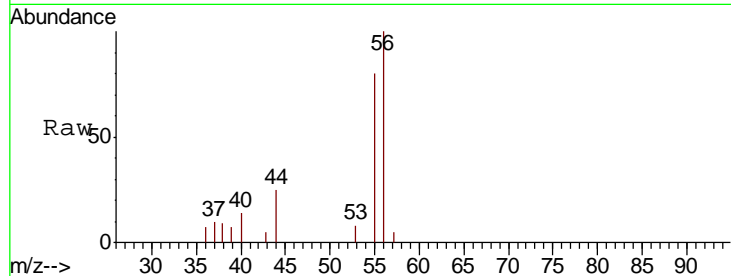
#13
 Acrolein
 Concen: 19.18 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	11633		
55	71.2	56.3	84.5

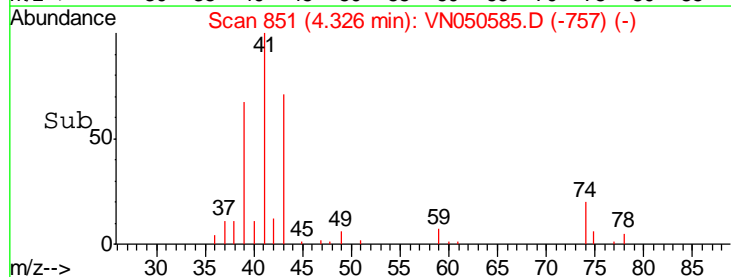
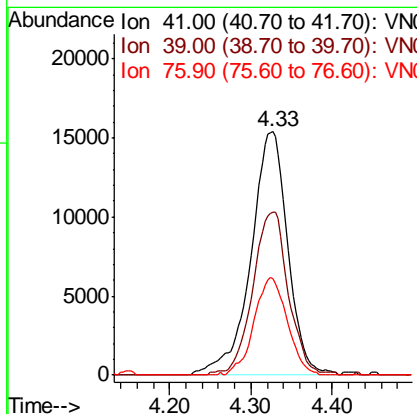
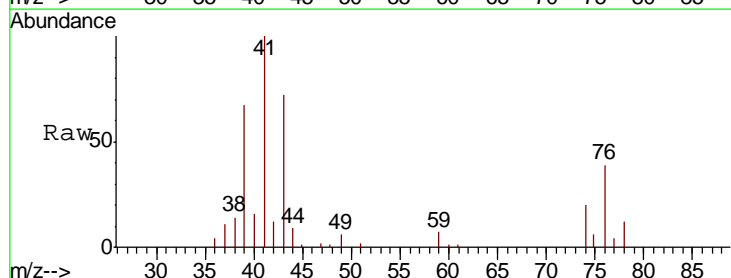
Manual Integrations
 APPROVED

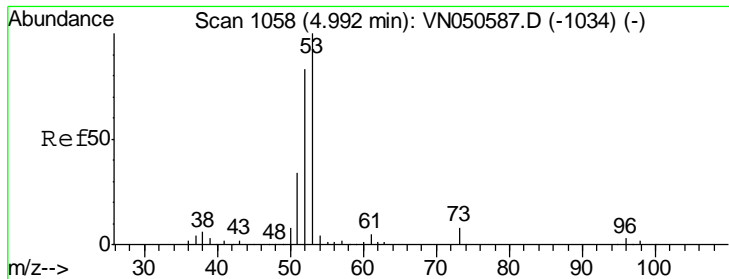
MMDadoda
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#14
 Allyl chloride
 Concen: 4.93 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

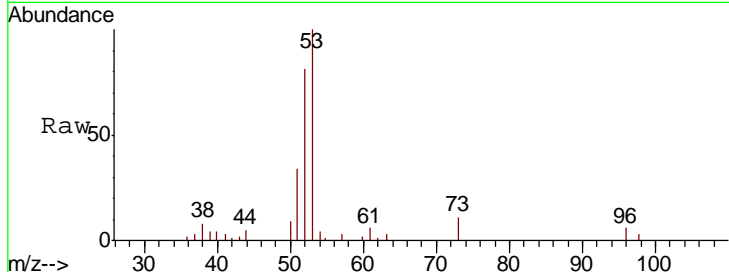
Tgt Ion	Resp	Lower	Upper
41	48278		
39	64.9	51.4	77.0
76	36.0	29.4	44.0





#15
 Acrylonitrile
 Concen: 21.64 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

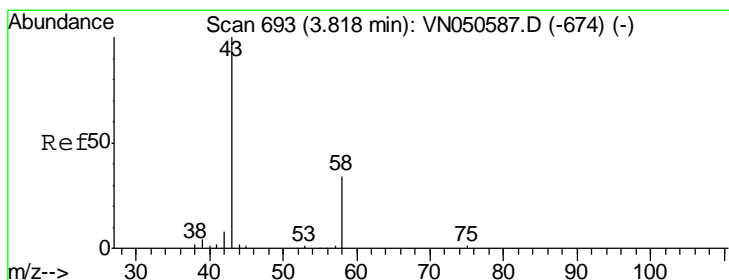
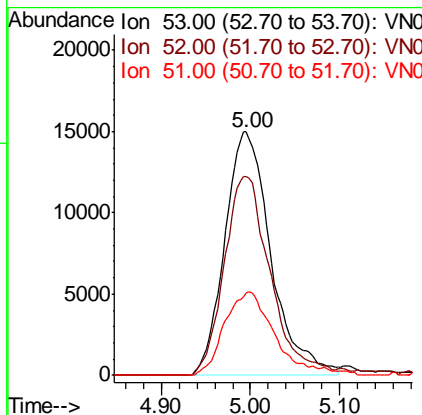
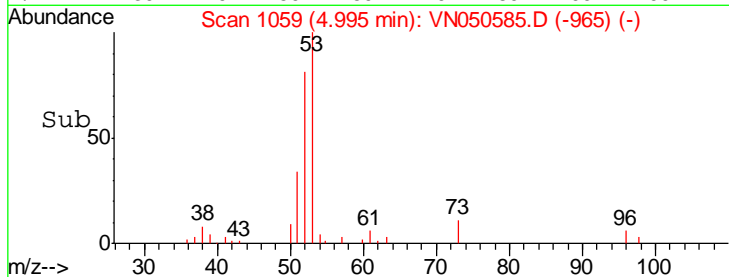


Tgt Ion: 53 Resp: 53883

Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.2	99.2
51	36.8	28.6	43.0

Manual Integrations
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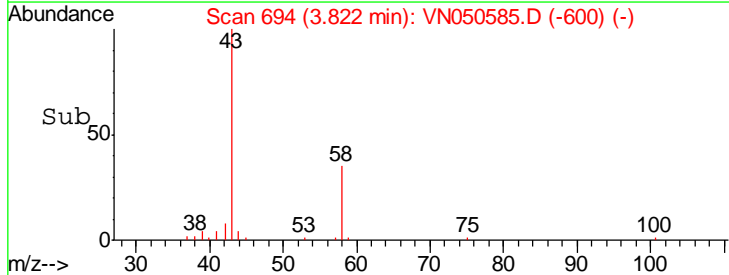
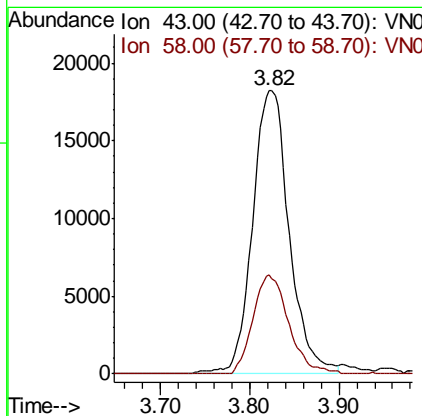
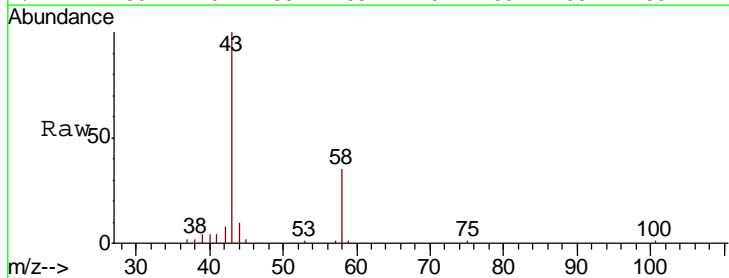
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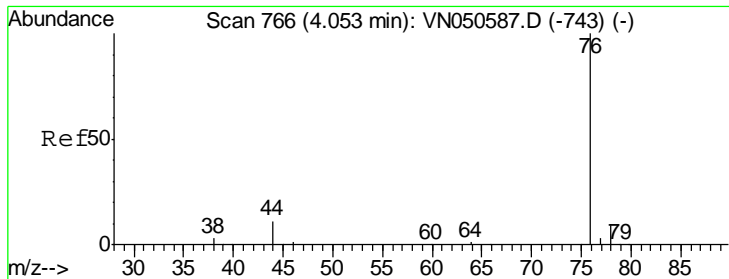


#16
 Acetone
 Concen: 21.91 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion: 43 Resp: 52048

Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.1	40.7





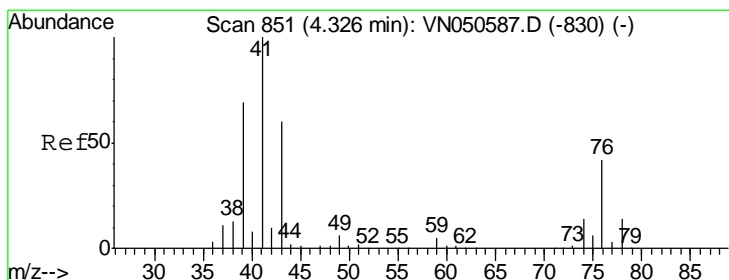
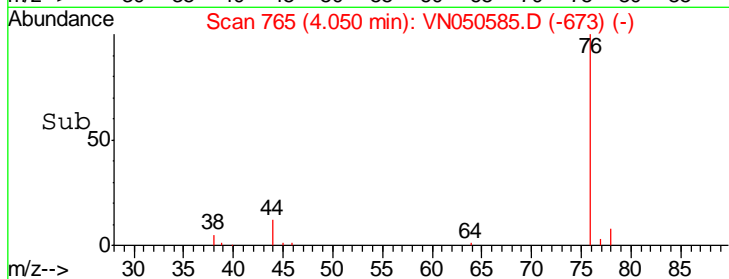
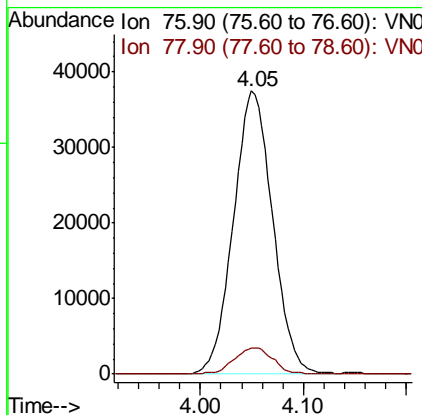
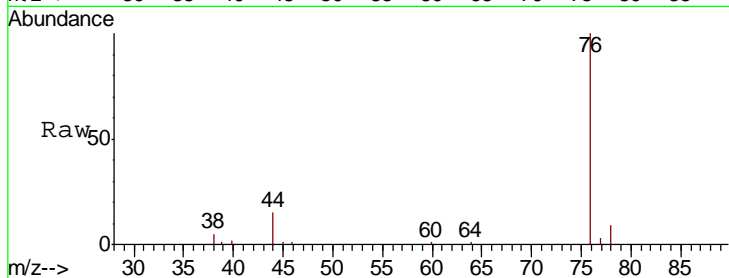
#17
 Carbon Disulfide
 Concen: 4.95 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.1	7.3	10.9

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

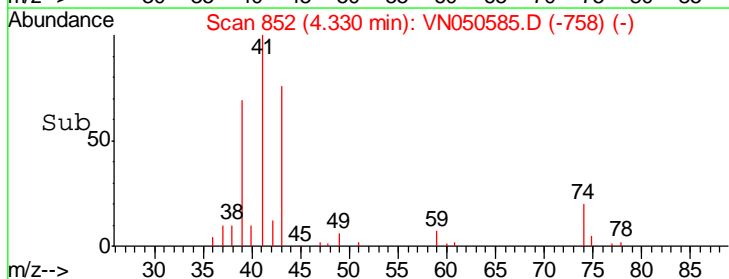
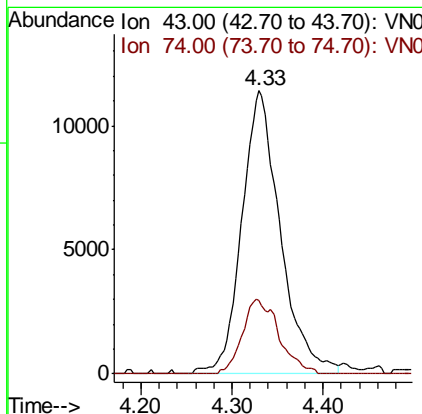
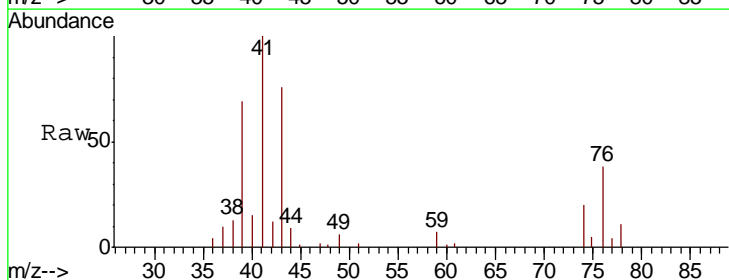
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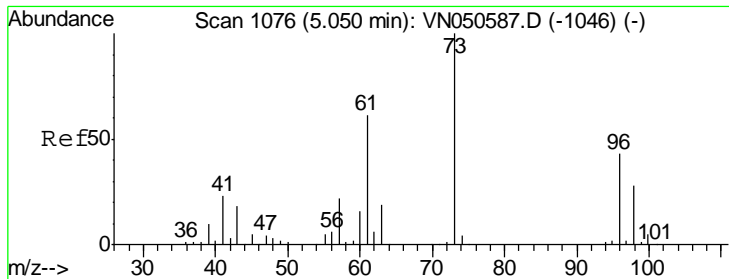
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 8/15/2018 3:20:57 PM



#18
 Methyl Acetate
 Concen: 4.96 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
43	100		
74	25.1	19.7	29.5





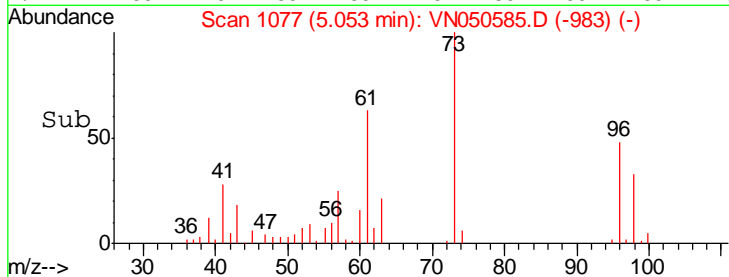
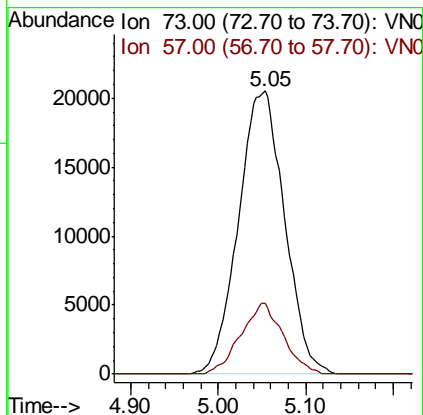
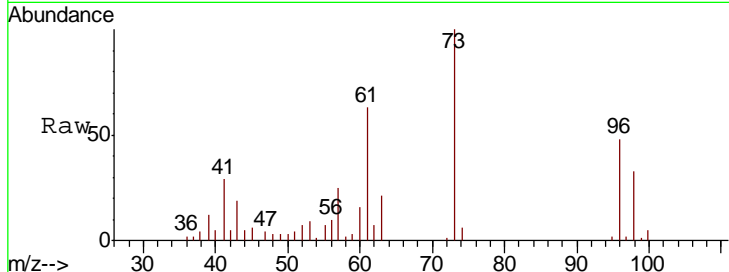
#19
 Methyl tert-butyl Ether
 Concen: 4.38 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
73	75033		
73	100		
57	25.1	17.9	26.9

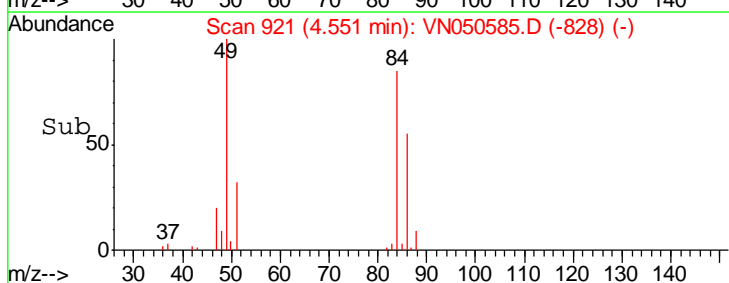
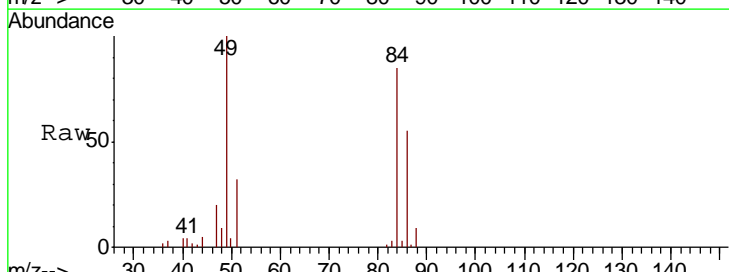
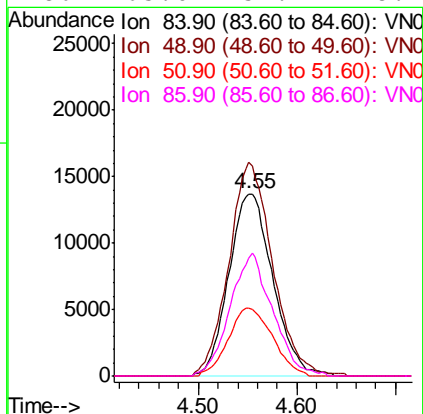
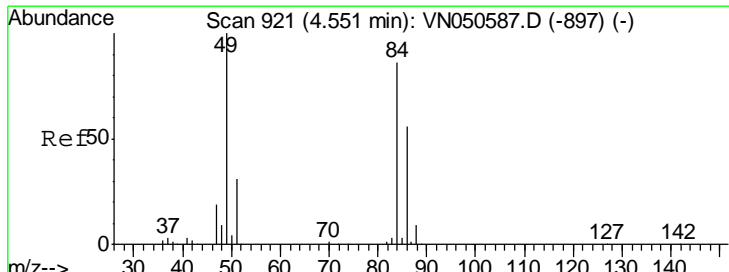
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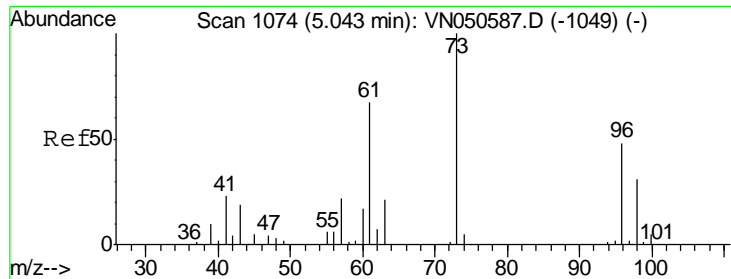
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#20
 Methylene Chloride
 Concen: 5.02 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
84	42435		
84	100		
49	117.3	92.6	138.8
51	37.0	28.6	43.0
86	65.0	52.2	78.2





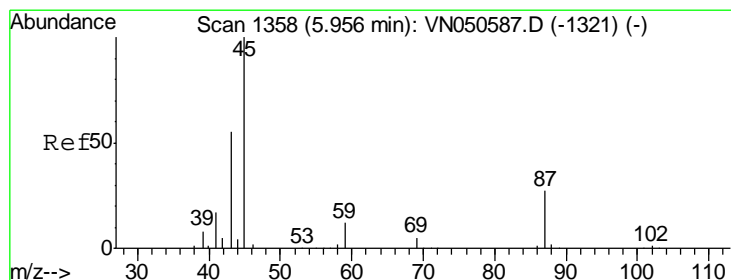
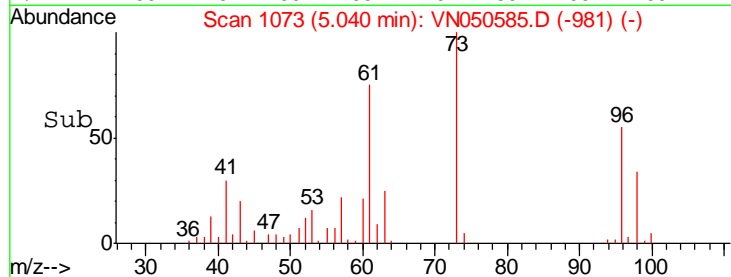
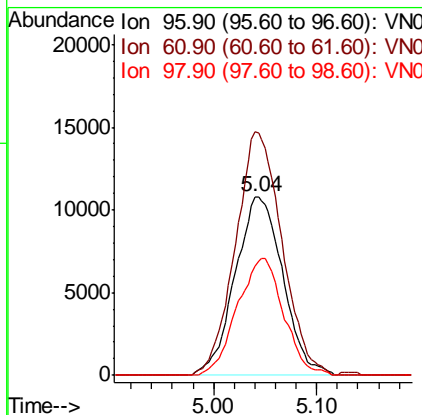
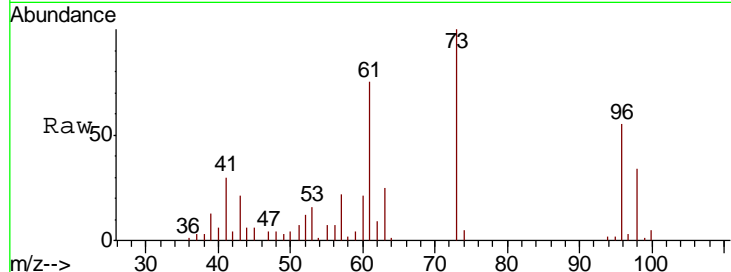
#21
 trans-1,2-Dichloroethene
 Concen: 5.21 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	34663		
96	100		
61	136.1	111.2	166.8
98	61.3	51.6	77.4

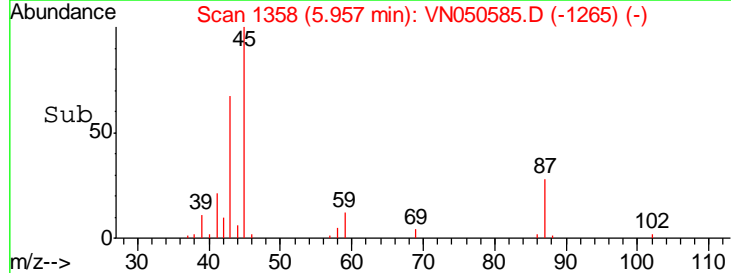
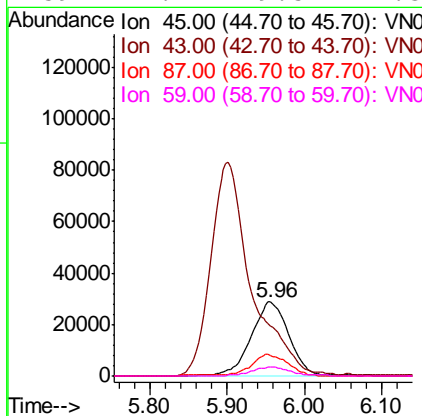
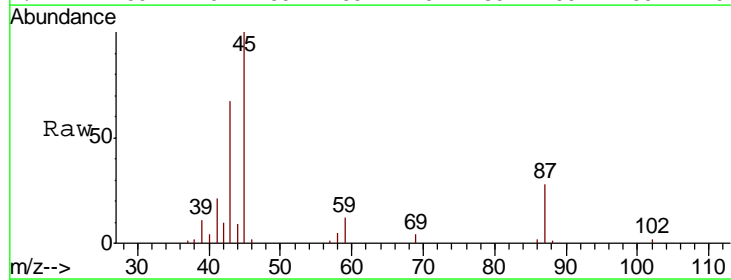
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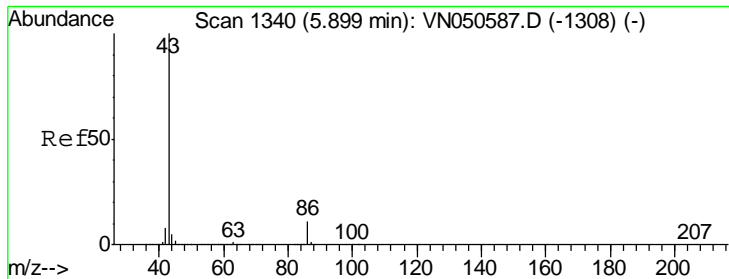
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#22
 Diisopropyl ether
 Concen: 4.88 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
45	97948		
45	100		
43	64.8	44.5	66.7
87	27.8	22.2	33.2
59	12.4	9.5	14.3





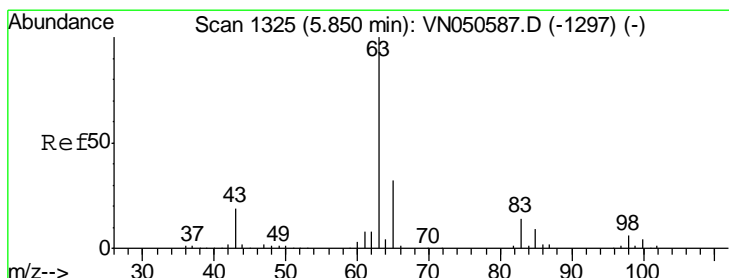
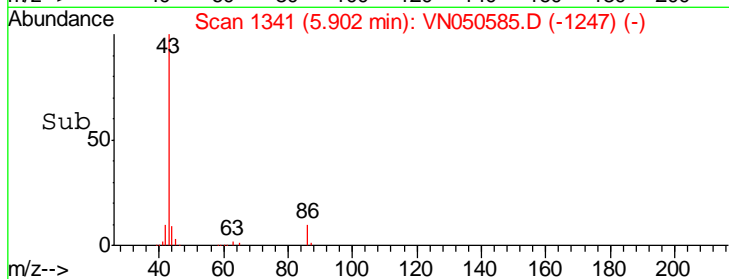
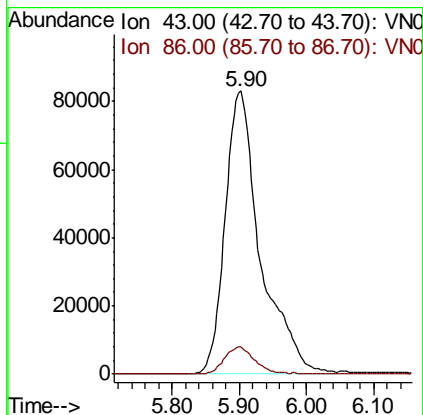
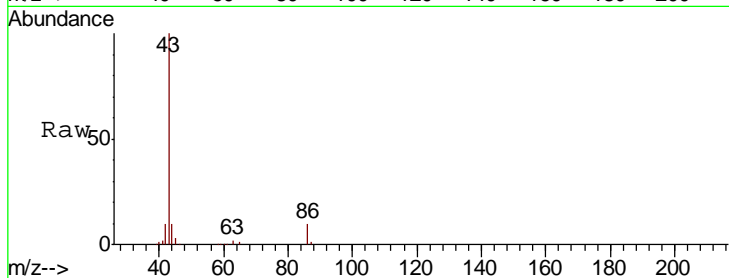
#23
 Vinyl Acetate
 Concen: 21.52 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	43	86	Resp	303684
Ion Ratio	100	9.7	Lower	Upper
			8.4	12.6

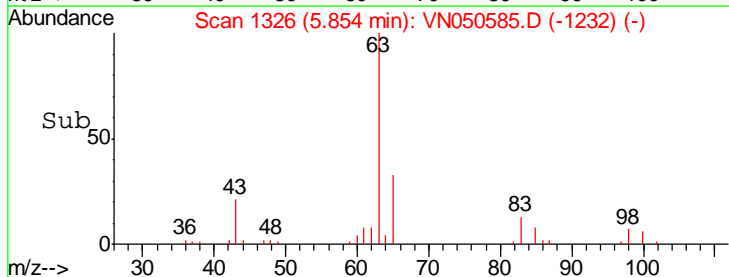
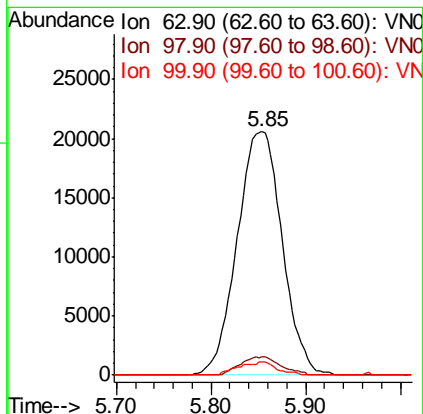
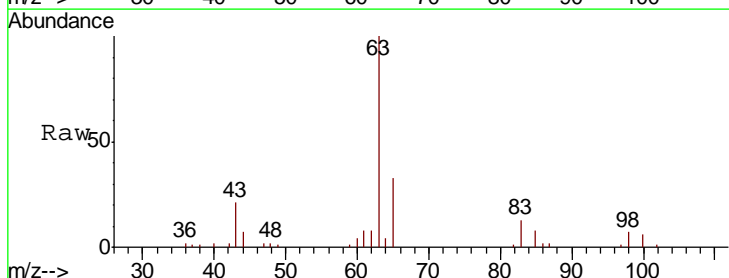
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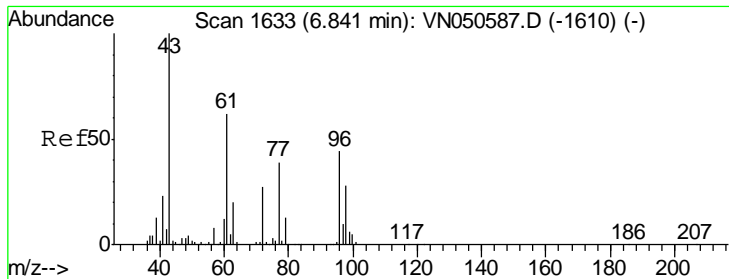
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#24
 1,1-Dichloroethane
 Concen: 5.49 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	63	98	100	Resp	67886
Ion Ratio	100	7.4	5.6	Lower	Upper
		3.2	2.1	9.6	6.5





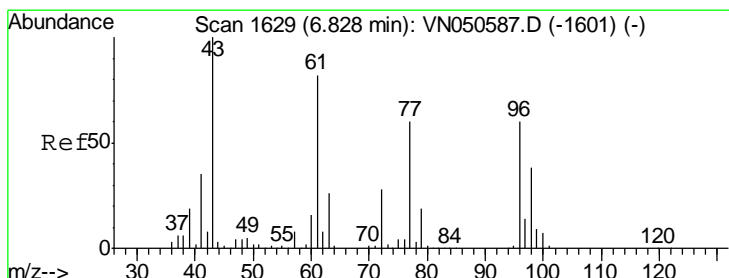
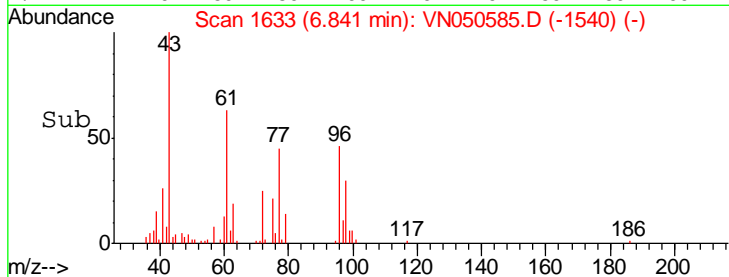
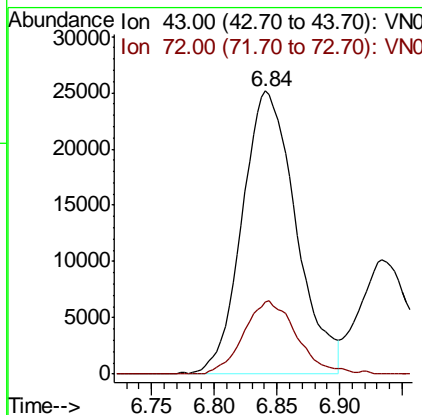
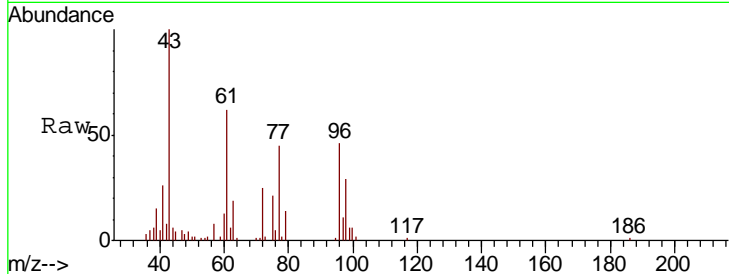
#25
 2-Butanone
 Concen: 20.83 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.3	21.8	32.6

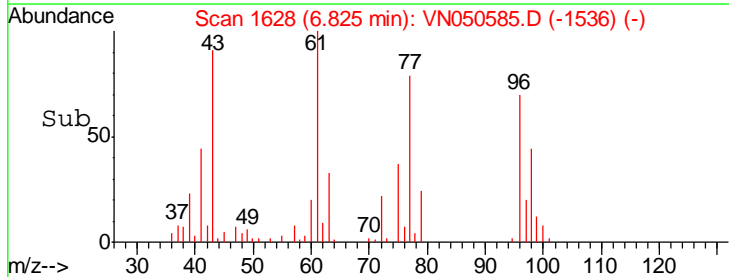
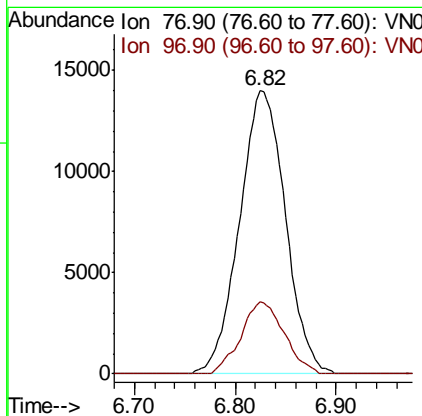
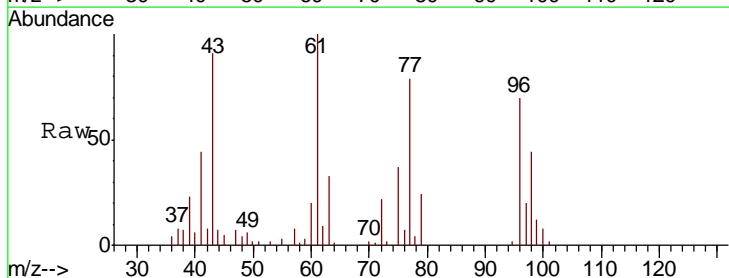
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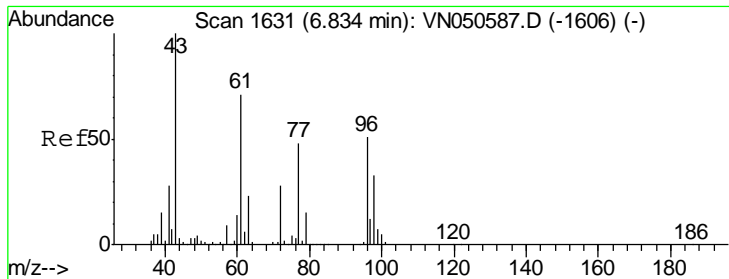
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#26
 2,2-Dichloropropane
 Concen: 4.47 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.0	12.2	36.4





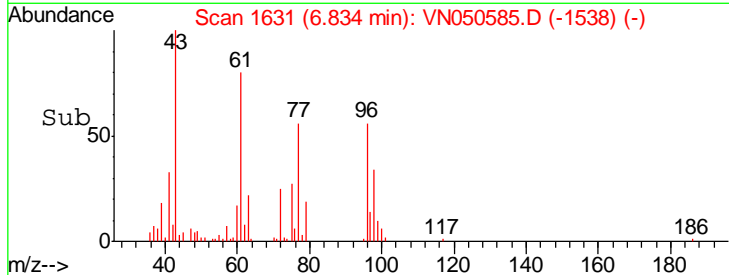
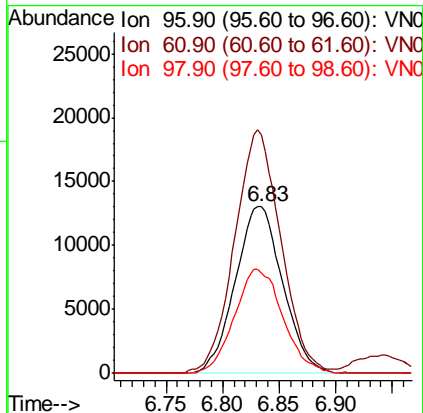
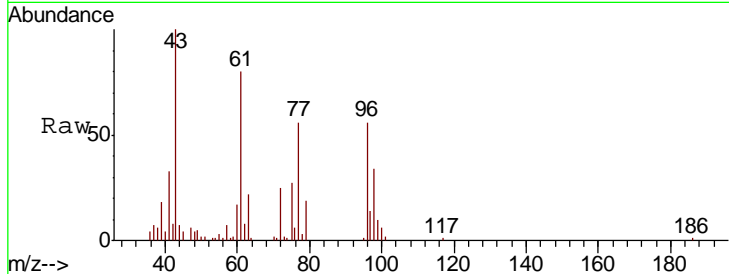
#27
 cis-1,2-Dichloroethene
 Concen: 5.17 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	38030		
96	100		
61	142.2	0.0	278.2
98	63.7	0.0	128.8

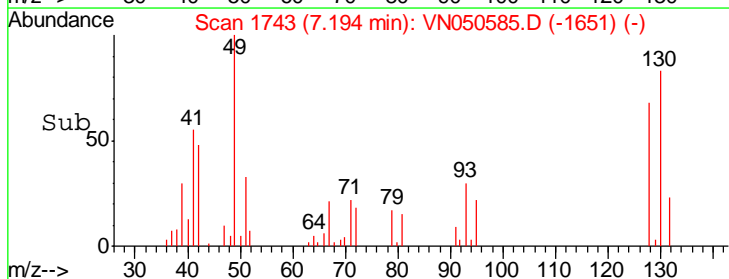
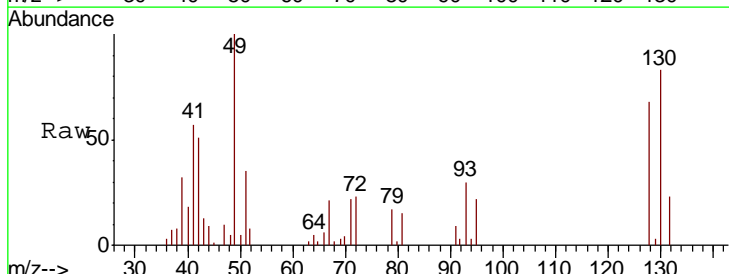
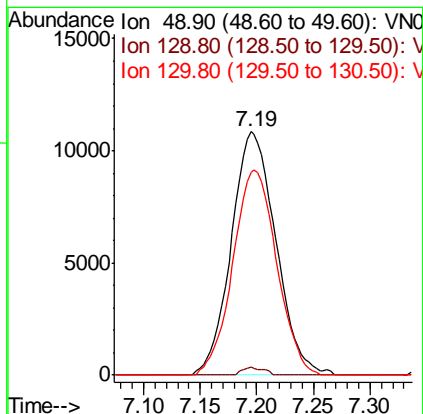
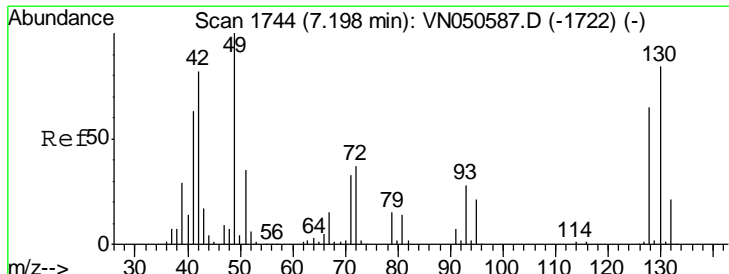
Manual Integrations
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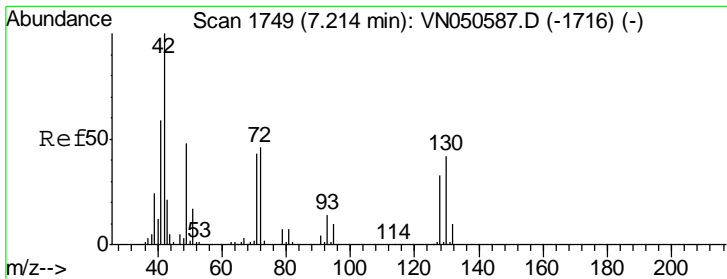
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#28
 Bromochloromethane
 Concen: 5.22 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
49	29728		
49	100		
129	1.5	0.0	4.2
130	82.8	66.8	100.2





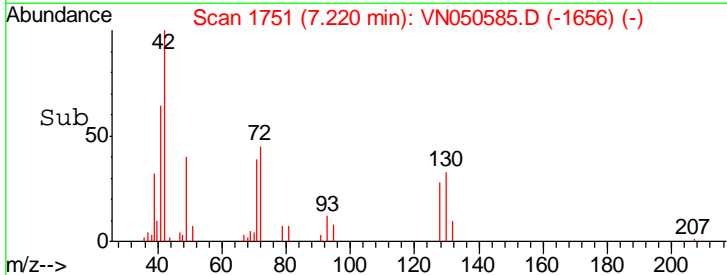
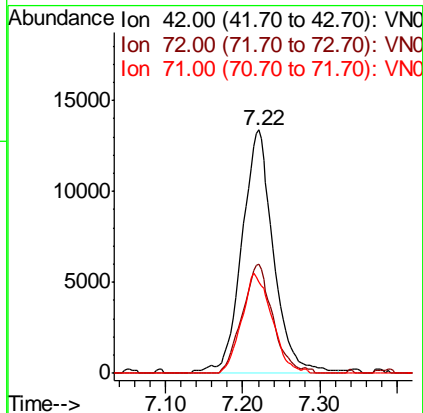
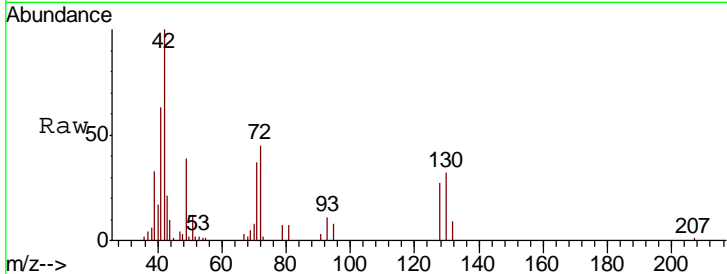
#29
 Tetrahydrofuran
 Concen: 19.63 ug/l
 RT: 7.22 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
42	38089		
72	42.5	35.8	53.6
71	39.1	33.4	50.0

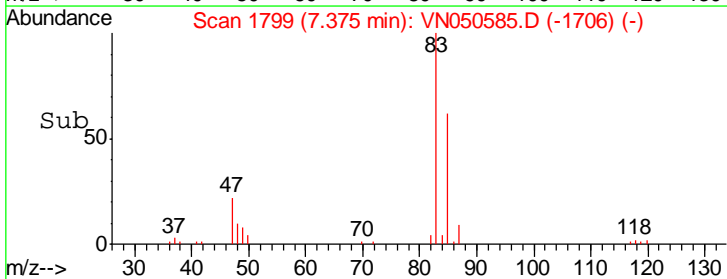
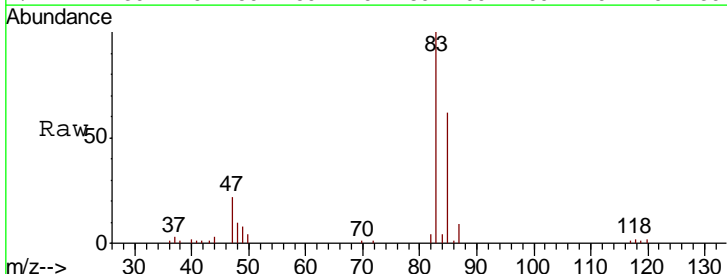
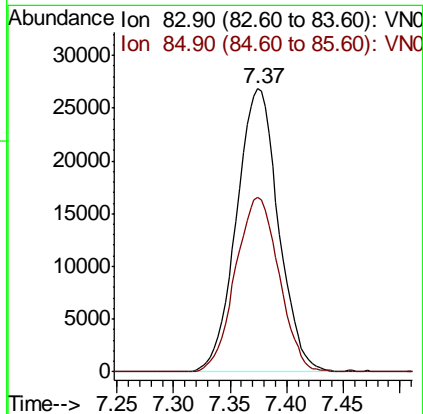
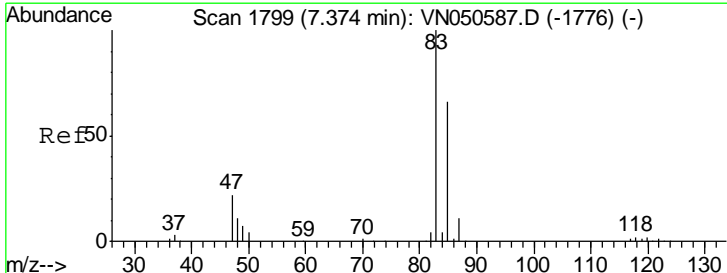
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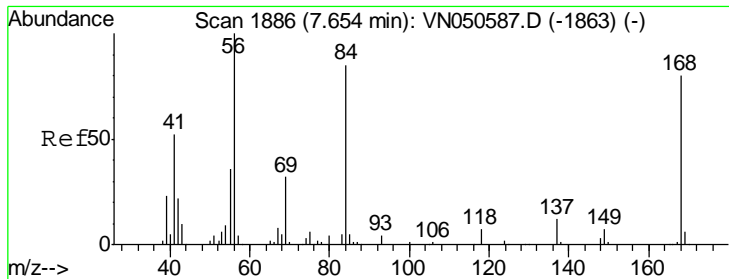
MMDadoda
 8/15/2018 3:20:57 PM



#30
 Chloroform
 Concen: 5.60 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
83	69236		
85	61.8	52.5	78.7





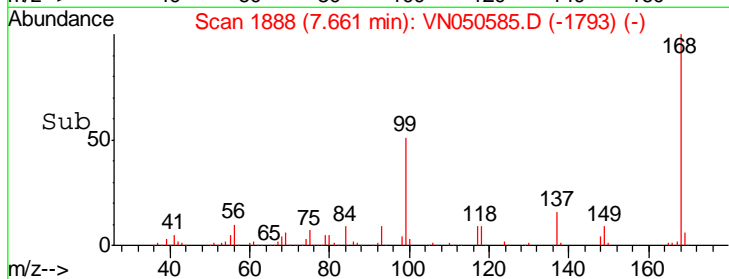
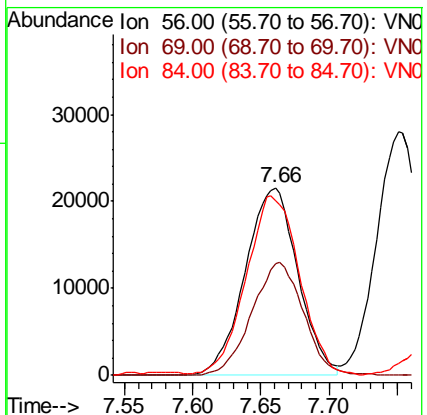
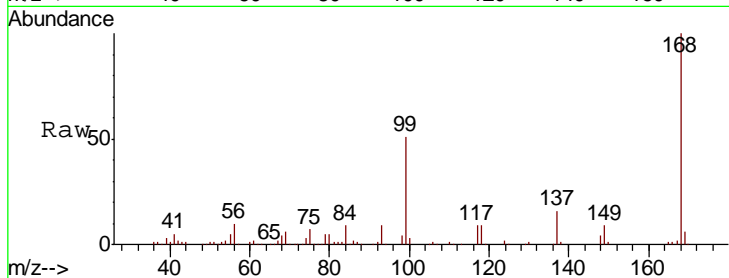
#31
 Cyclohexane
 Concen: 4.67 ug/l
 RT: 7.66 min Scan# 1888
 Delta R.T. 0.01 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	100		
69	59.6	25.8	38.6
84	92.4	67.8	101.6

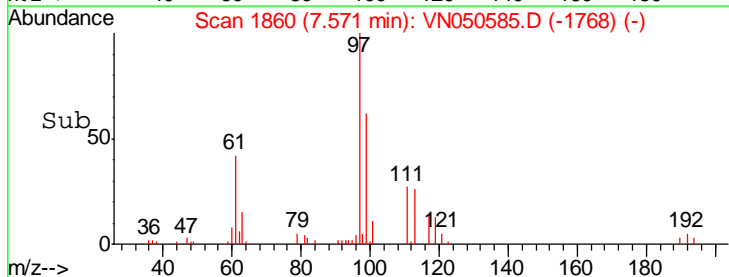
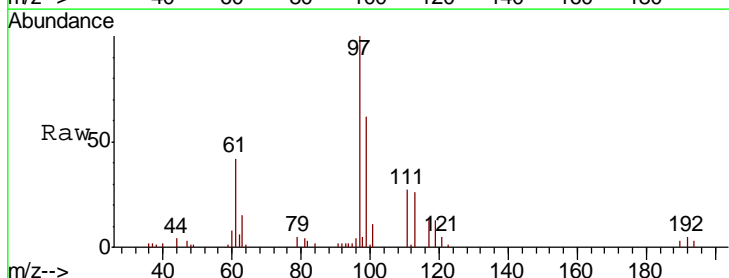
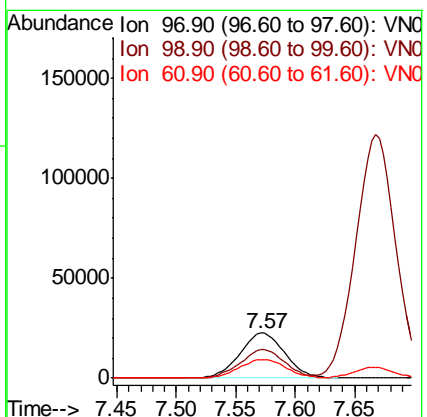
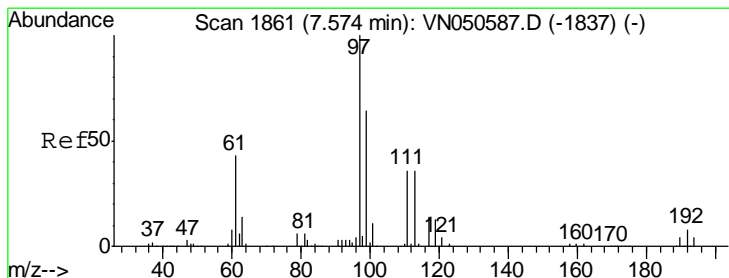
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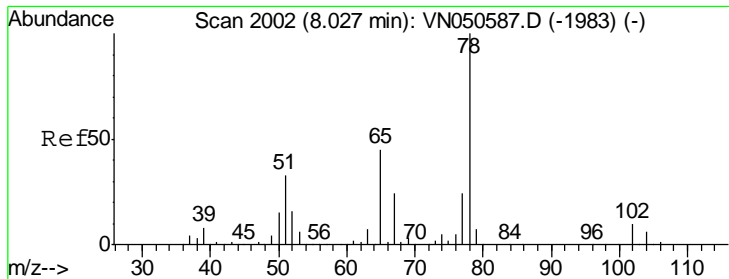
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 5.57 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.2	51.1	76.7
61	42.9	34.8	52.2





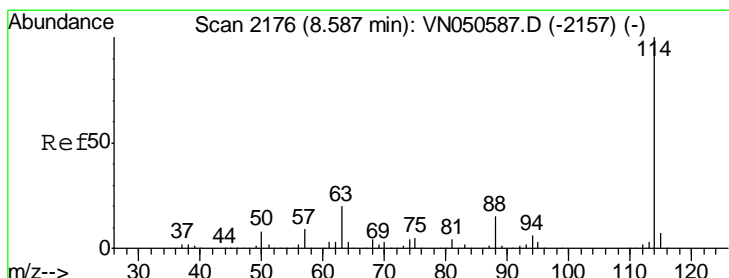
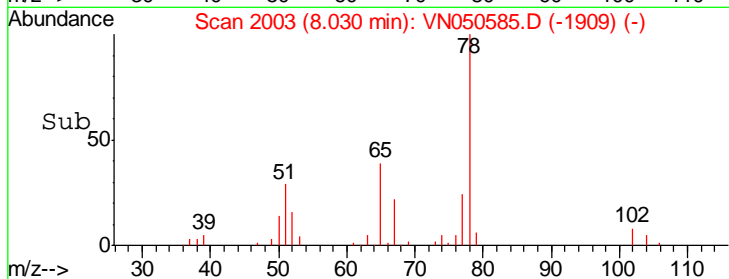
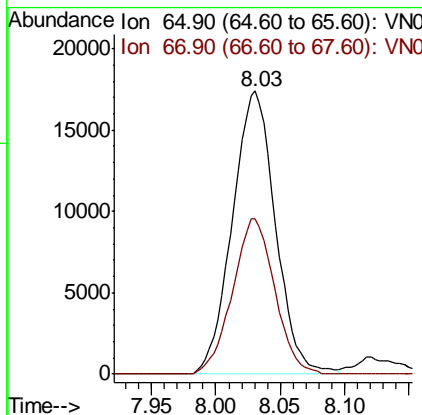
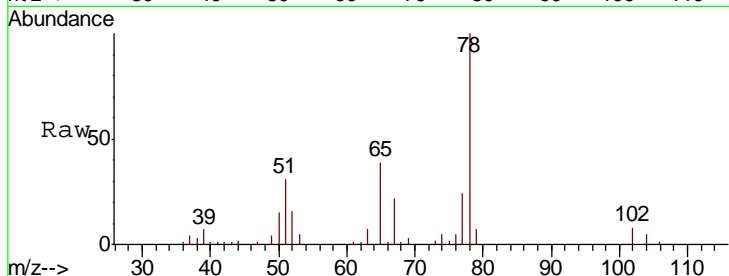
#33
 1,2-Dichloroethane-d4
 Concen: 5.35 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
65	40386		
65	100		
67	53.7	0.0	109.8

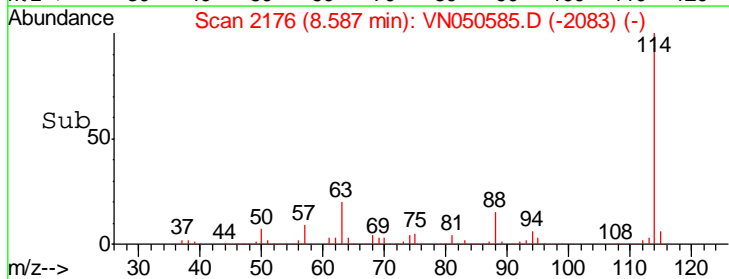
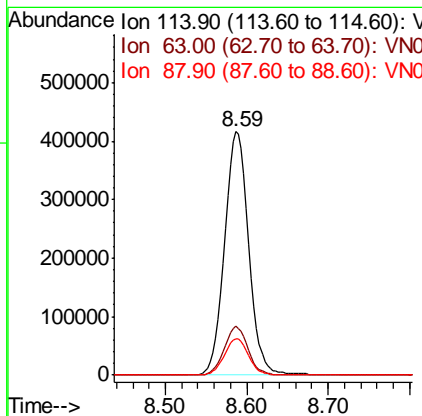
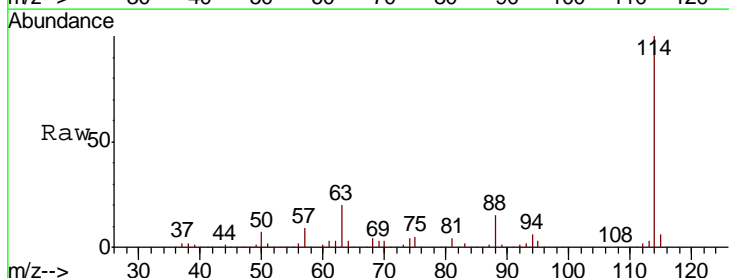
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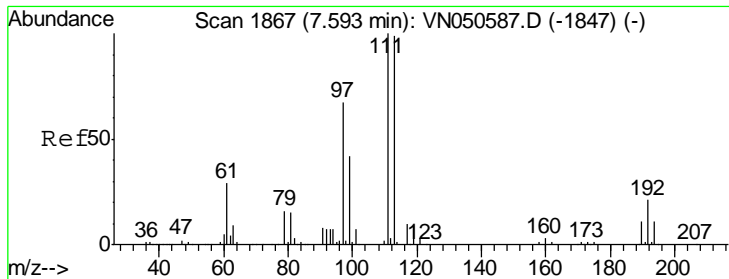
MMDadoda
 8/15/2018 3:20:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
114	873040		
114	100		
63	20.0	0.0	40.0
88	14.9	0.0	30.8





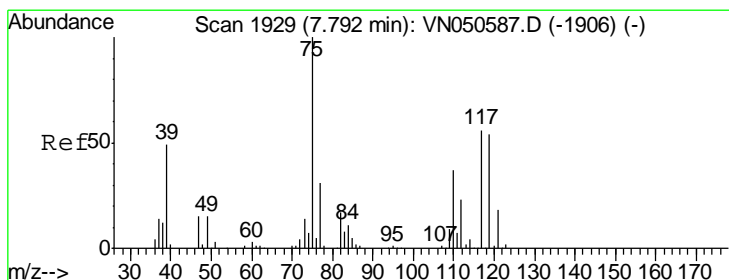
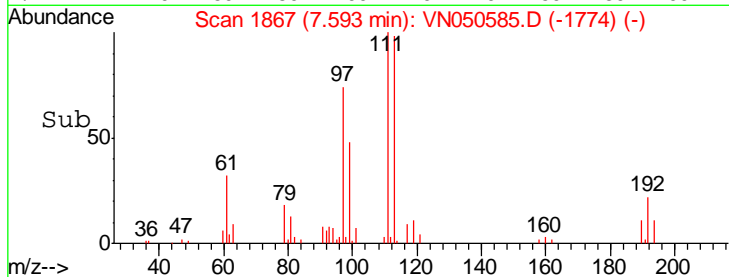
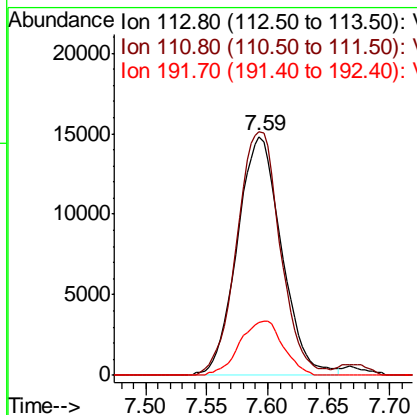
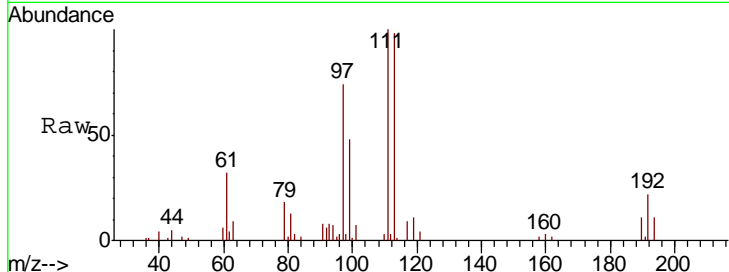
#35
 Dibromofluoromethane
 Concen: 5.32 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
113	37283		
113	100		
111	100.2	81.0	121.6
192	22.3	17.6	26.4

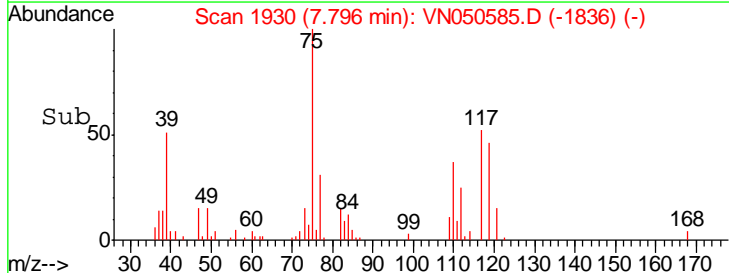
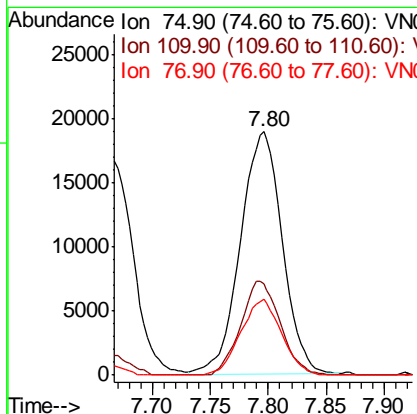
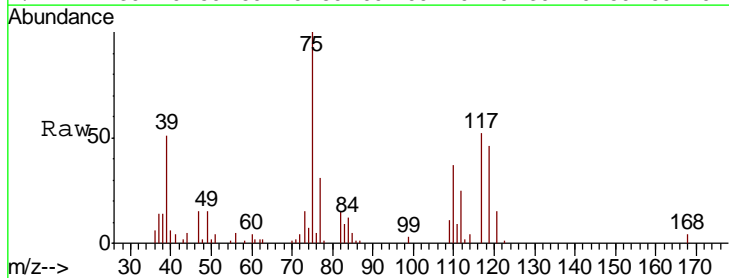
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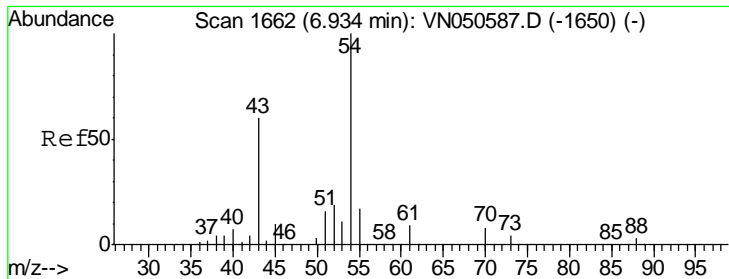
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#36
 1,1-Dichloropropene
 Concen: 4.93 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
75	47178		
75	100		
110	36.7	18.3	54.9
77	30.6	25.0	37.4





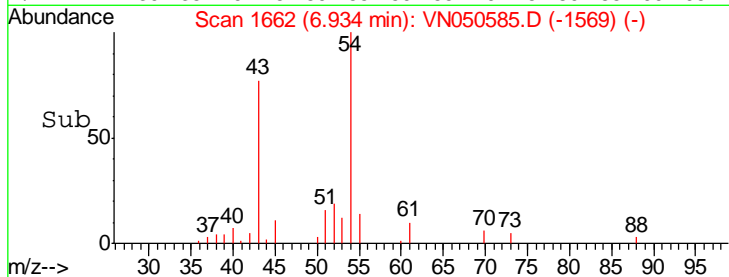
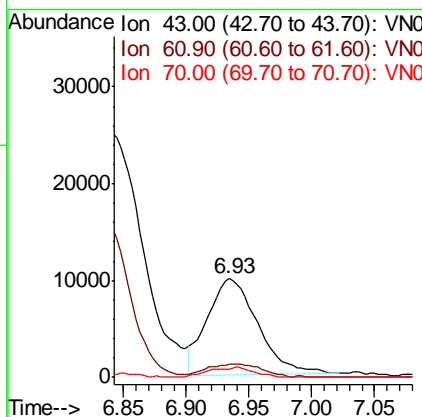
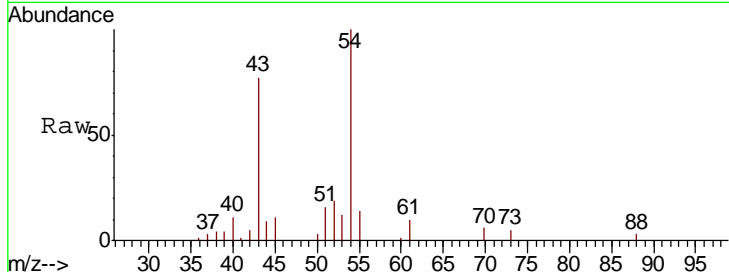
#37
 Ethyl Acetate
 Concen: 4.22 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
61	15.4	12.0	18.0
70	4.6	8.5	12.7#

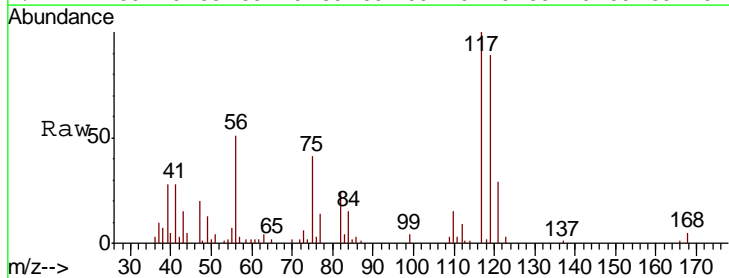
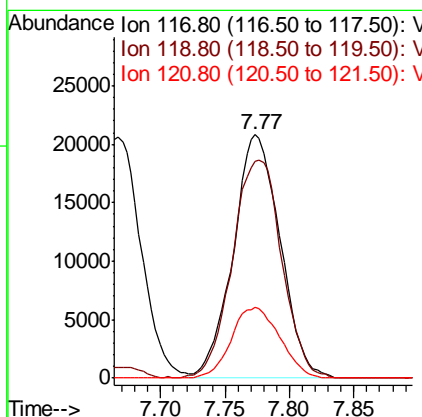
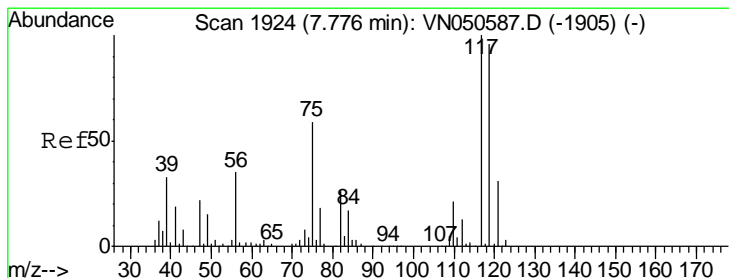
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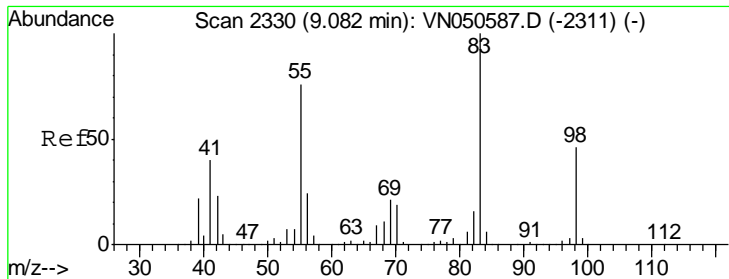
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#38
 Carbon Tetrachloride
 Concen: 5.28 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
117	100		
119	89.1	76.6	115.0
121	29.1	25.0	37.6





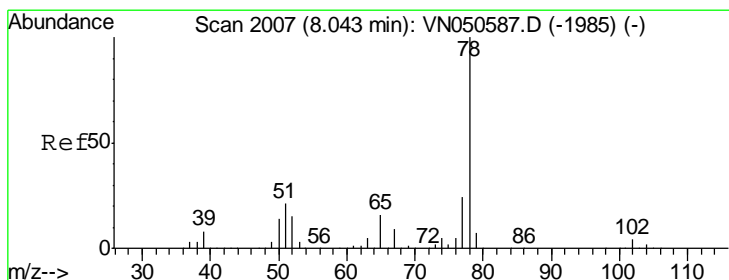
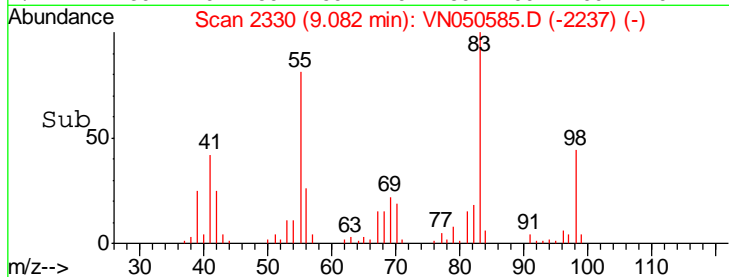
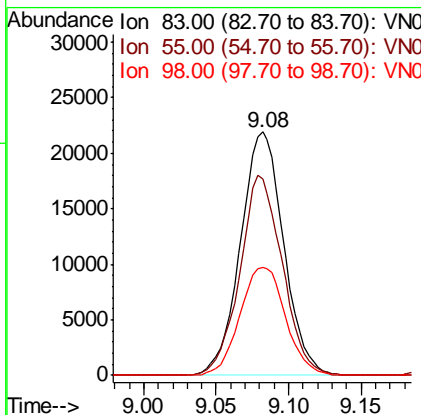
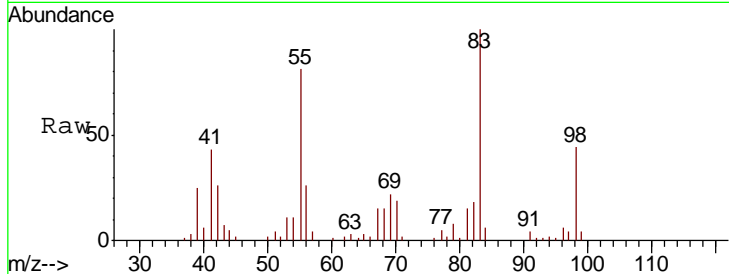
#39
 Methylcyclohexane
 Concen: 4.34 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	45351		
83	100		
55	80.6	60.6	91.0
98	44.3	37.0	55.4

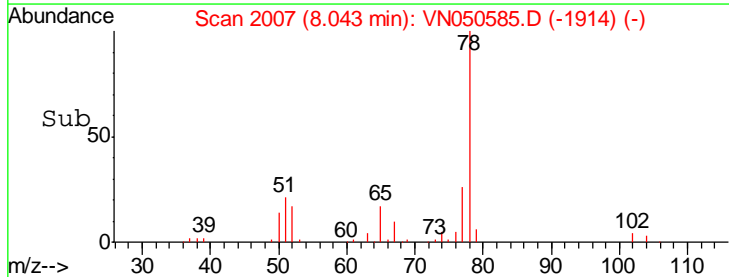
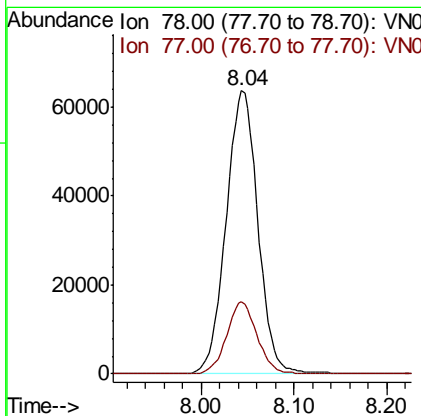
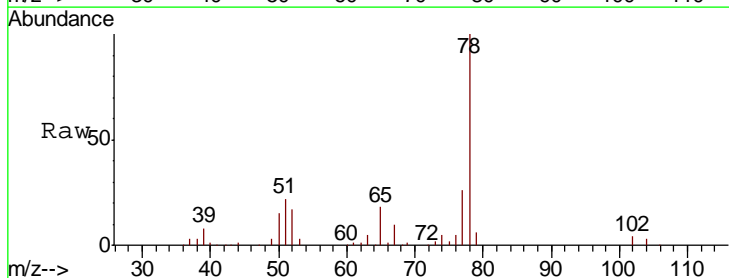
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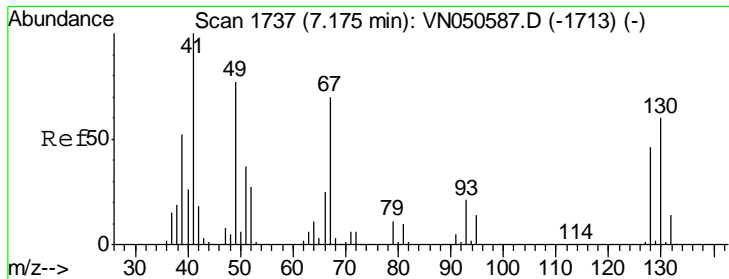
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#40
 Benzene
 Concen: 5.14 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
78	151535		
78	100		
77	25.6	19.0	28.6





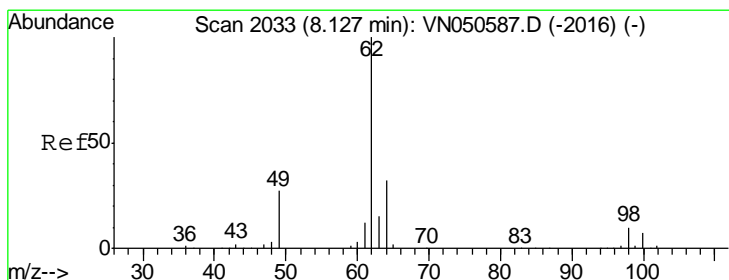
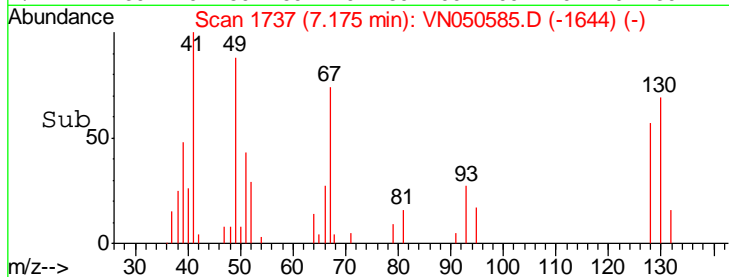
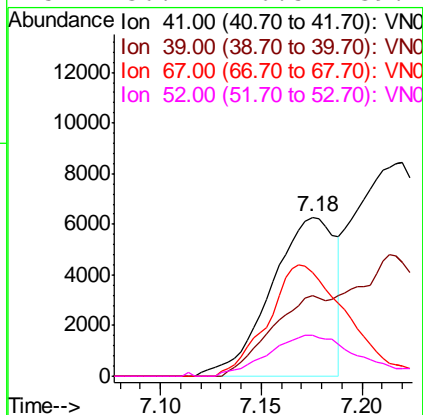
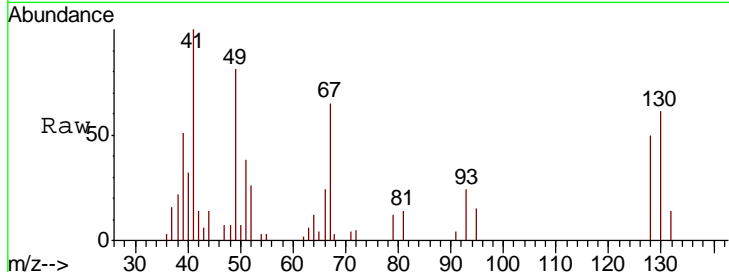
#41
 Methacrylonitrile
 Concen: 3.88 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
41	100		
39	42.2	44.6	66.8#
67	86.5	66.7	100.1
52	36.4	26.5	39.7

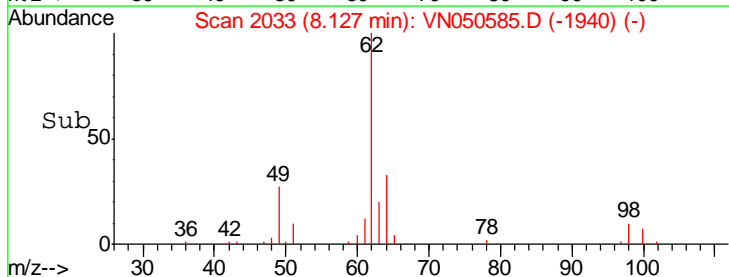
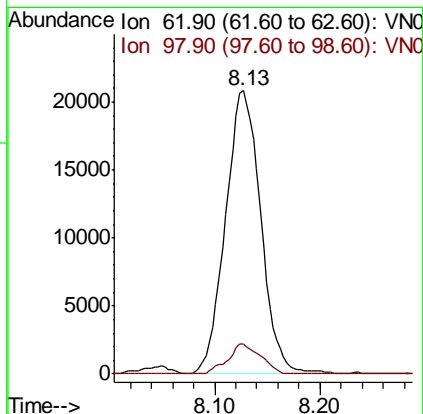
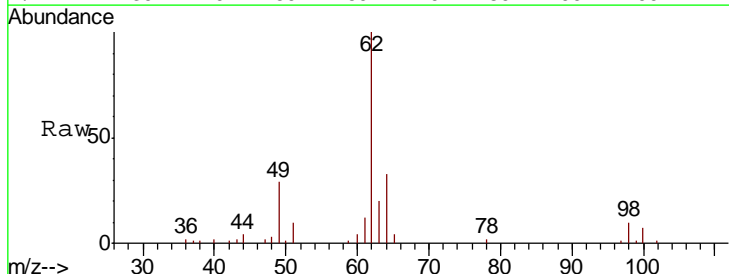
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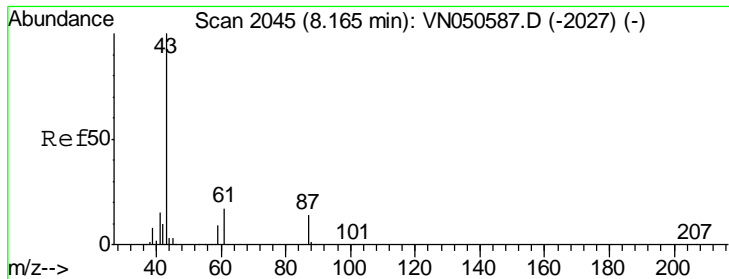
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#42
 1,2-Dichloroethane
 Concen: 5.21 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.7	0.0	19.4





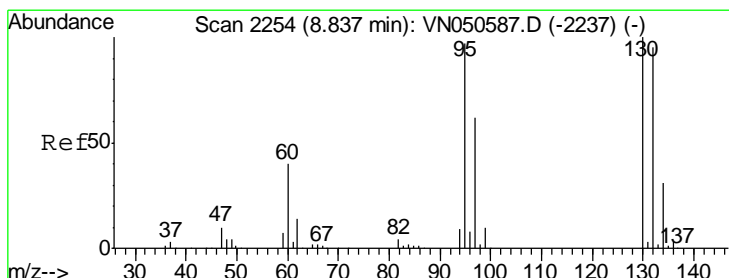
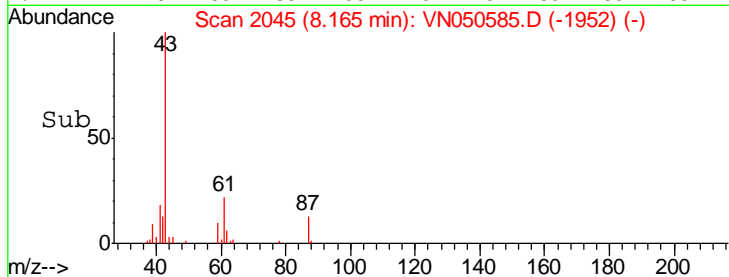
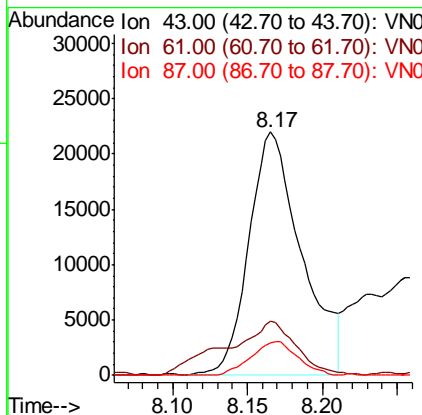
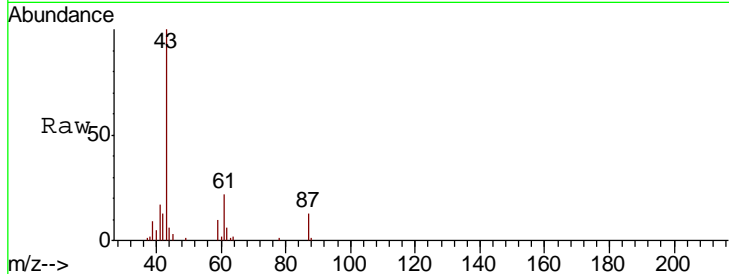
#43
 Isopropyl Acetate
 Concen: 4.65 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.7	16.2	24.2
87	12.2	10.9	16.3

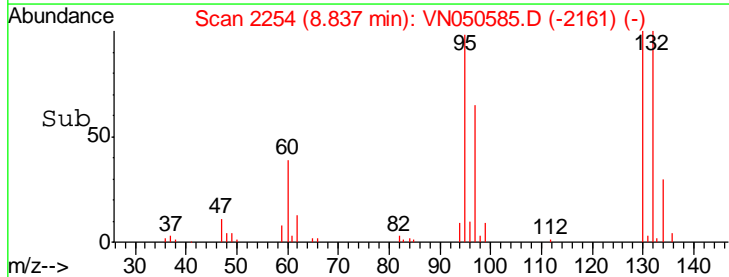
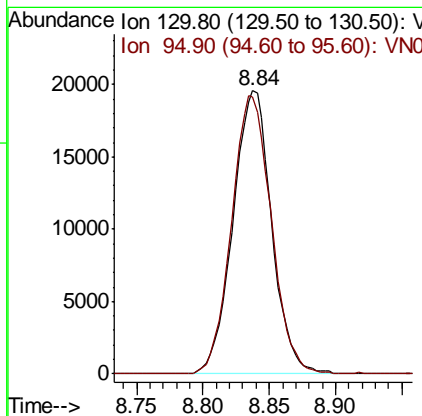
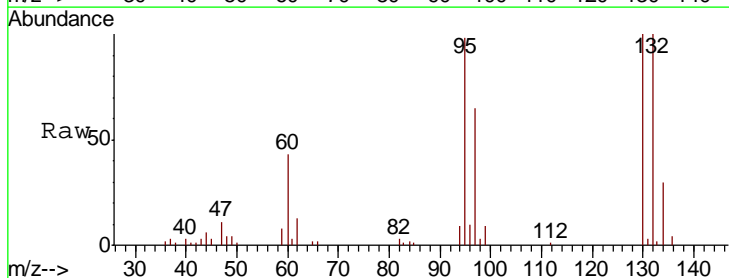
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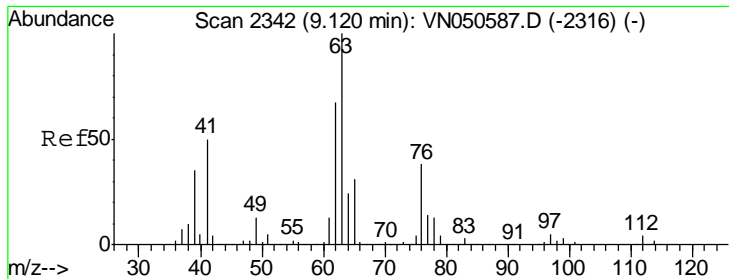
MMDadoda
 8/15/2018 3:20:57 PM



#44
 Trichloroethene
 Concen: 5.00 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
130	100		
95	98.1	0.0	193.8





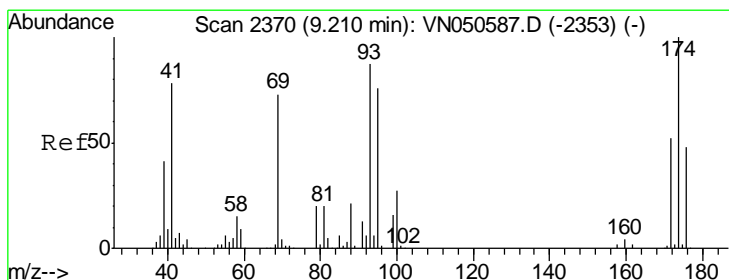
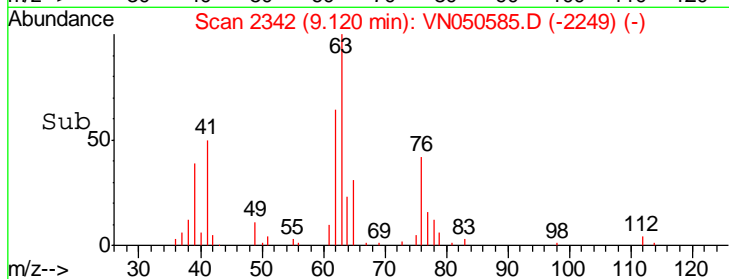
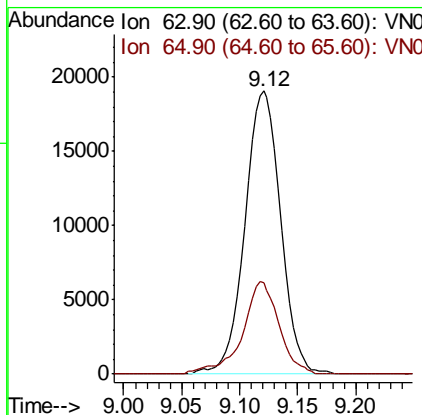
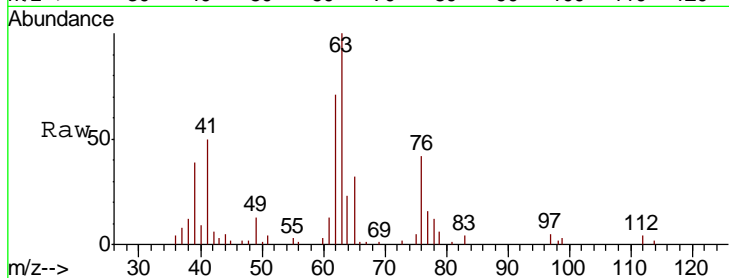
#45
 1,2-Dichloropropane
 Concen: 5.29 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
63	40974		
63	100		
65	32.2	24.5	36.7

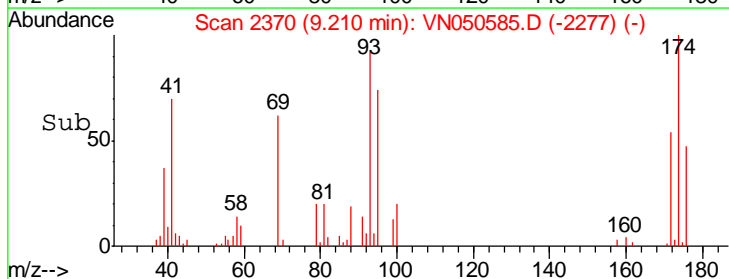
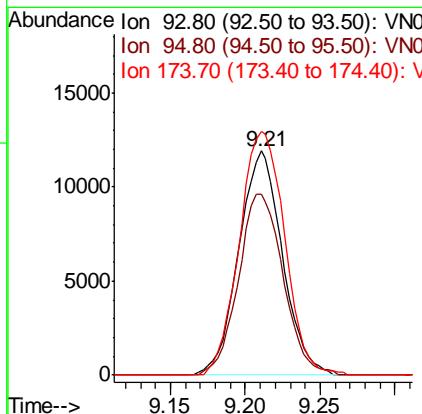
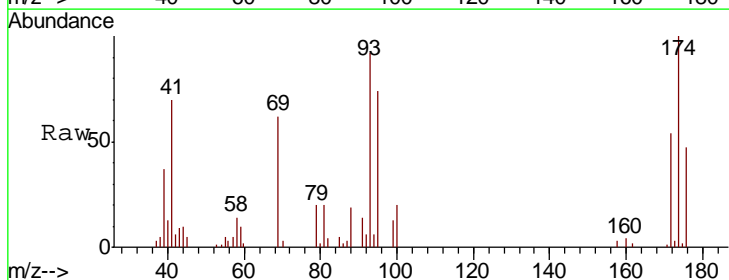
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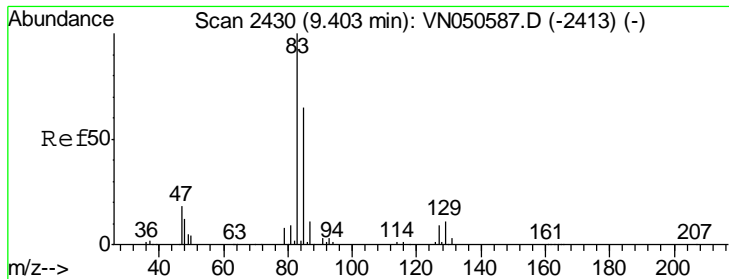
MMDadoda
 8/15/2018 3:20:57 PM



#46
 Dibromomethane
 Concen: 5.11 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
93	24196		
93	100		
95	82.8	69.1	103.7
174	112.7	91.0	136.6





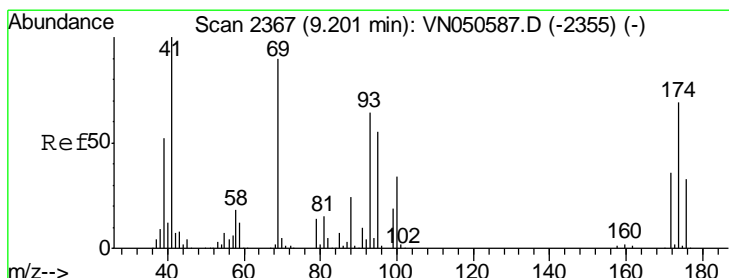
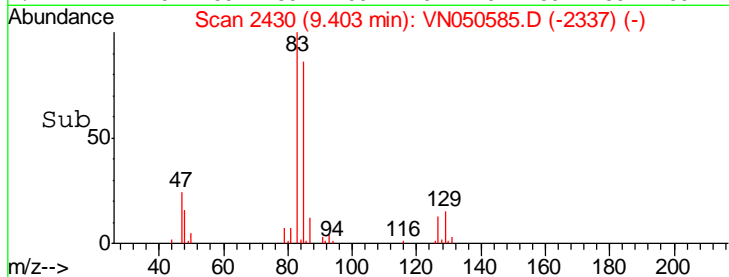
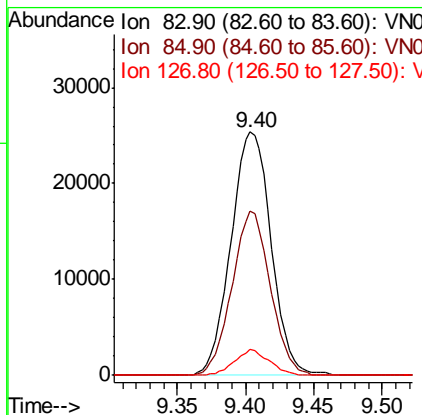
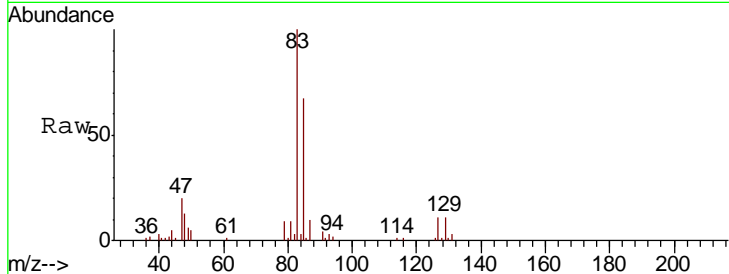
#47
 Bromodichloromethane
 Concen: 5.23 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	51826		
85	67.3	51.8	77.6
127	10.5	7.2	10.8

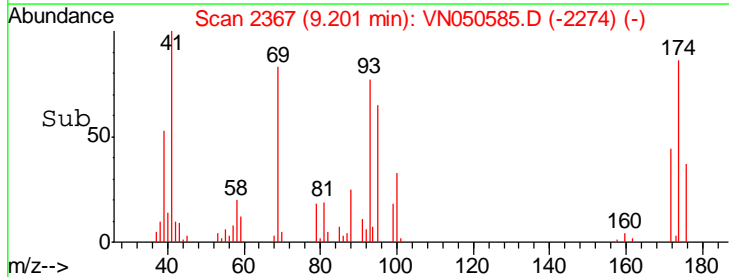
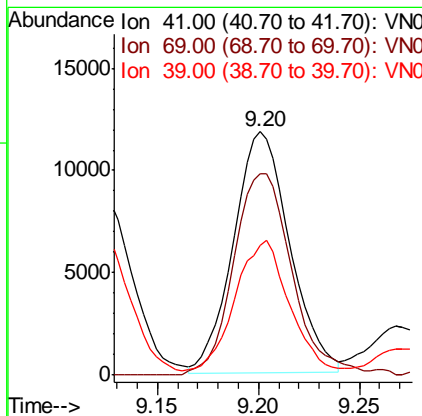
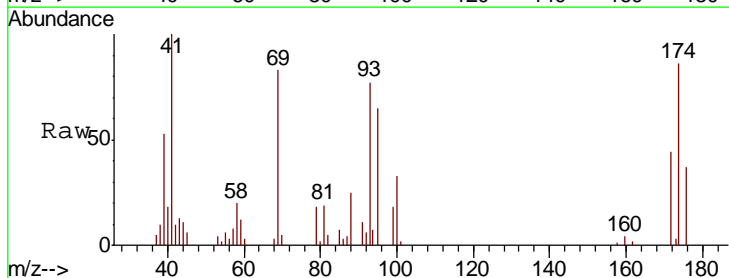
Manual Integrations
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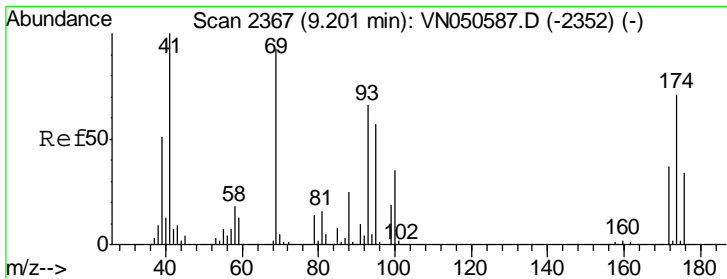
MMDadoda
 8/15/2018 3:20:57 PM



#48
 Methyl methacrylate
 Concen: 4.00 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
41	23102		
69	86.3	73.4	110.0
39	55.4	43.0	64.6





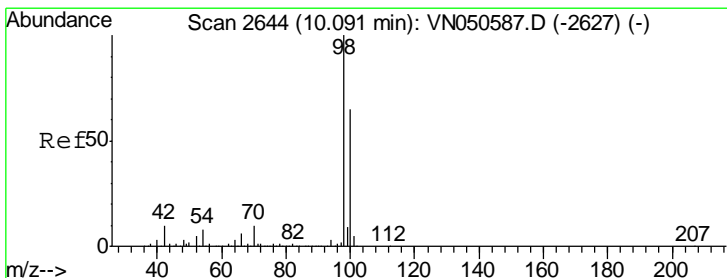
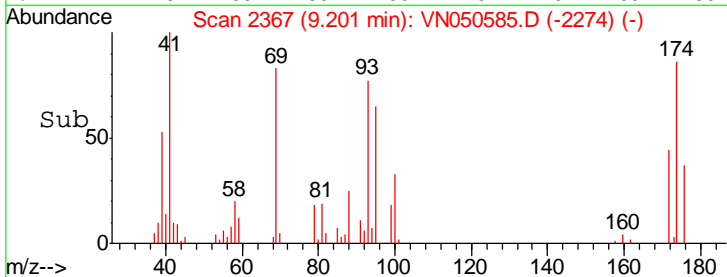
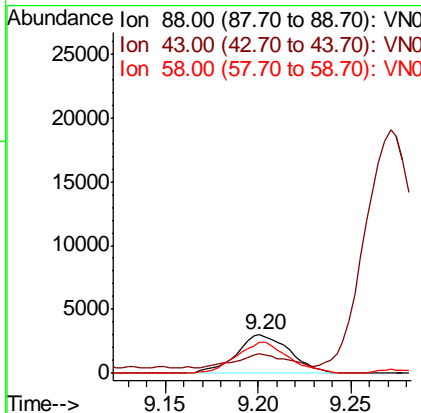
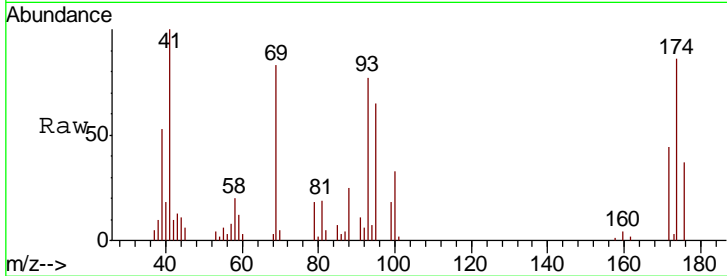
#49
 1,4-Dioxane
 Concen: 68.19 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
88	100		
43	32.1	25.9	38.9
58	80.2	56.5	84.7

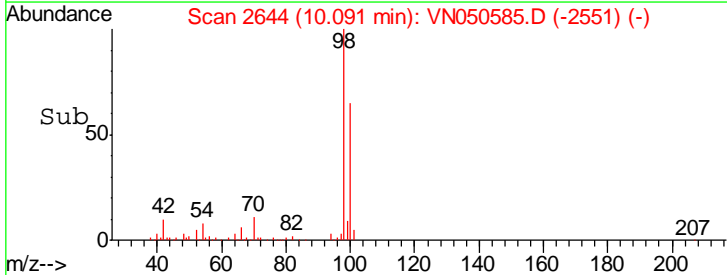
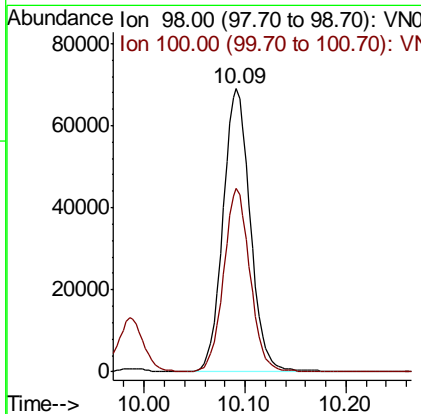
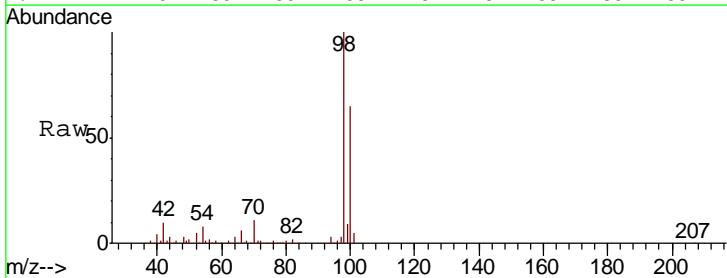
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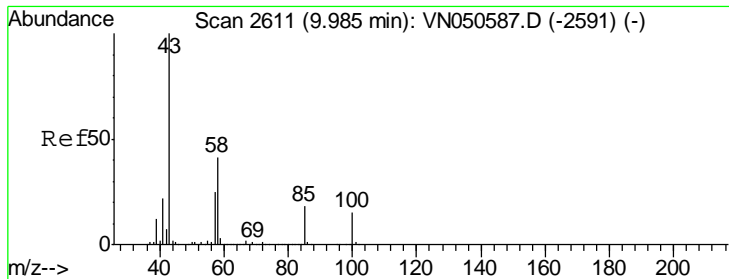
MMDadoda
 8/15/2018 3:20:57 PM



#50
 Toluene-d8
 Concen: 4.94 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
98	100		
100	62.8	51.8	77.8





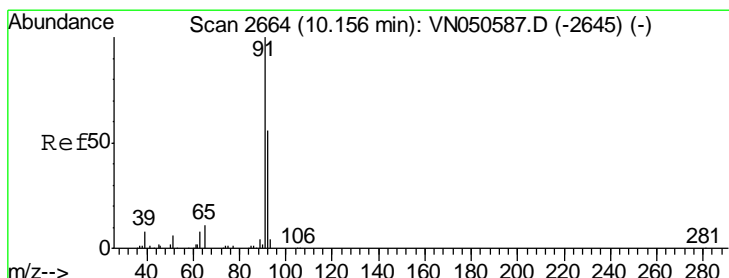
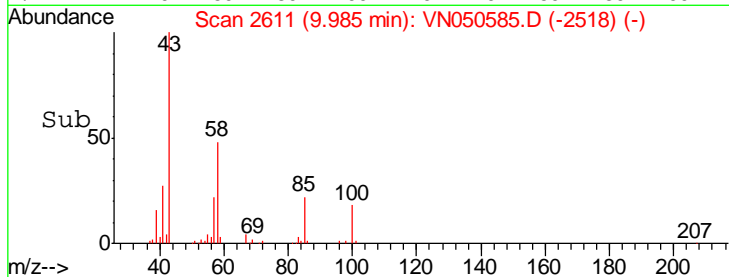
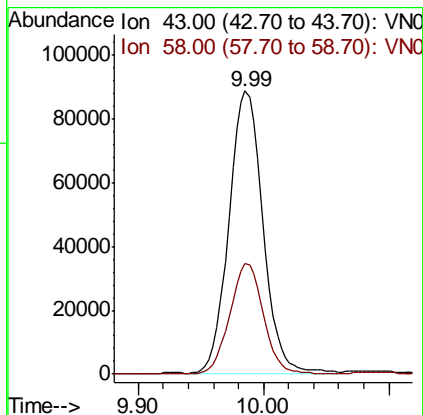
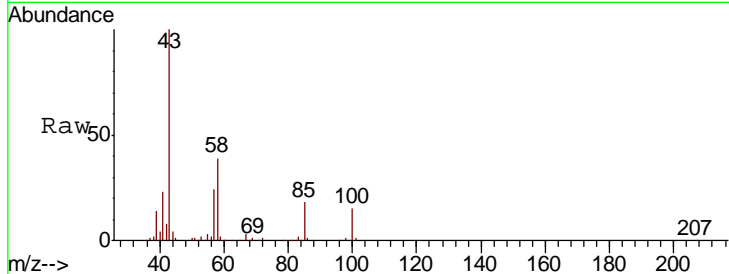
#51
 4-Methyl-2-Pentanone
 Concen: 20.05 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
58	39.1	32.5	48.7

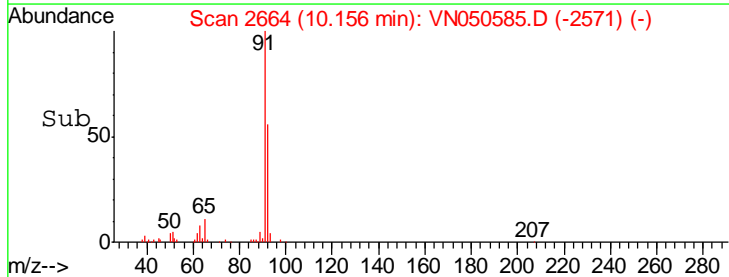
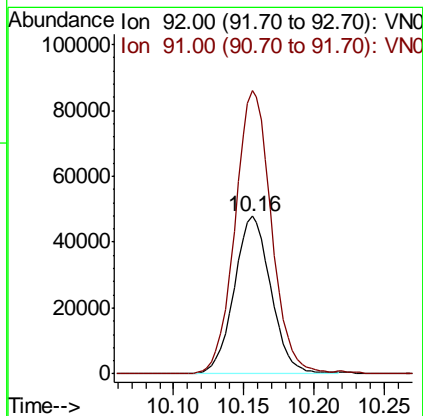
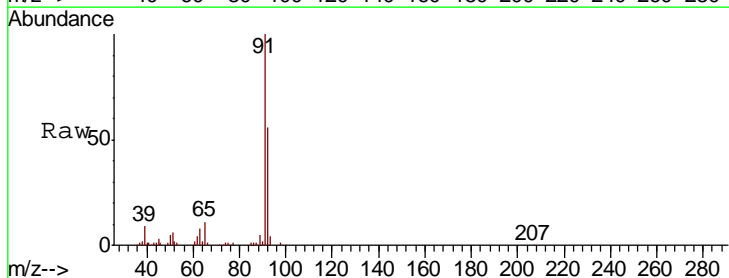
Manual Integrations
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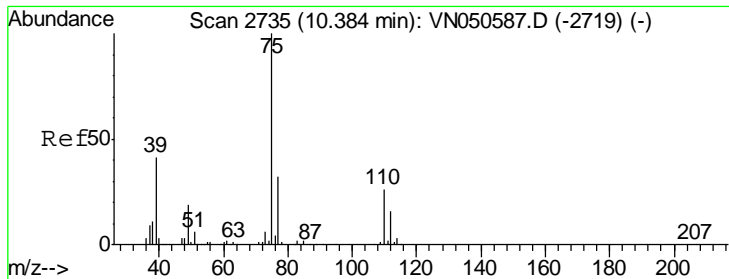
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#52
 Toluene
 Concen: 4.94 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
92	100		
91	177.8	141.9	212.9





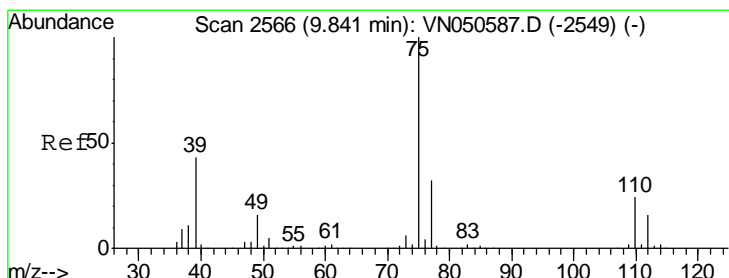
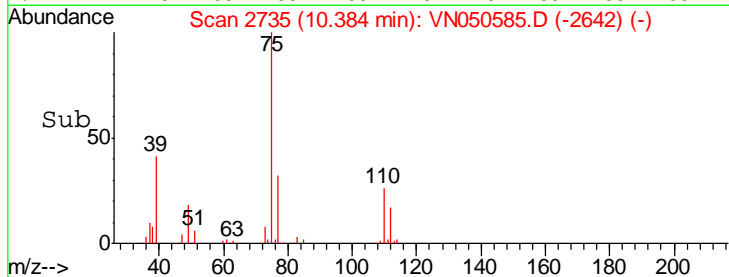
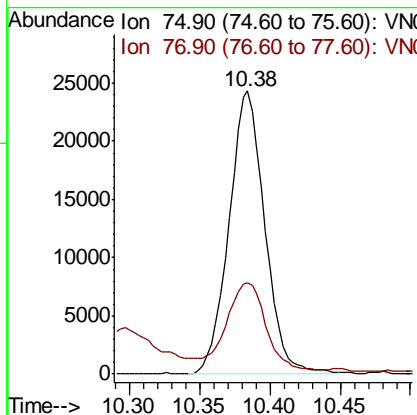
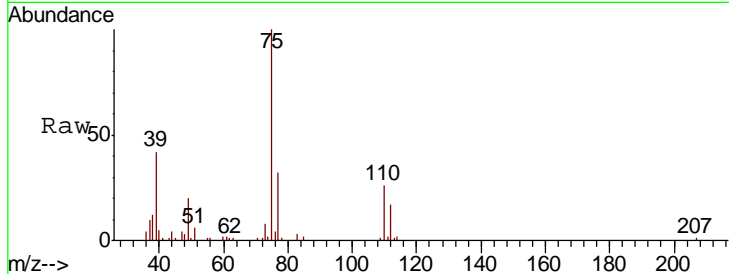
#53
 t-1,3-Dichloropropene
 Concen: 4.40 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	43301		
75	100		
77	30.4	25.8	38.6

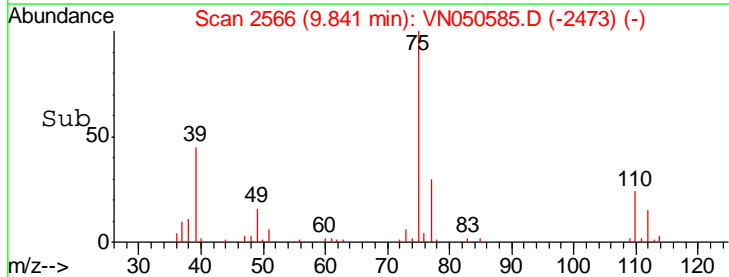
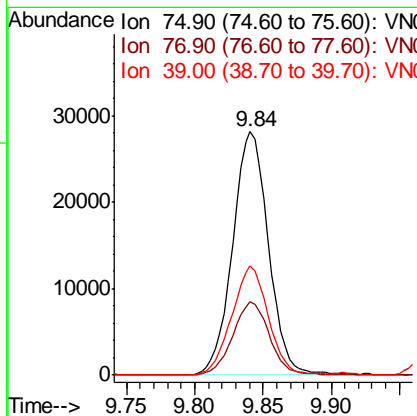
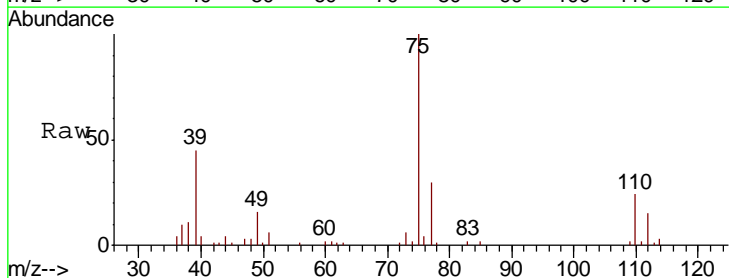
Manual Integrations
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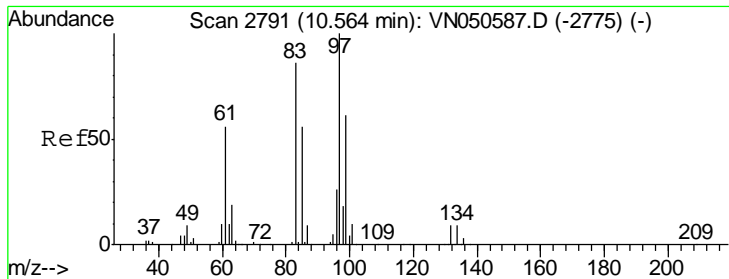
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#54
 cis-1,3-Dichloropropene
 Concen: 4.66 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
75	51353		
75	100		
77	30.1	25.6	38.4
39	44.6	34.4	51.6



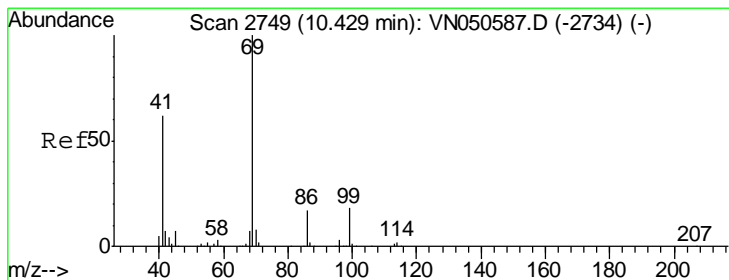
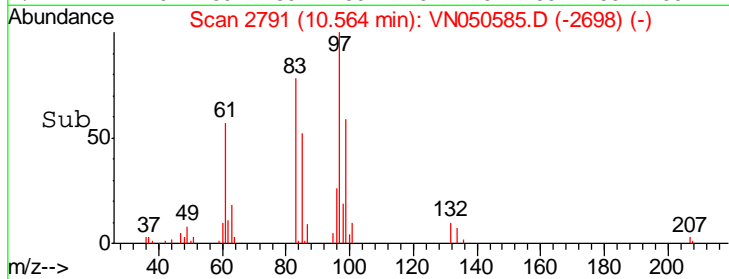
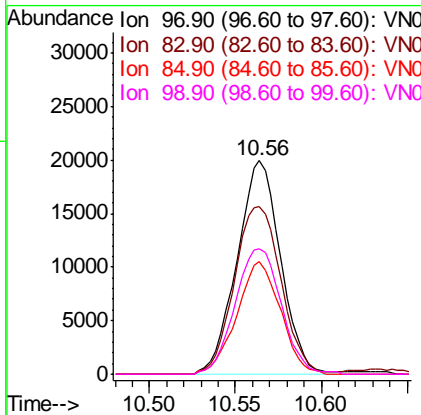
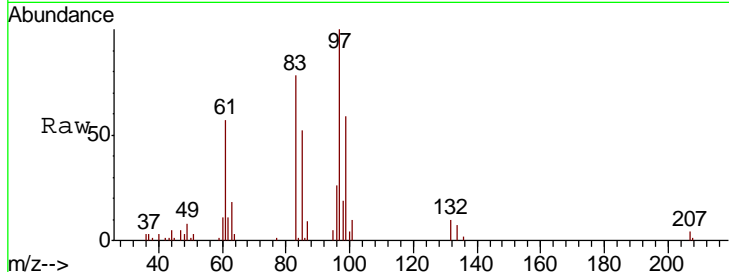


#55
 1,1,2-Trichloroethane
 Concen: 5.10 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

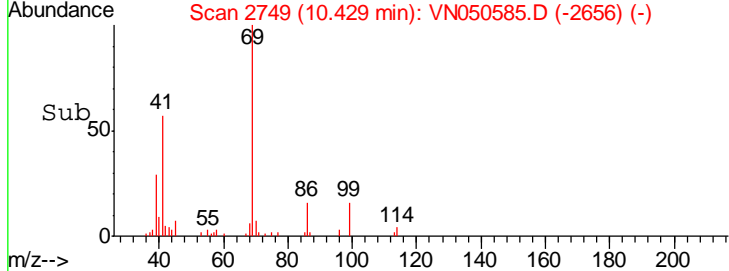
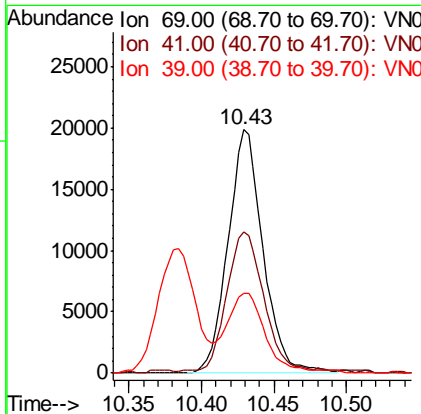
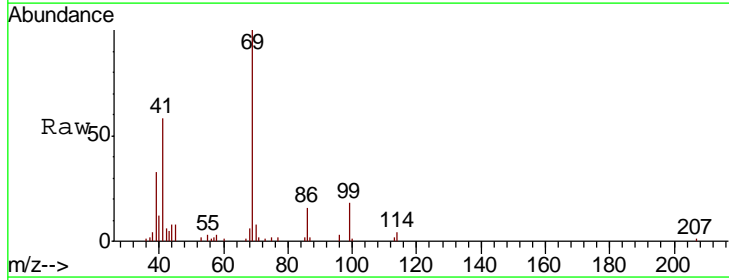
Tgt Ion	Resp	Lower	Upper
97	34942		
97	100		
83	78.3	68.5	102.7
85	52.5	44.6	66.8
99	59.0	49.1	73.7

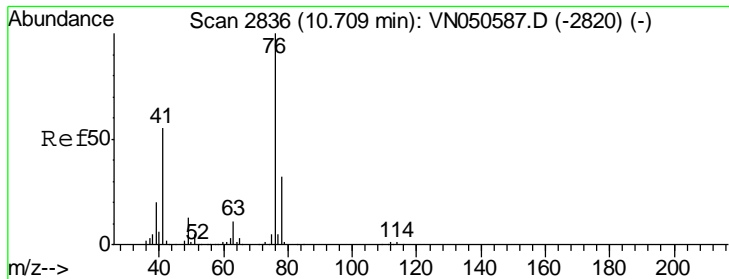
Manual Integrations
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 8/15/2018 3:20:57 PM



#56
 Ethyl methacrylate
 Concen: 3.91 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
69	33345		
69	100		
41	59.5	49.7	74.5
39	32.7	24.2	36.2





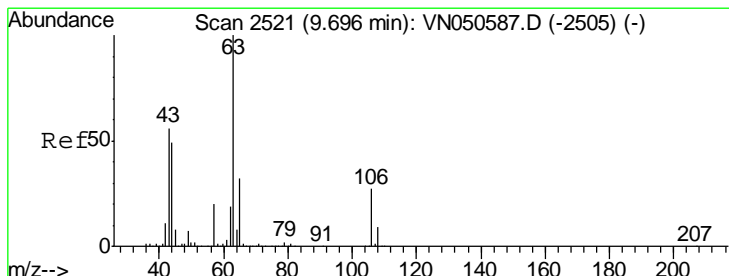
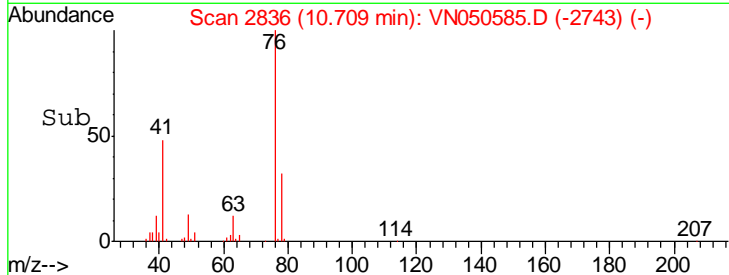
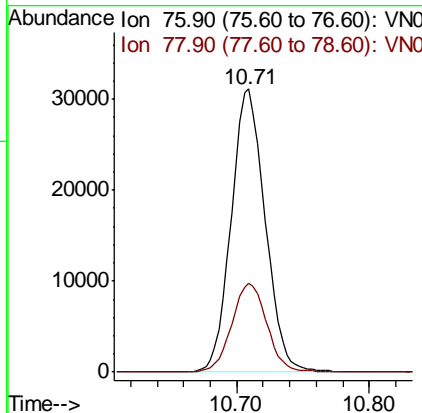
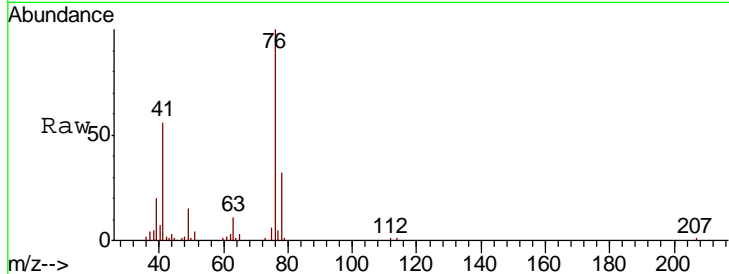
#57
 1,3-Dichloropropane
 Concen: 4.92 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	55385		
76	100		
78	32.3	25.8	38.6

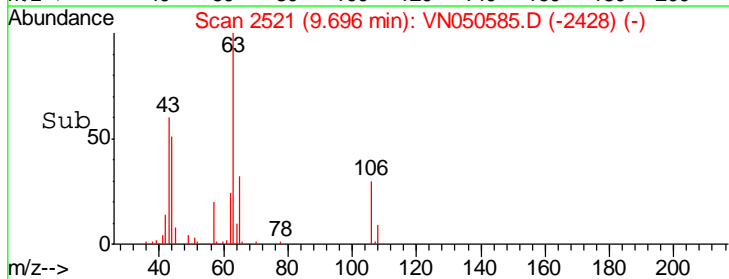
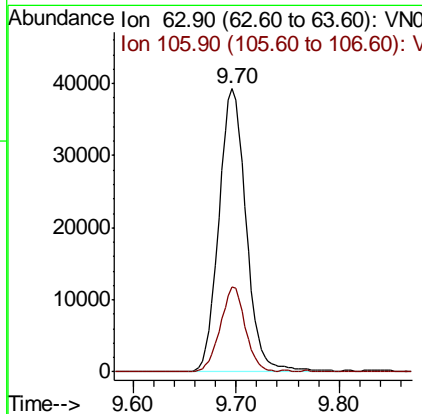
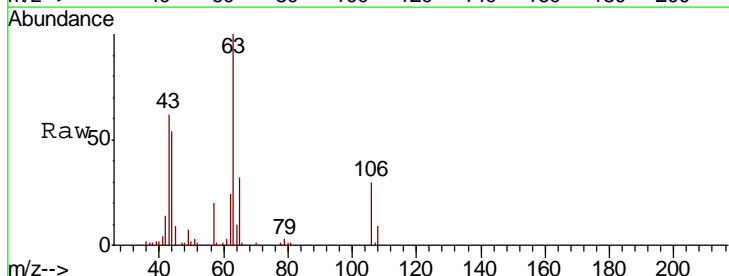
Manual Integrations
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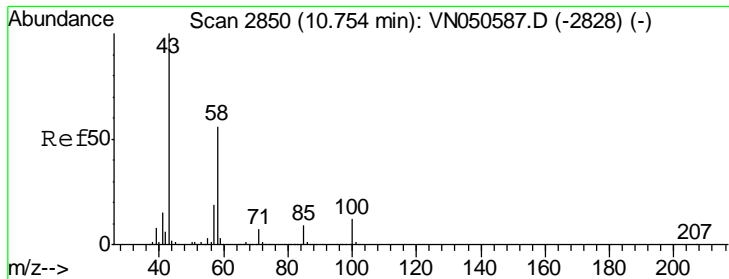
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 8/15/2018 3:20:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 18.18 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
63	72350		
63	100		
106	27.5	21.7	32.5





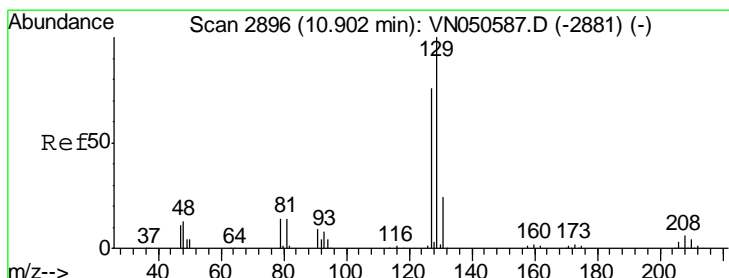
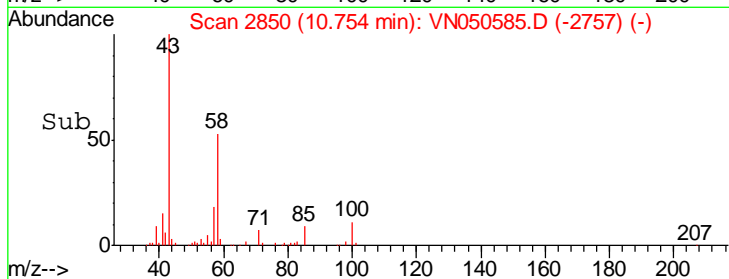
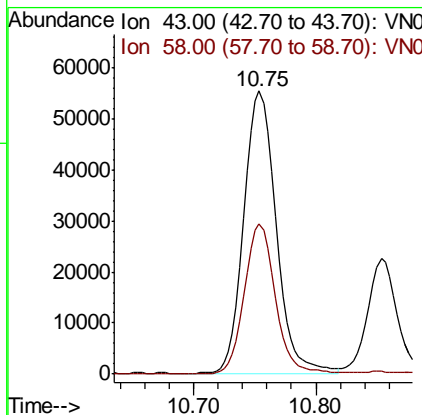
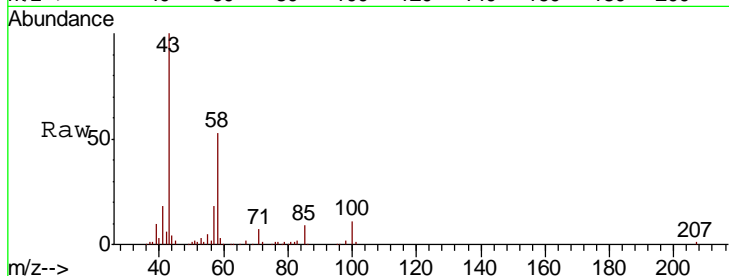
#59
 2-Hexanone
 Concen: 17.82 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	102073		
58	50.2	28.0	84.0

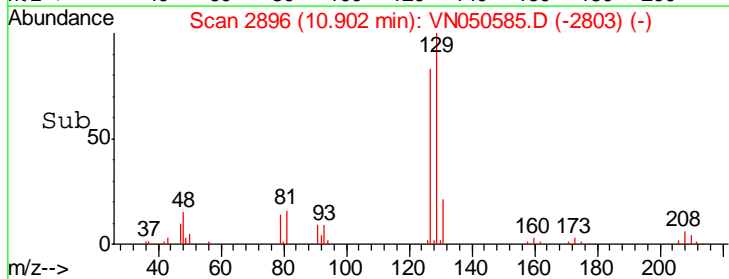
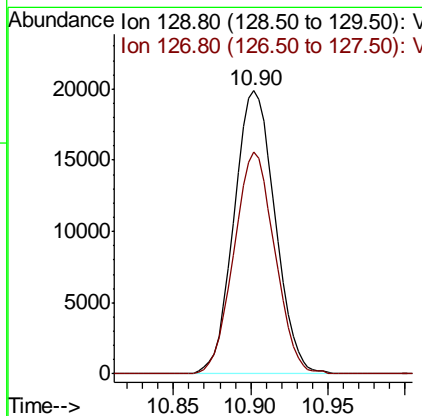
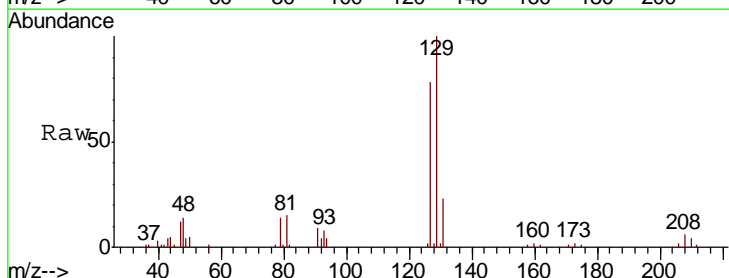
Manual Integrations
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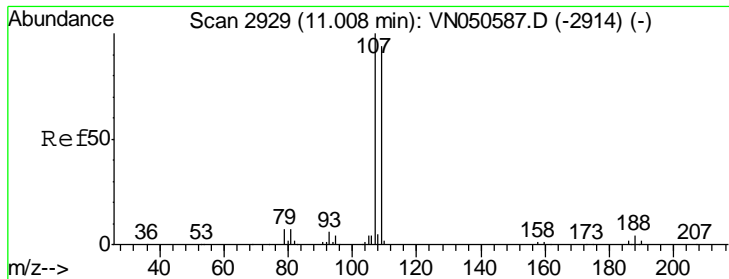
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#60
 Dibromochloromethane
 Concen: 4.86 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
129	36675		
127	77.9	38.9	116.7





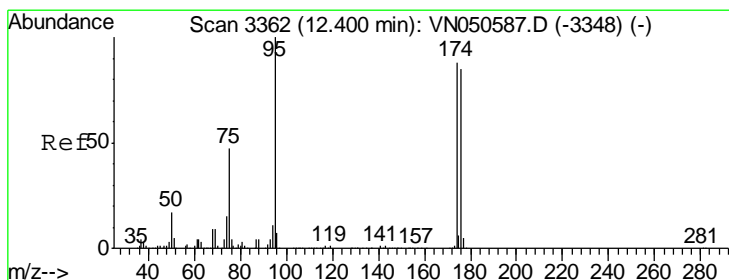
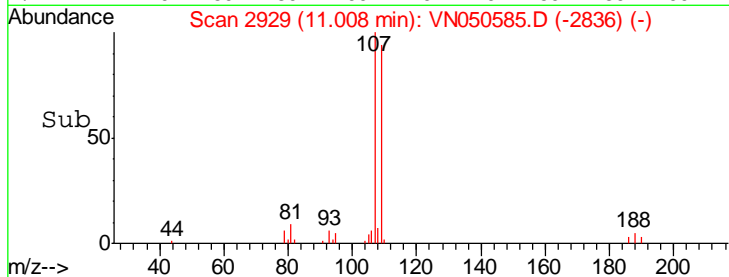
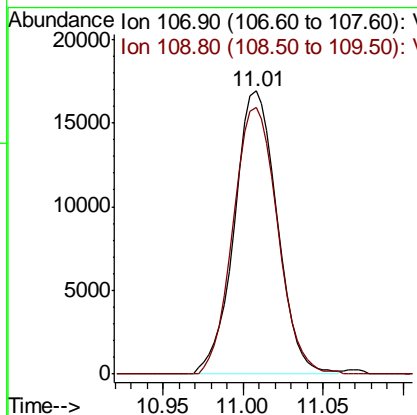
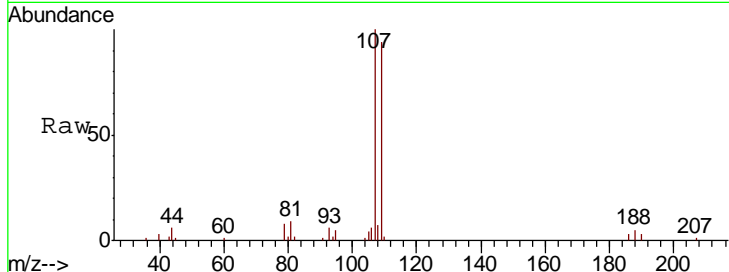
#61
 1,2-Dibromoethane
 Concen: 4.59 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
107	100		
109	97.8	75.7	113.5

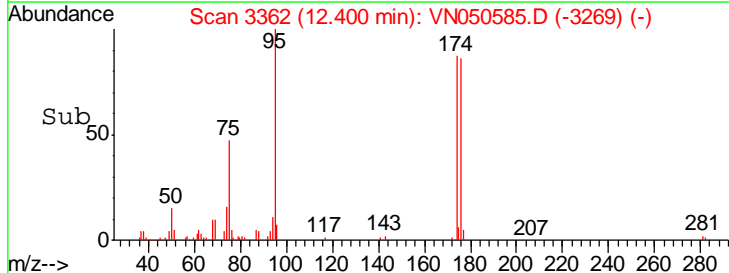
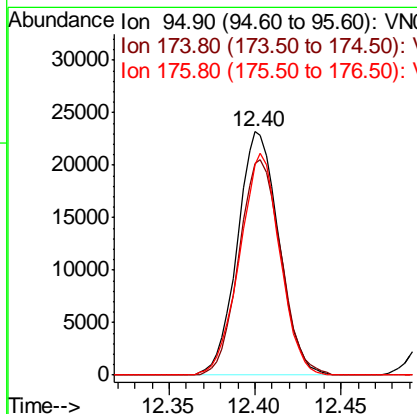
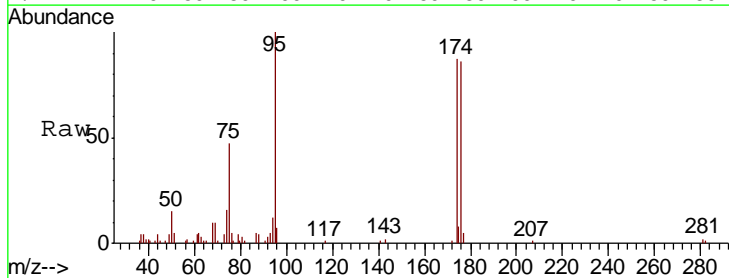
Manual Integrations
 APPROVED

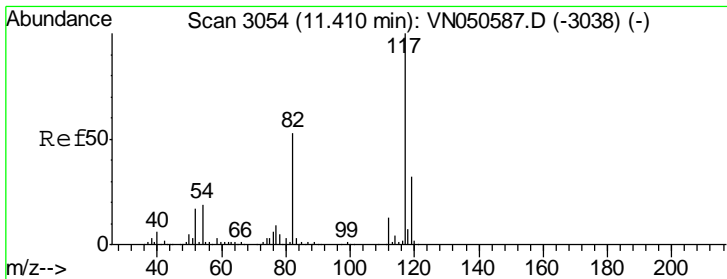
MMDadoda
 8/15/2018 3:20:57 PM



#62
 4-Bromofluorobenzene
 Concen: 4.35 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

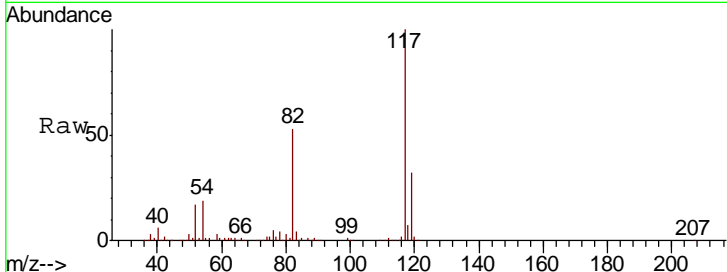
Tgt Ion	Resp	Lower	Upper
95	100		
174	89.2	0.0	177.8
176	88.0	0.0	175.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

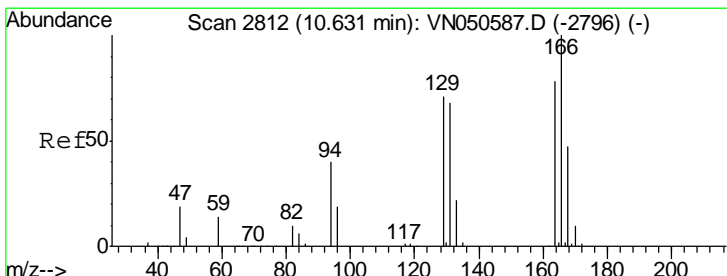
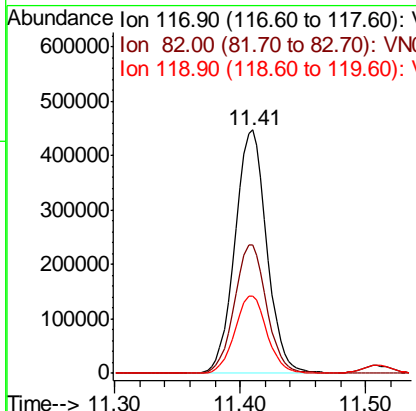
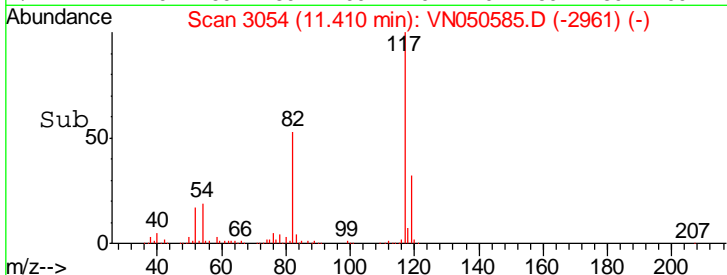
Instrument : MSVOA_N
 ClientSampled : VSTDIC005



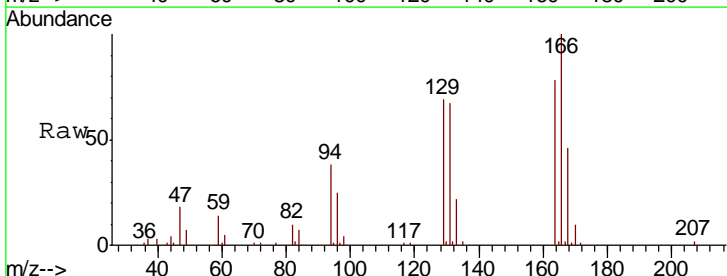
Tgt Ion: 117 Resp: 786588

Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.4	63.6
119	31.9	25.8	38.8

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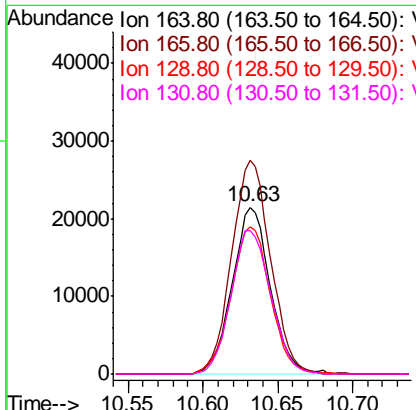
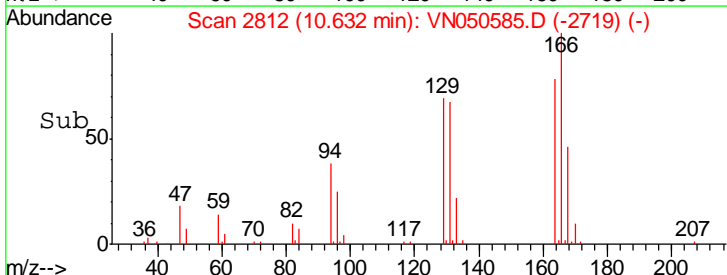


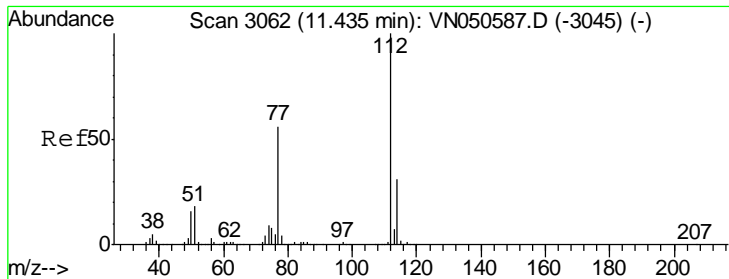
#64
 Tetrachloroethene
 Concen: 5.20 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11



Tgt Ion: 164 Resp: 38161

Ion	Ratio	Lower	Upper
164	100		
166	127.9	102.1	153.1
129	88.0	72.7	109.1
131	85.9	69.9	104.9





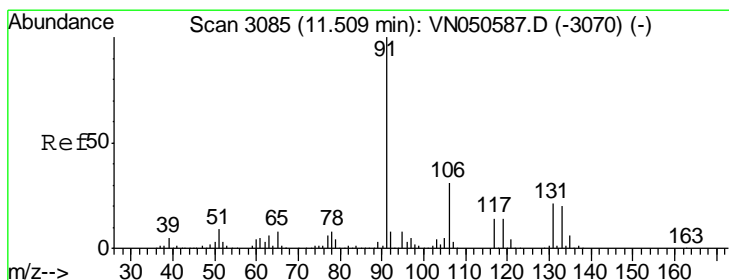
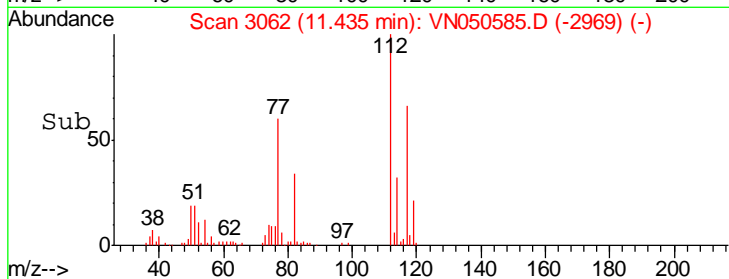
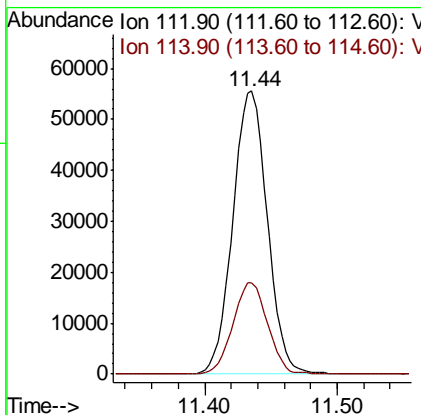
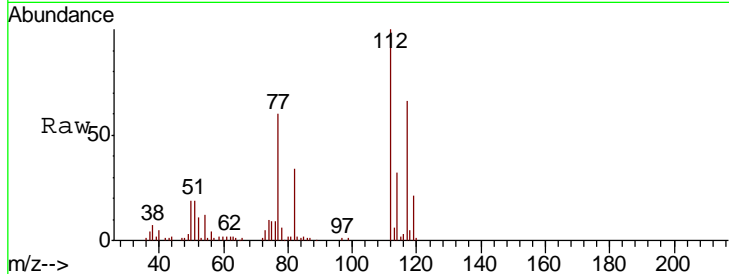
#65
 Chlorobenzene
 Concen: 5.08 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
112	100303		
114	32.4	25.2	37.8

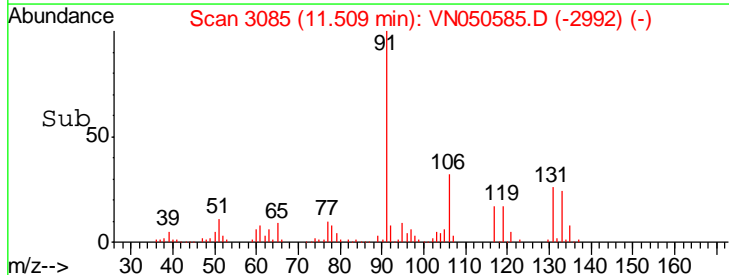
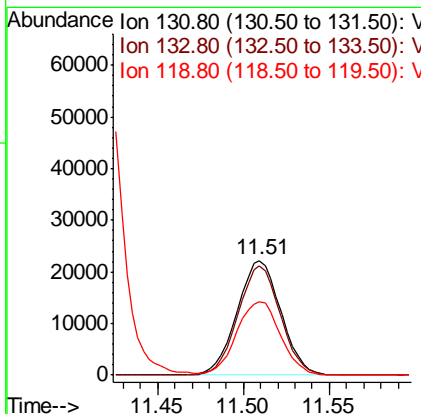
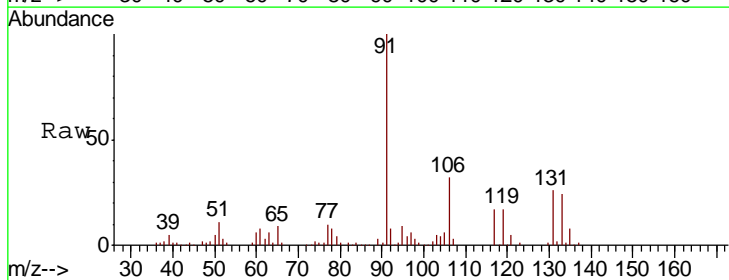
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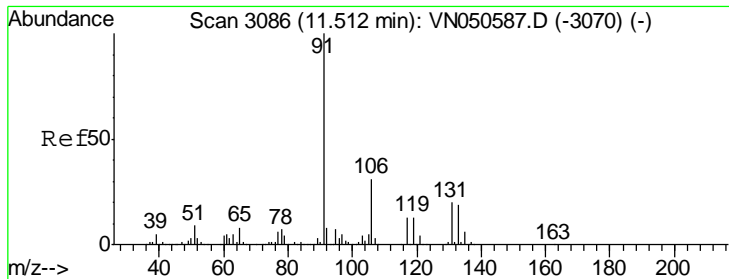
MMDadoda
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 5.44 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
131	39148		
133	92.3	47.6	142.9
119	64.4	33.1	99.3





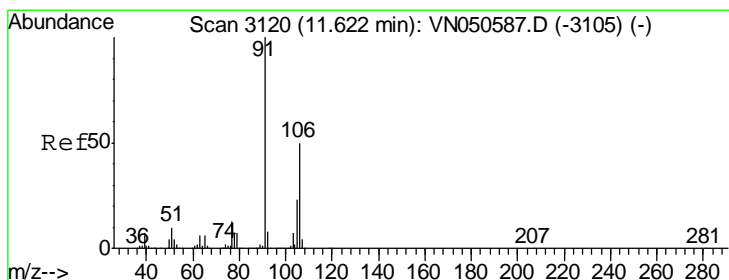
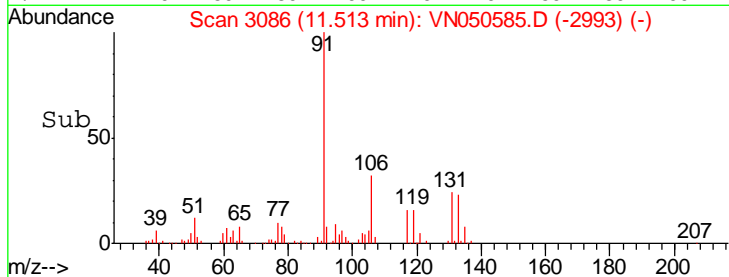
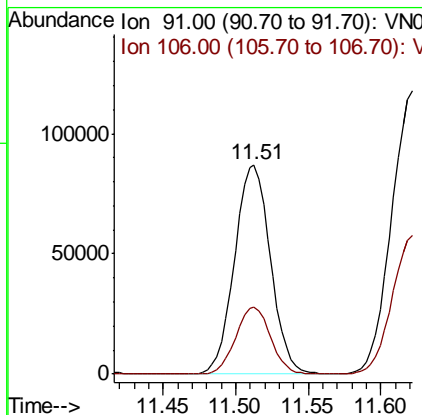
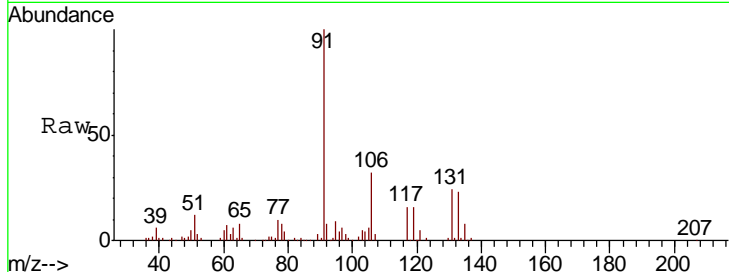
#67
Ethyl Benzene
Concen: 4.70 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	149919		
106	32.0	24.8	37.2

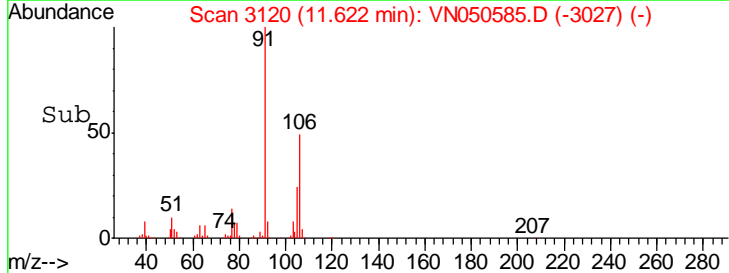
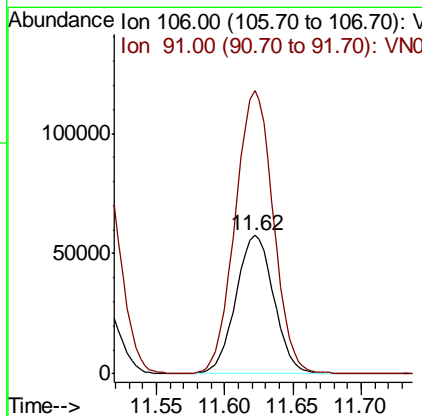
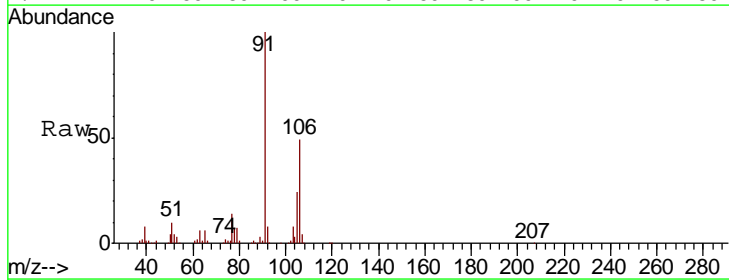
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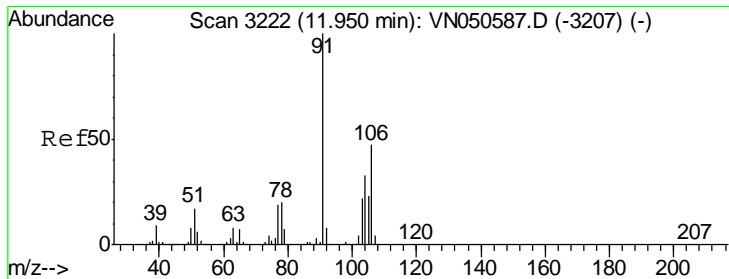
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#68
m/p-Xylenes
Concen: 9.18 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
106	111551		
91	204.9	161.5	242.3





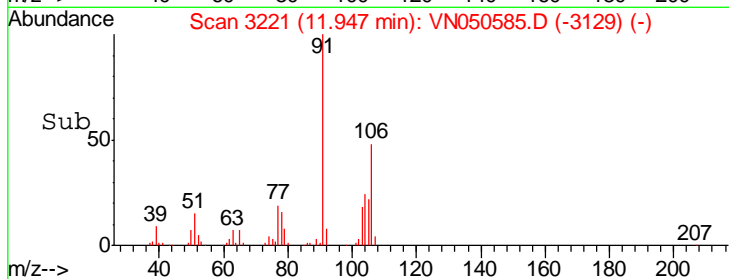
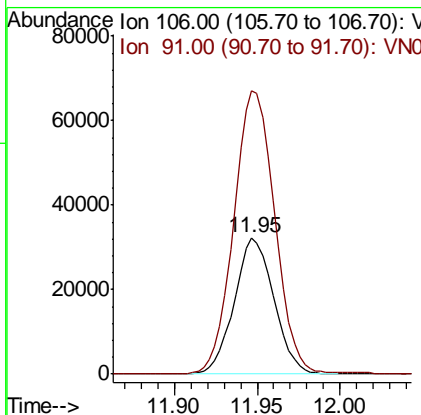
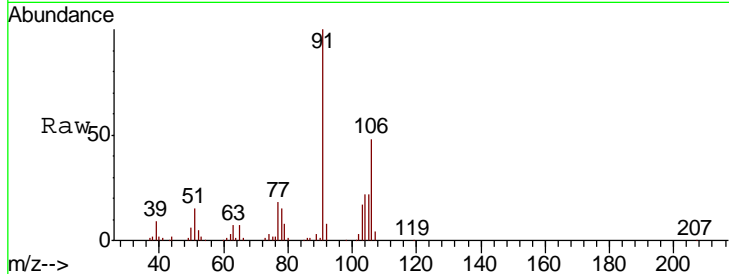
#69
 o-Xylene
 Concen: 4.59 ug/l
 RT: 11.95 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
106	53670		
106	100		
91	215.7	106.8	320.4

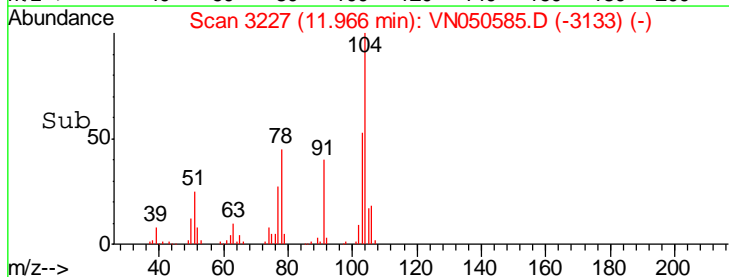
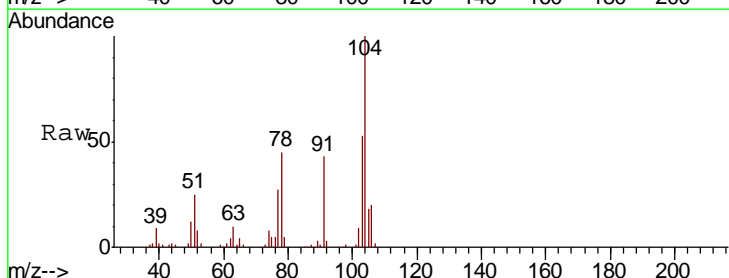
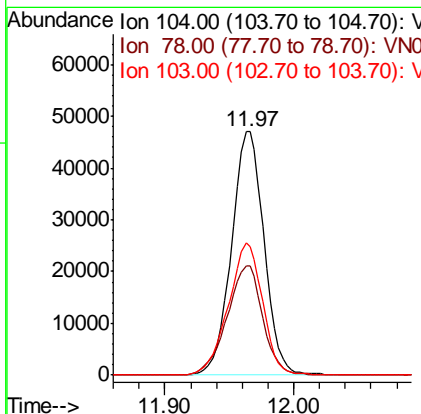
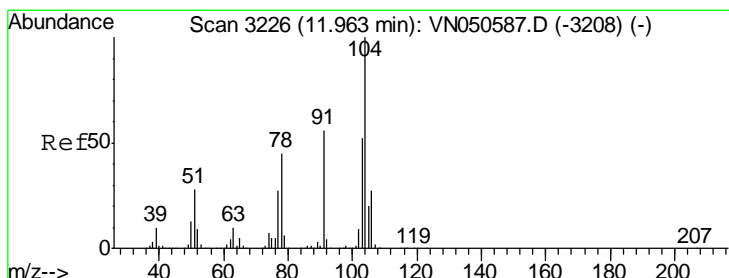
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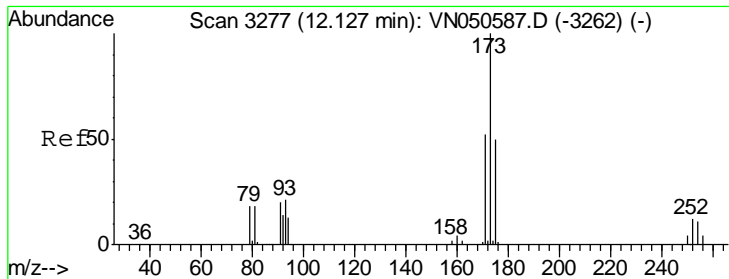
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#70
 Styrene
 Concen: 4.34 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
104	82286		
104	100		
78	49.1	39.1	58.7
103	57.4	44.9	67.3





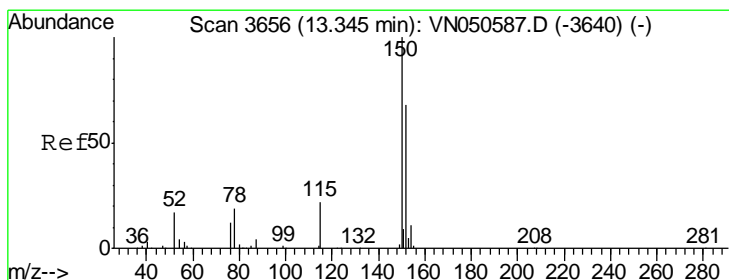
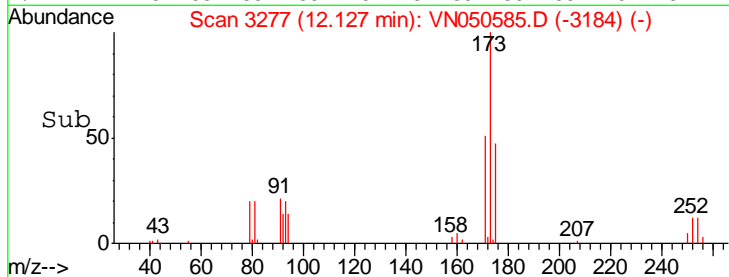
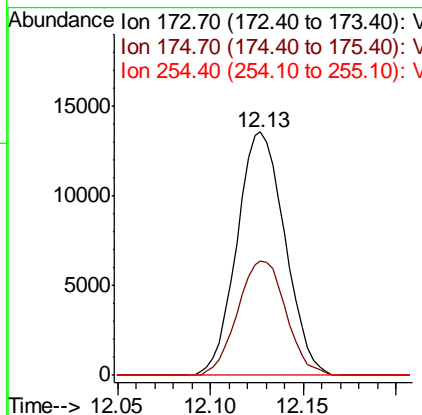
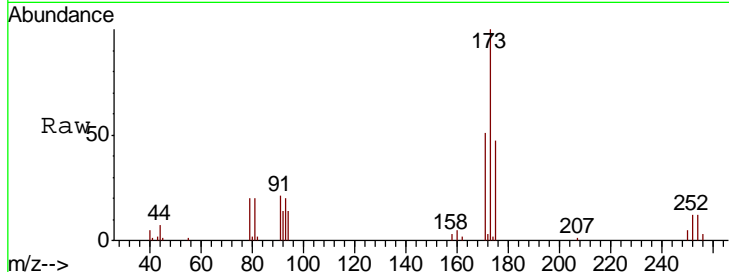
#71
 Bromoform
 Concen: 4.73 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
173	100		
175	47.2	24.4	73.2
254	0.0	0.0	0.0

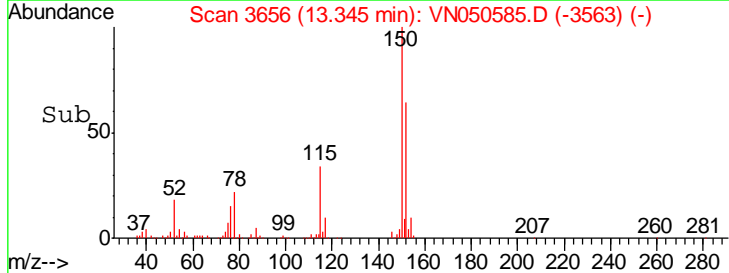
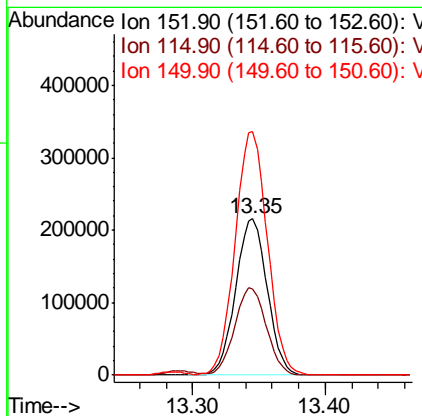
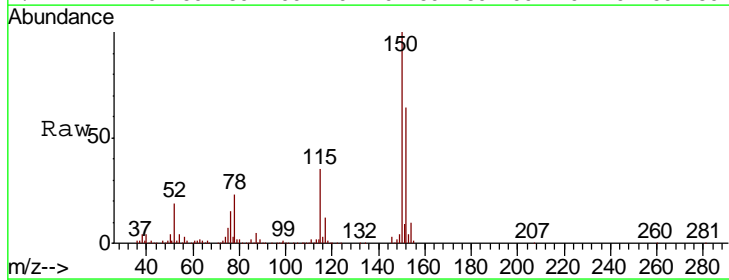
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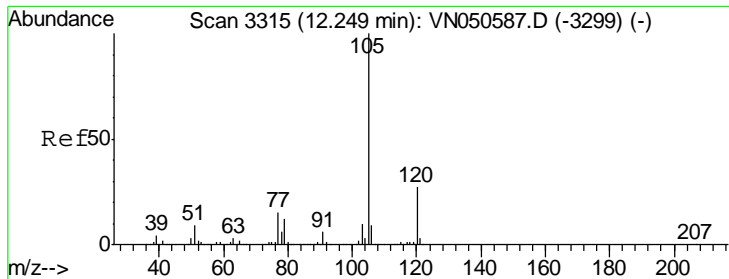
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.3	28.1	84.2
150	159.4	0.0	347.8





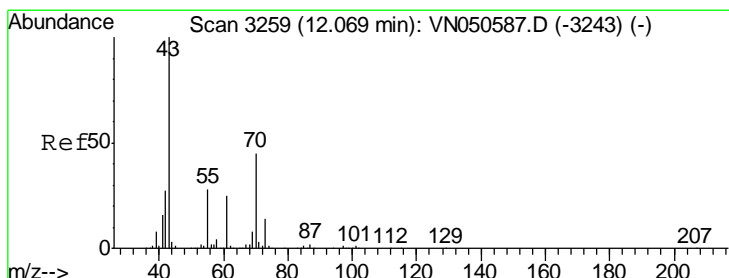
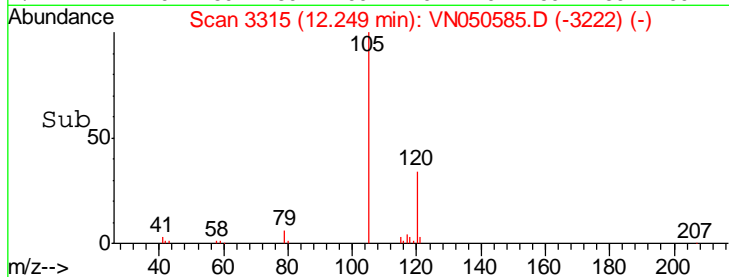
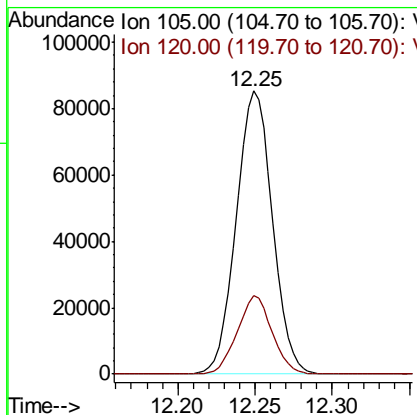
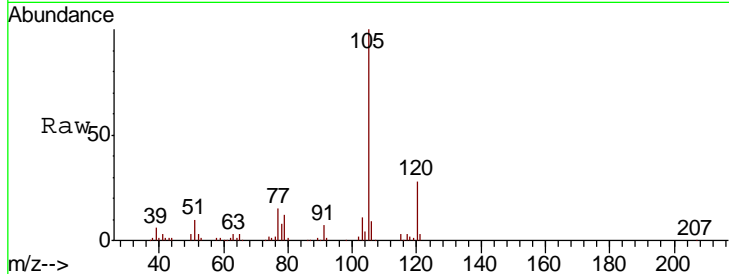
#73
 Isopropylbenzene
 Concen: 5.15 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	138443		
120	26.7	13.4	40.1

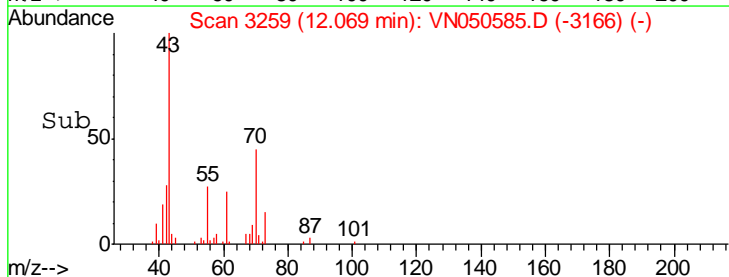
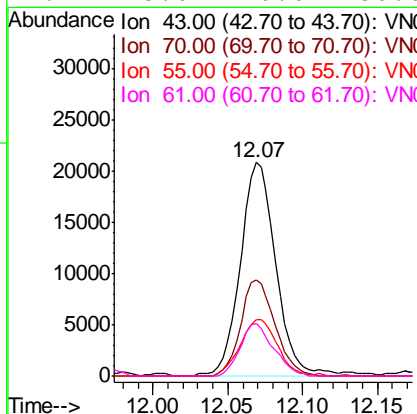
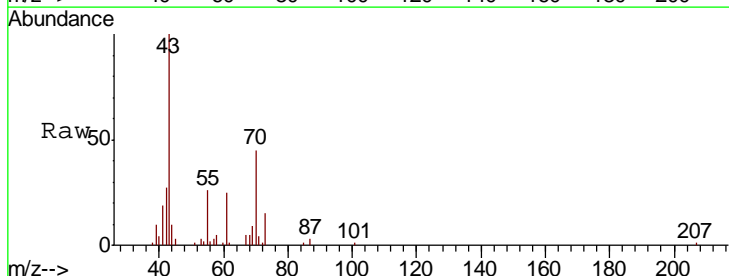
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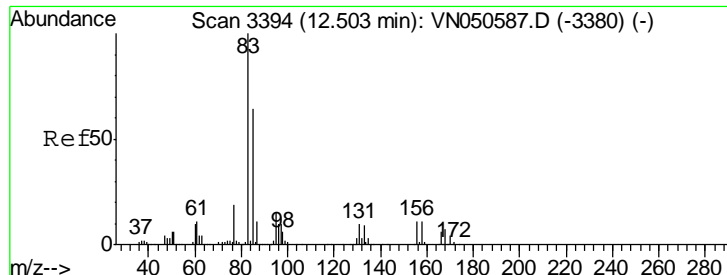
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#74
 N-amyl acetate
 Concen: 4.09 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
43	34370		
70	43.5	35.9	53.9
55	27.7	22.2	33.4
61	23.0	20.0	30.0





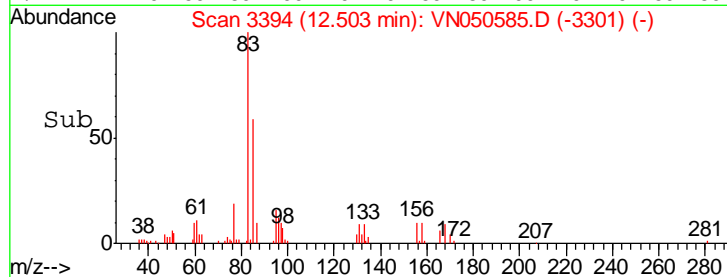
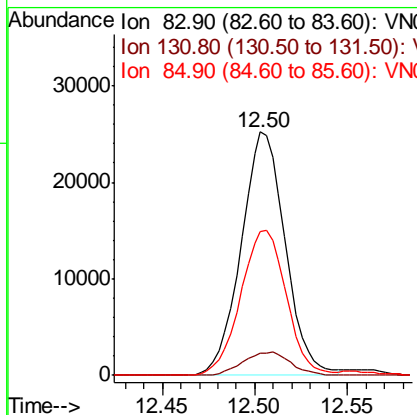
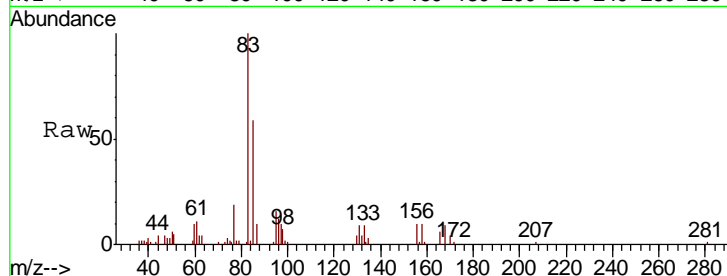
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.47 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	41503		
83	100		
131	10.3	5.3	15.9
85	61.5	32.1	96.5

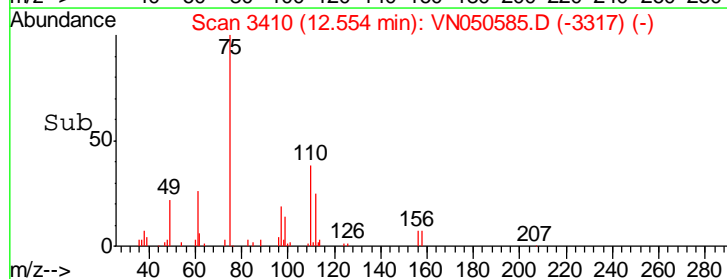
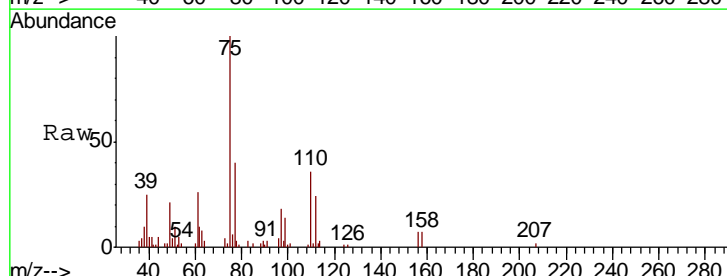
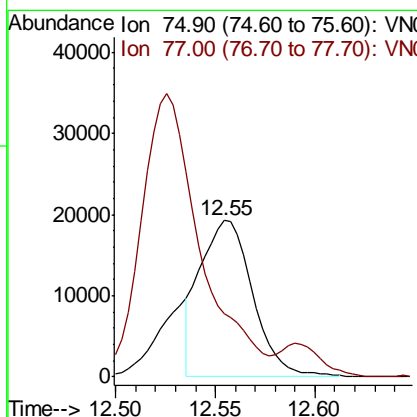
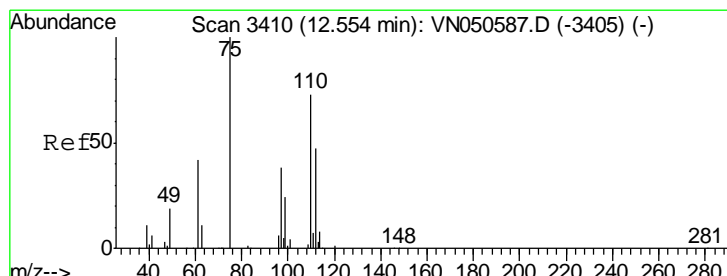
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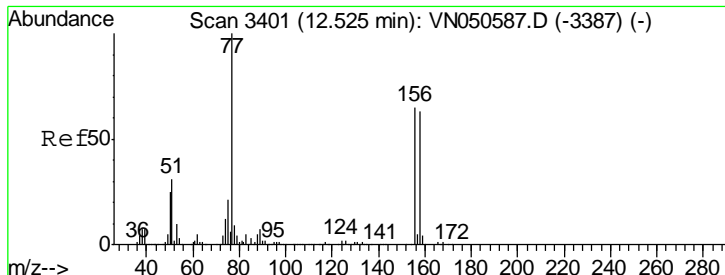
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#76
 1,2,3-Trichloropropane
 Concen: 5.54 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
75	35606		
75	100		
77	0.0	0.0	0.0





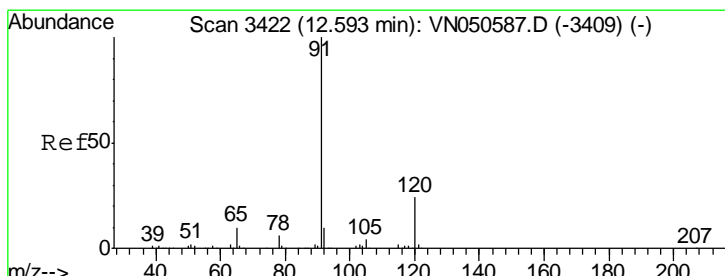
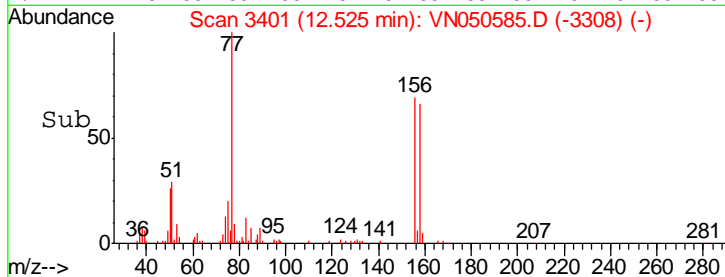
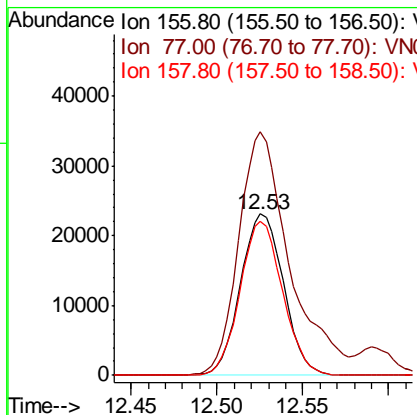
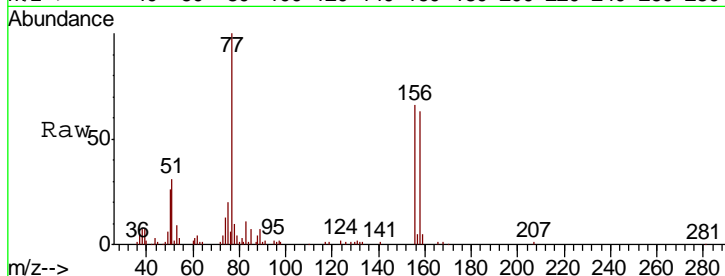
#77
 Bromobenzene
 Concen: 5.58 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
156	40123		
77	179.4	89.0	267.1
158	94.1	48.5	145.6

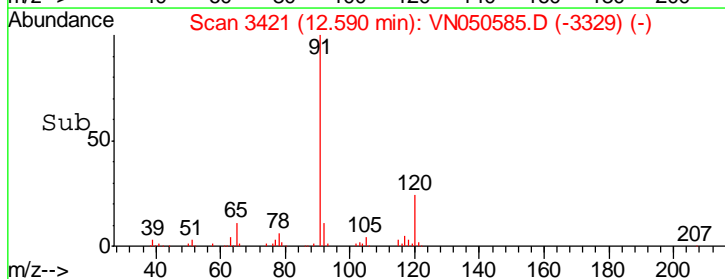
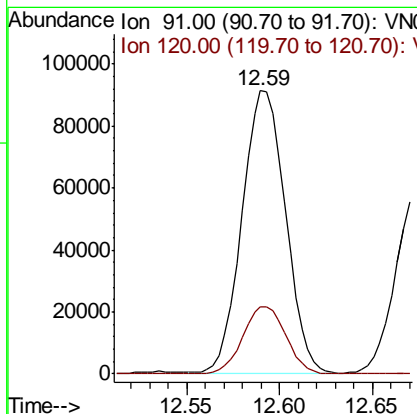
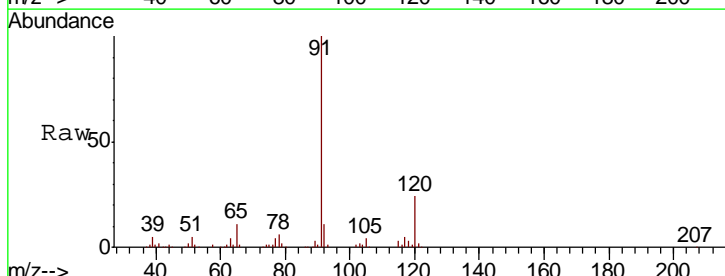
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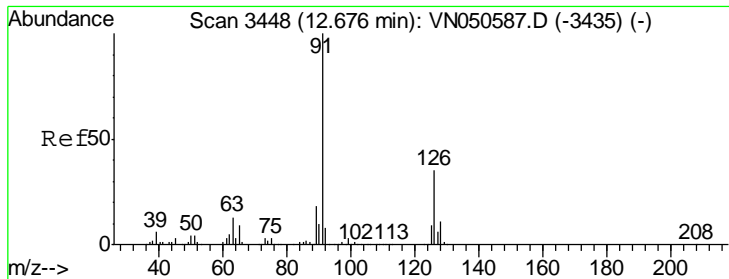
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#78
 n-propylbenzene
 Concen: 4.88 ug/l
 RT: 12.59 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
91	148279		
120	23.5	11.8	35.4





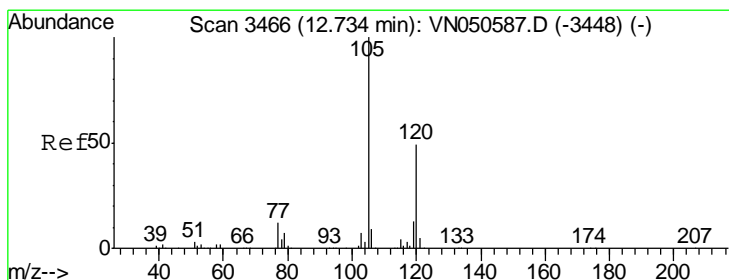
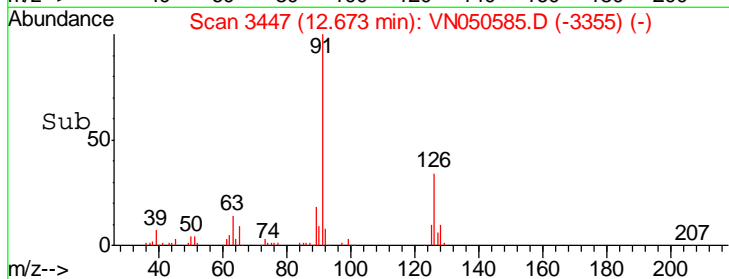
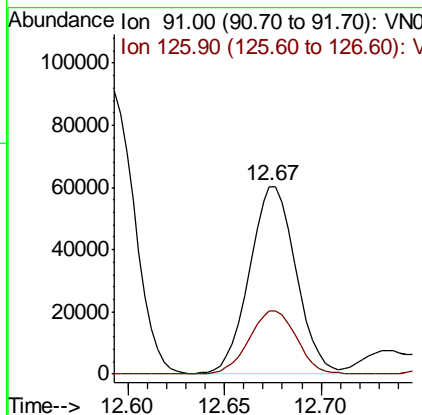
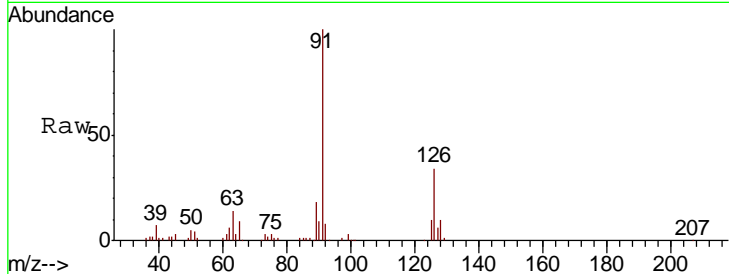
#79
 2-Chlorotoluene
 Concen: 5.34 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100357		
126	35.0	17.6	52.8

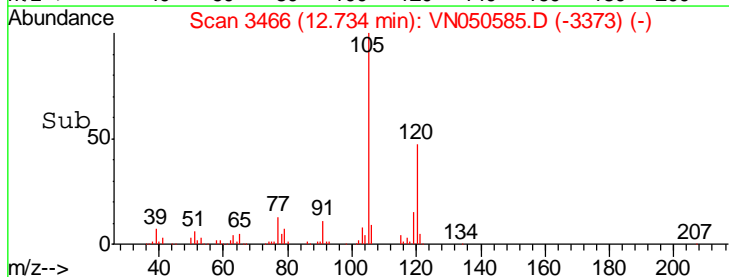
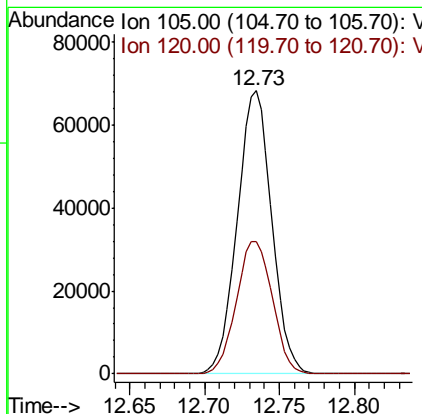
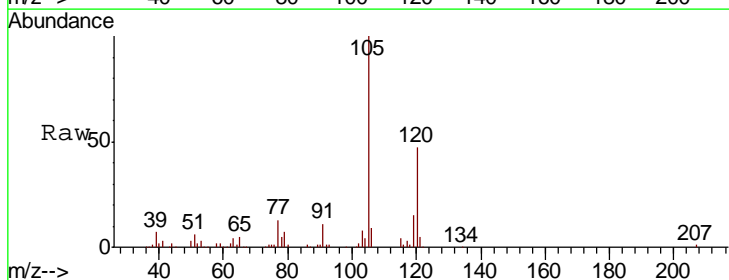
Manual Integrations
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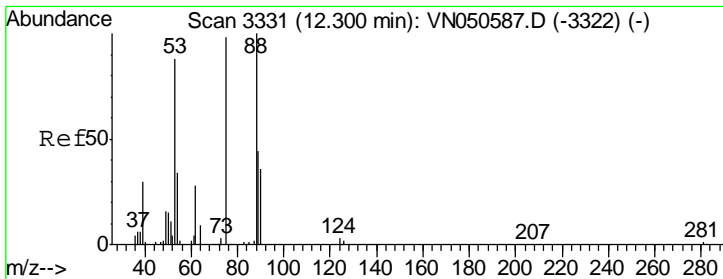
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.02 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
105	109330		
120	48.9	24.7	74.1





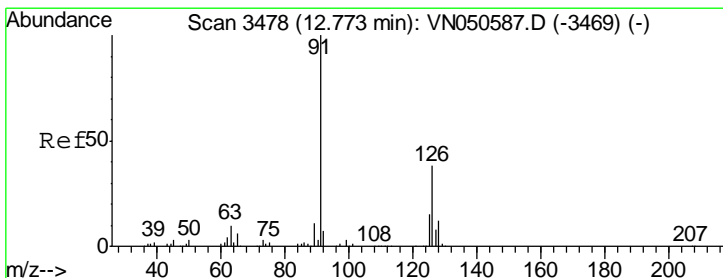
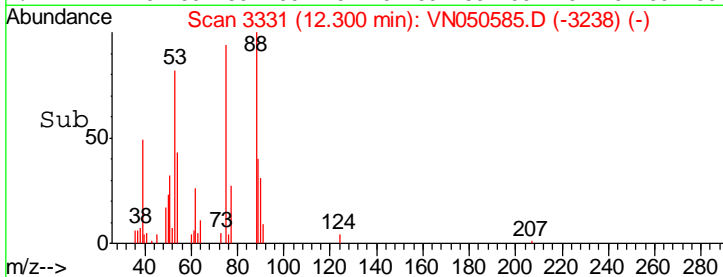
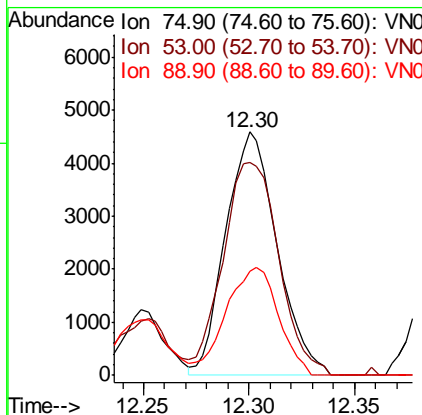
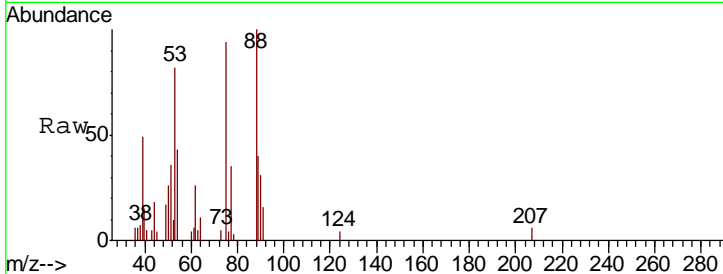
#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.37 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	100		
53	95.3	72.2	108.2
89	45.5	36.3	54.5

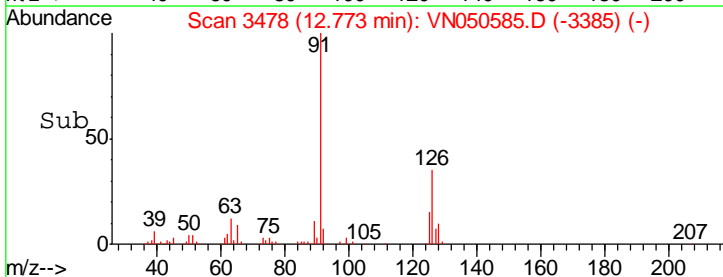
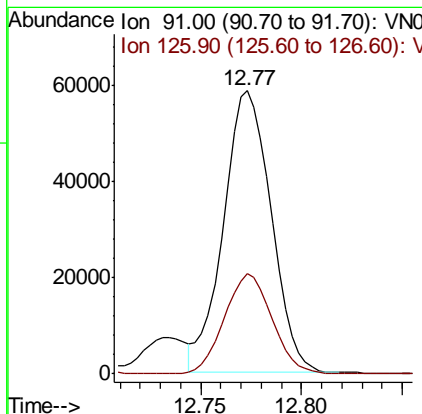
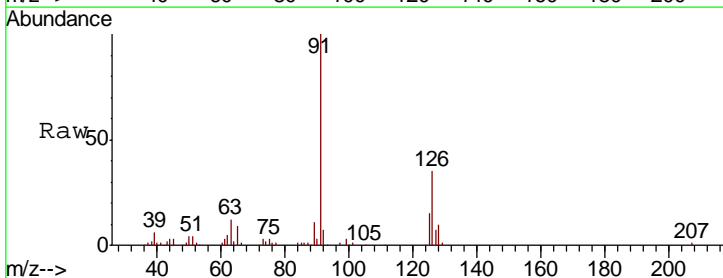
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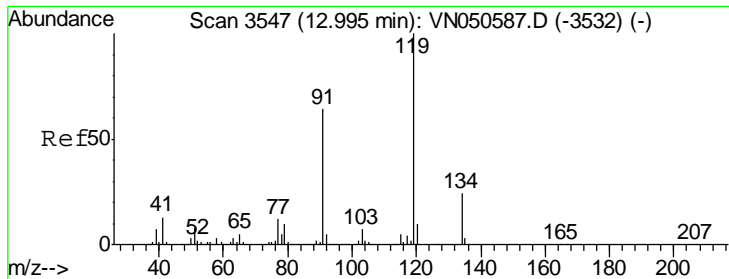
MMDadoda
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#82
 4-Chlorotoluene
 Concen: 5.19 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.3	17.3	52.0





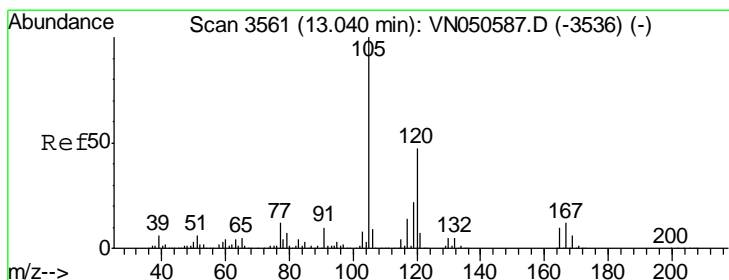
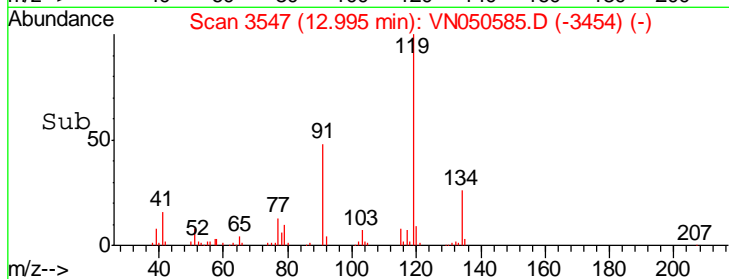
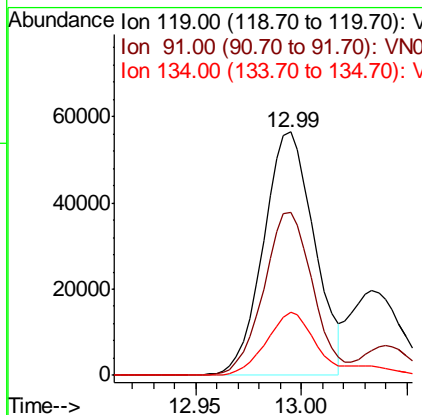
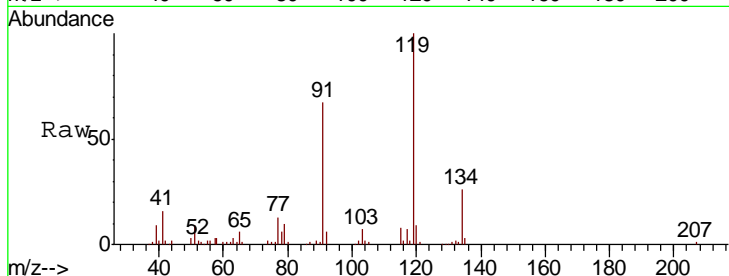
#83
 tert-Butylbenzene
 Concen: 5.01 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
119	95009		
91	65.0	32.2	96.6
134	24.5	13.4	40.2

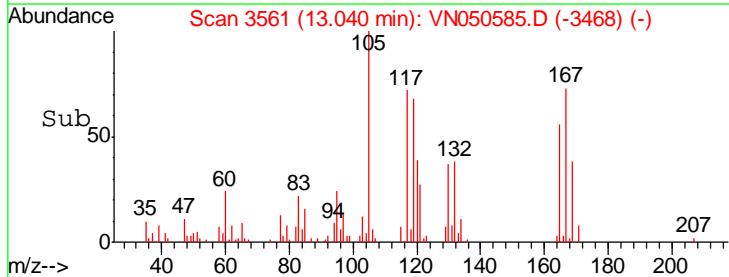
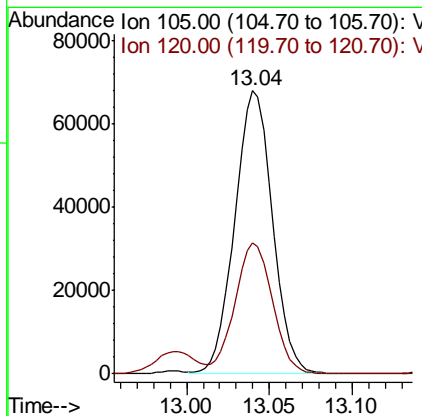
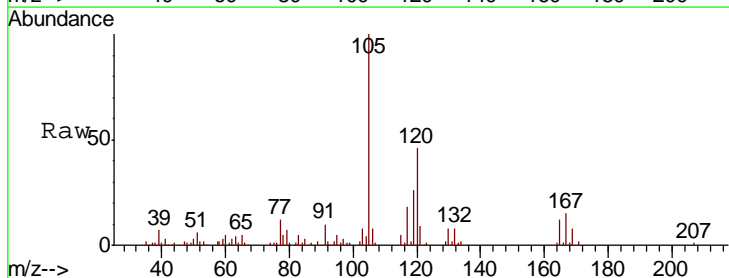
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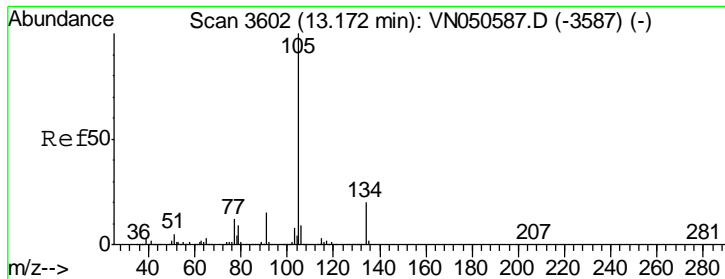
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.88 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
105	107622		
120	46.3	23.2	69.5





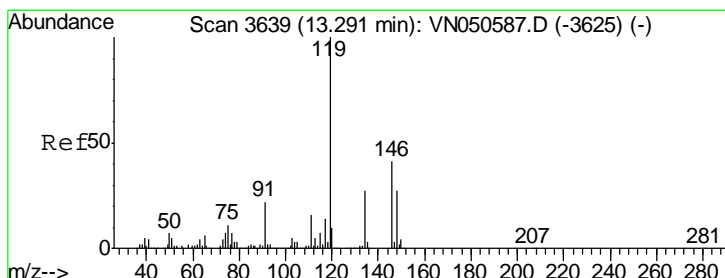
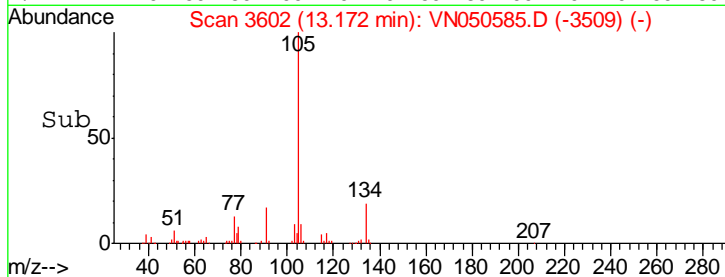
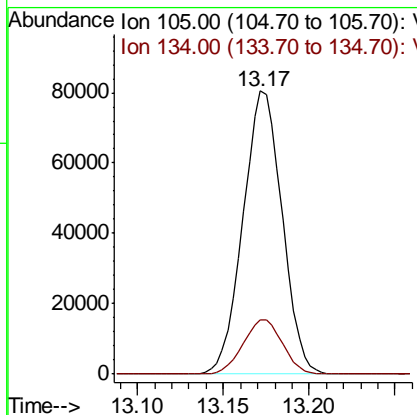
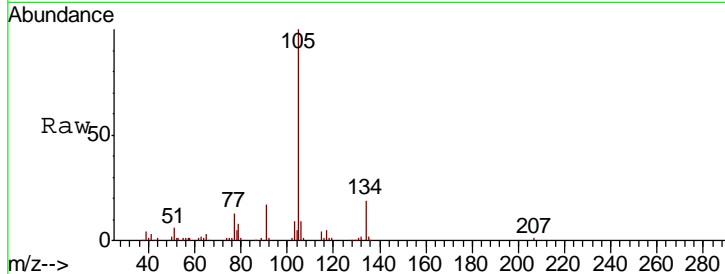
#85
 sec-Butylbenzene
 Concen: 5.03 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	127344		
134	19.4	10.1	30.3

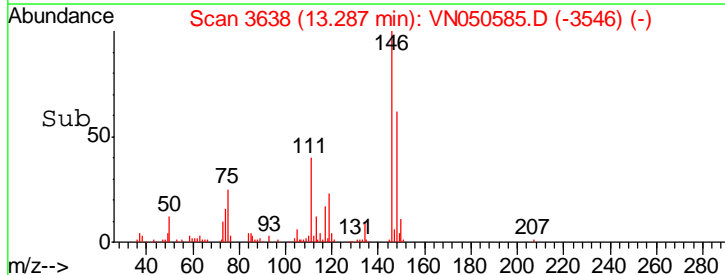
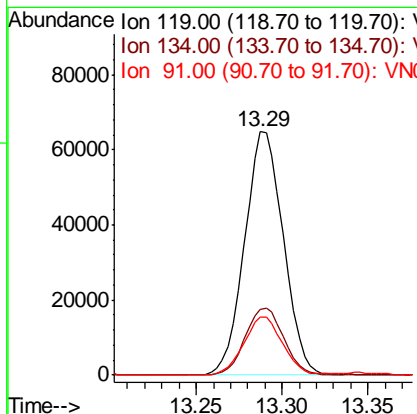
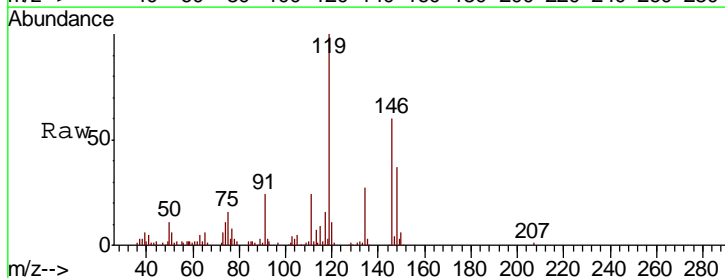
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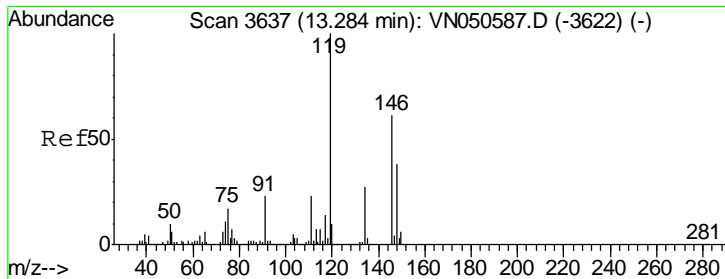
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#86
 p-Isopropyltoluene
 Concen: 4.70 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
119	101679		
134	27.2	13.5	40.4
91	23.4	11.2	33.6





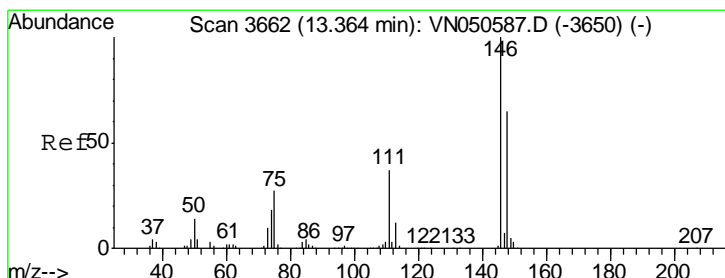
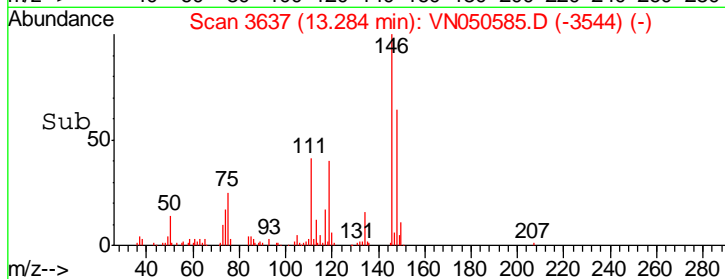
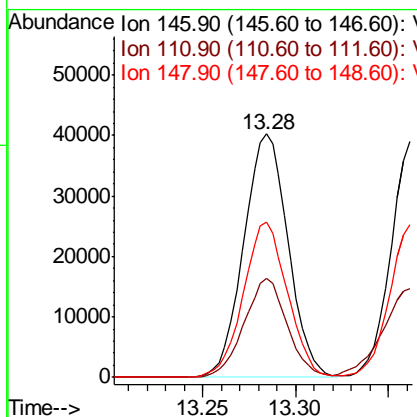
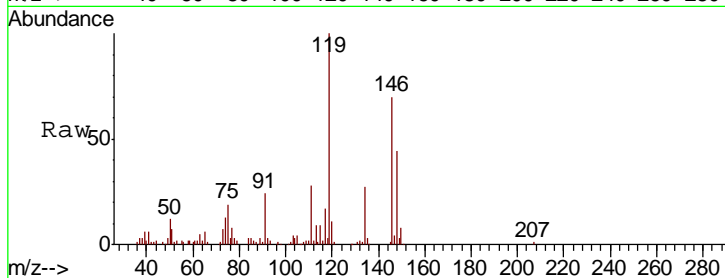
#87
 1,3-Dichlorobenzene
 Concen: 5.23 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
146	66761		
146	100		
111	39.4	19.2	57.6
148	63.3	31.9	95.7

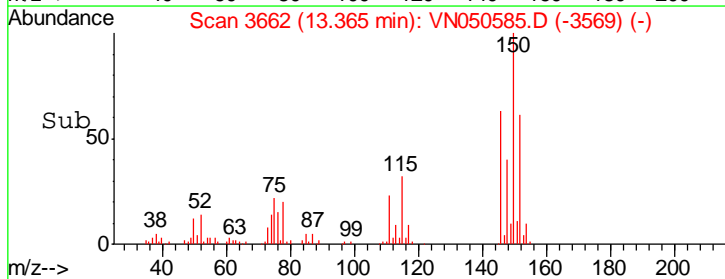
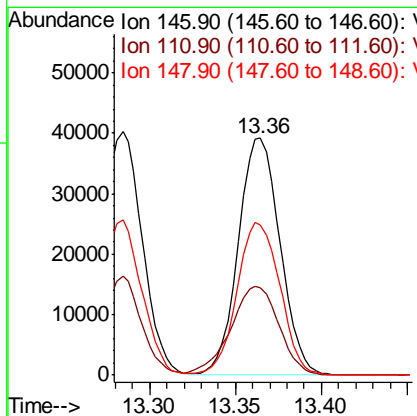
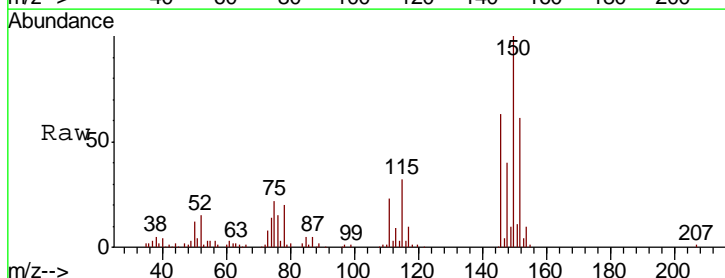
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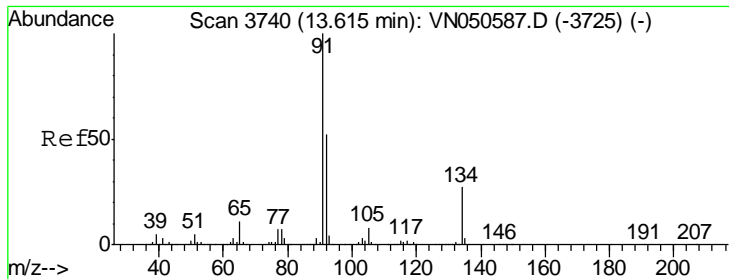
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#88
 1,4-Dichlorobenzene
 Concen: 5.21 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
146	66378		
146	100		
111	43.3	18.8	56.4
148	66.2	32.3	96.8





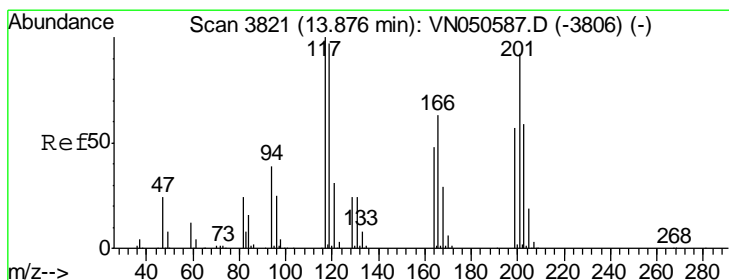
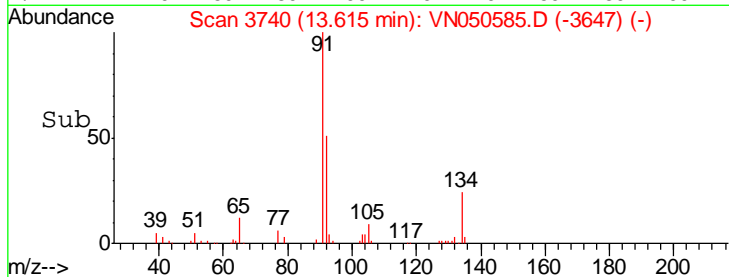
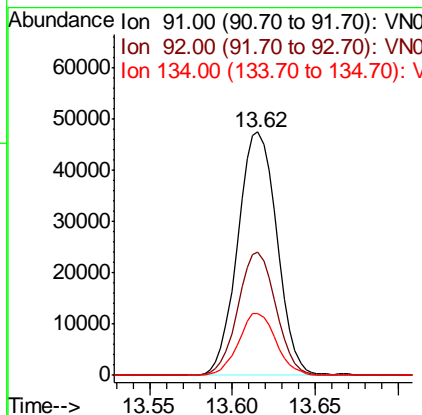
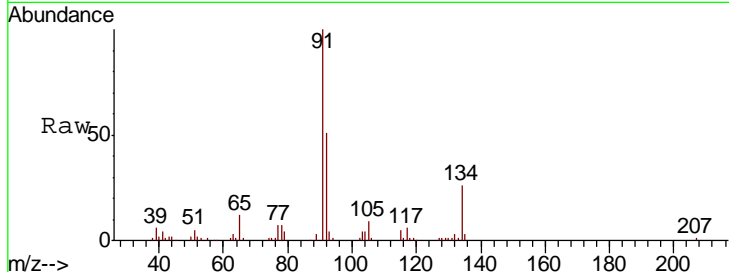
#89
 n-Butylbenzene
 Concen: 4.29 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
92	48.7	26.3	78.8
134	24.3	13.3	39.9

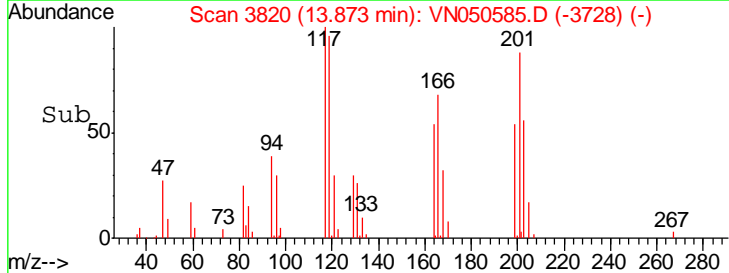
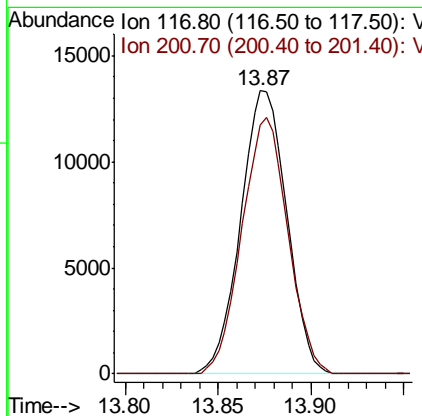
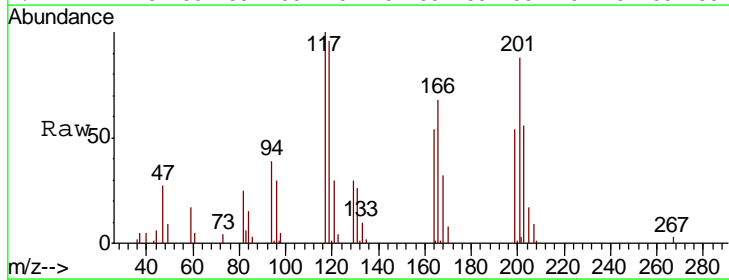
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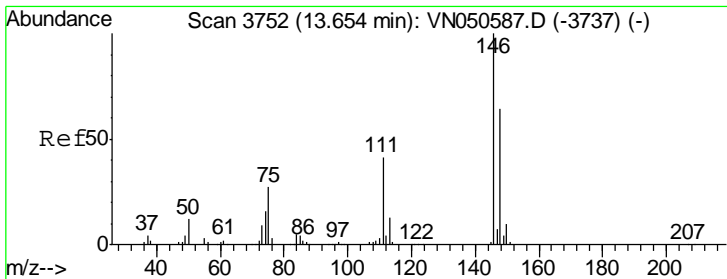
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#90
 Hexachloroethane
 Concen: 5.94 ug/l
 RT: 13.87 min Scan# 3820
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
117	100		
201	90.0	45.5	136.5





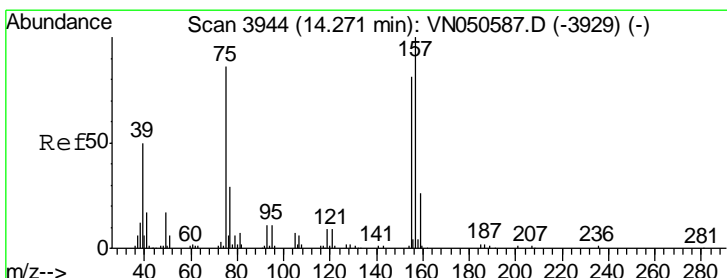
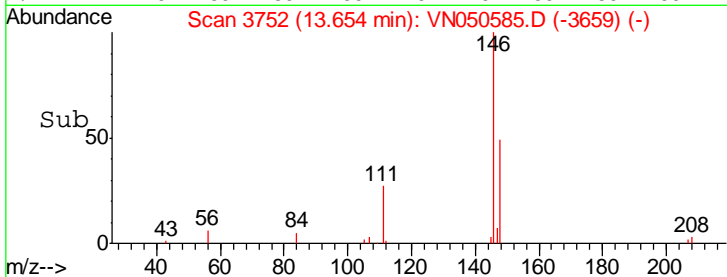
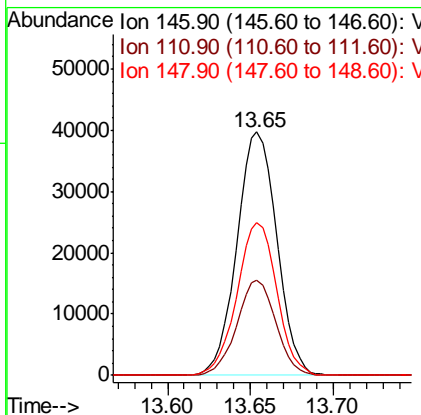
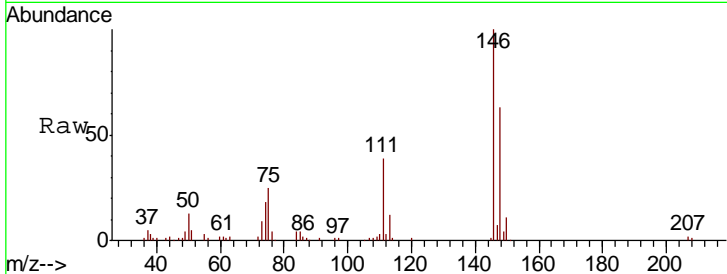
#91
 1,2-Dichlorobenzene
 Concen: 5.23 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
146	66588		
111	38.0	19.8	59.4
148	62.6	32.3	96.8

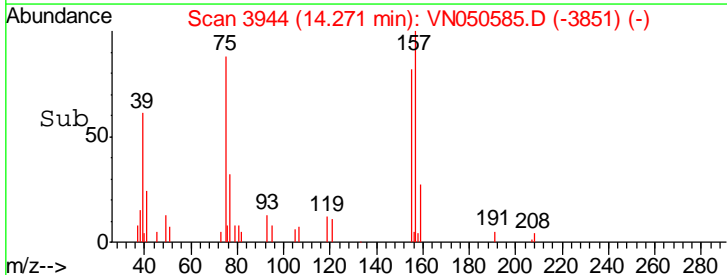
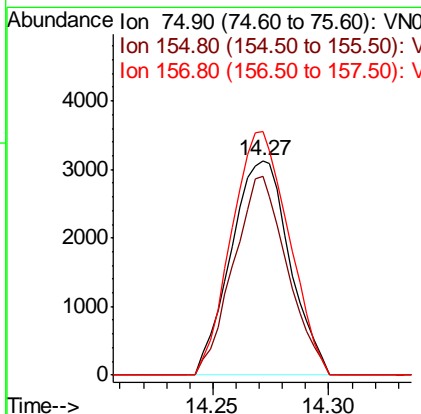
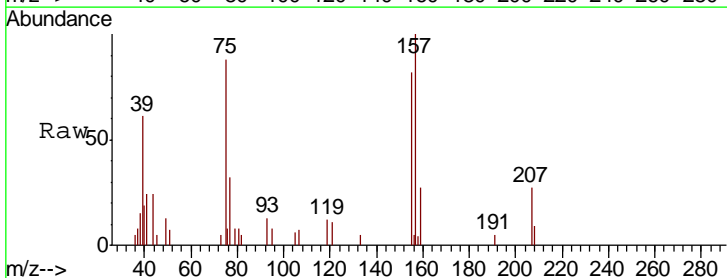
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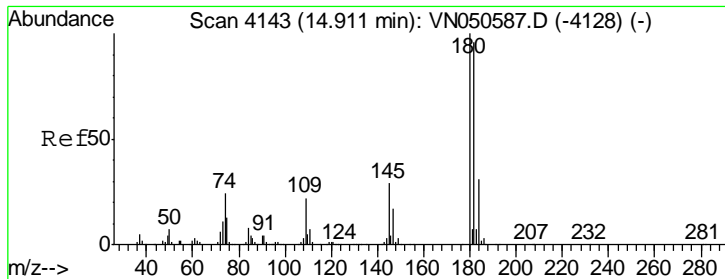
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.34 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
75	5497		
155	85.1	46.6	139.8
157	111.0	58.1	174.2





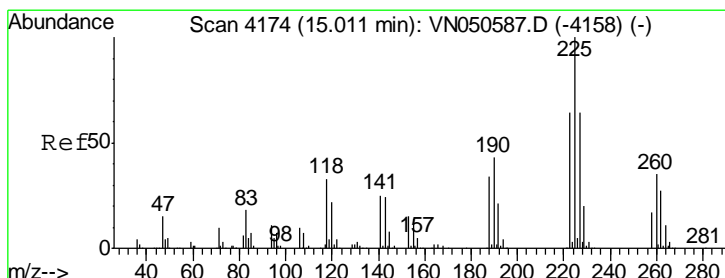
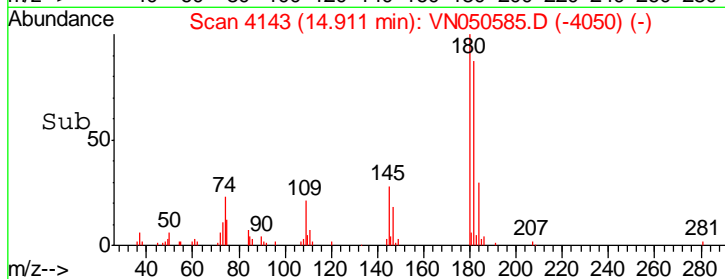
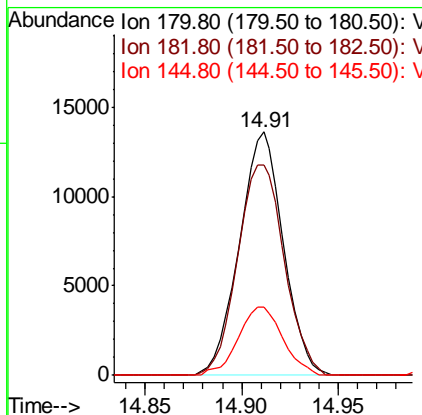
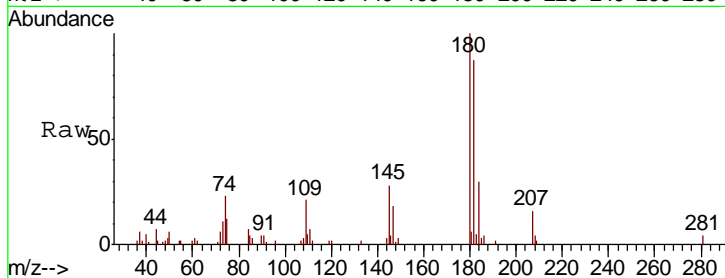
#93
 1,2,4-Trichlorobenzene
 Concen: 3.35 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
180	21475		
182	92.0	47.9	143.7
145	28.4	14.4	43.4

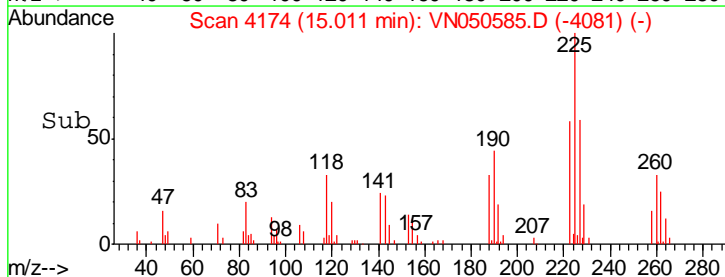
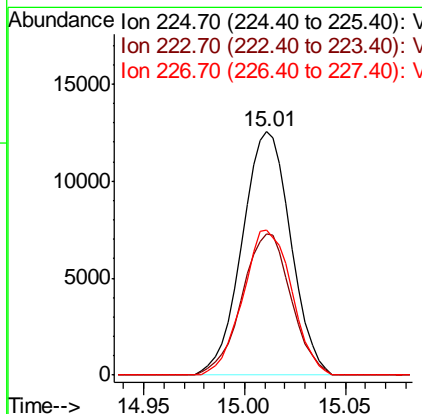
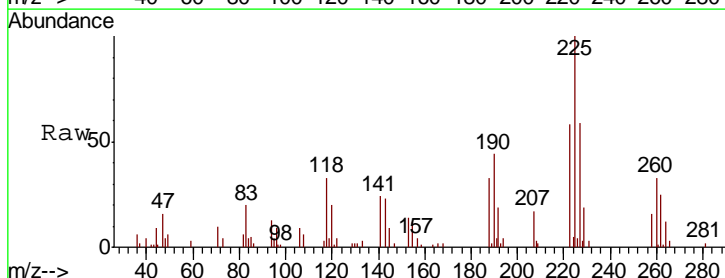
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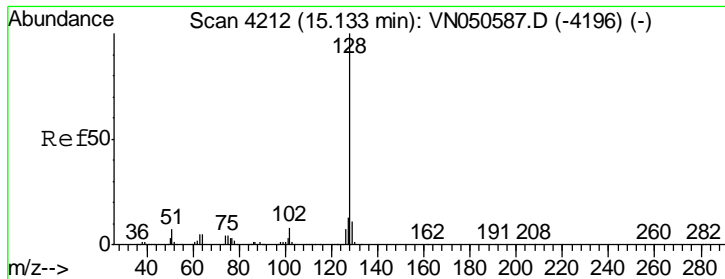
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#94
 Hexachlorobutadiene
 Concen: 4.53 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
225	21110		
223	58.7	32.1	96.3
227	60.2	32.0	96.2





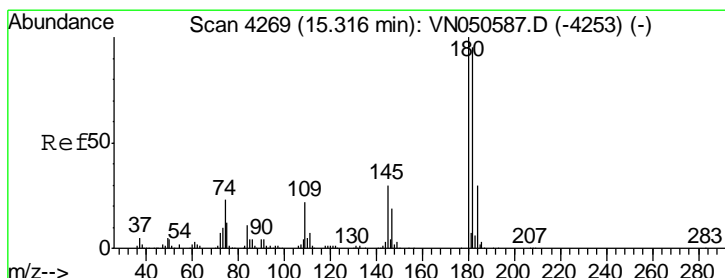
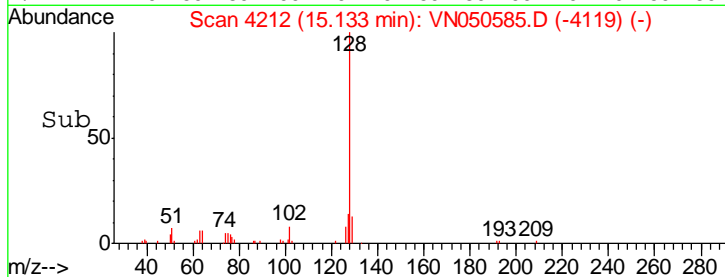
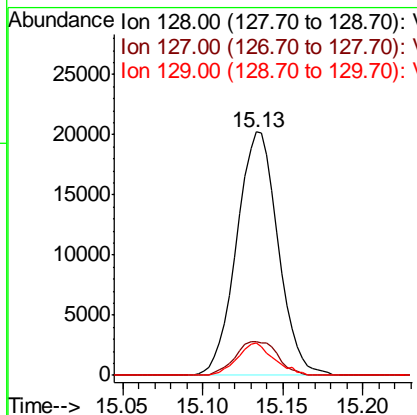
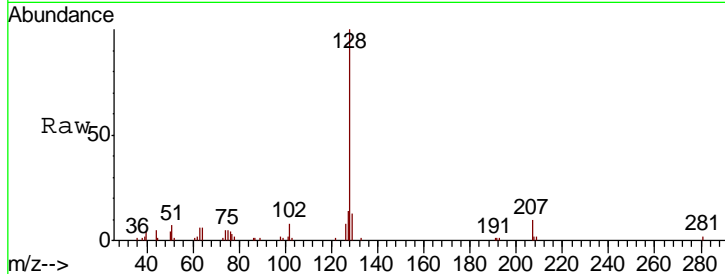
#95
 Naphthalene
 Concen: 2.47 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
128	35734		
127	14.2	10.3	15.5
129	11.7	8.5	12.7

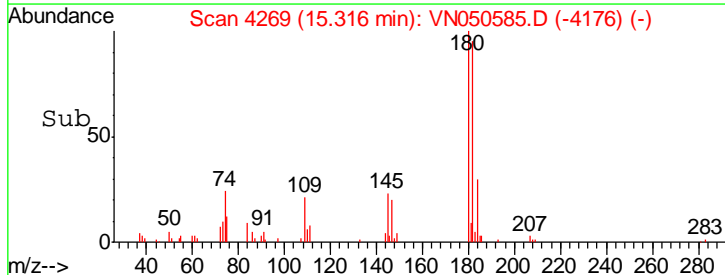
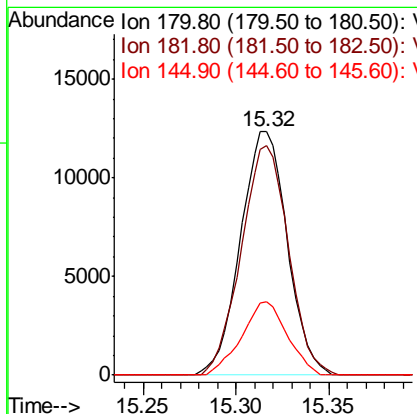
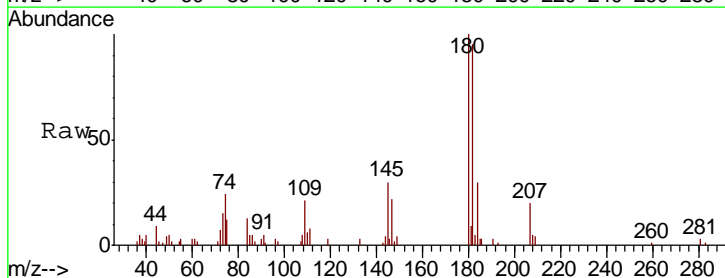
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#96
 1,2,3-Trichlorobenzene
 Concen: 3.35 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
180	21692		
182	95.1	47.3	141.8
145	29.5	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050586.D
 Acq On : 14 Aug 2018 00:35
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Manual Integrations
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Quant Time: Aug 14 07:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	633245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	929429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	850474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	419908	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	157329	18.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.48%	
35) Dibromofluoromethane	7.59	113	143750	19.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.50%	
50) Toluene-d8	10.09	98	536169	19.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.20%	
62) 4-Bromofluorobenzene	12.40	95	169483	17.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	143232	20.36	ug/l	99
3) Chloromethane	2.06	50	179992	19.16	ug/l	99
4) Vinyl Chloride	2.18	62	186987	20.51	ug/l	99
5) Bromomethane	2.56	94	103292	18.48	ug/l	100
6) Chloroethane	2.70	64	111344	19.91	ug/l	98
7) Trichlorofluoromethane	3.01	101	243531	20.72	ug/l	97
8) Diethyl Ether	3.41	74	80297	18.79	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	149015	20.50	ug/l	99
10) Methyl Iodide	3.95	142	81313	23.15	ug/l	100
11) Tert butyl alcohol	4.80	59	43585	69.10	ug/l	99
12) 1,1-Dichloroethene	3.73	96	132143	19.32	ug/l	98
13) Acrolein	3.61	56	15720	23.29	ug/l	96
14) Allyl chloride	4.32	41	199972	18.35	ug/l	99
15) Acrylonitrile	4.99	53	234570	84.65	ug/l	99
16) Acetone	3.82	43	201240	76.11	ug/l	98
17) Carbon Disulfide	4.05	76	416499	18.72	ug/l	99
18) Methyl Acetate	4.33	43	114200	15.15	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	341293	17.89	ug/l	100
20) Methylene Chloride	4.55	84	156921	16.67	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	144392	19.52	ug/l	98
22) Diisopropyl ether	5.96	45	447885	20.03	ug/l	97
23) Vinyl Acetate	5.90	43	1418319	90.34	ug/l	99
24) 1,1-Dichloroethane	5.85	63	270981	19.69	ug/l	99
25) 2-Butanone	6.84	43	316027	78.52	ug/l	98
26) 2,2-Dichloropropane	6.83	77	180288	16.39	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159802	19.52	ug/l	100
28) Bromochloromethane	7.20	49	130974	20.65	ug/l	100
29) Tetrahydrofuran	7.22	42	167631	77.64	ug/l	100
30) Chloroform	7.37	83	277529	20.18	ug/l	99
31) Cyclohexane	7.66	56	234916	17.05	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	232786	19.71	ug/l	99
36) 1,1-Dichloropropene	7.80	75	204286	20.03	ug/l	98
37) Ethyl Acetate	6.93	43	118938	16.85	ug/l	98
38) Carbon Tetrachloride	7.78	117	208617	19.61	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050586.D
 Acq On : 14 Aug 2018 00:35
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
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MMDadoda
 8/15/2018 3:21:04 PM

Quant Time: Aug 14 07:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	207768	18.68	ug/l	96
40) Benzene	8.04	78	628460	20.02	ug/l	100
41) Methacrylonitrile	7.18	41	62543	16.41	ug/l	98
42) 1,2-Dichloroethane	8.13	62	193137	19.56	ug/l	99
43) Isopropyl Acetate	8.17	43	214165	17.39	ug/l	99
44) Trichloroethene	8.84	130	164045	19.43	ug/l	97
45) 1,2-Dichloropropane	9.12	63	165100	20.01	ug/l	99
46) Dibromomethane	9.21	93	96860	19.22	ug/l	98
47) Bromodichloromethane	9.40	83	205060	19.45	ug/l	100
48) Methyl methacrylate	9.20	41	103404	16.82	ug/l	98
49) 1,4-Dioxane	9.20	88	27544	294.69	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	735883	83.68	ug/l	99
52) Toluene	10.16	92	387083	20.55	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	189801	18.14	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	224381	19.11	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	138518	19.01	ug/l	99
56) Ethyl methacrylate	10.43	69	157945	17.41	ug/l	99
57) 1,3-Dichloropropane	10.71	76	231341	19.32	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	377032	88.98	ug/l	100
59) 2-Hexanone	10.75	43	466274	76.46	ug/l	99
60) Dibromochloromethane	10.90	129	153384	19.08	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132556	18.53	ug/l	99
64) Tetrachloroethene	10.63	164	158710	20.00	ug/l	97
65) Chlorobenzene	11.43	112	416943	19.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	154568	19.86	ug/l	99
67) Ethyl Benzene	11.51	91	682406	19.79	ug/l	99
68) m/p-Xylenes	11.62	106	538449	40.98	ug/l	99
69) o-Xylene	11.95	106	252233	19.97	ug/l	98
70) Styrene	11.96	104	415736	20.29	ug/l	100
71) Bromoform	12.13	173	102623	18.38	ug/l #	100
73) Isopropylbenzene	12.25	105	667380	21.02	ug/l	99
74) N-amyl acetate	12.07	43	169835	17.11	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	169019	18.86	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	150927m	19.89	ug/l	
77) Bromobenzene	12.53	156	173694	20.45	ug/l	98
78) n-propylbenzene	12.59	91	756549	21.07	ug/l	99
79) 2-Chlorotoluene	12.67	91	461743	20.81	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	556486	21.64	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35931	17.13	ug/l	96
82) 4-Chlorotoluene	12.77	91	470535	21.28	ug/l	99
83) tert-Butylbenzene	12.99	119	458109	20.47	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	566422	21.75	ug/l	99
85) sec-Butylbenzene	13.17	105	616851	20.64	ug/l	100
86) p-Isopropyltoluene	13.29	119	527638	20.63	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	301471	20.01	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	291932	19.42	ug/l	99
89) n-Butylbenzene	13.62	91	398246	18.42	ug/l	98
90) Hexachloroethane	13.88	117	94579	20.61	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	293579	19.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22087	14.78	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050586.D
 Acq On : 14 Aug 2018 00:35
 Operator : MD\SY
 Sample : VSTDICC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
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MMDadoda
 8/15/2018 3:21:04 PM

Quant Time: Aug 14 07:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	124128	16.42	ug/l	98
94) Hexachlorobutadiene	15.01	225	86763	15.75	ug/l	98
95) Naphthalene	15.13	128	241886	14.15	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	122308	16.01	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

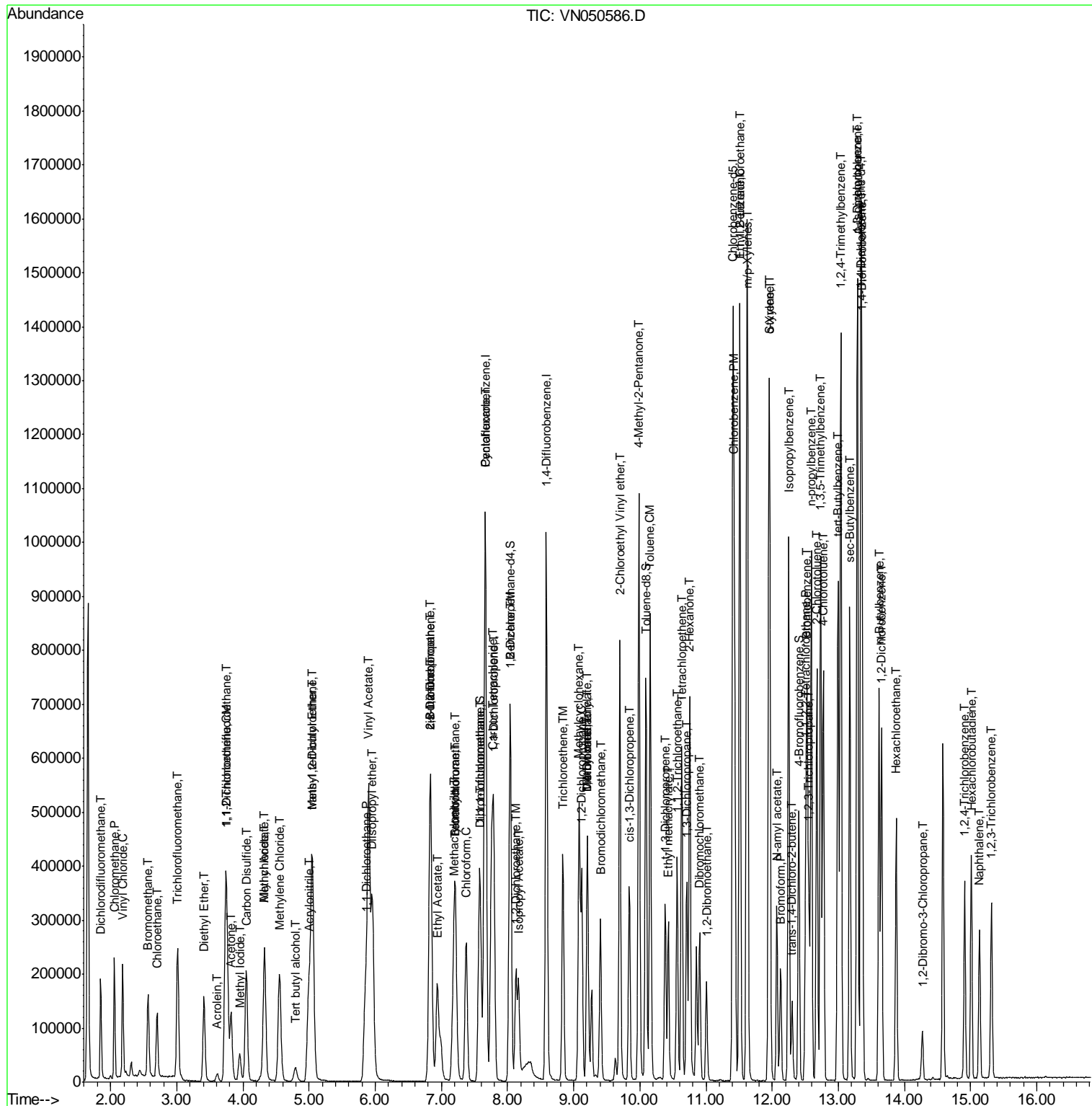
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 Acq On : 14 Aug 2018 00:35
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

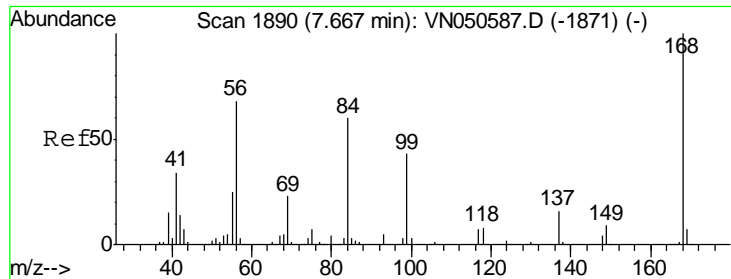
Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Aug 14 07:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration



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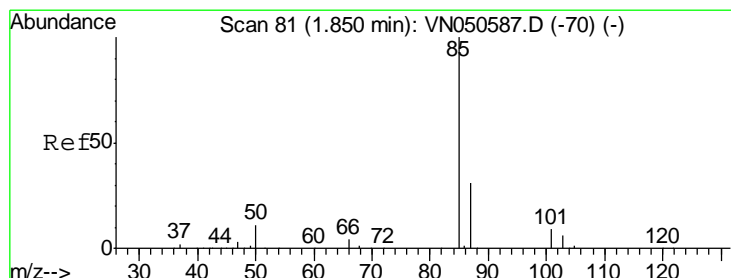
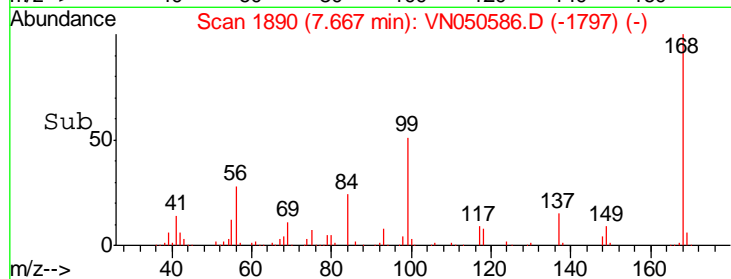
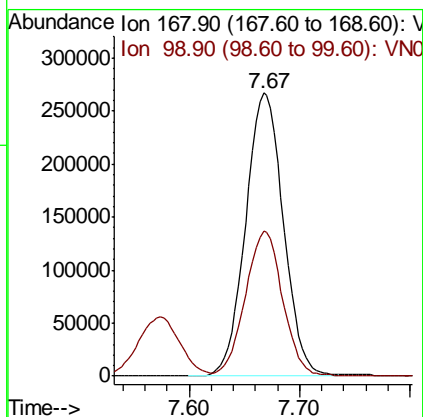
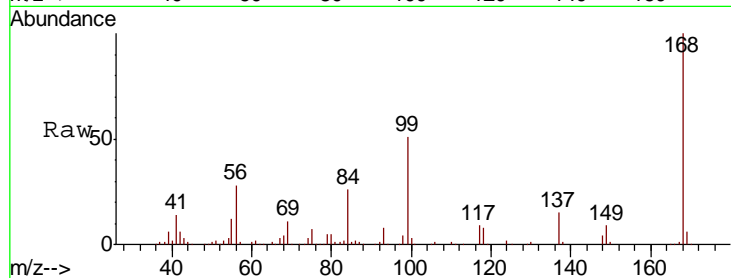
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.9	40.8	61.2

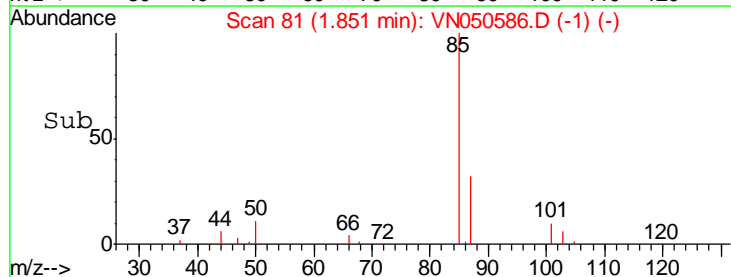
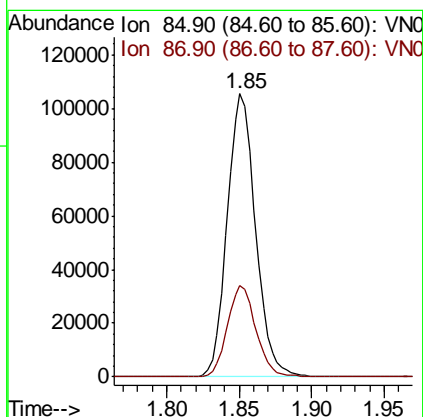
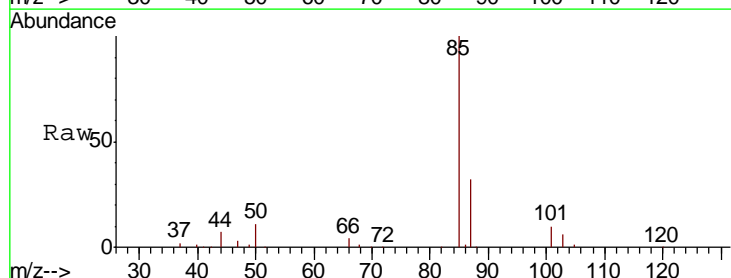
Manual Integrations
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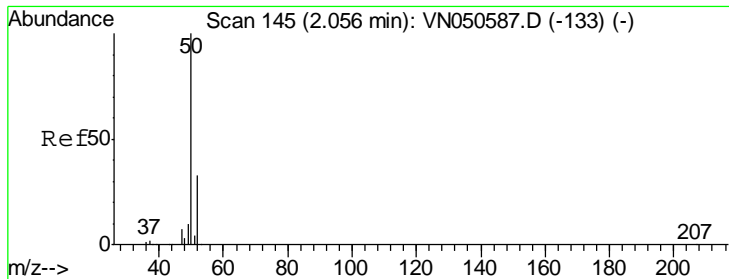
MMDadoda
 8/15/2018 3:21:04 PM



#2
 Dichlorodifluoromethane
 Concen: 20.36 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.2	15.8	47.3





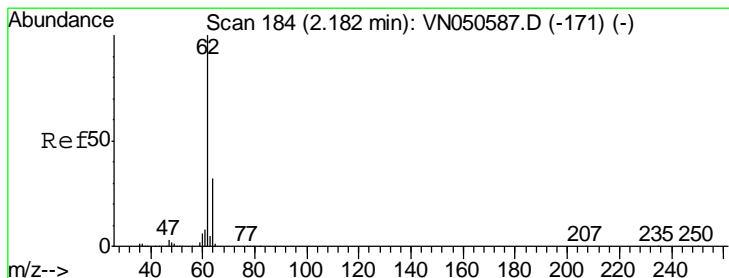
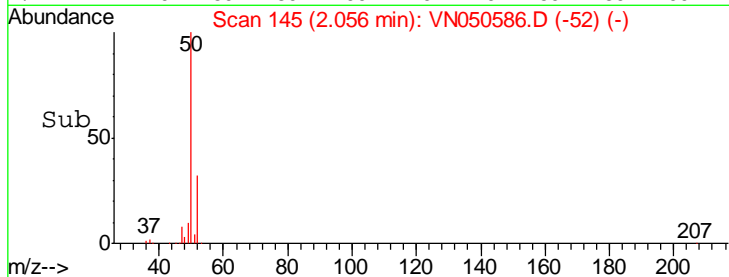
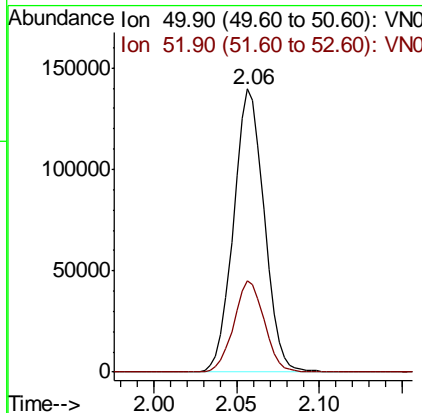
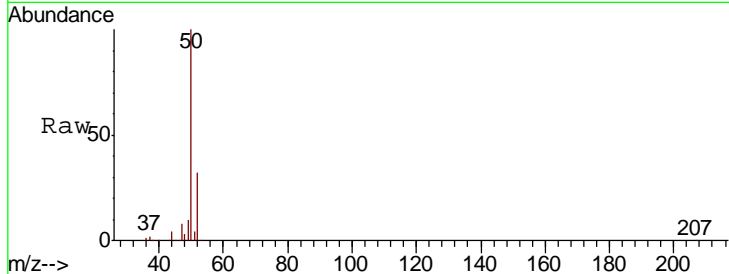
#3
 Chloromethane
 Concen: 19.16 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
50	179992		
52	32.1	26.0	39.0

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

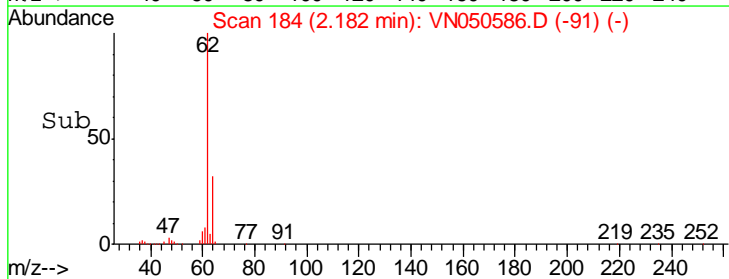
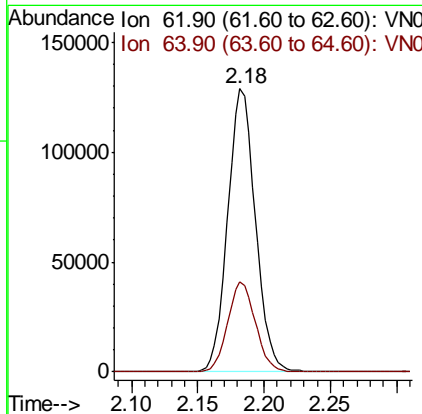
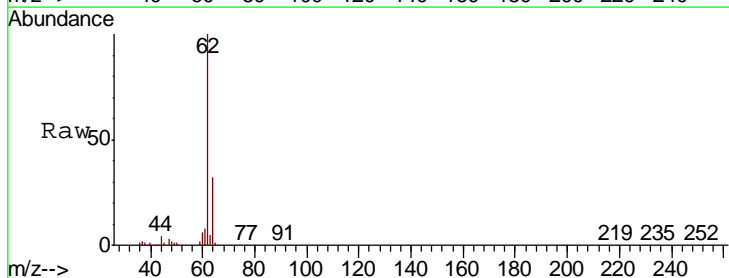
Manual Integrations
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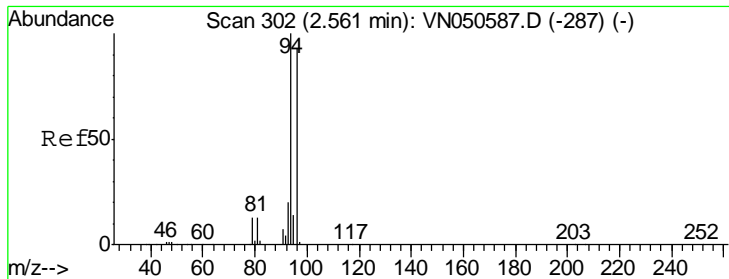
MMDadoda
 8/15/2018 3:21:04 PM



#4
 Vinyl Chloride
 Concen: 20.51 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
62	186987		
64	31.8	25.2	37.8





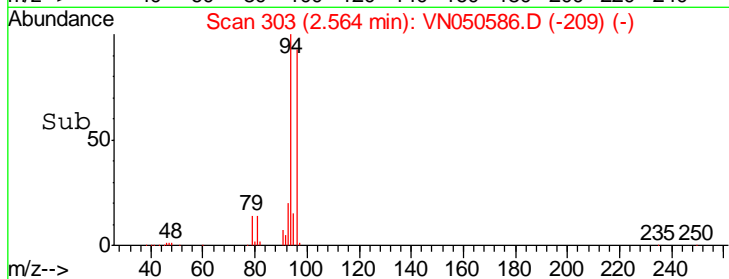
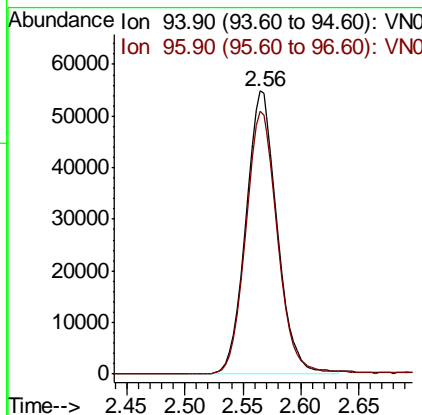
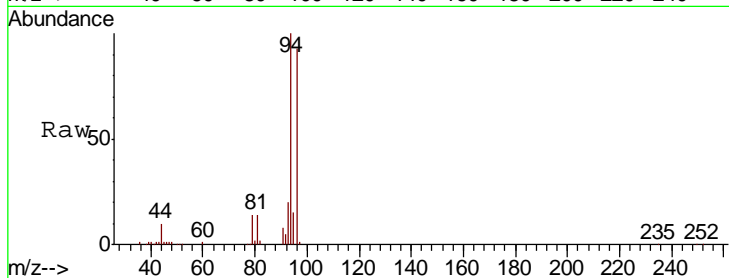
#5
 Bromomethane
 Concen: 18.48 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
94	103292		
96	92.7	74.0	111.0

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

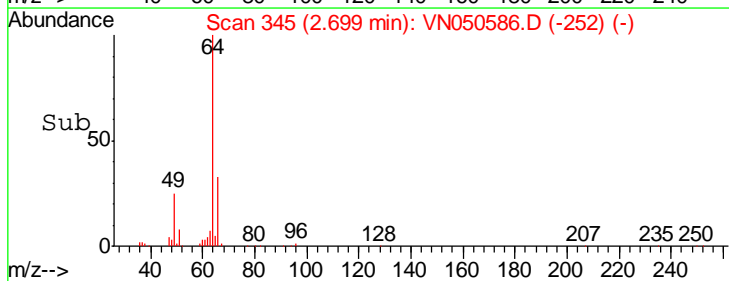
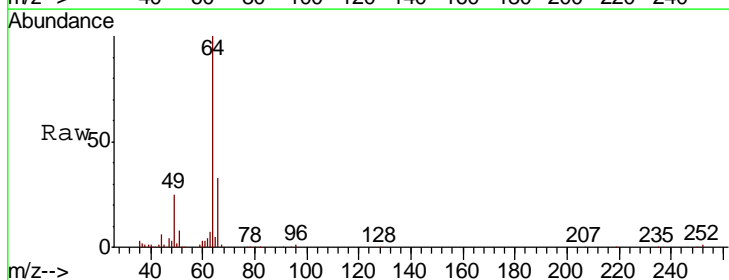
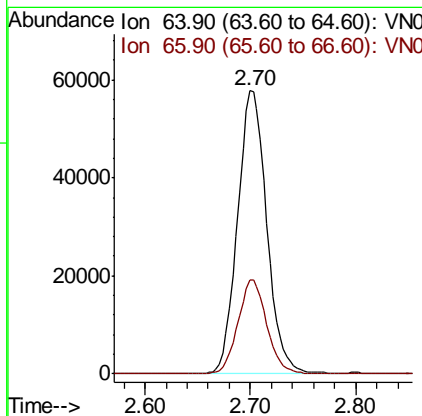
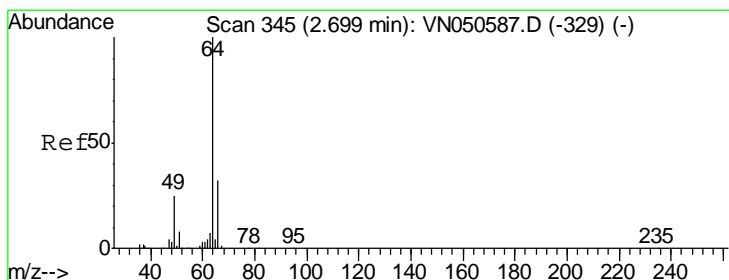
Manual Integrations
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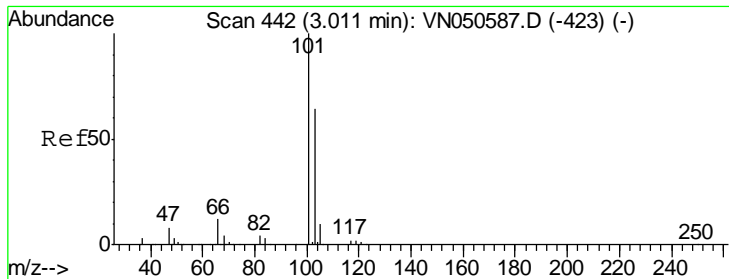
MMDadoda
 8/15/2018 3:21:04 PM



#6
 Chloroethane
 Concen: 19.91 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
64	111344		
66	33.1	25.7	38.5





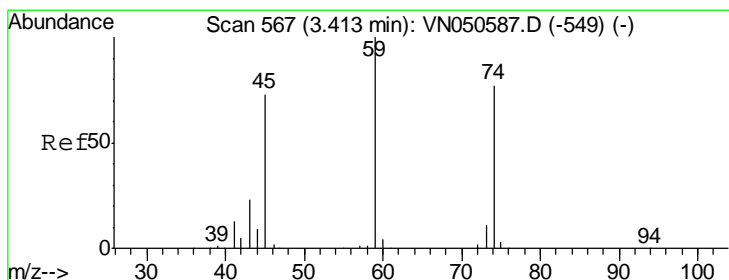
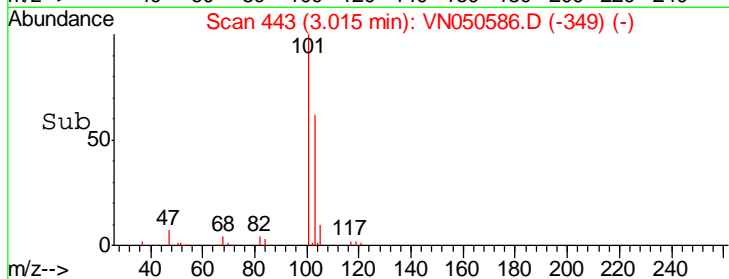
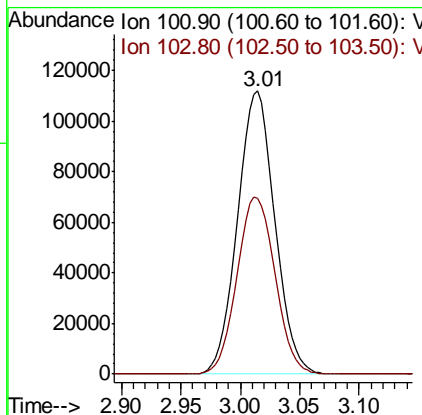
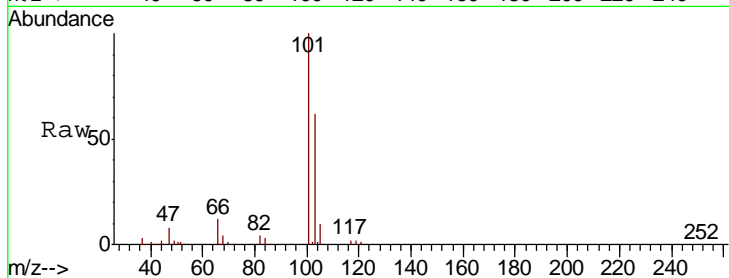
#7
 Trichlorofluoromethane
 Concen: 20.72 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
101	243531		
103	62.0	51.4	77.0

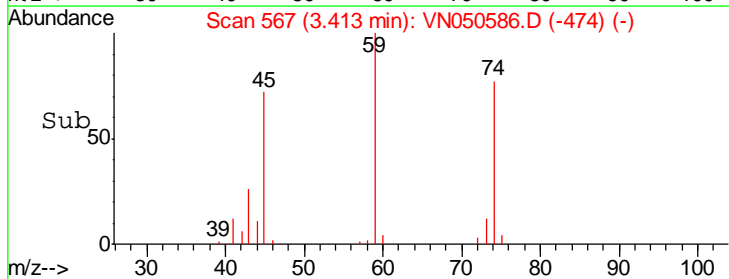
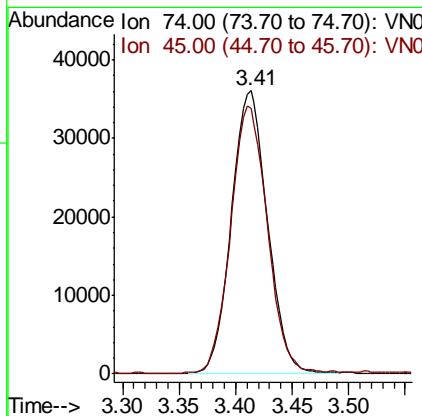
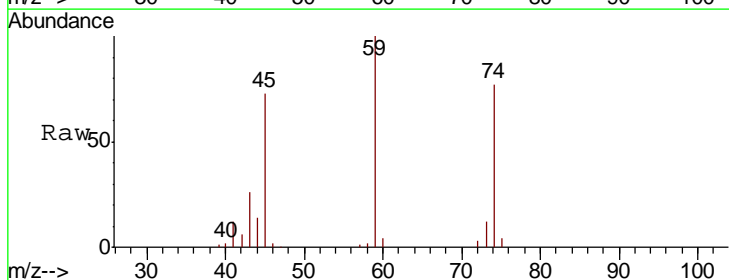
Manual Integrations
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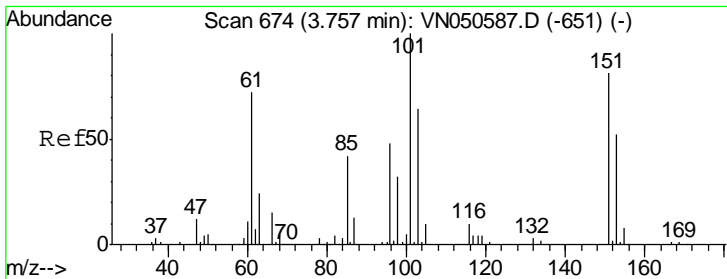
MMDadoda
 8/15/2018 3:21:04 PM



#8
 Diethyl Ether
 Concen: 18.79 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
74	80297		
45	96.2	48.0	144.2





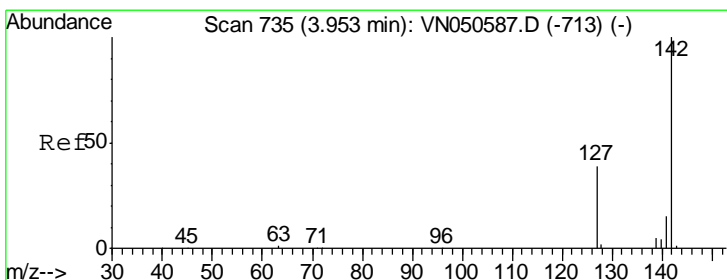
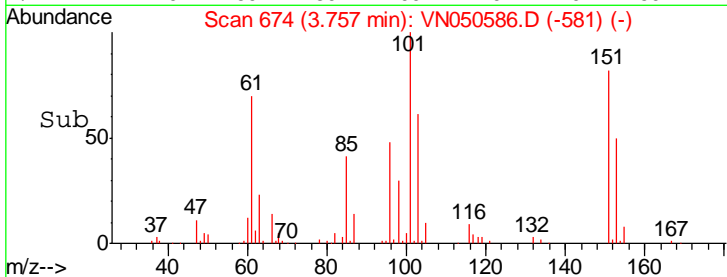
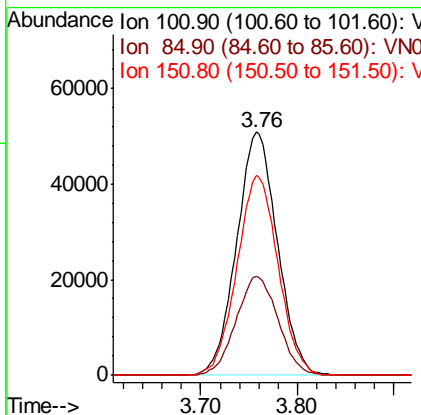
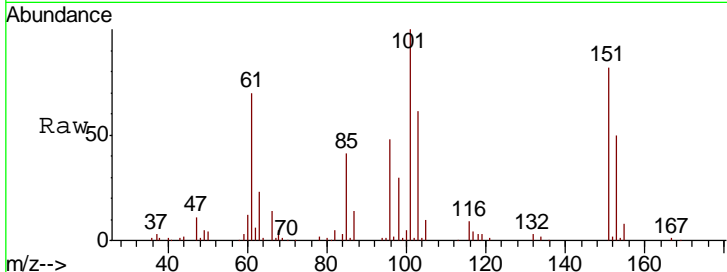
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.50 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
101	149015		
101	100		
85	41.9	33.4	50.0
151	82.6	66.6	100.0

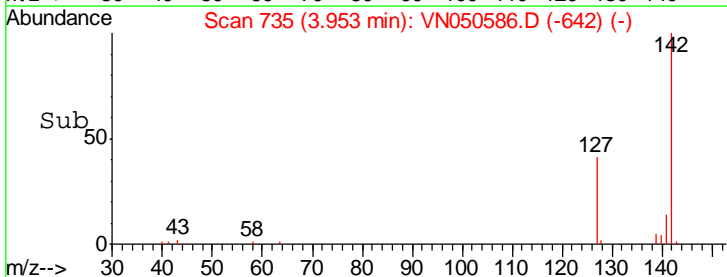
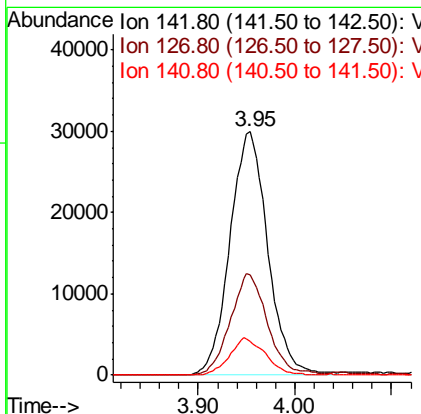
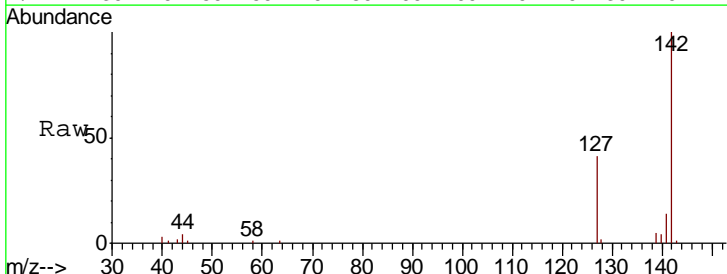
Manual Integrations
 APPROVED

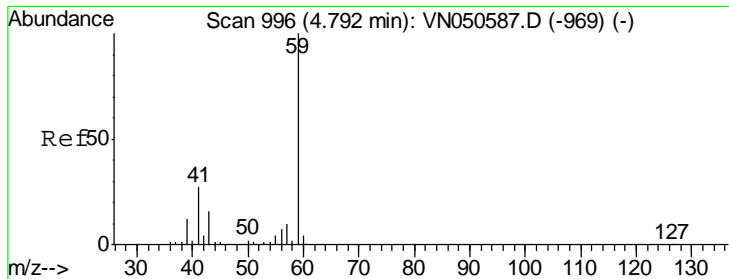
MMDadoda
 8/15/2018 3:21:04 PM



#10
 Methyl Iodide
 Concen: 23.15 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
142	81313		
142	100		
127	40.9	32.6	49.0
141	14.3	11.5	17.3





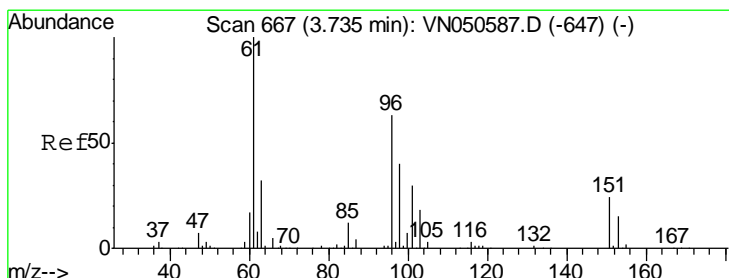
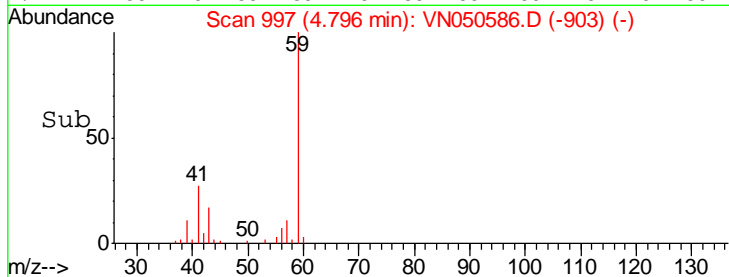
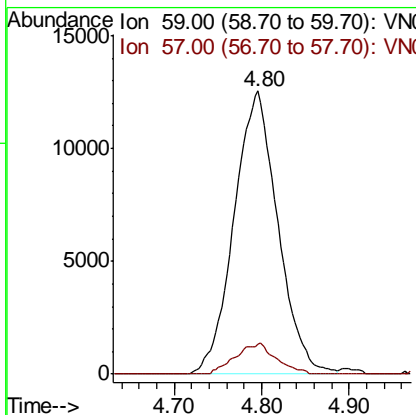
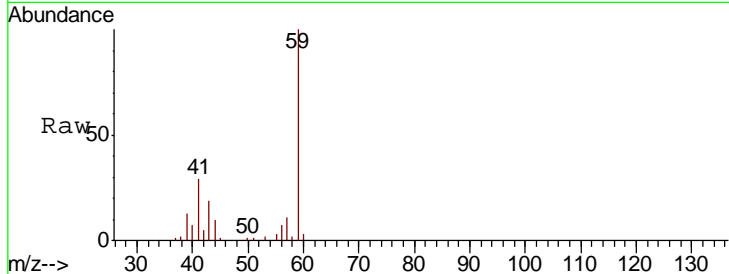
#11
 Tert butyl alcohol
 Concen: 69.10 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.1	8.4	12.6

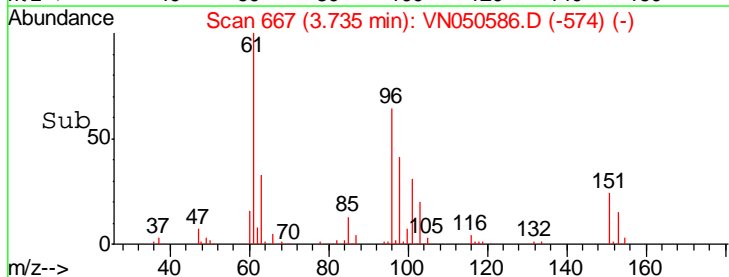
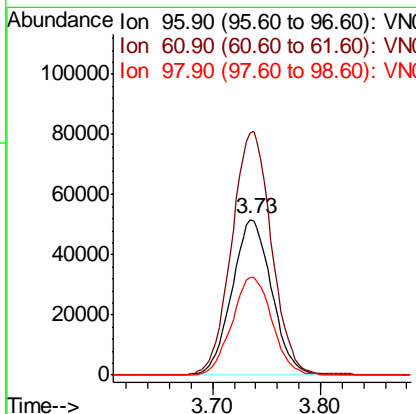
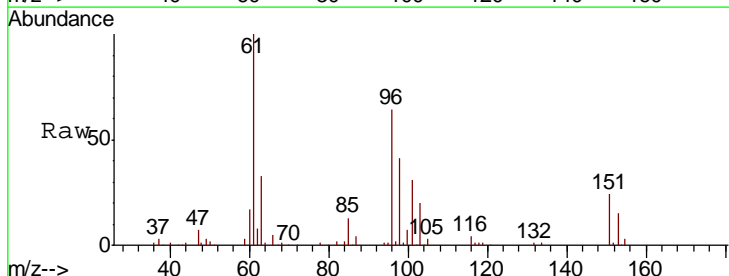
Manual Integrations
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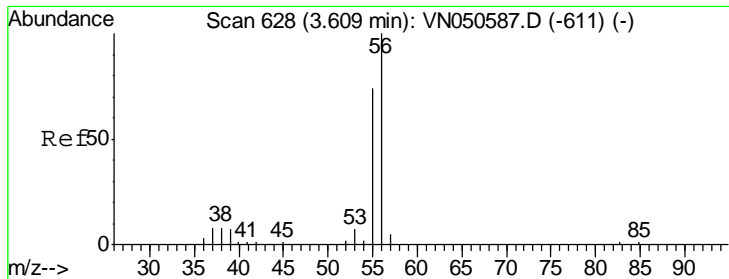
MMDadoda
 8/15/2018 3:21:04 PM



#12
 1,1-Dichloroethene
 Concen: 19.32 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
96	100		
61	155.1	126.9	190.3
98	63.0	51.1	76.7





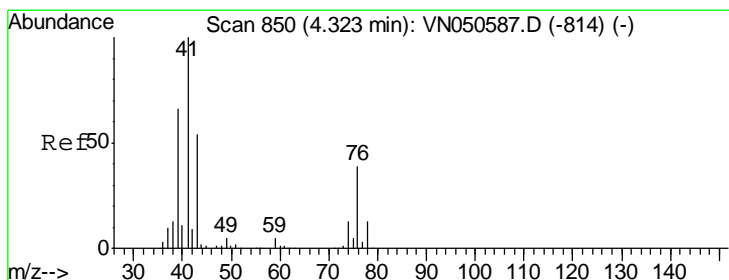
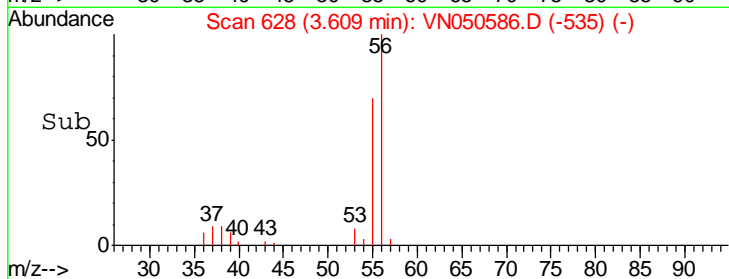
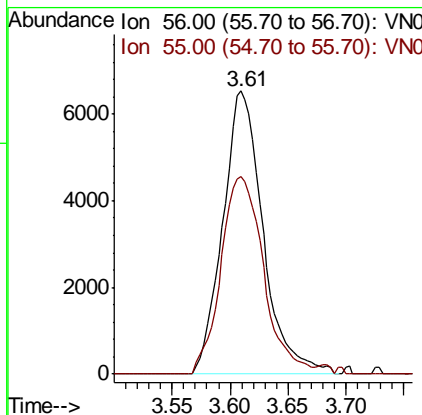
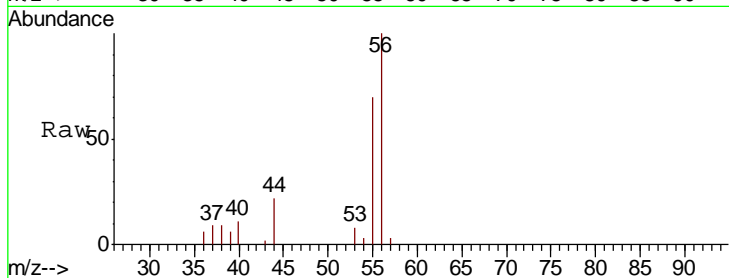
#13
 Acrolein
 Concen: 23.29 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	15720		
55	73.9	56.3	84.5

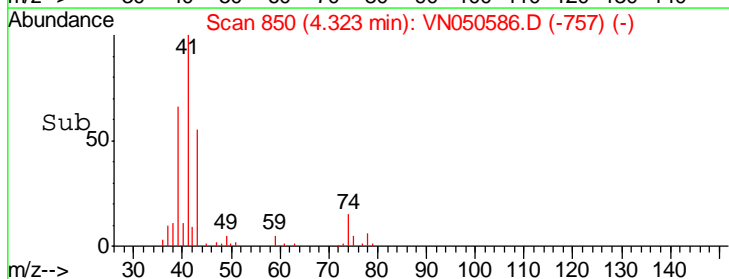
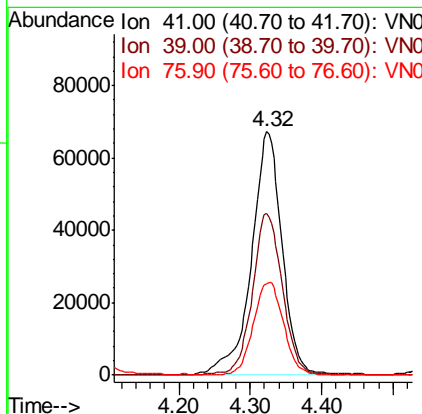
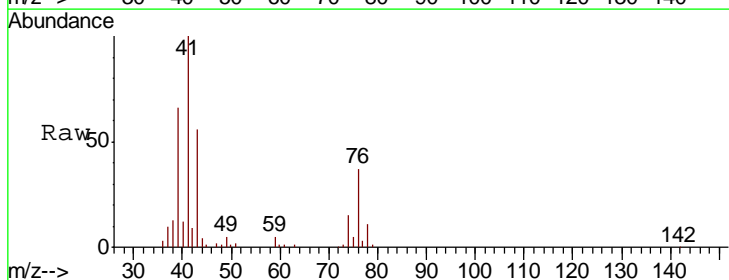
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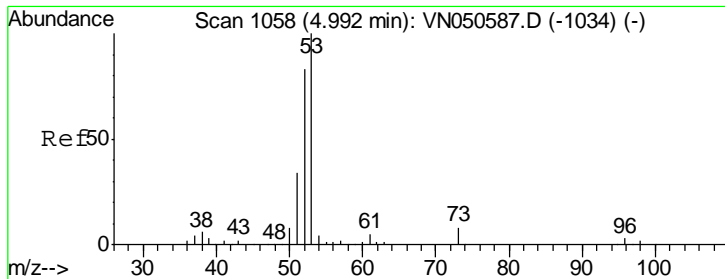
MMDadoda
 8/15/2018 3:21:04 PM



#14
 Allyl chloride
 Concen: 18.35 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
41	199972		
39	64.8	51.4	77.0
76	37.7	29.4	44.0





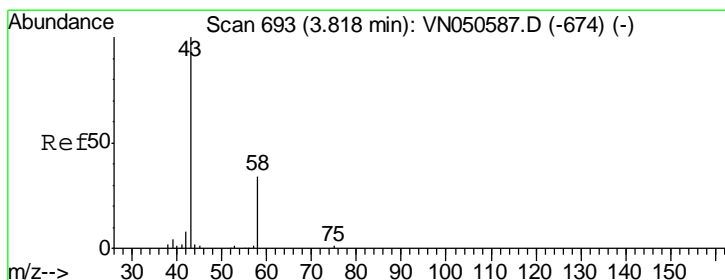
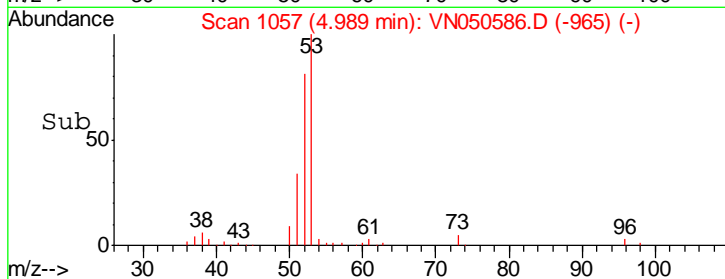
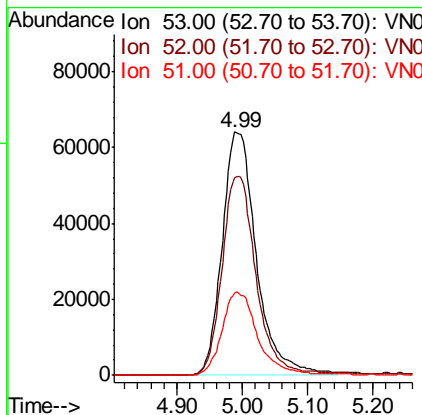
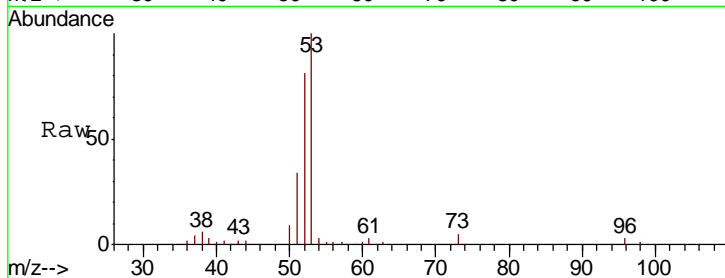
#15
 Acrylonitrile
 Concen: 84.65 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	35.4	28.6	43.0

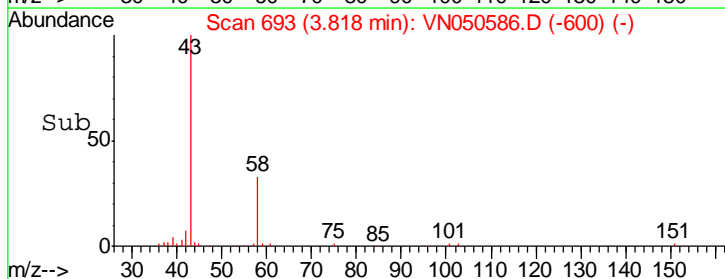
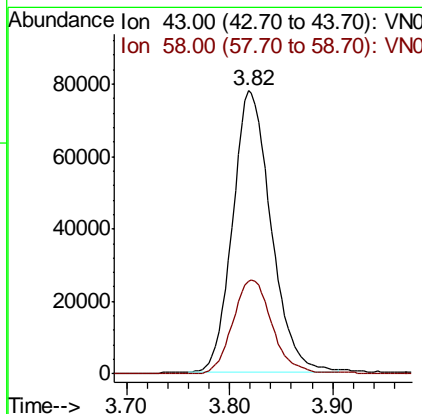
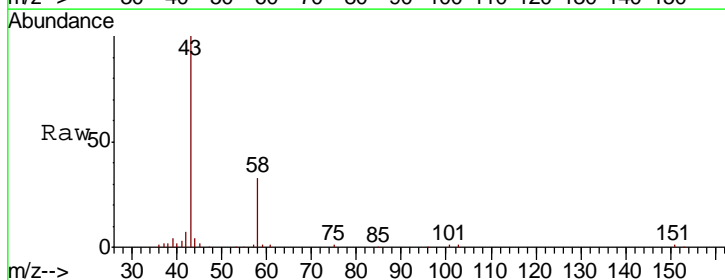
Manual Integrations
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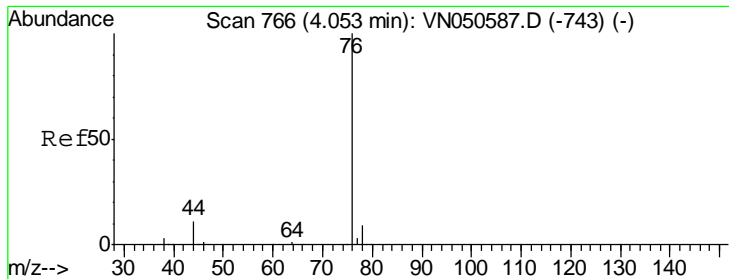
MMDadoda
 8/15/2018 3:21:04 PM



#16
 Acetone
 Concen: 76.11 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.9	27.1	40.7





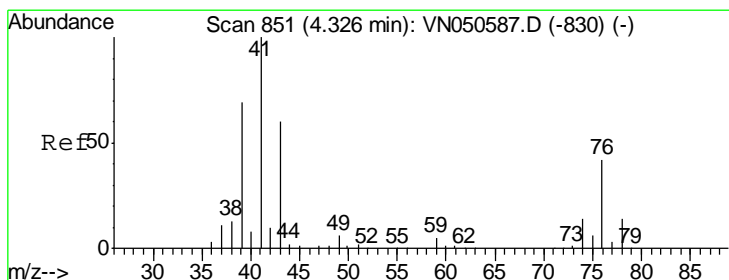
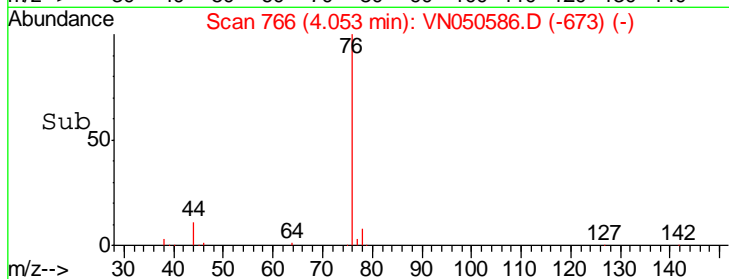
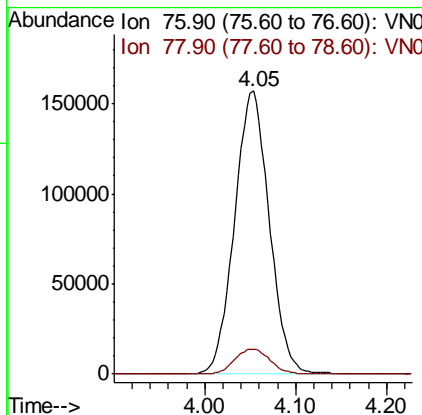
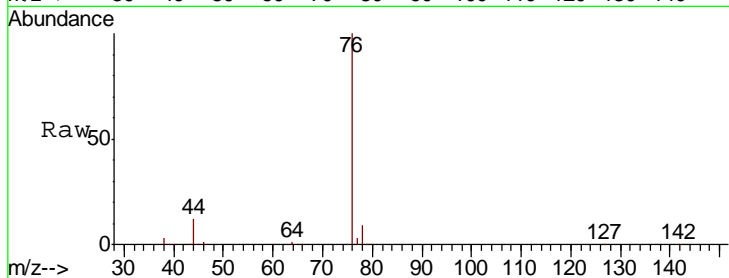
#17
 Carbon Disulfide
 Concen: 18.72 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	416499		
76	100		
78	8.9	7.3	10.9

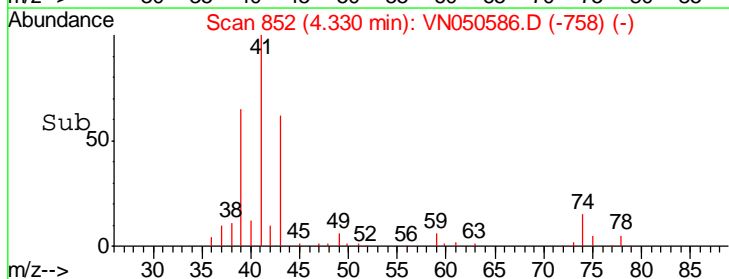
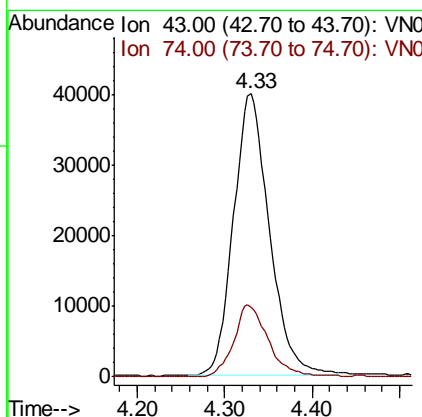
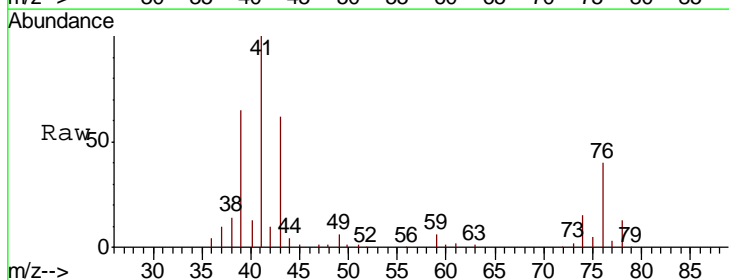
Manual Integrations
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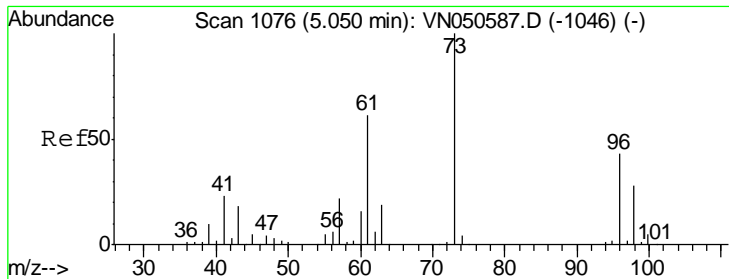
MMDadoda
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#18
 Methyl Acetate
 Concen: 15.15 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
43	114200		
43	100		
74	24.4	19.7	29.5



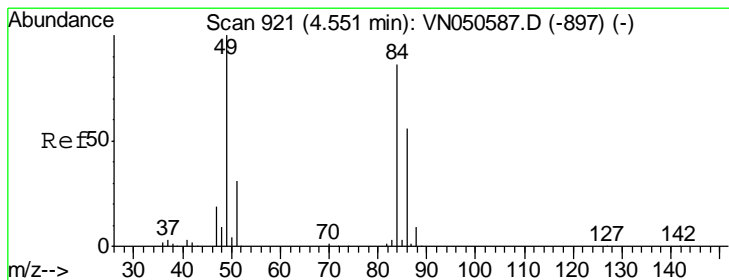
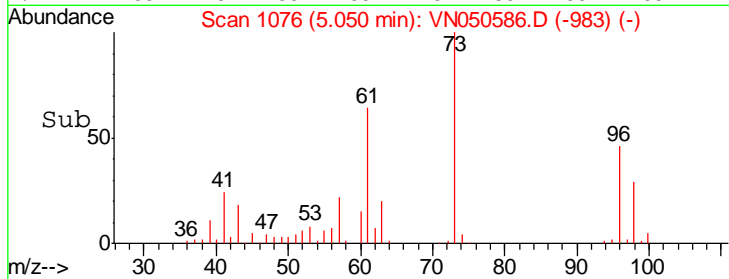
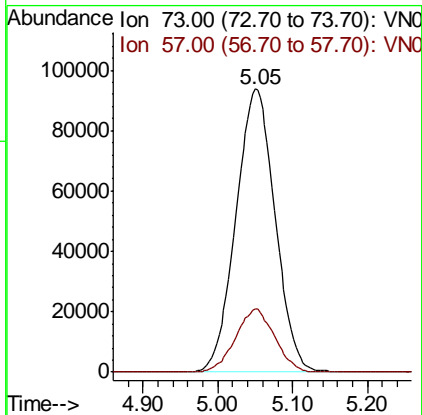
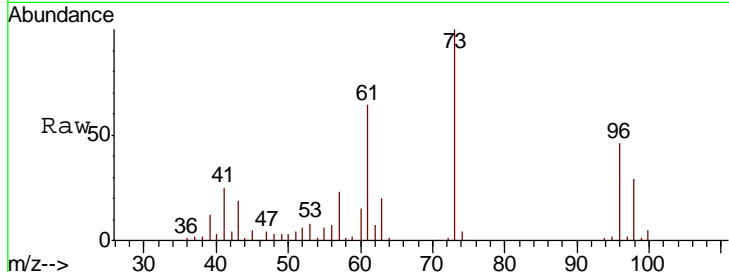


#19
 Methyl tert-butyl Ether
 Concen: 17.89 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
73	341293		
73	100		
57	22.5	17.9	26.9

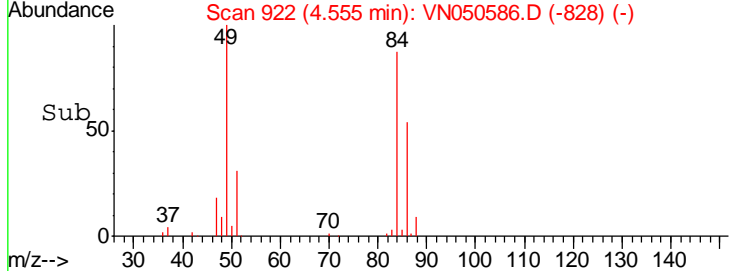
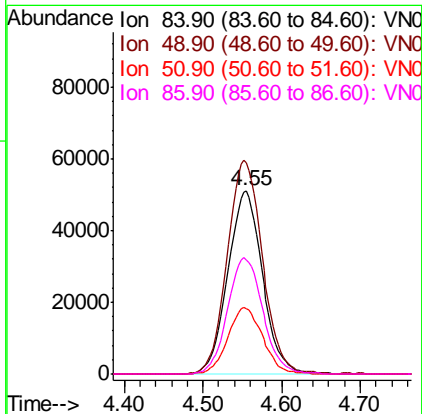
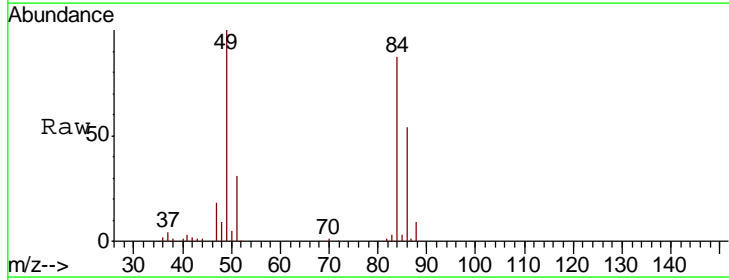
Instrument : MSVOA_N
 Client Sampled : VSTDIC020

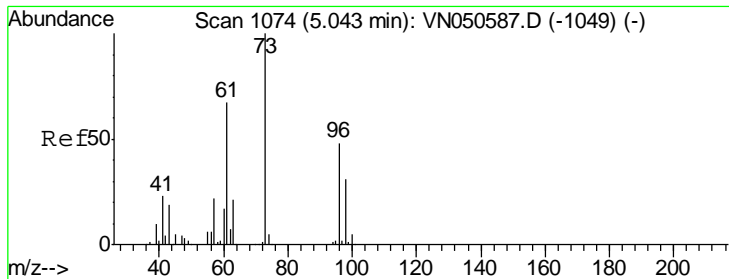
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#20
 Methylene Chloride
 Concen: 16.67 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

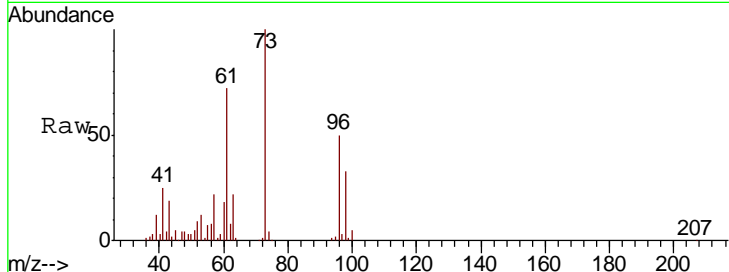
Tgt Ion	Resp	Lower	Upper
84	156921		
84	100		
49	114.8	92.6	138.8
51	35.6	28.6	43.0
86	62.2	52.2	78.2





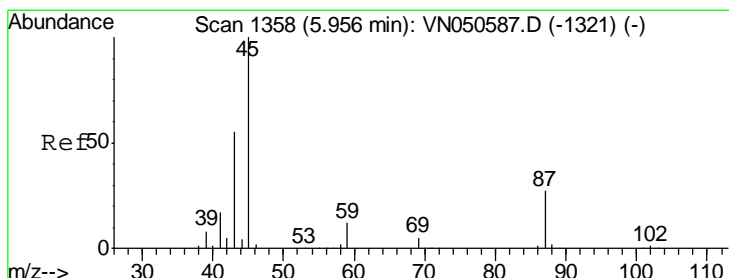
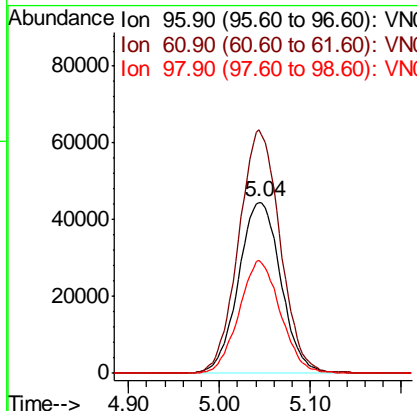
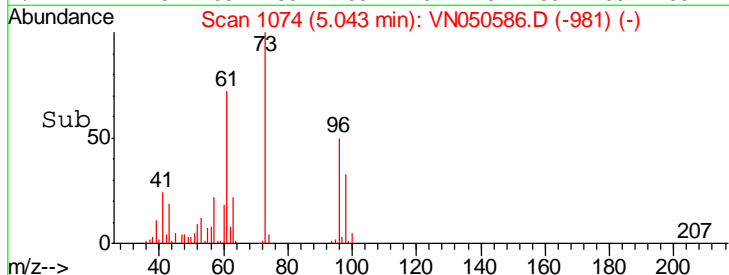
#21
 trans-1,2-Dichloroethene
 Concen: 19.52 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

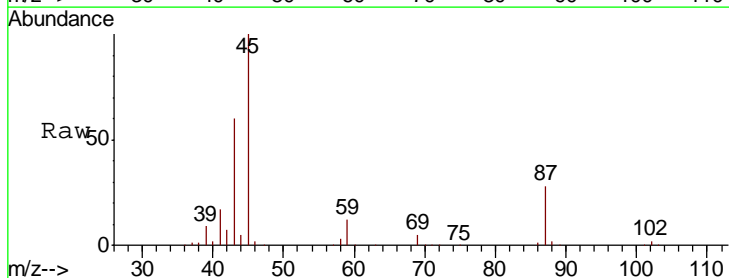


Tgt Ion	Resp	Lower	Upper
96	144392		
96	100		
61	142.2	111.2	166.8
98	66.1	51.6	77.4

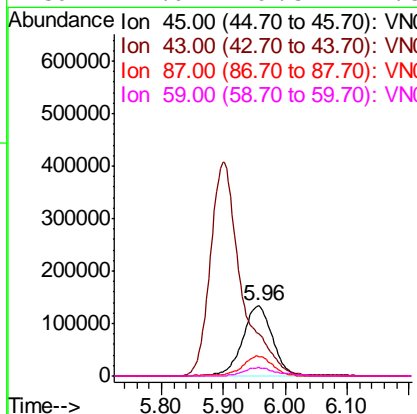
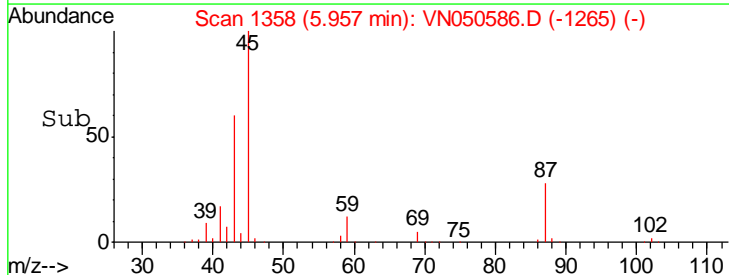
Manual Integrations
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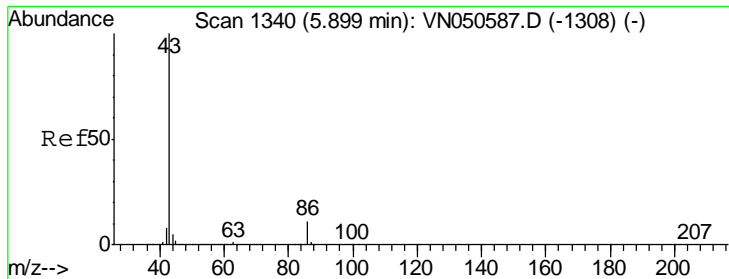


#22
 Diisopropyl ether
 Concen: 20.03 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35



Tgt Ion	Resp	Lower	Upper
45	447885		
45	100		
43	58.8	44.5	66.7
87	27.9	22.2	33.2
59	11.9	9.5	14.3





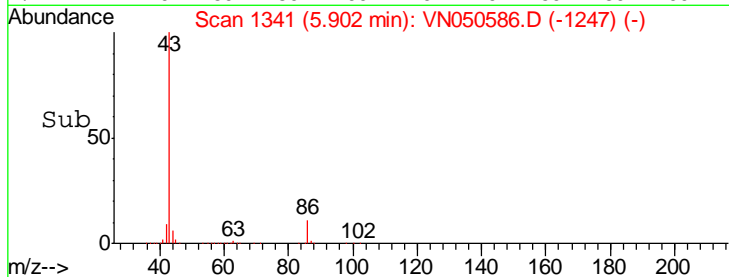
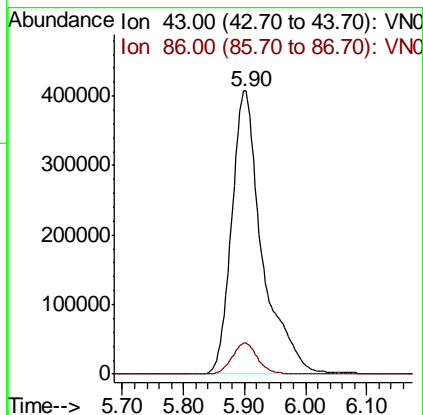
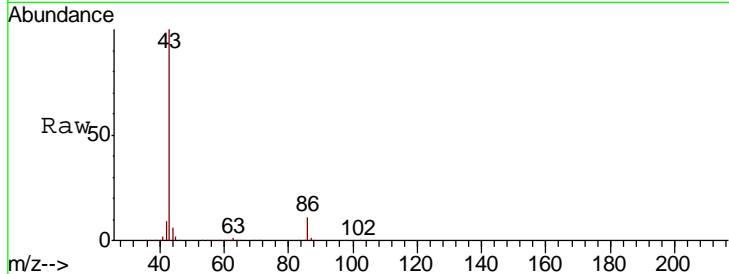
#23
 Vinyl Acetate
 Concen: 90.34 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.4	12.6

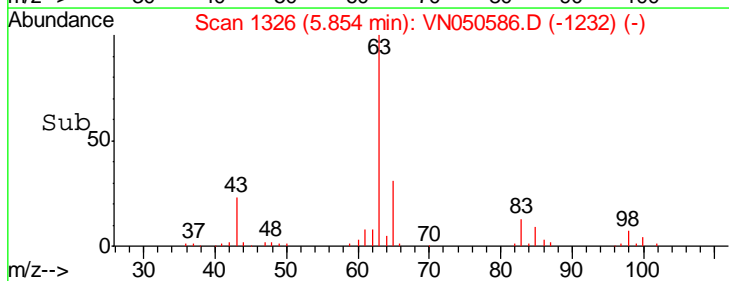
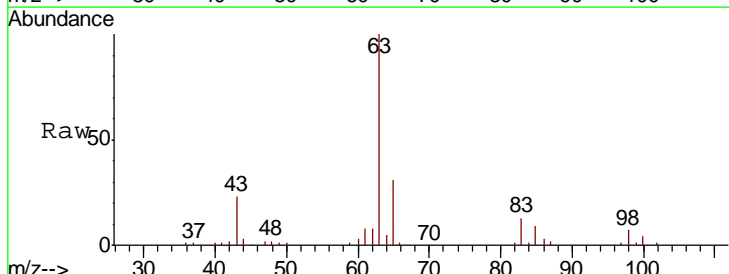
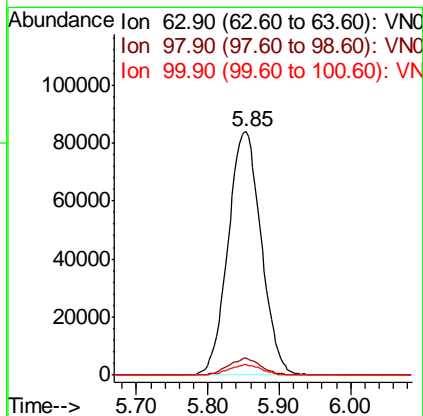
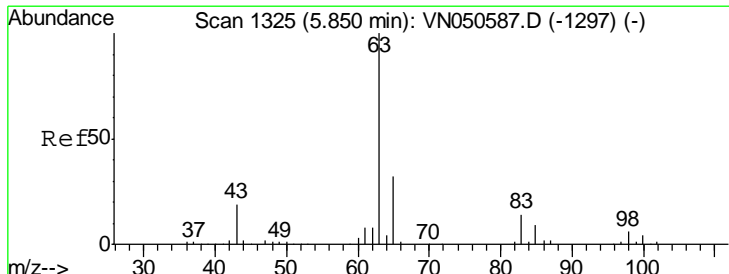
Manual Integrations
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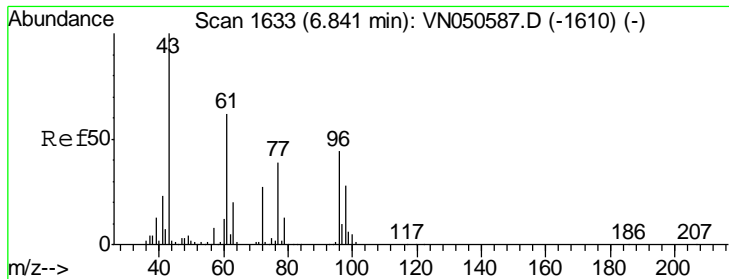
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#24
 1,1-Dichloroethane
 Concen: 19.69 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.2	9.6
100	4.3	2.1	6.5





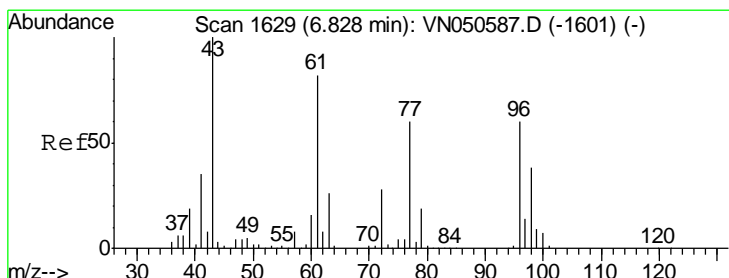
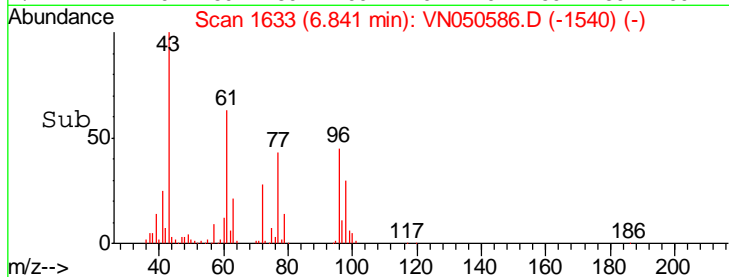
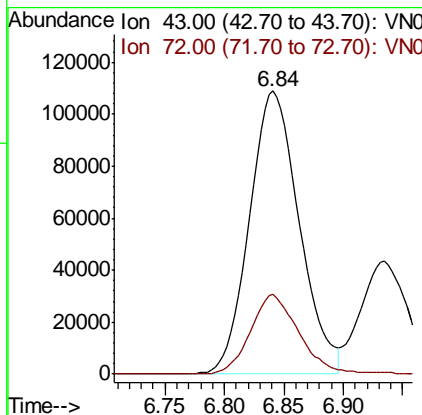
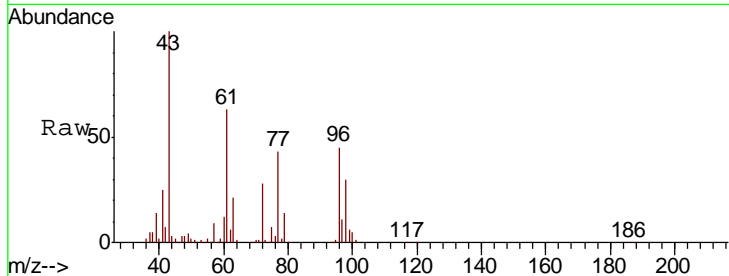
#25
 2-Butanone
 Concen: 78.52 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
72	28.0	21.8	32.6

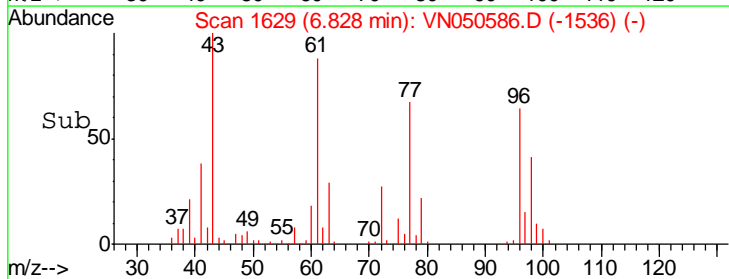
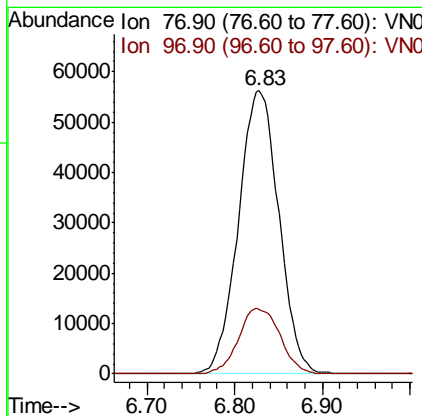
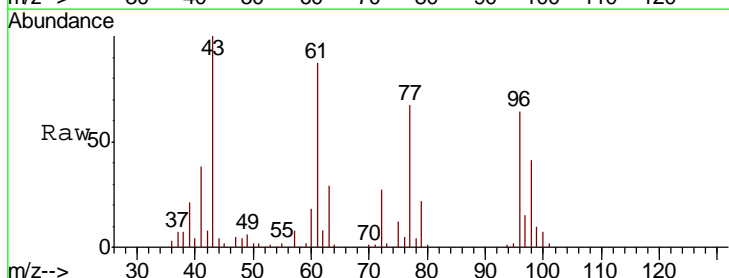
Manual Integrations
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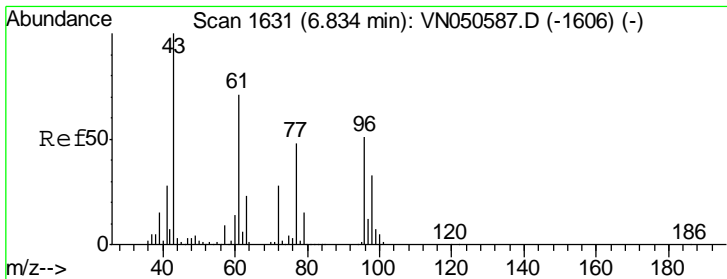
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#26
 2,2-Dichloropropane
 Concen: 16.39 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.8	12.2	36.4





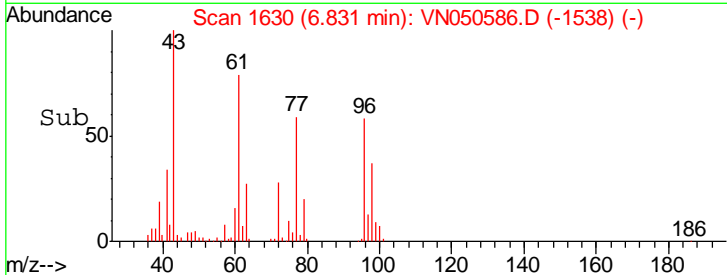
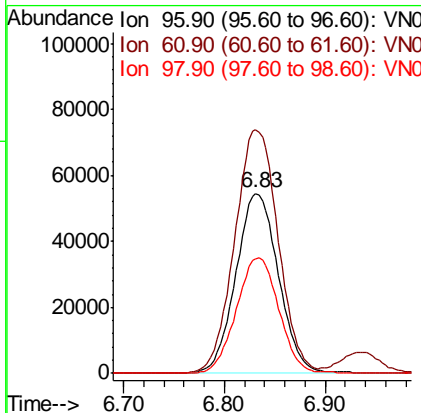
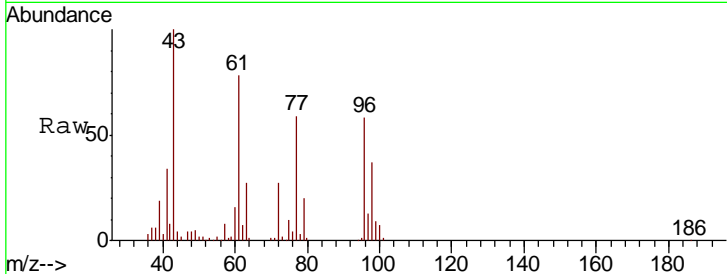
#27
 cis-1,2-Dichloroethene
 Concen: 19.52 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	159802		
96	100		
61	138.3	0.0	278.2
98	64.2	0.0	128.8

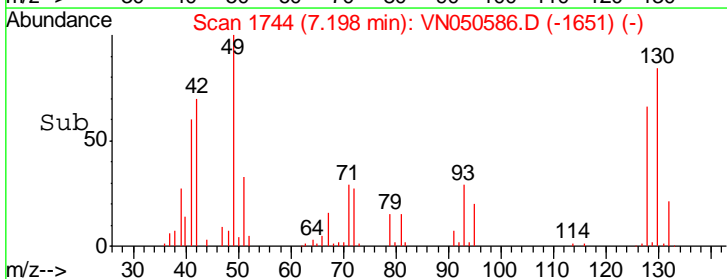
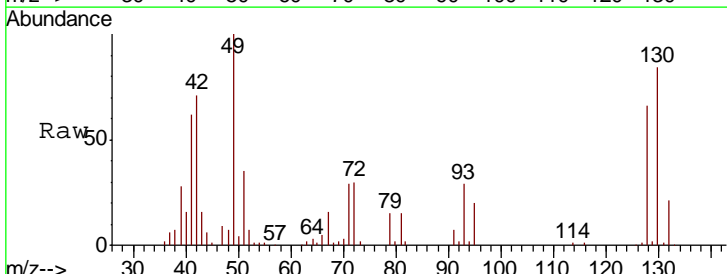
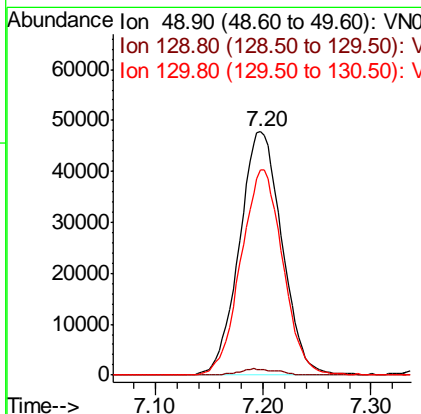
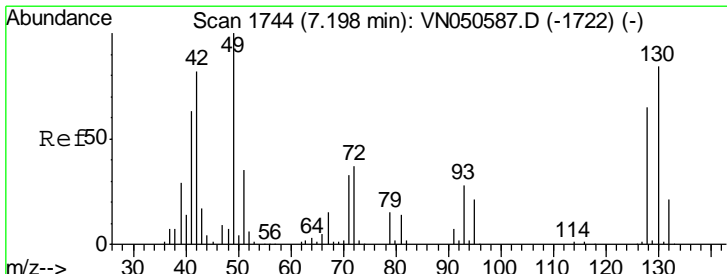
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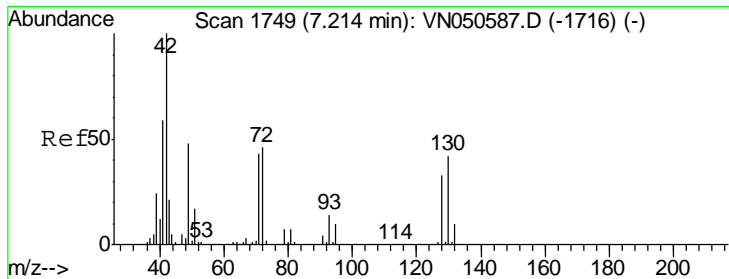
MMDadoda
 8/15/2018 3:21:04 PM



#28
 Bromochloromethane
 Concen: 20.65 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
49	130974		
49	100		
129	2.3	0.0	4.2
130	83.1	66.8	100.2





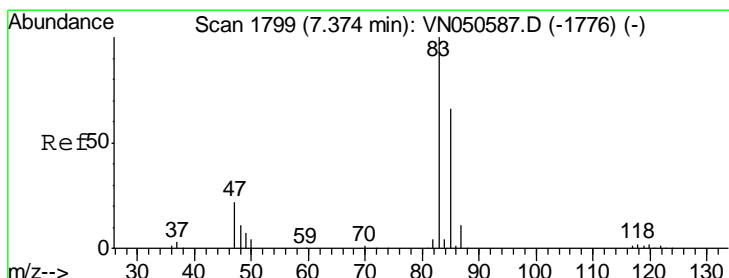
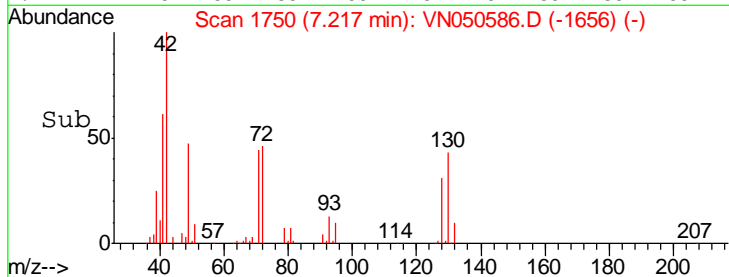
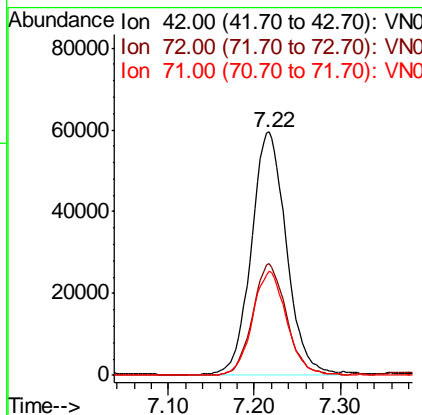
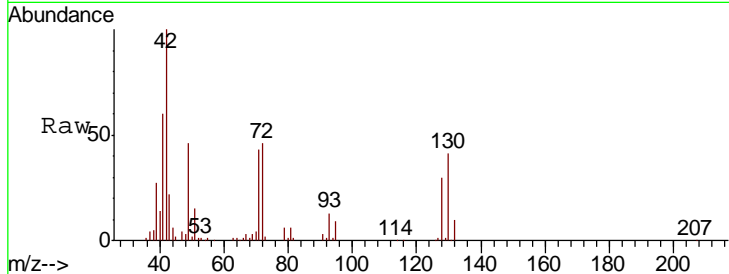
#29
 Tetrahydrofuran
 Concen: 77.64 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
42	167631		
72	44.6	35.8	53.6
71	42.0	33.4	50.0

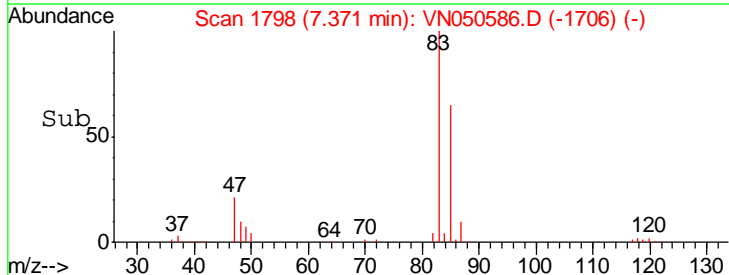
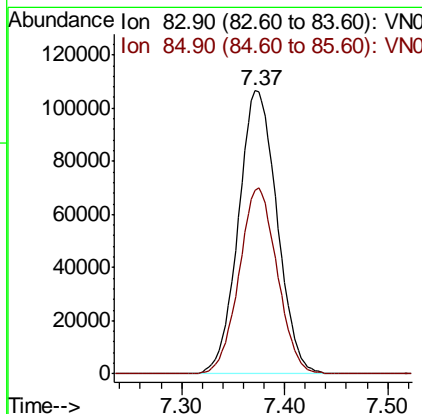
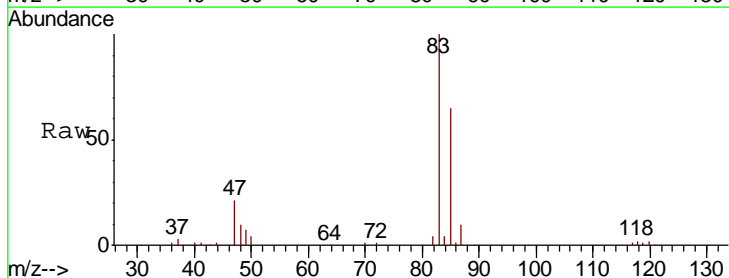
Manual Integrations
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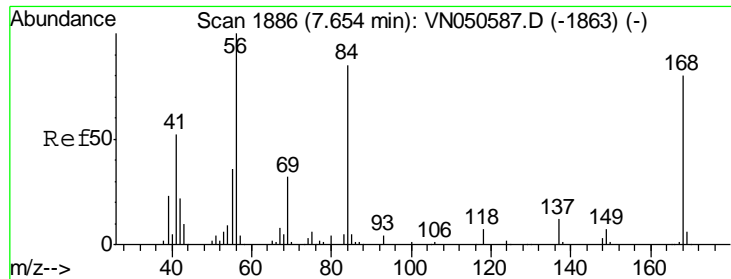
MMDadoda
 8/15/2018 3:21:04 PM



#30
 Chloroform
 Concen: 20.18 ug/l
 RT: 7.37 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
83	277529		
85	64.9	52.5	78.7





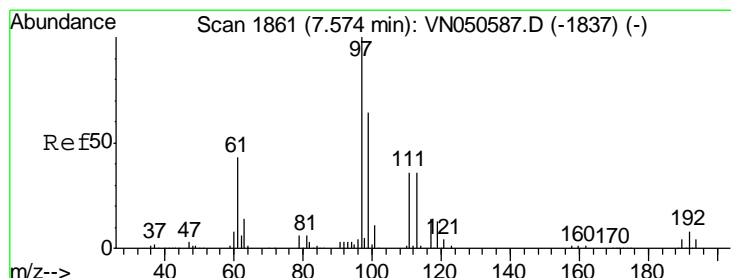
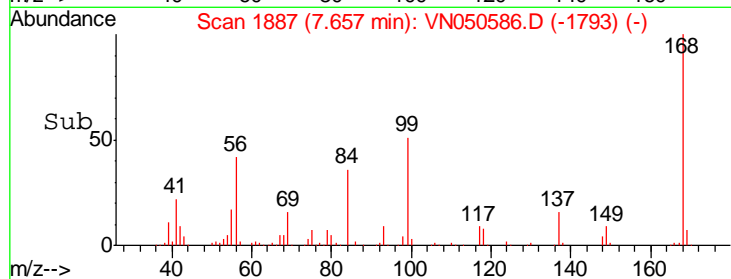
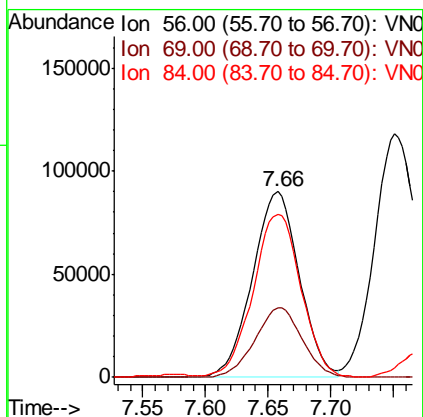
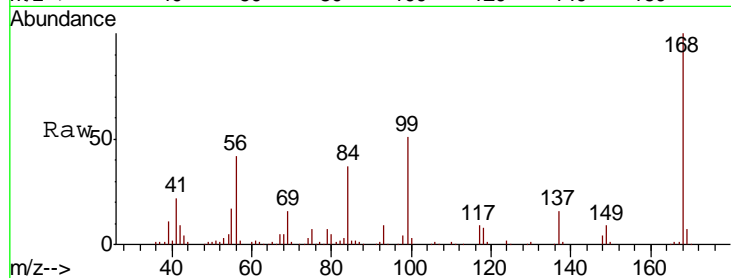
#31
 Cyclohexane
 Concen: 17.05 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	100		
69	37.3	25.8	38.6
84	86.4	67.8	101.6

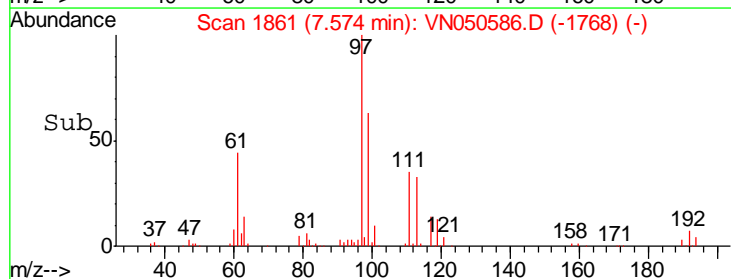
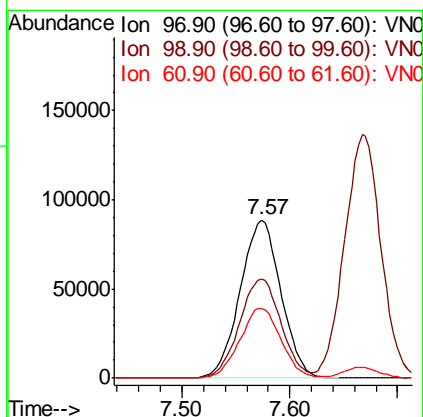
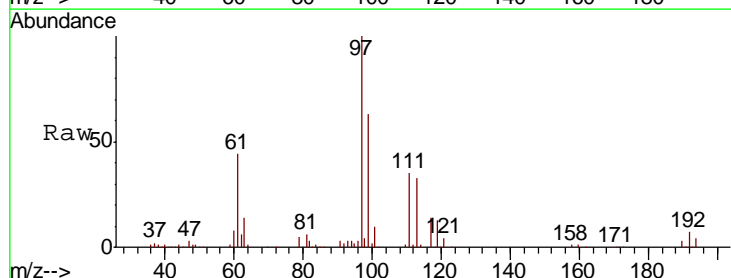
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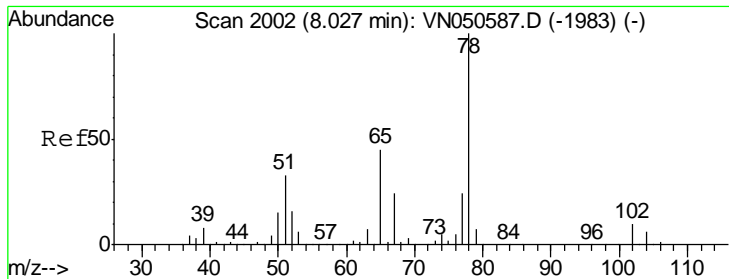
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 8/15/2018 3:21:04 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.71 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	44.7	34.8	52.2





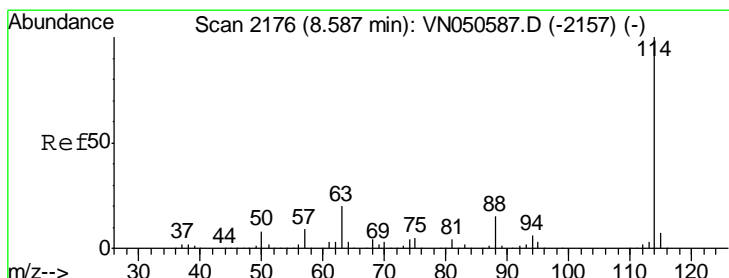
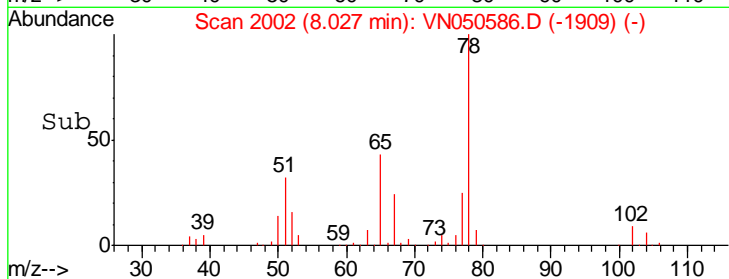
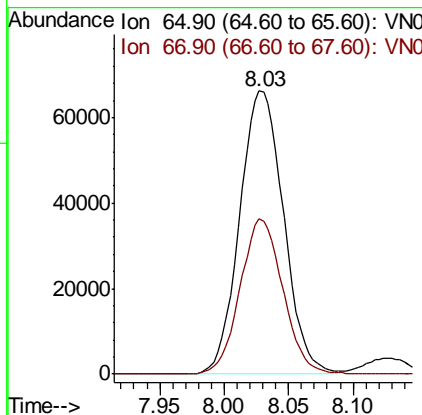
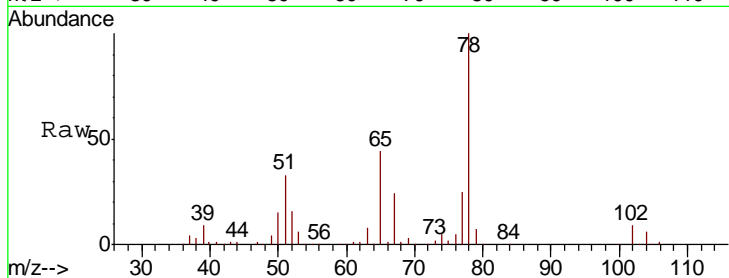
#33
 1,2-Dichloroethane-d4
 Concen: 18.74 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
65	157329		
65	100		
67	53.5	0.0	109.8

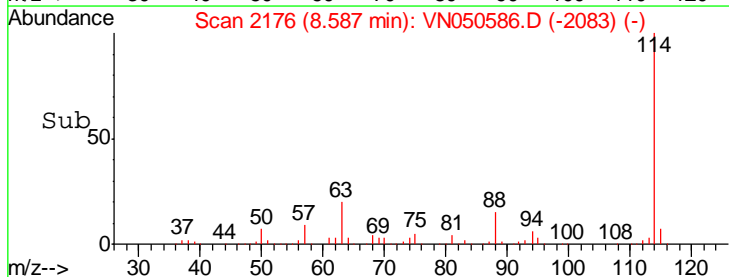
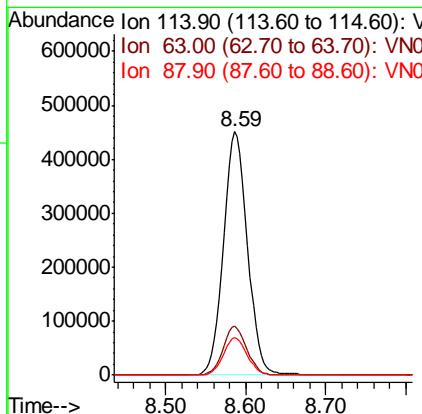
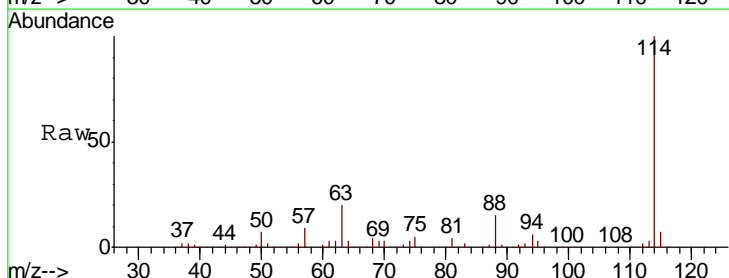
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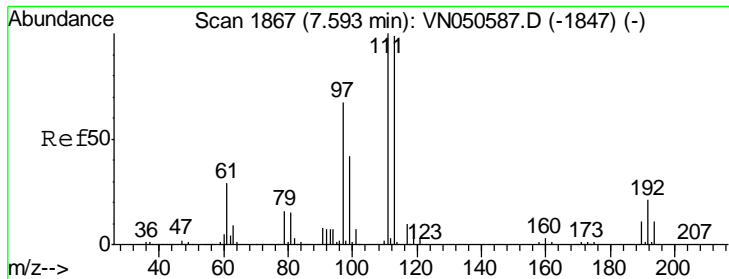
MMDadoda
 8/15/2018 3:21:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
114	929429		
114	100		
63	19.9	0.0	40.0
88	15.3	0.0	30.8





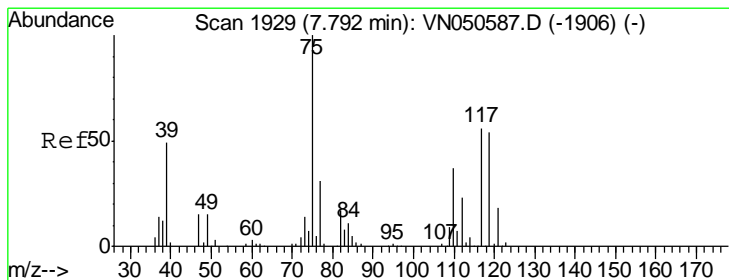
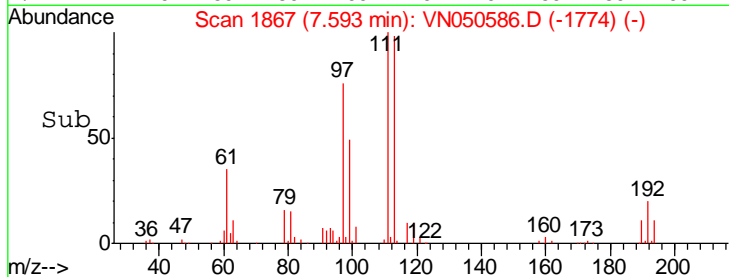
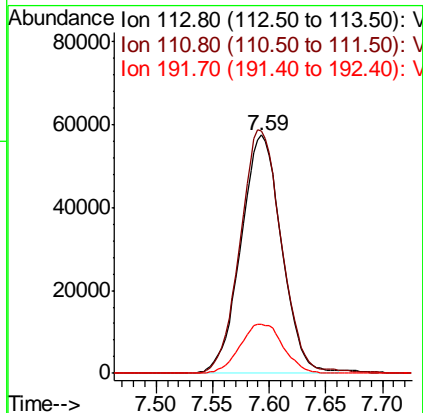
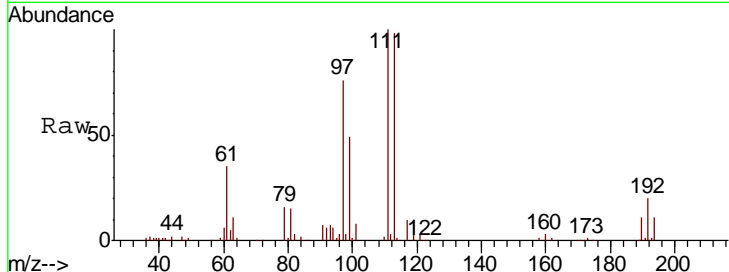
#35
 Dibromofluoromethane
 Concen: 19.25 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
113	100		
111	103.9	81.0	121.6
192	21.8	17.6	26.4

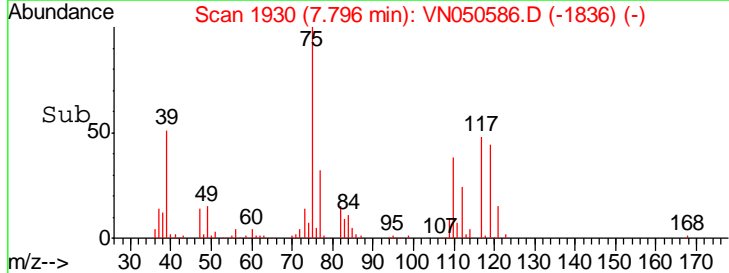
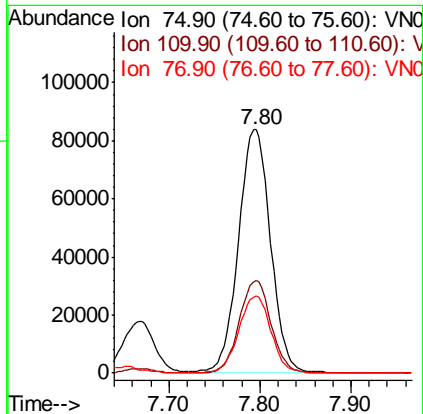
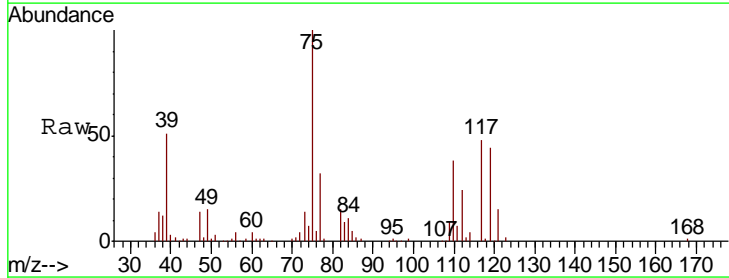
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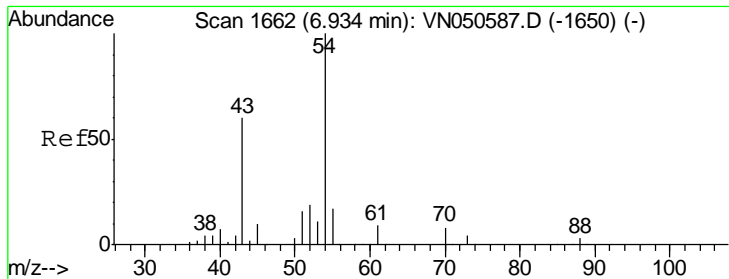
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#36
 1,1-Dichloropropene
 Concen: 20.03 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
75	100		
110	37.7	18.3	54.9
77	32.1	25.0	37.4





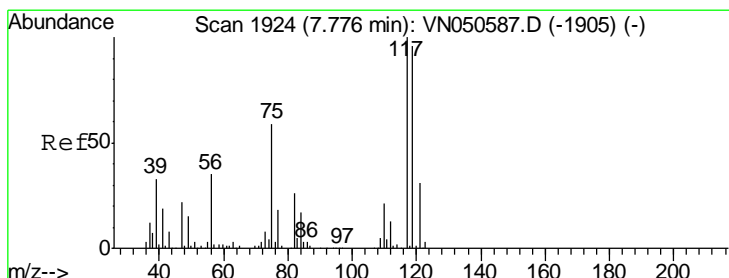
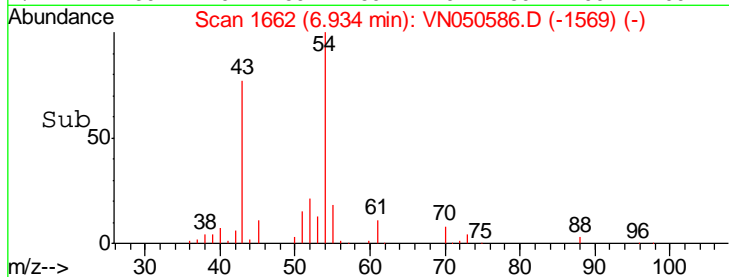
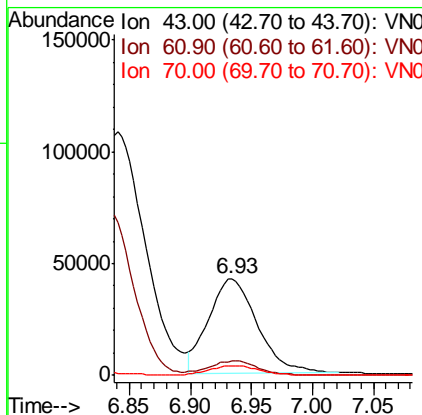
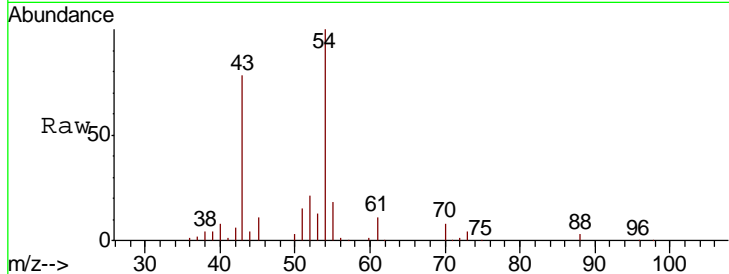
#37
 Ethyl Acetate
 Concen: 16.85 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	118938		
61	15.9	12.0	18.0
70	11.0	8.5	12.7

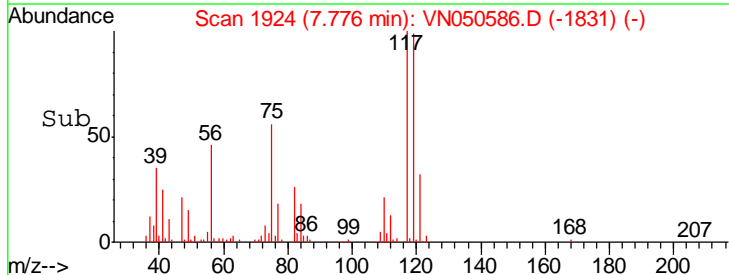
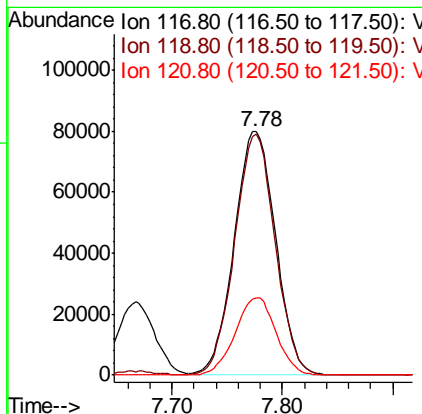
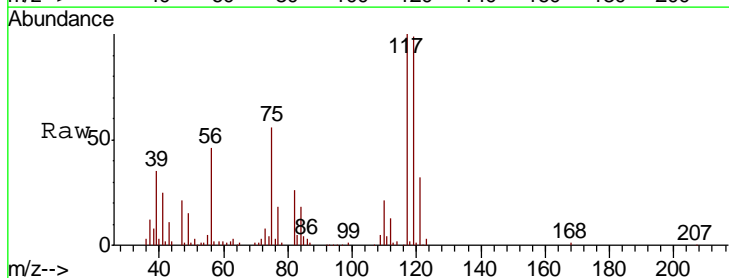
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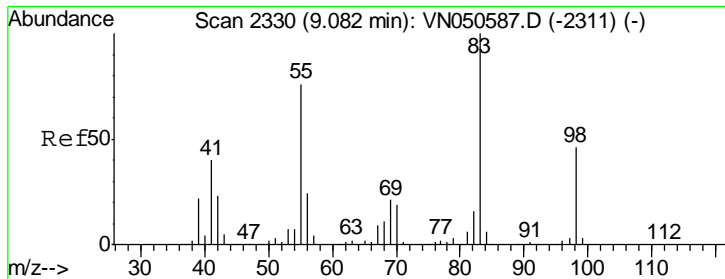
MMDadoda
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#38
 Carbon Tetrachloride
 Concen: 19.61 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
117	208617		
119	98.9	76.6	115.0
121	31.9	25.0	37.6





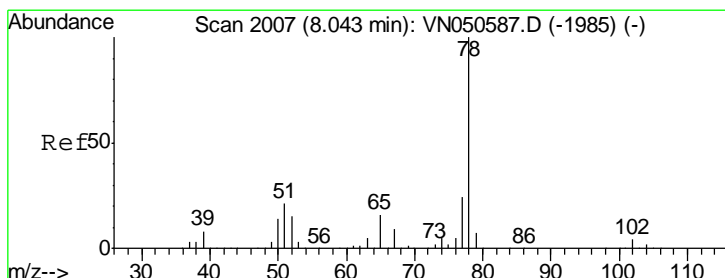
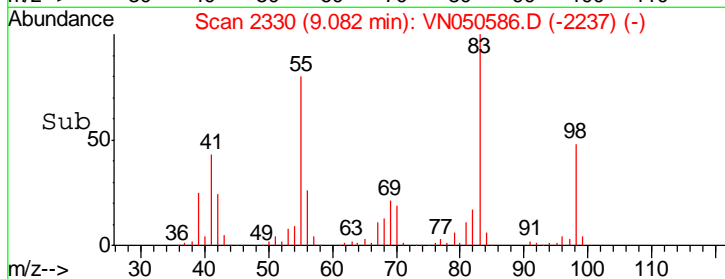
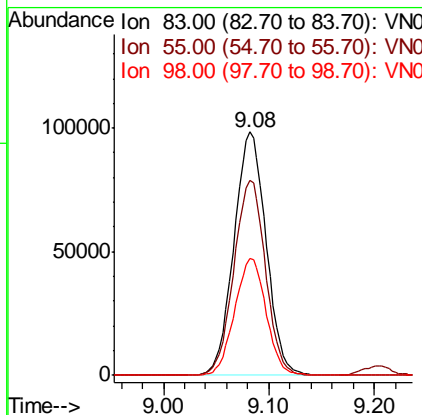
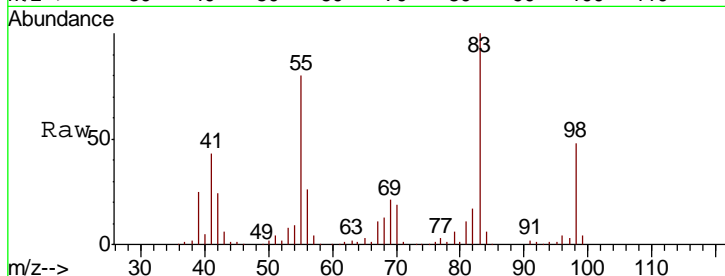
#39
 Methylcyclohexane
 Concen: 18.68 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	207768		
83	100		
55	80.2	60.6	91.0
98	47.8	37.0	55.4

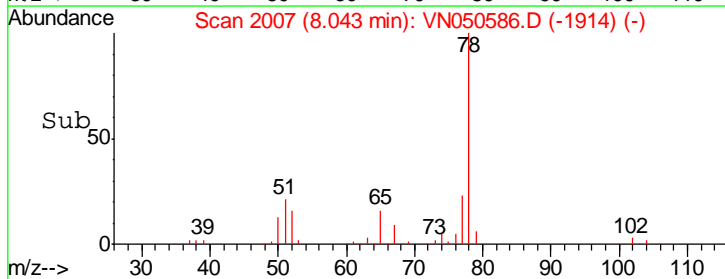
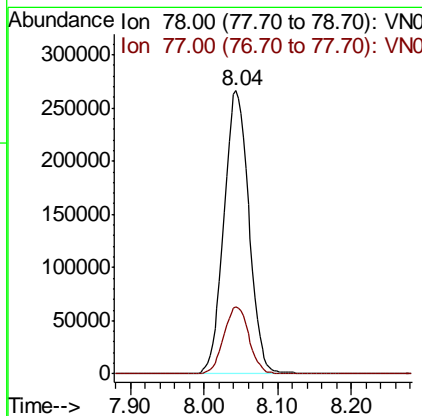
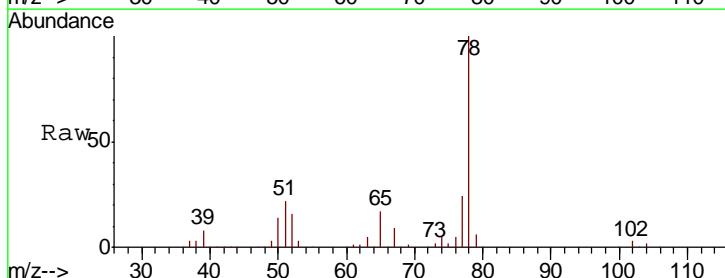
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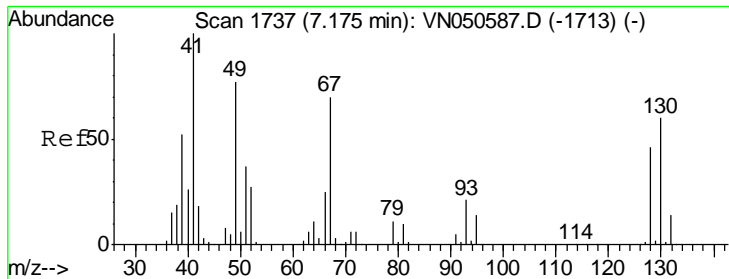
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#40
 Benzene
 Concen: 20.02 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
78	628460		
78	100		
77	23.6	19.0	28.6





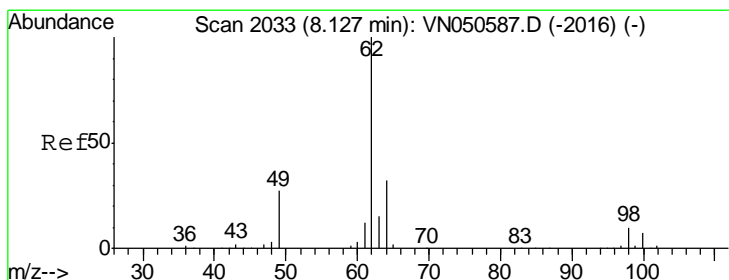
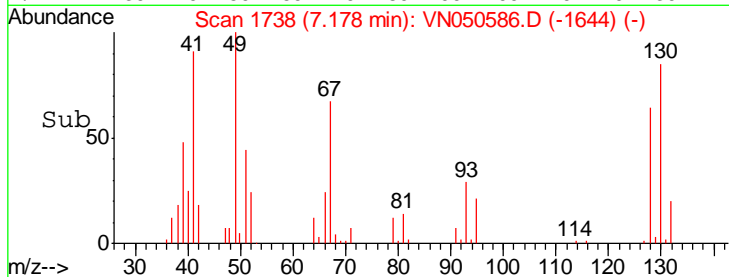
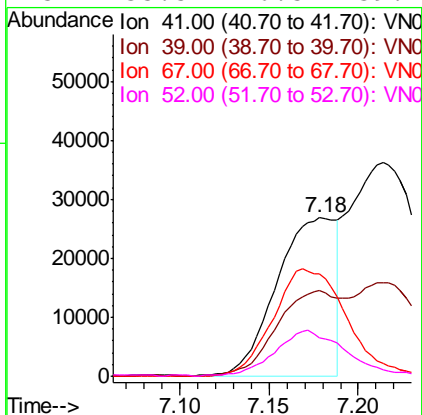
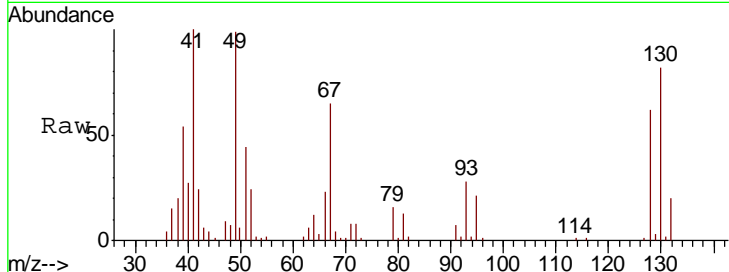
#41
 Methacrylonitrile
 Concen: 16.41 ug/l
 RT: 7.18 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
41	100		
39	56.9	44.6	66.8
67	83.8	66.7	100.1
52	35.5	26.5	39.7

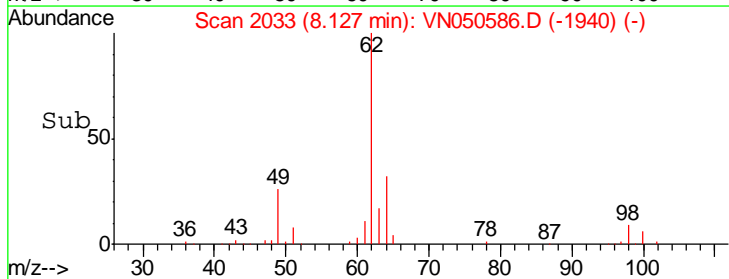
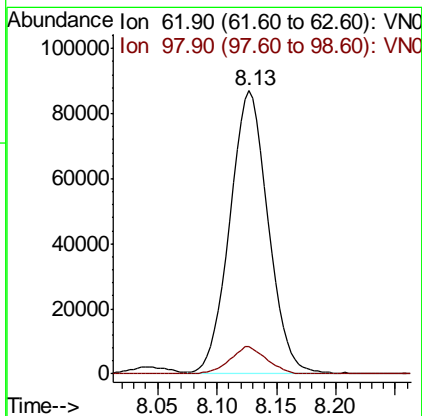
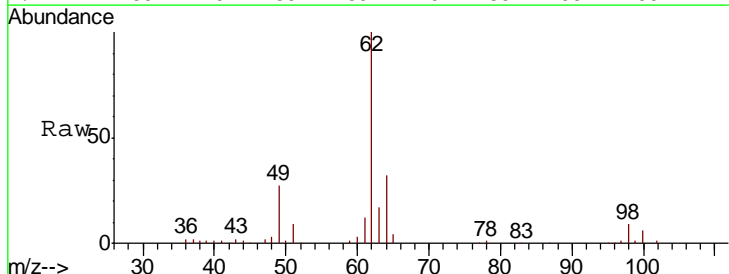
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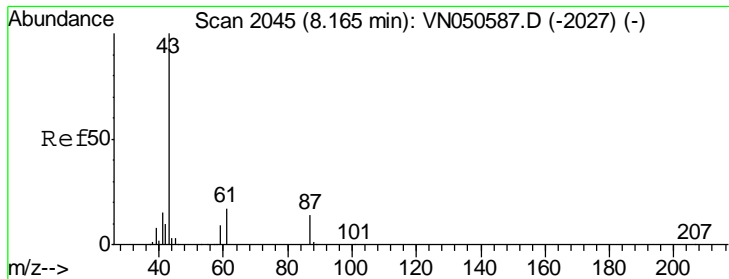
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#42
 1,2-Dichloroethane
 Concen: 19.56 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.3	0.0	19.4





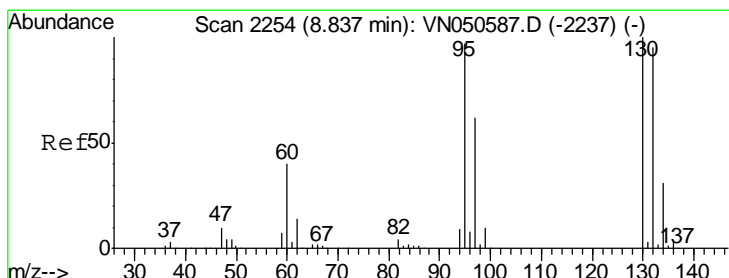
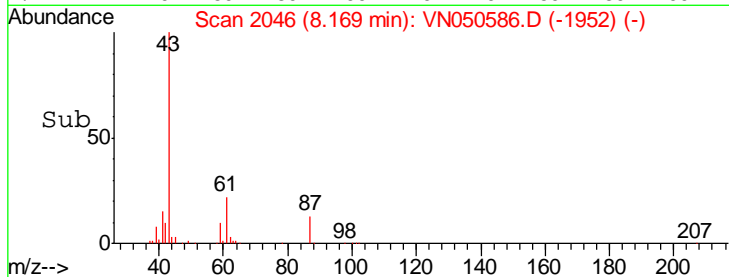
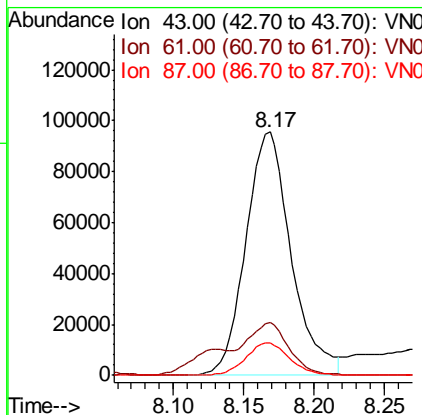
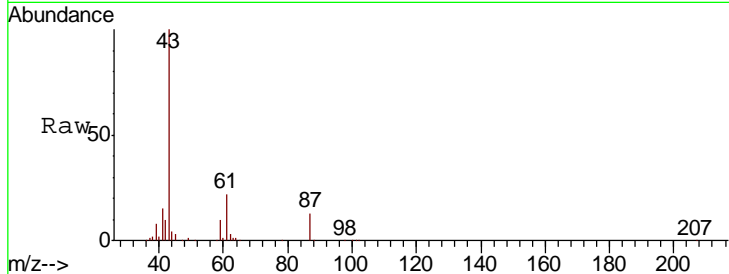
#43
 Isopropyl Acetate
 Concen: 17.39 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.7	16.2	24.2
87	13.0	10.9	16.3

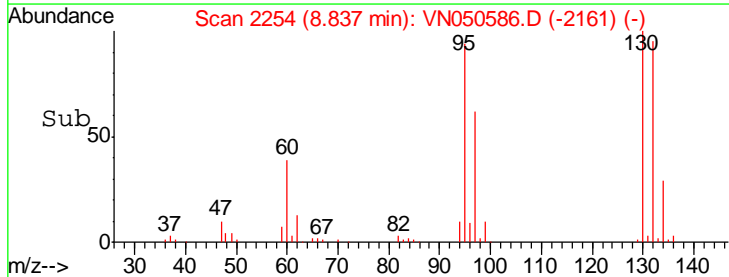
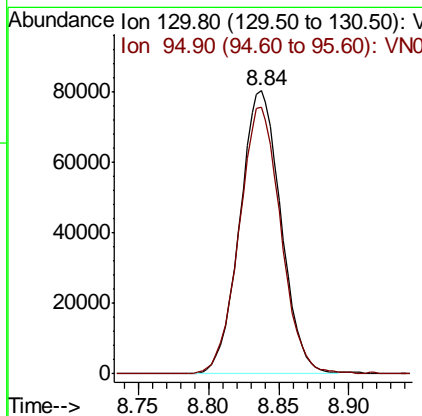
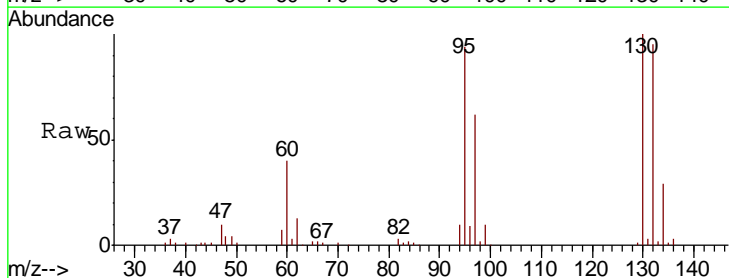
Manual Integrations
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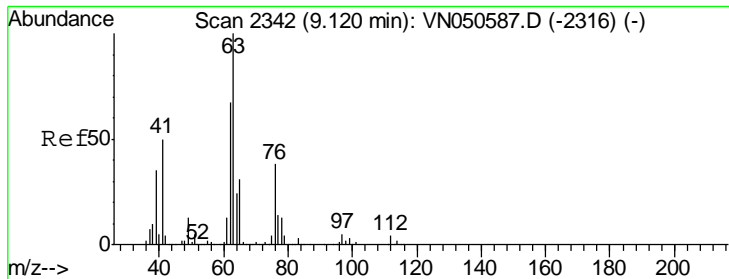
MMDadoda
 8/15/2018 3:21:04 PM



#44
 Trichloroethene
 Concen: 19.43 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
130	100		
95	94.4	0.0	193.8





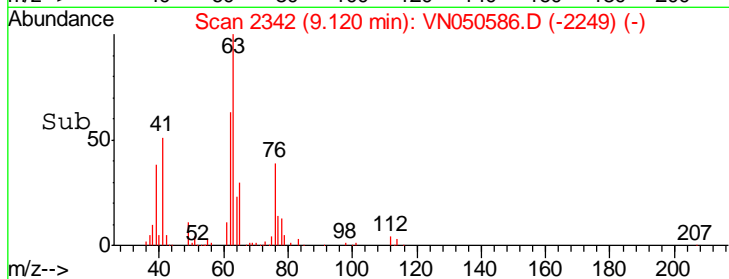
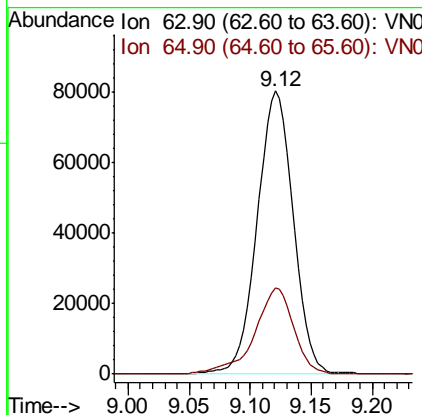
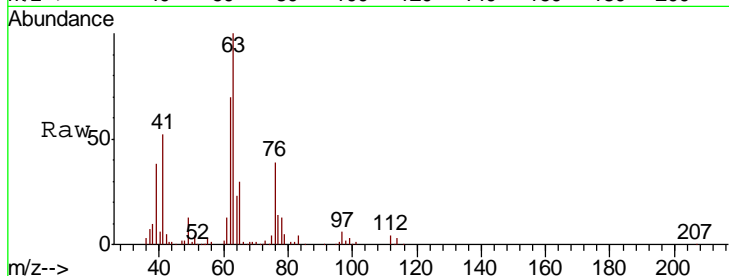
#45
 1,2-Dichloropropane
 Concen: 20.01 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
63	165100		
65	30.2	24.5	36.7

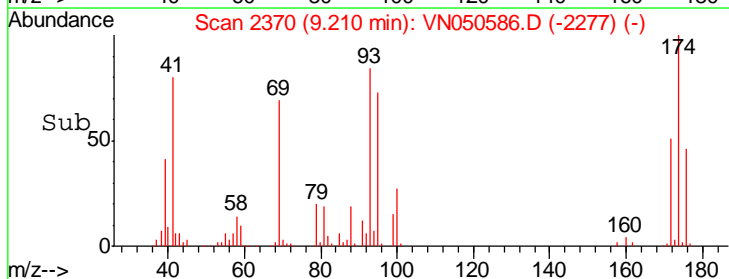
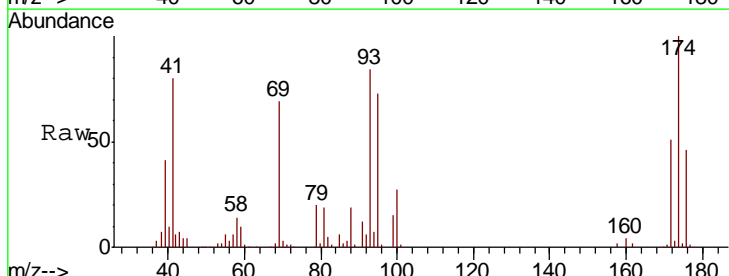
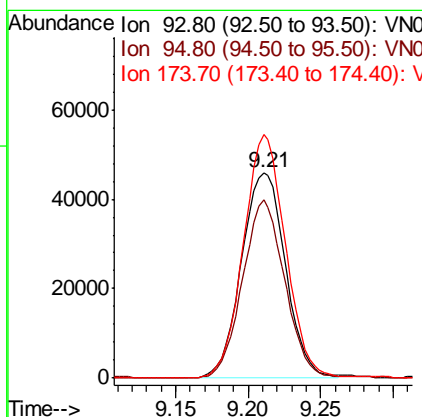
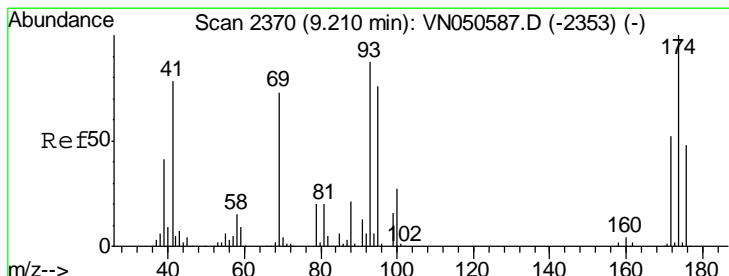
Manual Integrations
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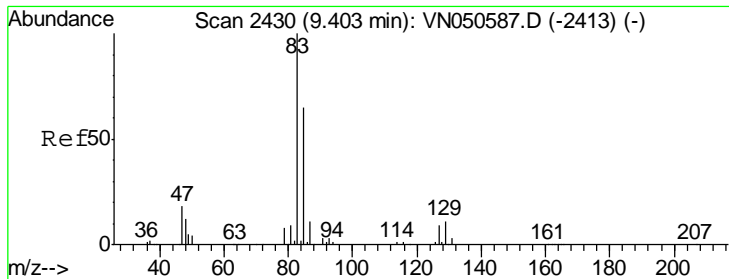
MMDadoda
 8/15/2018 3:21:04 PM



#46
 Dibromomethane
 Concen: 19.22 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
93	96860		
95	83.4	69.1	103.7
174	113.6	91.0	136.6





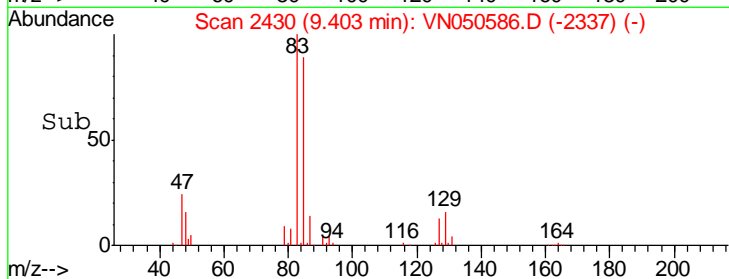
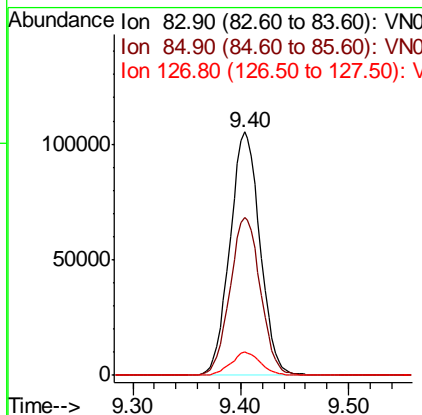
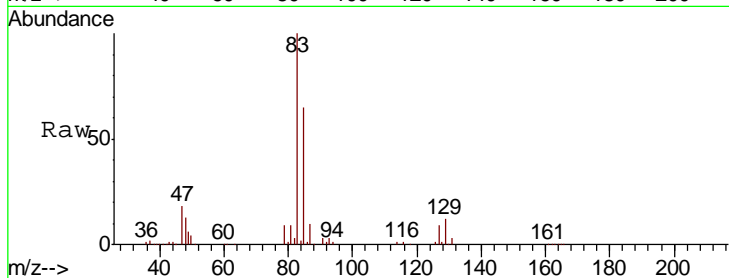
#47
 Bromodichloromethane
 Concen: 19.45 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	205060		
85	65.0	51.8	77.6
127	9.4	7.2	10.8

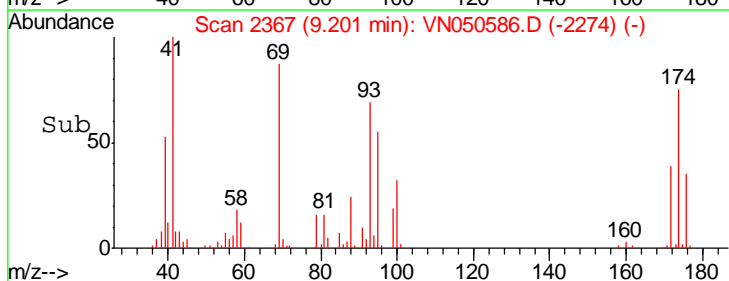
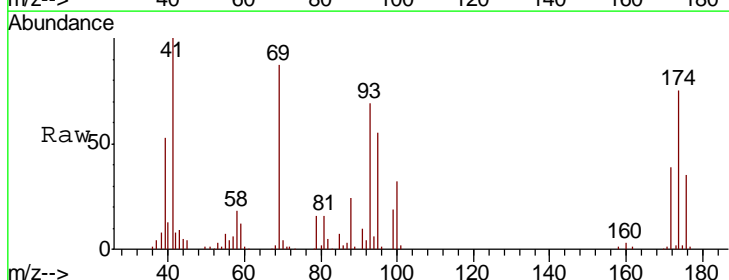
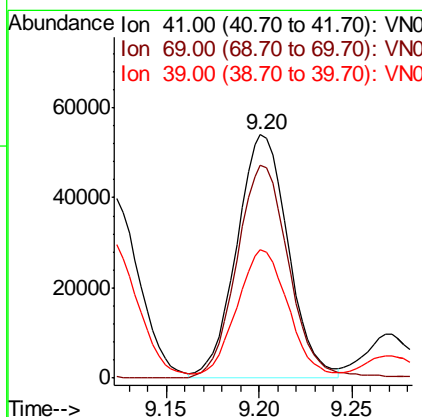
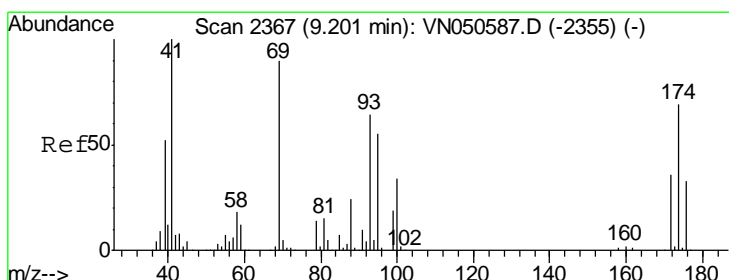
Manual Integrations
 APPROVED

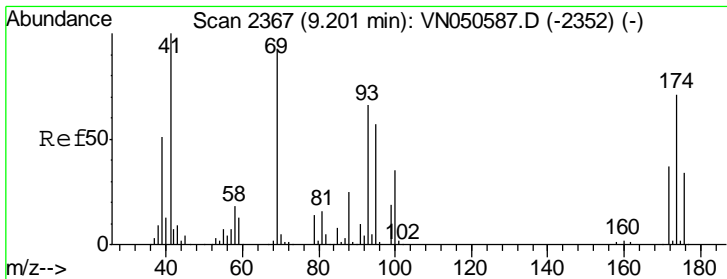
MMDadoda
 8/15/2018 3:21:04 PM



#48
 Methyl methacrylate
 Concen: 16.82 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
41	103404		
69	89.4	73.4	110.0
39	52.8	43.0	64.6





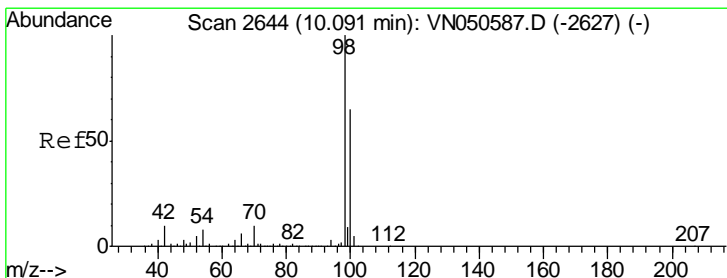
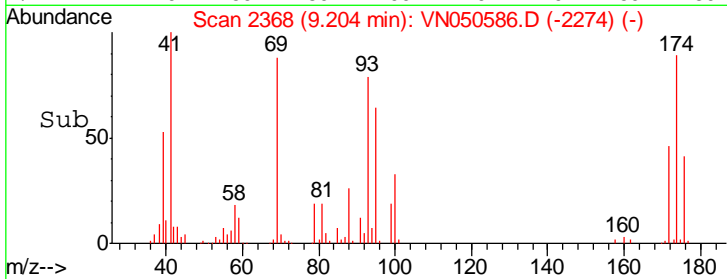
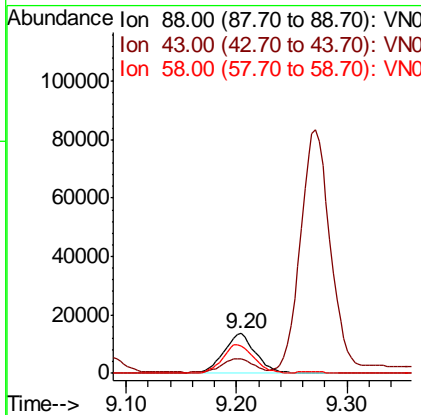
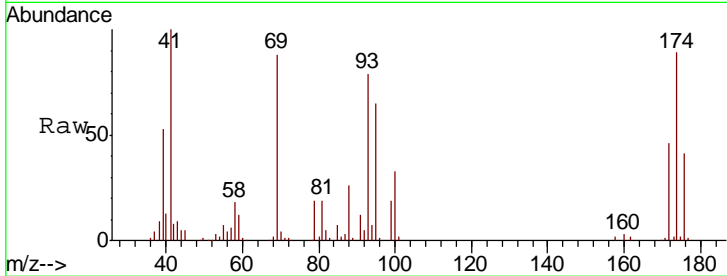
#49
 1,4-Dioxane
 Concen: 294.69 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
88	100		
43	33.9	25.9	38.9
58	70.4	56.5	84.7

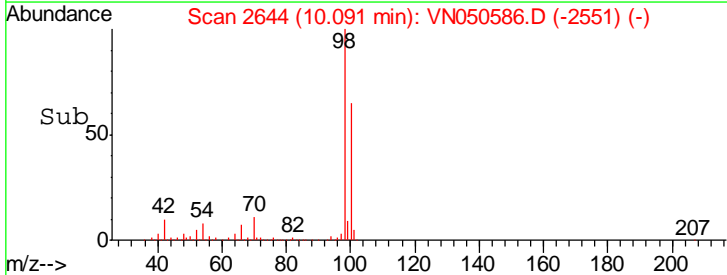
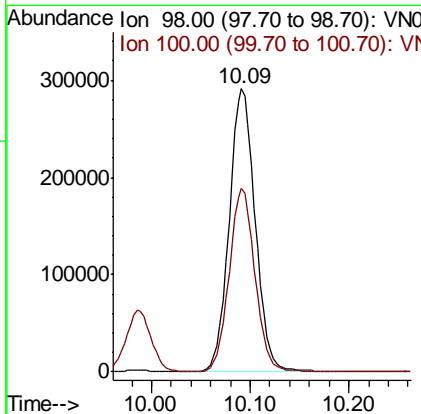
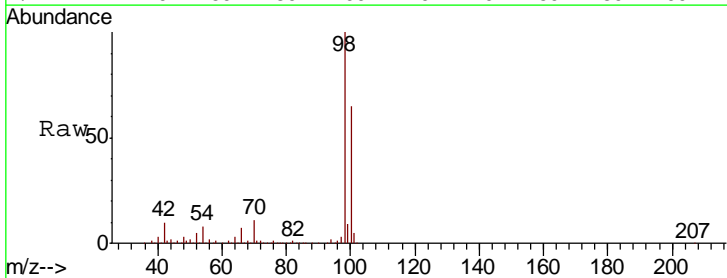
Manual Integrations
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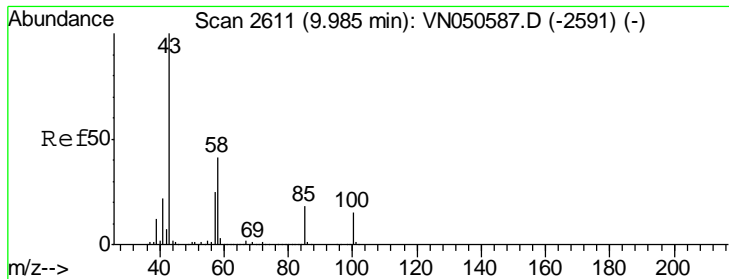
MMDadoda
 8/15/2018 3:21:04 PM



#50
 Toluene-d8
 Concen: 19.10 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
98	100		
100	64.1	51.8	77.8





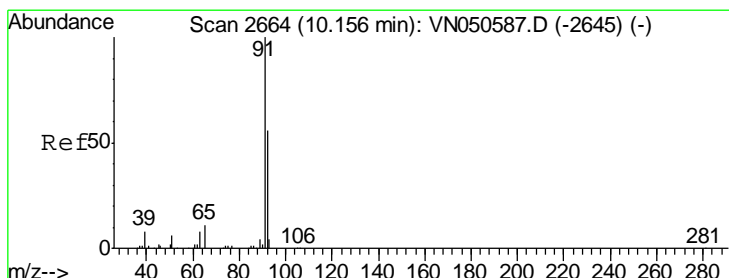
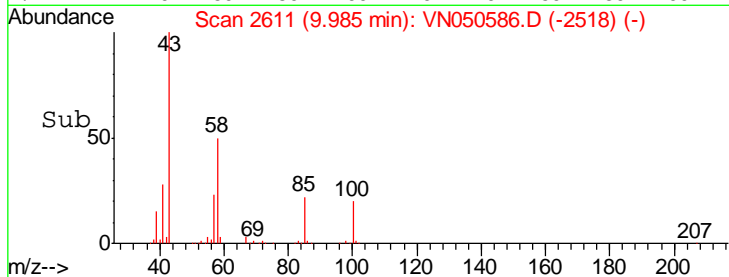
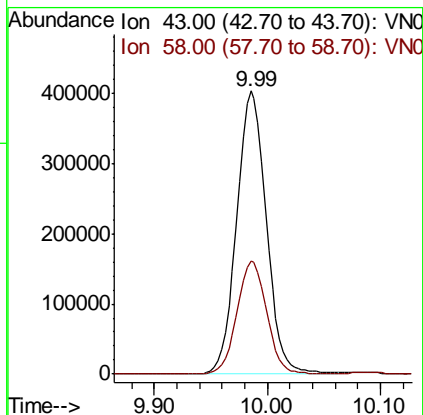
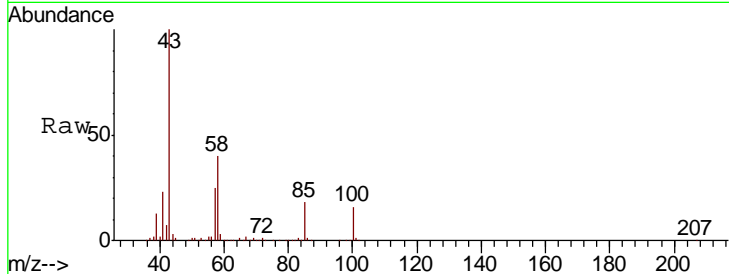
#51
 4-Methyl-2-Pentanone
 Concen: 83.68 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.5	48.7

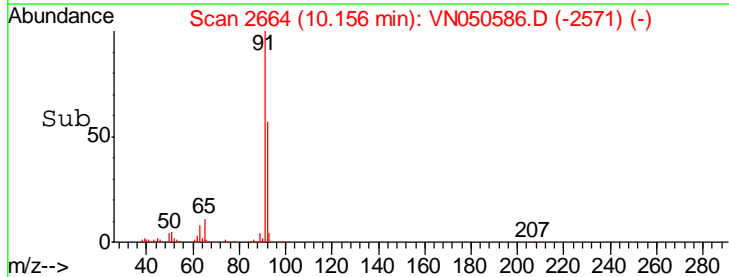
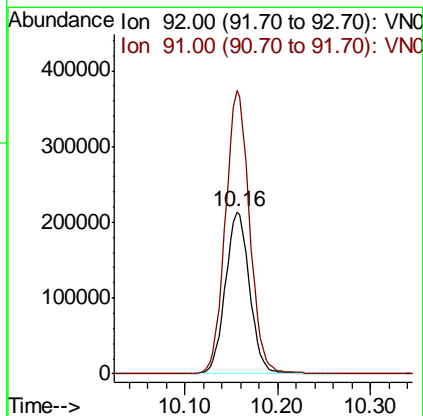
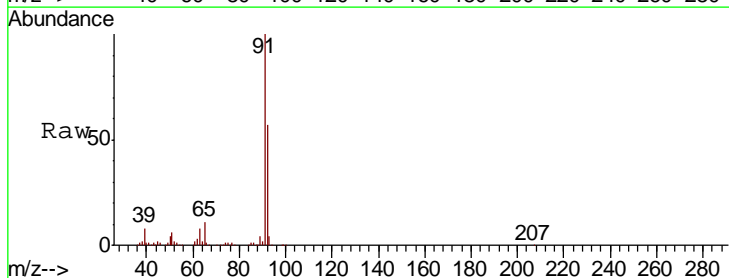
Manual Integrations
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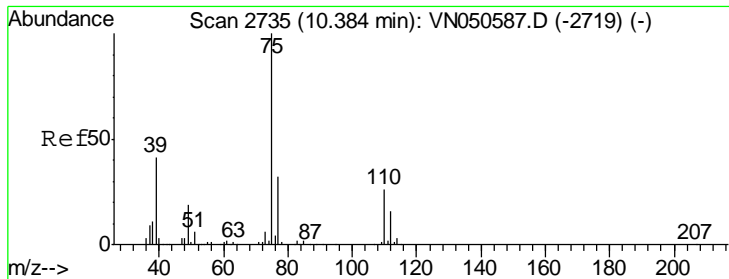
MMDadoda
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#52
 Toluene
 Concen: 20.55 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.1	141.9	212.9





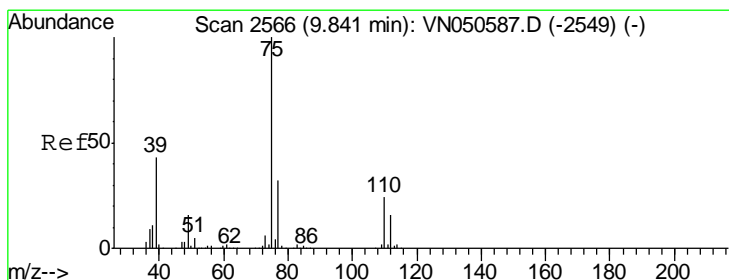
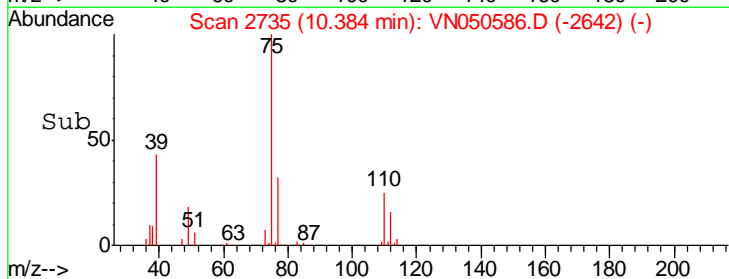
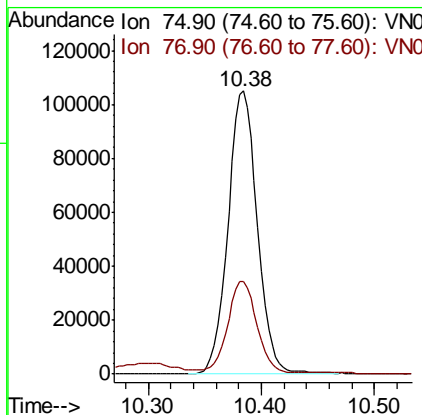
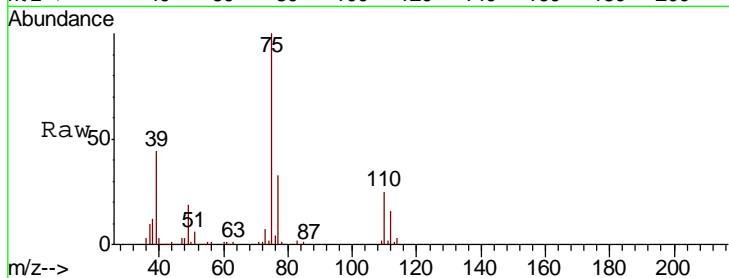
#53
 t-1,3-Dichloropropene
 Concen: 18.14 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	189801		
75	100		
77	32.2	25.8	38.6

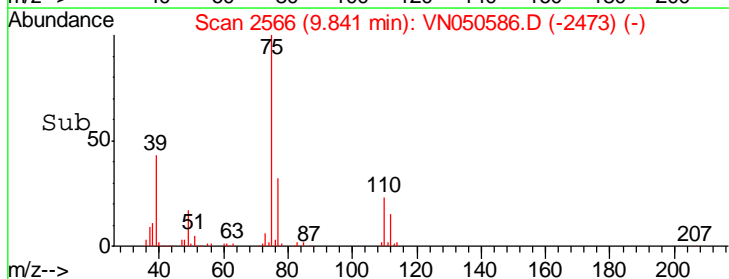
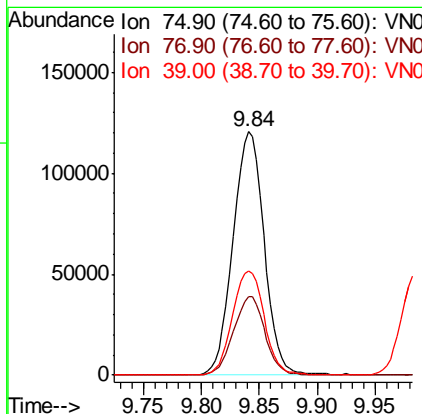
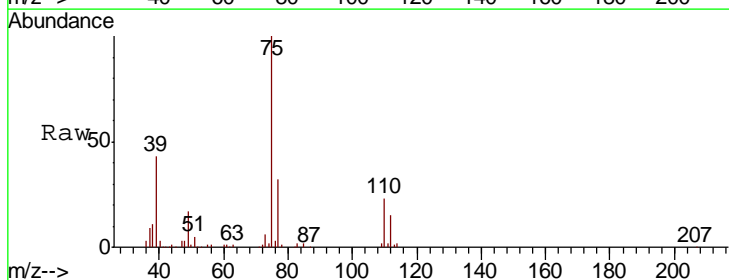
Manual Integrations
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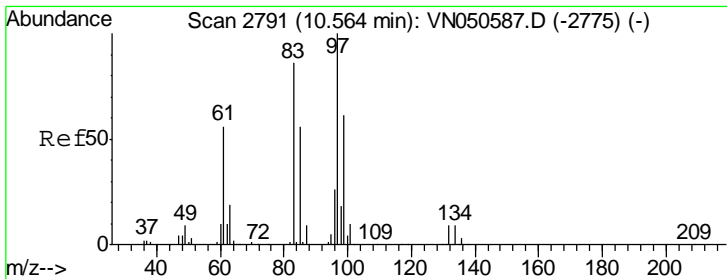
MMDadoda
 8/15/2018 3:21:04 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.11 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

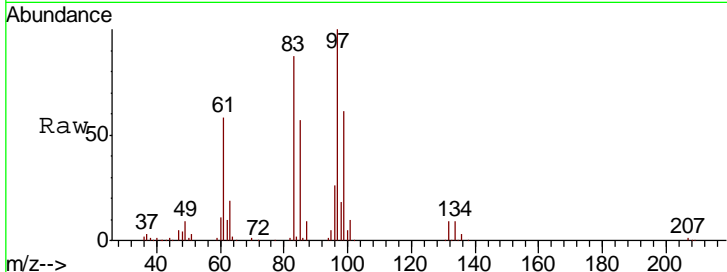
Tgt Ion	Resp	Lower	Upper
75	224381		
75	100		
77	32.3	25.6	38.4
39	42.5	34.4	51.6





#55
 1,1,2-Trichloroethane
 Concen: 19.01 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

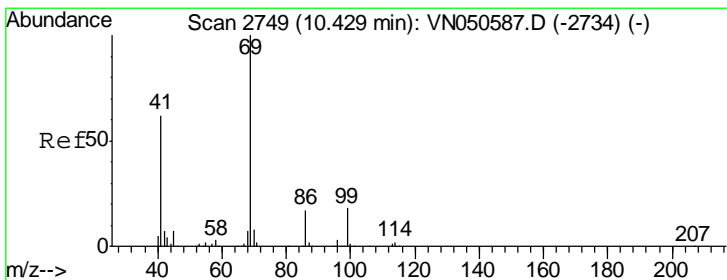
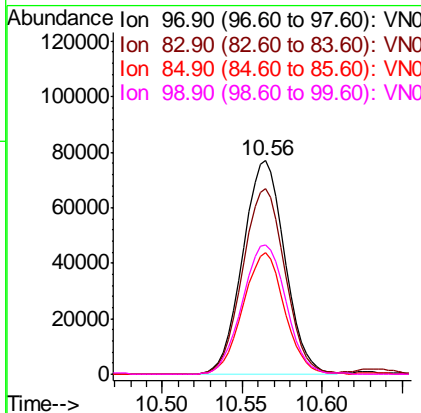
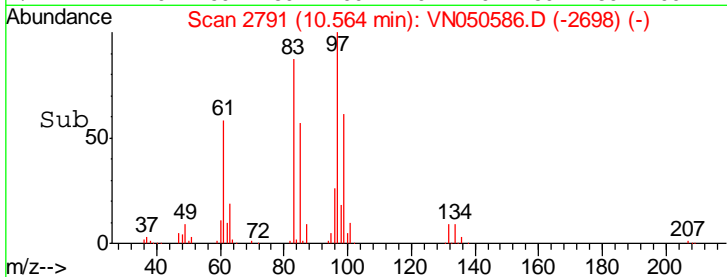
Instrument : MSVOA_N
 ClientSampled : VSTDIC020



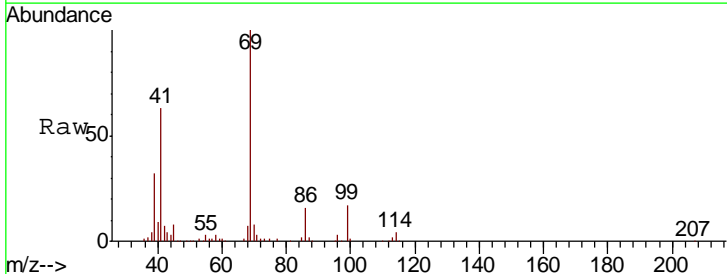
Tgt Ion: 97 Resp: 138518

Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.5	102.7
85	56.7	44.6	66.8
99	60.8	49.1	73.7

Manual Integrations
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 8/15/2018 3:21:04 PM

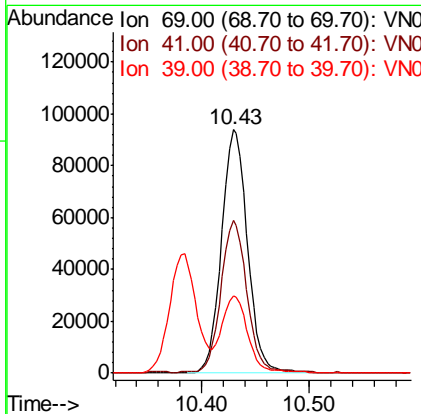
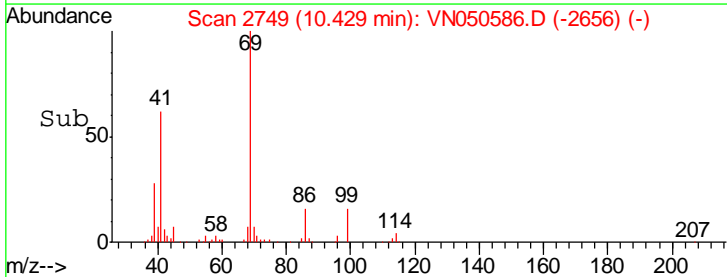


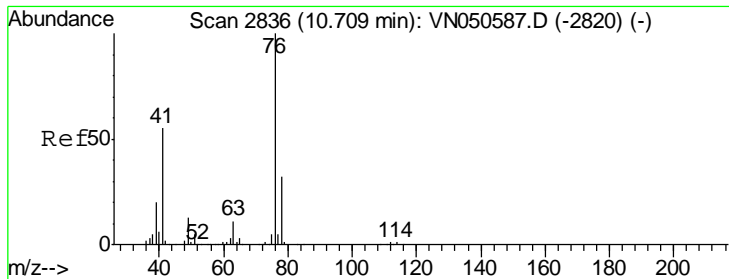
#56
 Ethyl methacrylate
 Concen: 17.41 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35



Tgt Ion: 69 Resp: 157945

Ion	Ratio	Lower	Upper
69	100		
41	61.6	49.7	74.5
39	30.0	24.2	36.2





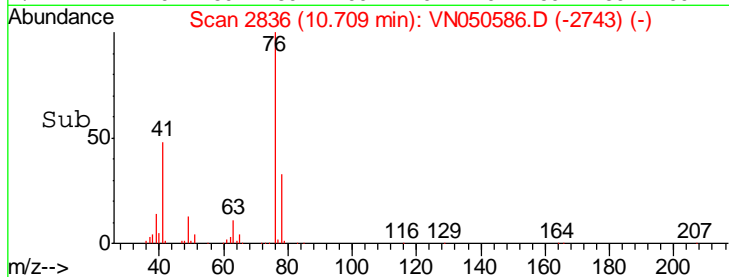
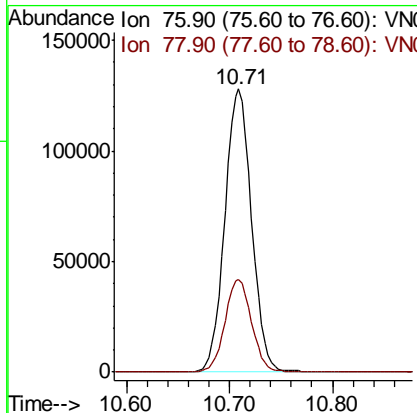
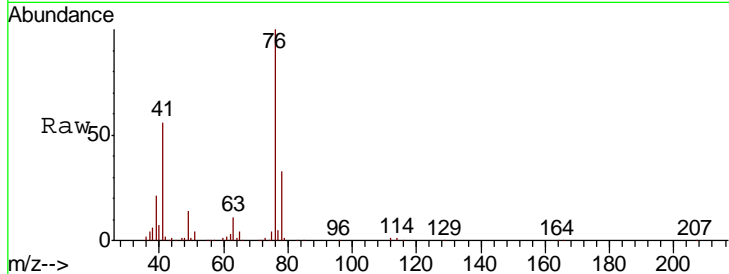
#57
 1,3-Dichloropropane
 Concen: 19.32 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	231341		
76	100		
78	32.7	25.8	38.6

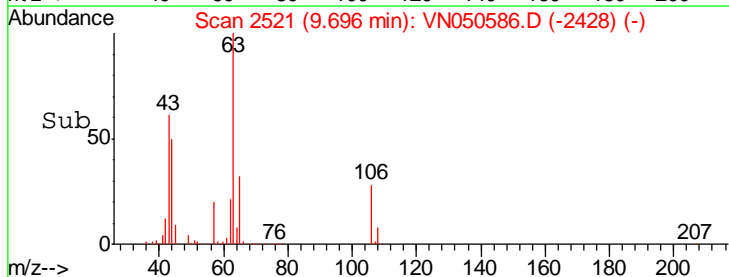
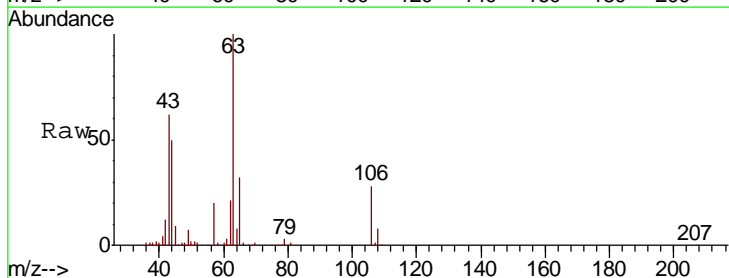
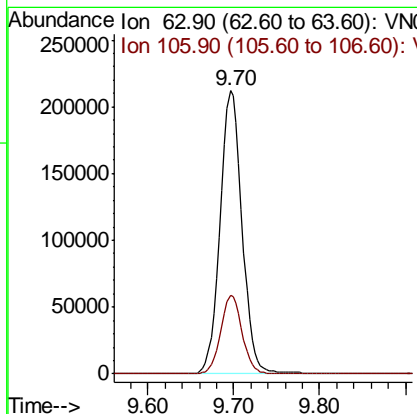
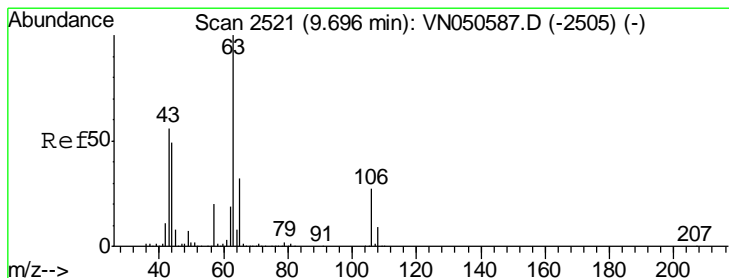
Manual Integrations
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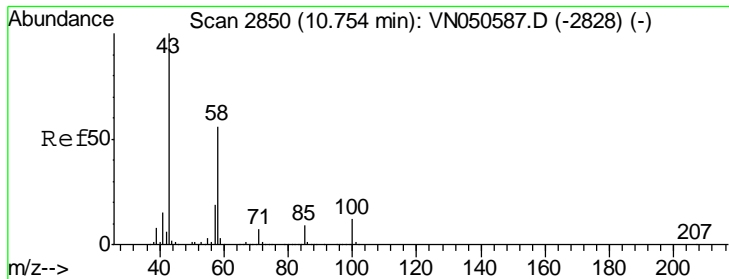
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#58
 2-Chloroethyl Vinyl ether
 Concen: 88.98 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
63	377032		
63	100		
106	27.2	21.7	32.5





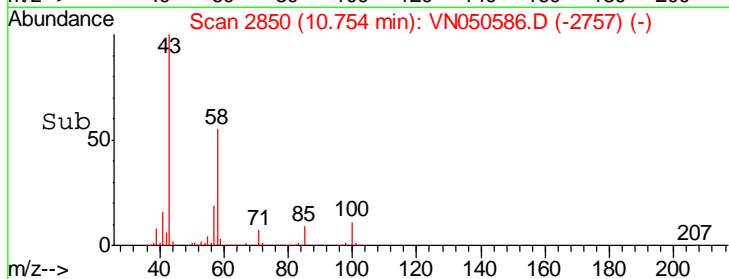
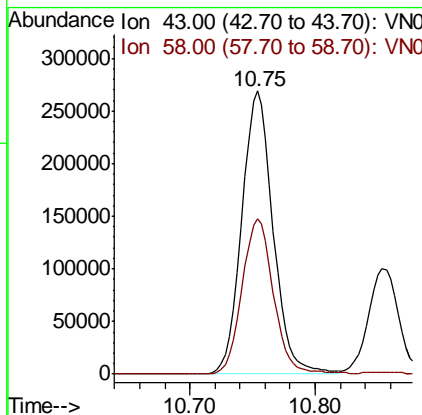
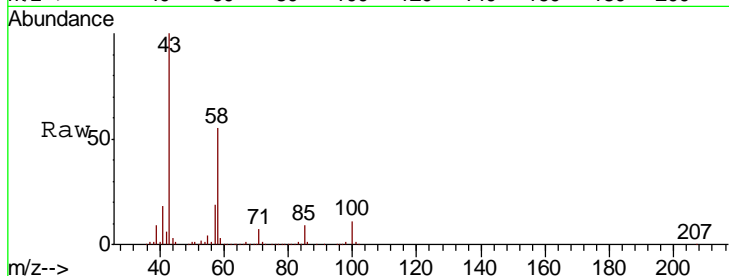
#59
 2-Hexanone
 Concen: 76.46 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.4	28.0	84.0

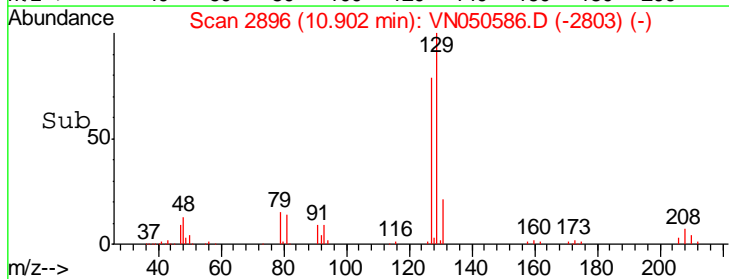
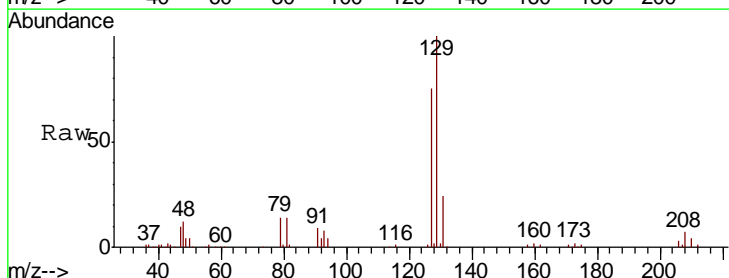
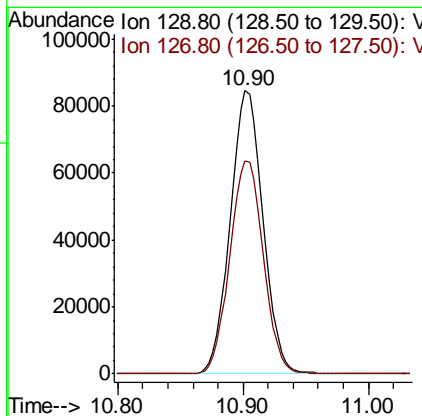
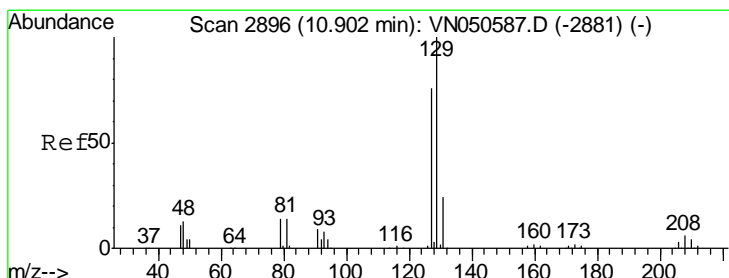
Manual Integrations
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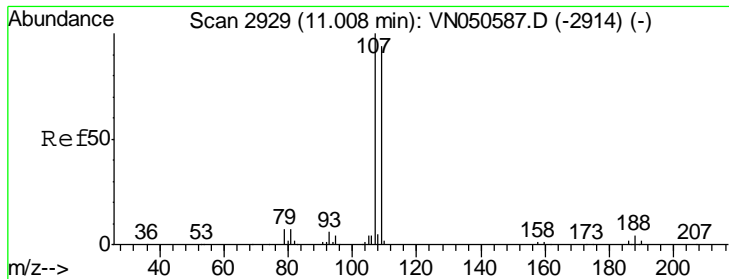
MMDadoda
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#60
 Dibromochloromethane
 Concen: 19.08 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.0	38.9	116.7





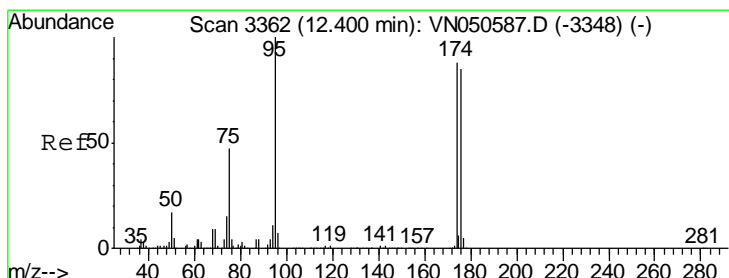
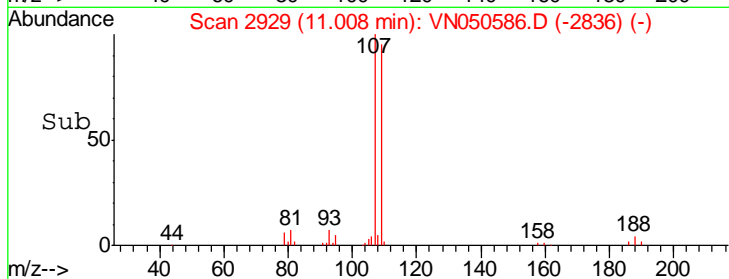
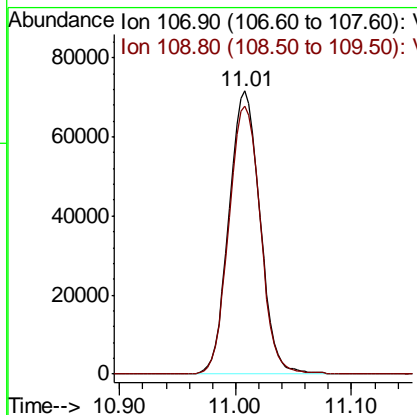
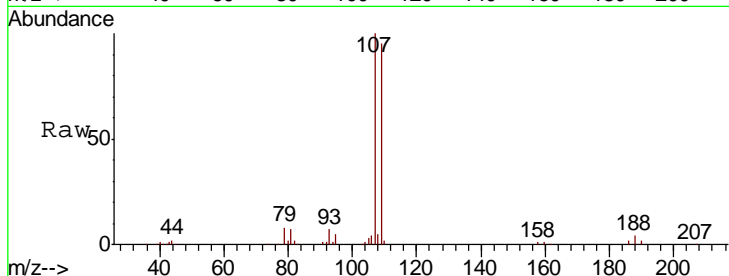
#61
 1,2-Dibromoethane
 Concen: 18.53 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
107	132556		
107	100		
109	95.9	75.7	113.5

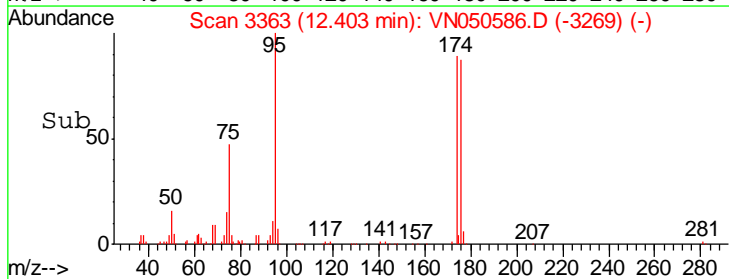
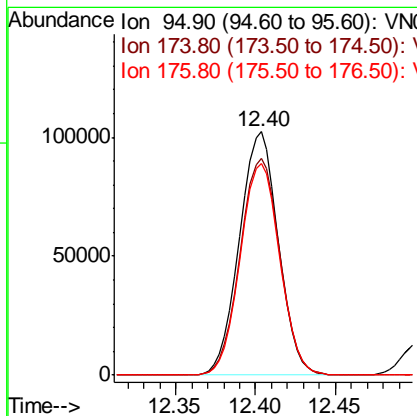
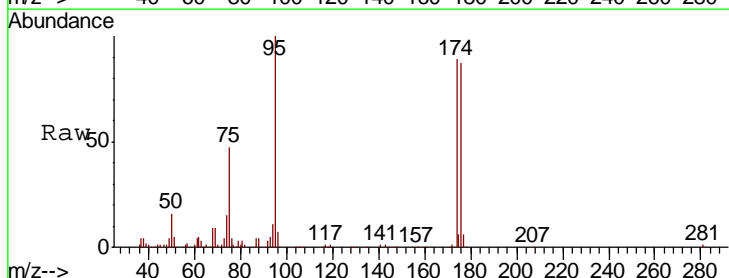
Manual Integrations
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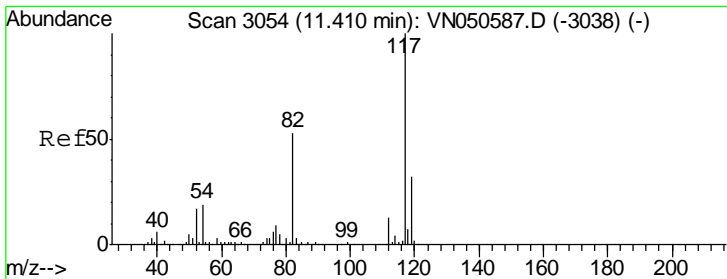
MMDadoda
 8/15/2018 3:21:04 PM



#62
 4-Bromofluorobenzene
 Concen: 17.80 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
95	169483		
95	100		
174	90.9	0.0	177.8
176	88.5	0.0	175.0





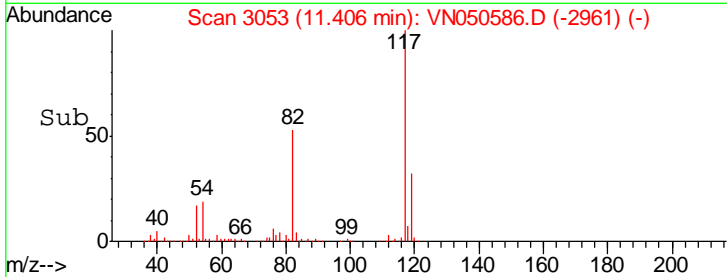
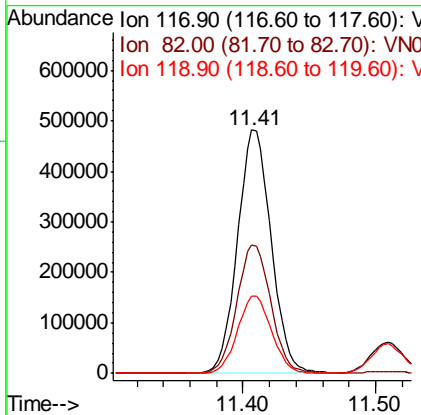
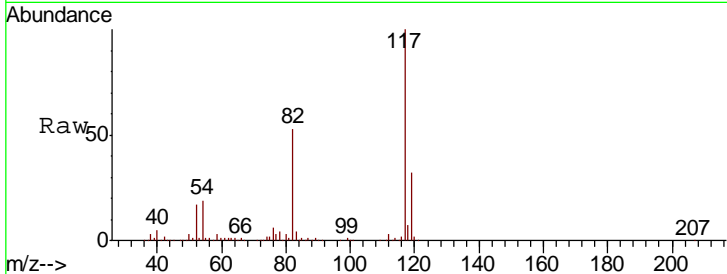
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
117	100		
82	53.0	42.4	63.6
119	31.8	25.8	38.8

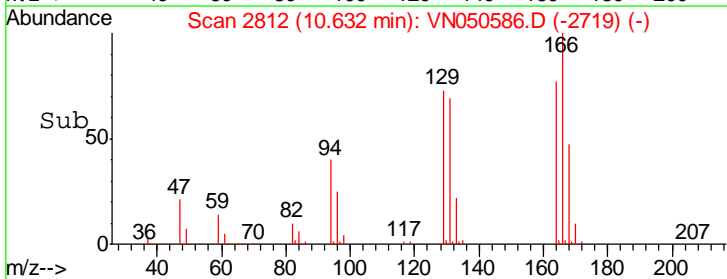
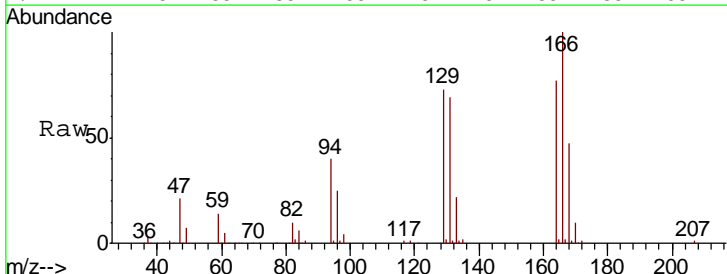
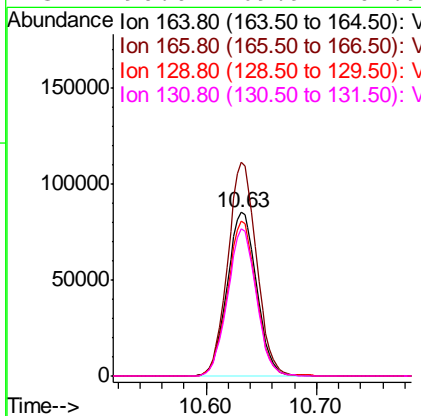
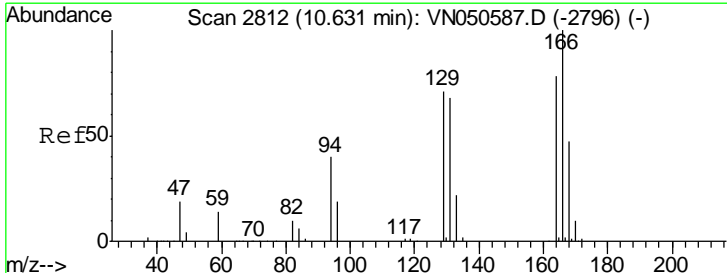
Manual Integrations
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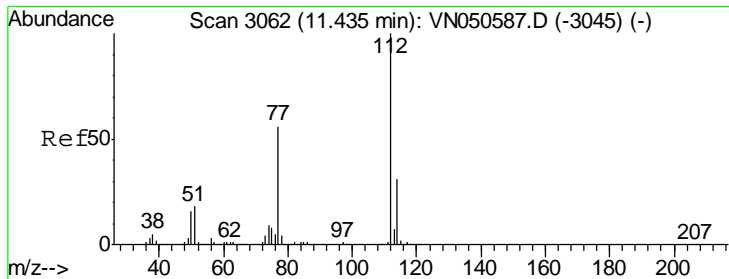
MMDadoda
 8/15/2018 3:21:04 PM



#64
 Tetrachloroethene
 Concen: 20.00 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
164	100		
166	130.4	102.1	153.1
129	94.6	72.7	109.1
131	90.0	69.9	104.9





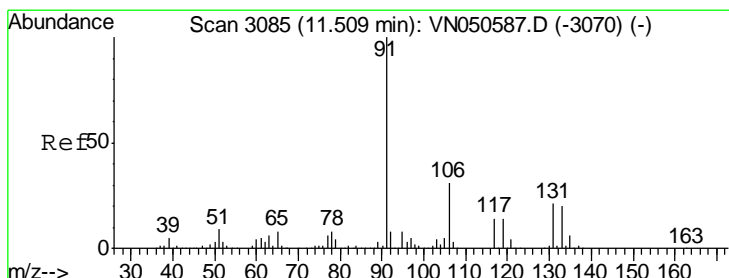
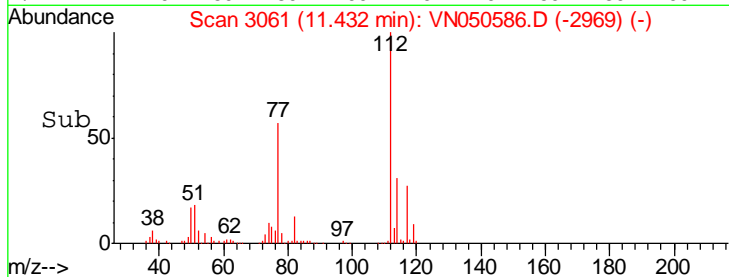
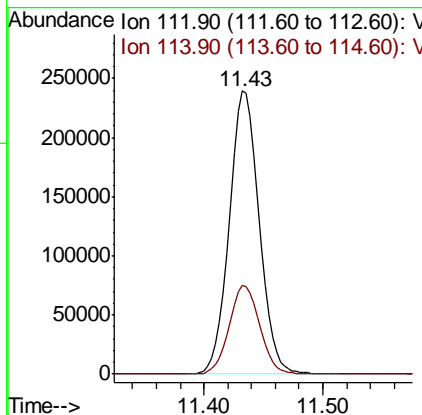
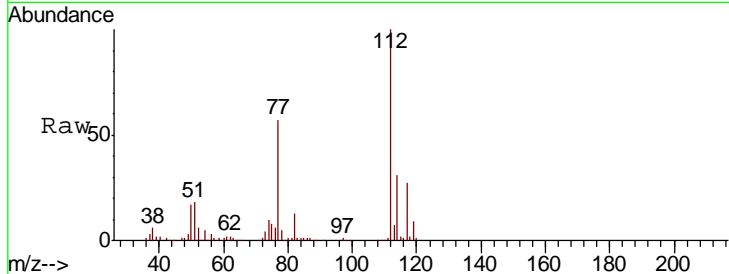
#65
 Chlorobenzene
 Concen: 19.55 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
112	416943		
114	31.3	25.2	37.8

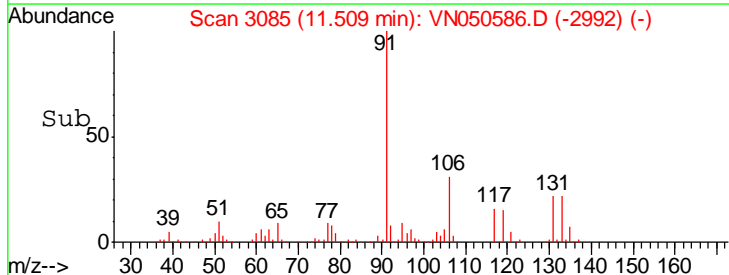
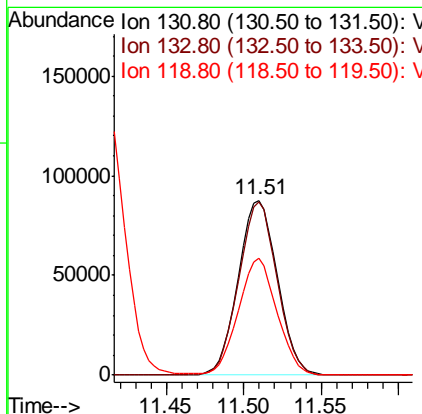
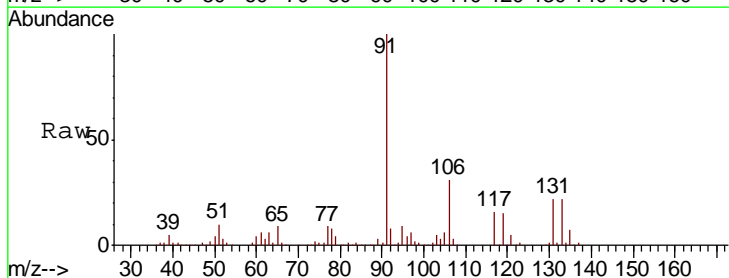
Manual Integrations
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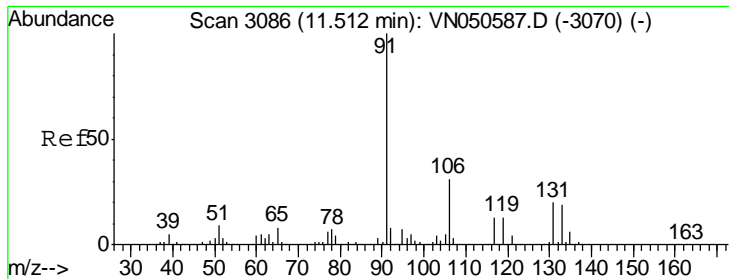
MMDadoda
 8/15/2018 3:21:04 PM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.86 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
131	154568		
133	97.0	47.6	142.9
119	65.8	33.1	99.3





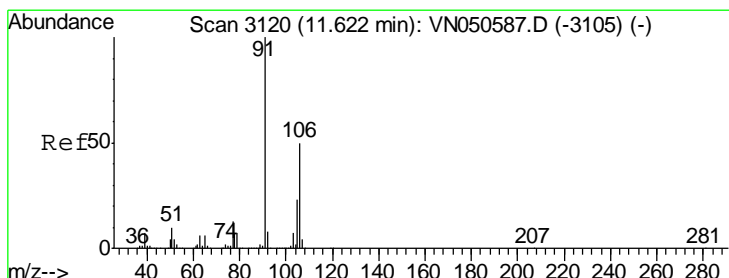
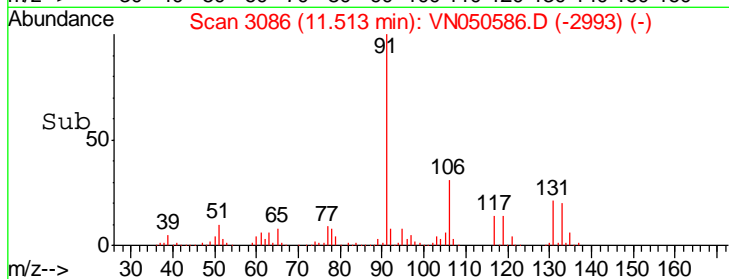
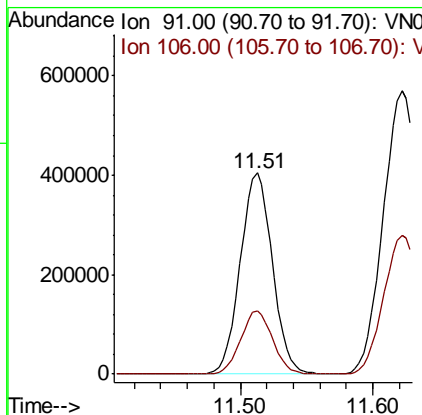
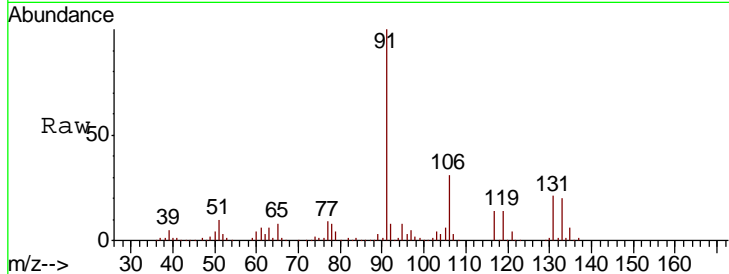
#67
Ethyl Benzene
Concen: 19.79 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 91 Resp: 682406
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

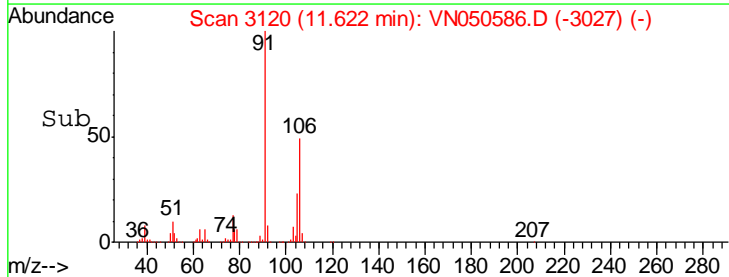
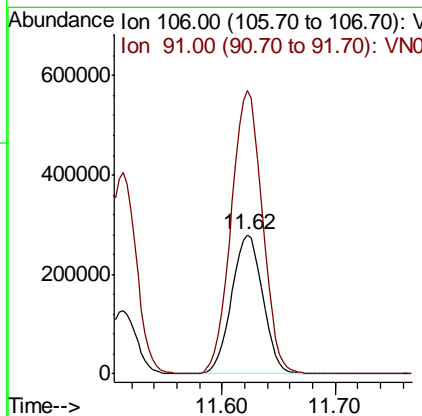
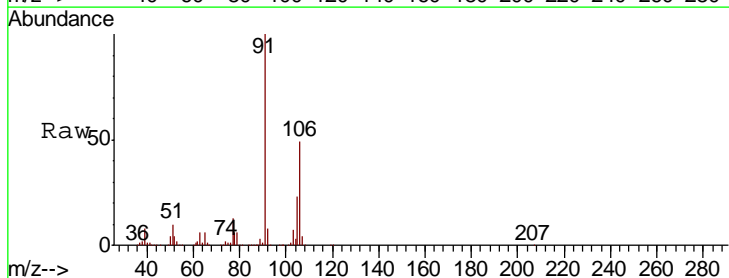
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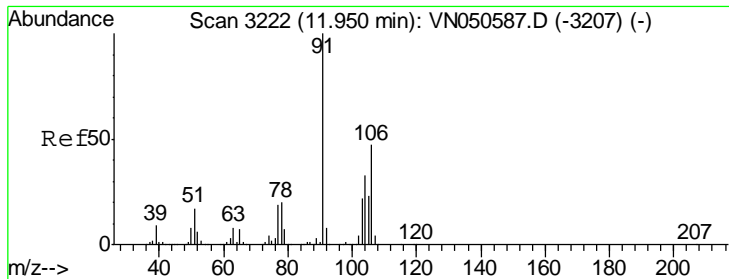
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#68
m/p-Xylenes
Concen: 40.98 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 106 Resp: 538449
Ion Ratio Lower Upper
106 100
91 203.2 161.5 242.3





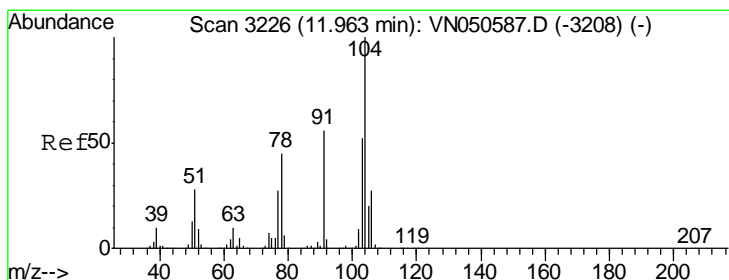
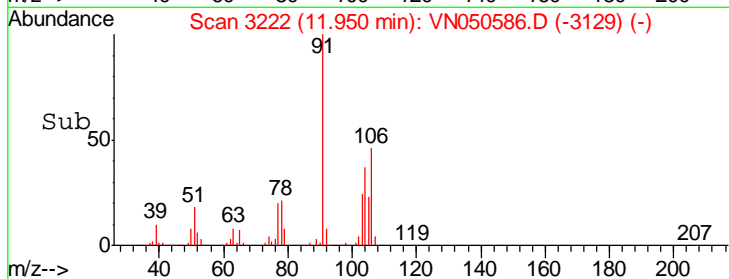
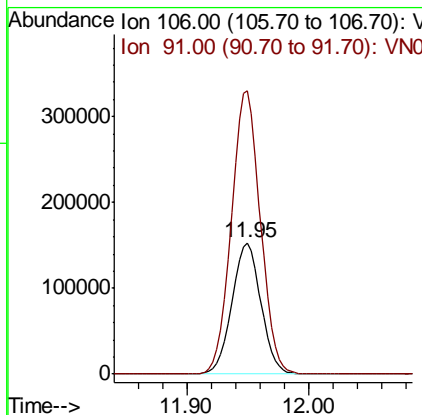
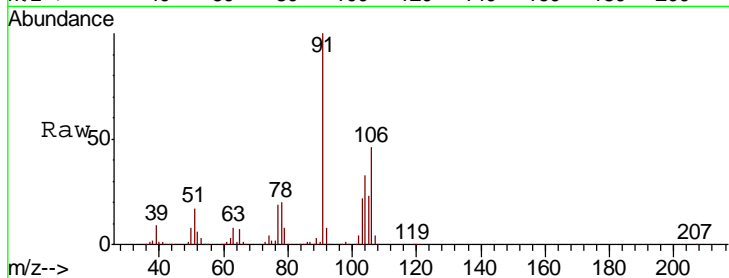
#69
 o-Xylene
 Concen: 19.97 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
106	252233		
106	100		
91	216.5	106.8	320.4

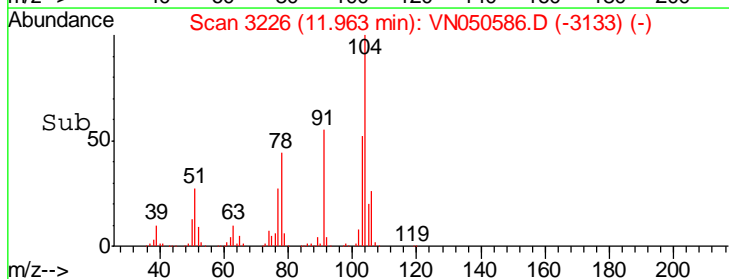
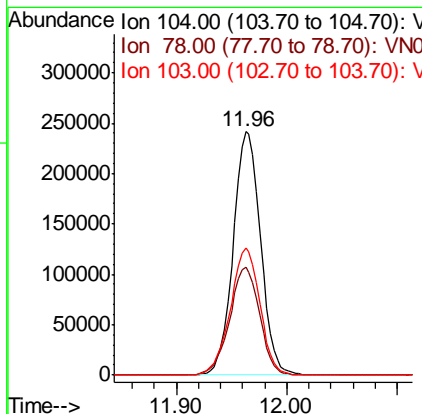
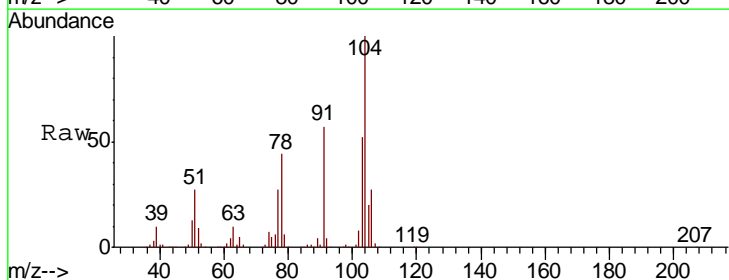
Manual Integrations
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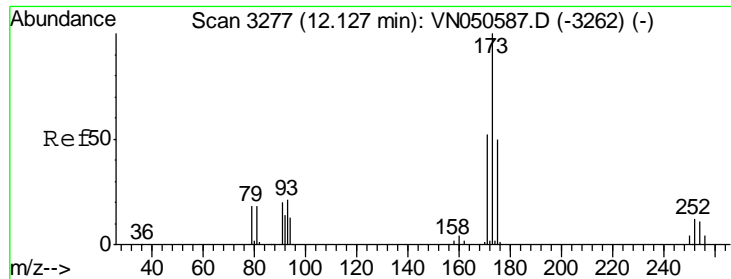
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 8/15/2018 3:21:04 PM



#70
 Styrene
 Concen: 20.29 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
104	415736		
104	100		
78	48.5	39.1	58.7
103	56.3	44.9	67.3





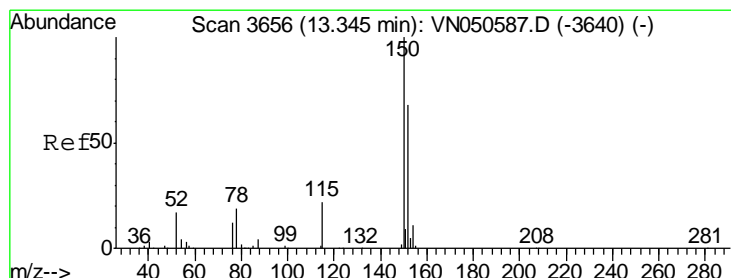
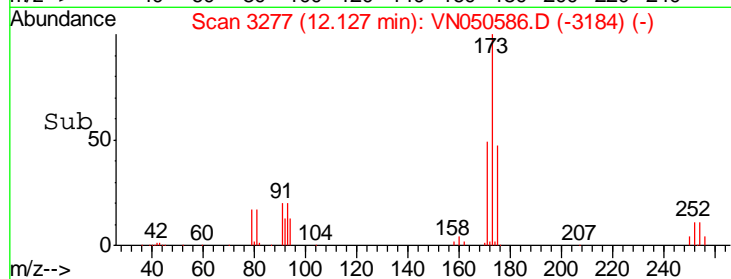
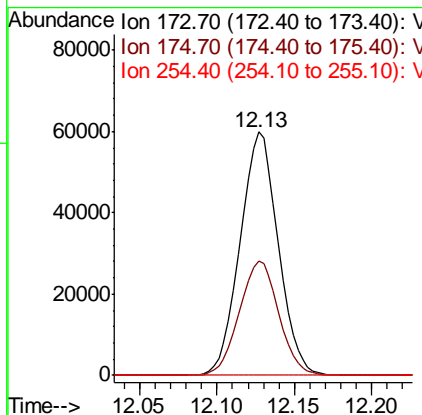
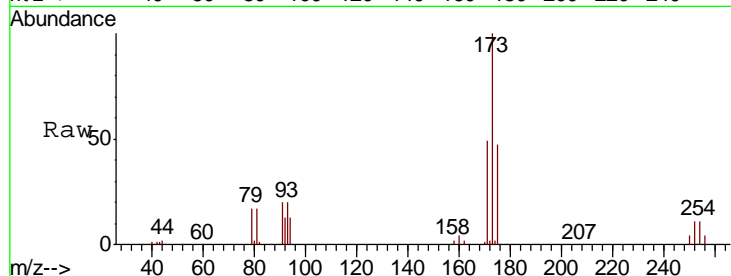
#71
 Bromoform
 Concen: 18.38 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
173	102623		
175	48.5	24.4	73.2
254	0.0	0.0	0.0

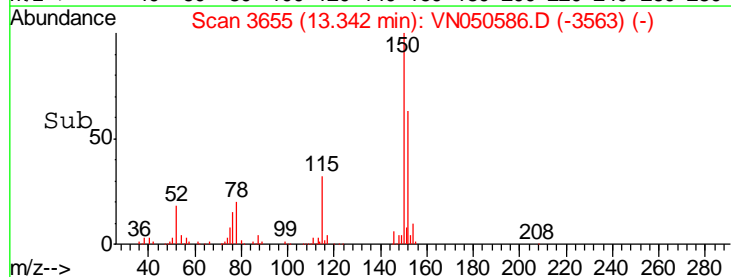
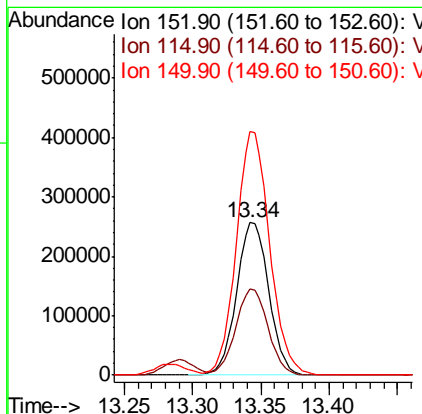
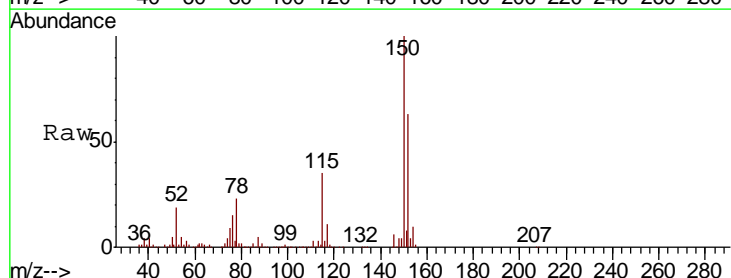
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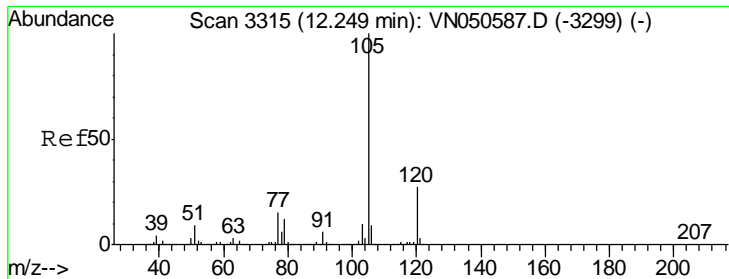
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
152	419908		
115	56.7	28.1	84.2
150	165.7	0.0	347.8





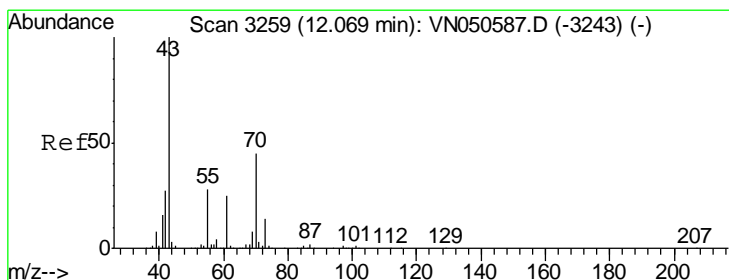
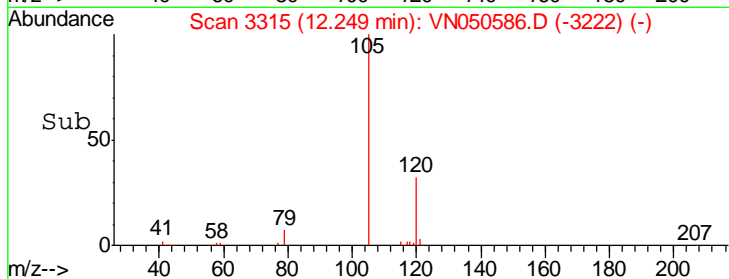
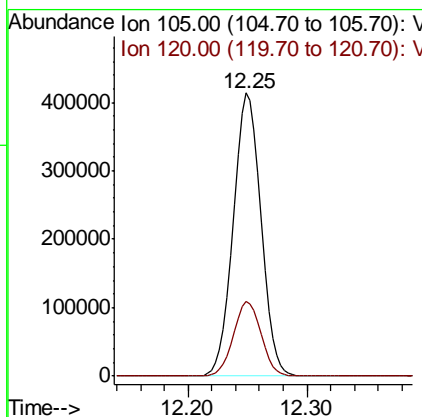
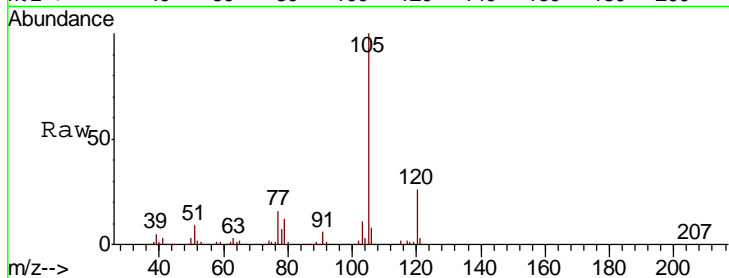
#73
 Isopropylbenzene
 Concen: 21.02 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.3	13.4	40.1

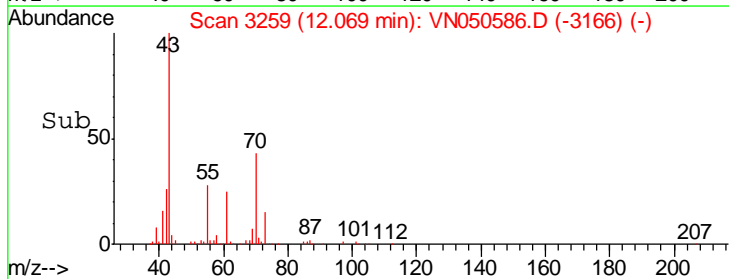
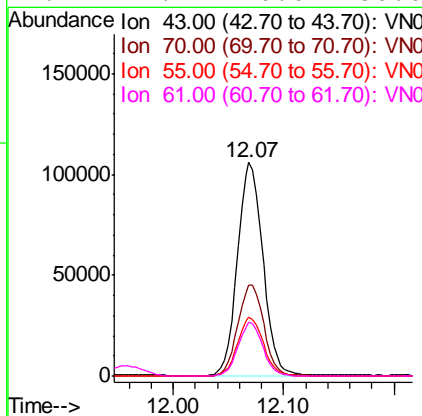
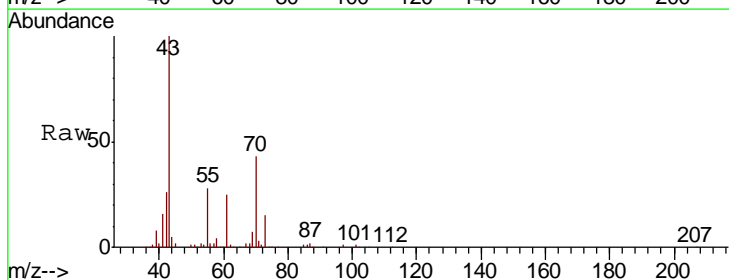
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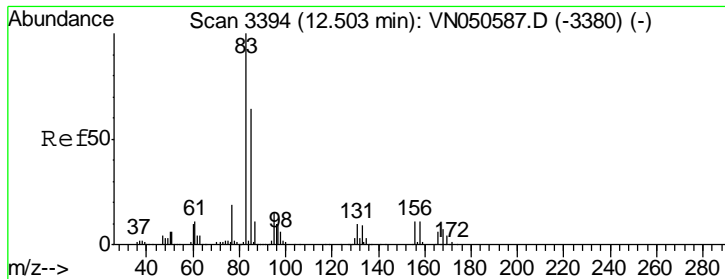
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 8/15/2018 3:21:04 PM



#74
 N-amyl acetate
 Concen: 17.11 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
43	100		
70	43.9	35.9	53.9
55	27.8	22.2	33.4
61	24.2	20.0	30.0





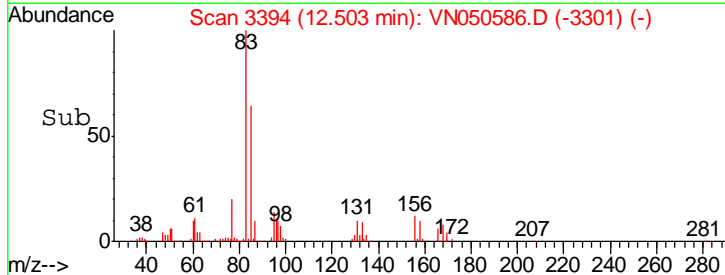
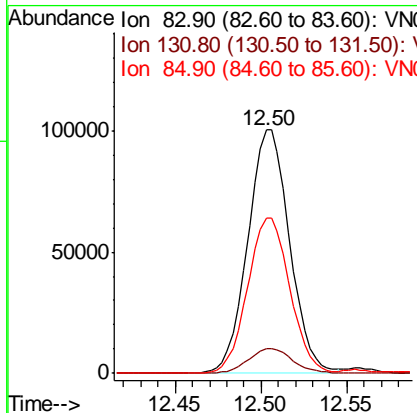
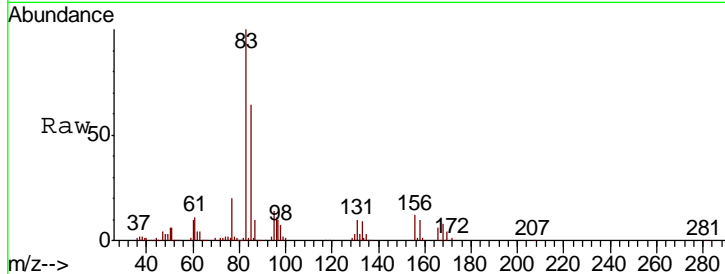
#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.86 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	169019		
131	10.7	5.3	15.9
85	64.5	32.1	96.5

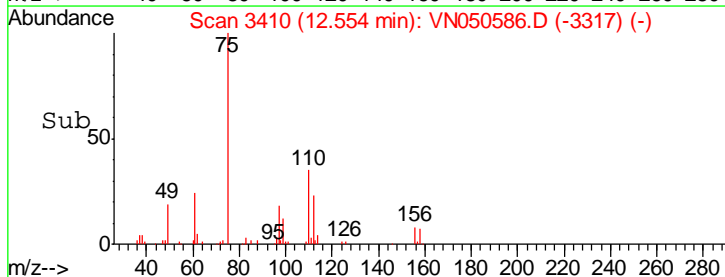
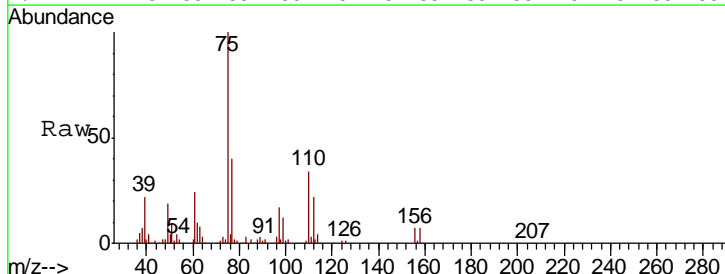
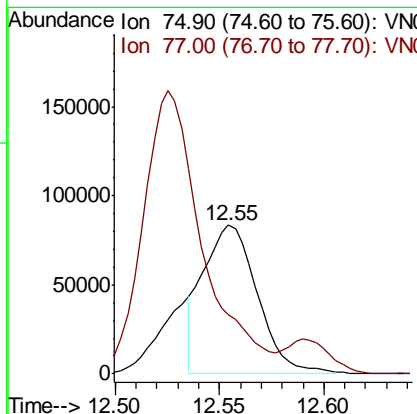
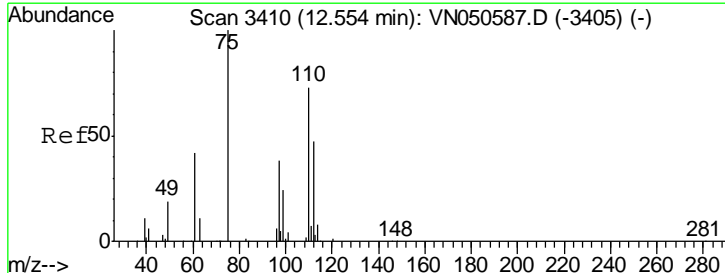
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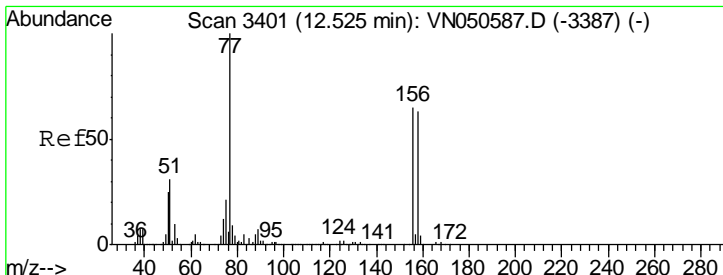
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#76
 1,2,3-Trichloropropane
 Concen: 19.89 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
75	150927		
77	0.0	0.0	0.0





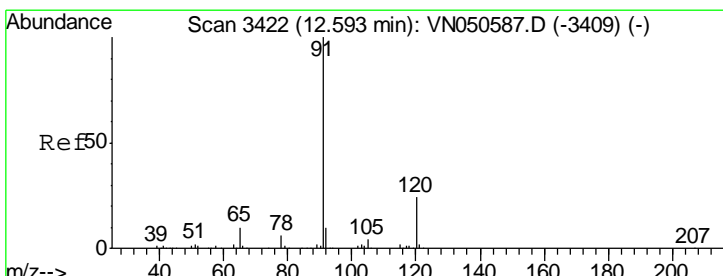
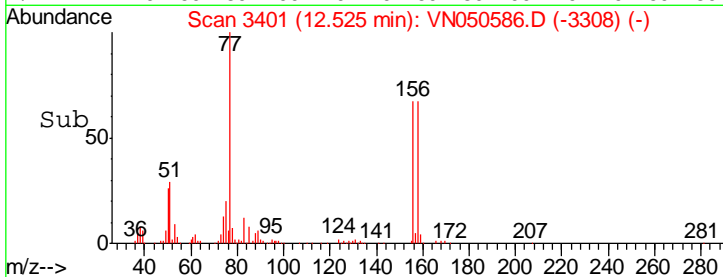
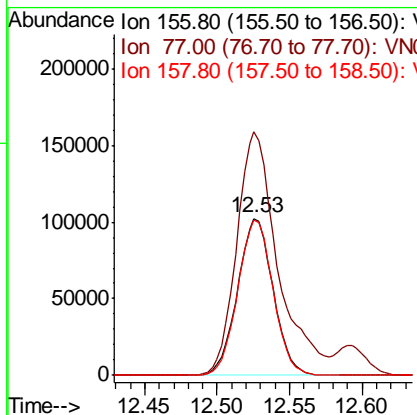
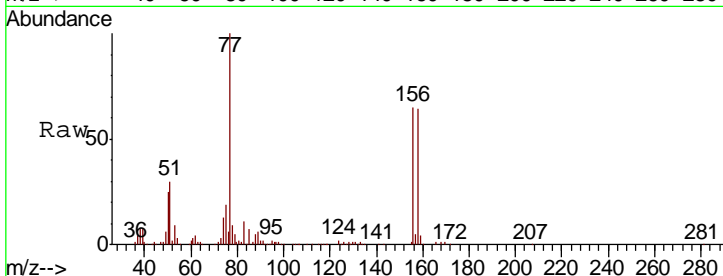
#77
 Bromobenzene
 Concen: 20.45 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
156	173694		
77	180.9	89.0	267.1
158	98.6	48.5	145.6

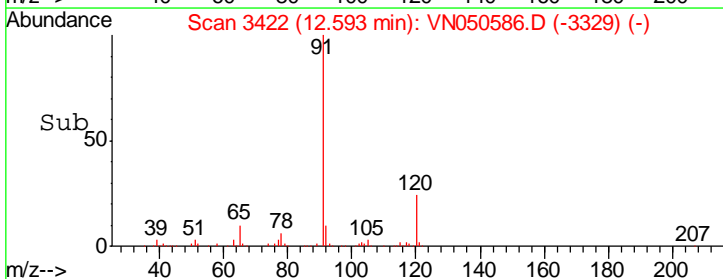
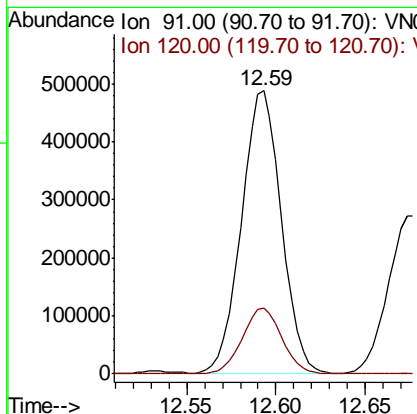
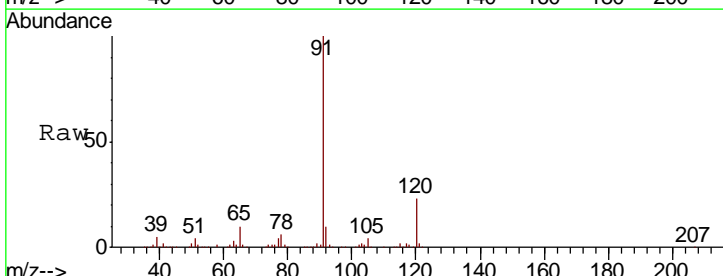
Manual Integrations
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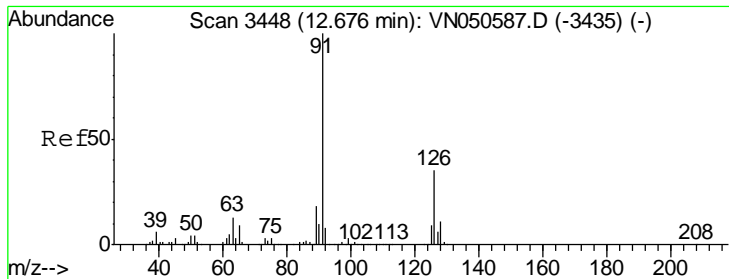
MMDadoda
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#78
 n-propylbenzene
 Concen: 21.07 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
91	756549		
120	23.2	11.8	35.4





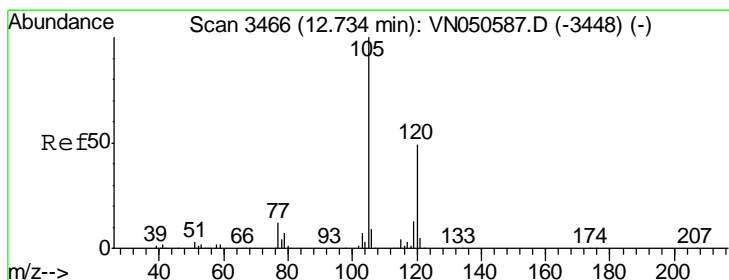
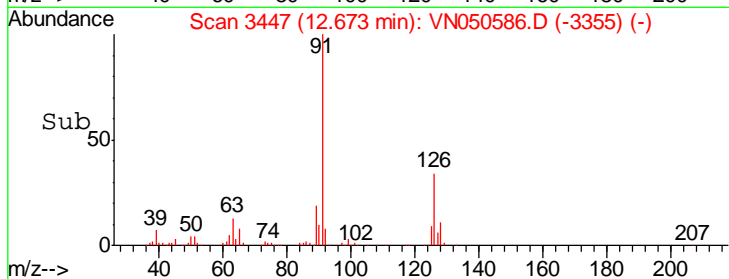
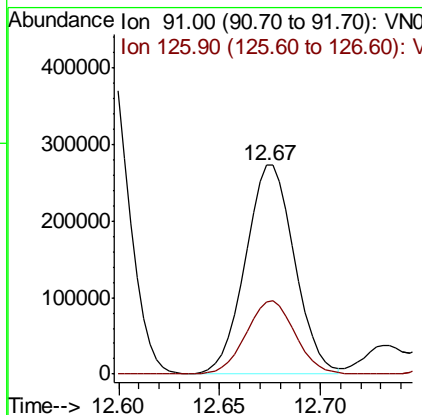
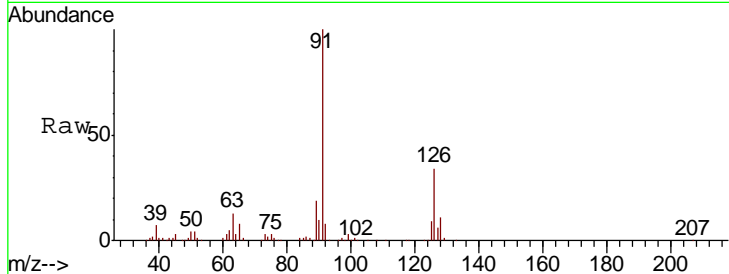
#79
 2-Chlorotoluene
 Concen: 20.81 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.2	17.6	52.8

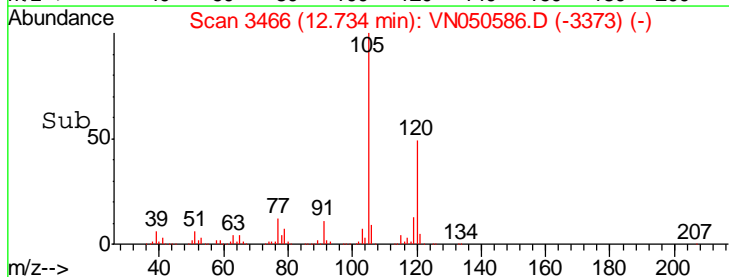
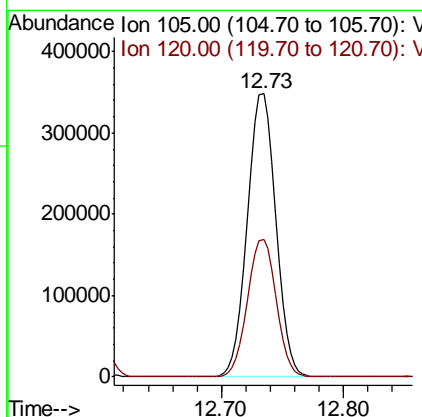
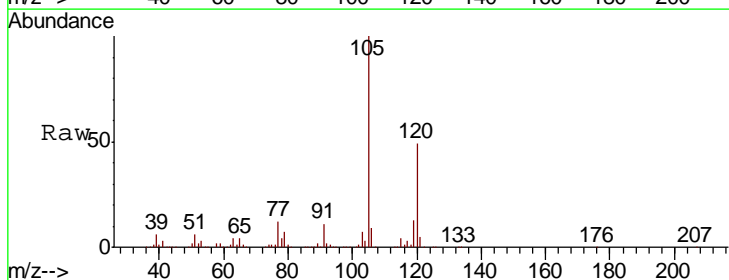
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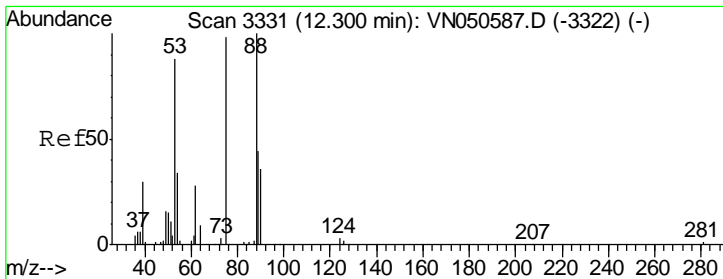
MMDadoda
 8/15/2018 3:21:04 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.64 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.1	24.7	74.1





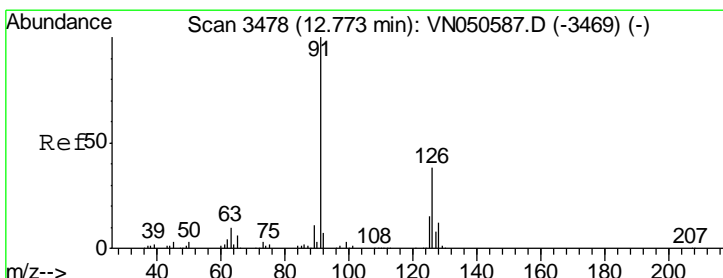
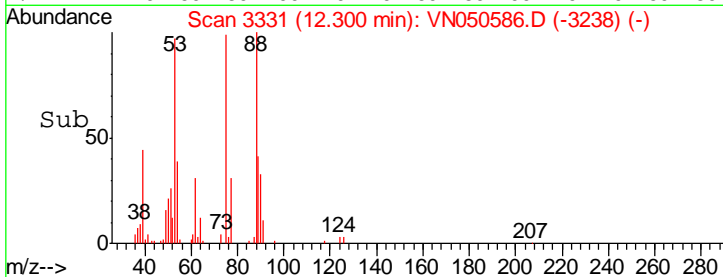
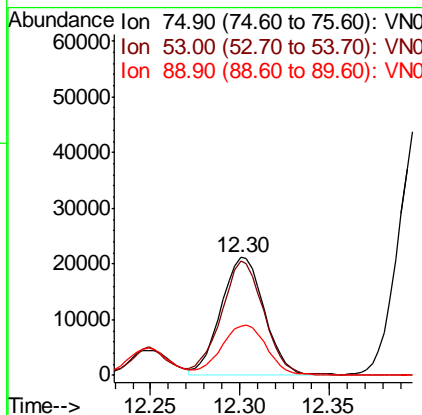
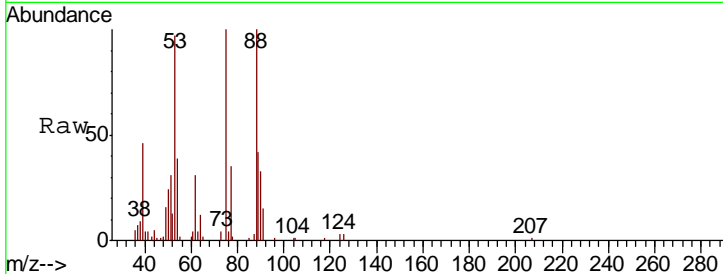
#81
 trans-1,4-Dichloro-2-butene
 Concen: 17.13 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	100		
53	94.9	72.2	108.2
89	44.6	36.3	54.5

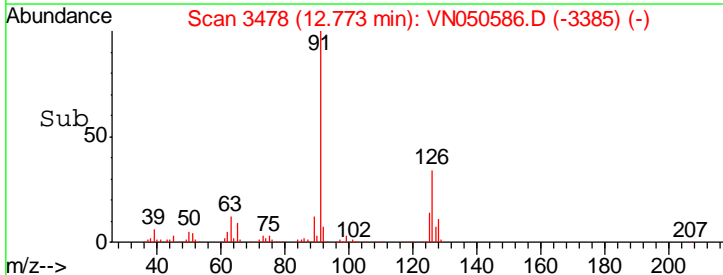
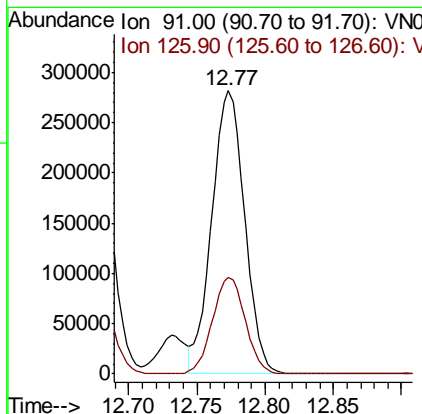
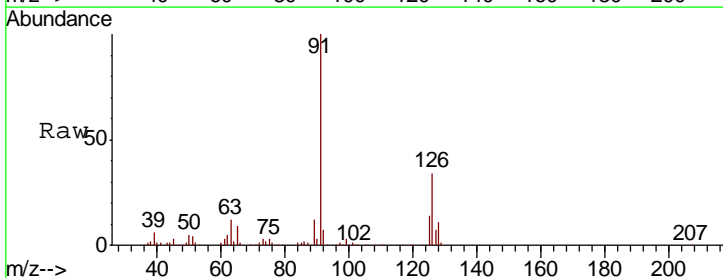
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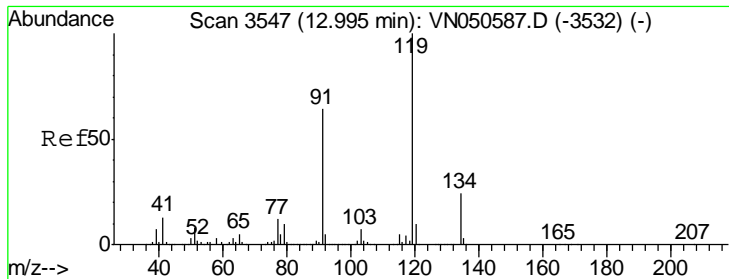
MMDadoda
 8/15/2018 3:21:04 PM



#82
 4-Chlorotoluene
 Concen: 21.28 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.1	17.3	52.0





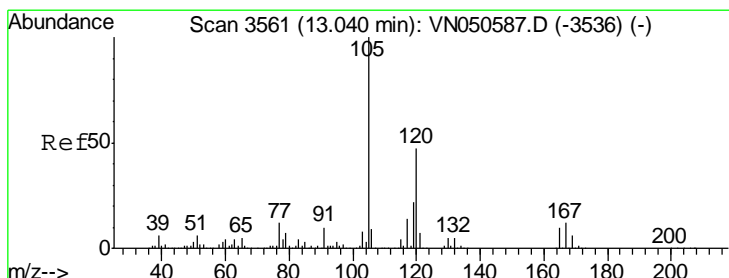
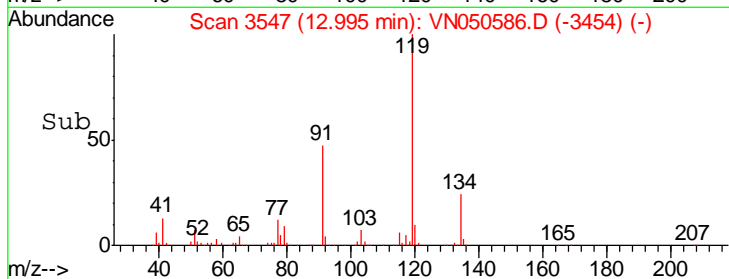
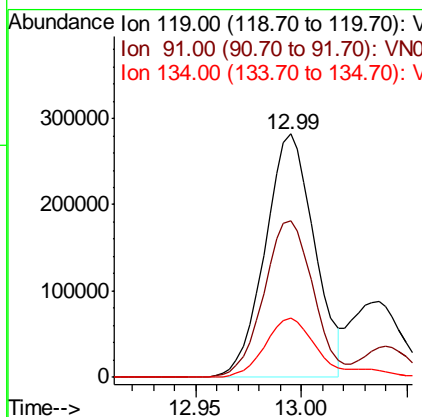
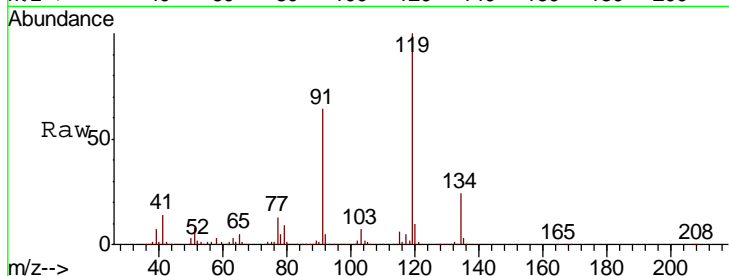
#83
 tert-Butylbenzene
 Concen: 20.47 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
119	458109		
91	64.6	32.2	96.6
134	25.0	13.4	40.2

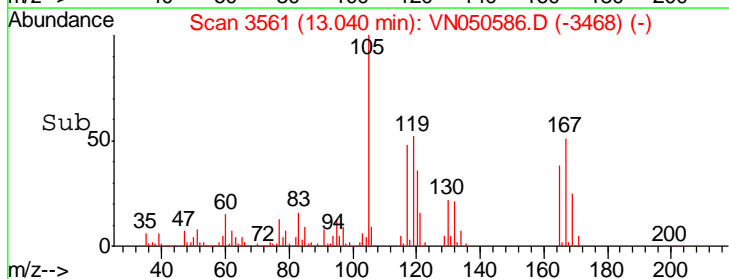
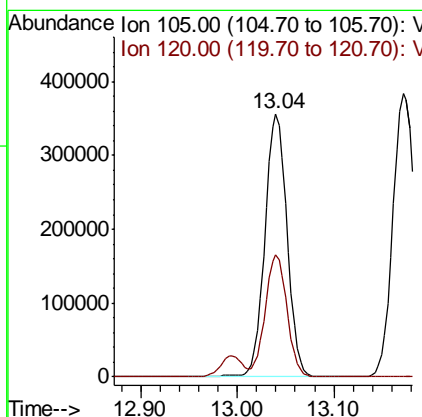
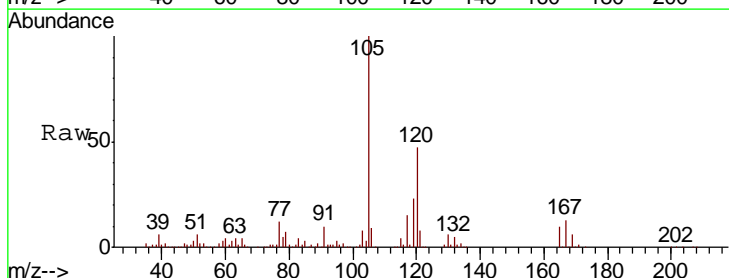
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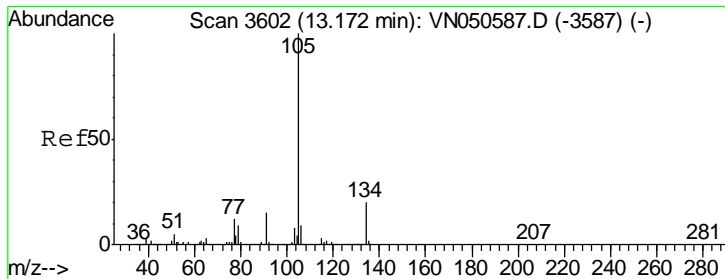
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.75 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
105	566422		
120	45.8	23.2	69.5





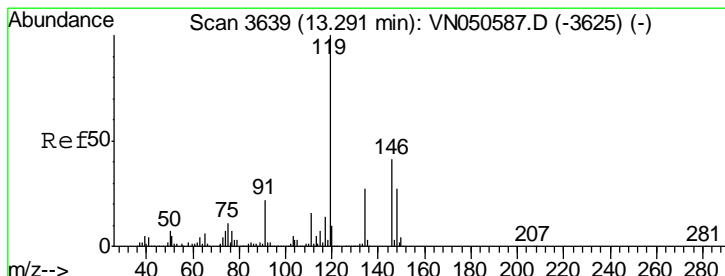
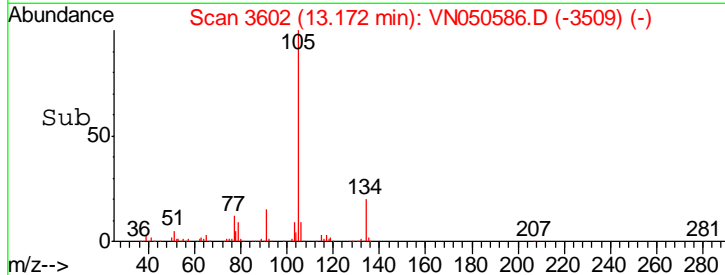
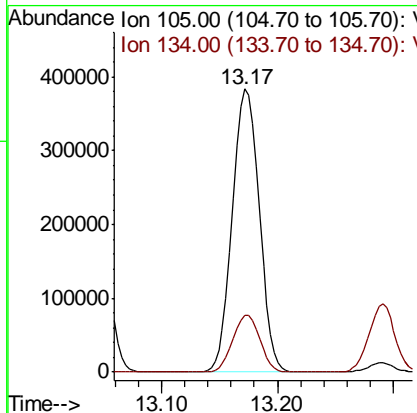
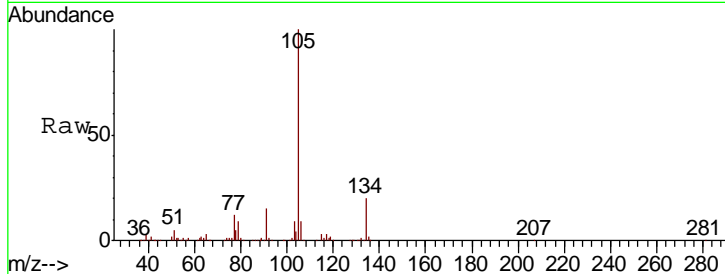
#85
 sec-Butylbenzene
 Concen: 20.64 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	616851		
134	20.3	10.1	30.3

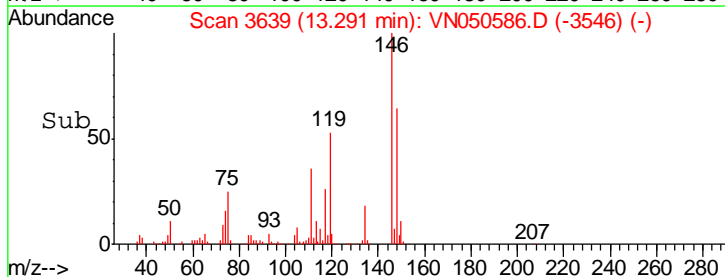
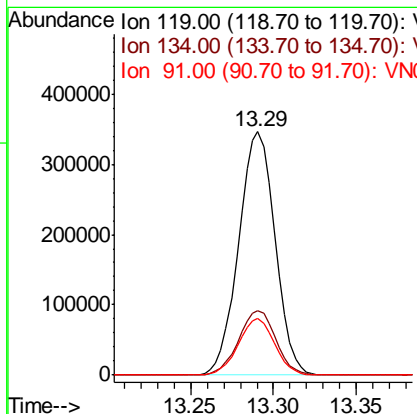
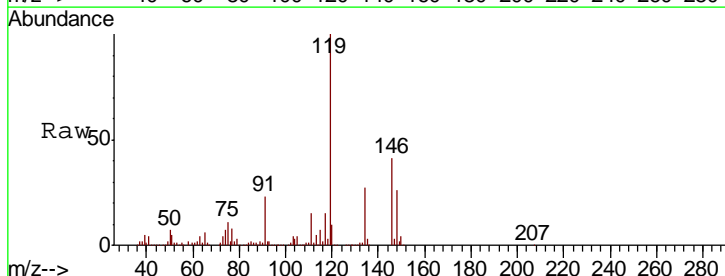
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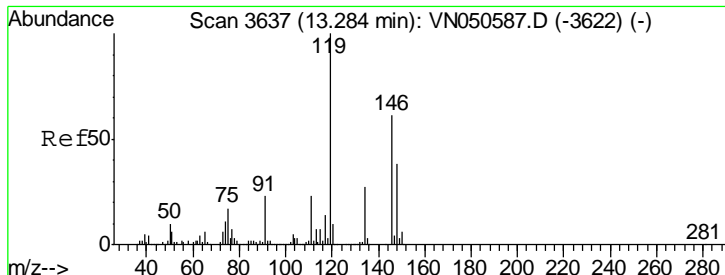
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#86
 p-Isopropyltoluene
 Concen: 20.63 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
119	527638		
134	27.1	13.5	40.4
91	23.0	11.2	33.6





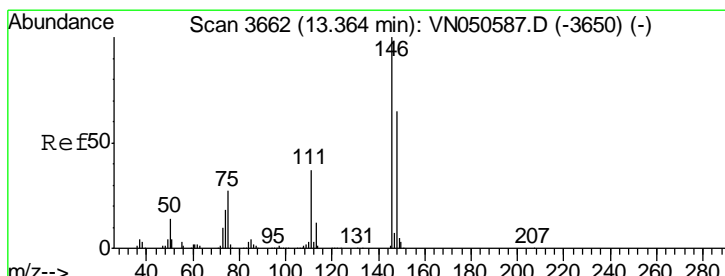
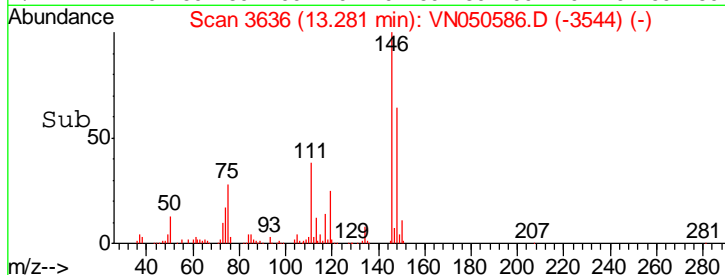
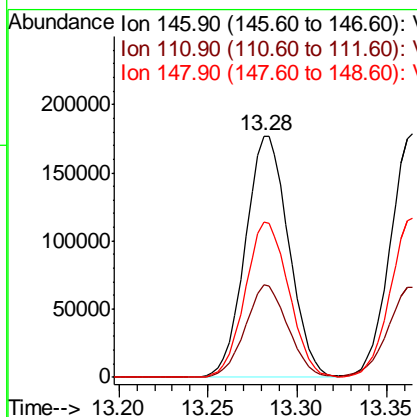
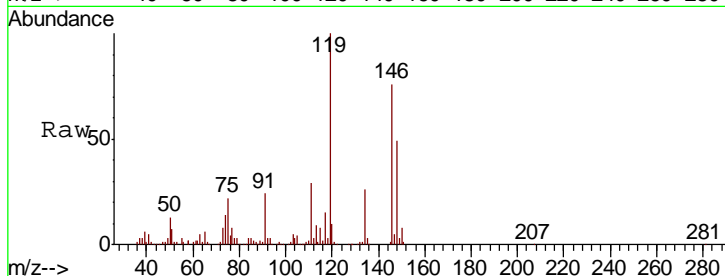
#87
 1,3-Dichlorobenzene
 Concen: 20.01 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	301471		
146	100		
111	37.5	19.2	57.6
148	64.4	31.9	95.7

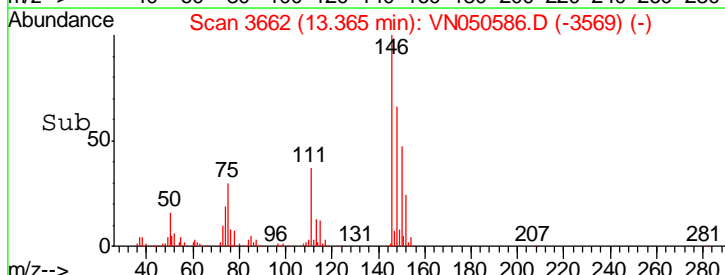
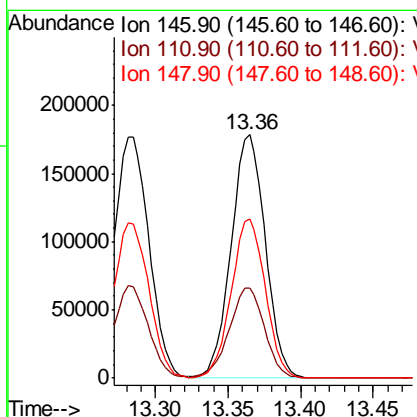
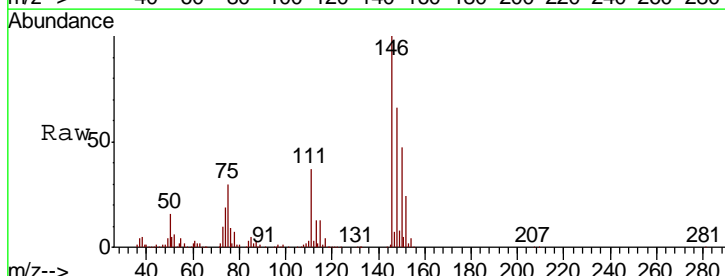
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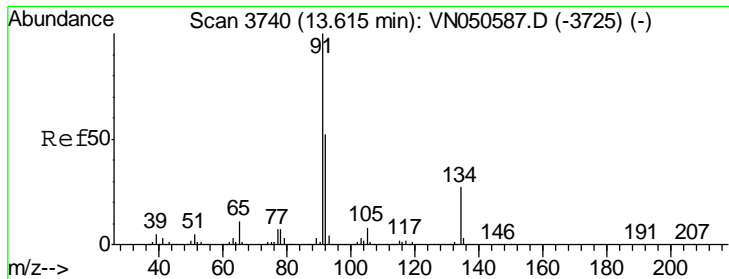
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#88
 1,4-Dichlorobenzene
 Concen: 19.42 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
146	291932		
146	100		
111	38.3	18.8	56.4
148	65.2	32.3	96.8





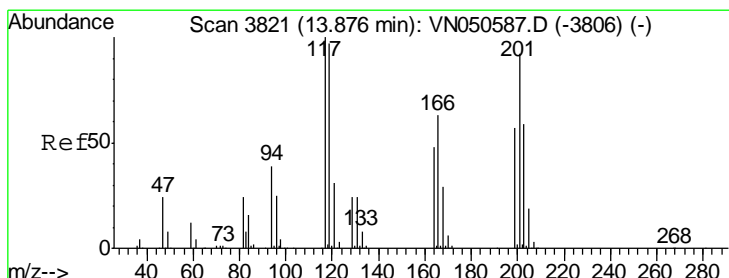
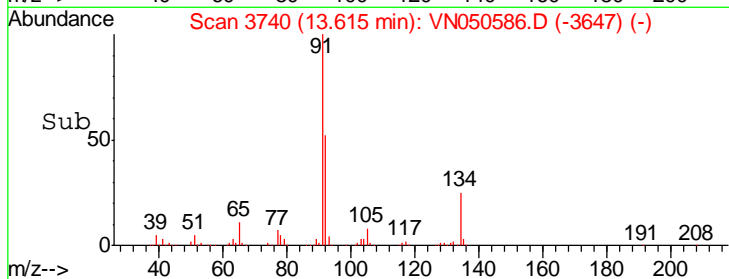
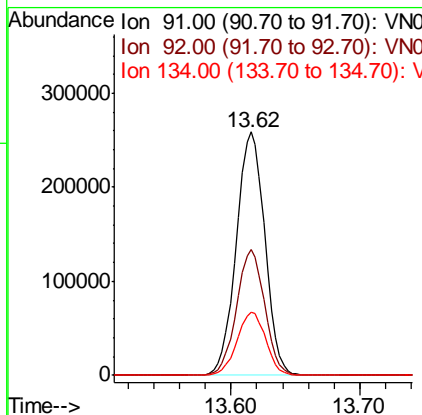
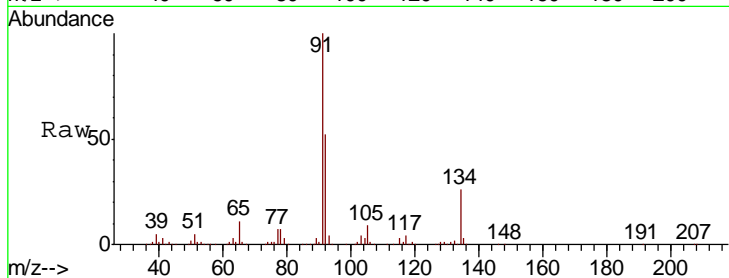
#89
 n-Butylbenzene
 Concen: 18.42 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
92	50.8	26.3	78.8
134	26.1	13.3	39.9

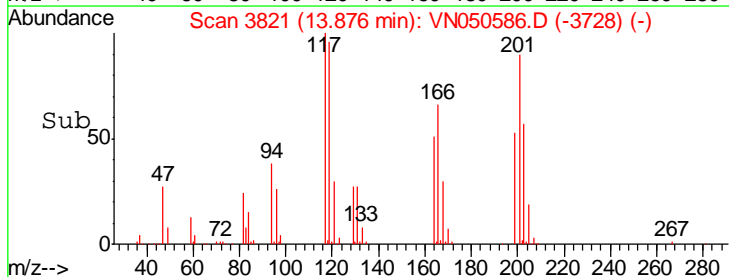
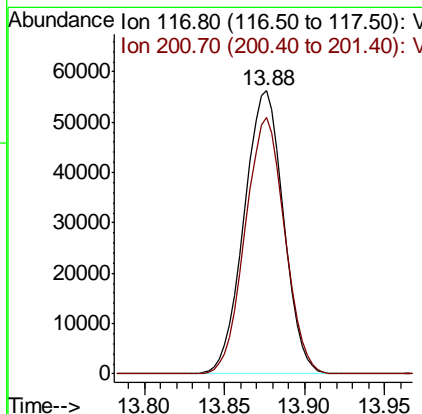
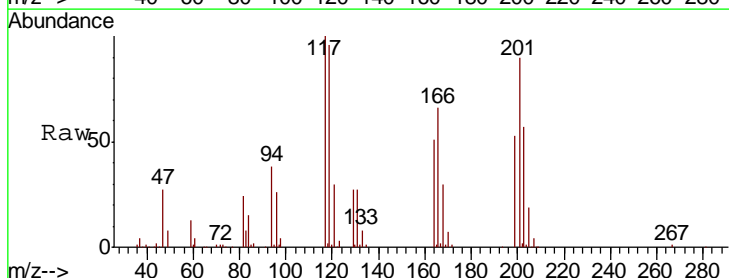
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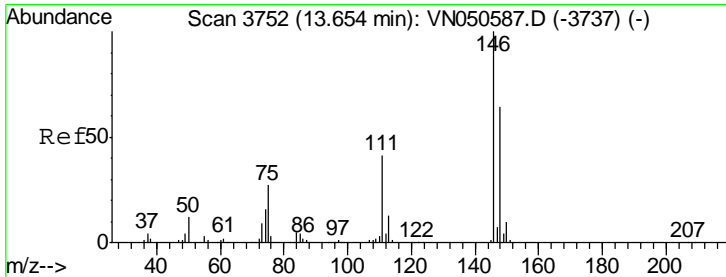
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#90
 Hexachloroethane
 Concen: 20.61 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
117	100		
201	90.6	45.5	136.5





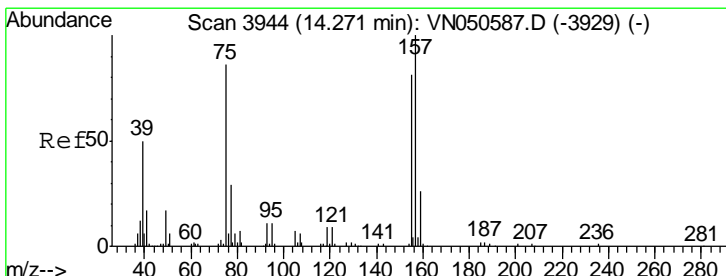
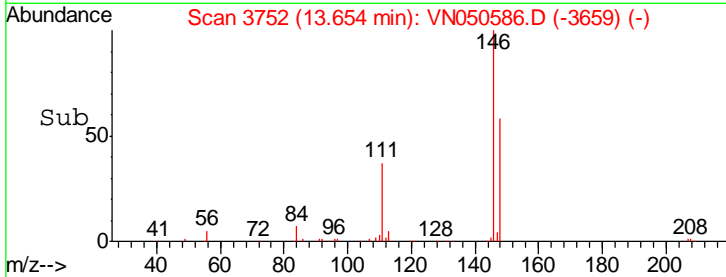
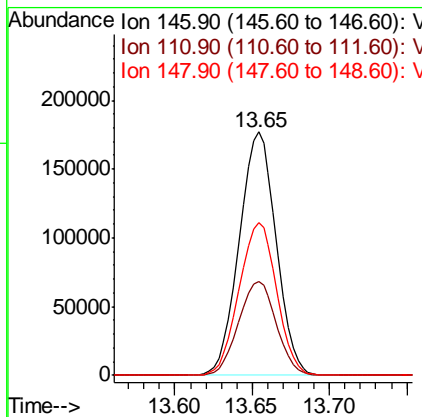
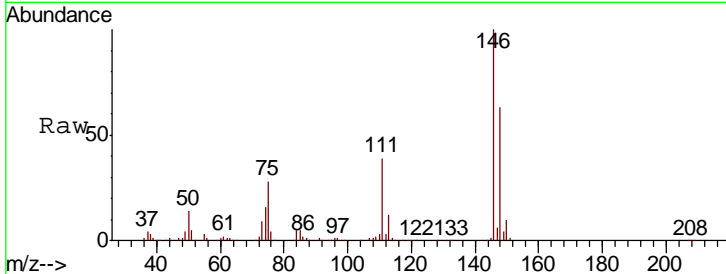
#91
 1,2-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	63.9	32.3	96.8

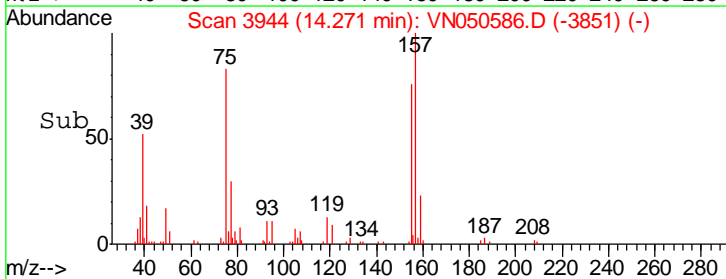
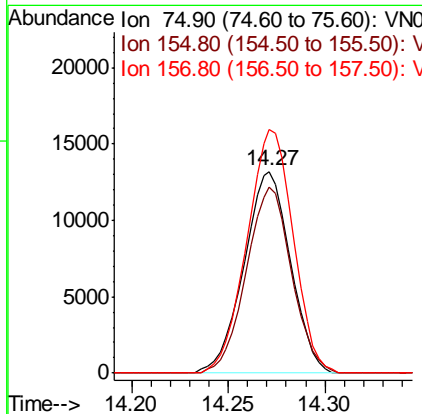
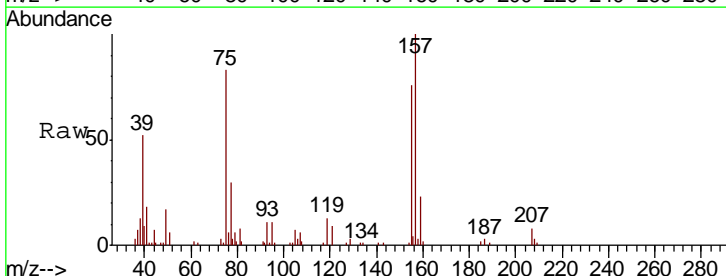
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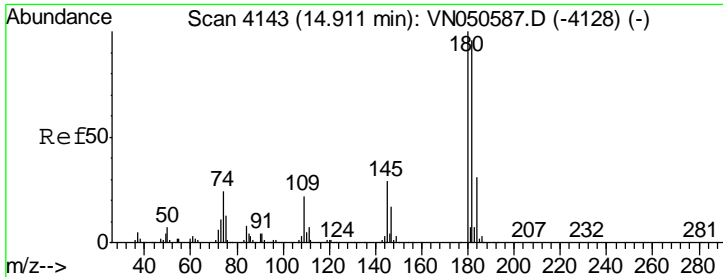
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.78 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
75	100		
155	89.7	46.6	139.8
157	119.9	58.1	174.2





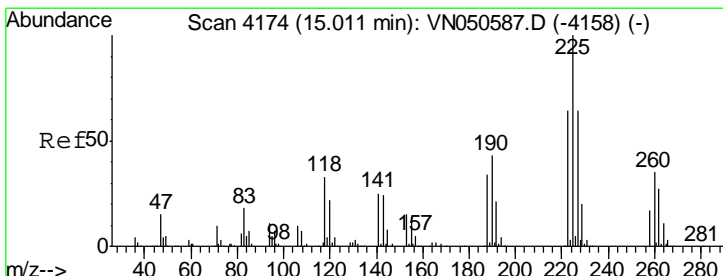
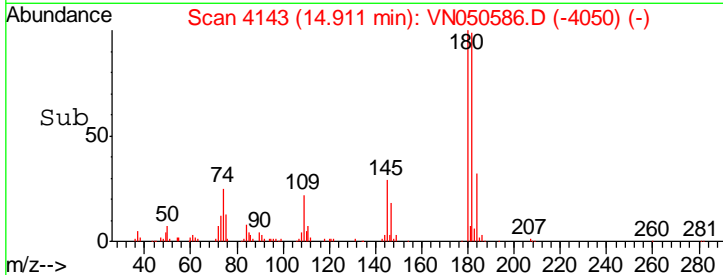
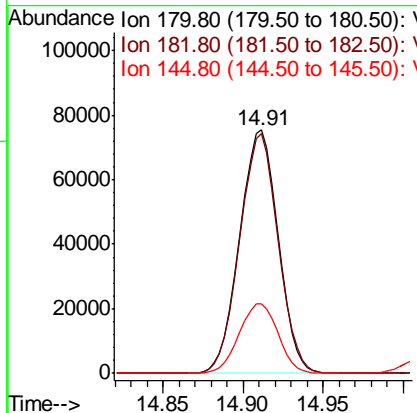
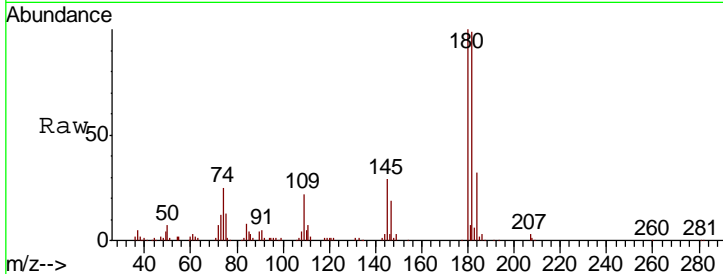
#93
 1,2,4-Trichlorobenzene
 Concen: 16.42 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VN050586.D
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
180	124128		
182	98.1	47.9	143.7
145	29.0	14.4	43.4

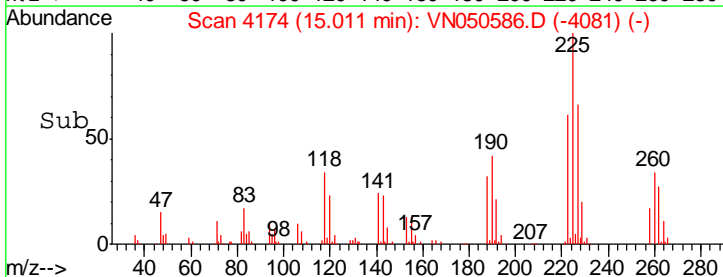
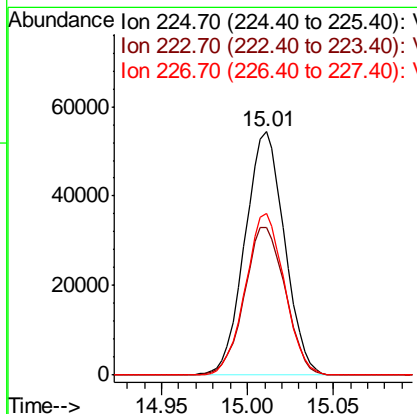
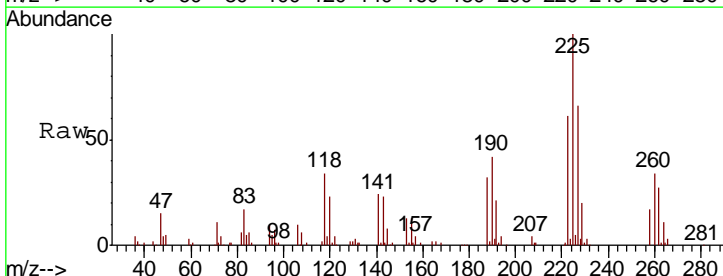
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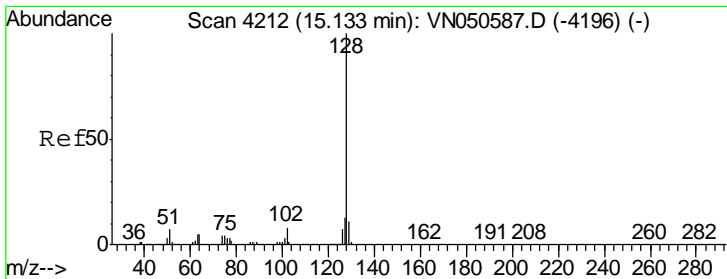
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#94
 Hexachlorobutadiene
 Concen: 15.75 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

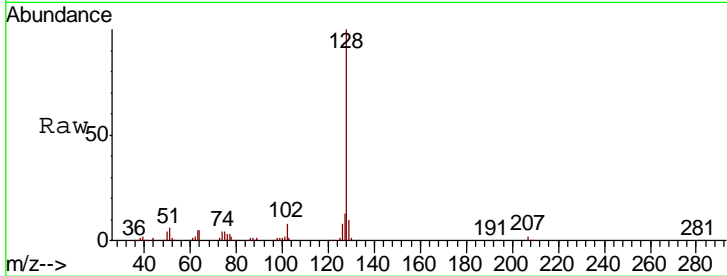
Tgt Ion	Resp	Lower	Upper
225	86763		
223	62.6	32.1	96.3
227	65.7	32.0	96.2





#95
 Naphthalene
 Concen: 14.15 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

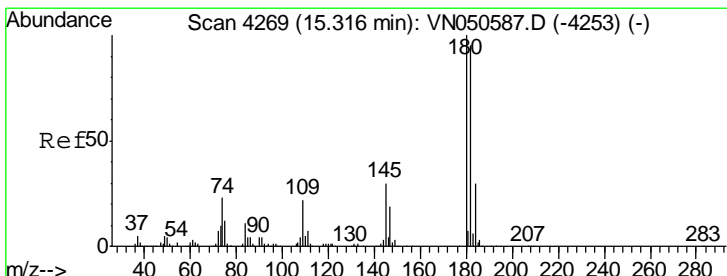
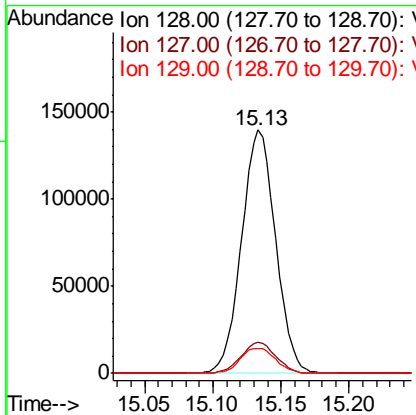
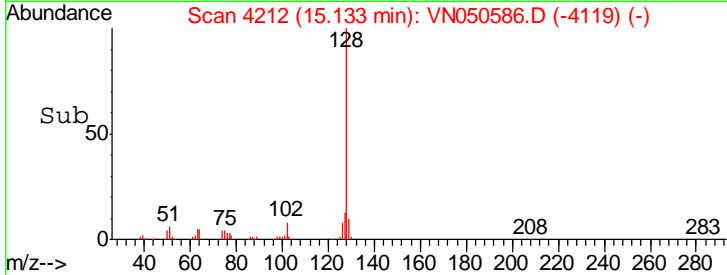
Instrument : MSVOA_N
 Client Sampled : VSTDIC020



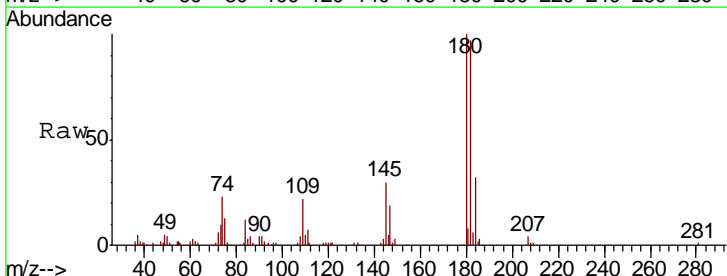
Tgt Ion: 128 Resp: 241886

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.8	8.5	12.7

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 8/15/2018 3:21:04 PM

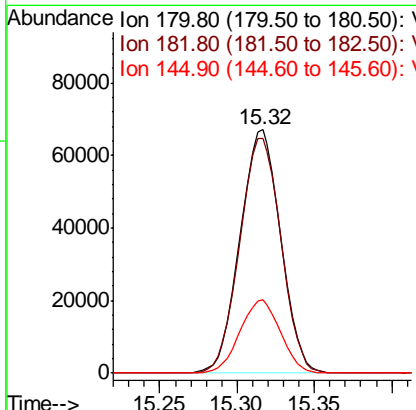
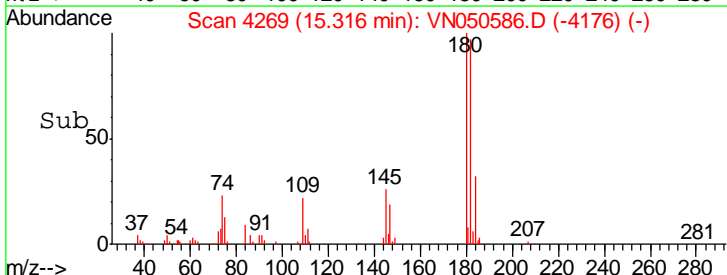


#96
 1,2,3-Trichlorobenzene
 Concen: 16.01 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35



Tgt Ion: 180 Resp: 122308

Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.3	141.8
145	29.9	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050587.D
 Acq On : 14 Aug 2018 1:00
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:11 PM

Quant Time: Aug 14 07:43:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	668486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	965586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	893322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	468608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	414148	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	7.59	113	389299	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.09	98	1472734	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.40	95	491135	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	363706	48.97	ug/l	100
3) Chloromethane	2.06	50	449077	45.29	ug/l	100
4) Vinyl Chloride	2.18	62	473105	49.15	ug/l	100
5) Bromomethane	2.56	94	273966	46.44	ug/l	100
6) Chloroethane	2.70	64	281400	47.67	ug/l	100
7) Trichlorofluoromethane	3.01	101	606886	48.91	ug/l	100
8) Diethyl Ether	3.41	74	210349	46.64	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	372470	48.53	ug/l	100
10) Methyl Iodide	3.95	142	244454	65.94	ug/l	100
11) Tert butyl alcohol	4.79	59	110960	166.65	ug/l	100
12) 1,1-Dichloroethene	3.73	96	344717	47.74	ug/l	100
13) Acrolein	3.61	56	41776	58.64	ug/l	100
14) Allyl chloride	4.32	41	541732	47.10	ug/l	100
15) Acrylonitrile	4.99	53	623077	213.01	ug/l	100
16) Acetone	3.82	43	514835	184.45	ug/l	100
17) Carbon Disulfide	4.05	76	1072331	45.66	ug/l	100
18) Methyl Acetate	4.33	43	288390	36.24	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	926738	46.02	ug/l	100
20) Methylene Chloride	4.55	84	404126	40.67	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	377135	48.30	ug/l	100
22) Diisopropyl ether	5.96	45	1187127	50.30	ug/l	100
23) Vinyl Acetate	5.90	43	3927236	236.95	ug/l	100
24) 1,1-Dichloroethane	5.85	63	699630	48.16	ug/l	100
25) 2-Butanone	6.84	43	842957	198.41	ug/l	100
26) 2,2-Dichloropropane	6.83	77	458277	39.46	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	420151	48.62	ug/l	100
28) Bromochloromethane	7.20	49	329992	49.28	ug/l	100
29) Tetrahydrofuran	7.21	42	455998	200.08	ug/l	100
30) Chloroform	7.37	83	704619	48.53	ug/l	100
31) Cyclohexane	7.65	56	635662	43.70	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	605461	48.56	ug/l	100
36) 1,1-Dichloropropene	7.79	75	544336	51.38	ug/l	100
37) Ethyl Acetate	6.93	43	313200	42.72	ug/l	100
38) Carbon Tetrachloride	7.78	117	536933	48.59	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050587.D
 Acq On : 14 Aug 2018 1:00
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC050

Manual Integrations
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 8/15/2018 3:21:11 PM

Quant Time: Aug 14 07:43:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	592507	51.26	ug/l	100
40) Benzene	8.04	78	1640352	50.29	ug/l	100
41) Methacrylonitrile	7.18	41	174455	44.07	ug/l	100
42) 1,2-Dichloroethane	8.13	62	491363	47.90	ug/l	100
43) Isopropyl Acetate	8.17	43	553478	43.25	ug/l	100
44) Trichloroethene	8.84	130	430685	49.10	ug/l	100
45) 1,2-Dichloropropane	9.12	63	427945	49.93	ug/l	100
46) Dibromomethane	9.21	93	245828	46.96	ug/l	100
47) Bromodichloromethane	9.40	83	538426	49.17	ug/l	100
48) Methyl methacrylate	9.20	41	278647	43.62	ug/l	100
49) 1,4-Dioxane	9.20	88	74392	766.12	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1948296	213.24	ug/l	100
52) Toluene	10.16	92	1009074	51.57	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	522887	48.09	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	611874	50.16	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	359193	47.44	ug/l	100
56) Ethyl methacrylate	10.43	69	448443	47.59	ug/l	100
57) 1,3-Dichloropropane	10.71	76	600655	48.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1083201	246.06	ug/l	100
59) 2-Hexanone	10.75	43	1286714	203.09	ug/l	100
60) Dibromochloromethane	10.90	129	405262	48.52	ug/l	100
61) 1,2-Dibromoethane	11.01	107	352028	47.37	ug/l	100
64) Tetrachloroethene	10.63	164	410147	49.21	ug/l	100
65) Chlorobenzene	11.44	112	1097230	48.97	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	407622	49.86	ug/l	100
67) Ethyl Benzene	11.51	91	1897710	52.39	ug/l	100
68) m/p-Xylenes	11.62	106	1477026	107.03	ug/l	100
69) o-Xylene	11.95	106	700354	52.78	ug/l	100
70) Styrene	11.96	104	1150339	53.46	ug/l	100
71) Bromoform	12.13	173	275821	47.02	ug/l #	100
73) Isopropylbenzene	12.25	105	1850997	52.25	ug/l	100
74) N-amyl acetate	12.07	43	476573	43.01	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	436513	43.64	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	360007m	42.51	ug/l	
77) Bromobenzene	12.53	156	475020	50.11	ug/l	100
78) n-propylbenzene	12.59	91	2122325	52.97	ug/l	100
79) 2-Chlorotoluene	12.68	91	1266302	51.14	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1530910	53.34	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	102893	43.97	ug/l	100
82) 4-Chlorotoluene	12.77	91	1287201	52.16	ug/l	100
83) tert-Butylbenzene	12.99	119	1276470	51.12	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1561831	53.75	ug/l	100
85) sec-Butylbenzene	13.17	105	1722820	51.66	ug/l	100
86) p-Isopropyltoluene	13.29	119	1507496	52.82	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	830291	49.38	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	808976	48.22	ug/l	100
89) n-Butylbenzene	13.62	91	1196890	49.61	ug/l	100
90) Hexachloroethane	13.88	117	256592	50.10	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	793342	47.26	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62390	37.41	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050587.D
 Acq On : 14 Aug 2018 1:00
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 8/15/2018 3:21:11 PM

Quant Time: Aug 14 07:43:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399481	47.35	ug/l	100
94) Hexachlorobutadiene	15.01	225	232250	37.79	ug/l	100
95) Naphthalene	15.13	128	826660	43.33	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	382458	44.86	ug/l	100

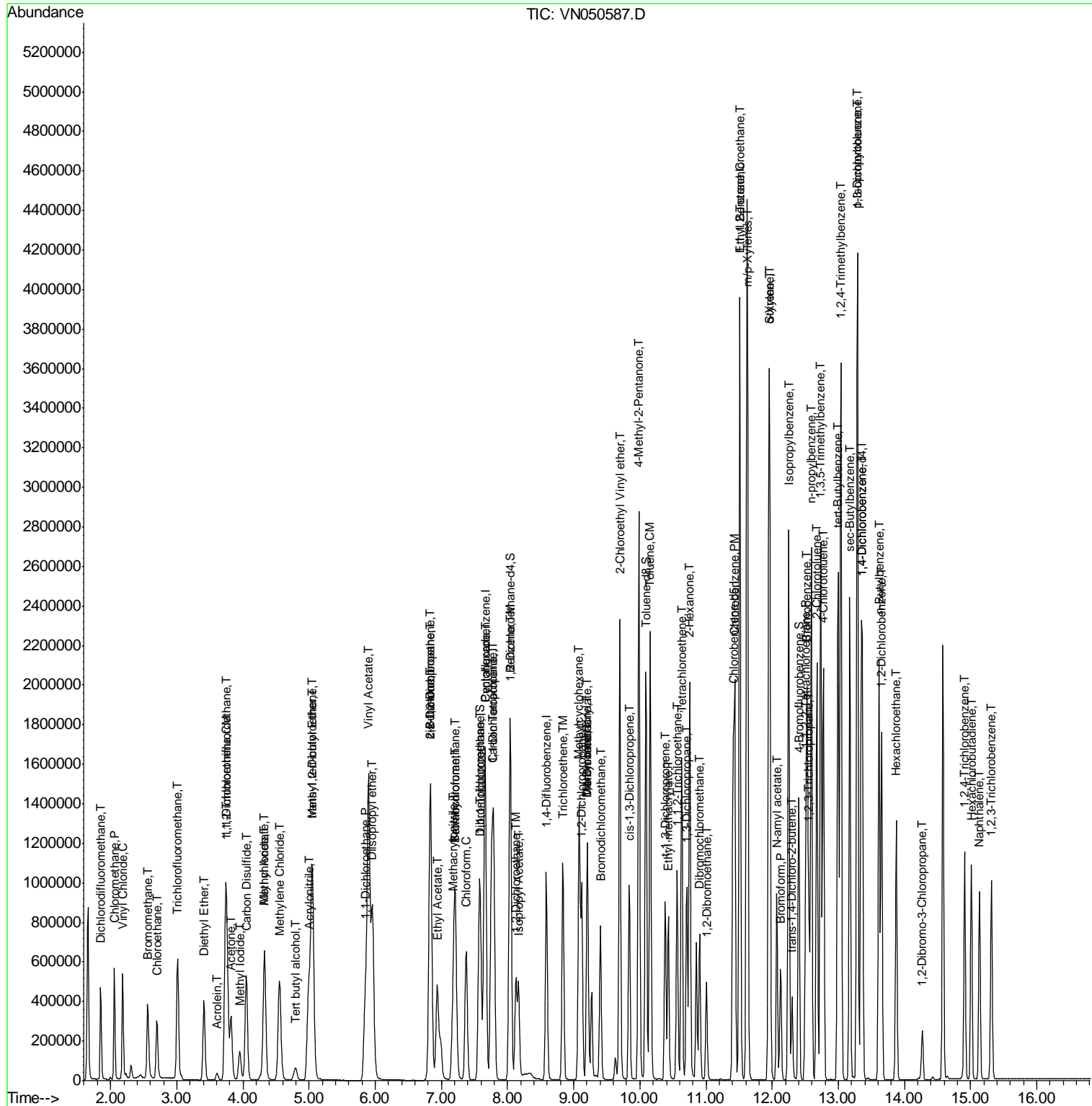
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050587.D
Acq On : 14 Aug 2018 1:00
Operator : MD\SY
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 36 Sample Multiplier: 1

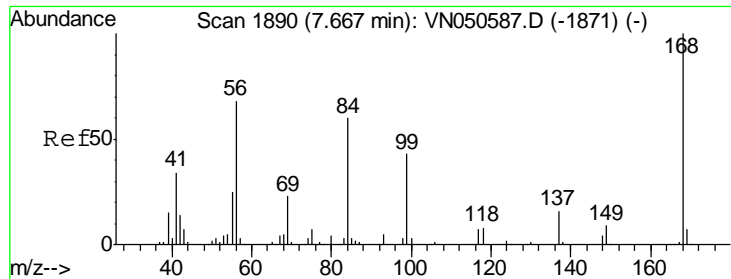
Instrument :
MSVOA_N
Client Sampled :
VSTDICCC050

Manual Integrations
APPROVED
MMDadoda
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Quant Time: Aug 14 07:43:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 07:26:24 2018
Response via : Initial Calibration



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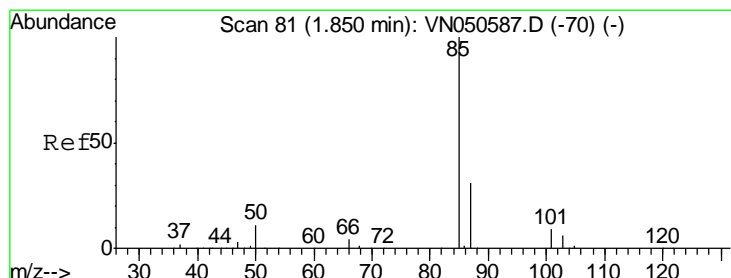
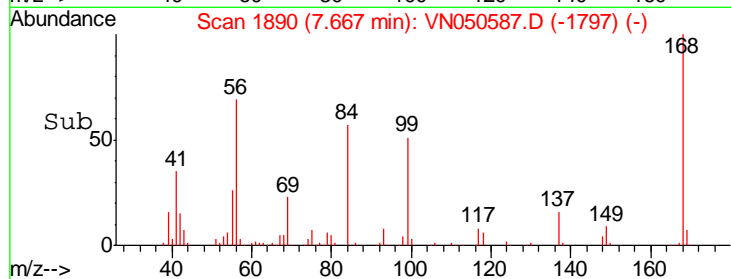
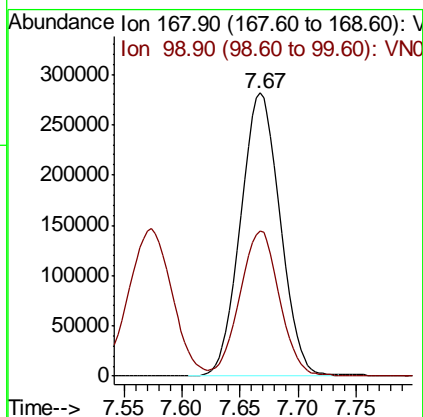
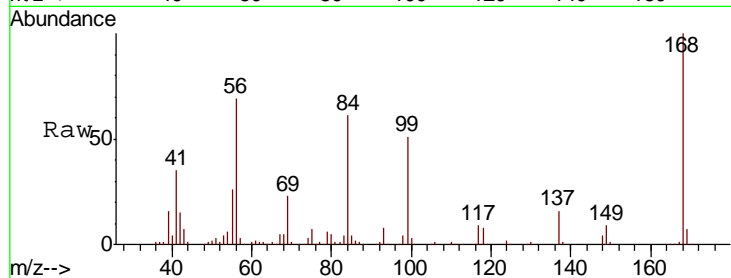
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
168	100		
99	51.0	40.8	61.2

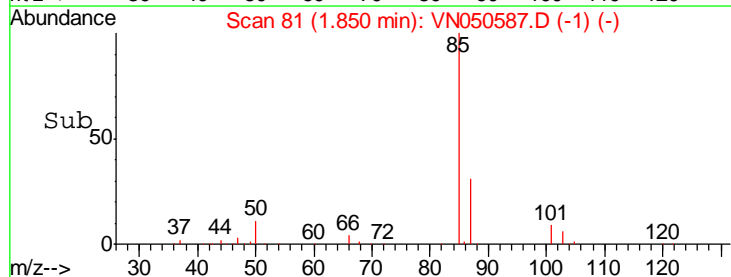
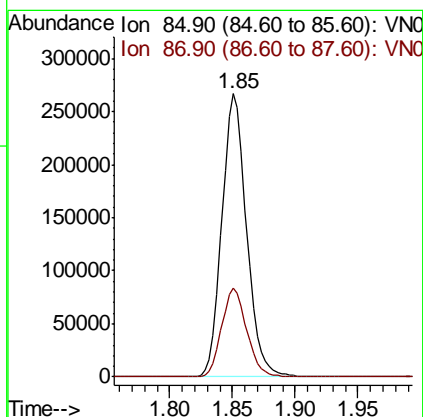
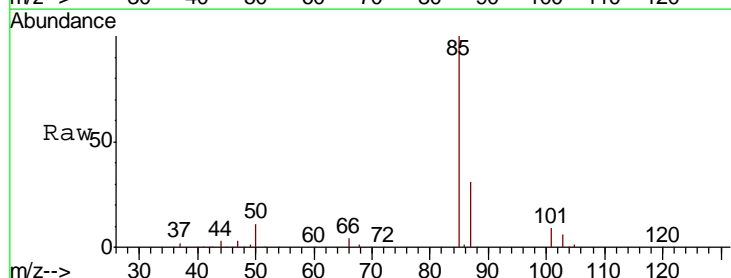
Manual Integrations
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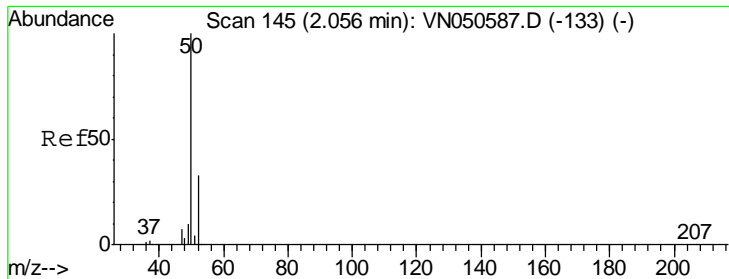
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 8/15/2018 3:21:11 PM



#2
 Dichlorodifluoromethane
 Concen: 48.97 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.5	15.8	47.3





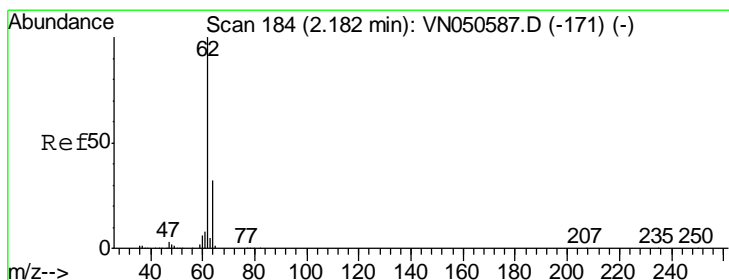
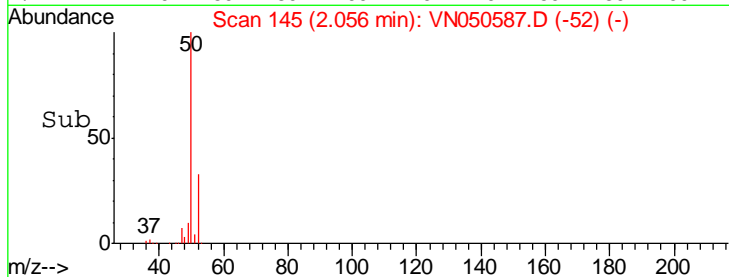
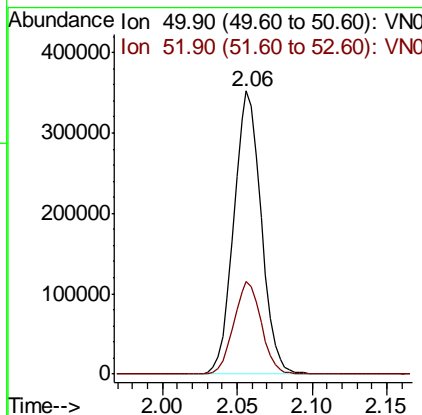
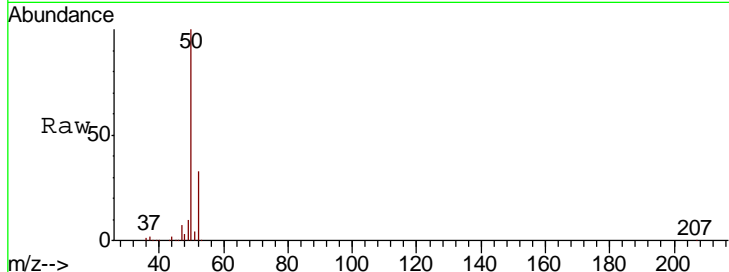
#3
 Chloromethane
 Concen: 45.29 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.5	26.0	39.0

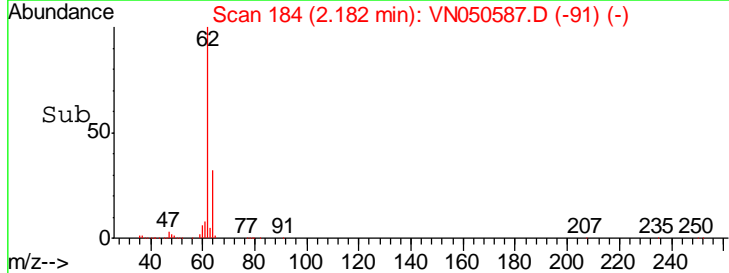
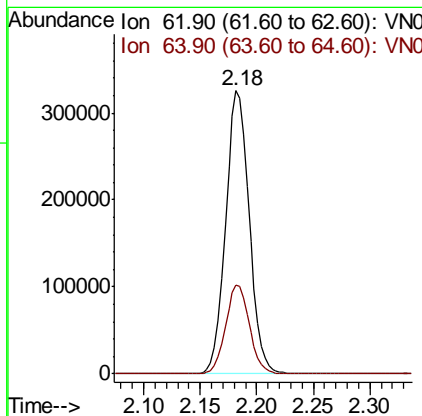
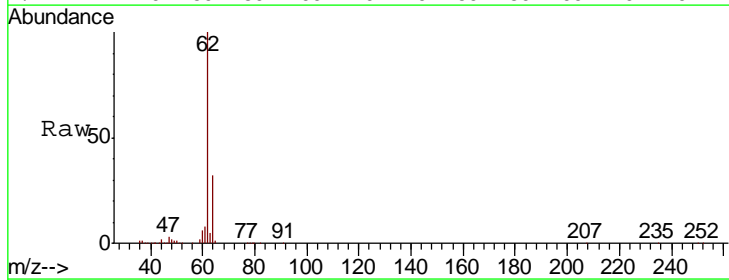
Manual Integrations
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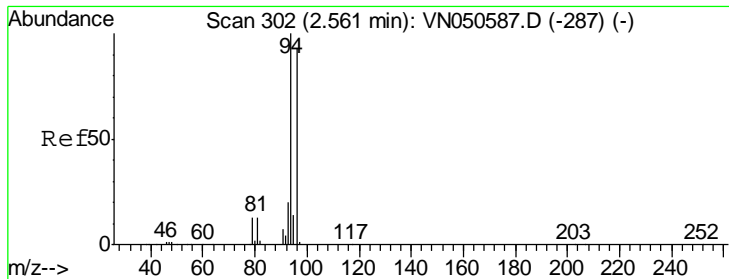
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 8/15/2018 3:21:11 PM



#4
 Vinyl Chloride
 Concen: 49.15 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.5	25.2	37.8



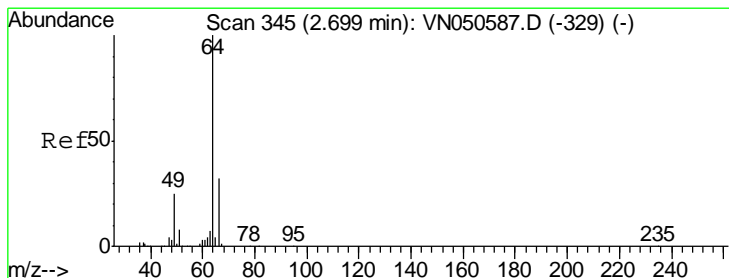
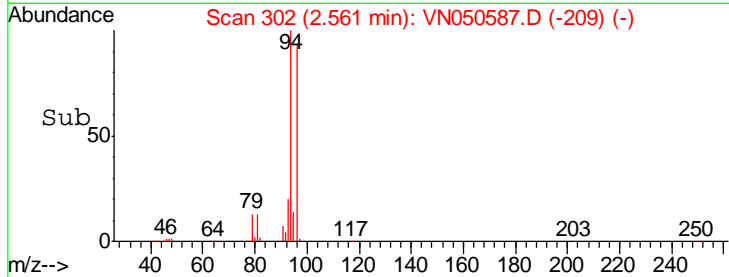
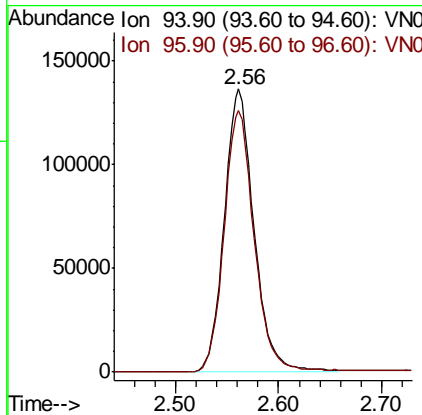
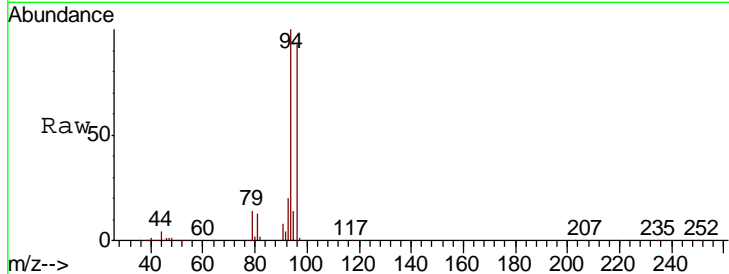


#5
 Bromomethane
 Concen: 46.44 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
94	100		
96	92.5	74.0	111.0

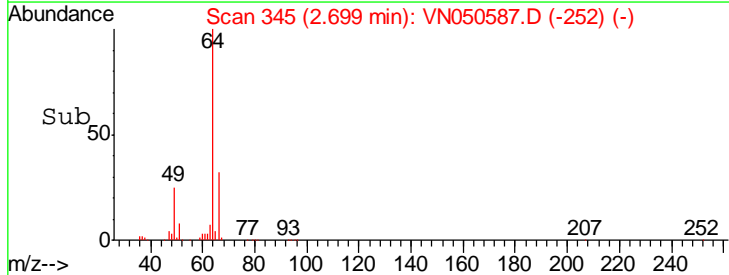
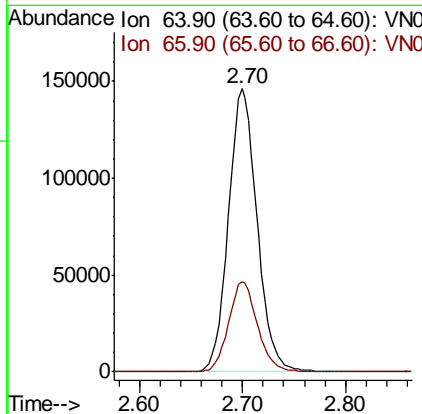
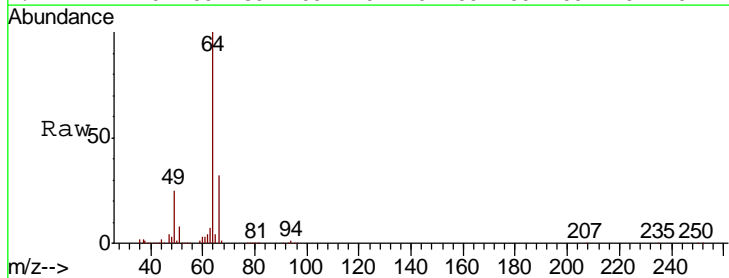
Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

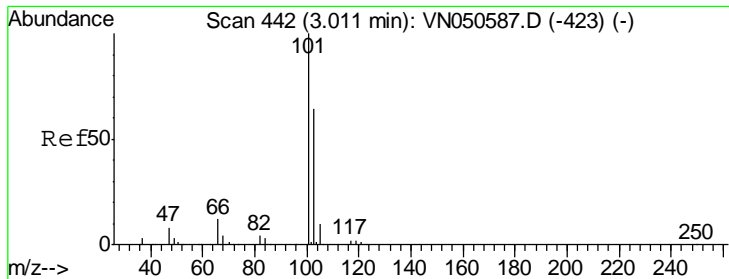
Manual Integrations APPROVED
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 8/15/2018 3:21:11 PM



#6
 Chloroethane
 Concen: 47.67 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.1	25.7	38.5





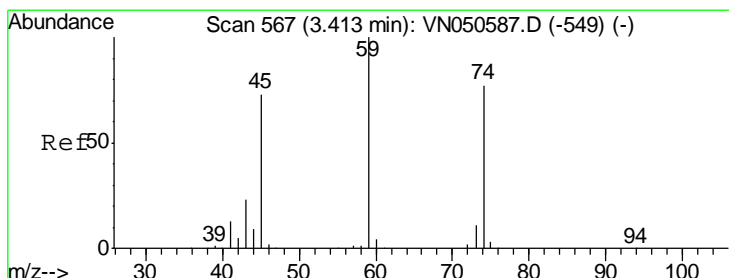
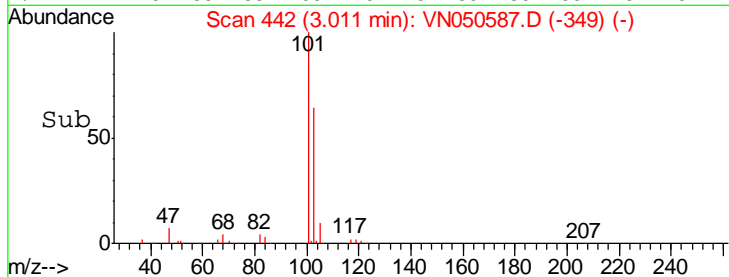
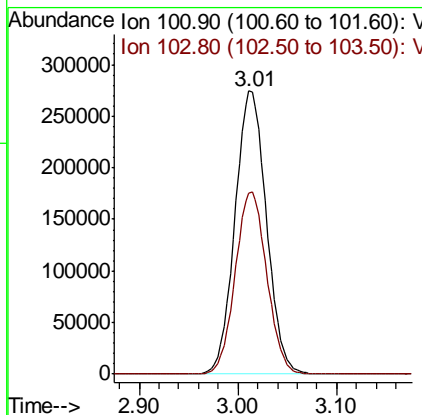
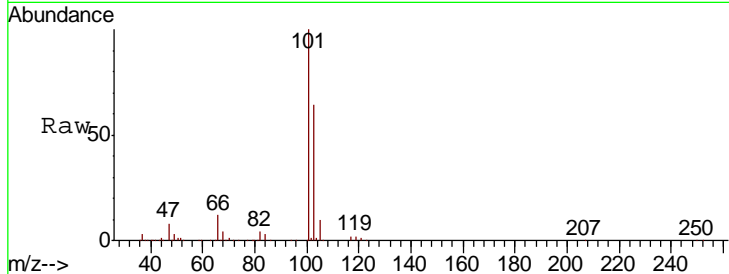
#7
 Trichlorofluoromethane
 Concen: 48.91 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
101	606886		
103	64.2	51.4	77.0

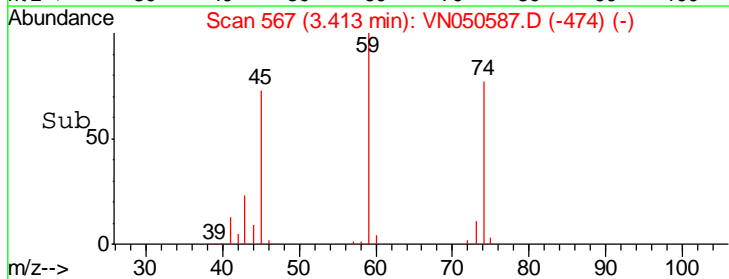
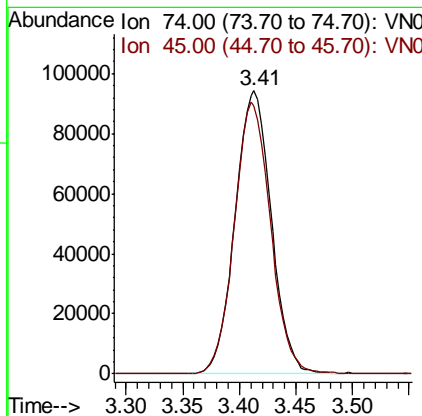
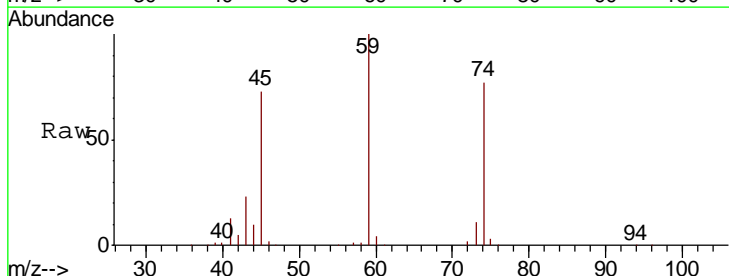
Manual Integrations
 APPROVED

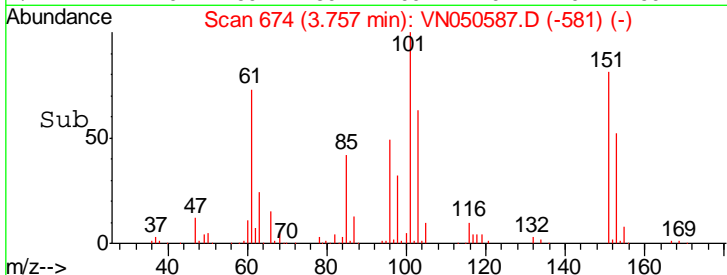
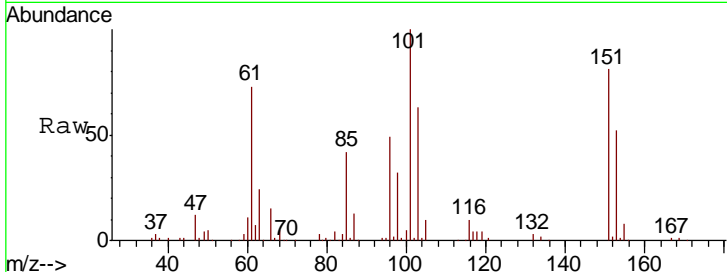
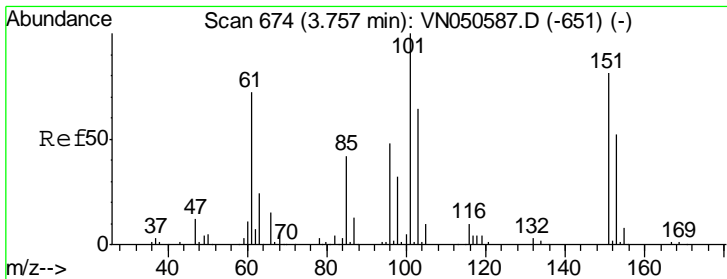
MMDadoda
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#8
 Diethyl Ether
 Concen: 46.64 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
74	210349		
45	96.1	48.0	144.2



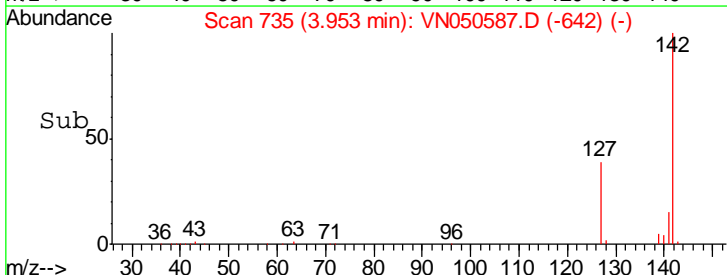
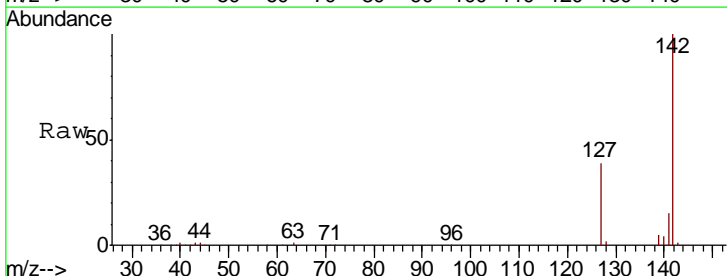
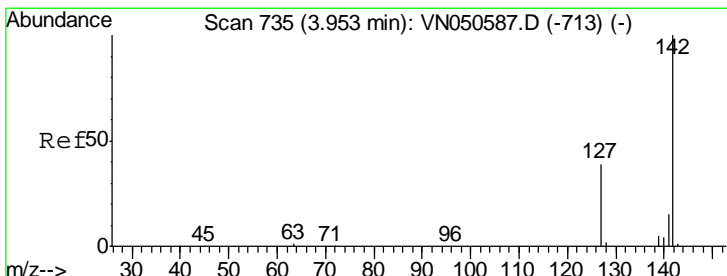
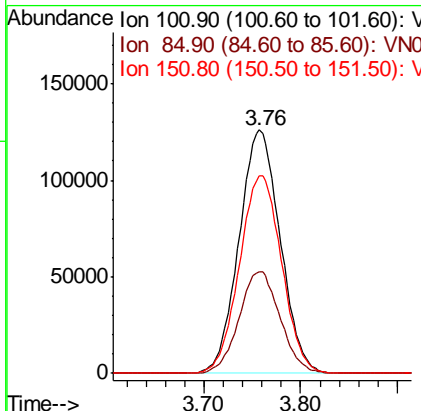


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.53 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
101	372470		
101	100		
85	41.7	33.4	50.0
151	83.3	66.6	100.0

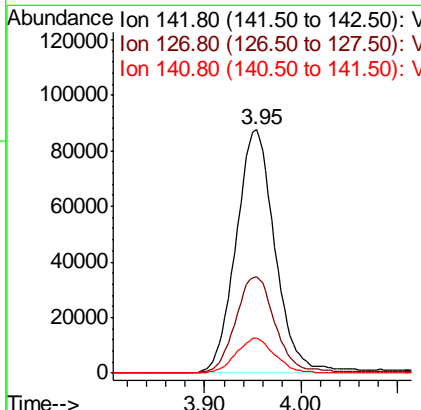
Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

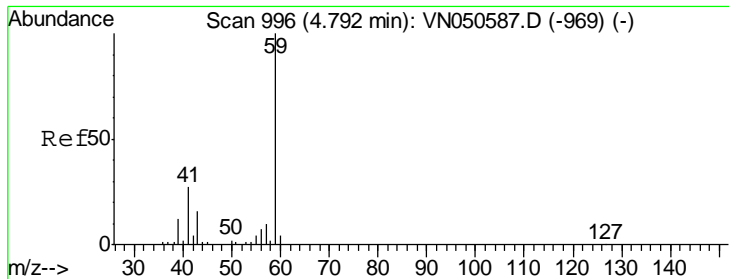
Manual Integrations
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 MMDadoda
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#10
 Methyl Iodide
 Concen: 65.94 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
142	244454		
142	100		
127	40.8	32.6	49.0
141	14.4	11.5	17.3





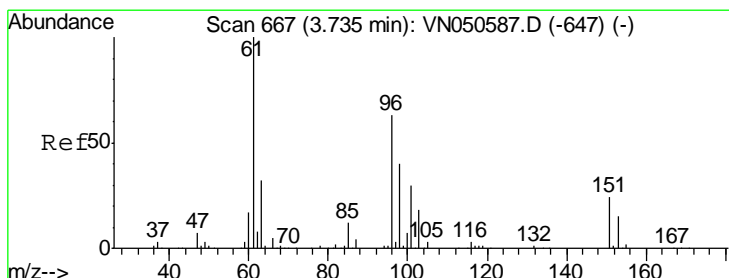
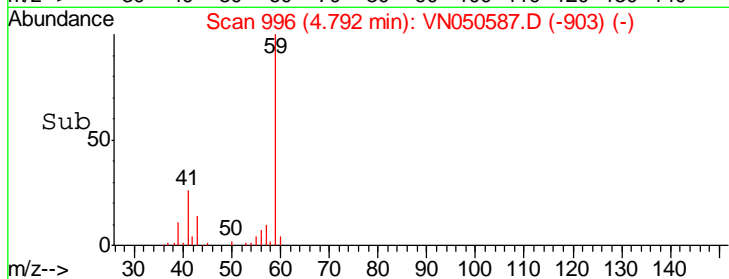
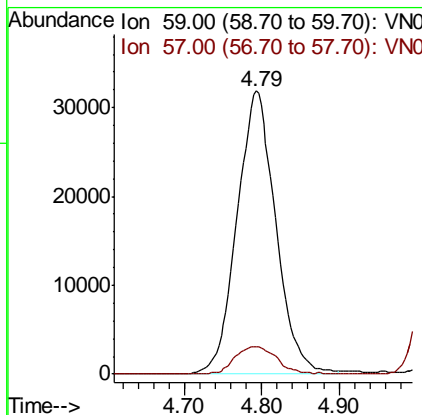
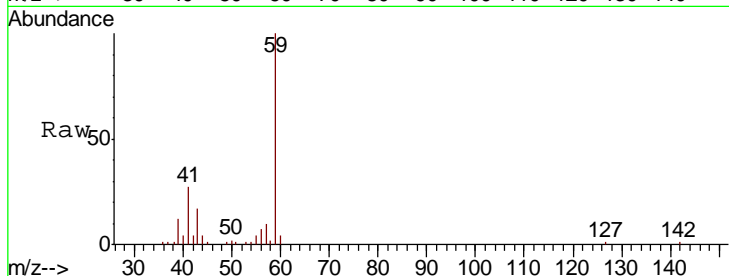
#11
 Tert butyl alcohol
 Concen: 166.65 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
59	110960		
57	10.5	8.4	12.6

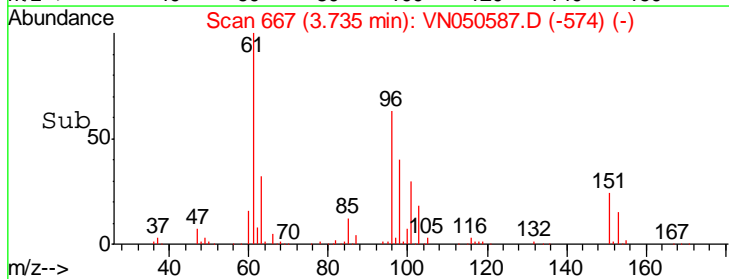
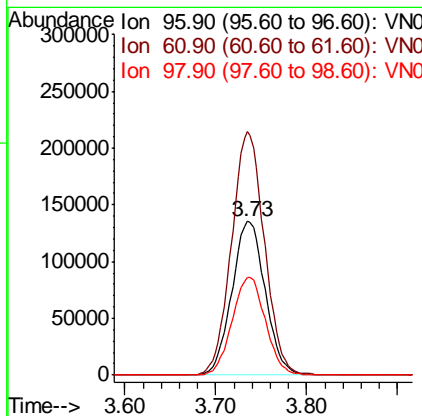
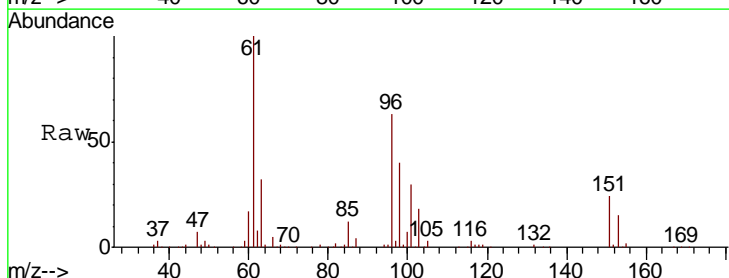
Manual Integrations
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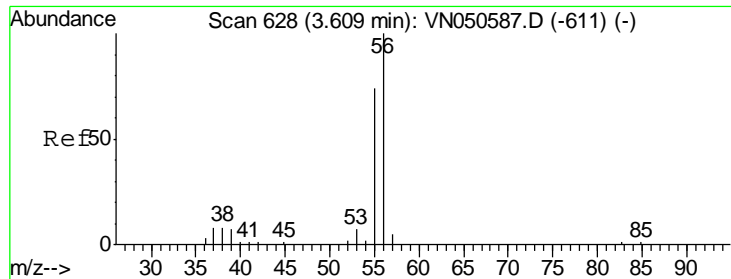
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#12
 1,1-Dichloroethene
 Concen: 47.74 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
96	344717		
61	158.6	126.9	190.3
98	63.9	51.1	76.7





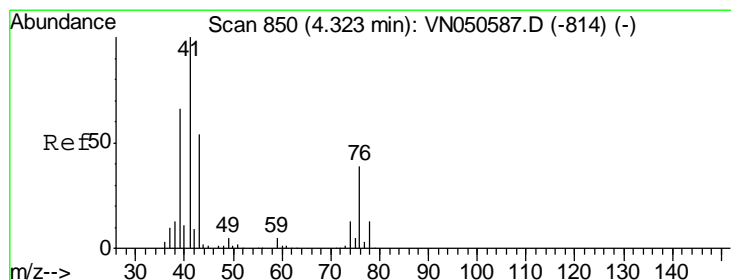
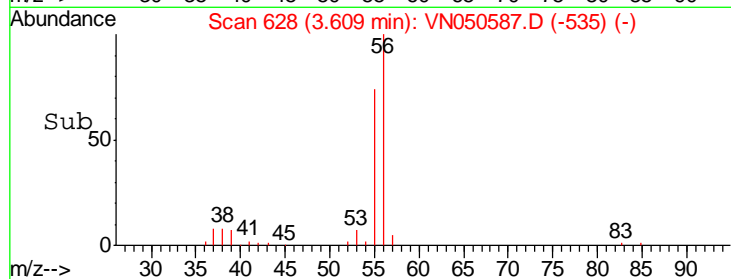
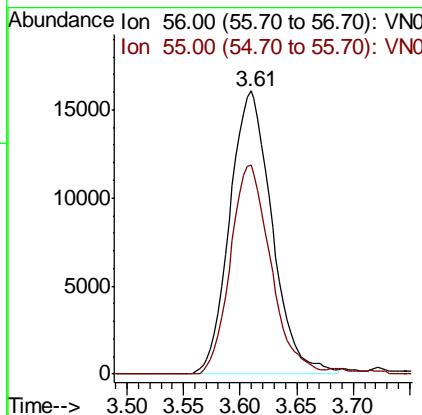
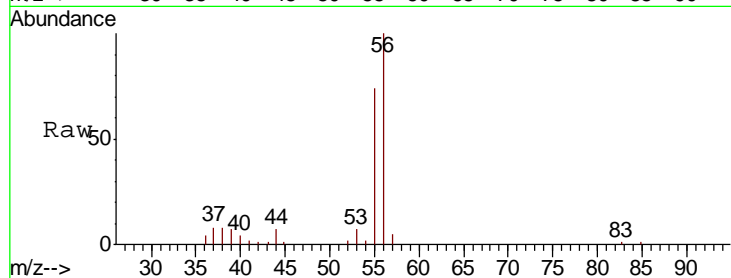
#13
 Acrolein
 Concen: 58.64 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	41776		
55	70.4	56.3	84.5

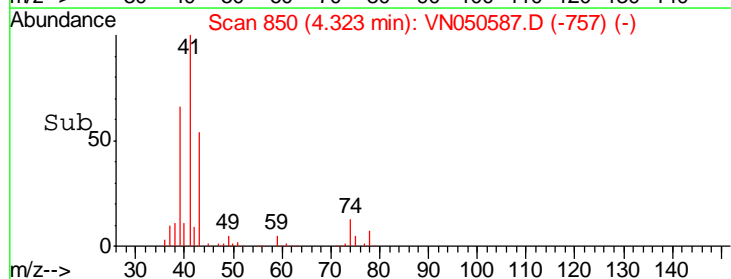
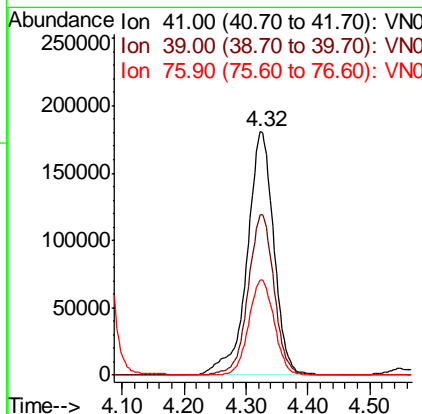
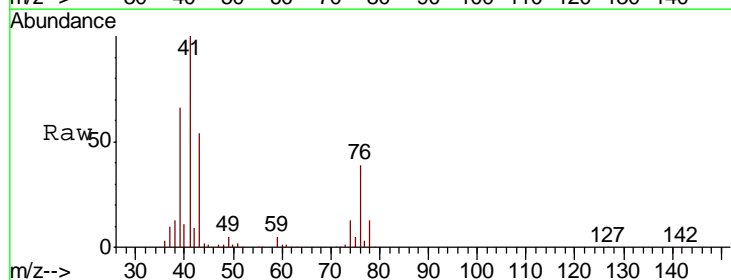
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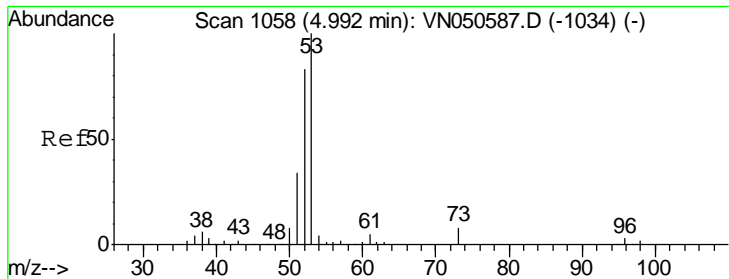
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#14
 Allyl chloride
 Concen: 47.10 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
41	541732		
39	64.2	51.4	77.0
76	36.7	29.4	44.0





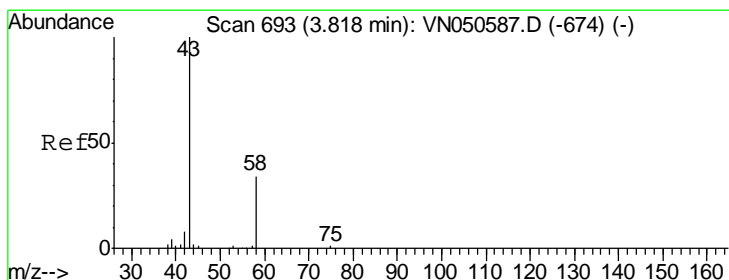
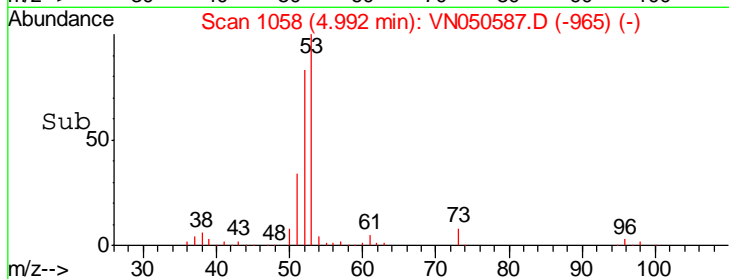
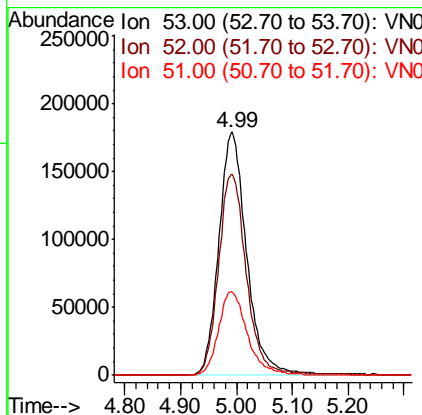
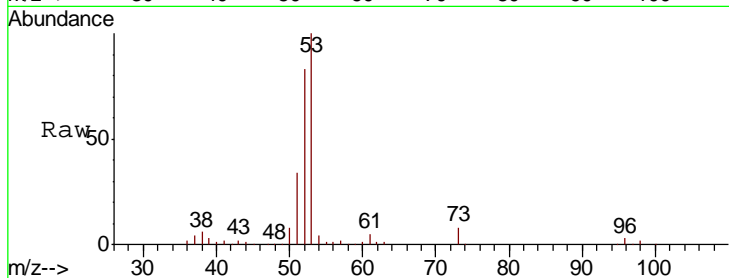
#15
 Acrylonitrile
 Concen: 213.01 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	35.8	28.6	43.0

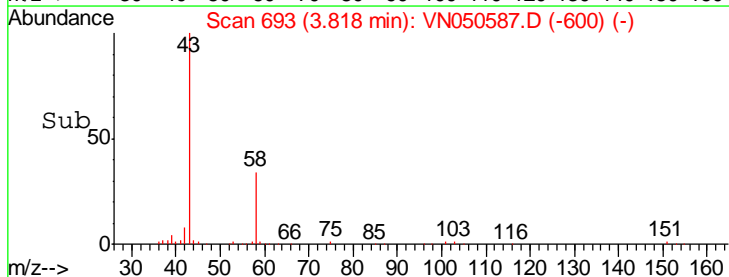
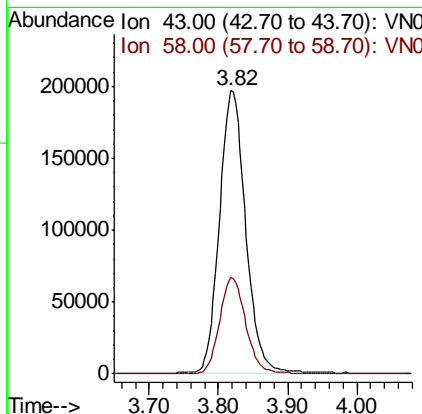
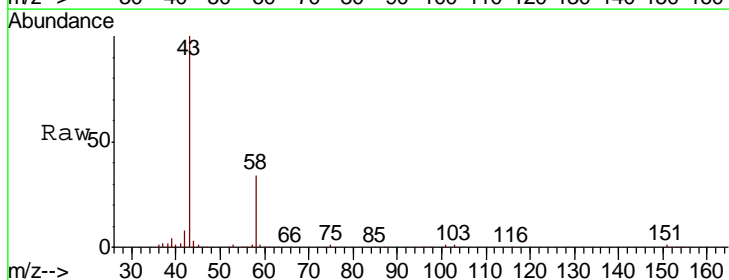
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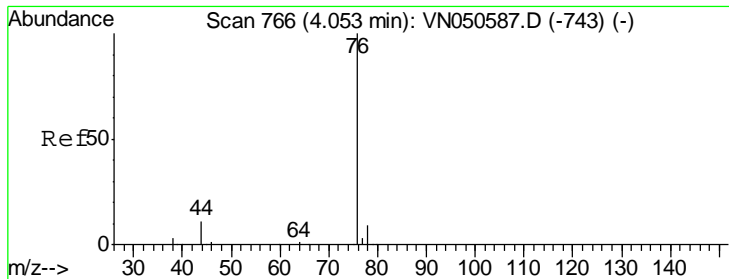
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#16
 Acetone
 Concen: 184.45 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.9	27.1	40.7





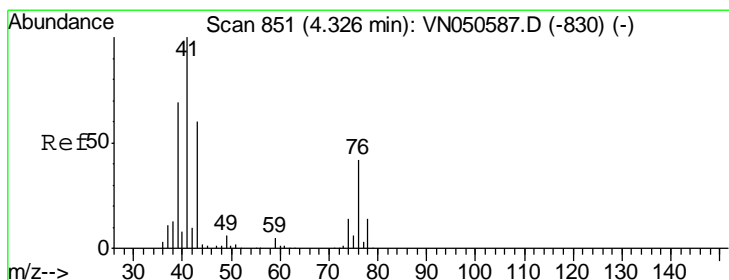
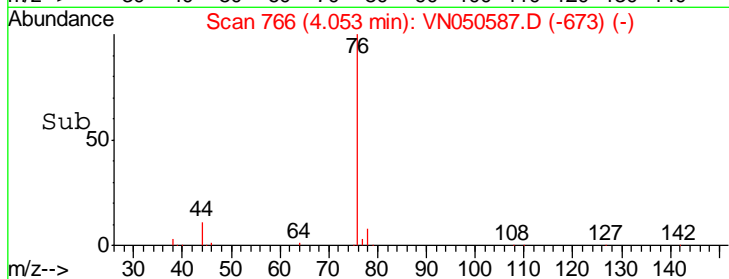
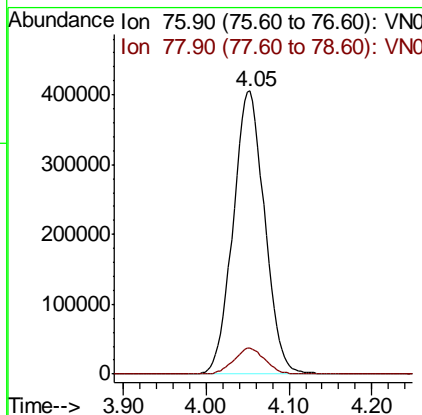
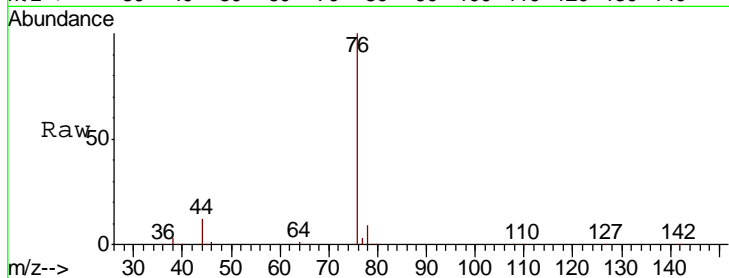
#17
 Carbon Disulfide
 Concen: 45.66 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	1072331		
76	100		
78	9.1	7.3	10.9

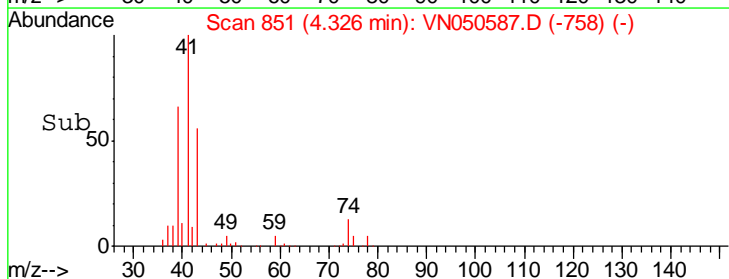
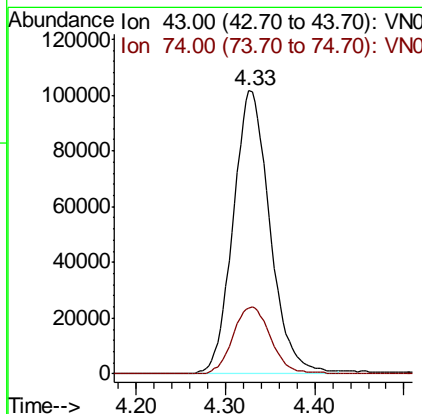
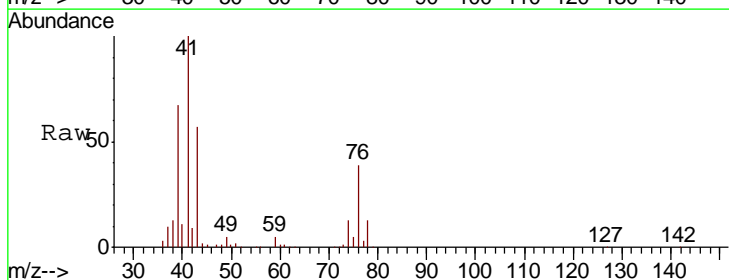
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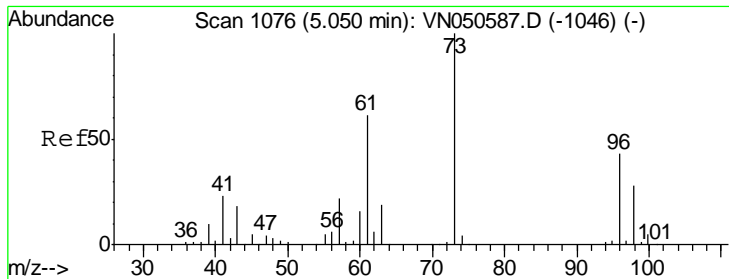
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#18
 Methyl Acetate
 Concen: 36.24 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
43	288390		
43	100		
74	24.6	19.7	29.5





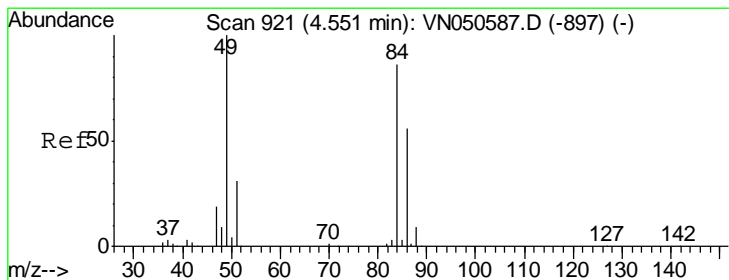
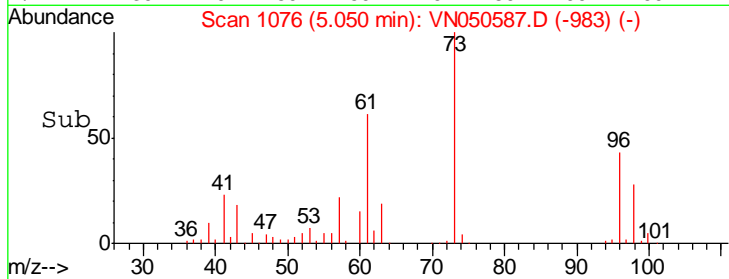
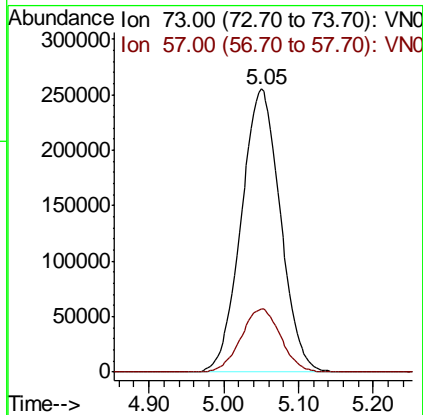
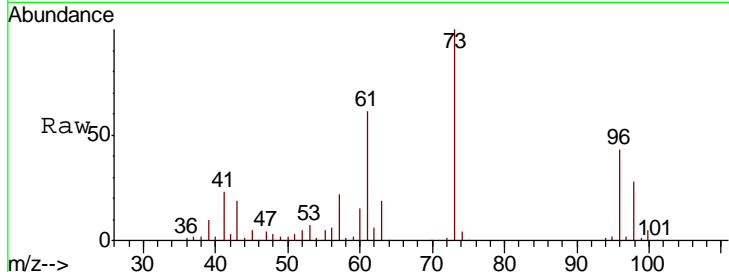
#19
 Methyl tert-butyl Ether
 Concen: 46.02 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.4	17.9	26.9

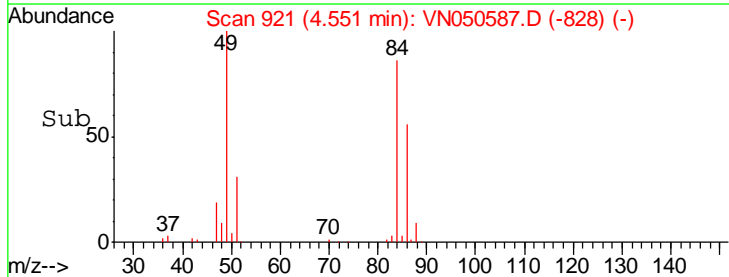
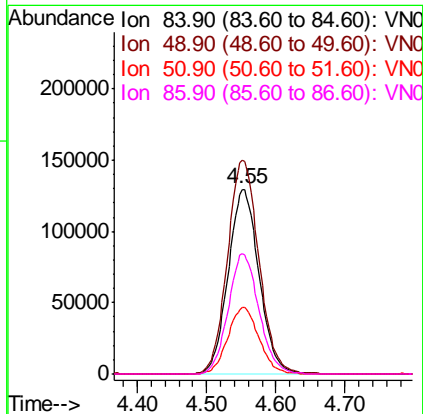
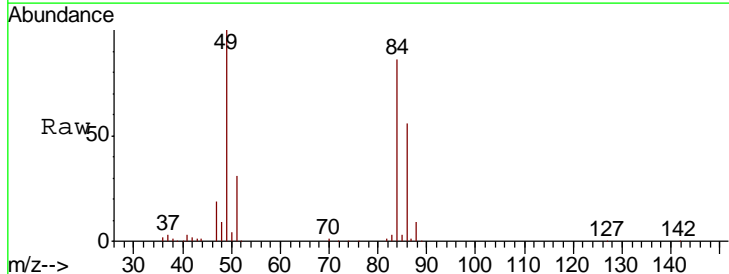
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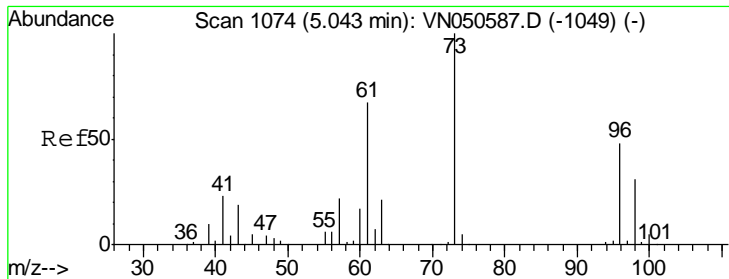
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#20
 Methylene Chloride
 Concen: 40.67 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
84	100		
49	115.7	92.6	138.8
51	35.8	28.6	43.0
86	65.2	52.2	78.2





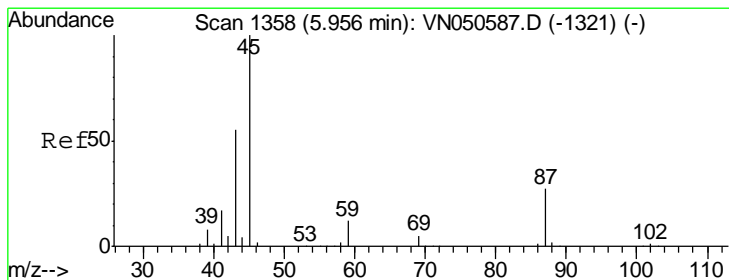
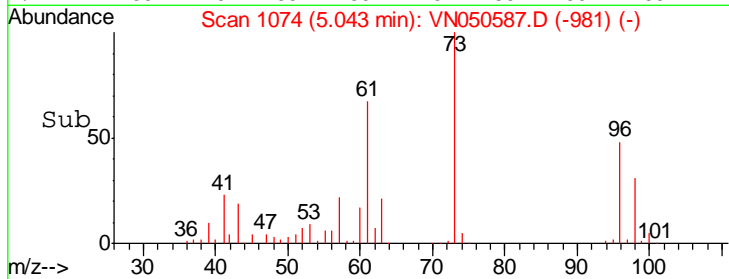
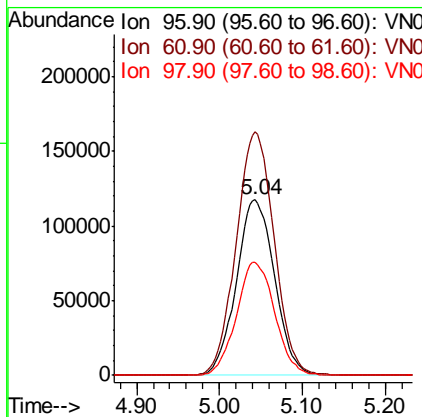
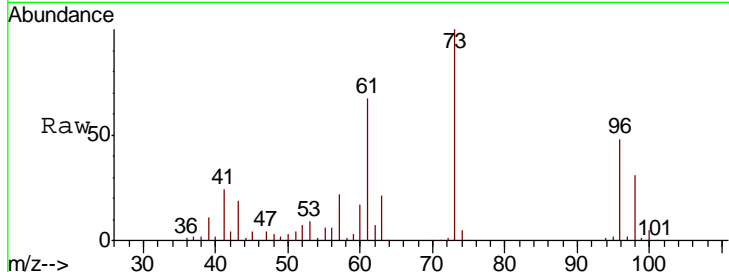
#21
 trans-1,2-Dichloroethene
 Concen: 48.30 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	377135		
96	100		
61	139.0	111.2	166.8
98	64.5	51.6	77.4

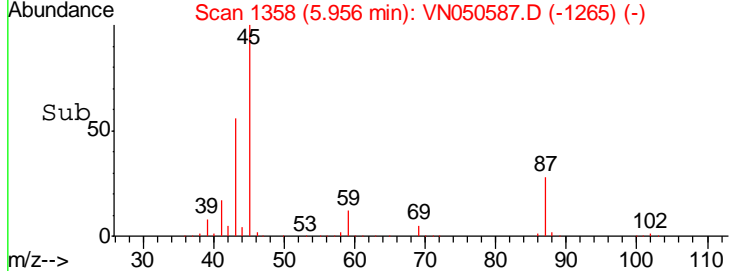
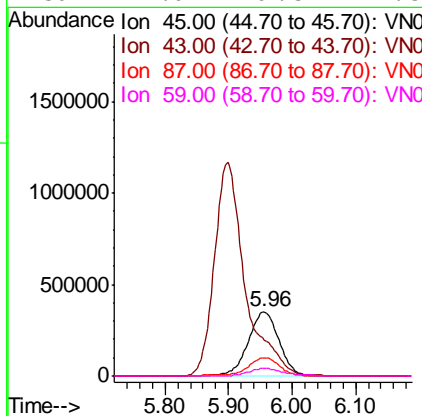
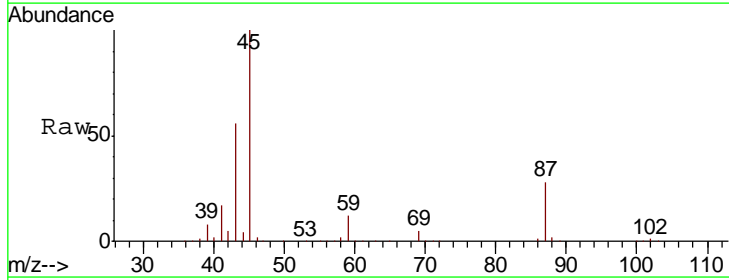
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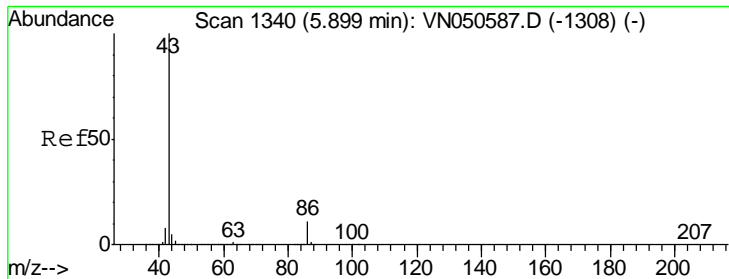
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#22
 Diisopropyl ether
 Concen: 50.30 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
45	1187127		
45	100		
43	55.6	44.5	66.7
87	27.7	22.2	33.2
59	11.9	9.5	14.3





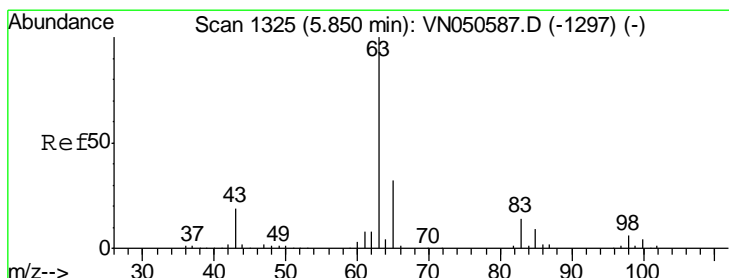
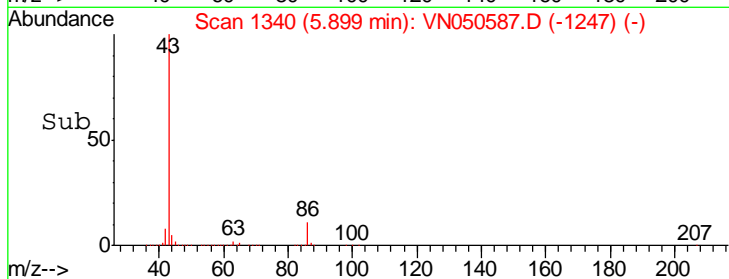
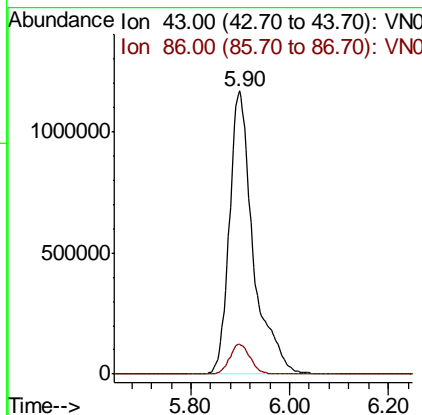
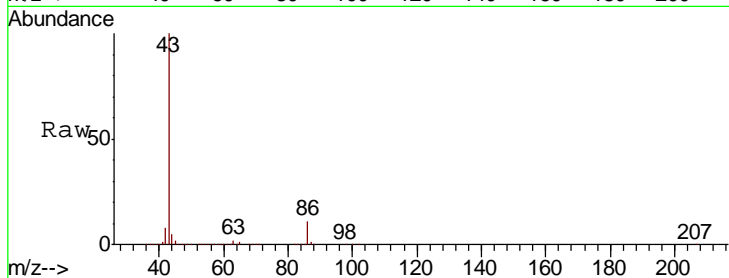
#23
 Vinyl Acetate
 Concen: 236.95 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.5	8.4	12.6

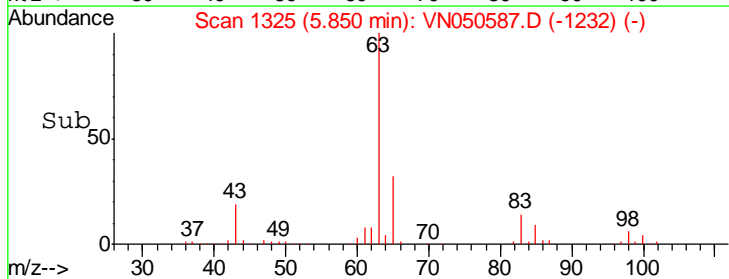
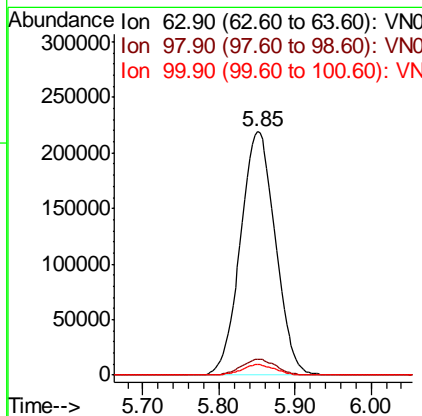
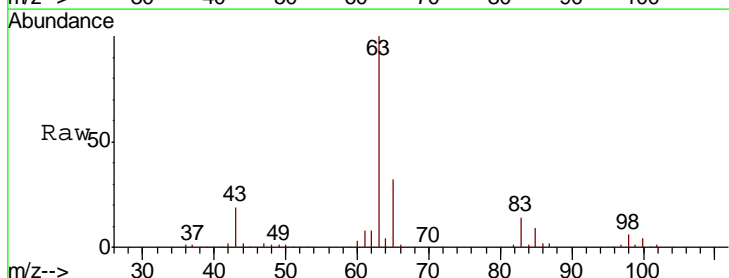
Manual Integrations
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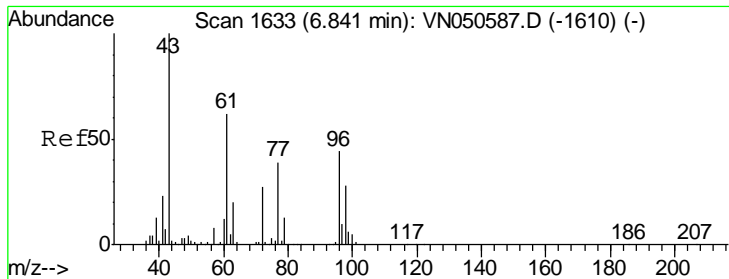
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#24
 1,1-Dichloroethane
 Concen: 48.16 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	4.3	2.1	6.5





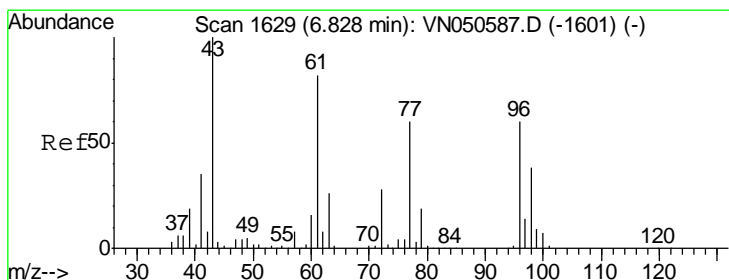
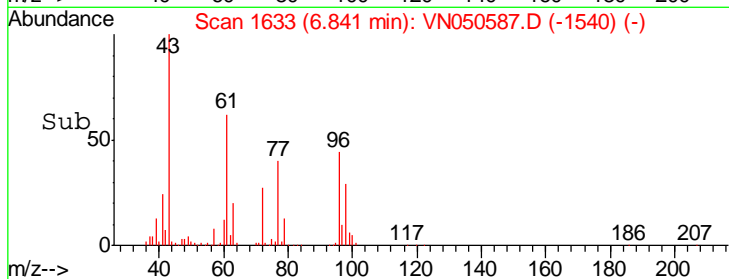
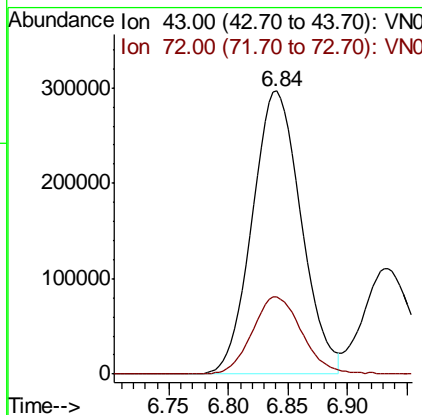
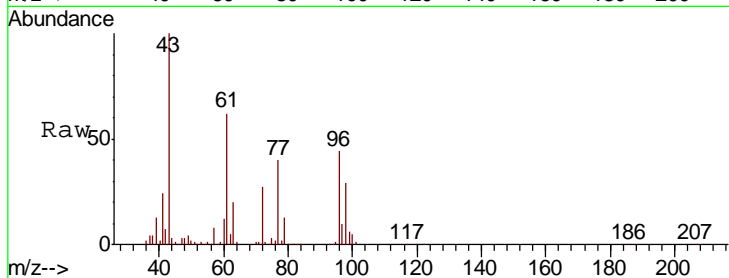
#25
 2-Butanone
 Concen: 198.41 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.2	21.8	32.6

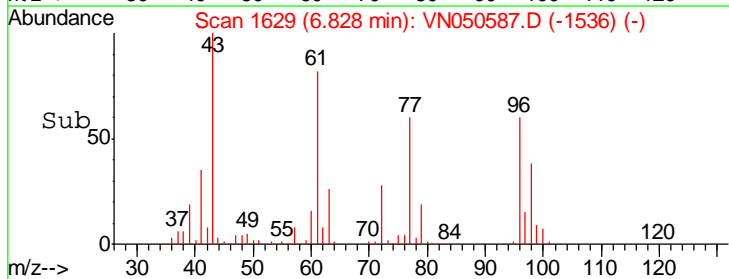
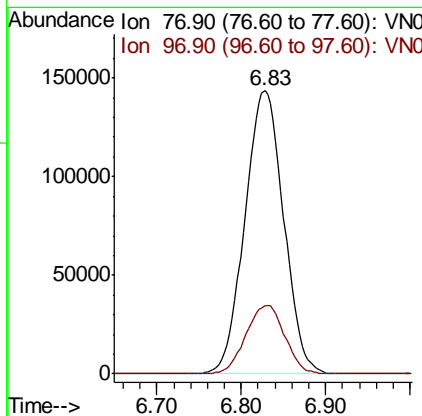
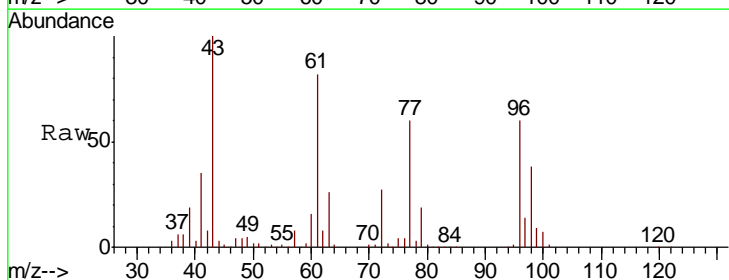
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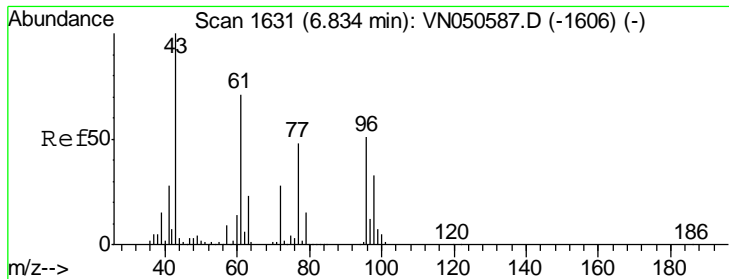
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 39.46 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.3	12.2	36.4





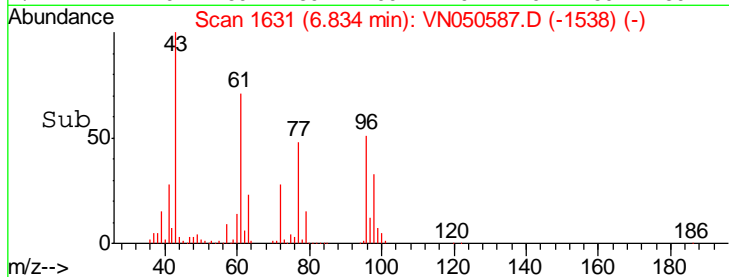
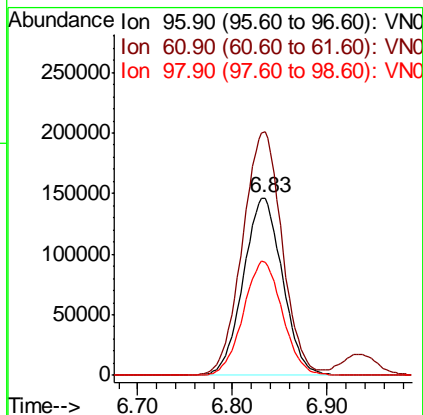
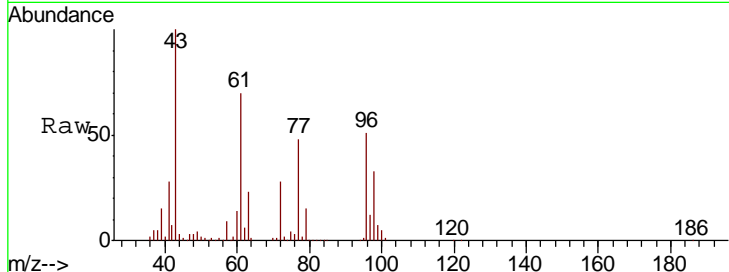
#27
 cis-1,2-Dichloroethene
 Concen: 48.62 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	420151		
96	100		
61	139.1	0.0	278.2
98	64.4	0.0	128.8

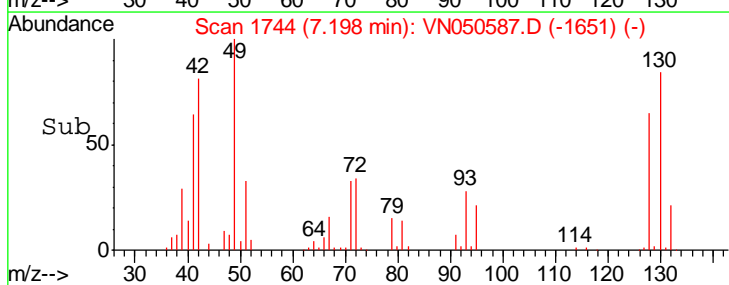
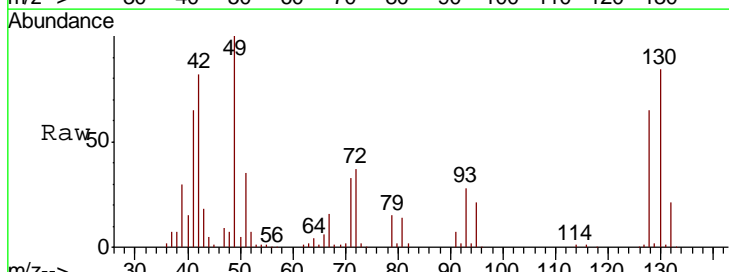
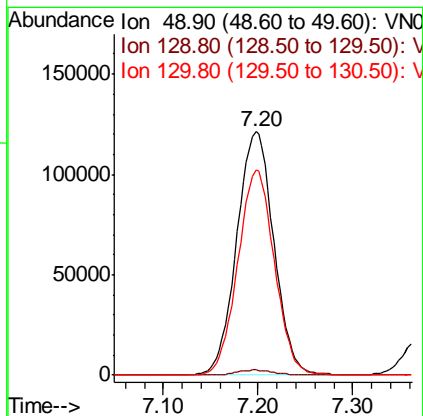
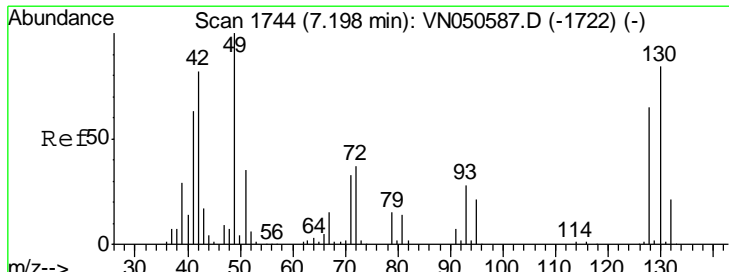
Manual Integrations
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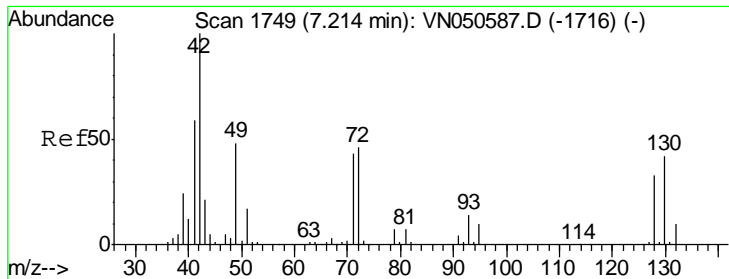
MMDadoda
 8/15/2018 3:21:11 PM



#28
 Bromochloromethane
 Concen: 49.28 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
49	329992		
49	100		
129	2.1	0.0	4.2
130	83.5	66.8	100.2





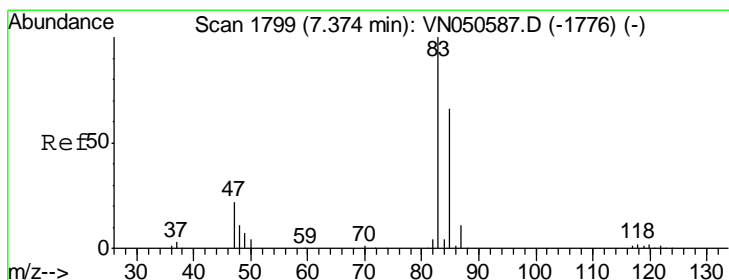
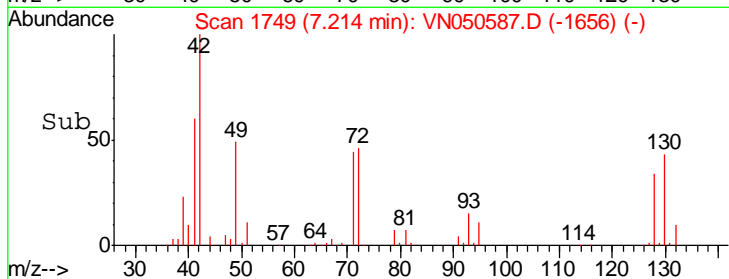
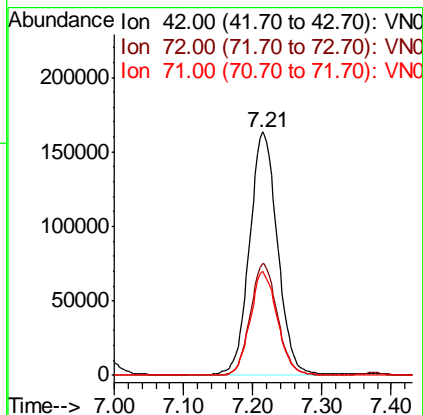
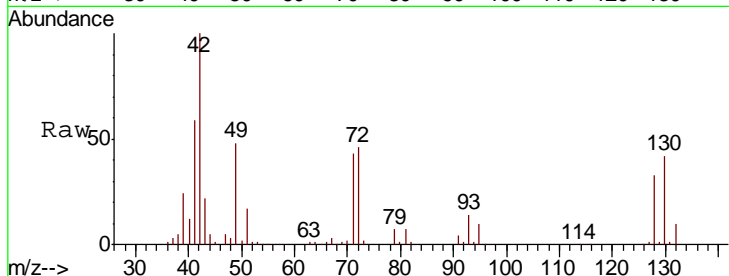
#29
 Tetrahydrofuran
 Concen: 200.08 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
42	100		
72	44.7	35.8	53.6
71	41.7	33.4	50.0

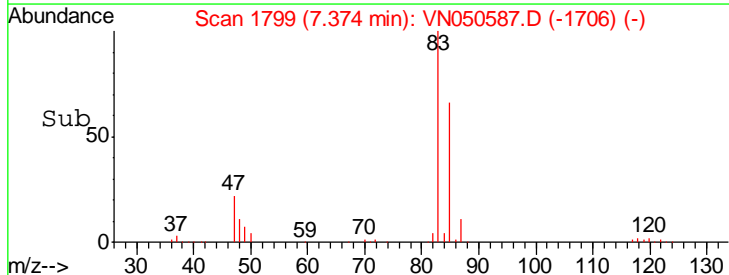
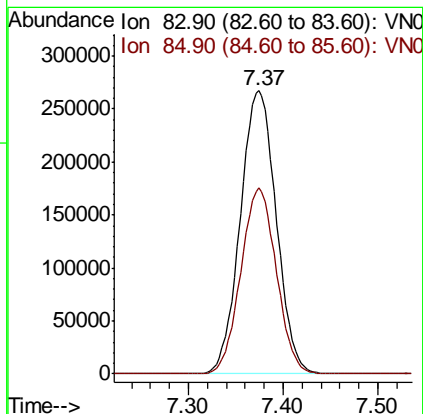
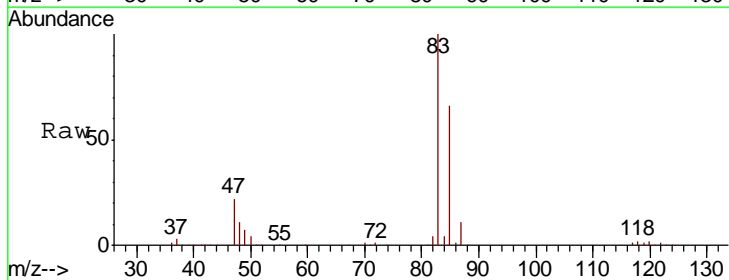
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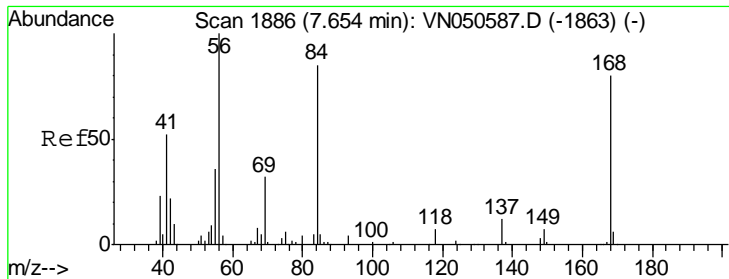
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 8/15/2018 3:21:11 PM



#30
 Chloroform
 Concen: 48.53 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.6	52.5	78.7





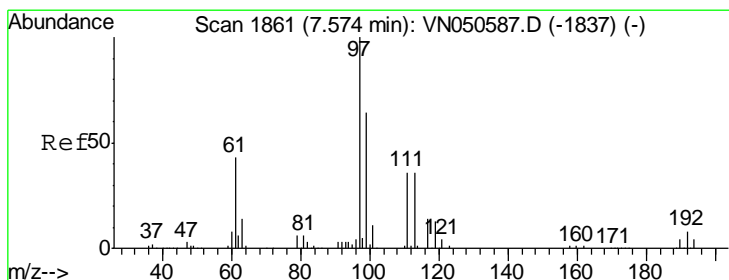
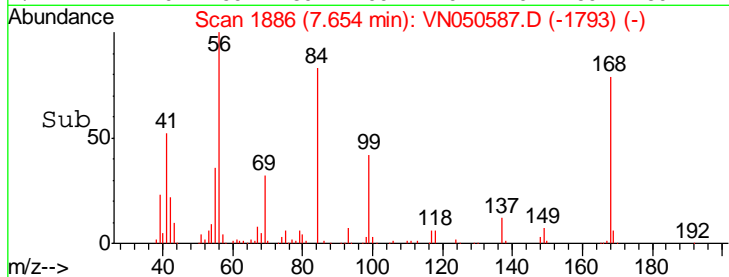
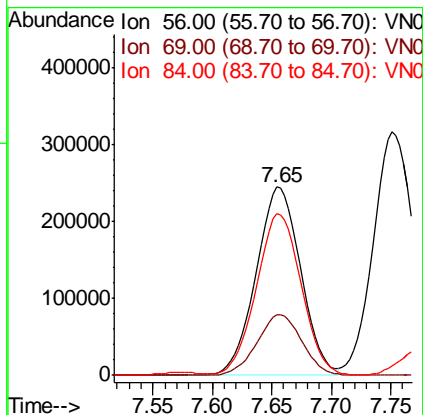
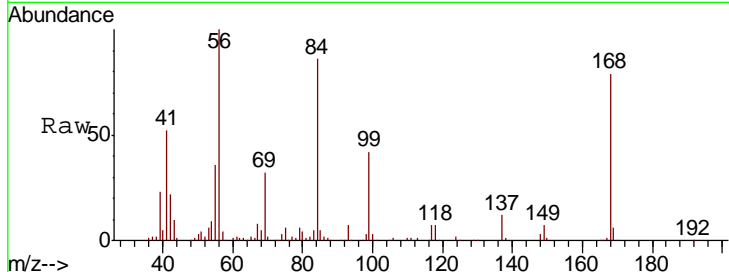
#31
 Cyclohexane
 Concen: 43.70 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	32.2	25.8	38.6
84	84.7	67.8	101.6

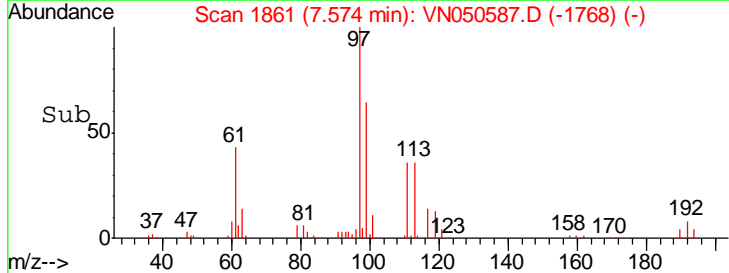
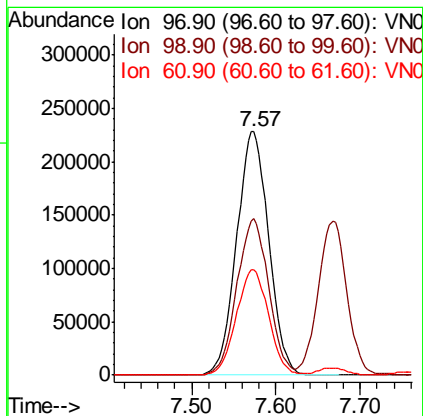
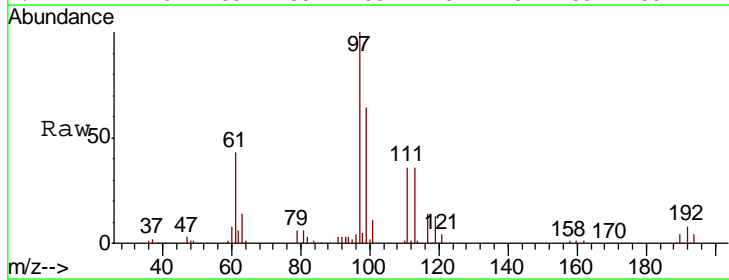
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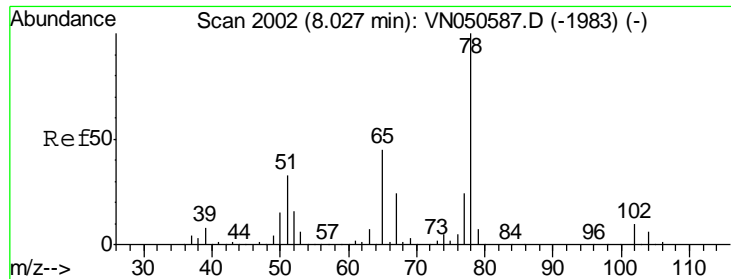
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#32
 1,1,1-Trichloroethane
 Concen: 48.56 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	43.5	34.8	52.2





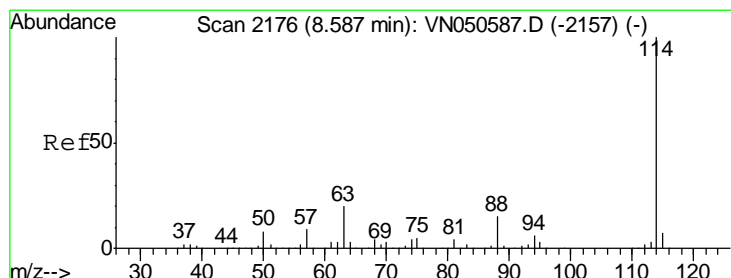
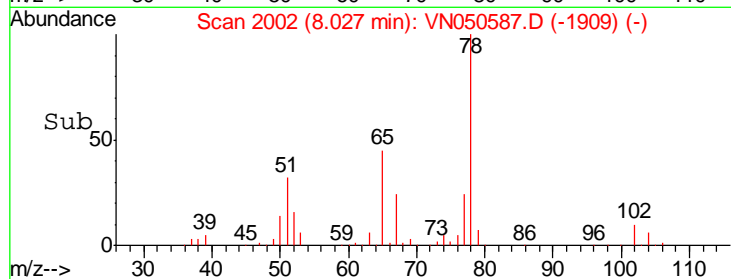
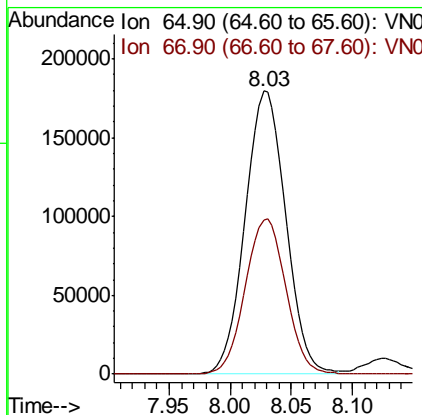
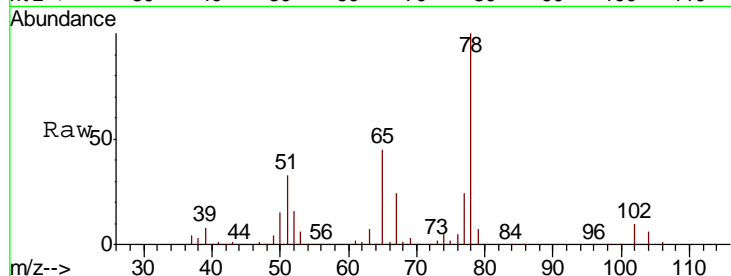
#33
 1,2-Dichloroethane-d4
 Concen: 46.73 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.9	0.0	109.8

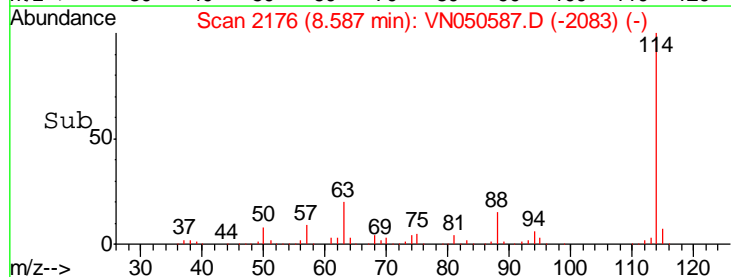
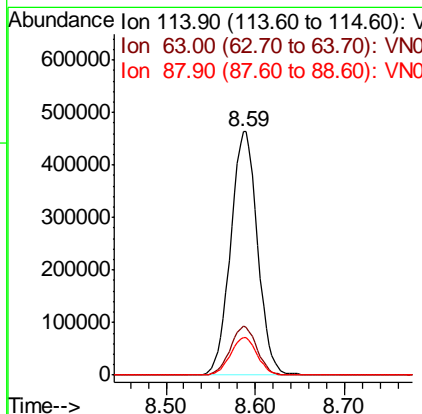
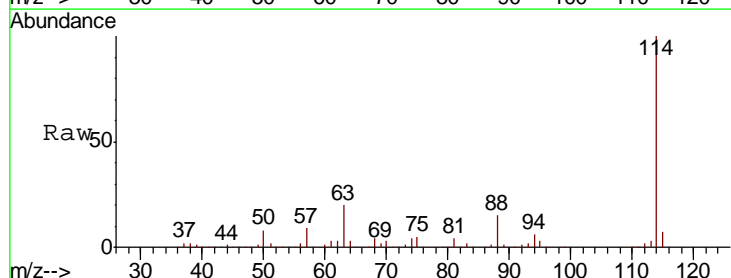
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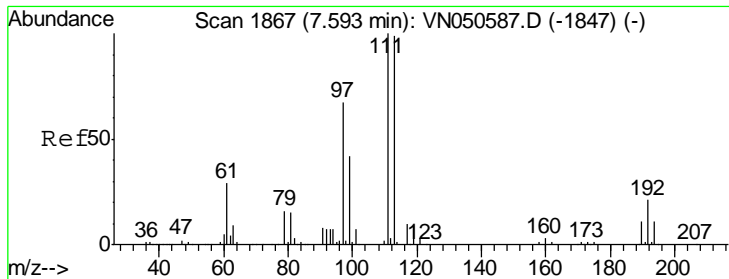
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	15.4	0.0	30.8





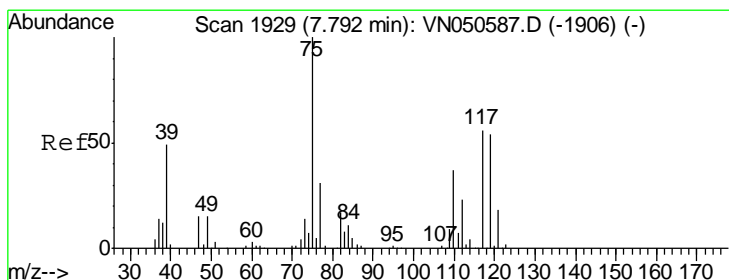
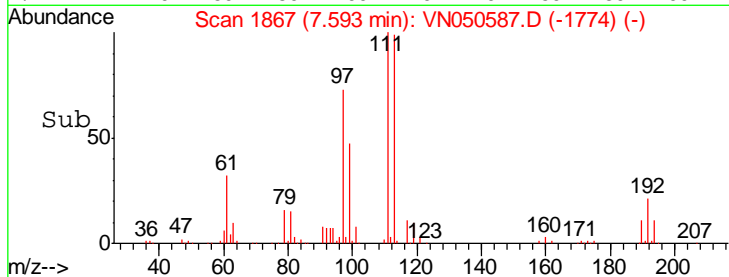
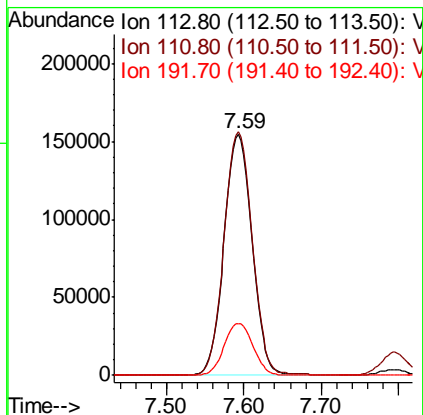
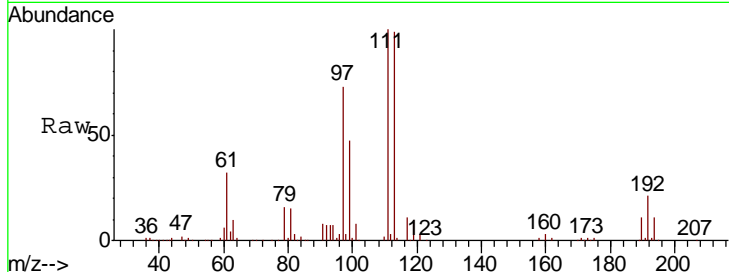
#35
 Dibromofluoromethane
 Concen: 50.18 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
113	100		
111	101.3	81.0	121.6
192	22.0	17.6	26.4

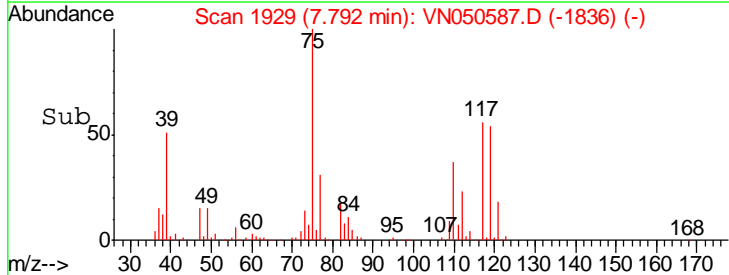
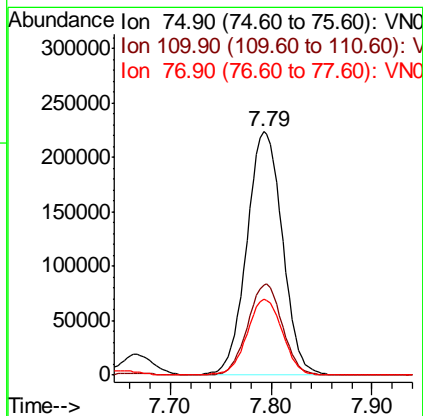
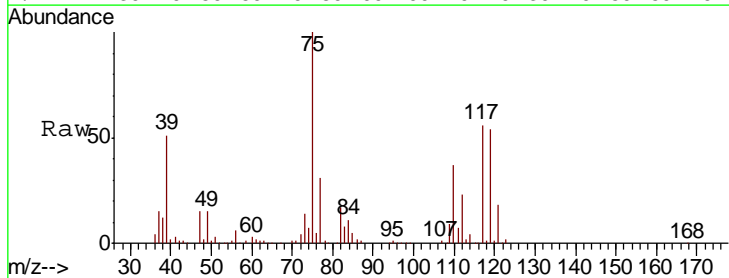
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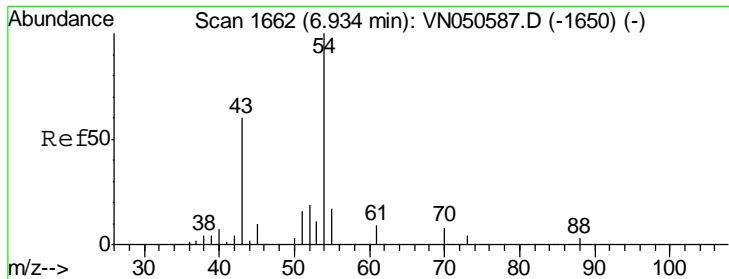
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#36
 1,1-Dichloropropene
 Concen: 51.38 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
75	100		
110	36.6	18.3	54.9
77	31.2	25.0	37.4





#37
 Ethyl Acetate
 Concen: 42.72 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

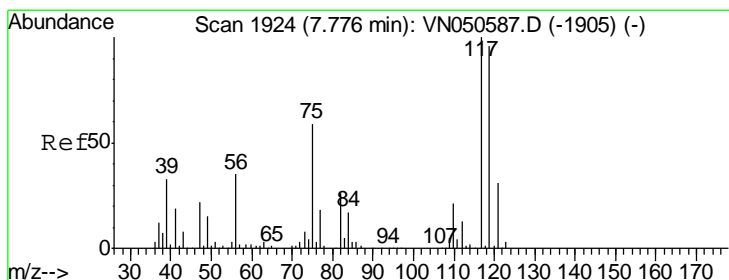
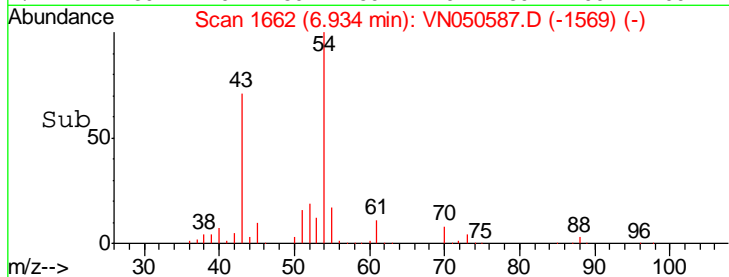
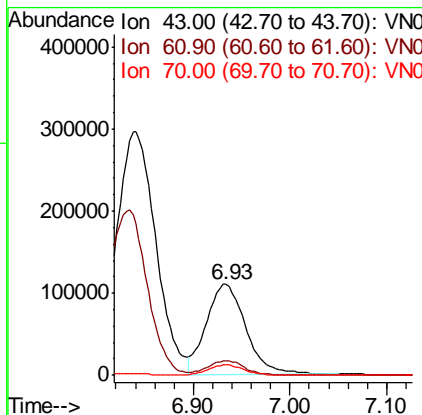
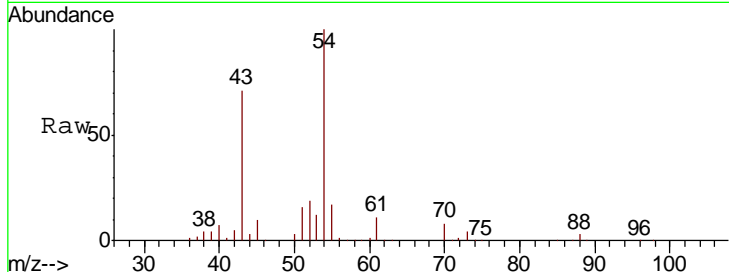
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion: 43 Resp: 313200

Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	10.6	8.5	12.7

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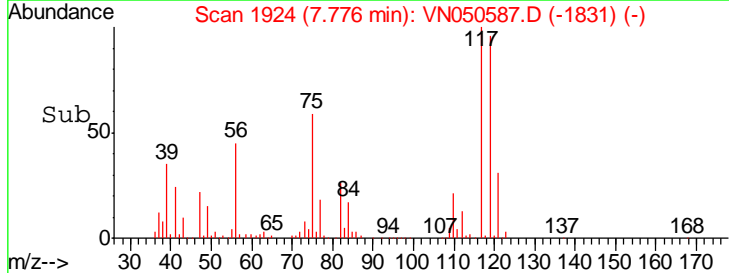
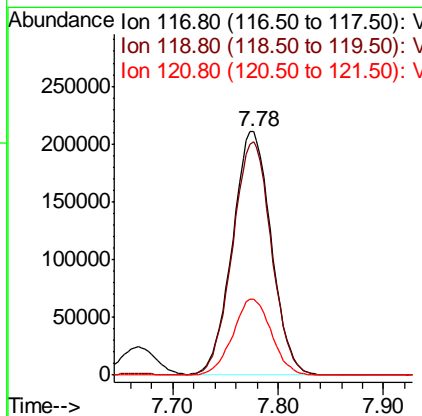
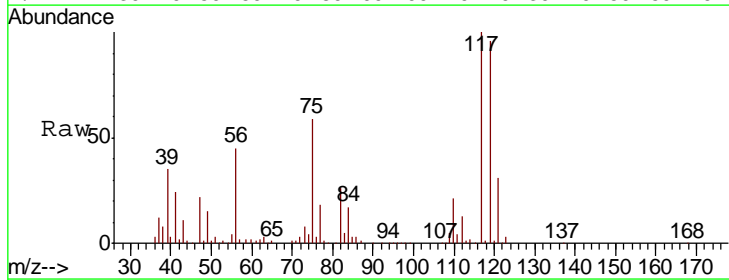
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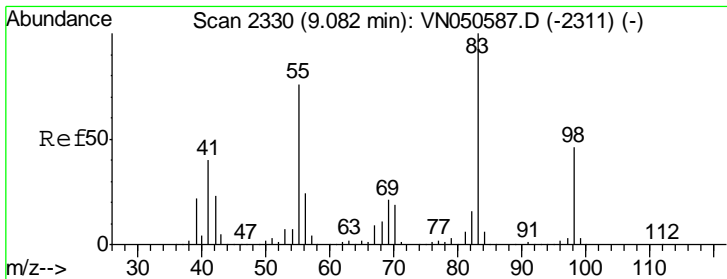


#38
 Carbon Tetrachloride
 Concen: 48.59 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 117 Resp: 536933

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	31.3	25.0	37.6





#39
 Methylcyclohexane
 Concen: 51.26 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

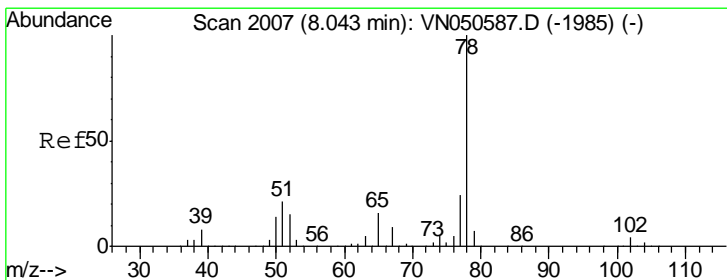
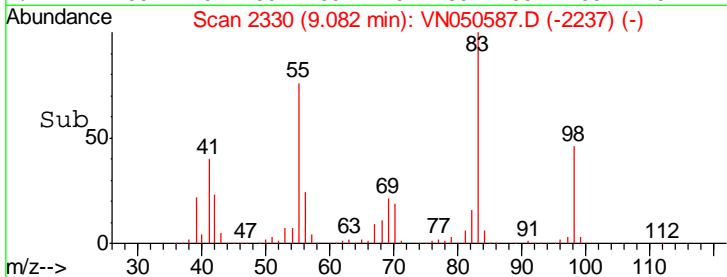
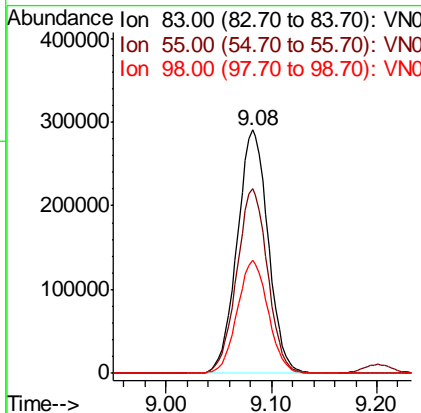
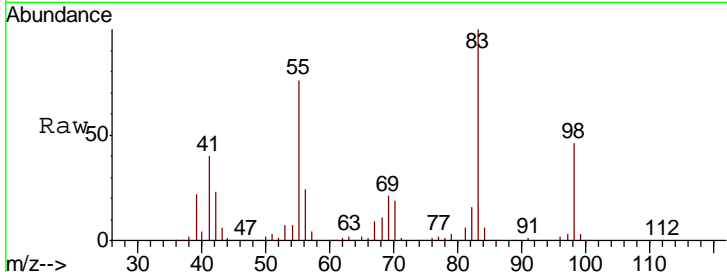
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion: 83 Resp: 592507

Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.6	91.0
98	46.2	37.0	55.4

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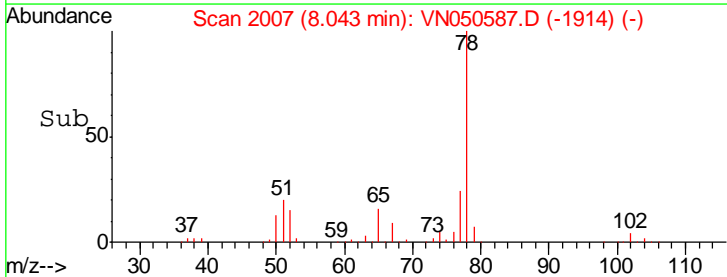
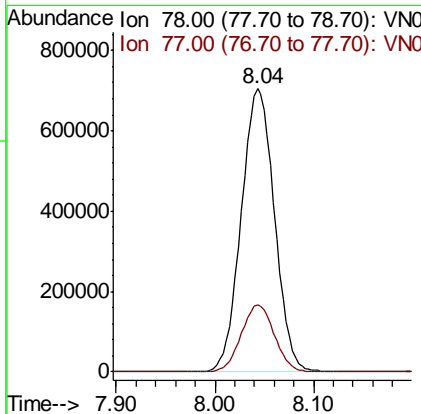
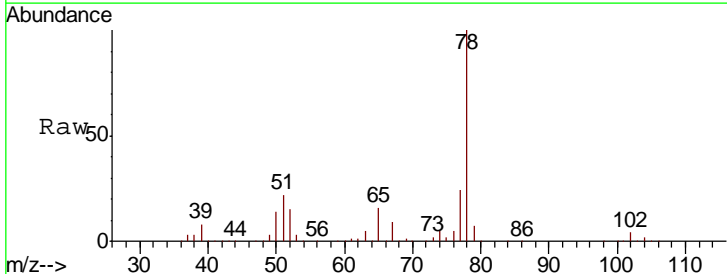
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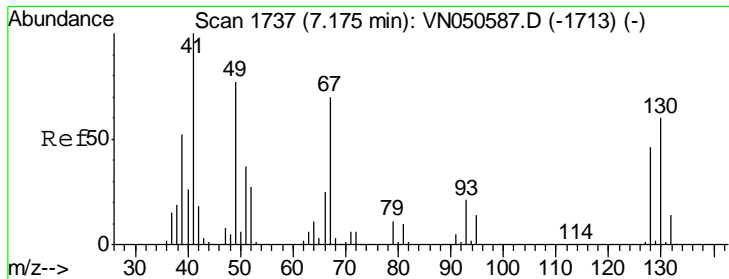


#40
 Benzene
 Concen: 50.29 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 78 Resp: 1640352

Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41
 Methacrylonitrile
 Concen: 44.07 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

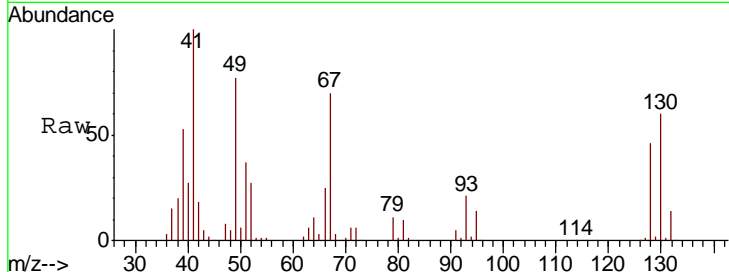
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion: 41 Resp: 174455

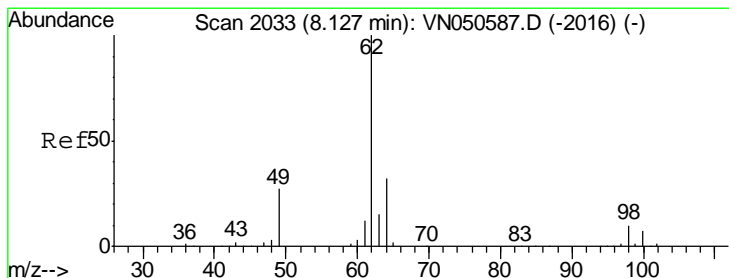
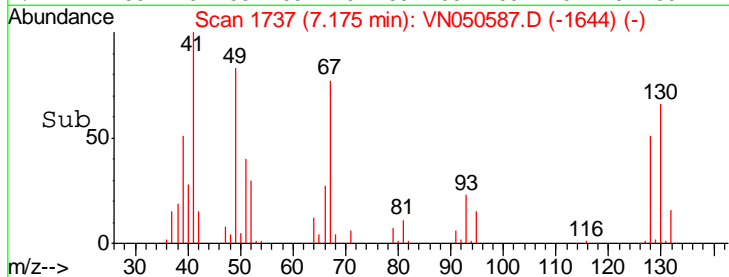
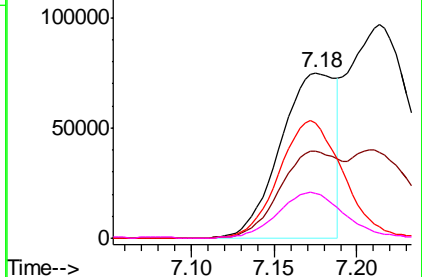
Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.6	66.8
67	83.4	66.7	100.1
52	33.1	26.5	39.7

Manual Integrations
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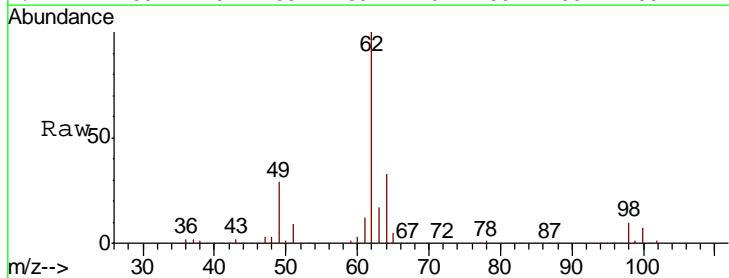
Abundance Ion 41.00 (40.70 to 41.70): VNC
 150000 Ion 39.00 (38.70 to 39.70): VNC
 Ion 67.00 (66.70 to 67.70): VNC
 Ion 52.00 (51.70 to 52.70): VNC



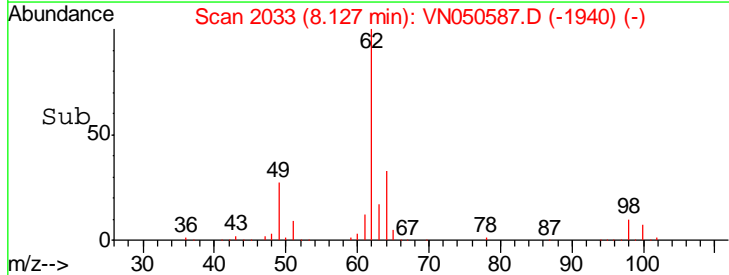
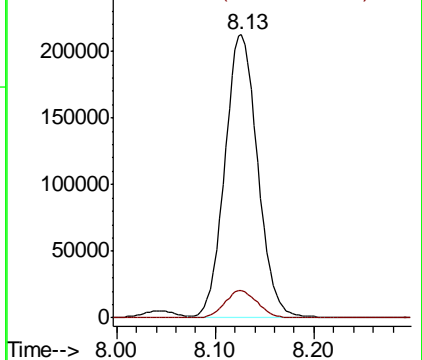
#42
 1,2-Dichloroethane
 Concen: 47.90 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

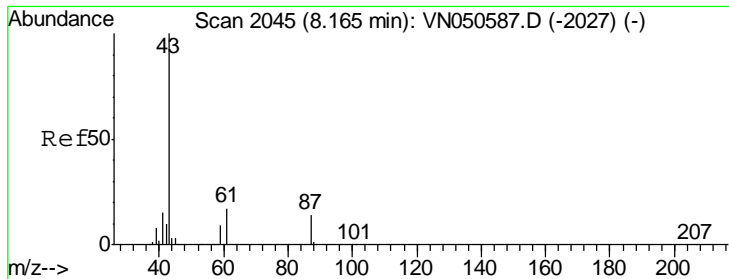
Tgt Ion: 62 Resp: 491363

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
 250000 Ion 97.90 (97.60 to 98.60): VNC





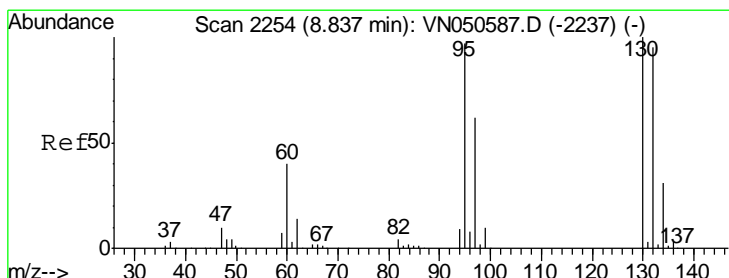
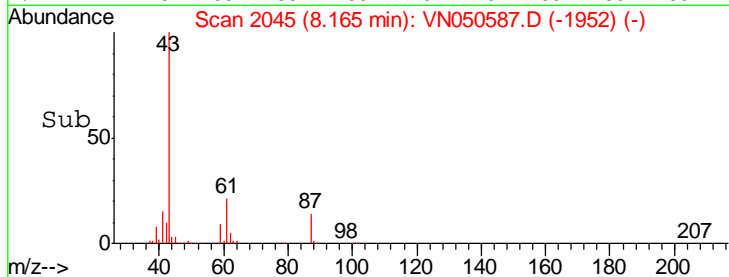
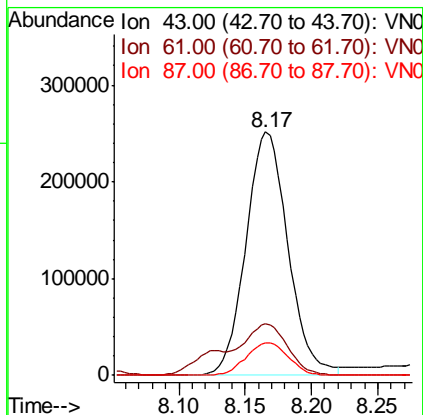
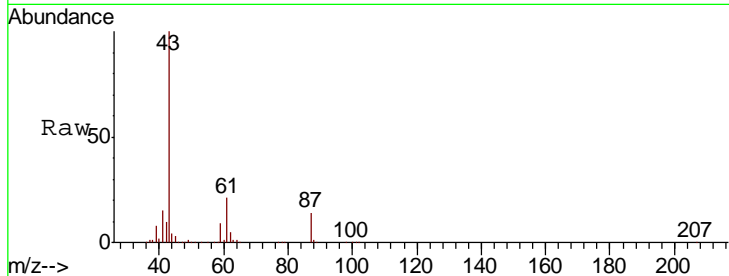
#43
 Isopropyl Acetate
 Concen: 43.25 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.2	16.2	24.2
87	13.6	10.9	16.3

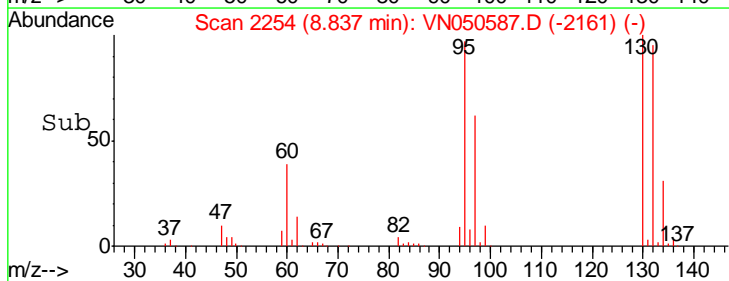
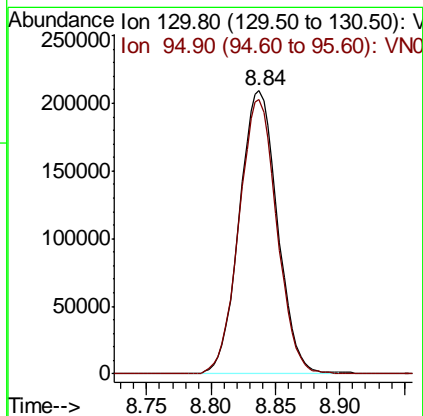
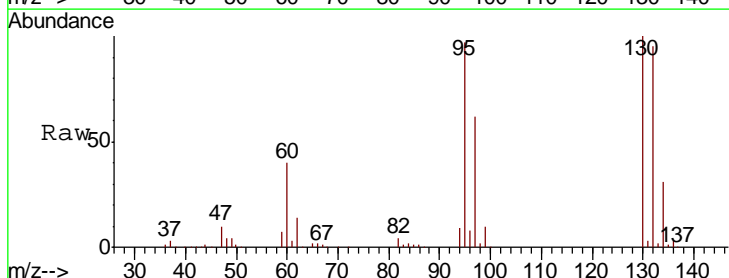
Manual Integrations
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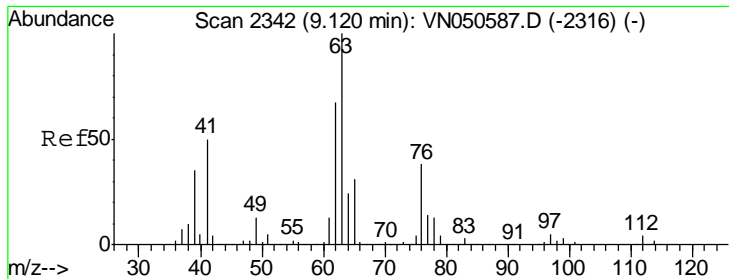
MMDadoda
 8/15/2018 3:21:11 PM



#44
 Trichloroethene
 Concen: 49.10 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.9	0.0	193.8





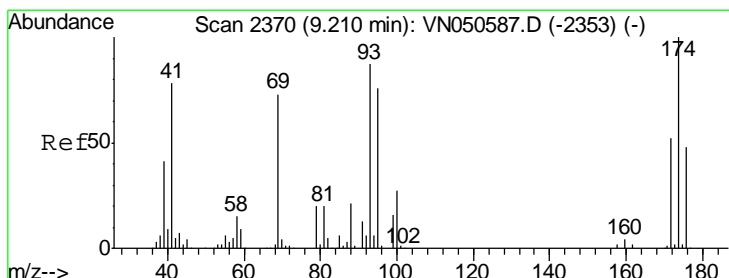
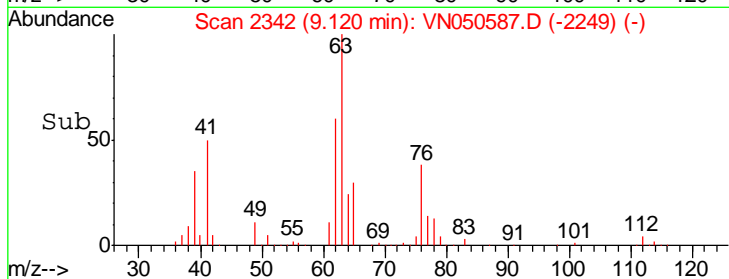
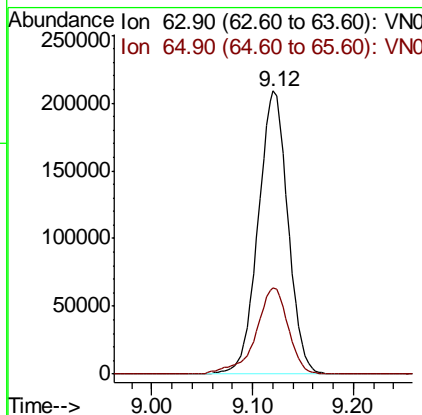
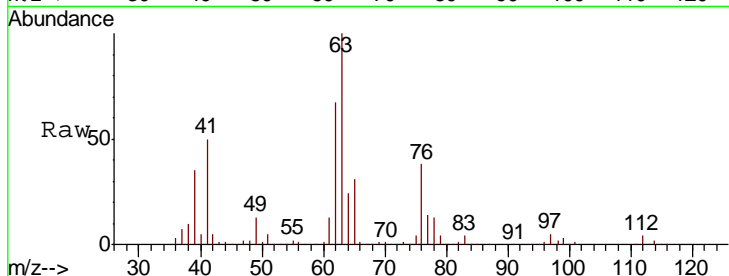
#45
 1,2-Dichloropropane
 Concen: 49.93 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.6	24.5	36.7

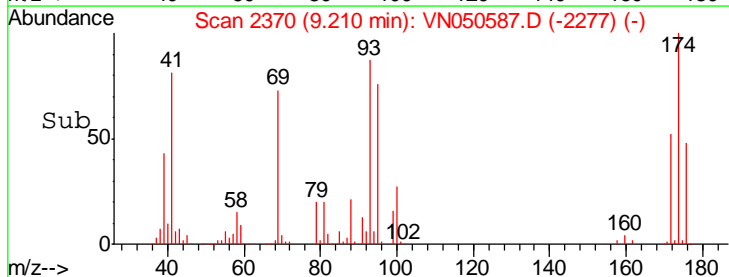
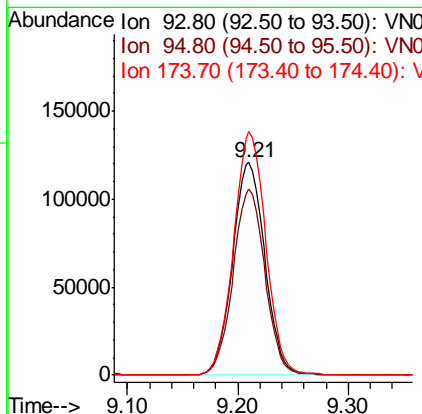
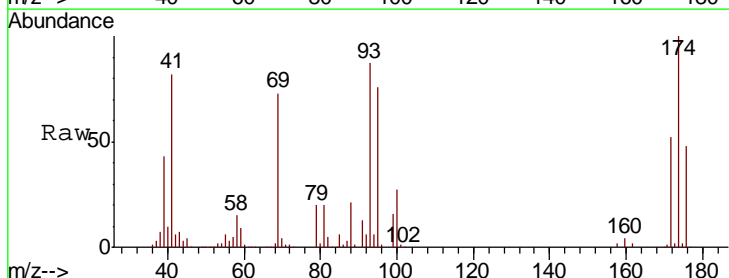
Manual Integrations
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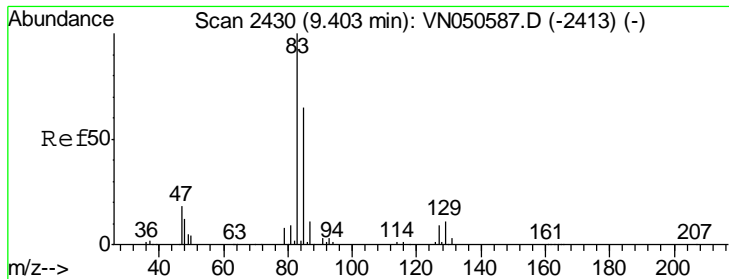
MMDadoda
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#46
 Dibromomethane
 Concen: 46.96 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
93	100		
95	86.4	69.1	103.7
174	113.8	91.0	136.6





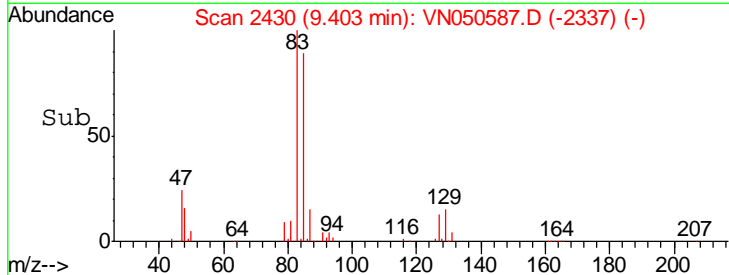
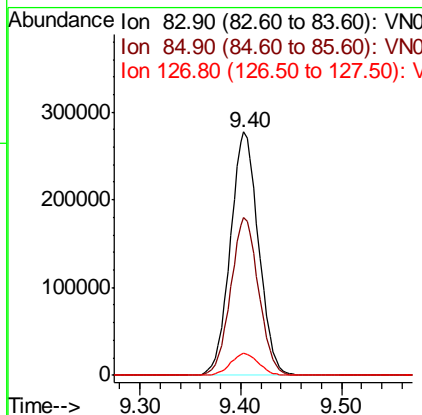
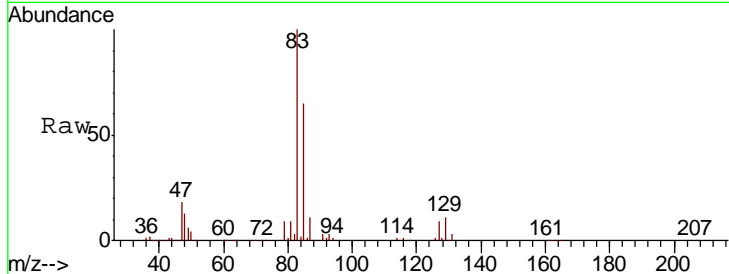
#47
 Bromodichloromethane
 Concen: 49.17 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	9.0	7.2	10.8

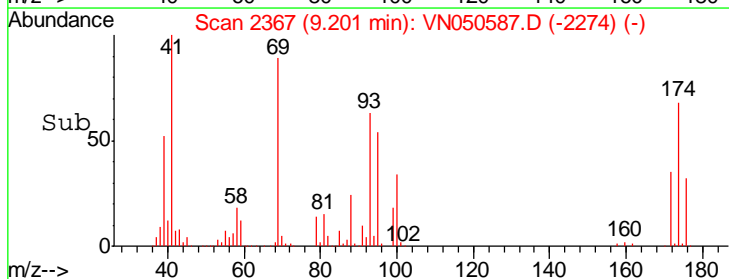
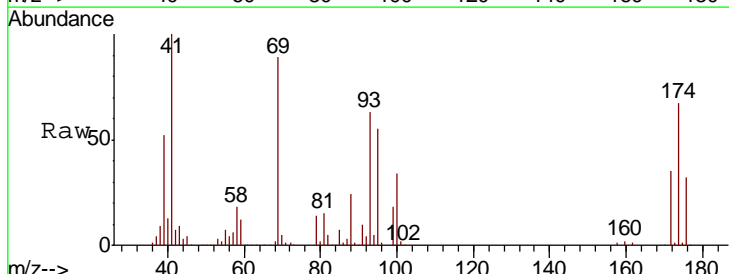
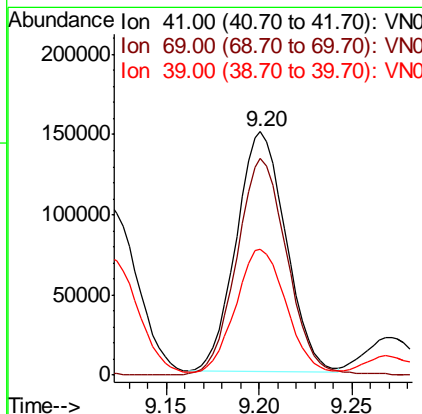
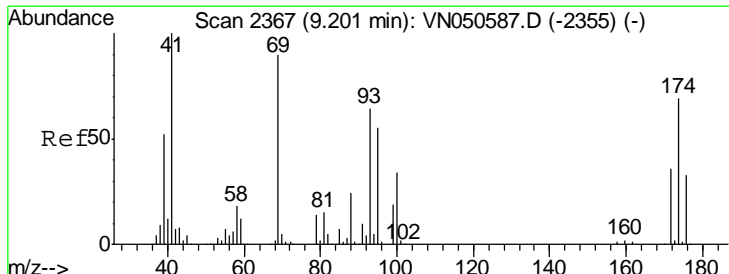
Manual Integrations
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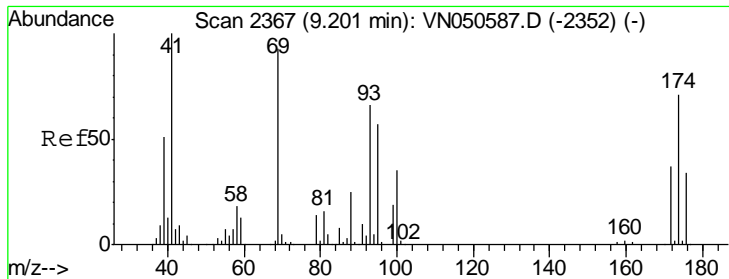
MMDadoda
 8/15/2018 3:21:11 PM



#48
 Methyl methacrylate
 Concen: 43.62 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
41	100		
69	91.7	73.4	110.0
39	53.8	43.0	64.6





#49
 1,4-Dioxane
 Concen: 766.12 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

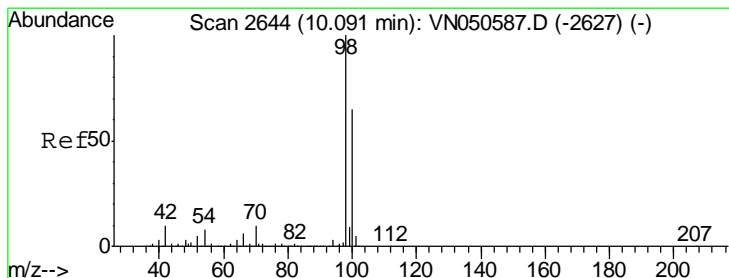
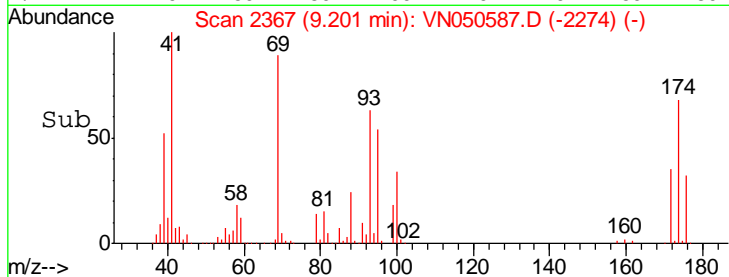
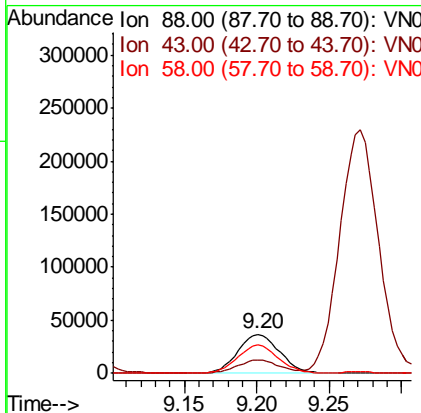
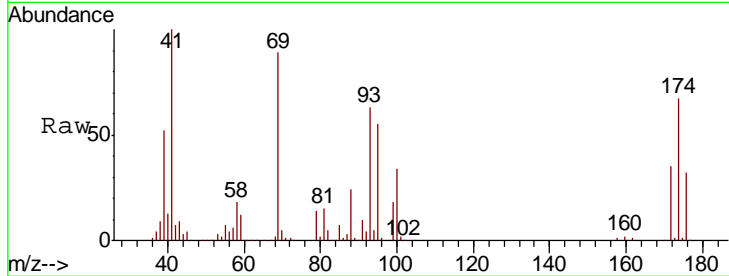
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion: 88 Resp: 74392

Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.9	38.9
58	70.6	56.5	84.7

Manual Integrations
 APPROVED

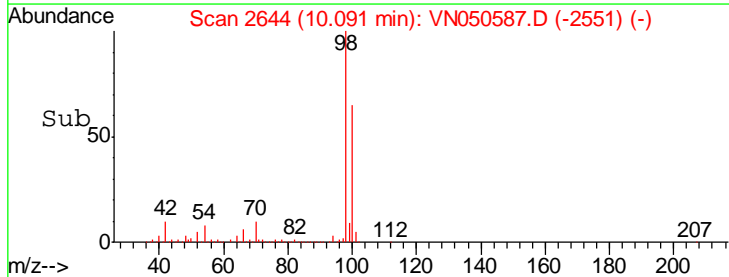
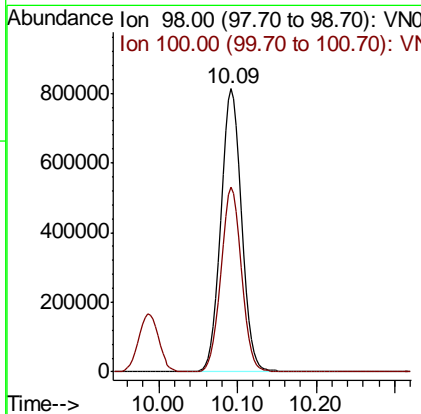
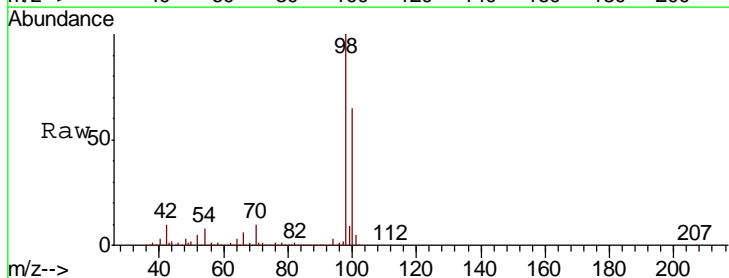
MMDadoda
 8/15/2018 3:21:11 PM

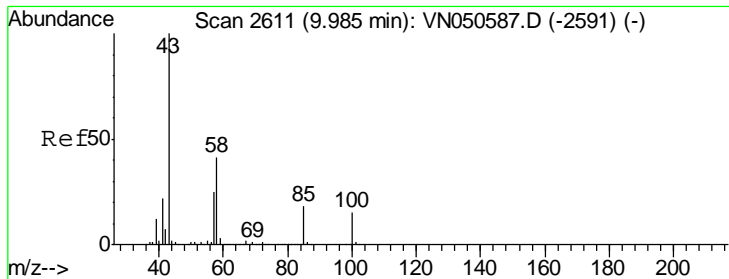


#50
 Toluene-d8
 Concen: 50.50 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 98 Resp: 1472734

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





#51
 4-Methyl-2-Pentanone
 Concen: 213.24 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

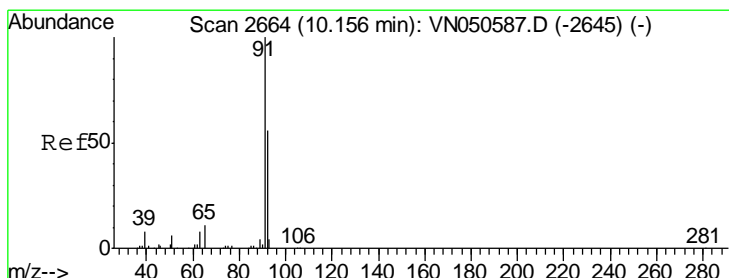
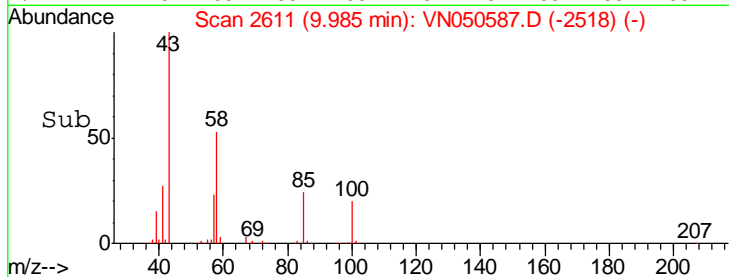
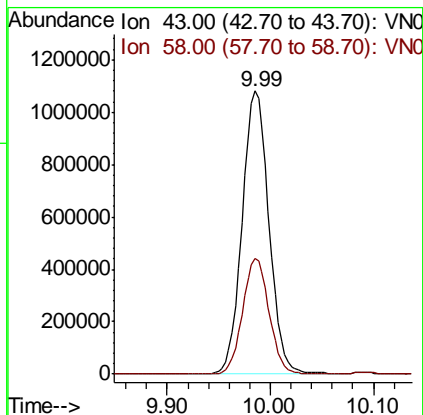
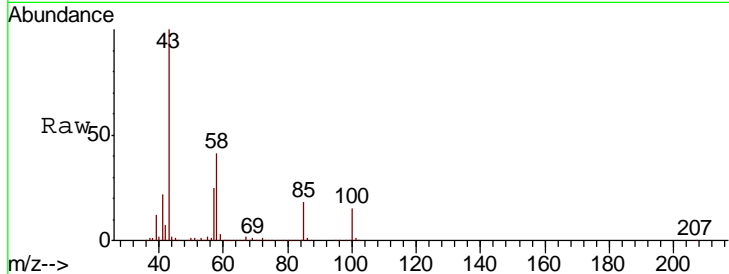
Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion: 43 Resp: 1948296

Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.5	48.7

Manual Integrations
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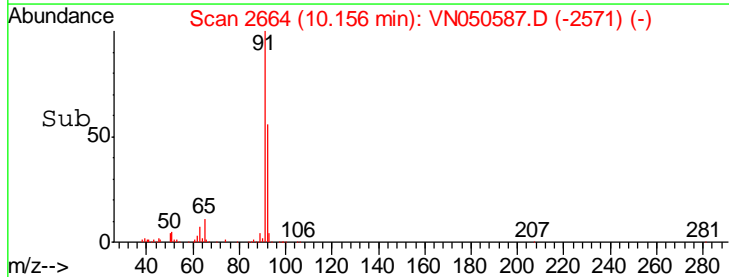
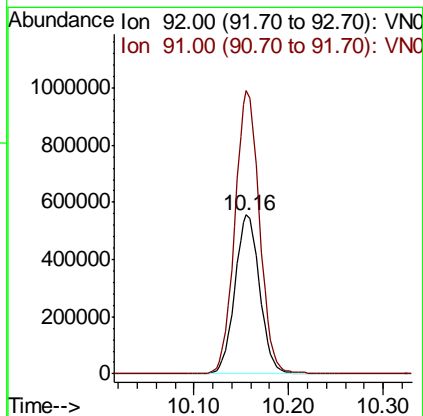
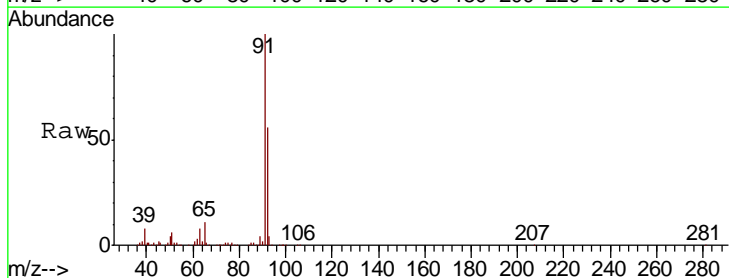
MMDadoda
 8/15/2018 3:21:11 PM

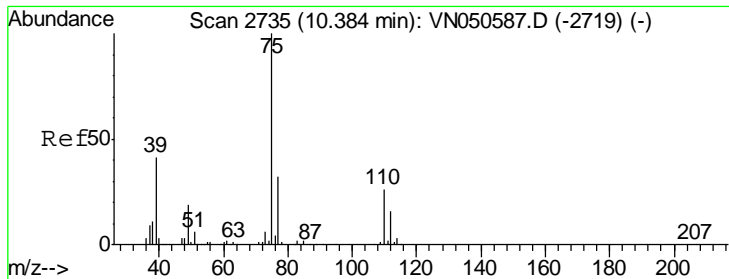


#52
 Toluene
 Concen: 51.57 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 92 Resp: 1009074

Ion	Ratio	Lower	Upper
92	100		
91	177.4	141.9	212.9





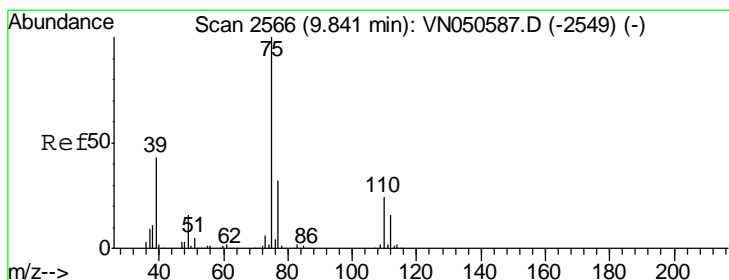
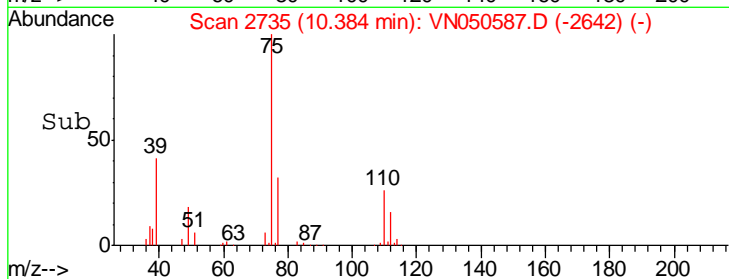
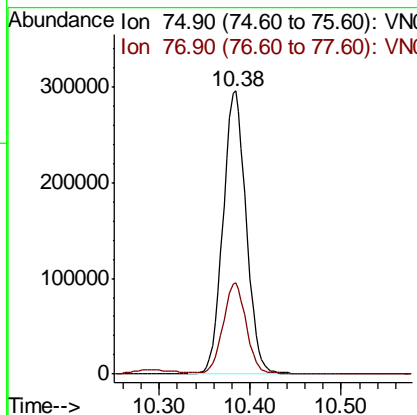
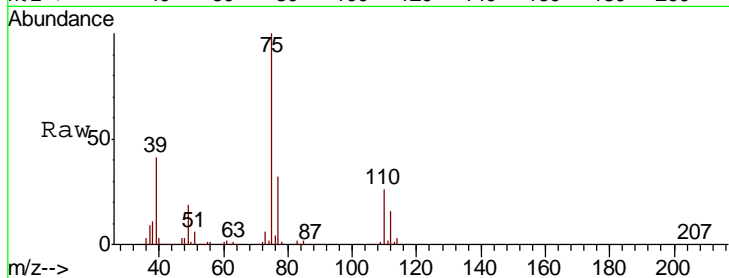
#53
 t-1,3-Dichloropropene
 Concen: 48.09 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	522887		
75	100		
77	32.2	25.8	38.6

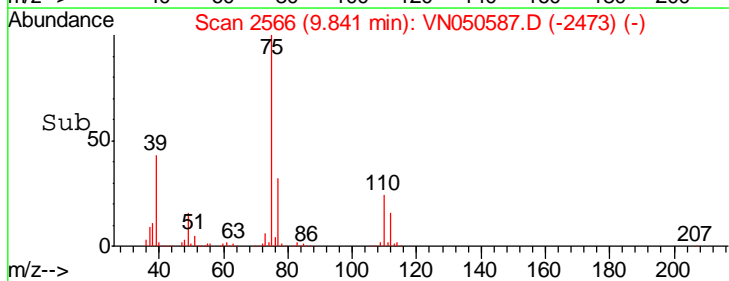
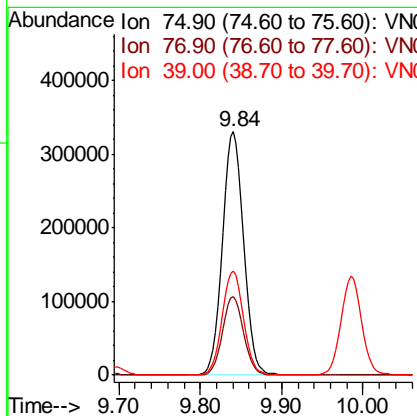
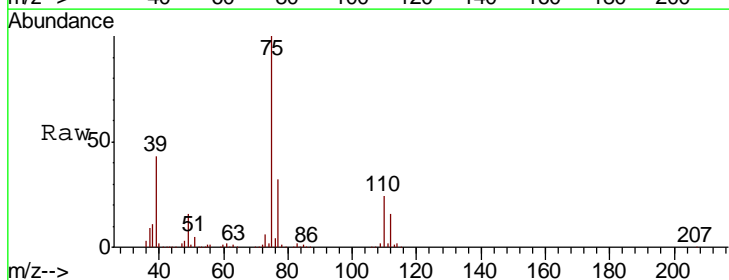
Manual Integrations
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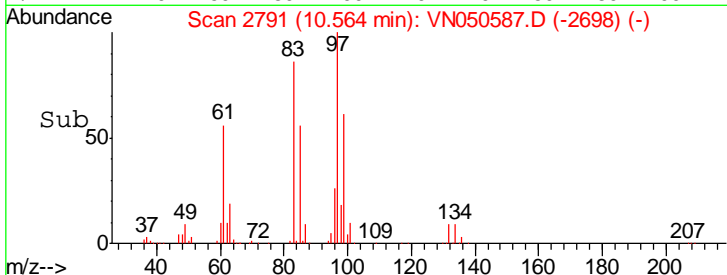
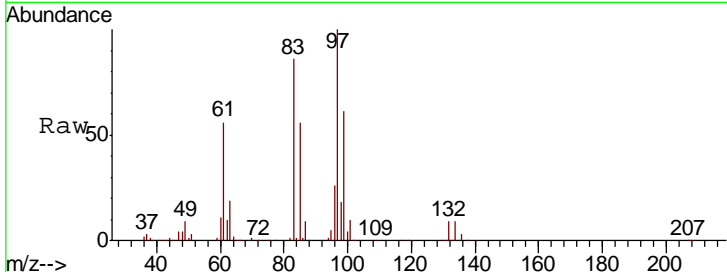
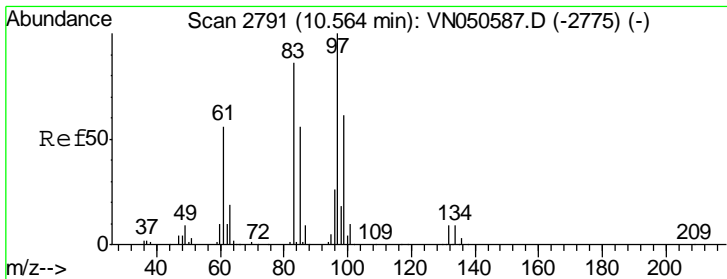
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#54
 cis-1,3-Dichloropropene
 Concen: 50.16 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

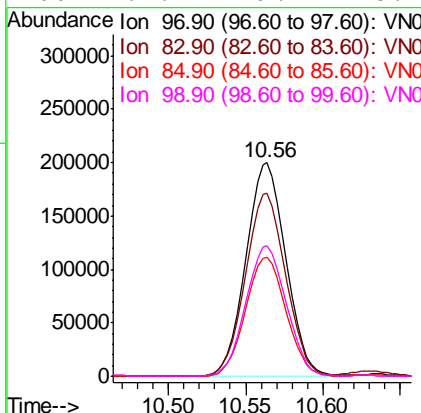
Tgt Ion	Resp	Lower	Upper
75	611874		
75	100		
77	32.0	25.6	38.4
39	43.0	34.4	51.6





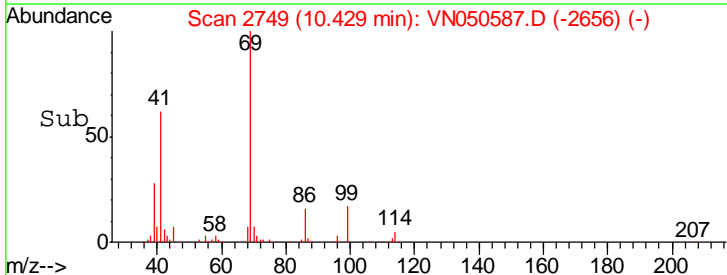
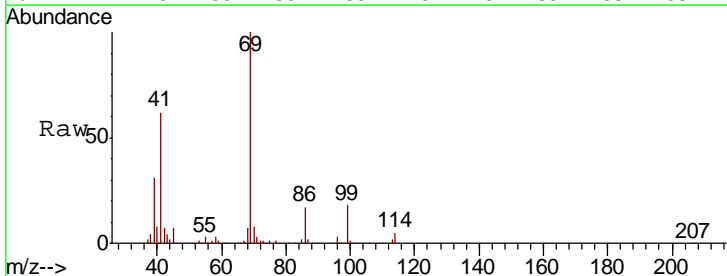
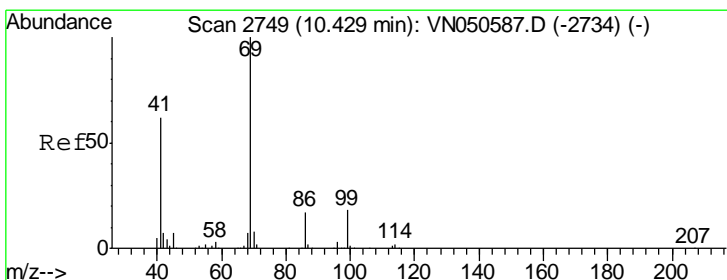
#55
 1,1,2-Trichloroethane
 Concen: 47.44 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
97	359193		
97	100		
83	85.6	68.5	102.7
85	55.7	44.6	66.8
99	61.4	49.1	73.7



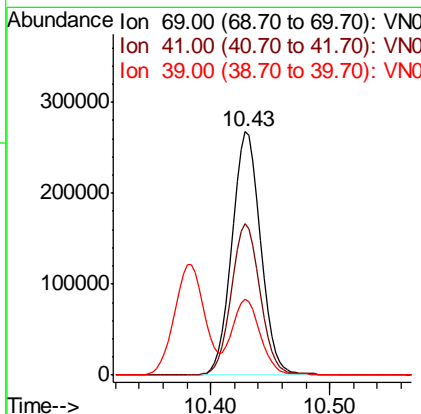
Instrument : MSVOA_N
 Client Sampled : VN050587.D
 VSTDICCC050

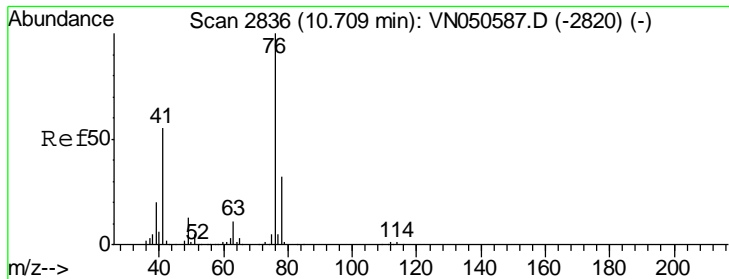
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#56
 Ethyl methacrylate
 Concen: 47.59 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
69	448443		
69	100		
41	62.1	49.7	74.5
39	30.2	24.2	36.2





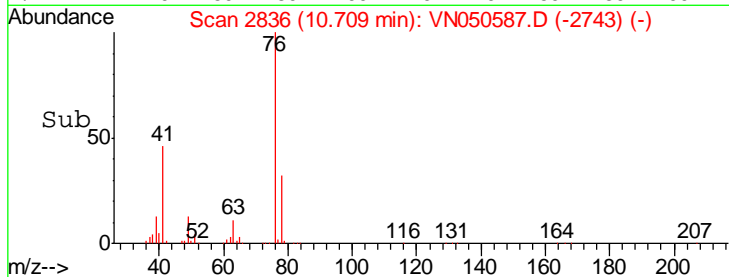
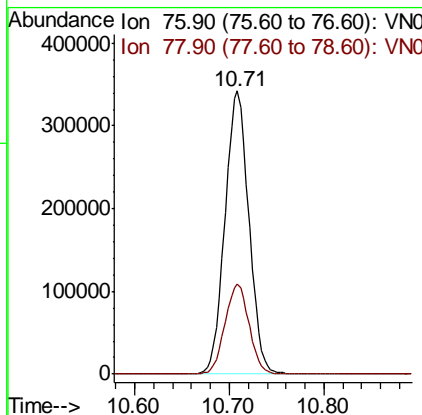
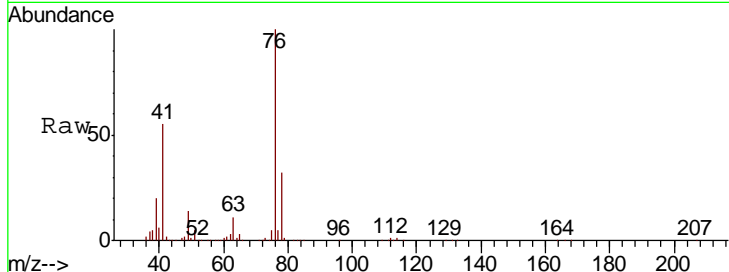
#57
 1,3-Dichloropropane
 Concen: 48.28 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	600655		
76	100		
78	32.2	25.8	38.6

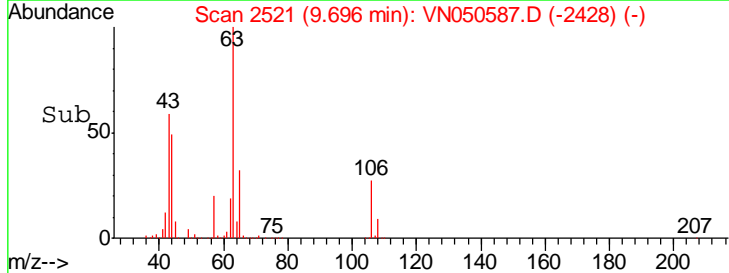
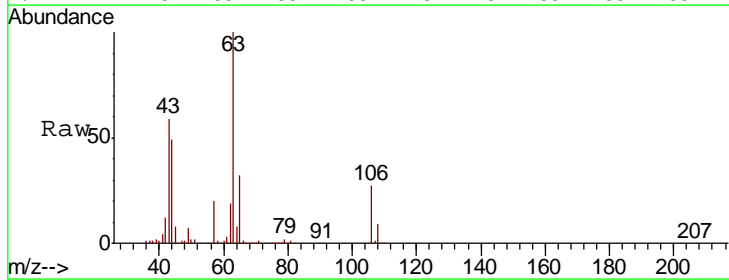
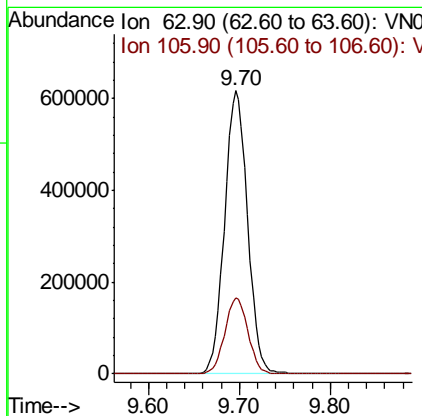
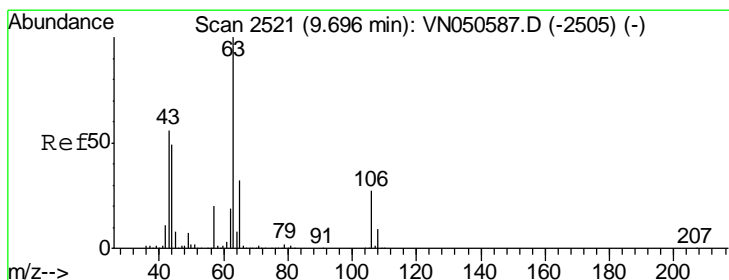
Manual Integrations
 APPROVED

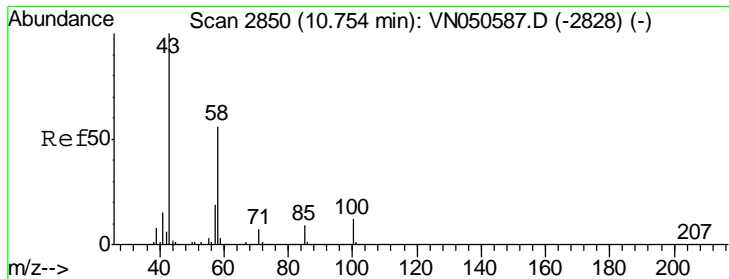
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#58
 2-Chloroethyl Vinyl ether
 Concen: 246.06 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
63	1083201		
63	100		
106	27.1	21.7	32.5





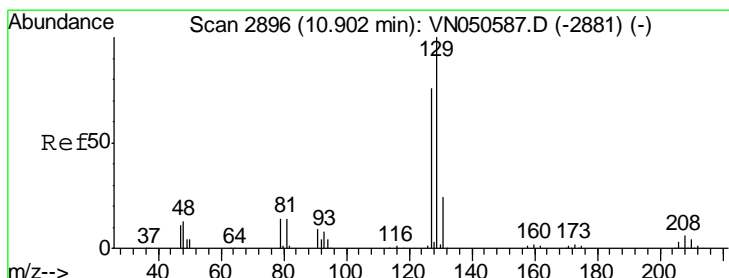
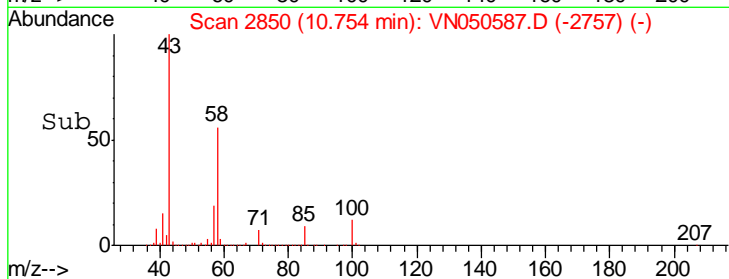
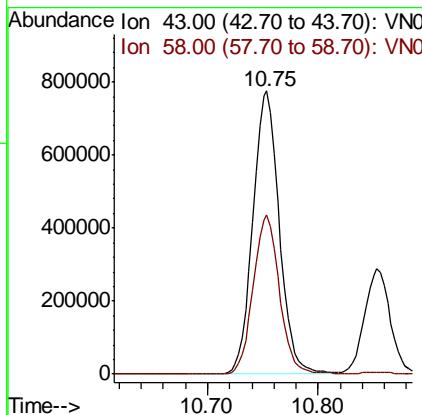
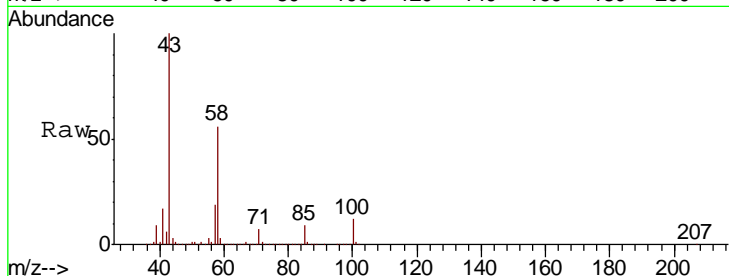
#59
 2-Hexanone
 Concen: 203.09 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.0	28.0	84.0

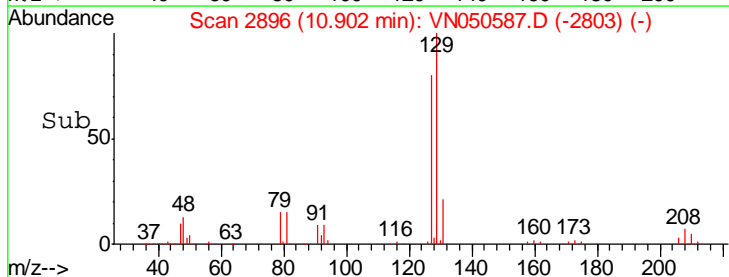
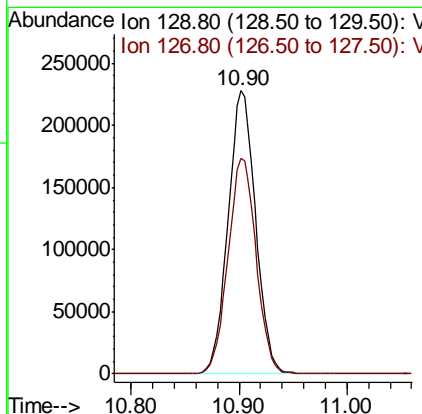
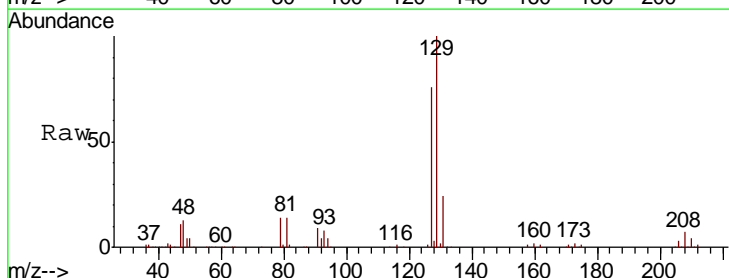
Manual Integrations
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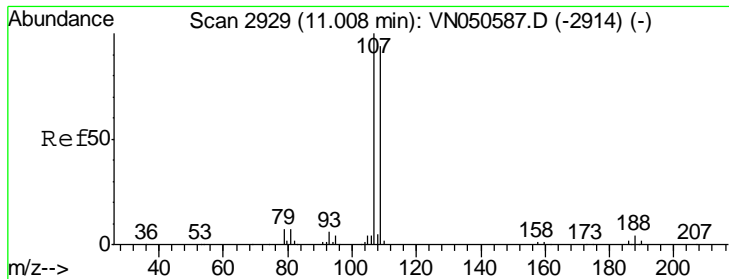
MMDadoda
 8/15/2018 3:21:11 PM



#60
 Dibromochloromethane
 Concen: 48.52 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.8	38.9	116.7





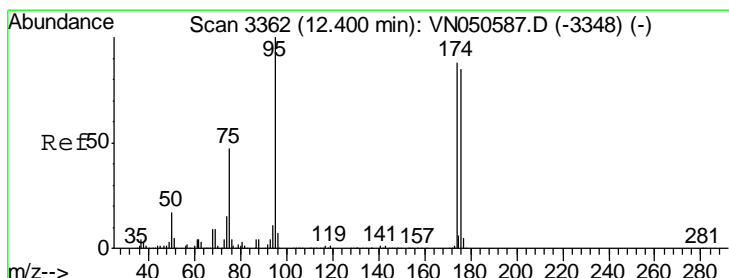
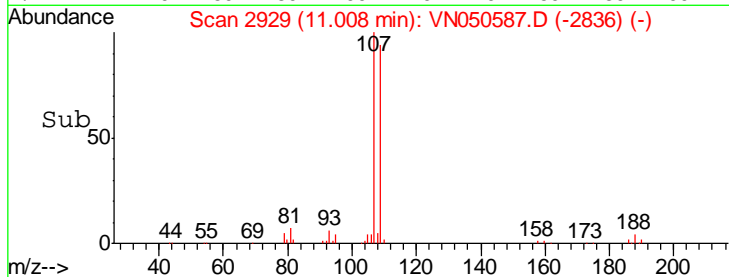
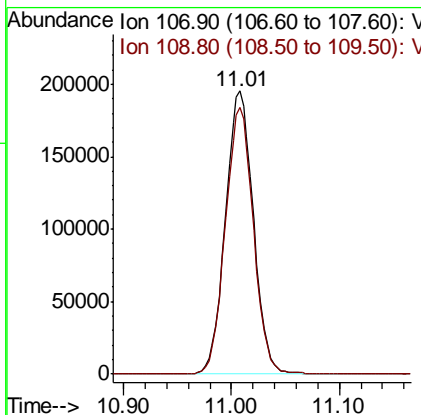
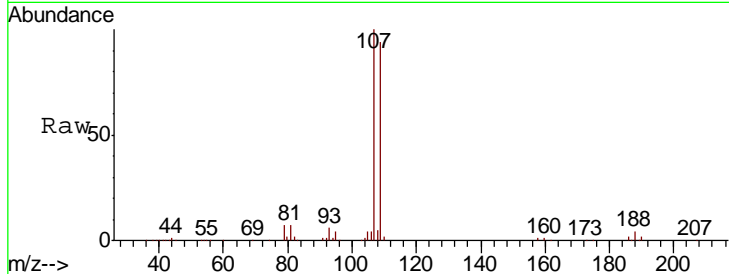
#61
 1,2-Dibromoethane
 Concen: 47.37 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.6	75.7	113.5

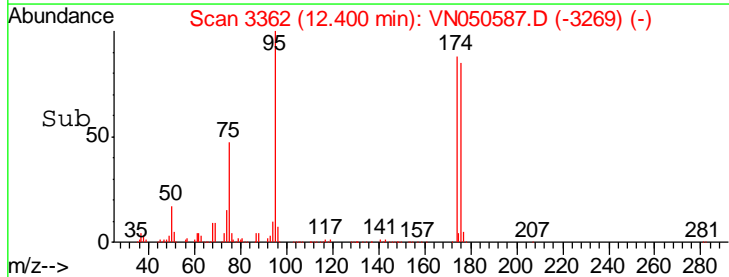
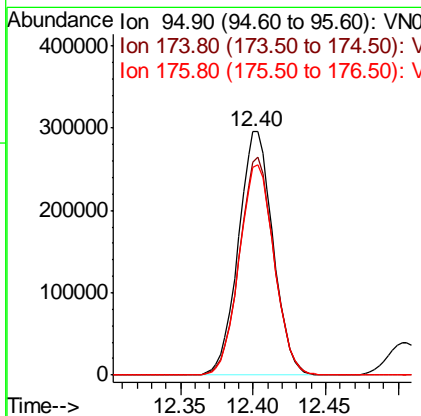
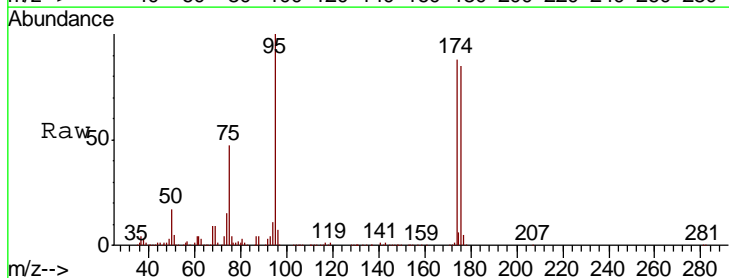
Manual Integrations
 APPROVED

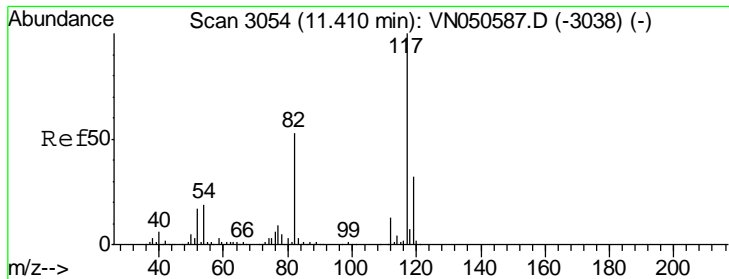
MMDadoda
 8/15/2018 3:21:11 PM



#62
 4-Bromofluorobenzene
 Concen: 49.66 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
95	100		
174	88.9	0.0	177.8
176	87.5	0.0	175.0





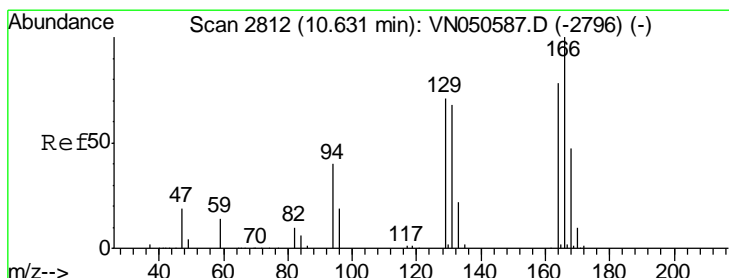
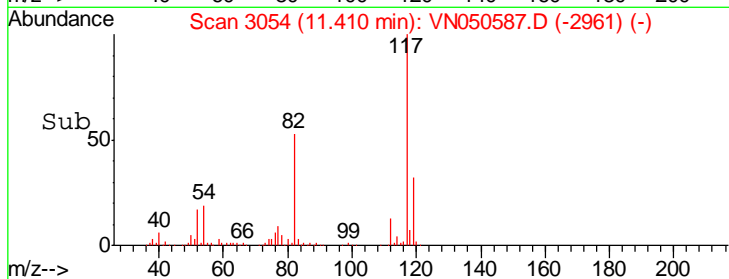
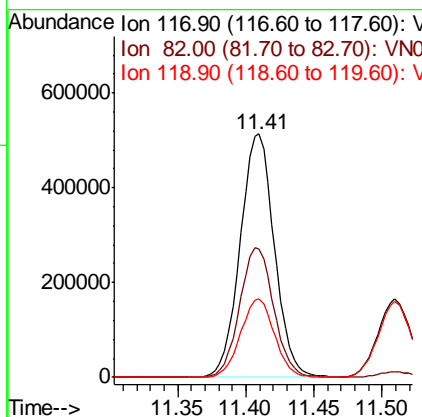
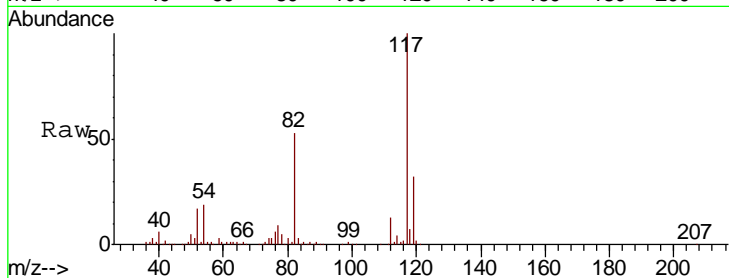
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
117	893322		
82	53.0	42.4	63.6
119	32.3	25.8	38.8

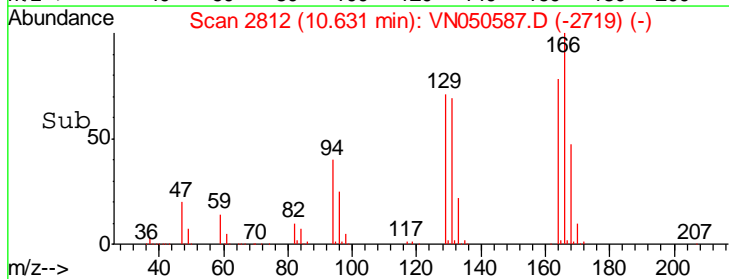
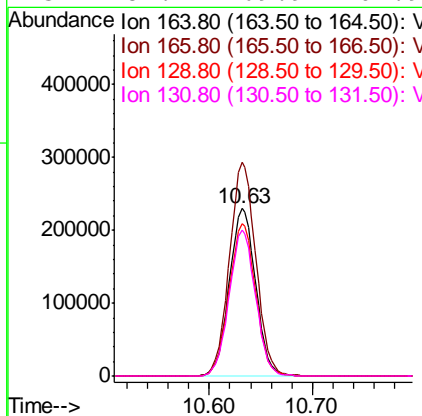
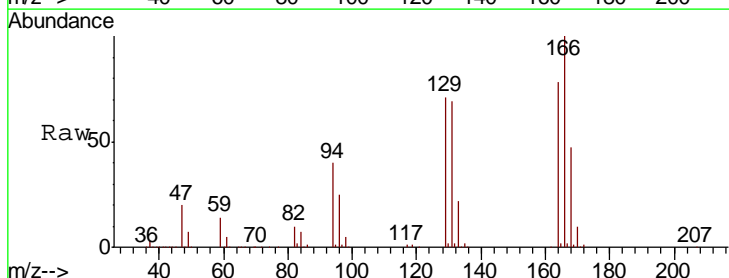
Manual Integrations
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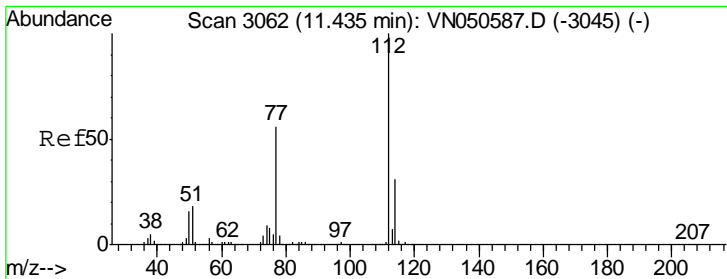
MMDadoda
 8/15/2018 3:21:11 PM



#64
 Tetrachloroethene
 Concen: 49.21 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
164	410147		
166	127.6	102.1	153.1
129	90.9	72.7	109.1
131	87.4	69.9	104.9





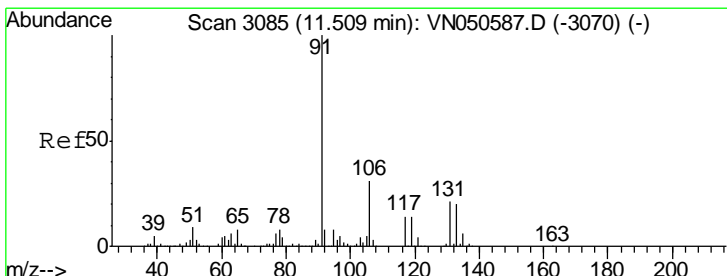
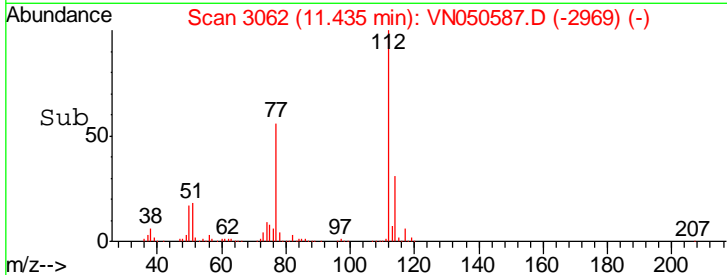
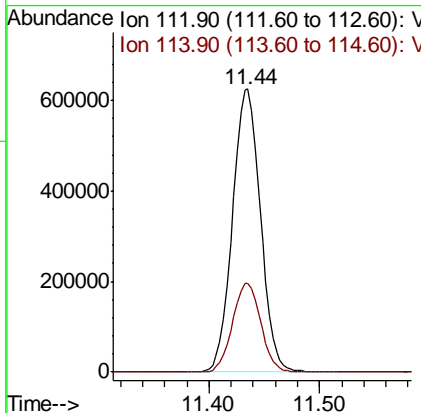
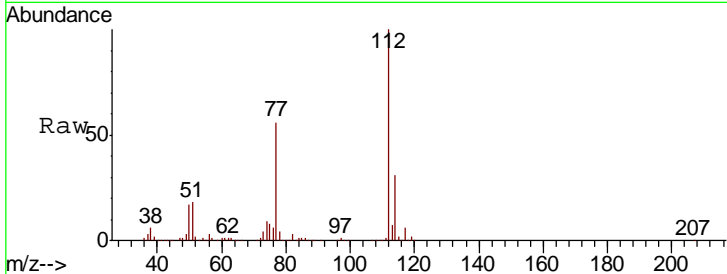
#65
 Chlorobenzene
 Concen: 48.97 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
112	1097230		
114	31.5	25.2	37.8

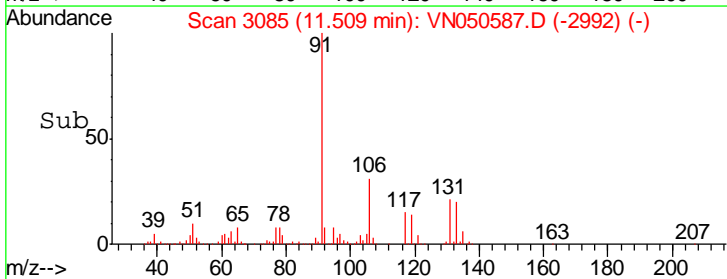
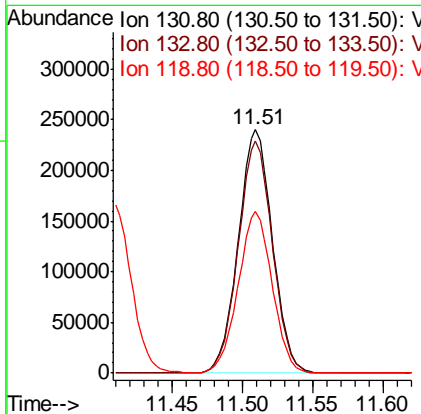
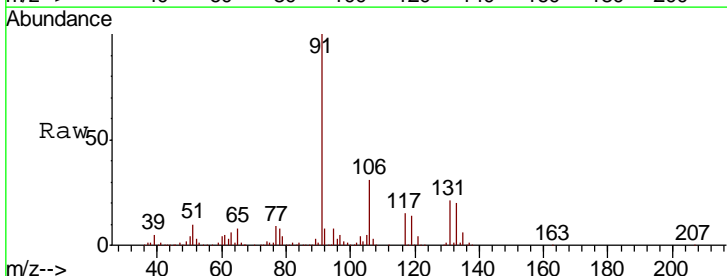
Manual Integrations
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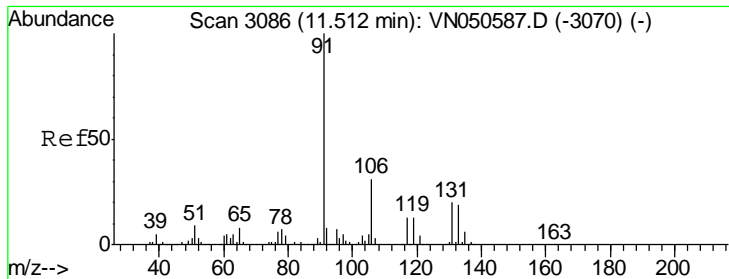
MMDadoda
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.86 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
131	407622		
133	95.3	47.6	142.9
119	66.2	33.1	99.3





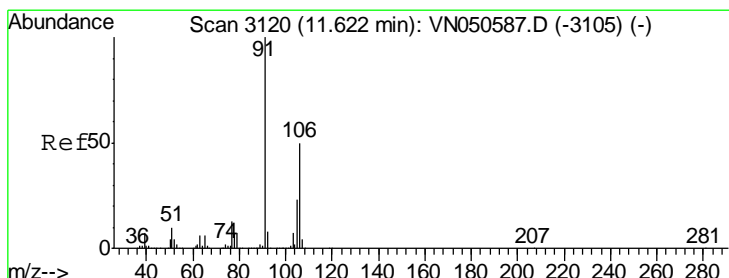
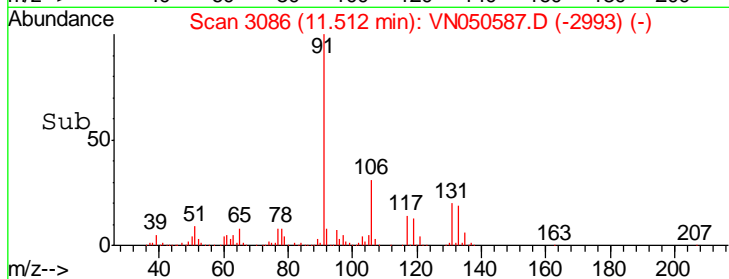
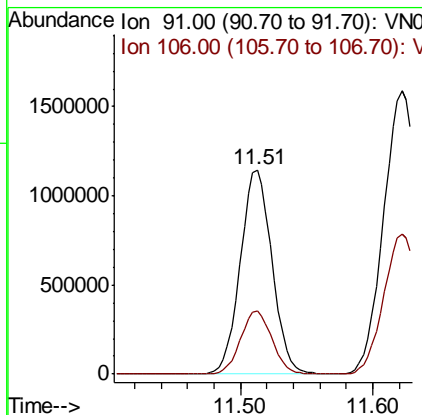
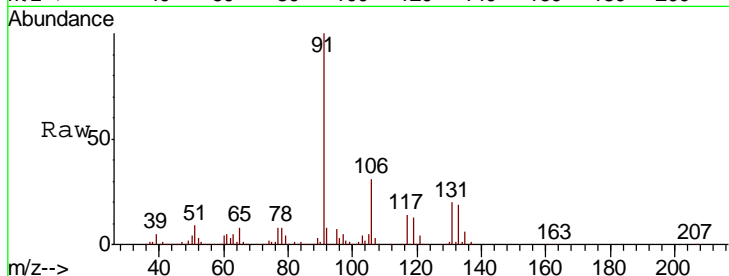
#67
 Ethyl Benzene
 Concen: 52.39 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion: 91 Resp: 1897710
 Ion Ratio Lower Upper
 91 100
 106 31.0 24.8 37.2

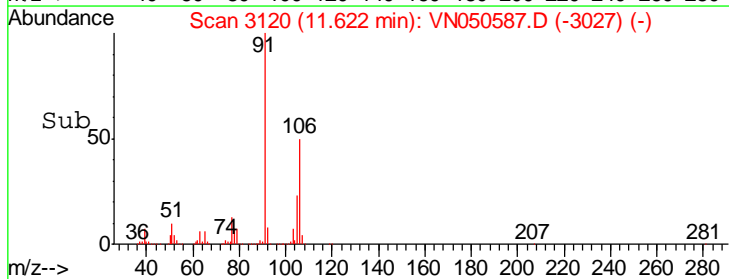
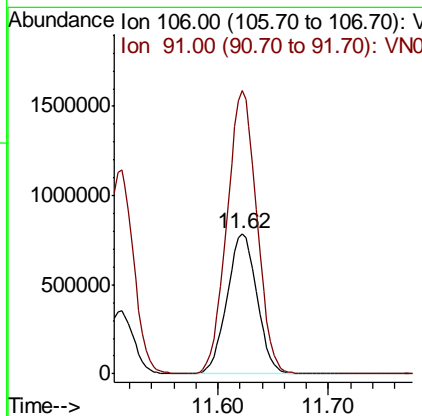
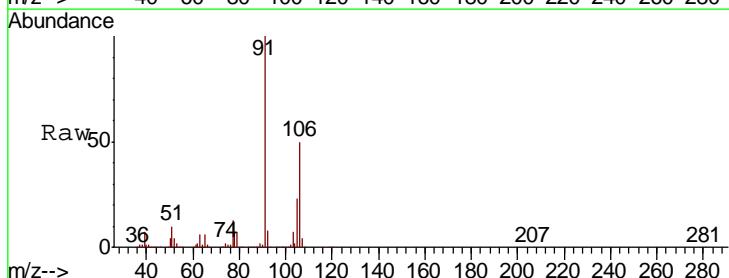
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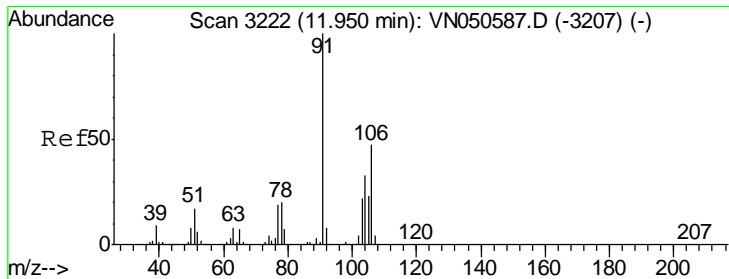
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#68
 m/p-Xylenes
 Concen: 107.03 ug/l
 RT: 11.62 min Scan# 3120
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 106 Resp: 1477026
 Ion Ratio Lower Upper
 106 100
 91 201.9 161.5 242.3





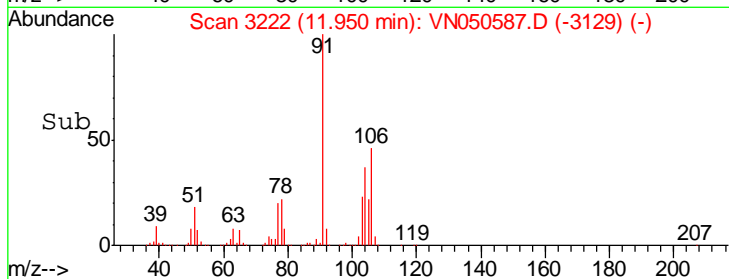
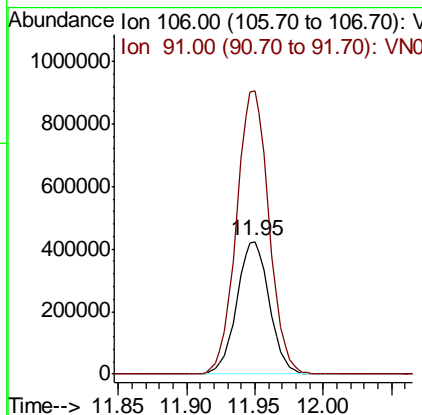
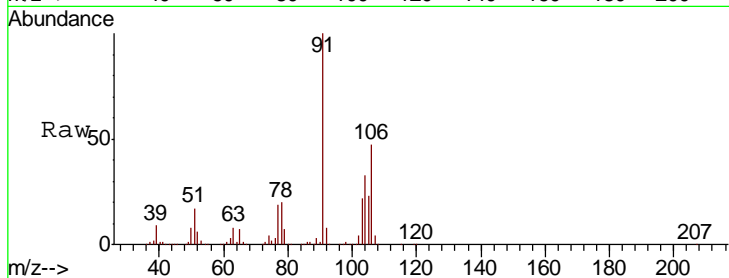
#69
 o-Xylene
 Concen: 52.78 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
106	700354		
106	100		
91	213.6	106.8	320.4

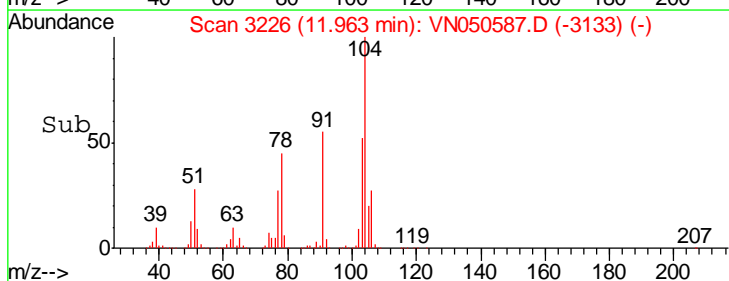
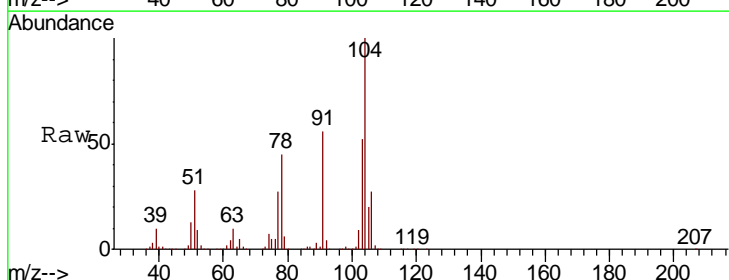
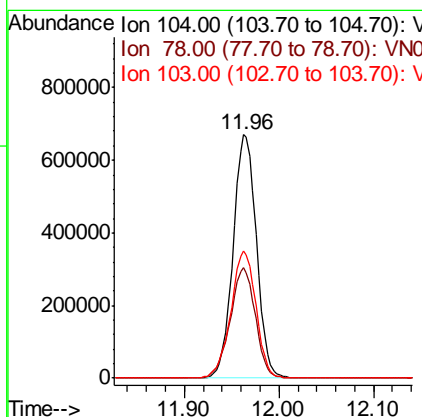
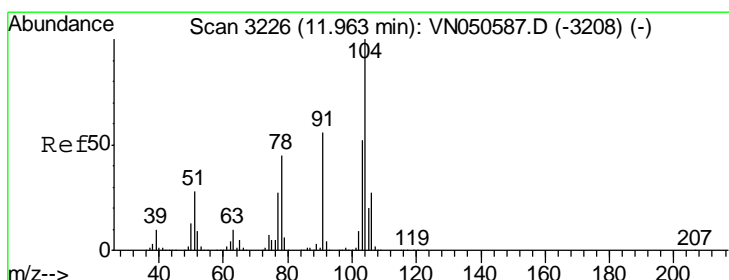
Manual Integrations
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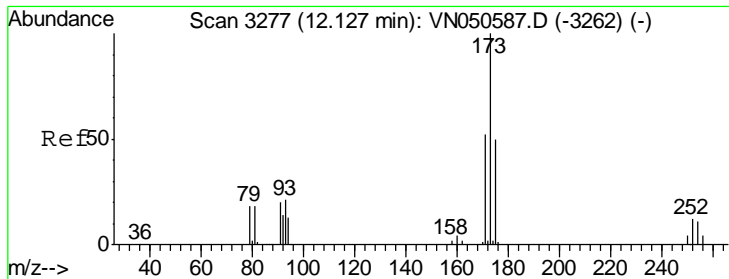
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#70
 Styrene
 Concen: 53.46 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
104	1150339		
104	100		
78	48.9	39.1	58.7
103	56.1	44.9	67.3





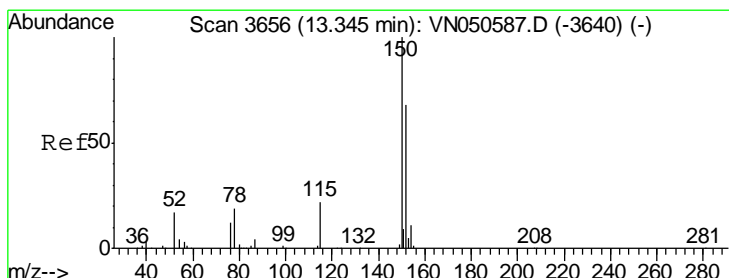
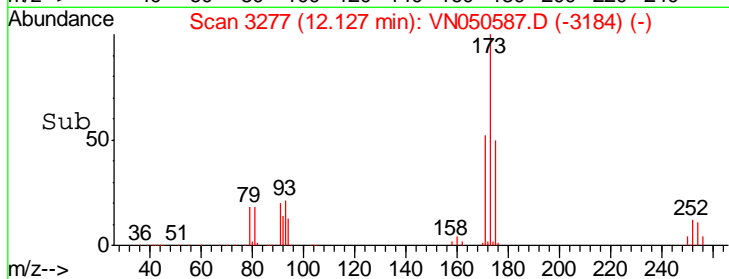
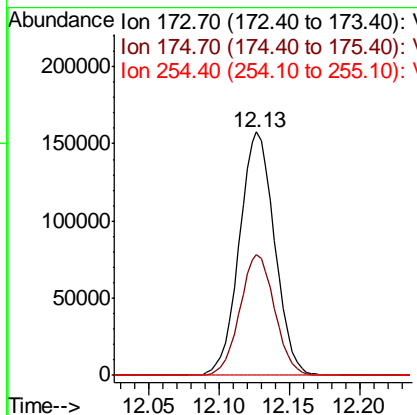
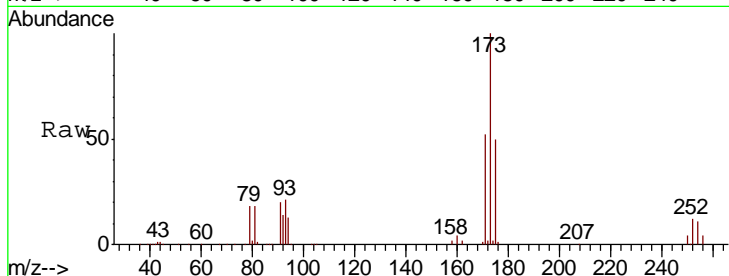
#71
 Bromoform
 Concen: 47.02 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.0	0.0

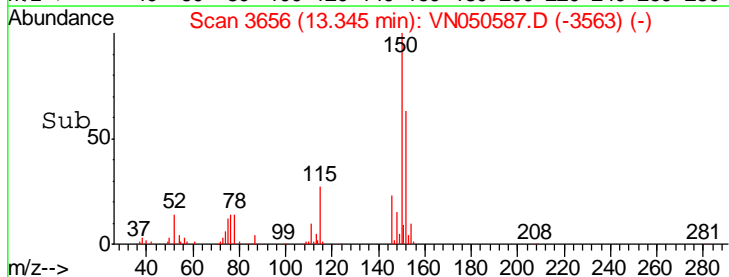
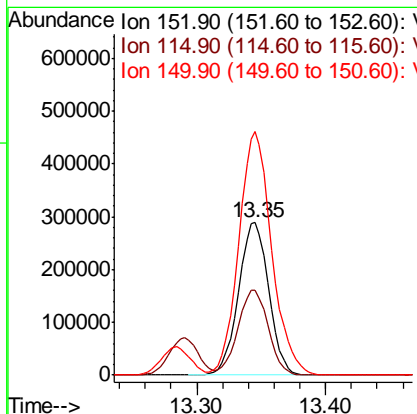
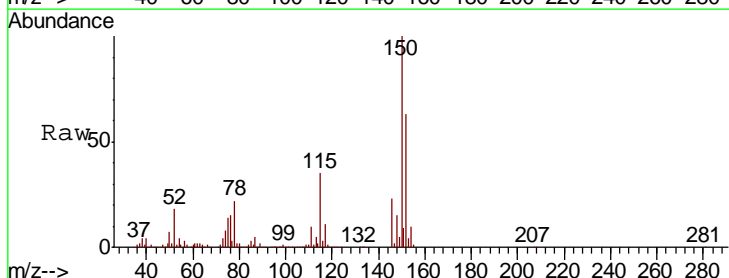
Manual Integrations
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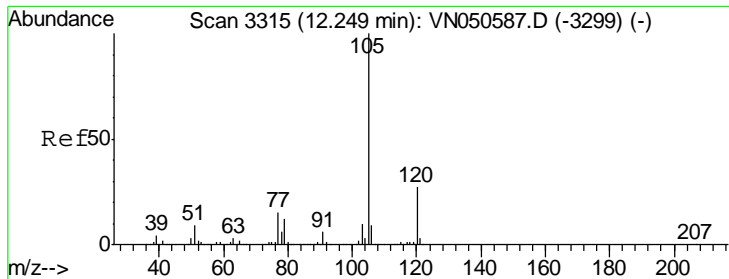
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.1	28.1	84.2
150	173.9	0.0	347.8





#73
 Isopropylbenzene
 Concen: 52.25 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

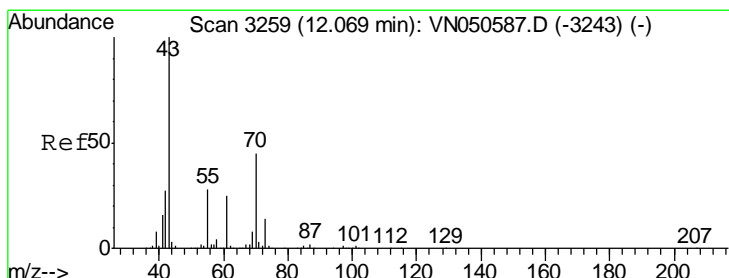
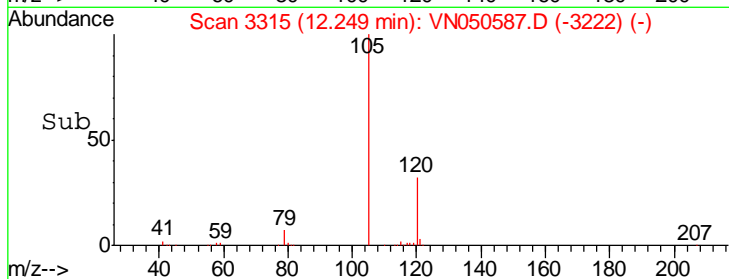
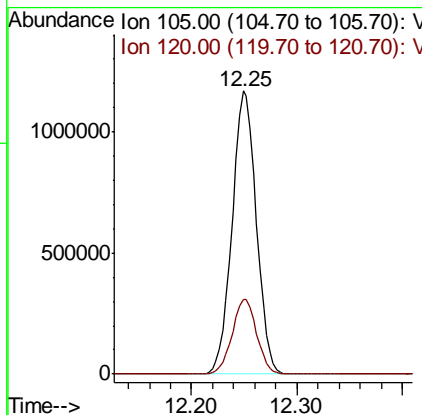
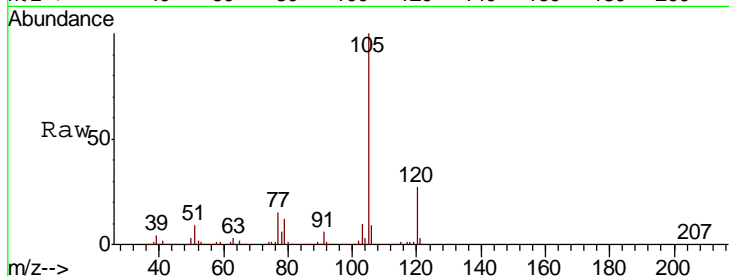
Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion: 105 Resp: 1850997

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1

Manual Integrations
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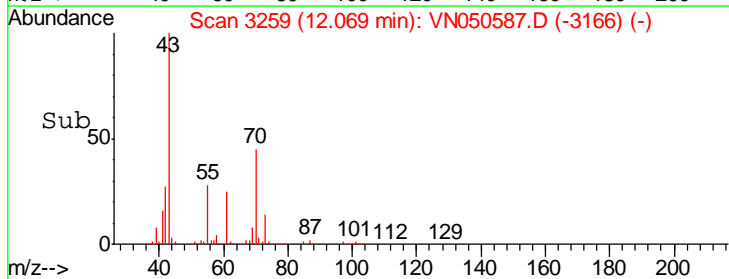
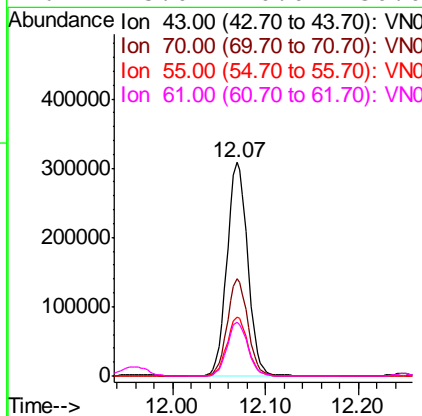
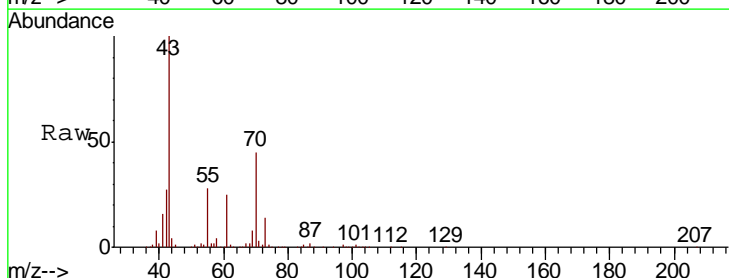
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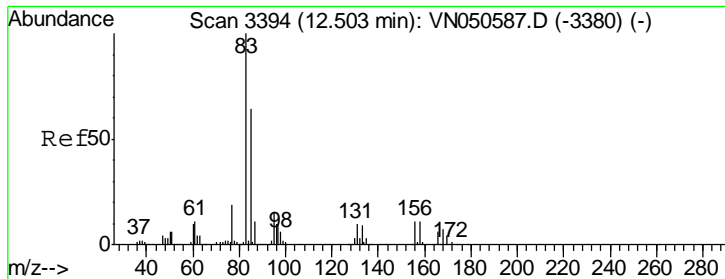


#74
 N-amyl acetate
 Concen: 43.01 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 43 Resp: 476573

Ion	Ratio	Lower	Upper
43	100		
70	44.9	35.9	53.9
55	27.8	22.2	33.4
61	25.0	20.0	30.0





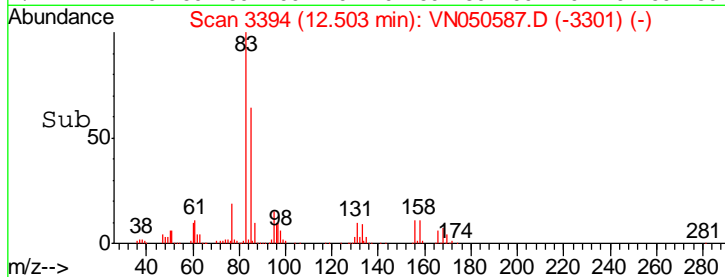
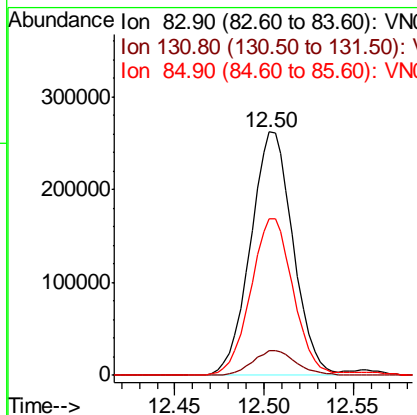
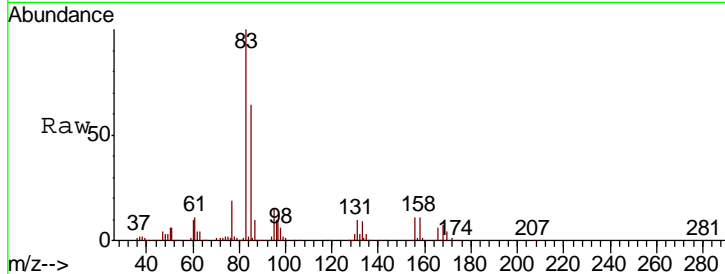
#75
 1,1,2,2-Tetrachloroethane
 Concen: 43.64 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	436513		
131	10.6	5.3	15.9
85	64.3	32.1	96.5

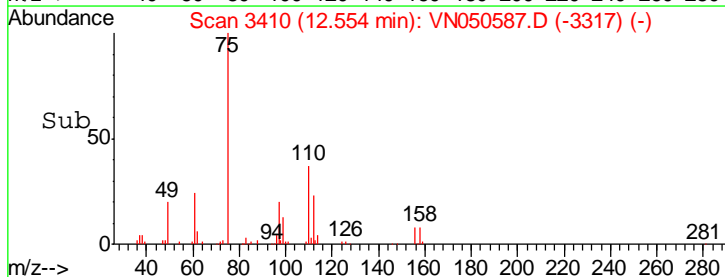
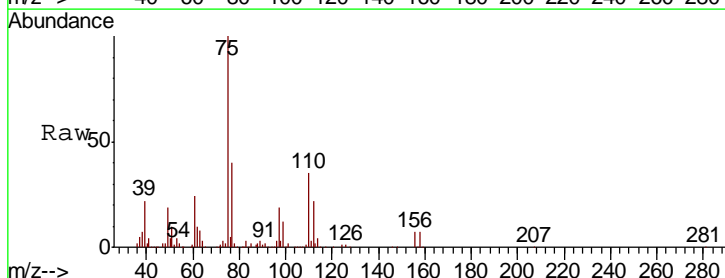
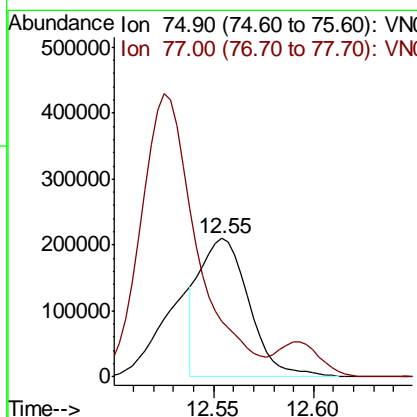
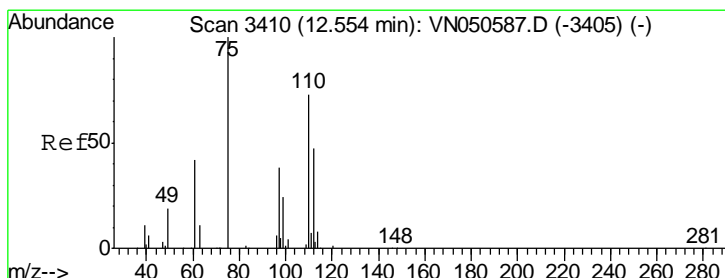
Manual Integrations
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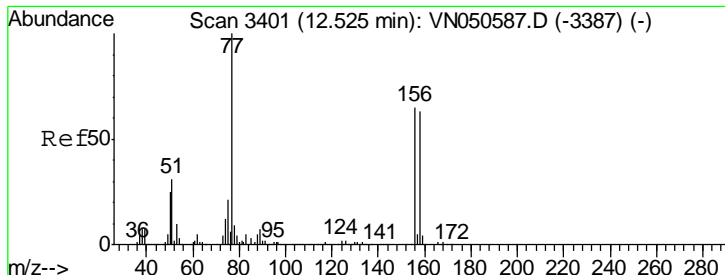
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#76
 1,2,3-Trichloropropane
 Concen: 42.51 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
75	360007		
77	0.0	0.0	0.0





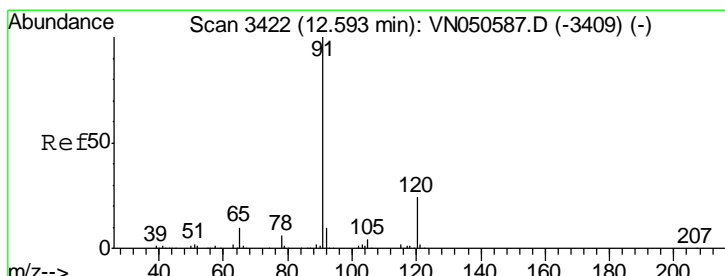
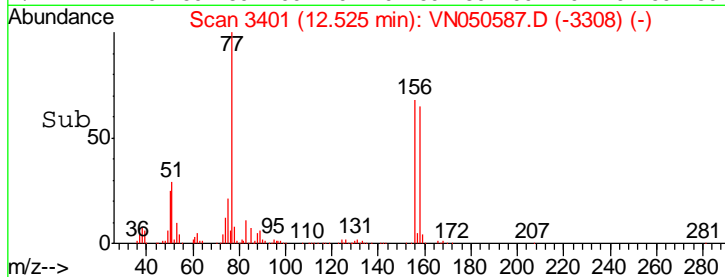
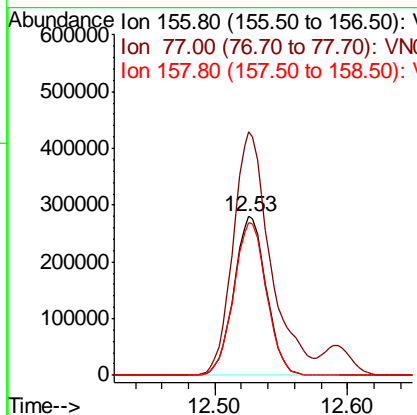
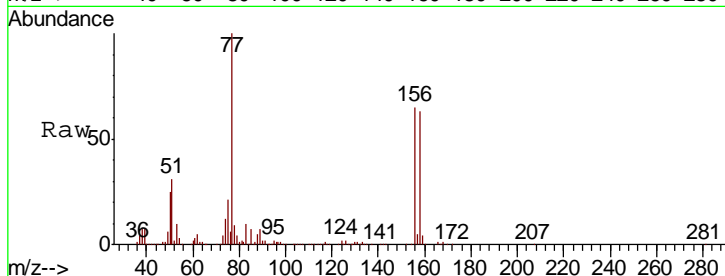
#77
 Bromobenzene
 Concen: 50.11 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampleId : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
156	475020		
77	178.1	89.0	267.1
158	97.1	48.5	145.6

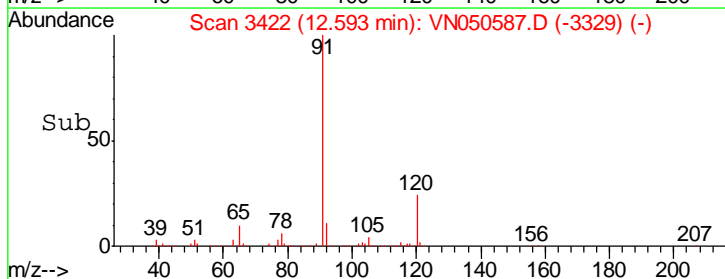
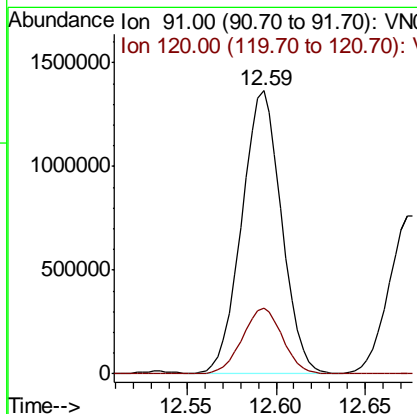
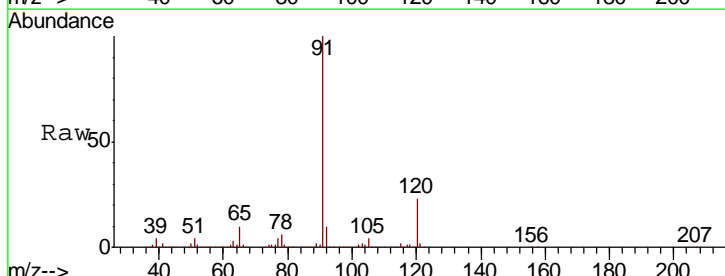
Manual Integrations
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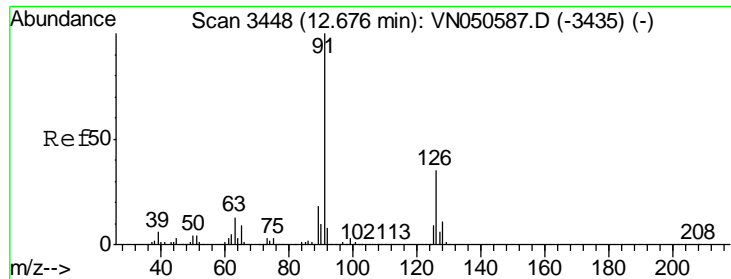
MMDadoda
 8/15/2018 3:21:11 PM



#78
 n-propylbenzene
 Concen: 52.97 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
91	2122325		
120	23.6	11.8	35.4





#79
 2-Chlorotoluene
 Concen: 51.14 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

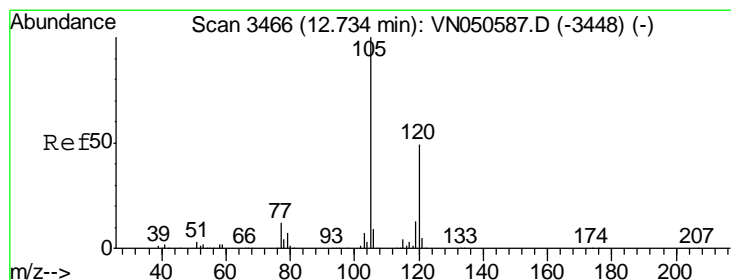
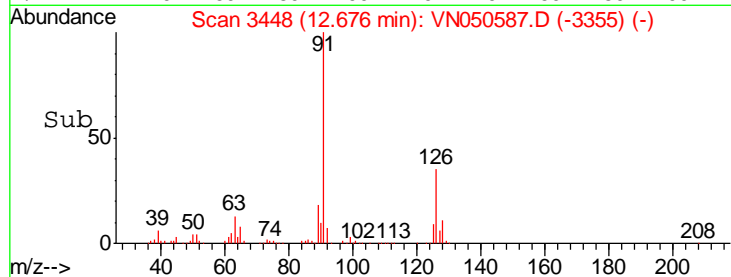
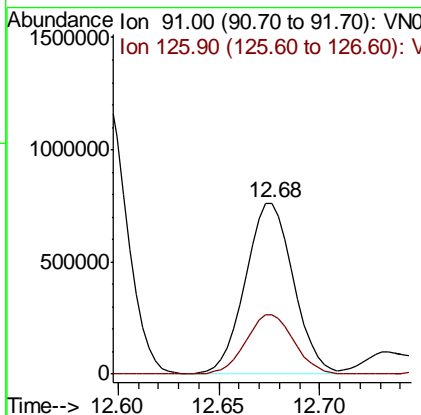
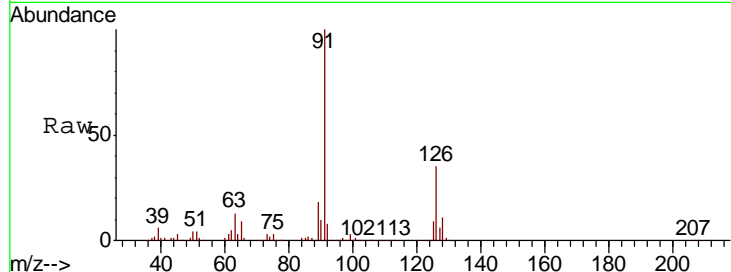
Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion: 91 Resp: 1266302

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8

Manual Integrations
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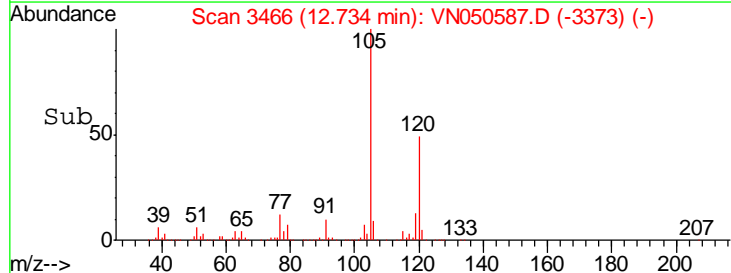
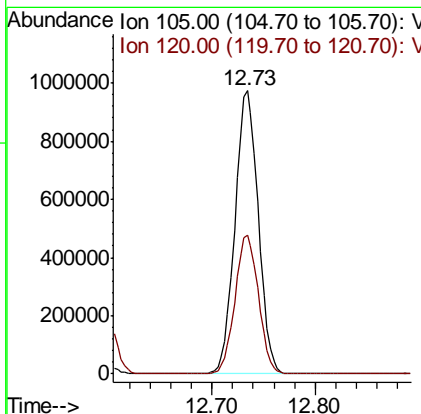
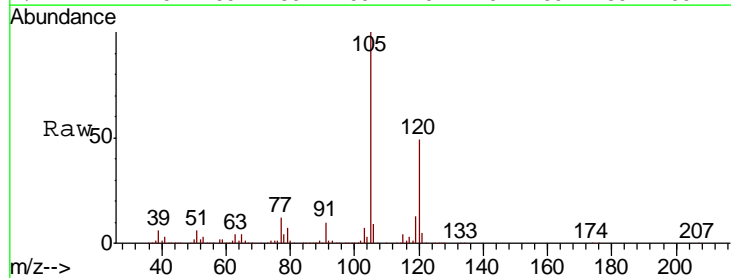
MMDadoda
 8/15/2018 3:21:11 PM

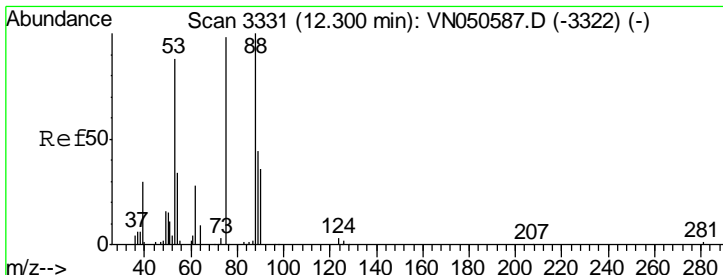


#80
 1,3,5-Trimethylbenzene
 Concen: 53.34 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 105 Resp: 1530910

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.7	74.1





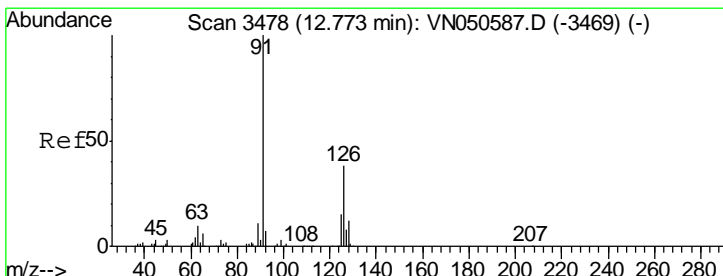
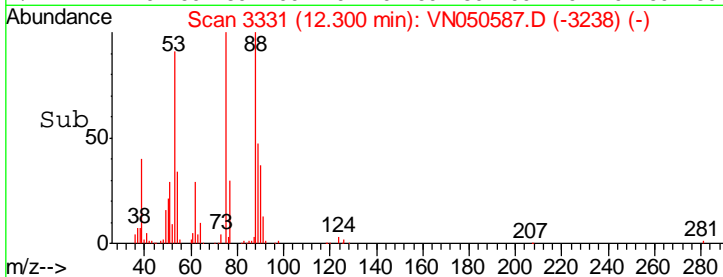
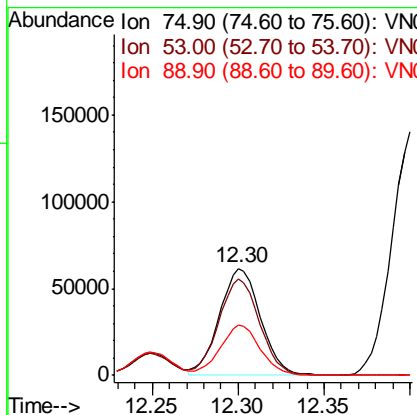
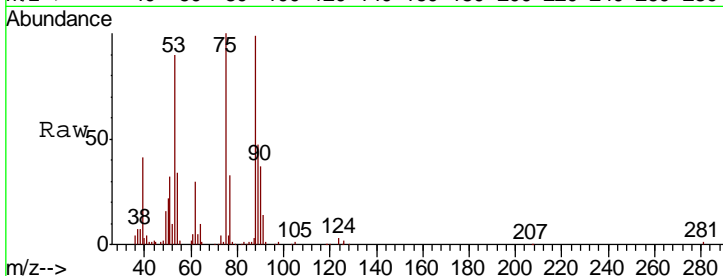
#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.97 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	102893		
75	100		
53	90.2	72.2	108.2
89	45.4	36.3	54.5

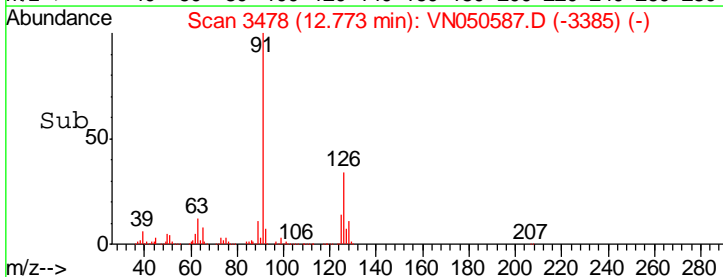
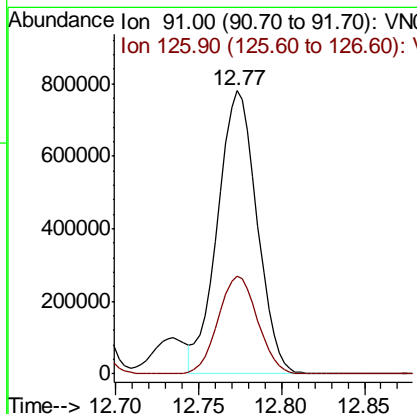
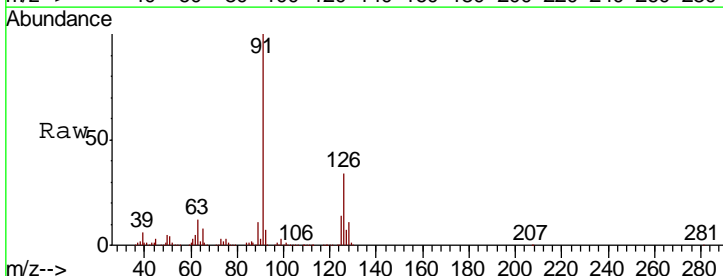
Manual Integrations APPROVED

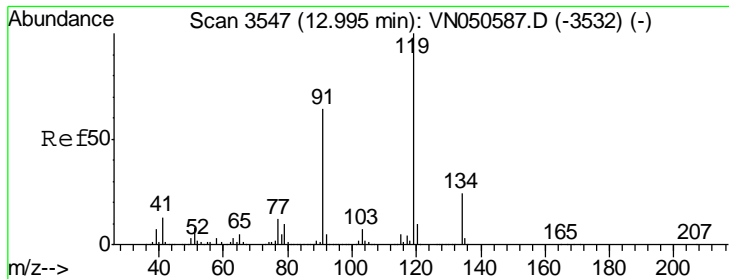
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#82
 4-Chlorotoluene
 Concen: 52.16 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
91	1287201		
91	100		
126	34.7	17.3	52.0





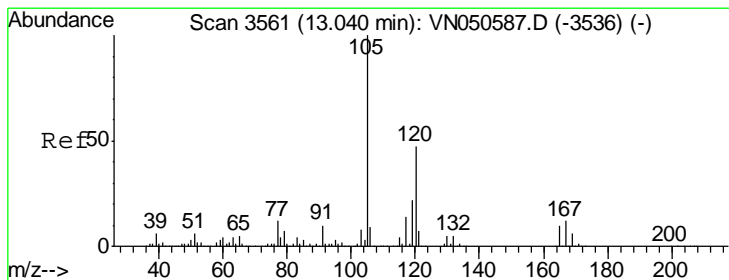
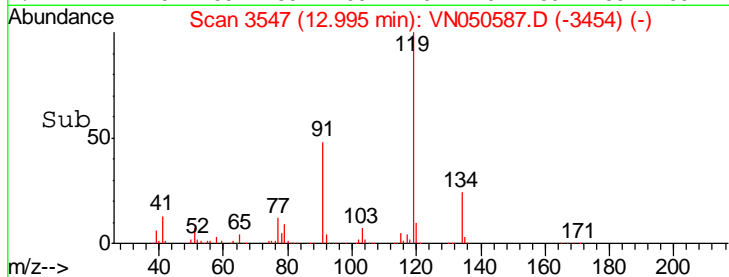
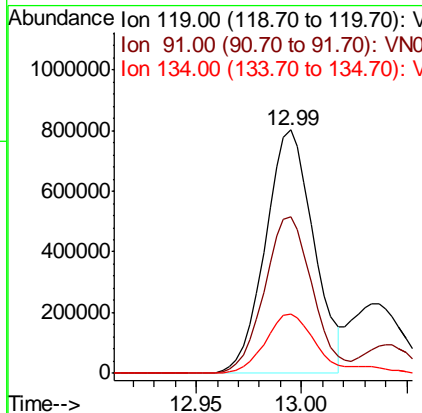
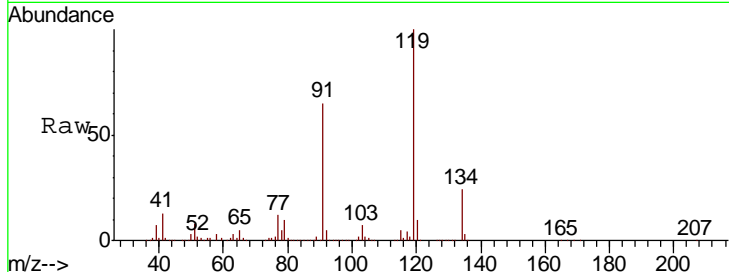
#83
 tert-Butylbenzene
 Concen: 51.12 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
119	100		
91	64.4	32.2	96.6
134	26.8	13.4	40.2

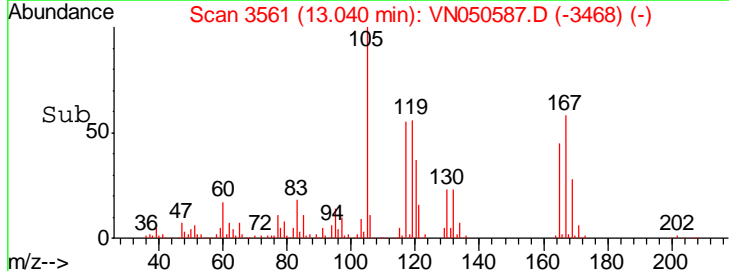
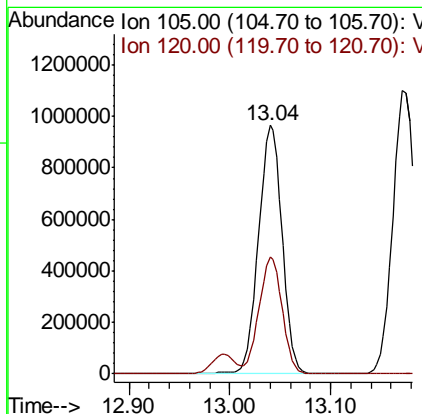
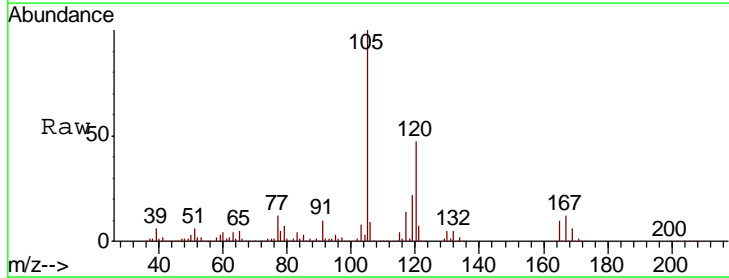
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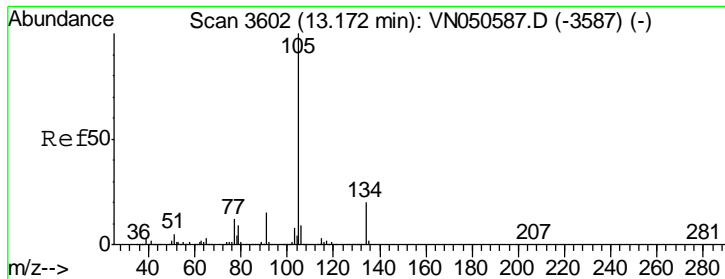
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.75 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
105	100		
120	46.3	23.2	69.5





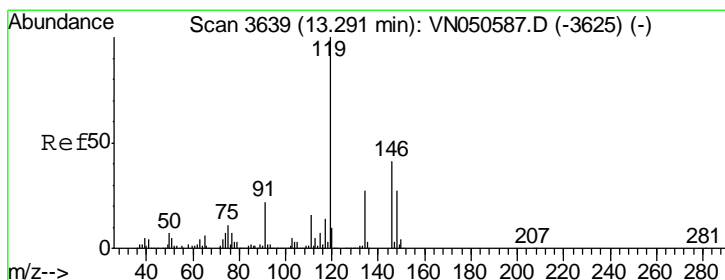
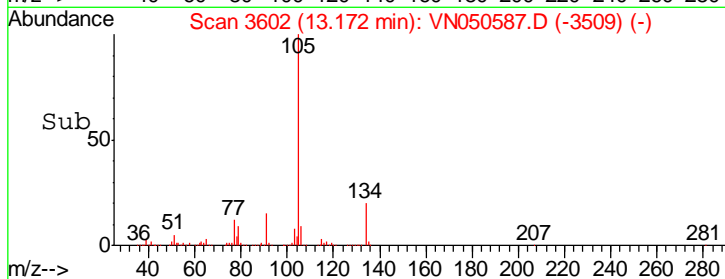
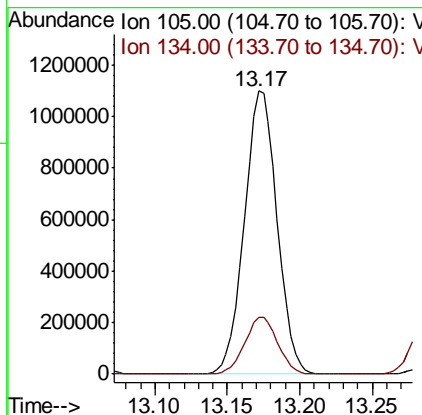
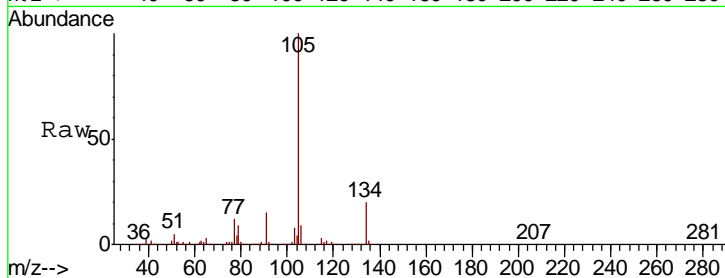
#85
 sec-Butylbenzene
 Concen: 51.66 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	1722820		
134	20.2	10.1	30.3

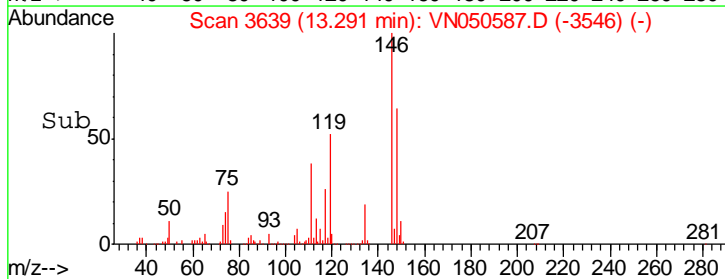
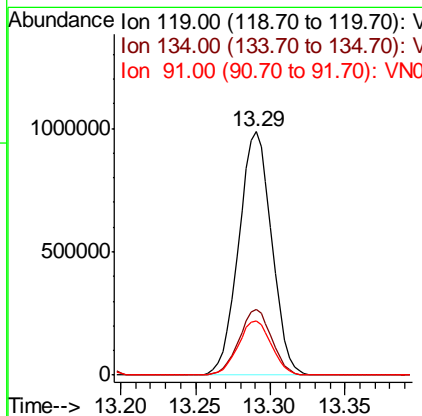
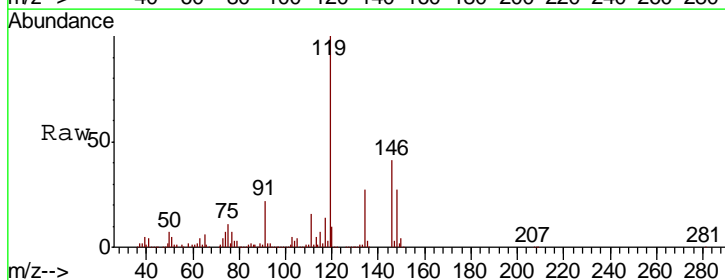
Manual Integrations
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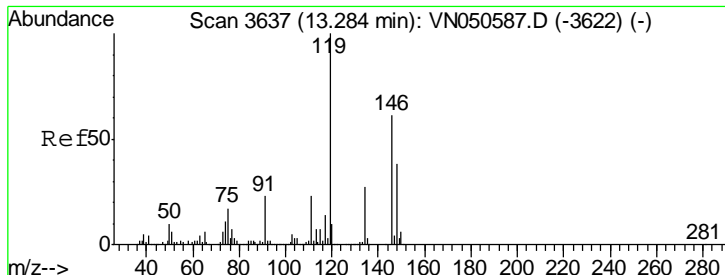
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#86
 p-Isopropyltoluene
 Concen: 52.82 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
119	1507496		
134	26.9	13.5	40.4
91	22.4	11.2	33.6





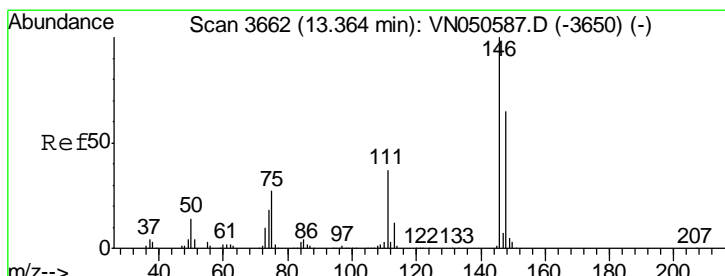
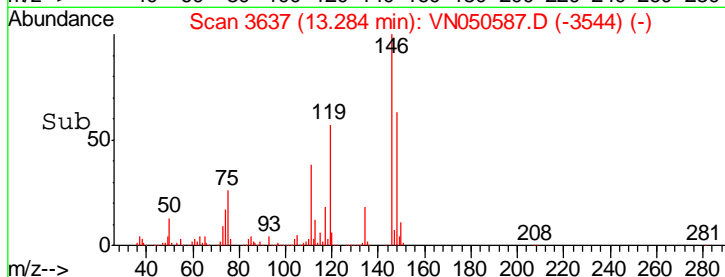
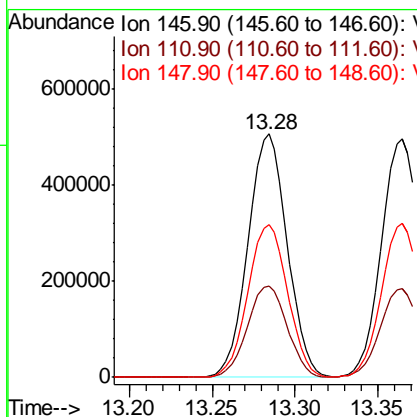
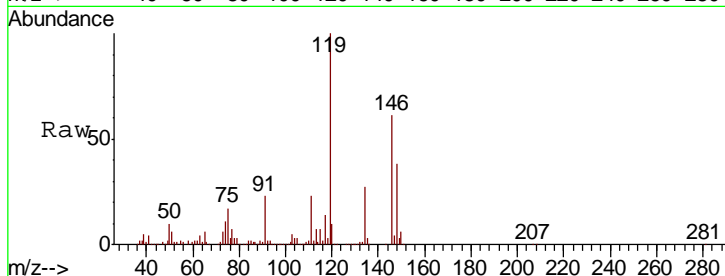
#87
 1,3-Dichlorobenzene
 Concen: 49.38 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	63.8	31.9	95.7

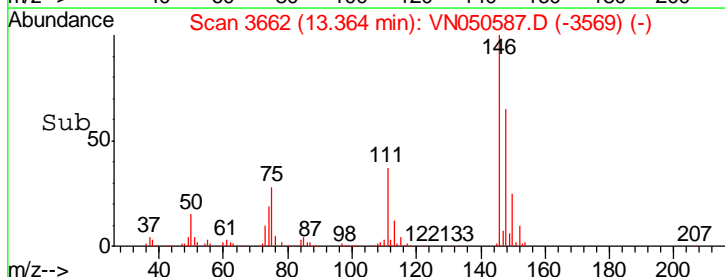
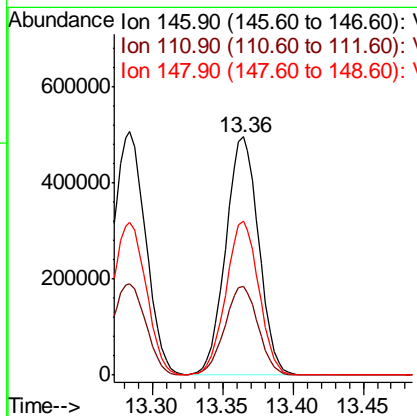
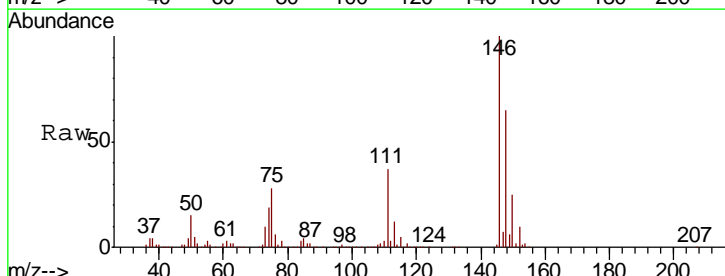
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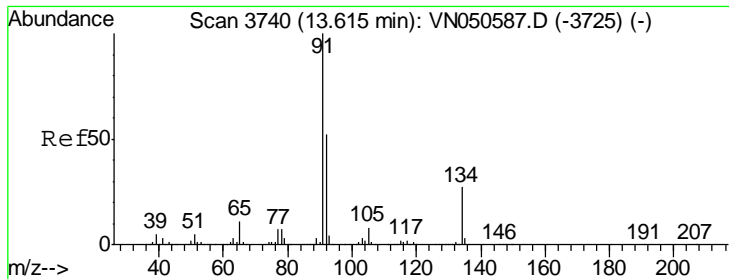
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#88
 1,4-Dichlorobenzene
 Concen: 48.22 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.5	32.3	96.8





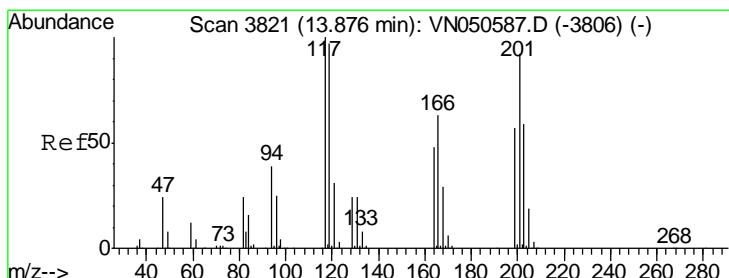
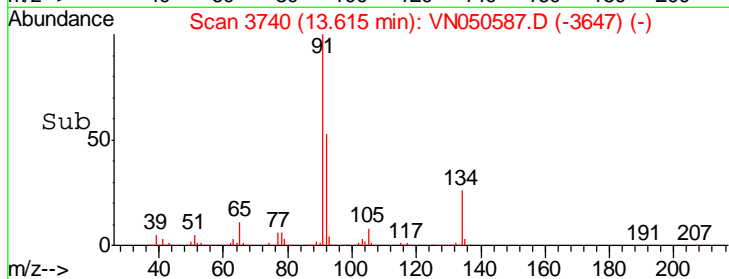
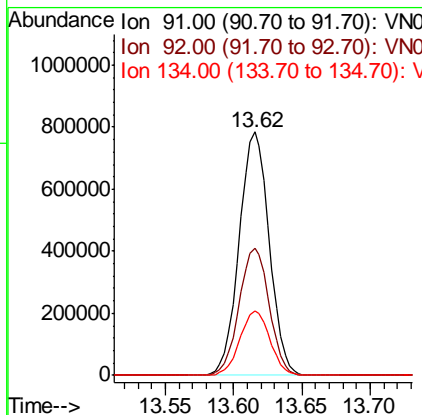
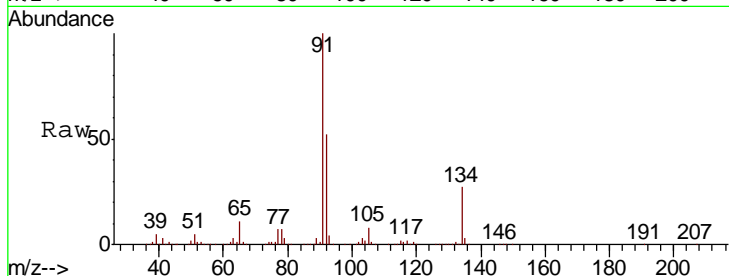
#89
 n-Butylbenzene
 Concen: 49.61 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	26.6	13.3	39.9

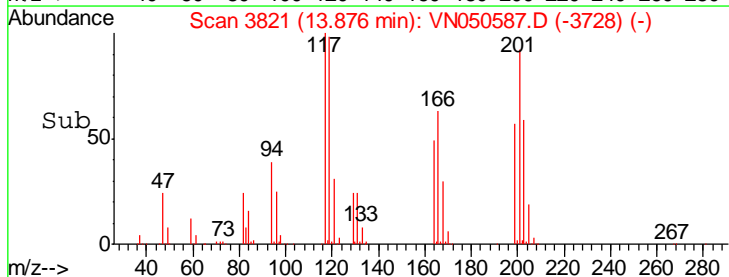
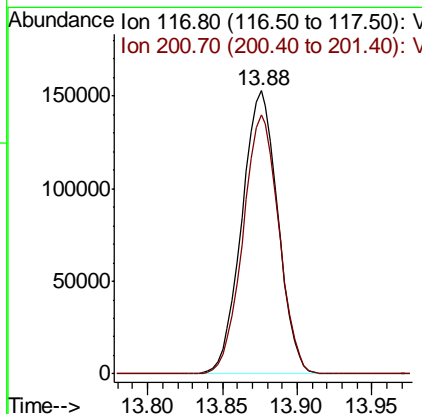
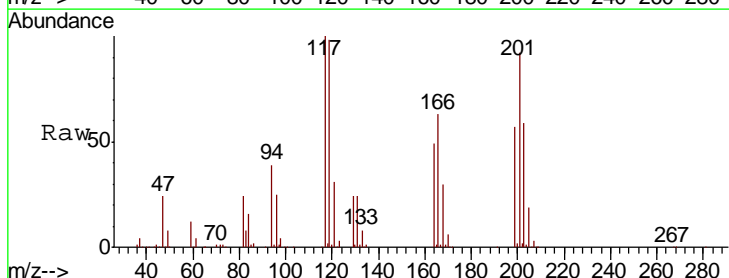
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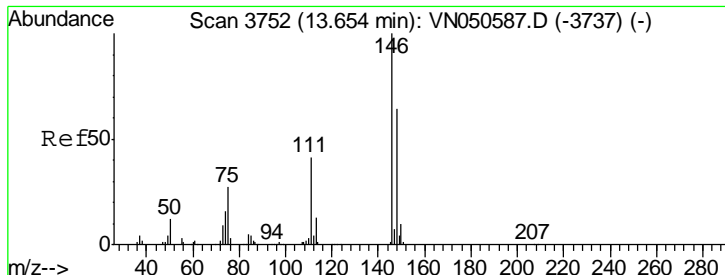
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#90
 Hexachloroethane
 Concen: 50.10 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
117	100		
201	91.0	45.5	136.5





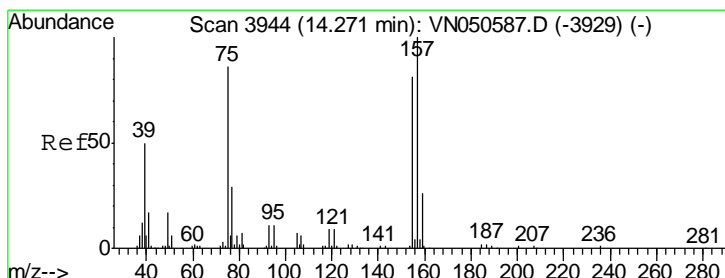
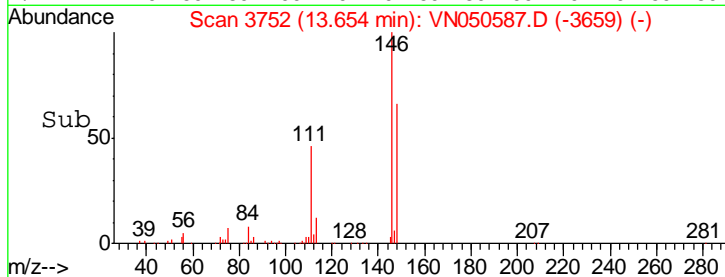
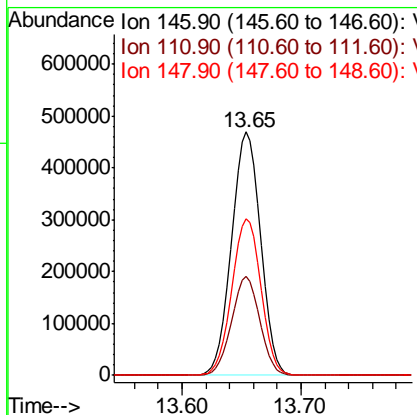
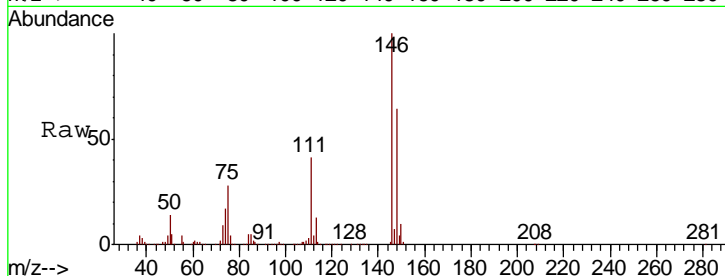
#91
 1,2-Dichlorobenzene
 Concen: 47.26 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.5	32.3	96.8

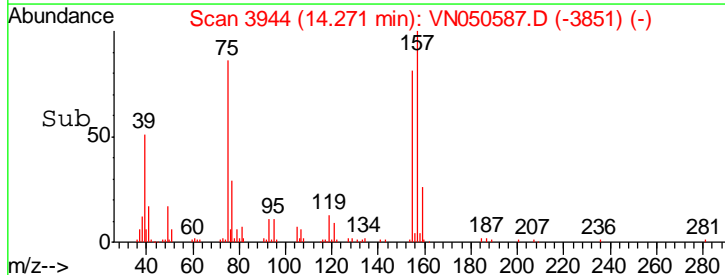
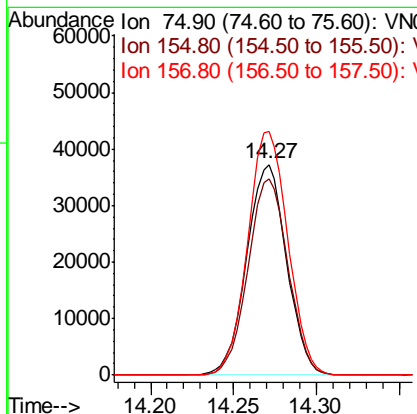
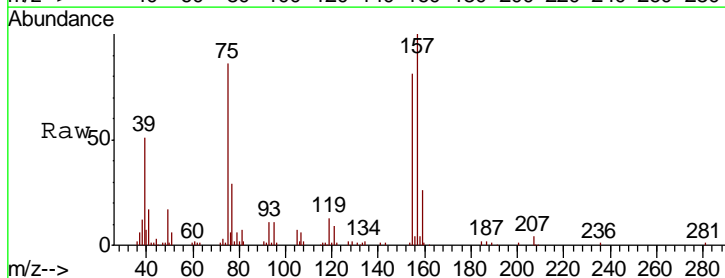
Manual Integrations
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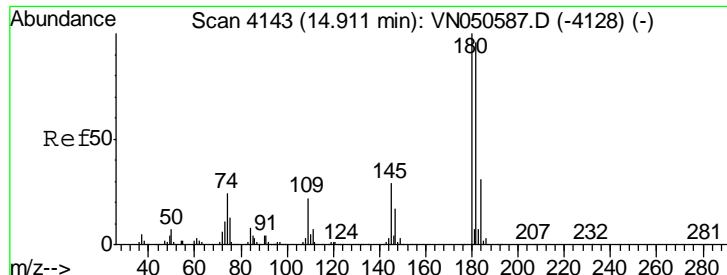
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 37.41 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
75	100		
155	93.2	46.6	139.8
157	116.1	58.1	174.2





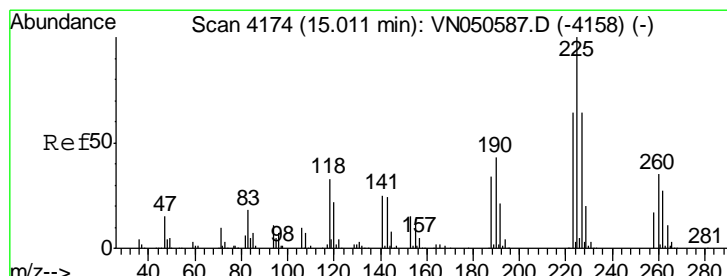
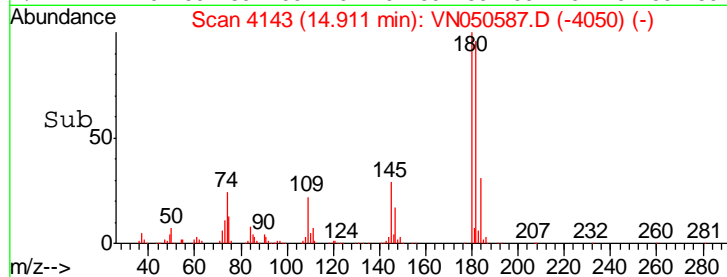
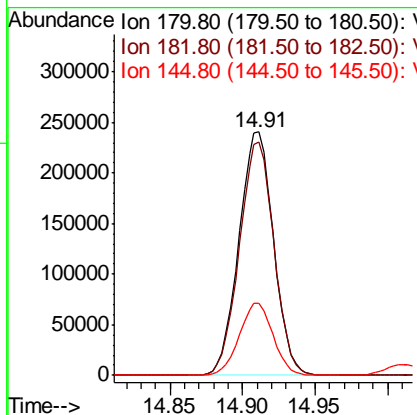
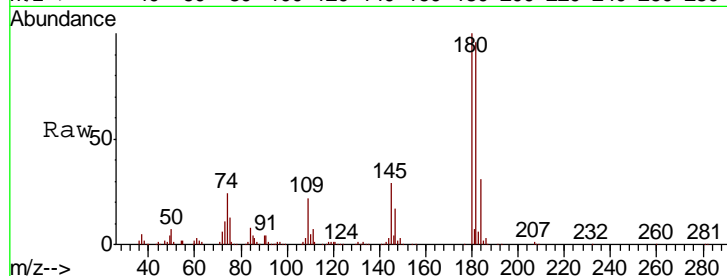
#93
 1,2,4-Trichlorobenzene
 Concen: 47.35 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	28.9	14.4	43.4

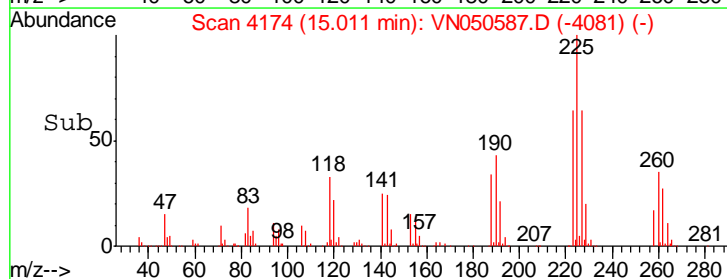
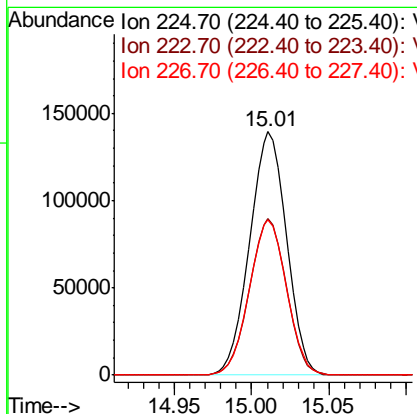
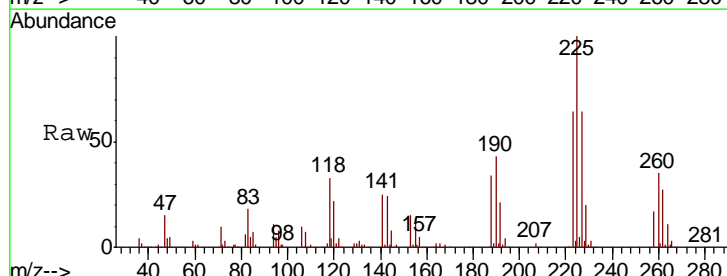
Manual Integrations
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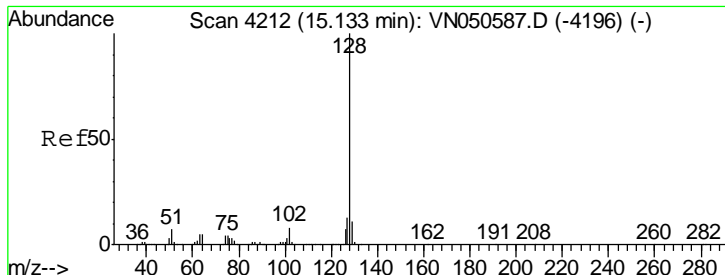
MMDadoda
 8/15/2018 3:21:11 PM



#94
 Hexachlorobutadiene
 Concen: 37.79 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
225	100		
223	64.2	32.1	96.3
227	64.1	32.0	96.2





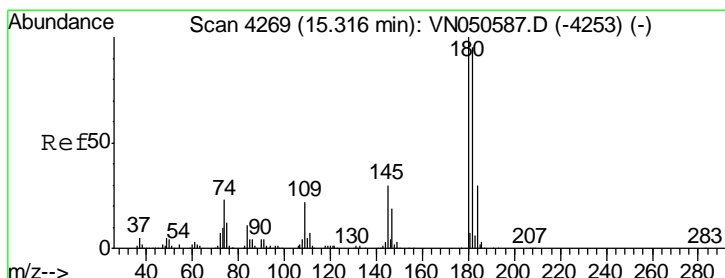
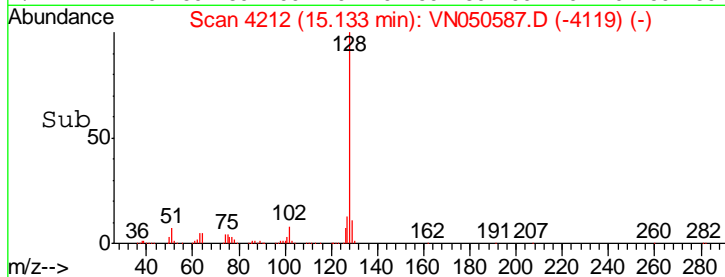
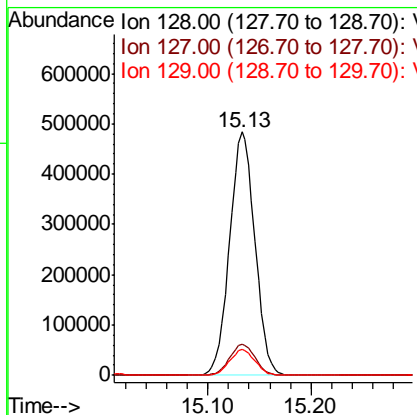
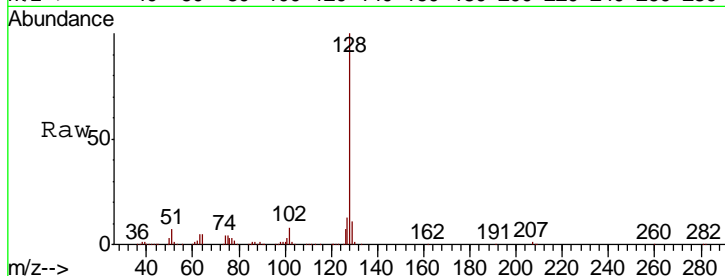
#95
 Naphthalene
 Concen: 43.33 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.6	8.5	12.7

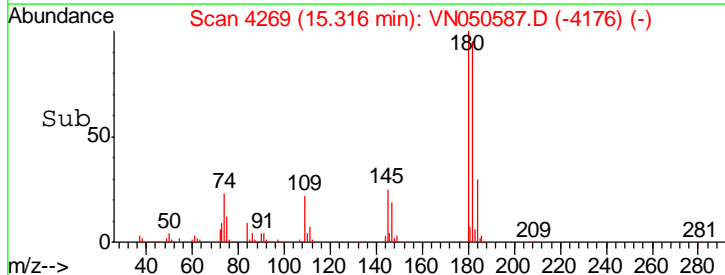
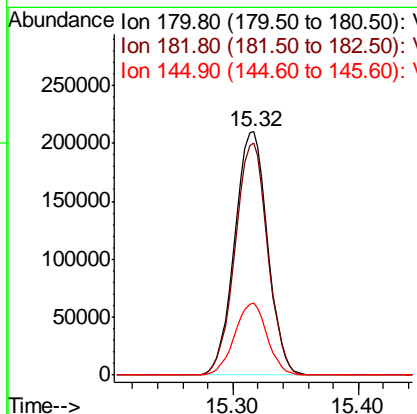
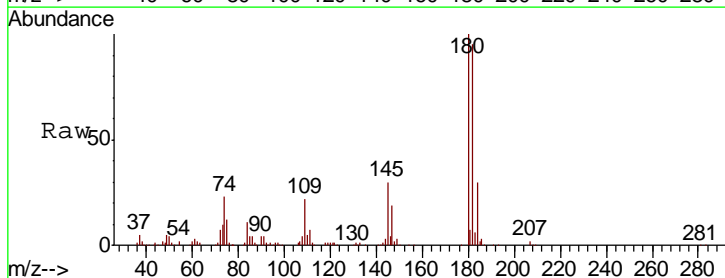
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 8/15/2018 3:21:11 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 44.86 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	29.3	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050588.D
 Acq On : 14 Aug 2018 1:24
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Manual Integrations
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MMDadoda
 8/15/2018 3:21:42 PM

Quant Time: Aug 14 07:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	681038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	988476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	929864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	496968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	829902	91.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.84%	
35) Dibromofluoromethane	7.59	113	778900	98.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.14%	
50) Toluene-d8	10.09	98	3030842	101.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.04%	
62) 4-Bromofluorobenzene	12.40	95	1047670	103.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.96%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	730793	96.58	ug/l	98
3) Chloromethane	2.06	50	934650	92.51	ug/l	100
4) Vinyl Chloride	2.18	62	964327	98.35	ug/l	100
5) Bromomethane	2.55	94	568373	94.57	ug/l	99
6) Chloroethane	2.70	64	571456	95.02	ug/l	100
7) Trichlorofluoromethane	3.01	101	1224600	96.88	ug/l	100
8) Diethyl Ether	3.41	74	432719	94.17	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	742001	94.90	ug/l	99
10) Methyl Iodide	3.95	142	599205	158.65	ug/l	100
11) Tert butyl alcohol	4.79	59	235563	347.28	ug/l	100
12) 1,1-Dichloroethene	3.73	96	707211	96.15	ug/l	99
13) Acrolein	3.61	56	86980	119.84	ug/l	99
14) Allyl chloride	4.32	41	1139170	97.22	ug/l	99
15) Acrylonitrile	4.99	53	1274390	427.64	ug/l	100
16) Acetone	3.82	43	1067616	375.45	ug/l	98
17) Carbon Disulfide	4.05	76	2239777	93.62	ug/l	99
18) Methyl Acetate	4.33	43	589158	72.67	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1923283	93.75	ug/l	100
20) Methylene Chloride	4.55	84	813770	80.38	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	777271	97.71	ug/l	99
22) Diisopropyl ether	5.96	45	2418591	100.60	ug/l	98
23) Vinyl Acetate	5.90	43	8138272	481.97	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1429458	96.59	ug/l	100
25) 2-Butanone	6.84	43	1746630	403.54	ug/l	99
26) 2,2-Dichloropropane	6.83	77	937581	79.25	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	874509	99.34	ug/l	100
28) Bromochloromethane	7.20	49	680226	99.71	ug/l	99
29) Tetrahydrofuran	7.21	42	928065	399.70	ug/l	99
30) Chloroform	7.37	83	1414838	95.65	ug/l	100
31) Cyclohexane	7.65	56	1309725	88.37	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1228980	96.75	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1128387	104.04	ug/l	99
37) Ethyl Acetate	6.93	43	644980	85.93	ug/l	99
38) Carbon Tetrachloride	7.78	117	1105787	97.75	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050588.D
 Acq On : 14 Aug 2018 1:24
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Manual Integrations
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 8/15/2018 3:21:42 PM

Quant Time: Aug 14 07:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1248983	105.56	ug/l	99
40) Benzene	8.04	78	3354198	100.46	ug/l	99
41) Methacrylonitrile	7.18	41	369121	91.08	ug/l	96
42) 1,2-Dichloroethane	8.13	62	995943	94.84	ug/l	100
43) Isopropyl Acetate	8.17	43	1144261	87.35	ug/l #	86
44) Trichloroethene	8.84	130	880452	98.04	ug/l	100
45) 1,2-Dichloropropane	9.12	63	871094	99.29	ug/l	99
46) Dibromomethane	9.21	93	506228	94.46	ug/l	98
47) Bromodichloromethane	9.40	83	1099646	98.09	ug/l	100
48) Methyl methacrylate	9.20	41	585609	89.55	ug/l	100
49) 1,4-Dioxane	9.20	88	156891	1578.31	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3983108	425.86	ug/l	100
52) Toluene	10.16	92	2099876	104.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1121829	100.79	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1288545	103.18	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	731444	94.36	ug/l	99
56) Ethyl methacrylate	10.43	69	969899	100.54	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1242645	97.56	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2307506	512.03	ug/l	100
59) 2-Hexanone	10.75	43	2668395	411.42	ug/l	99
60) Dibromochloromethane	10.90	129	855059	99.99	ug/l	99
61) 1,2-Dibromoethane	11.01	107	736686	96.84	ug/l	99
64) Tetrachloroethene	10.63	164	828130	95.46	ug/l	99
65) Chlorobenzene	11.43	112	2320753	99.50	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	846880	99.53	ug/l	99
67) Ethyl Benzene	11.51	91	4047102	107.33	ug/l	100
68) m/p-Xylenes	11.62	106	3094891	215.46	ug/l	99
69) o-Xylene	11.95	106	1498306	108.48	ug/l	100
70) Styrene	11.96	104	2483146	110.86	ug/l	100
71) Bromoform	12.13	173	593140	97.15	ug/l #	100
73) Isopropylbenzene	12.25	105	3963289	105.48	ug/l	100
74) N-amyl acetate	12.07	43	1036431	88.20	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	897256	84.59	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	808533m	90.03	ug/l	
77) Bromobenzene	12.53	156	1009227	100.39	ug/l	100
78) n-propylbenzene	12.59	91	4528598	106.58	ug/l	100
79) 2-Chlorotoluene	12.68	91	2674457	101.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3239718	106.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	229471	92.46	ug/l	99
82) 4-Chlorotoluene	12.77	91	2740743	104.73	ug/l	100
83) tert-Butylbenzene	12.99	119	2814820	106.29	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3325036	107.90	ug/l	99
85) sec-Butylbenzene	13.17	105	3687248	104.25	ug/l	99
86) p-Isopropyltoluene	13.29	119	3262447	107.78	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1786606	100.18	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1747856	98.25	ug/l	100
89) n-Butylbenzene	13.62	91	2692785	105.24	ug/l	100
90) Hexachloroethane	13.88	117	563638	103.78	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1689473	94.90	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	130946	74.04	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050588.D
 Acq On : 14 Aug 2018 1:24
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
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 8/15/2018 3:21:42 PM

Quant Time: Aug 14 07:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	934804	104.48	ug/l	100
94) Hexachlorobutadiene	15.01	225	494557	75.87	ug/l	98
95) Naphthalene	15.13	128	1994372	98.57	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	866071	95.78	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

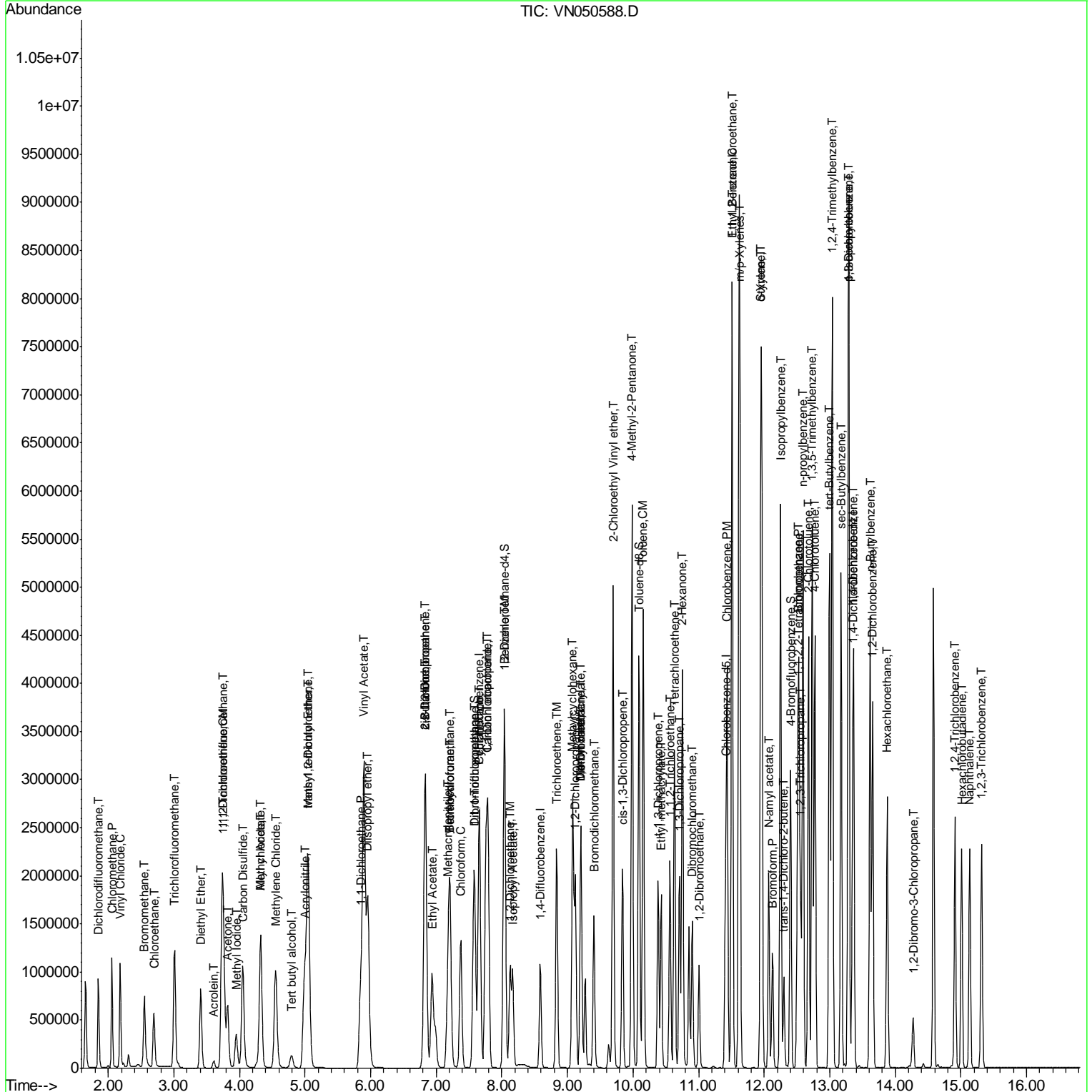
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Acq On : 14 Aug 2018 1:24
Operator : MD\SY
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sampled :
VSTDIC100

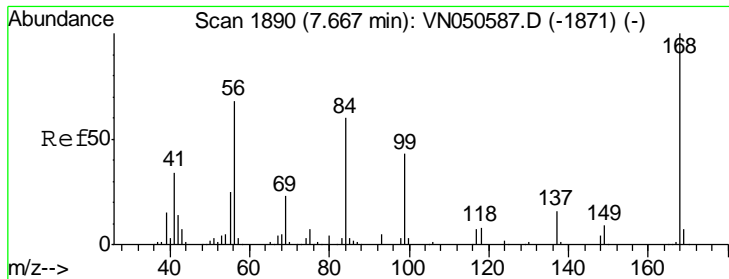
Manual Integrations
APPROVED

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8/15/2018 3:21:42 PM

Quant Time: Aug 14 07:48:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 07:26:24 2018
Response via : Initial Calibration



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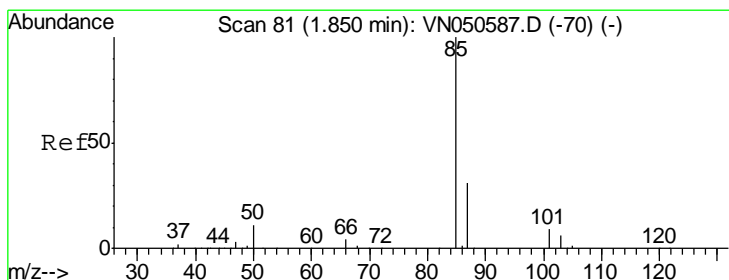
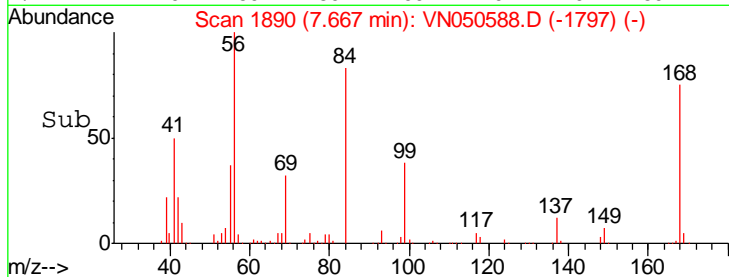
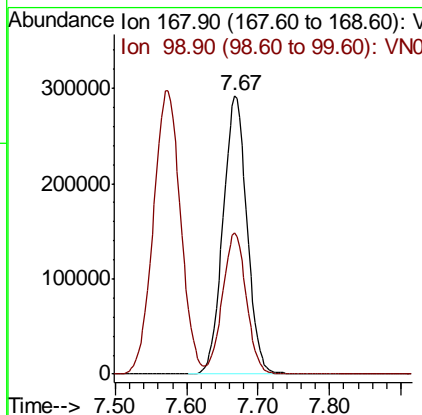
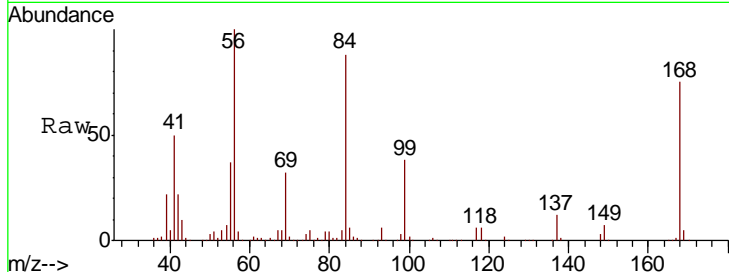
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.4	40.8	61.2

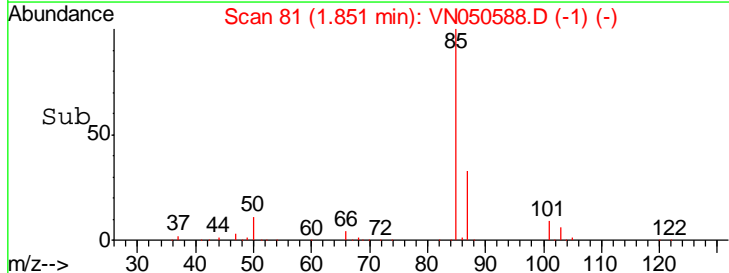
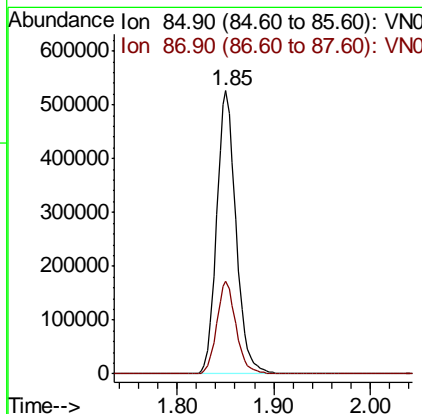
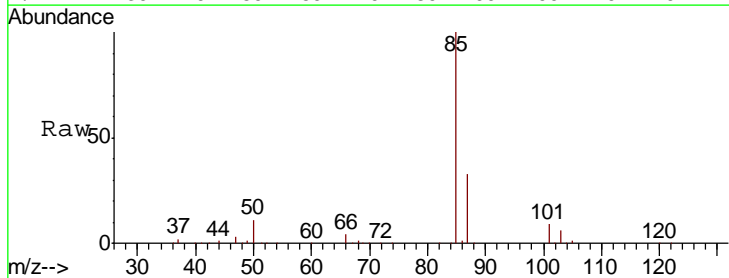
Manual Integrations
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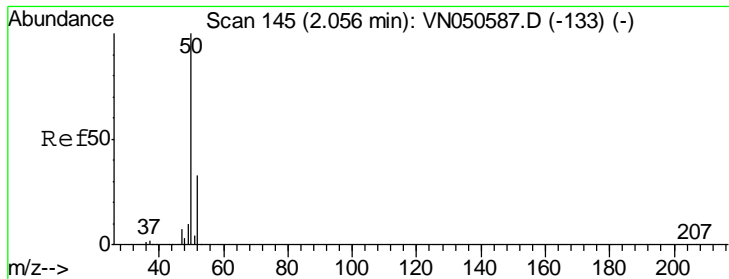
MMDadoda
 8/15/2018 3:21:42 PM



#2
 Dichlorodifluoromethane
 Concen: 96.58 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.8	15.8	47.3





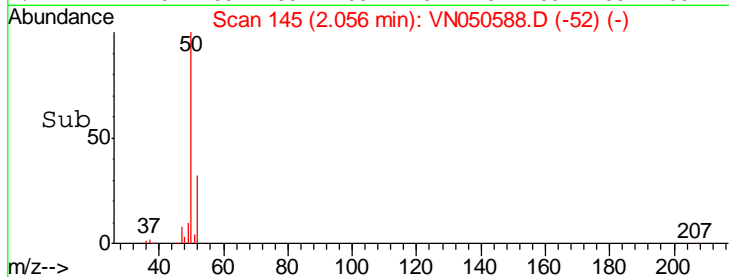
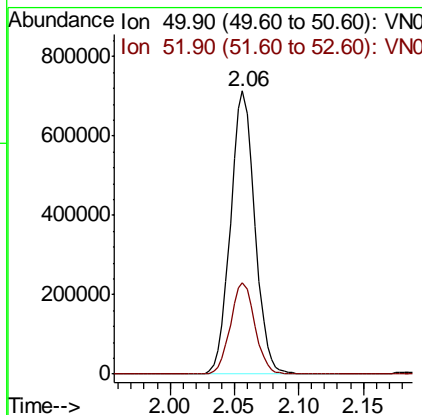
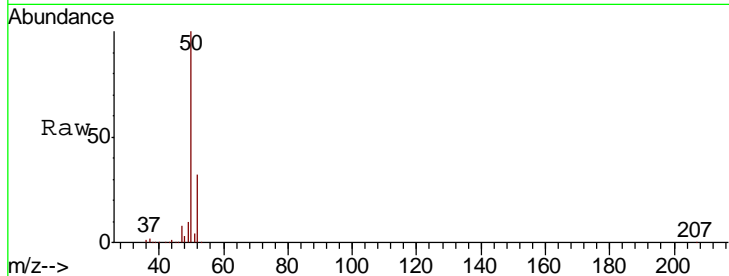
#3
 Chloromethane
 Concen: 92.51 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.4	26.0	39.0

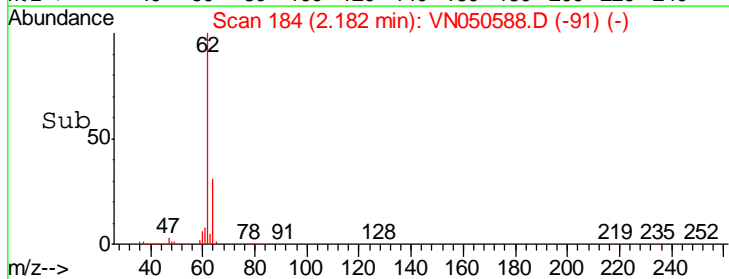
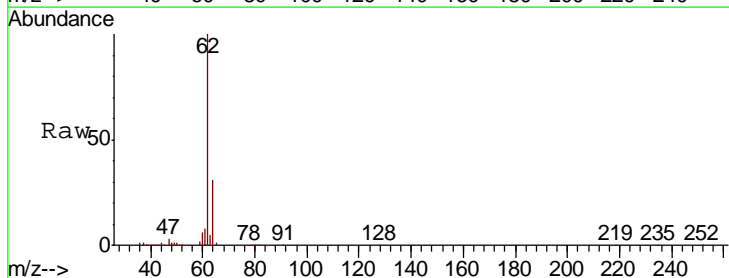
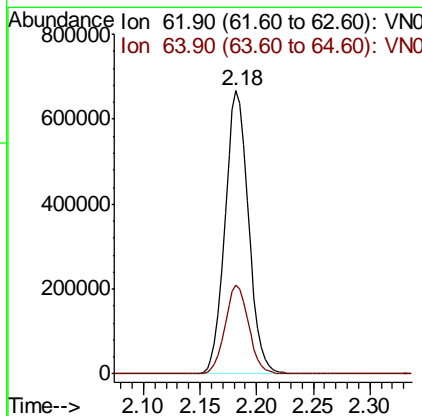
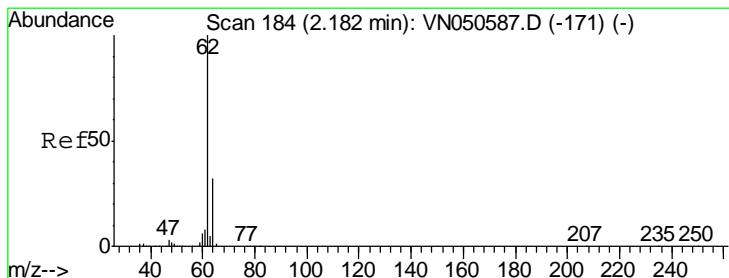
Manual Integrations
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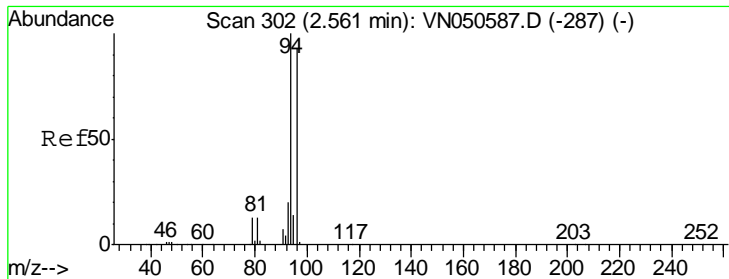
MMDadoda
 8/15/2018 3:21:42 PM



#4
 Vinyl Chloride
 Concen: 98.35 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.4	25.2	37.8



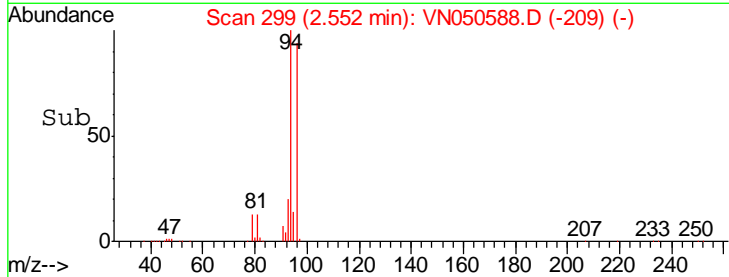
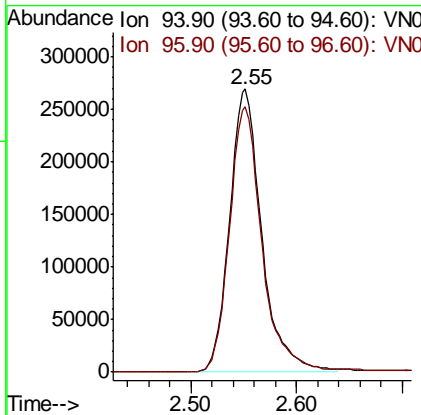
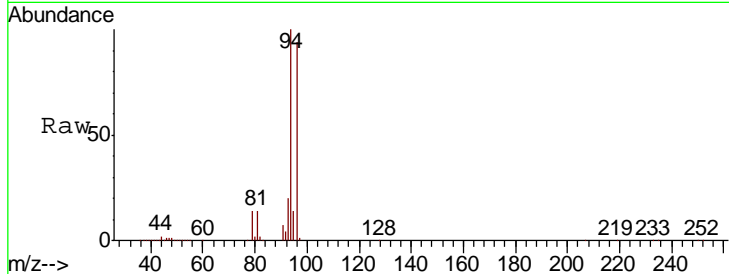


#5
 Bromomethane
 Concen: 94.57 ug/l
 RT: 2.55 min Scan# 299
 Delta R.T. -0.01 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.9	74.0	111.0

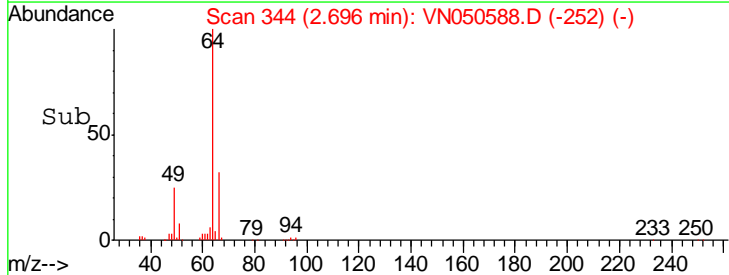
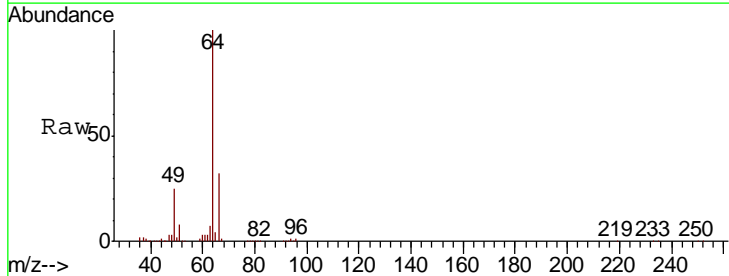
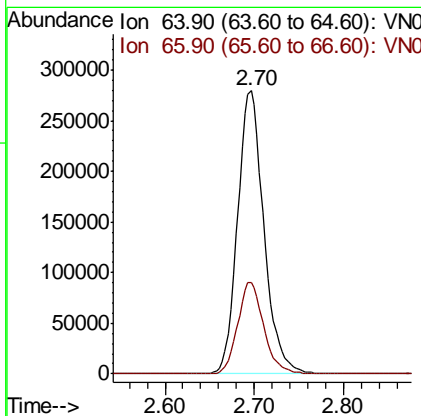
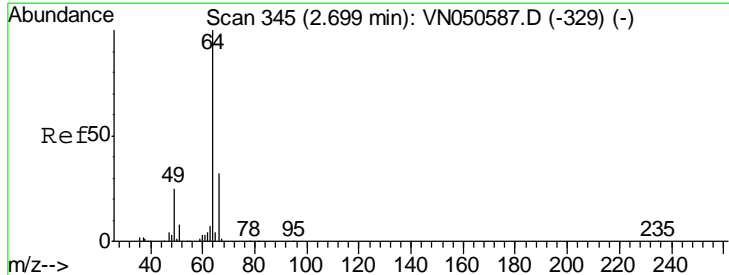
Instrument : MSVOA_N
 ClientSampled : VSTDIC100

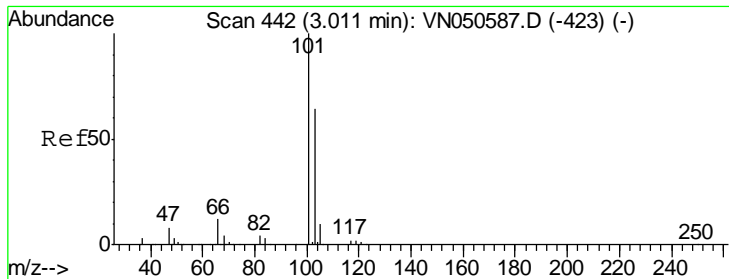
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 95.02 ug/l
 RT: 2.70 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.2	25.7	38.5



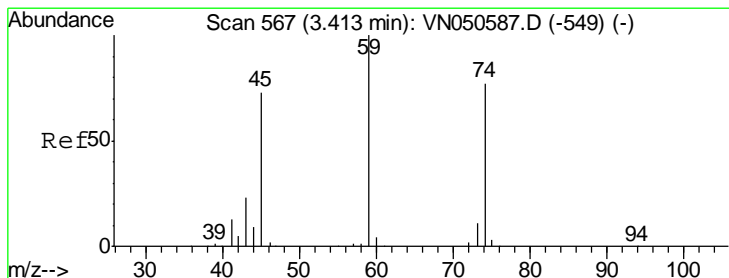
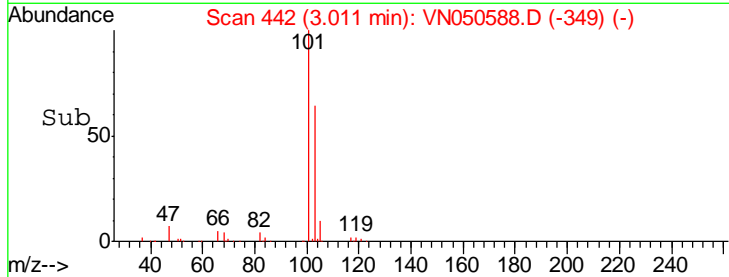
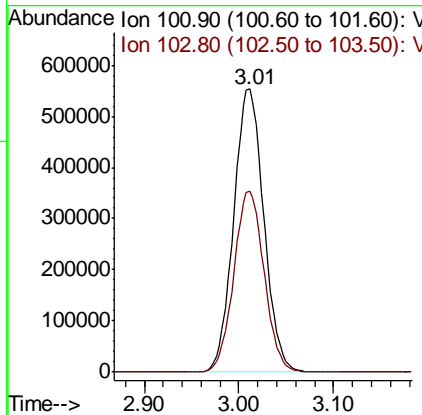
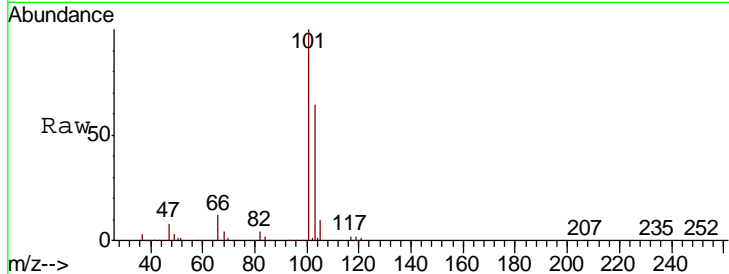


#7
 Trichlorofluoromethane
 Concen: 96.88 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
101	100		
103	64.0	51.4	77.0

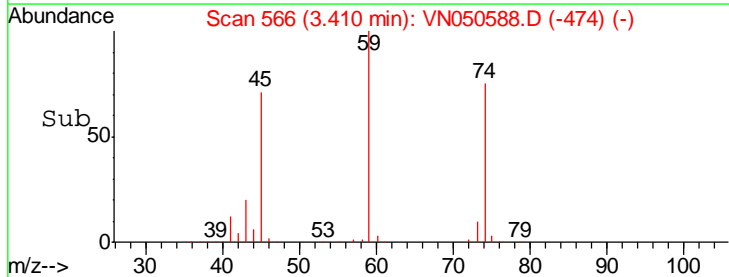
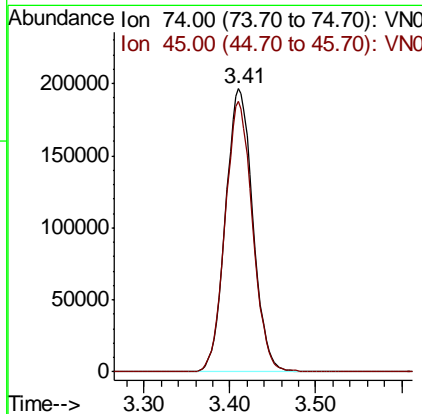
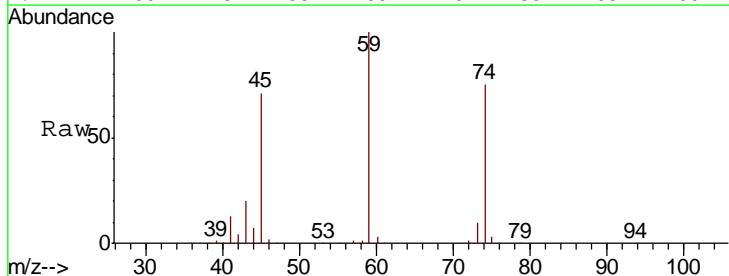
Instrument : MSVOA_N
 Client Sampled : VSTDIC100

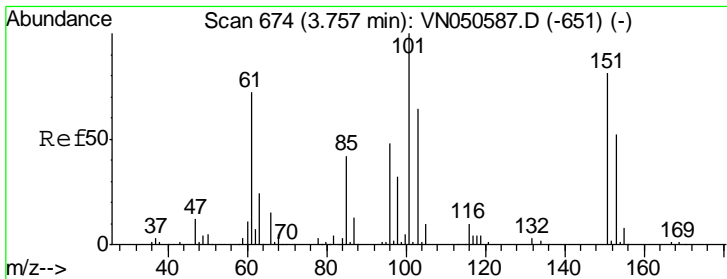
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#8
 Diethyl Ether
 Concen: 94.17 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
74	100		
45	95.6	48.0	144.2





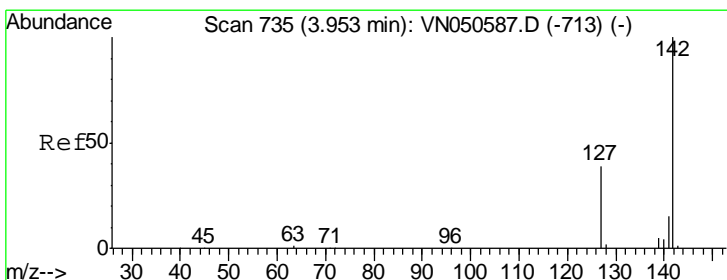
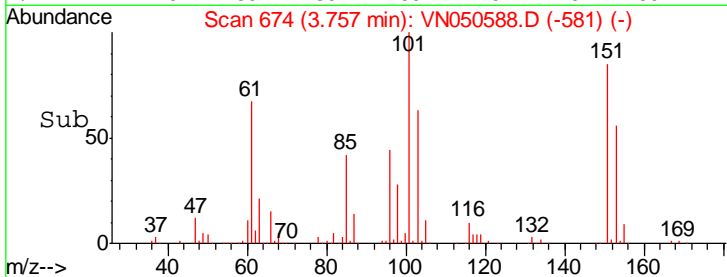
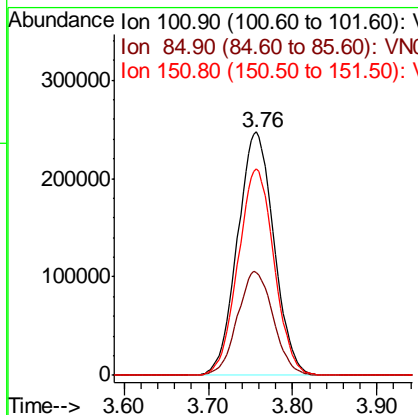
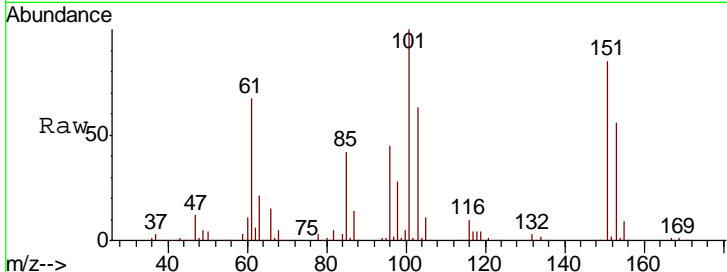
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 94.90 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	742001		
101	100		
85	42.1	33.4	50.0
151	84.0	66.6	100.0

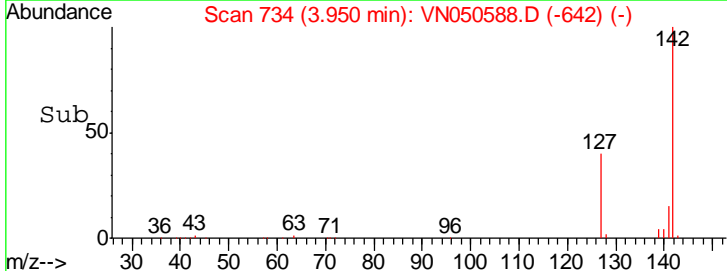
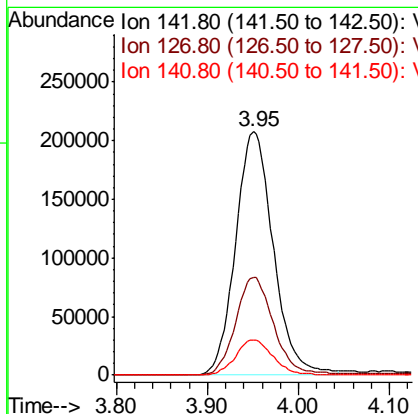
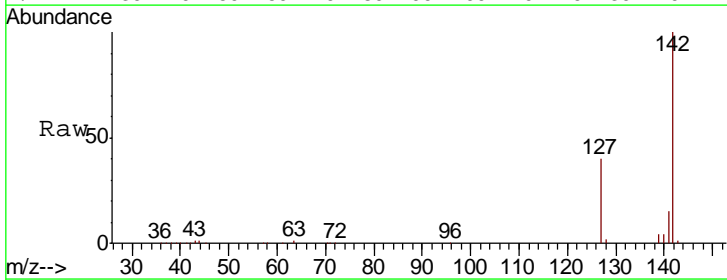
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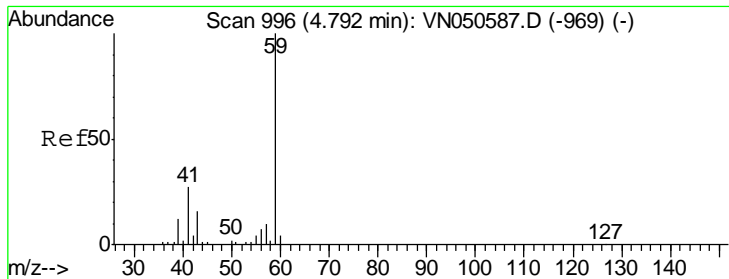
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#10
 Methyl Iodide
 Concen: 158.65 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
142	599205		
142	100		
127	40.7	32.6	49.0
141	14.3	11.5	17.3





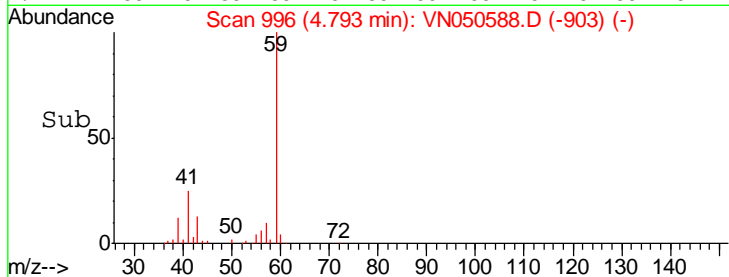
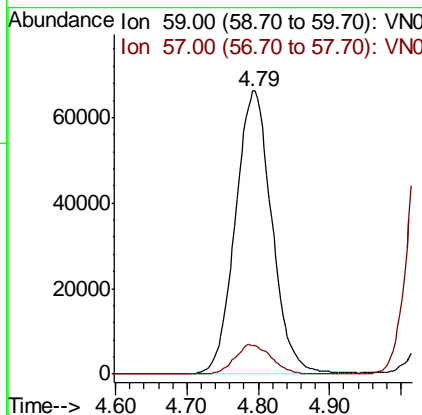
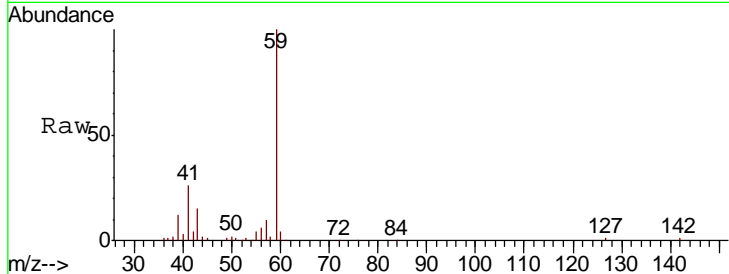
#11
 Tert butyl alcohol
 Concen: 347.28 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.4	8.4	12.6

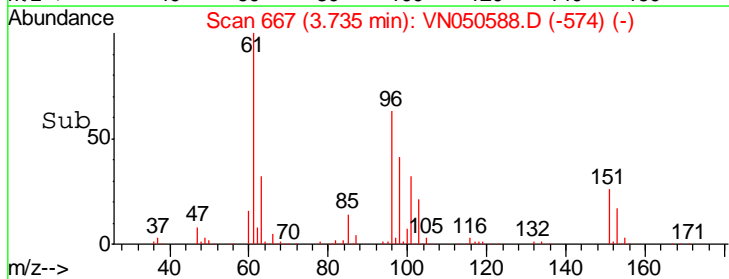
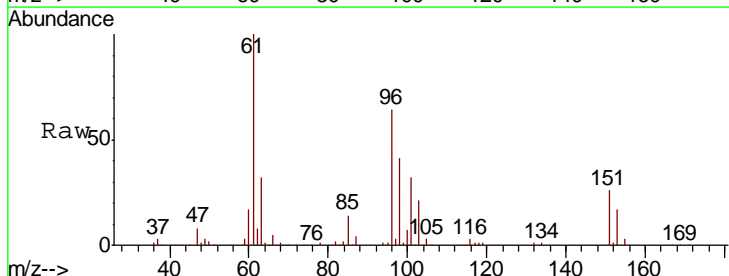
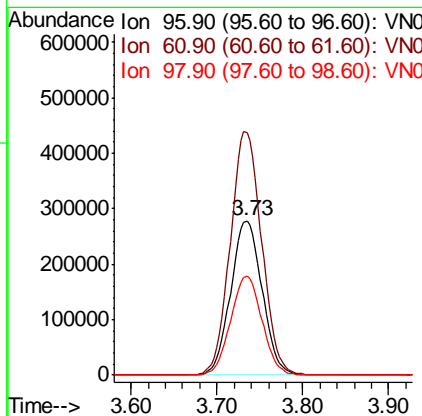
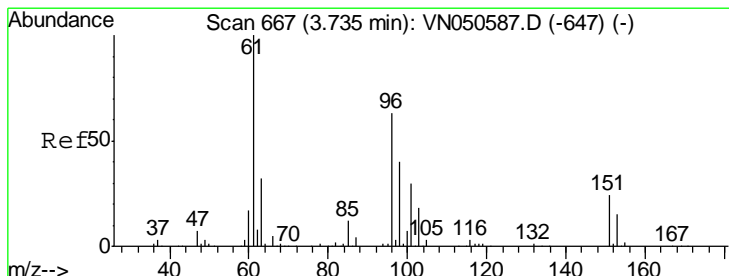
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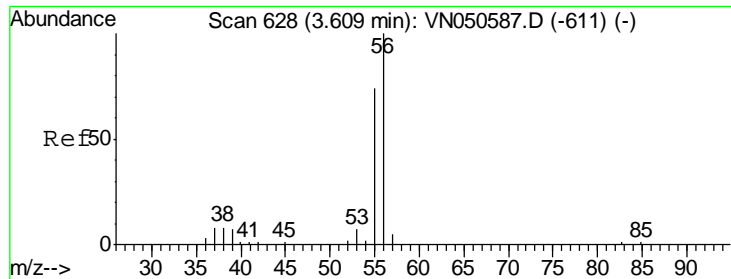
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#12
 1,1-Dichloroethene
 Concen: 96.15 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
96	100		
61	157.3	126.9	190.3
98	64.5	51.1	76.7





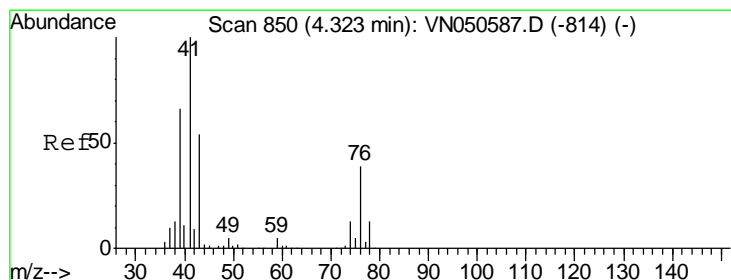
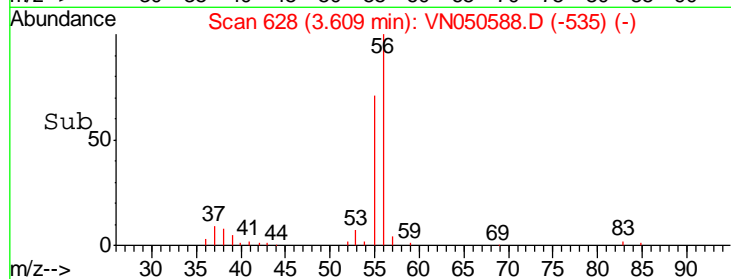
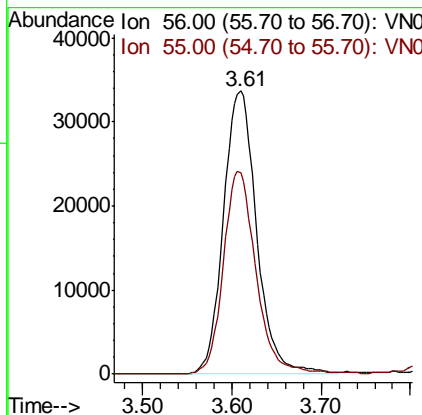
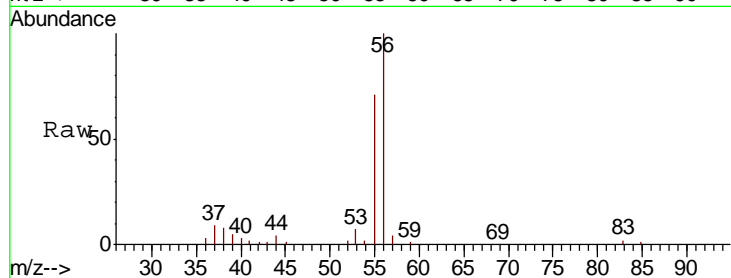
#13
 Acrolein
 Concen: 119.84 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	100		
55	69.9	56.3	84.5

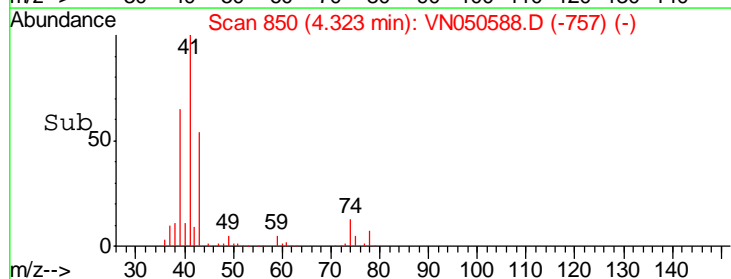
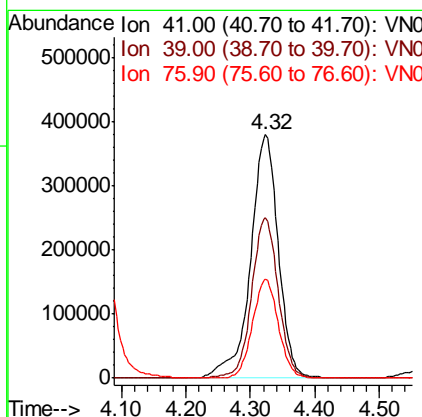
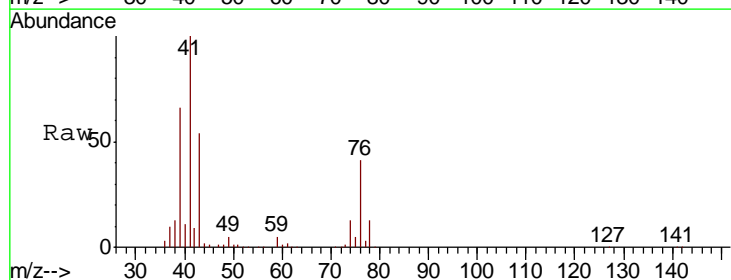
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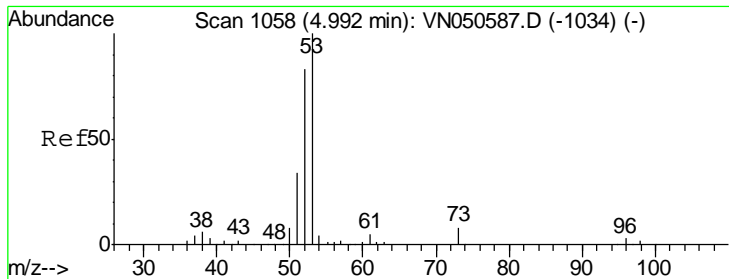
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#14
 Allyl chloride
 Concen: 97.22 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
41	100		
39	63.1	51.4	77.0
76	37.4	29.4	44.0





#15
 Acrylonitrile
 Concen: 427.64 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

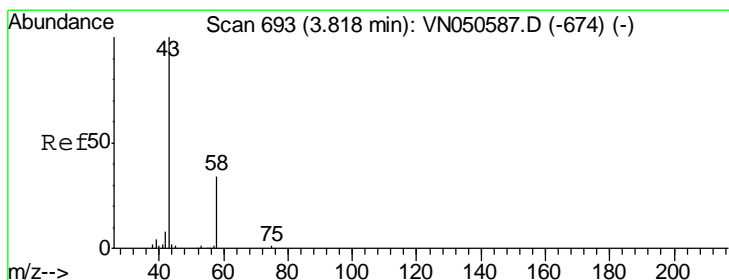
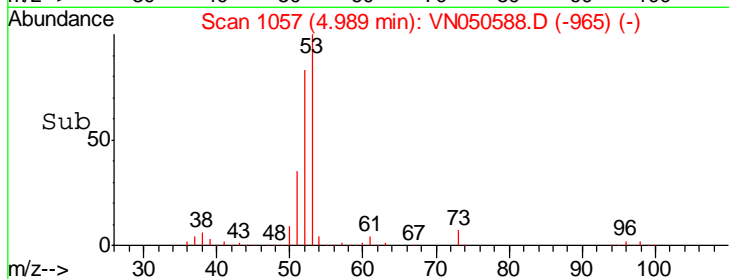
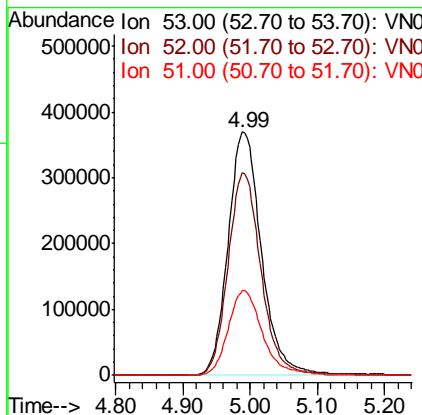
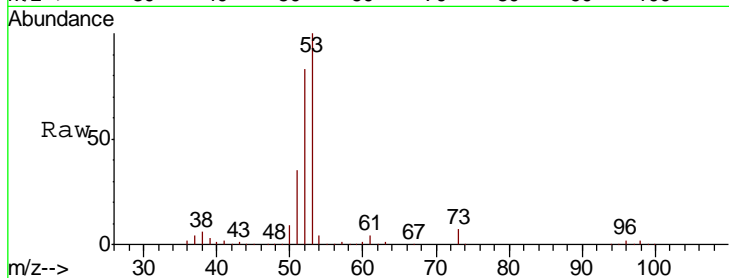
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 53 Resp: 1274390

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	36.1	28.6	43.0

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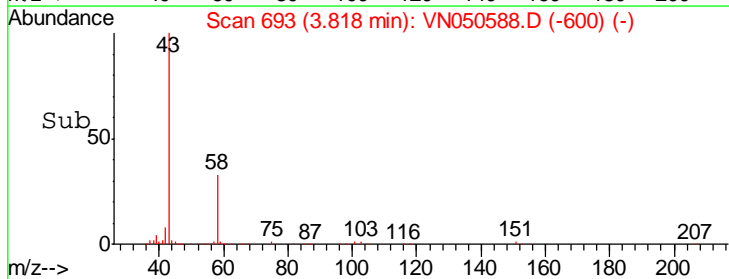
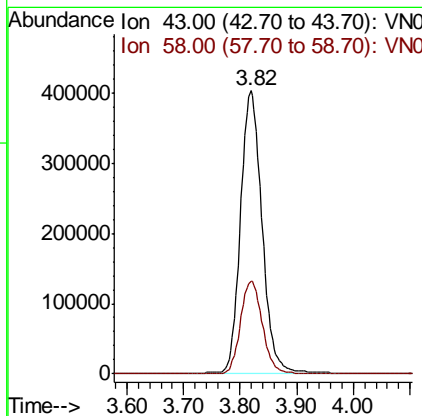
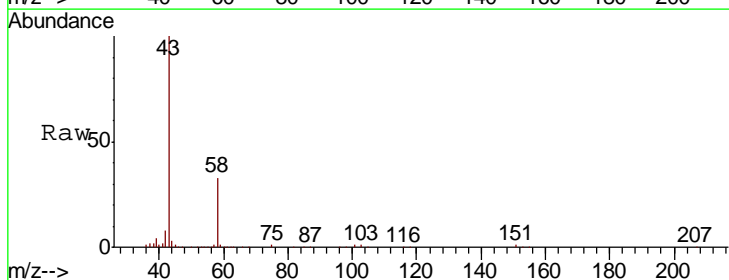
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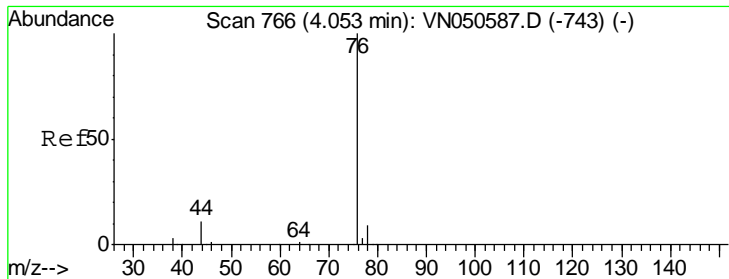


#16
 Acetone
 Concen: 375.45 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 43 Resp: 1067616

Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.1	40.7





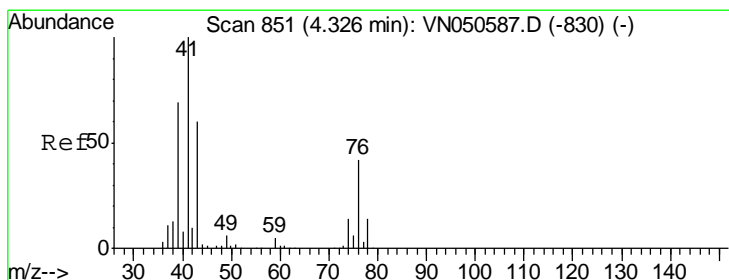
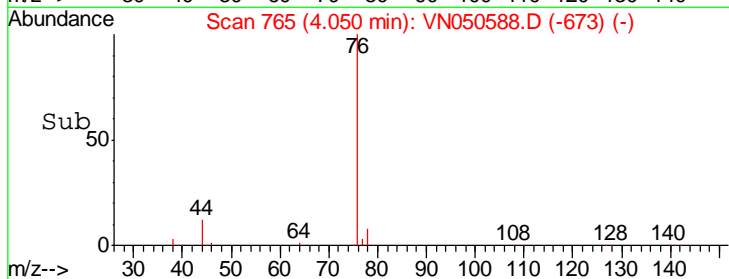
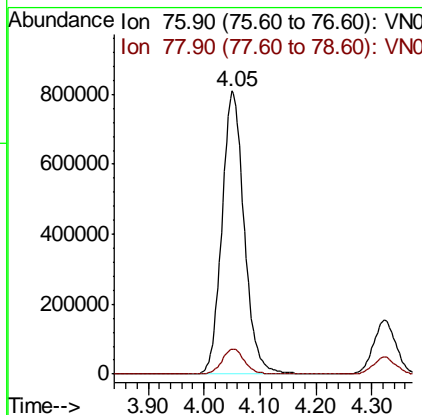
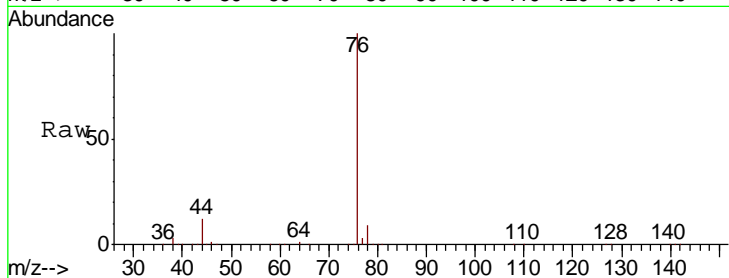
#17
 Carbon Disulfide
 Concen: 93.62 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	100		
78	8.9	7.3	10.9

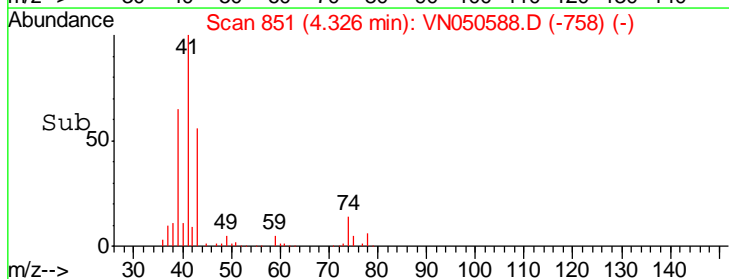
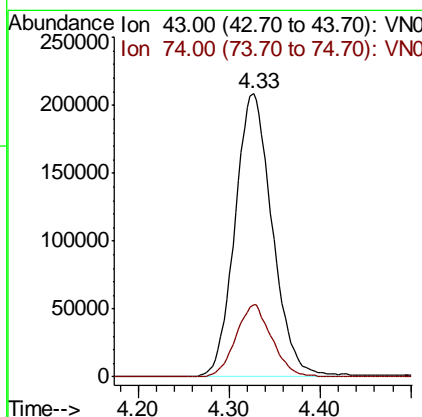
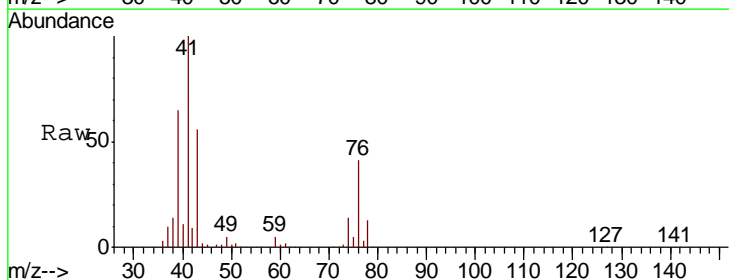
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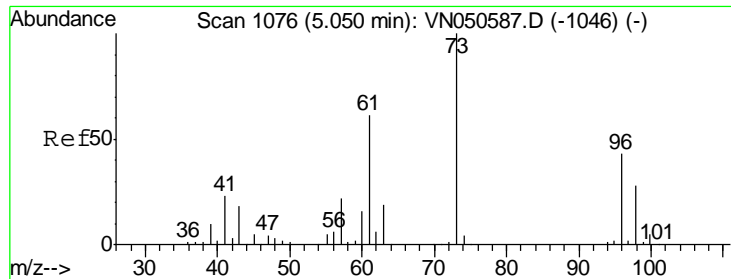
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#18
 Methyl Acetate
 Concen: 72.67 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
43	100		
74	25.0	19.7	29.5





#19
 Methyl tert-butyl Ether
 Concen: 93.75 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

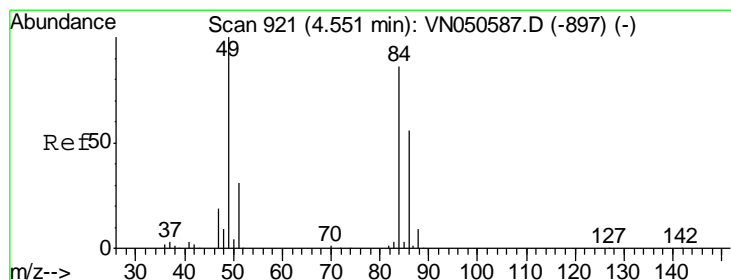
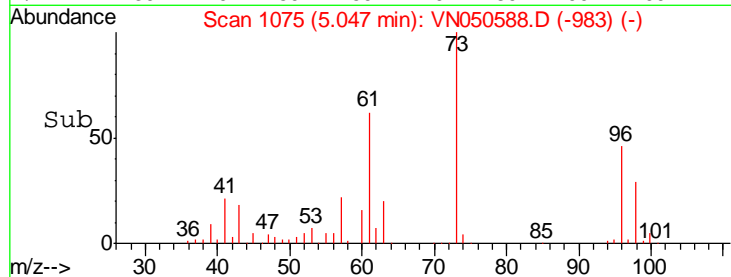
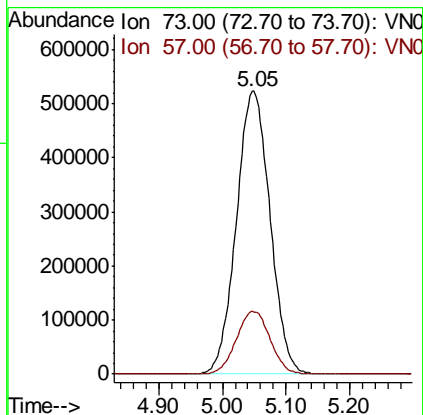
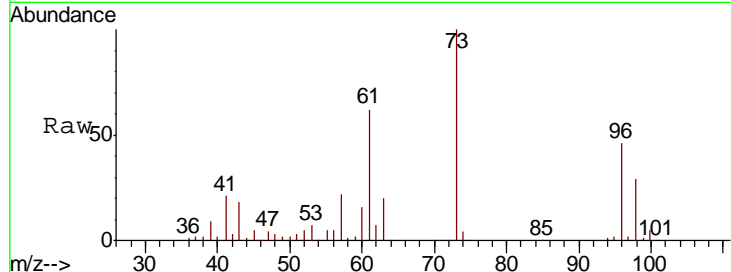
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 73 Resp: 1923283

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

Manual Integrations
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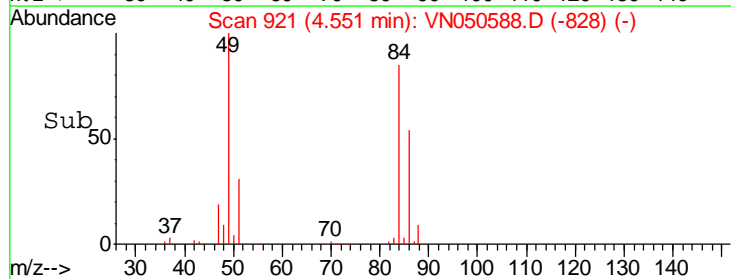
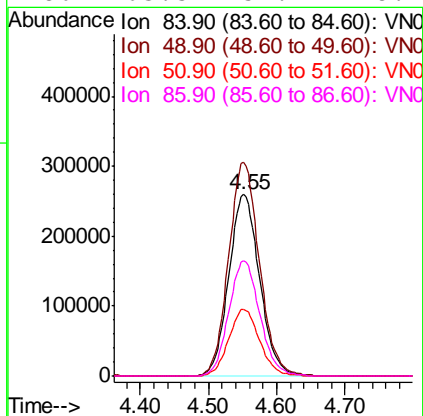
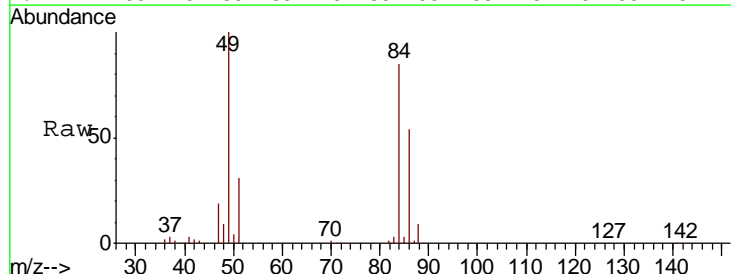
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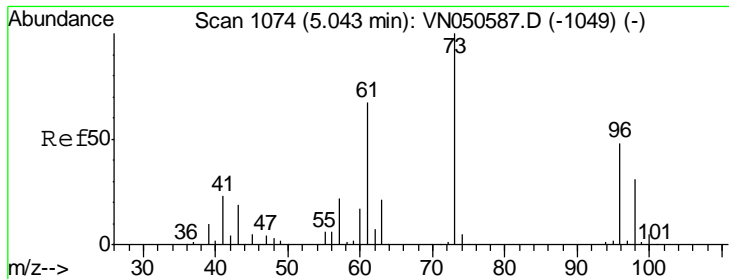


#20
 Methylene Chloride
 Concen: 80.38 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 84 Resp: 813770

Ion	Ratio	Lower	Upper
84	100		
49	117.8	92.6	138.8
51	36.6	28.6	43.0
86	63.5	52.2	78.2





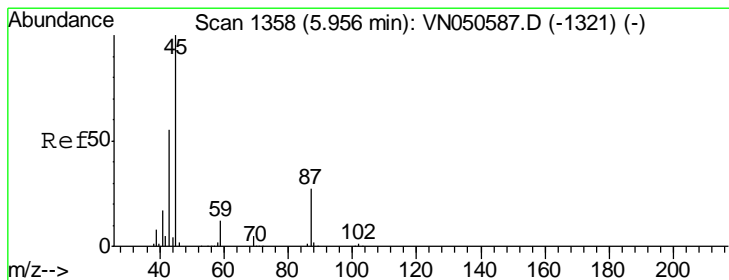
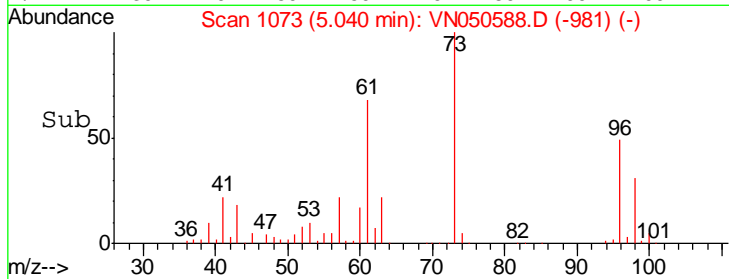
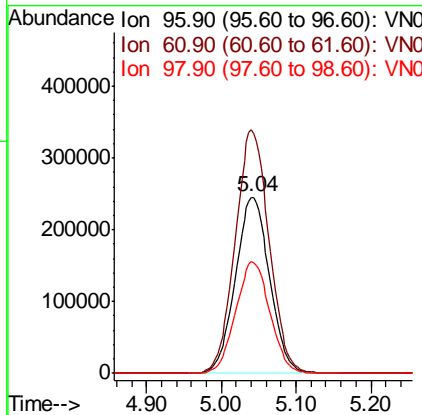
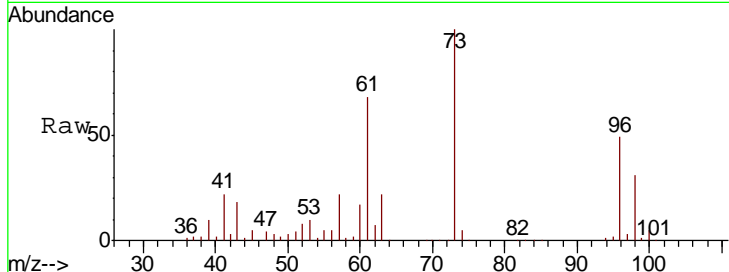
#21
 trans-1,2-Dichloroethene
 Concen: 97.71 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	777271		
96	100		
61	138.3	111.2	166.8
98	63.2	51.6	77.4

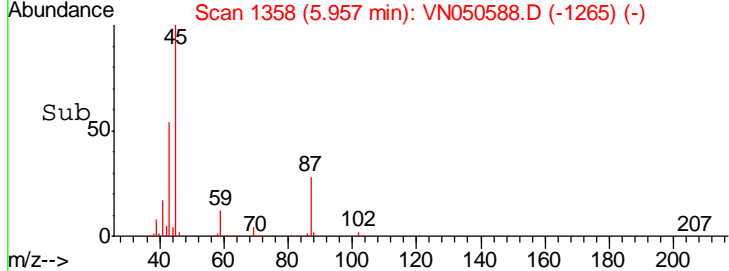
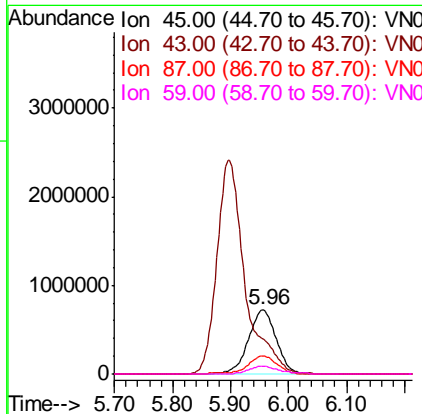
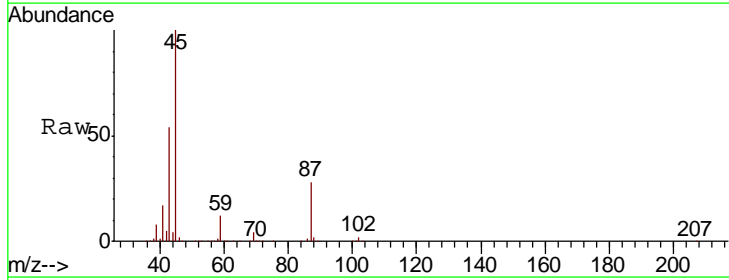
Manual Integrations
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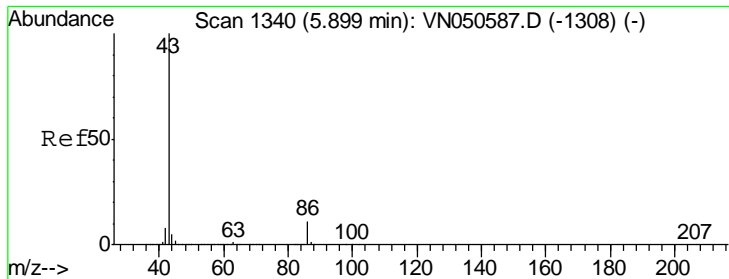
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#22
 Diisopropyl ether
 Concen: 100.60 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
45	2418591		
45	100		
43	53.8	44.5	66.7
87	28.2	22.2	33.2
59	11.9	9.5	14.3





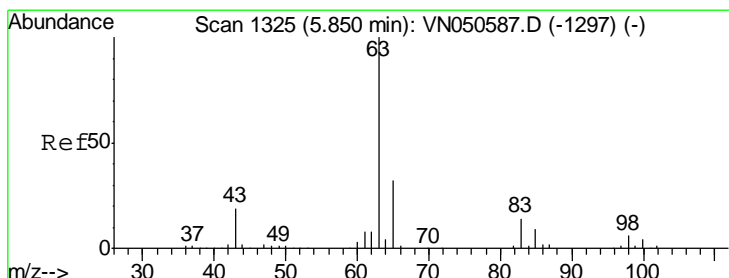
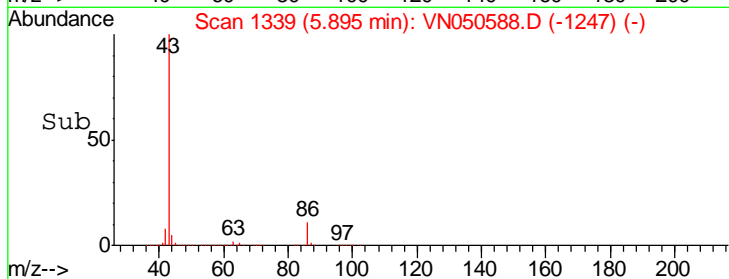
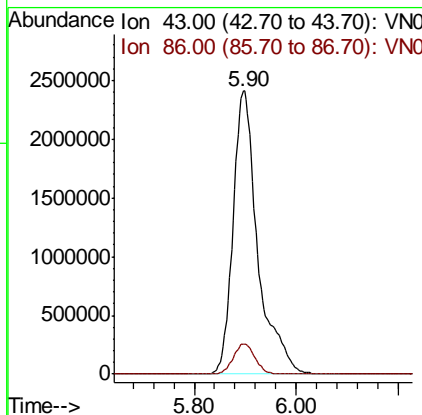
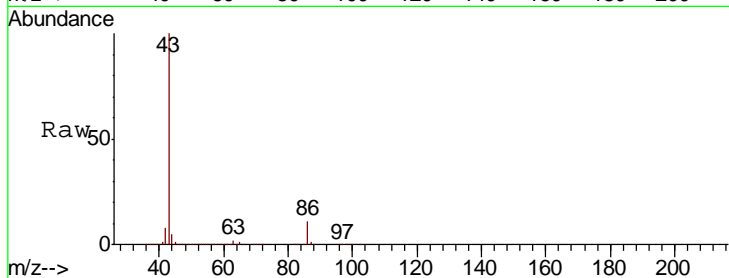
#23
 Vinyl Acetate
 Concen: 481.97 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.8	8.4	12.6

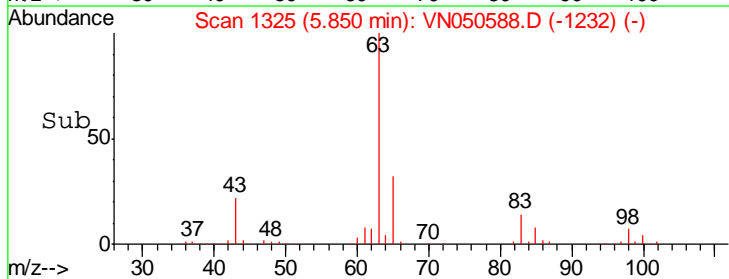
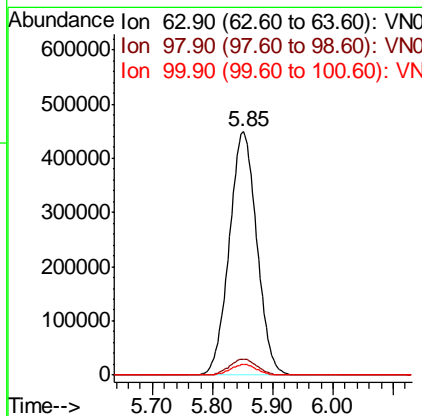
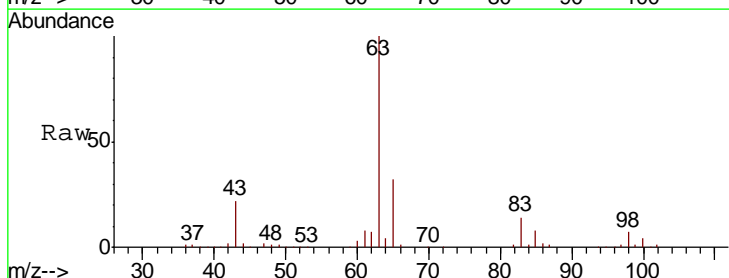
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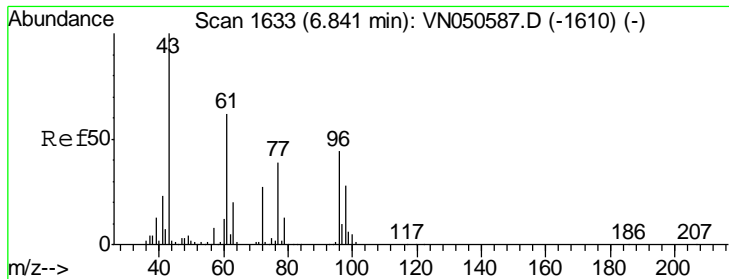
MMDadoda
 8/15/2018 3:21:42 PM



#24
 1,1-Dichloroethane
 Concen: 96.59 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.6	3.2	9.6
100	4.4	2.1	6.5





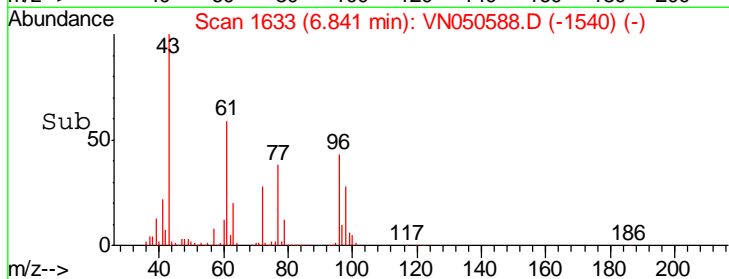
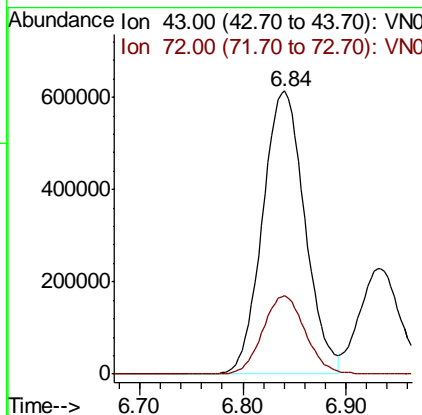
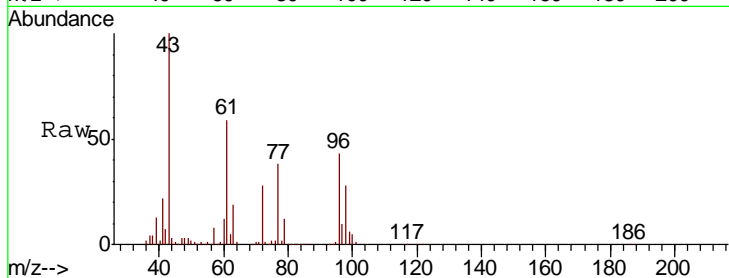
#25
 2-Butanone
 Concen: 403.54 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.6	21.8	32.6

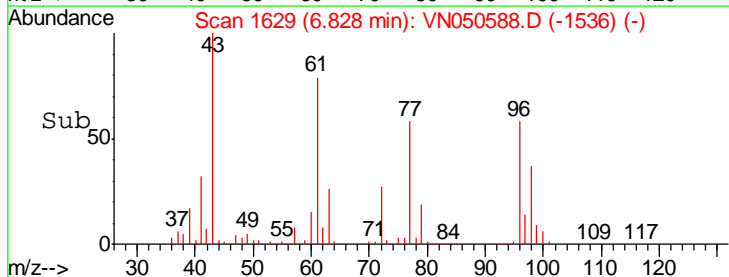
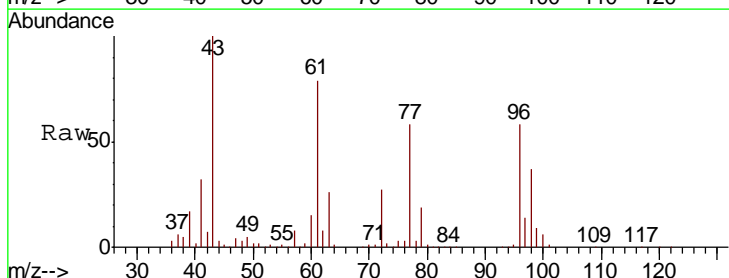
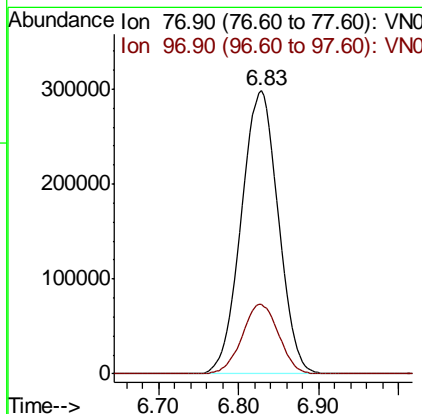
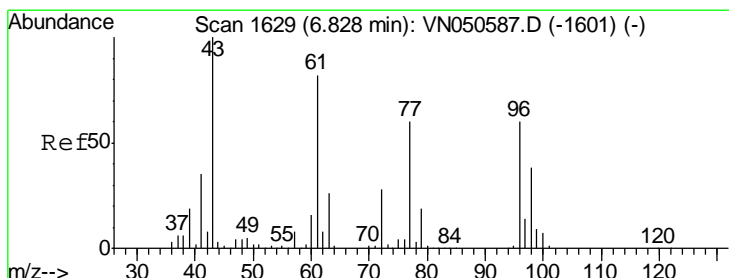
Manual Integrations
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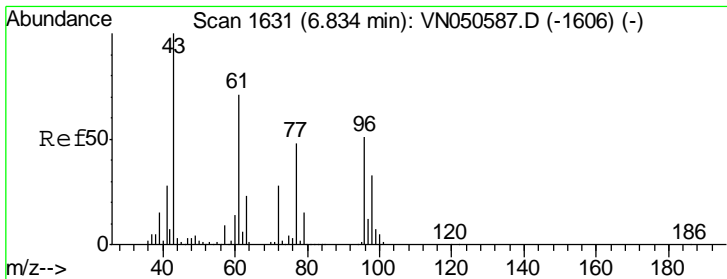
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 79.25 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.3	12.2	36.4





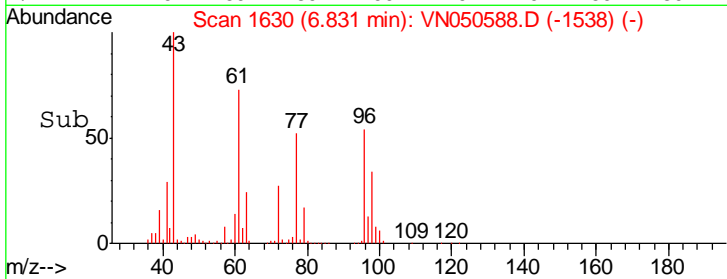
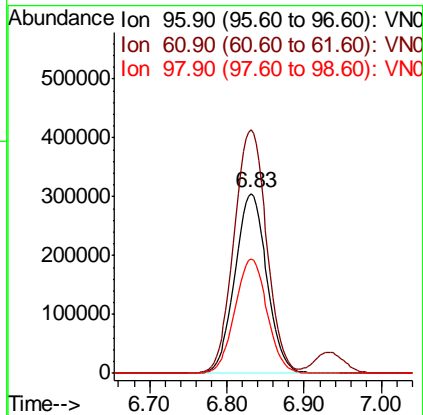
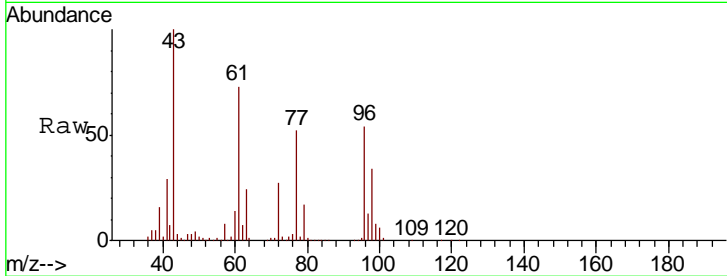
#27
 cis-1,2-Dichloroethene
 Concen: 99.34 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	874509		
96	100		
61	138.6	0.0	278.2
98	64.0	0.0	128.8

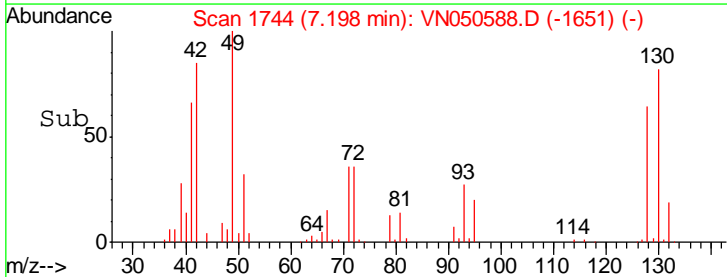
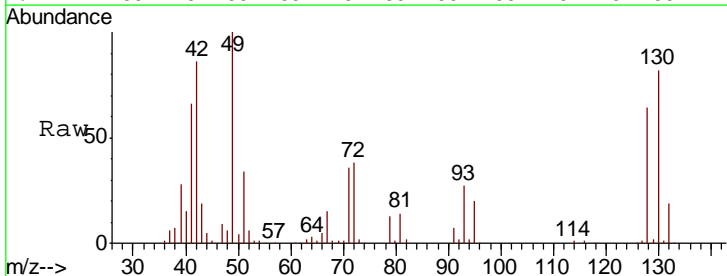
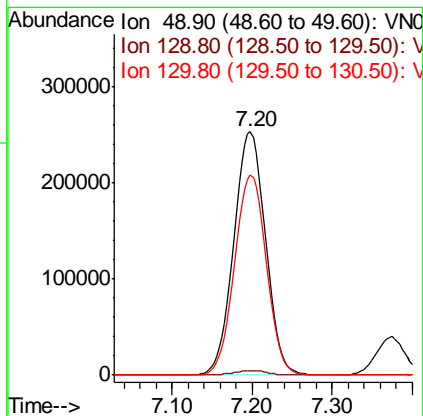
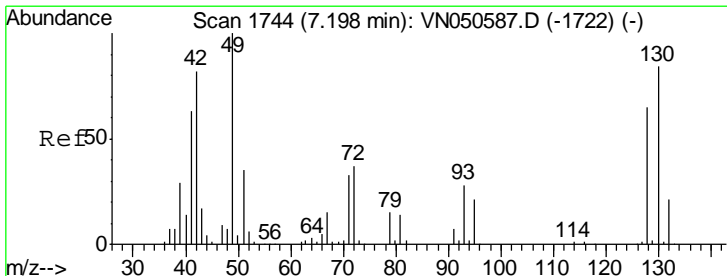
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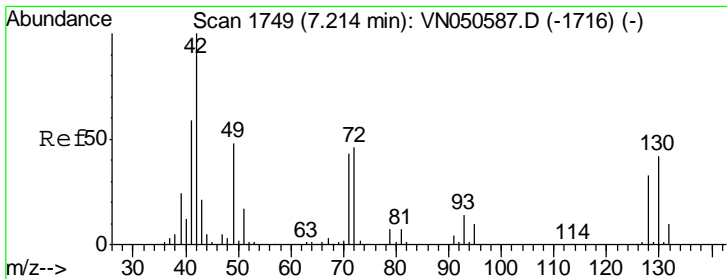
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#28
 Bromochloromethane
 Concen: 99.71 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
49	680226		
49	100		
129	2.0	0.0	4.2
130	82.5	66.8	100.2





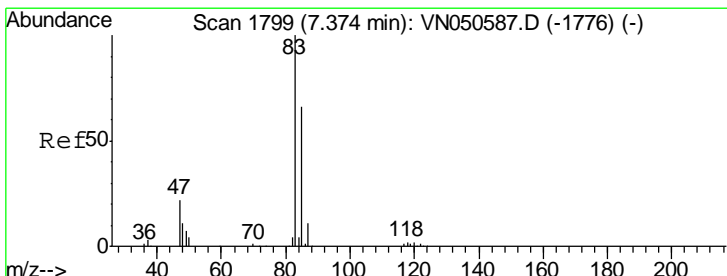
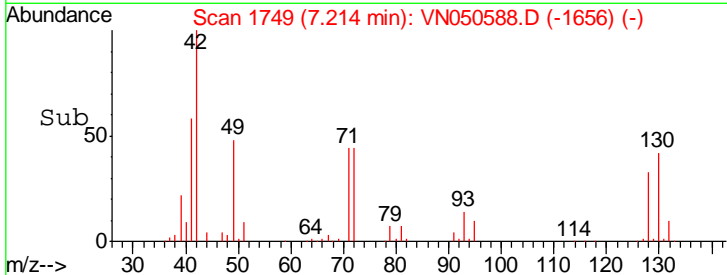
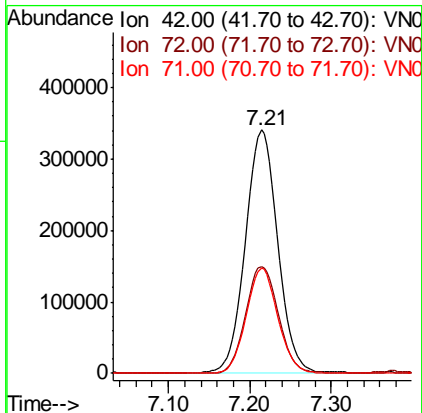
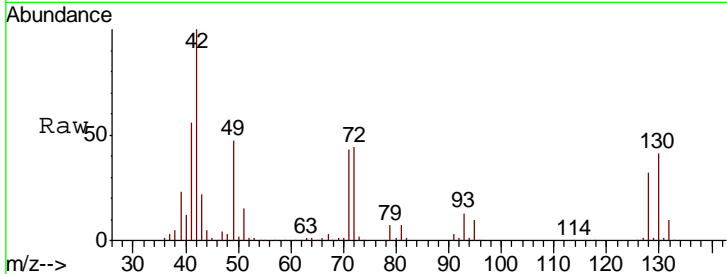
#29
 Tetrahydrofuran
 Concen: 399.70 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
42	100		
72	44.6	35.8	53.6
71	42.4	33.4	50.0

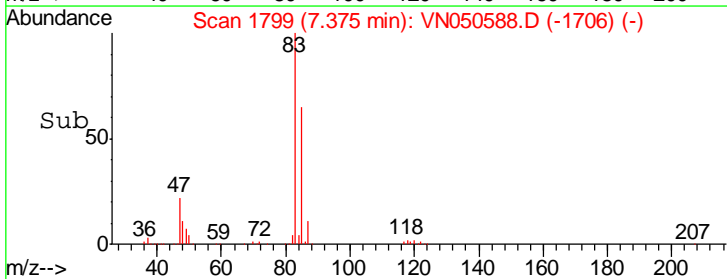
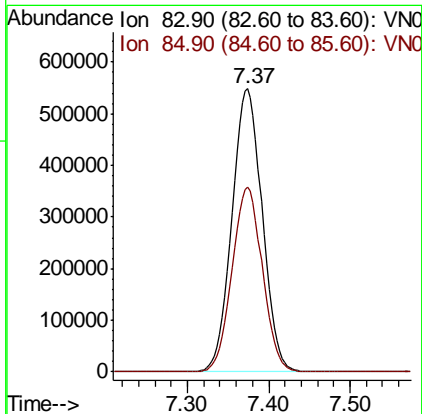
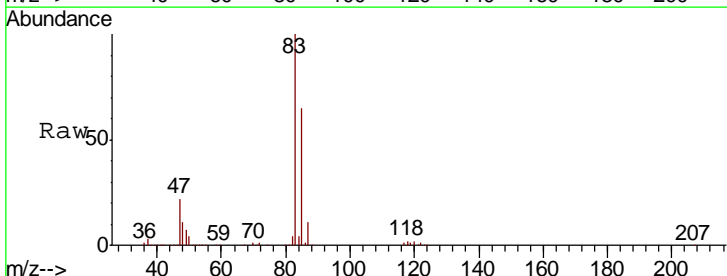
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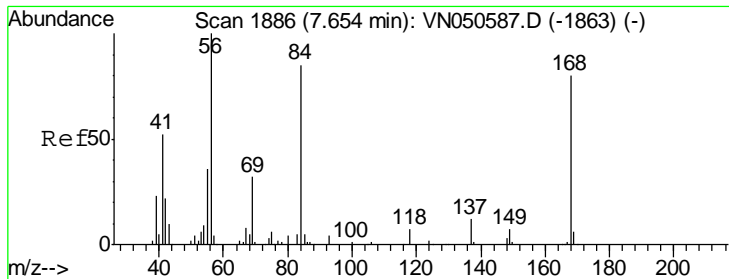
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#30
 Chloroform
 Concen: 95.65 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.5	52.5	78.7





#31
 Cyclohexane
 Concen: 88.37 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

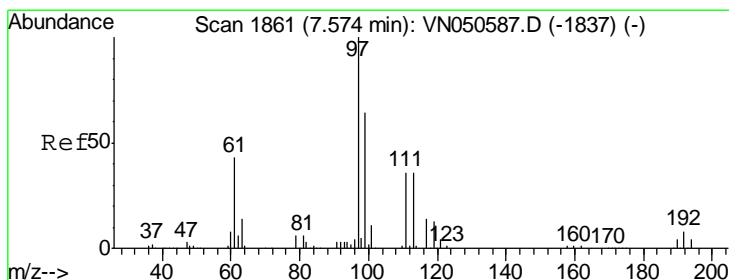
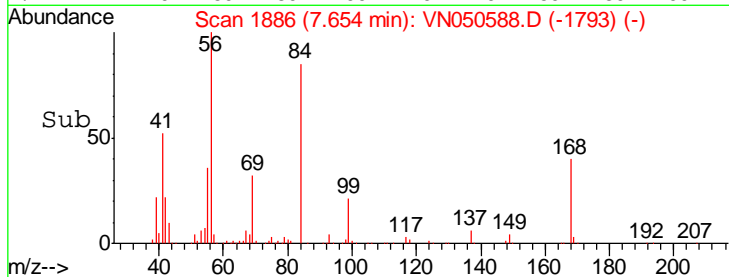
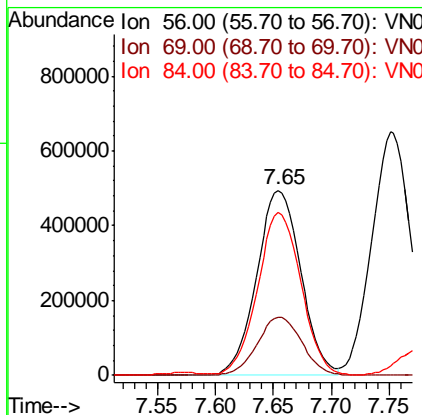
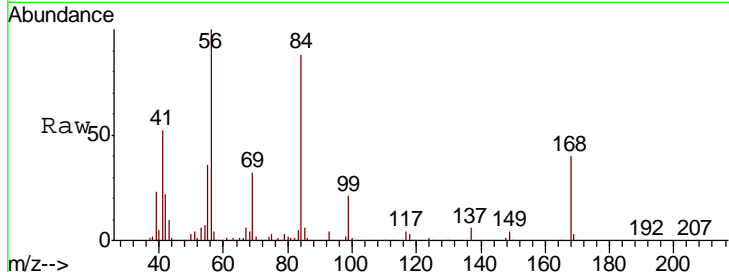
Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion: 56 Resp: 1309725

Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.8	38.6
84	86.3	67.8	101.6

Manual Integrations
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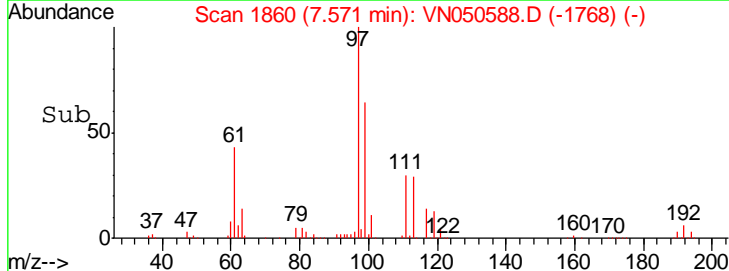
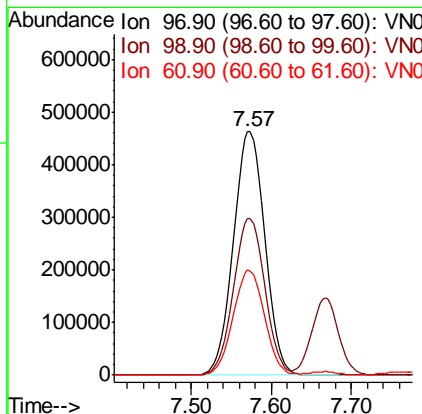
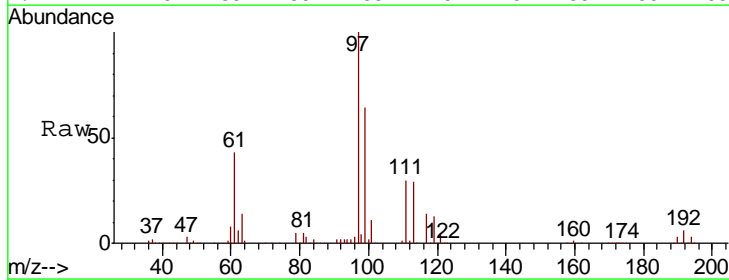
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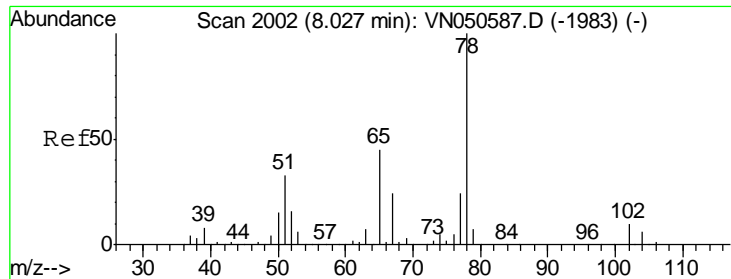


#32
 1,1,1-Trichloroethane
 Concen: 96.75 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 97 Resp: 1228980

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	43.1	34.8	52.2





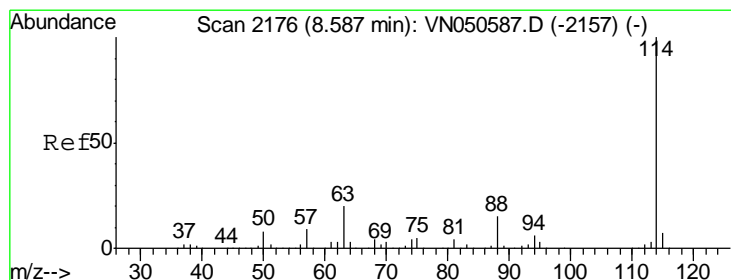
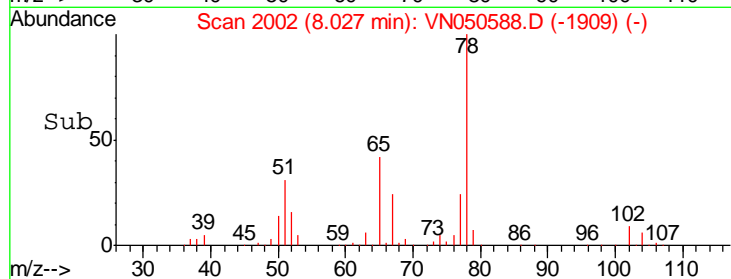
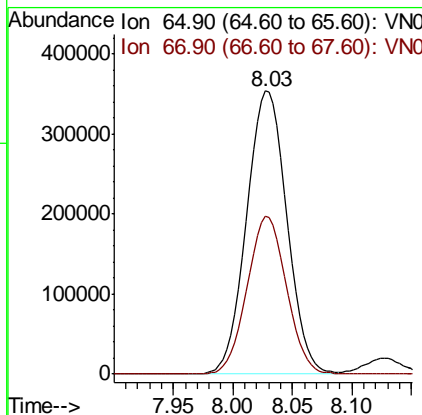
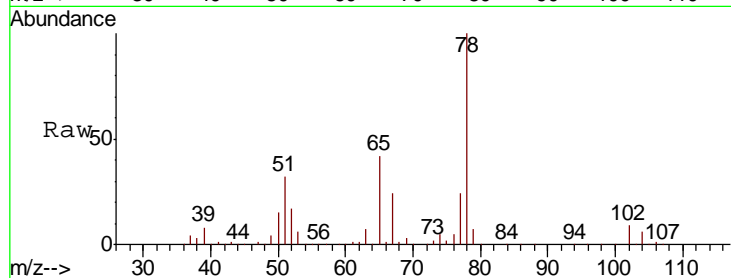
#33
 1,2-Dichloroethane-d4
 Concen: 91.92 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.5	0.0	109.8

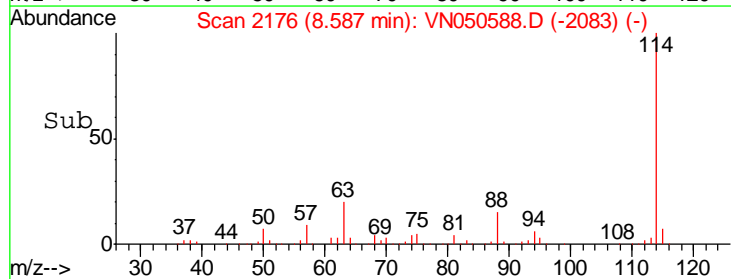
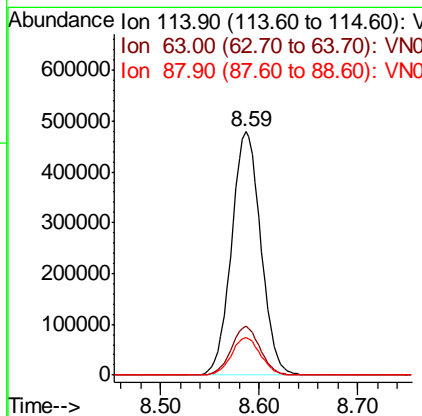
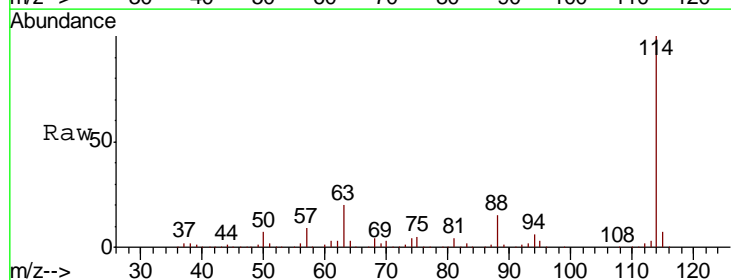
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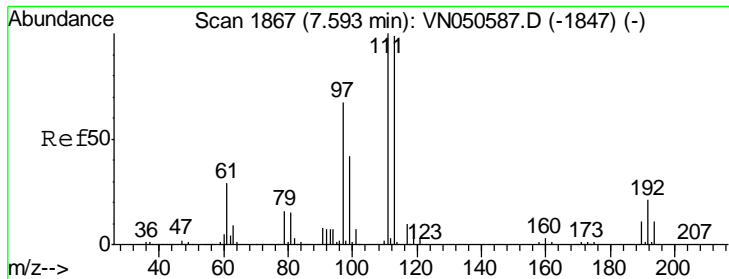
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	15.2	0.0	30.8





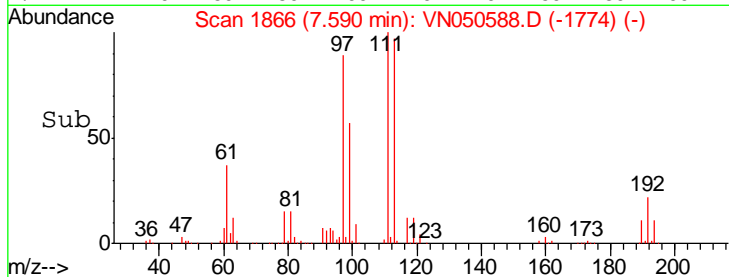
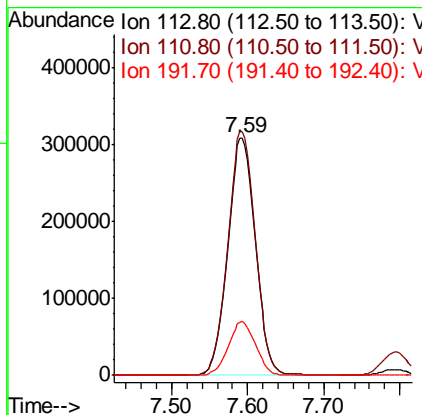
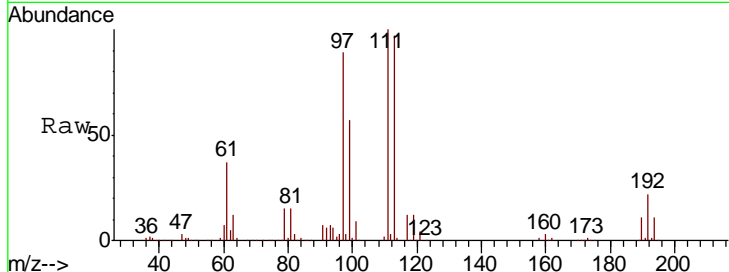
#35
 Dibromofluoromethane
 Concen: 98.07 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.7	81.0	121.6
192	22.4	17.6	26.4

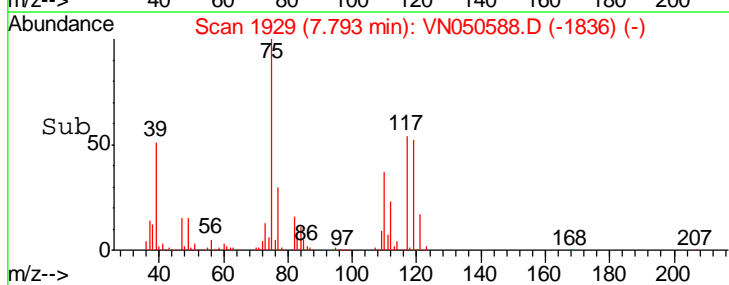
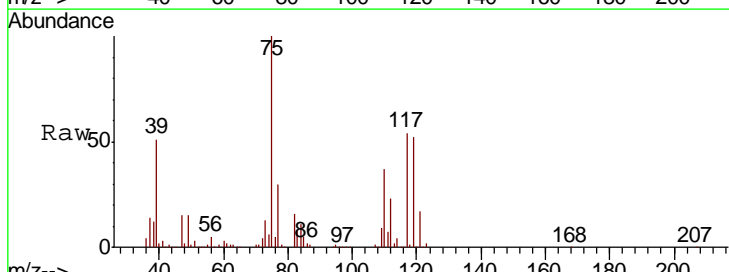
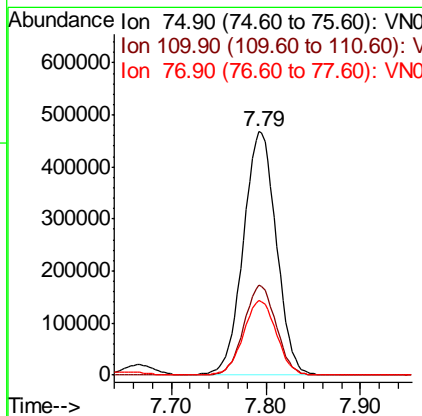
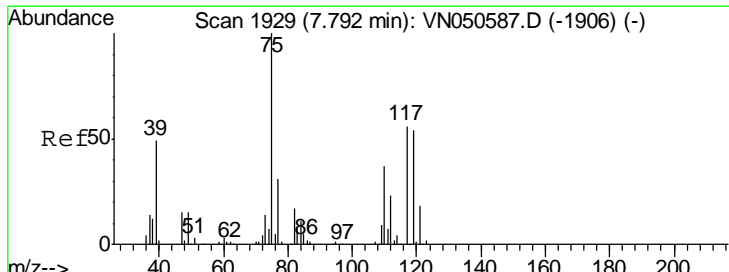
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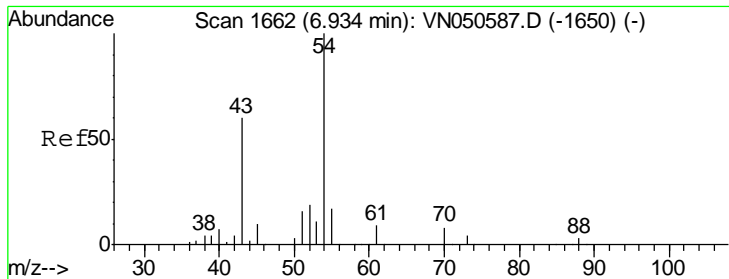
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#36
 1,1-Dichloropropene
 Concen: 104.04 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
75	100		
110	36.2	18.3	54.9
77	30.8	25.0	37.4





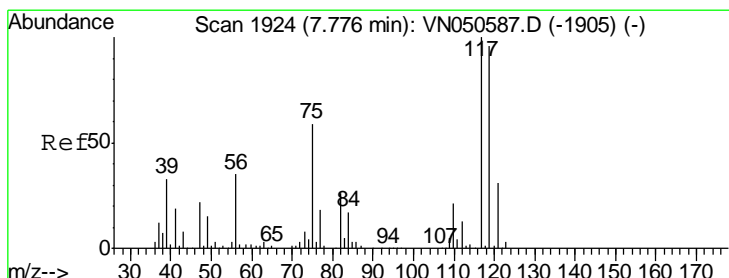
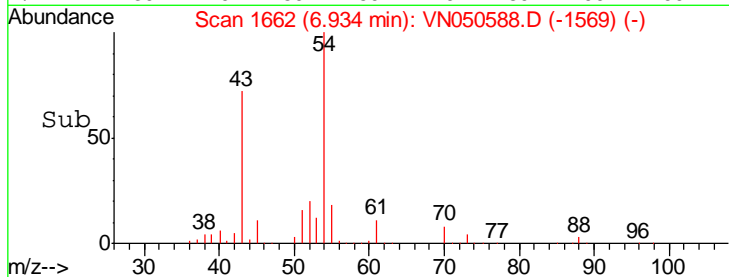
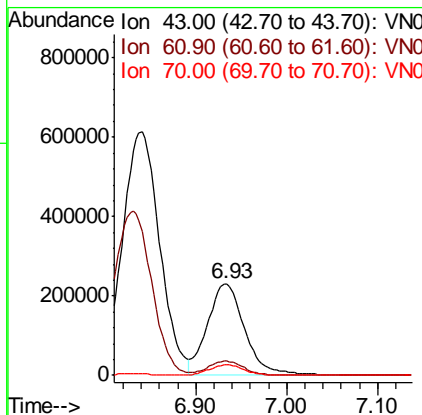
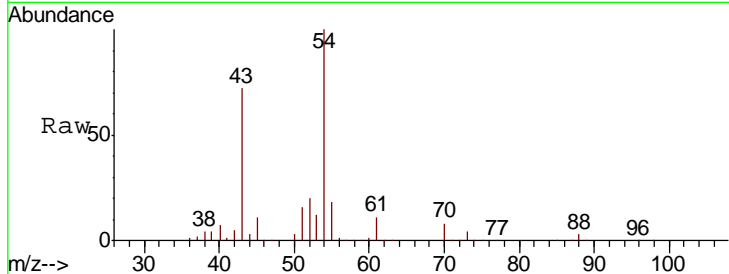
#37
 Ethyl Acetate
 Concen: 85.93 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	10.9	8.5	12.7

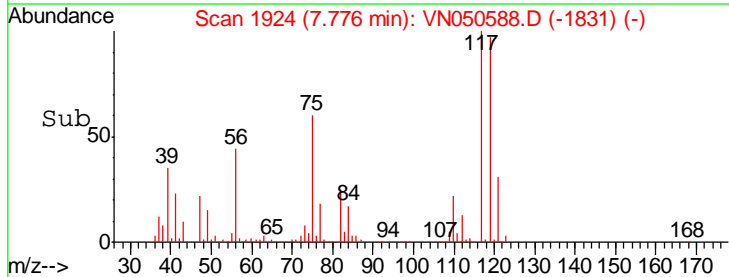
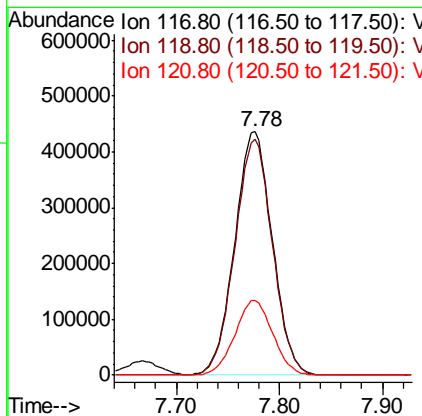
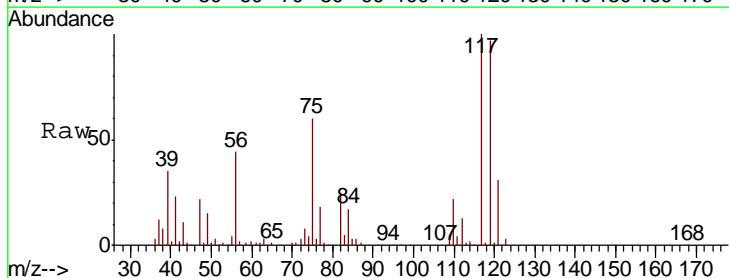
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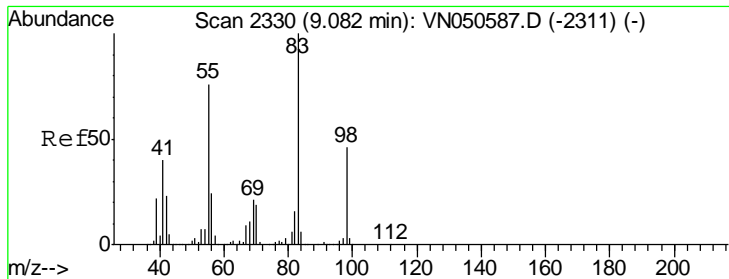
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#38
 Carbon Tetrachloride
 Concen: 97.75 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
117	100		
119	96.6	76.6	115.0
121	30.6	25.0	37.6





#39
 Methylcyclohexane
 Concen: 105.56 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

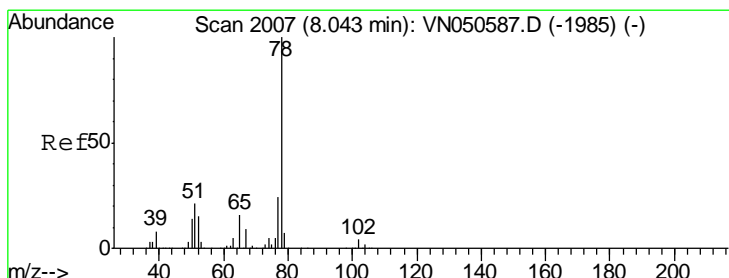
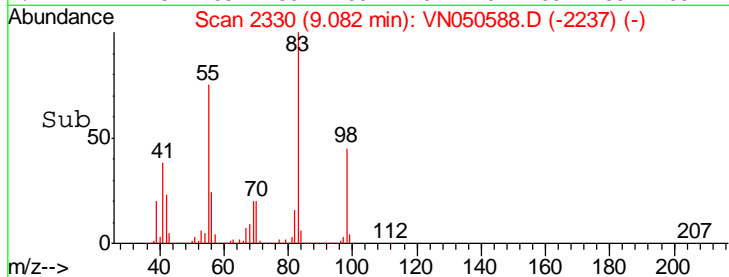
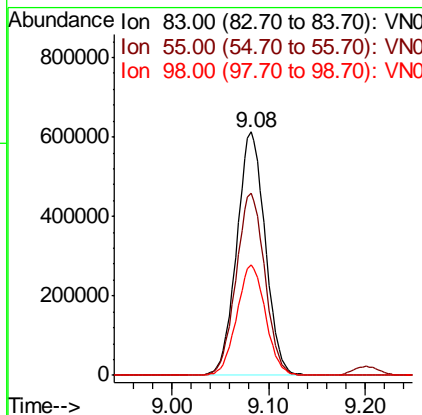
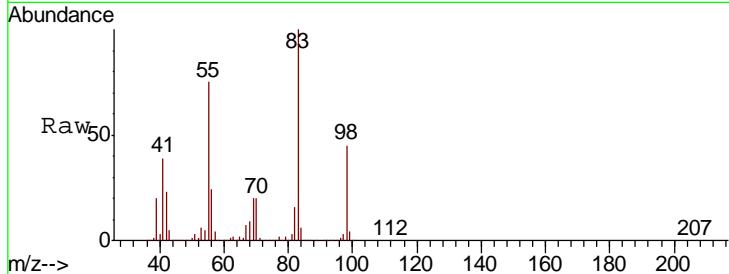
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 83 Resp: 1248983

Ion	Ratio	Lower	Upper
83	100		
55	74.9	60.6	91.0
98	45.3	37.0	55.4

Manual Integrations
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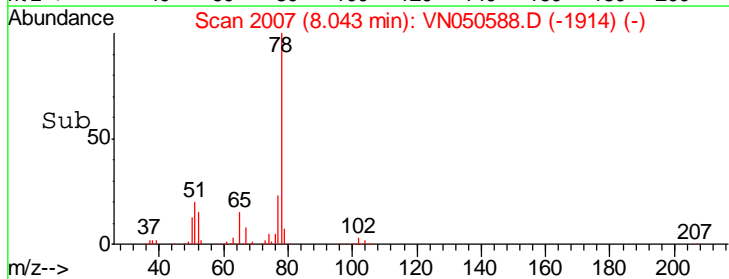
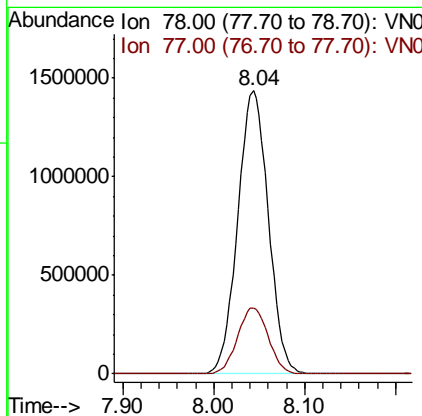
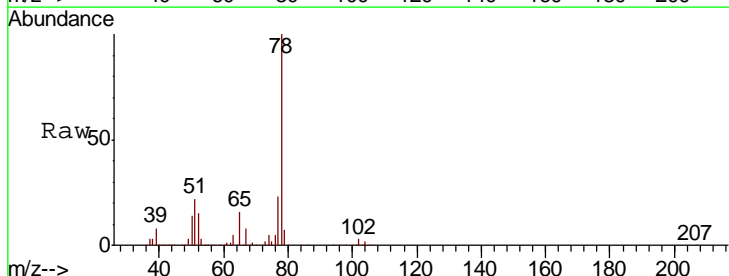
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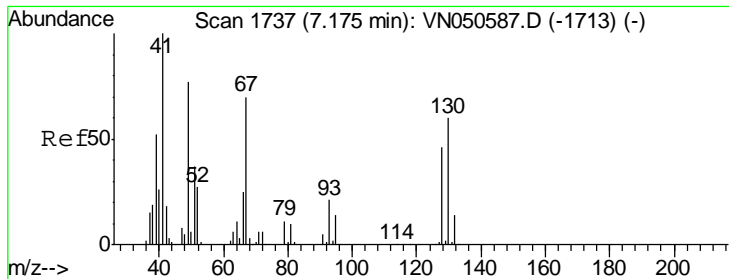


#40
 Benzene
 Concen: 100.46 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 78 Resp: 3354198

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





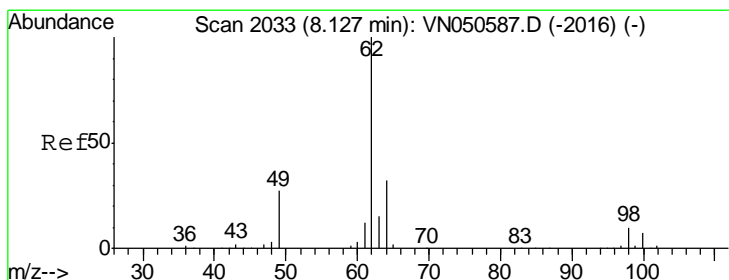
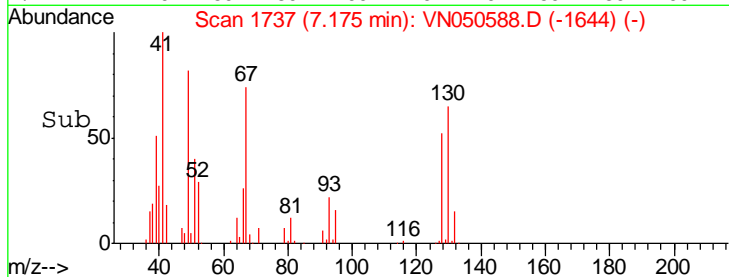
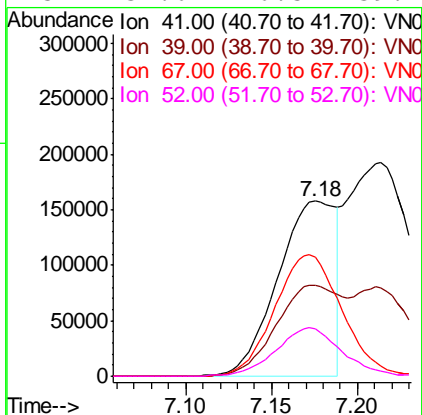
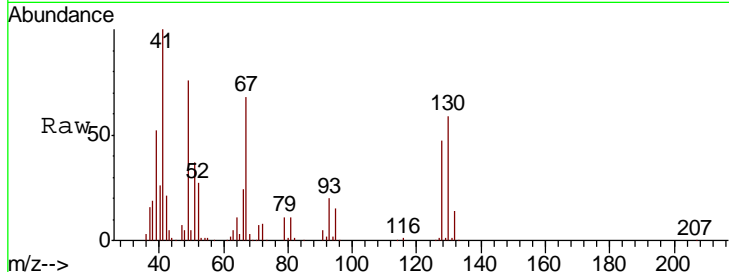
#41
 Methacrylonitrile
 Concen: 91.08 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
41	100		
39	59.6	44.6	66.8
67	80.9	66.7	100.1
52	31.6	26.5	39.7

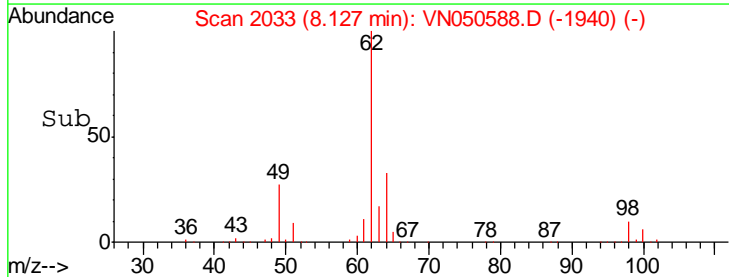
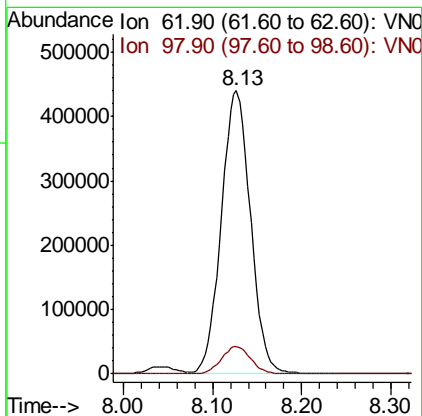
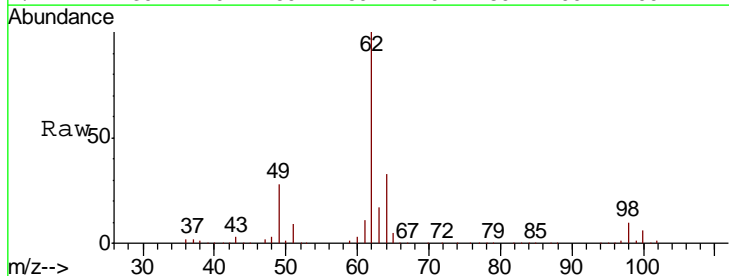
Manual Integrations
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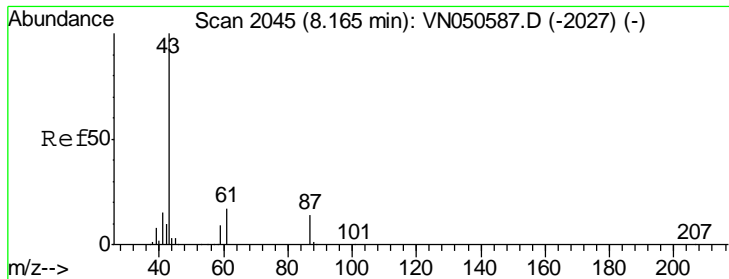
MMDadoda
 8/15/2018 3:21:42 PM



#42
 1,2-Dichloroethane
 Concen: 94.84 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.7	0.0	19.4





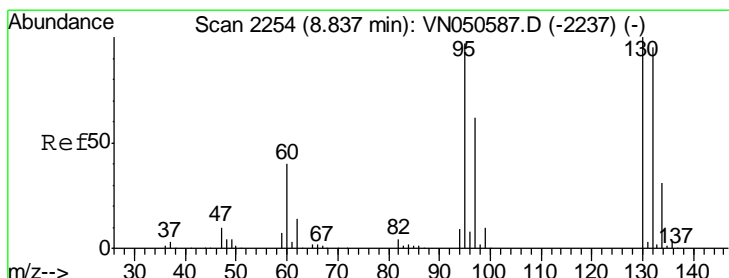
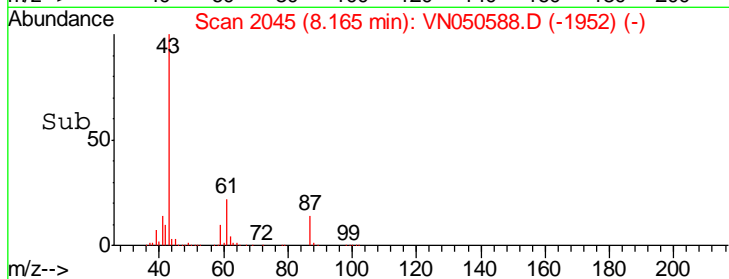
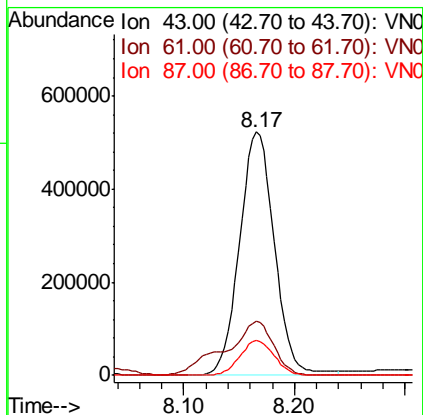
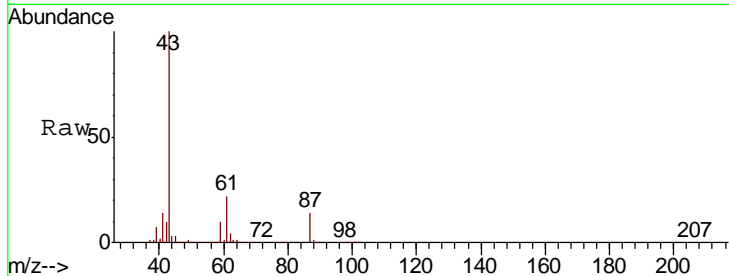
#43
 Isopropyl Acetate
 Concen: 87.35 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	1144261		
61	30.6	16.2	24.2#
87	14.0	10.9	16.3

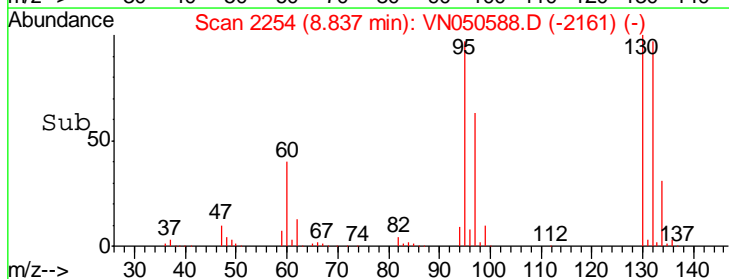
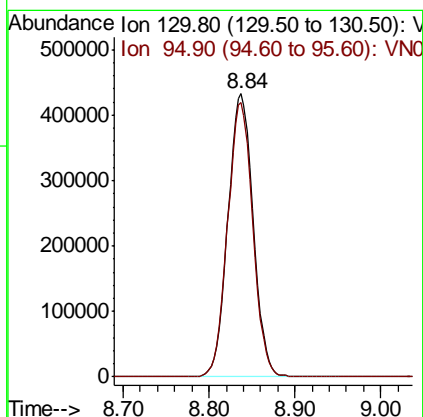
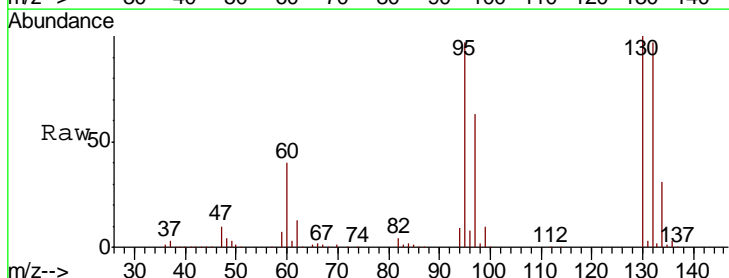
Manual Integrations
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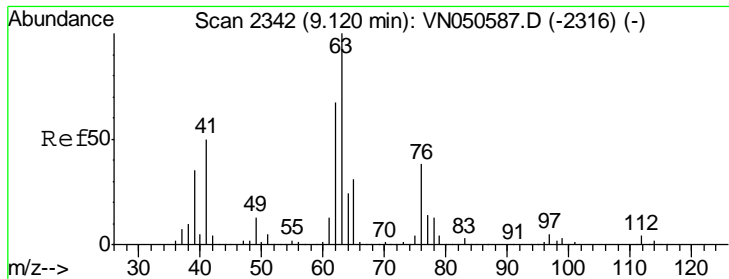
MMDadoda
 8/15/2018 3:21:42 PM



#44
 Trichloroethene
 Concen: 98.04 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
130	880452		
95	97.0	0.0	193.8





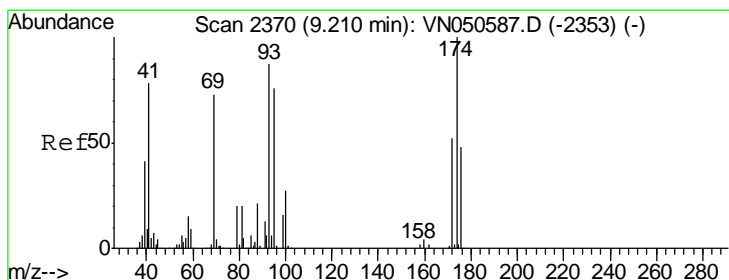
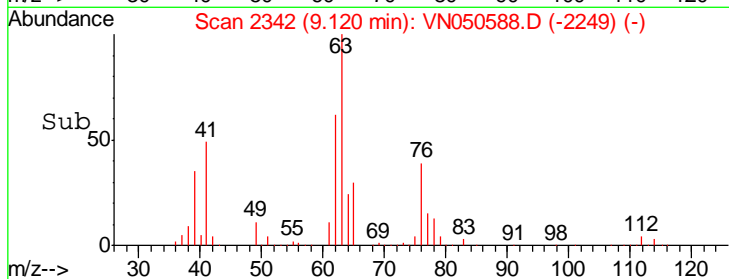
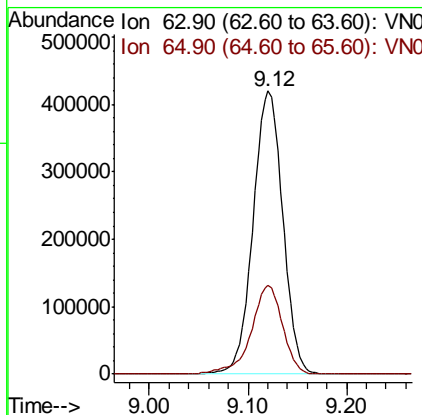
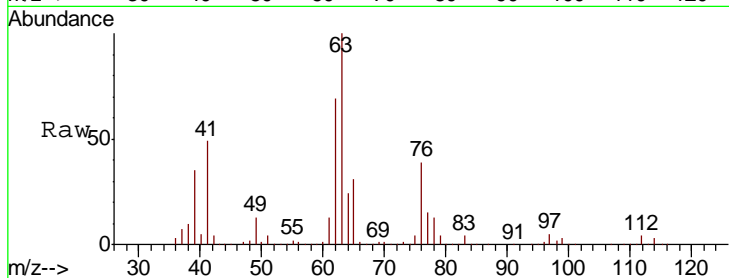
#45
 1,2-Dichloropropane
 Concen: 99.29 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.3	24.5	36.7

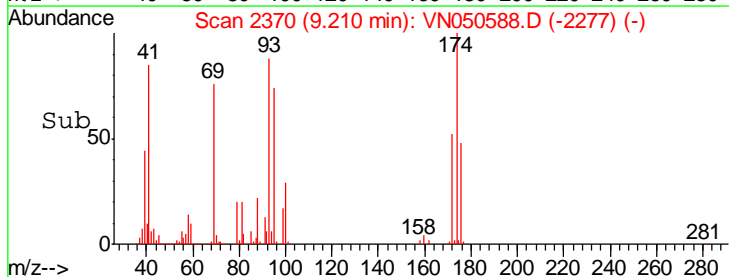
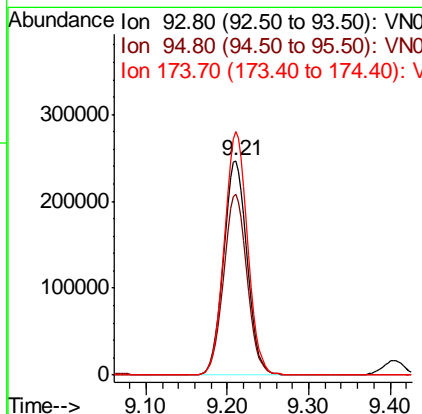
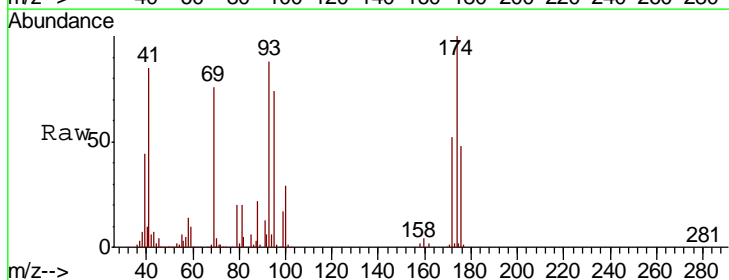
Manual Integrations
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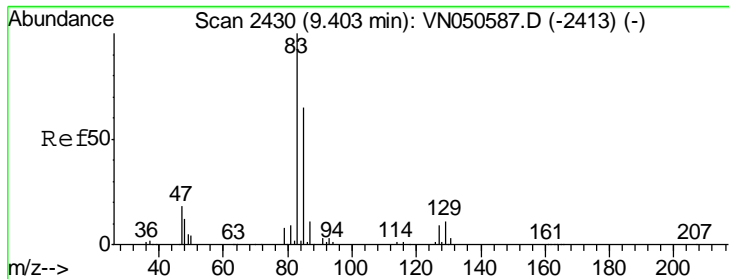
MMDadoda
 8/15/2018 3:21:42 PM



#46
 Dibromomethane
 Concen: 94.46 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.1	69.1	103.7
174	112.1	91.0	136.6





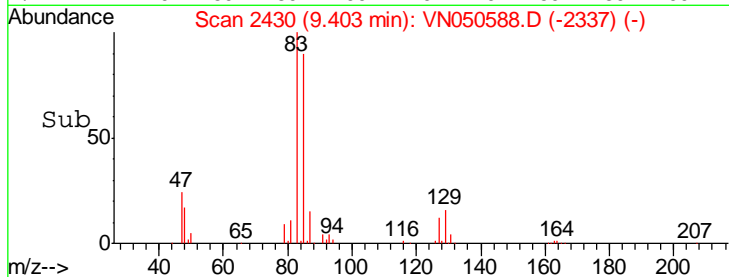
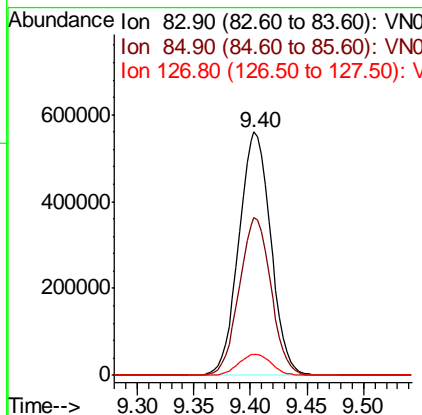
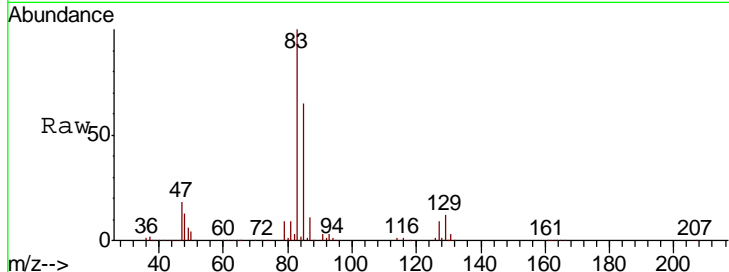
#47
 Bromodichloromethane
 Concen: 98.09 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	1099646		
85	64.9	51.8	77.6
127	8.8	7.2	10.8

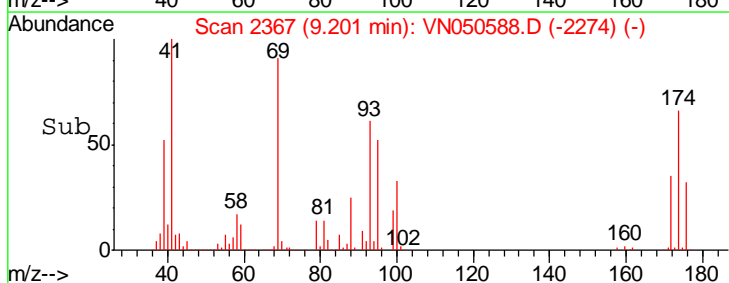
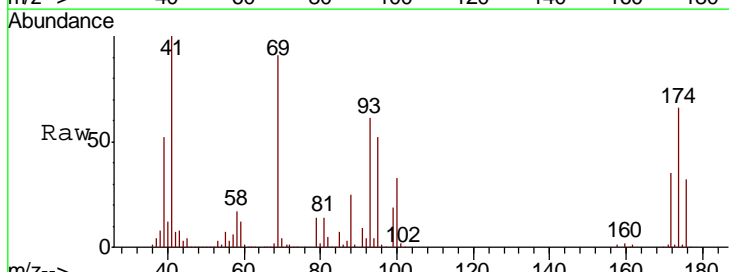
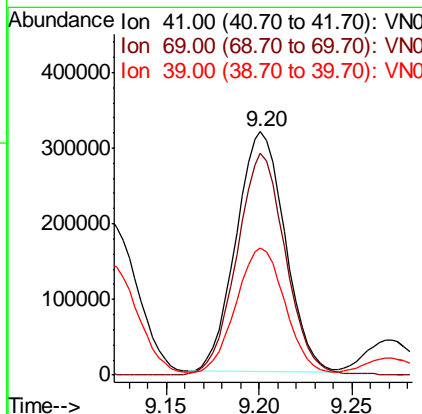
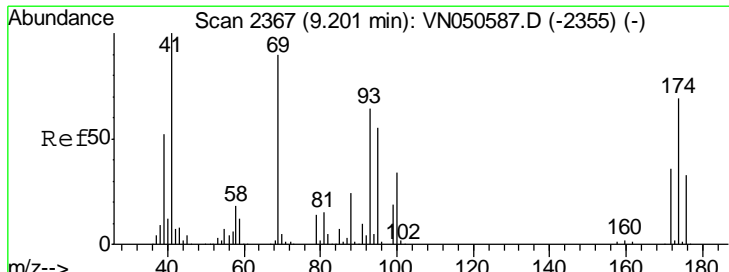
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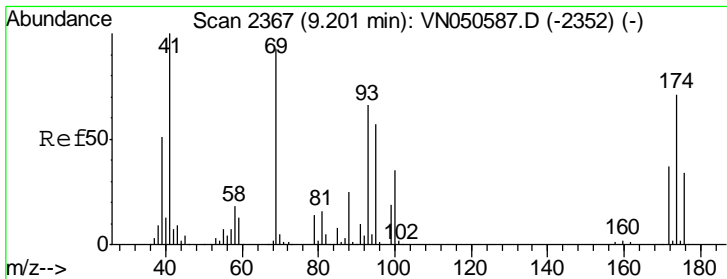
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#48
 Methyl methacrylate
 Concen: 89.55 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
41	585609		
69	91.8	73.4	110.0
39	53.6	43.0	64.6





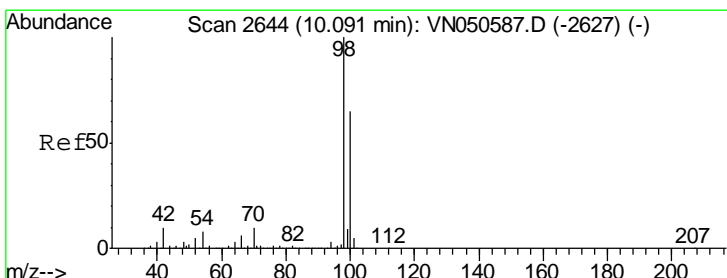
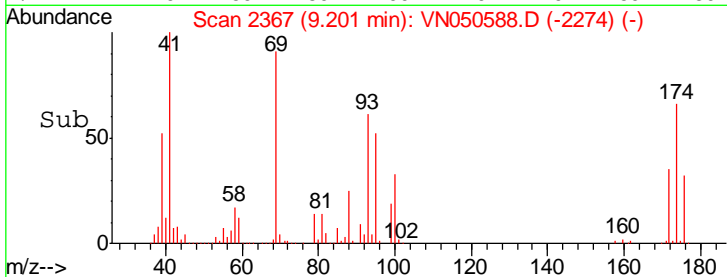
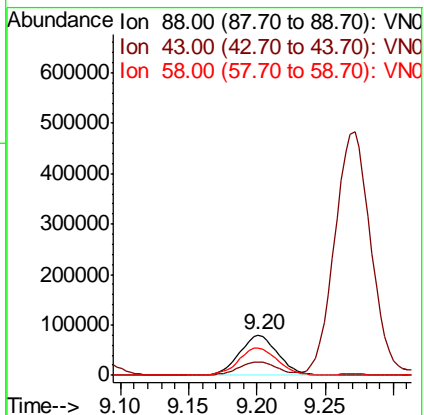
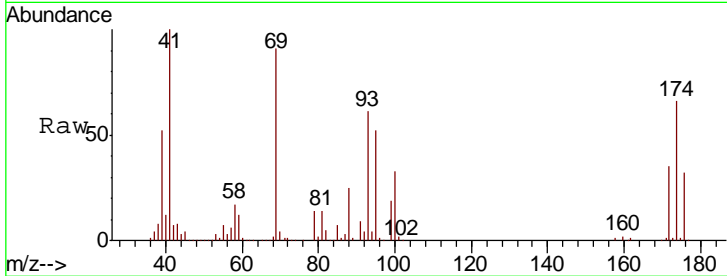
#49
 1,4-Dioxane
 Concen: 1578.31 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.5	25.9	38.9
58	68.4	56.5	84.7

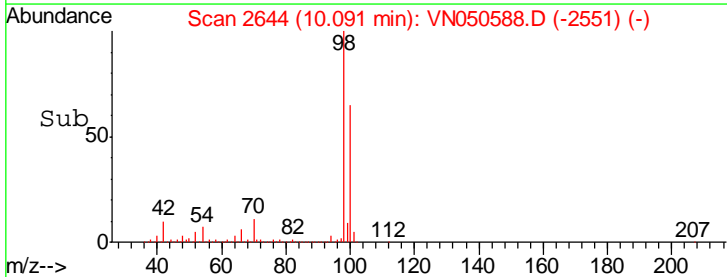
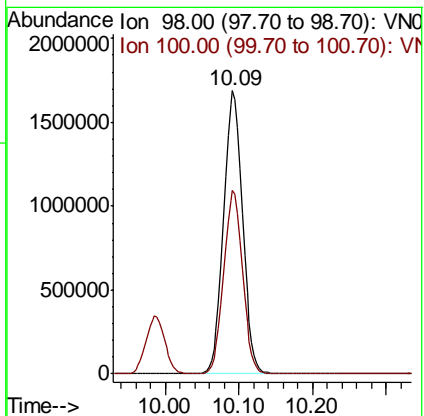
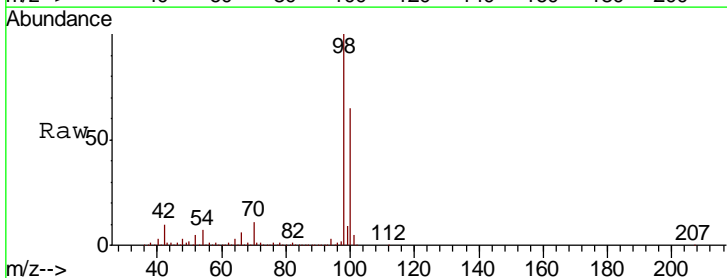
Manual Integrations
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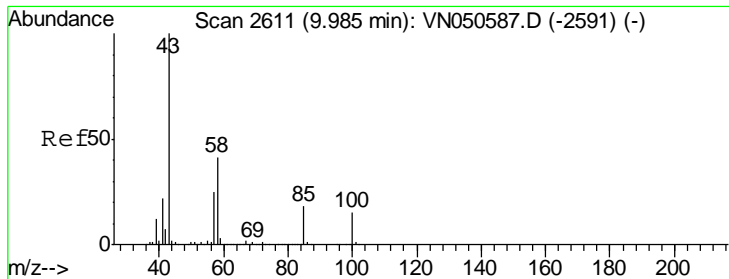
MMDadoda
 8/15/2018 3:21:42 PM



#50
 Toluene-d8
 Concen: 101.52 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.8	77.8



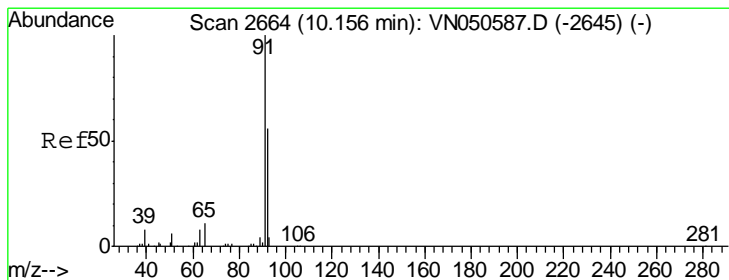
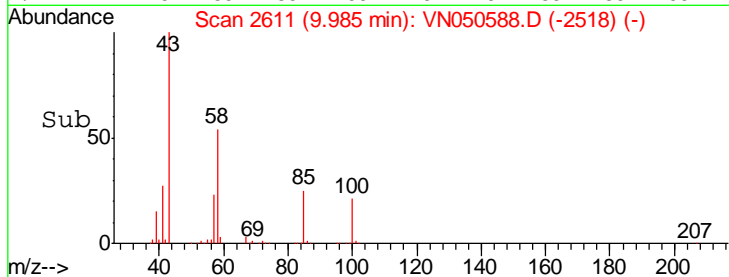
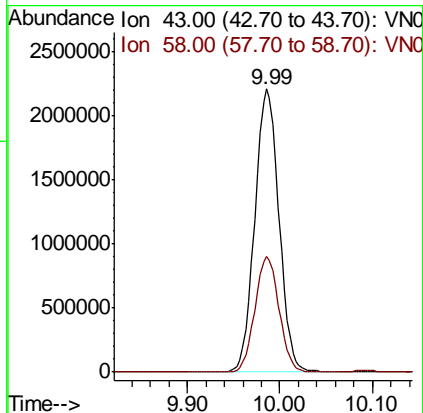
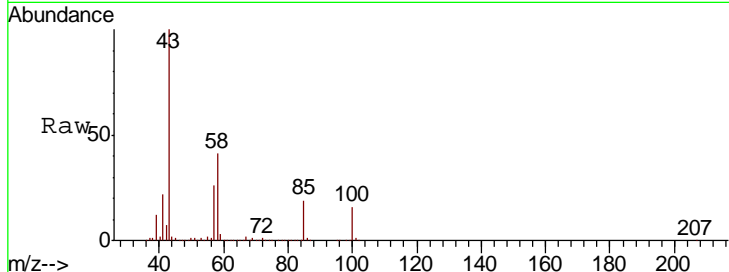


#51
 4-Methyl-2-Pentanone
 Concen: 425.86 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.8	32.5	48.7

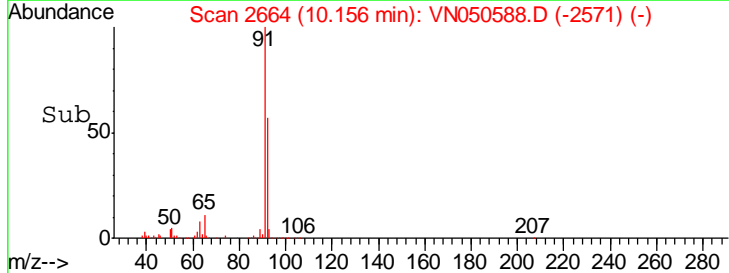
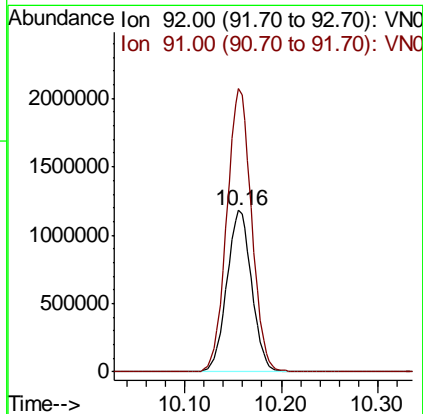
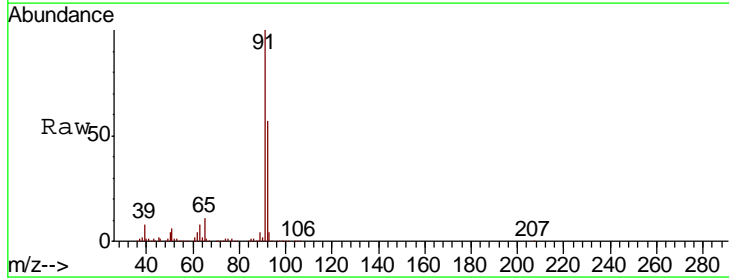
Instrument : MSVOA_N
 ClientSampled : VN050588.D
 VSTDIC100

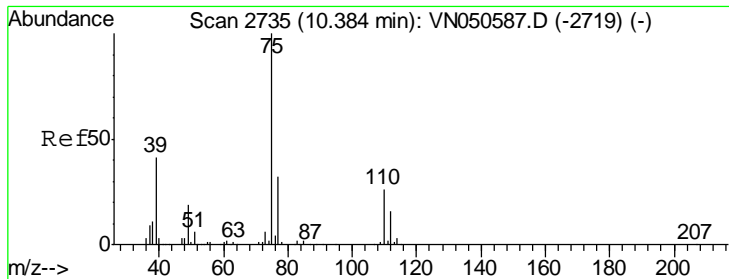
Manual Integrations
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 8/15/2018 3:21:42 PM



#52
 Toluene
 Concen: 104.84 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
92	100		
91	175.6	141.9	212.9





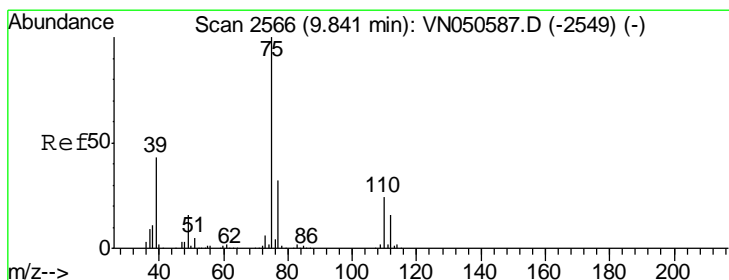
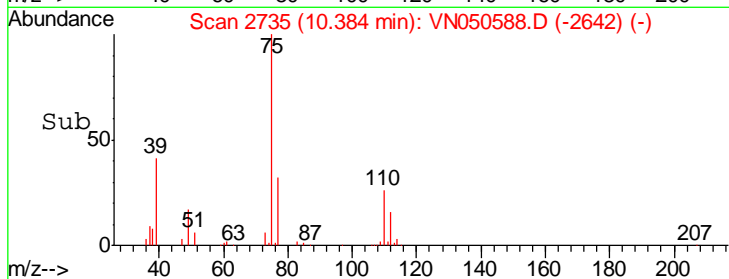
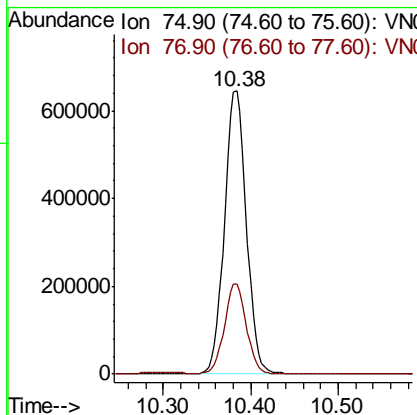
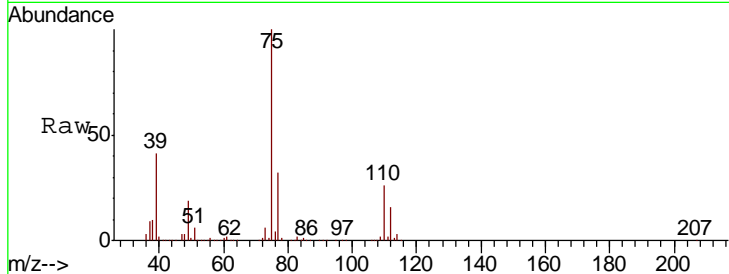
#53
 t-1,3-Dichloropropene
 Concen: 100.79 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 ClientSampled : VSTDICC100

Tgt Ion	Resp	Lower	Upper
75	1121829		
75	100		
77	31.8	25.8	38.6

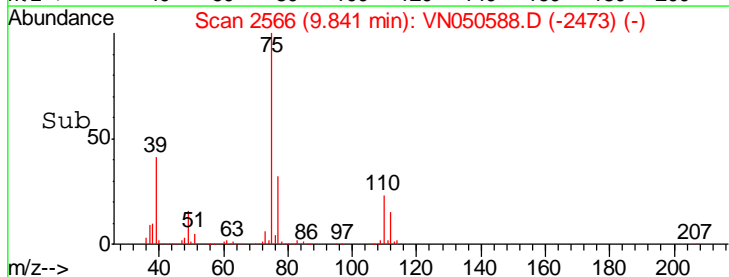
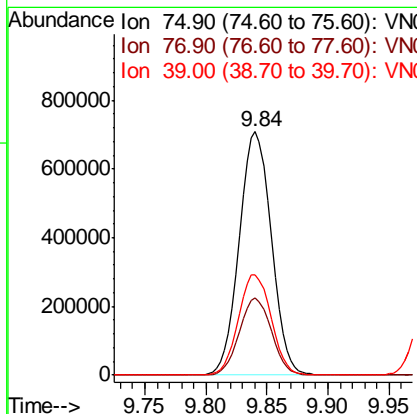
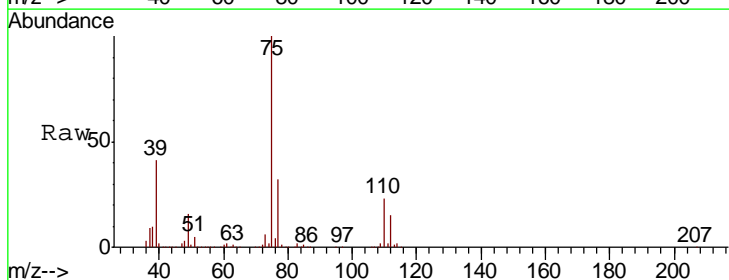
Manual Integrations
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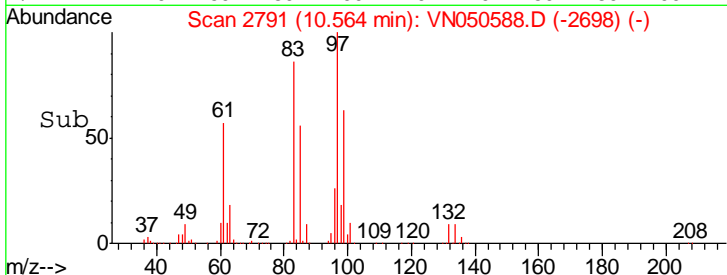
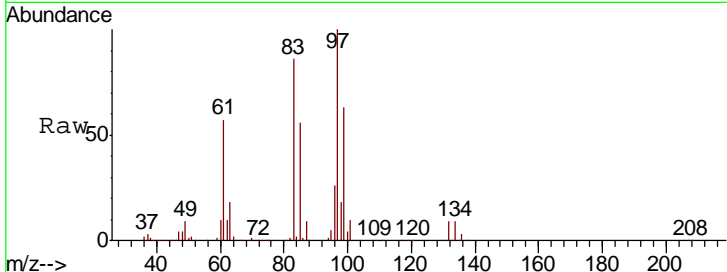
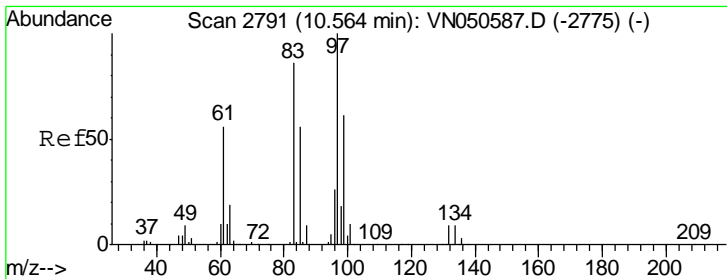
MMDadoda
 8/15/2018 3:21:42 PM



#54
 cis-1,3-Dichloropropene
 Concen: 103.18 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
75	1288545		
75	100		
77	31.5	25.6	38.4
39	41.3	34.4	51.6



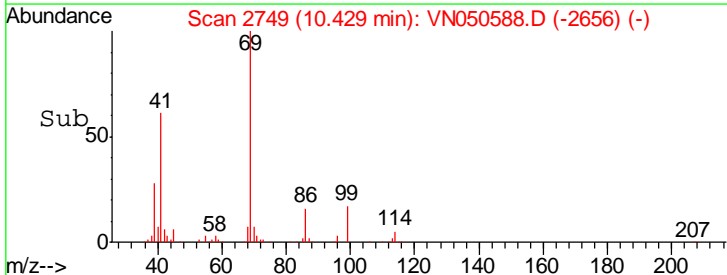
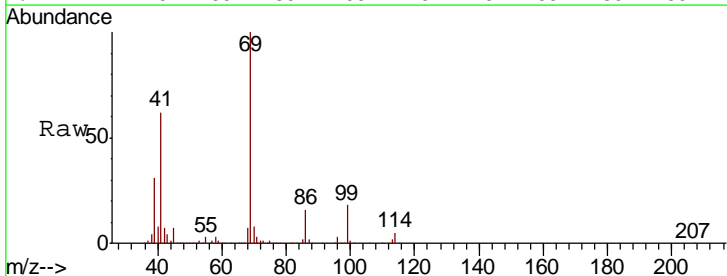
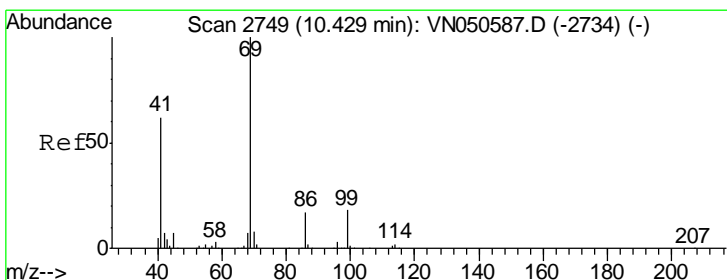
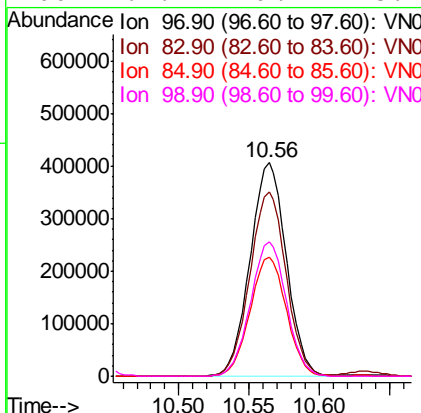


#55
 1,1,2-Trichloroethane
 Concen: 94.36 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
97	731444		
97	100		
83	86.1	68.5	102.7
85	55.8	44.6	66.8
99	62.7	49.1	73.7

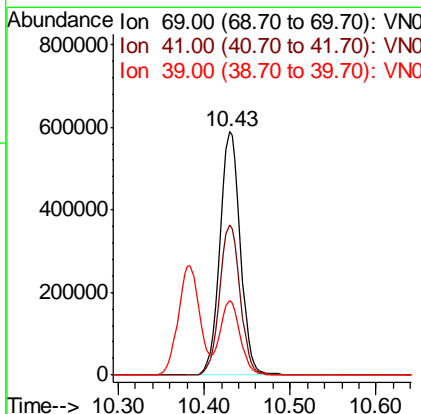
Instrument : MSVOA_N
 ClientSampled : VSTDIC100

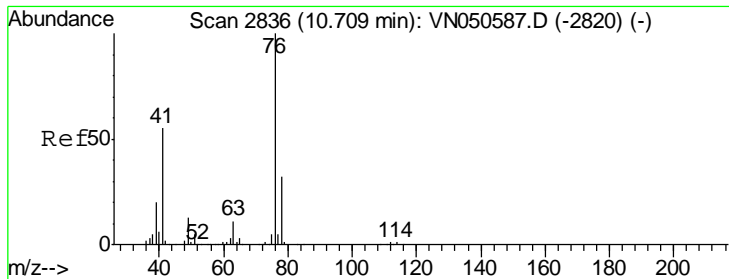
Manual Integrations APPROVED
 MMDadoda
 8/15/2018 3:21:42 PM



#56
 Ethyl methacrylate
 Concen: 100.54 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
69	969899		
69	100		
41	61.7	49.7	74.5
39	30.5	24.2	36.2





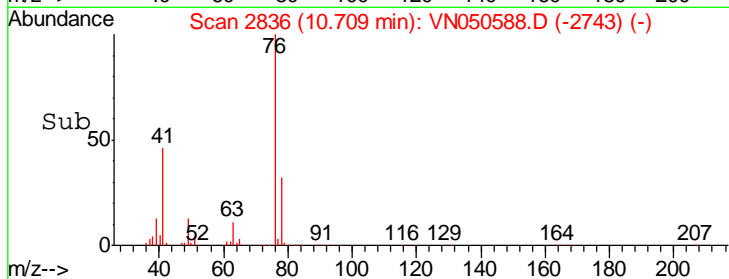
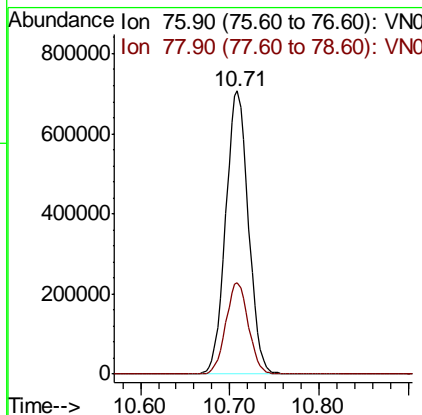
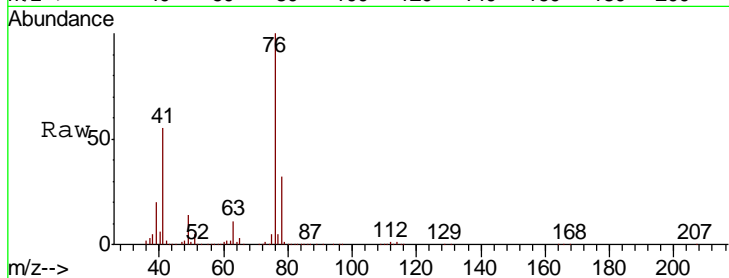
#57
 1,3-Dichloropropane
 Concen: 97.56 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	1242645		
76	100		
78	32.2	25.8	38.6

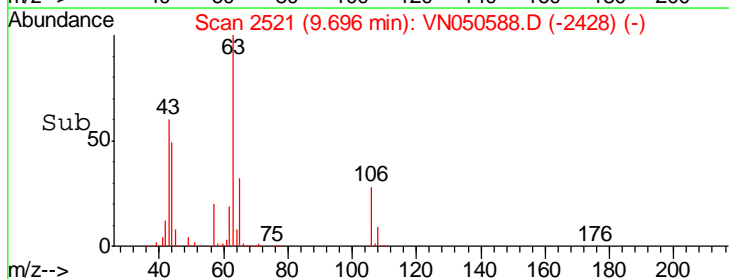
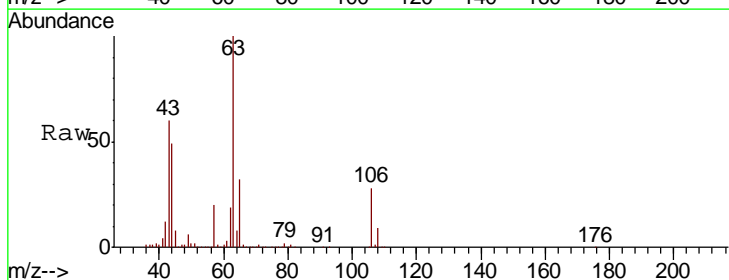
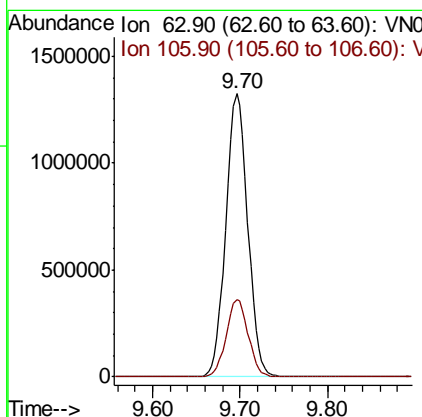
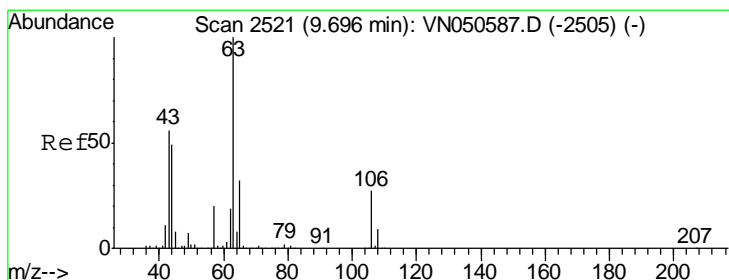
Manual Integrations
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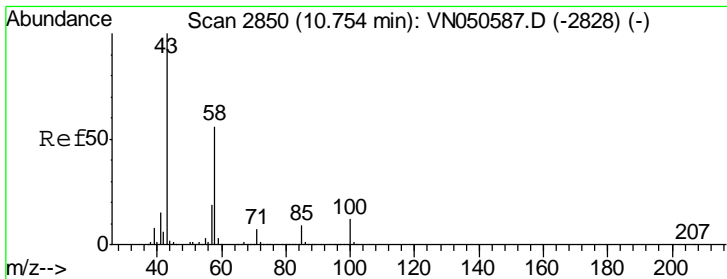
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 512.03 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
63	2307506		
63	100		
106	27.3	21.7	32.5





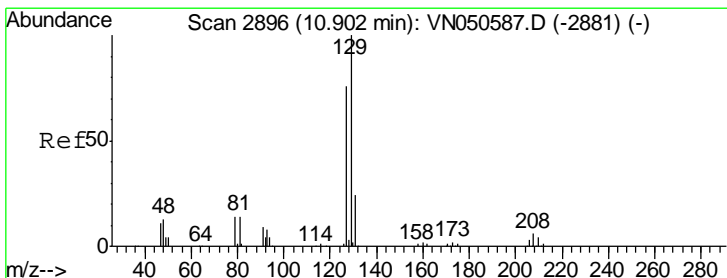
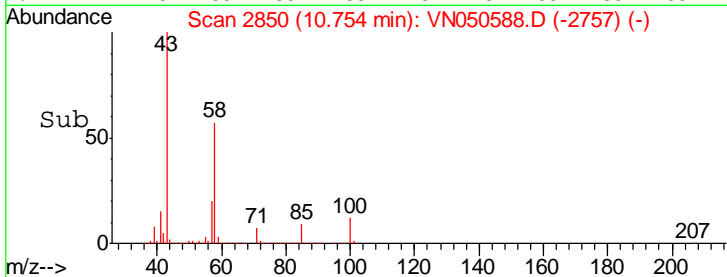
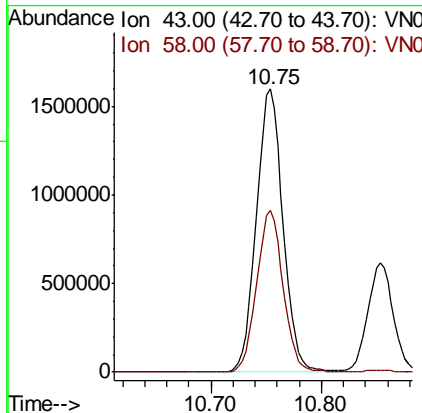
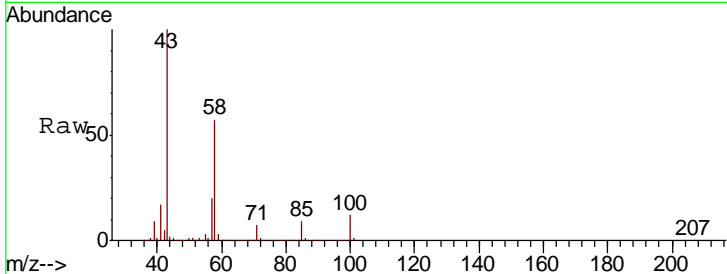
#59
 2-Hexanone
 Concen: 411.42 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.9	28.0	84.0

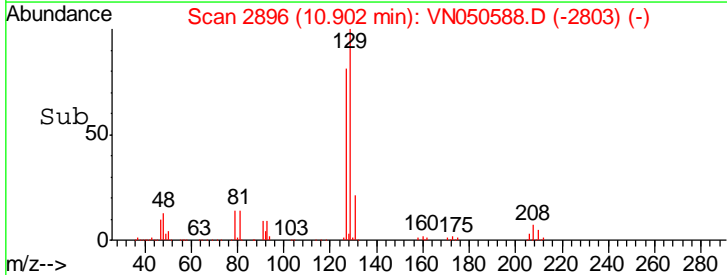
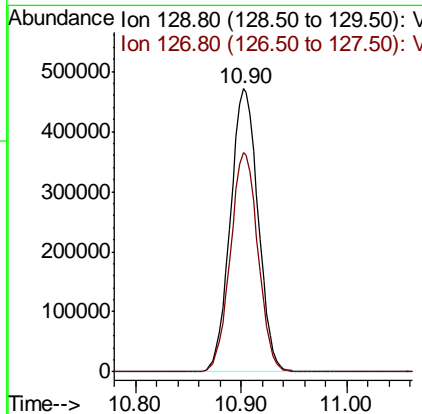
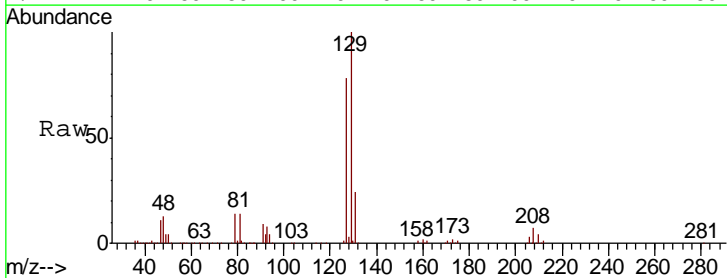
Manual Integrations
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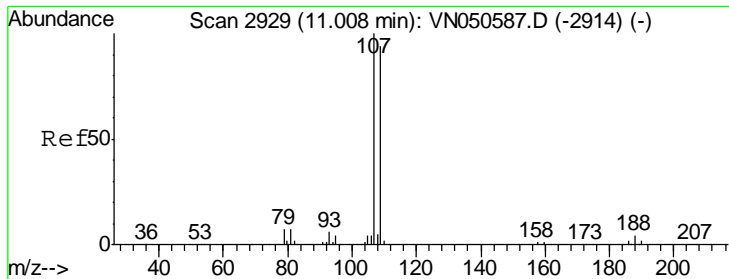
MMDadoda
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#60
 Dibromochloromethane
 Concen: 99.99 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.2	38.9	116.7





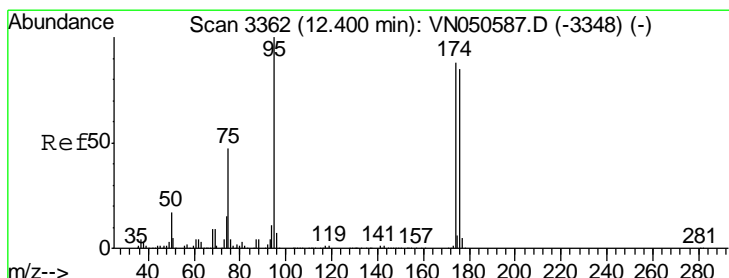
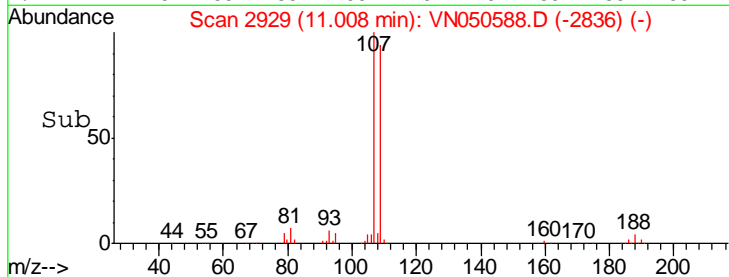
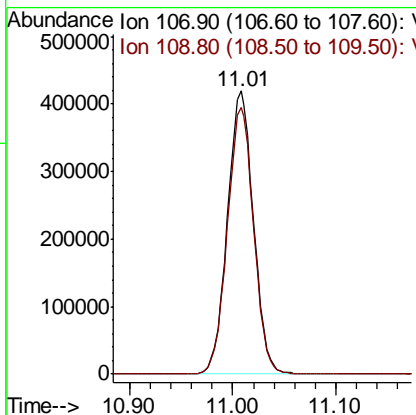
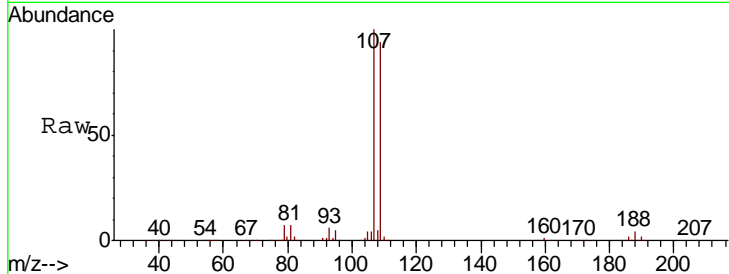
#61
 1,2-Dibromoethane
 Concen: 96.84 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
107	100		
109	95.1	75.7	113.5

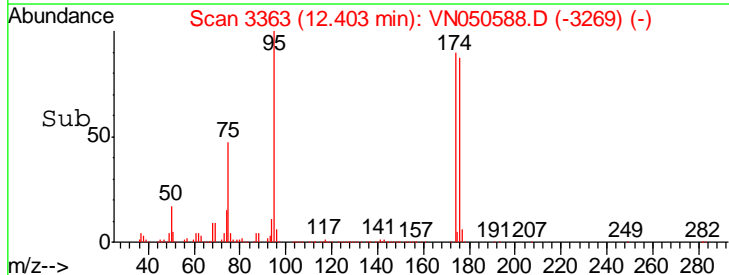
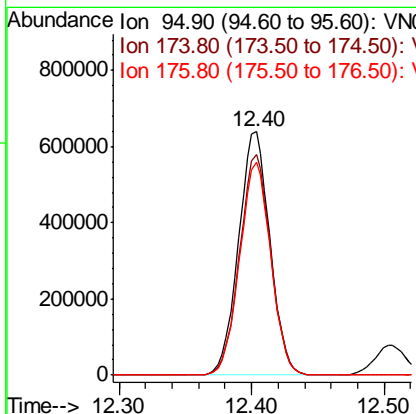
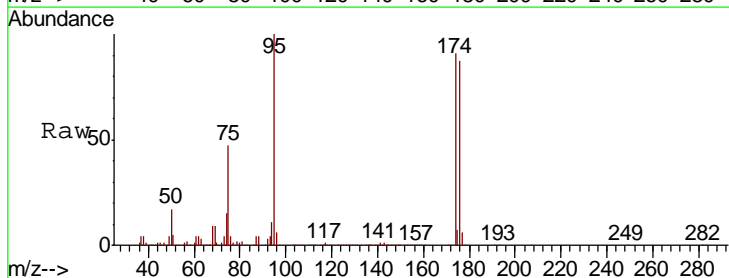
Manual Integrations
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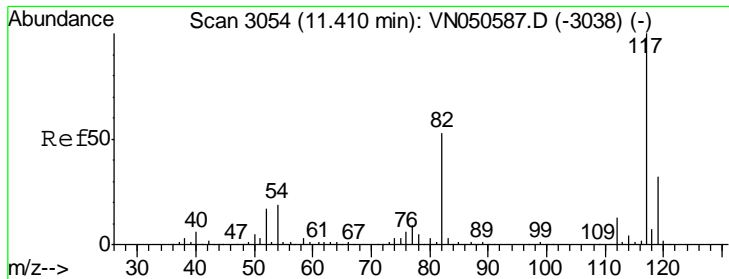
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#62
 4-Bromofluorobenzene
 Concen: 103.48 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
95	100		
174	90.1	0.0	177.8
176	86.9	0.0	175.0





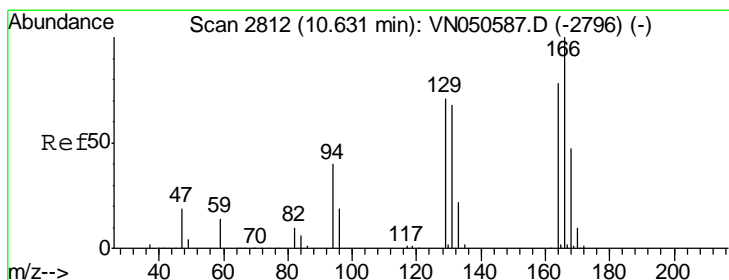
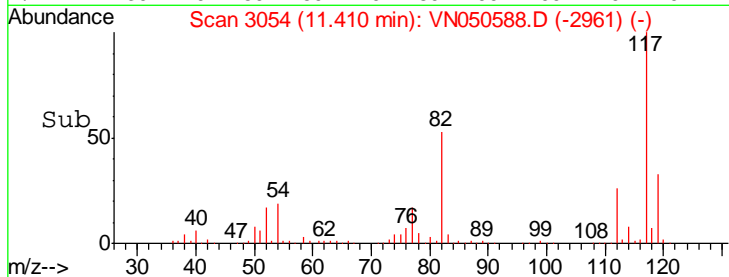
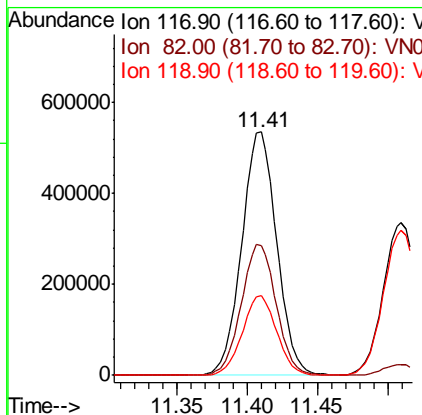
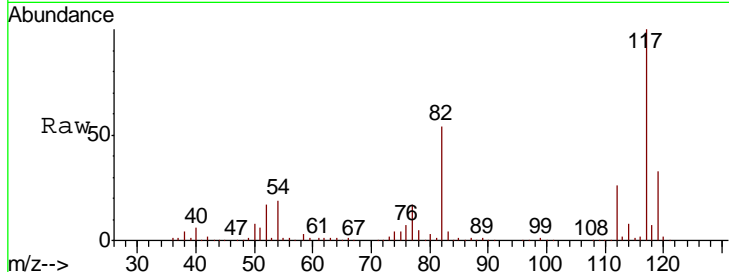
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
117	100		
82	53.5	42.4	63.6
119	32.8	25.8	38.8

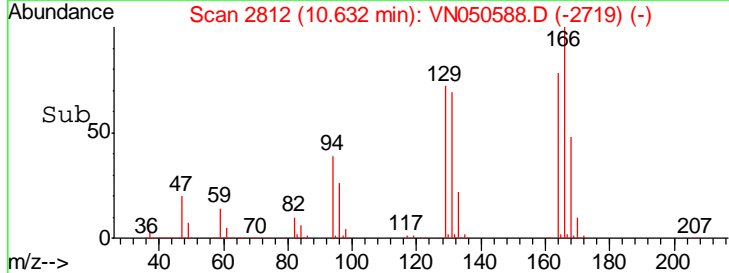
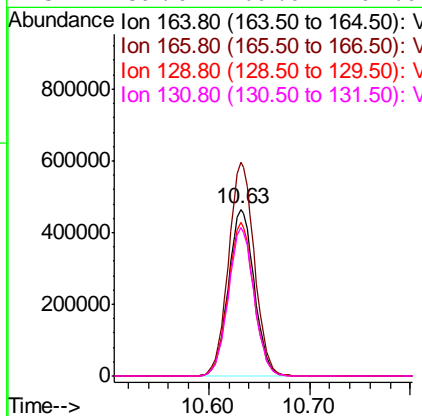
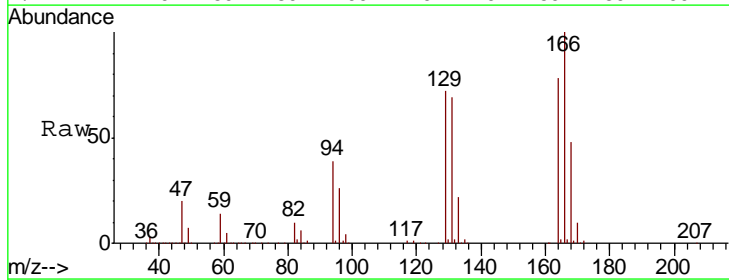
Manual Integrations
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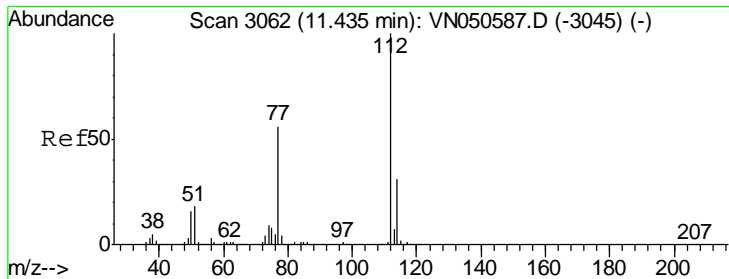
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#64
 Tetrachloroethene
 Concen: 95.46 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
164	100		
166	128.3	102.1	153.1
129	92.1	72.7	109.1
131	89.0	69.9	104.9





#65
 Chlorobenzene
 Concen: 99.50 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

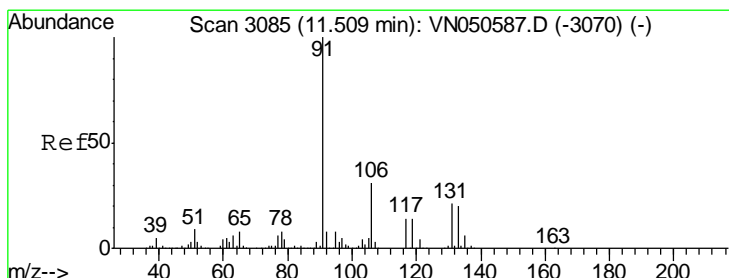
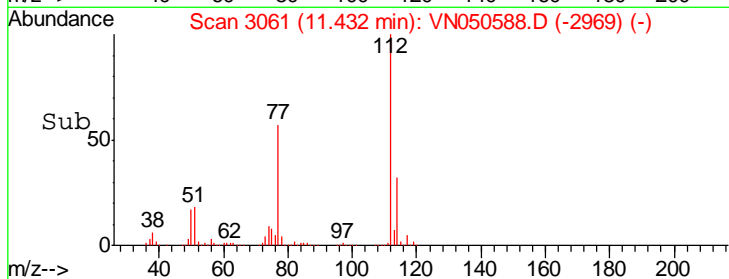
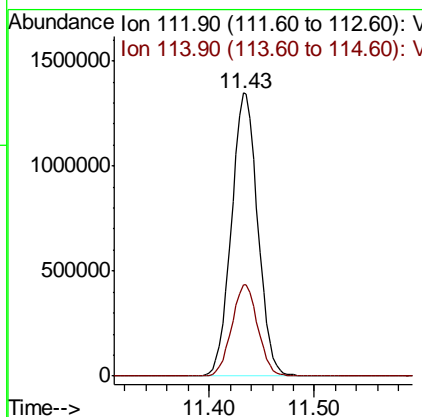
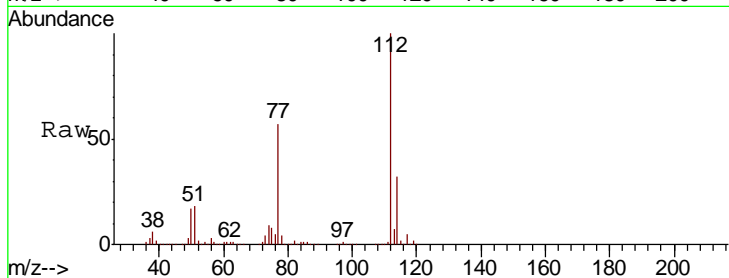
Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion: 112 Resp: 2320753

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.2	37.8

Manual Integrations
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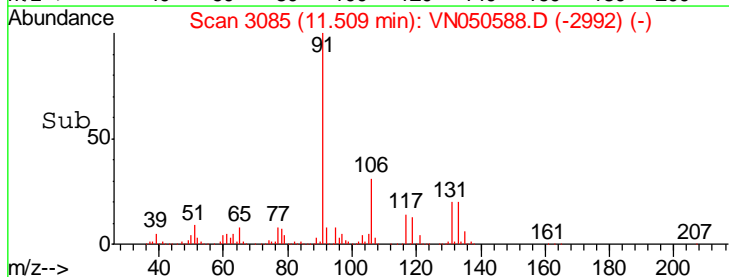
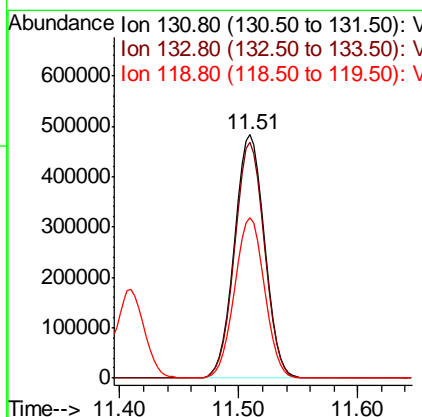
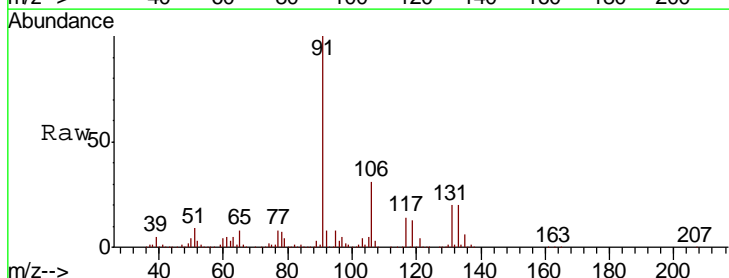
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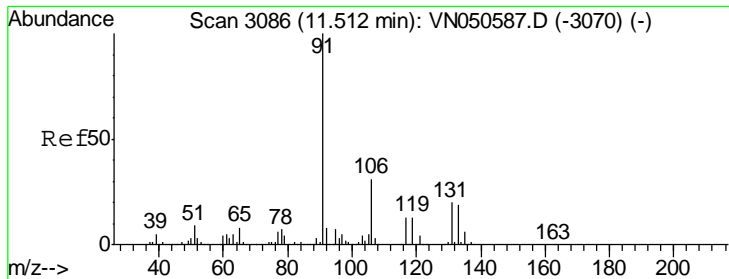


#66
 1,1,1,2-Tetrachloroethane
 Concen: 99.53 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 131 Resp: 846880

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.6	142.9
119	65.8	33.1	99.3





#67
Ethyl Benzene
Concen: 107.33 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

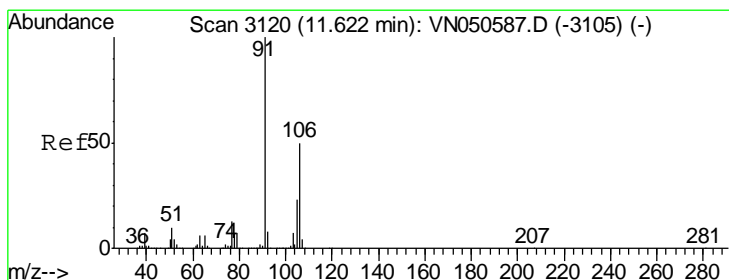
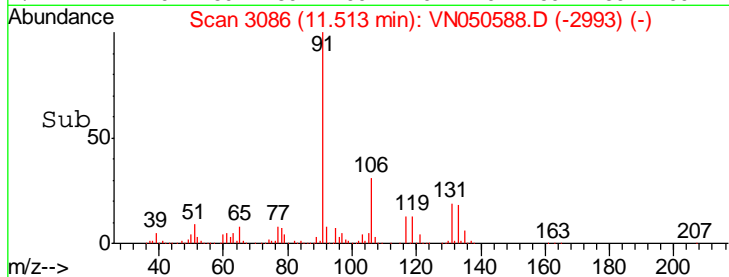
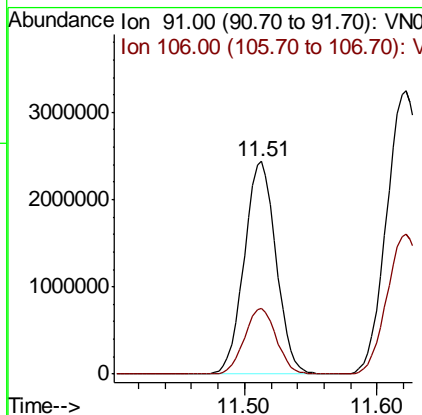
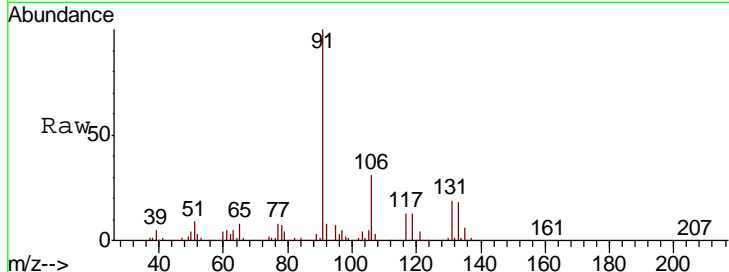
Instrument : MSVOA_N
Client Sampled : VSTDICC100

Tgt Ion: 91 Resp: 4047102

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.8	37.2

Manual Integrations
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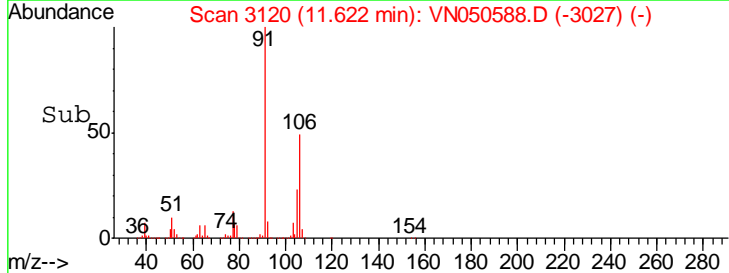
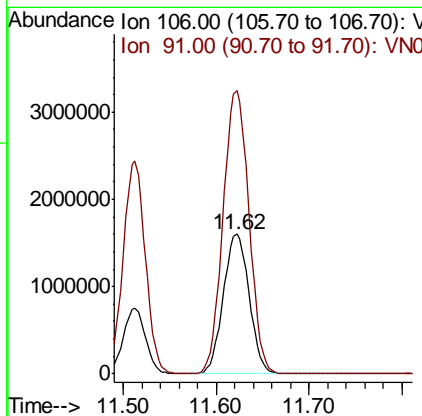
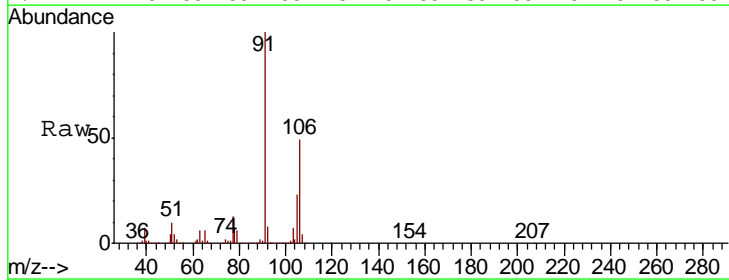
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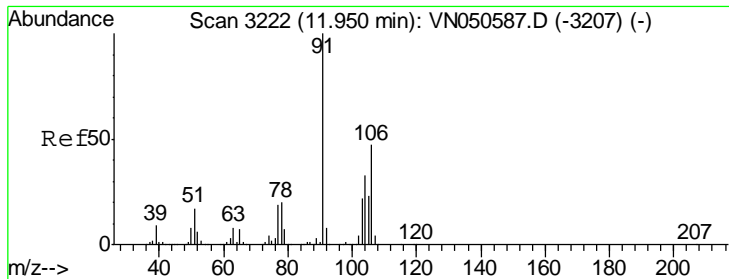


#68
m/p-Xylenes
Concen: 215.46 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 106 Resp: 3094891

Ion	Ratio	Lower	Upper
106	100		
91	203.1	161.5	242.3





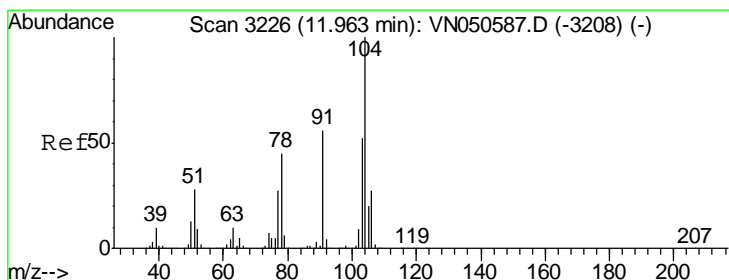
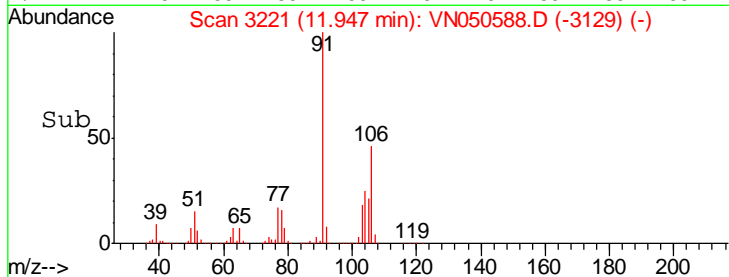
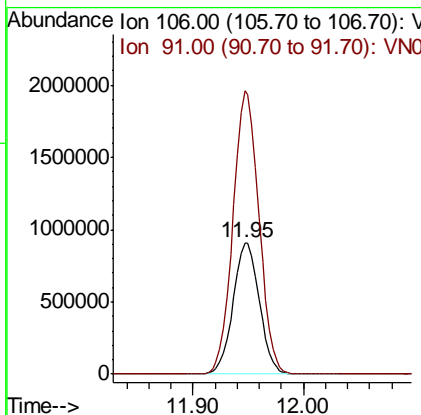
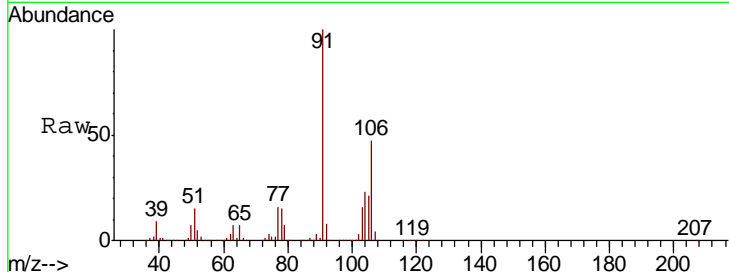
#69
 o-Xylene
 Concen: 108.48 ug/l
 RT: 11.95 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
106	1498306		
106	100		
91	213.5	106.8	320.4

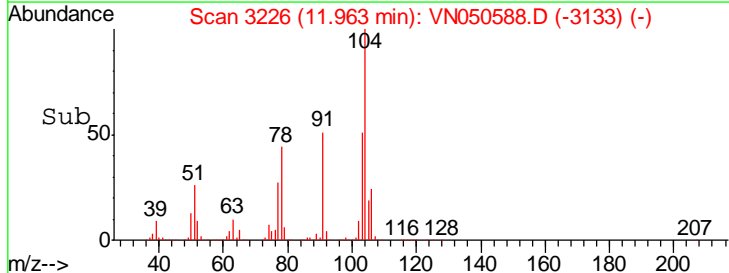
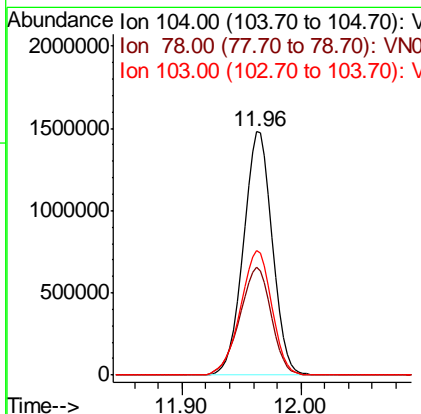
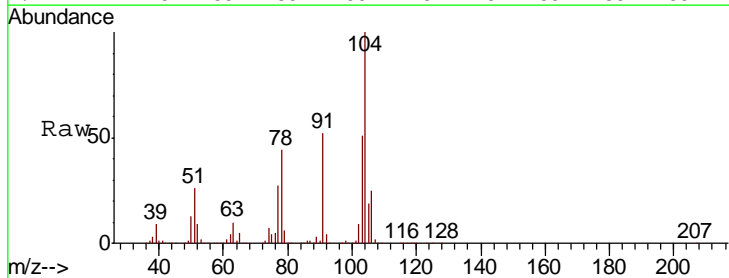
Manual Integrations
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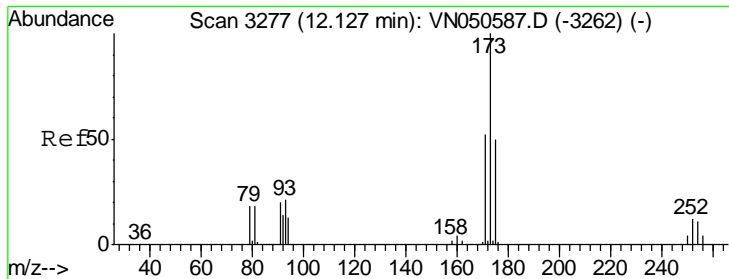
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#70
 Styrene
 Concen: 110.86 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
104	2483146		
104	100		
78	48.6	39.1	58.7
103	55.8	44.9	67.3





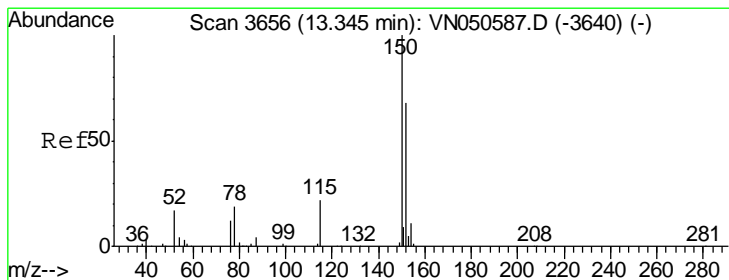
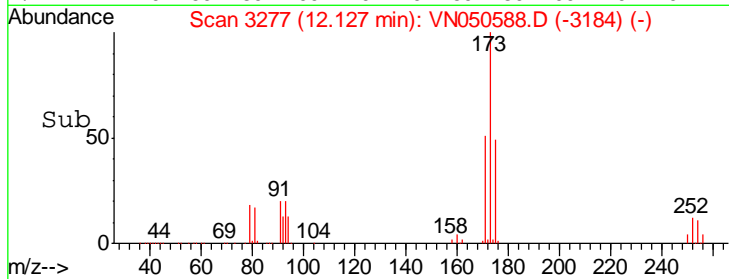
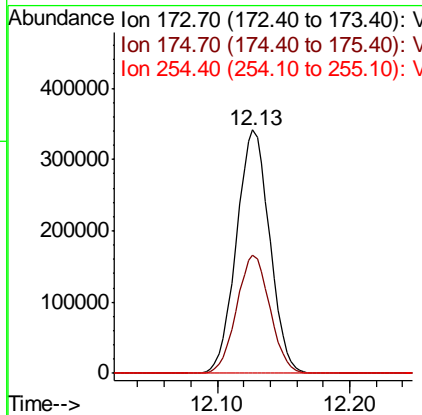
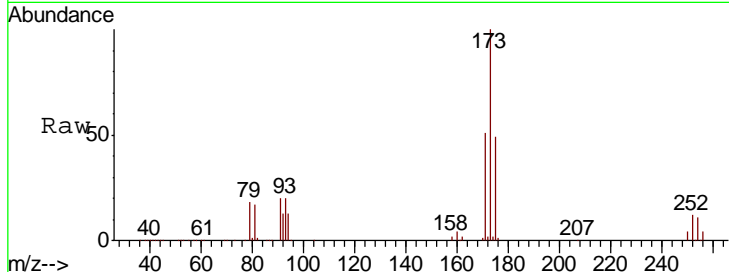
#71
 Bromoform
 Concen: 97.15 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.6	24.4	73.2
254	0.2	0.0	0.0

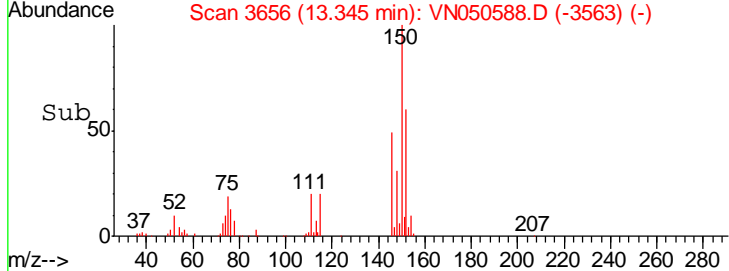
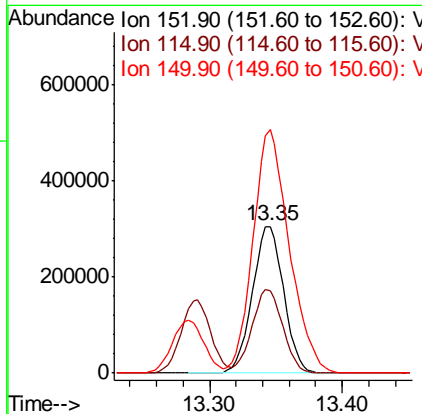
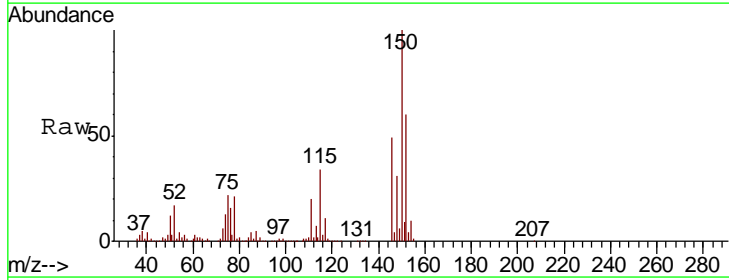
Manual Integrations
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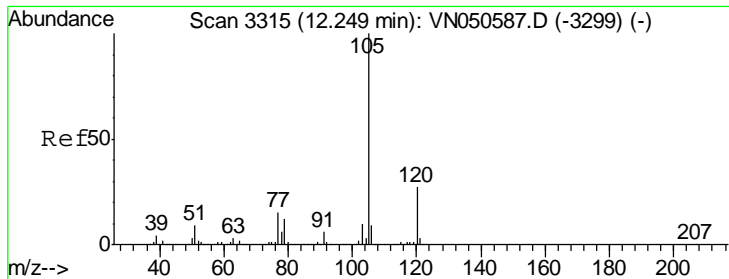
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.1	28.1	84.2
150	193.4	0.0	347.8





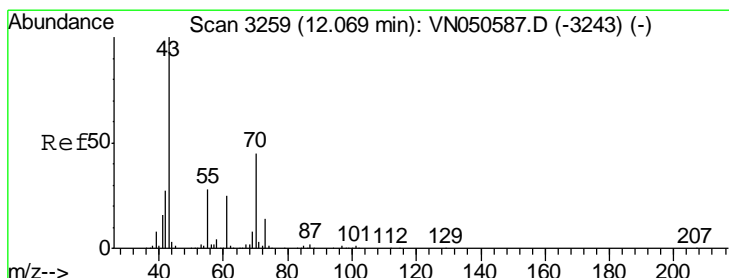
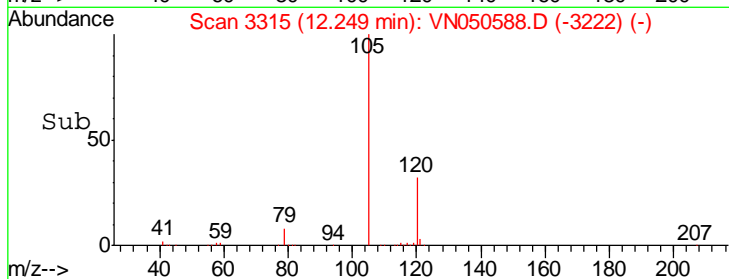
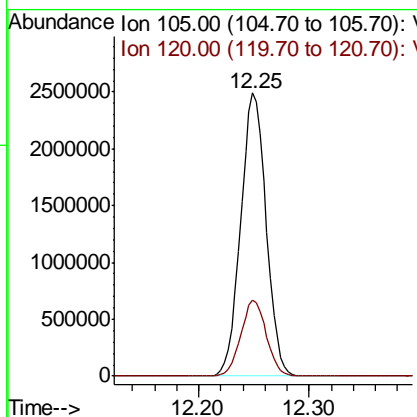
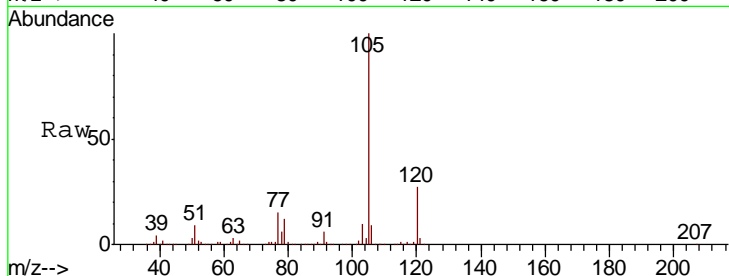
#73
 Isopropylbenzene
 Concen: 105.48 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.8	13.4	40.1

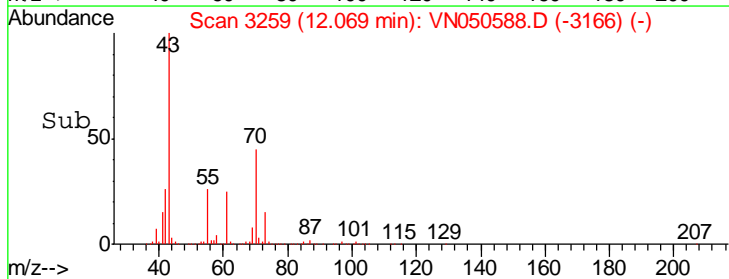
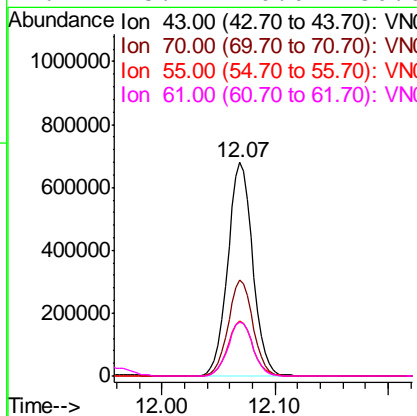
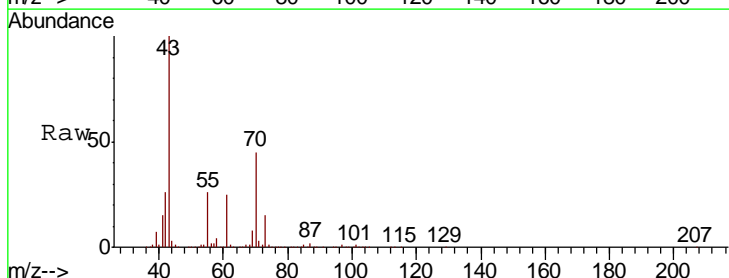
Manual Integrations
 APPROVED

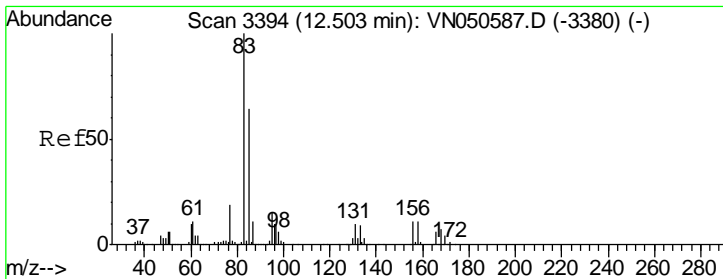
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#74
 N-nyl acetate
 Concen: 88.20 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
43	100		
70	44.7	35.9	53.9
55	26.2	22.2	33.4
61	25.4	20.0	30.0





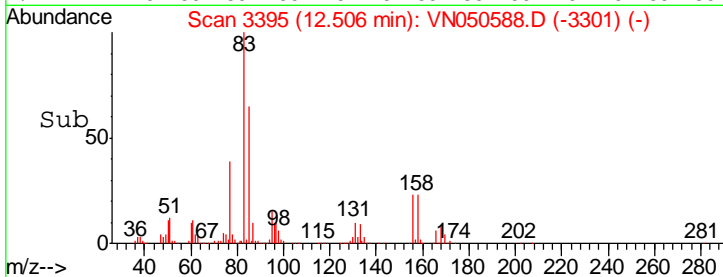
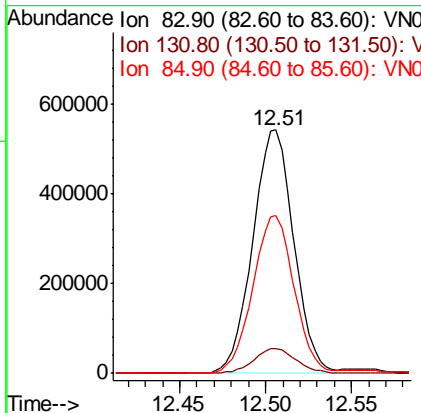
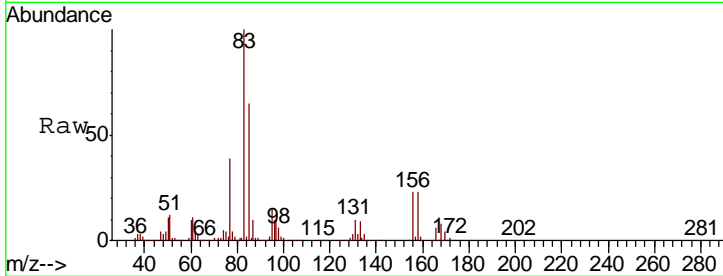
#75
 1,1,2,2-Tetrachloroethane
 Concen: 84.59 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	65.1	32.1	96.5

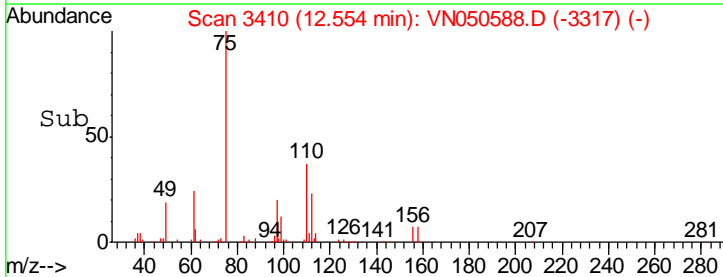
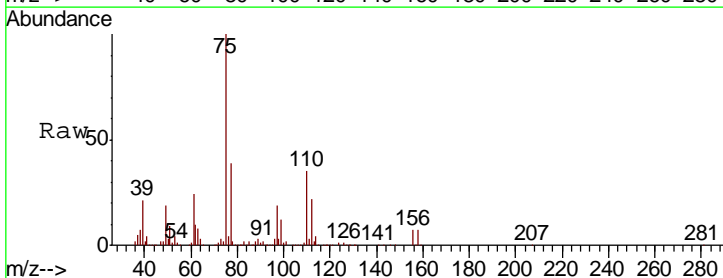
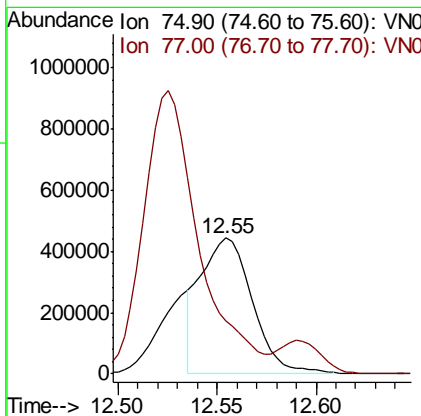
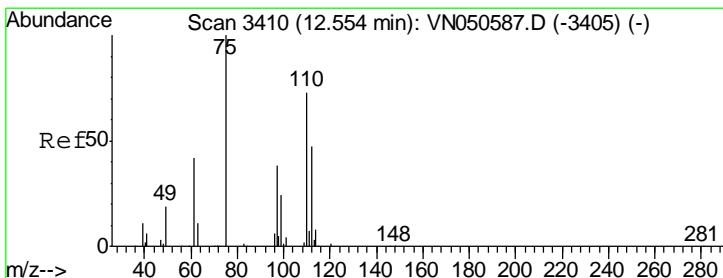
Manual Integrations
 APPROVED

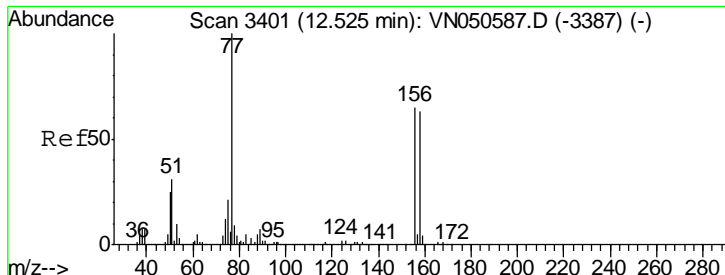
MMDadoda
 8/15/2018 3:21:42 PM



#76
 1,2,3-Trichloropropane
 Concen: 90.03 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





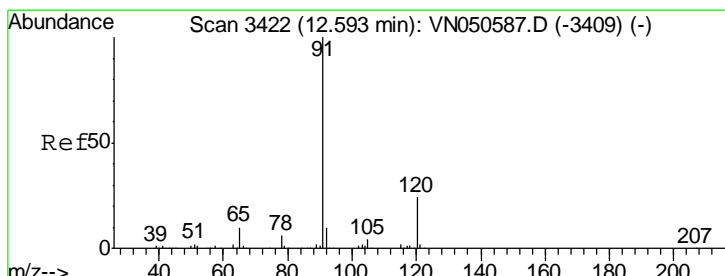
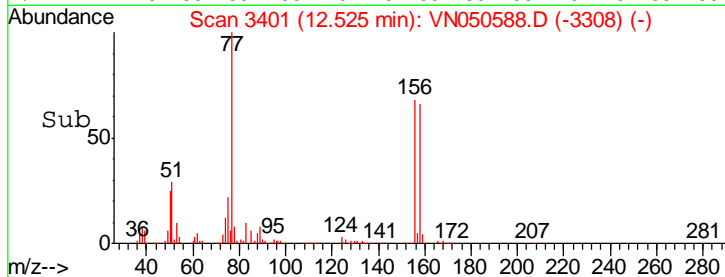
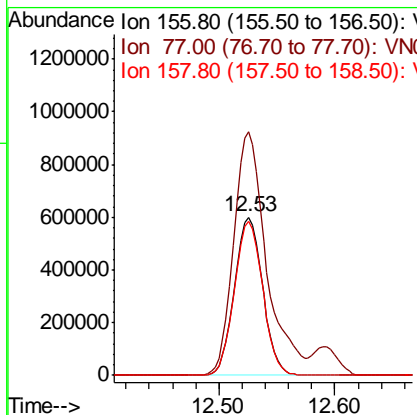
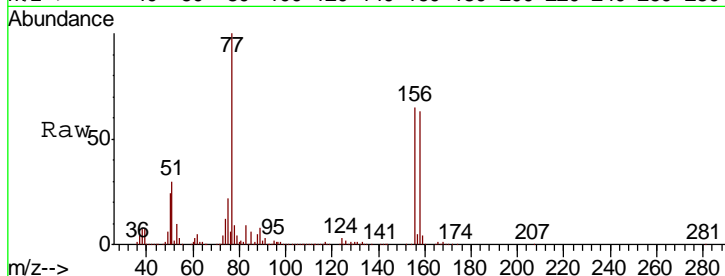
#77
 Bromobenzene
 Concen: 100.39 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 ClientSampled : VSTDICC100

Tgt Ion	Resp	Lower	Upper
156	1009227		
77	177.9	89.0	267.1
158	97.8	48.5	145.6

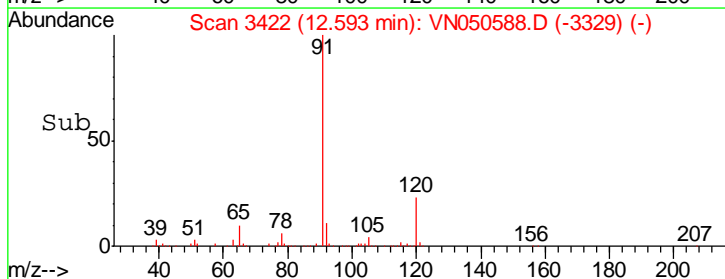
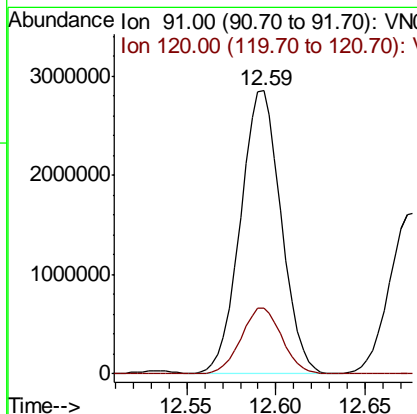
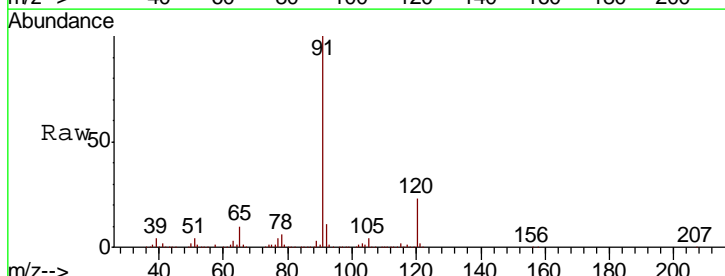
Manual Integrations
 APPROVED

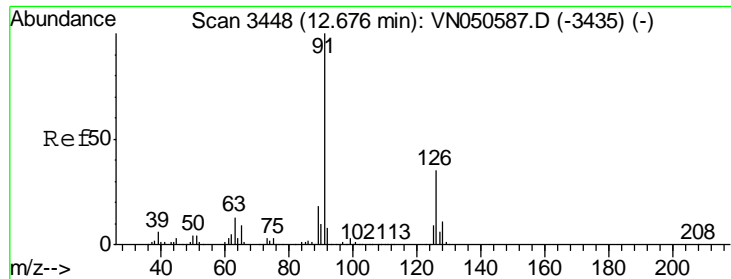
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#78
 n-propylbenzene
 Concen: 106.58 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
91	4528598		
120	23.4	11.8	35.4





#79
 2-Chlorotoluene
 Concen: 101.84 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

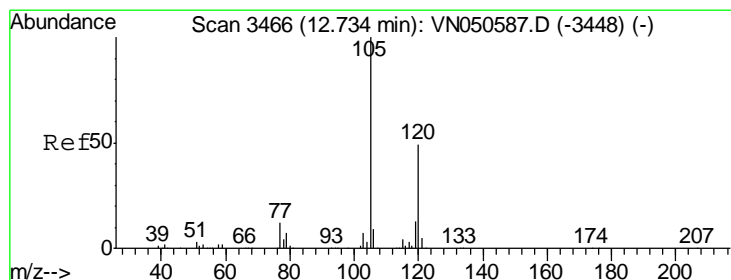
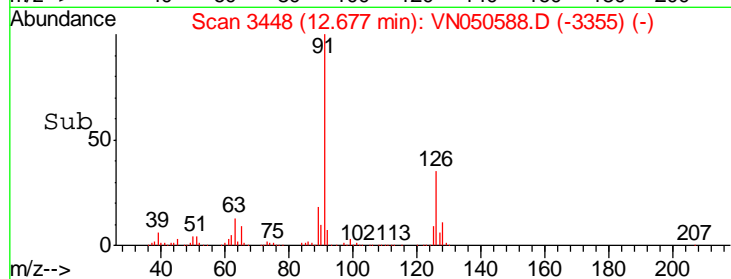
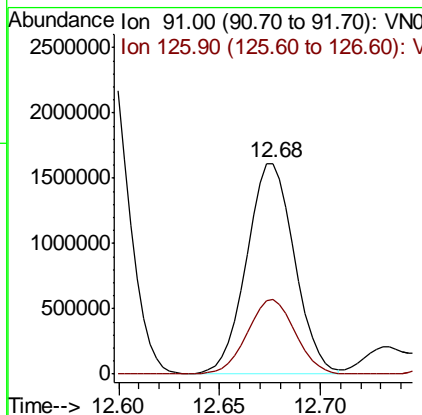
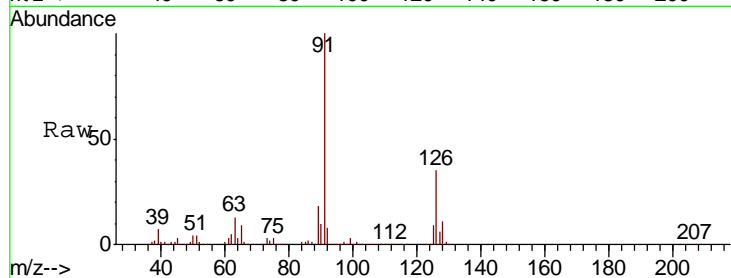
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC100

Tgt Ion: 91 Resp: 2674457

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.6	52.8

Manual Integrations
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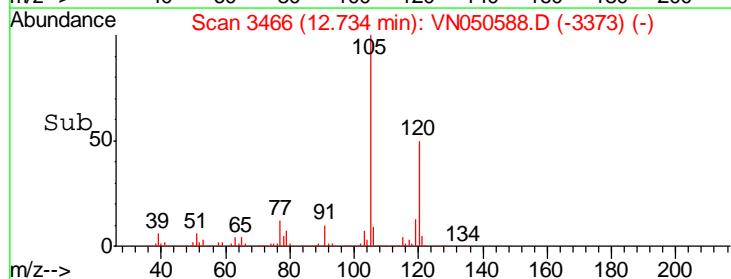
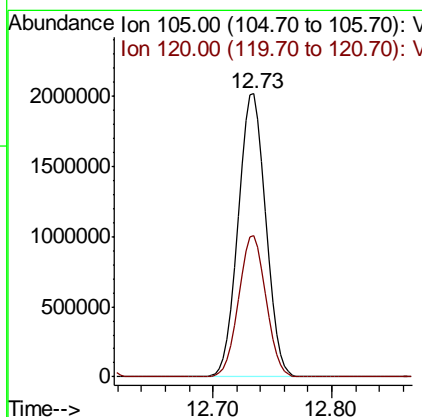
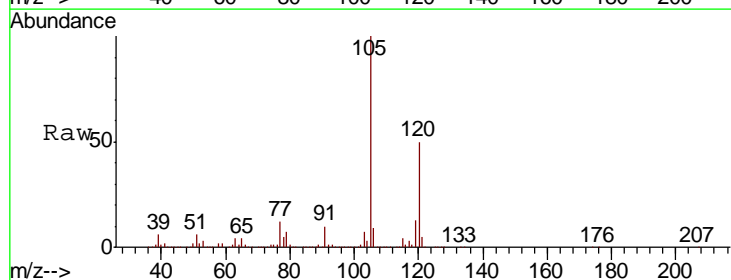
MMDadoda
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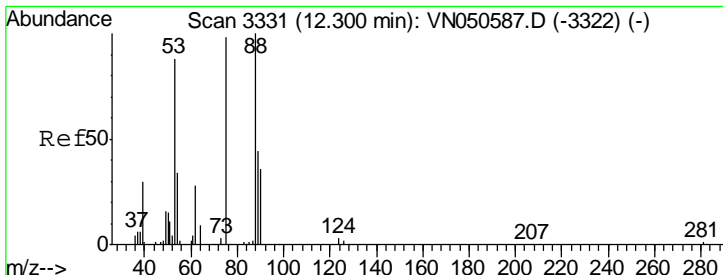


#80
 1,3,5-Trimethylbenzene
 Concen: 106.44 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 105 Resp: 3239718

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.7	74.1





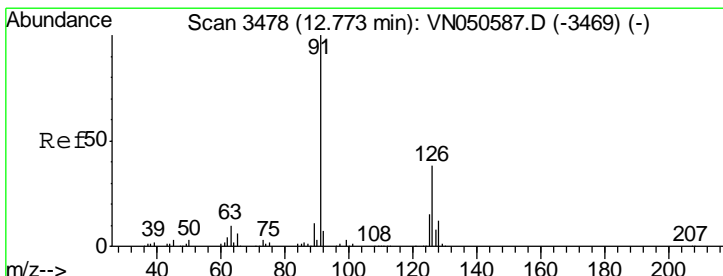
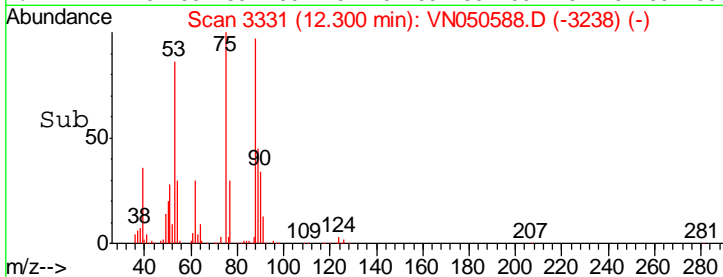
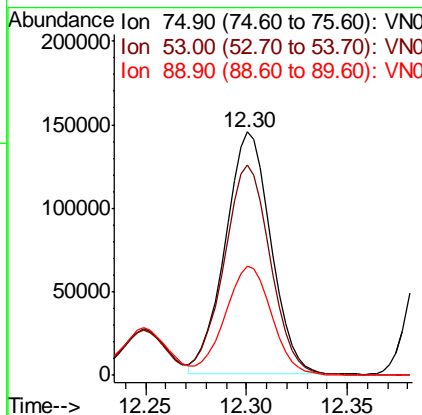
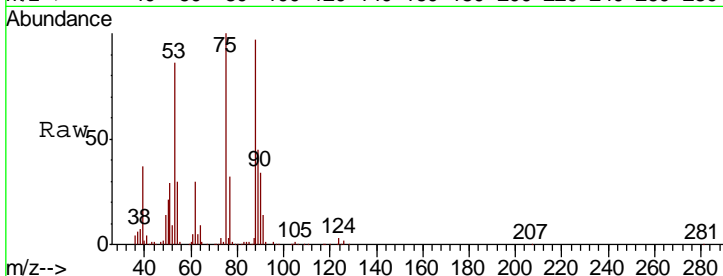
#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.46 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	100		
53	89.2	72.2	108.2
89	46.2	36.3	54.5

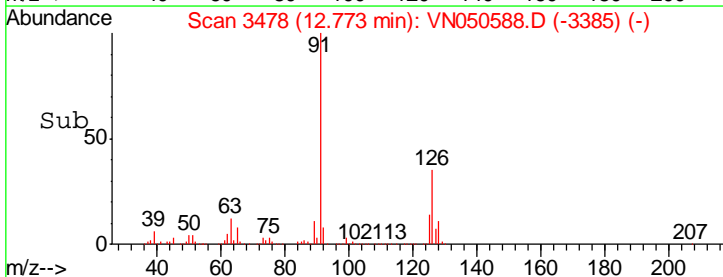
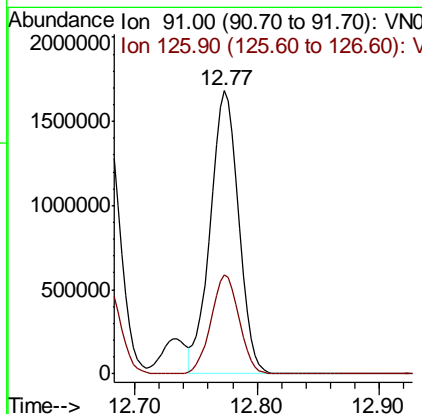
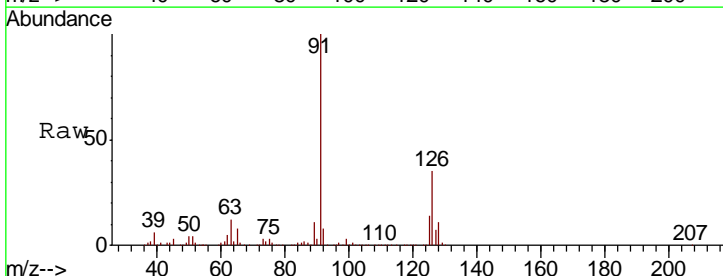
Manual Integrations
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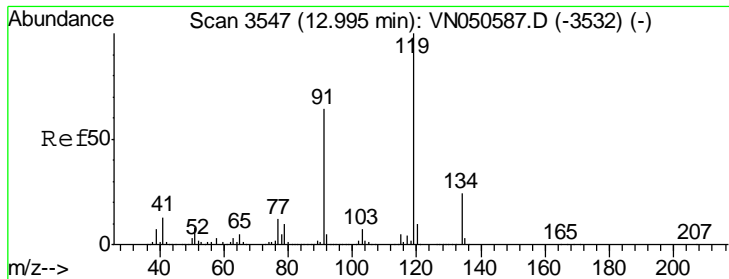
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#82
 4-Chlorotoluene
 Concen: 104.73 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.7	17.3	52.0





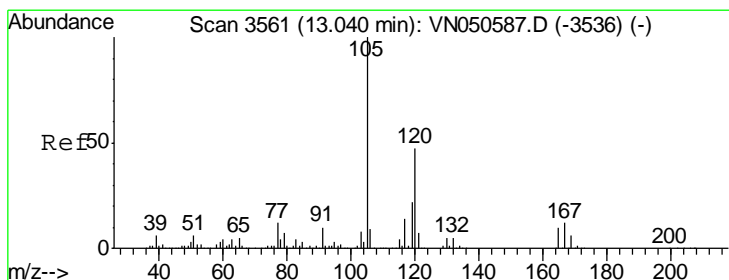
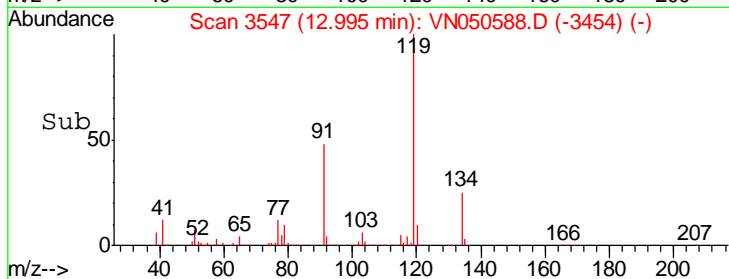
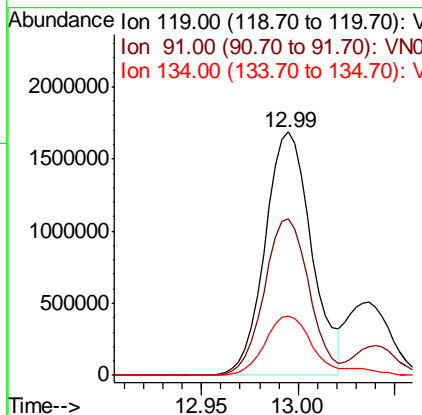
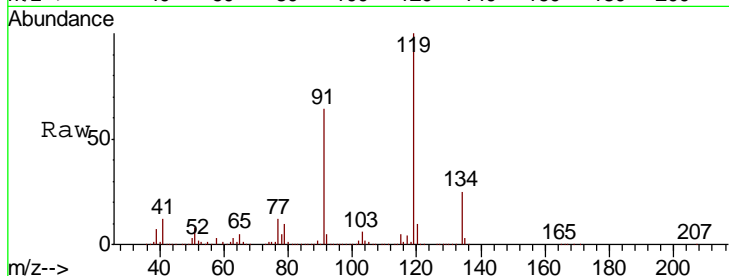
#83
 tert-Butylbenzene
 Concen: 106.29 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
119	2814820		
91	62.2	32.2	96.6
134	26.3	13.4	40.2

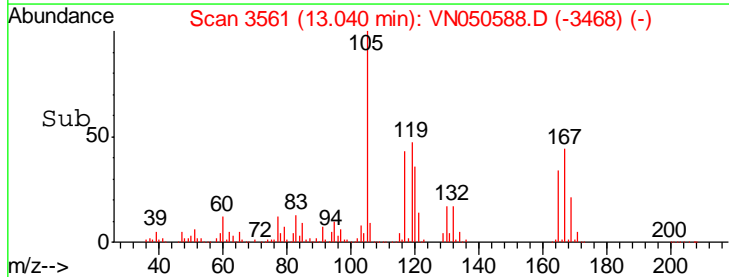
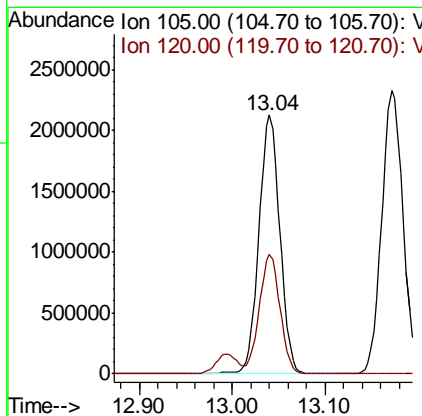
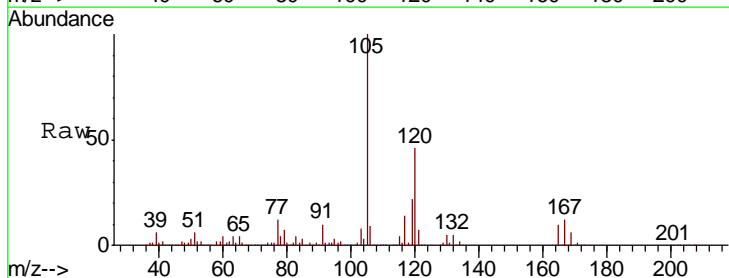
Manual Integrations
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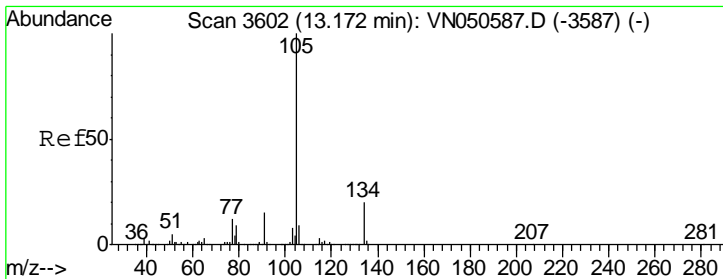
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#84
 1,2,4-Trimethylbenzene
 Concen: 107.90 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

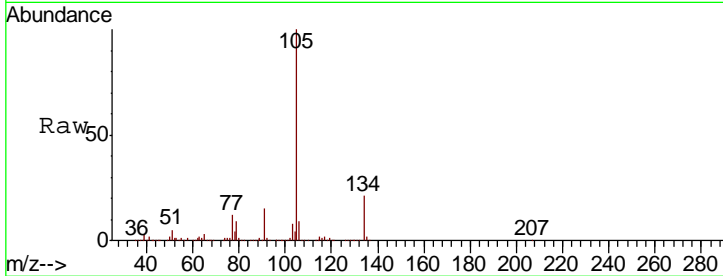
Tgt Ion	Resp	Lower	Upper
105	3325036		
120	45.9	23.2	69.5





#85
 sec-Butylbenzene
 Concen: 104.25 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

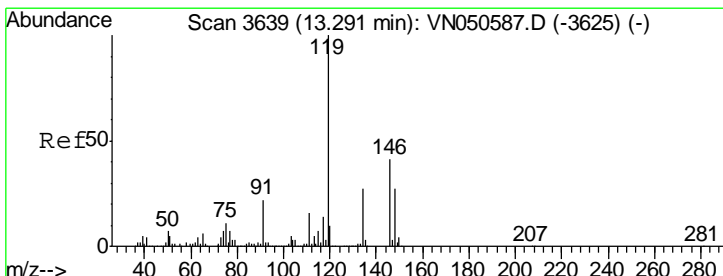
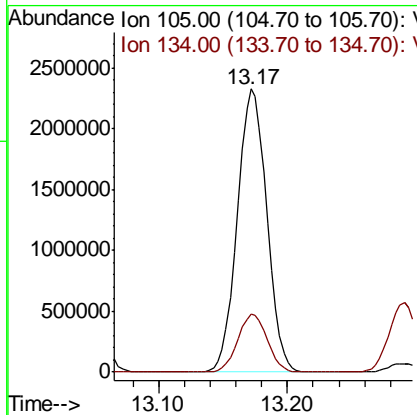
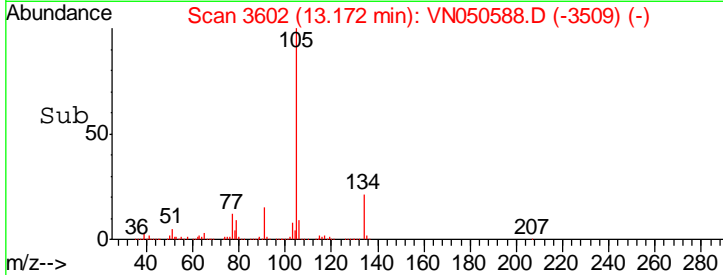
Instrument : MSVOA_N
 Client Sampled : VSTDIC100



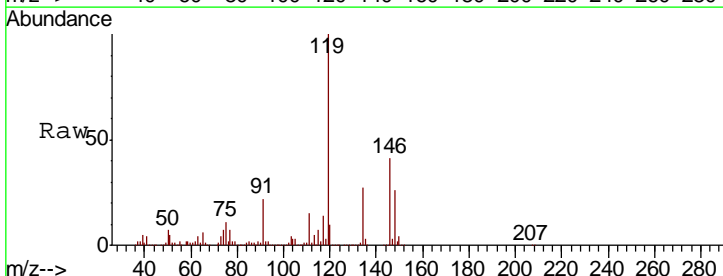
Tgt Ion: 105 Resp: 3687248

Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.1	30.3

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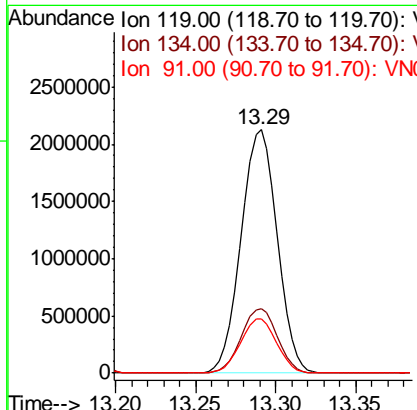
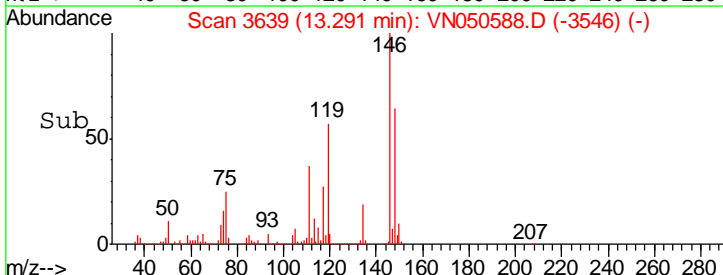


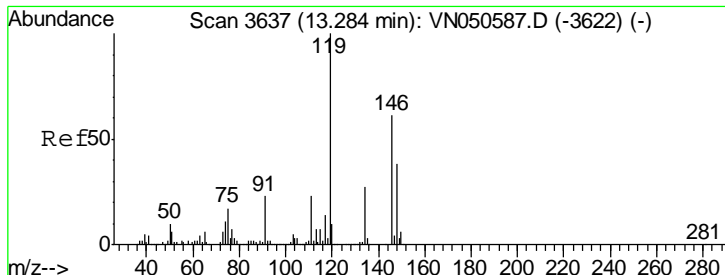
#86
 p-Isopropyltoluene
 Concen: 107.78 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24



Tgt Ion: 119 Resp: 3262447

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.4
91	22.3	11.2	33.6





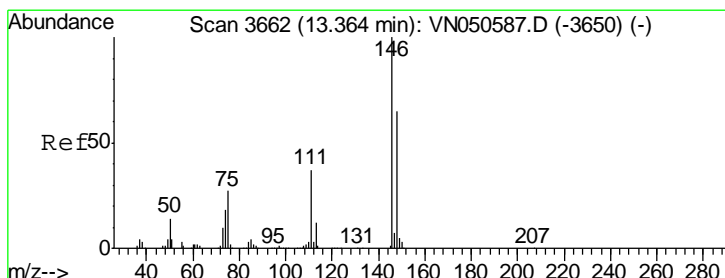
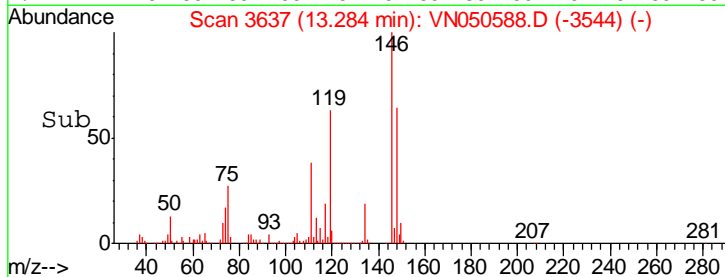
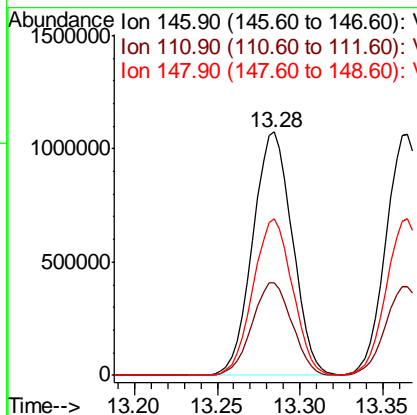
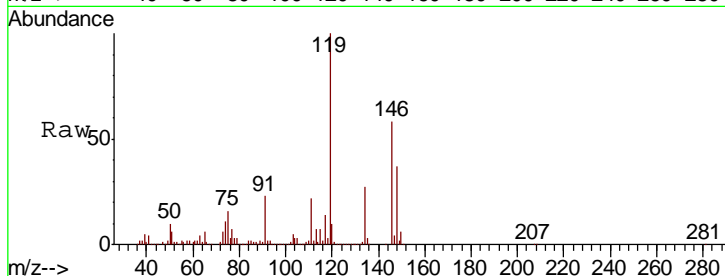
#87
 1,3-Dichlorobenzene
 Concen: 100.18 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	1786606		
146	100		
111	38.2	19.2	57.6
148	63.8	31.9	95.7

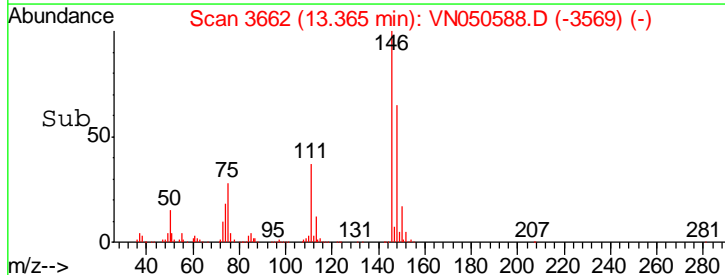
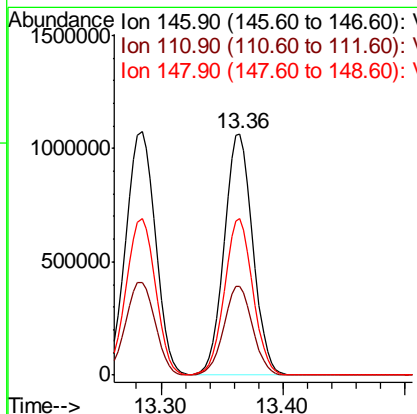
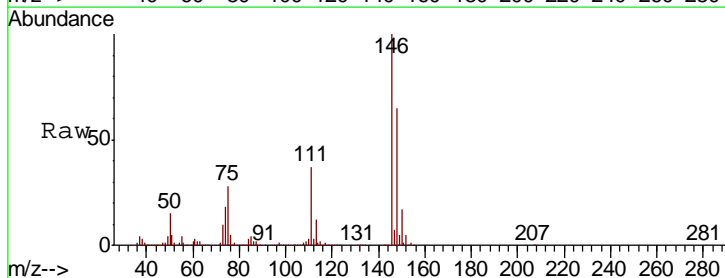
Manual Integrations
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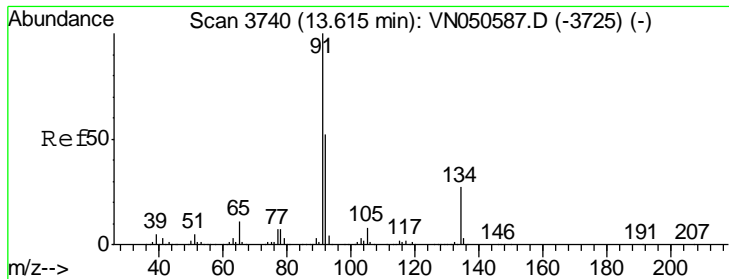
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#88
 1,4-Dichlorobenzene
 Concen: 98.25 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
146	1747856		
146	100		
111	37.1	18.8	56.4
148	64.3	32.3	96.8





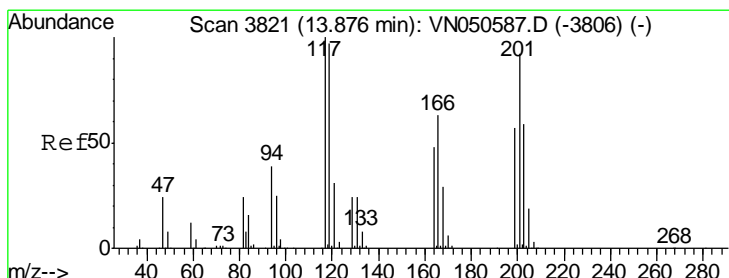
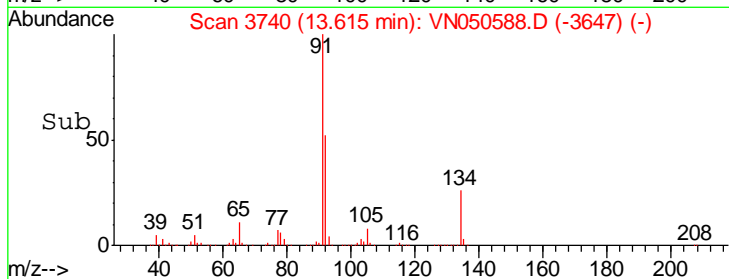
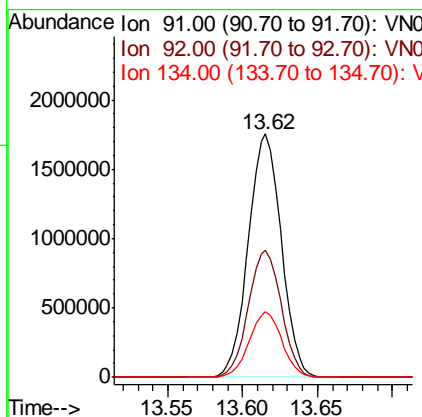
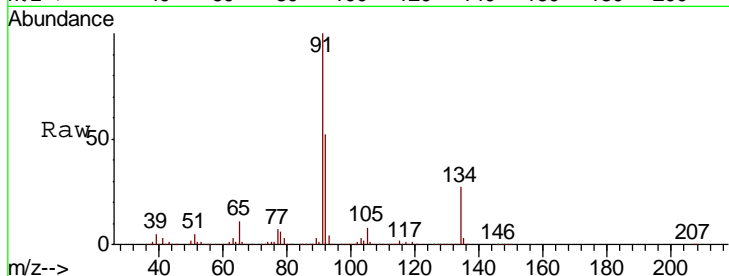
#89
 n-Butylbenzene
 Concen: 105.24 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	2692785		
91	100		
92	52.1	26.3	78.8
134	26.6	13.3	39.9

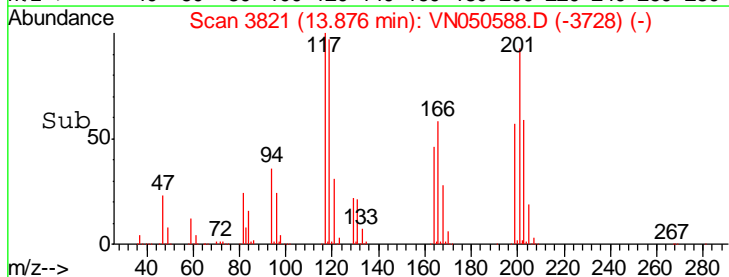
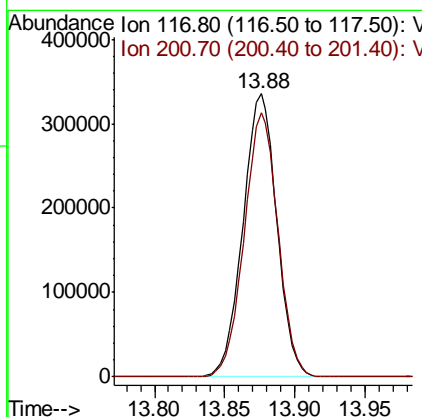
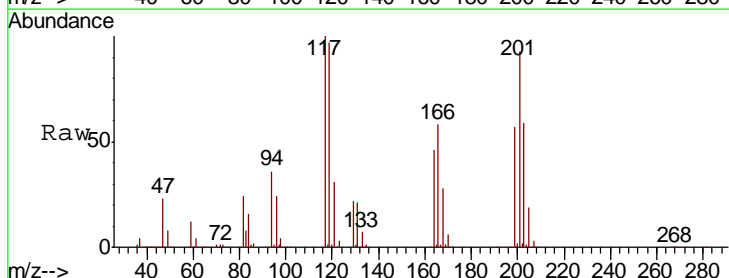
Manual Integrations
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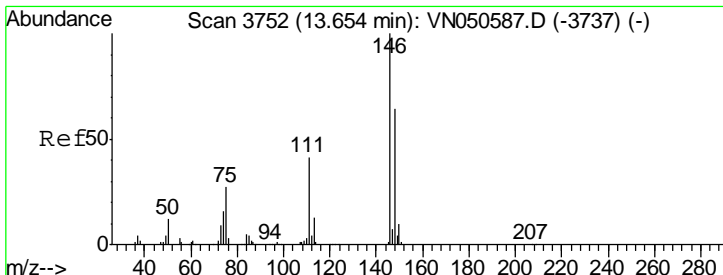
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#90
 Hexachloroethane
 Concen: 103.78 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

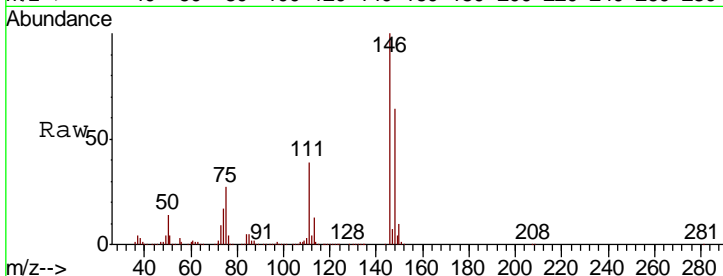
Tgt Ion	Resp	Lower	Upper
117	563638		
117	100		
201	93.1	45.5	136.5





#91
 1,2-Dichlorobenzene
 Concen: 94.90 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

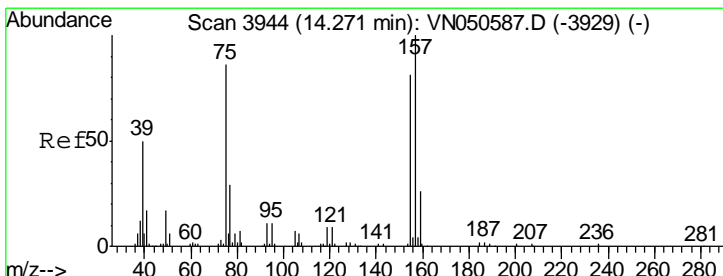
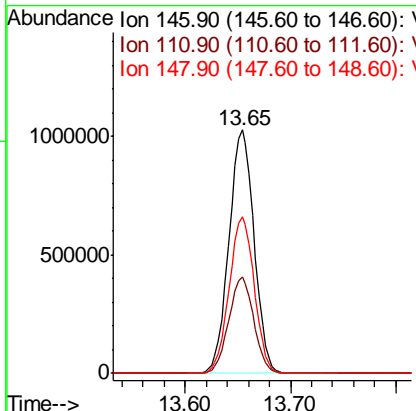
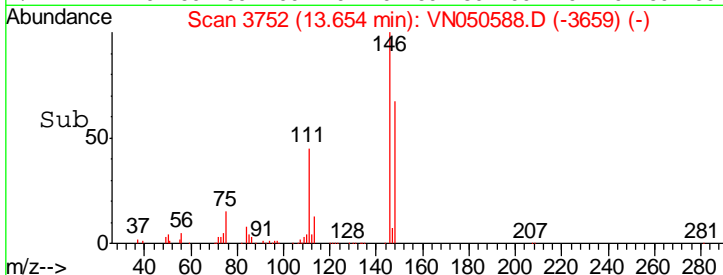
Instrument : MSVOA_N
 Client Sampled : VSTDIC100



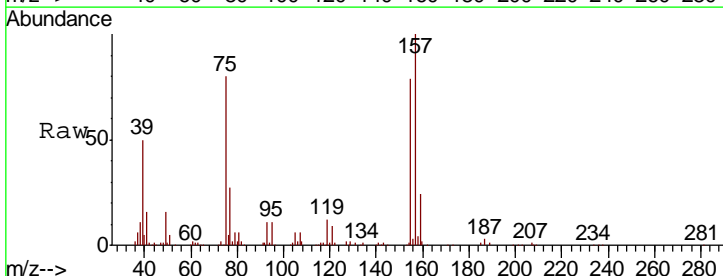
Tgt Ion: 146 Resp: 1689473

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	64.2	32.3	96.8

Manual Integrations APPROVED
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 8/15/2018 3:21:42 PM

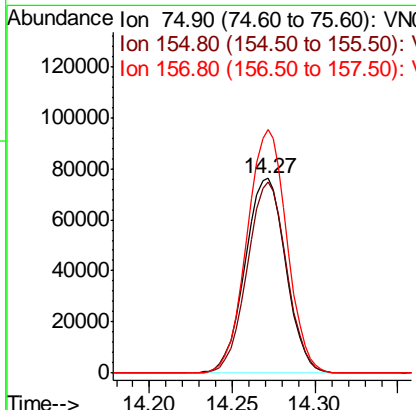
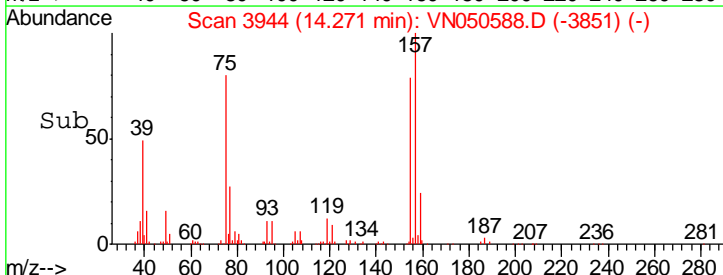


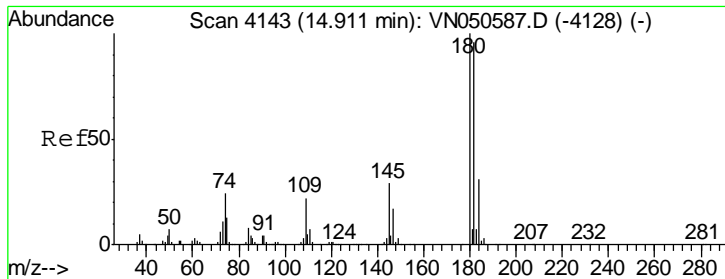
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.04 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24



Tgt Ion: 75 Resp: 130946

Ion	Ratio	Lower	Upper
75	100		
155	94.5	46.6	139.8
157	122.0	58.1	174.2





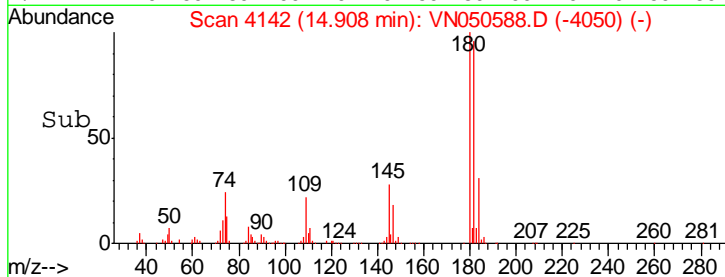
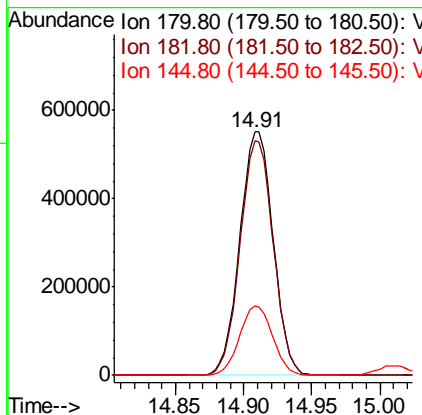
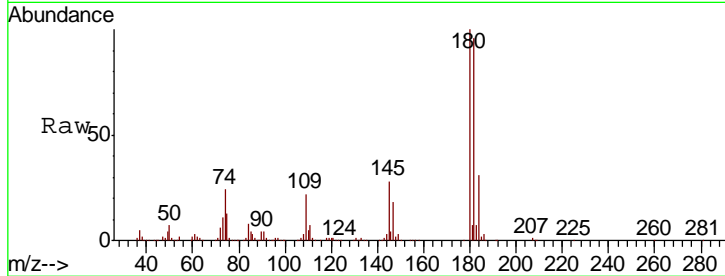
#93
 1,2,4-Trichlorobenzene
 Concen: 104.48 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	28.3	14.4	43.4

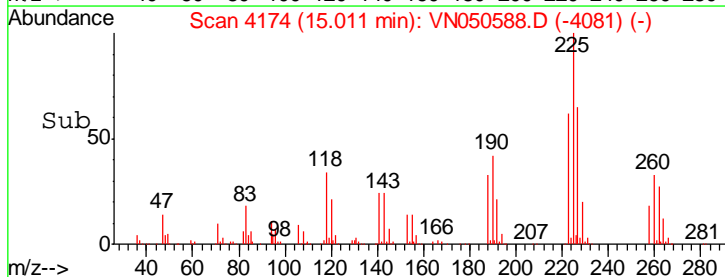
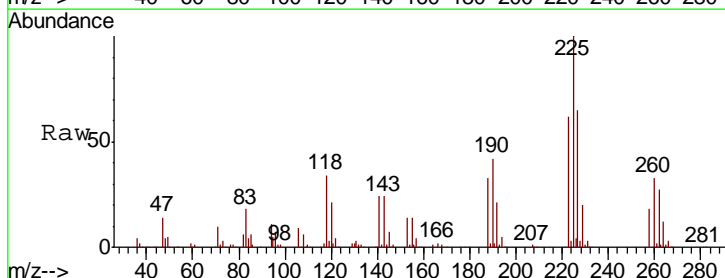
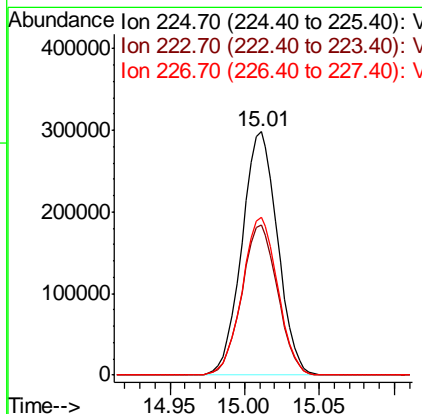
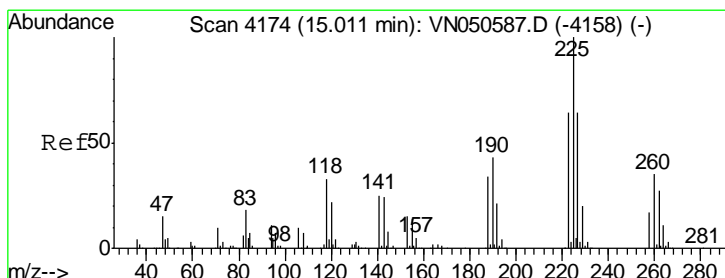
Manual Integrations
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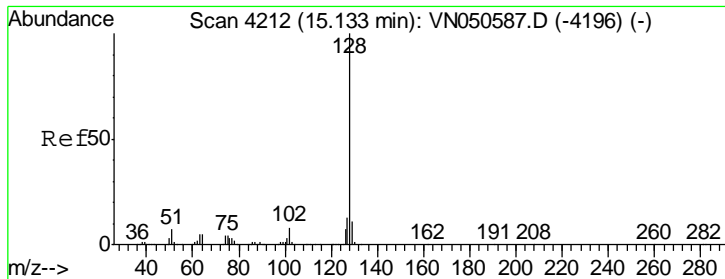
MMDadoda
 8/15/2018 3:21:42 PM



#94
 Hexachlorobutadiene
 Concen: 75.87 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.1	32.1	96.3
227	64.7	32.0	96.2





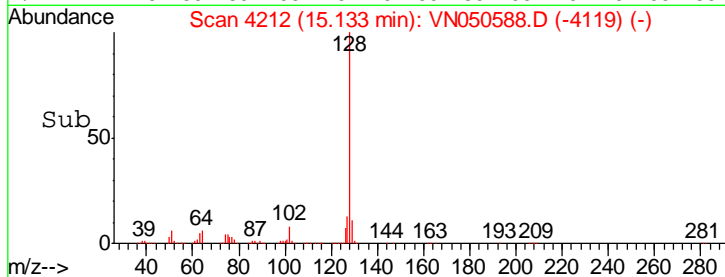
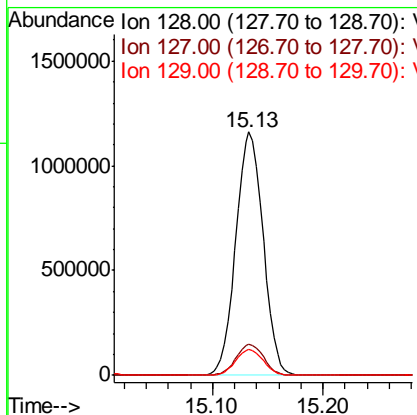
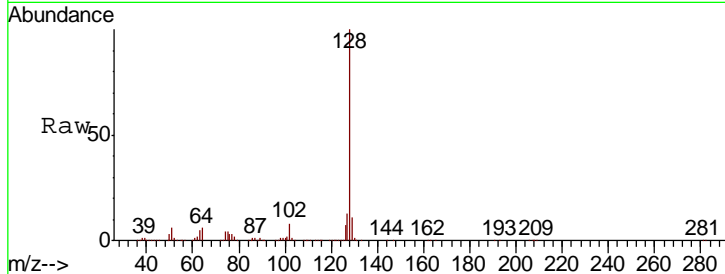
#95
 Naphthalene
 Concen: 98.57 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
128	1994372		
127	12.9	10.3	15.5
129	10.8	8.5	12.7

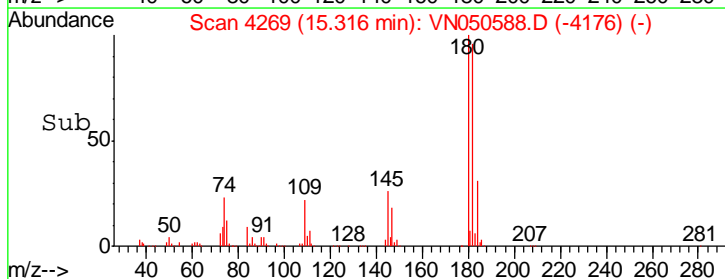
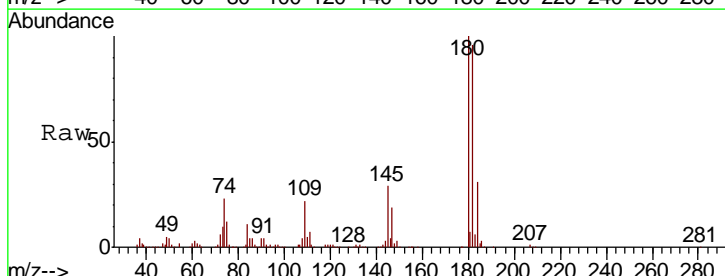
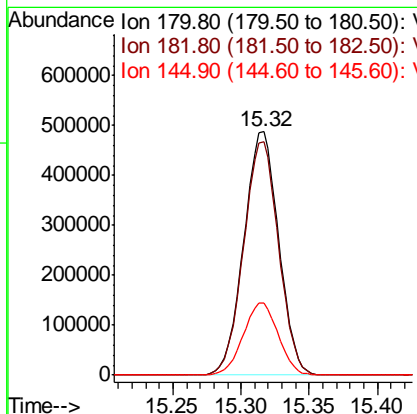
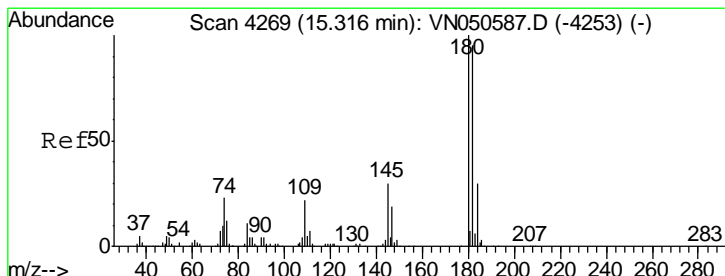
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 8/15/2018 3:21:42 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 95.78 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
180	866071		
182	96.2	47.3	141.8
145	29.8	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050589.D
 Acq On : 14 Aug 2018 1:49
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Manual Integrations
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MMDadoda
 8/15/2018 3:21:47 PM

Quant Time: Aug 14 07:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	706440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1024229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	540148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1253849	133.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	267.76%	
35) Dibromofluoromethane	7.59	113	1183100	143.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.54%	
50) Toluene-d8	10.09	98	4666396	150.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.70%	
62) 4-Bromofluorobenzene	12.40	95	1663786	158.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1101515	140.34	ug/l	98
3) Chloromethane	2.06	50	1446420	138.02	ug/l	99
4) Vinyl Chloride	2.18	62	1437398	141.32	ug/l	99
5) Bromomethane	2.54	94	806473	129.36	ug/l	98
6) Chloroethane	2.69	64	852572	136.67	ug/l	100
7) Trichlorofluoromethane	3.01	101	1849866	141.08	ug/l	100
8) Diethyl Ether	3.41	74	673520	141.30	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1130733	139.41	ug/l	100
10) Methyl Iodide	3.95	142	1019146	260.13	ug/l	100
11) Tert butyl alcohol	4.79	59	376885	535.64	ug/l	100
12) 1,1-Dichloroethene	3.73	96	1086117	142.35	ug/l	99
13) Acrolein	3.61	56	136332	181.08	ug/l	99
14) Allyl chloride	4.32	41	1761176	144.90	ug/l	98
15) Acrylonitrile	4.99	53	2002087	647.68	ug/l	100
16) Acetone	3.82	43	1665488	564.64	ug/l	100
17) Carbon Disulfide	4.05	76	3410958	137.44	ug/l	100
18) Methyl Acetate	4.33	43	933705	111.03	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2980595	140.07	ug/l	100
20) Methylene Chloride	4.55	84	1241189	118.19	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	1182866	143.34	ug/l	98
22) Diisopropyl ether	5.95	45	3651942	146.43	ug/l	99
23) Vinyl Acetate	5.90	43	12535281	715.68	ug/l	99
24) 1,1-Dichloroethane	5.85	63	2151637	140.15	ug/l	100
25) 2-Butanone	6.84	43	2725228	606.99	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1420035	115.71	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1331592	145.82	ug/l	100
28) Bromochloromethane	7.20	49	1003208	141.76	ug/l	100
29) Tetrahydrofuran	7.21	42	1442875	599.08	ug/l	99
30) Chloroform	7.37	83	2135561	139.19	ug/l	99
31) Cyclohexane	7.65	56	2008897	130.68	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1866689	141.67	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1727490	153.73	ug/l	100
37) Ethyl Acetate	6.93	43	998104	128.34	ug/l	100
38) Carbon Tetrachloride	7.77	117	1681589	143.45	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050589.D
 Acq On : 14 Aug 2018 1:49
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Manual Integrations
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 8/15/2018 3:21:47 PM

Quant Time: Aug 14 07:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1949005	158.98	ug/l	98
40) Benzene	8.04	78	5091897	147.18	ug/l	100
41) Methacrylonitrile	7.18	41	576767	137.35	ug/l	97
42) 1,2-Dichloroethane	8.12	62	1523766	140.04	ug/l	100
43) Isopropyl Acetate	8.17	43	1778981	131.06	ug/l #	86
44) Trichloroethene	8.84	130	1349953	145.08	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1336624	147.03	ug/l	99
46) Dibromomethane	9.21	93	771563	138.95	ug/l	99
47) Bromodichloromethane	9.40	83	1687827	145.30	ug/l	100
48) Methyl methacrylate	9.20	41	954905	140.93	ug/l	98
49) 1,4-Dioxane	9.20	88	248428	2411.93	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	6183088	638.00	ug/l	99
52) Toluene	10.16	92	3222169	155.25	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	1766979	153.21	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1970411	152.28	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1119586	139.39	ug/l	99
56) Ethyl methacrylate	10.43	69	1527695	152.84	ug/l	100
57) 1,3-Dichloropropane	10.71	76	1909508	144.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3678405	787.74	ug/l	100
59) 2-Hexanone	10.75	43	4173400	621.00	ug/l	99
60) Dibromochloromethane	10.90	129	1328576	149.94	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1153488	146.34	ug/l	100
64) Tetrachloroethene	10.63	164	1267444	137.80	ug/l	99
65) Chlorobenzene	11.44	112	3611520	146.05	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1308725	145.07	ug/l	100
67) Ethyl Benzene	11.51	91	6297817	157.54	ug/l	99
68) m/p-Xylenes	11.62	106	4816895	316.29	ug/l	100
69) o-Xylene	11.95	106	2344737	160.11	ug/l	99
70) Styrene	11.96	104	3885151	163.59	ug/l	100
71) Bromoform	12.13	173	946516	146.22	ug/l #	100
73) Isopropylbenzene	12.25	105	6151229	150.63	ug/l	99
74) N-amyl acetate	12.07	43	1649602	129.16	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1406880	122.03	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1286327m	131.79	ug/l	
77) Bromobenzene	12.53	156	1593498	145.83	ug/l	100
78) n-propylbenzene	12.59	91	7081288	153.33	ug/l	100
79) 2-Chlorotoluene	12.68	91	4183529	146.57	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	5074200	153.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	374335	138.77	ug/l	96
82) 4-Chlorotoluene	12.77	91	4321332	151.93	ug/l	100
83) tert-Butylbenzene	12.99	119	4398681	152.82	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	5193348	155.06	ug/l	100
85) sec-Butylbenzene	13.17	105	5785147	150.48	ug/l	100
86) p-Isopropyltoluene	13.29	119	5170819	157.18	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2829180	145.96	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2785440	144.05	ug/l	99
89) n-Butylbenzene	13.62	91	4351291	156.47	ug/l	100
90) Hexachloroethane	13.88	117	904433	153.21	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2645282	136.71	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	210169	109.33	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050589.D
 Acq On : 14 Aug 2018 1:49
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
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 8/15/2018 3:21:47 PM

Quant Time: Aug 14 07:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1523574	156.68	ug/l	99
94) Hexachlorobutadiene	15.01	225	772721	109.07	ug/l	98
95) Naphthalene	15.13	128	3322385	151.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1404772	142.94	ug/l	98

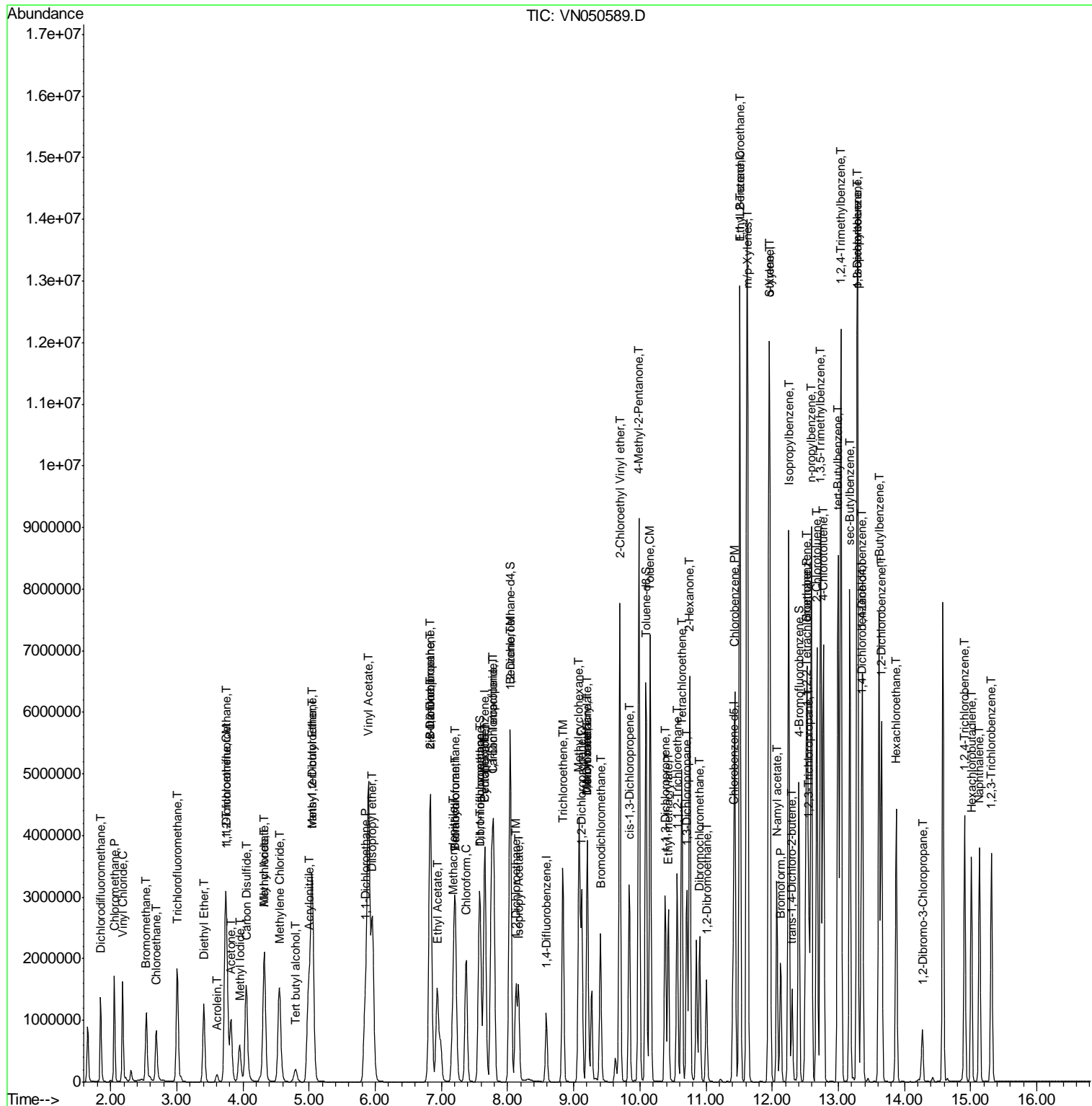
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050589.D
Acq On : 14 Aug 2018 1:49
Operator : MD\SY
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 1

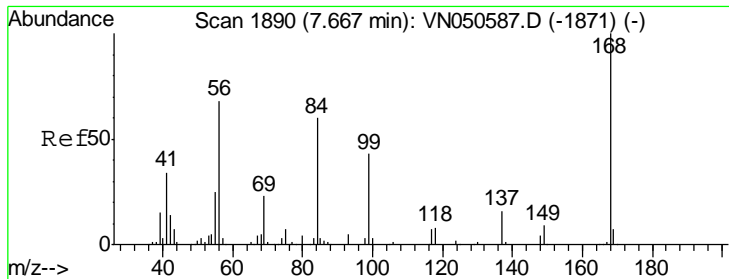
Instrument :
MSVOA_N
Client Sampled :
VSTDICC150

Manual Integrations
APPROVED
MMDadoda
8/15/2018 3:21:47 PM

Quant Time: Aug 14 07:49:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 07:26:24 2018
Response via : Initial Calibration



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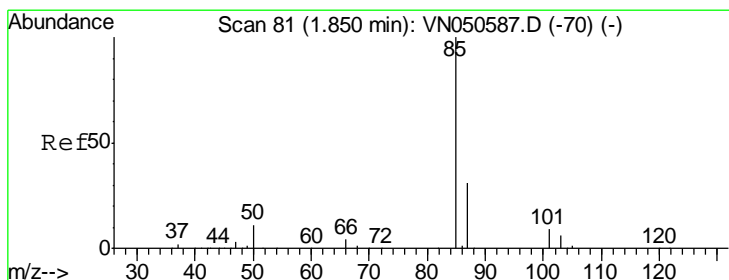
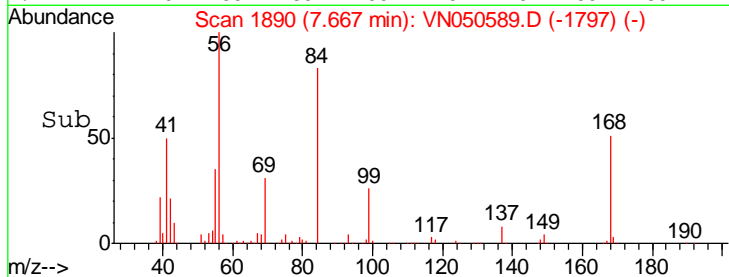
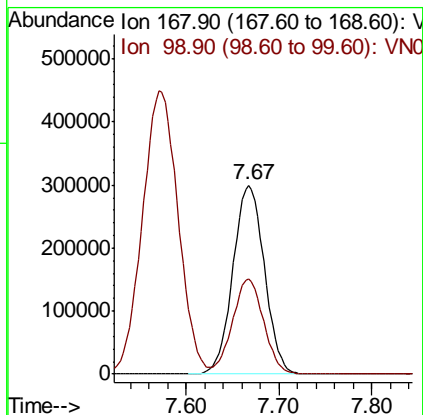
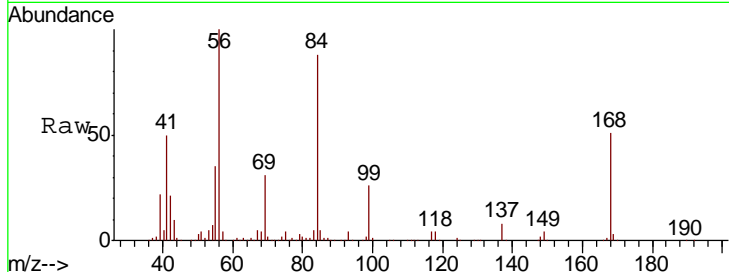
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
168	706440		
99	50.4	40.8	61.2

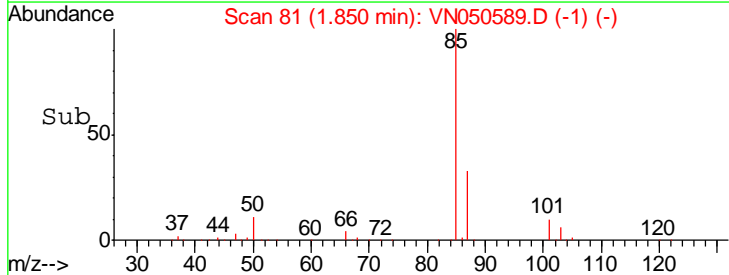
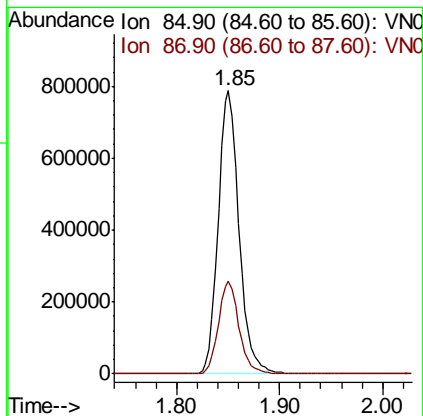
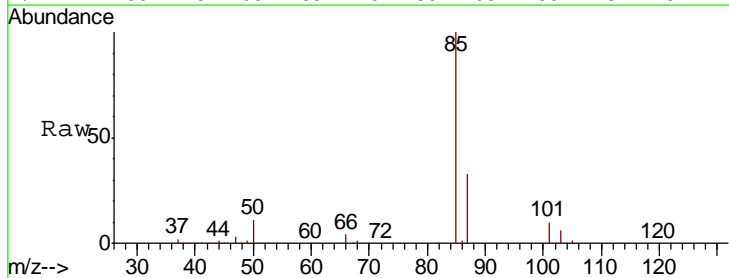
Manual Integrations
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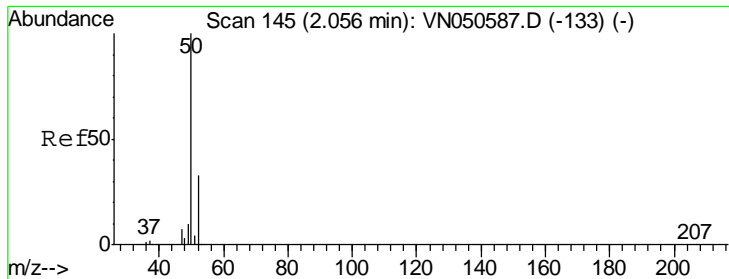
MMDadoda
 8/15/2018 3:21:47 PM



#2
 Dichlorodifluoromethane
 Concen: 140.34 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
85	1101515		
87	32.6	15.8	47.3





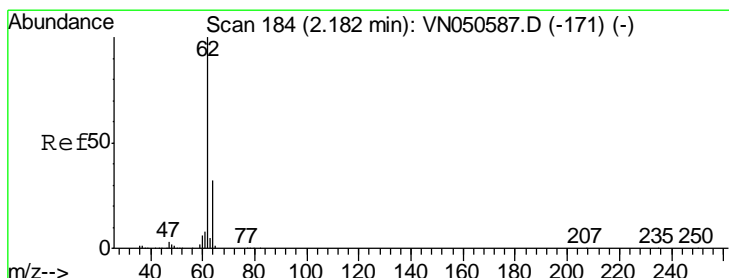
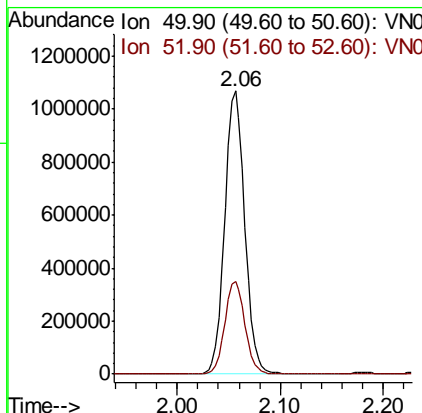
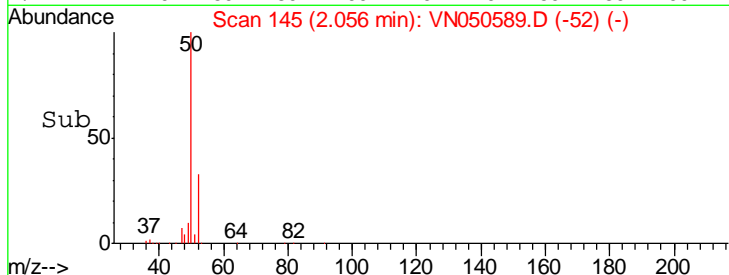
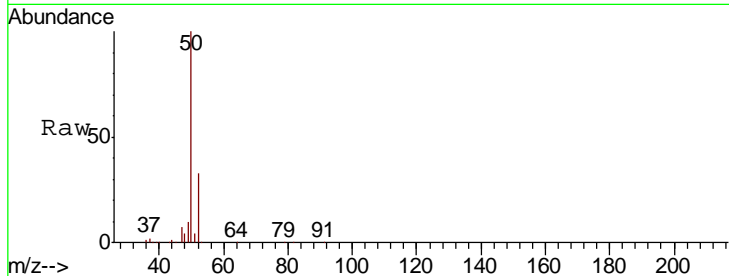
#3
 Chloromethane
 Concen: 138.02 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.0	26.0	39.0

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

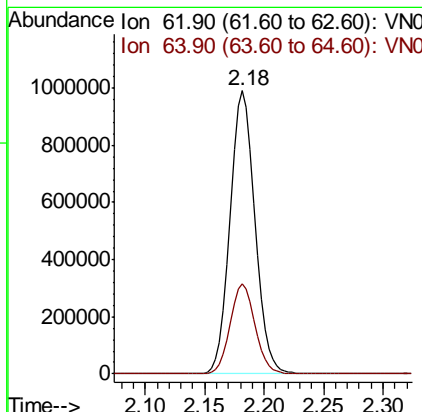
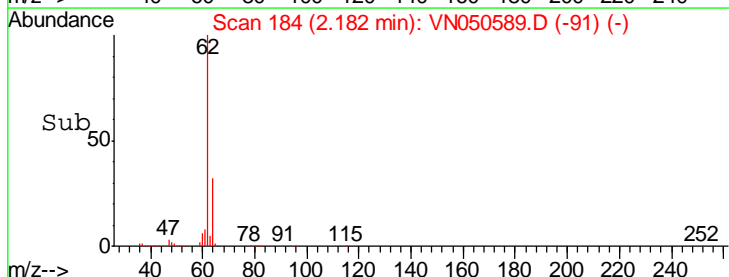
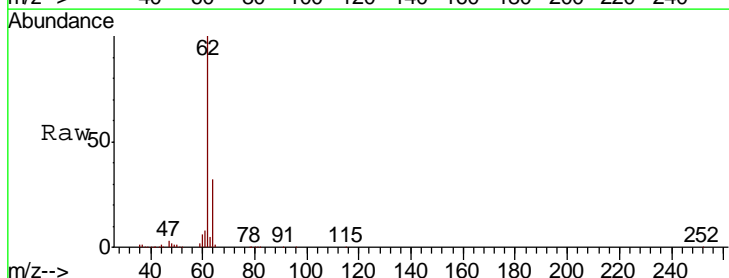
Manual Integrations
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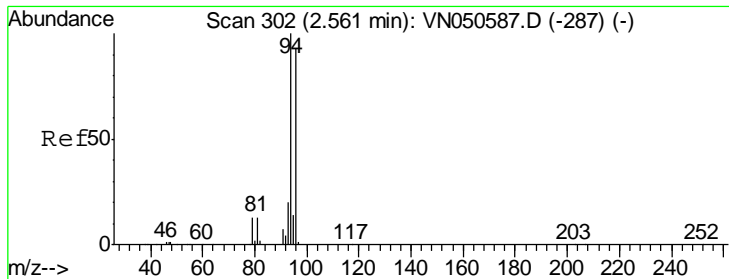
MMDadoda
 8/15/2018 3:21:47 PM



#4
 Vinyl Chloride
 Concen: 141.32 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.8	25.2	37.8



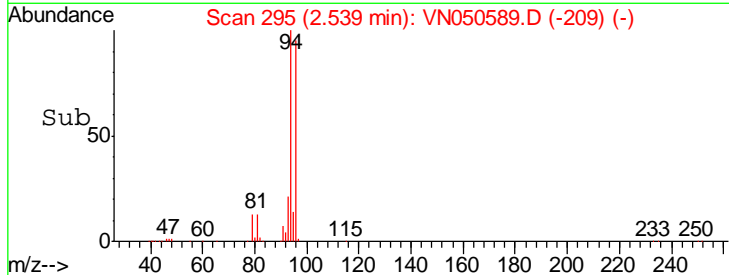
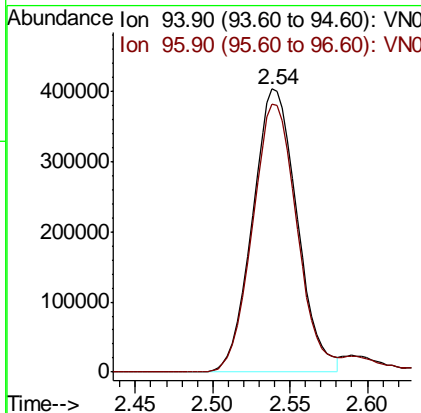
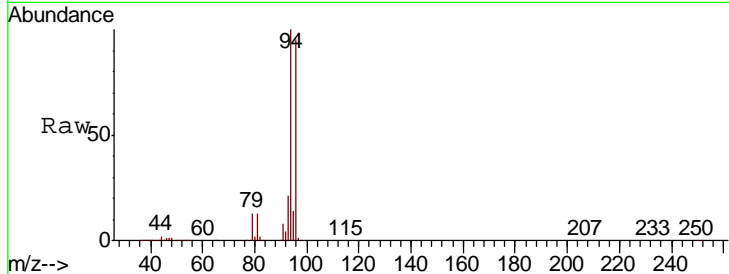


#5
 Bromomethane
 Concen: 129.36 ug/l
 RT: 2.54 min Scan# 295
 Delta R.T. -0.02 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
94	100		
96	94.8	74.0	111.0

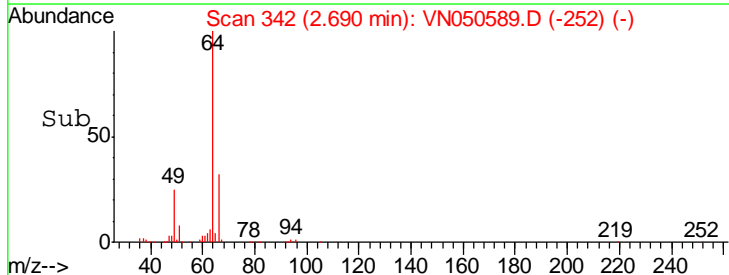
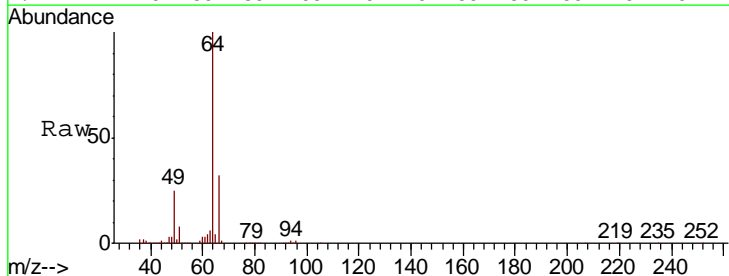
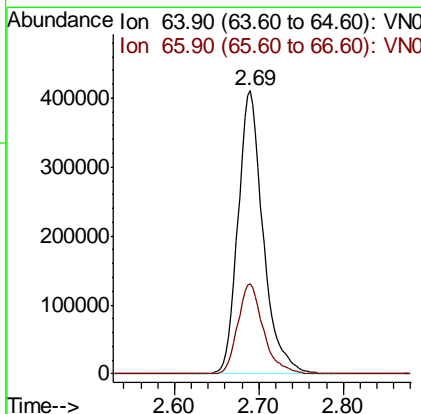
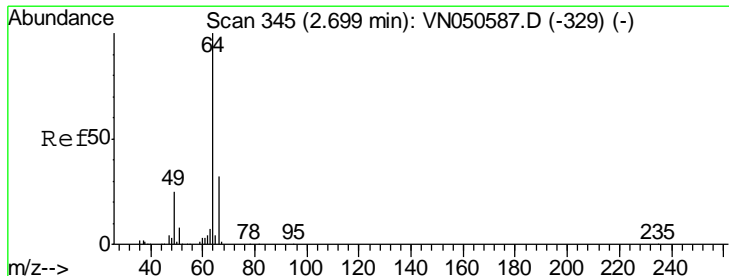
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

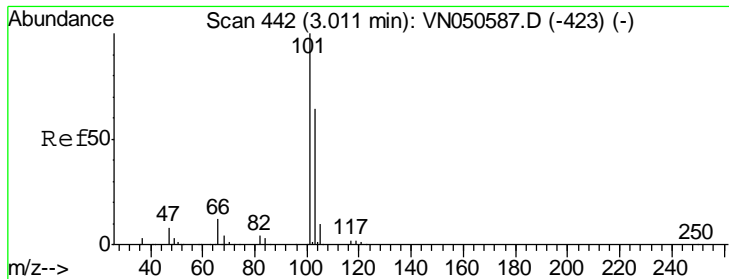
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#6
 Chloroethane
 Concen: 136.67 ug/l
 RT: 2.69 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.9	25.7	38.5





#7
 Trichlorofluoromethane
 Concen: 141.08 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

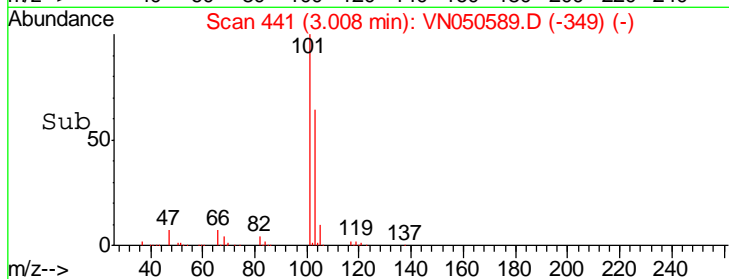
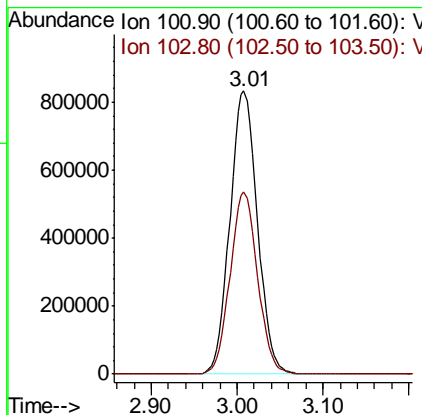
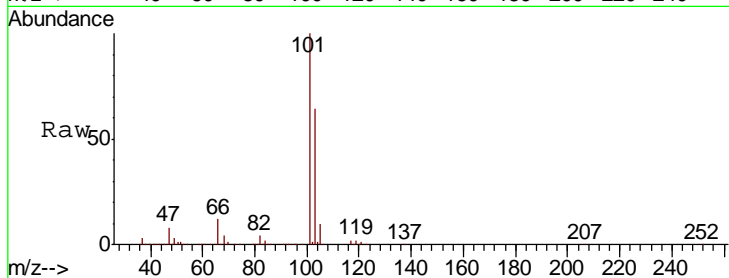
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion:101 Resp: 1849866

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.0

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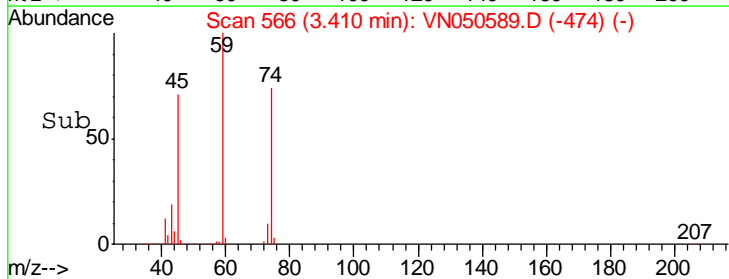
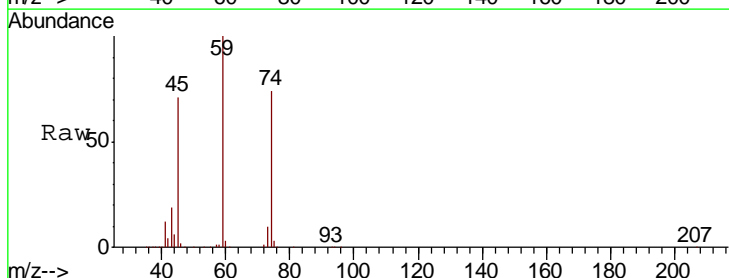
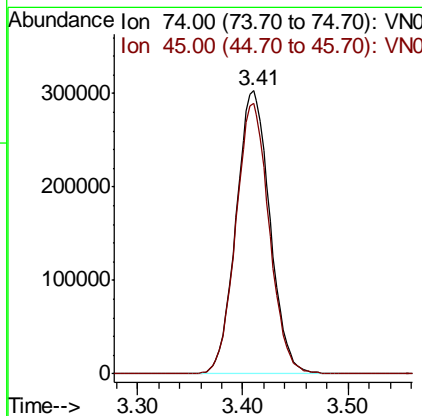
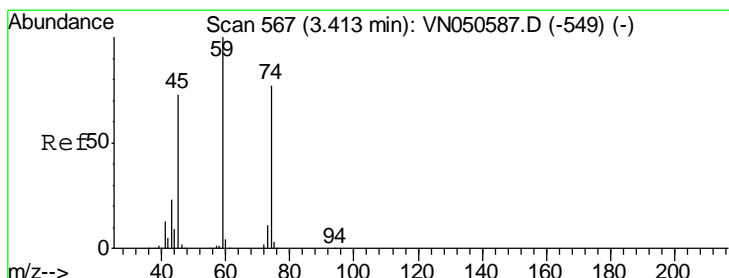
MMDadoda
 8/15/2018 3:21:47 PM

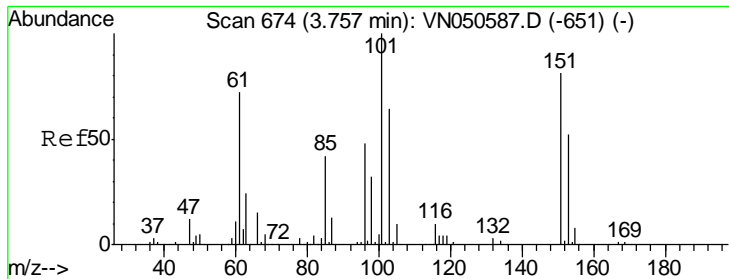


#8
 Diethyl Ether
 Concen: 141.30 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 74 Resp: 673520

Ion	Ratio	Lower	Upper
74	100		
45	94.4	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 139.41 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

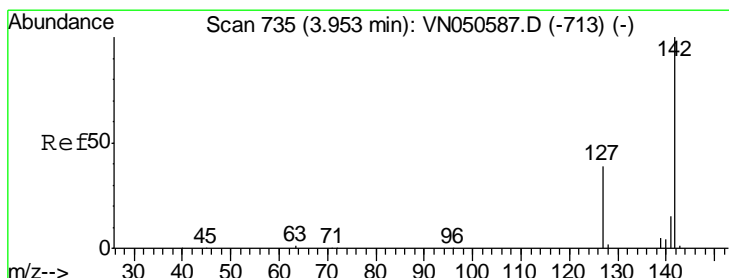
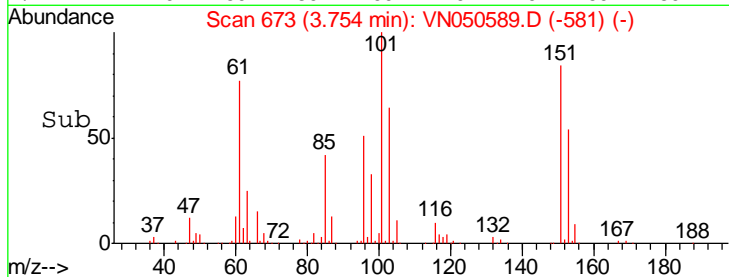
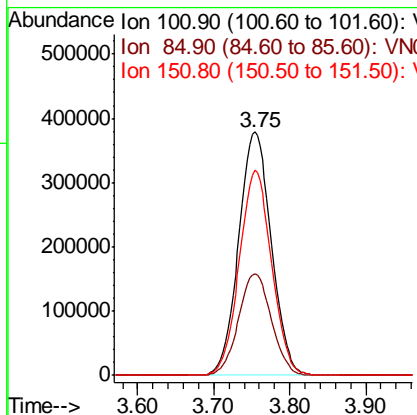
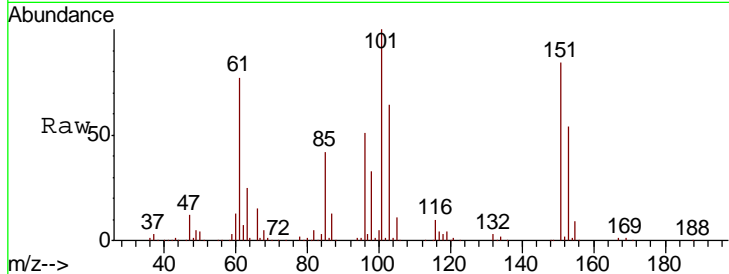
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion:101 Resp: 1130733

Ion	Ratio	Lower	Upper
101	100		
85	42.0	33.4	50.0
151	83.3	66.6	100.0

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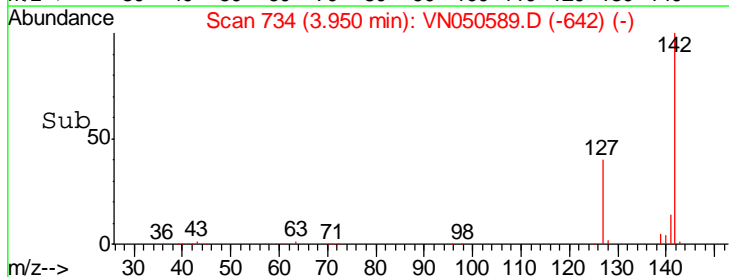
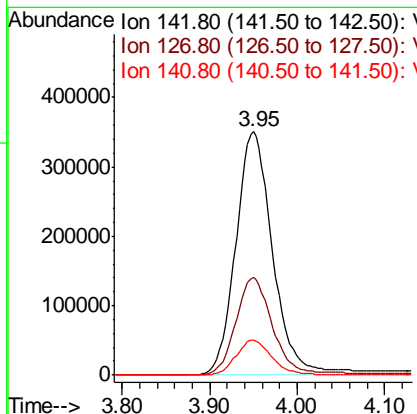
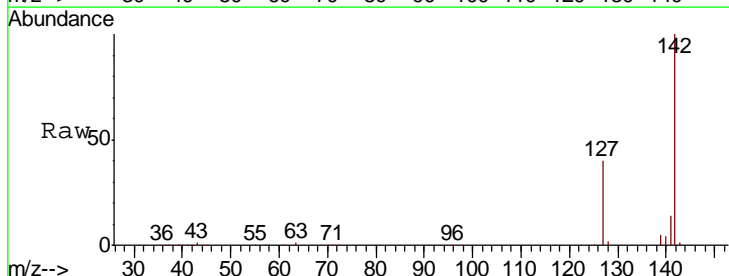
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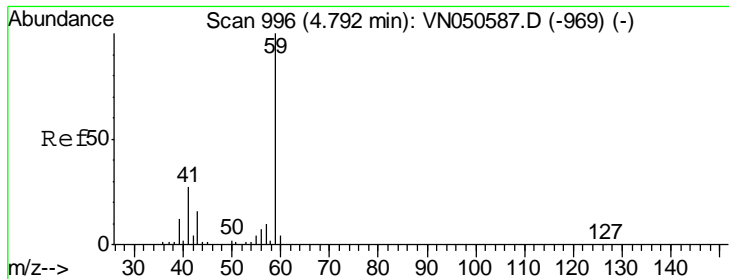


#10
 Methyl Iodide
 Concen: 260.13 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion:142 Resp: 1019146

Ion	Ratio	Lower	Upper
142	100		
127	40.6	32.6	49.0
141	14.2	11.5	17.3





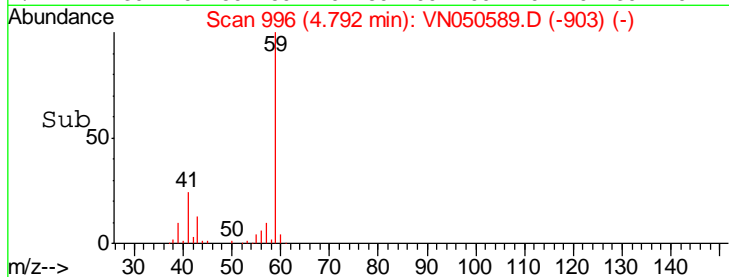
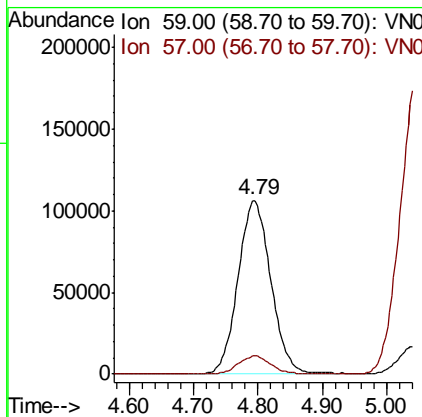
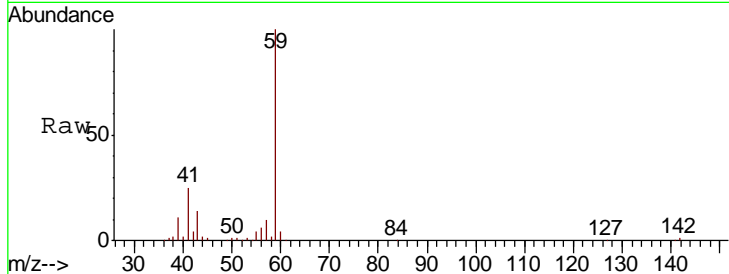
#11
 Tert butyl alcohol
 Concen: 535.64 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
59	376885		
57	10.4	8.4	12.6

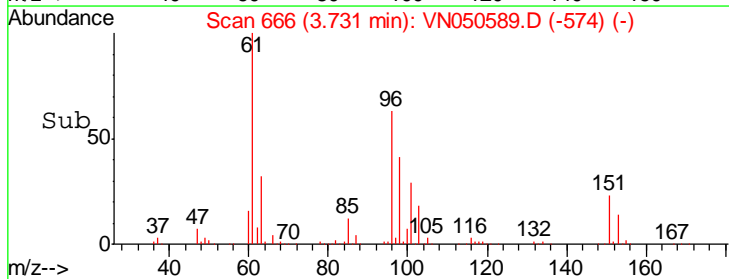
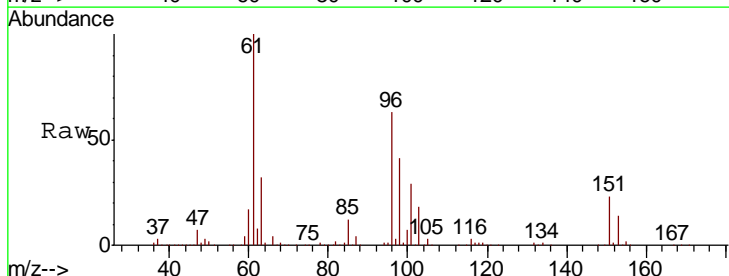
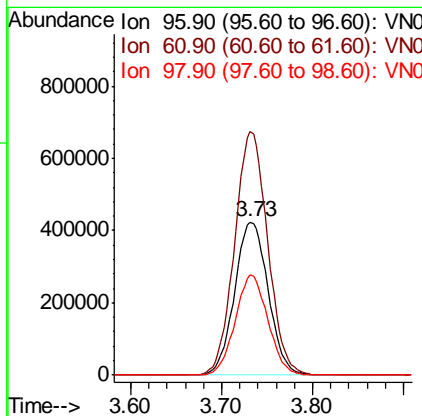
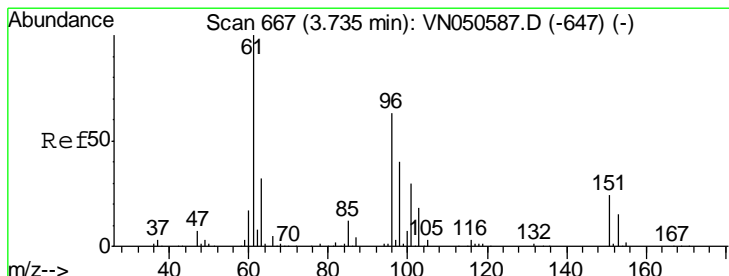
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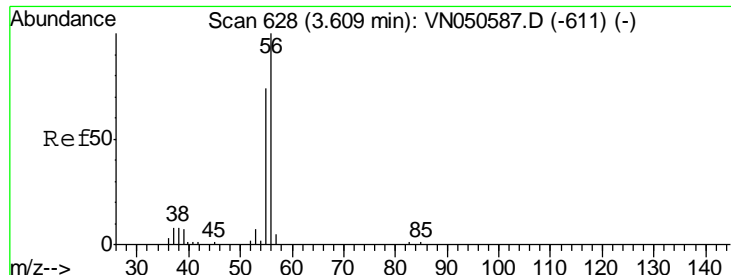
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#12
 1,1-Dichloroethene
 Concen: 142.35 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
96	1086117		
61	158.7	126.9	190.3
98	65.1	51.1	76.7





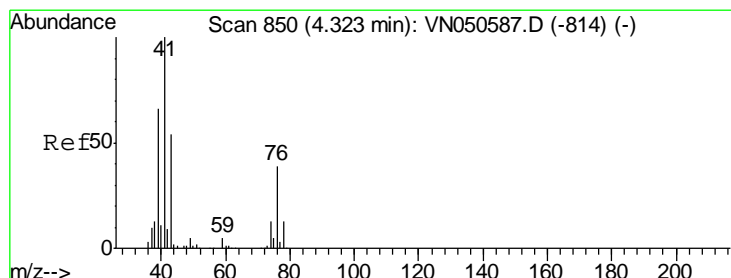
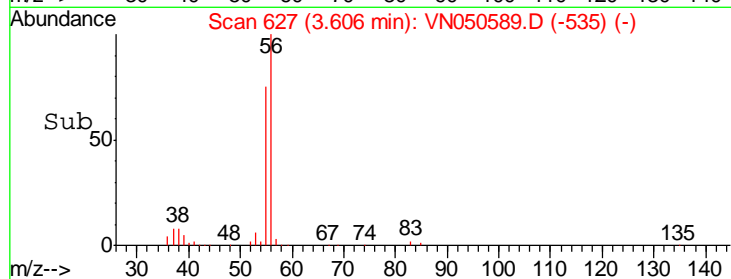
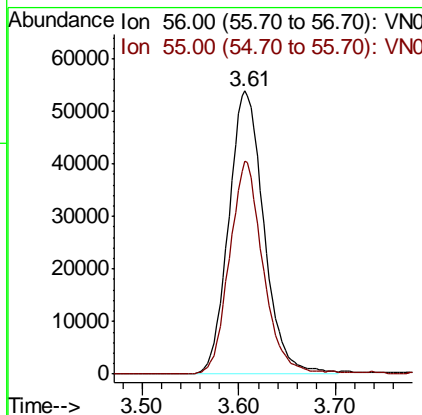
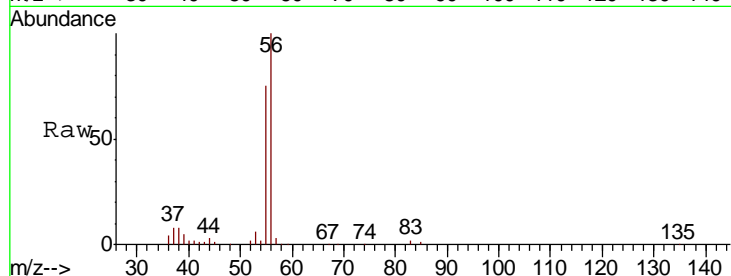
#13
 Acrolein
 Concen: 181.08 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
56	136332		
55	71.6	56.3	84.5

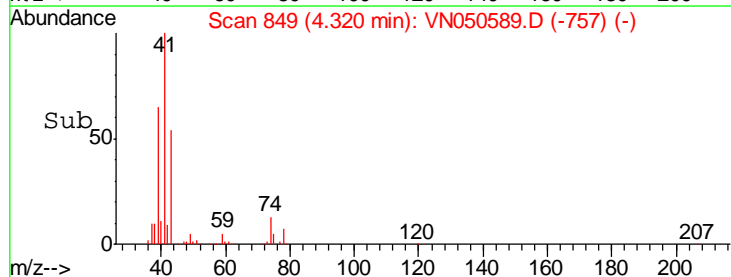
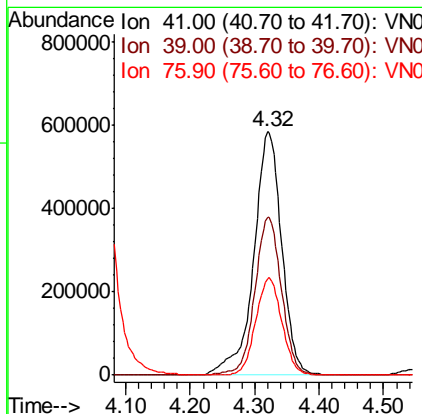
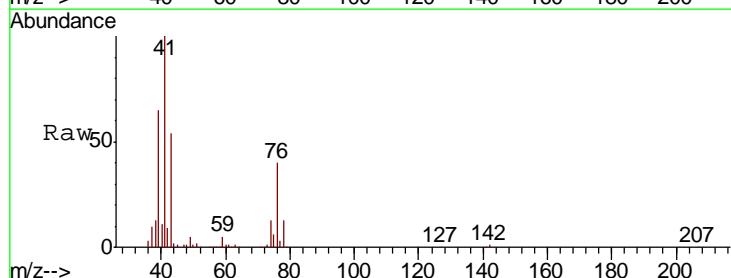
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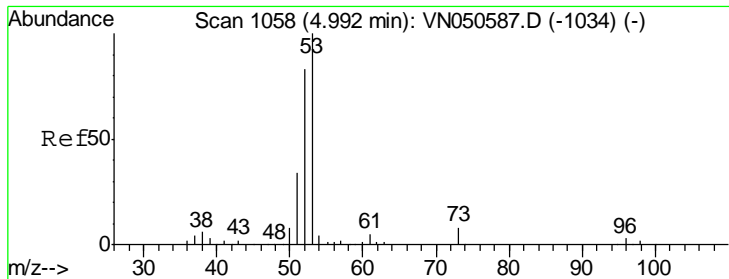
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#14
 Allyl chloride
 Concen: 144.90 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
41	1761176		
39	62.1	51.4	77.0
76	37.1	29.4	44.0





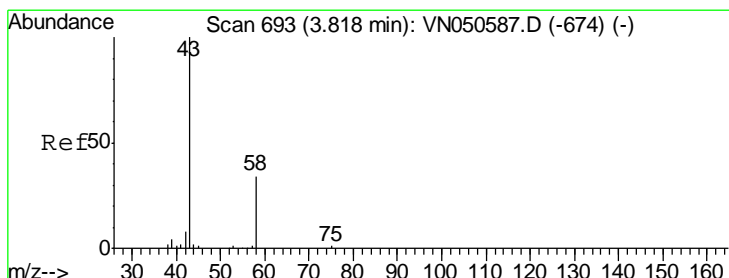
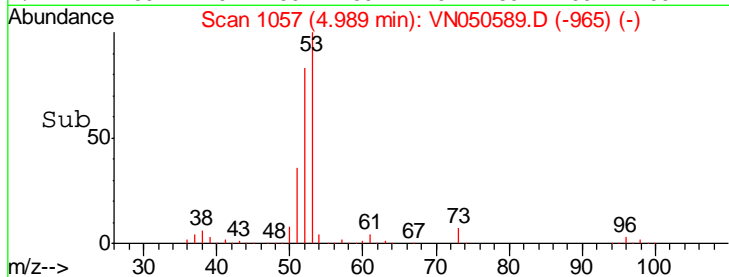
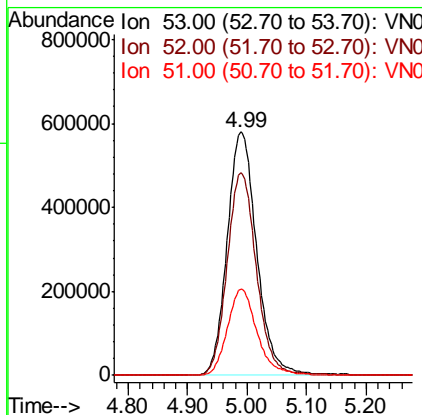
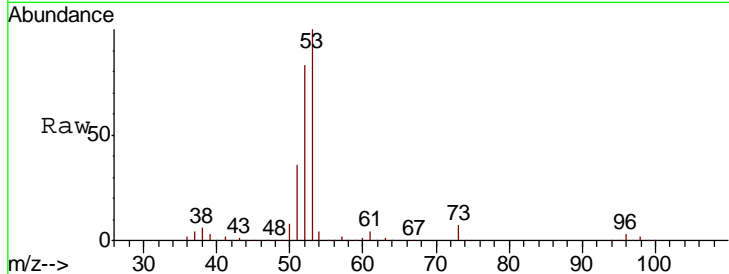
#15
 Acrylonitrile
 Concen: 647.68 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	35.7	28.6	43.0

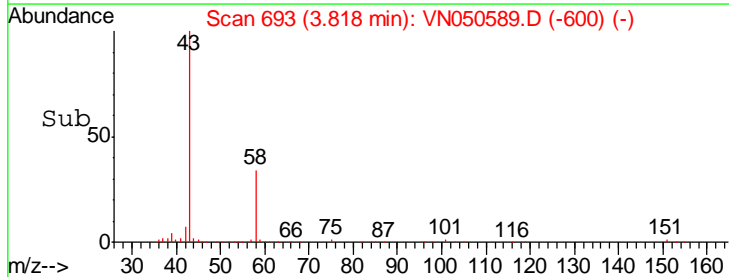
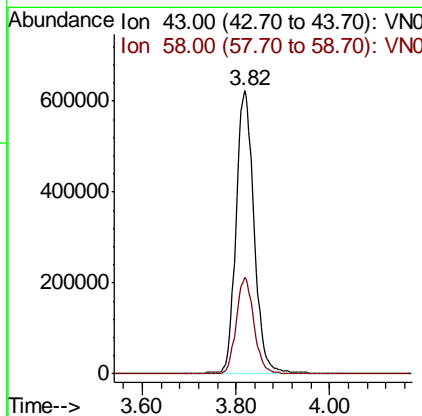
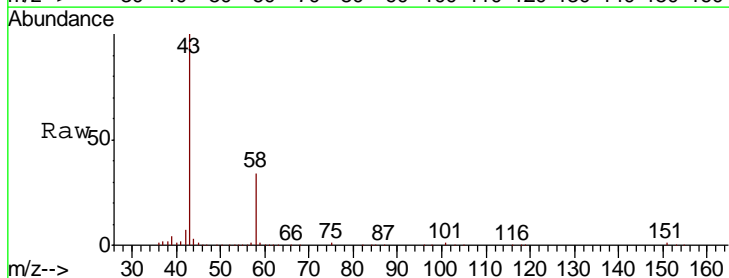
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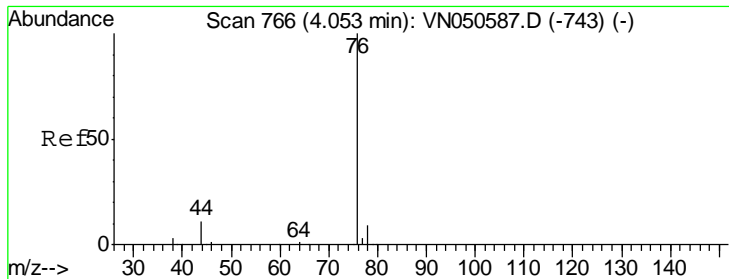
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#16
 Acetone
 Concen: 564.64 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.9	27.1	40.7





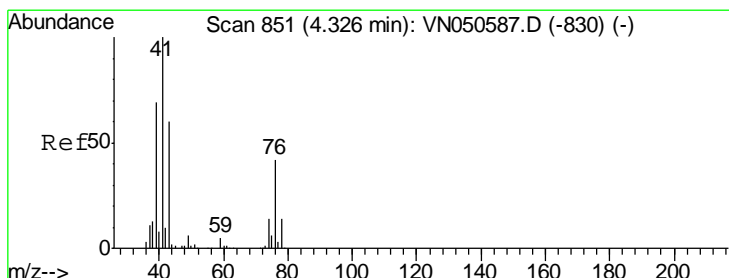
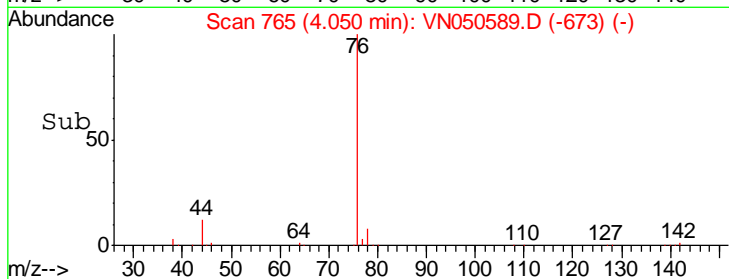
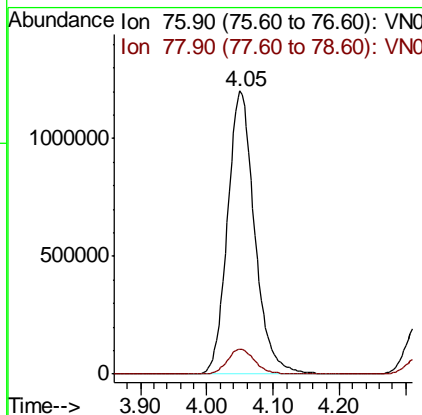
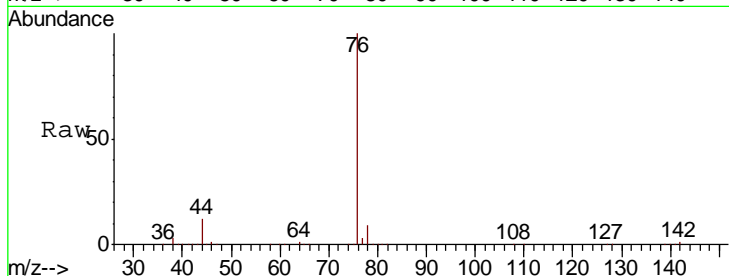
#17
 Carbon Disulfide
 Concen: 137.44 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
76	3410958		
76	100		
78	8.9	7.3	10.9

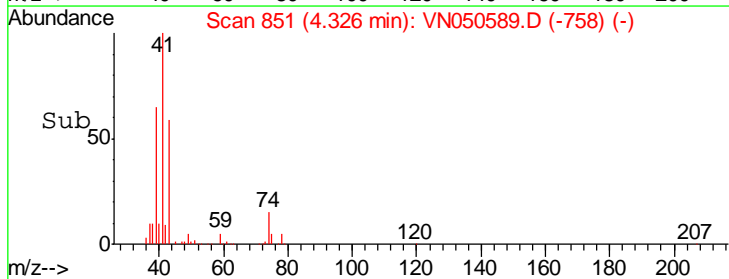
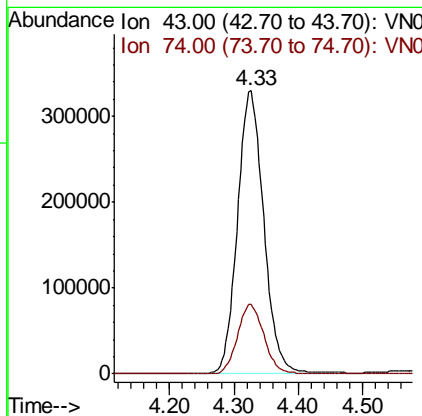
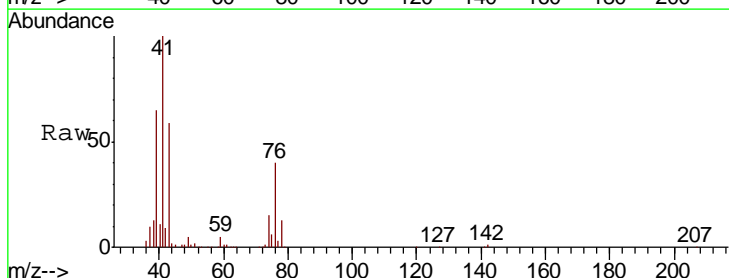
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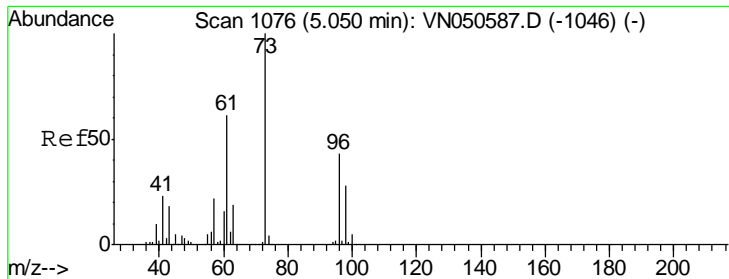
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#18
 Methyl Acetate
 Concen: 111.03 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
43	933705		
43	100		
74	24.9	19.7	29.5





#19
 Methyl tert-butyl Ether
 Concen: 140.07 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

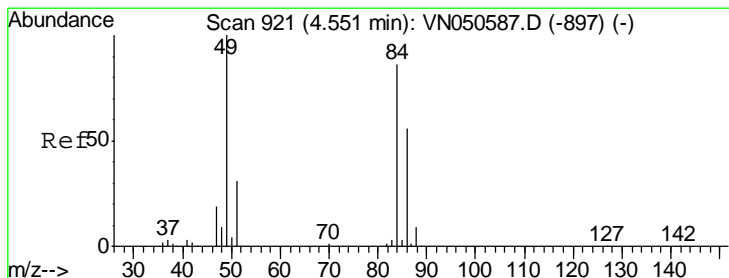
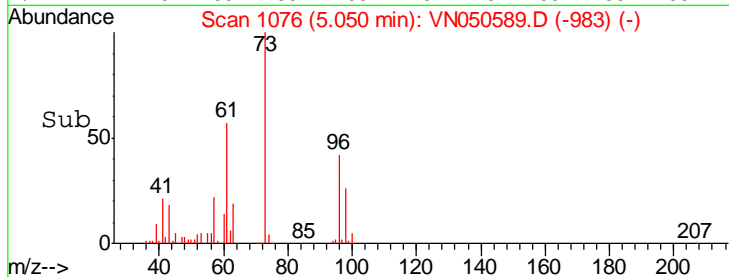
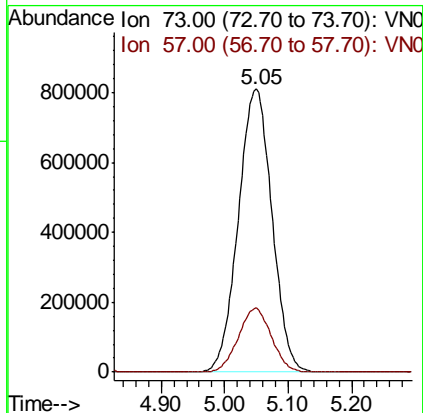
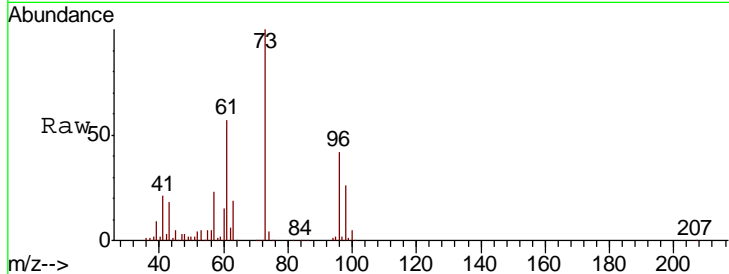
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 73 Resp: 2980595

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.9	26.9

Manual Integrations
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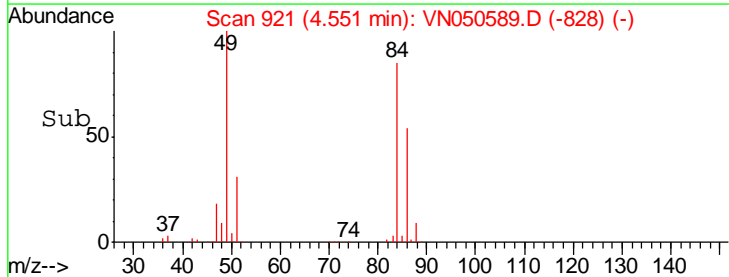
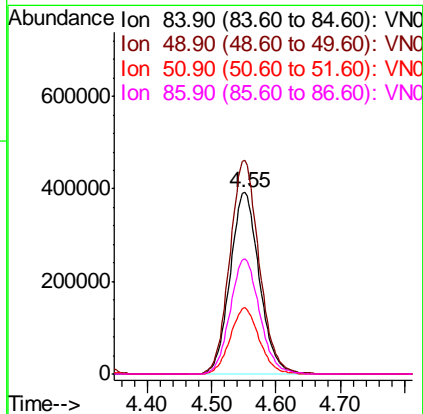
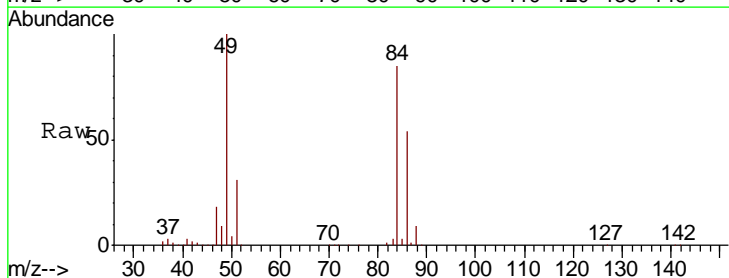
MMDadoda
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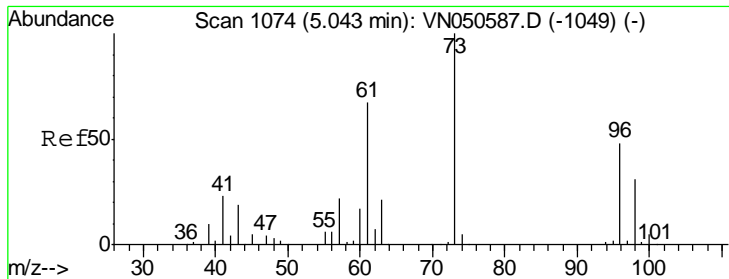


#20
 Methylene Chloride
 Concen: 118.19 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 84 Resp: 1241189

Ion	Ratio	Lower	Upper
84	100		
49	117.8	92.6	138.8
51	36.4	28.6	43.0
86	63.5	52.2	78.2





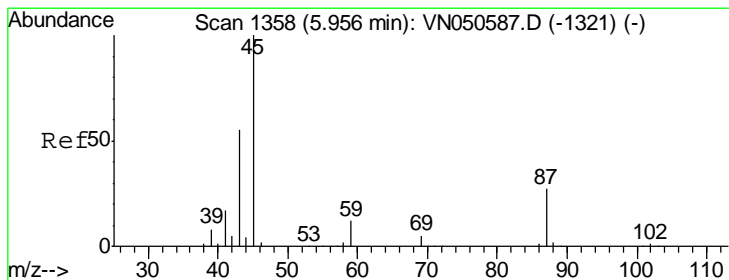
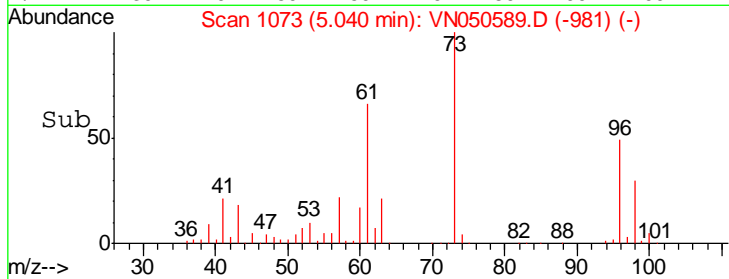
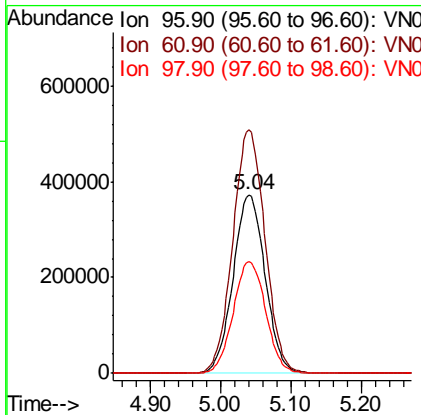
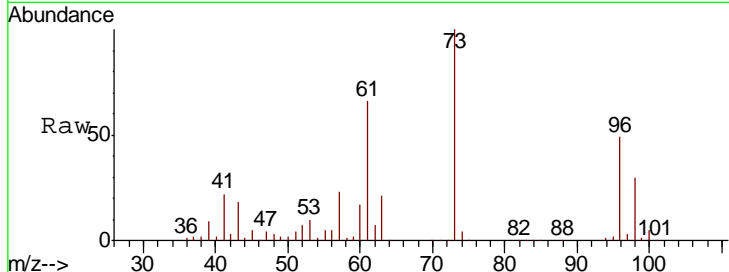
#21
 trans-1,2-Dichloroethene
 Concen: 143.34 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	1182866		
96	100		
61	136.3	111.2	166.8
98	62.5	51.6	77.4

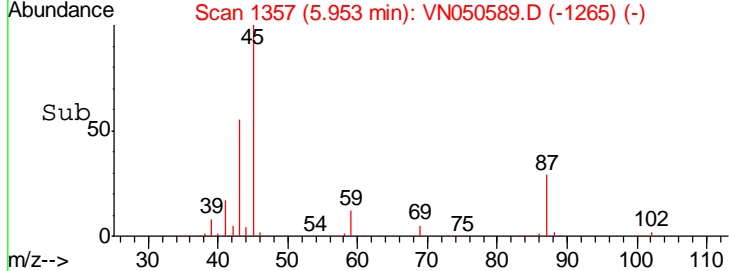
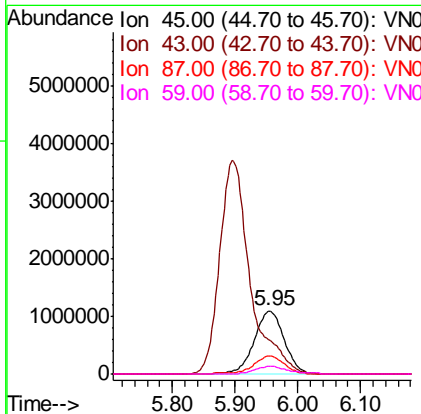
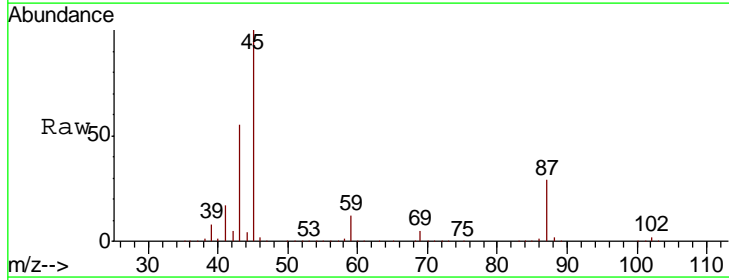
Manual Integrations
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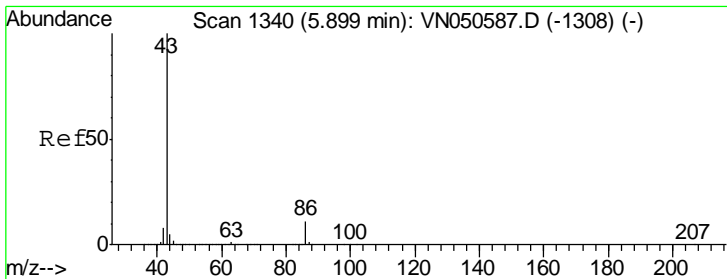
MMDadoda
 8/15/2018 3:21:47 PM



#22
 Diisopropyl ether
 Concen: 146.43 ug/l
 RT: 5.95 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
45	3651942		
45	100		
43	55.1	44.5	66.7
87	28.5	22.2	33.2
59	11.8	9.5	14.3





#23
 Vinyl Acetate
 Concen: 715.68 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

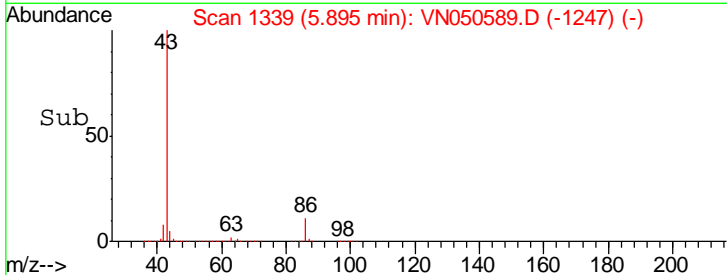
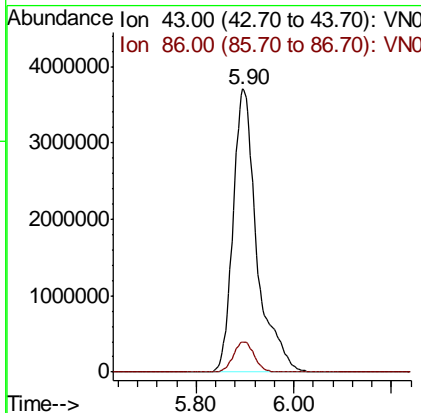
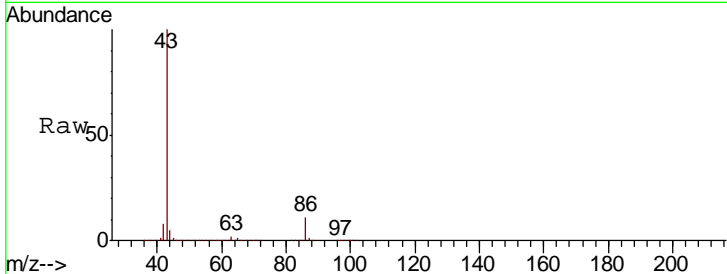
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 43 Resp:12535281

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.4	12.6

Manual Integrations
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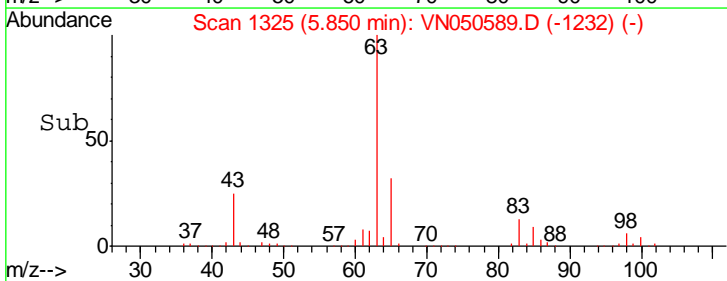
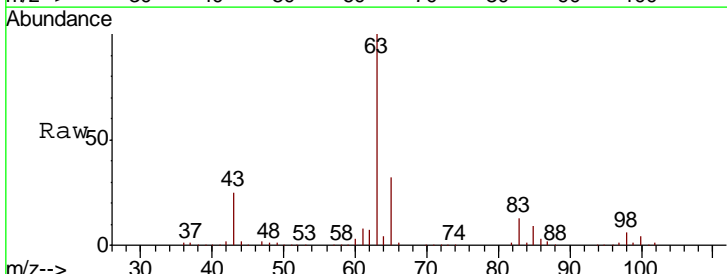
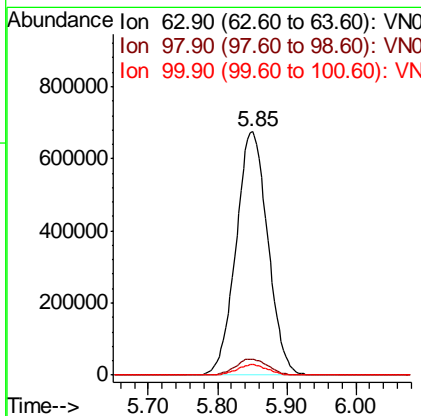
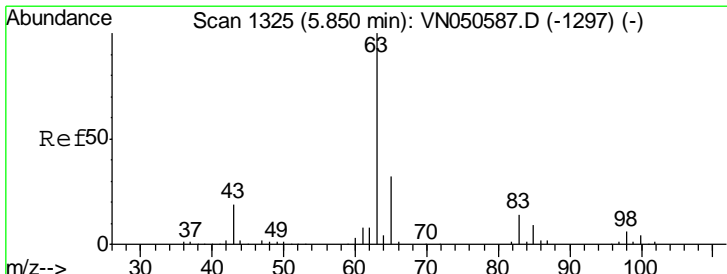
MMDadoda
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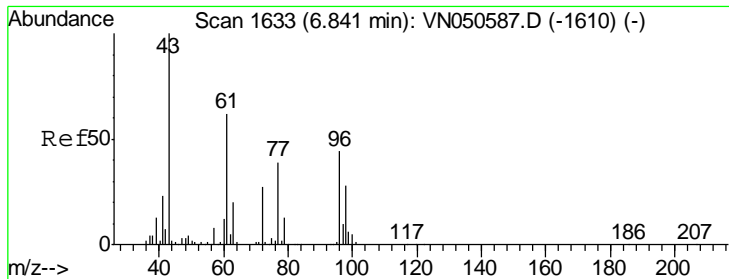


#24
 1,1-Dichloroethane
 Concen: 140.15 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 63 Resp: 2151637

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.2	9.6
100	4.4	2.1	6.5





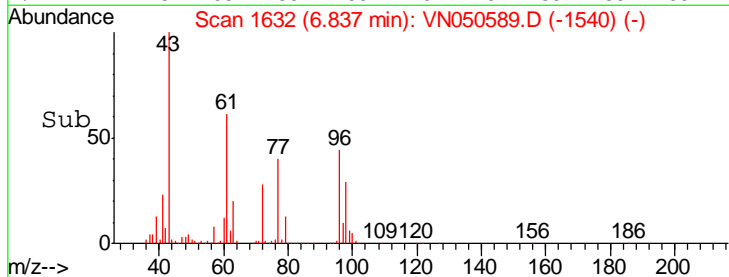
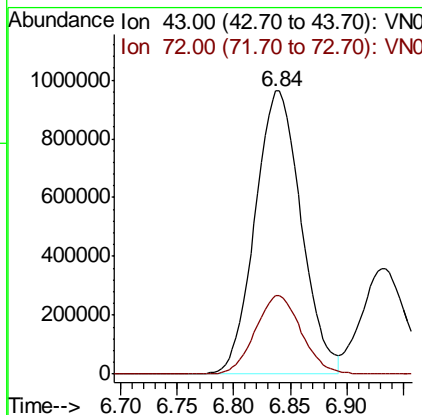
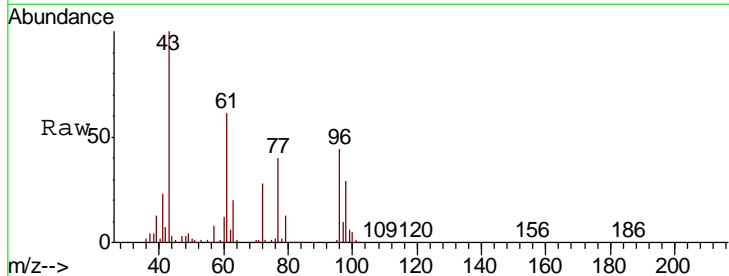
#25
 2-Butanone
 Concen: 606.99 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC150

Tgt Ion: 43 Resp: 2725228
 Ion Ratio Lower Upper
 43 100
 72 27.6 21.8 32.6

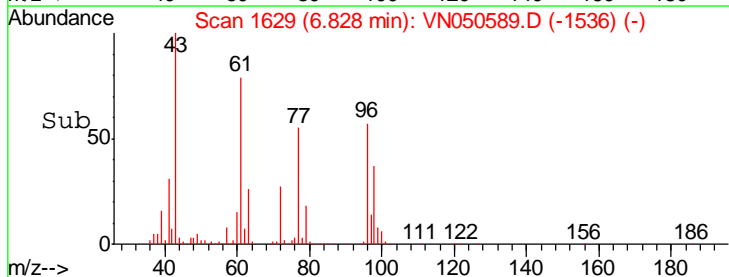
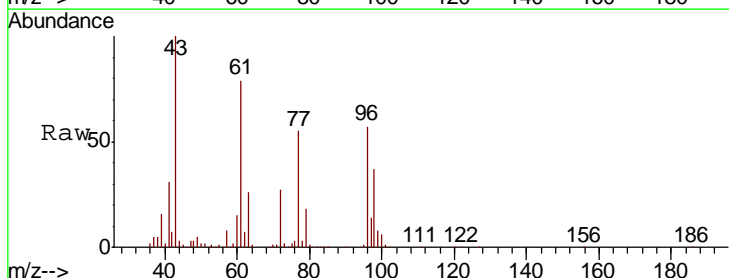
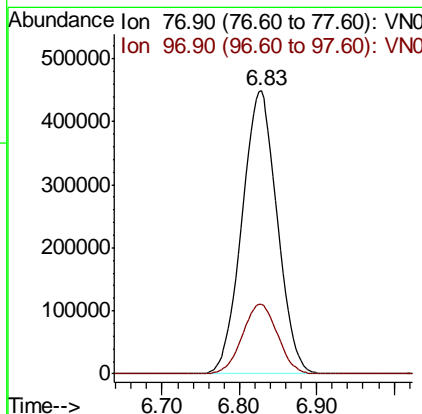
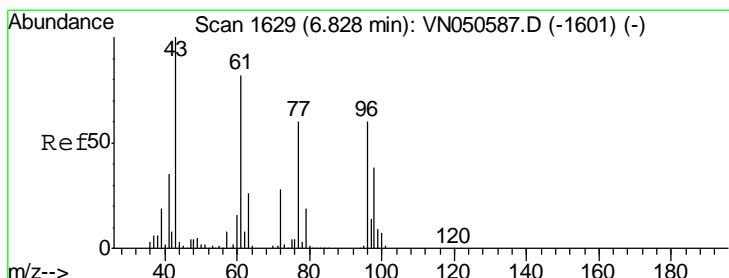
Manual Integrations
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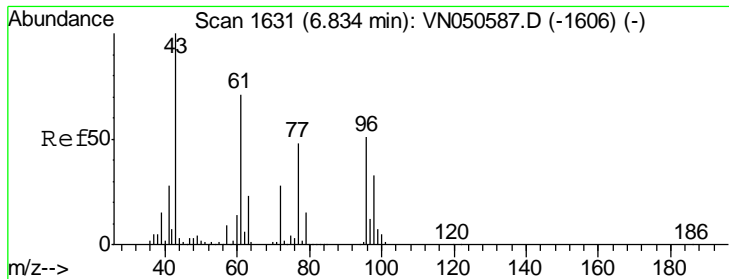
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#26
 2,2-Dichloropropane
 Concen: 115.71 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 77 Resp: 1420035
 Ion Ratio Lower Upper
 77 100
 97 24.7 12.2 36.4





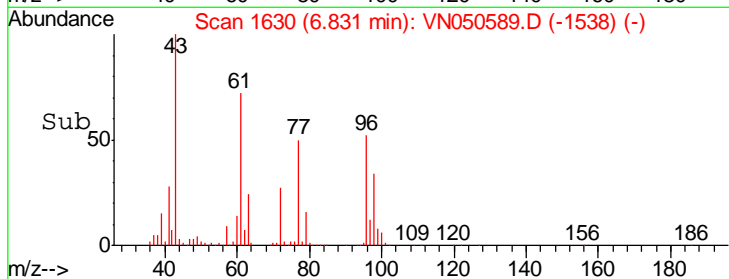
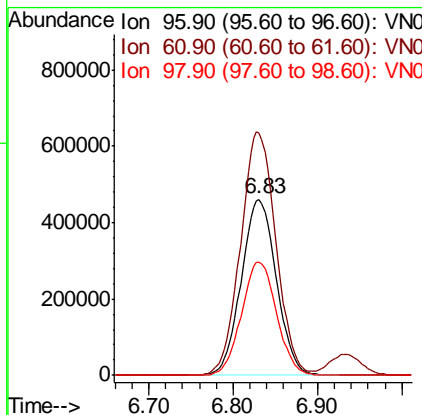
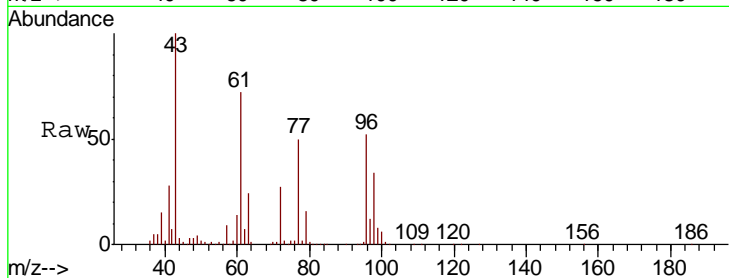
#27
 cis-1,2-Dichloroethene
 Concen: 145.82 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	1331592		
96	100		
61	139.1	0.0	278.2
98	64.5	0.0	128.8

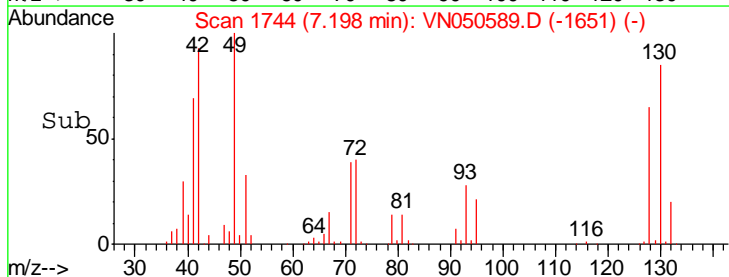
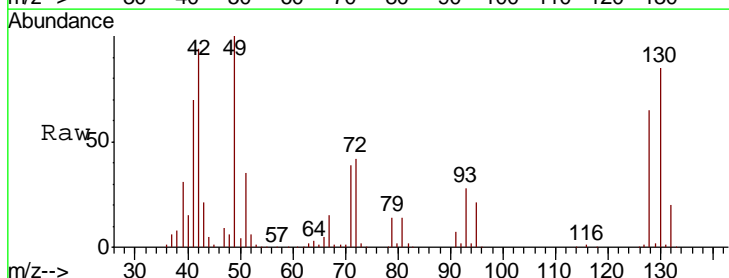
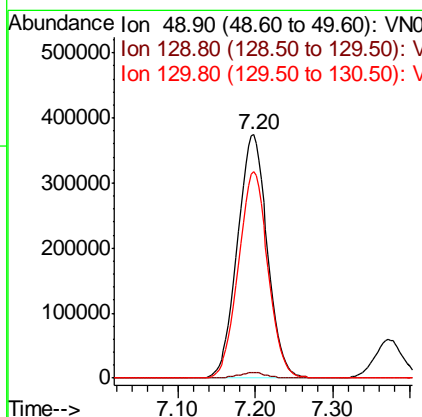
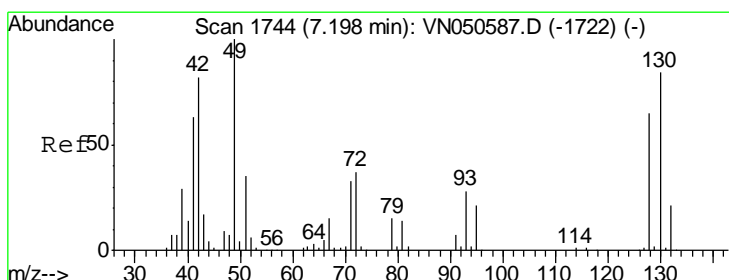
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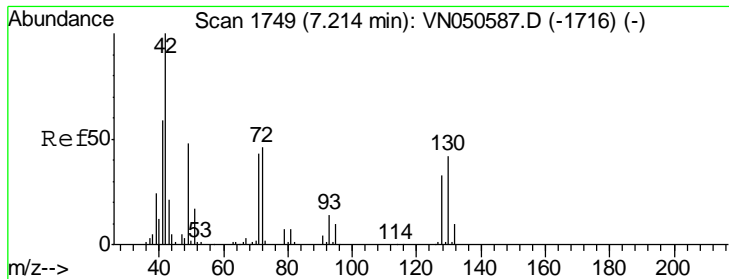
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#28
 Bromochloromethane
 Concen: 141.76 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
49	1003208		
49	100		
129	2.2	0.0	4.2
130	83.9	66.8	100.2





#29
 Tetrahydrofuran
 Concen: 599.08 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

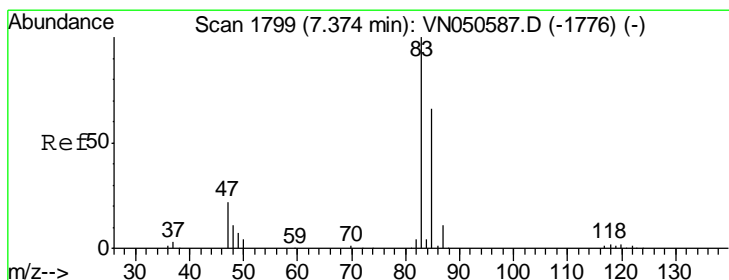
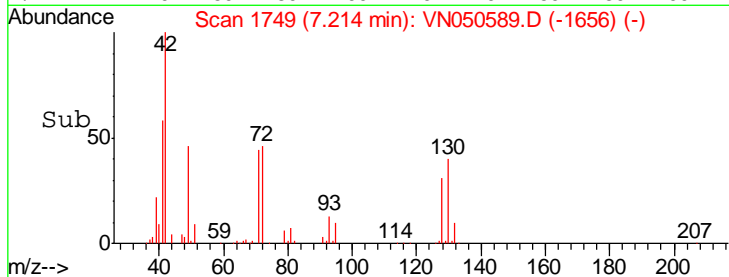
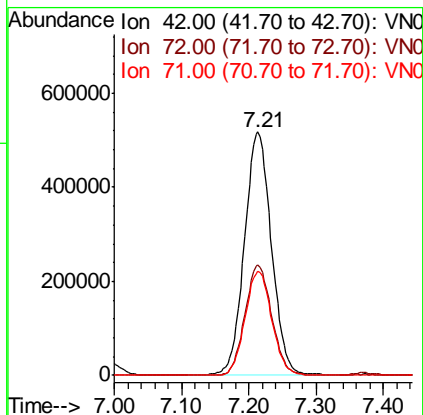
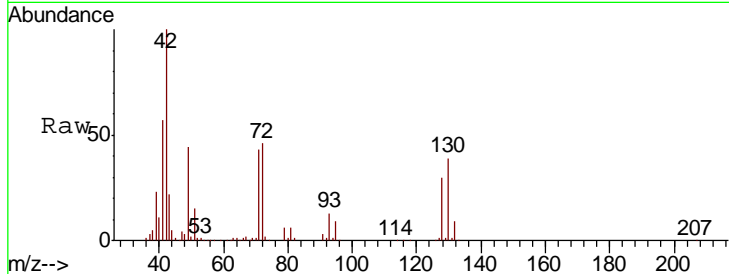
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 42 Resp: 1442875

Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.8	53.6
71	42.3	33.4	50.0

Manual Integrations
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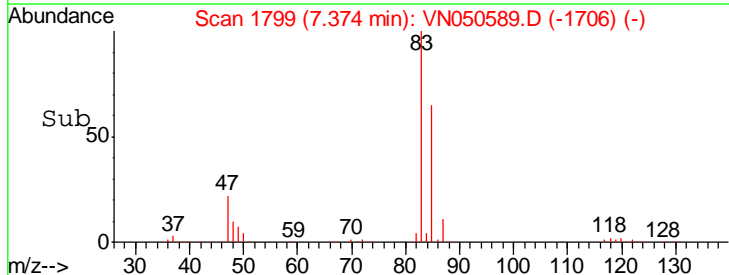
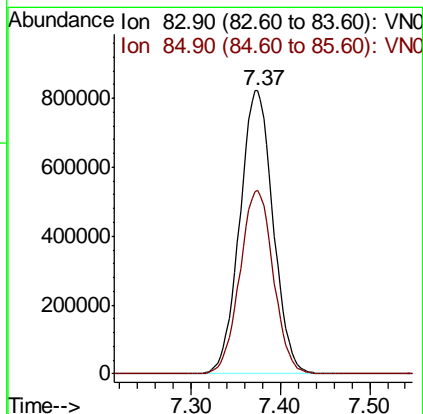
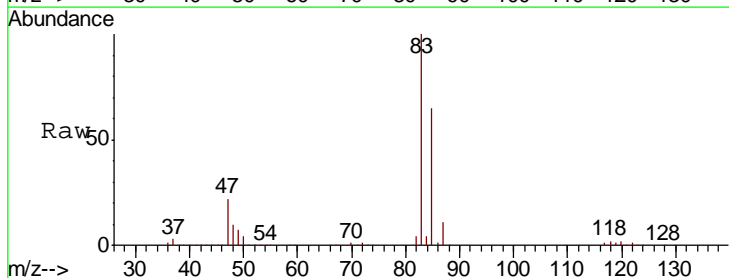
MMDadoda
 8/15/2018 3:21:47 PM

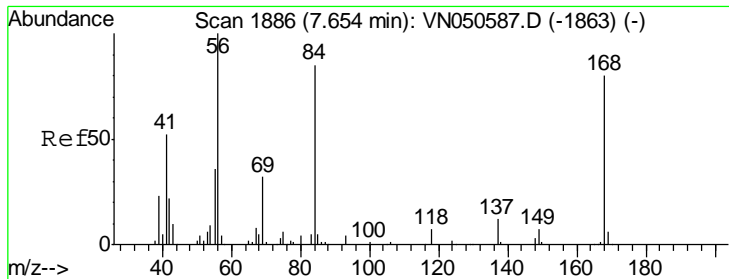


#30
 Chloroform
 Concen: 139.19 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 83 Resp: 2135561

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.5	78.7





#31
 Cyclohexane
 Concen: 130.68 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

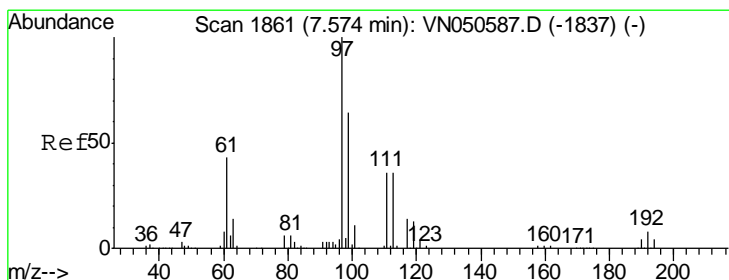
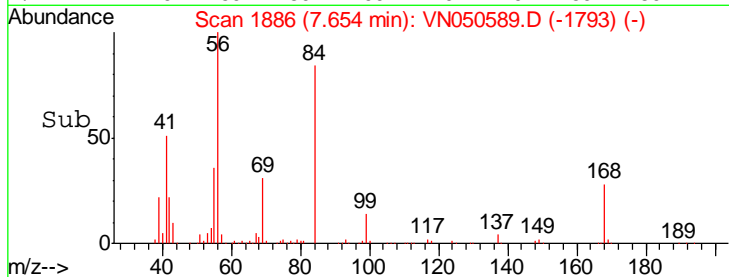
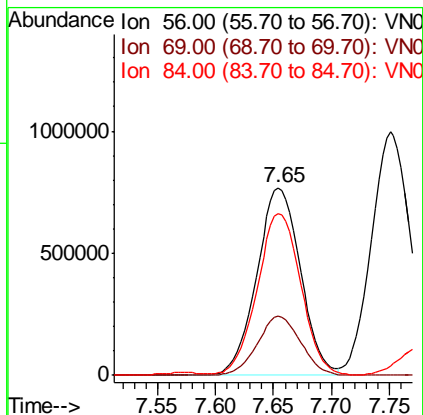
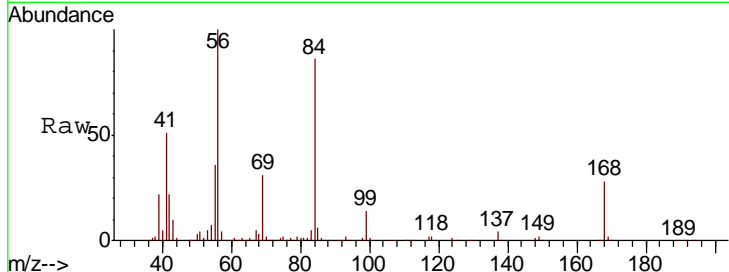
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 56 Resp: 2008897

Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.8	38.6
84	85.1	67.8	101.6

Manual Integrations
 APPROVED

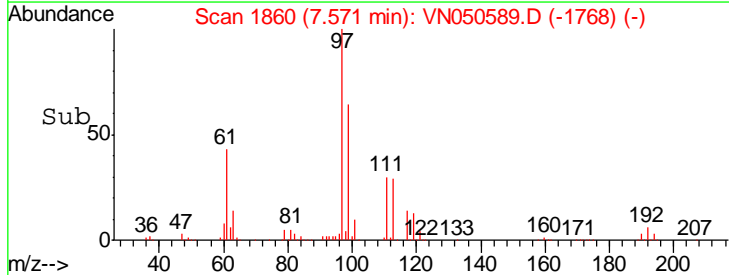
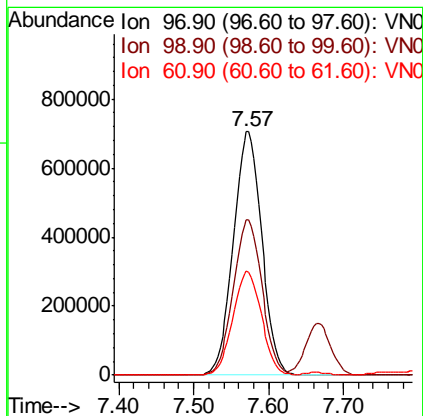
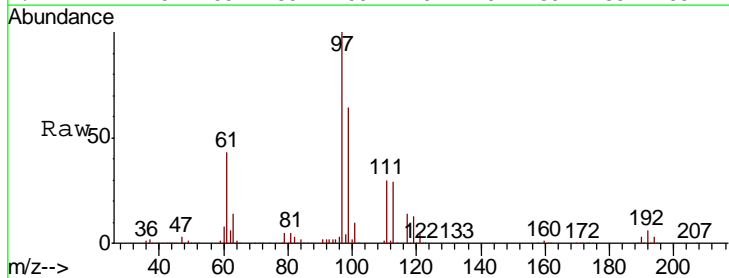
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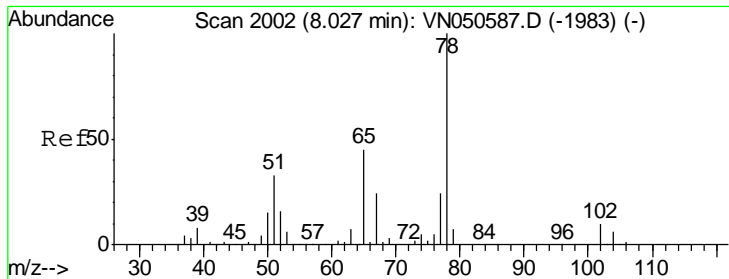


#32
 1,1,1-Trichloroethane
 Concen: 141.67 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 97 Resp: 1866689

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	42.9	34.8	52.2





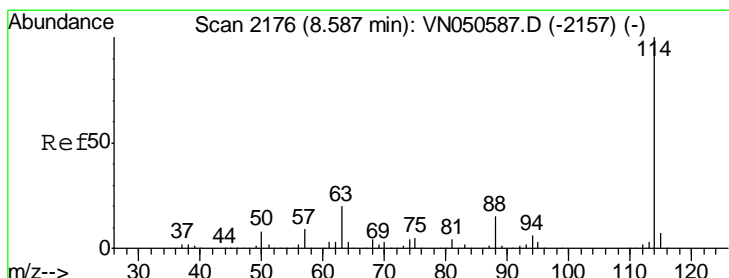
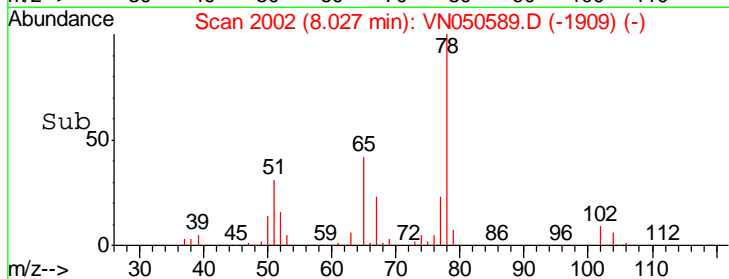
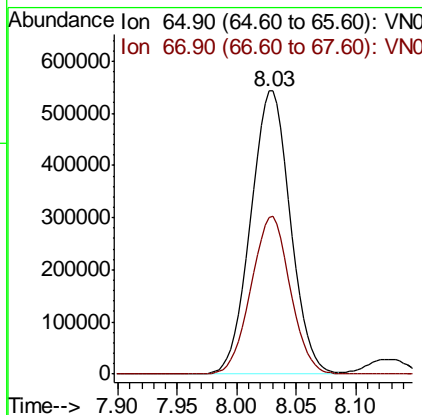
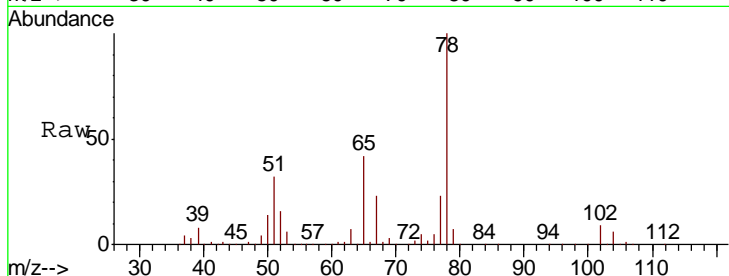
#33
 1,2-Dichloroethane-d4
 Concen: 133.88 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
65	100		
67	55.1	0.0	109.8

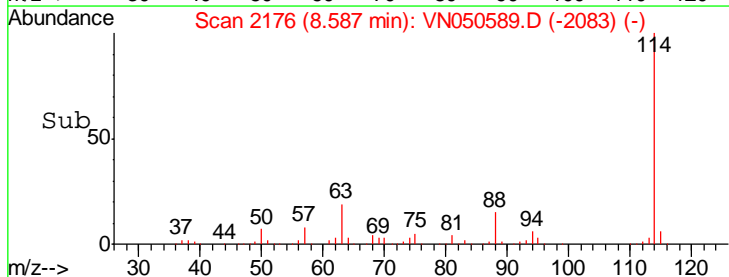
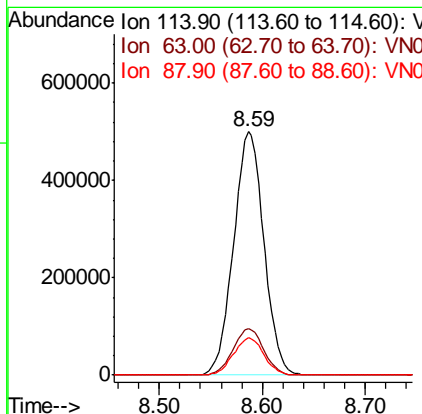
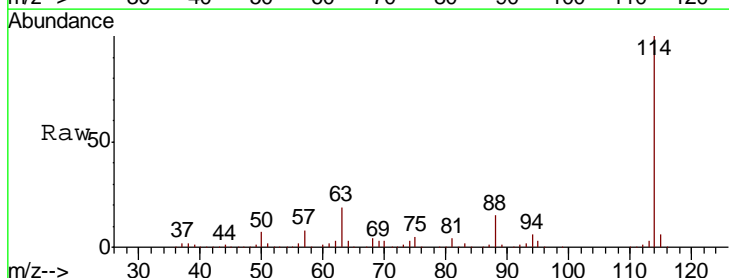
Manual Integrations
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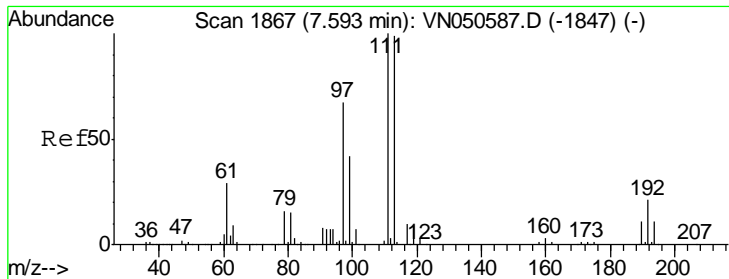
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.2	0.0	40.0
88	15.2	0.0	30.8





#35
 Dibromofluoromethane
 Concen: 143.77 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

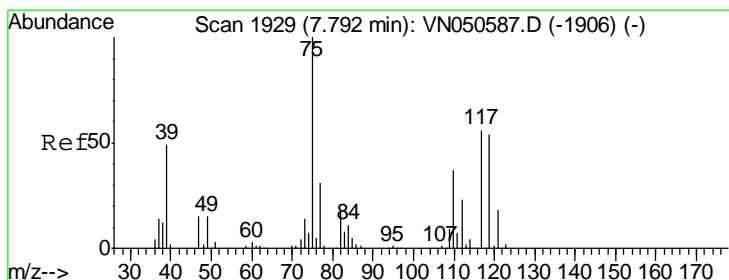
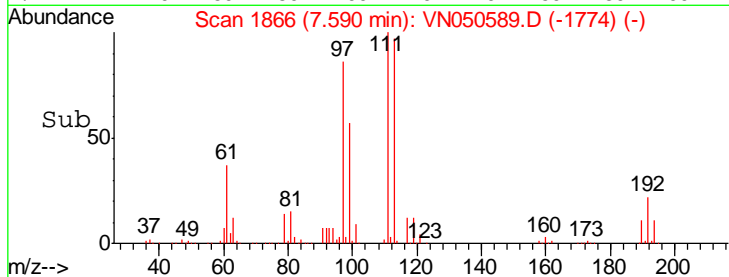
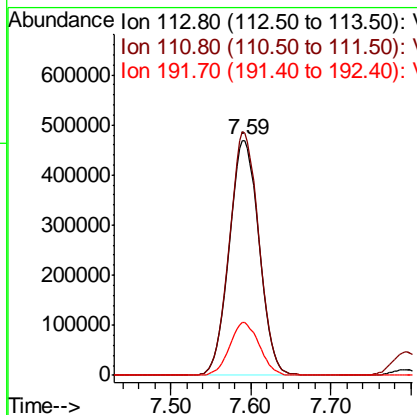
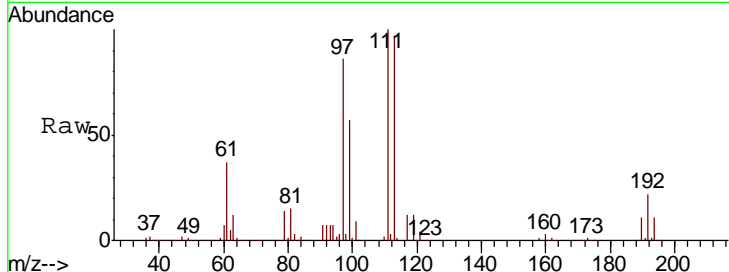
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 113 Resp: 1183100

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.0	121.6
192	22.4	17.6	26.4

Manual Integrations
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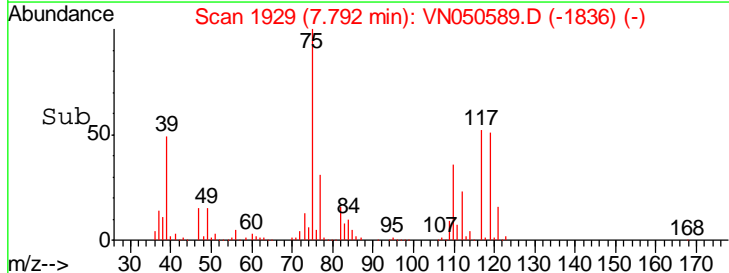
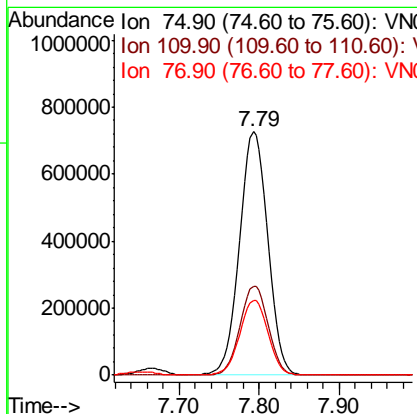
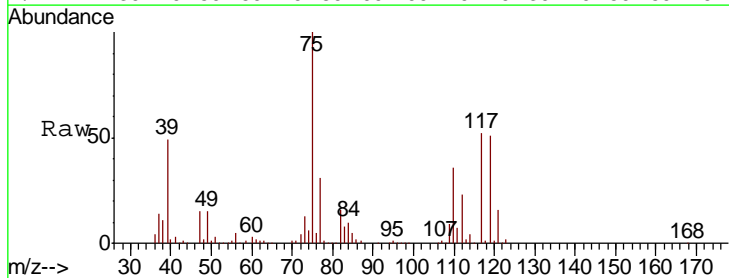
MMDadoda
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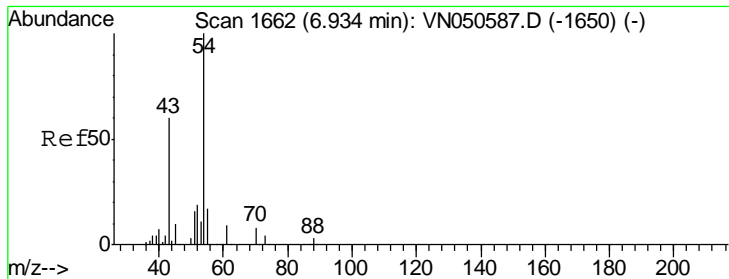


#36
 1,1-Dichloropropene
 Concen: 153.73 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 75 Resp: 1727490

Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.3	54.9
77	31.1	25.0	37.4





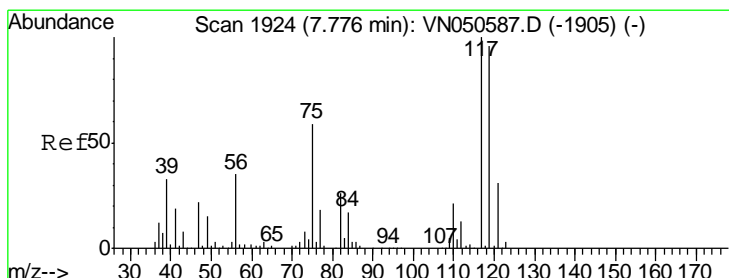
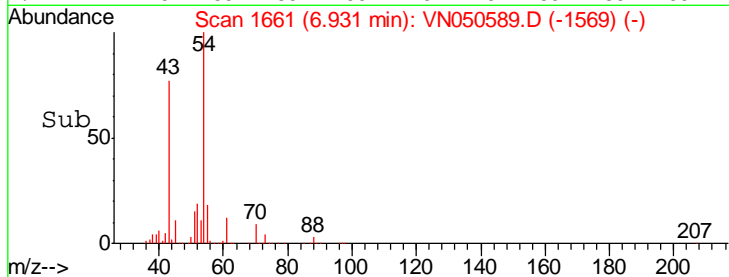
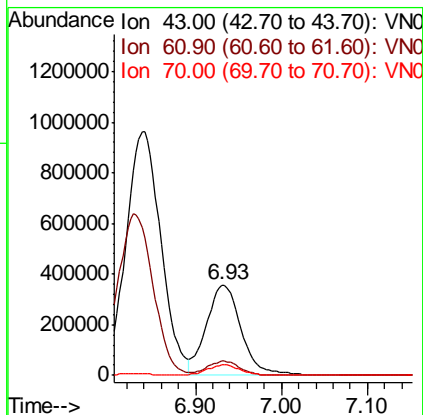
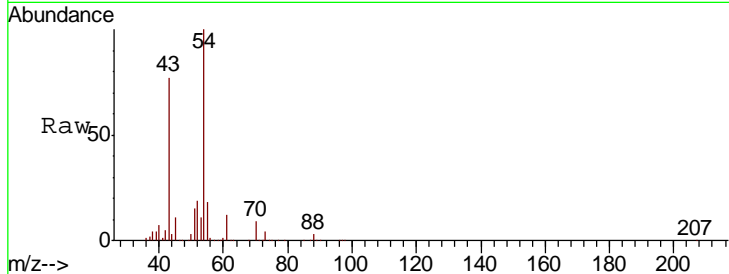
#37
 Ethyl Acetate
 Concen: 128.34 ug/l
 RT: 6.93 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	10.8	8.5	12.7

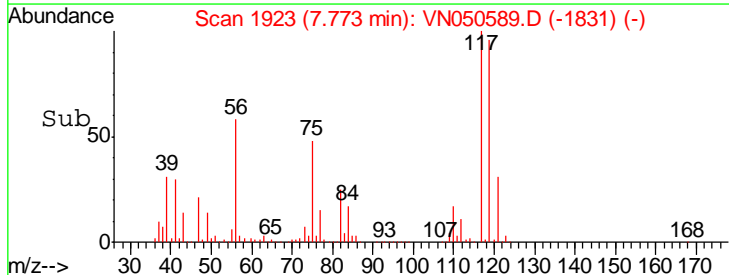
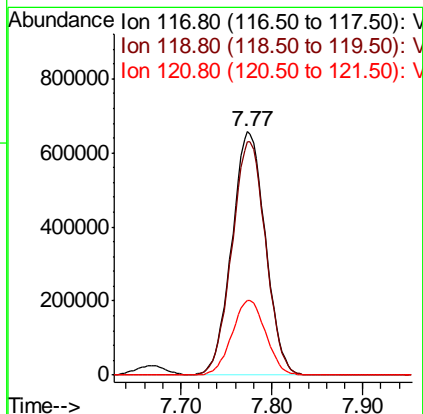
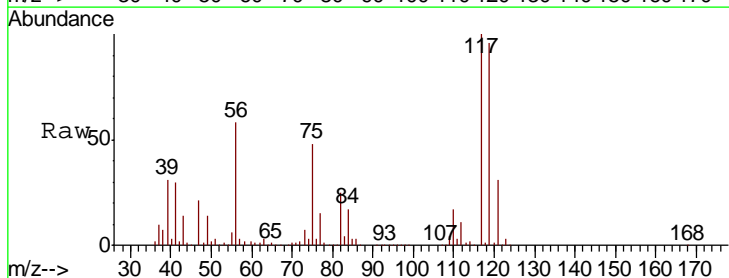
Manual Integrations
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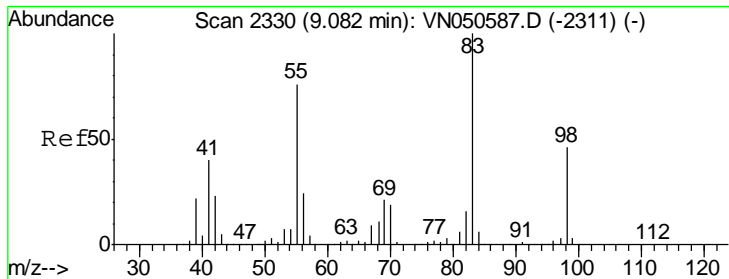
MMDadoda
 8/15/2018 3:21:47 PM



#38
 Carbon Tetrachloride
 Concen: 143.45 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.7	76.6	115.0
121	30.9	25.0	37.6





#39
 Methylcyclohexane
 Concen: 158.98 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

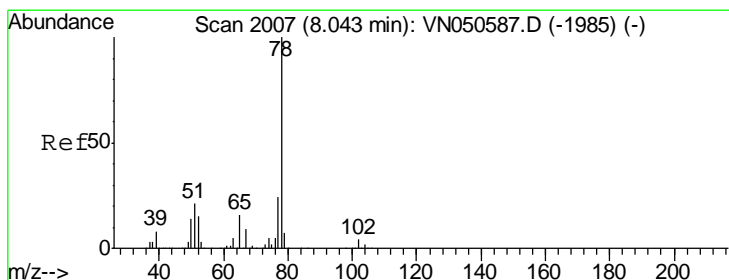
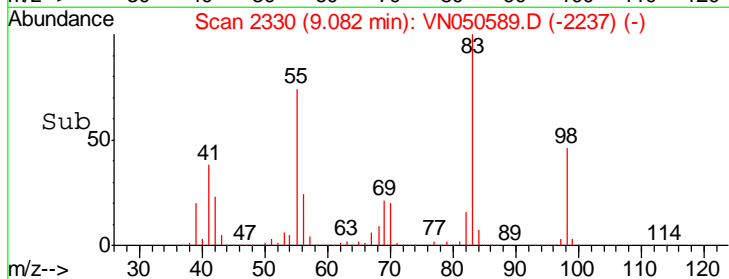
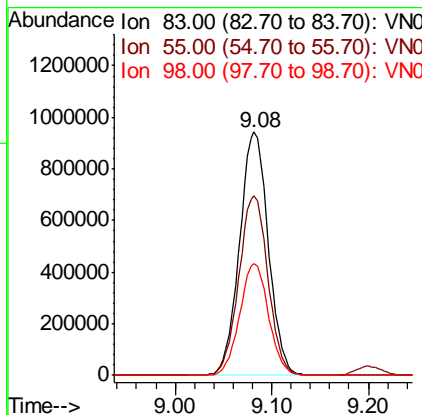
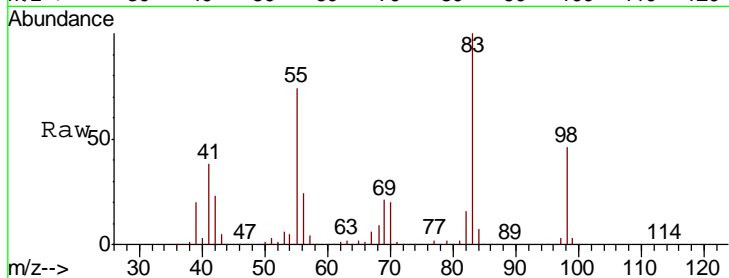
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 83 Resp: 1949005

Ion	Ratio	Lower	Upper
83	100		
55	73.5	60.6	91.0
98	46.0	37.0	55.4

Manual Integrations
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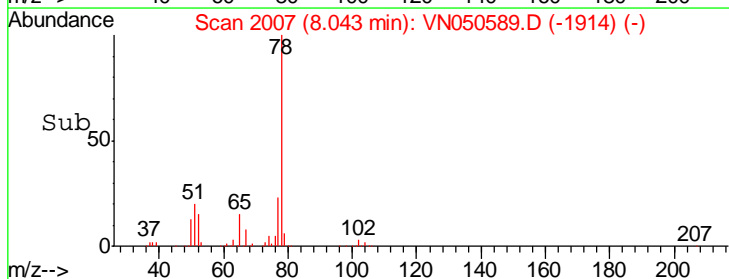
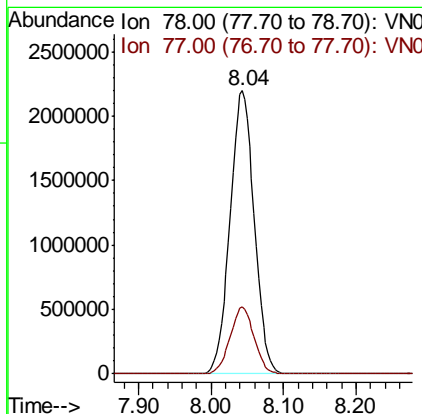
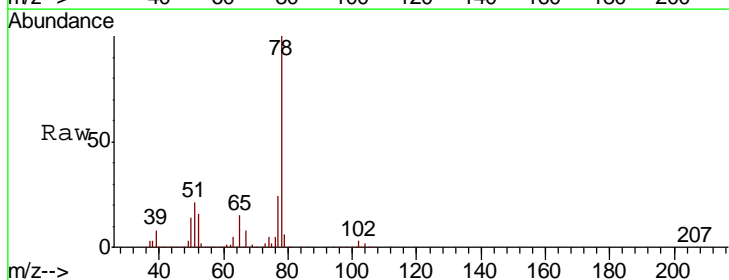
MMDadoda
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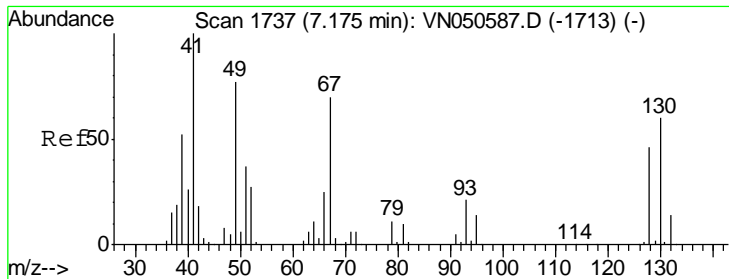


#40
 Benzene
 Concen: 147.18 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 78 Resp: 5091897

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





#41
 Methacrylonitrile
 Concen: 137.35 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

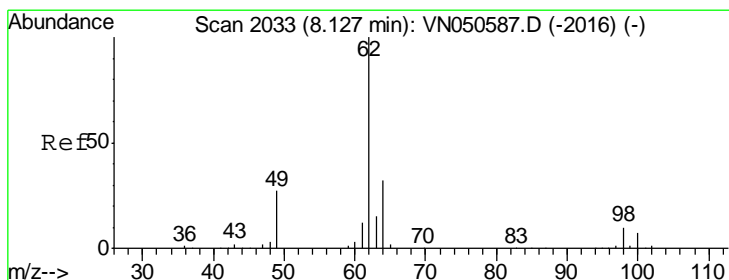
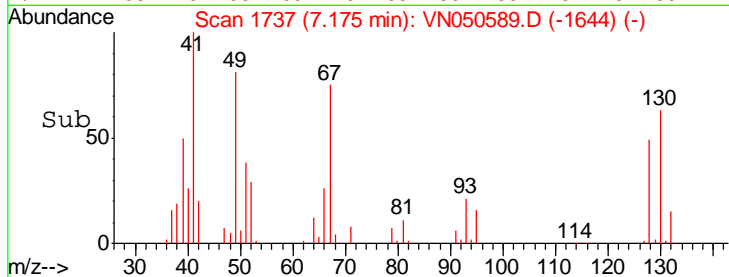
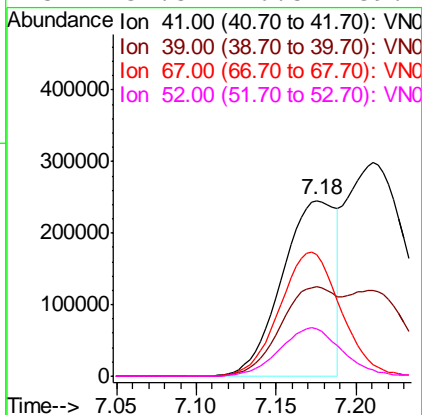
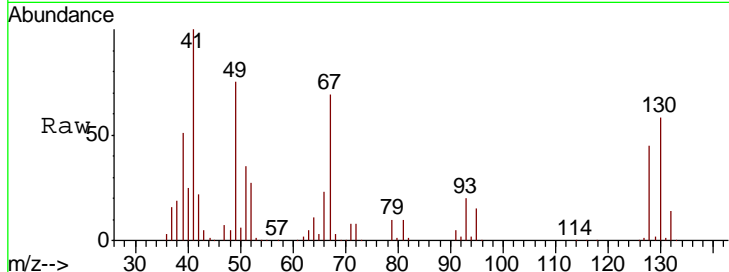
Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion: 41 Resp: 576767

Ion	Ratio	Lower	Upper
41	100		
39	54.9	44.6	66.8
67	80.4	66.7	100.1
52	31.5	26.5	39.7

Manual Integrations
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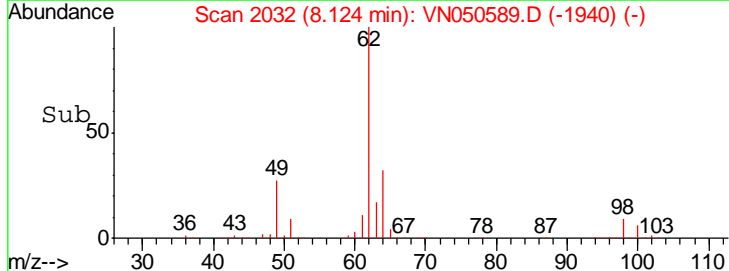
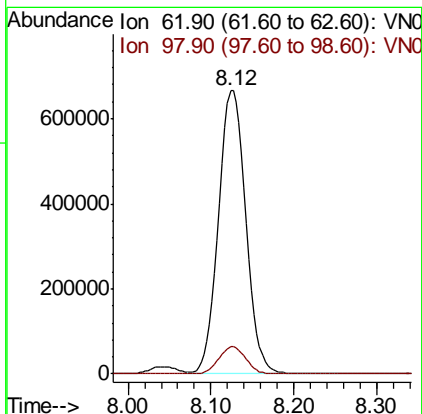
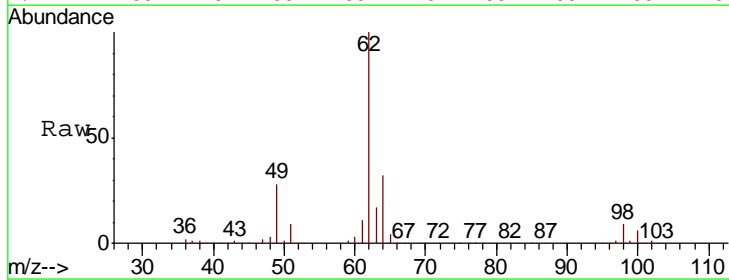
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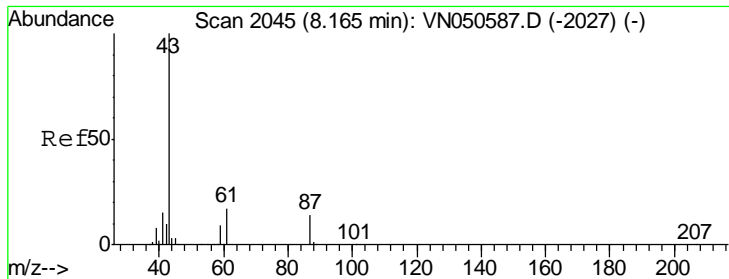


#42
 1,2-Dichloroethane
 Concen: 140.04 ug/l
 RT: 8.12 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 62 Resp: 1523766

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4





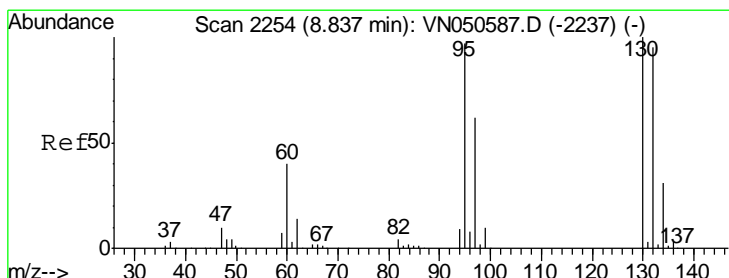
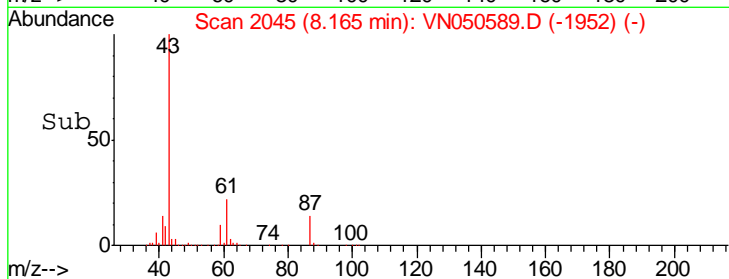
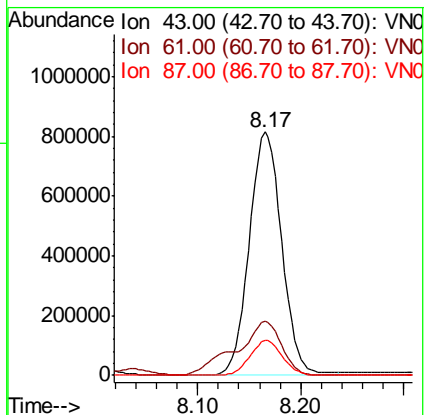
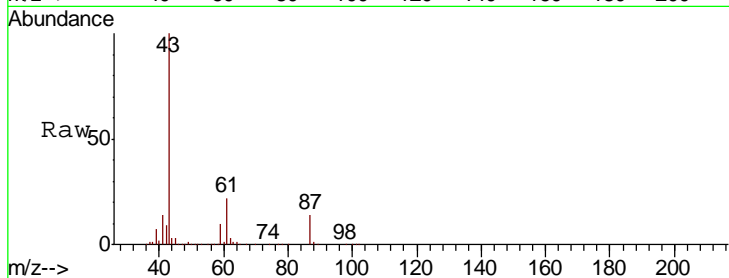
#43
 Isopropyl Acetate
 Concen: 131.06 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
61	30.8	16.2	24.2#
87	14.2	10.9	16.3

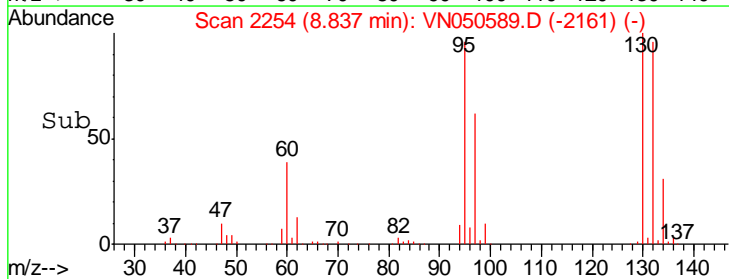
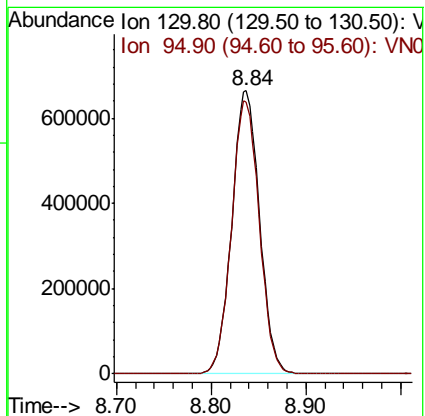
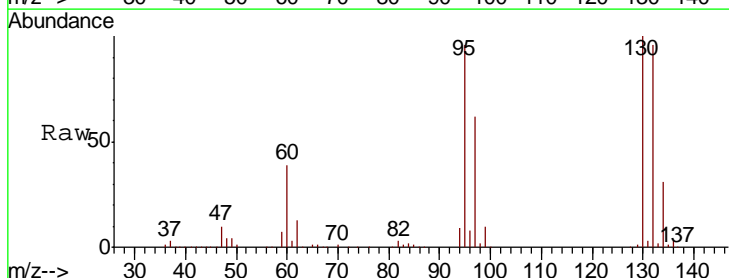
Manual Integrations
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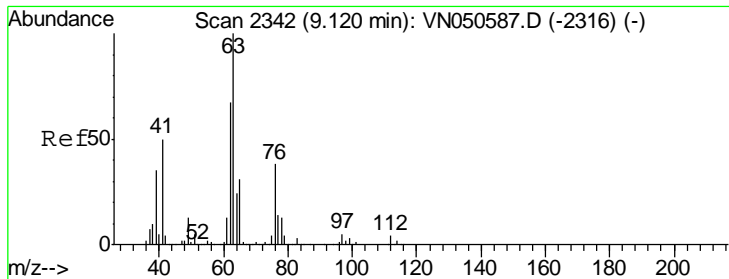
MMDadoda
 8/15/2018 3:21:47 PM



#44
 Trichloroethene
 Concen: 145.08 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.1	0.0	193.8





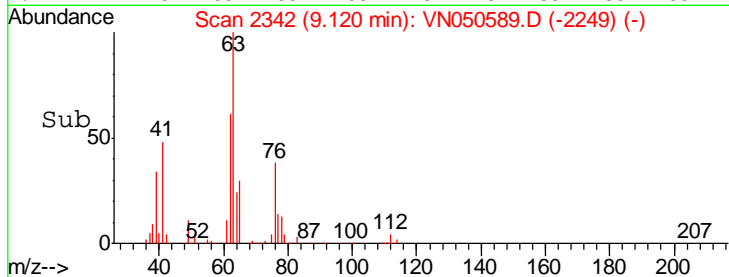
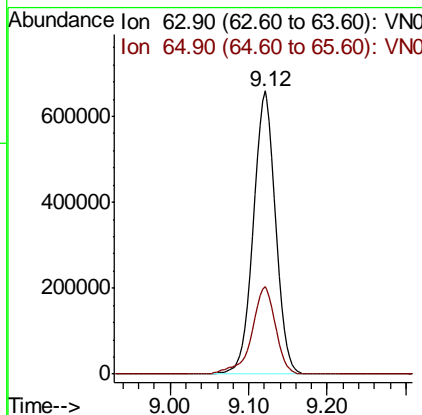
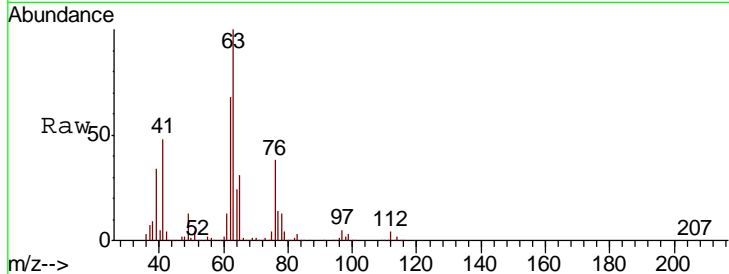
#45
 1,2-Dichloropropane
 Concen: 147.03 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.0	24.5	36.7

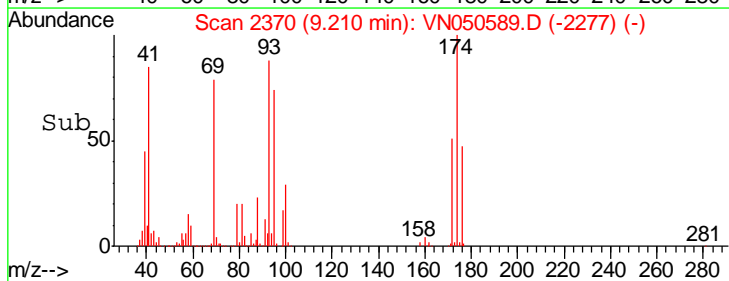
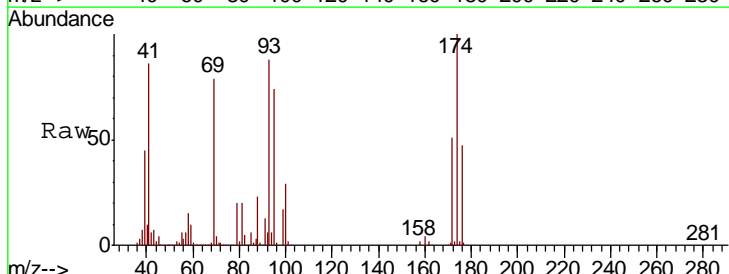
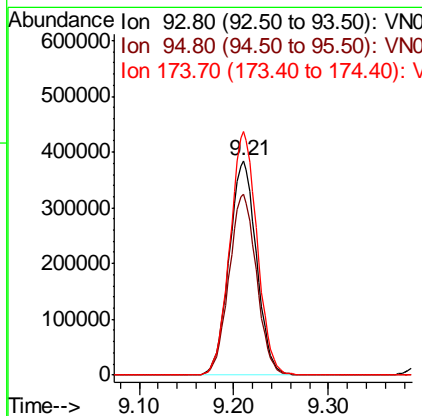
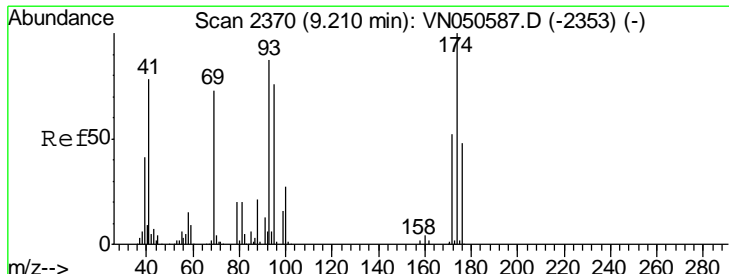
Manual Integrations
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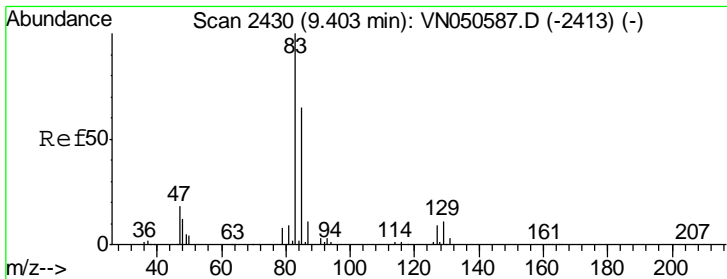
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#46
 Dibromomethane
 Concen: 138.95 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.6	69.1	103.7
174	112.8	91.0	136.6





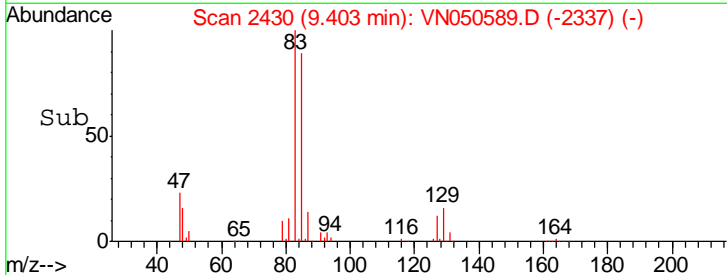
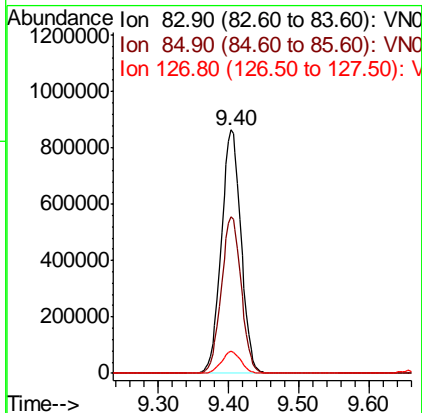
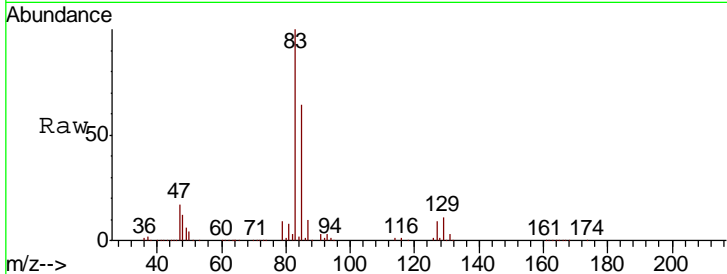
#47
 Bromodichloromethane
 Concen: 145.30 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	1687827		
85	64.4	51.8	77.6
127	9.0	7.2	10.8

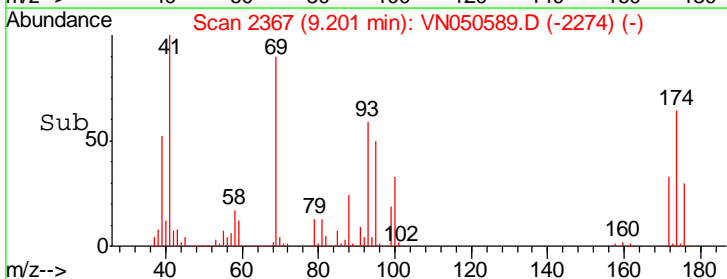
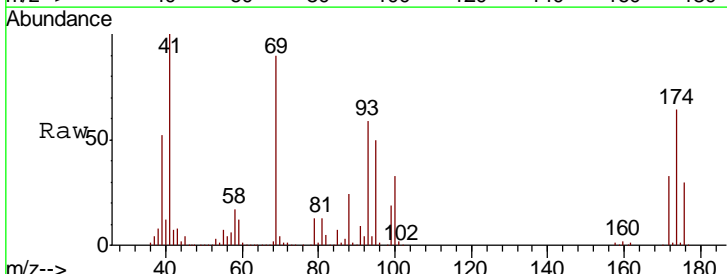
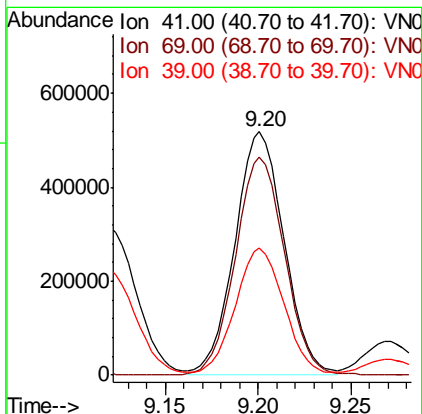
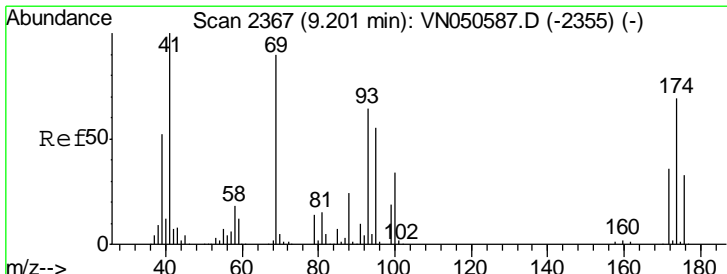
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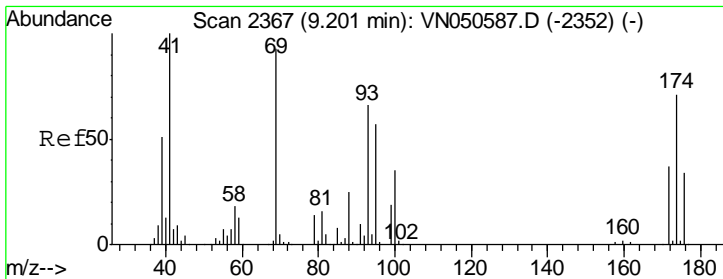
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#48
 Methyl methacrylate
 Concen: 140.93 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
41	954905		
69	89.9	73.4	110.0
39	51.8	43.0	64.6





#49
 1,4-Dioxane
 Concen: 2411.93 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

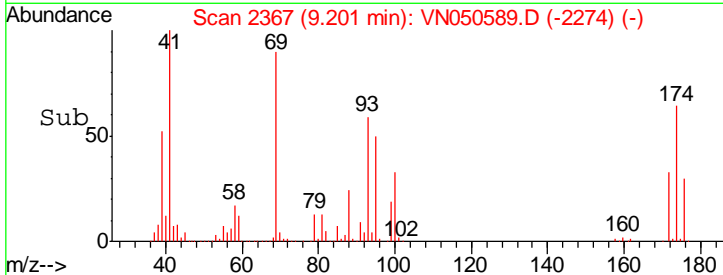
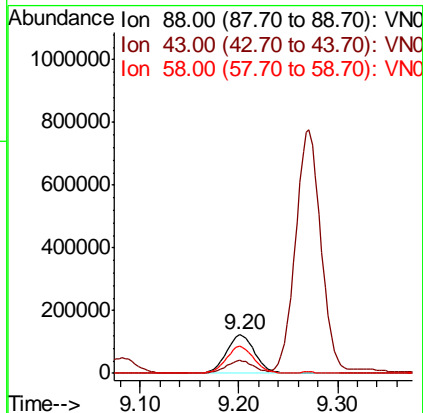
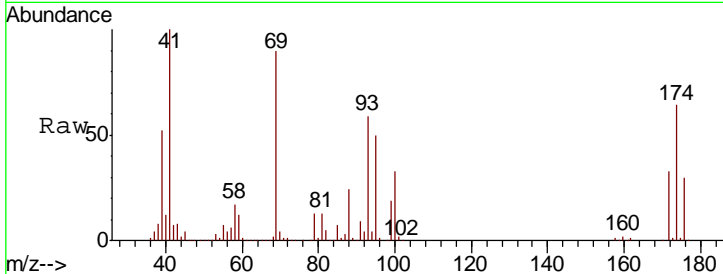
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 88 Resp: 248428

Ion	Ratio	Lower	Upper
88	100		
43	31.6	25.9	38.9
58	68.4	56.5	84.7

Manual Integrations
 APPROVED

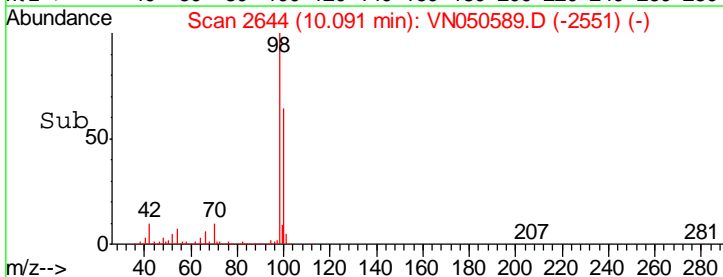
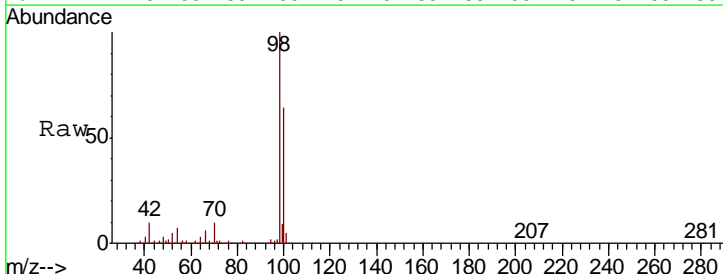
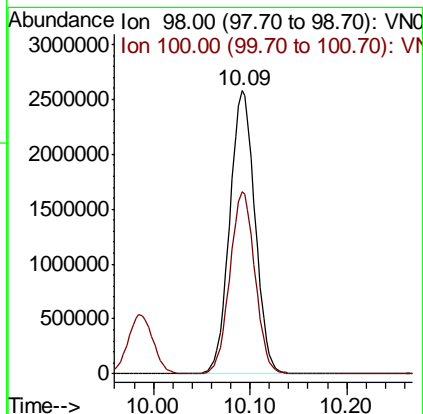
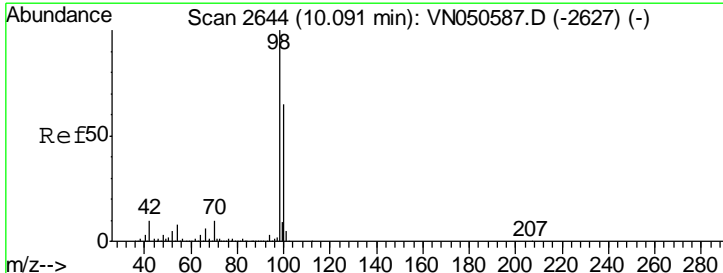
MMDadoda
 8/15/2018 3:21:47 PM

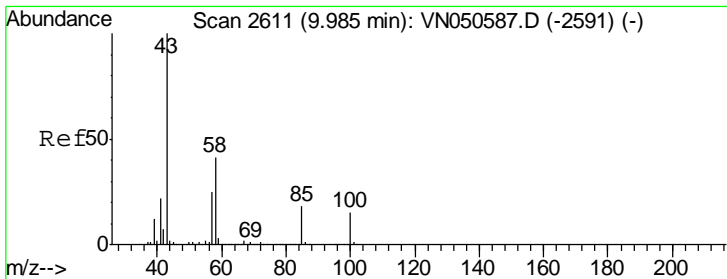


#50
 Toluene-d8
 Concen: 150.85 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 98 Resp: 4666396

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.8	77.8





#51
 4-Methyl-2-Pentanone
 Concen: 638.00 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

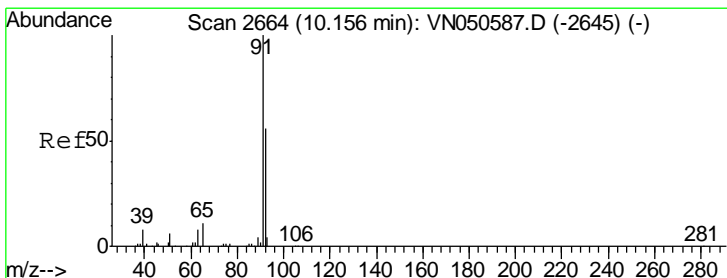
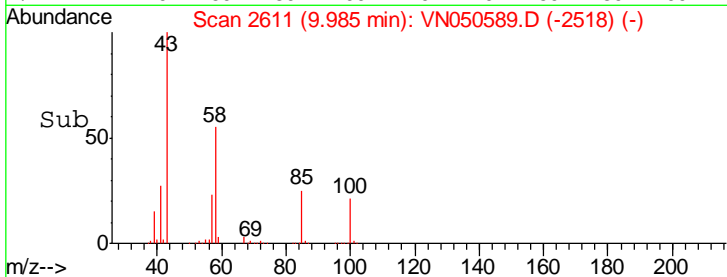
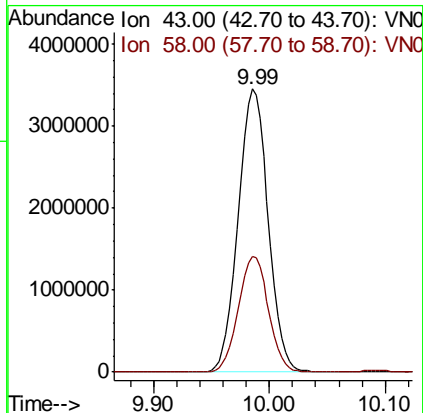
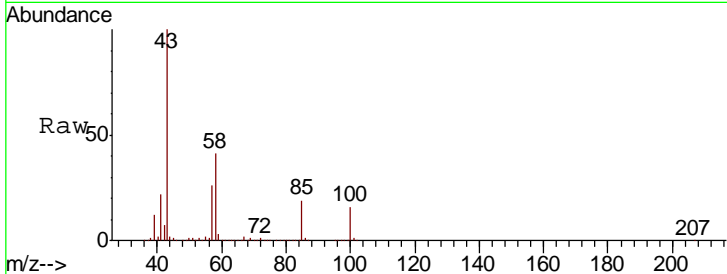
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 43 Resp: 6183088

Ion	Ratio	Lower	Upper
43	100		
58	41.1	32.5	48.7

Manual Integrations
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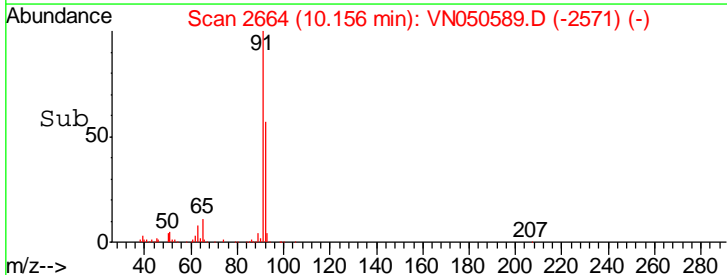
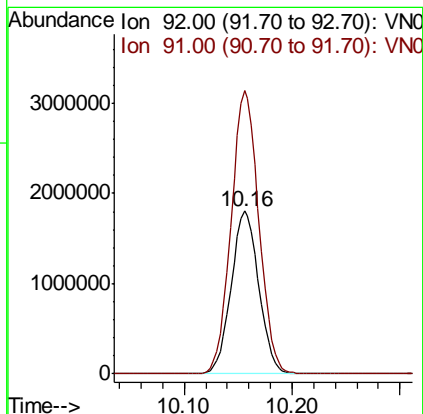
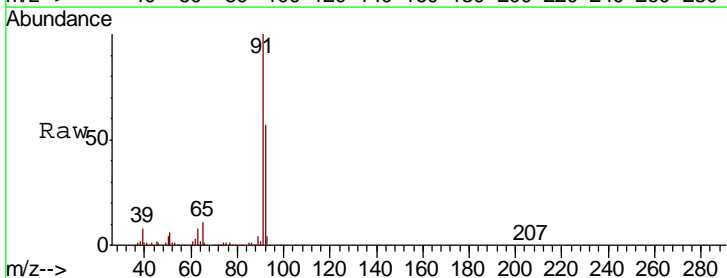
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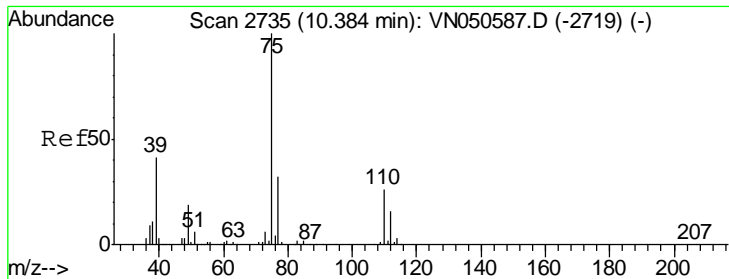


#52
 Toluene
 Concen: 155.25 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 92 Resp: 3222169

Ion	Ratio	Lower	Upper
92	100		
91	174.1	141.9	212.9





#53
 t-1,3-Dichloropropene
 Concen: 153.21 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

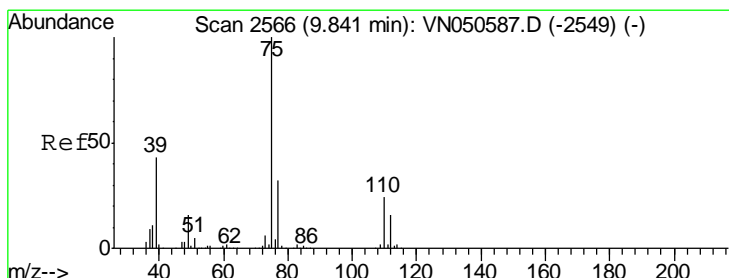
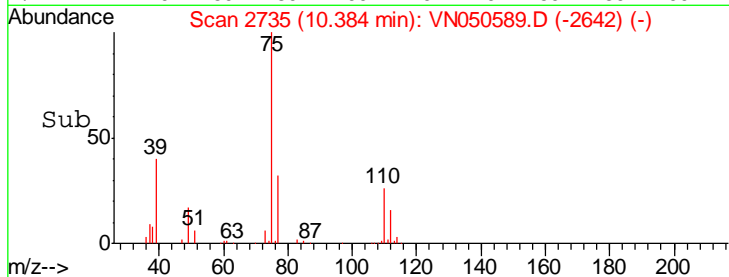
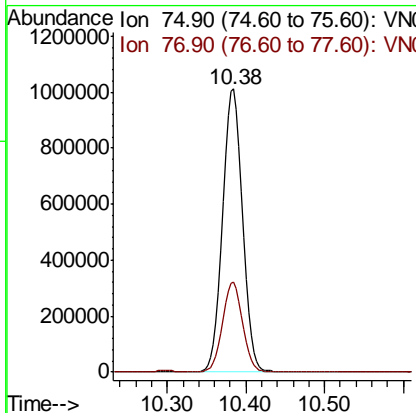
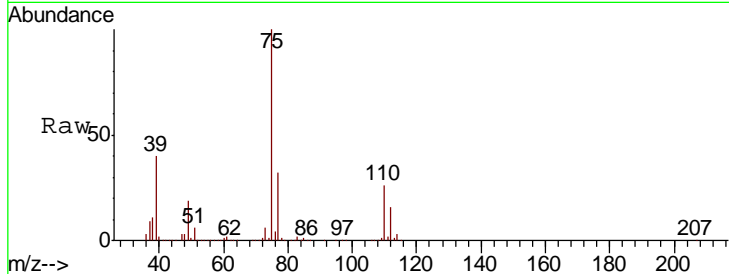
Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion: 75 Resp: 1766979

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.6

Manual Integrations
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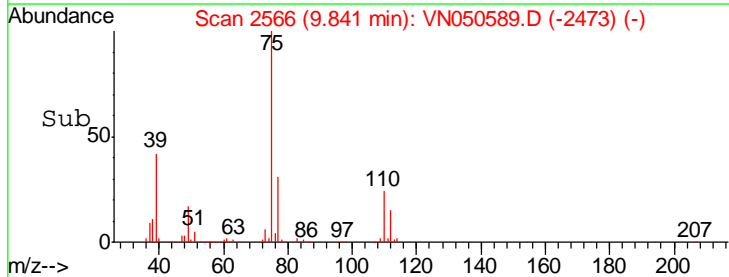
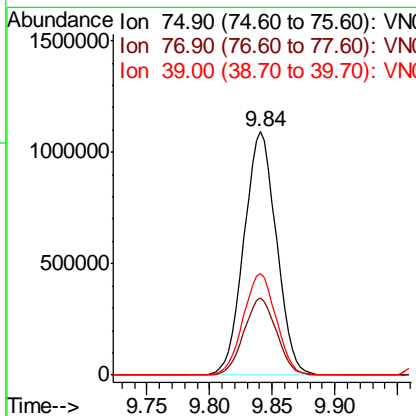
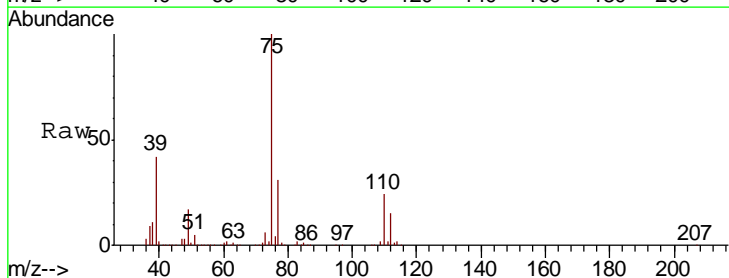
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 8/15/2018 3:21:47 PM

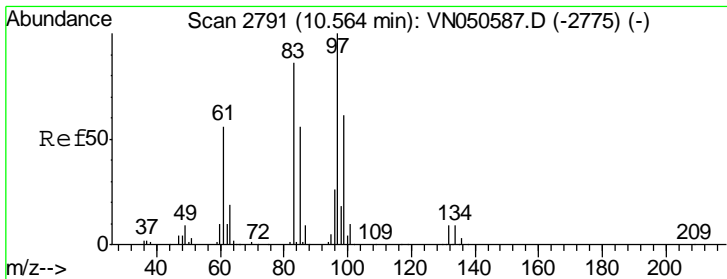


#54
 cis-1,3-Dichloropropene
 Concen: 152.28 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 75 Resp: 1970411

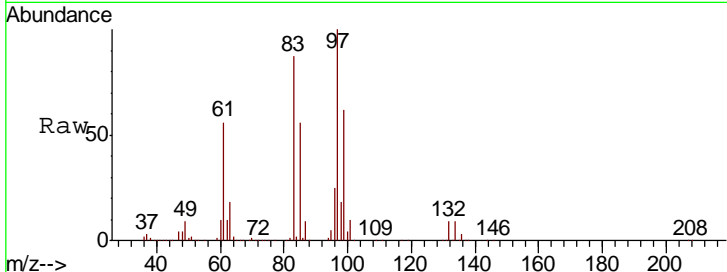
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	41.9	34.4	51.6





#55
 1,1,2-Trichloroethane
 Concen: 139.39 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

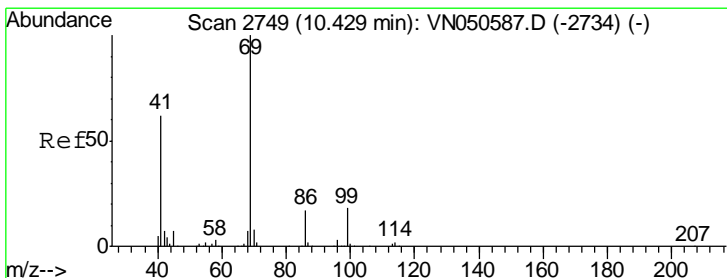
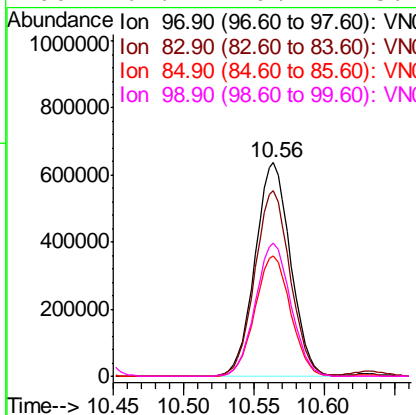
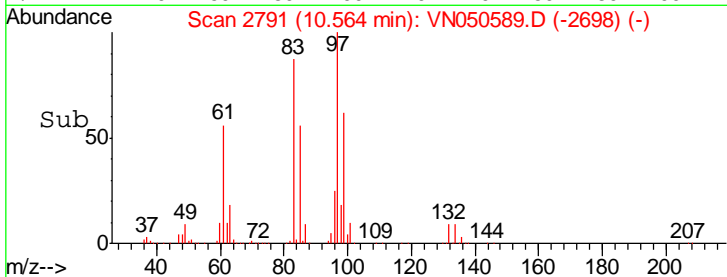
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150



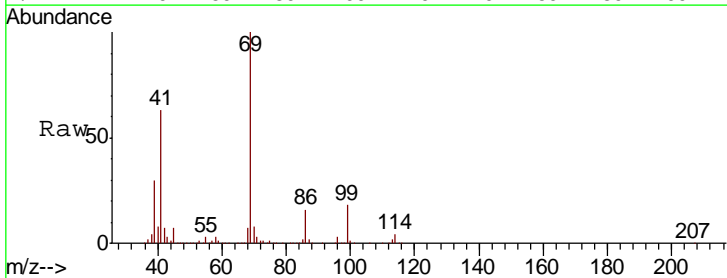
Tgt Ion: 97 Resp: 1119586

Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.5	102.7
85	56.2	44.6	66.8
99	62.2	49.1	73.7

Manual Integrations
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 MMDadoda
 8/15/2018 3:21:47 PM

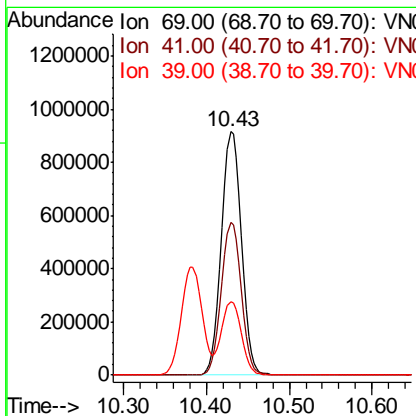
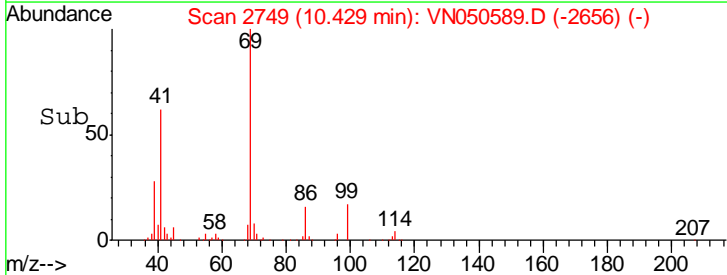


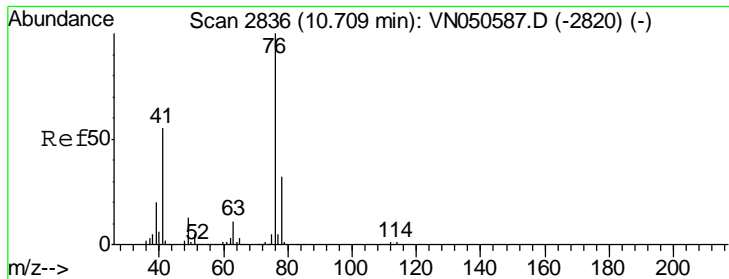
#56
 Ethyl methacrylate
 Concen: 152.84 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49



Tgt Ion: 69 Resp: 1527695

Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.7	74.5
39	30.4	24.2	36.2





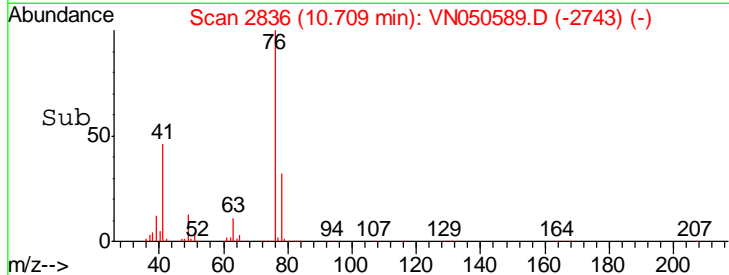
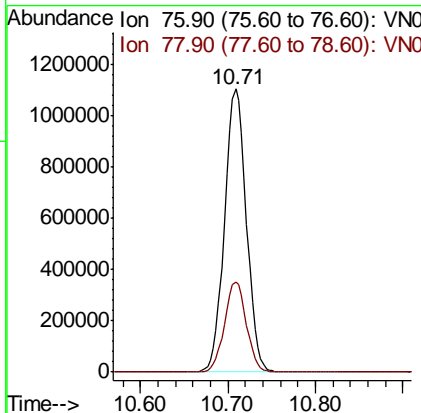
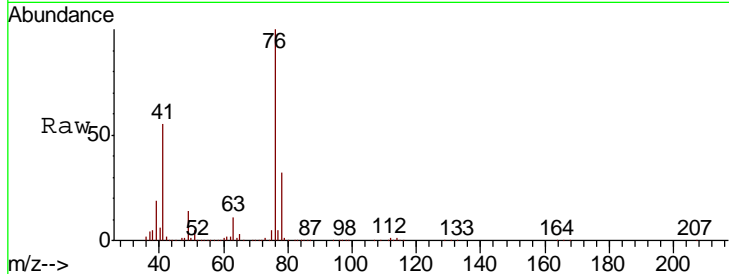
#57
 1,3-Dichloropropane
 Concen: 144.68 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
76	1909508		
76	100		
78	32.0	25.8	38.6

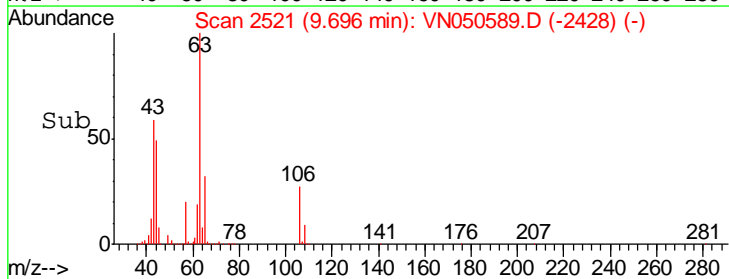
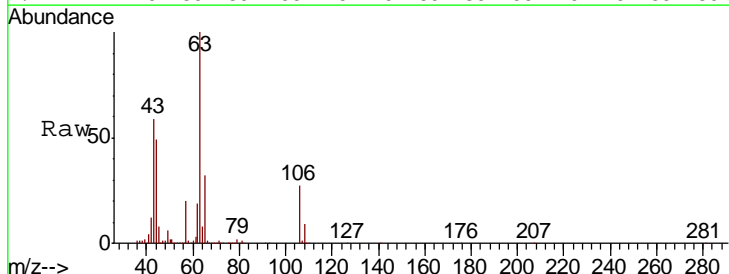
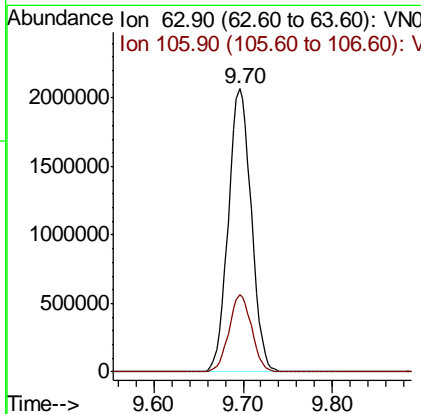
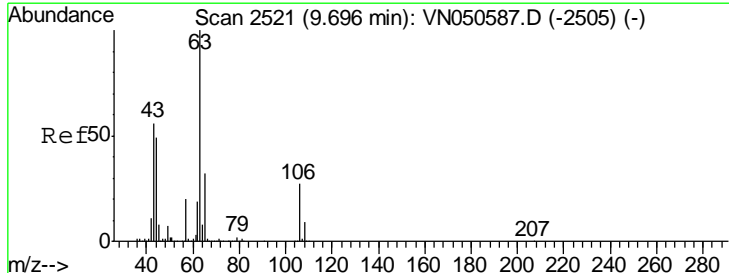
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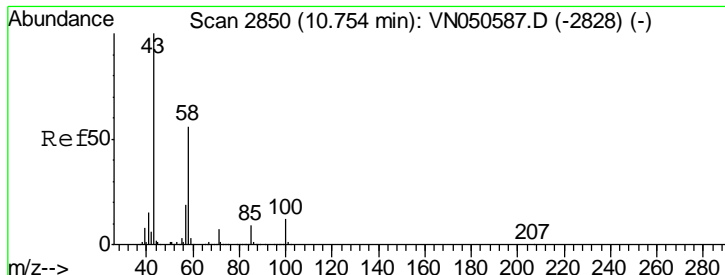
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#58
 2-Chloroethyl Vinyl ether
 Concen: 787.74 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
63	3678405		
63	100		
106	27.0	21.7	32.5





#59
 2-Hexanone
 Concen: 621.00 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

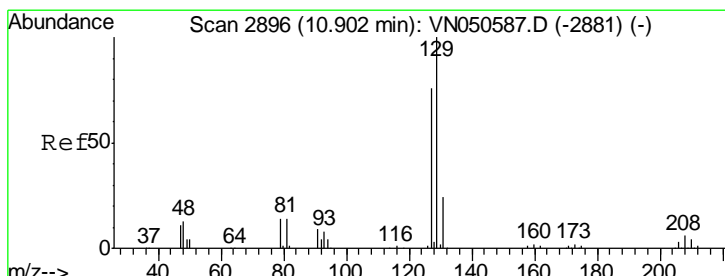
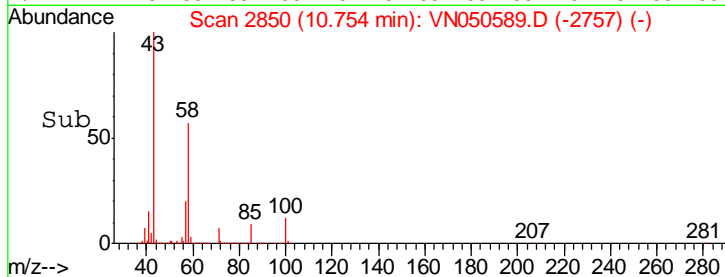
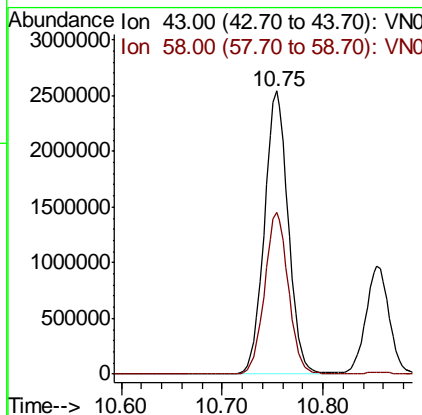
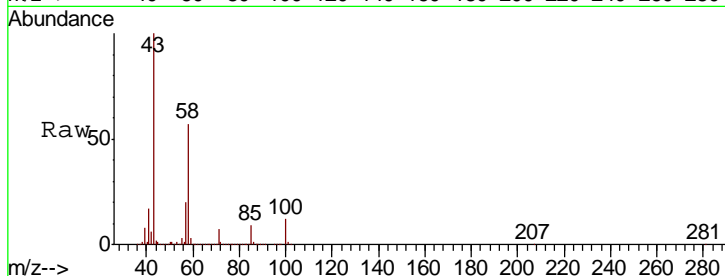
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 43 Resp: 4173400

Ion	Ratio	Lower	Upper
43	100		
58	57.0	28.0	84.0

Manual Integrations
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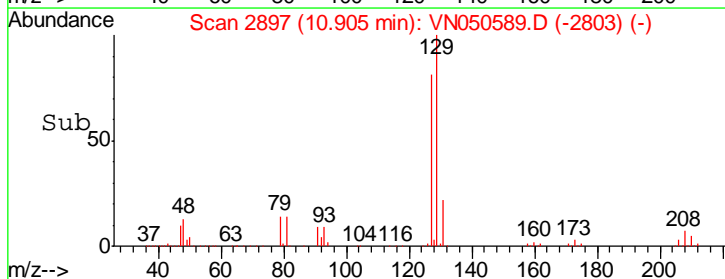
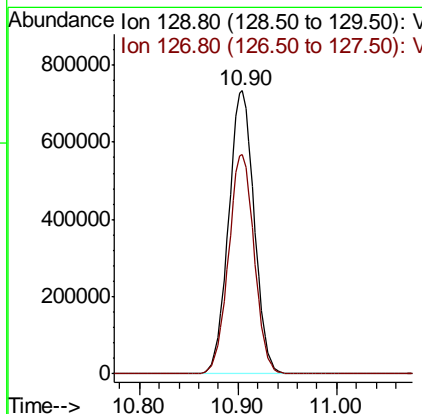
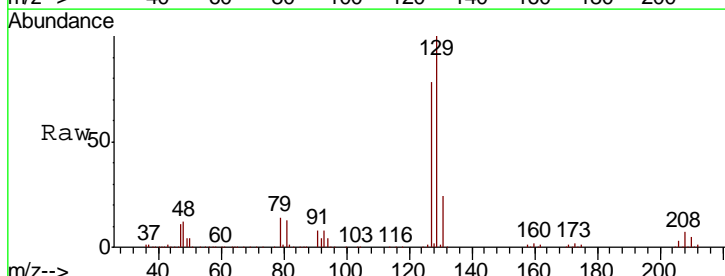
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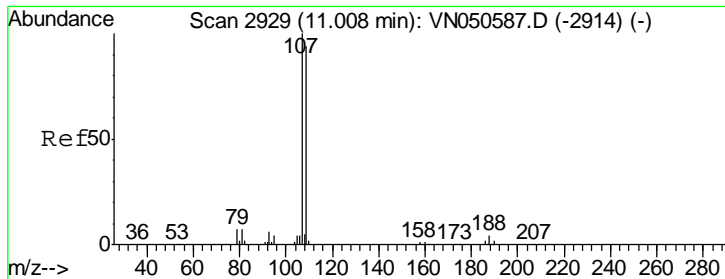


#60
 Dibromochloromethane
 Concen: 149.94 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 129 Resp: 1328576

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.9	116.7





#61
 1,2-Dibromoethane
 Concen: 146.34 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

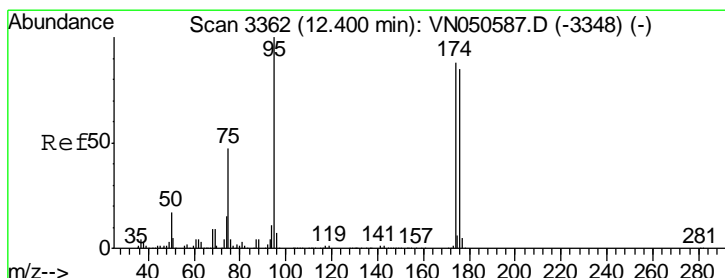
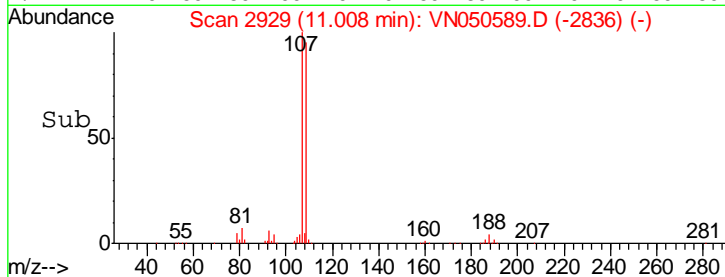
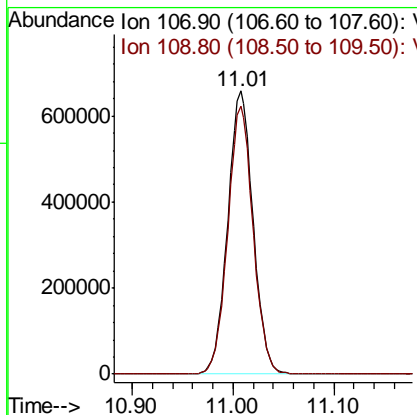
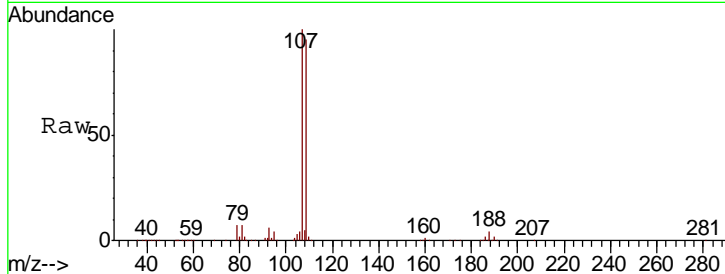
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 107 Resp: 1153488

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.7	113.5

Manual Integrations
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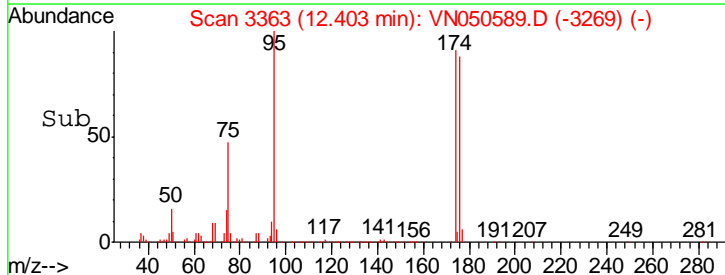
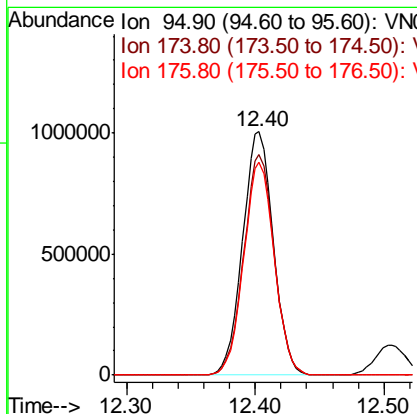
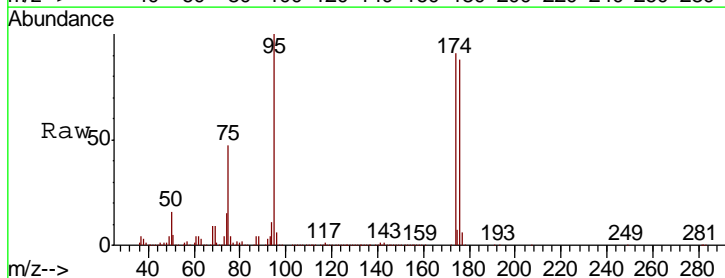
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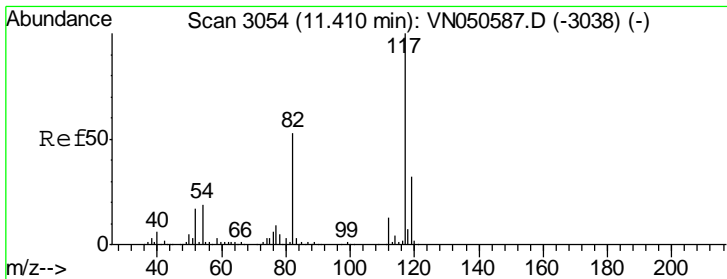


#62
 4-Bromofluorobenzene
 Concen: 158.59 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 95 Resp: 1663786

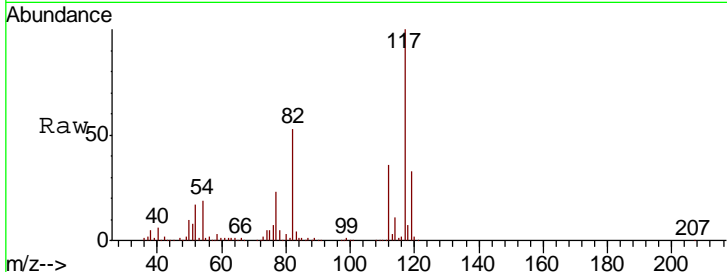
Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	177.8
176	87.2	0.0	175.0





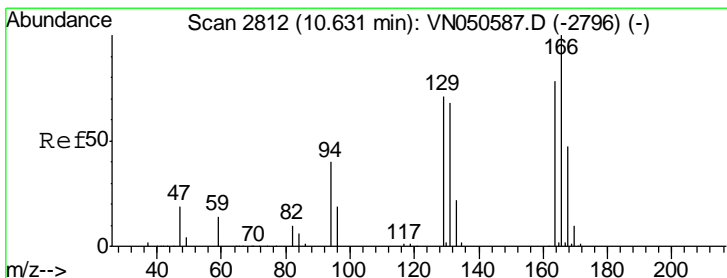
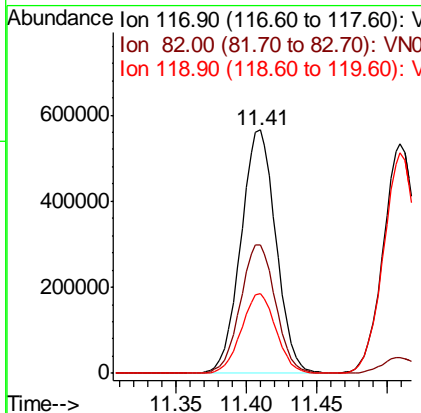
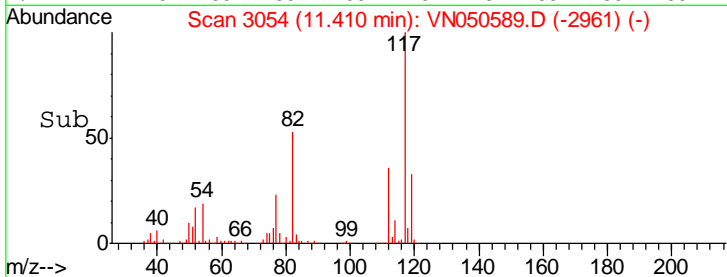
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

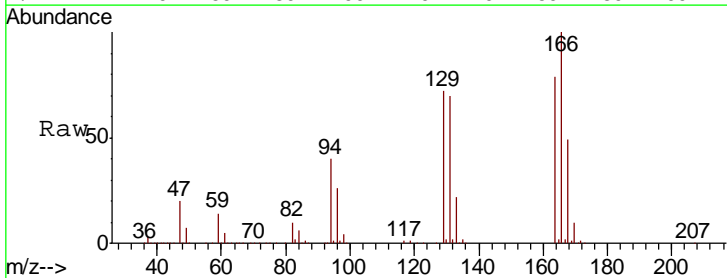


Tgt Ion	Resp	Lower	Upper
117	985863		
117	100		
82	52.6	42.4	63.6
119	32.9	25.8	38.8

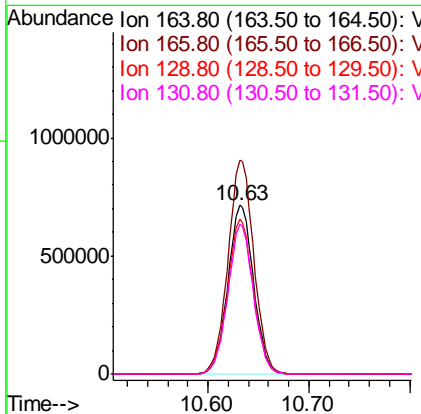
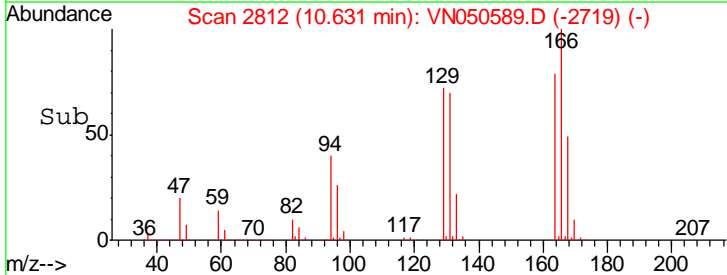
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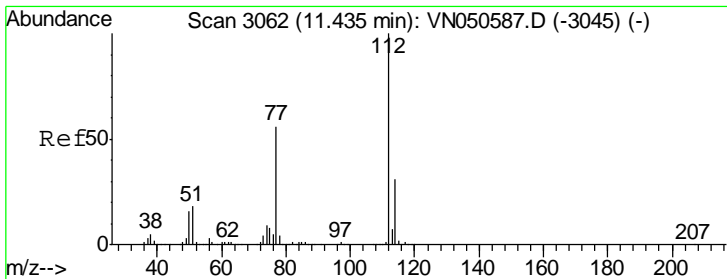


#64
 Tetrachloroethene
 Concen: 137.80 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49



Tgt Ion	Resp	Lower	Upper
164	1267444		
164	100		
166	126.8	102.1	153.1
129	91.6	72.7	109.1
131	88.7	69.9	104.9





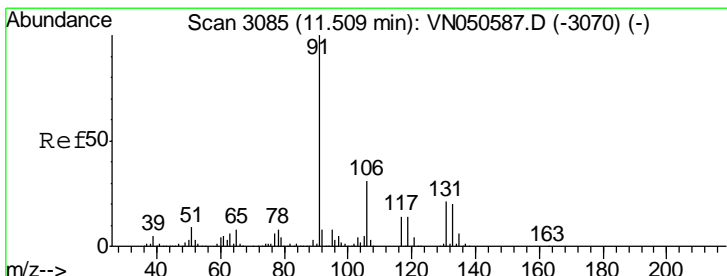
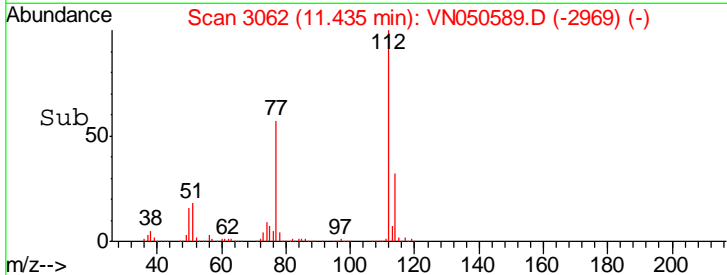
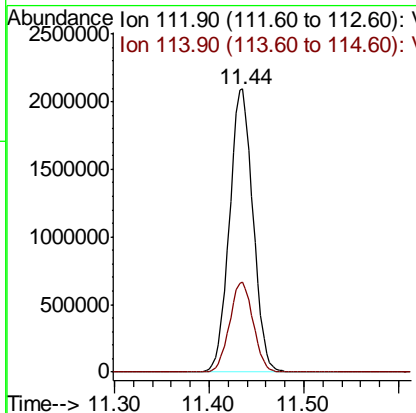
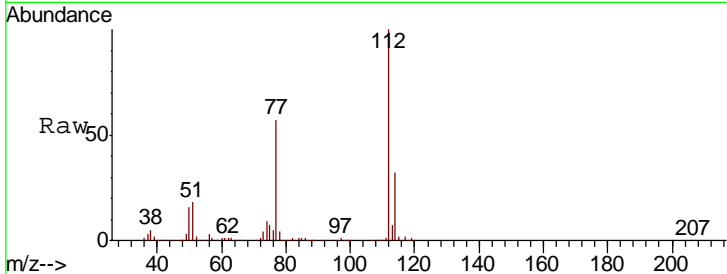
#65
 Chlorobenzene
 Concen: 146.05 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion:112 Resp: 3611520

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.2	37.8

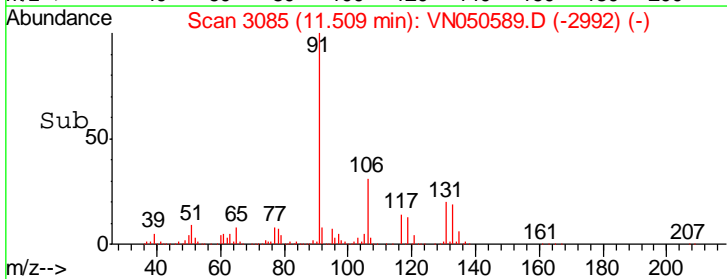
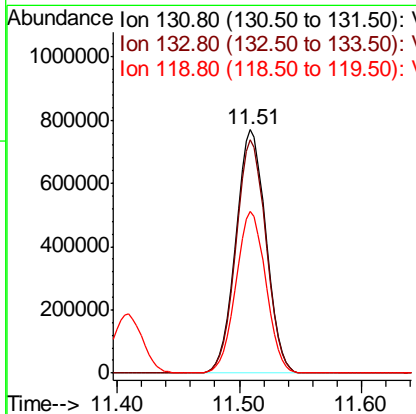
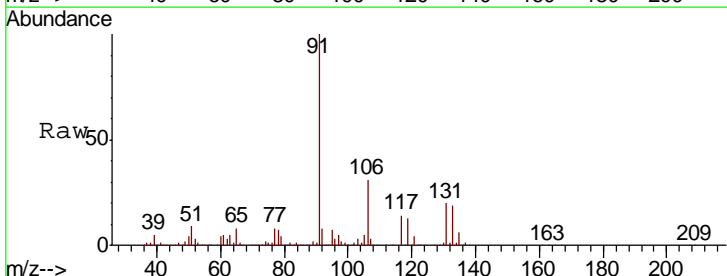
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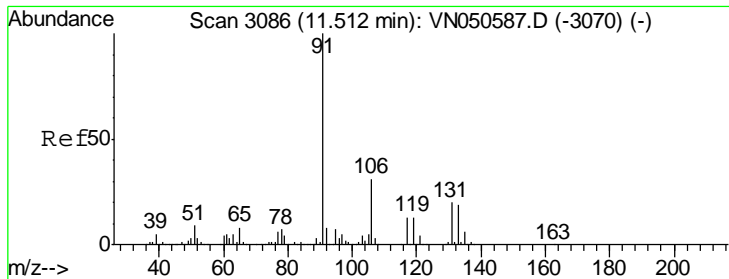


#66
 1,1,1,2-Tetrachloroethane
 Concen: 145.07 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion:131 Resp: 1308725

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.6	142.9
119	66.2	33.1	99.3





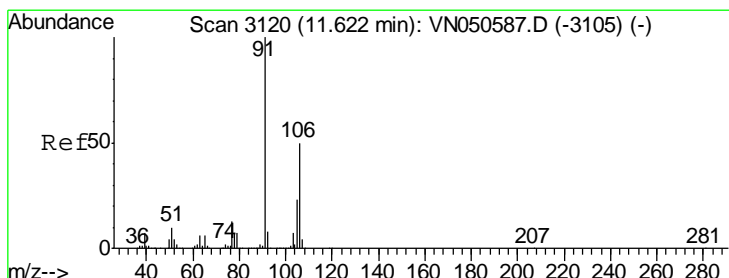
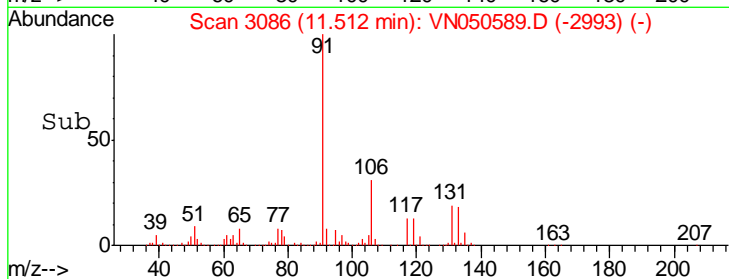
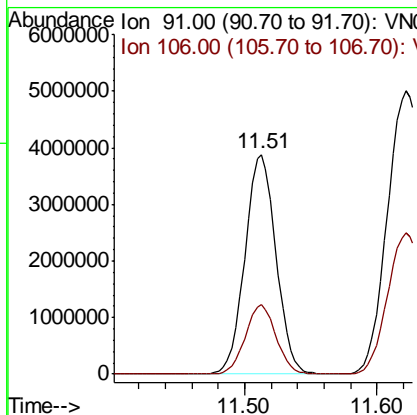
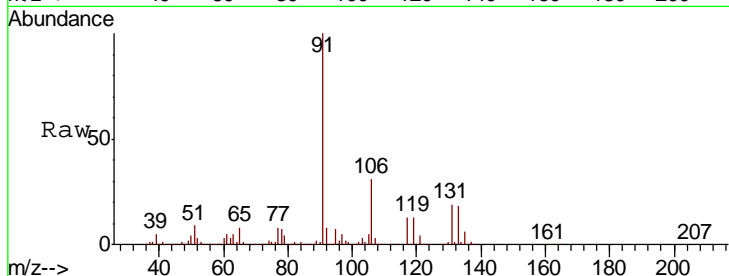
#67
Ethyl Benzene
Concen: 157.54 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
Client Sampled : VSTDIC150

Tgt Ion: 91 Resp: 6297817
Ion Ratio Lower Upper
91 100
106 31.5 24.8 37.2

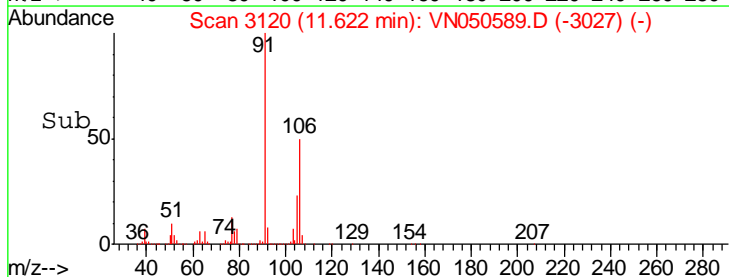
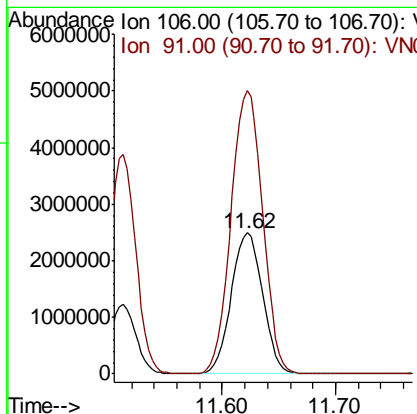
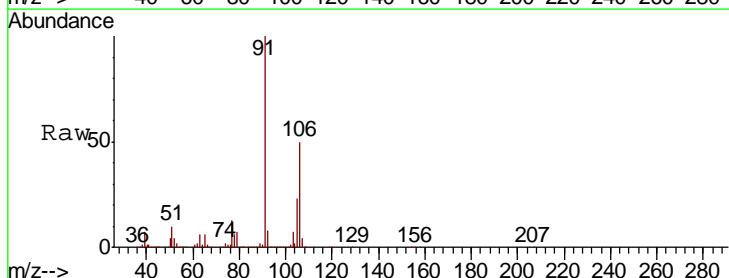
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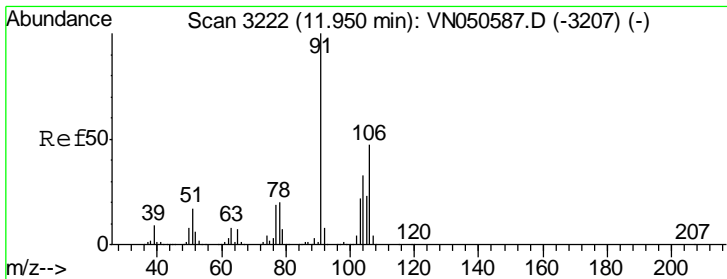
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#68
m/p-Xylenes
Concen: 316.29 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 106 Resp: 4816895
Ion Ratio Lower Upper
106 100
91 202.3 161.5 242.3





#69
 o-Xylene
 Concen: 160.11 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

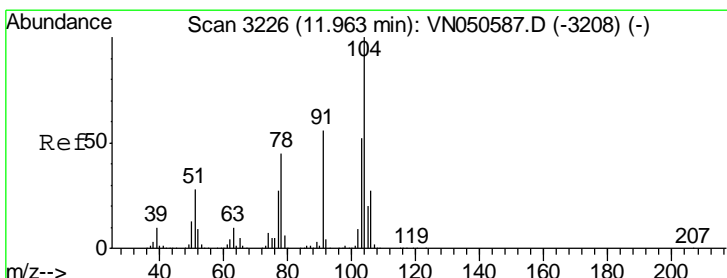
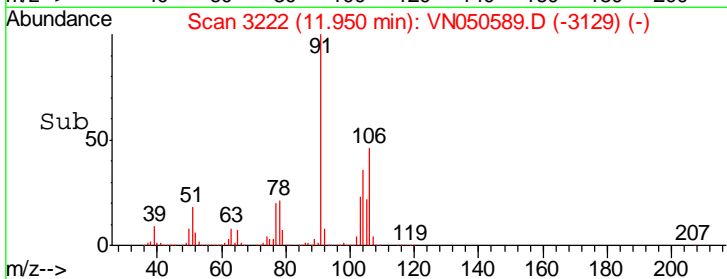
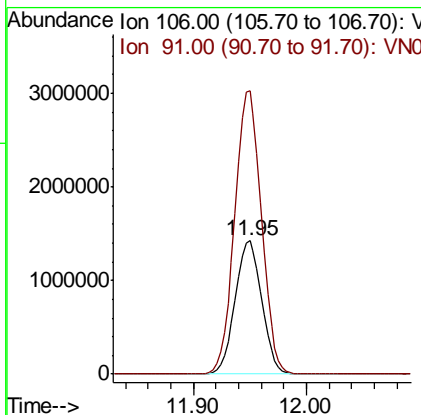
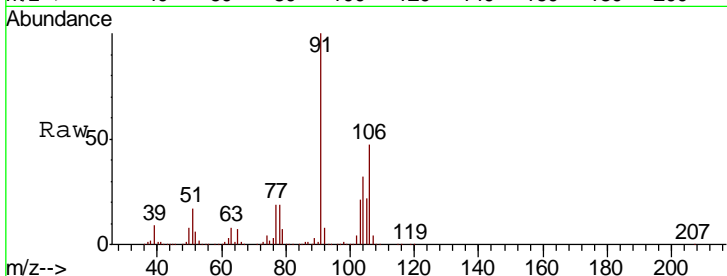
Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion: 106 Resp: 2344737

Ion	Ratio	Lower	Upper
106	100		
91	212.7	106.8	320.4

Manual Integrations
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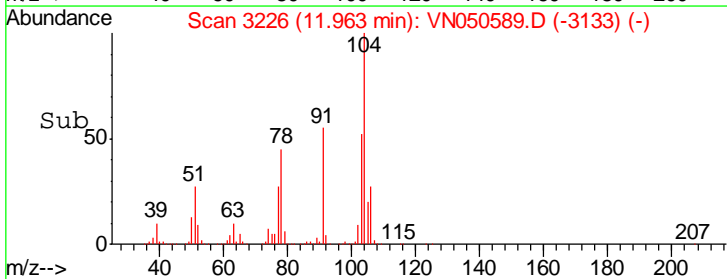
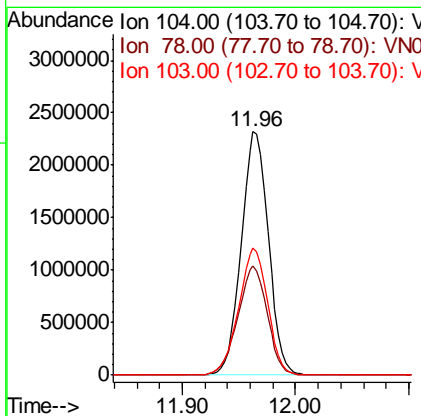
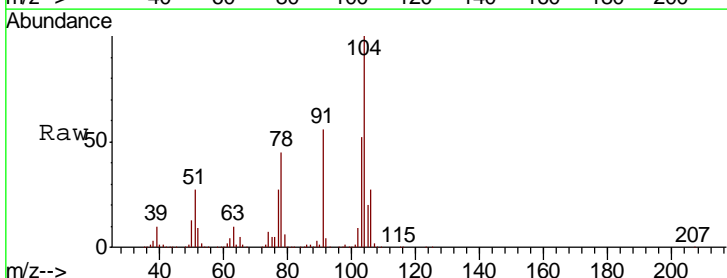
MMDadoda
 8/15/2018 3:21:47 PM

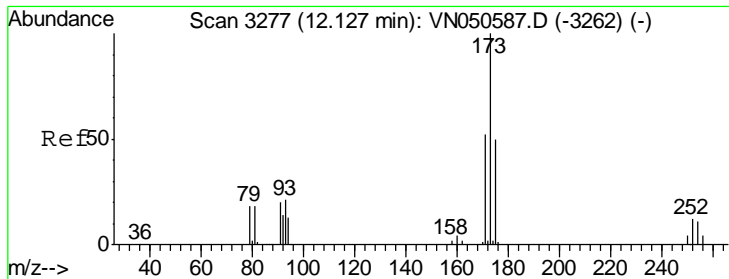


#70
 Styrene
 Concen: 163.59 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 104 Resp: 3885151

Ion	Ratio	Lower	Upper
104	100		
78	48.6	39.1	58.7
103	55.8	44.9	67.3





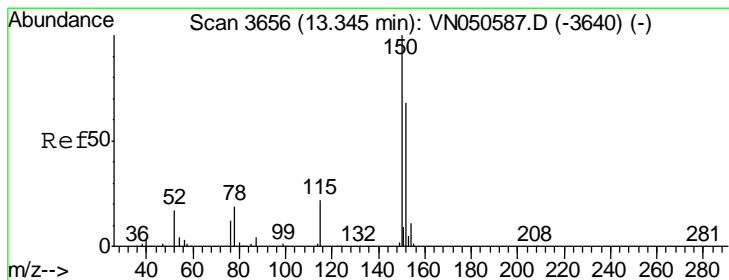
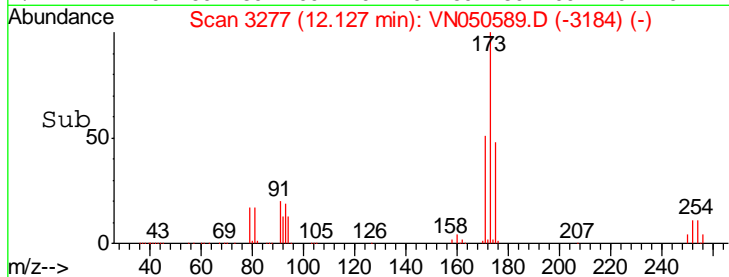
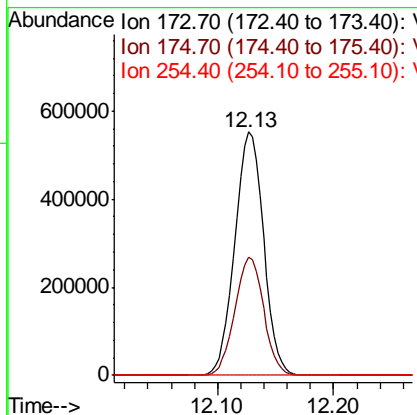
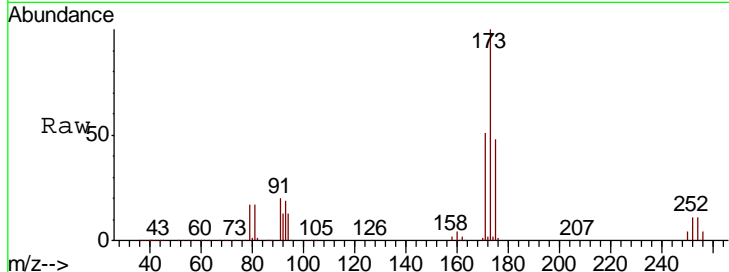
#71
 Bromoform
 Concen: 146.22 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.6	24.4	73.2
254	0.1	0.0	0.0#

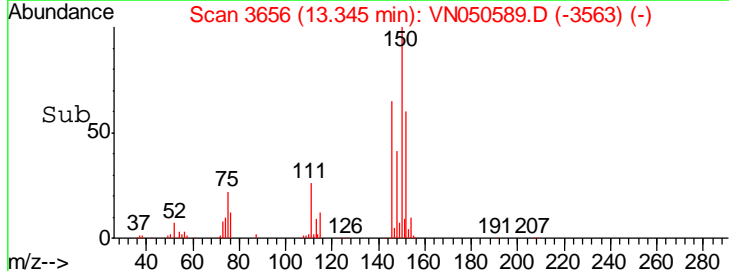
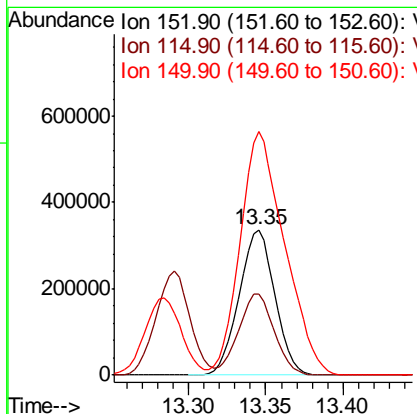
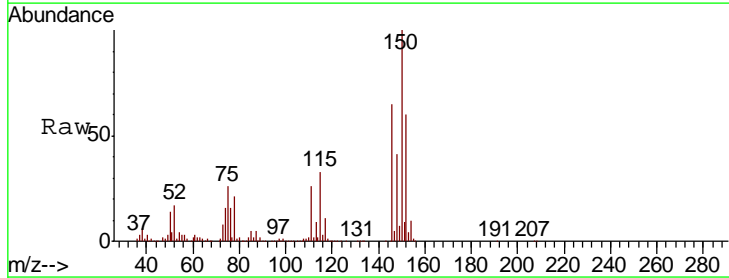
Manual Integrations
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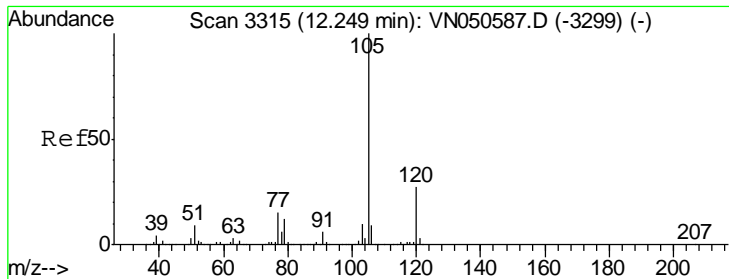
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.7	28.1	84.2
150	209.0	0.0	347.8





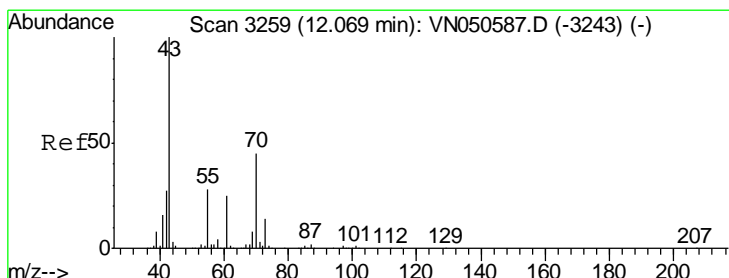
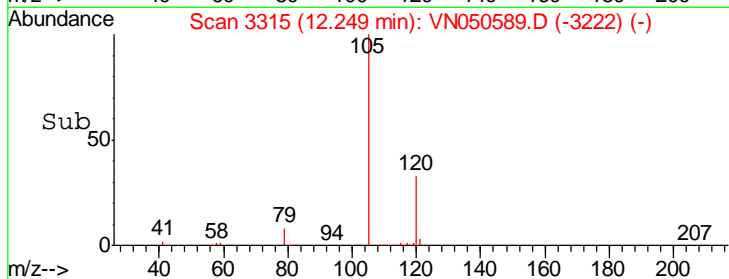
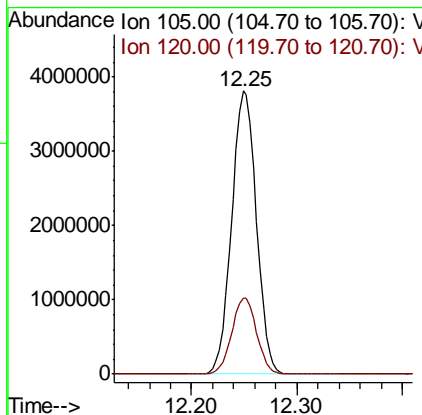
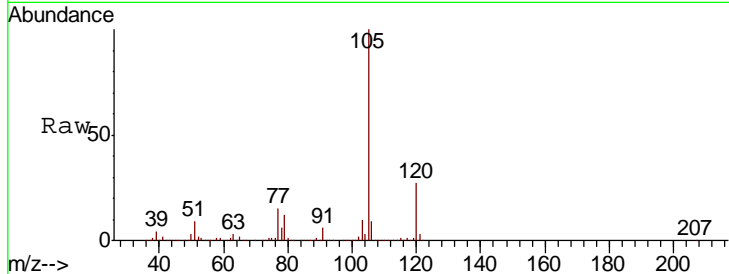
#73
 Isopropylbenzene
 Concen: 150.63 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
105	100		
120	27.0	13.4	40.1

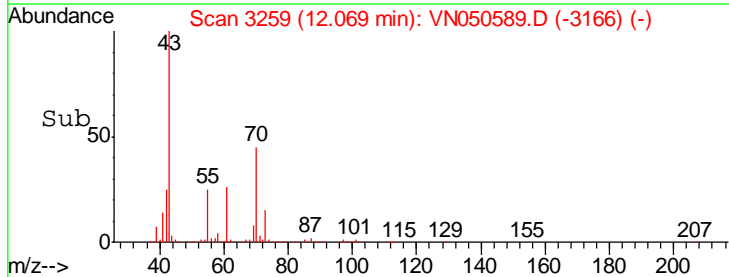
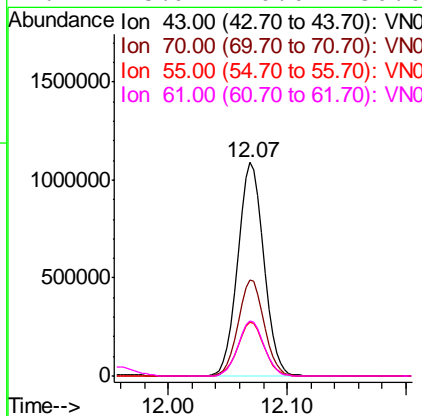
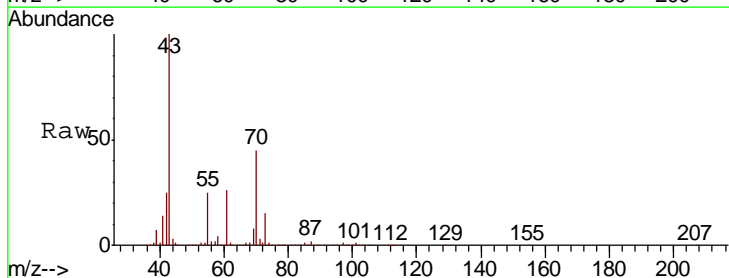
Manual Integrations
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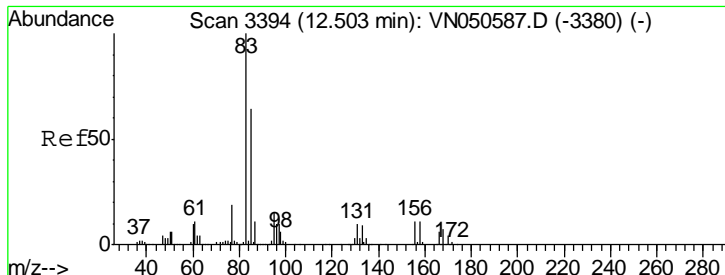
MMDadoda
 8/15/2018 3:21:47 PM



#74
 N-nyl acetate
 Concen: 129.16 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
43	100		
70	45.0	35.9	53.9
55	25.5	22.2	33.4
61	25.9	20.0	30.0





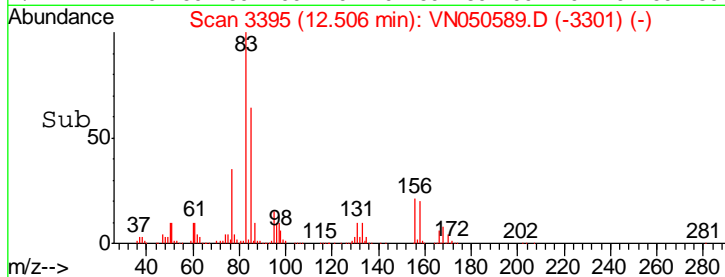
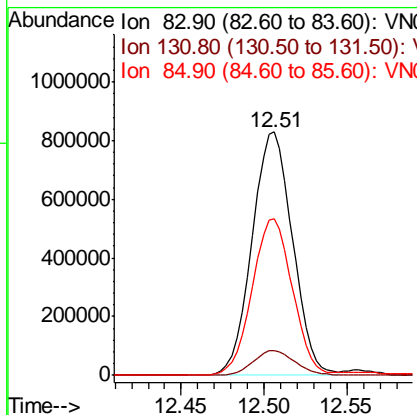
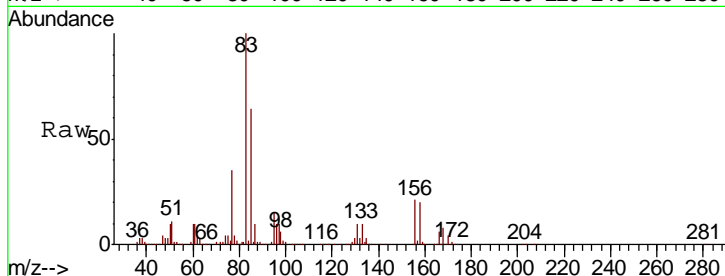
#75
 1,1,2,2-Tetrachloroethane
 Concen: 122.03 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	1406880		
83	100		
131	10.4	5.3	15.9
85	64.1	32.1	96.5

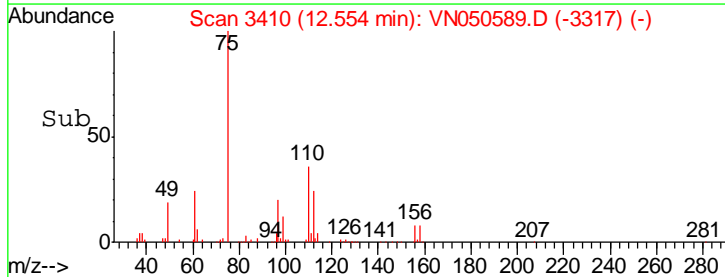
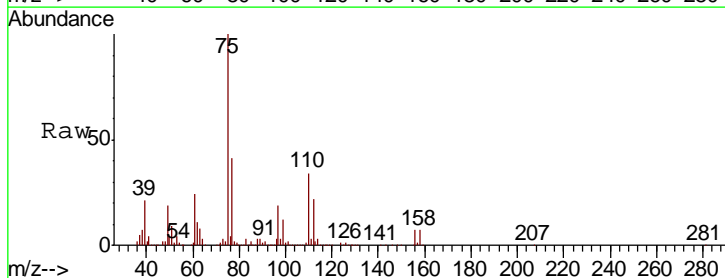
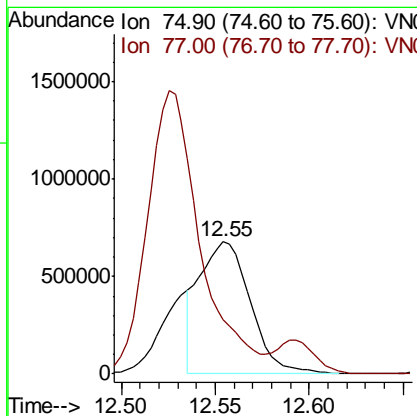
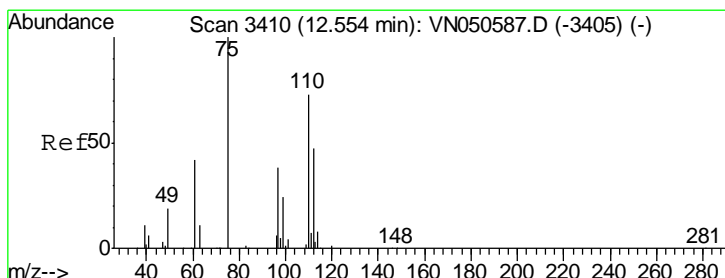
Manual Integrations
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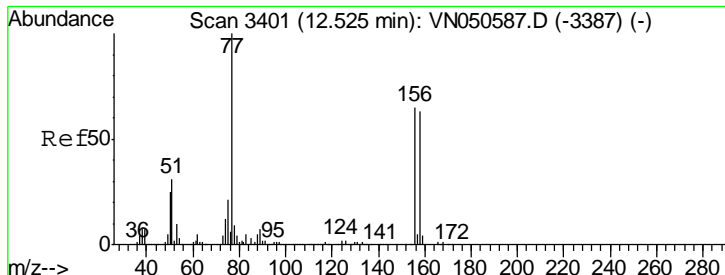
MMDadoda
 8/15/2018 3:21:47 PM



#76
 1,2,3-Trichloropropane
 Concen: 131.79 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
75	1286327		
75	100		
77	0.0	0.0	0.0





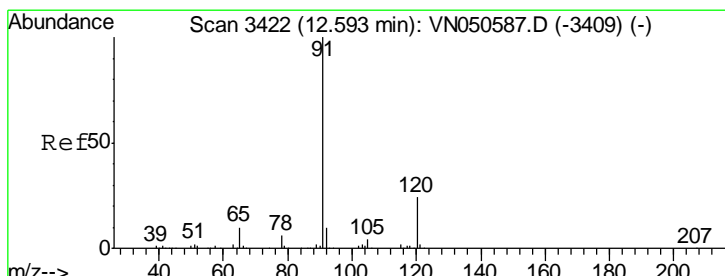
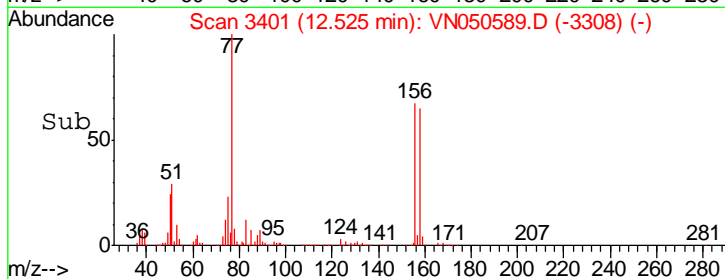
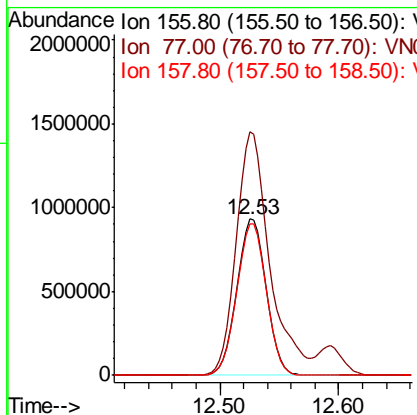
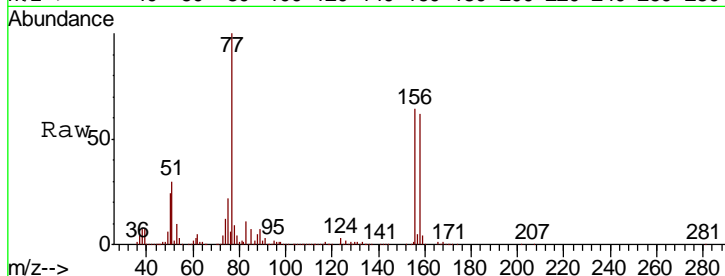
#77
 Bromobenzene
 Concen: 145.83 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
156	1593498		
77	178.5	89.0	267.1
158	97.5	48.5	145.6

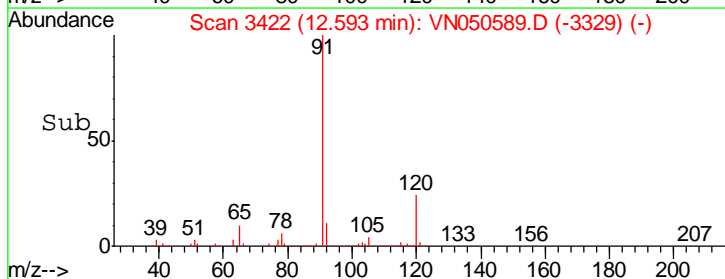
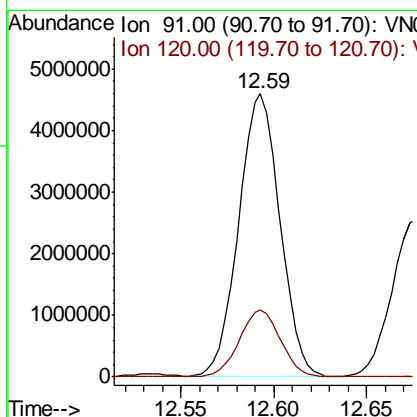
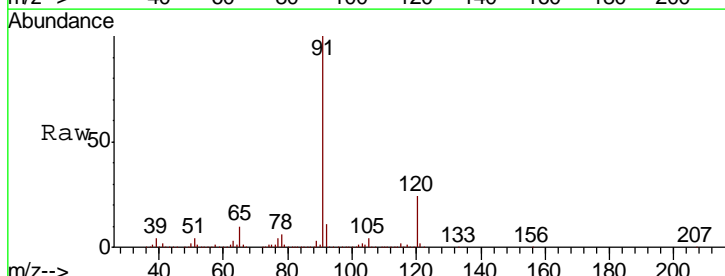
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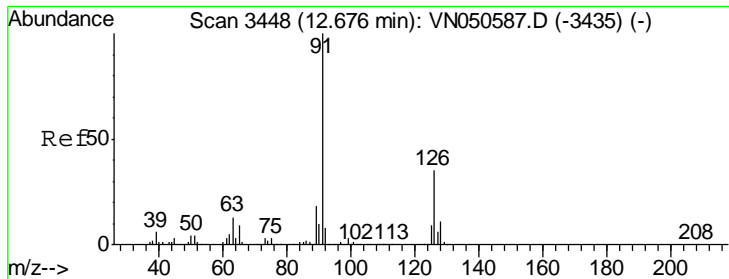
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#78
 n-propylbenzene
 Concen: 153.33 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
91	7081288		
120	23.6	11.8	35.4





#79
 2-Chlorotoluene
 Concen: 146.57 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

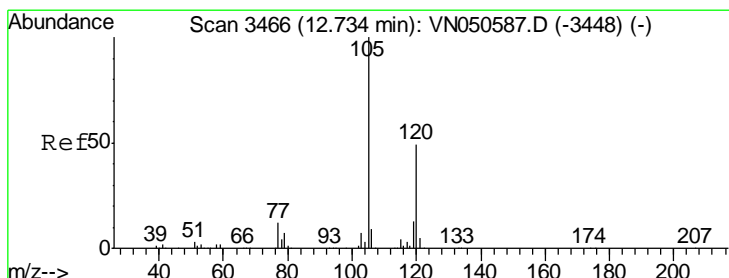
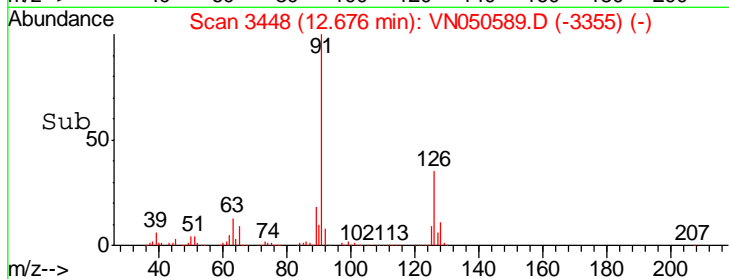
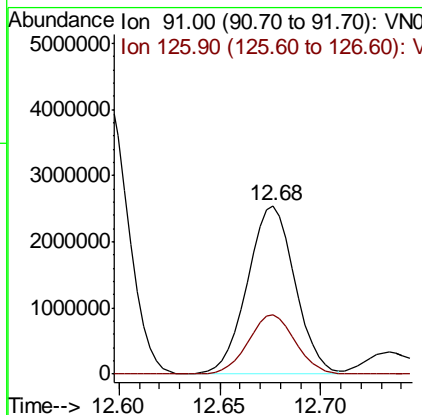
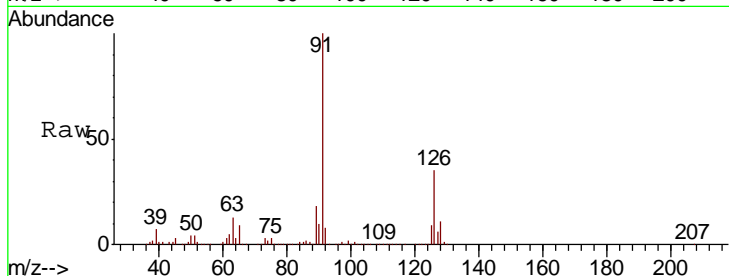
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 91 Resp: 4183529

Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.6	52.8

Manual Integrations
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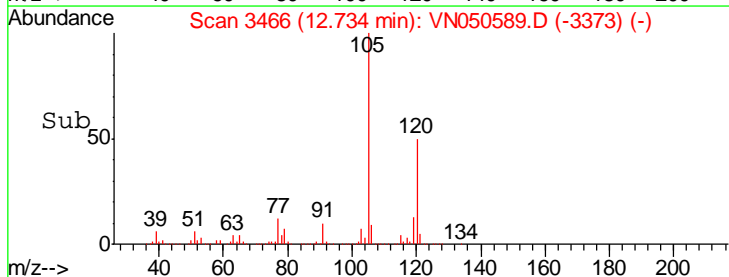
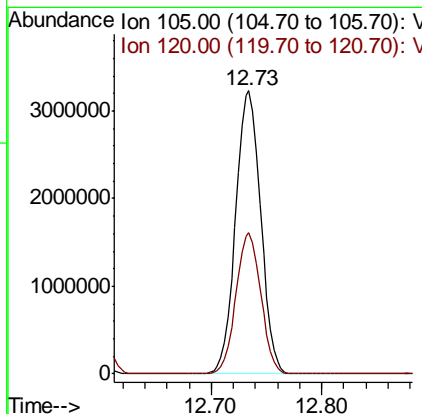
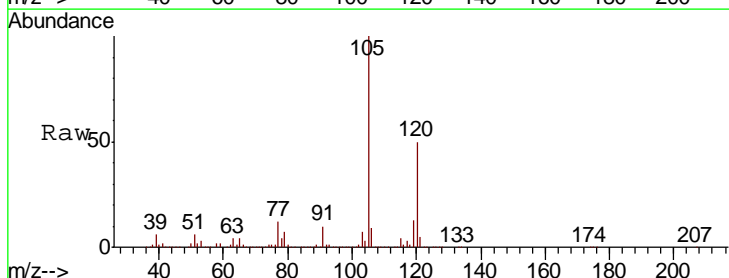
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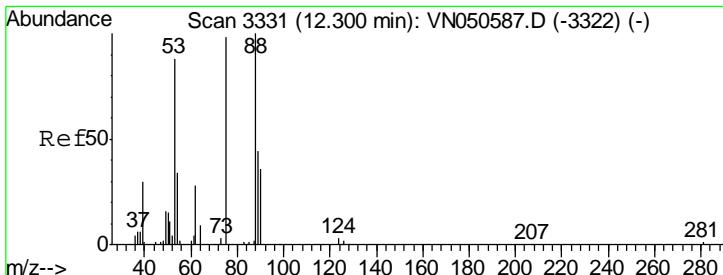


#80
 1,3,5-Trimethylbenzene
 Concen: 153.38 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 105 Resp: 5074200

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.7	74.1





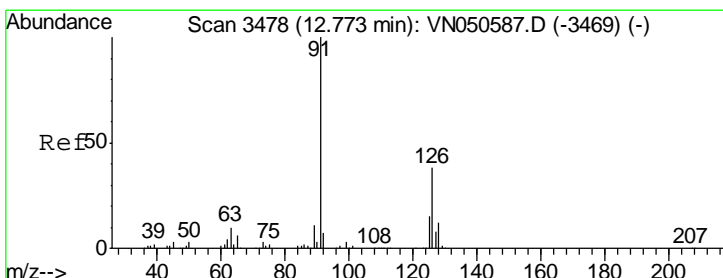
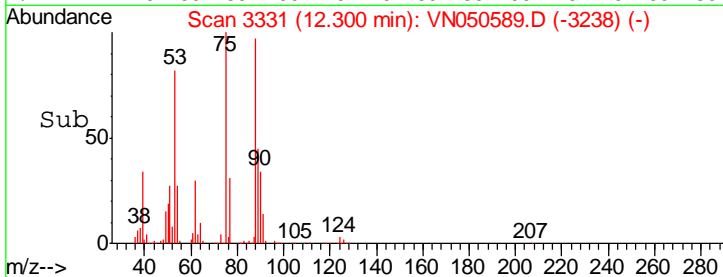
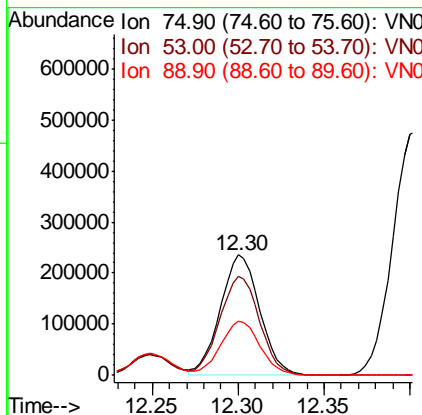
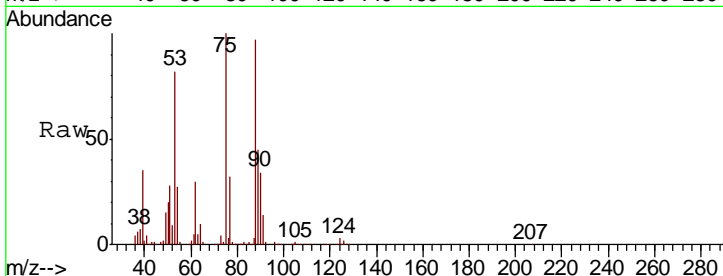
#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.77 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	100		
53	84.3	72.2	108.2
89	45.7	36.3	54.5

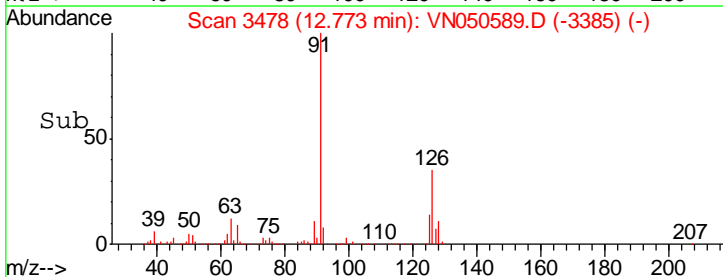
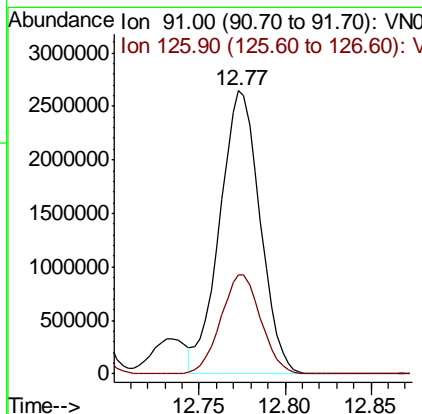
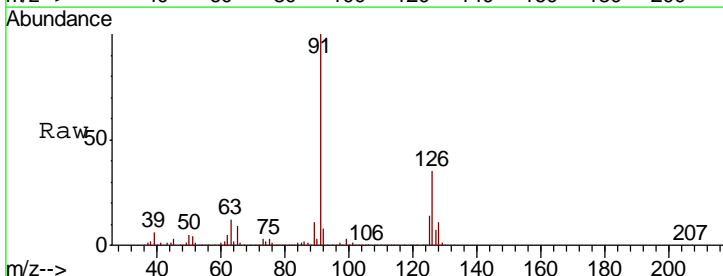
Manual Integrations
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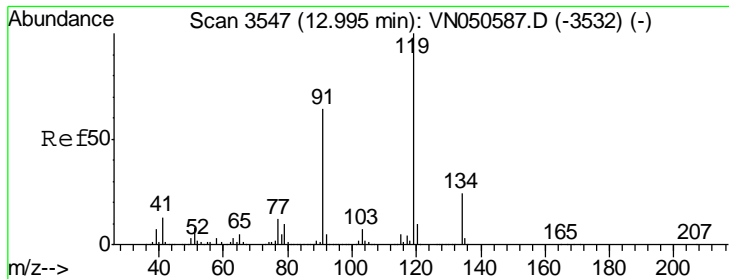
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#82
 4-Chlorotoluene
 Concen: 151.93 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.8	17.3	52.0





#83
 tert-Butylbenzene
 Concen: 152.82 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

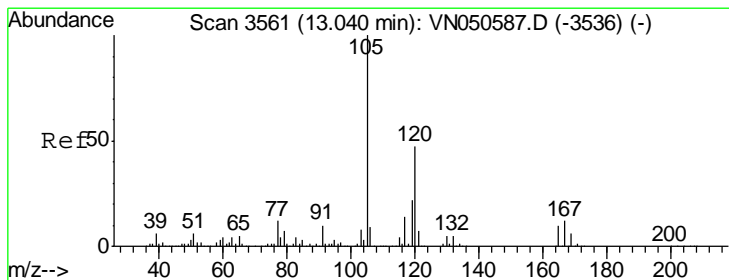
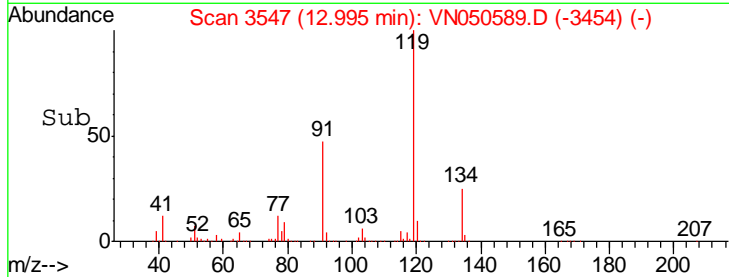
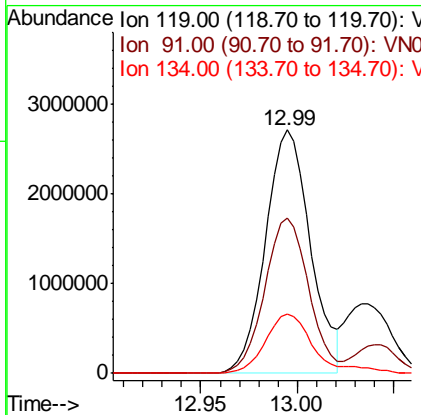
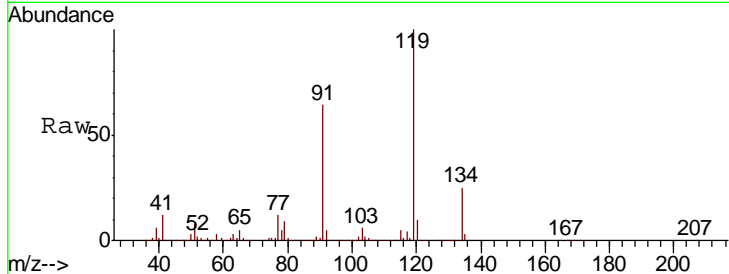
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion:119 Resp: 4398681

Ion	Ratio	Lower	Upper
119	100		
91	62.7	32.2	96.6
134	26.2	13.4	40.2

Manual Integrations
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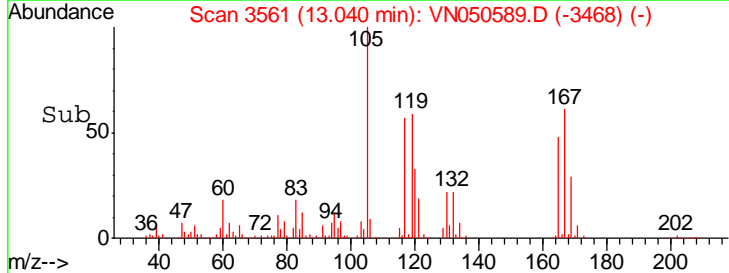
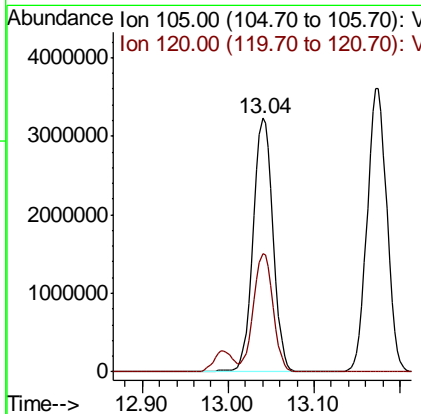
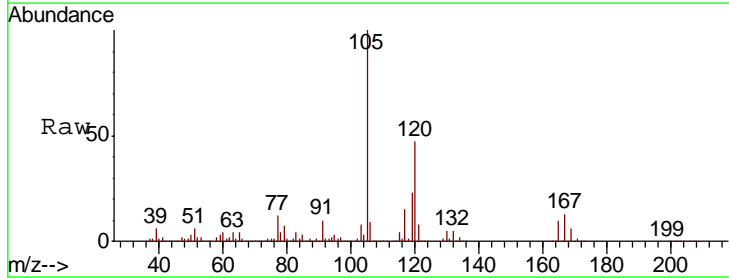
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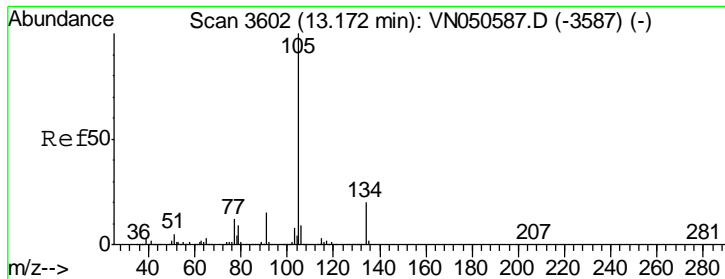


#84
 1,2,4-Trimethylbenzene
 Concen: 155.06 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion:105 Resp: 5193348

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.5





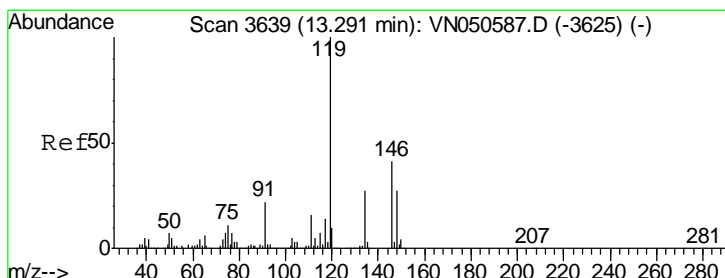
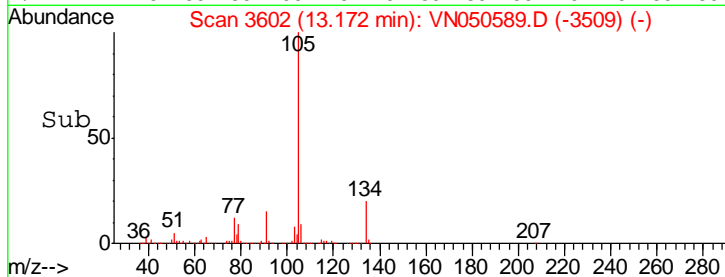
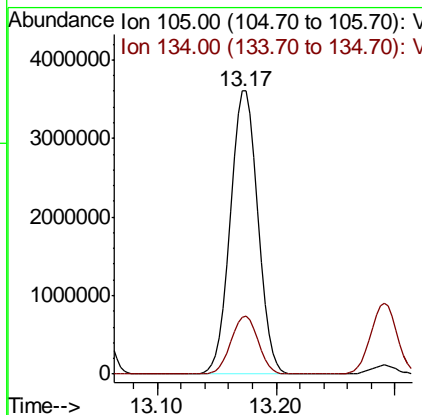
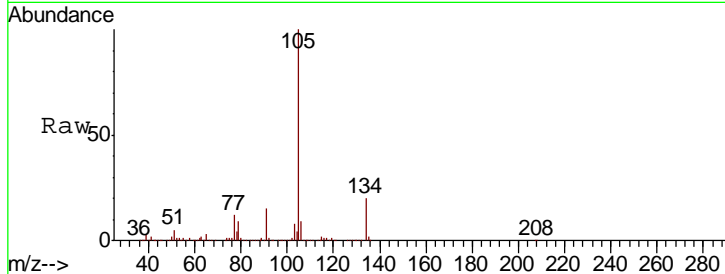
#85
 sec-Butylbenzene
 Concen: 150.48 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.4	10.1	30.3

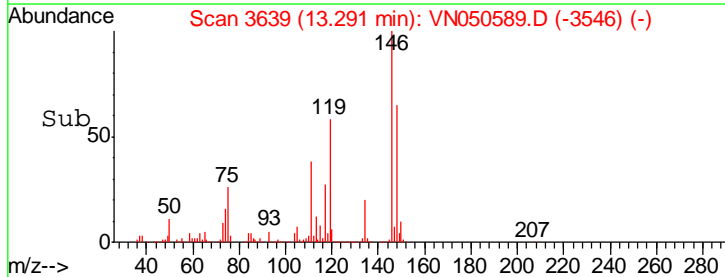
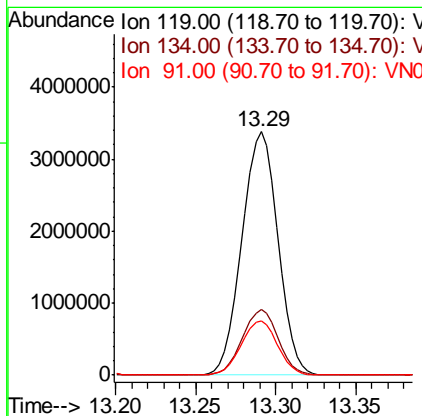
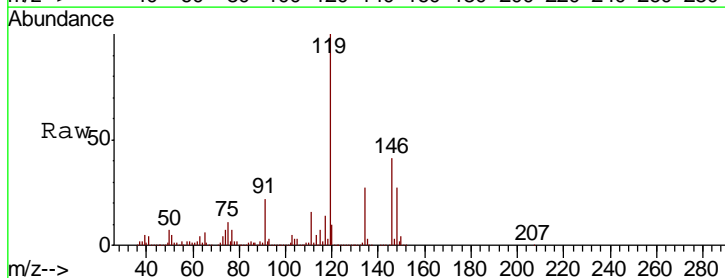
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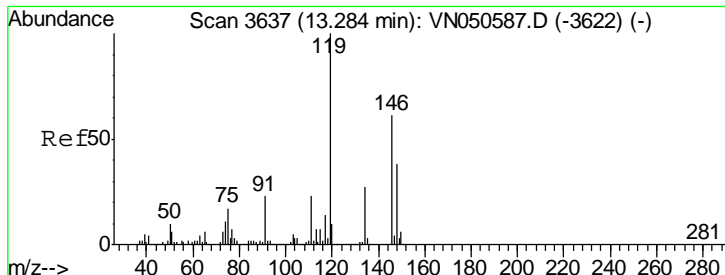
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 8/15/2018 3:21:47 PM



#86
 p-Isopropyltoluene
 Concen: 157.18 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.9	13.5	40.4
91	22.3	11.2	33.6





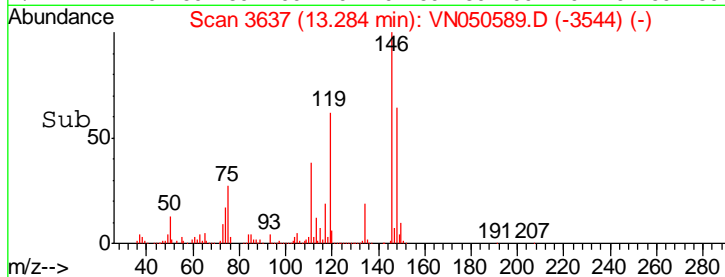
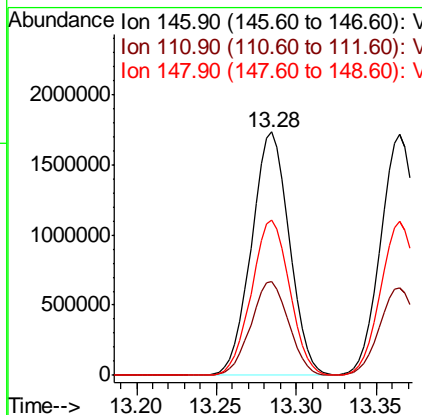
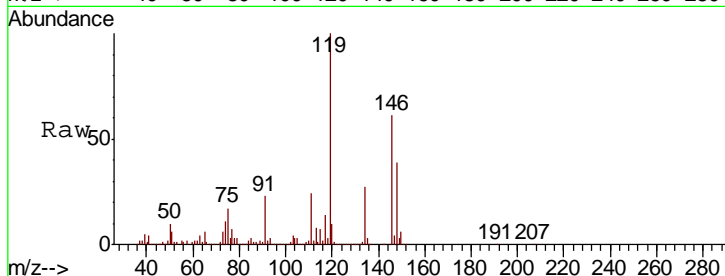
#87
 1,3-Dichlorobenzene
 Concen: 145.96 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.5	19.2	57.6
148	64.2	31.9	95.7

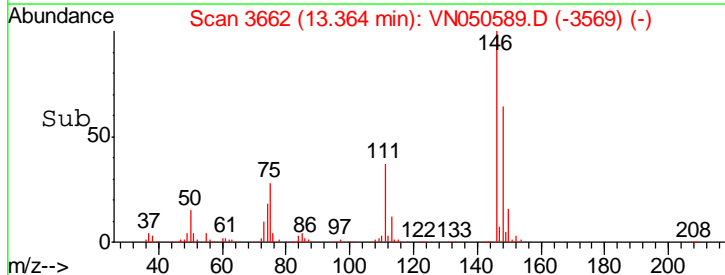
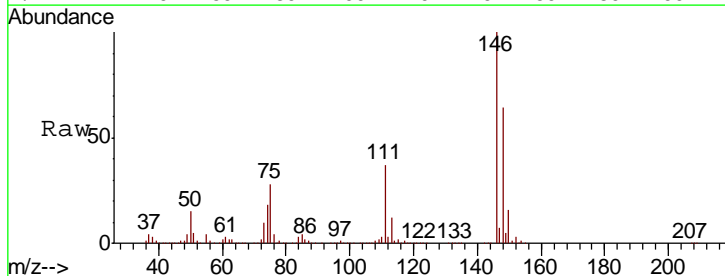
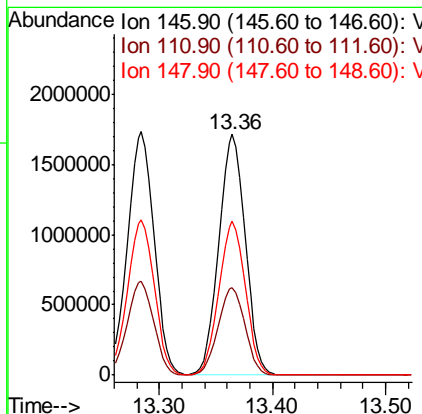
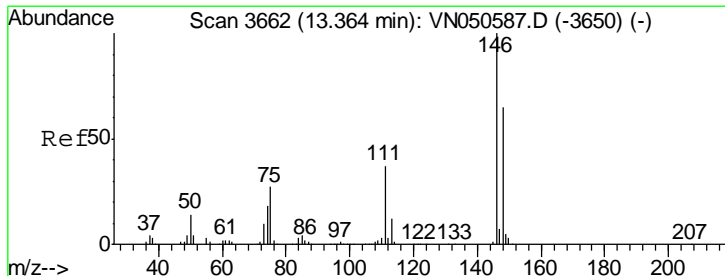
Manual Integrations
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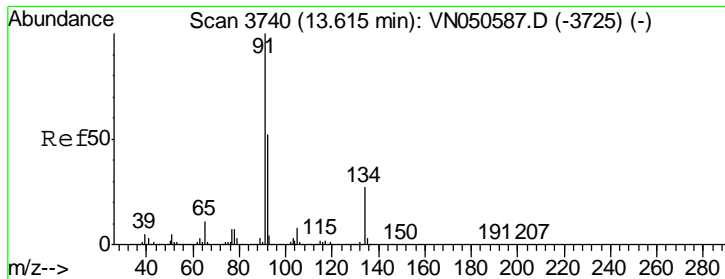
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#88
 1,4-Dichlorobenzene
 Concen: 144.05 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
146	100		
111	36.9	18.8	56.4
148	64.0	32.3	96.8





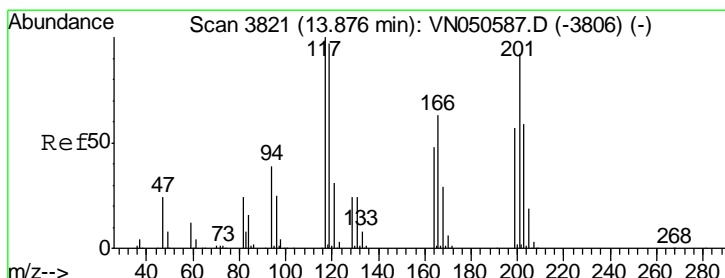
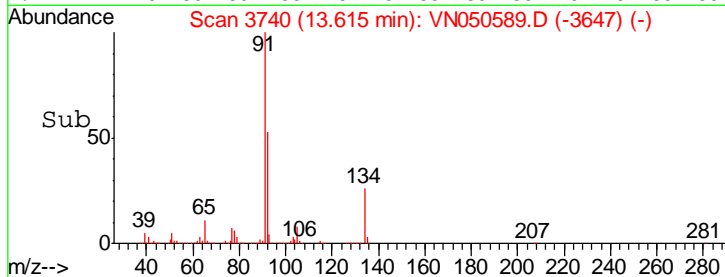
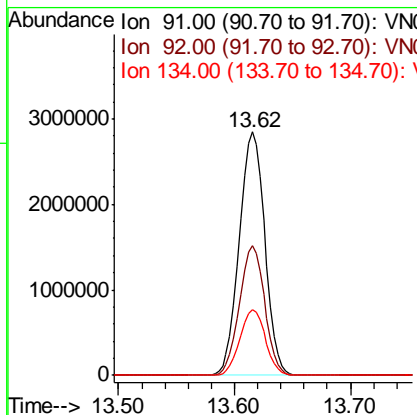
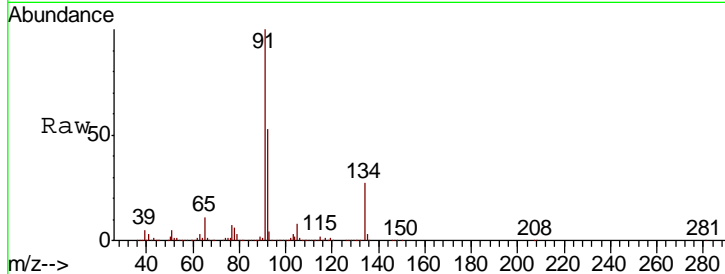
#89
 n-Butylbenzene
 Concen: 156.47 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	4351291		
92	52.6	26.3	78.8
134	26.9	13.3	39.9

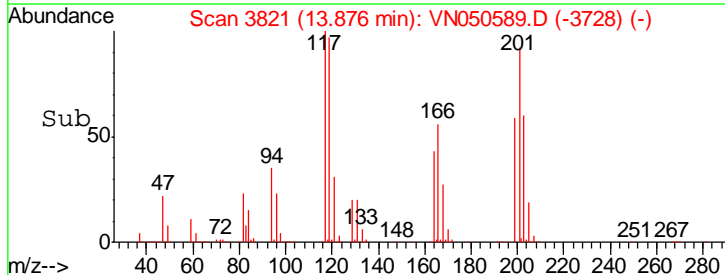
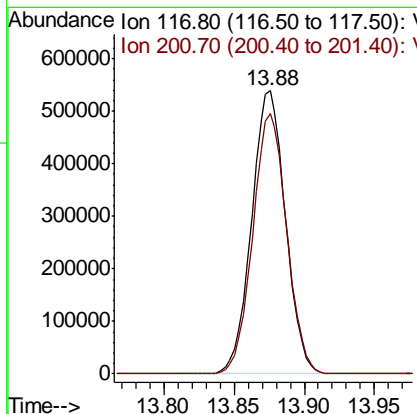
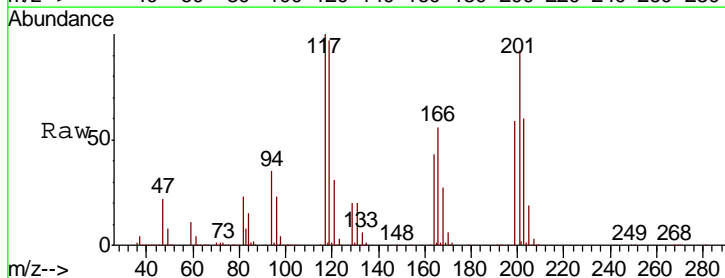
Manual Integrations
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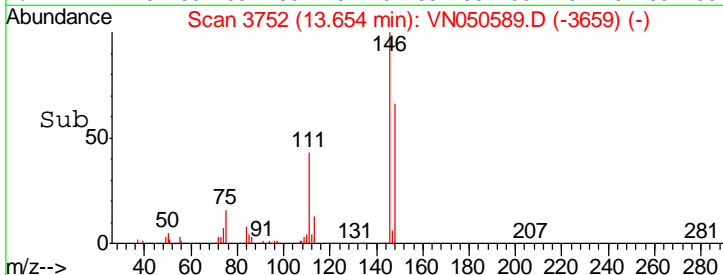
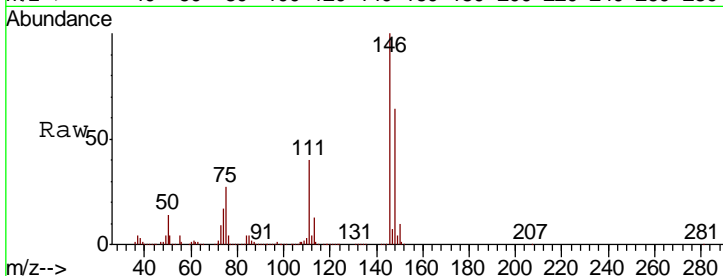
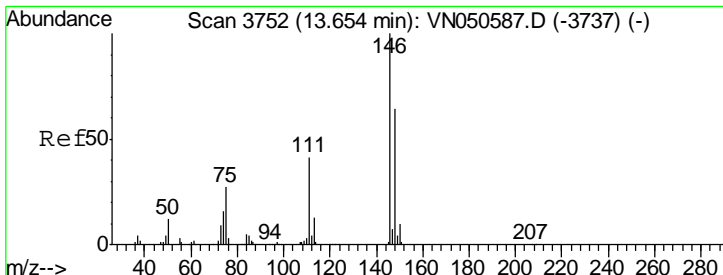
MMDadoda
 8/15/2018 3:21:47 PM



#90
 Hexachloroethane
 Concen: 153.21 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
117	904433		
201	92.2	45.5	136.5



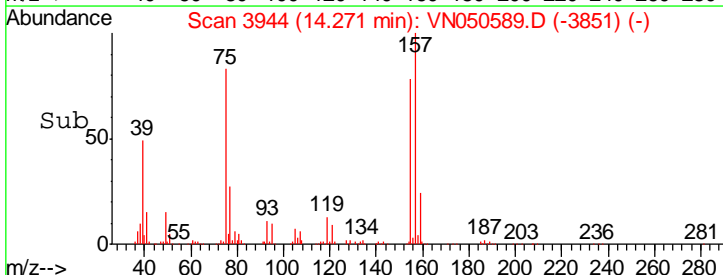
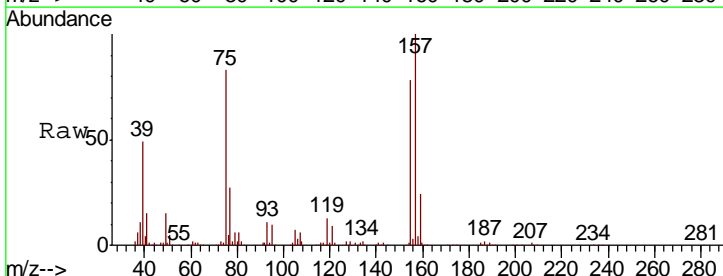
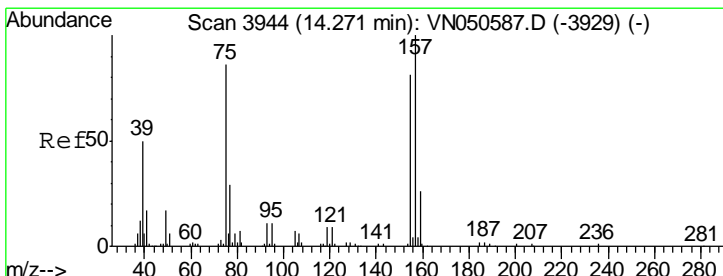
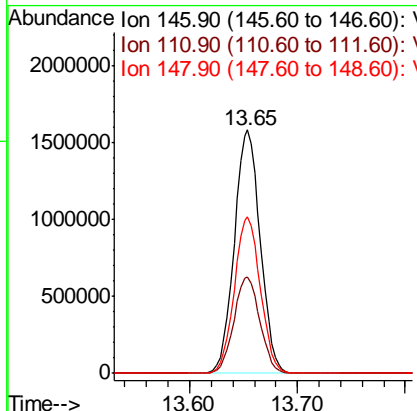


#91
 1,2-Dichlorobenzene
 Concen: 136.71 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.3	32.3	96.8

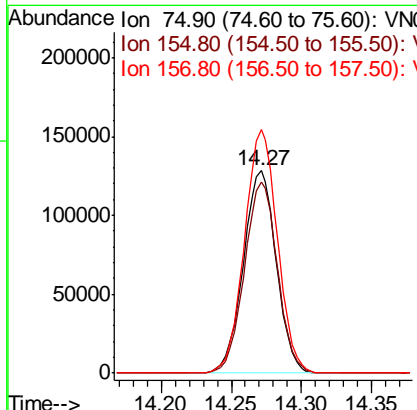
Instrument : MSVOA_N
 ClientSampled : VSTDIC150

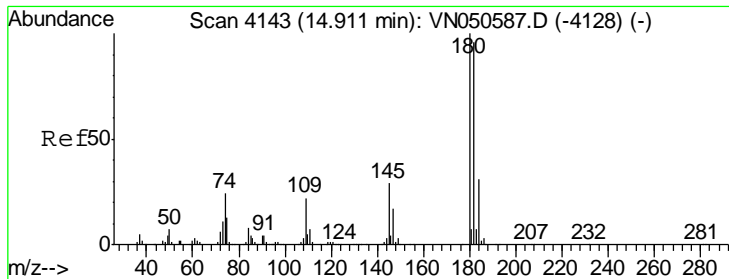
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 109.33 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
75	100		
155	94.4	46.6	139.8
157	120.2	58.1	174.2





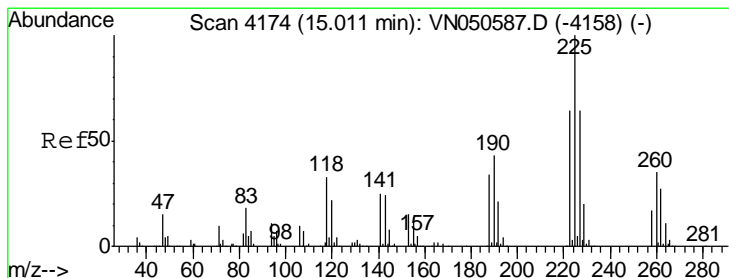
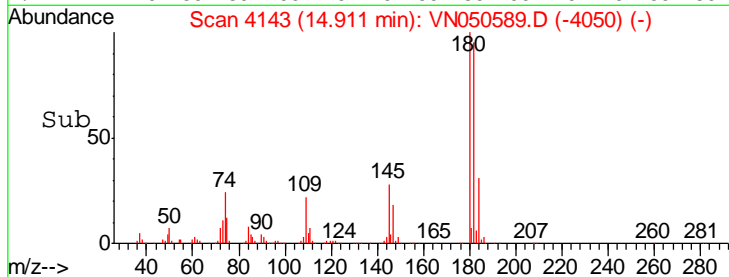
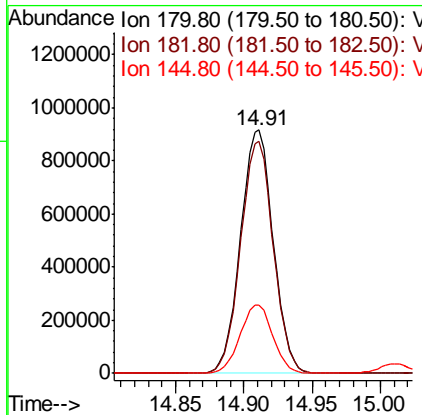
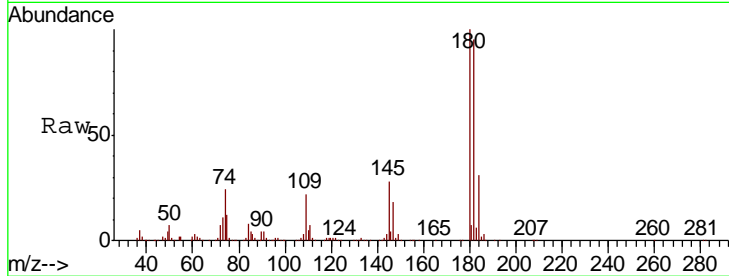
#93
 1,2,4-Trichlorobenzene
 Concen: 156.68 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	28.3	14.4	43.4

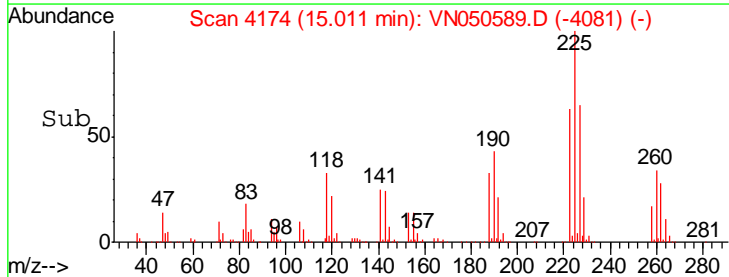
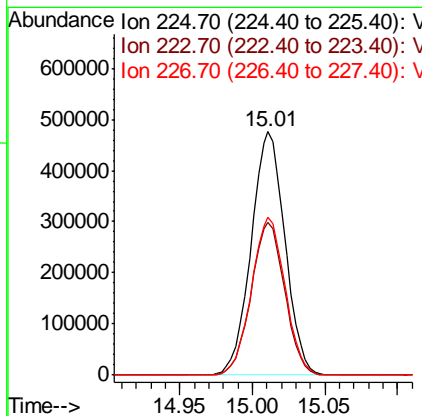
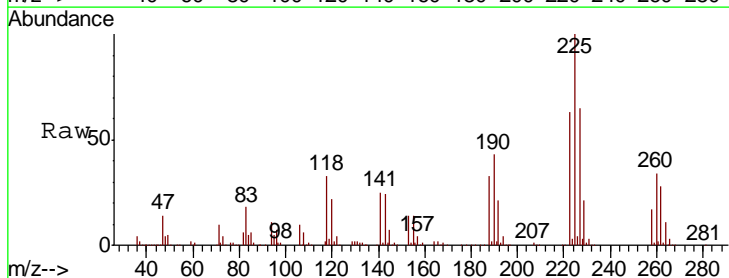
Manual Integrations
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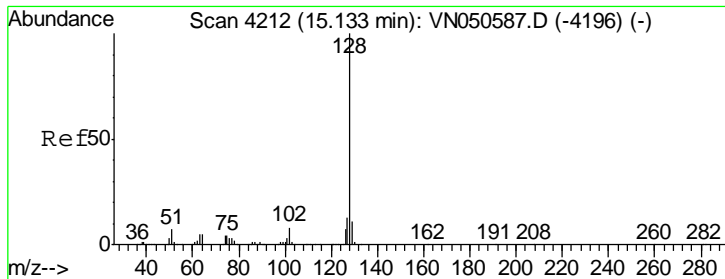
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#94
 Hexachlorobutadiene
 Concen: 109.07 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.3	32.1	96.3
227	64.5	32.0	96.2





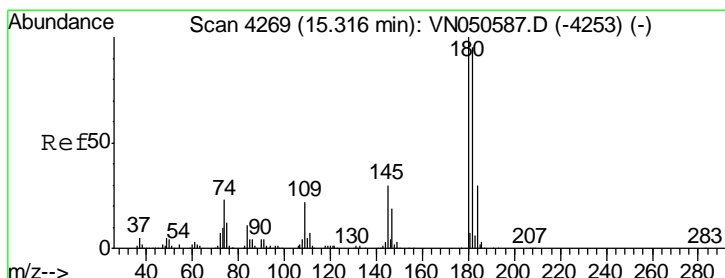
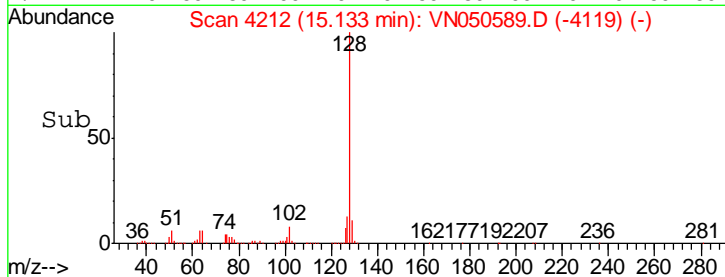
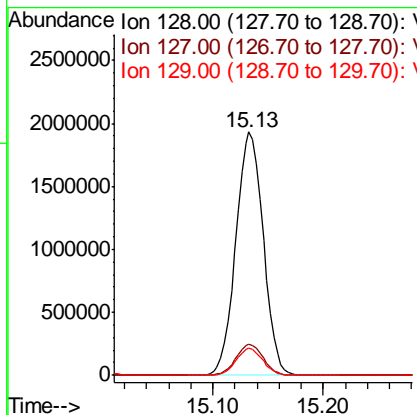
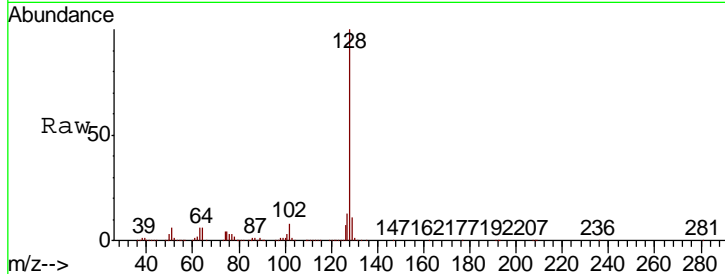
#95
 Naphthalene
 Concen: 151.07 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.5	12.7

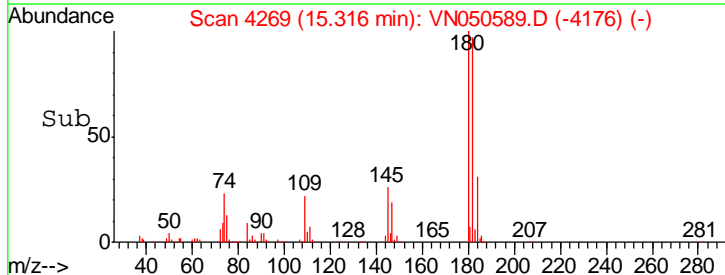
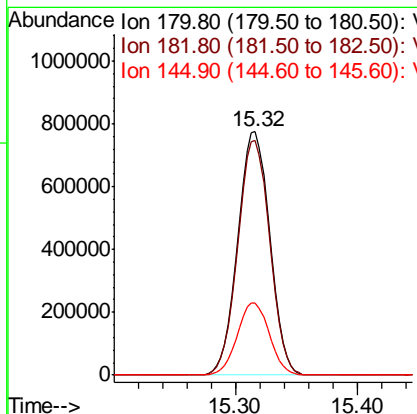
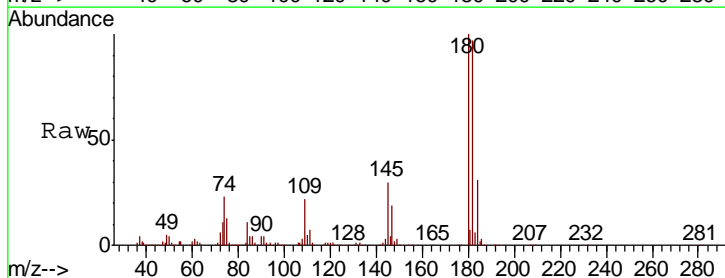
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#96
 1,2,3-Trichlorobenzene
 Concen: 142.94 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.3	47.3	141.8
145	29.7	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Manual Integrations
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MMDadoda
 8/15/2018 3:21:52 PM

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	702148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1035623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	946954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	494601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	437998	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.59	113	413918	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	10.09	98	1589199	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.40	95	538560	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	373936	47.24	ug/l	98
3) Chloromethane	2.06	50	504366	52.31	ug/l	99
4) Vinyl Chloride	2.18	62	493145	46.90	ug/l	99
5) Bromomethane	2.56	94	285272	50.50	ug/l	99
6) Chloroethane	2.70	64	293324	50.20	ug/l	99
7) Trichlorofluoromethane	3.01	101	638151	46.25	ug/l	99
8) Diethyl Ether	3.41	74	224668	48.95	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	388708	46.59	ug/l	100
10) Methyl Iodide	3.95	142	328274	54.60	ug/l	98
11) Tert butyl alcohol	4.79	59	125011	258.68	ug/l	99
12) 1,1-Dichloroethene	3.73	96	371844	48.81	ug/l	99
13) Acrolein	3.61	56	45060	244.51	ug/l	96
14) Allyl chloride	4.32	41	578719	48.83	ug/l	99
15) Acrylonitrile	4.99	53	658680	248.16	ug/l	99
16) Acetone	3.82	43	553246	250.35	ug/l	99
17) Carbon Disulfide	4.05	76	1176420	49.07	ug/l	100
18) Methyl Acetate	4.33	43	308243	49.58	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1002064	51.68	ug/l	100
20) Methylene Chloride	4.55	84	426359	50.70	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	403053	48.80	ug/l	99
22) Diisopropyl ether	5.96	45	1249114	51.41	ug/l	99
23) Vinyl Acetate	5.90	43	4176633	262.78	ug/l	99
24) 1,1-Dichloroethane	5.85	63	739868	47.06	ug/l	99
25) 2-Butanone	6.84	43	894288	246.44	ug/l	100
26) 2,2-Dichloropropane	6.83	77	469932	44.66	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	451069	49.04	ug/l	100
28) Bromochloromethane	7.20	49	344527	48.15	ug/l	100
29) Tetrahydrofuran	7.21	42	484310	255.61	ug/l	100
30) Chloroform	7.37	83	742711	46.62	ug/l	99
31) Cyclohexane	7.65	56	673218	50.18	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	633675	47.25	ug/l	99
36) 1,1-Dichloropropene	7.79	75	579428	50.26	ug/l	100
37) Ethyl Acetate	6.93	43	335251	51.45	ug/l	99
38) Carbon Tetrachloride	7.78	117	569529	47.62	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Manual Integrations
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 8/15/2018 3:21:52 PM

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	627297	52.56	ug/l	100
40) Benzene	8.04	78	1730518	49.34	ug/l	99
41) Methacrylonitrile	7.18	41	186821	53.03	ug/l	97
42) 1,2-Dichloroethane	8.13	62	520078	48.38	ug/l	100
43) Isopropyl Acetate	8.17	43	591132	49.78	ug/l #	86
44) Trichloroethene	8.84	130	456509	48.59	ug/l	100
45) 1,2-Dichloropropane	9.12	63	452362	48.45	ug/l	100
46) Dibromomethane	9.21	93	264003	47.89	ug/l	97
47) Bromodichloromethane	9.40	83	565049	47.95	ug/l	100
48) Methyl methacrylate	9.20	41	295266	49.41	ug/l	99
49) 1,4-Dioxane	9.20	88	79565	1010.71	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2050752	255.33	ug/l	99
52) Toluene	10.16	92	1071866	51.19	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	565614	51.53	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	651132	51.71	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	378523	48.39	ug/l	99
56) Ethyl methacrylate	10.43	69	482801	48.44	ug/l	99
57) 1,3-Dichloropropane	10.71	76	636170	49.60	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1157623	242.50	ug/l	100
59) 2-Hexanone	10.75	43	1355784	261.54	ug/l	99
60) Dibromochloromethane	10.90	129	435527	50.44	ug/l	99
61) 1,2-Dibromoethane	11.01	107	378743	50.84	ug/l	100
64) Tetrachloroethene	10.63	164	420402	47.80	ug/l	98
65) Chlorobenzene	11.44	112	1178712	50.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	431324	48.82	ug/l	99
67) Ethyl Benzene	11.51	91	2025829	53.24	ug/l	100
68) m/p-Xylenes	11.62	106	1560505	107.22	ug/l	100
69) o-Xylene	11.95	106	749157	53.98	ug/l	100
70) Styrene	11.96	104	1240103	50.24	ug/l	99
71) Bromoform	12.13	173	298040	50.88	ug/l #	99
73) Isopropylbenzene	12.25	105	1988649	51.46	ug/l	100
74) N-amyl acetate	12.07	43	519294	51.65	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	463732	51.77	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	410980m	51.46	ug/l	
77) Bromobenzene	12.53	156	507821	48.40	ug/l	99
78) n-propylbenzene	12.59	91	2258868	52.42	ug/l	99
79) 2-Chlorotoluene	12.68	91	1348415	50.19	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1617221	52.27	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	111316	50.04	ug/l	98
82) 4-Chlorotoluene	12.77	91	1373986	51.75	ug/l	99
83) tert-Butylbenzene	12.99	119	1396484	52.00	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1660794	53.48	ug/l	100
85) sec-Butylbenzene	13.17	105	1837115	52.34	ug/l	99
86) p-Isopropyltoluene	13.29	119	1612075	54.21	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	892654	49.98	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	871943	49.19	ug/l	99
89) n-Butylbenzene	13.62	91	1289745	53.71	ug/l	99
90) Hexachloroethane	13.88	117	284856	47.63	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	849220	48.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66936	48.55	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Manual Integrations
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 8/15/2018 3:21:52 PM

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	451997	50.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	260811	48.82	ug/l	99
95) Naphthalene	15.13	128	974862	51.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	431257	51.56	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

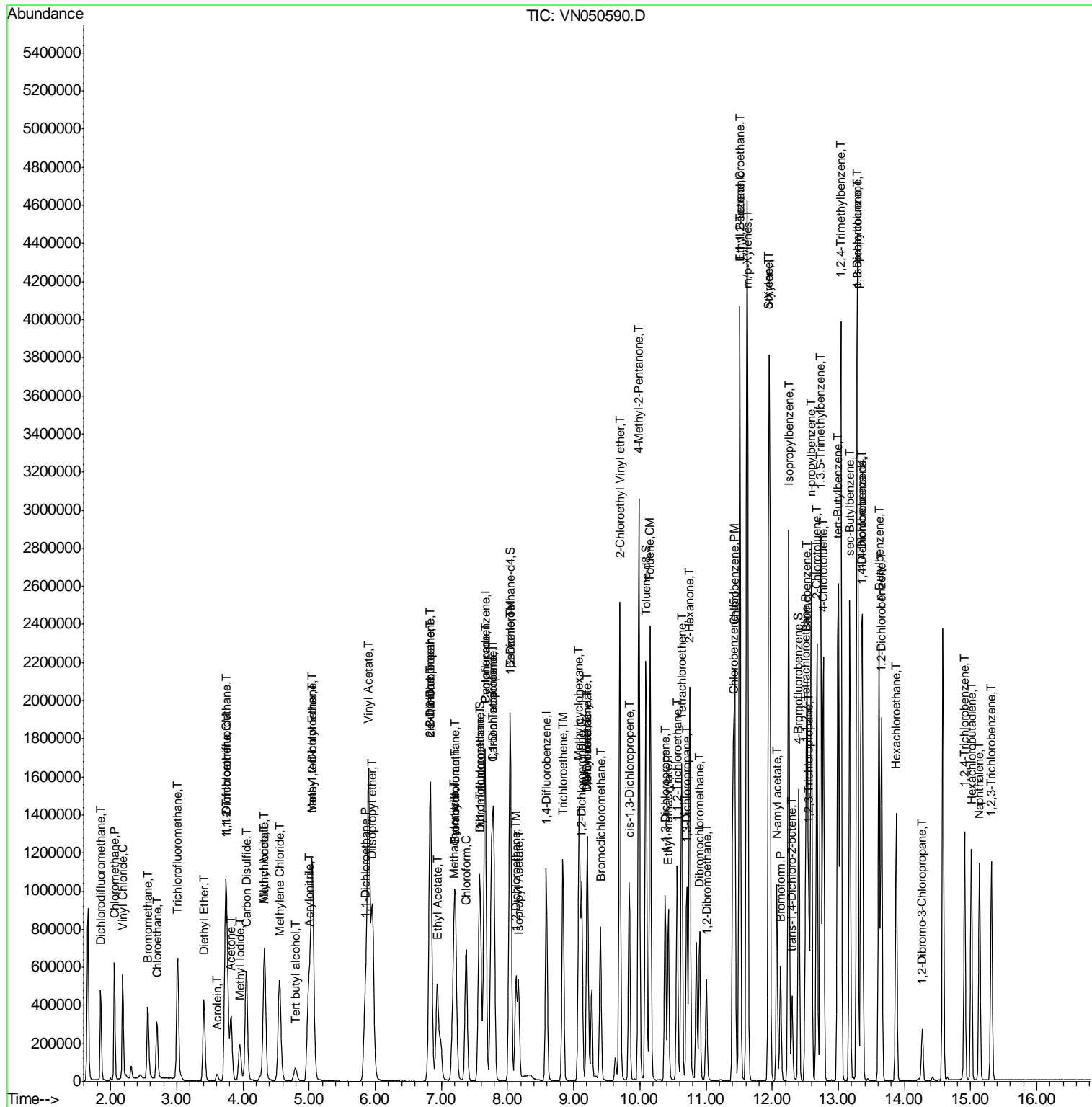
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 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

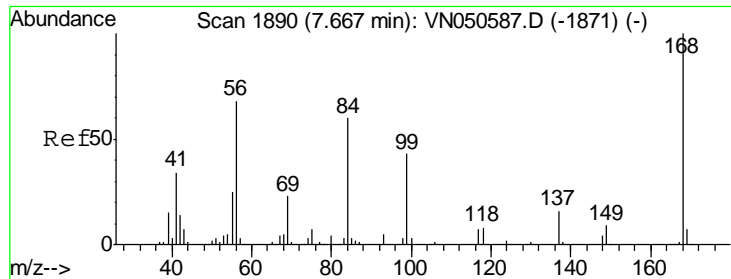
Manual Integrations APPROVED

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Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



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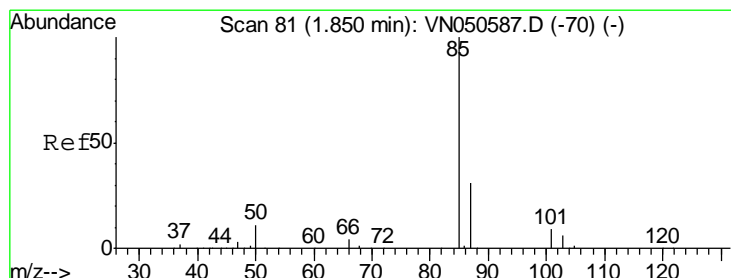
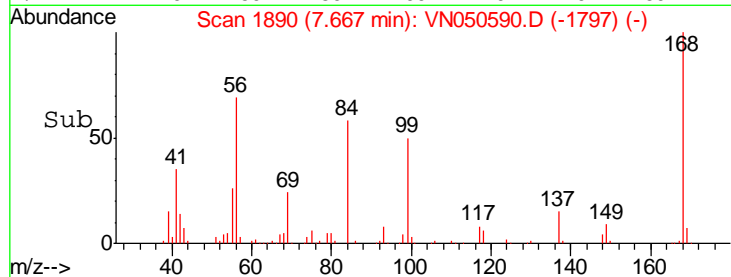
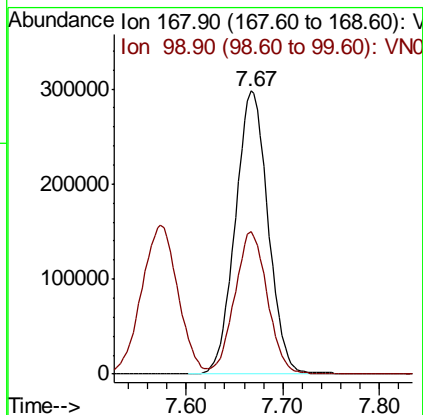
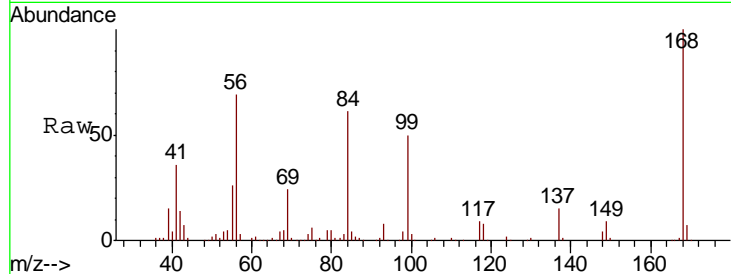
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.2	40.8	61.2

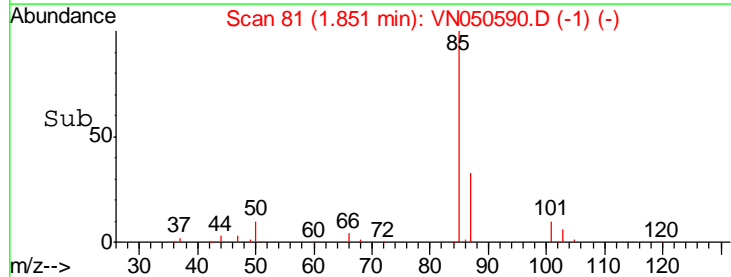
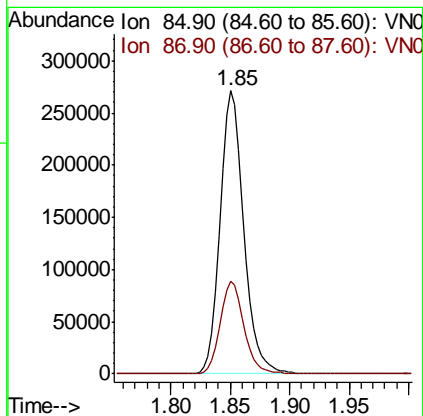
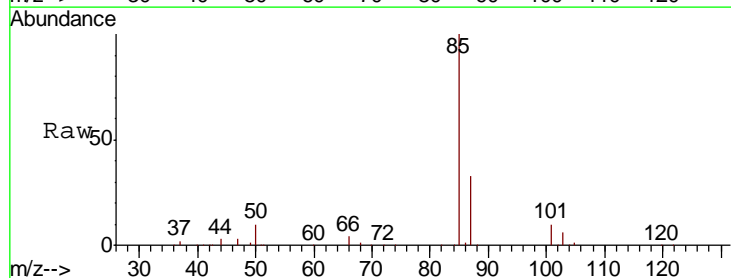
Manual Integrations
 APPROVED

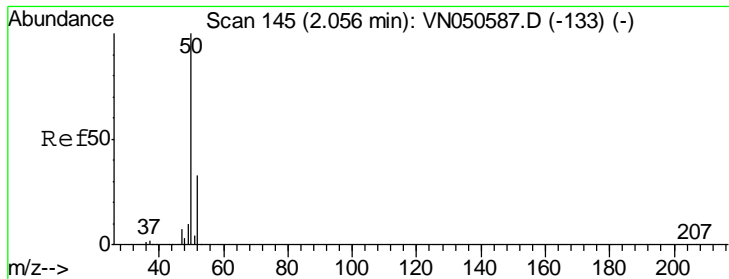
MMDadoda
 8/15/2018 3:21:52 PM



#2
 Dichlorodifluoromethane
 Concen: 47.24 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.8	15.8	47.3





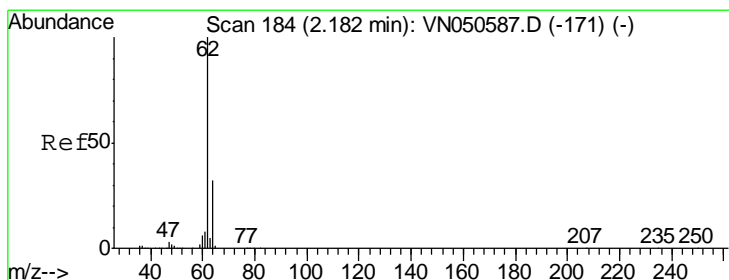
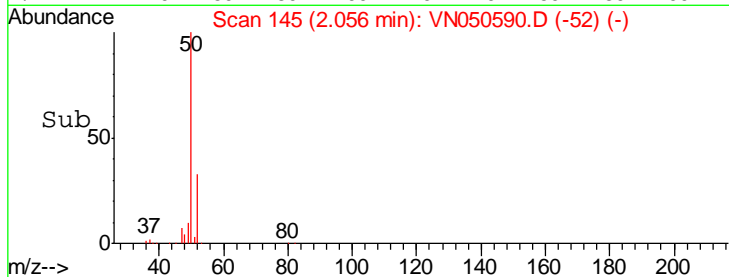
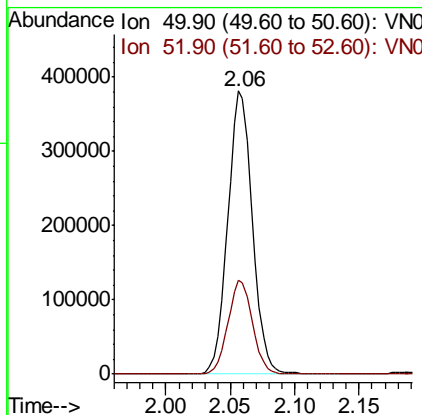
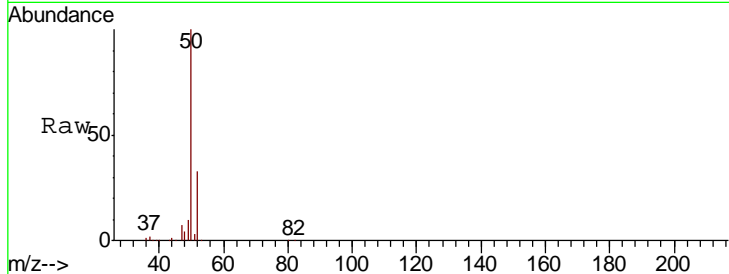
#3
 Chloromethane
 Concen: 52.31 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.1	26.0	39.0

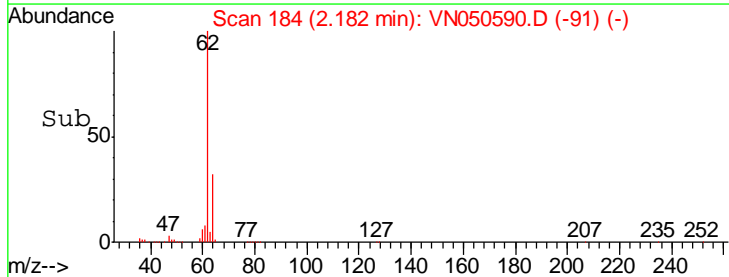
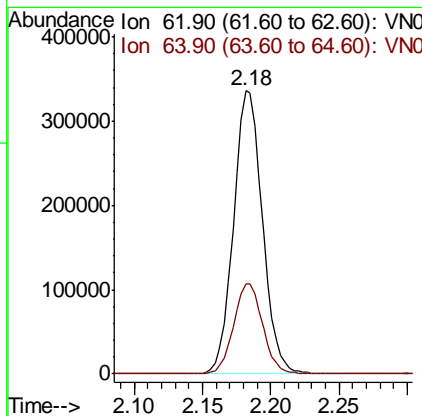
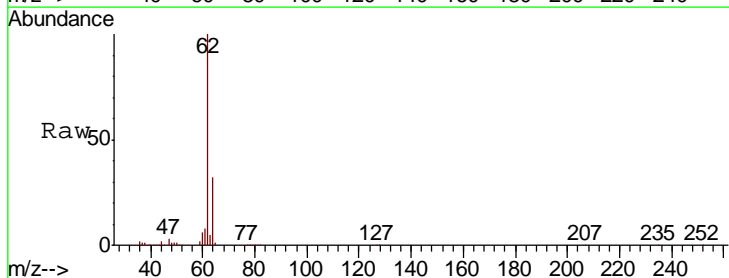
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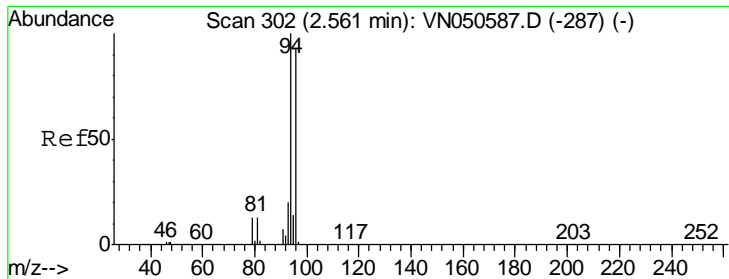
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#4
 Vinyl Chloride
 Concen: 46.90 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.8	25.2	37.8



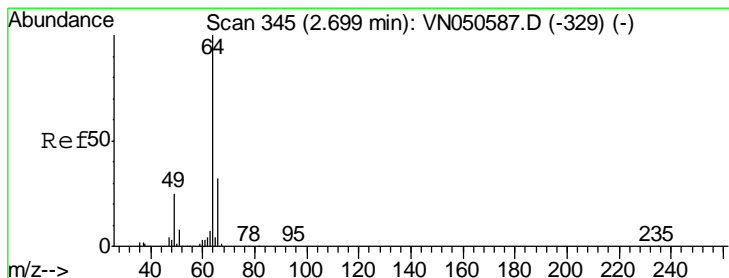
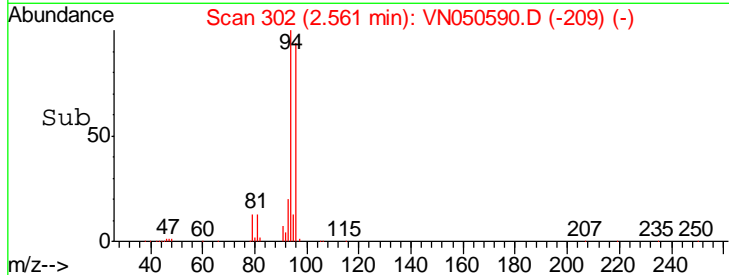
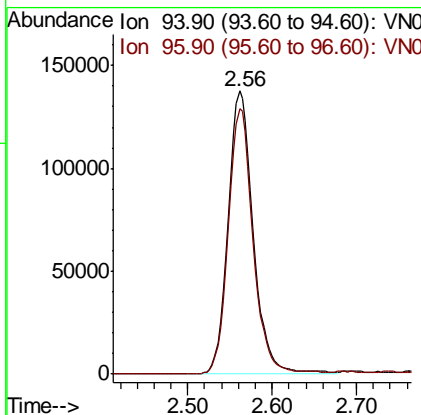
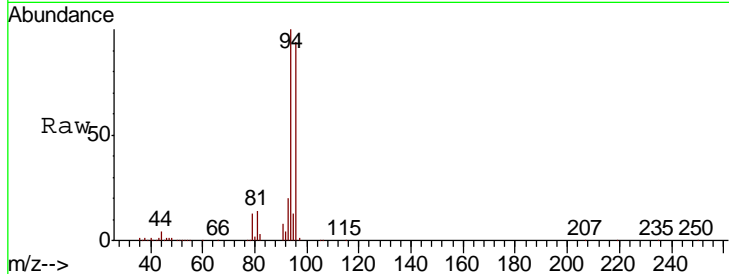


#5
 Bromomethane
 Concen: 50.50 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.8	74.0	111.0

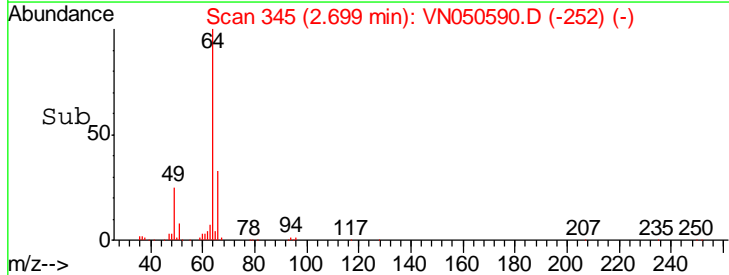
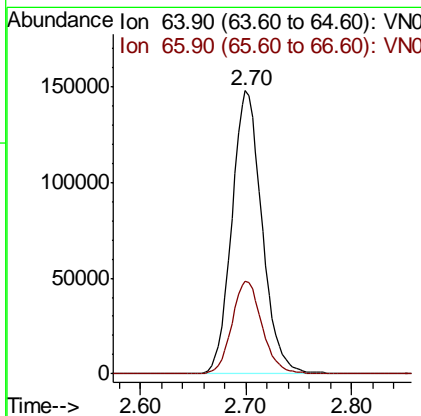
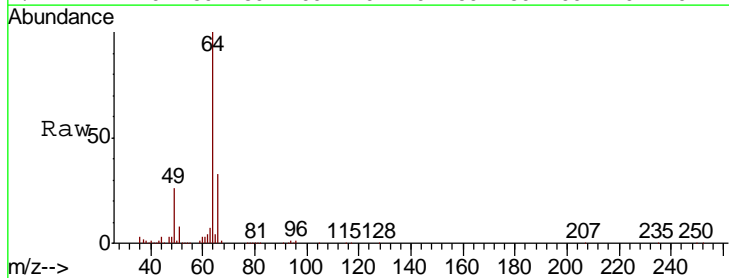
Instrument : MSVOA_N
 ClientSampled : ICVVN081418

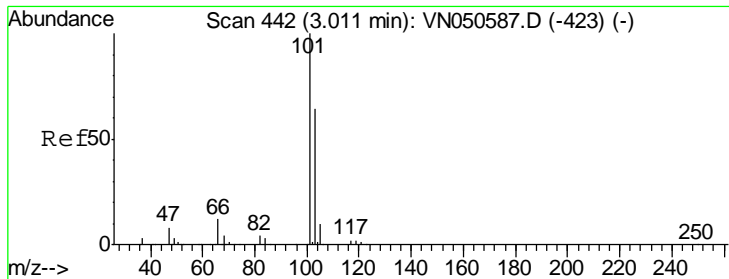
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#6
 Chloroethane
 Concen: 50.20 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.6	25.7	38.5





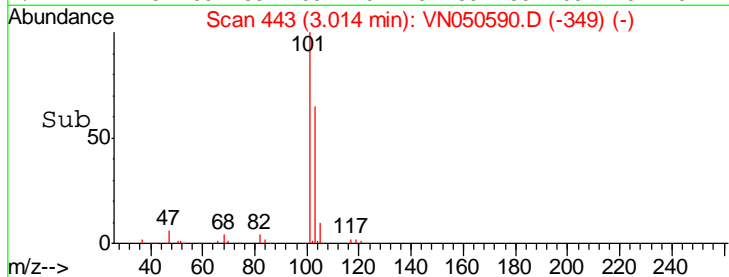
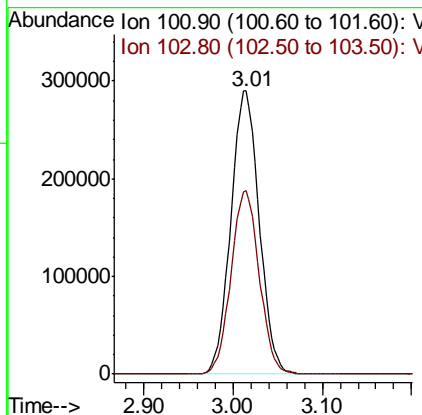
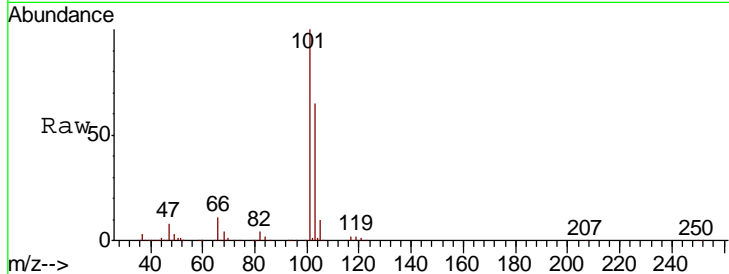
#7
 Trichlorofluoromethane
 Concen: 46.25 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
101	638151		
103	64.8	51.4	77.0

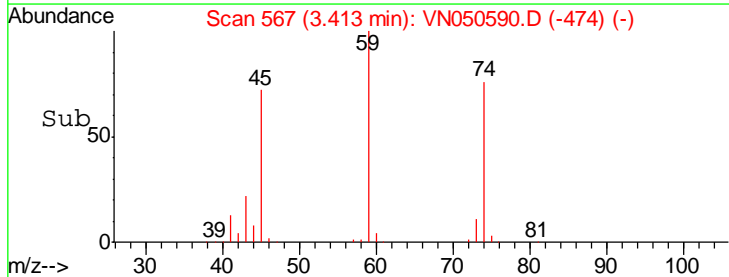
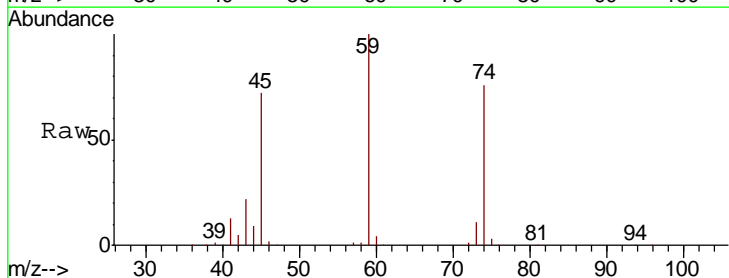
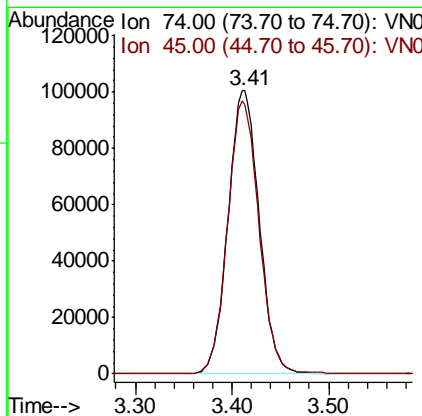
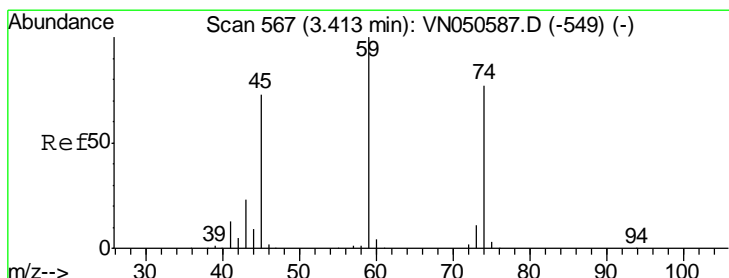
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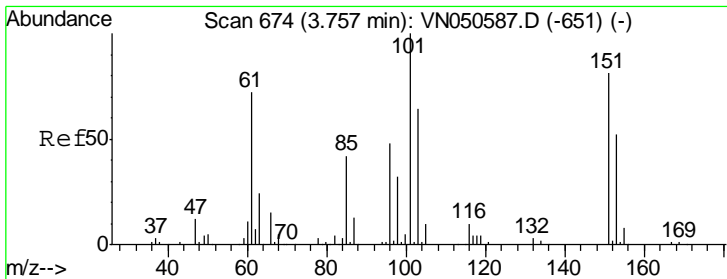
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#8
 Diethyl Ether
 Concen: 48.95 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

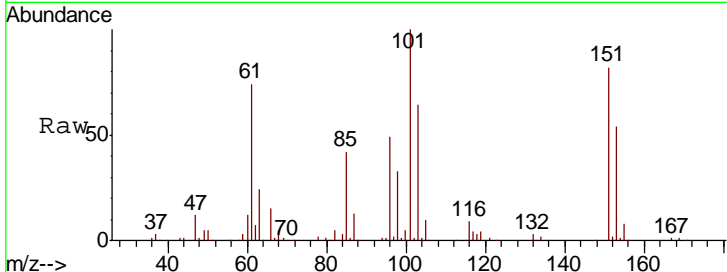
Tgt Ion	Resp	Lower	Upper
74	224668		
45	96.8	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.59 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

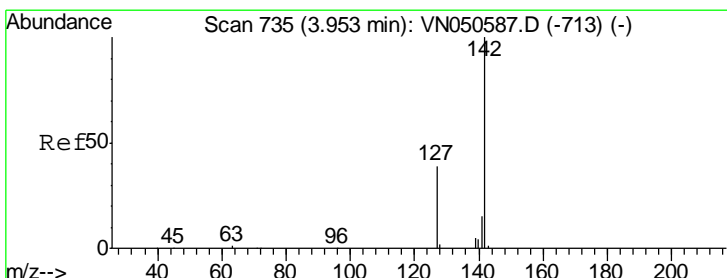
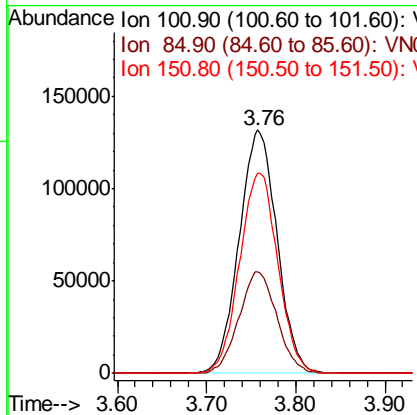
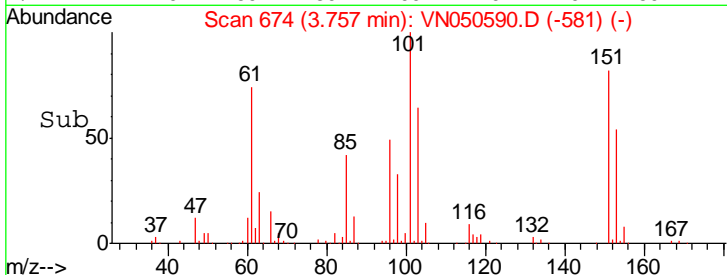


Tgt Ion: 101 Resp: 388708

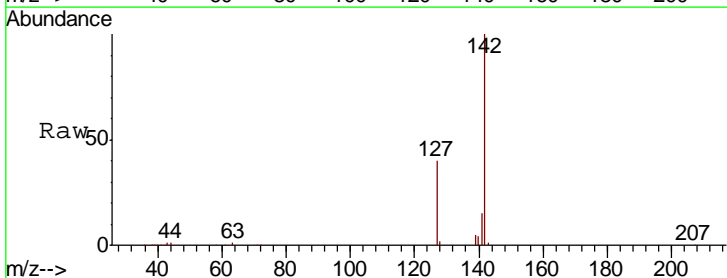
Ion	Ratio	Lower	Upper
101	100		
85	41.8	33.4	50.0
151	83.1	66.6	100.0

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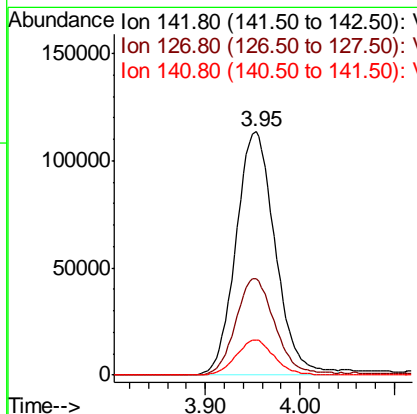
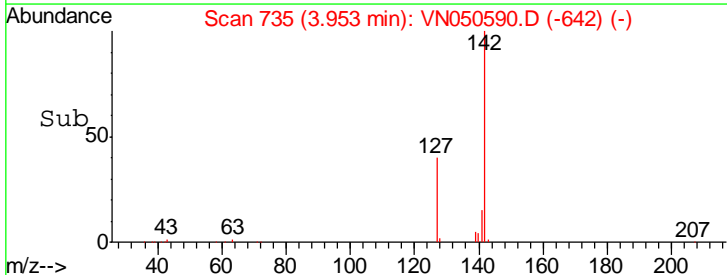


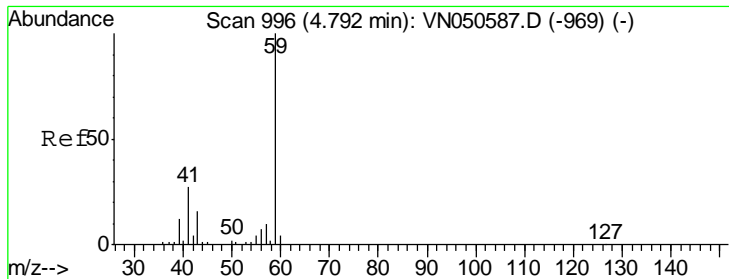
#10
 Methyl Iodide
 Concen: 54.60 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13



Tgt Ion: 142 Resp: 328274

Ion	Ratio	Lower	Upper
142	100		
127	39.6	32.6	49.0
141	14.0	11.5	17.3





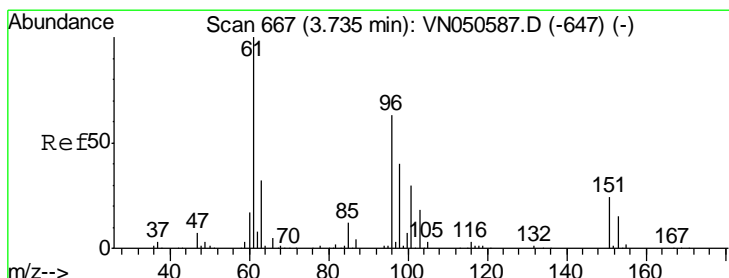
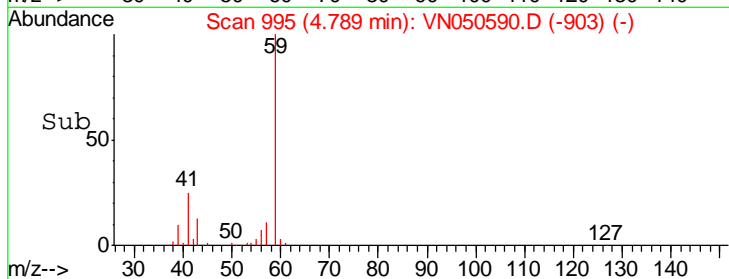
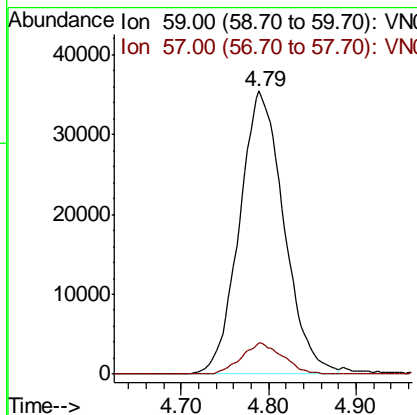
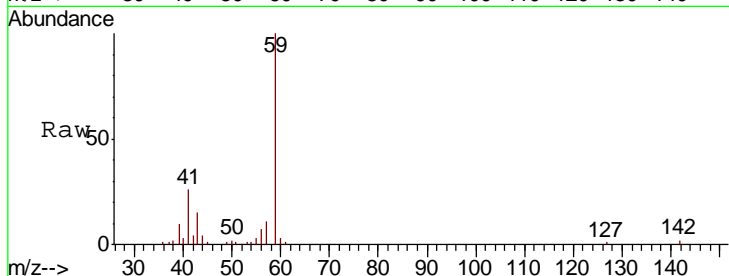
#11
 Tert butyl alcohol
 Concen: 258.68 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
59	125011		
57	10.2	8.4	12.6

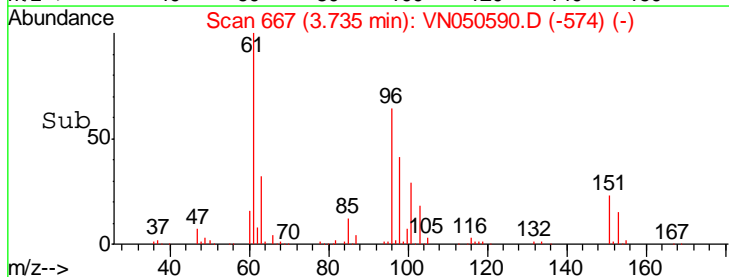
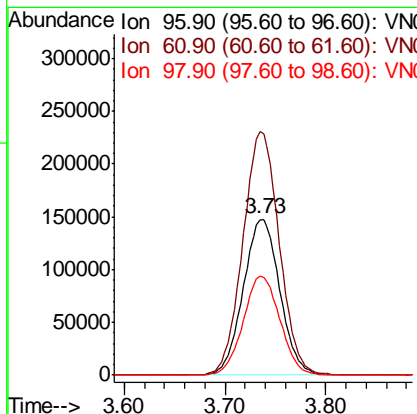
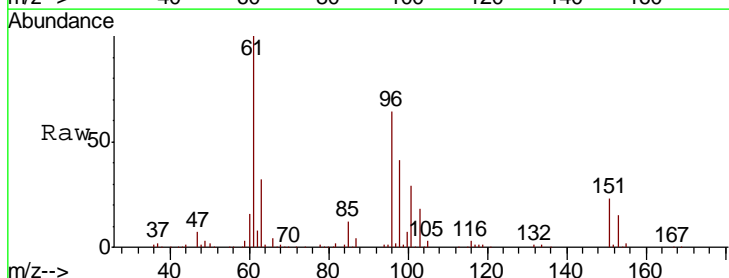
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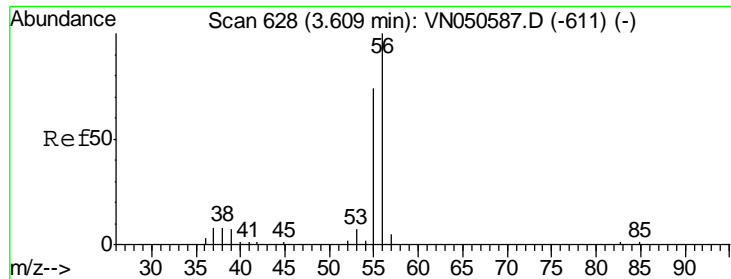
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#12
 1,1-Dichloroethene
 Concen: 48.81 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
96	371844		
61	156.7	126.9	190.3
98	63.9	51.1	76.7





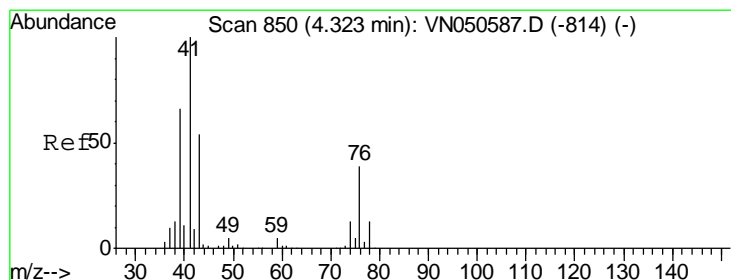
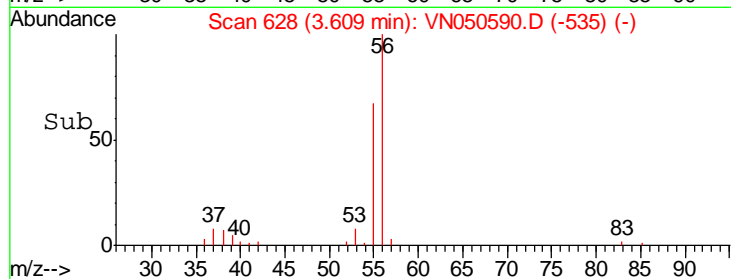
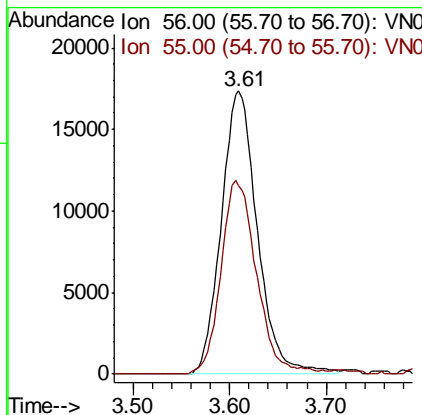
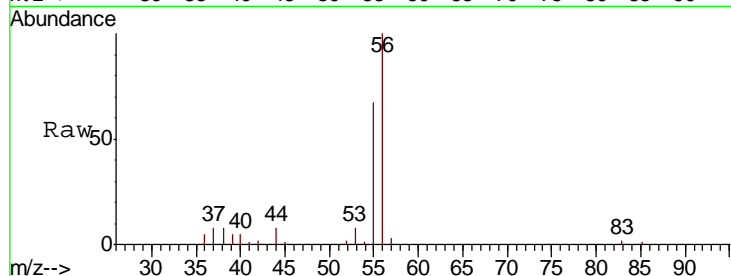
#13
 Acrolein
 Concen: 244.51 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
56	45060		
55	67.4	56.3	84.5

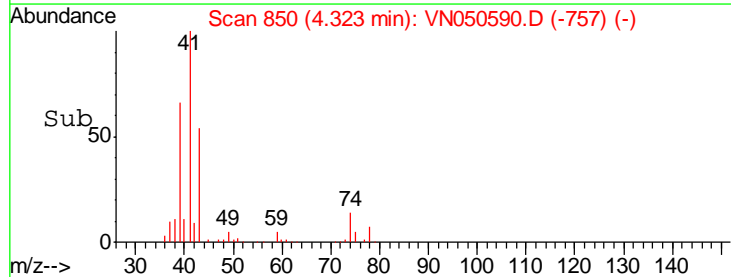
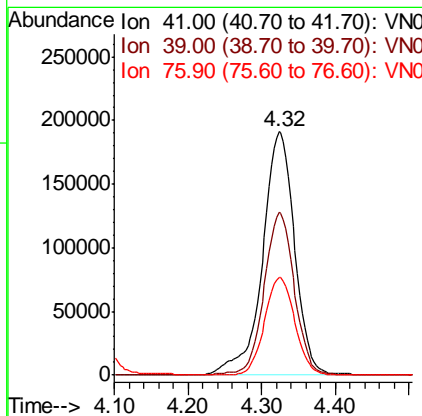
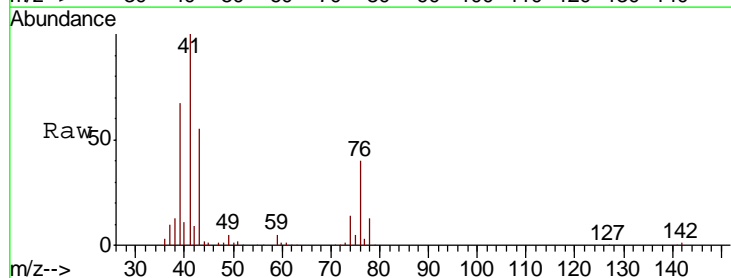
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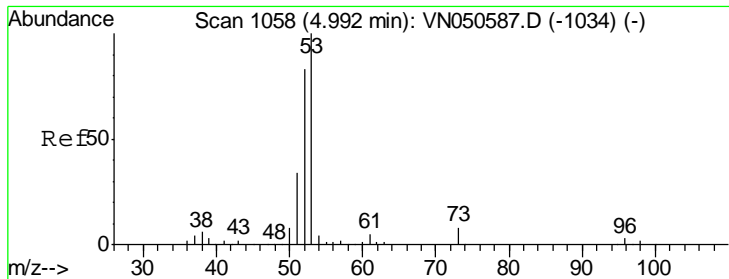
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#14
 Allyl chloride
 Concen: 48.83 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
41	578719		
39	63.2	51.4	77.0
76	37.6	29.4	44.0





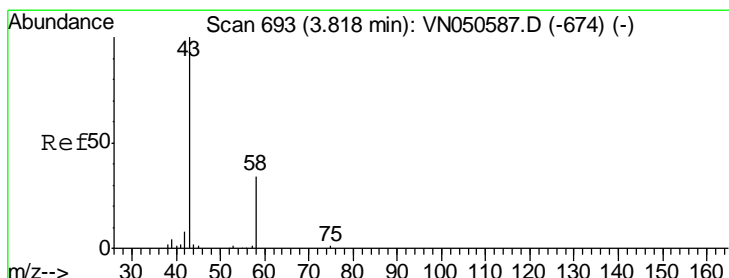
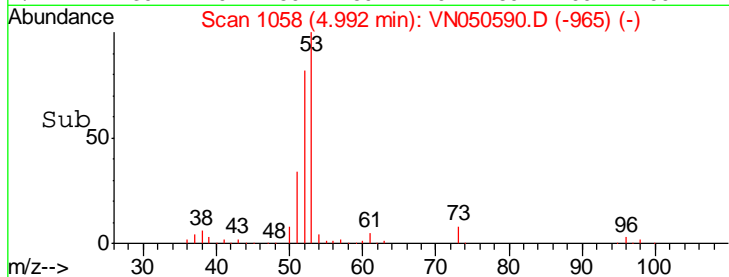
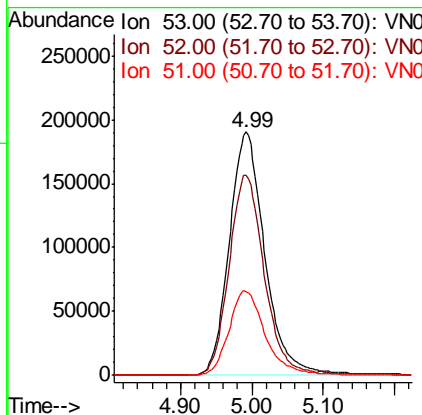
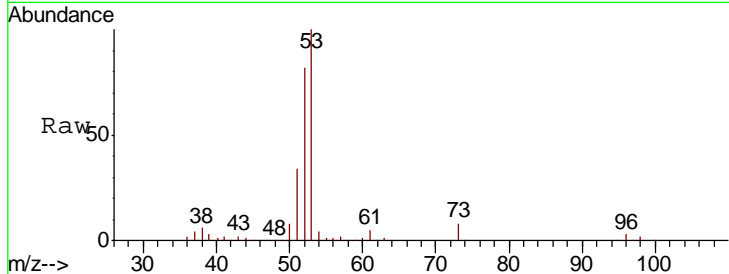
#15
 Acrylonitrile
 Concen: 248.16 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.3	66.2	99.2
51	35.8	28.6	43.0

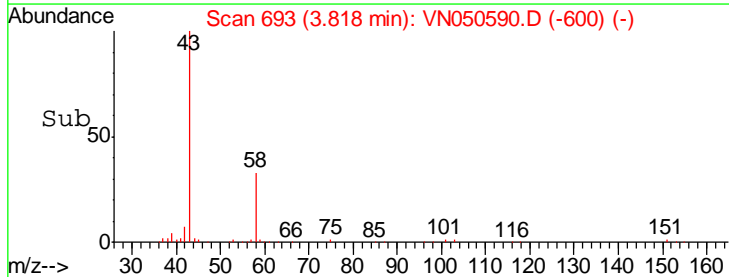
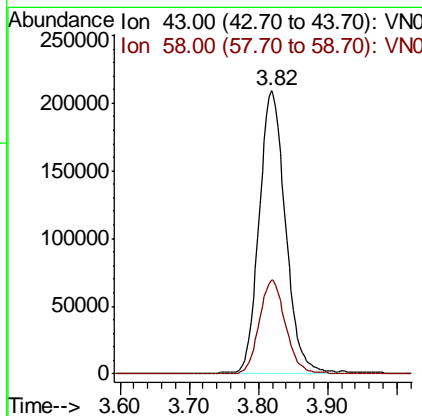
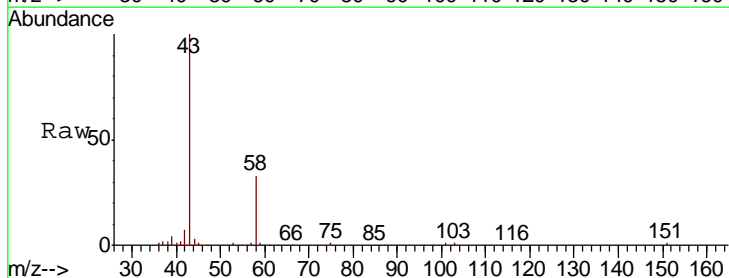
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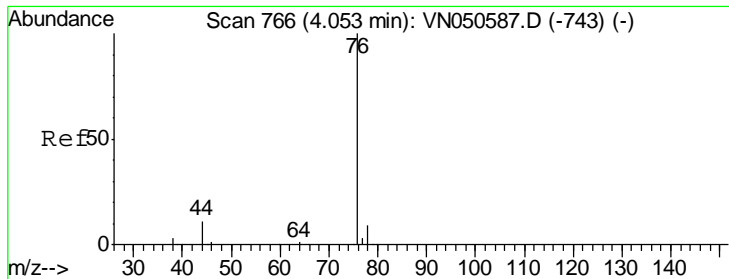
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#16
 Acetone
 Concen: 250.35 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.1	27.1	40.7





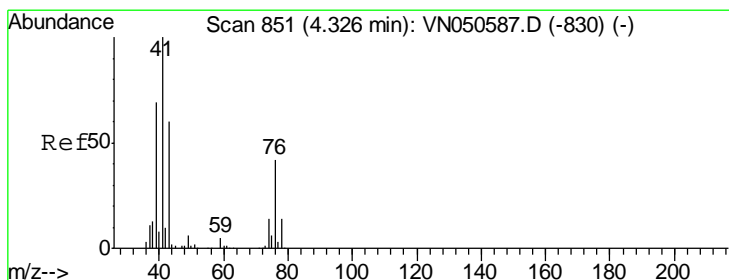
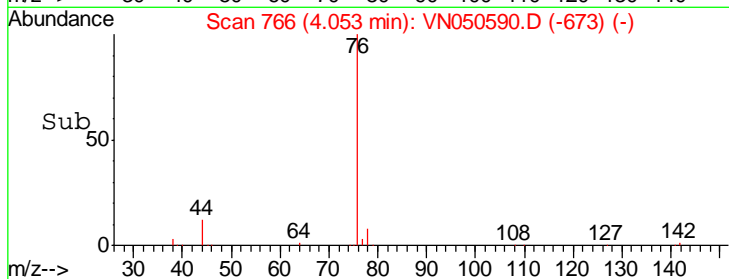
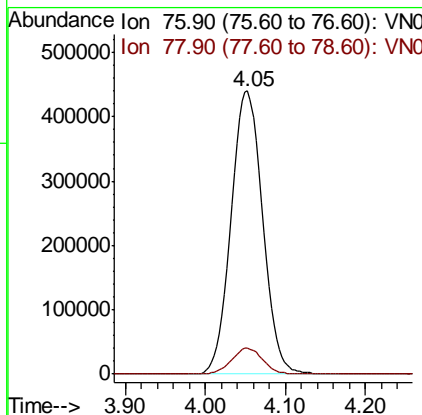
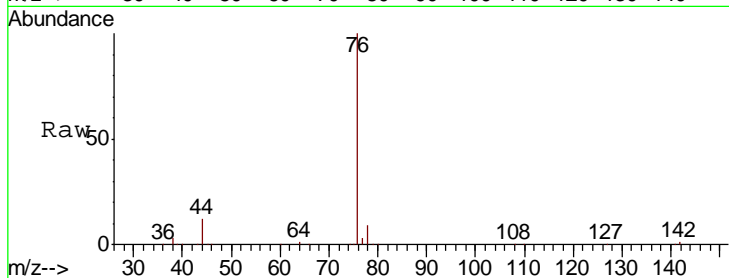
#17
 Carbon Disulfide
 Concen: 49.07 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
76	1176420		
76	100		
78	9.0	7.3	10.9

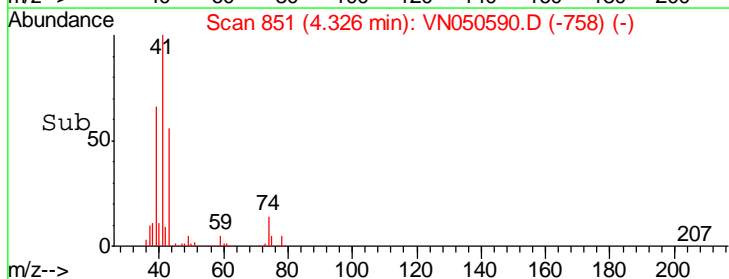
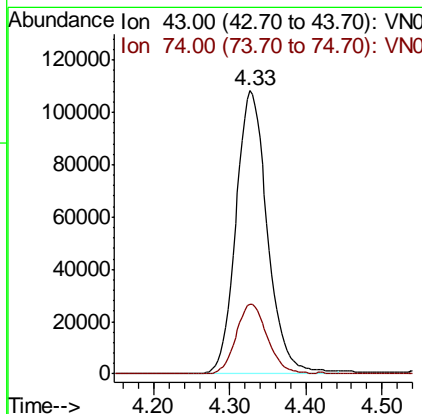
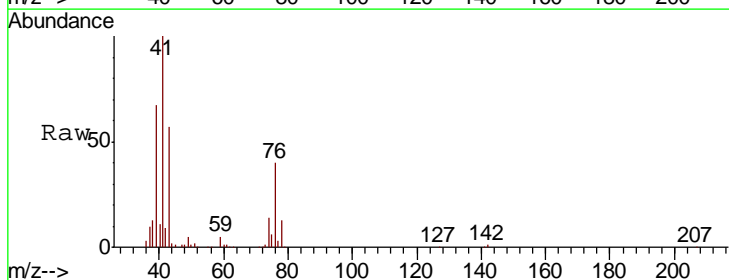
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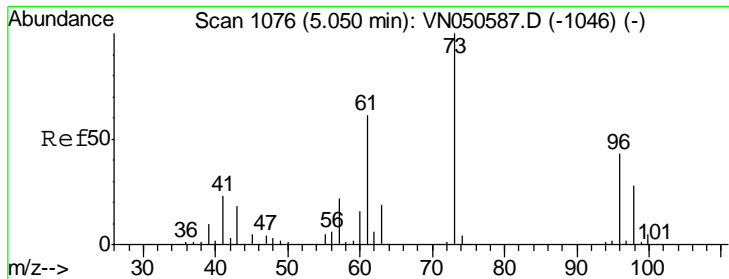
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#18
 Methyl Acetate
 Concen: 49.58 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
43	308243		
43	100		
74	24.8	19.7	29.5





#19
 Methyl tert-butyl Ether
 Concen: 51.68 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

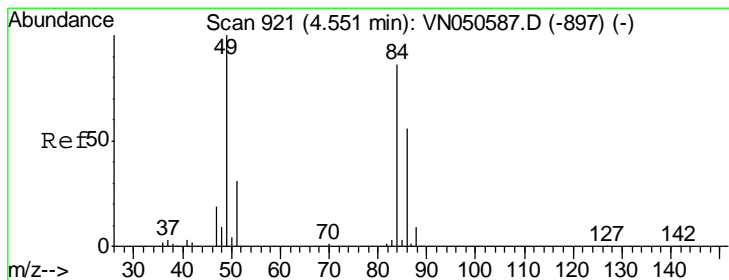
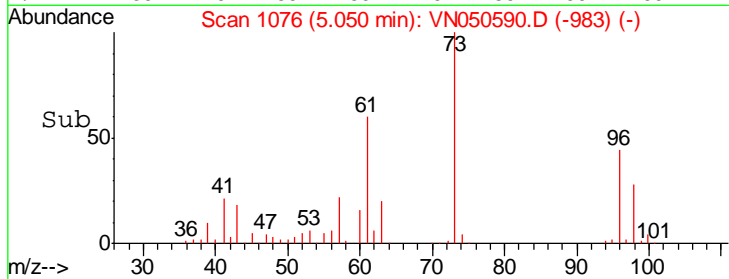
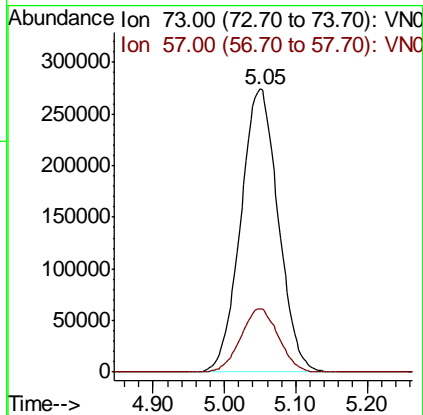
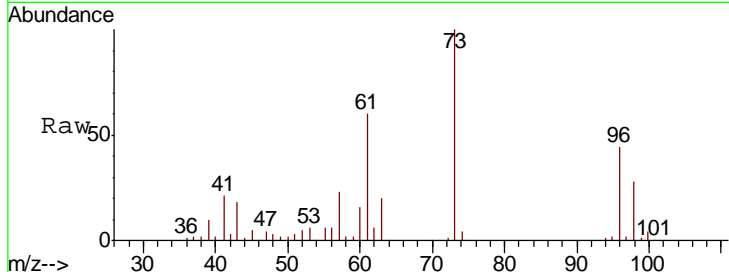
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion: 73 Resp: 1002064

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.9	26.9

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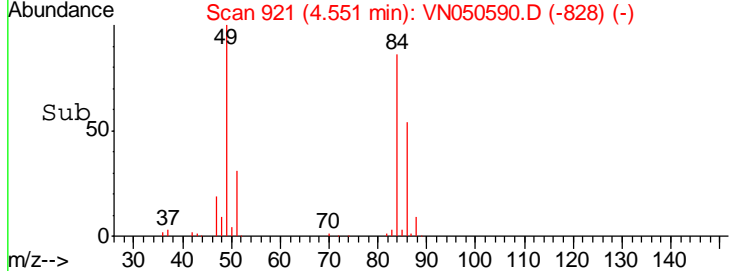
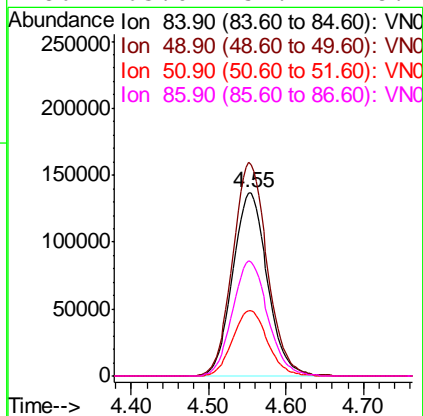
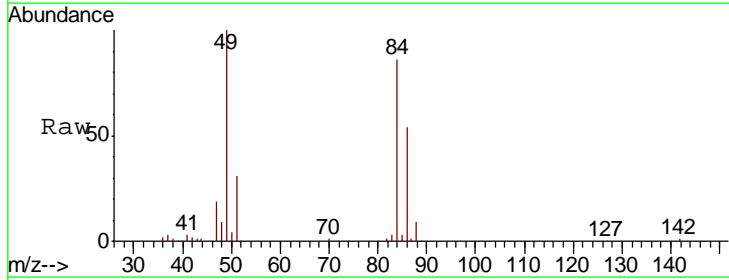
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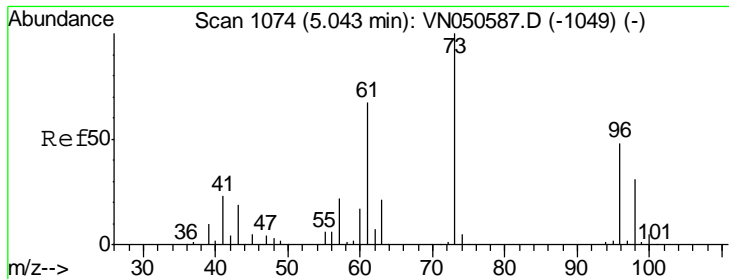


#20
 Methylene Chloride
 Concen: 50.70 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion: 84 Resp: 426359

Ion	Ratio	Lower	Upper
84	100		
49	116.3	92.6	138.8
51	35.5	28.6	43.0
86	63.0	52.2	78.2





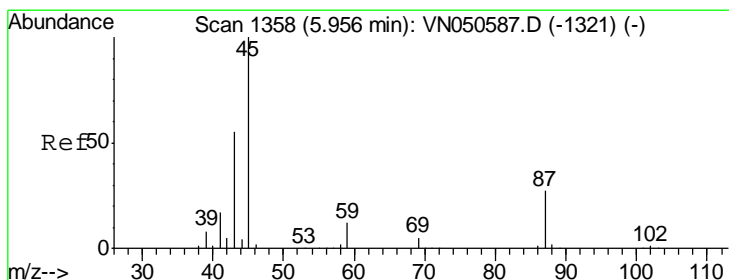
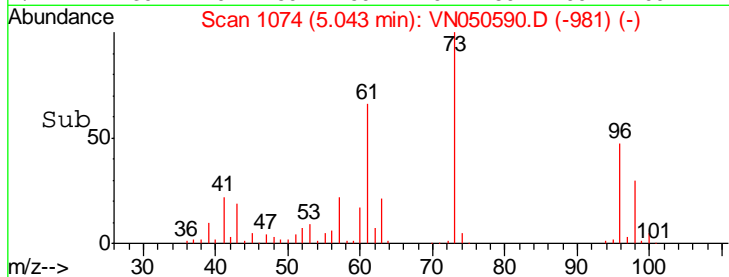
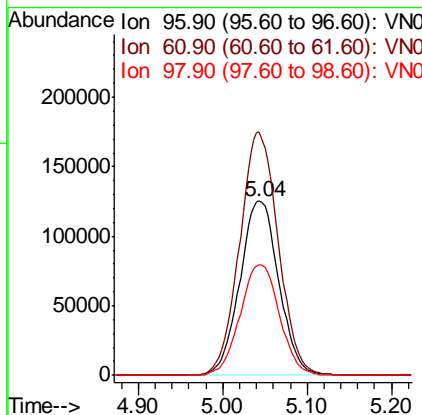
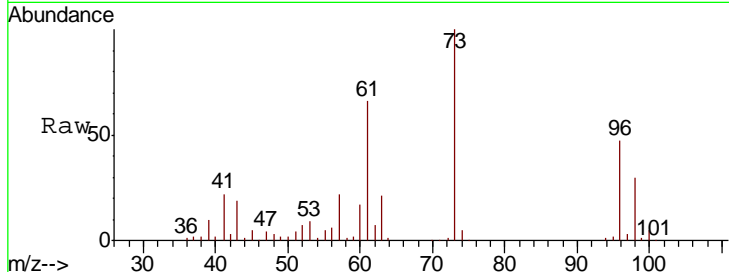
#21
 trans-1,2-Dichloroethene
 Concen: 48.80 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
96	403053		
96	100		
61	139.9	111.2	166.8
98	63.7	51.6	77.4

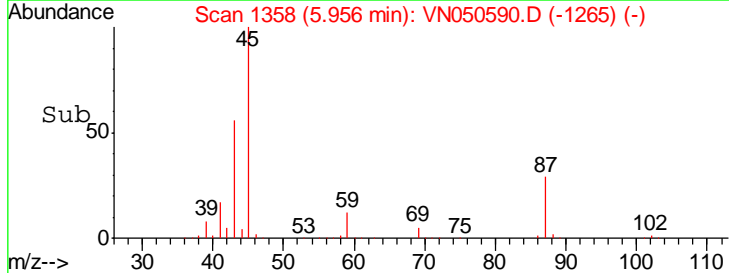
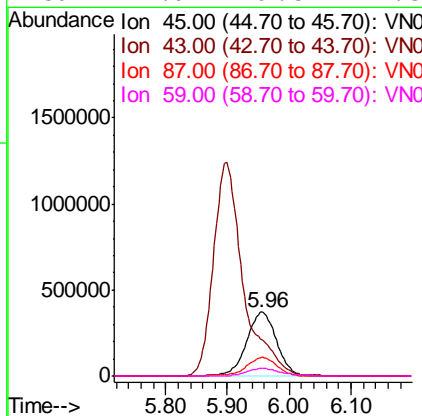
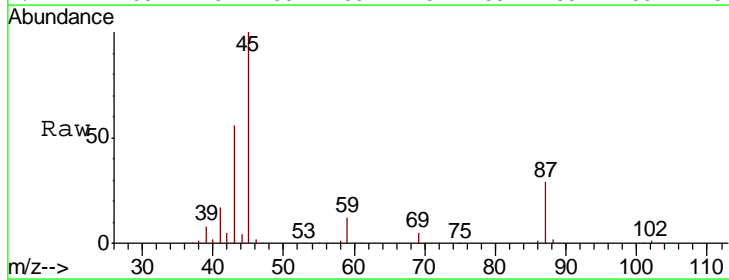
Manual Integrations
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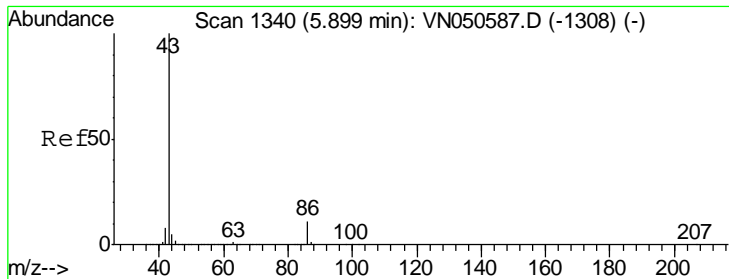
MMDadoda
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#22
 Diisopropyl ether
 Concen: 51.41 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
45	1249114		
45	100		
43	55.5	44.5	66.7
87	29.0	22.2	33.2
59	11.9	9.5	14.3





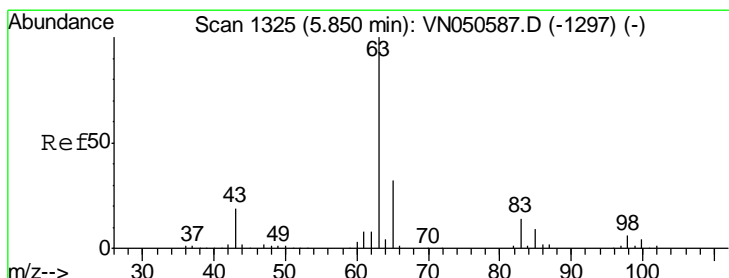
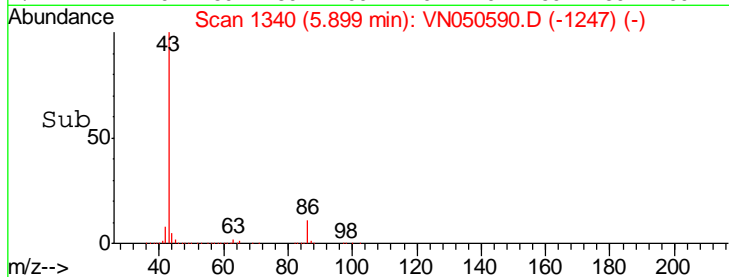
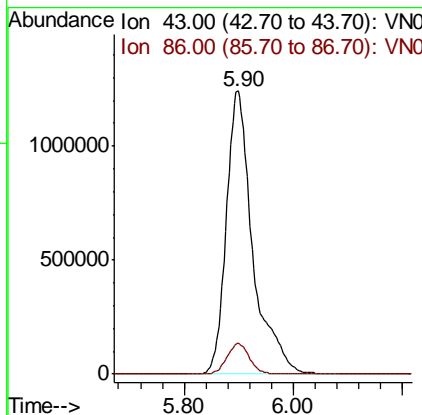
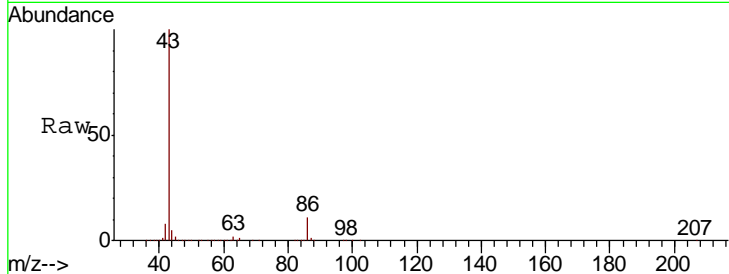
#23
 Vinyl Acetate
 Concen: 262.78 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.8	8.4	12.6

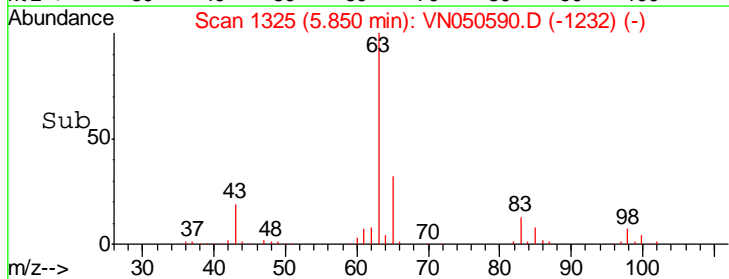
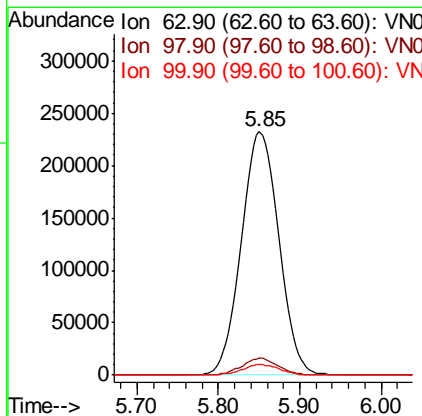
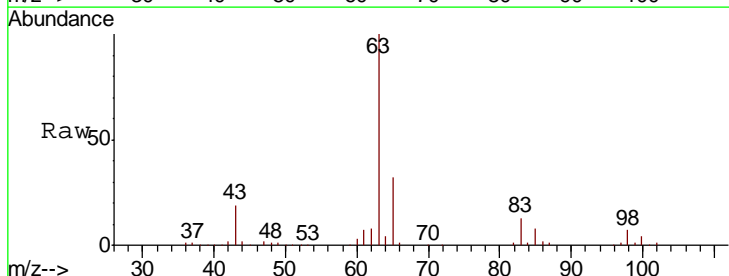
Manual Integrations
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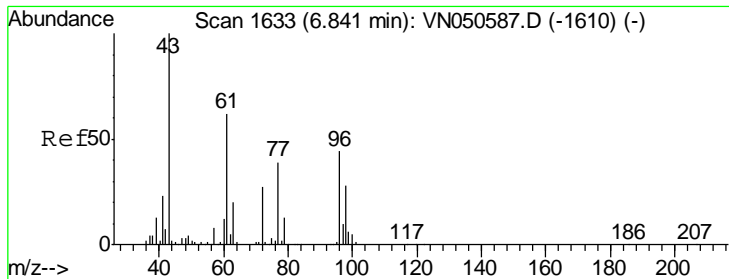
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#24
 1,1-Dichloroethane
 Concen: 47.06 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.8	3.2	9.6
100	4.2	2.1	6.5





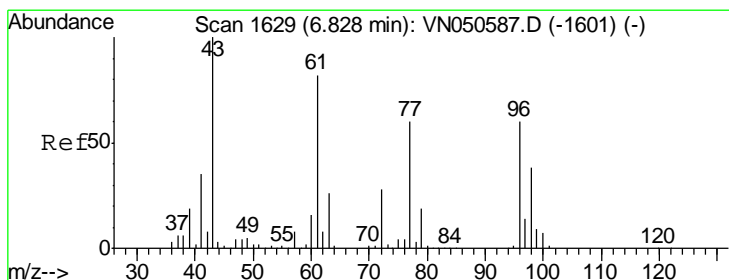
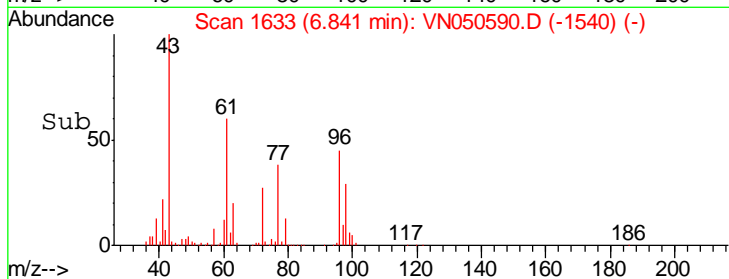
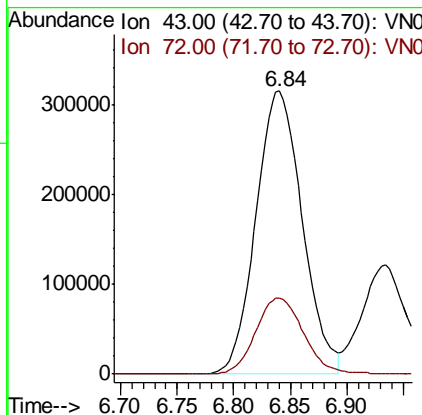
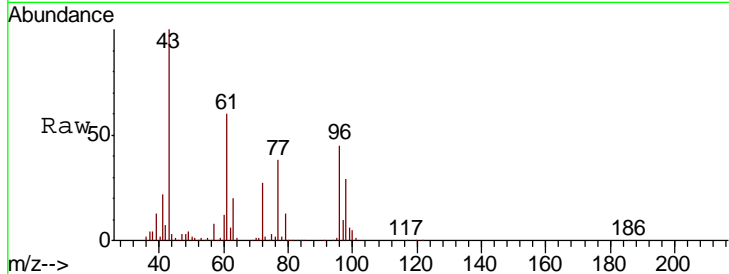
#25
 2-Butanone
 Concen: 246.44 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.0	21.8	32.6

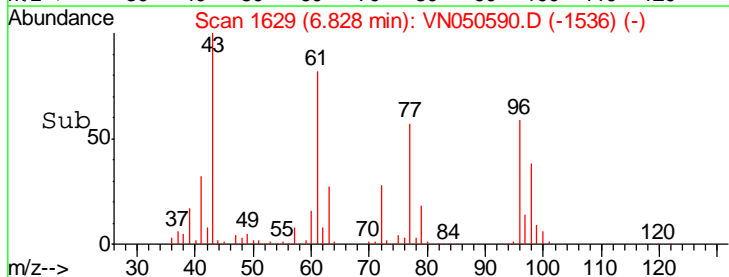
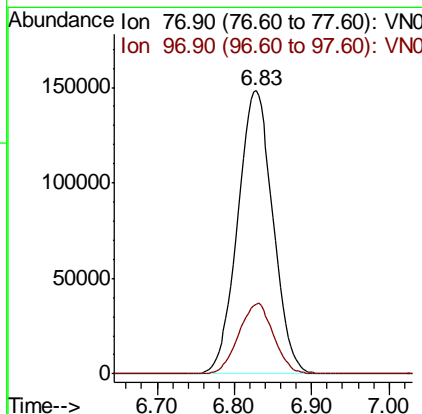
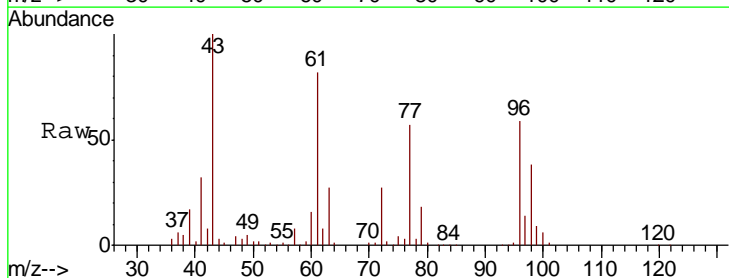
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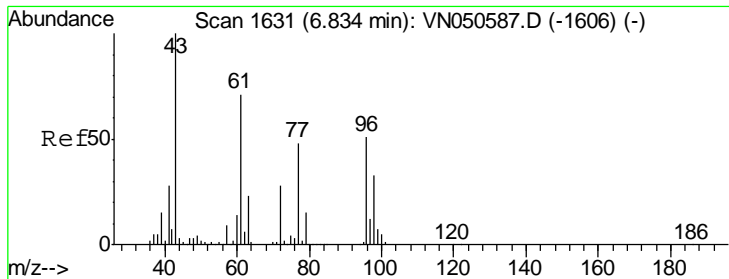
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#26
 2,2-Dichloropropane
 Concen: 44.66 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.6	12.2	36.4





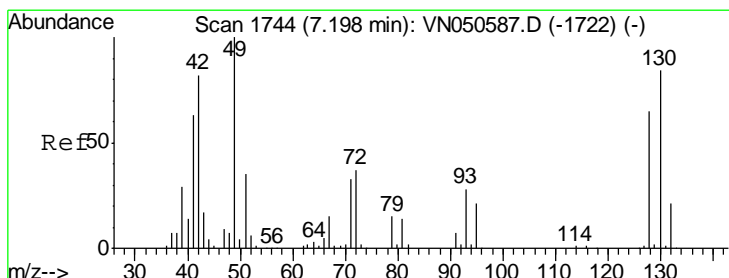
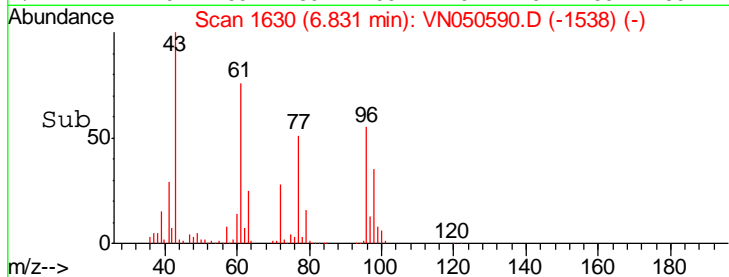
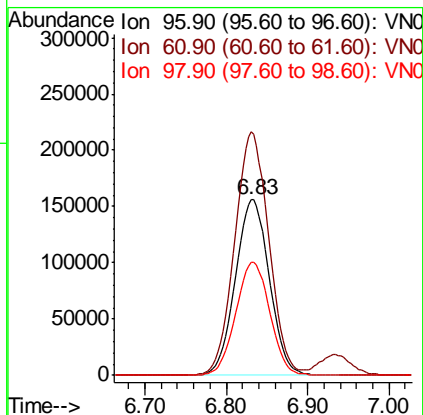
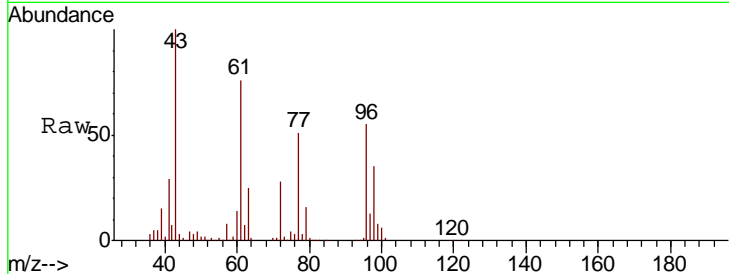
#27
 cis-1,2-Dichloroethene
 Concen: 49.04 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
96	451069		
96	100		
61	139.1	0.0	278.2
98	64.5	0.0	128.8

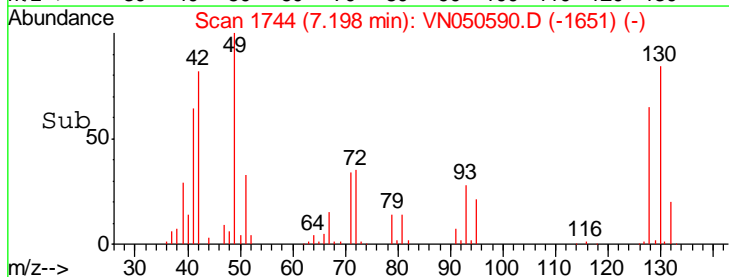
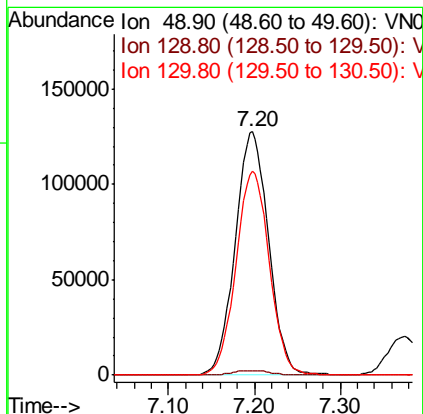
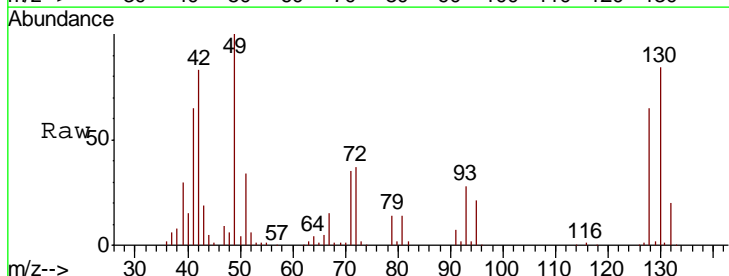
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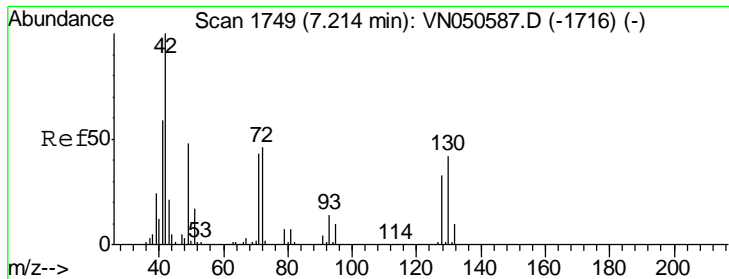
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#28
 Bromochloromethane
 Concen: 48.15 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
49	344527		
49	100		
129	2.1	0.0	4.2
130	83.6	66.8	100.2



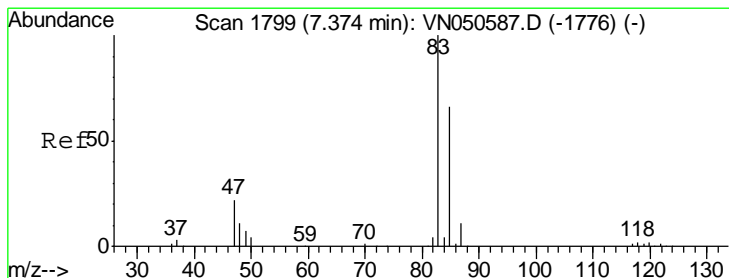
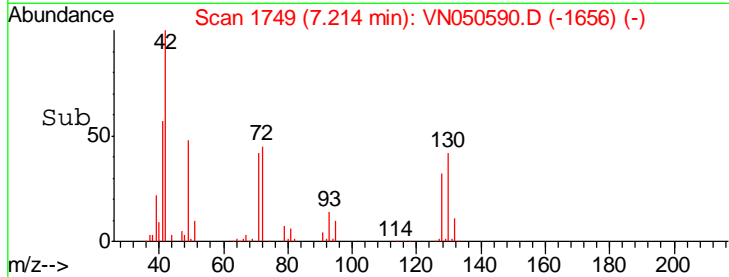
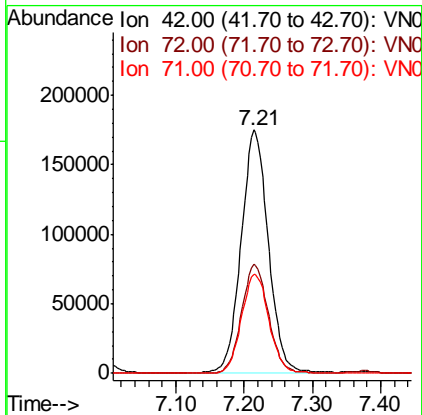
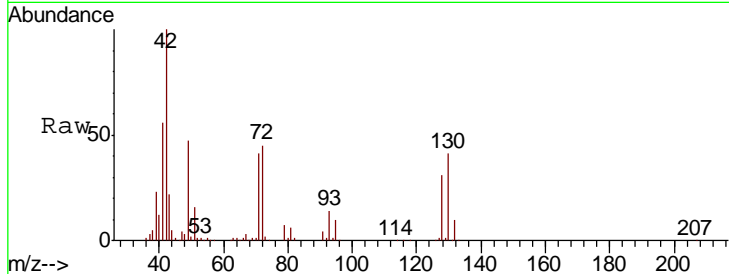


#29
 Tetrahydrofuran
 Concen: 255.61 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
42	484310		
72	44.5	35.8	53.6
71	41.3	33.4	50.0

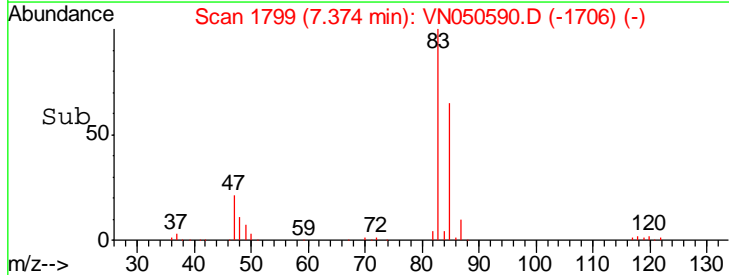
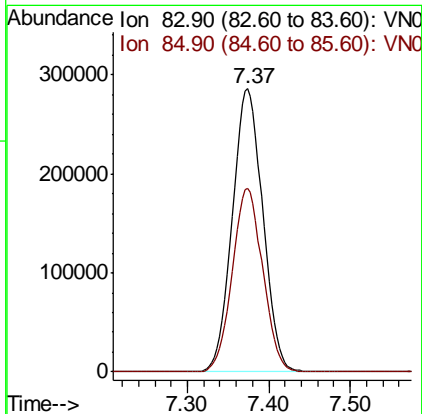
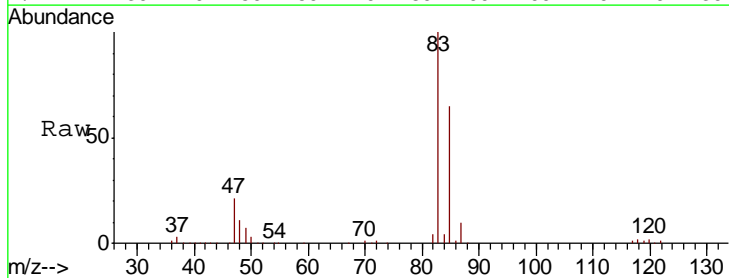
Instrument : MSVOA_N
 ClientSampled : ICVVN081418

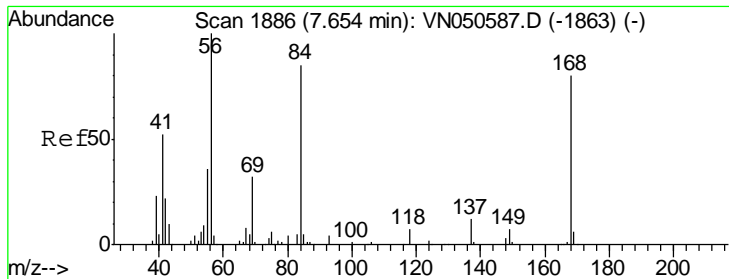
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#30
 Chloroform
 Concen: 46.62 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
83	742711		
85	65.0	52.5	78.7





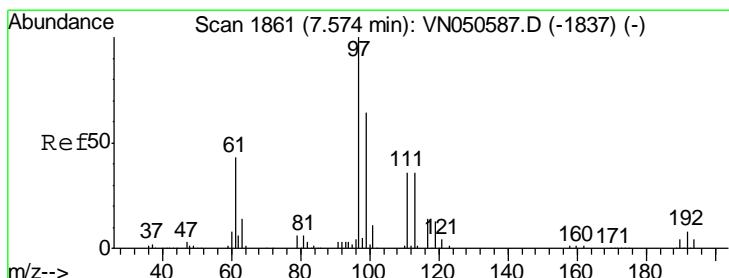
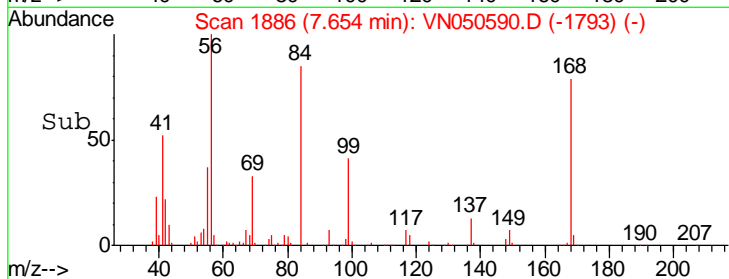
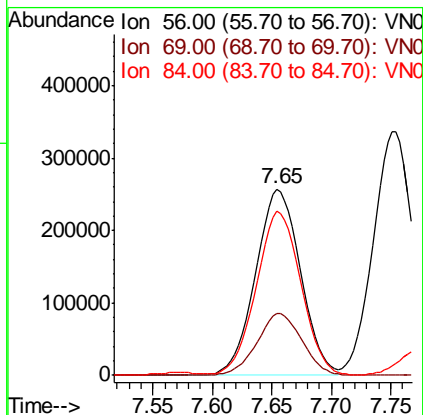
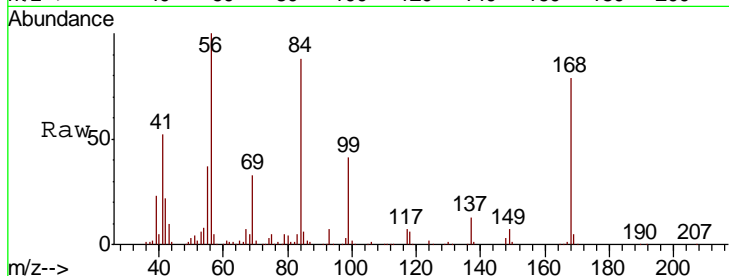
#31
 Cyclohexane
 Concen: 50.18 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
56	100		
69	33.0	25.8	38.6
84	86.5	67.8	101.6

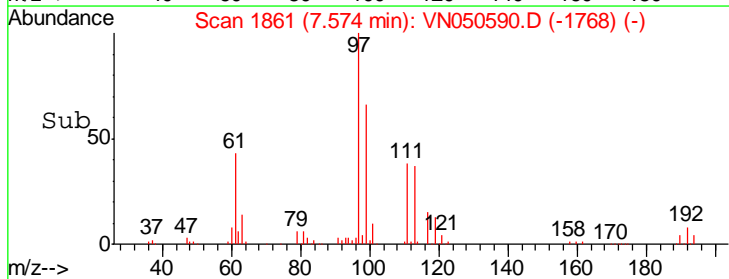
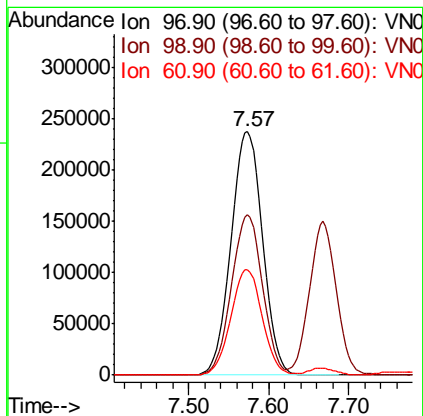
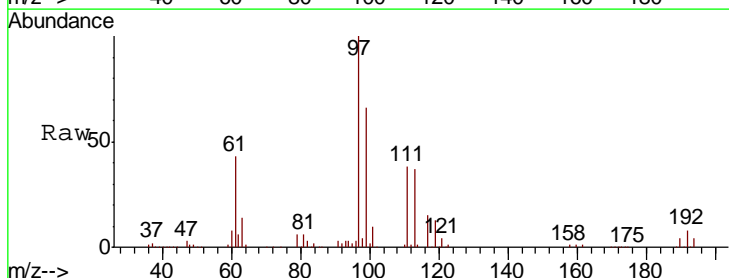
Manual Integrations
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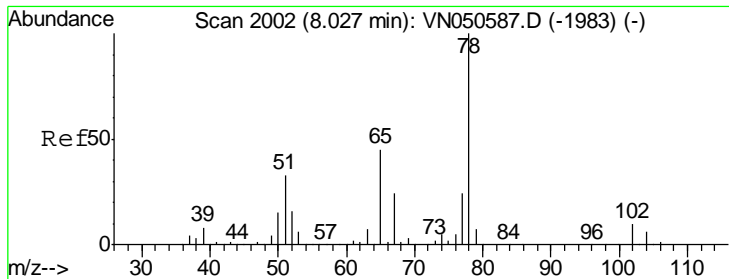
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 8/15/2018 3:21:52 PM



#32
 1,1,1-Trichloroethane
 Concen: 47.25 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.7	51.1	76.7
61	43.0	34.8	52.2





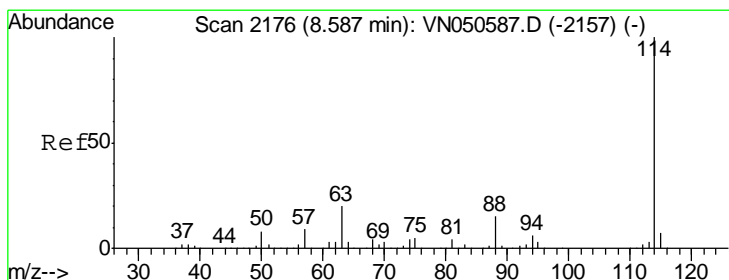
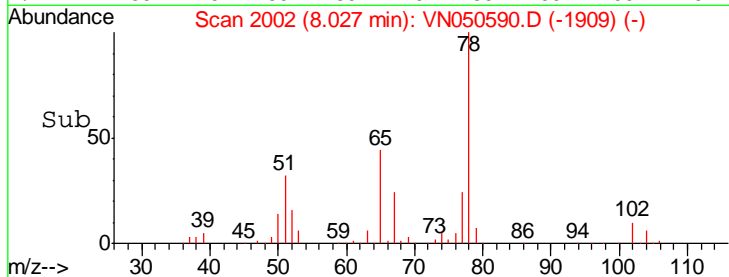
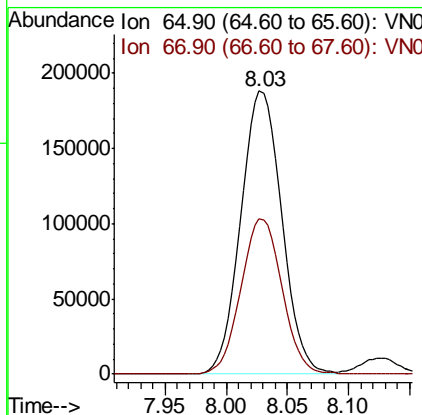
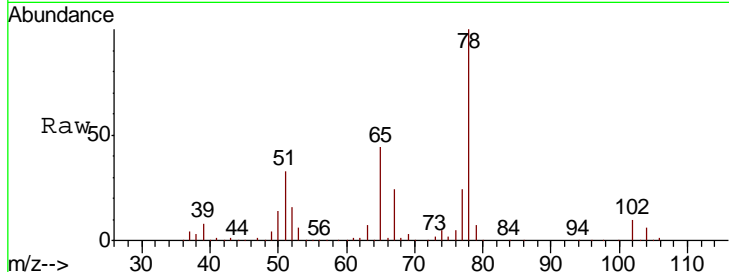
#33
 1,2-Dichloroethane-d4
 Concen: 49.49 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
65	100		
67	55.0	0.0	109.8

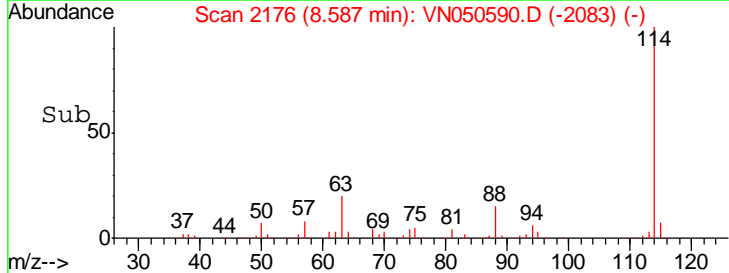
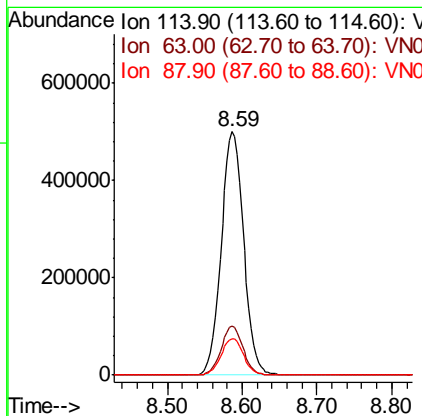
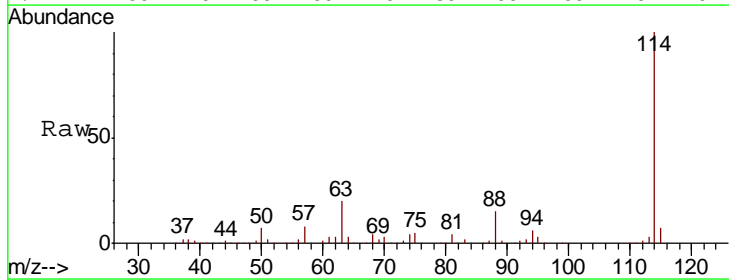
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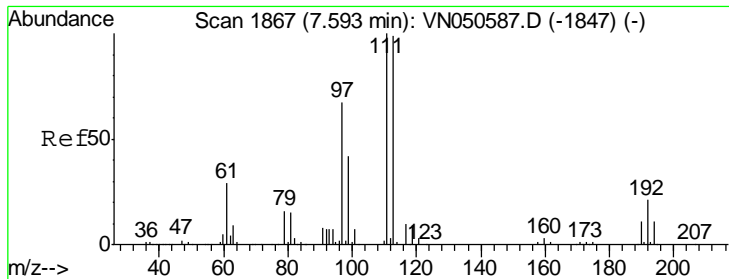
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.1	0.0	40.0
88	14.9	0.0	30.8





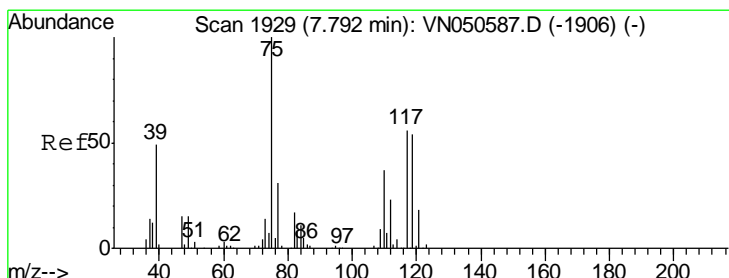
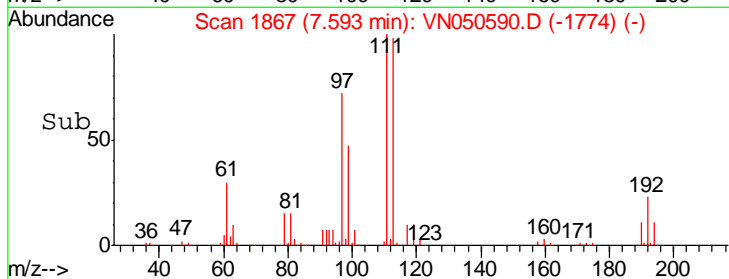
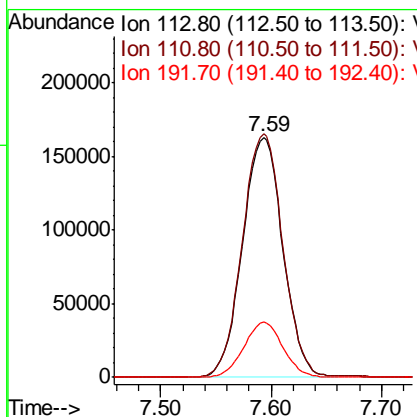
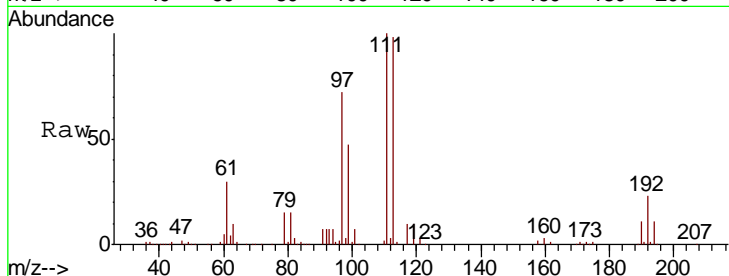
#35
 Dibromofluoromethane
 Concen: 50.06 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.2	81.0	121.6
192	22.3	17.6	26.4

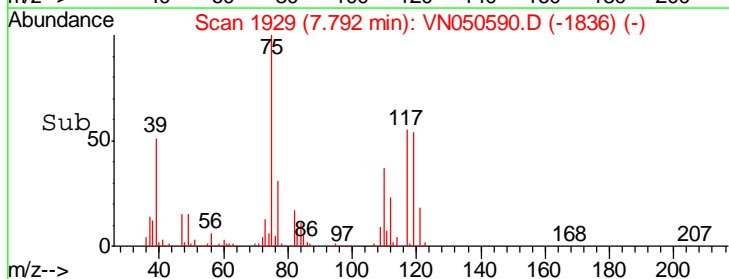
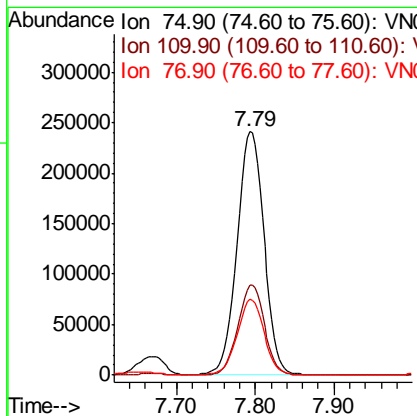
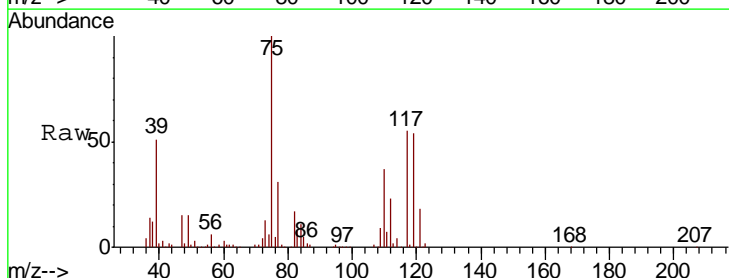
Manual Integrations
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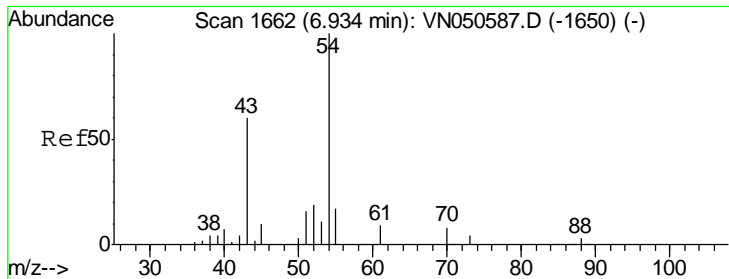
MMDadoda
 8/15/2018 3:21:52 PM



#36
 1,1-Dichloropropene
 Concen: 50.26 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
75	100		
110	36.6	18.3	54.9
77	31.1	25.0	37.4





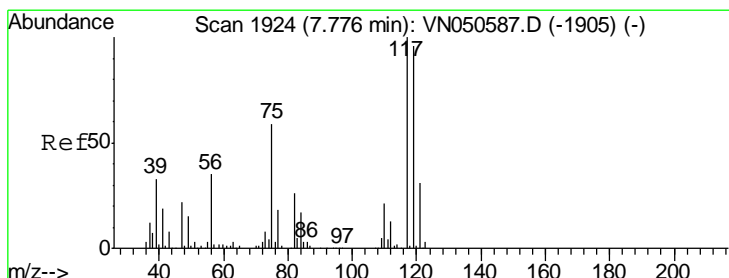
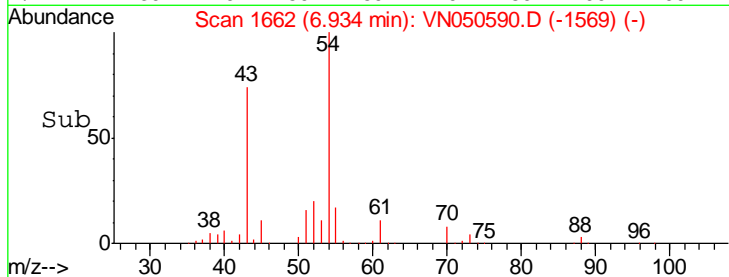
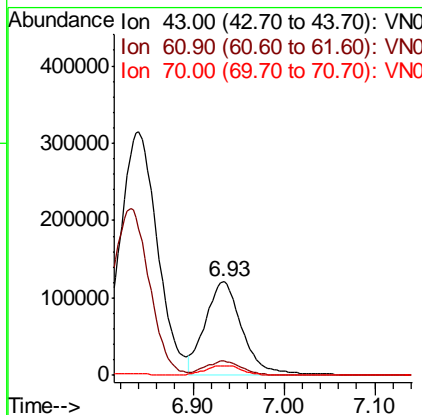
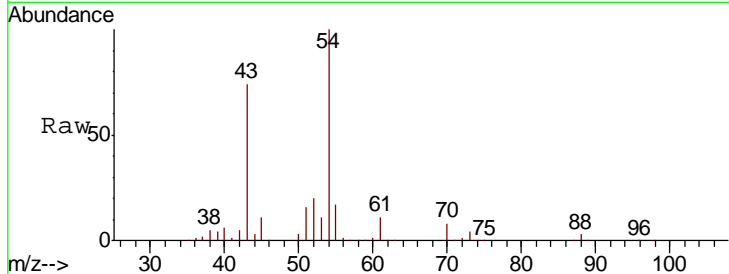
#37
 Ethyl Acetate
 Concen: 51.45 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	10.9	8.5	12.7

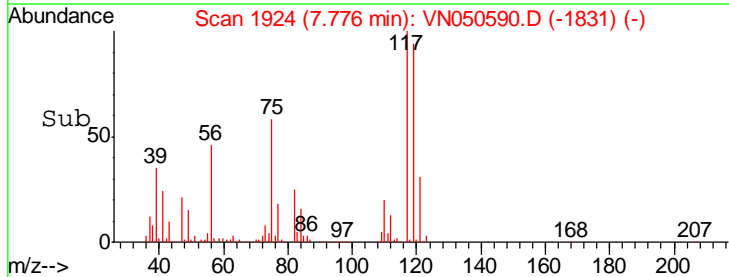
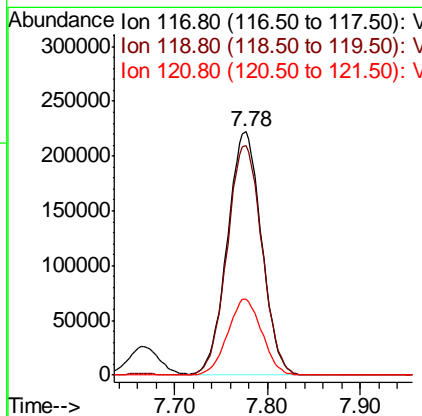
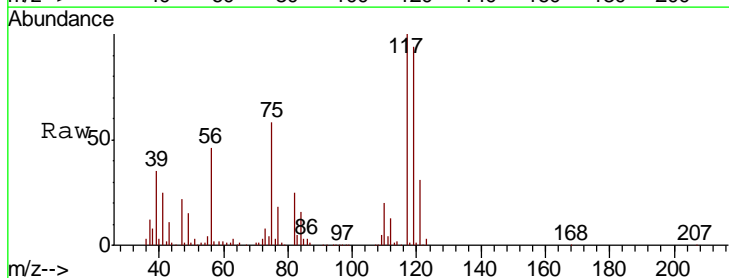
Manual Integrations
 APPROVED

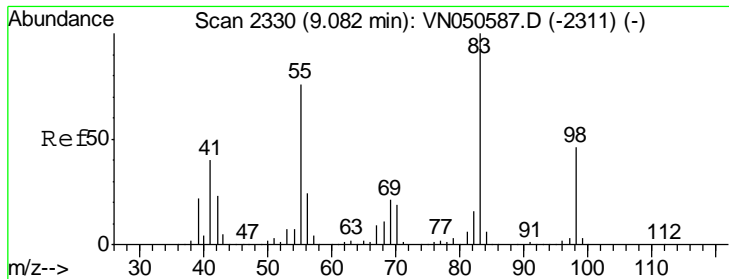
MMDadoda
 8/15/2018 3:21:52 PM



#38
 Carbon Tetrachloride
 Concen: 47.62 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
117	100		
119	94.2	76.6	115.0
121	31.4	25.0	37.6





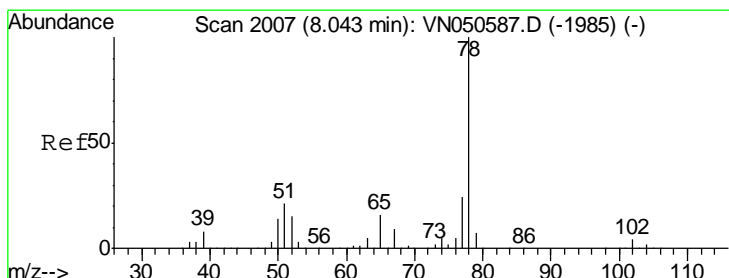
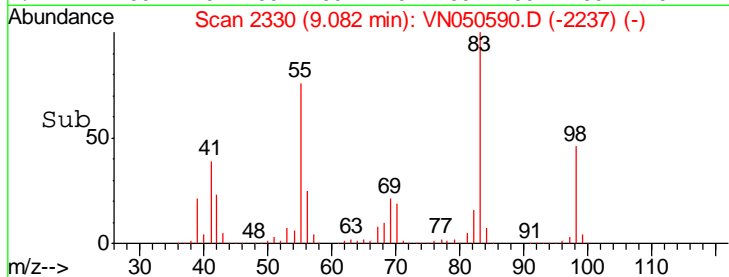
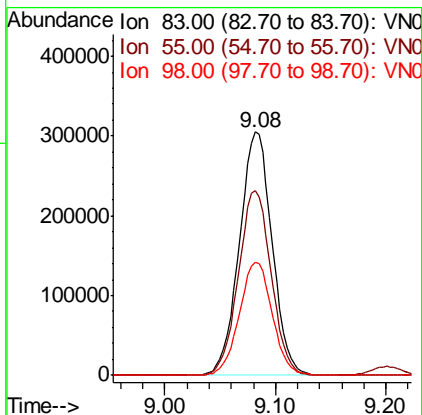
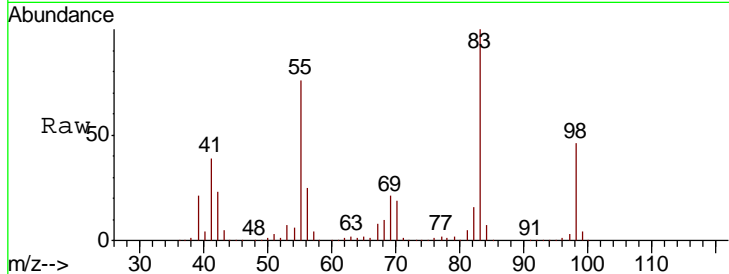
#39
 Methylcyclohexane
 Concen: 52.56 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
83	100		
55	75.9	60.6	91.0
98	46.5	37.0	55.4

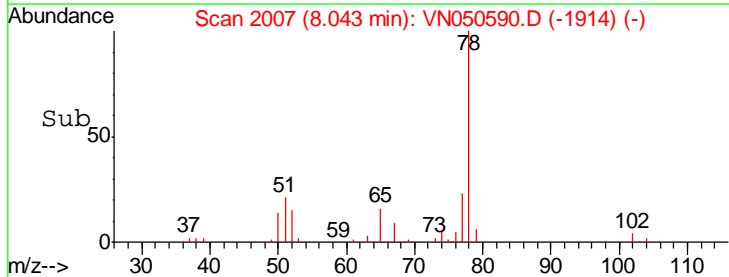
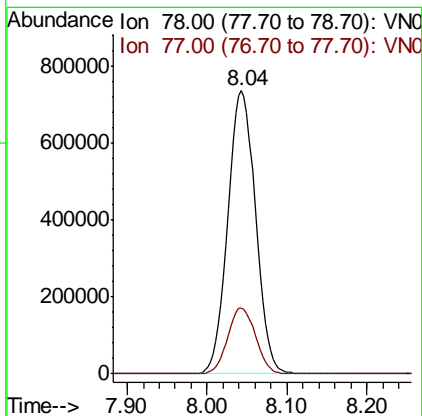
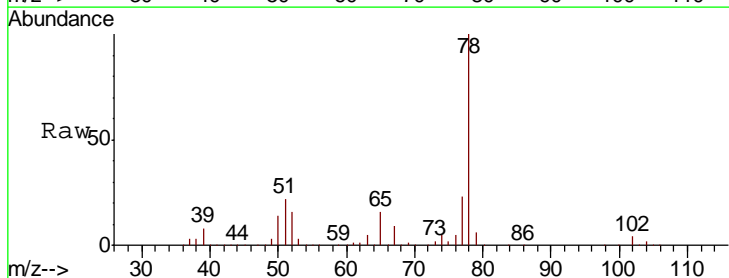
Manual Integrations
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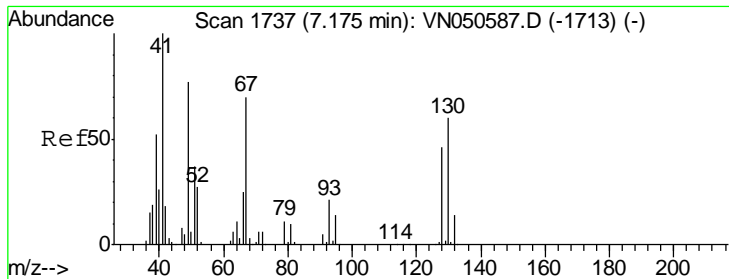
MMDadoda
 8/15/2018 3:21:52 PM



#40
 Benzene
 Concen: 49.34 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.4	19.0	28.6





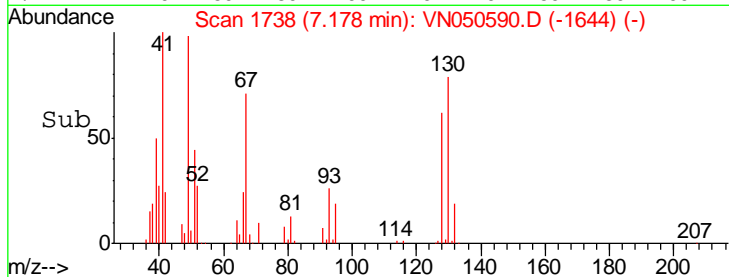
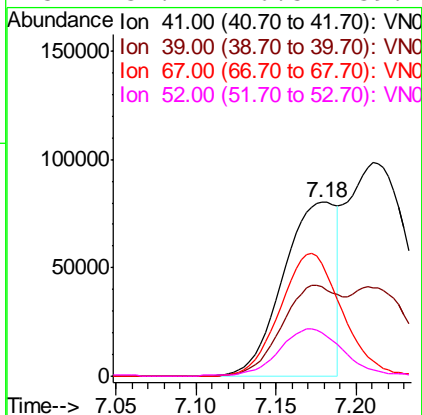
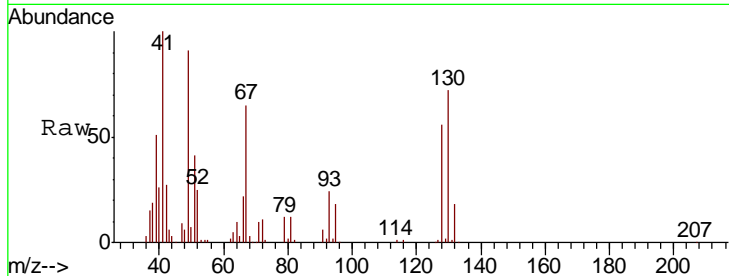
#41
 Methacrylonitrile
 Concen: 53.03 ug/l
 RT: 7.18 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
41	100		
39	59.4	44.6	66.8
67	82.0	66.7	100.1
52	32.4	26.5	39.7

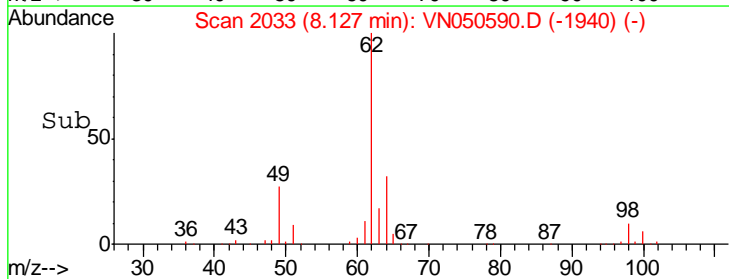
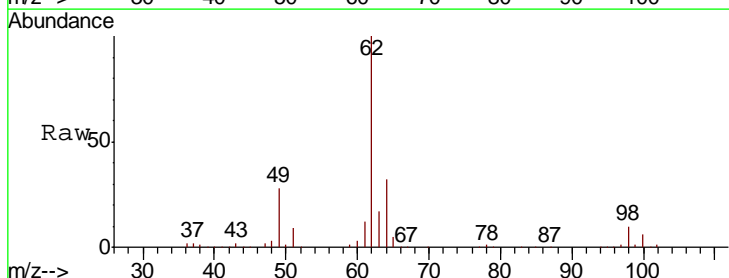
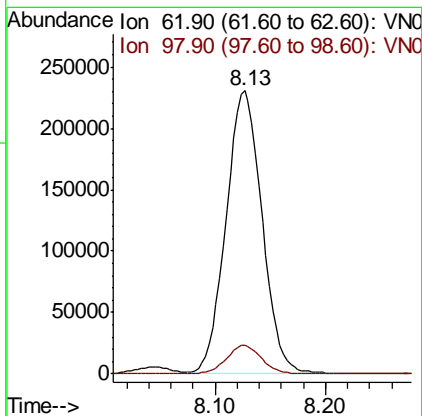
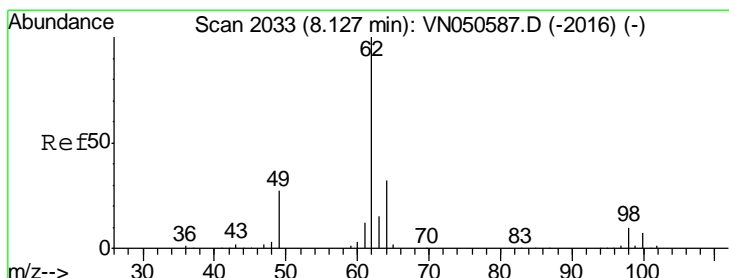
Manual Integrations
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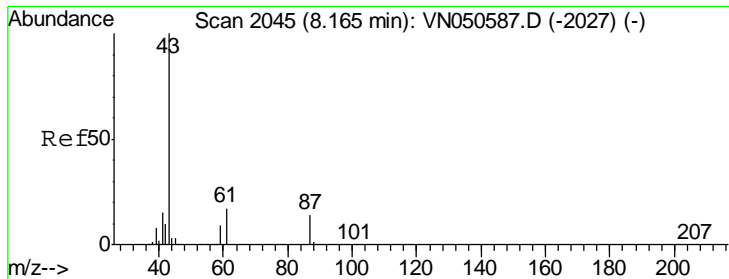
MMDadoda
 8/15/2018 3:21:52 PM



#42
 1,2-Dichloroethane
 Concen: 48.38 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.7	0.0	19.4





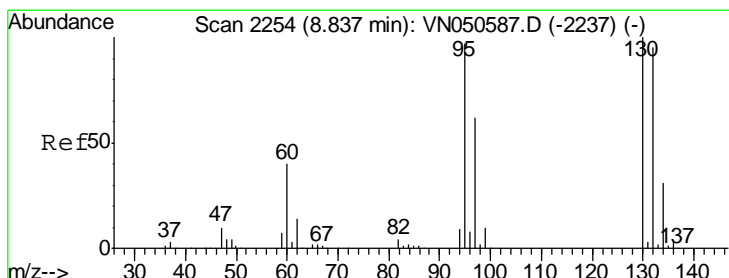
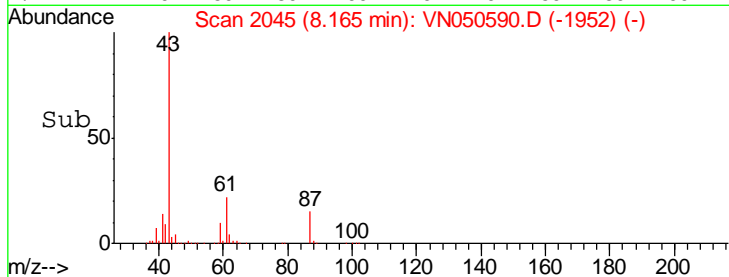
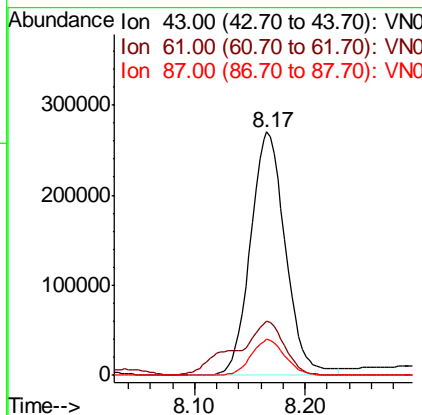
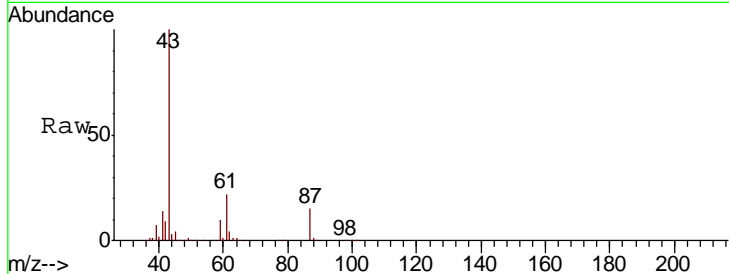
#43
 Isopropyl Acetate
 Concen: 49.78 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
43	100		
61	30.7	16.2	24.2#
87	14.3	10.9	16.3

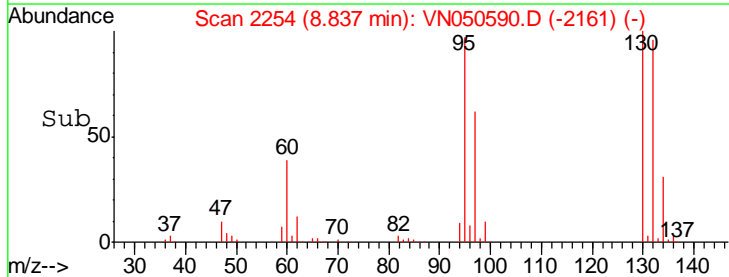
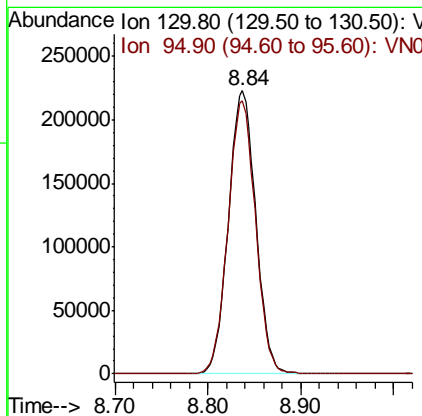
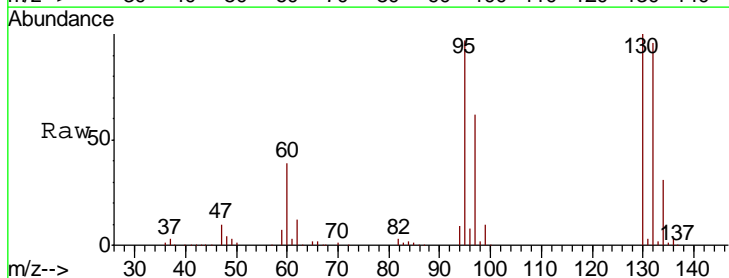
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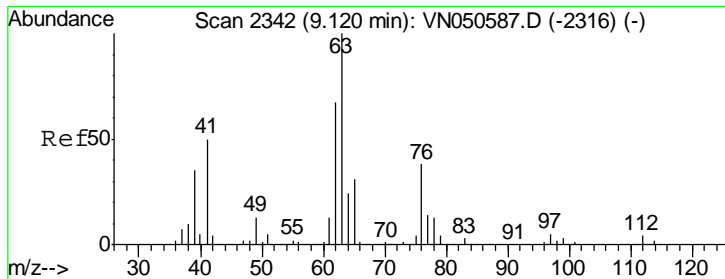
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 8/15/2018 3:21:52 PM



#44
 Trichloroethene
 Concen: 48.59 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.6	0.0	193.8





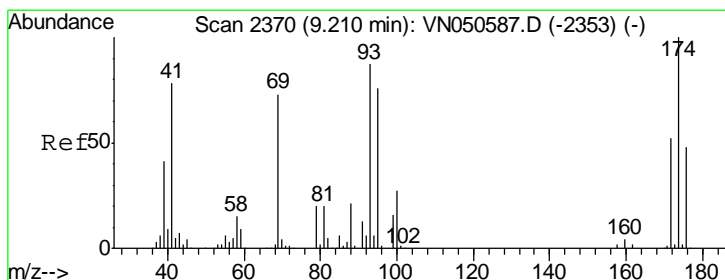
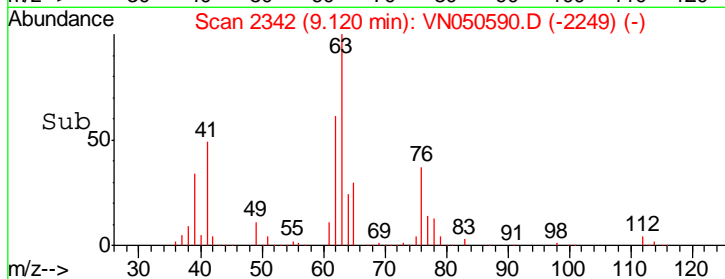
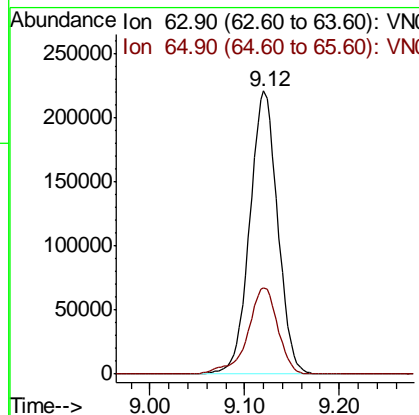
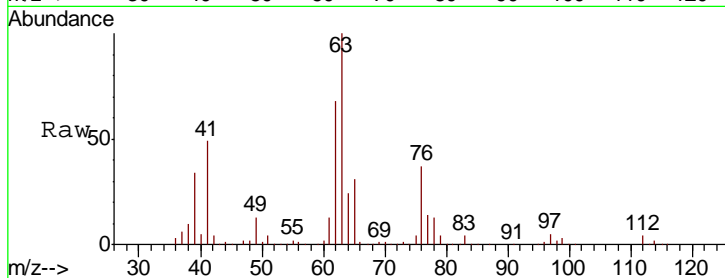
#45
 1,2-Dichloropropane
 Concen: 48.45 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.6	24.5	36.7

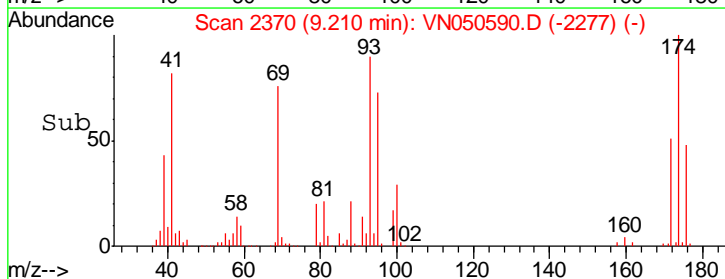
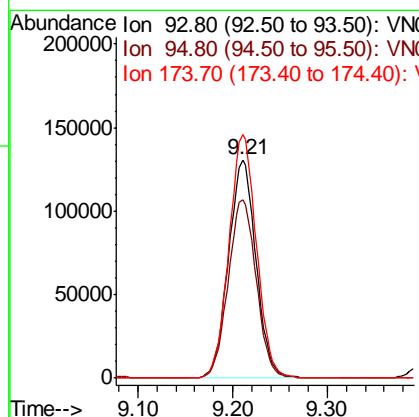
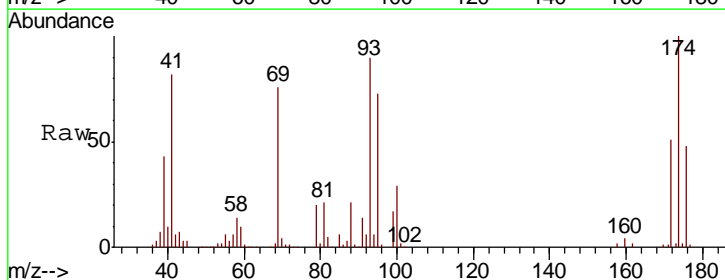
Manual Integrations
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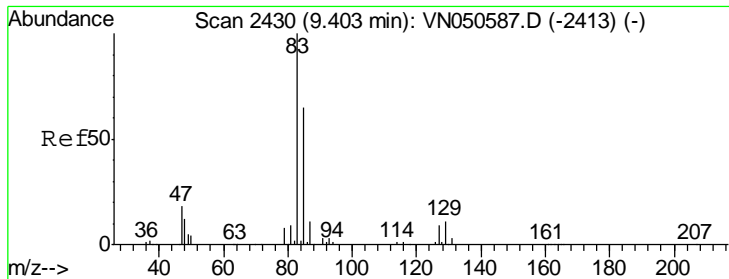
MMDadoda
 8/15/2018 3:21:52 PM



#46
 Dibromomethane
 Concen: 47.89 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.4	69.1	103.7
174	111.6	91.0	136.6





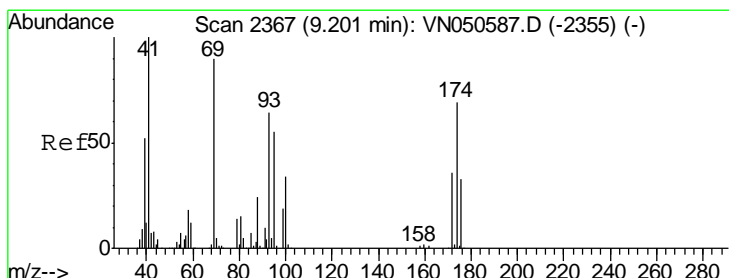
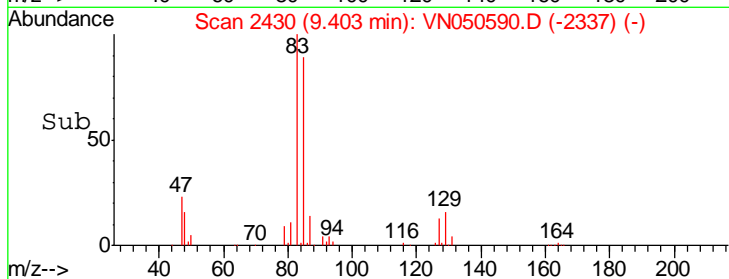
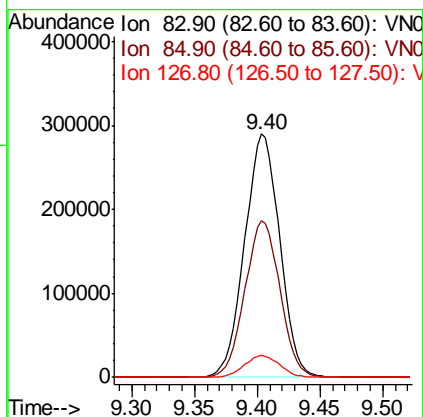
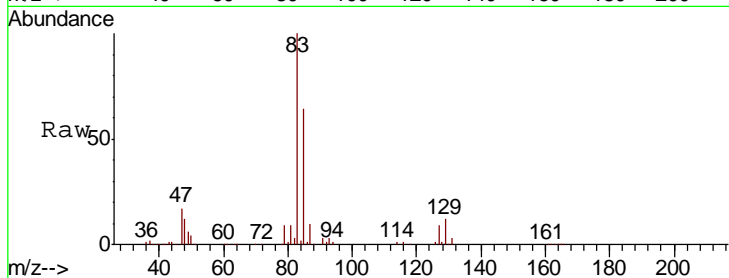
#47
 Bromodichloromethane
 Concen: 47.95 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.4	51.8	77.6
127	9.0	7.2	10.8

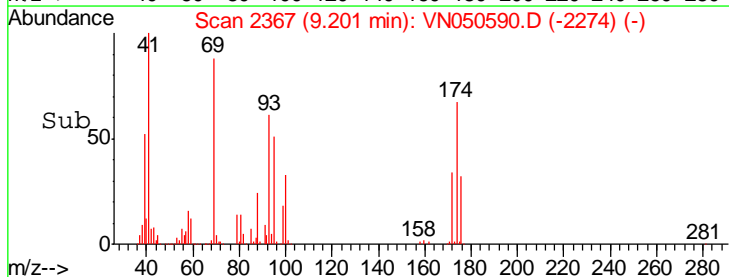
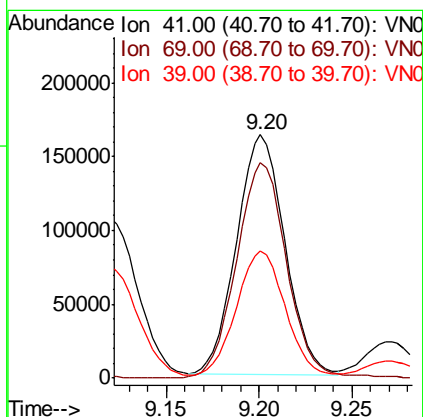
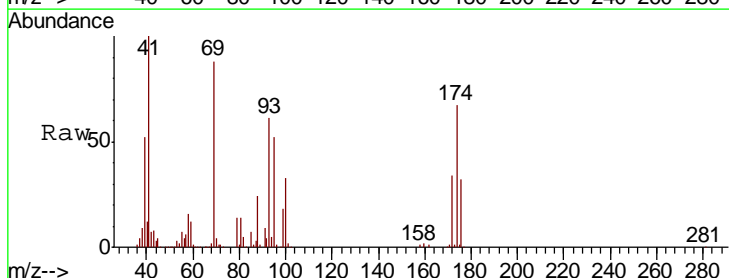
Manual Integrations
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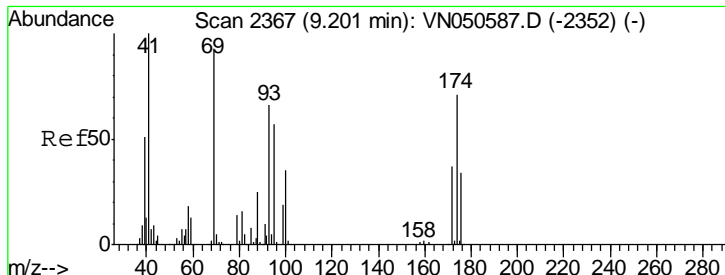
MMDadoda
 8/15/2018 3:21:52 PM



#48
 Methyl methacrylate
 Concen: 49.41 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
41	100		
69	93.5	73.4	110.0
39	54.3	43.0	64.6





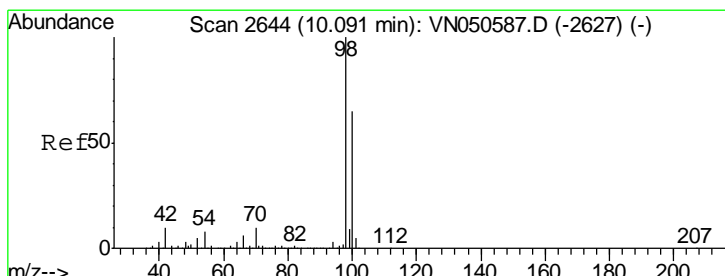
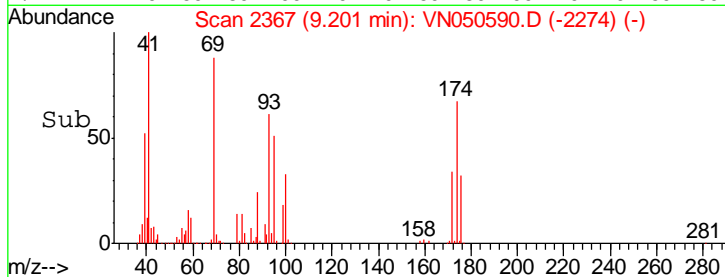
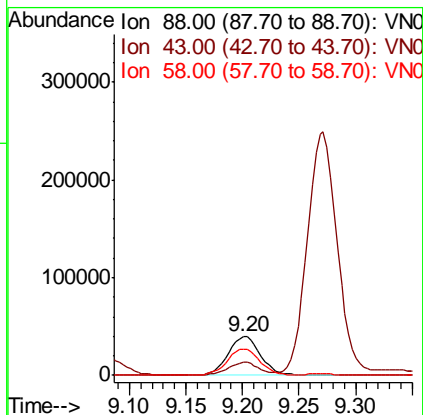
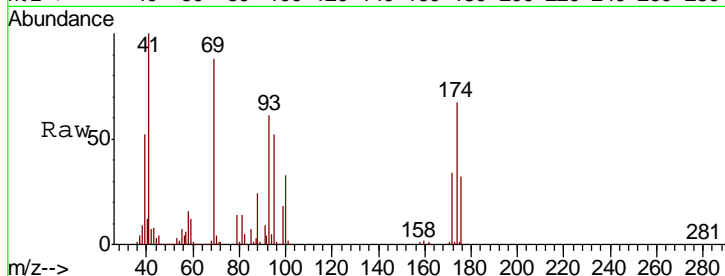
#49
 1,4-Dioxane
 Concen: 1010.71 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
88	79565		
88	100		
43	32.0	25.9	38.9
58	69.1	56.5	84.7

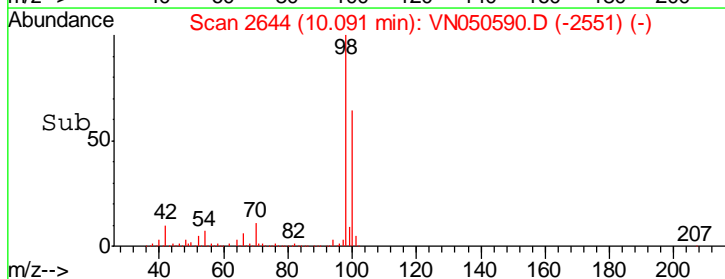
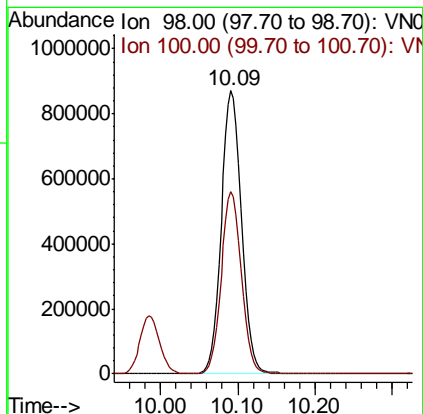
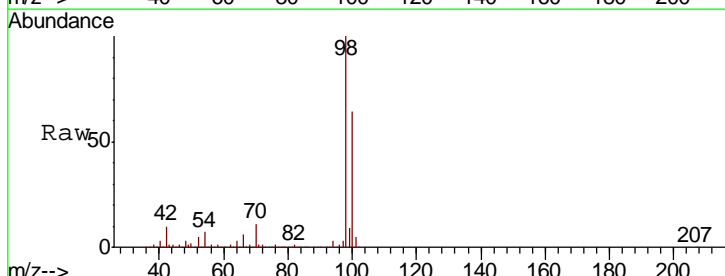
Manual Integrations
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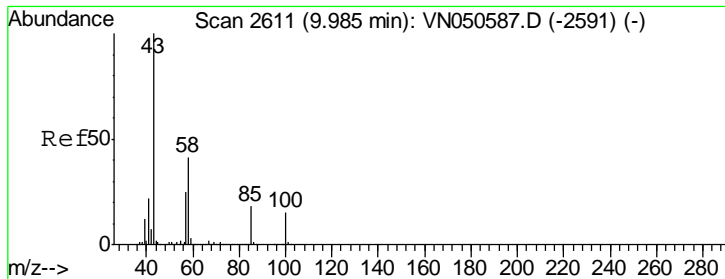
MMDadoda
 8/15/2018 3:21:52 PM



#50
 Toluene-d8
 Concen: 51.07 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
98	1589199		
98	100		
100	63.9	51.8	77.8





#51
 4-Methyl-2-Pentanone
 Concen: 255.33 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

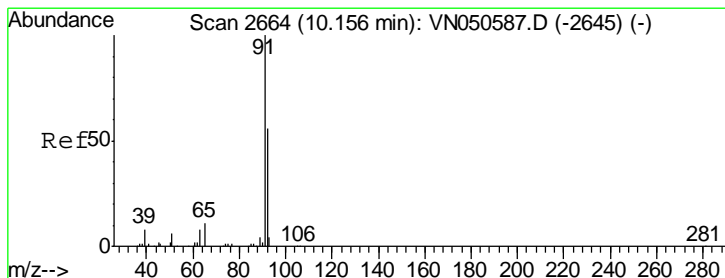
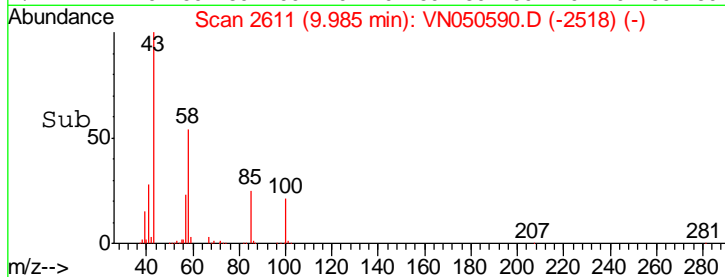
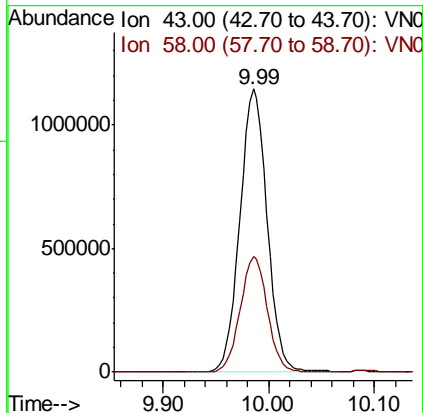
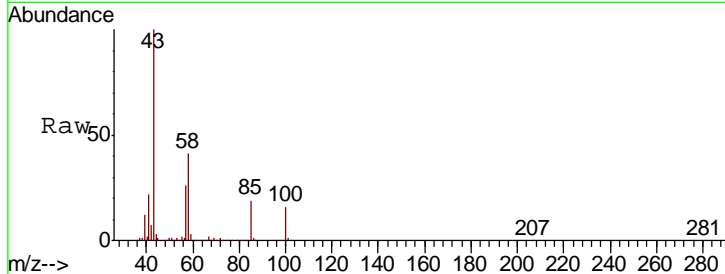
Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion: 43 Resp: 2050752

Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.5	48.7

Manual Integrations
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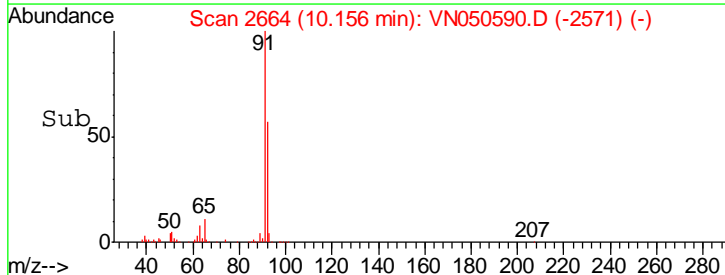
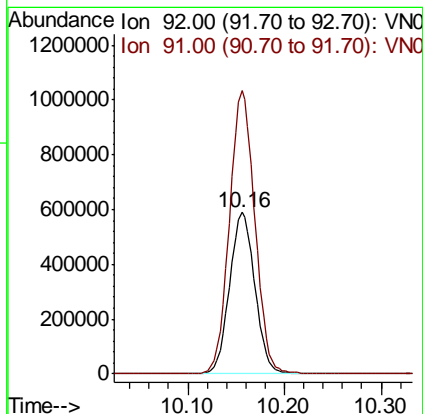
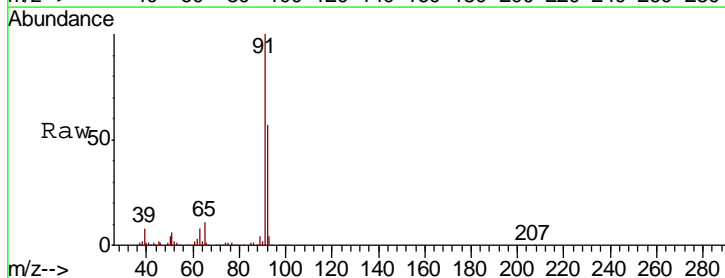
MMDadoda
 8/15/2018 3:21:52 PM

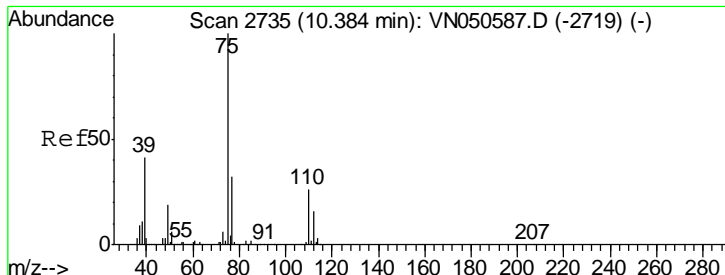


#52
 Toluene
 Concen: 51.19 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion: 92 Resp: 1071866

Ion	Ratio	Lower	Upper
92	100		
91	175.9	141.9	212.9





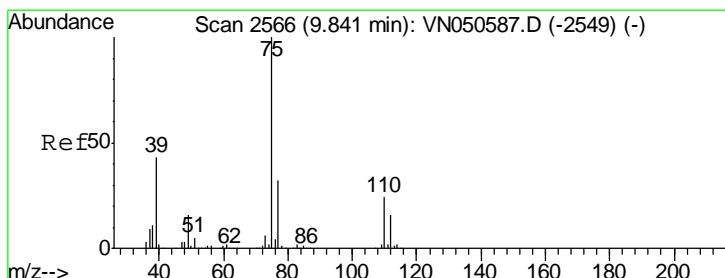
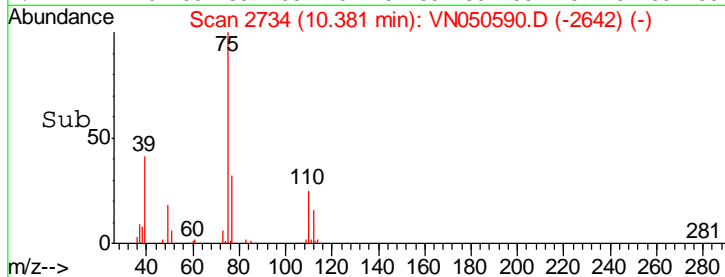
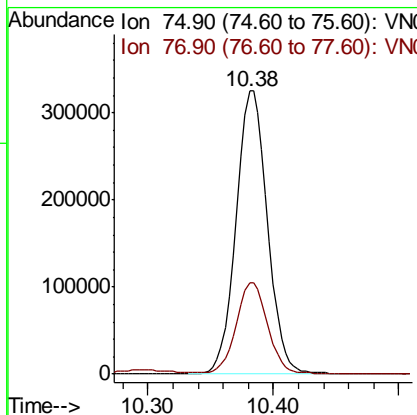
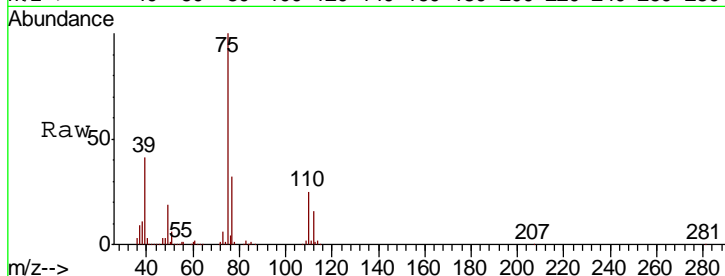
#53
 t-1,3-Dichloropropene
 Concen: 51.53 ug/l
 RT: 10.38 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
75	565614		
75	100		
77	31.9	25.8	38.6

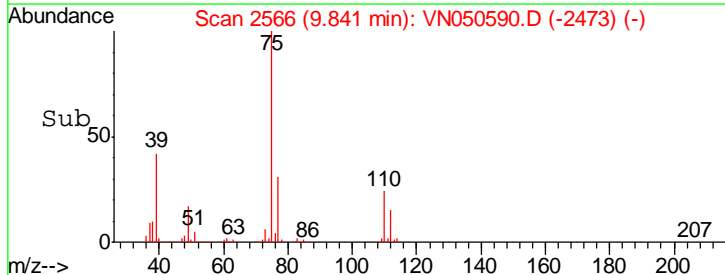
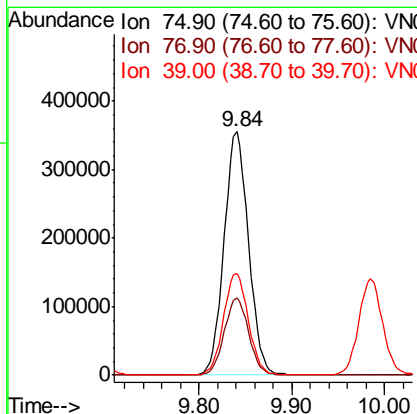
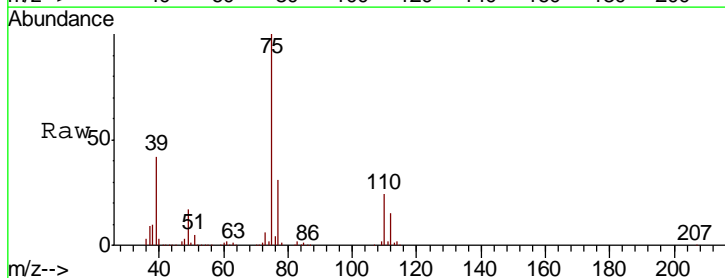
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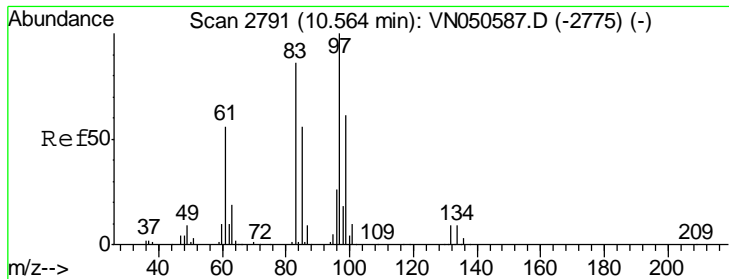
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#54
 cis-1,3-Dichloropropene
 Concen: 51.71 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
75	651132		
75	100		
77	31.5	25.6	38.4
39	41.9	34.4	51.6





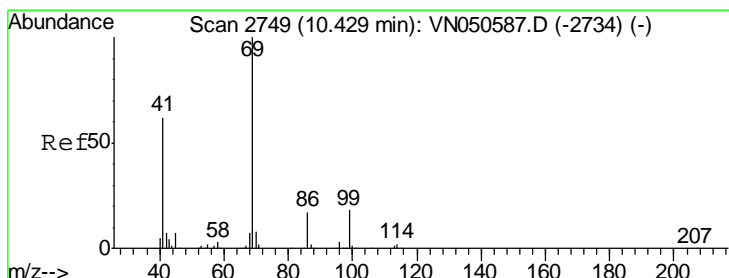
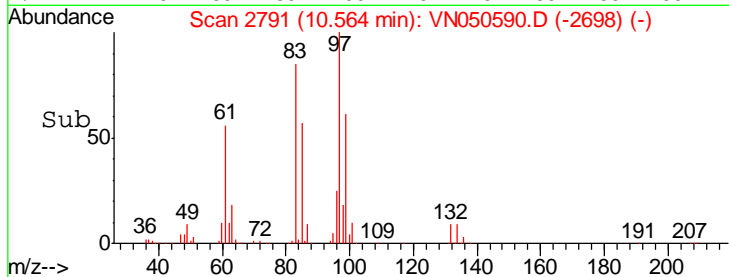
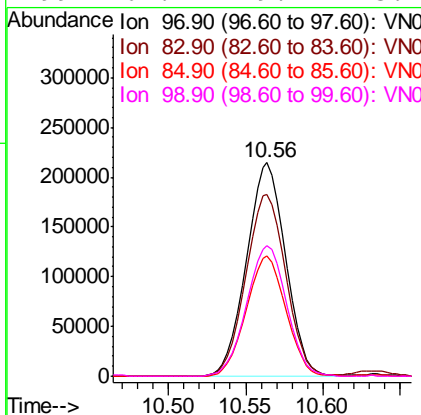
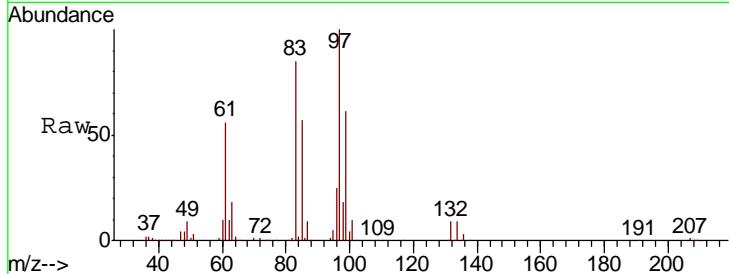
#55
 1,1,2-Trichloroethane
 Concen: 48.39 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
97	378523		
97	100		
83	85.4	68.5	102.7
85	56.6	44.6	66.8
99	61.1	49.1	73.7

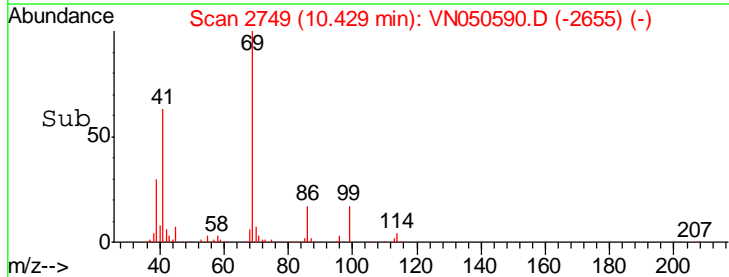
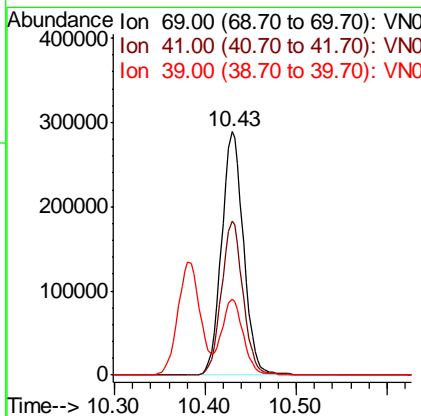
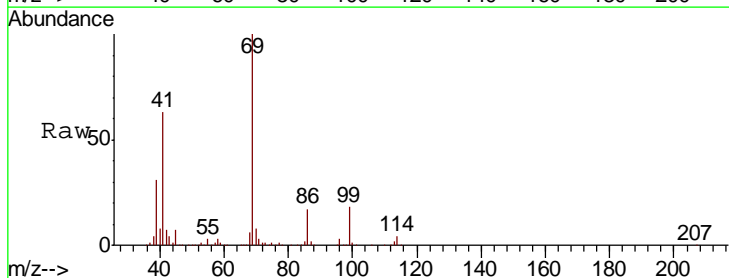
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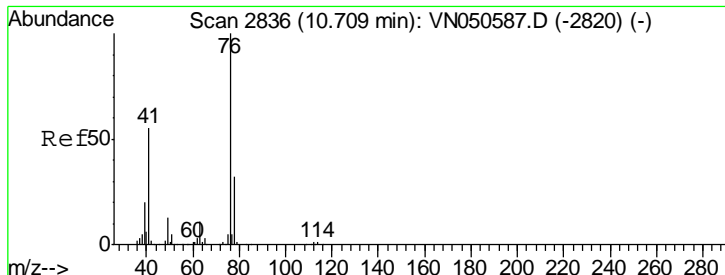
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#56
 Ethyl methacrylate
 Concen: 48.44 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
69	482801		
69	100		
41	62.1	49.7	74.5
39	31.0	24.2	36.2





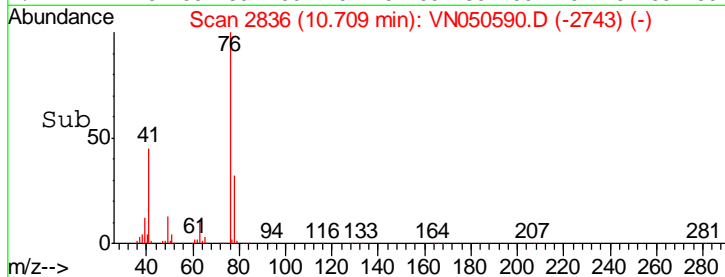
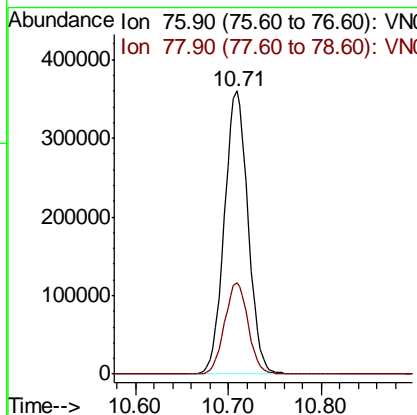
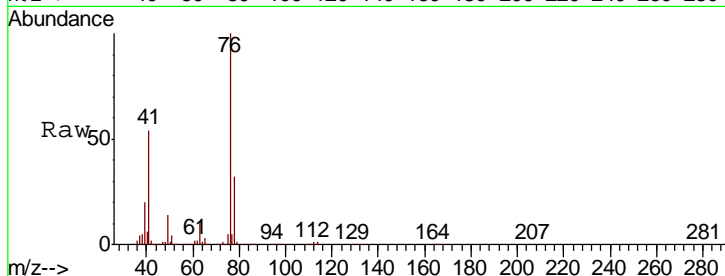
#57
 1,3-Dichloropropane
 Concen: 49.60 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
76	636170		
76	100		
78	32.3	25.8	38.6

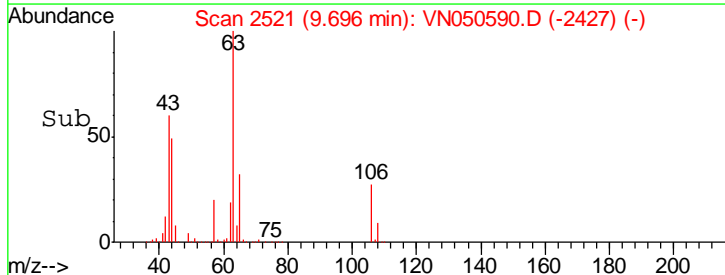
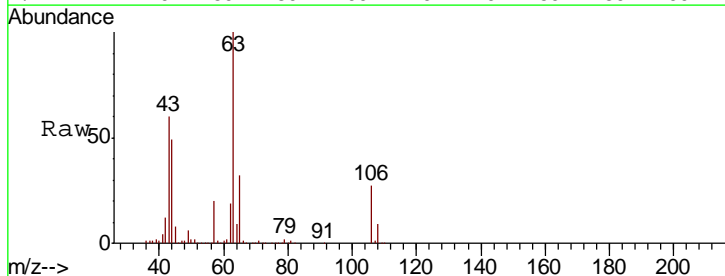
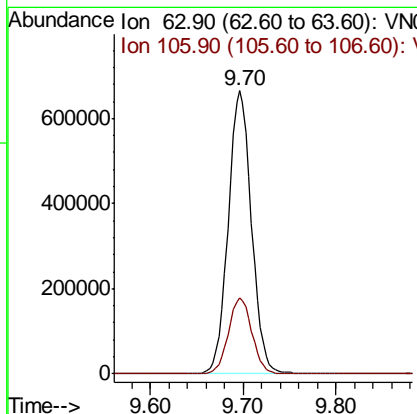
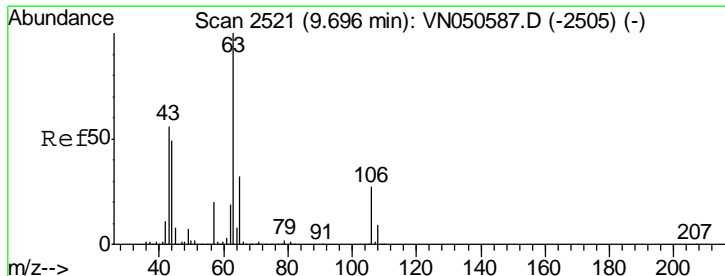
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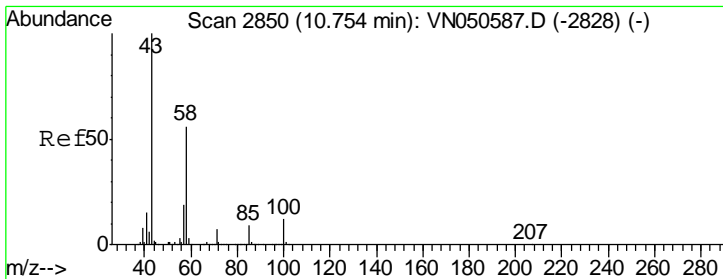
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#58
 2-Chloroethyl Vinyl ether
 Concen: 242.50 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
63	1157623		
63	100		
106	27.2	21.7	32.5





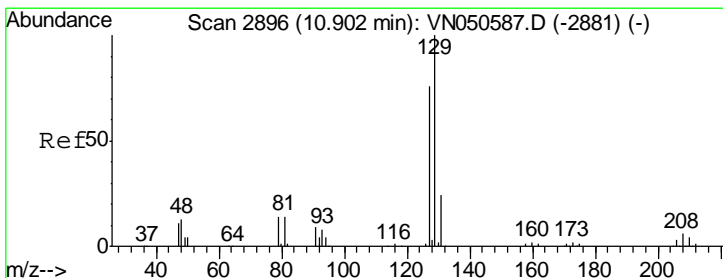
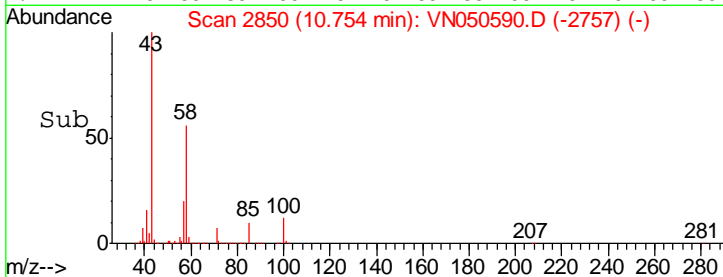
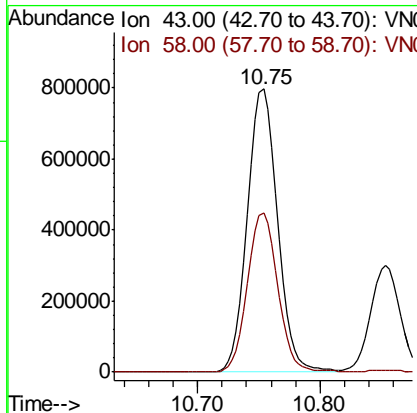
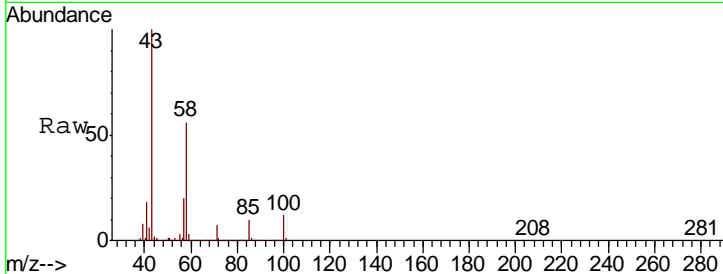
#59
 2-Hexanone
 Concen: 261.54 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.5	28.0	84.0

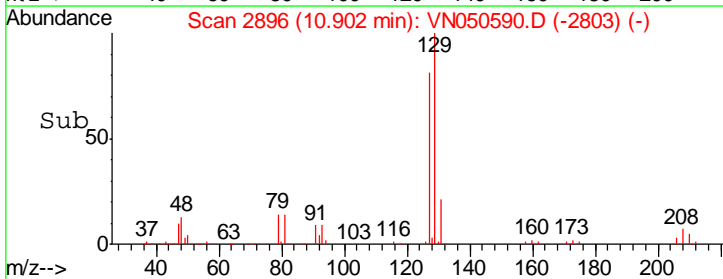
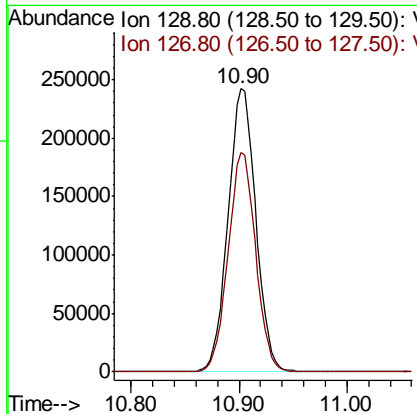
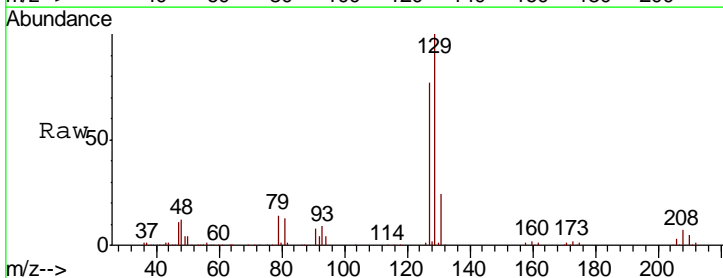
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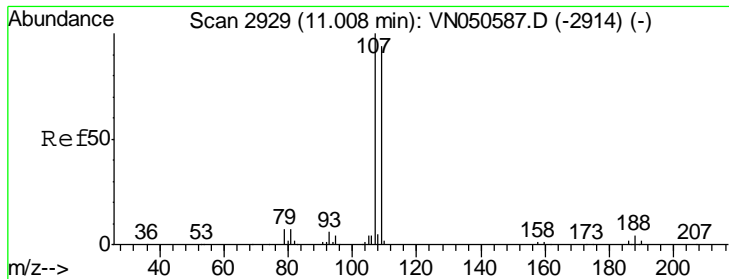
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#60
 Dibromochloromethane
 Concen: 50.44 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
129	100		
127	76.8	38.9	116.7





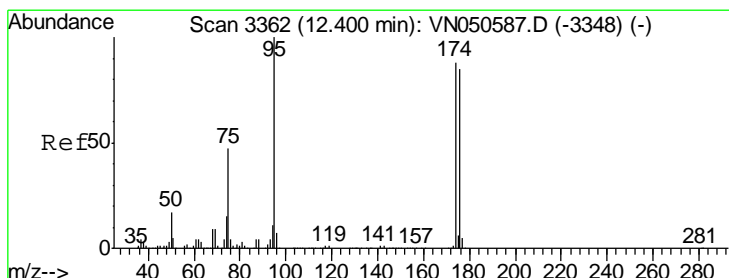
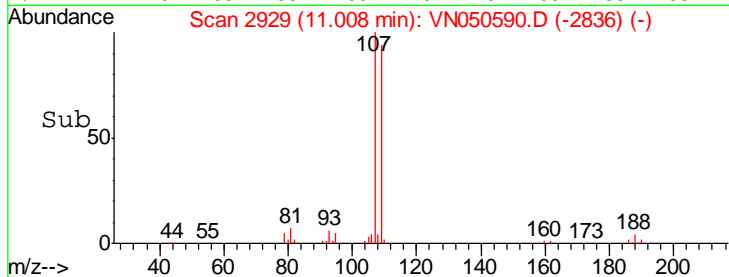
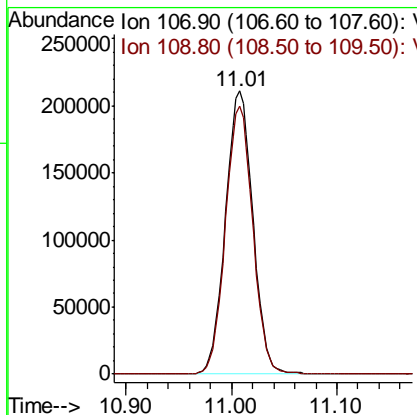
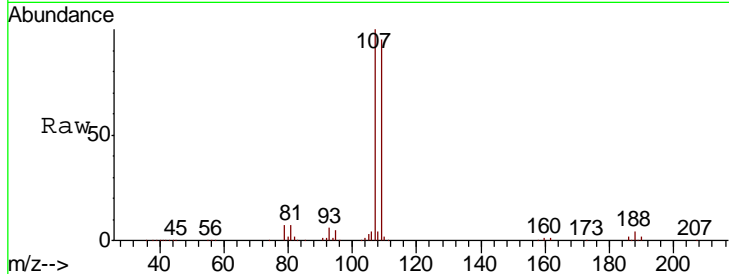
#61
 1,2-Dibromoethane
 Concen: 50.84 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.4	75.7	113.5

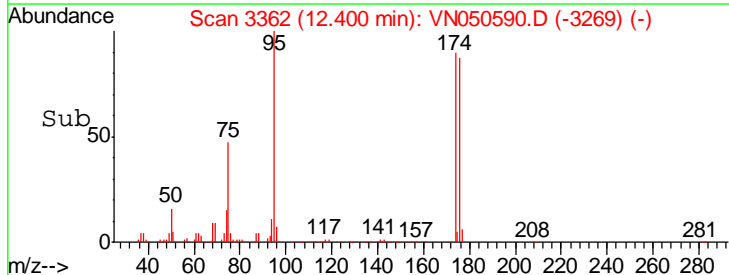
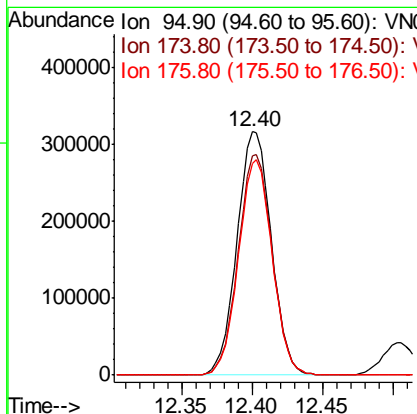
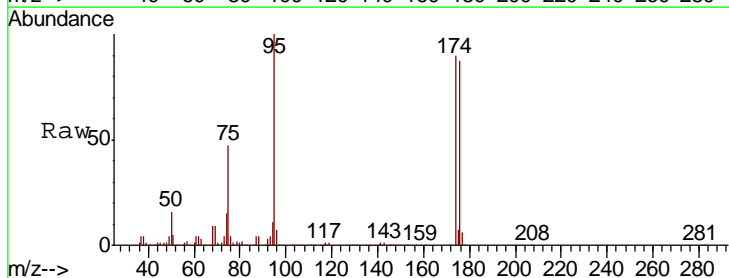
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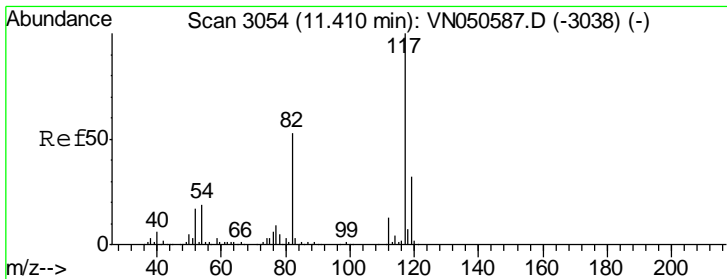
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#62
 4-Bromofluorobenzene
 Concen: 52.39 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

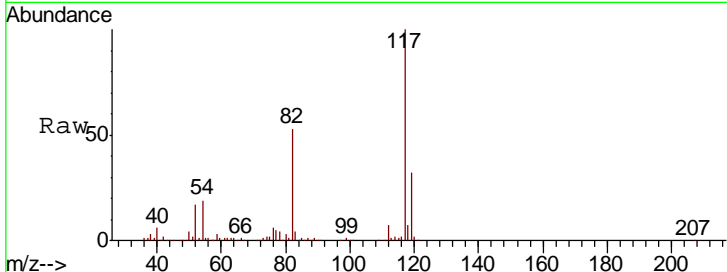
Tgt Ion	Resp	Lower	Upper
95	100		
174	89.8	0.0	177.8
176	87.0	0.0	175.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

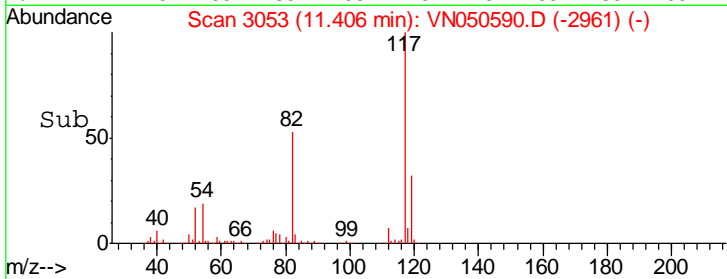
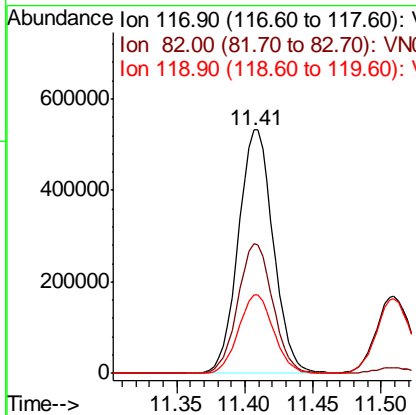
Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418



Tgt Ion: 117 Resp: 946954

Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.4	63.6
119	32.1	25.8	38.8

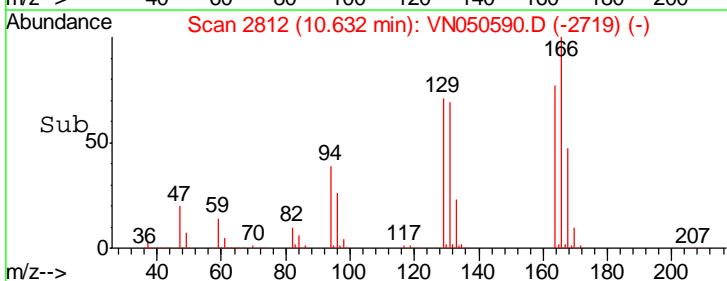
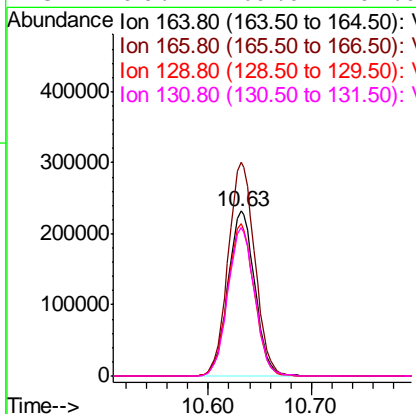
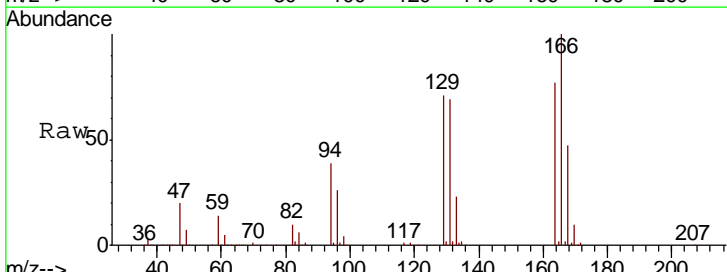
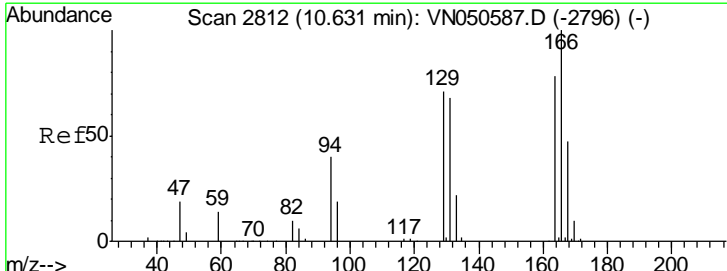
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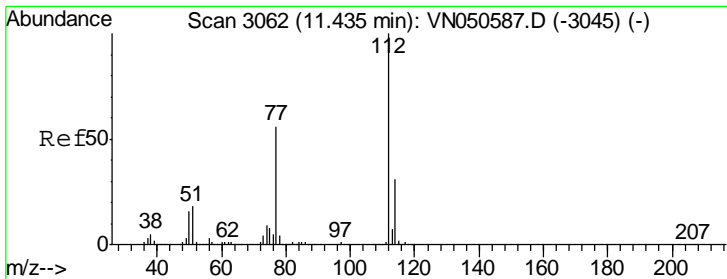


#64
 Tetrachloroethene
 Concen: 47.80 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion: 164 Resp: 420402

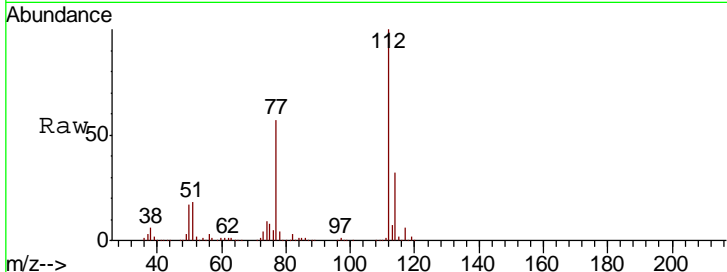
Ion	Ratio	Lower	Upper
164	100		
166	129.7	102.1	153.1
129	92.4	72.7	109.1
131	90.1	69.9	104.9





#65
 Chlorobenzene
 Concen: 50.02 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

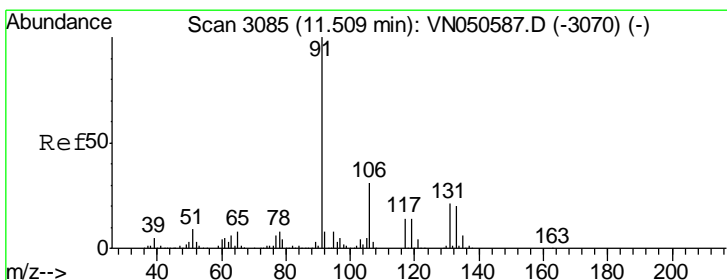
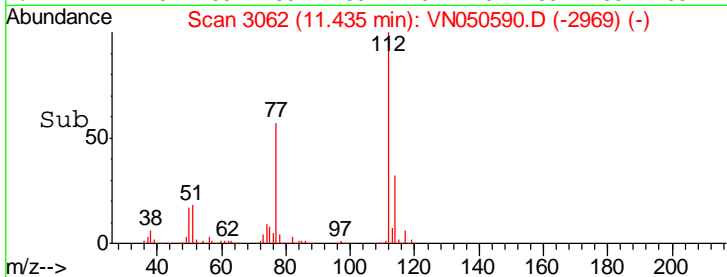
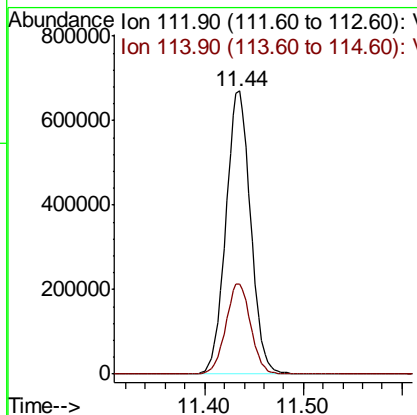


Tgt Ion: 112 Resp: 1178712

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.2	37.8

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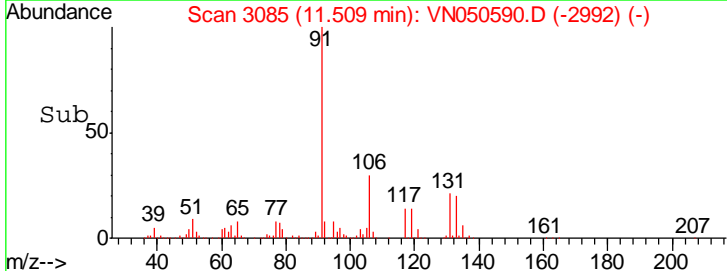
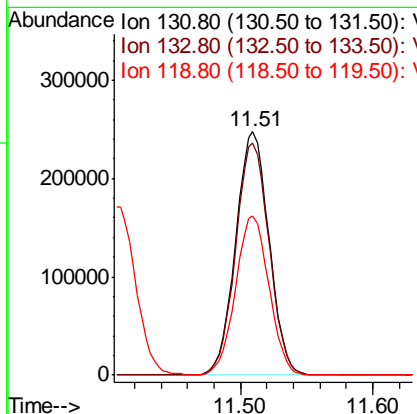
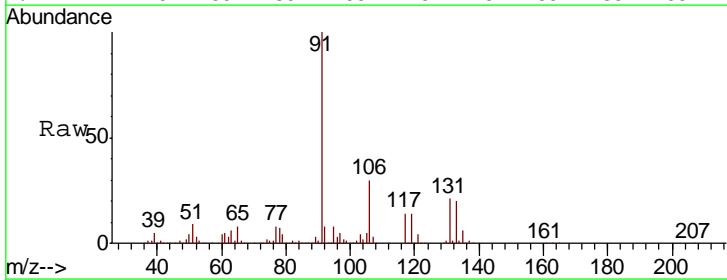
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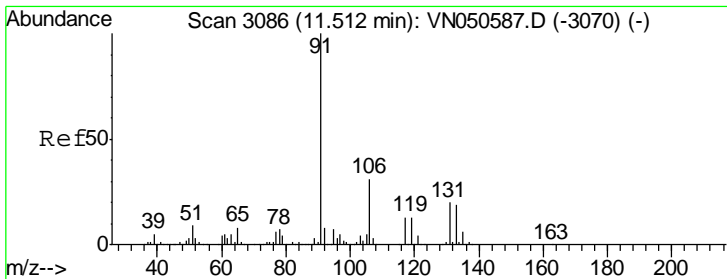


#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.82 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion: 131 Resp: 431324

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.6	142.9
119	65.8	33.1	99.3





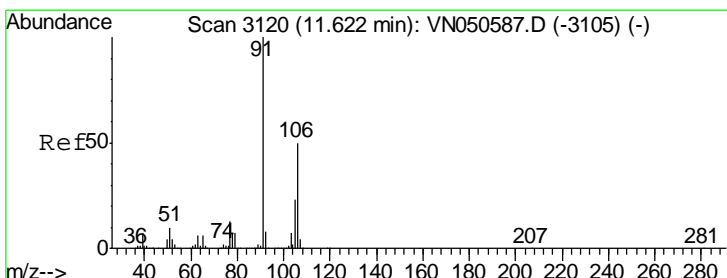
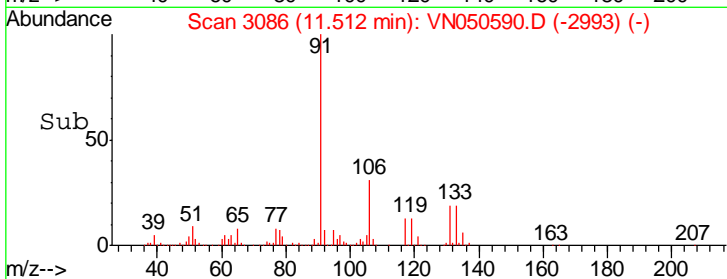
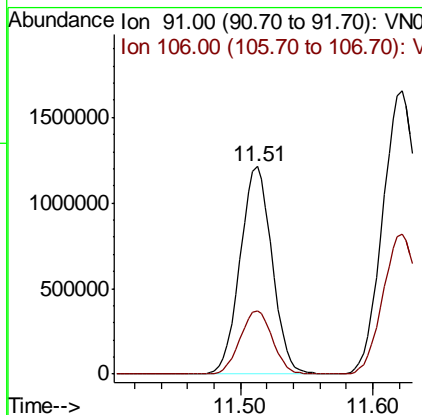
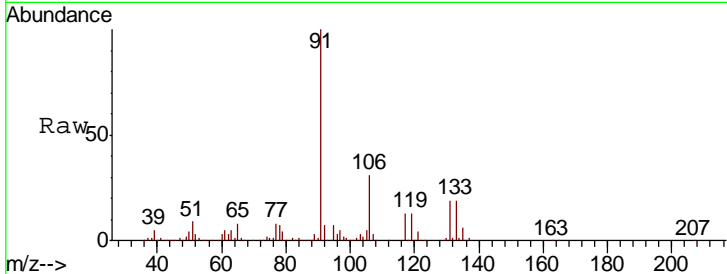
#67
Ethyl Benzene
Concen: 53.24 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
Client Sampled : ICVVN081418

Tgt Ion: 91 Resp: 2025829
Ion Ratio Lower Upper
91 100
106 30.8 24.8 37.2

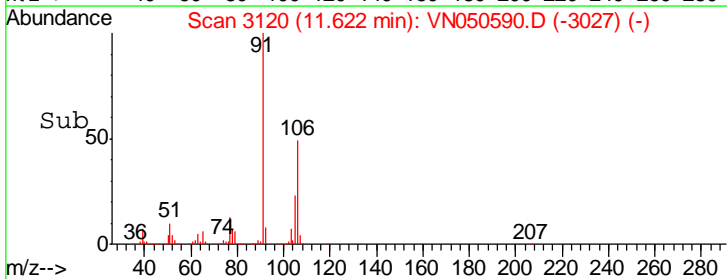
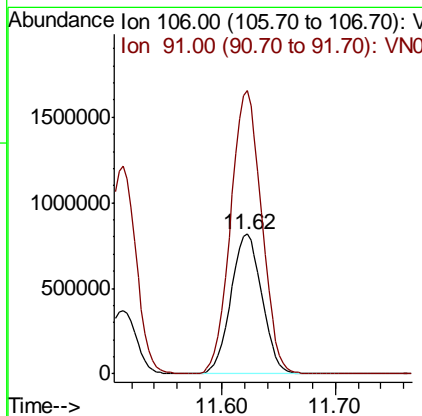
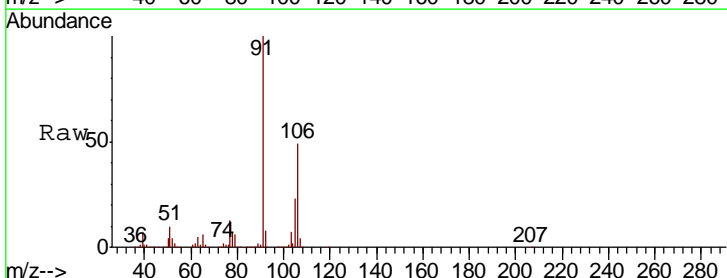
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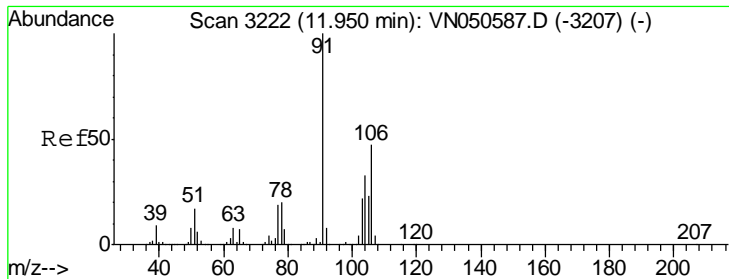
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#68
m/p-Xylenes
Concen: 107.22 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion: 106 Resp: 1560505
Ion Ratio Lower Upper
106 100
91 202.1 161.5 242.3





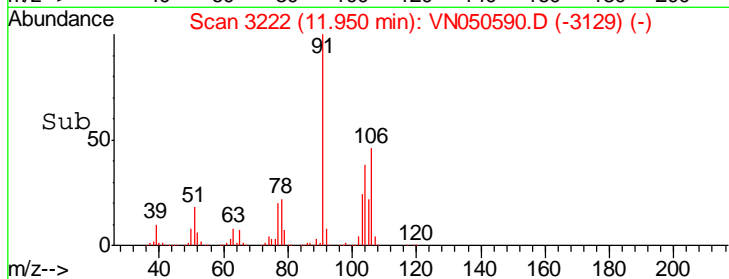
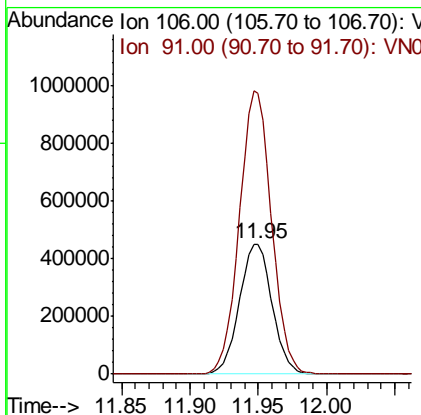
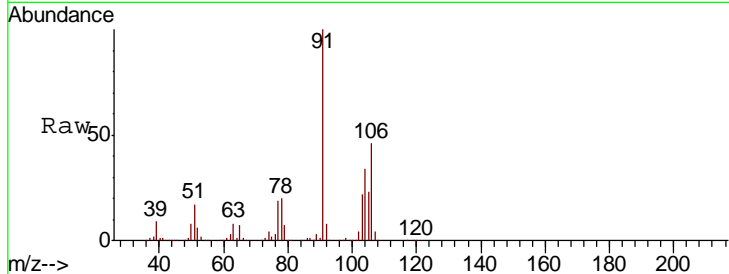
#69
 o-Xylene
 Concen: 53.98 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
106	749157		
106	100		
91	214.0	106.8	320.4

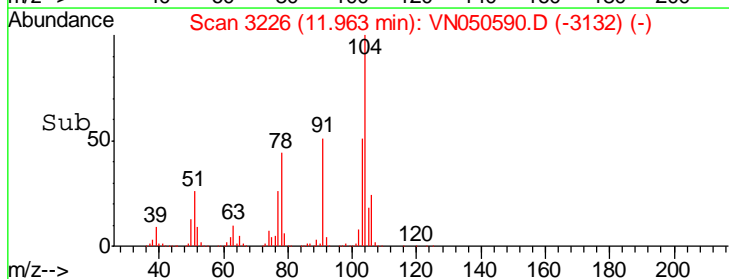
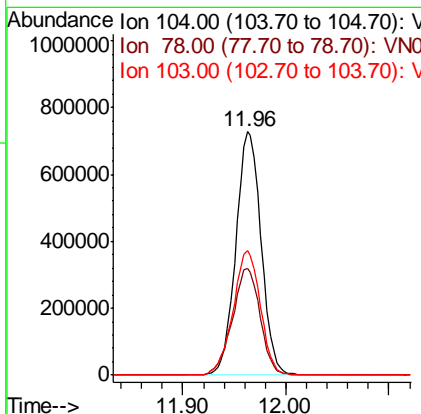
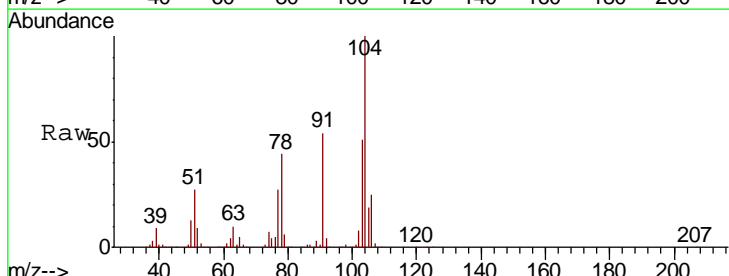
Manual Integrations
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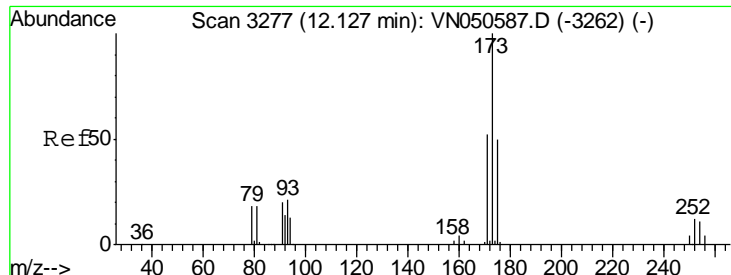
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 8/15/2018 3:21:52 PM



#70
 Styrene
 Concen: 50.24 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
104	1240103		
104	100		
78	48.1	39.1	58.7
103	55.4	44.9	67.3





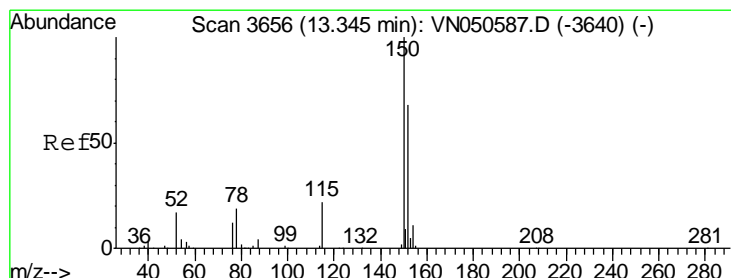
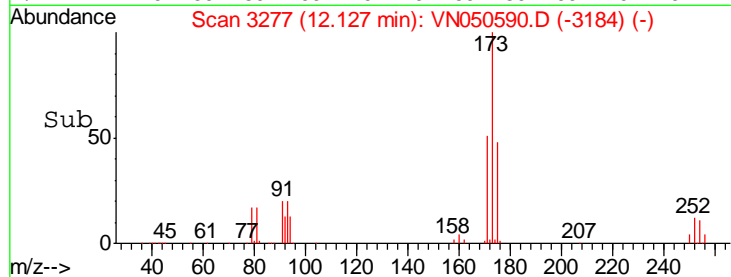
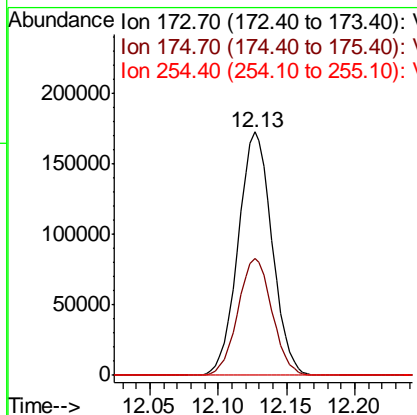
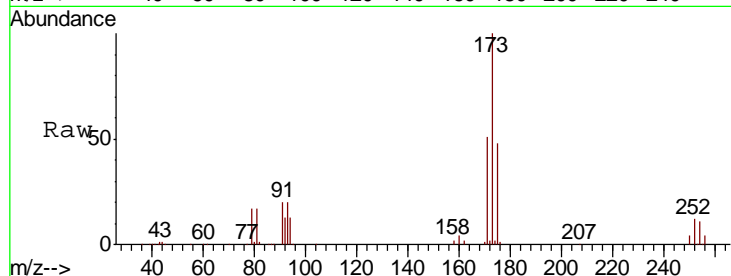
#71
 Bromoform
 Concen: 50.88 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.4	24.4	73.2
254	0.1	0.0	0.0

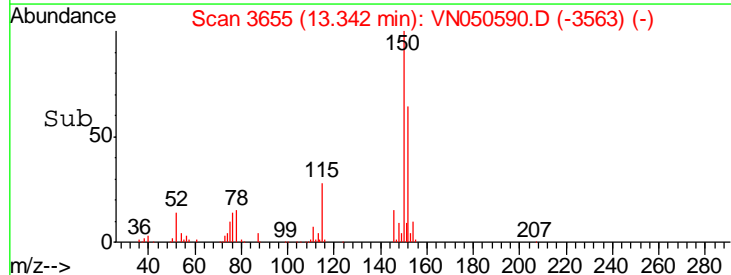
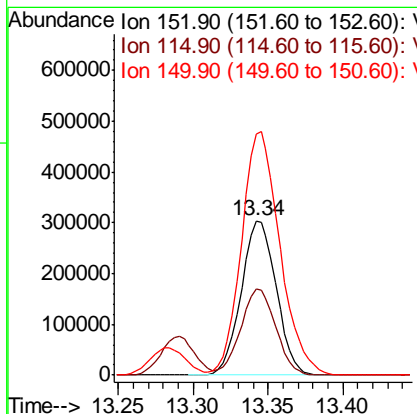
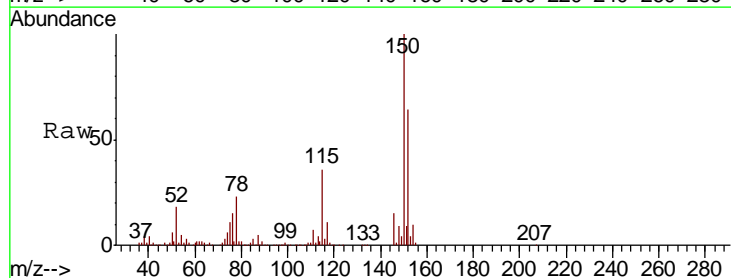
Manual Integrations
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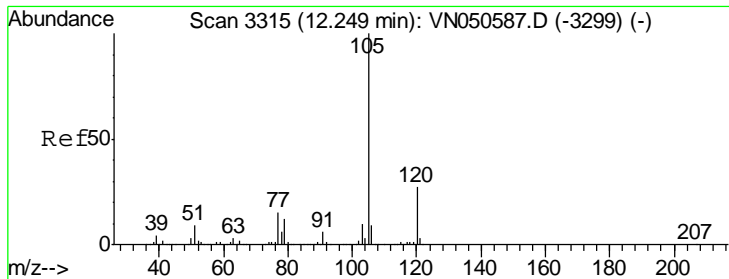
MMDadoda
 8/15/2018 3:21:52 PM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.9	28.1	84.2
150	172.9	0.0	347.8





#73
 Isopropylbenzene
 Concen: 51.46 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

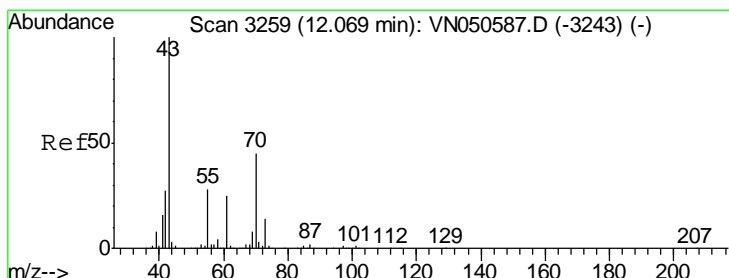
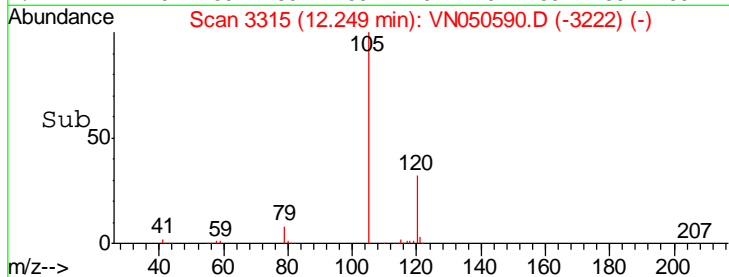
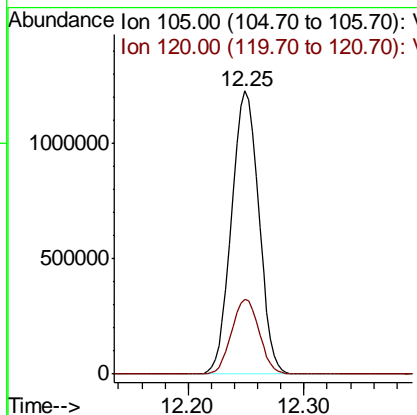
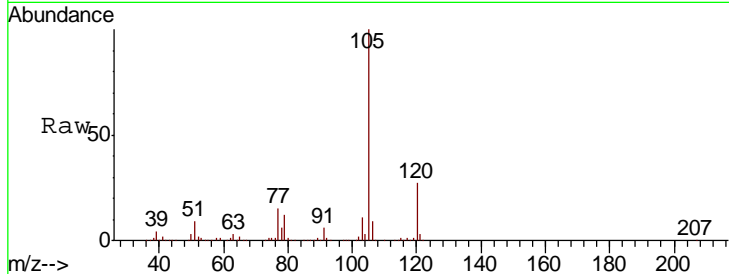
Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion: 105 Resp: 1988649

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1

Manual Integrations
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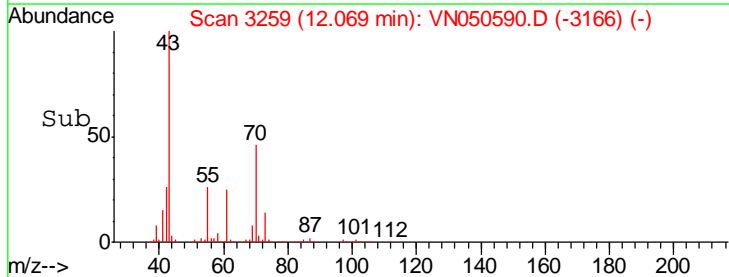
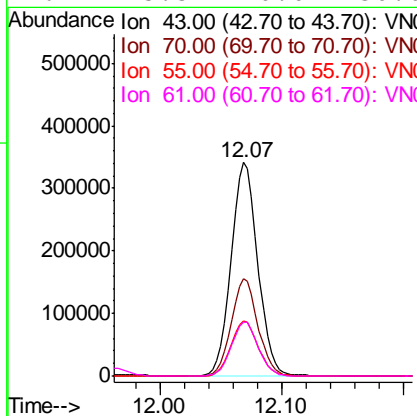
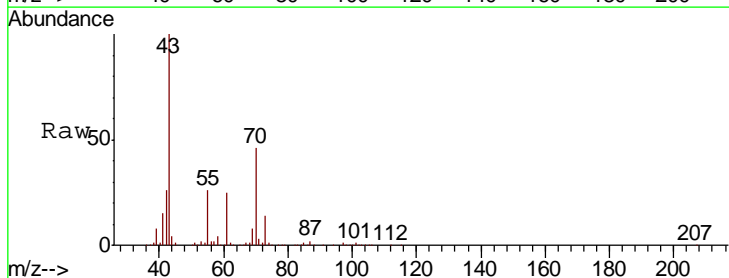
MMDadoda
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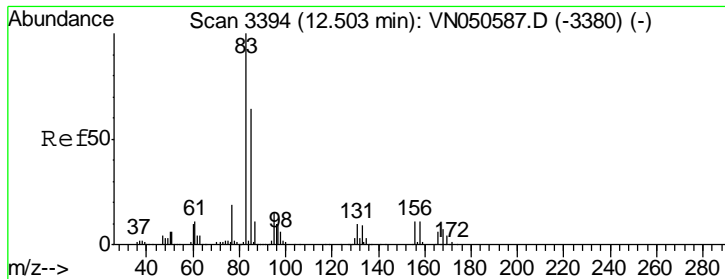


#74
 N-amyl acetate
 Concen: 51.65 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion: 43 Resp: 519294

Ion	Ratio	Lower	Upper
43	100		
70	45.6	35.9	53.9
55	26.4	22.2	33.4
61	25.5	20.0	30.0





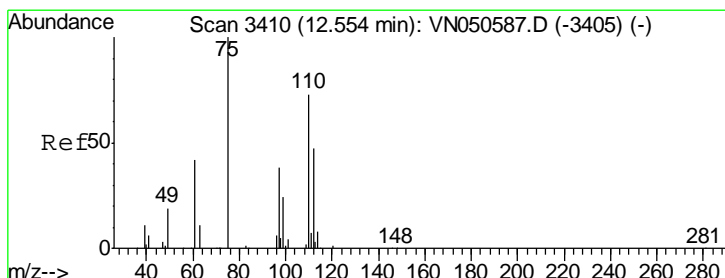
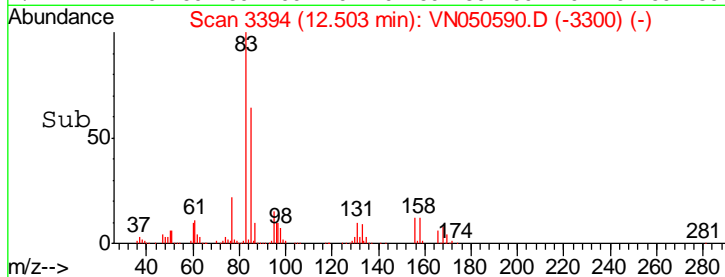
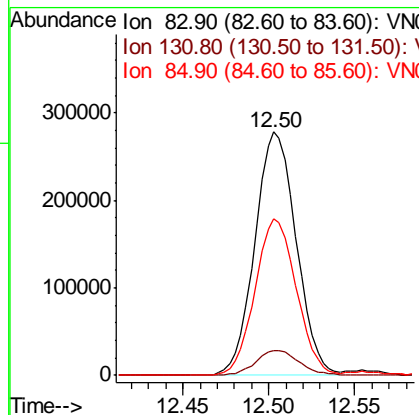
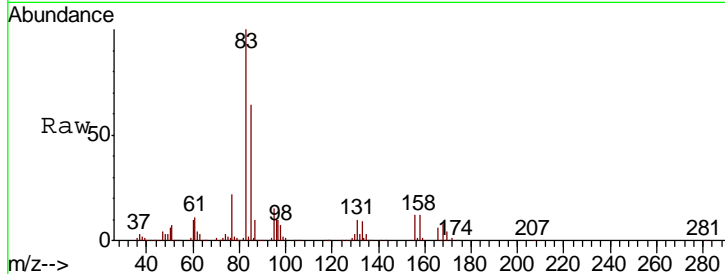
#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.77 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
83	463732		
83	100		
131	10.7	5.3	15.9
85	64.3	32.1	96.5

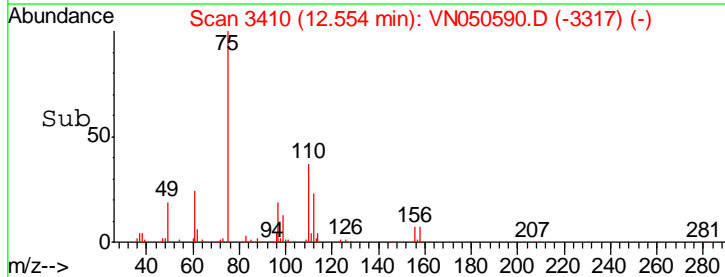
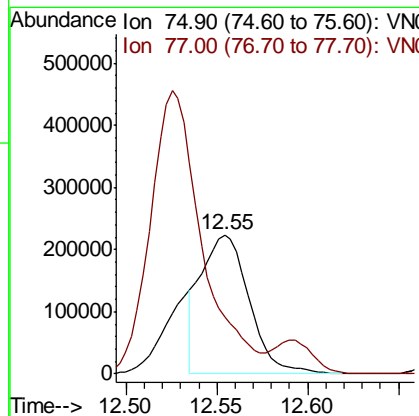
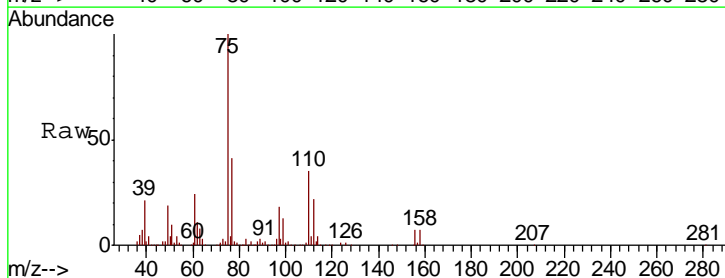
Manual Integrations
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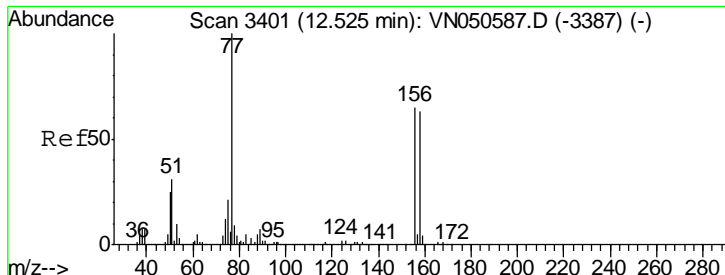
MMDadoda
 8/15/2018 3:21:52 PM



#76
 1,2,3-Trichloropropane
 Concen: 51.46 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
75	410980		
75	100		
77	0.0	0.0	0.0





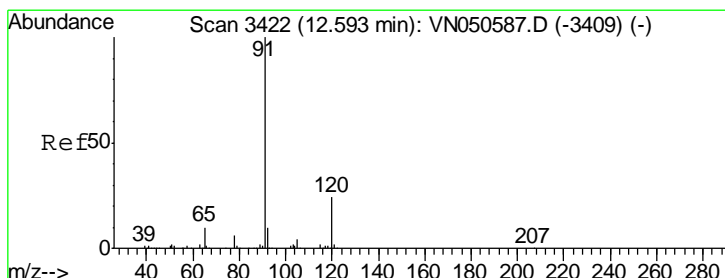
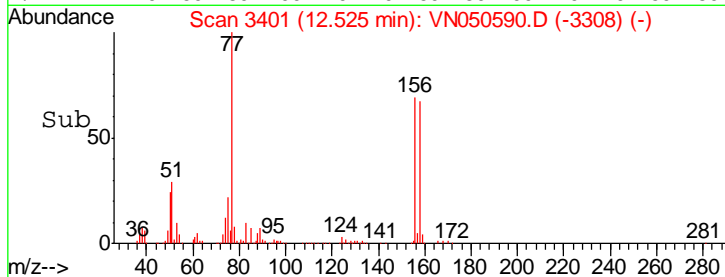
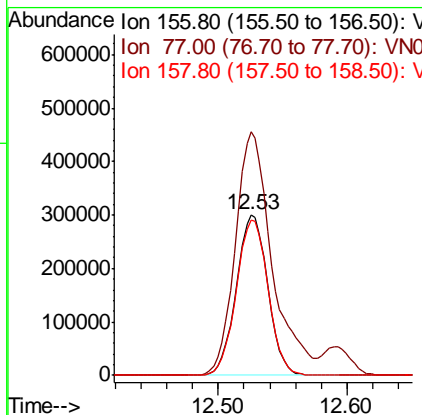
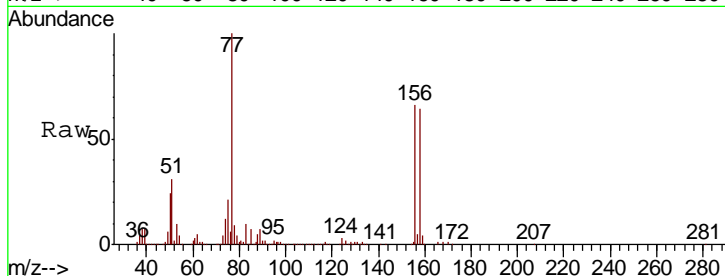
#77
 Bromobenzene
 Concen: 48.40 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
156	507821		
77	178.5	89.0	267.1
158	98.0	48.5	145.6

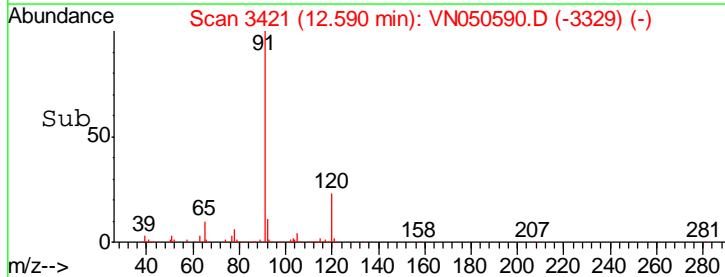
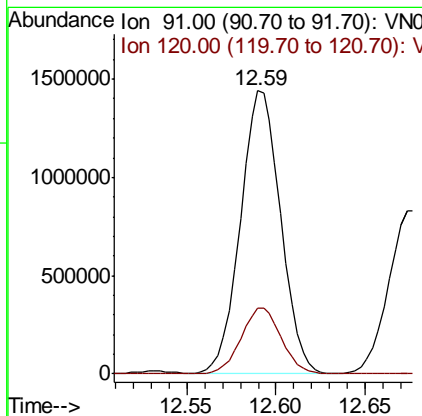
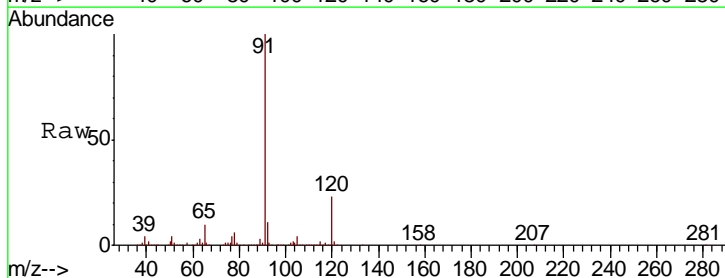
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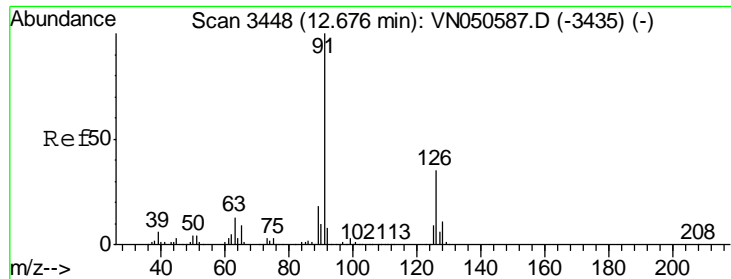
MMDadoda
 8/15/2018 3:21:52 PM



#78
 n-propylbenzene
 Concen: 52.42 ug/l
 RT: 12.59 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
91	2258868		
120	23.3	11.8	35.4





#79
 2-Chlorotoluene
 Concen: 50.19 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

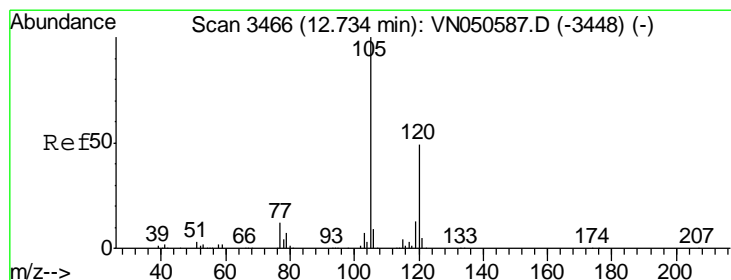
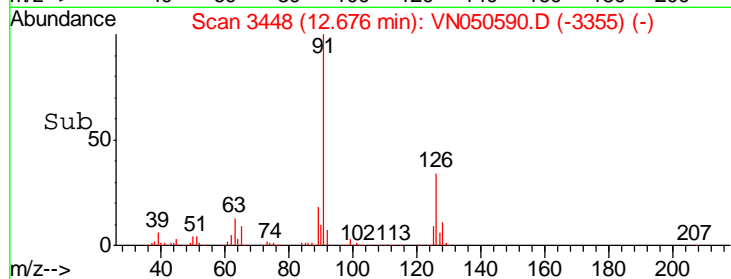
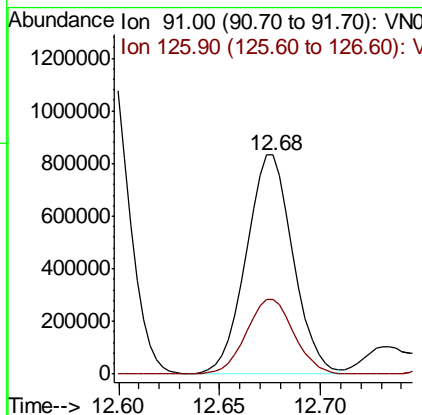
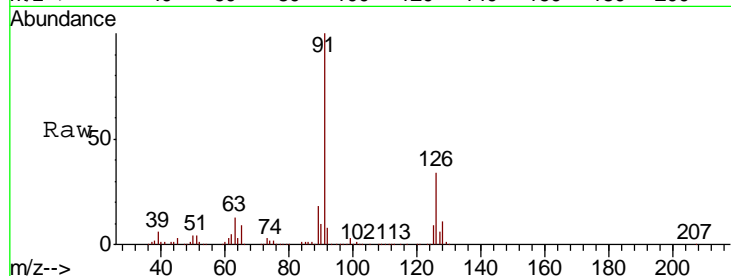
Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion: 91 Resp: 1348415

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8

Manual Integrations
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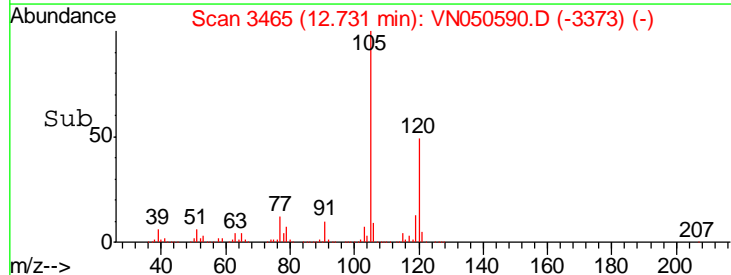
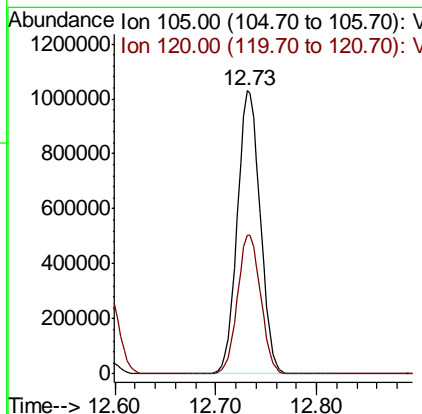
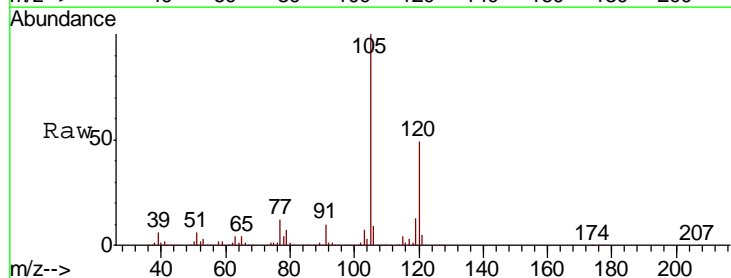
MMDadoda
 8/15/2018 3:21:52 PM

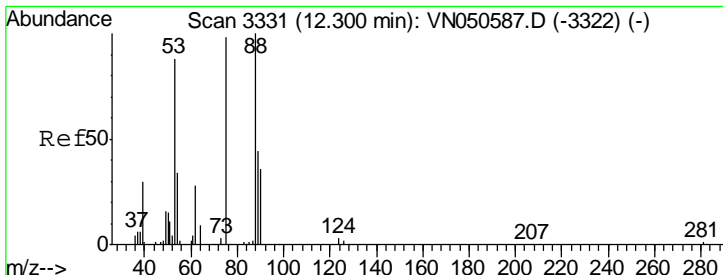


#80
 1,3,5-Trimethylbenzene
 Concen: 52.27 ug/l
 RT: 12.73 min Scan# 3465
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion: 105 Resp: 1617221

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.7	74.1





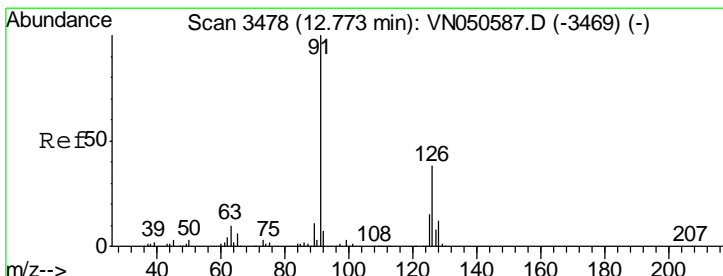
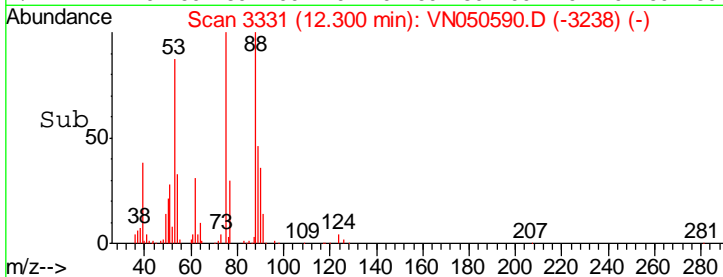
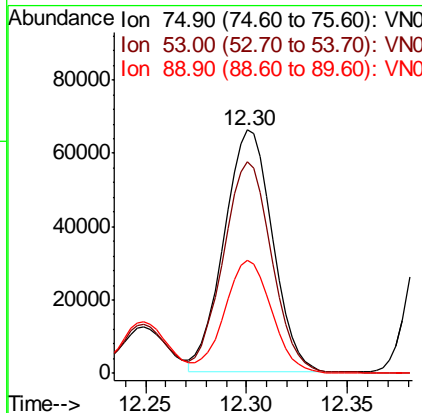
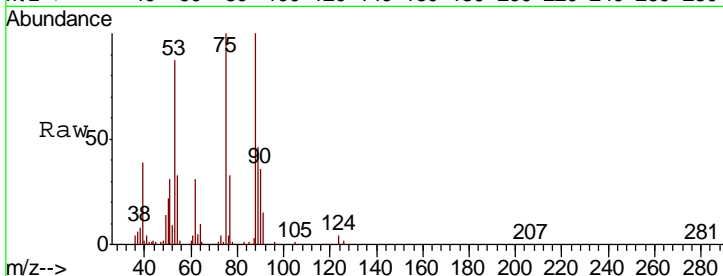
#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.04 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
75	111316		
75	100		
53	87.3	72.2	108.2
89	45.2	36.3	54.5

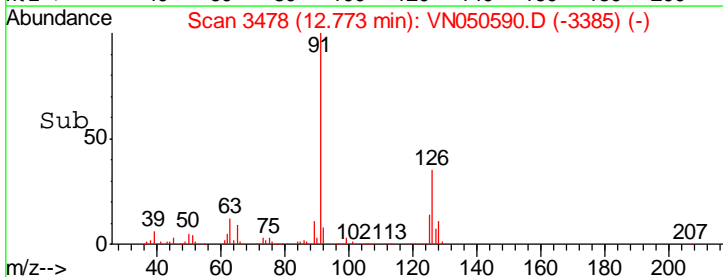
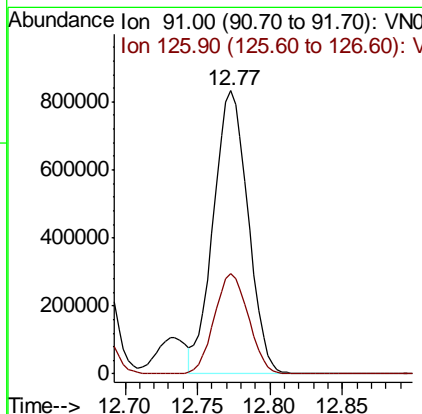
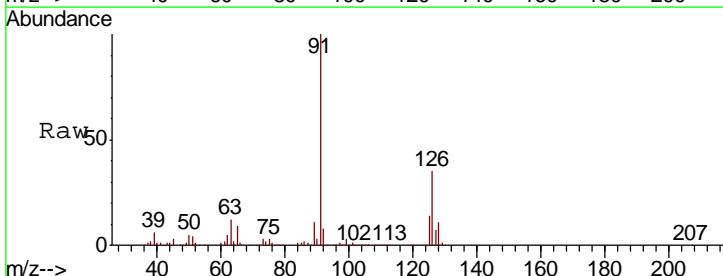
Manual Integrations
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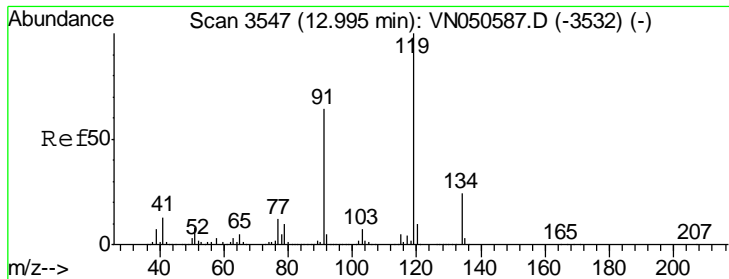
MMDadoda
 8/15/2018 3:21:52 PM



#82
 4-Chlorotoluene
 Concen: 51.75 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
91	1373986		
91	100		
126	35.0	17.3	52.0





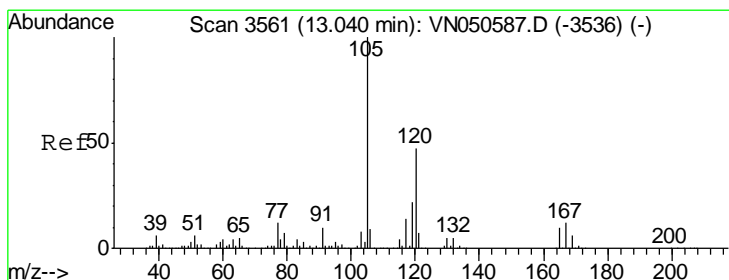
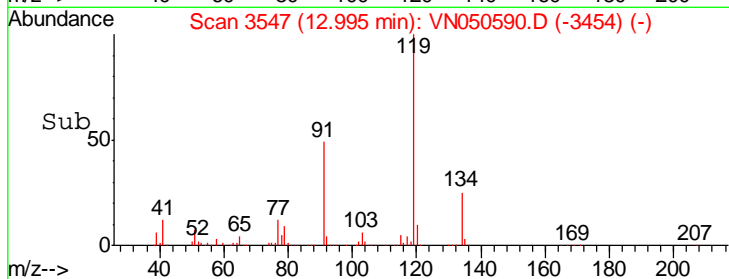
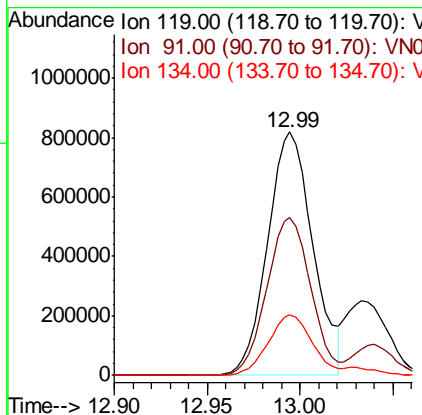
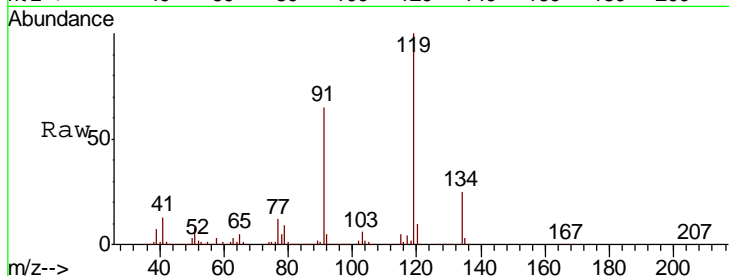
#83
 tert-Butylbenzene
 Concen: 52.00 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
119	1396484		
91	62.8	32.2	96.6
134	24.4	13.4	40.2

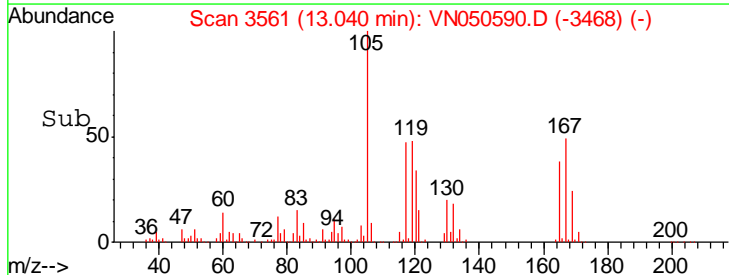
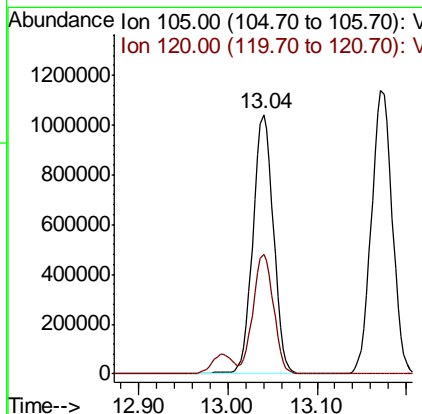
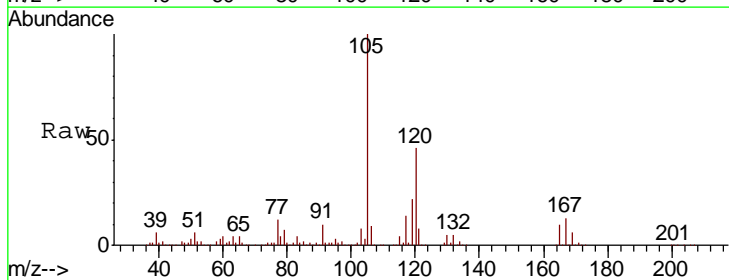
Manual Integrations
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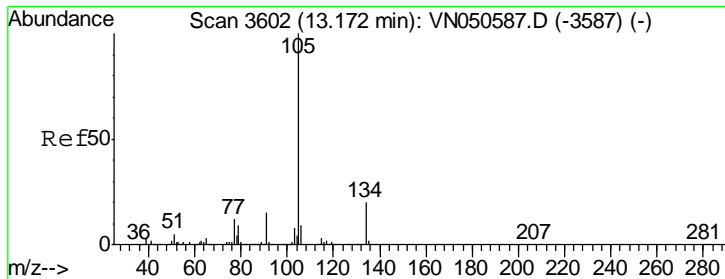
MMDadoda
 8/15/2018 3:21:52 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.48 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
105	1660794		
120	46.2	23.2	69.5





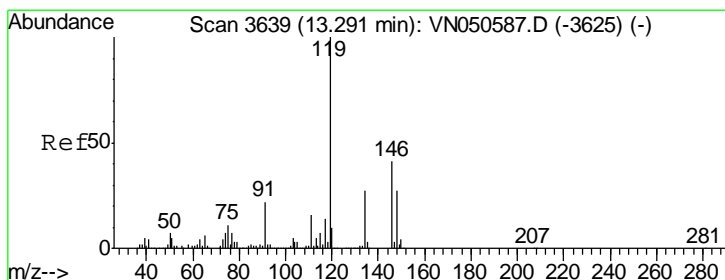
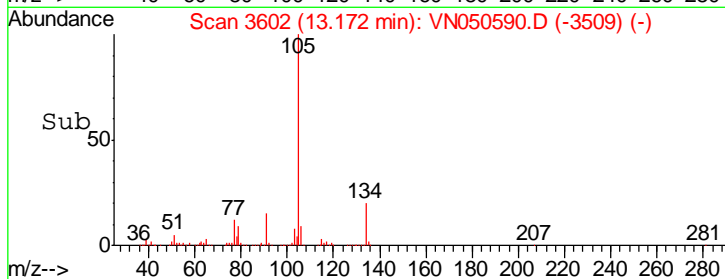
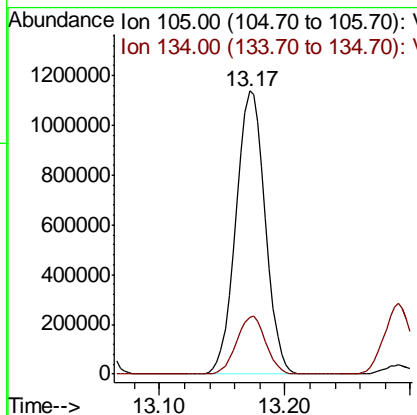
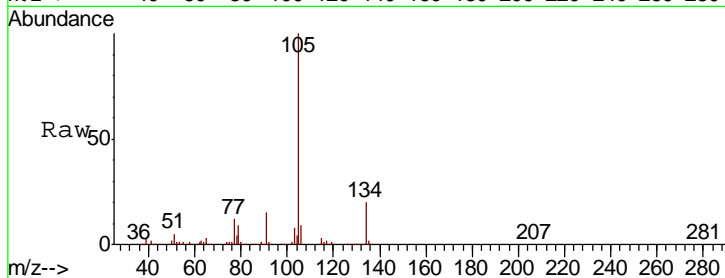
#85
 sec-Butylbenzene
 Concen: 52.34 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
105	1837115		
134	20.4	10.1	30.3

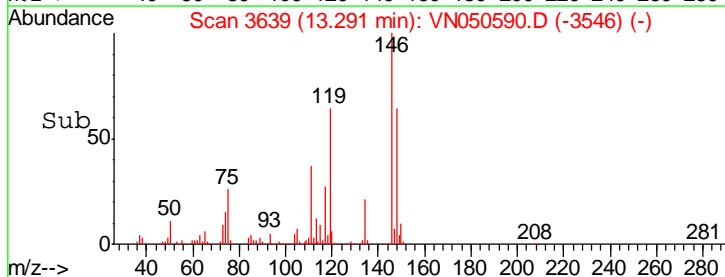
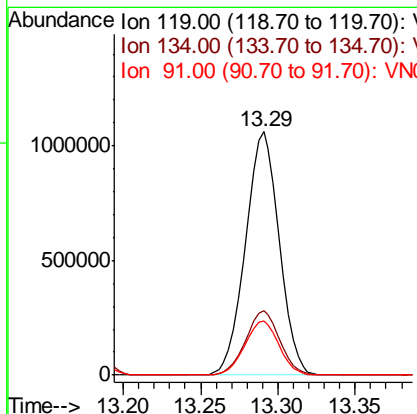
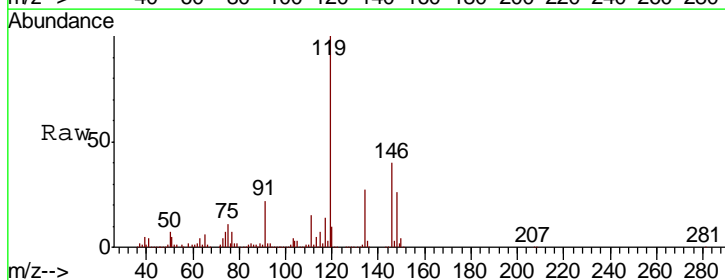
Manual Integrations
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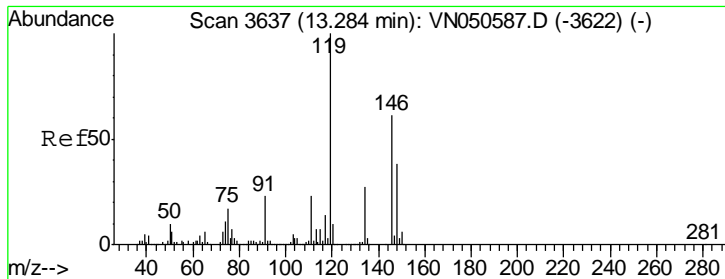
MMDadoda
 8/15/2018 3:21:52 PM



#86
 p-Isopropyltoluene
 Concen: 54.21 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
119	1612075		
134	26.5	13.5	40.4
91	22.4	11.2	33.6





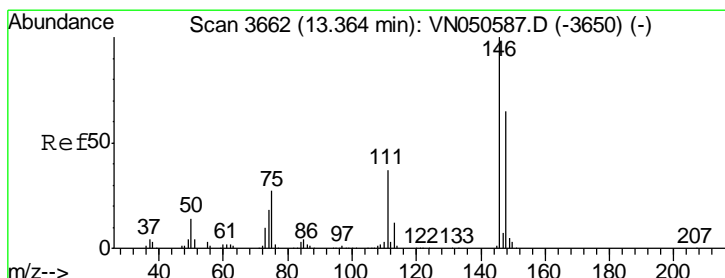
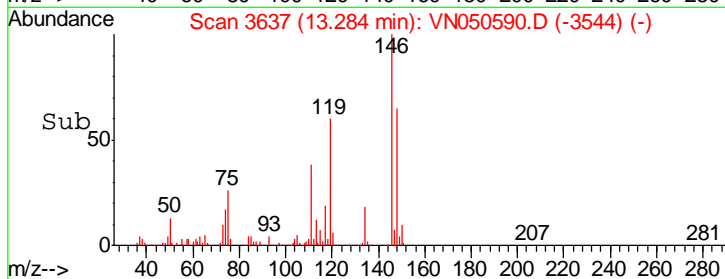
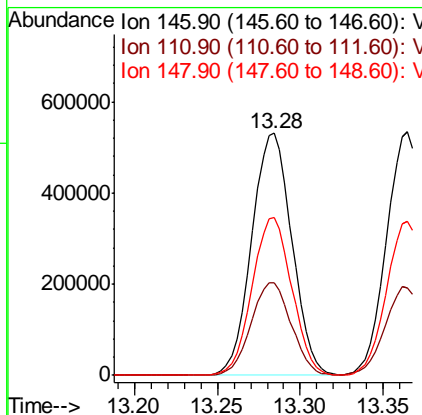
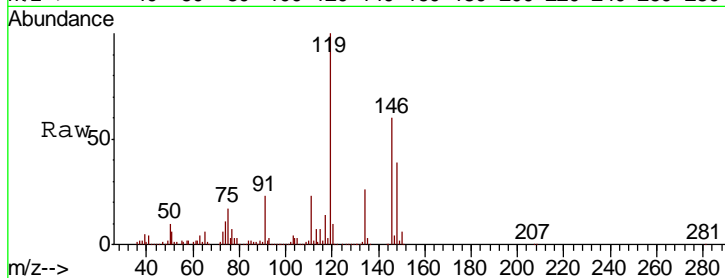
#87
 1,3-Dichlorobenzene
 Concen: 49.98 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
146	892654		
146	100		
111	38.3	19.2	57.6
148	64.5	31.9	95.7

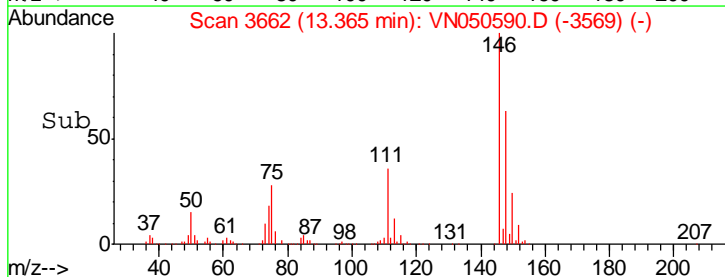
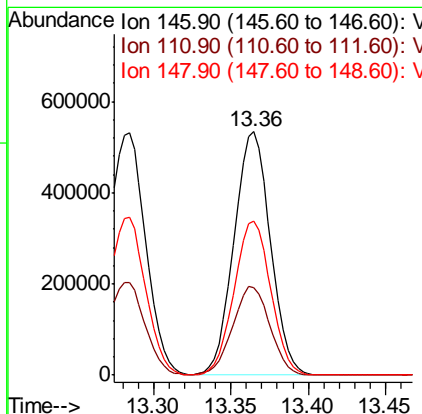
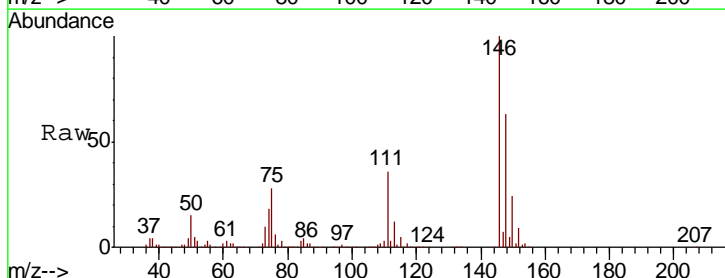
Manual Integrations
 APPROVED

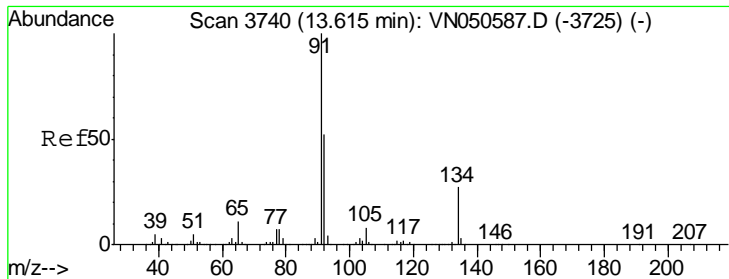
MMDadoda
 8/15/2018 3:21:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.19 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
146	871943		
146	100		
111	37.2	18.8	56.4
148	63.8	32.3	96.8





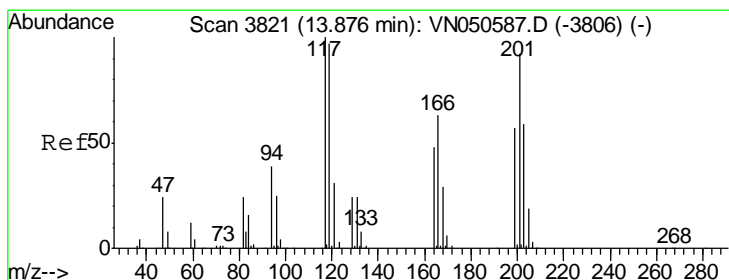
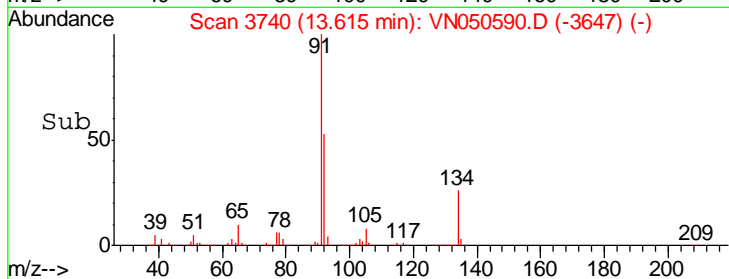
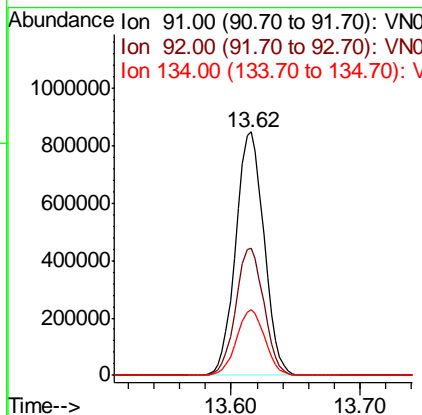
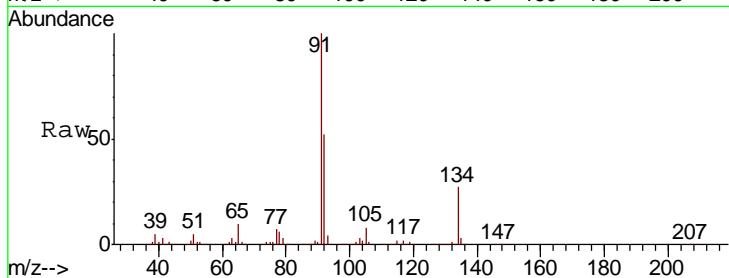
#89
 n-Butylbenzene
 Concen: 53.71 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	26.8	13.3	39.9

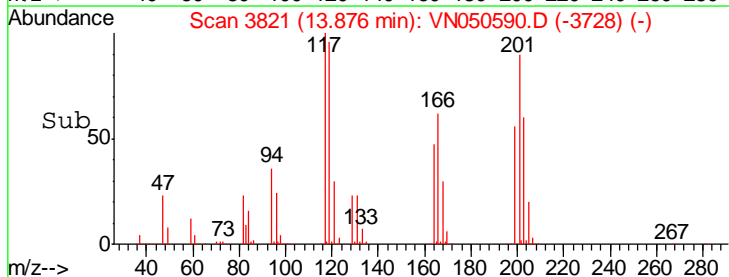
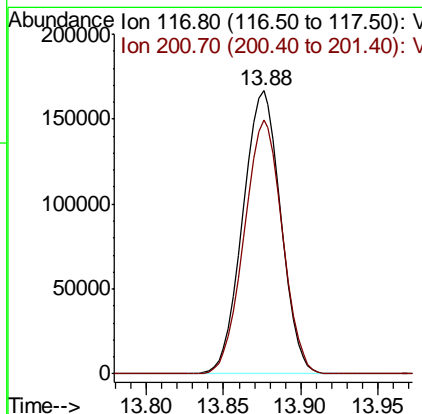
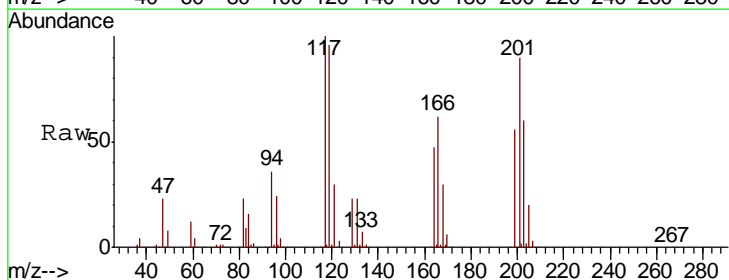
Manual Integrations
 APPROVED

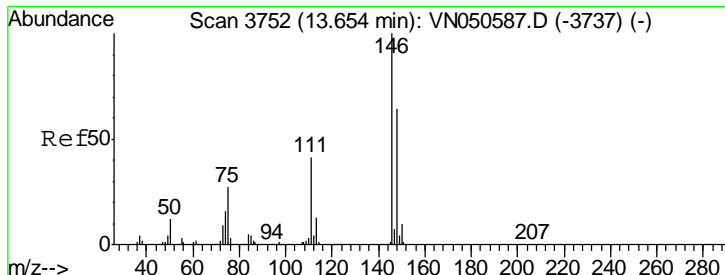
MMDadoda
 8/15/2018 3:21:52 PM



#90
 Hexachloroethane
 Concen: 47.63 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
117	100		
201	90.2	45.5	136.5





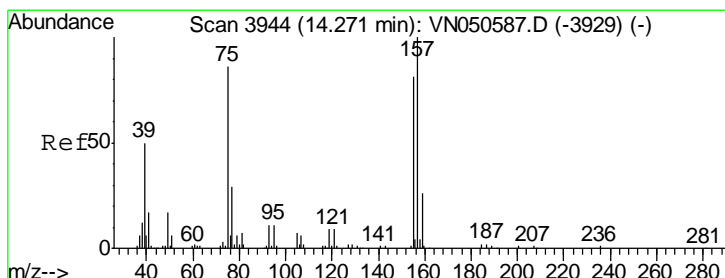
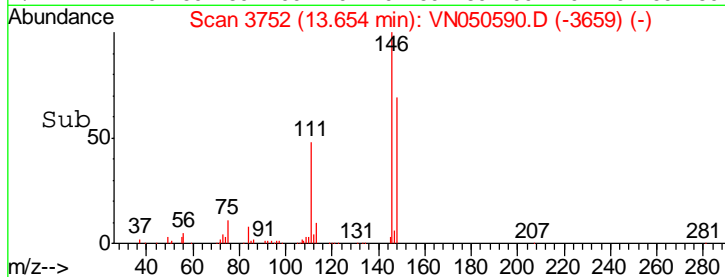
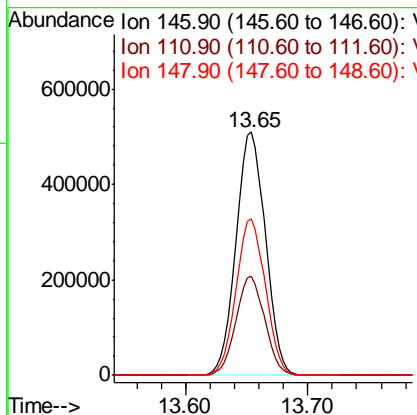
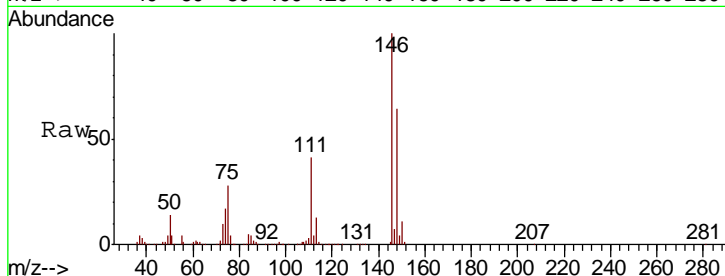
#91
 1,2-Dichlorobenzene
 Concen: 48.73 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
146	849220		
111	39.9	19.8	59.4
148	64.1	32.3	96.8

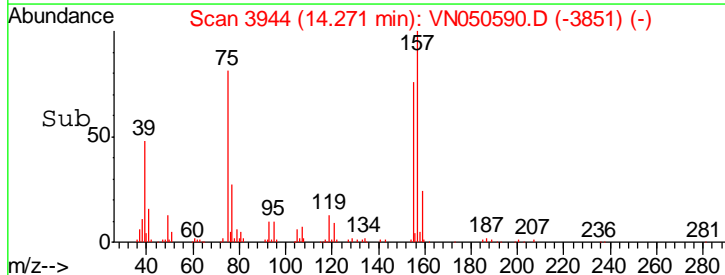
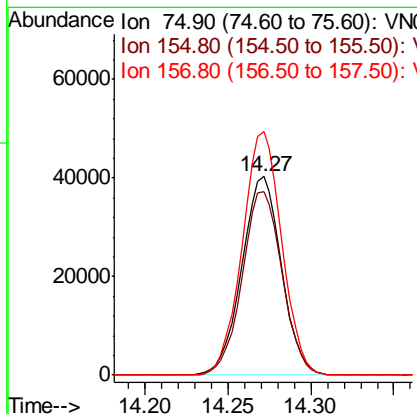
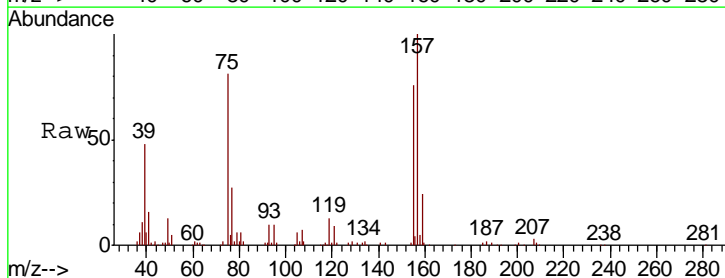
Manual Integrations
 APPROVED

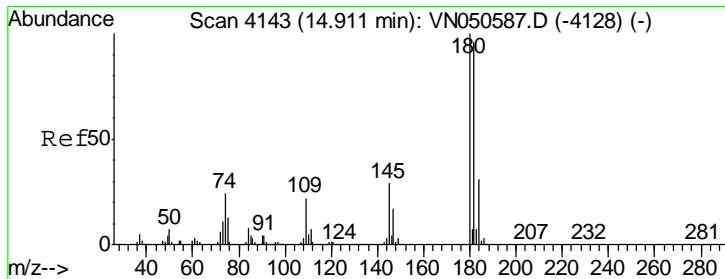
MMDadoda
 8/15/2018 3:21:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.55 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
75	66936		
155	92.9	46.6	139.8
157	121.7	58.1	174.2





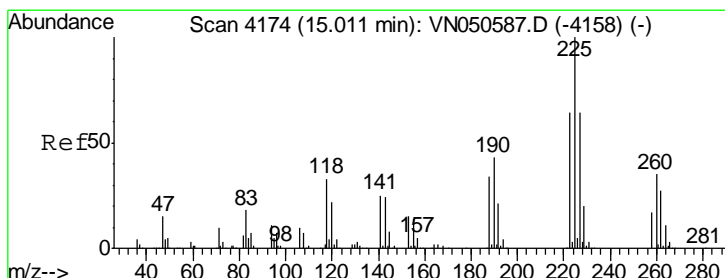
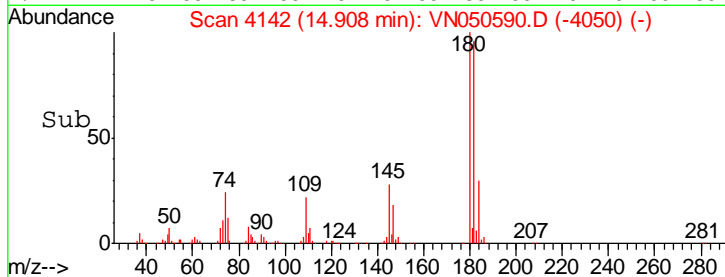
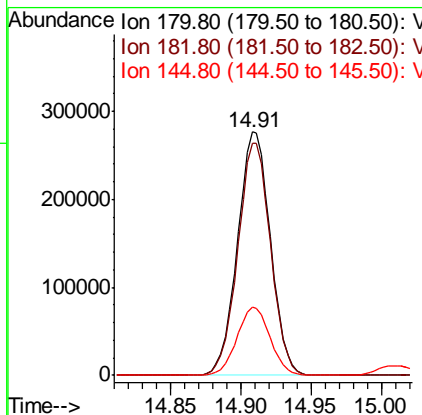
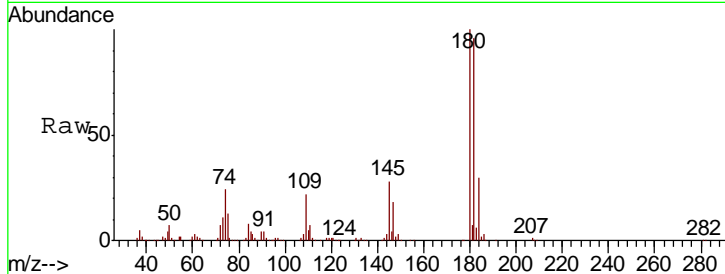
#93
 1,2,4-Trichlorobenzene
 Concen: 50.52 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	28.1	14.4	43.4

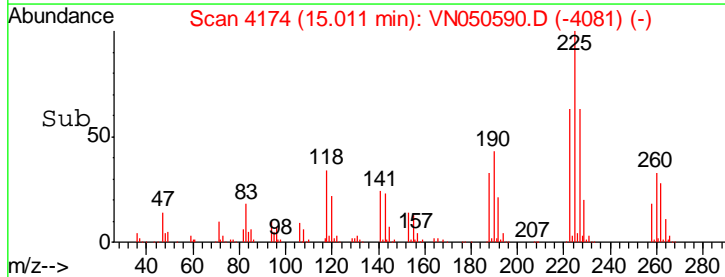
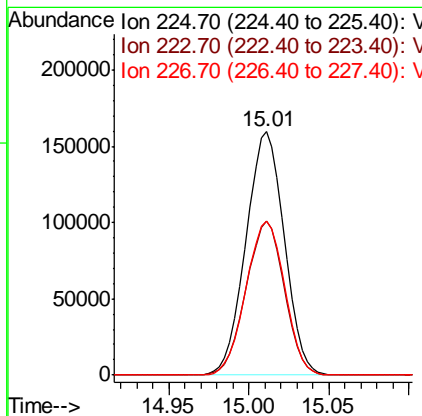
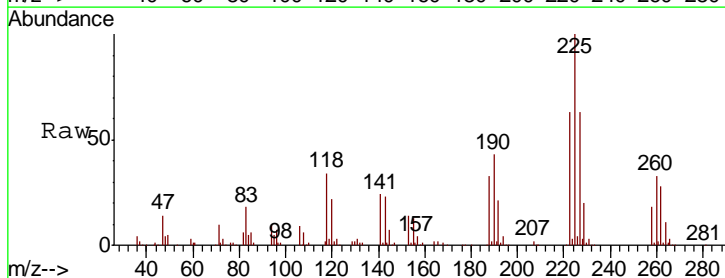
Manual Integrations
 APPROVED

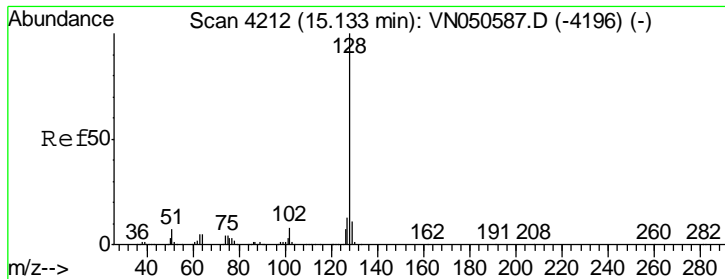
MMDadoda
 8/15/2018 3:21:52 PM



#94
 Hexachlorobutadiene
 Concen: 48.82 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
225	100		
223	63.2	32.1	96.3
227	64.1	32.0	96.2





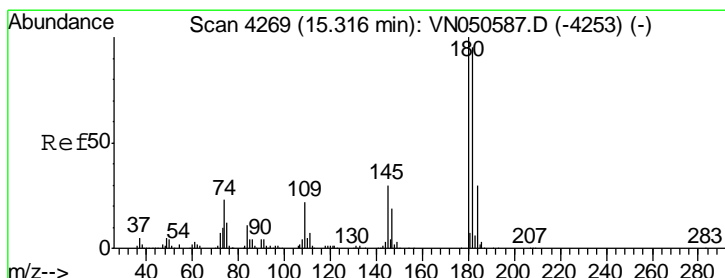
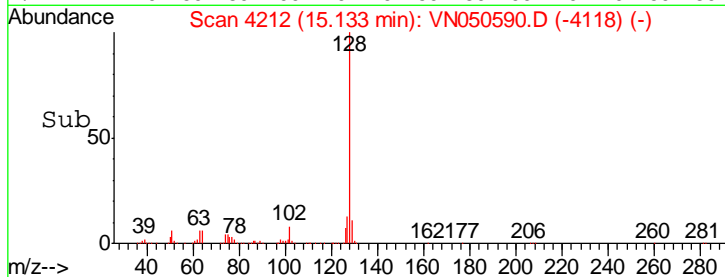
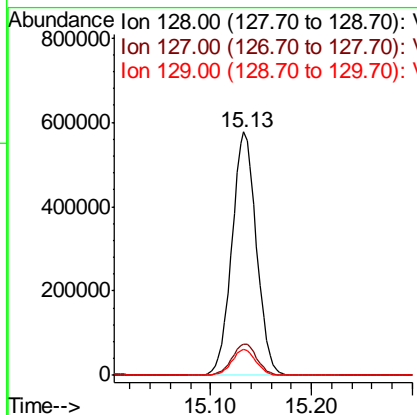
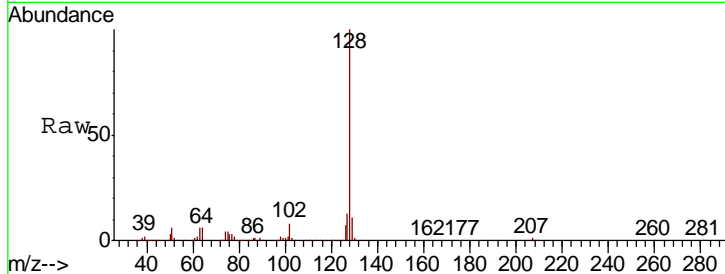
#95
 Naphthalene
 Concen: 51.15 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.6	8.5	12.7

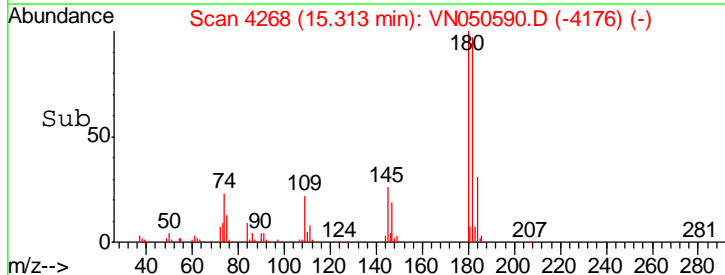
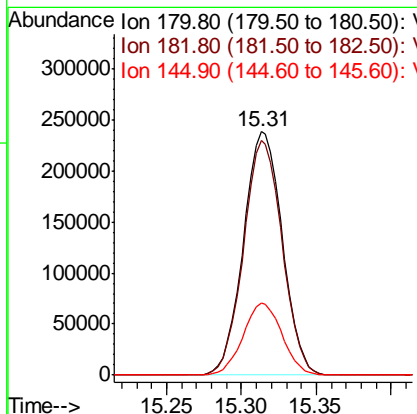
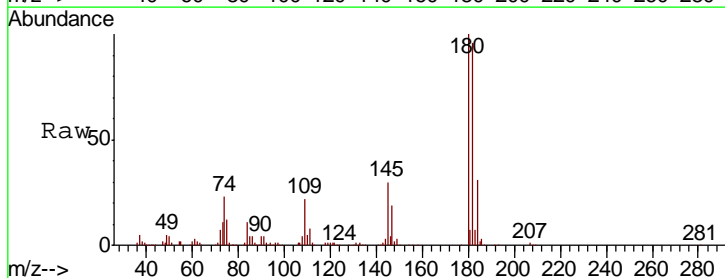
Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:52 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 51.56 ug/l
 RT: 15.31 min Scan# 4268
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.7	47.3	141.8
145	29.5	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	105	0.00
2 T	Dichlorodifluoromethane	0.564	0.533	5.5	103	0.00
3 P	Chloromethane	0.769	0.718	6.6	112	0.00
4 C	Vinyl Chloride	0.749	0.702	6.3#	104	0.00
5 T	Bromomethane	0.484	0.406	16.1	104	0.00
6 T	Chloroethane	0.470	0.418	11.1	104	0.00
7 T	Trichlorofluoromethane	0.983	0.909	7.5	105	0.00
8 T	Diethyl Ether	0.327	0.320	2.1	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.594	0.554	6.7	104	0.00
10 T	Methyl Iodide	0.384	0.468	-21.9#	134	0.00
11 T	Tert butyl alcohol	0.034	0.036	-5.9	113	0.00
12 CM	1,1-Dichloroethene	0.543	0.530	2.4#	108	0.00
13 T	Acrolein	0.014	0.013	7.1	108	0.00
14 T	Allyl chloride	0.844	0.824	2.4	107	0.00
15 T	Acrylonitrile	0.189	0.188	0.5	106	0.00
16 T	Acetone	0.174	0.158	9.2	107	0.00
17 T	Carbon Disulfide	1.707	1.675	1.9	110	0.00
18 T	Methyl Acetate	0.591	0.439	25.7#	107	0.00
19 T	Methyl tert-butyl Ether	1.381	1.427	-3.3	108	0.00
20 T	Methylene Chloride	0.685	0.607	11.4	106	0.00
21 T	trans-1,2-Dichloroethene	0.588	0.574	2.4	107	0.00
22 T	Diisopropyl ether	1.730	1.779	-2.8	105	0.00
23 T	Vinyl Acetate	1.132	1.190	-5.1	106	0.00
24 P	1,1-Dichloroethane	1.120	1.054	5.9	106	0.00
25 T	2-Butanone	0.258	0.255	1.2	106	0.00
26 T	2,2-Dichloropropane	0.749	0.669	10.7	103	0.00
27 T	cis-1,2-Dichloroethene	0.655	0.642	2.0	107	0.00
28 T	Bromochloromethane	0.510	0.491	3.7	104	0.00
29 T	Tetrahydrofuran	0.135	0.138	-2.2	106	0.00
30 C	Chloroform	1.135	1.058	6.8#	105	0.00
31 T	Cyclohexane	1.095	0.959	12.4	106	0.00
32 T	1,1,1-Trichloroethane	0.955	0.902	5.5	105	0.00
33 S	1,2-Dichloroethane-d4	0.630	0.624	1.0	106	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
35 S	Dibromofluoromethane	0.399	0.400	-0.3	106	0.00
36 T	1,1-Dichloropropene	0.557	0.559	-0.4	106	0.00
37 T	Ethyl Acetate	0.315	0.324	-2.9	107	0.00
38 T	Carbon Tetrachloride	0.577	0.550	4.7	106	0.00
39 T	Methylcyclohexane	0.576	0.606	-5.2	106	0.00
40 TM	Benzene	1.693	1.671	1.3	105	0.00
41 T	Methacrylonitrile	0.170	0.180	-5.9	107	0.00
42 TM	1,2-Dichloroethane	0.519	0.502	3.3	106	0.00
43 T	Isopropyl Acetate	0.573	0.571	0.3	107	0.00
44 TM	Trichloroethene	0.454	0.441	2.9	106	0.00
45 C	1,2-Dichloropropane	0.451	0.437	3.1#	106	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.266	0.255	4.1	107	0.00
47 T	Bromodichloromethane	0.569	0.546	4.0	105	0.00
48 T	Methyl methacrylate	0.289	0.285	1.4	106	0.00
49 T	1,4-Dioxane	0.004	0.004	0.0	107	0.00
50 S	Toluene-d8	1.502	1.535	-2.2	108	0.00
51 T	4-Methyl-2-Pentanone	0.388	0.396	-2.1	105	0.00
52 CM	Toluene	1.011	1.035	-2.4#	106	0.00
53 T	t-1,3-Dichloropropene	0.530	0.546	-3.0	108	0.00
54 T	cis-1,3-Dichloropropene	0.608	0.629	-3.5	106	0.00
55 T	1,1,2-Trichloroethane	0.378	0.366	3.2	105	0.00
56 T	Ethyl methacrylate	0.427	0.466	-9.1	108	0.00
57 T	1,3-Dichloropropane	0.619	0.614	0.8	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.200	0.224	-12.0	107	0.00
59 T	2-Hexanone	0.250	0.262	-4.8	105	0.00
60 T	Dibromochloromethane	0.417	0.421	-1.0	107	0.00
61 T	1,2-Dibromoethane	0.360	0.366	-1.7	108	0.00
62 S	4-Bromofluorobenzene	0.496	0.520	-4.8	110	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64 T	Tetrachloroethene	0.464	0.444	4.3	103	0.00
65 PM	Chlorobenzene	1.244	1.245	-0.1	107	0.00
66 T	1,1,1,2-Tetrachloroethane	0.466	0.455	2.4	106	0.00
67 C	Ethyl Benzene	2.009	2.139	-6.5#	107	0.00
68 T	m/p-Xylenes	0.768	0.824	-7.3	106	0.00
69 T	o-Xylene	0.733	0.791	-7.9	107	0.00
70 T	Styrene	1.177	1.310	-11.3	108	0.00
71 P	Bromoform	0.309	0.315	-1.9	108	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
73 T	Isopropylbenzene	3.907	4.021	-2.9	107	0.00
74 T	N-amyl acetate	1.016	1.050	-3.3	109	0.00
75 P	1,1,2,2-Tetrachloroethane	1.068	0.938	12.2	106	0.00
76 T	1,2,3-Trichloropropane	0.899	0.831	7.6	114	0.00
77 T	Bromobenzene	1.061	1.027	3.2	107	0.00
78 T	n-propylbenzene	4.356	4.567	-4.8	106	0.00
79 T	2-Chlorotoluene	2.716	2.726	-0.4	106	0.00
80 T	1,3,5-Trimethylbenzene	3.128	3.270	-4.5	106	0.00
81 T	trans-1,4-Dichloro-2-butene	0.225	0.225	0.0	108	0.00
82 T	4-Chlorotoluene	2.684	2.778	-3.5	107	0.00
83 T	tert-Butylbenzene	2.715	2.823	-4.0	109	0.00
84 T	1,2,4-Trimethylbenzene	3.139	3.358	-7.0	106	0.00
85 T	sec-Butylbenzene	3.548	3.714	-4.7	107	0.00
86 T	p-Isopropyltoluene	3.006	3.259	-8.4	107	0.00
87 T	1,3-Dichlorobenzene	1.806	1.805	0.1	108	0.00
88 T	1,4-Dichlorobenzene	1.792	1.763	1.6	108	0.00
89 T	n-Butylbenzene	2.428	2.608	-7.4	108	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.605	0.576	4.8	111	0.00
91 T	1,2-Dichlorobenzene	1.762	1.717	2.6	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.139	0.135	2.9	107	0.00
93 T	1,2,4-Trichlorobenzene	0.767	0.914	-19.2	113	0.00
94 T	Hexachlorobutadiene	0.540	0.527	2.4	112	0.00
95 T	Naphthalene	1.531	1.971	-28.7#	118	0.00
96 T	1,2,3-Trichlorobenzene	0.745	0.872	-17.0	113	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2 T	Dichlorodifluoromethane	50.000	47.240	5.5	103	0.00
3 P	Chloromethane	50.000	52.311	-4.6	112	0.00
4 C	Vinyl Chloride	50.000	46.896	6.2#	104	0.00
5 T	Bromomethane	50.000	50.496	-1.0	104	0.00
6 T	Chloroethane	50.000	50.204	-0.4	104	0.00
7 T	Trichlorofluoromethane	50.000	46.250	7.5	105	0.00
8 T	Diethyl Ether	50.000	48.951	2.1	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.585	6.8	104	0.00
10 T	Methyl Iodide	50.000	54.604	-9.2	134	0.00
11 T	Tert butyl alcohol	250.000	258.677	-3.5	113	0.00
12 CM	1,1-Dichloroethene	50.000	48.807	2.4#	108	0.00
13 T	Acrolein	250.000	244.509	2.2	108	0.00
14 T	Allyl chloride	50.000	48.834	2.3	107	0.00
15 T	Acrylonitrile	250.000	248.164	0.7	106	0.00
16 T	Acetone	250.000	250.351	-0.1	107	0.00
17 T	Carbon Disulfide	50.000	49.068	1.9	110	0.00
18 T	Methyl Acetate	50.000	49.579	0.8	107	0.00
19 T	Methyl tert-butyl Ether	50.000	51.679	-3.4	108	0.00
20 T	Methylene Chloride	50.000	50.700	-1.4	106	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.797	2.4	107	0.00
22 T	Diisopropyl ether	50.000	51.410	-2.8	105	0.00
23 T	Vinyl Acetate	250.000	262.775	-5.1	106	0.00
24 P	1,1-Dichloroethane	50.000	47.060	5.9	106	0.00
25 T	2-Butanone	250.000	246.439	1.4	106	0.00
26 T	2,2-Dichloropropane	50.000	44.656	10.7	103	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.043	1.9	107	0.00
28 T	Bromochloromethane	50.000	48.152	3.7	104	0.00
29 T	Tetrahydrofuran	250.000	255.605	-2.2	106	0.00
30 C	Chloroform	50.000	46.617	6.8#	105	0.00
31 T	Cyclohexane	50.000	50.180	-0.4	106	0.00
32 T	1,1,1-Trichloroethane	50.000	47.252	5.5	105	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.488	1.0	106	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00
35 S	Dibromofluoromethane	50.000	50.062	-0.1	106	0.00
36 T	1,1-Dichloropropene	50.000	50.261	-0.5	106	0.00
37 T	Ethyl Acetate	50.000	51.446	-2.9	107	0.00
38 T	Carbon Tetrachloride	50.000	47.622	4.8	106	0.00
39 T	Methylcyclohexane	50.000	52.557	-5.1	106	0.00
40 TM	Benzene	50.000	49.343	1.3	105	0.00
41 T	Methacrylonitrile	50.000	53.029	-6.1	107	0.00
42 TM	1,2-Dichloroethane	50.000	48.384	3.2	106	0.00
43 T	Isopropyl Acetate	50.000	49.777	0.4	107	0.00
44 TM	Trichloroethene	50.000	48.593	2.8	106	0.00
45 C	1,2-Dichloropropane	50.000	48.449	3.1#	106	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	47.886	4.2	107	0.00
47 T	Bromodichloromethane	50.000	47.951	4.1	105	0.00
48 T	Methyl methacrylate	50.000	49.411	1.2	106	0.00
49 T	1,4-Dioxane	1000.000	1010.708	-1.1	107	0.00
50 S	Toluene-d8	50.000	51.072	-2.1	108	0.00
51 T	4-Methyl-2-Pentanone	250.000	255.333	-2.1	105	0.00
52 CM	Toluene	50.000	51.187	-2.4#	106	0.00
53 T	t-1,3-Dichloropropene	50.000	51.532	-3.1	108	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.712	-3.4	106	0.00
55 T	1,1,2-Trichloroethane	50.000	48.386	3.2	105	0.00
56 T	Ethyl methacrylate	50.000	48.441	3.1	108	0.00
57 T	1,3-Dichloropropane	50.000	49.604	0.8	106	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	242.498	3.0	107	0.00
59 T	2-Hexanone	250.000	261.542	-4.6	105	0.00
60 T	Dibromochloromethane	50.000	50.445	-0.9	107	0.00
61 T	1,2-Dibromoethane	50.000	50.838	-1.7	108	0.00
62 S	4-Bromofluorobenzene	50.000	52.390	-4.8	110	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	106	0.00
64 T	Tetrachloroethene	50.000	47.804	4.4	103	0.00
65 PM	Chlorobenzene	50.000	50.015	-0.0	107	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.823	2.4	106	0.00
67 C	Ethyl Benzene	50.000	53.236	-6.5#	107	0.00
68 T	m/p-Xylenes	100.000	107.220	-7.2	106	0.00
69 T	o-Xylene	50.000	53.983	-8.0	107	0.00
70 T	Styrene	50.000	50.241	-0.5	108	0.00
71 P	Bromoform	50.000	50.876	-1.8	108	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	106	0.00
73 T	Isopropylbenzene	50.000	51.462	-2.9	107	0.00
74 T	N-amyl acetate	50.000	51.652	-3.3	109	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.770	-3.5	106	0.00
76 T	1,2,3-Trichloropropane	50.000	51.459	-2.9	114	0.00
77 T	Bromobenzene	50.000	48.402	3.2	107	0.00
78 T	n-propylbenzene	50.000	52.421	-4.8	106	0.00
79 T	2-Chlorotoluene	50.000	50.191	-0.4	106	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.269	-4.5	106	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.036	-0.1	108	0.00
82 T	4-Chlorotoluene	50.000	51.754	-3.5	107	0.00
83 T	tert-Butylbenzene	50.000	51.996	-4.0	109	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.480	-7.0	106	0.00
85 T	sec-Butylbenzene	50.000	52.343	-4.7	107	0.00
86 T	p-Isopropyltoluene	50.000	54.206	-8.4	107	0.00
87 T	1,3-Dichlorobenzene	50.000	49.979	0.0	108	0.00
88 T	1,4-Dichlorobenzene	50.000	49.188	1.6	108	0.00
89 T	n-Butylbenzene	50.000	53.705	-7.4	108	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	47.634	4.7	111	0.00
91 T	1,2-Dichlorobenzene	50.000	48.735	2.5	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.547	2.9	107	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.516	-1.0	113	0.00
94 T	Hexachlorobutadiene	50.000	48.819	2.4	112	0.00
95 T	Naphthalene	50.000	51.147	-2.3	118	0.00
96 T	1,2,3-Trichlorobenzene	50.000	51.565	-3.1	113	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG No.: J4465
 Instrument ID: MSVOA_N Calibration Date/Time: 08/14/2018 10:45
 Lab File ID: VN050592.D Init. Calib. Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.564	0.509		-9.75	20
Chloromethane	0.769	0.654	0.1	-14.95	20
Vinyl Chloride	0.749	0.666		-11.08	20
Bromomethane	0.484	0.360		-25.62	20
Chloroethane	0.470	0.401		-14.68	20
Trichlorofluoromethane	0.983	0.856		-12.92	20
1,1,2-Trichlorotrifluoroethane	0.594	0.541		-8.92	20
1,1-Dichloroethene	0.543	0.486		-10.5	20
Acetone	0.174	0.154		-11.49	20
Carbon Disulfide	1.707	1.529		-10.43	20
Methyl tert-butyl Ether	1.381	1.301		-5.79	20
Methyl Acetate	0.591	0.405		-31.47	20
Methylene Chloride	0.685	0.565		-17.52	20
trans-1,2-Dichloroethene	0.588	0.540		-8.16	20
1,1-Dichloroethane	1.120	0.980	0.1	-12.5	20
Cyclohexane	1.095	0.907		-17.17	20
2-Butanone	0.258	0.251		-2.71	20
Carbon Tetrachloride	0.577	0.551		-4.51	20
cis-1,2-Dichloroethene	0.655	0.595		-9.16	20
Bromochloromethane	0.510	0.471		-7.65	20
Chloroform	1.135	0.999		-11.98	20
1,1,1-Trichloroethane	0.955	0.848		-11.2	20
Methylcyclohexane	0.576	0.627		8.85	20
Benzene	1.693	1.672		-1.24	20
1,2-Dichloroethane	0.519	0.500		-3.66	20
Trichloroethene	0.454	0.437		-3.74	20
1,2-Dichloropropane	0.451	0.441		-2.22	20
Bromodichloromethane	0.569	0.551		-3.16	20
4-Methyl-2-Pentanone	0.388	0.397		2.32	20
Toluene	1.011	1.052		4.05	20
t-1,3-Dichloropropene	0.530	0.559		5.47	20
cis-1,3-Dichloropropene	0.608	0.658		8.22	20
1,1,2-Trichloroethane	0.378	0.365		-3.44	20
2-Hexanone	0.250	0.275		10	20
Dibromochloromethane	0.417	0.419		0.48	20
1,2-Dibromoethane	0.360	0.360		0	20
Tetrachloroethene	0.464	0.436		-6.03	20
Chlorobenzene	1.244	1.212	0.3	-2.57	20
Ethyl Benzene	2.009	2.089		3.98	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG No.: J4465
 Instrument ID: MSVOA_N Calibration Date/Time: 08/14/2018 10:45
 Lab File ID: VN050592.D Init. Calib. Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.768	0.817		6.38	20
o-Xylene	0.733	0.770		5.05	20
Styrene	1.177	1.289		9.52	20
Bromoform	0.309	0.309	0.1	0	20
Isopropylbenzene	3.907	3.900		-0.18	20
1,1,2,2-Tetrachloroethane	1.068	0.912	0.3	-14.61	20
1,3-Dichlorobenzene	1.806	1.794		-0.66	20
1,4-Dichlorobenzene	1.792	1.741		-2.85	20
1,2-Dichlorobenzene	1.762	1.701		-3.46	20
1,2-Dibromo-3-Chloropropane	0.139	0.132		-5.04	20
1,2,4-Trichlorobenzene	0.767	0.876		14.21	20
1,2,3-Trichlorobenzene	0.745	0.833		11.81	20
1,2-Dichloroethane-d4	0.630	0.595		-5.56	20
Dibromofluoromethane	0.399	0.403		1	20
Toluene-d8	1.502	1.539		2.46	20
4-Bromofluorobenzene	0.496	0.524		5.64	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:20 PM

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	716280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	991440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	936403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	495420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	426529	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	7.59	113	399717	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.09	98	1525782	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.40	95	519173	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	364623	45.15	ug/l	99
3) Chloromethane	2.06	50	468280	47.56	ug/l	98
4) Vinyl Chloride	2.18	62	476877	44.45	ug/l	99
5) Bromomethane	2.56	94	257918	44.50	ug/l	99
6) Chloroethane	2.70	64	287570	48.18	ug/l	100
7) Trichlorofluoromethane	3.01	101	613478	43.58	ug/l	96
8) Diethyl Ether	3.41	74	207974	44.42	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	387432	45.52	ug/l	99
10) Methyl Iodide	3.95	142	302394	49.98	ug/l	99
11) Tert butyl alcohol	4.78	59	112050	227.28	ug/l	99
12) 1,1-Dichloroethene	3.73	96	348154	44.80	ug/l	98
13) Acrolein	3.61	56	40105	211.99	ug/l	95
14) Allyl chloride	4.32	41	558232	46.18	ug/l	100
15) Acrylonitrile	4.99	53	617424	228.03	ug/l	99
16) Acetone	3.82	43	551508	244.61	ug/l	98
17) Carbon Disulfide	4.05	76	1095432	44.79	ug/l	100
18) Methyl Acetate	4.32	43	289974	45.64	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	931540	47.09	ug/l	100
20) Methylene Chloride	4.55	84	404997	47.12	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	386495	45.87	ug/l	97
22) Diisopropyl ether	5.95	45	1191935	48.09	ug/l	99
23) Vinyl Acetate	5.90	43	3980618	245.50	ug/l	99
24) 1,1-Dichloroethane	5.85	63	702096	43.78	ug/l	99
25) 2-Butanone	6.84	43	897297	242.39	ug/l	99
26) 2,2-Dichloropropane	6.82	77	588653	54.83	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	425848	45.39	ug/l	97
28) Bromochloromethane	7.20	49	337129	46.19	ug/l	100
29) Tetrahydrofuran	7.21	42	451665	233.67	ug/l	99
30) Chloroform	7.37	83	715498	44.02	ug/l	100
31) Cyclohexane	7.65	56	649352	47.43	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	607416	44.40	ug/l	100
36) 1,1-Dichloropropene	7.79	75	557216	50.49	ug/l	99
37) Ethyl Acetate	6.93	43	315710	50.61	ug/l	99
38) Carbon Tetrachloride	7.77	117	546294	47.72	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:20 PM

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	621329	54.38	ug/l	99
40) Benzene	8.04	78	1658000	49.38	ug/l	100
41) Methacrylonitrile	7.18	41	171535	50.86	ug/l	95
42) 1,2-Dichloroethane	8.12	62	495952	48.20	ug/l	100
43) Isopropyl Acetate	8.17	43	555706	48.88	ug/l	99
44) Trichloroethene	8.83	130	433003	48.15	ug/l	100
45) 1,2-Dichloropropane	9.12	63	436791	48.87	ug/l	98
46) Dibromomethane	9.21	93	250914	47.54	ug/l	98
47) Bromodichloromethane	9.40	83	546759	48.47	ug/l	99
48) Methyl methacrylate	9.20	41	280234	48.99	ug/l	100
49) 1,4-Dioxane	9.20	88	78510	1041.75	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1969243	256.11	ug/l	100
52) Toluene	10.16	92	1043404	52.05	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	553873	52.71	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	652377	54.12	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	361768	48.31	ug/l	98
56) Ethyl methacrylate	10.43	69	456717	47.89	ug/l	100
57) 1,3-Dichloropropane	10.71	76	609877	49.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1100544	240.89	ug/l	99
59) 2-Hexanone	10.75	43	1362504	274.55	ug/l	99
60) Dibromochloromethane	10.90	129	415043	50.21	ug/l	100
61) 1,2-Dibromoethane	11.01	107	356807	50.03	ug/l	100
64) Tetrachloroethene	10.63	164	407859	46.90	ug/l	100
65) Chlorobenzene	11.43	112	1134753	48.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	409900	46.92	ug/l	99
67) Ethyl Benzene	11.51	91	1956551	51.99	ug/l	100
68) m/p-Xylenes	11.62	106	1529897	106.30	ug/l	100
69) o-Xylene	11.95	106	721405	52.57	ug/l	99
70) Styrene	11.96	104	1207034	49.47	ug/l	99
71) Bromoform	12.13	173	288962	49.88	ug/l #	100
73) Isopropylbenzene	12.25	105	1932179	49.92	ug/l	99
74) N-amyl acetate	12.07	43	496745	49.33	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	451948	50.31	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	363015m	45.25	ug/l	
77) Bromobenzene	12.53	156	490862	46.71	ug/l	99
78) n-propylbenzene	12.59	91	2250756	52.15	ug/l	99
79) 2-Chlorotoluene	12.67	91	1322775	49.16	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1614356	52.09	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	121446	54.50	ug/l	98
82) 4-Chlorotoluene	12.77	91	1356852	51.02	ug/l	100
83) tert-Butylbenzene	12.99	119	1351490	50.24	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1642122	52.79	ug/l	100
85) sec-Butylbenzene	13.17	105	1838135	52.29	ug/l	99
86) p-Isopropyltoluene	13.29	119	1626305	54.59	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	888927	49.69	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	862497	48.57	ug/l	100
89) n-Butylbenzene	13.62	91	1342405	55.81	ug/l	99
90) Hexachloroethane	13.87	117	283080	47.26	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	842880	48.29	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65434	47.38	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	433853	48.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	266235	49.75	ug/l	99
95) Naphthalene	15.13	128	856334	45.33	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	412601	49.34	ug/l	99

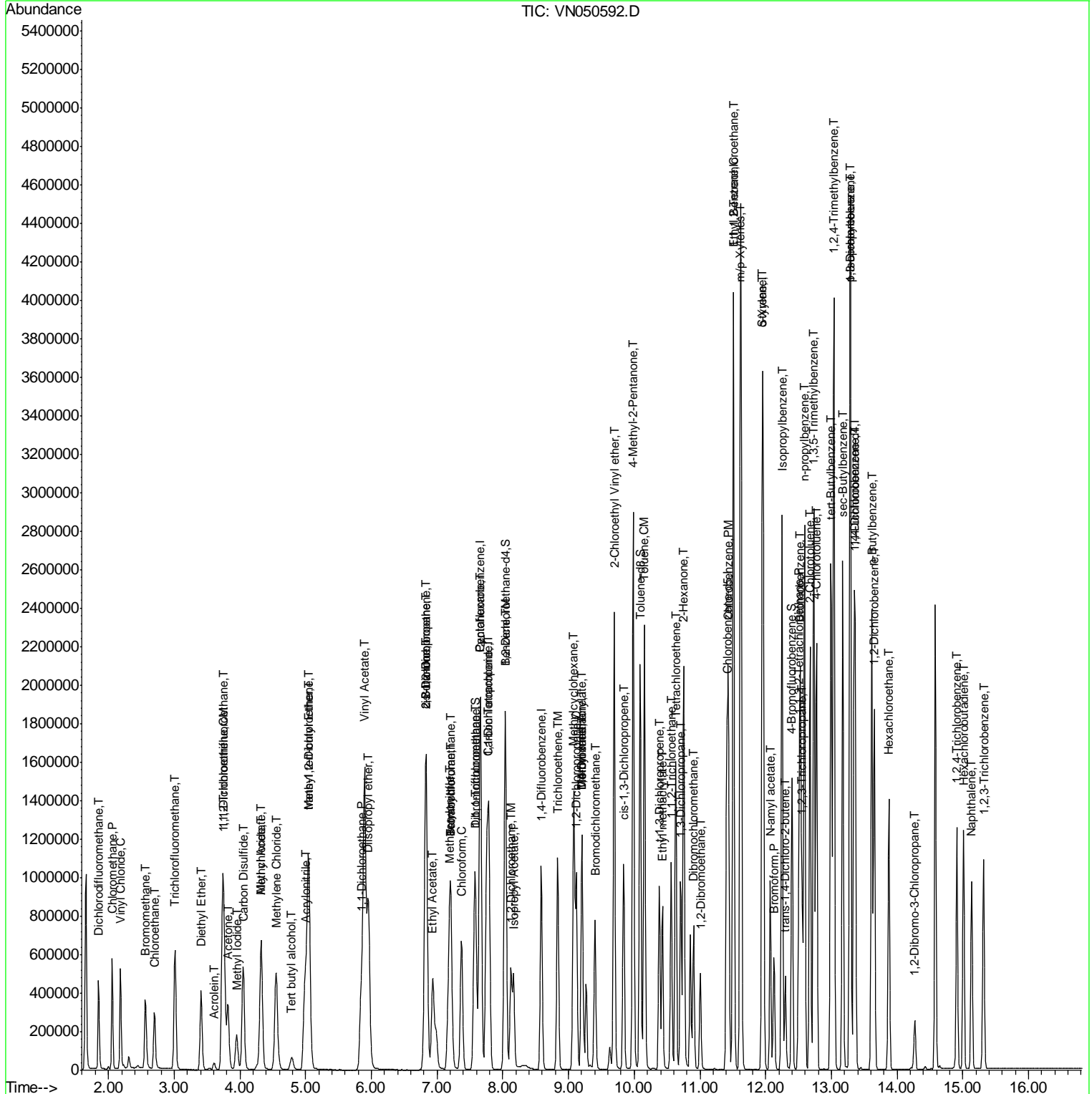
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

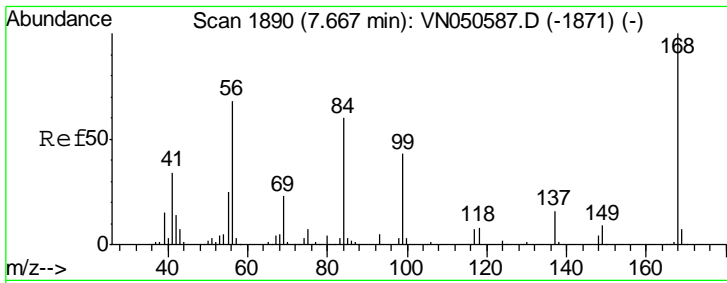
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

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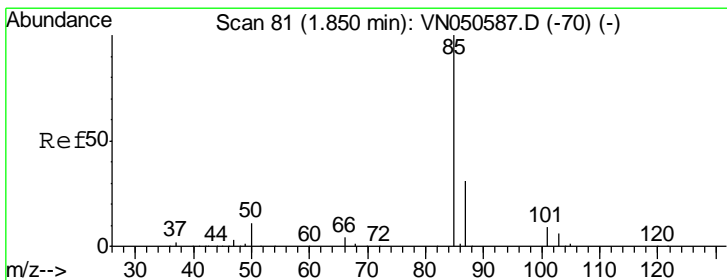
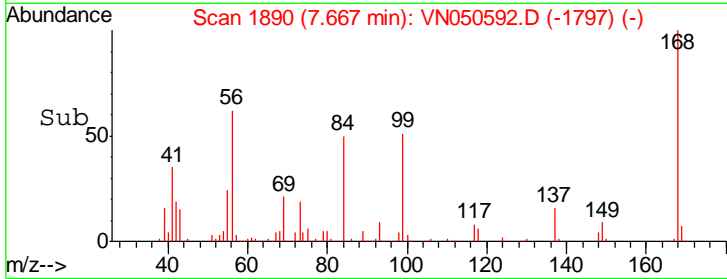
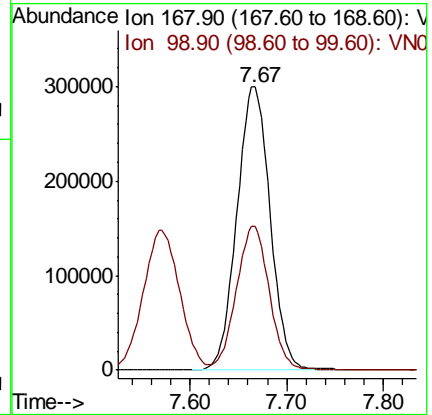
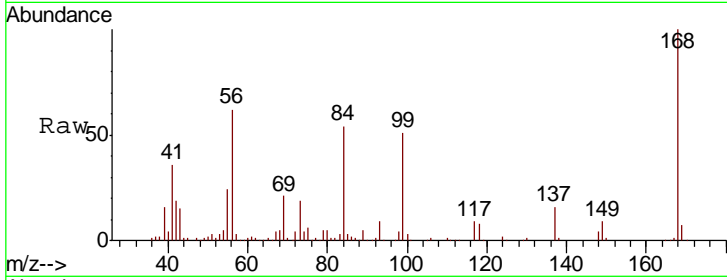
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.7	40.8	61.2

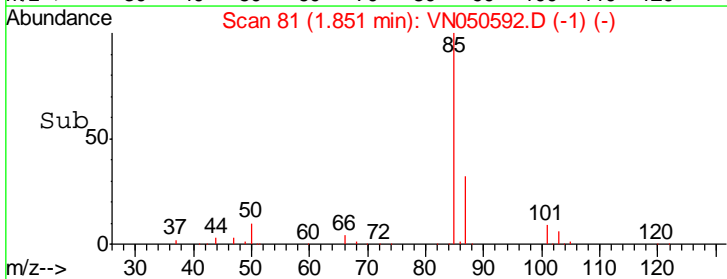
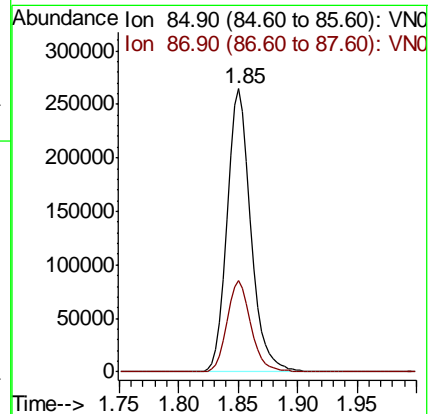
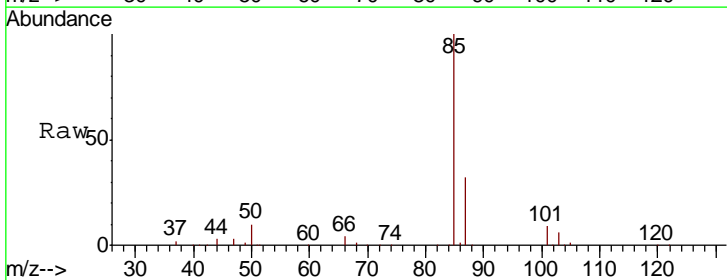
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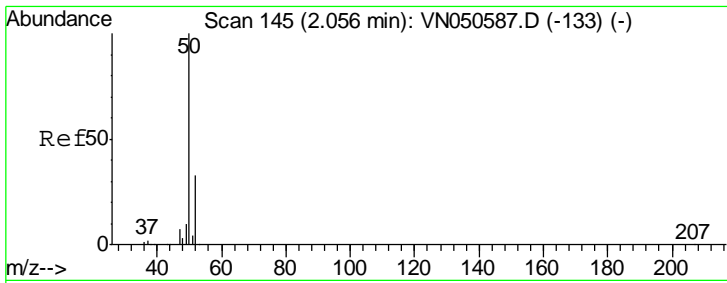
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#2
 Dichlorodifluoromethane
 Concen: 45.15 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.1	15.8	47.3



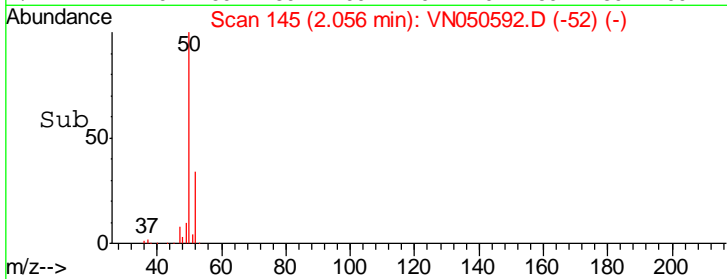
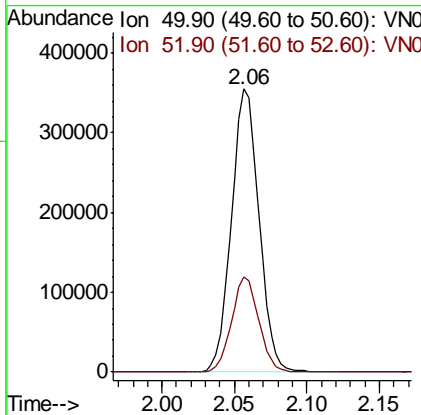
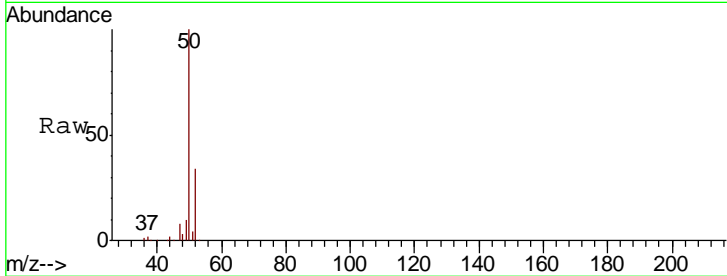


#3
 Chloromethane
 Concen: 47.56 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.6	26.0	39.0

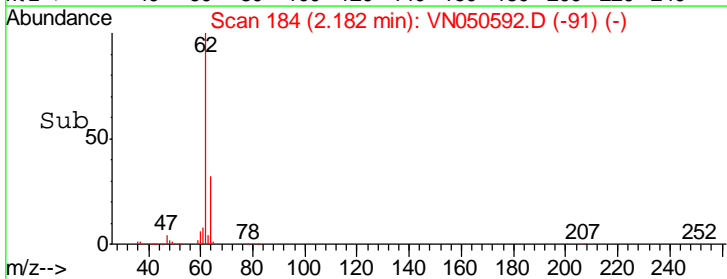
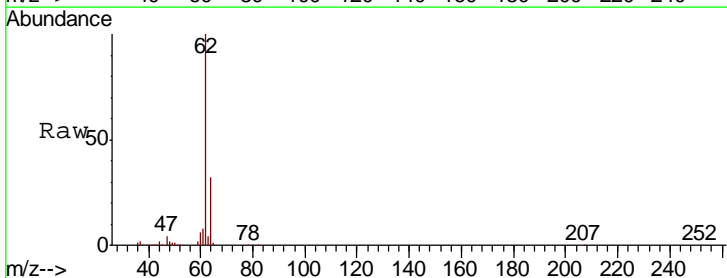
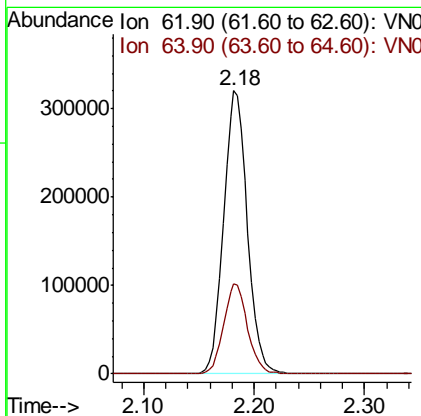
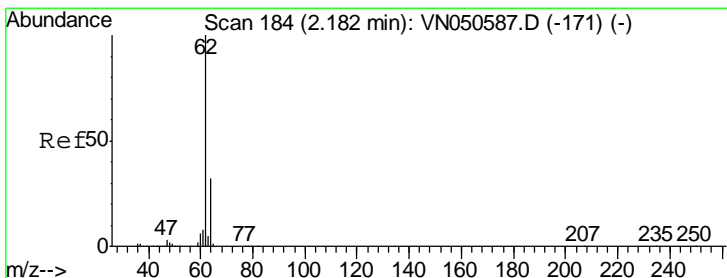
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

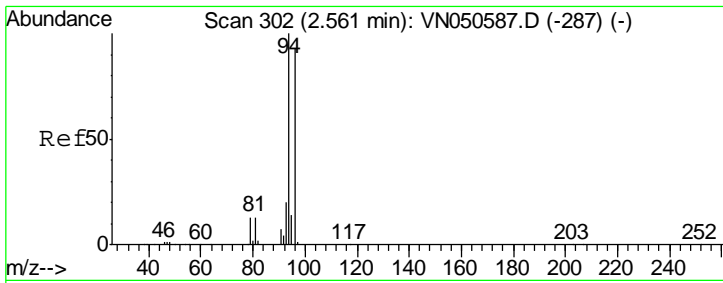
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#4
 Vinyl Chloride
 Concen: 44.45 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.0	25.2	37.8



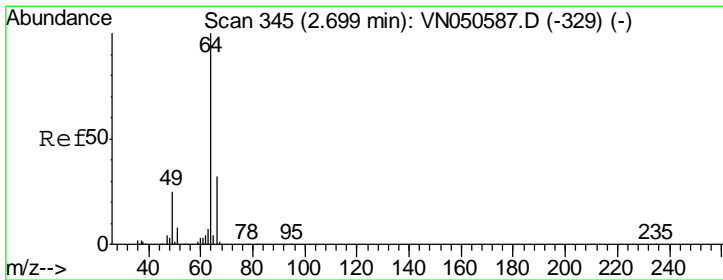
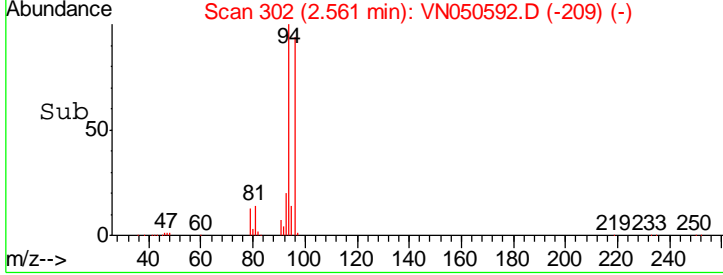
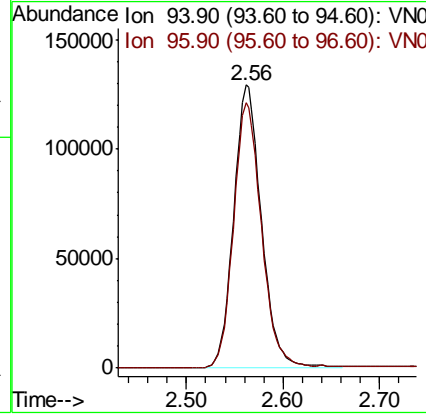
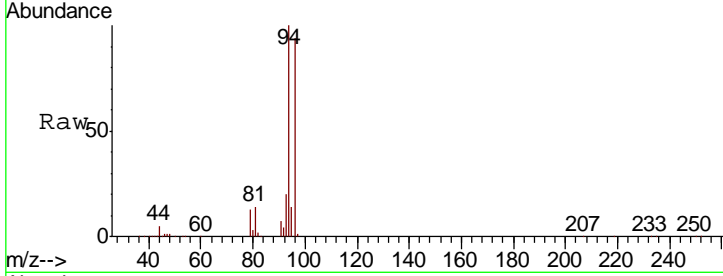


#5
 Bromomethane
 Concen: 44.50 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.8	74.0	111.0

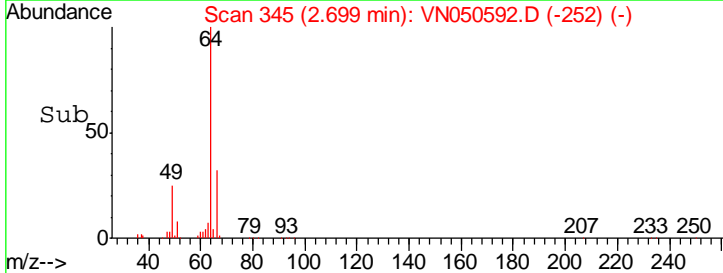
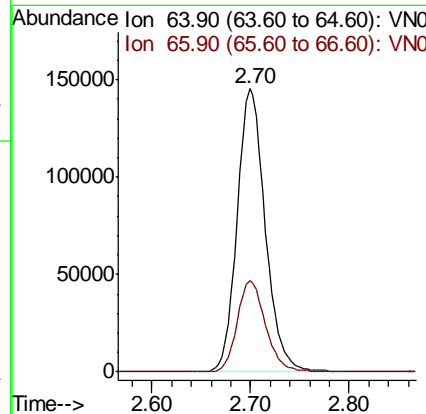
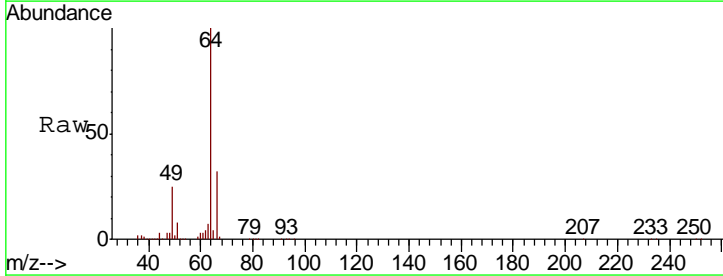
Instrument : MSVOA_N
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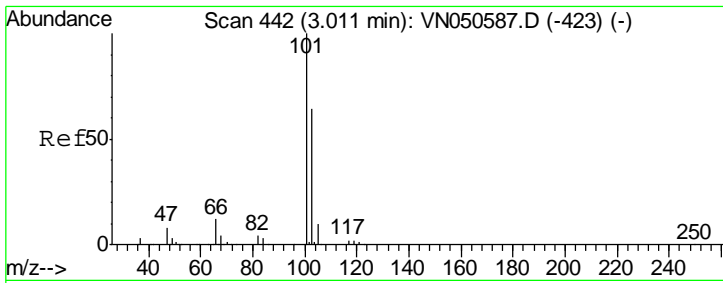
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#6
 Chloroethane
 Concen: 48.18 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.2	25.7	38.5



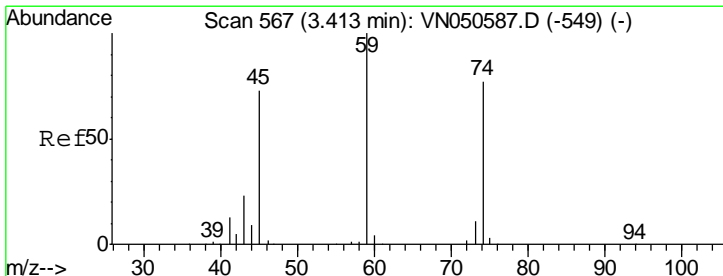
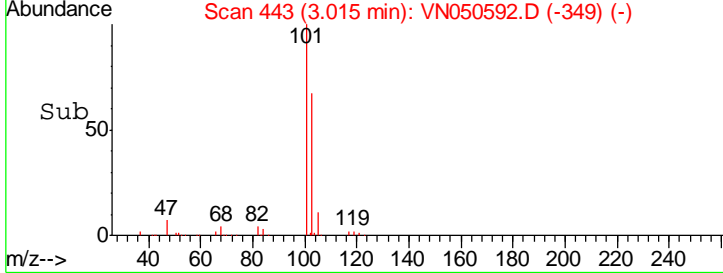
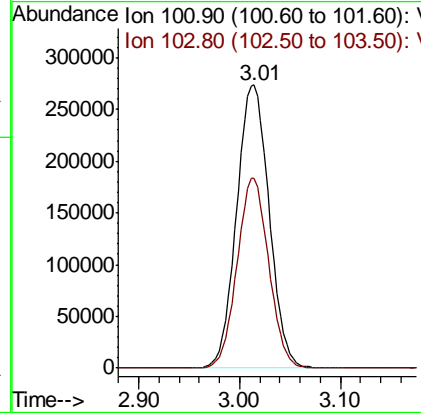
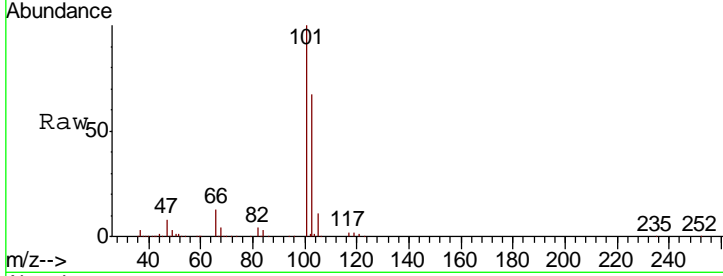


#7
 Trichlorofluoromethane
 Concen: 43.58 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
101	613478		
103	67.1	51.4	77.0

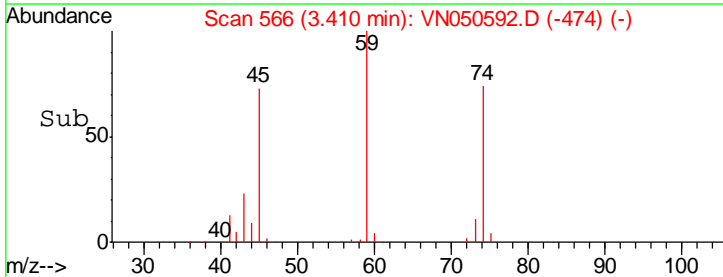
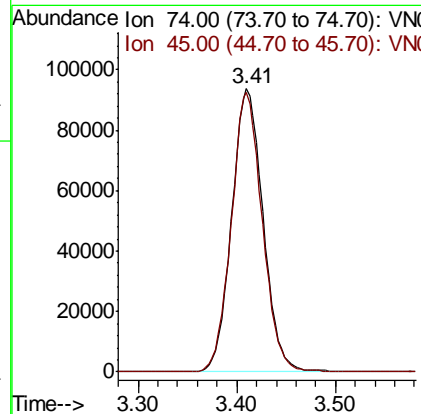
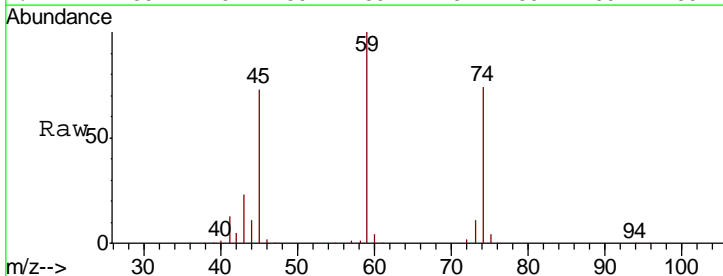
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

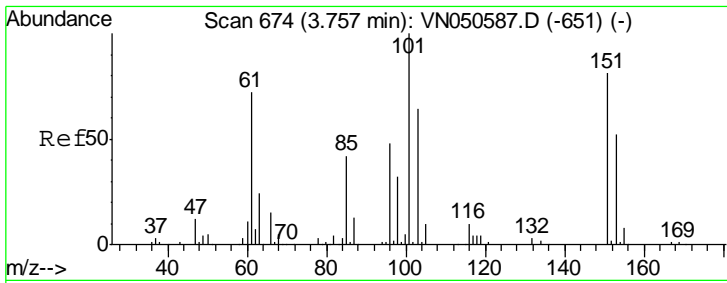
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#8
 Diethyl Ether
 Concen: 44.42 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

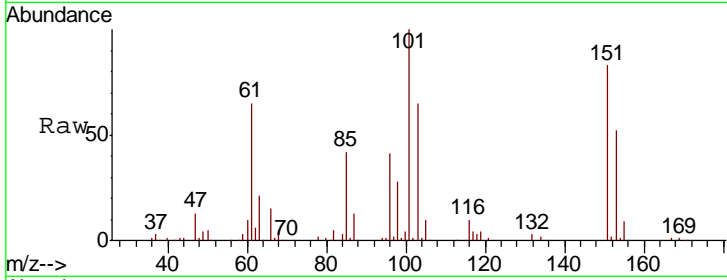
Tgt Ion	Resp	Lower	Upper
74	207974		
45	97.4	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.52 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

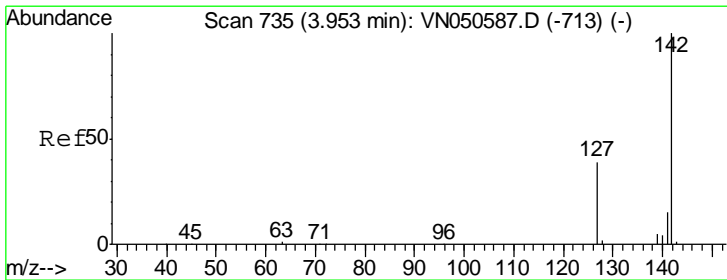
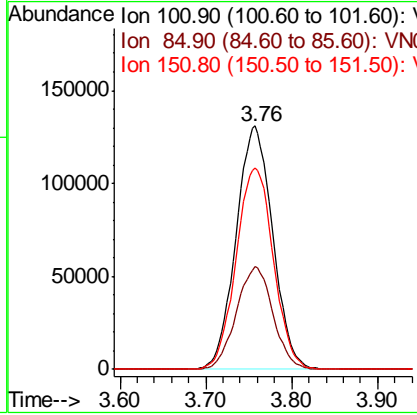
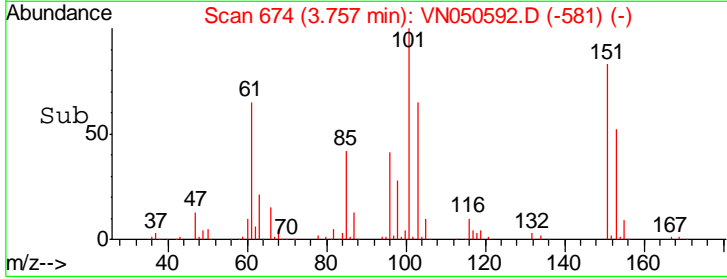
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



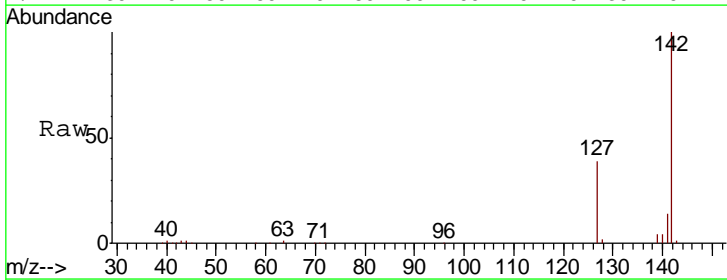
Tgt Ion: 101 Resp: 387432

Ion	Ratio	Lower	Upper
101	100		
85	42.2	33.4	50.0
151	84.1	66.6	100.0

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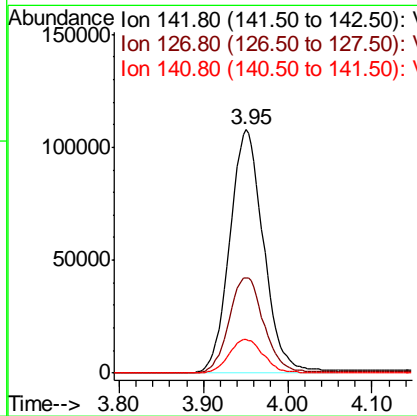
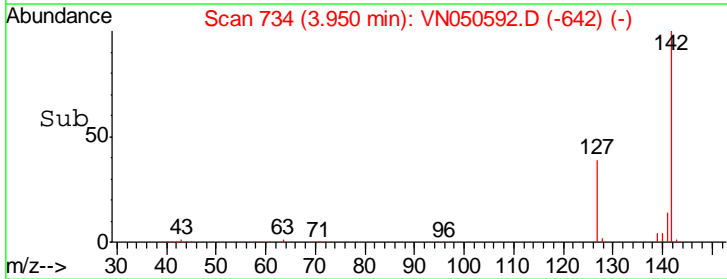


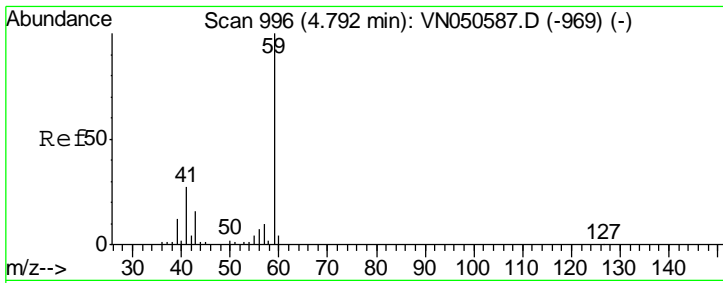
#10
 Methyl Iodide
 Concen: 49.98 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45



Tgt Ion: 142 Resp: 302394

Ion	Ratio	Lower	Upper
142	100		
127	40.2	32.6	49.0
141	14.3	11.5	17.3





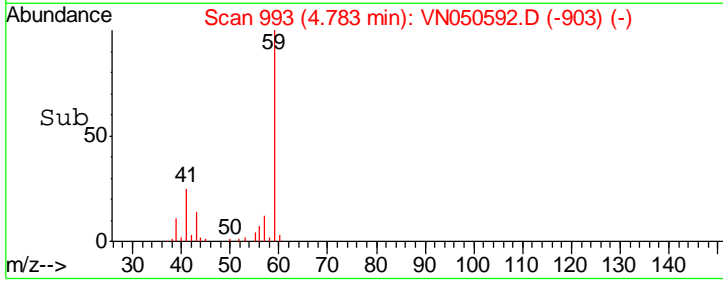
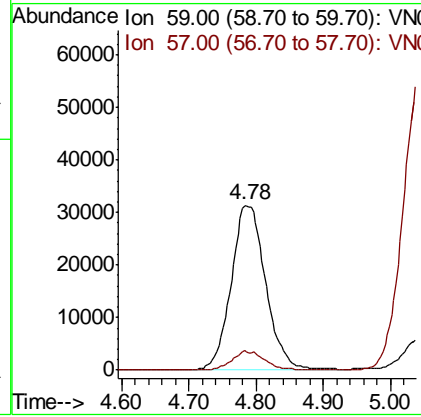
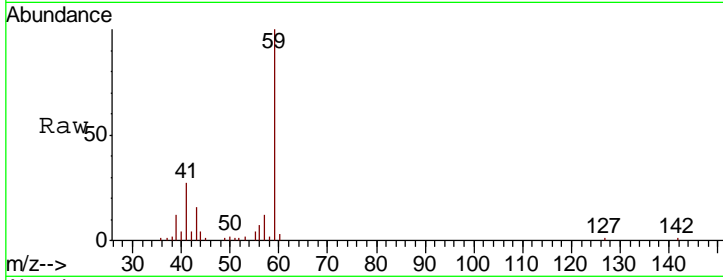
#11
 Tert butyl alcohol
 Concen: 227.28 ug/l
 RT: 4.78 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
59	112050		
57	10.9	8.4	12.6

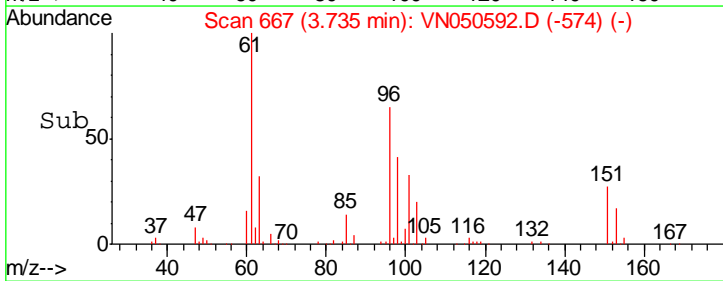
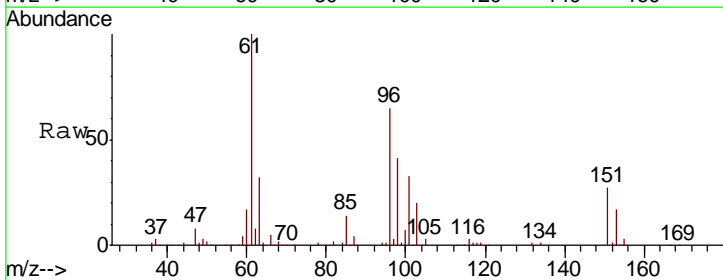
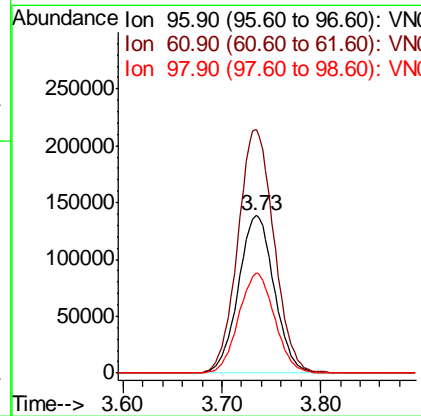
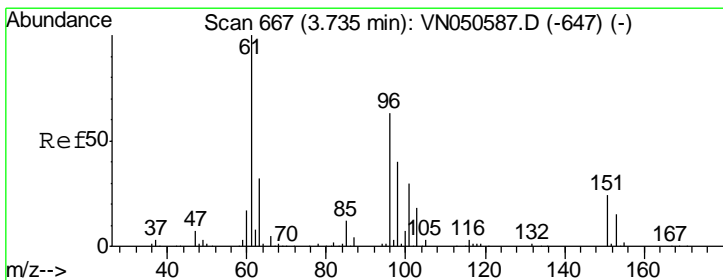
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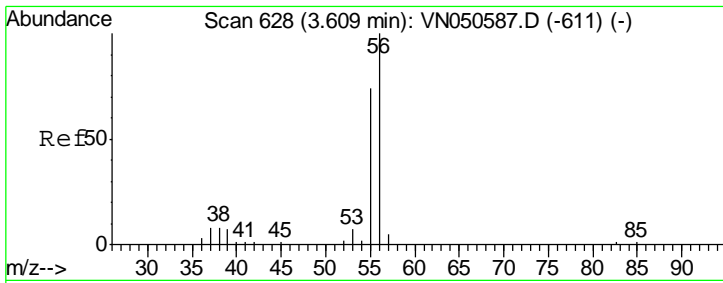
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#12
 1,1-Dichloroethene
 Concen: 44.80 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
96	348154		
61	154.5	126.9	190.3
98	63.4	51.1	76.7





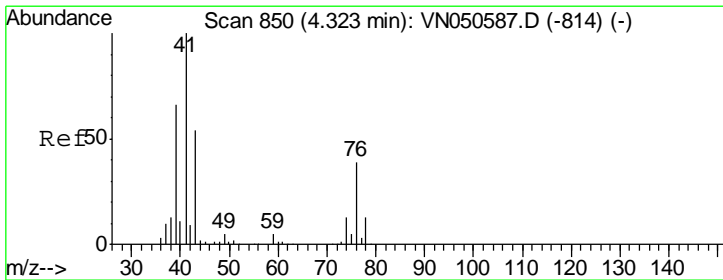
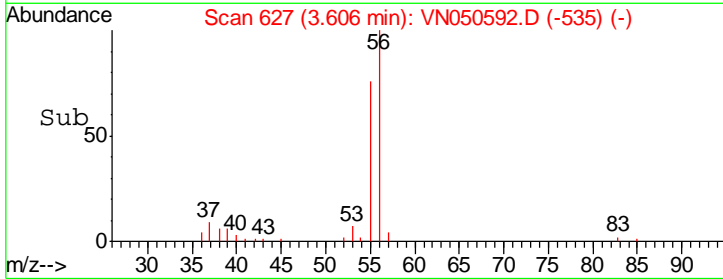
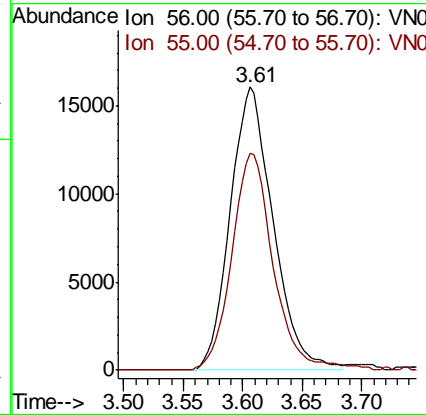
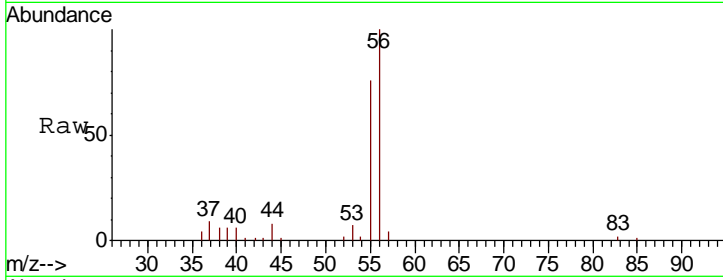
#13
 Acrolein
 Concen: 211.99 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
56	40105		
55	74.3	56.3	84.5

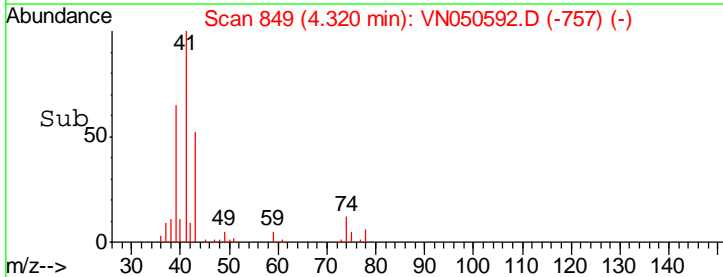
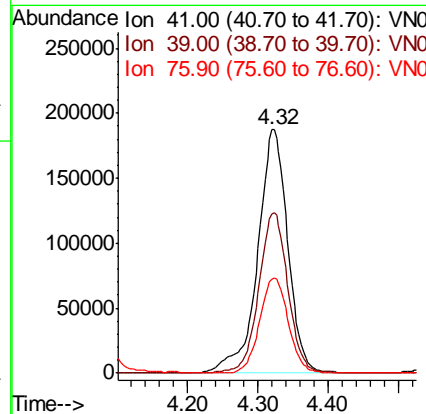
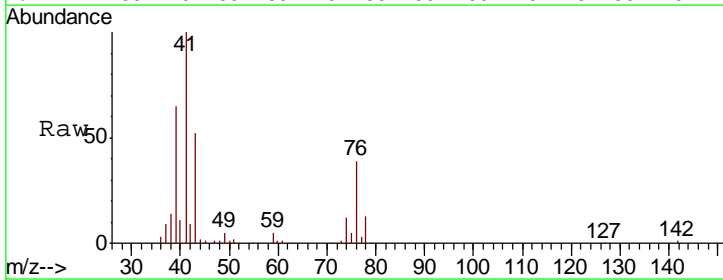
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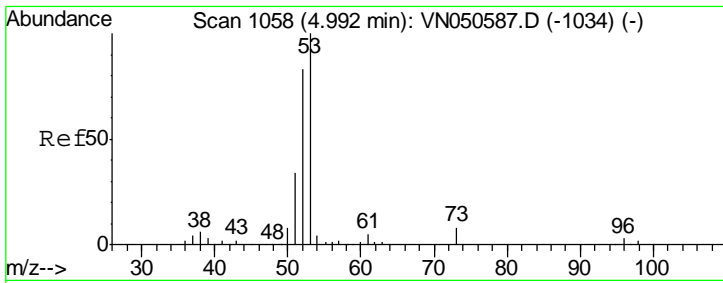
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#14
 Allyl chloride
 Concen: 46.18 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
41	558232		
39	63.9	51.4	77.0
76	36.7	29.4	44.0





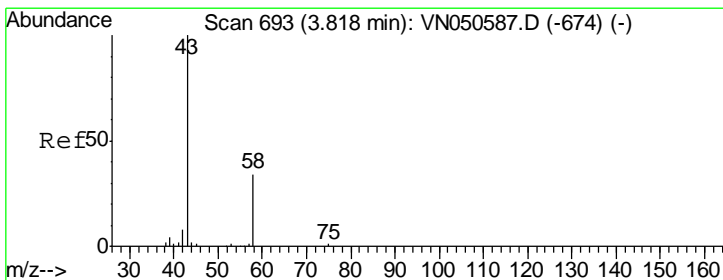
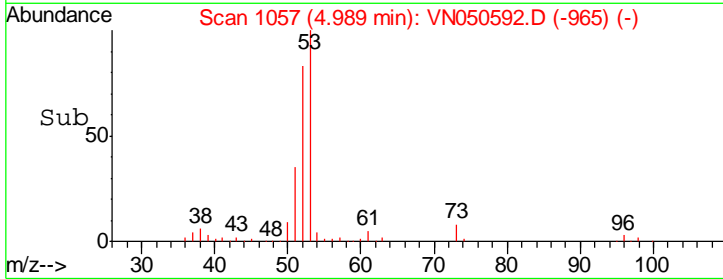
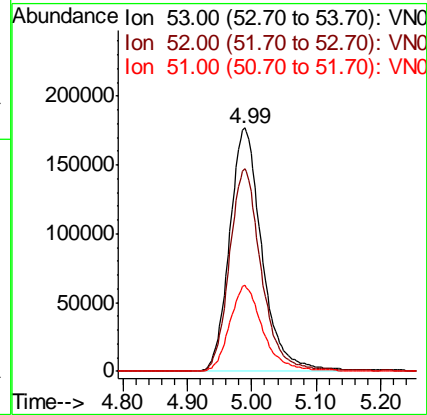
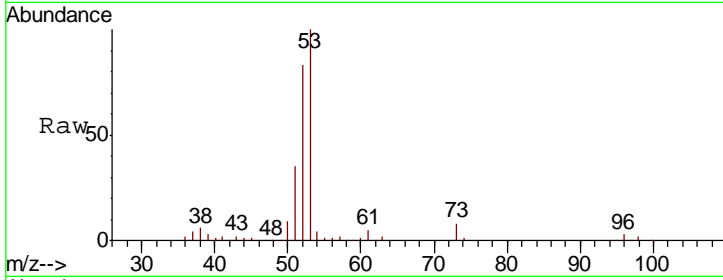
#15
 Acrylonitrile
 Concen: 228.03 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	36.0	28.6	43.0

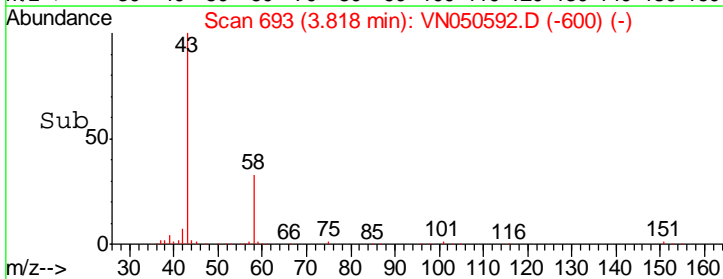
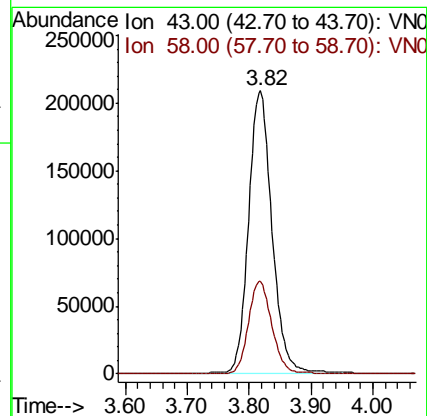
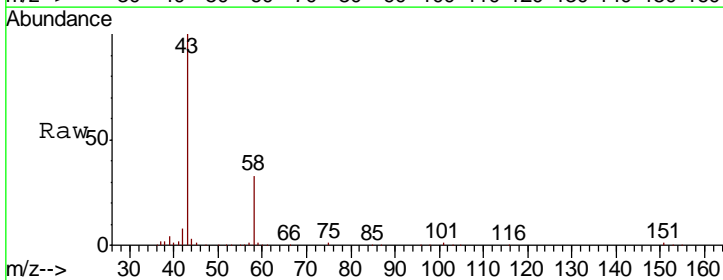
Manual Integrations
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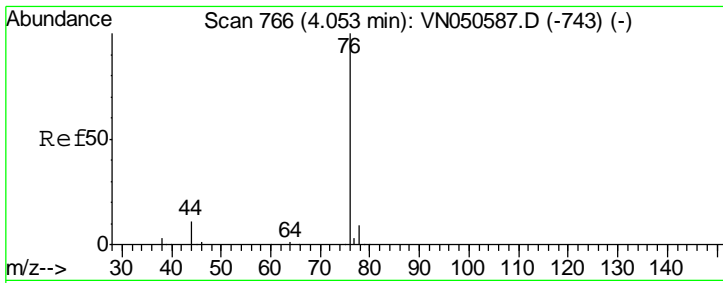
MMDadoda
 8/15/2018 3:31:20 PM



#16
 Acetone
 Concen: 244.61 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.8	27.1	40.7



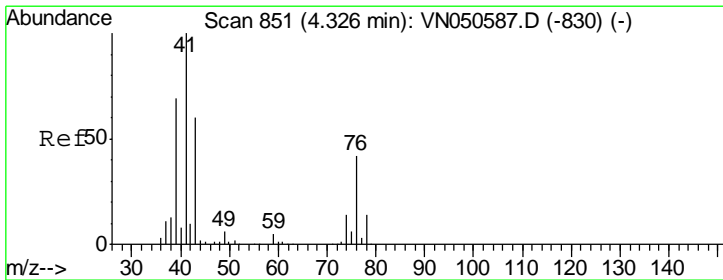
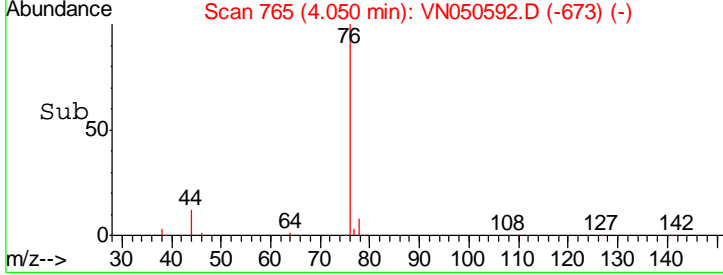
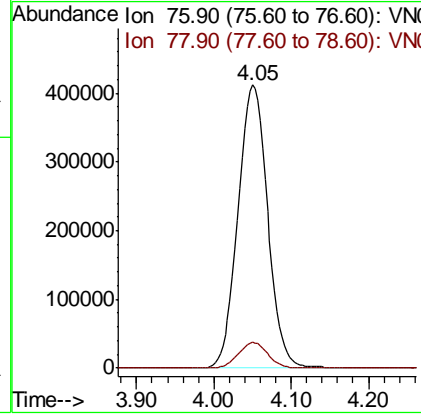
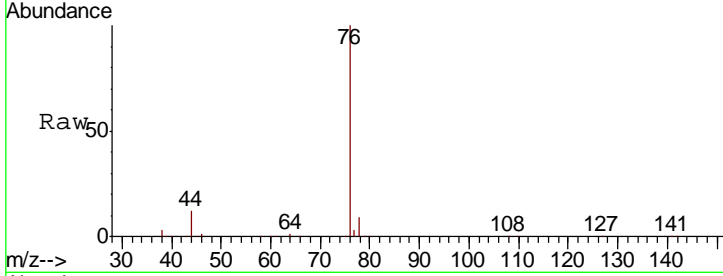


#17
 Carbon Disulfide
 Concen: 44.79 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
76	1095432		
76	100		
78	9.0	7.3	10.9

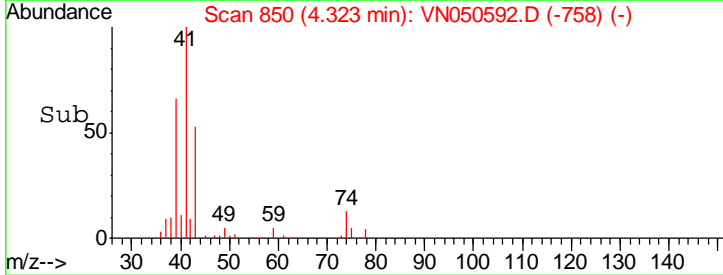
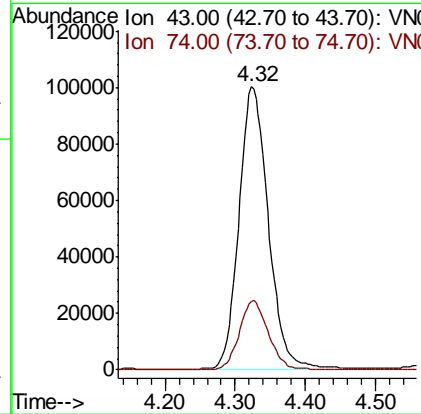
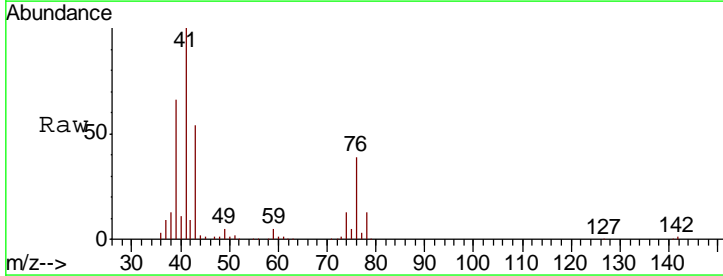
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

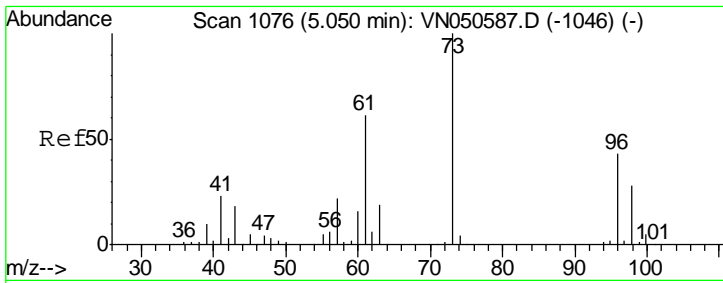
Manual Integrations
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#18
 Methyl Acetate
 Concen: 45.64 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
43	289974		
43	100		
74	24.3	19.7	29.5



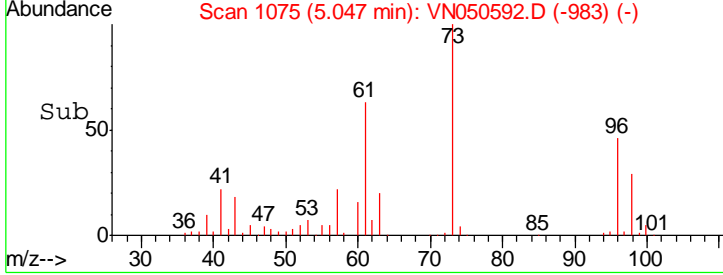
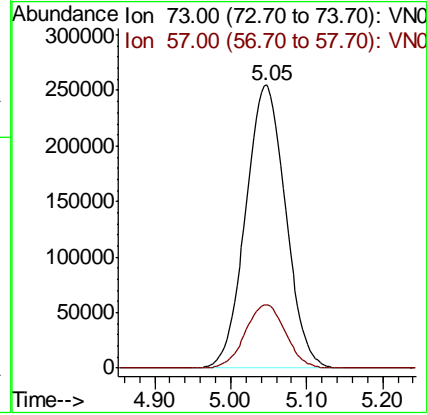
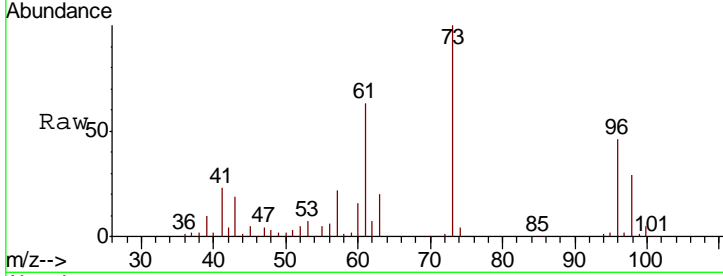


#19
Methyl tert-butyl Ether
Concen: 47.09 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.4	17.9	26.9

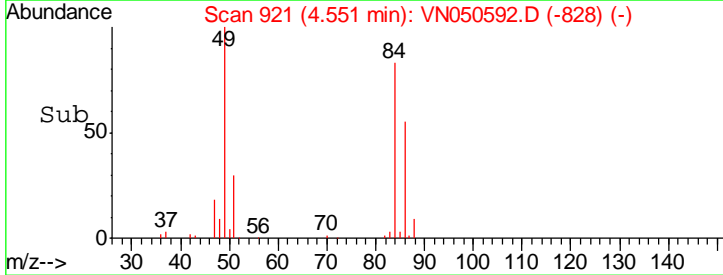
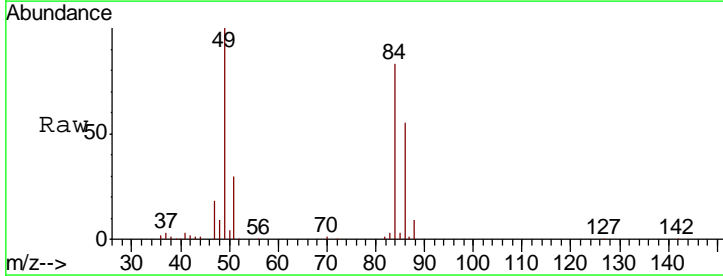
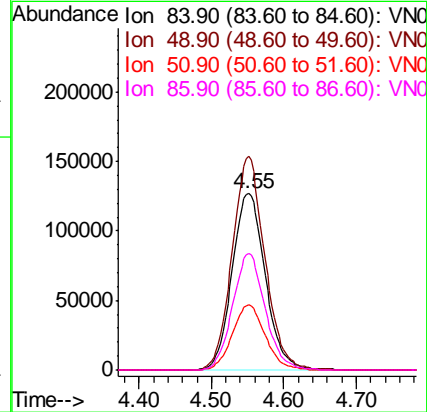
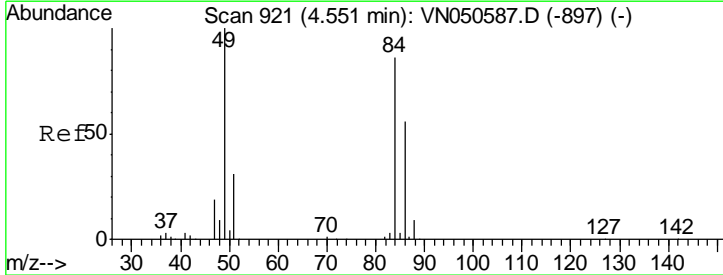
Instrument : MSVOA_N
Client Sampled : VSTDCCC050

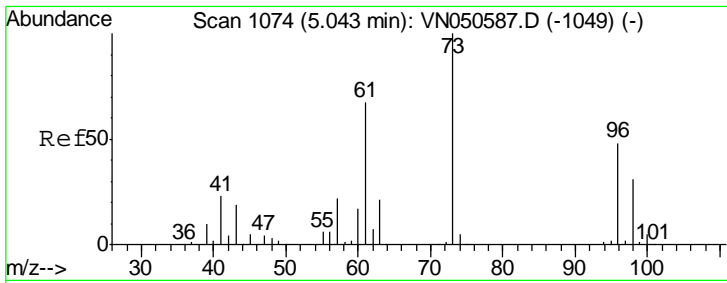
Manual Integrations APPROVED
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#20
Methylene Chloride
Concen: 47.12 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
84	100		
49	121.2	92.6	138.8
51	36.8	28.6	43.0
86	66.1	52.2	78.2



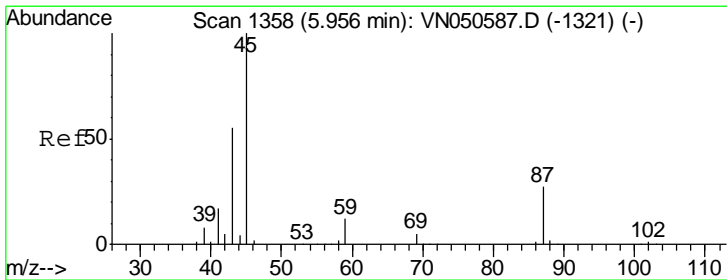
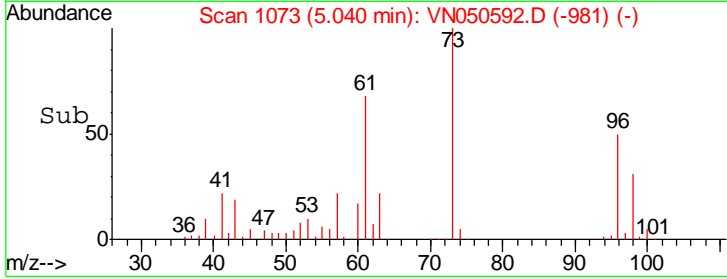
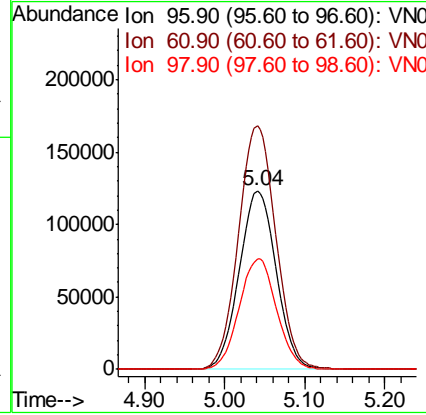
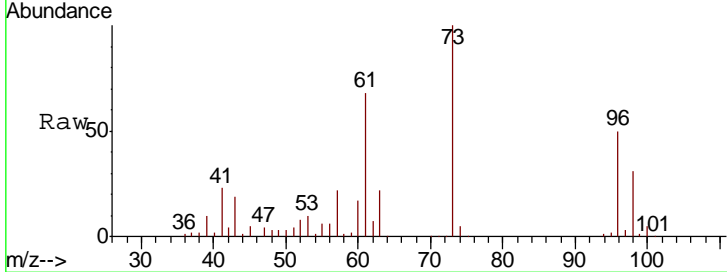


#21
 trans-1,2-Dichloroethene
 Concen: 45.87 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

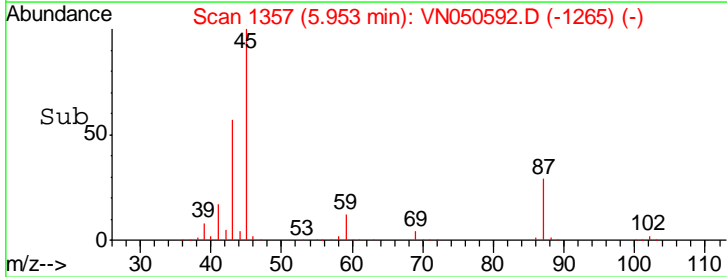
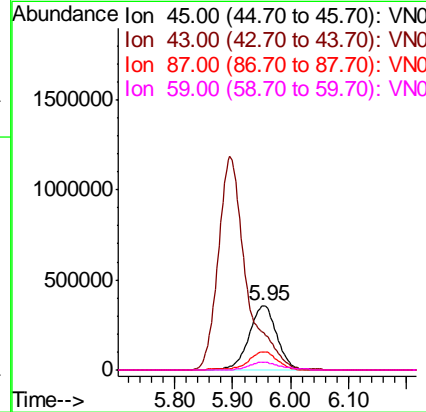
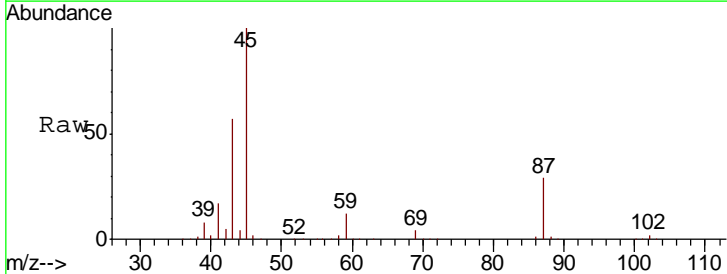
Tgt Ion	Resp	Lower	Upper
96	386495		
96	100		
61	136.4	111.2	166.8
98	61.8	51.6	77.4

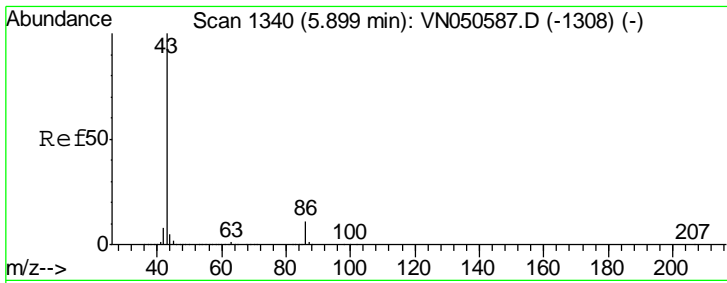
Manual Integrations
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#22
 Diisopropyl ether
 Concen: 48.09 ug/l
 RT: 5.95 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
45	1191935		
45	100		
43	56.5	44.5	66.7
87	28.9	22.2	33.2
59	11.8	9.5	14.3





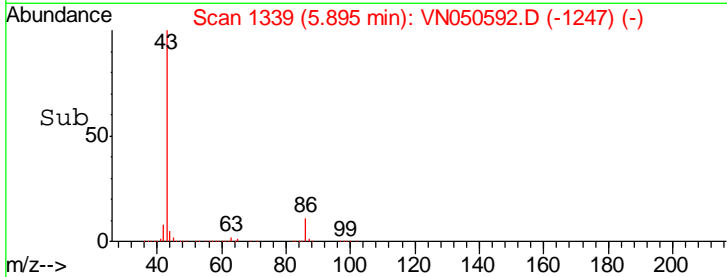
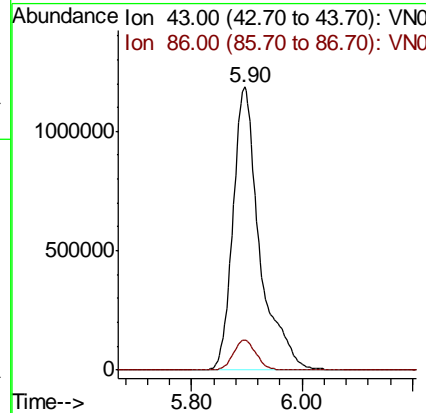
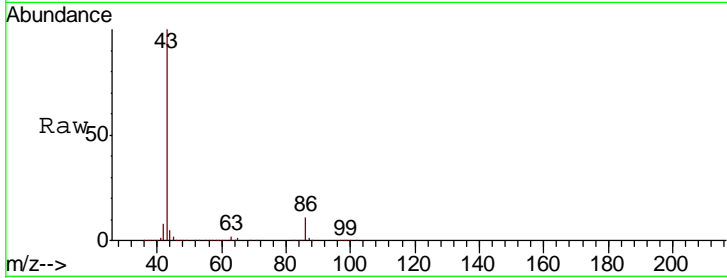
#23
 Vinyl Acetate
 Concen: 245.50 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 3980618

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.4	12.6

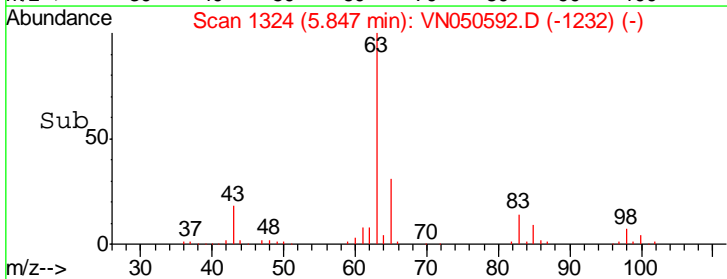
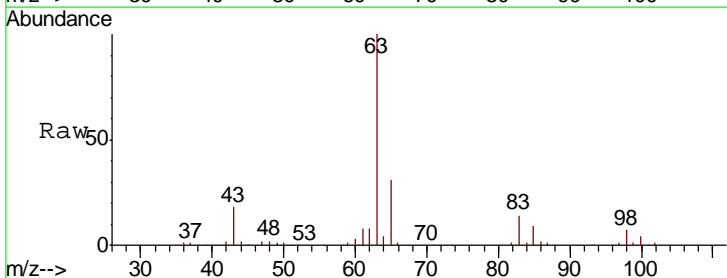
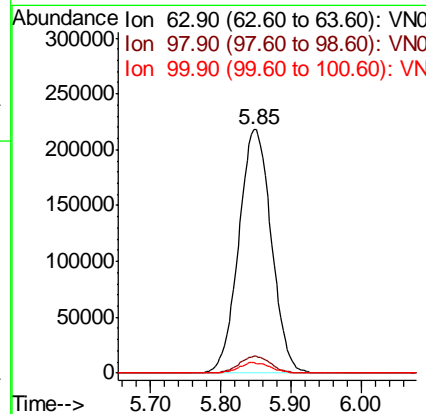
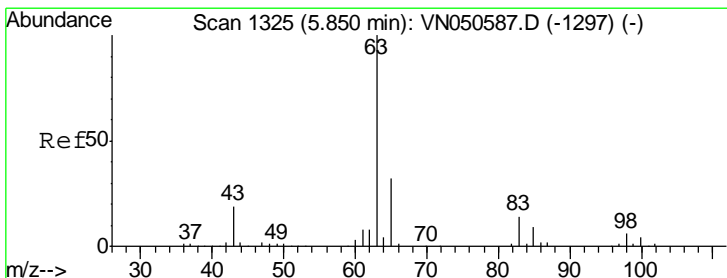
Manual Integrations
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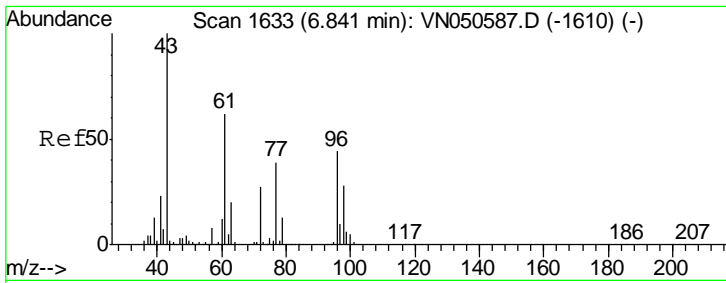


#24
 1,1-Dichloroethane
 Concen: 43.78 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 63 Resp: 702096

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.2	9.6
100	4.2	2.1	6.5





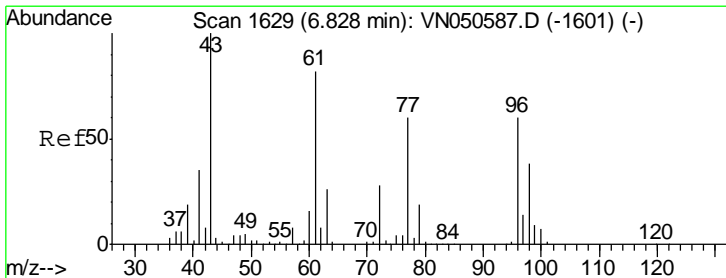
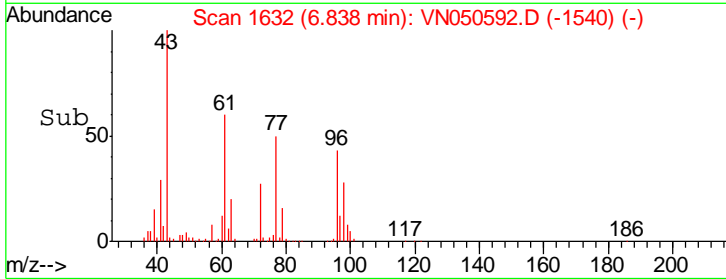
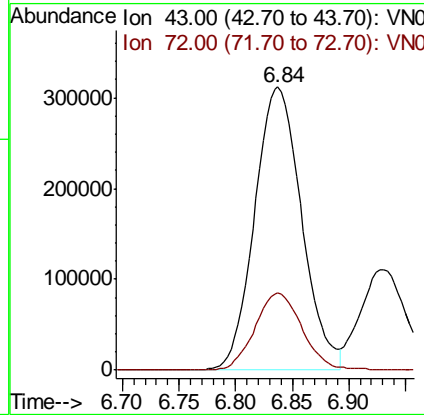
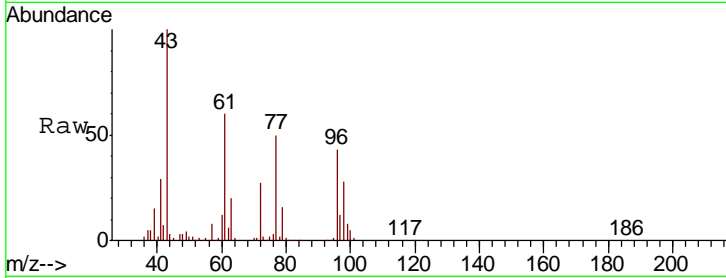
#25
 2-Butanone
 Concen: 242.39 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.5	21.8	32.6

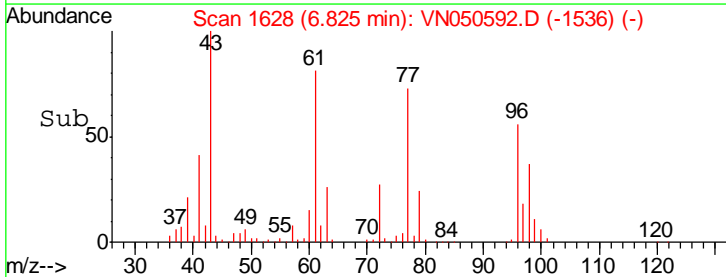
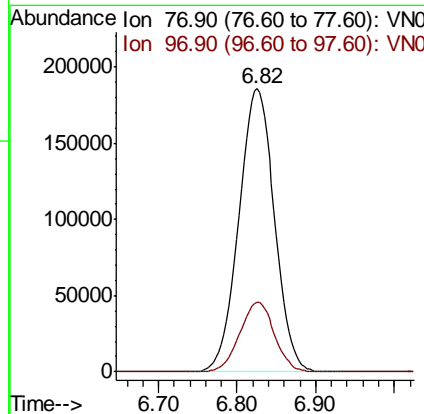
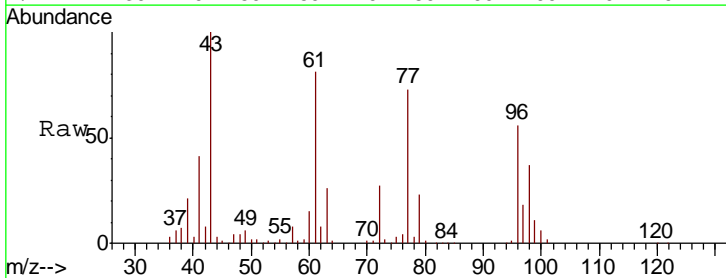
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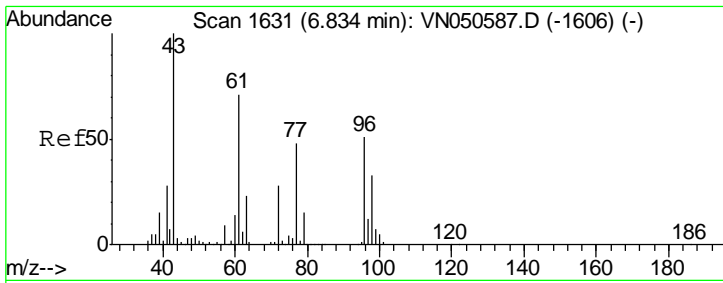
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#26
 2,2-Dichloropropane
 Concen: 54.83 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.1	12.2	36.4



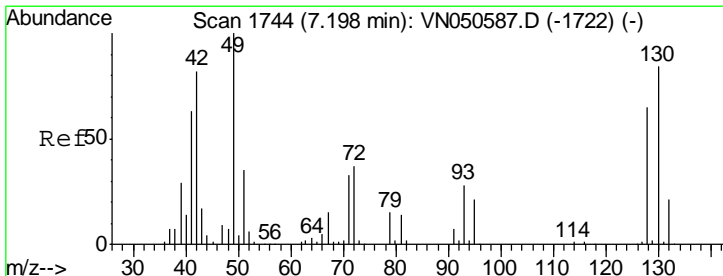
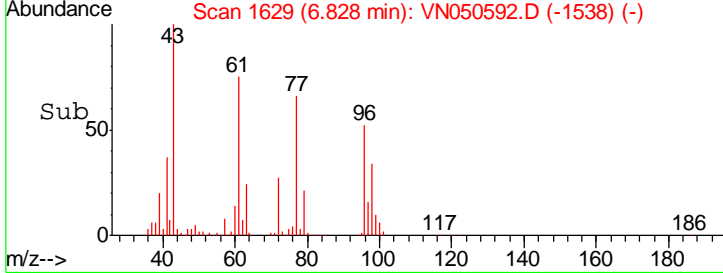
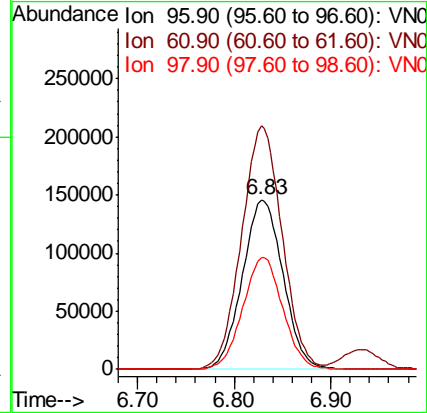
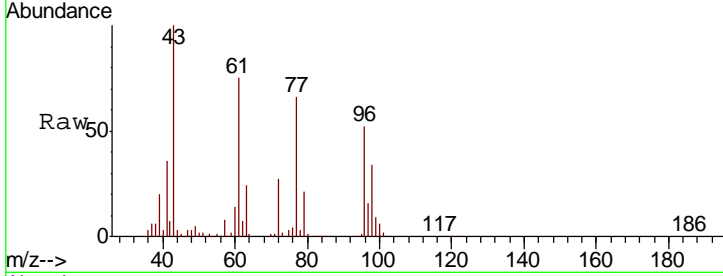


#27
 cis-1,2-Dichloroethene
 Concen: 45.39 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDC050

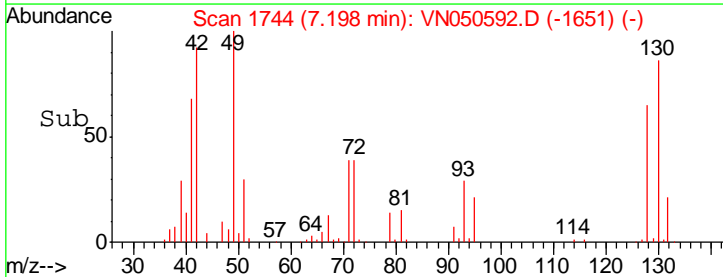
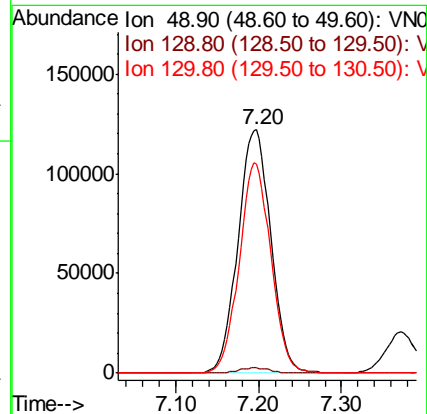
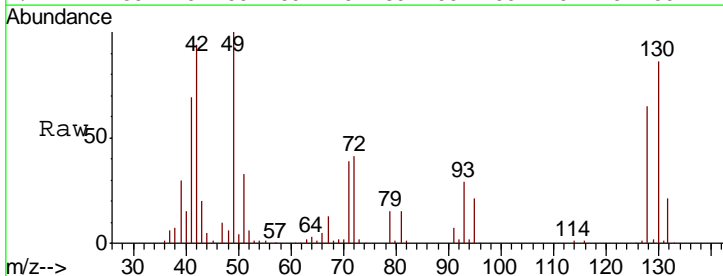
Tgt Ion	Resp	Lower	Upper
96	425848		
96	100		
61	143.3	0.0	278.2
98	65.1	0.0	128.8

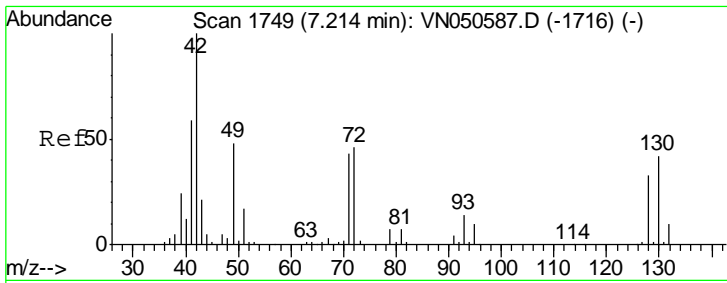
Manual Integrations
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#28
 Bromochloromethane
 Concen: 46.19 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
49	337129		
49	100		
129	2.0	0.0	4.2
130	83.2	66.8	100.2





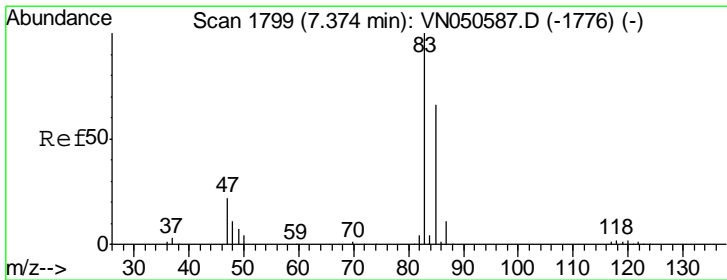
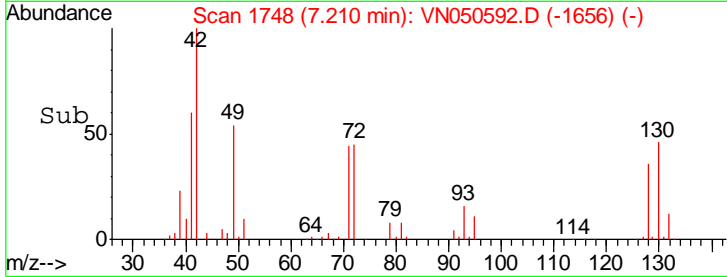
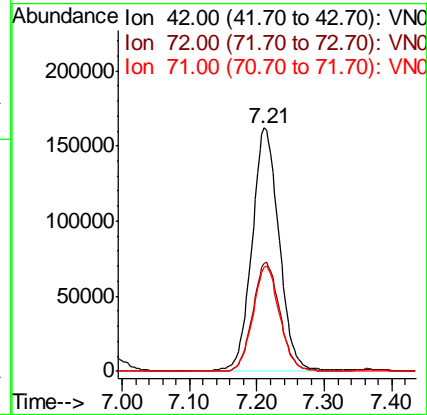
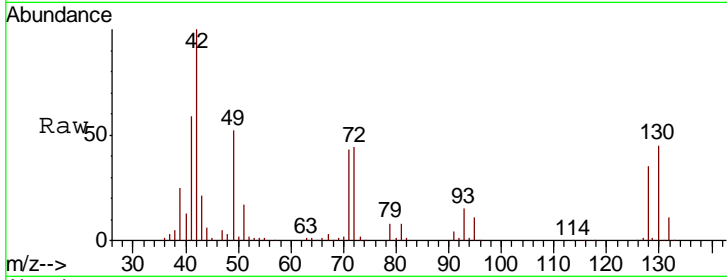
#29
 Tetrahydrofuran
 Concen: 233.67 ug/l
 RT: 7.21 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion: 42 Resp: 451665

Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.8	53.6
71	42.5	33.4	50.0

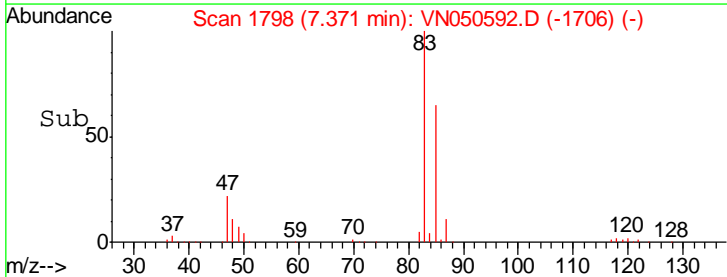
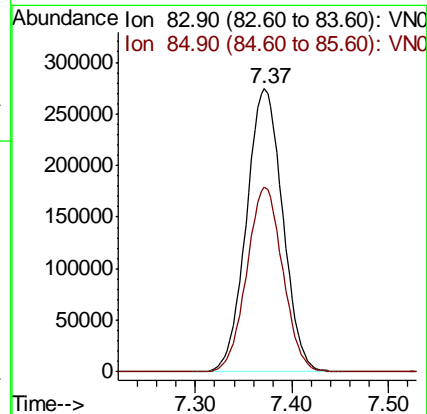
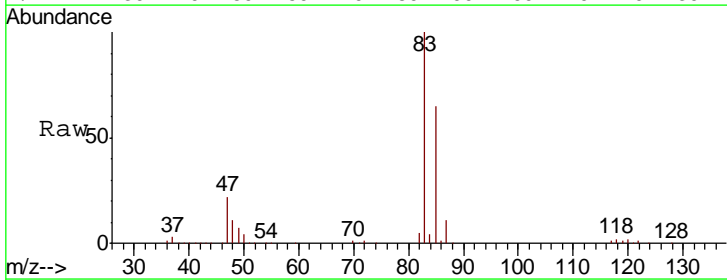
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:31:20 PM

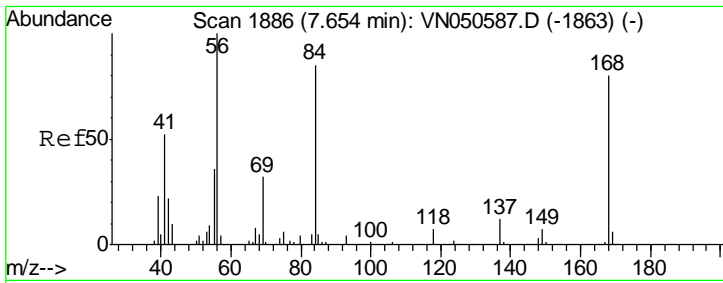


#30
 Chloroform
 Concen: 44.02 ug/l
 RT: 7.37 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 83 Resp: 715498

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7





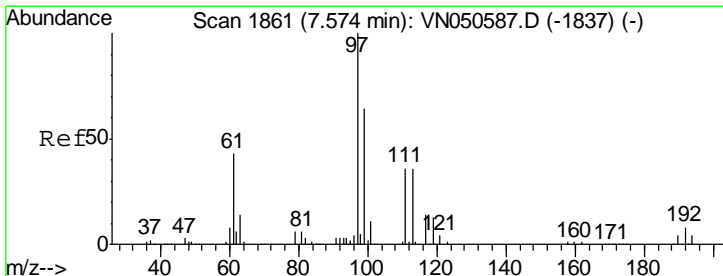
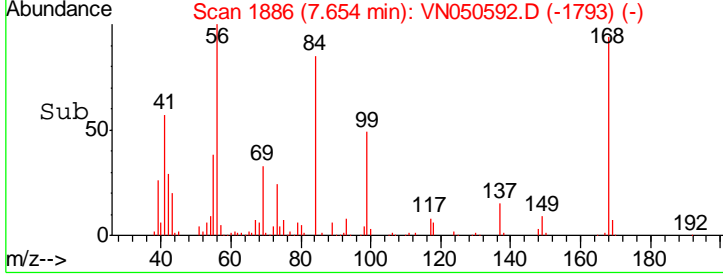
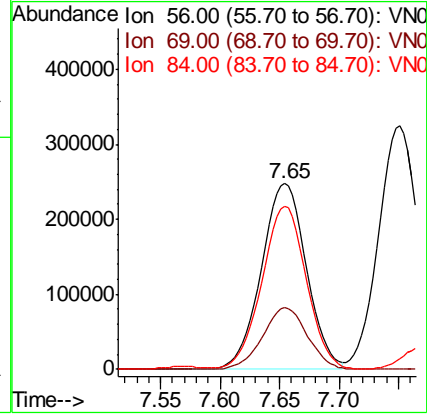
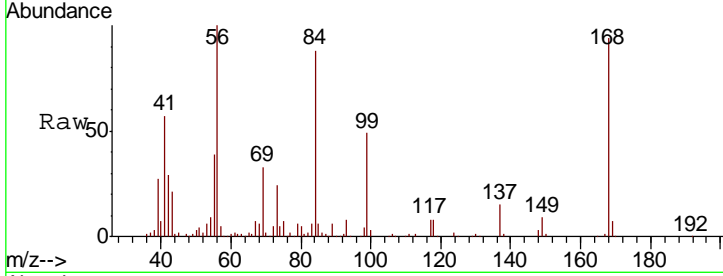
#31
 Cyclohexane
 Concen: 47.43 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	33.3	25.8	38.6
84	86.6	67.8	101.6

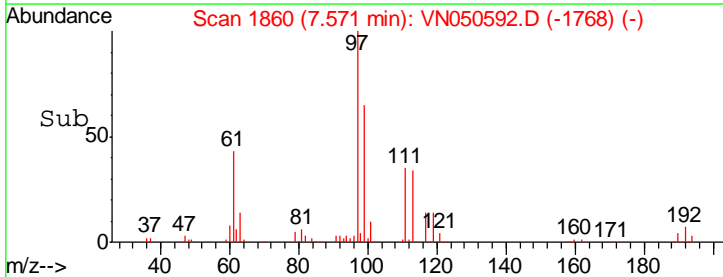
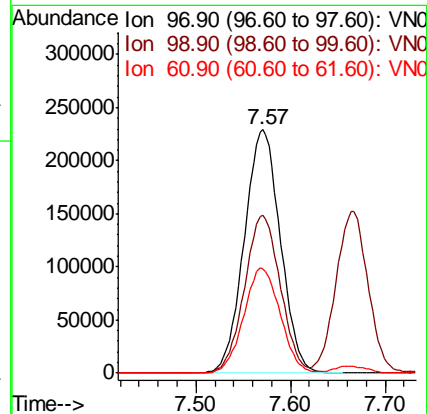
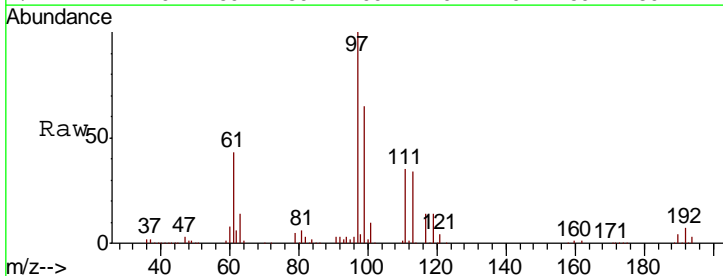
Manual Integrations
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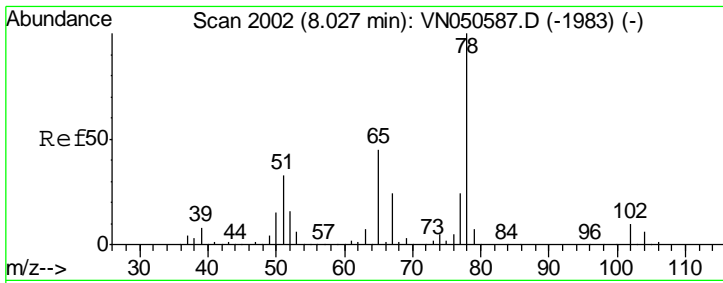
MMDadoda
 8/15/2018 3:31:20 PM



#32
 1,1,1-Trichloroethane
 Concen: 44.40 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	43.7	34.8	52.2



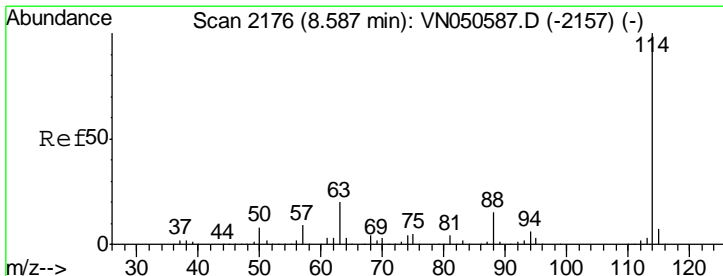
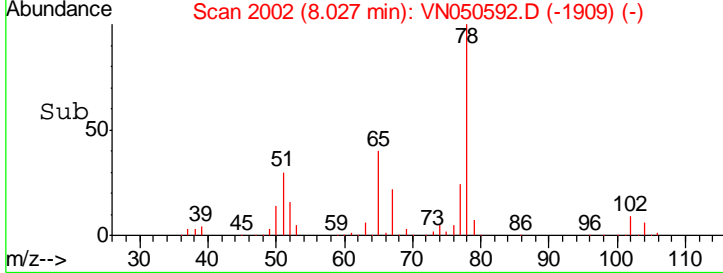
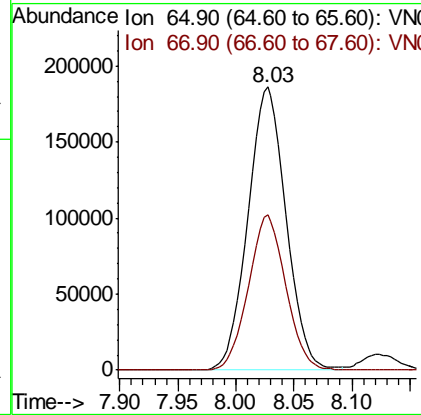
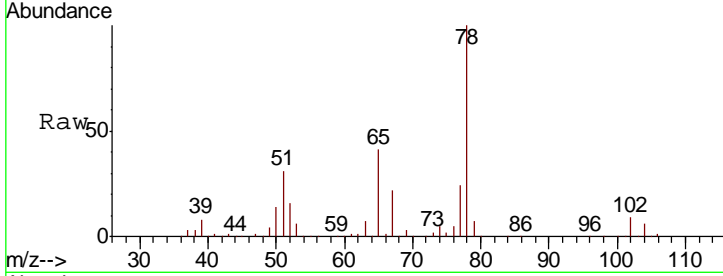


#33
 1,2-Dichloroethane-d4
 Concen: 47.24 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

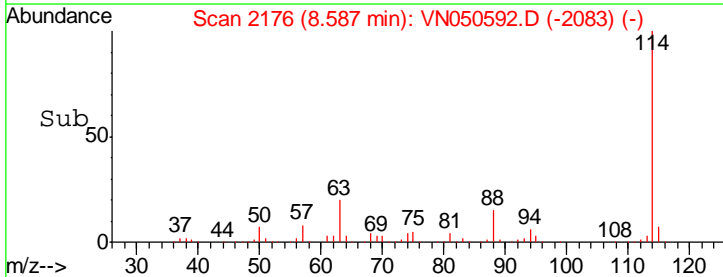
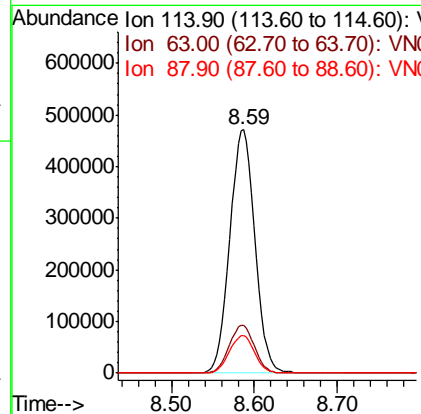
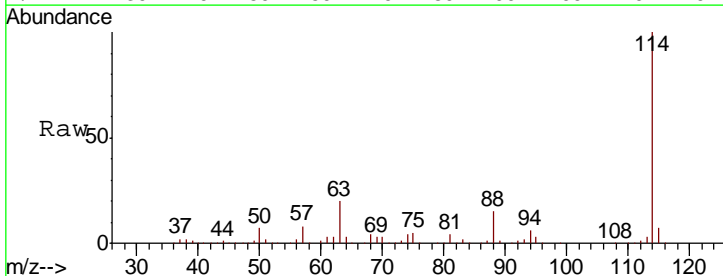
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.8	0.0	109.8

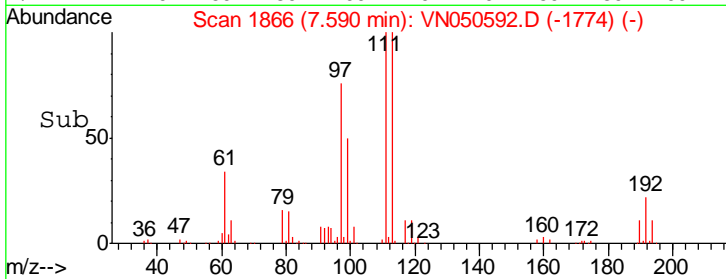
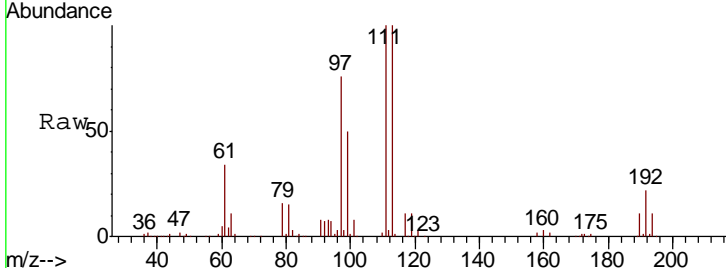
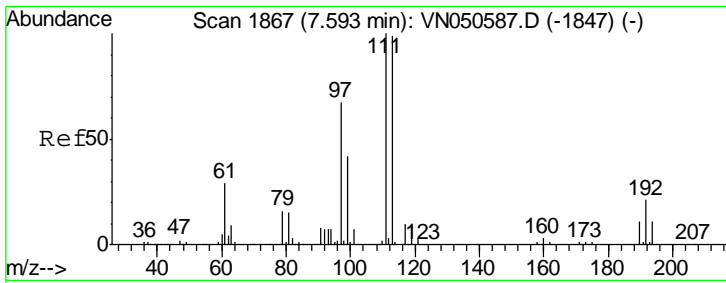
Manual Integrations
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 MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.5	0.0	40.0
88	15.4	0.0	30.8



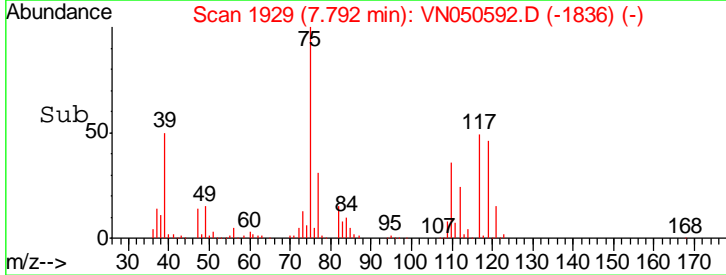
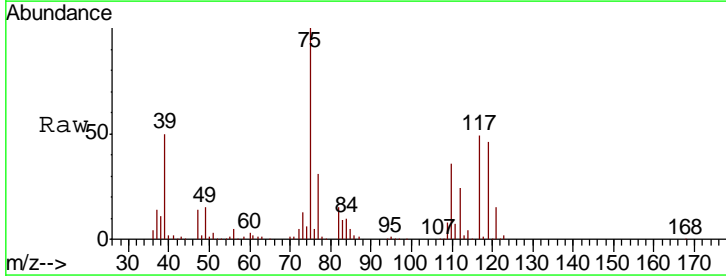
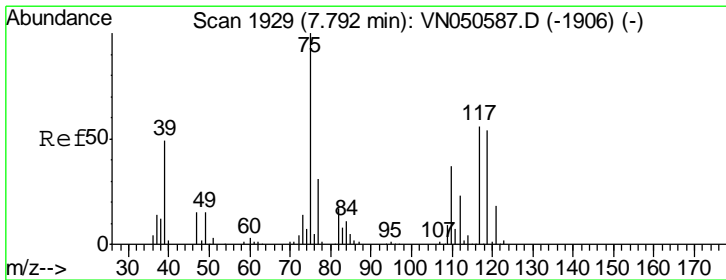
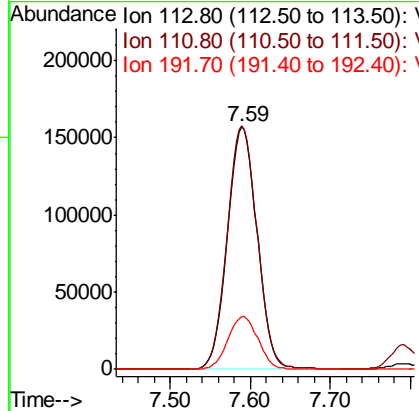


#35
 Dibromofluoromethane
 Concen: 50.50 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
113	100		
111	101.3	81.0	121.6
192	22.0	17.6	26.4

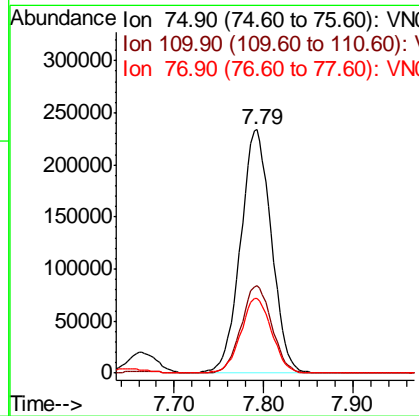
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

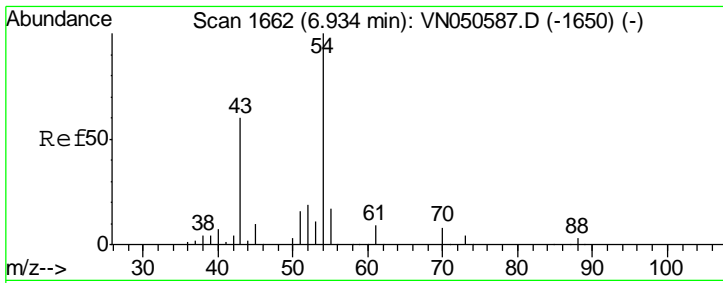
Manual Integrations
APPROVED
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 8/15/2018 3:31:20 PM



#36
 1,1-Dichloropropene
 Concen: 50.49 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
75	100		
110	35.9	18.3	54.9
77	31.1	25.0	37.4





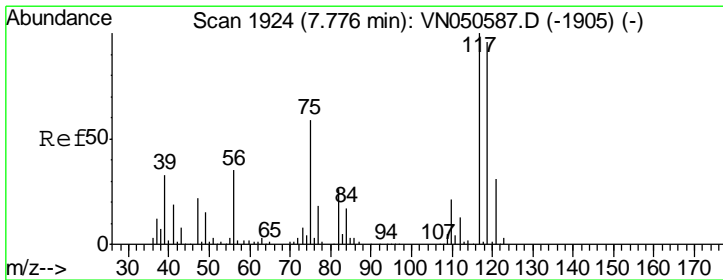
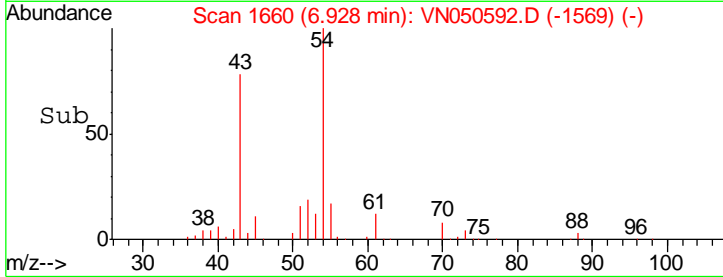
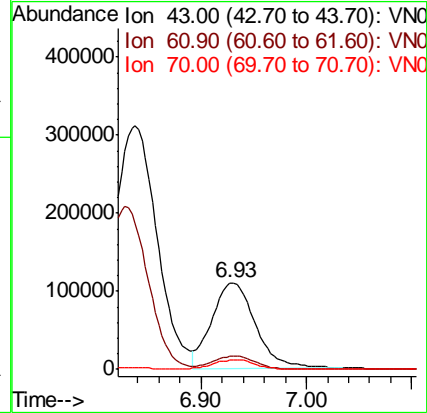
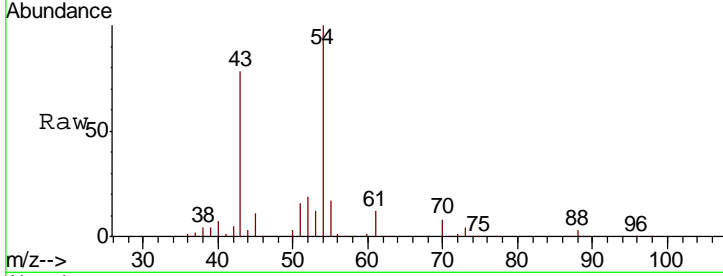
#37
 Ethyl Acetate
 Concen: 50.61 ug/l
 RT: 6.93 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	10.4	8.5	12.7

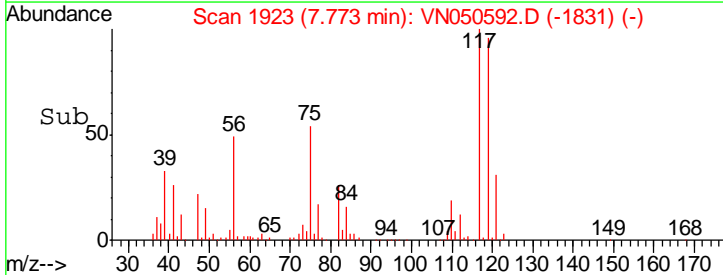
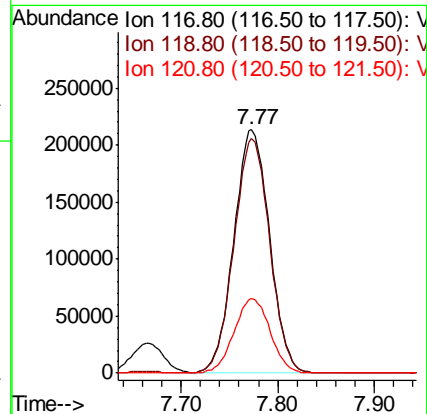
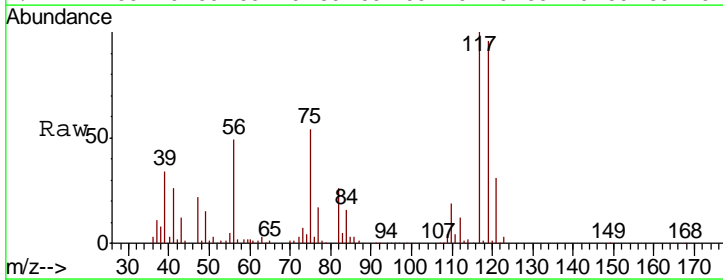
Manual Integrations
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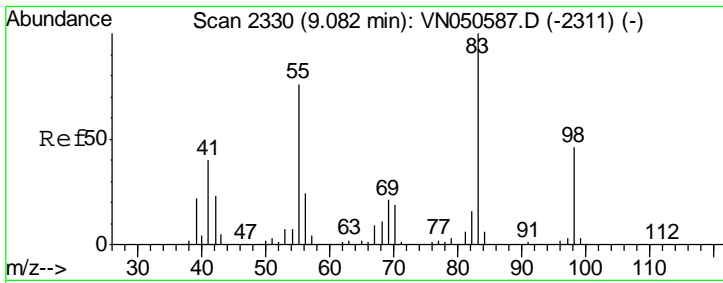
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 8/15/2018 3:31:20 PM



#38
 Carbon Tetrachloride
 Concen: 47.72 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
117	100		
119	96.5	76.6	115.0
121	30.9	25.0	37.6





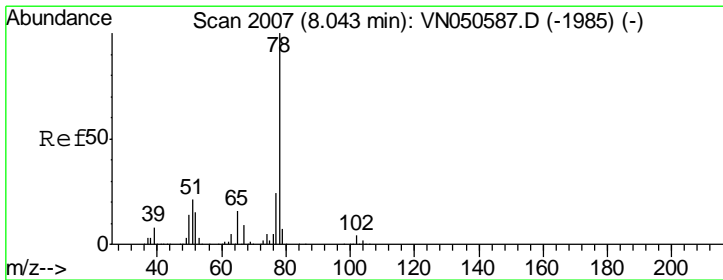
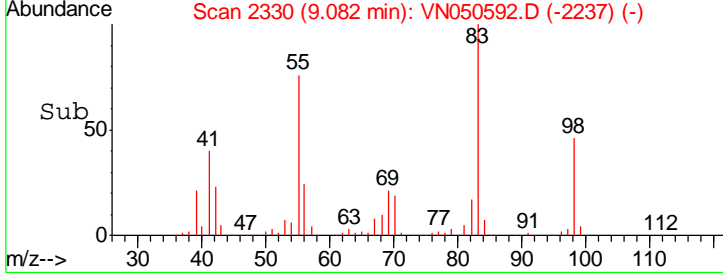
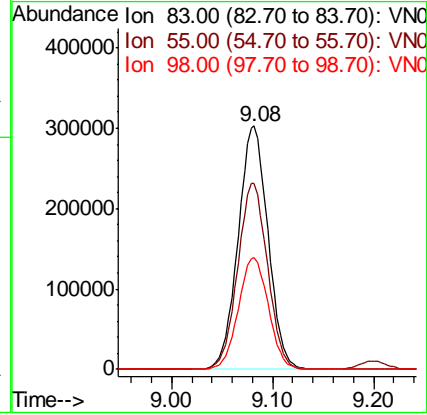
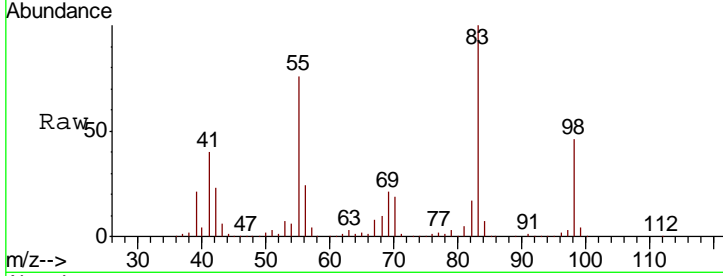
#39
 Methylcyclohexane
 Concen: 54.38 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	100		
55	76.3	60.6	91.0
98	45.8	37.0	55.4

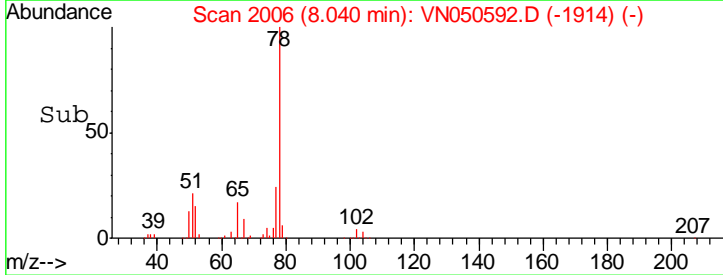
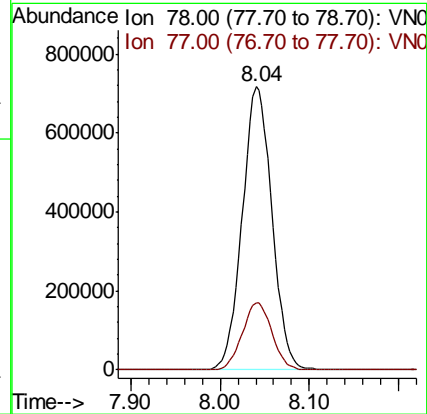
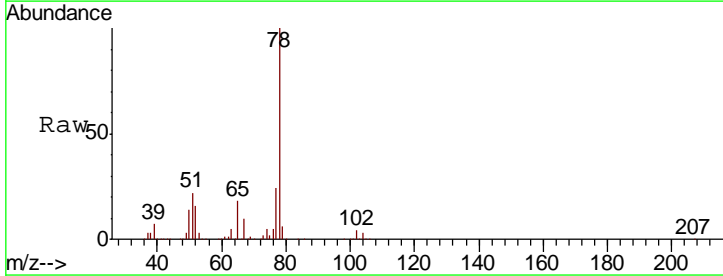
Manual Integrations
 APPROVED

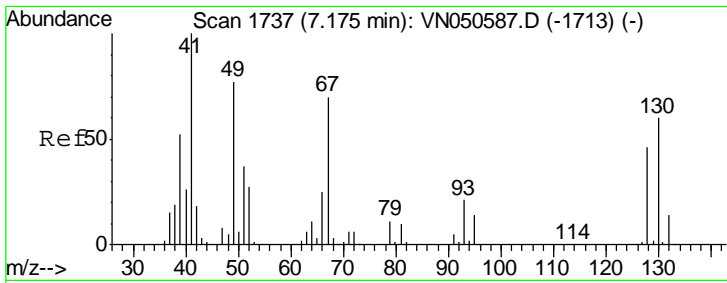
MMDadoda
 8/15/2018 3:31:20 PM



#40
 Benzene
 Concen: 49.38 ug/l
 RT: 8.04 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

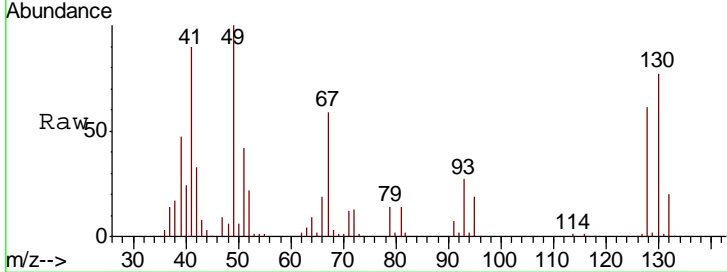
Tgt Ion	Resp	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41
 Methacrylonitrile
 Concen: 50.86 ug/l
 RT: 7.18 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

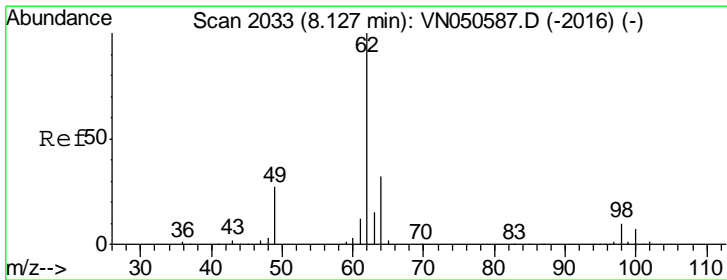
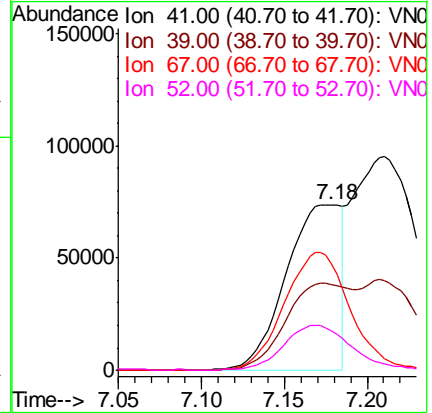
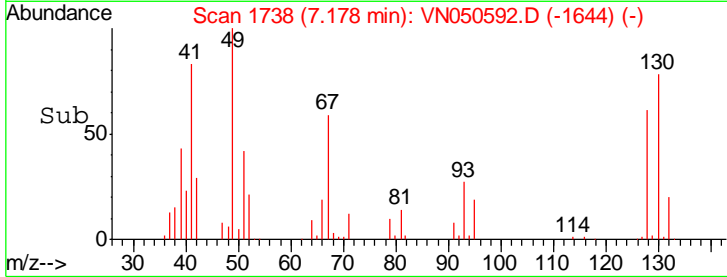
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



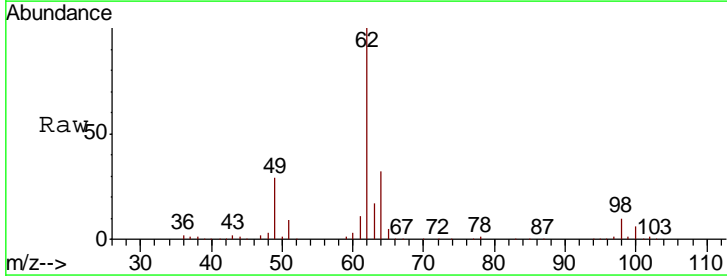
Tgt Ion: 41 Resp: 171535

Ion	Ratio	Lower	Upper
41	100		
39	64.6	44.6	66.8
67	84.7	66.7	100.1
52	32.5	26.5	39.7

Manual Integrations
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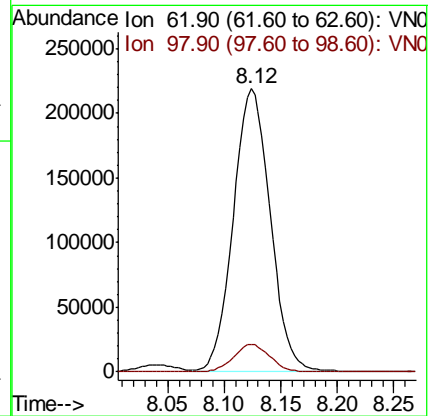
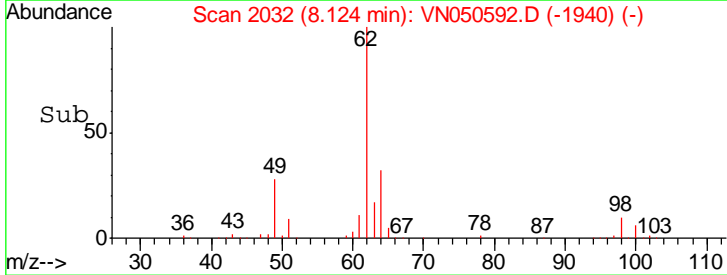


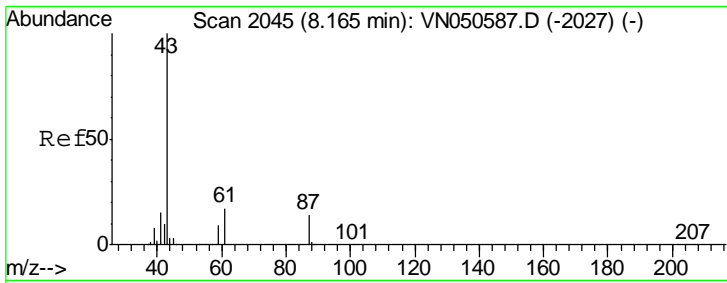
#42
 1,2-Dichloroethane
 Concen: 48.20 ug/l
 RT: 8.12 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45



Tgt Ion: 62 Resp: 495952

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





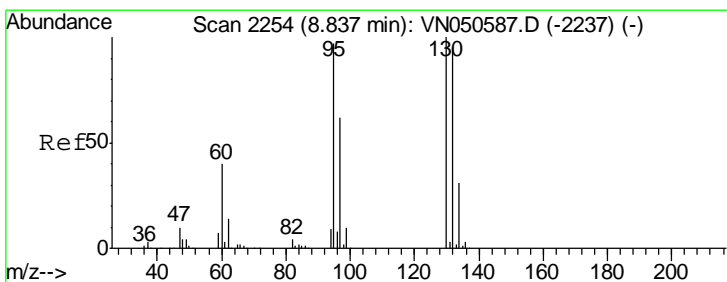
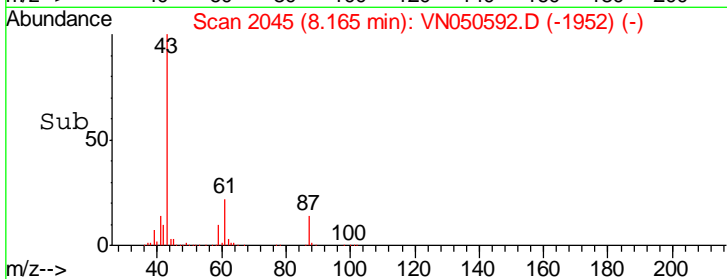
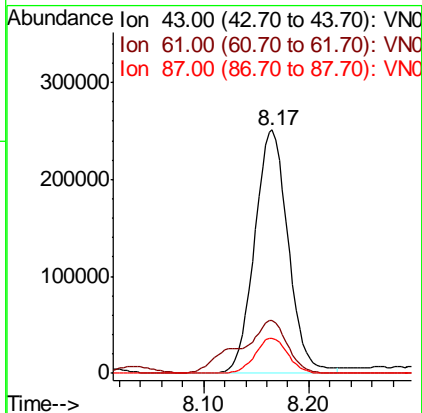
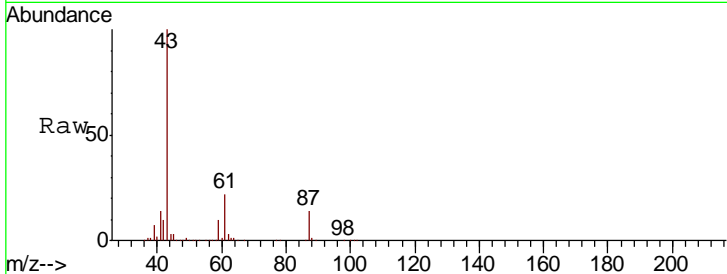
#43
 Isopropyl Acetate
 Concen: 48.88 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.8	16.2	24.2
87	14.1	10.9	16.3

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

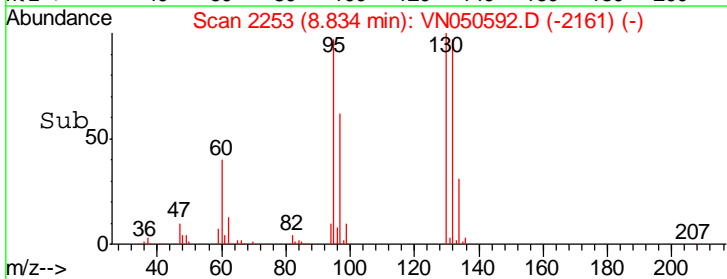
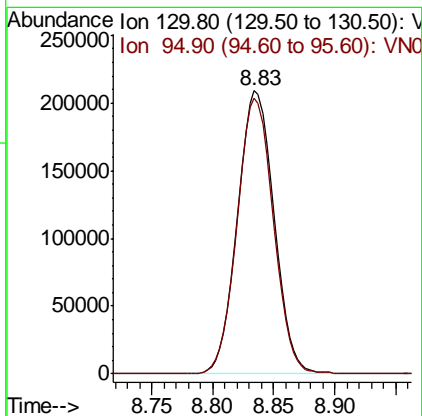
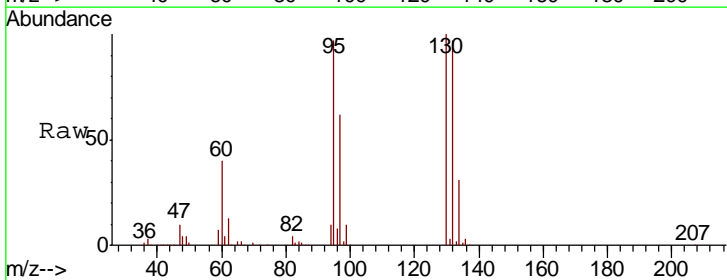
Manual Integrations
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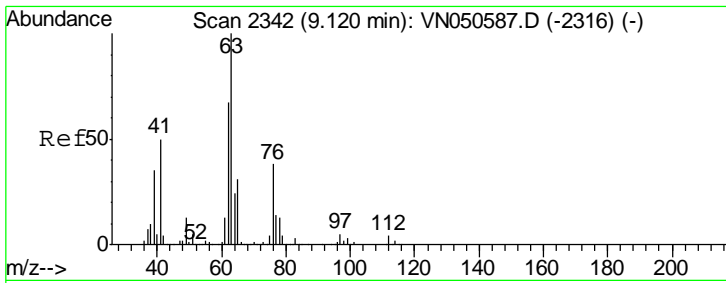
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 8/15/2018 3:31:20 PM



#44
 Trichloroethene
 Concen: 48.15 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
130	100		
95	97.4	0.0	193.8





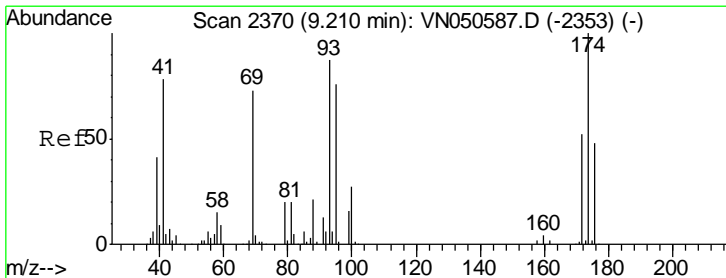
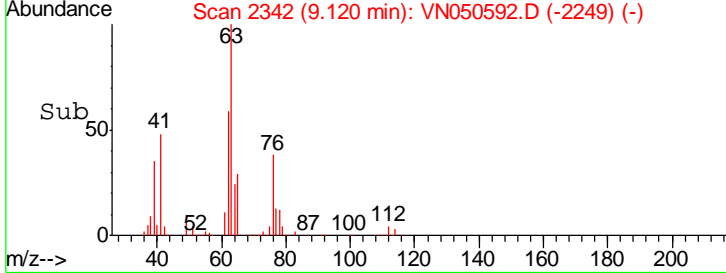
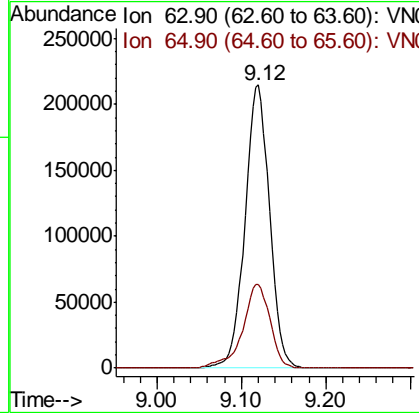
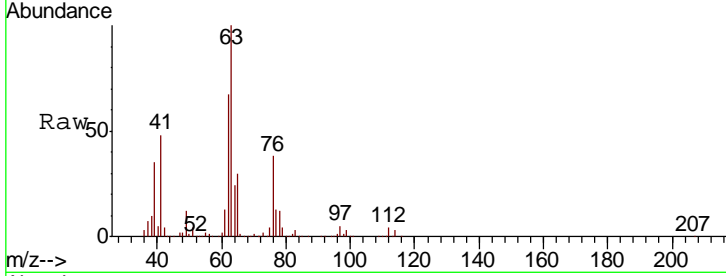
#45
 1,2-Dichloropropane
 Concen: 48.87 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 63 Resp: 436791

Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.5	36.7

Manual Integrations
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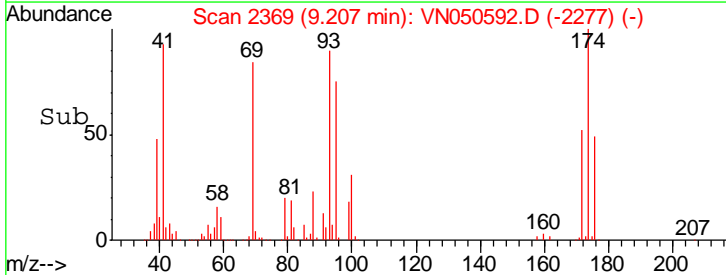
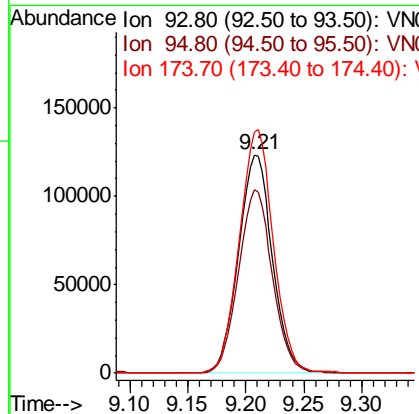
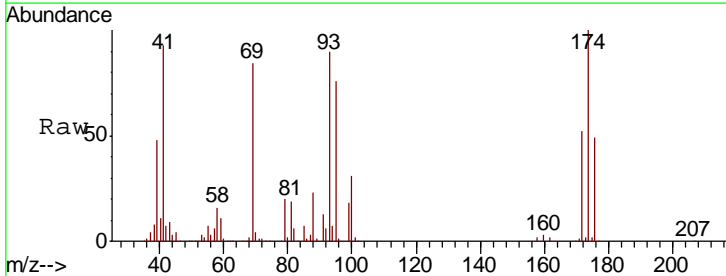


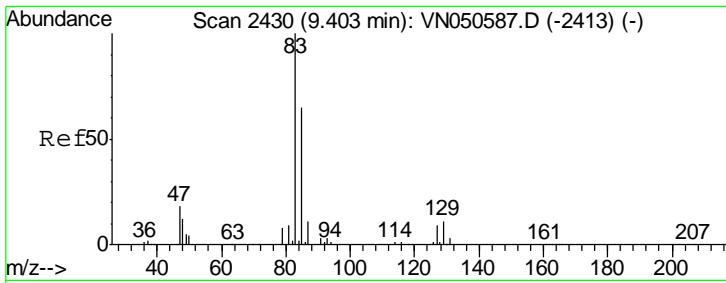
#46
 Dibromomethane
 Concen: 47.54 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 93 Resp: 250914

Ion	Ratio	Lower	Upper
93	100		
95	83.7	69.1	103.7
174	112.2	91.0	136.6





#47

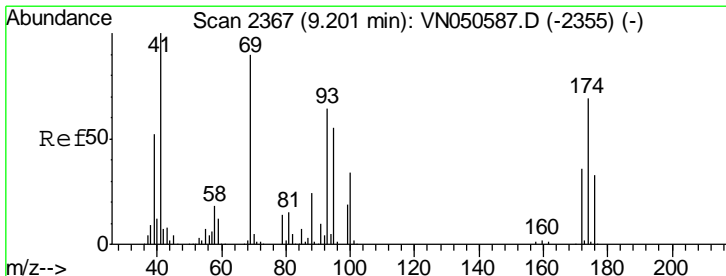
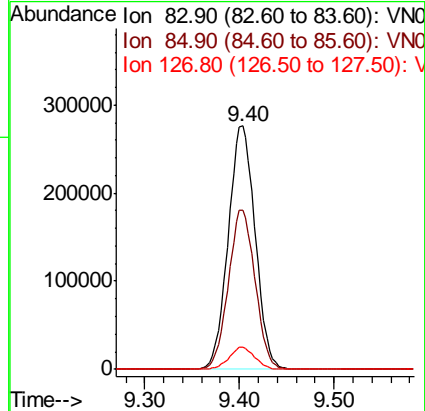
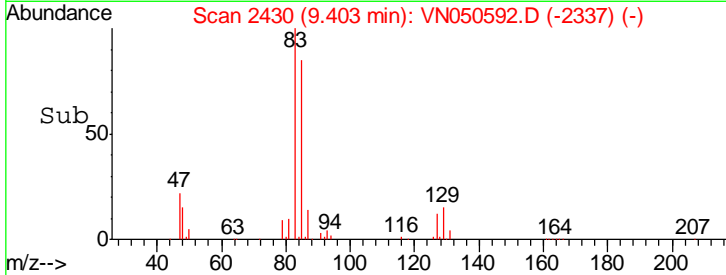
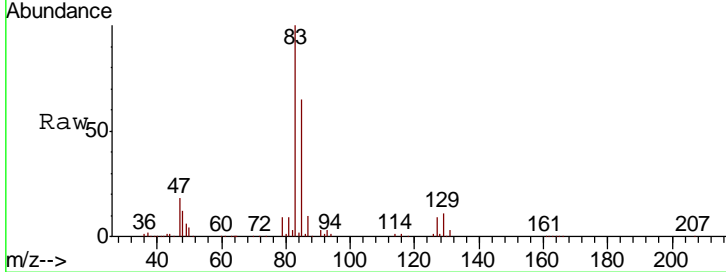
Bromodichloromethane
 Concen: 48.47 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.3	51.8	77.6
127	9.1	7.2	10.8

Manual Integrations
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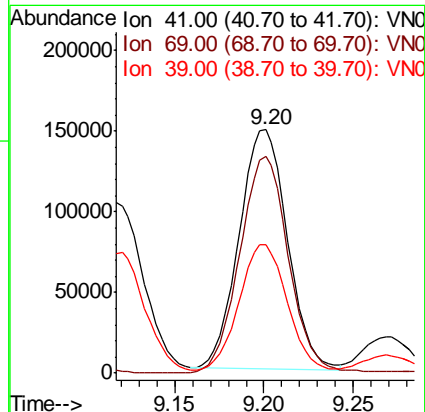
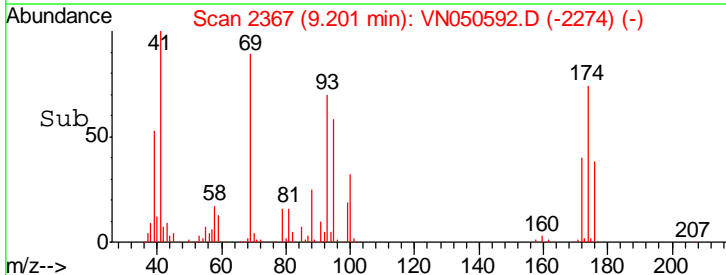
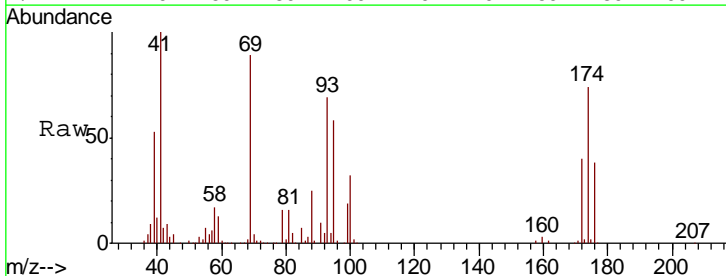
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 8/15/2018 3:31:20 PM

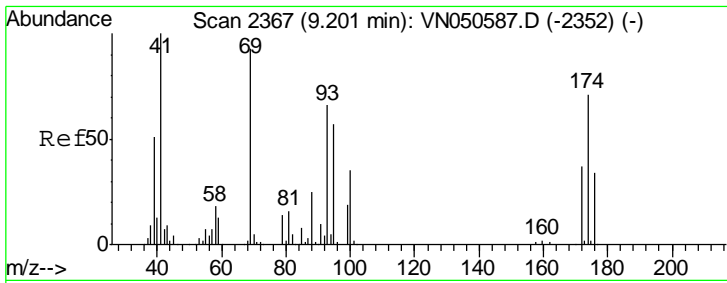


#48

Methyl methacrylate
 Concen: 48.99 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
41	100		
69	92.1	73.4	110.0
39	54.1	43.0	64.6





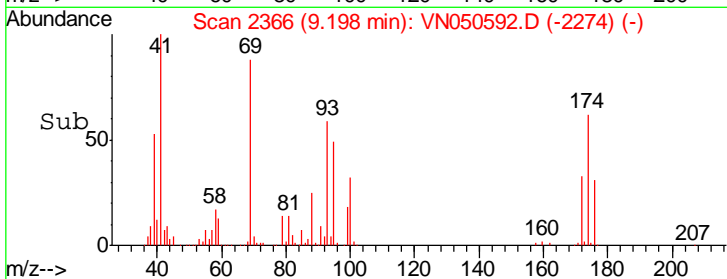
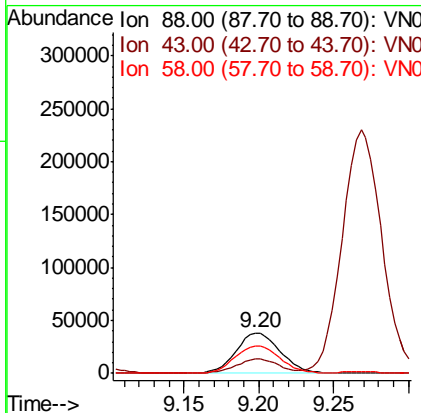
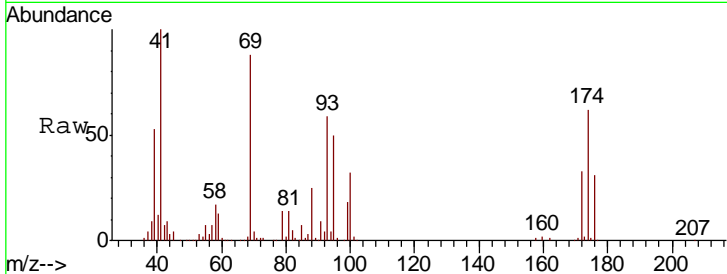
#49
 1,4-Dioxane
 Concen: 1041.75 ug/l
 RT: 9.20 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
88	100		
43	32.1	25.9	38.9
58	69.6	56.5	84.7

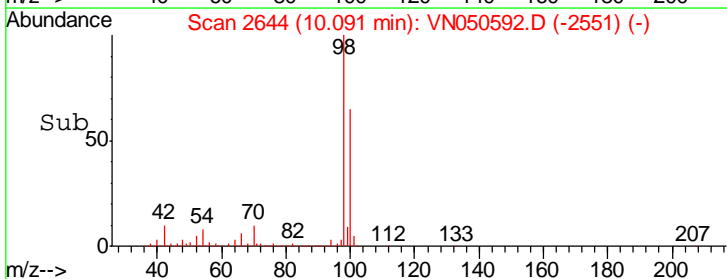
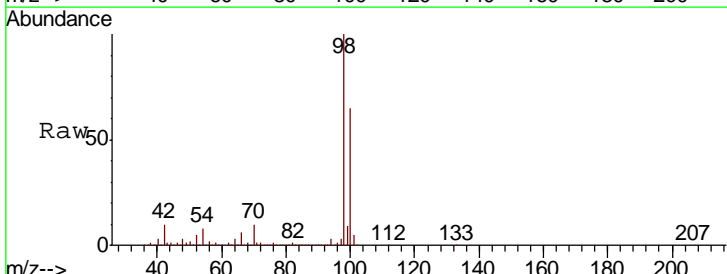
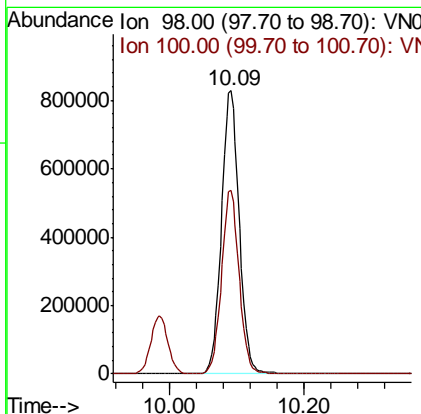
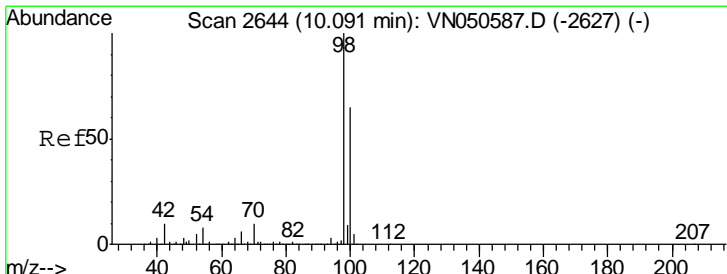
Manual Integrations
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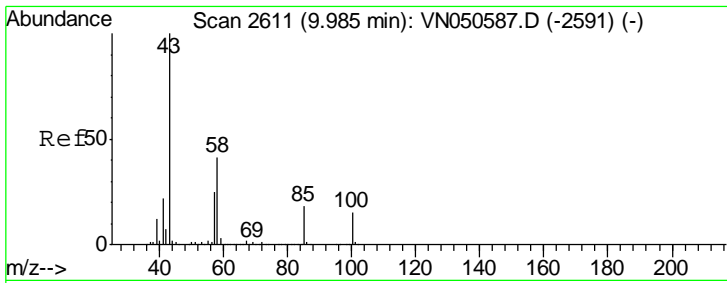
MMDadoda
 8/15/2018 3:31:20 PM



#50
 Toluene-d8
 Concen: 51.22 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.9	51.8	77.8





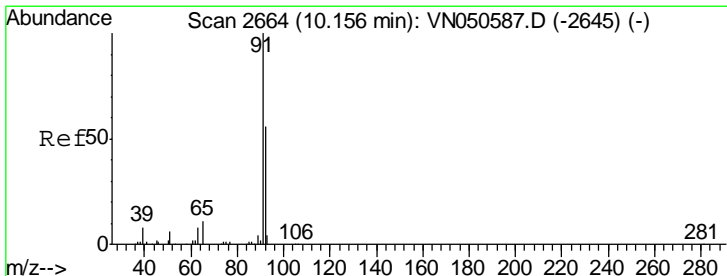
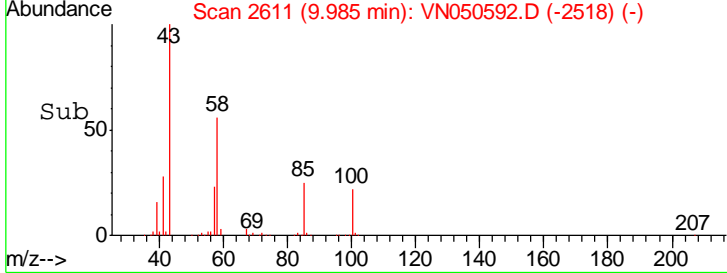
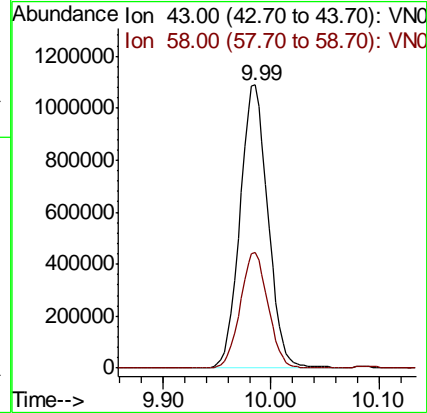
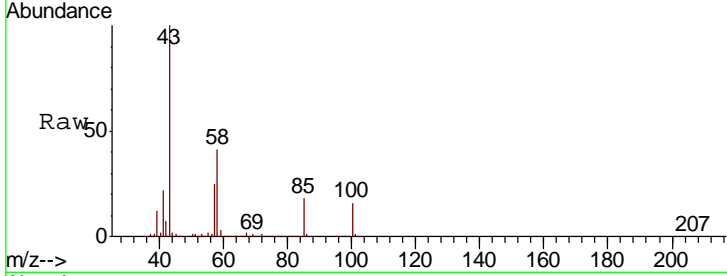
#51
 4-Methyl-2-Pentanone
 Concen: 256.11 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 1969243

Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.5	48.7

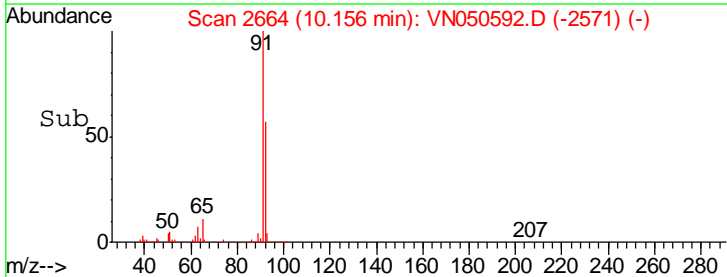
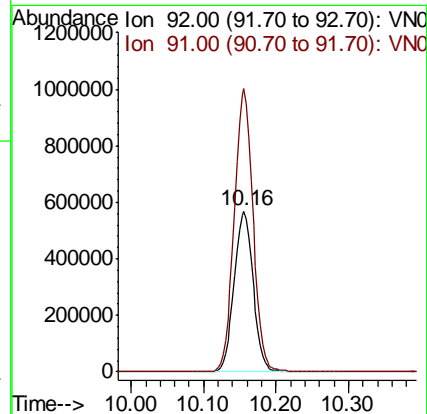
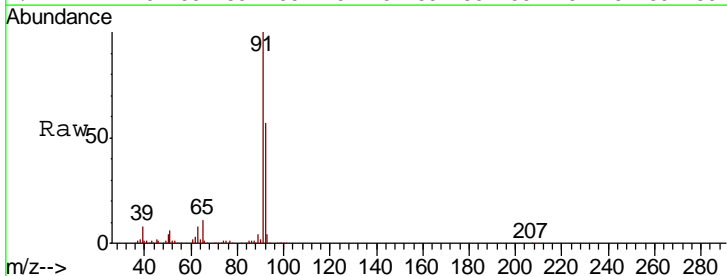
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:31:20 PM

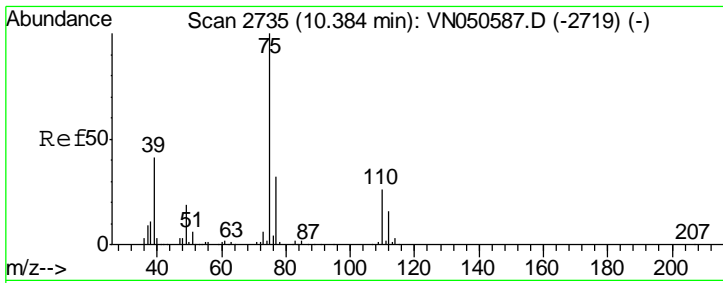


#52
 Toluene
 Concen: 52.05 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 92 Resp: 1043404

Ion	Ratio	Lower	Upper
92	100		
91	173.5	141.9	212.9



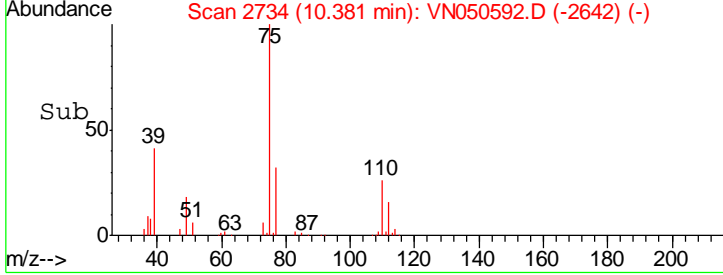
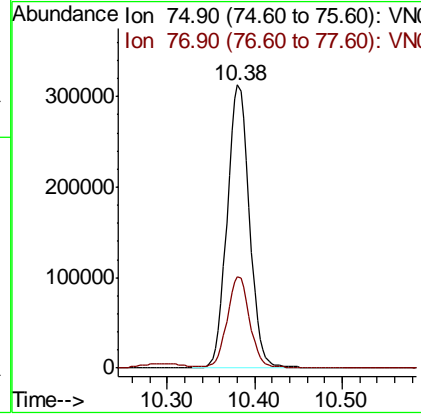
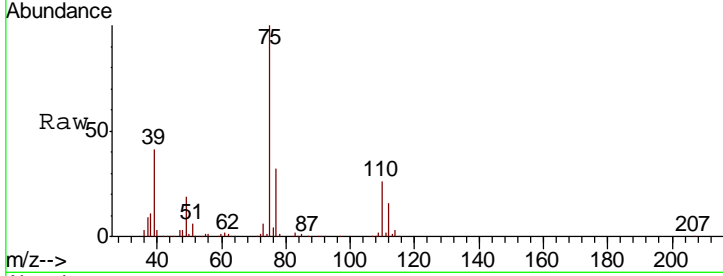


#53
 t-1,3-Dichloropropene
 Concen: 52.71 ug/l
 RT: 10.38 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

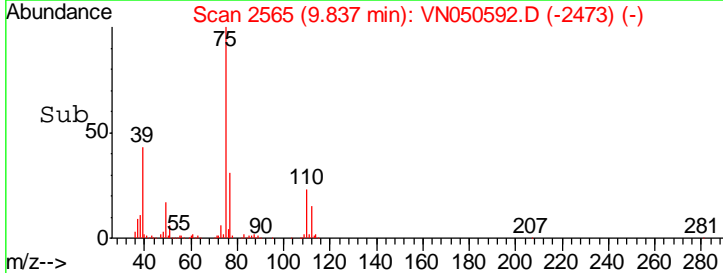
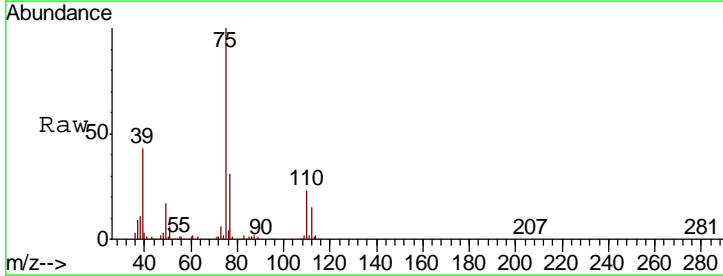
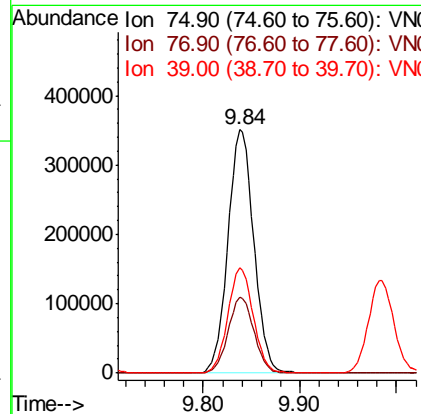
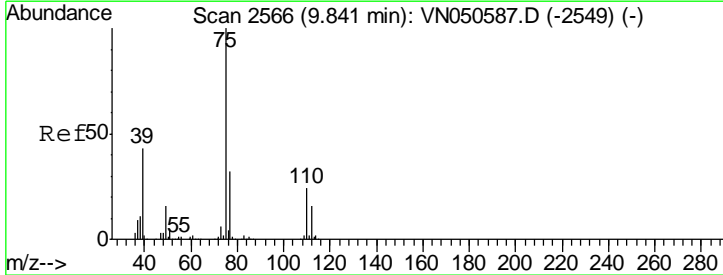
Tgt Ion	Resp	Lower	Upper
75	553873		
75	100		
77	32.1	25.8	38.6

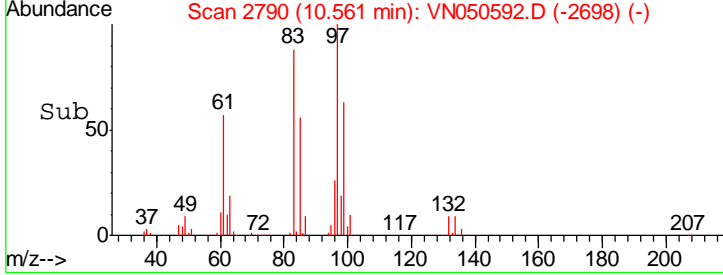
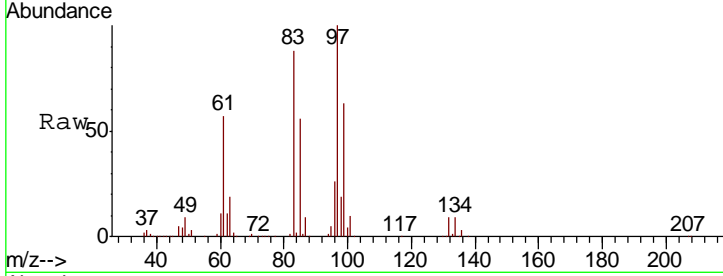
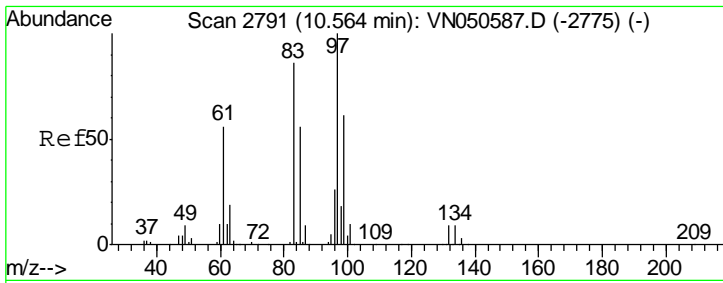
Manual Integrations
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 MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 54.12 ug/l
 RT: 9.84 min Scan# 2565
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
75	652377		
75	100		
77	31.2	25.6	38.4
39	43.3	34.4	51.6



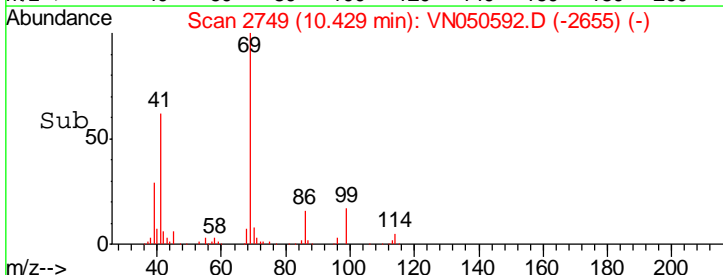
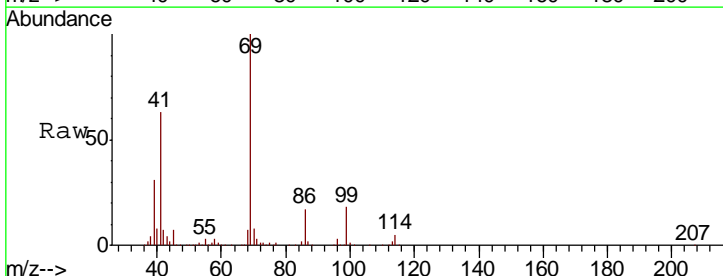
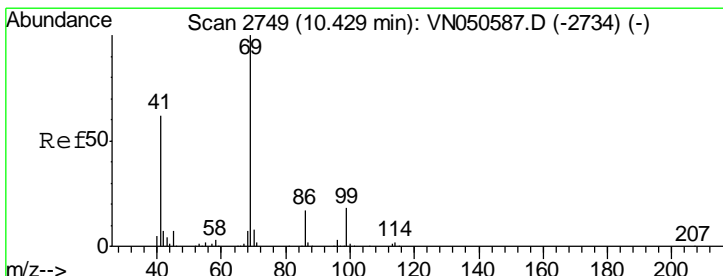
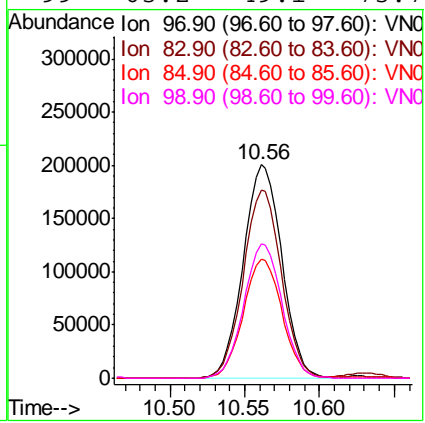


#55
 1,1,2-Trichloroethane
 Concen: 48.31 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
97	361768		
97	100		
83	88.1	68.5	102.7
85	55.9	44.6	66.8
99	63.2	49.1	73.7

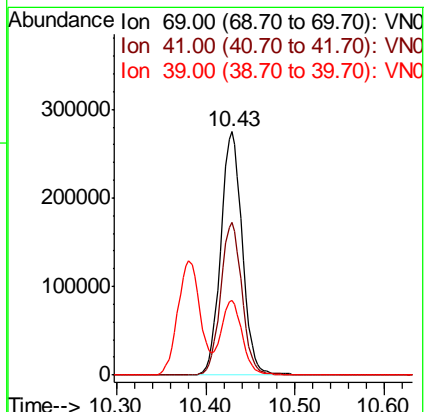
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

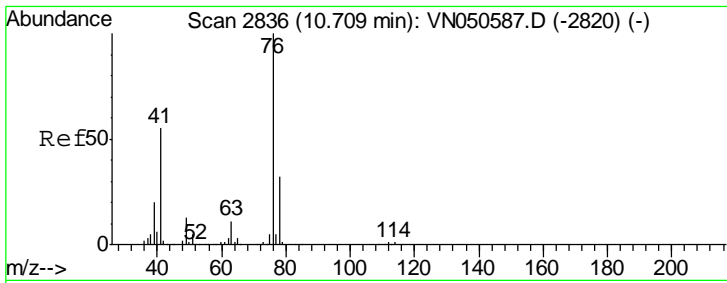
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 47.89 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
69	456717		
69	100		
41	62.3	49.7	74.5
39	30.4	24.2	36.2



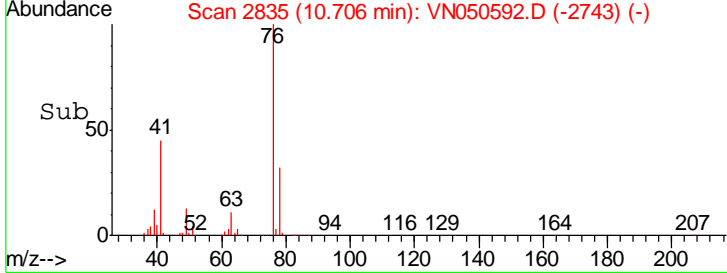
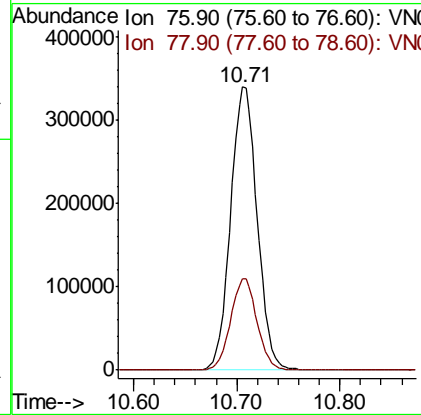
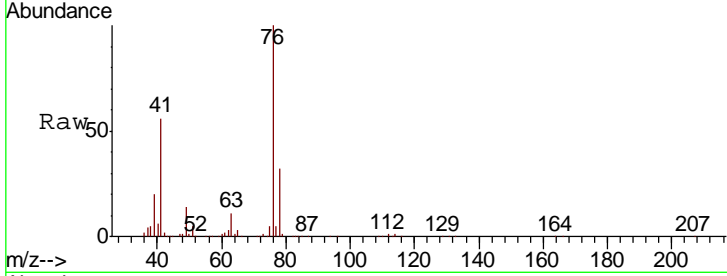


#57
 1,3-Dichloropropane
 Concen: 49.67 ug/l
 RT: 10.71 min Scan# 2835
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

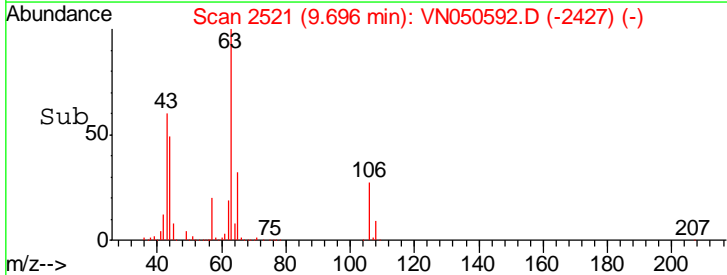
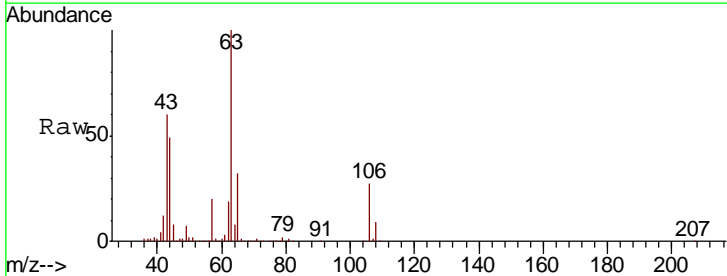
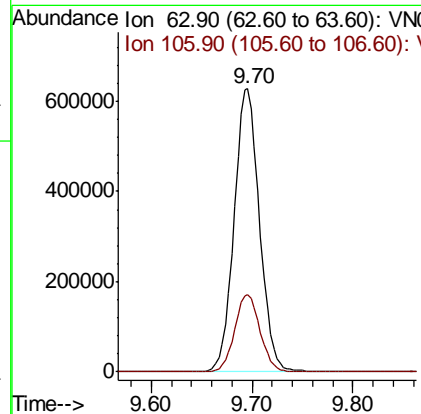
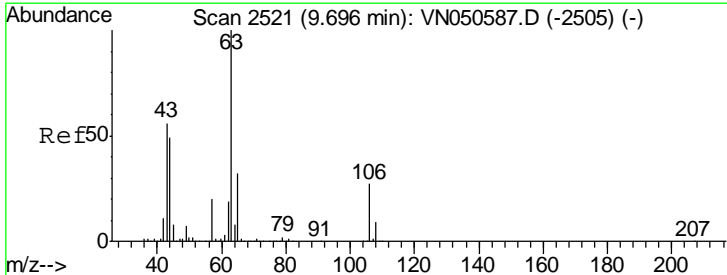
Tgt Ion	Resp	Lower	Upper
76	609877		
76	100		
78	32.2	25.8	38.6

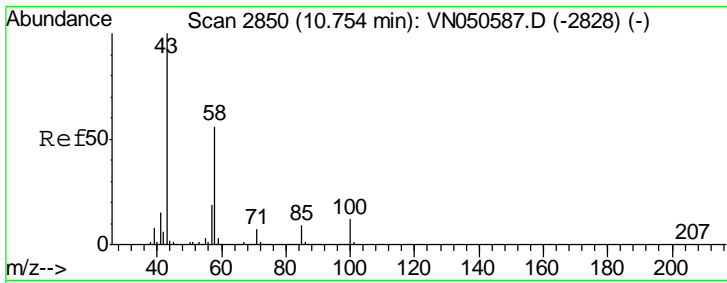
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 240.89 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
63	1100544		
63	100		
106	27.4	21.7	32.5





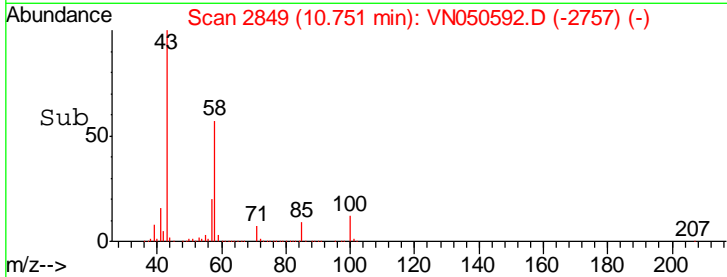
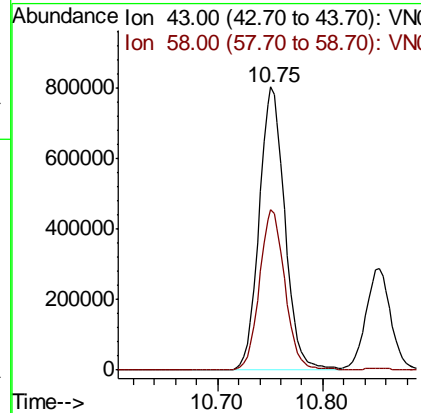
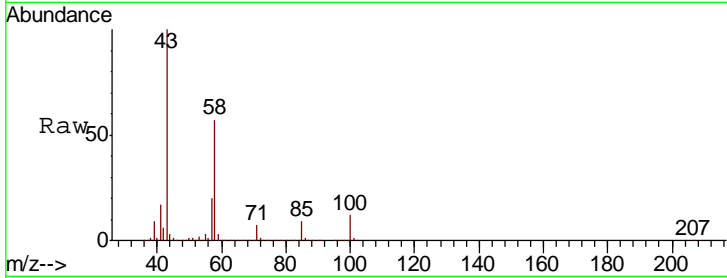
#59
 2-Hexanone
 Concen: 274.55 ug/l
 RT: 10.75 min Scan# 2849
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 1362504

Ion	Ratio	Lower	Upper
43	100		
58	56.4	28.0	84.0

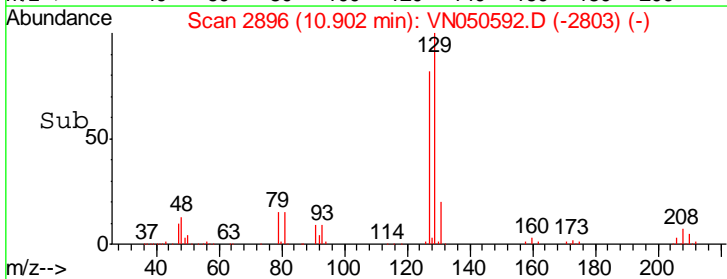
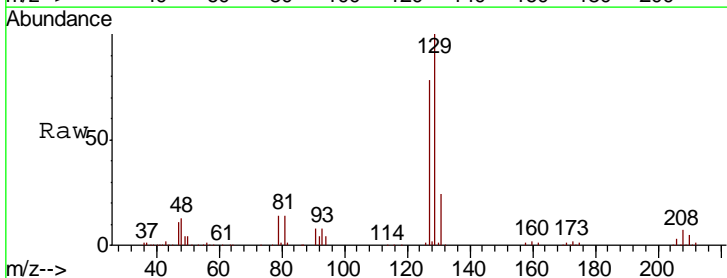
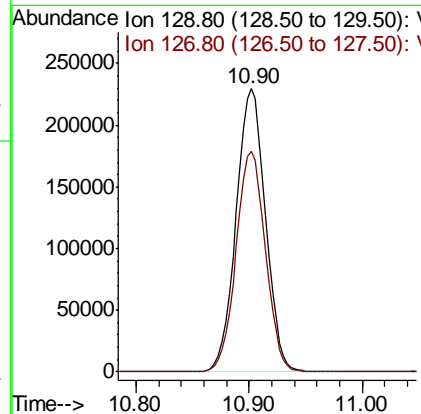
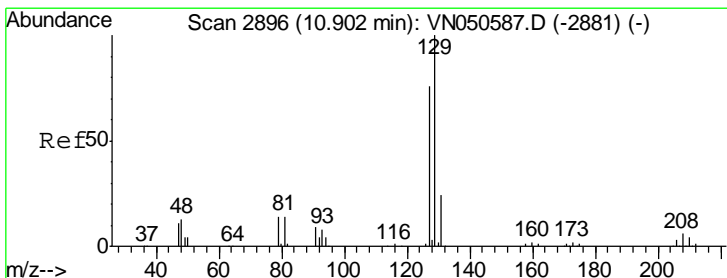
Manual Integrations
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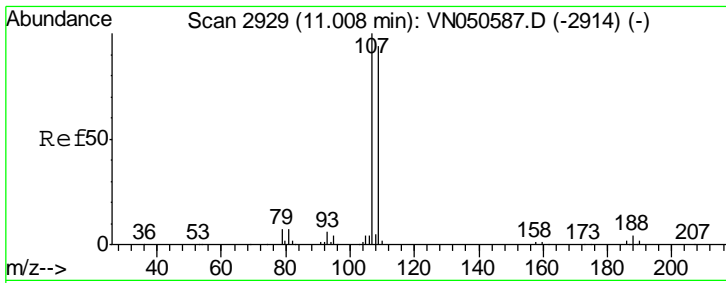


#60
 Dibromochloromethane
 Concen: 50.21 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 129 Resp: 415043

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.9	116.7



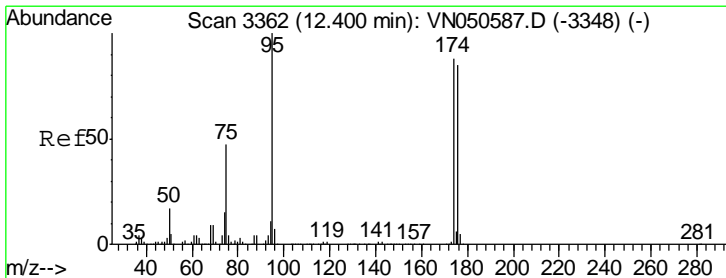
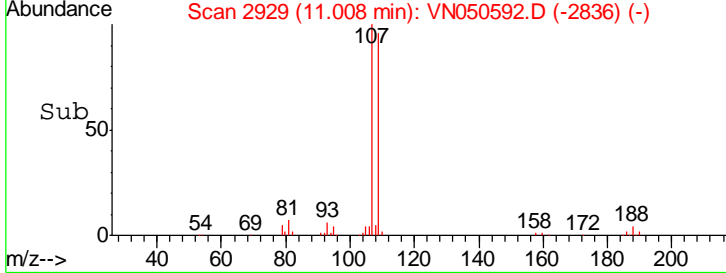
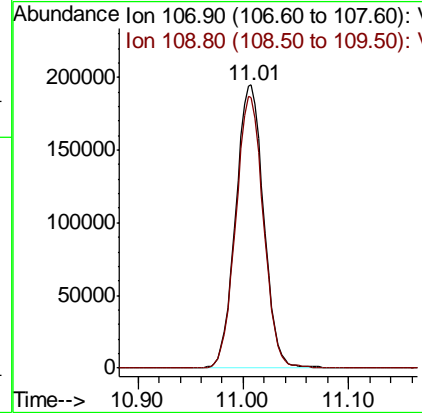
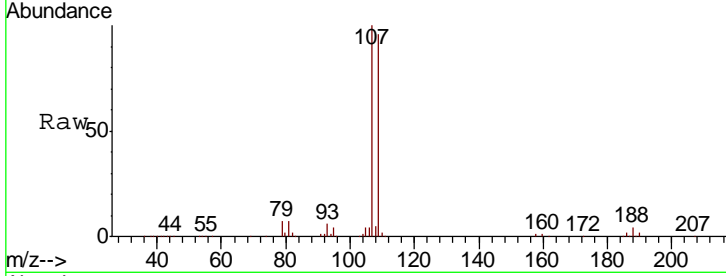


#61
 1,2-Dibromoethane
 Concen: 50.03 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDC050

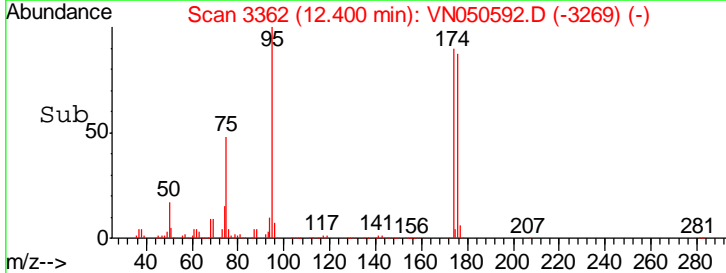
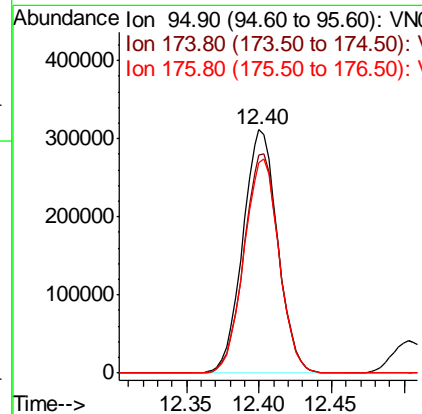
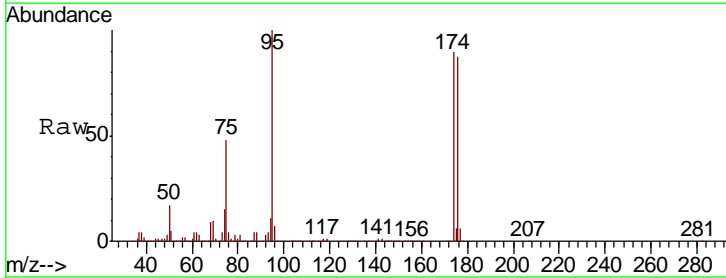
Tgt Ion	Resp	Lower	Upper
107	100		
109	95.0	75.7	113.5

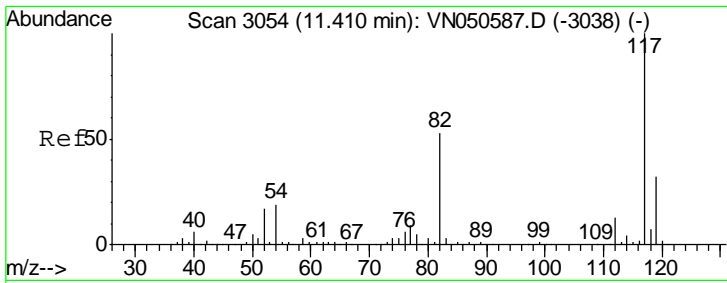
Manual Integrations APPROVED
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#62
 4-Bromofluorobenzene
 Concen: 52.75 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
95	100		
174	90.7	0.0	177.8
176	88.6	0.0	175.0



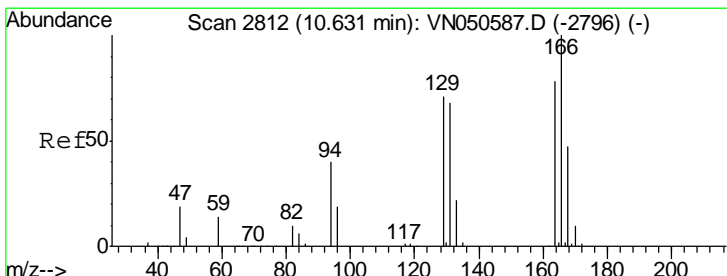
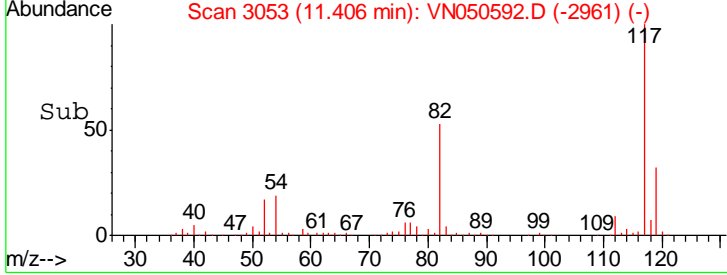
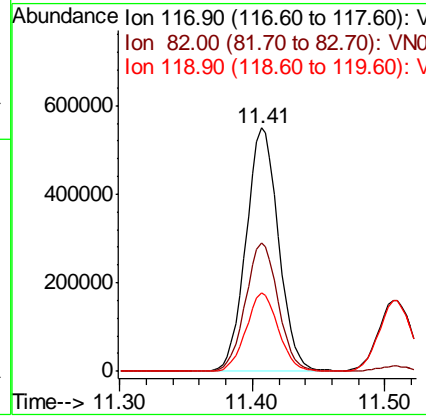
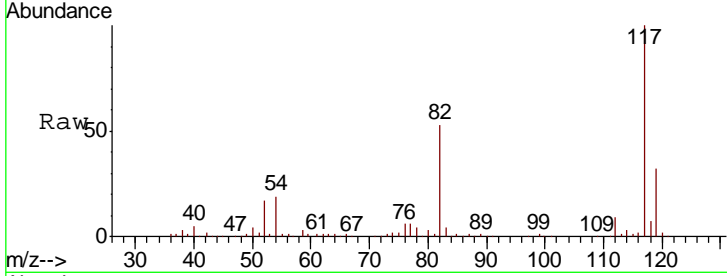


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

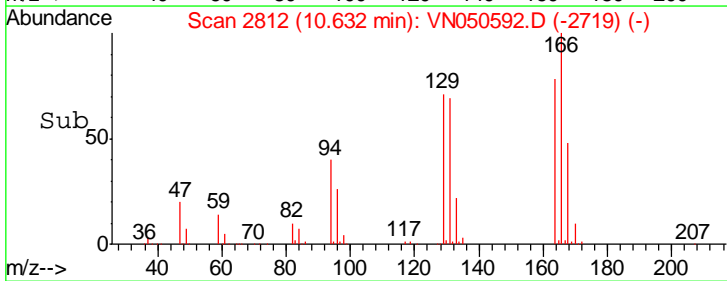
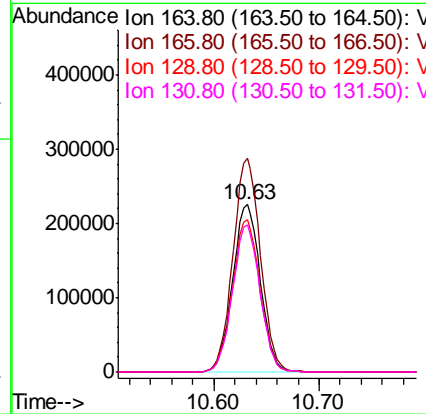
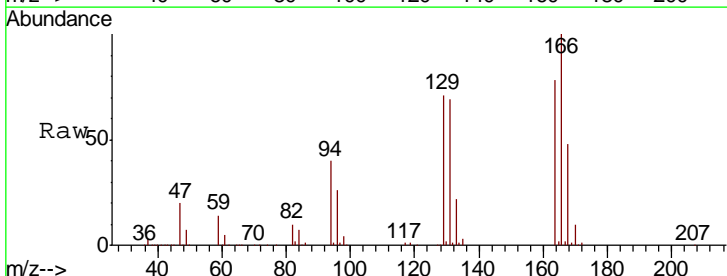
Tgt Ion	Resp	Lower	Upper
117	936403		
82	52.9	42.4	63.6
119	32.2	25.8	38.8

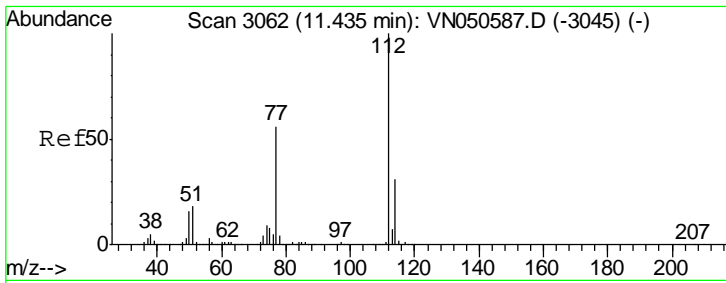
Manual Integrations
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#64
 Tetrachloroethene
 Concen: 46.90 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
164	407859		
166	127.8	102.1	153.1
129	91.0	72.7	109.1
131	88.2	69.9	104.9





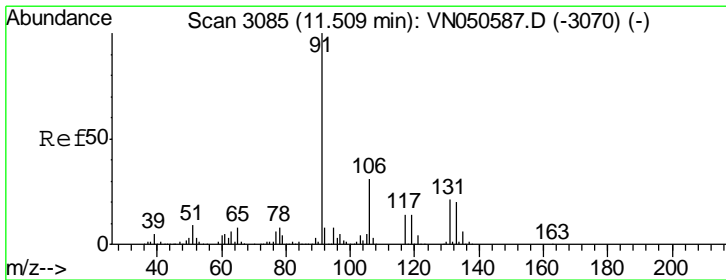
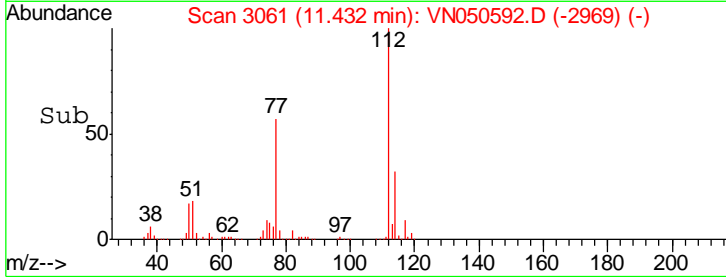
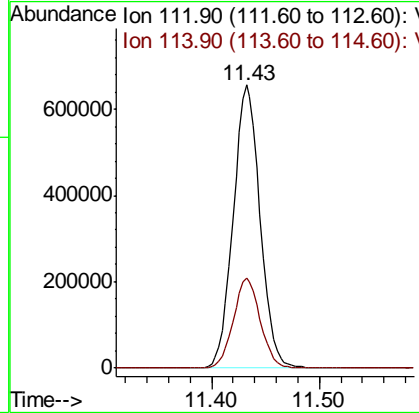
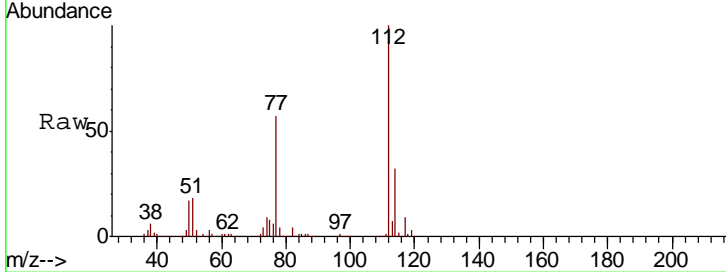
#65
 Chlorobenzene
 Concen: 48.69 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion:112 Resp: 1134753

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.2	37.8

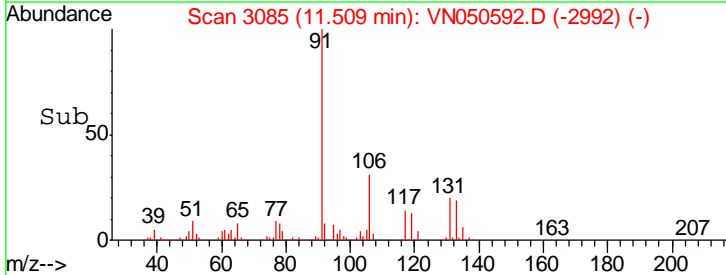
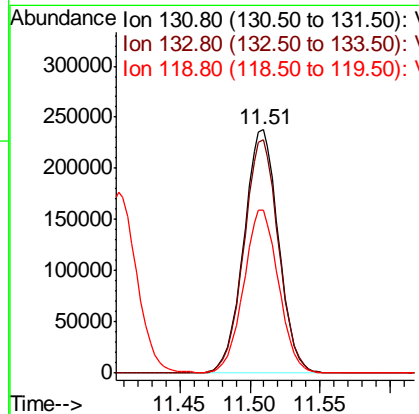
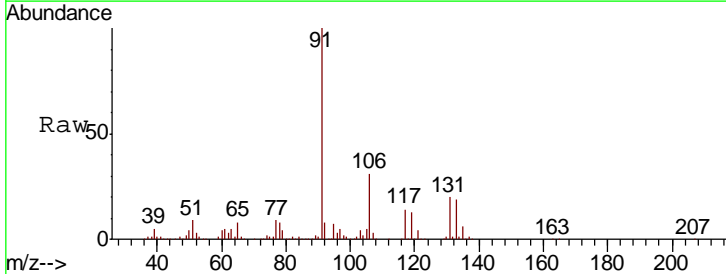
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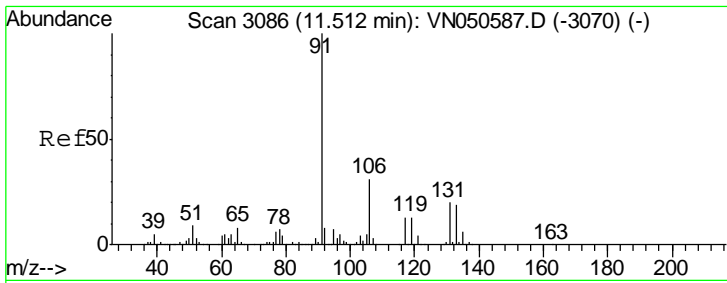


#66
 1,1,1,2-Tetrachloroethane
 Concen: 46.92 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion:131 Resp: 409900

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.6	142.9
119	67.3	33.1	99.3





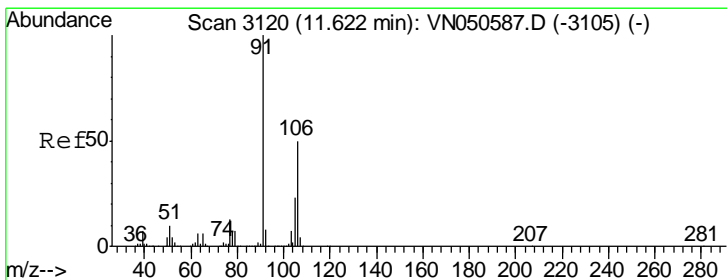
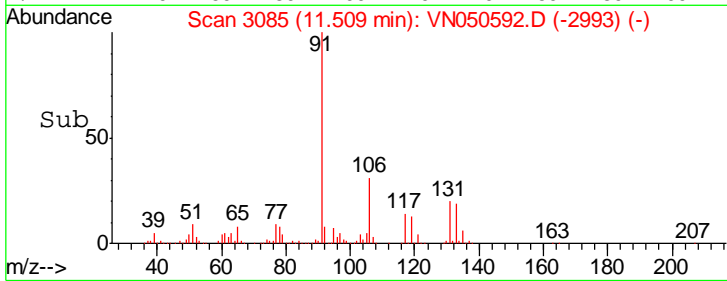
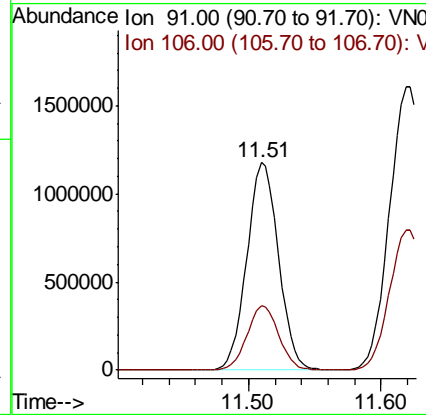
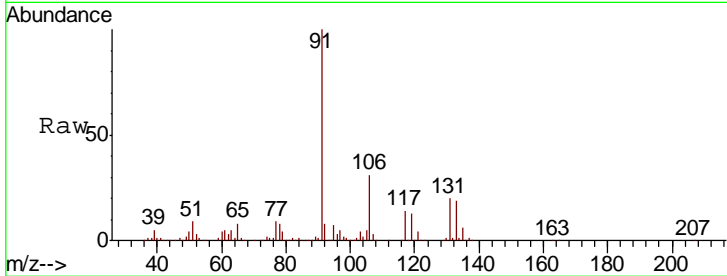
#67
Ethyl Benzene
Concen: 51.99 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
ClientSampled : VSTDCCC050

Tgt Ion: 91 Resp: 1956551

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.8	37.2

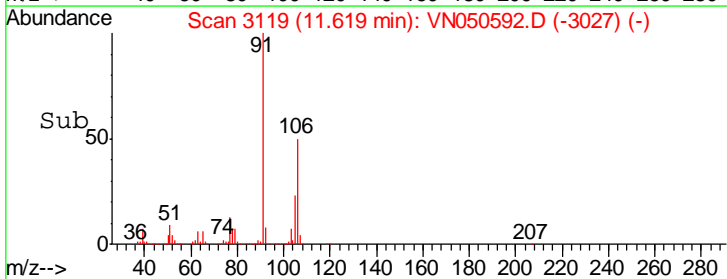
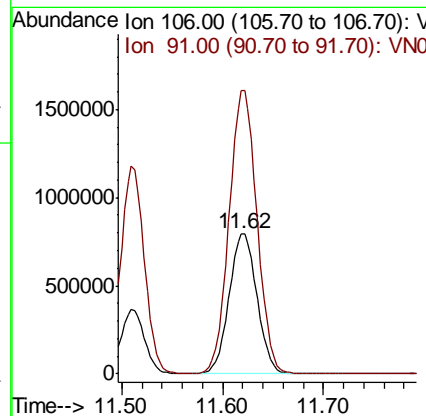
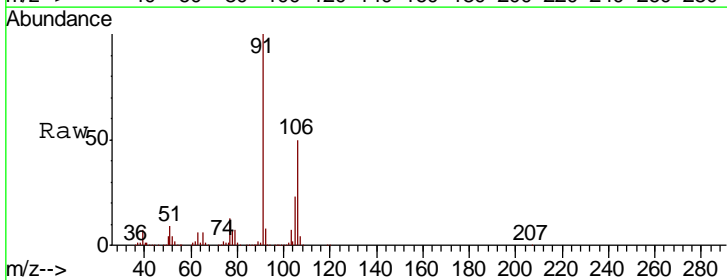
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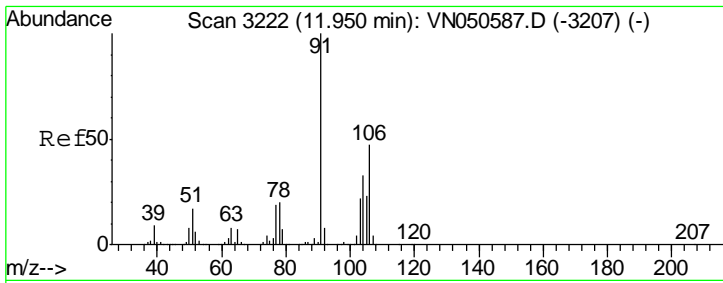


#68
m/p-Xylenes
Concen: 106.30 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion: 106 Resp: 1529897

Ion	Ratio	Lower	Upper
106	100		
91	202.5	161.5	242.3



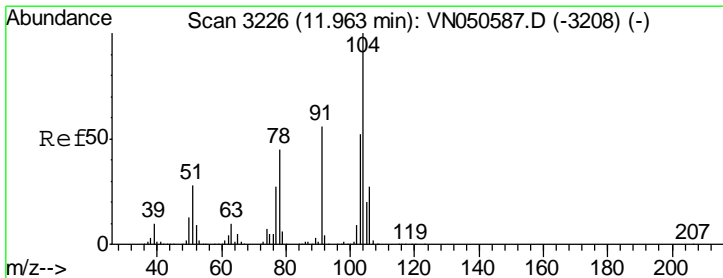
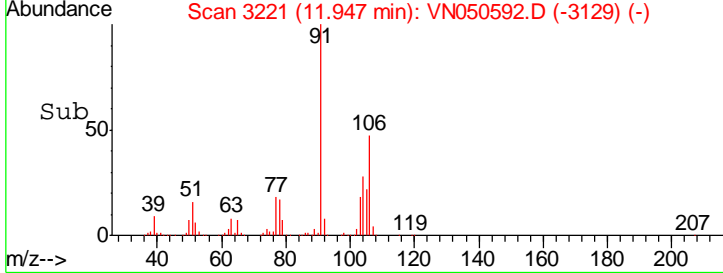
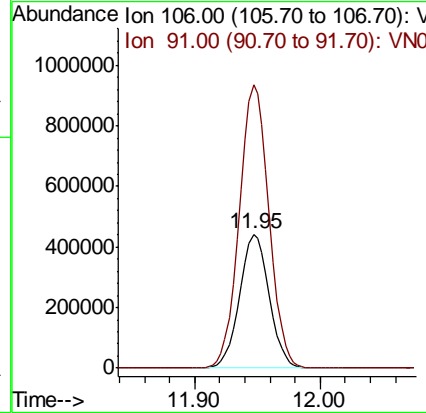
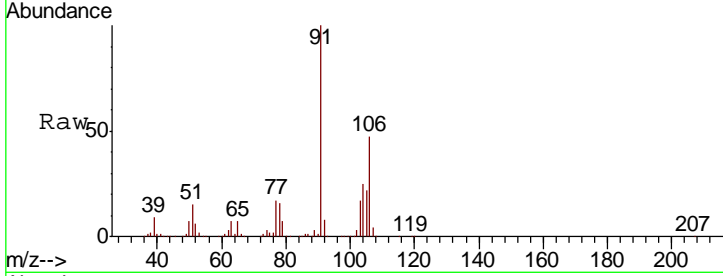


#69
 o-Xylene
 Concen: 52.57 ug/l
 RT: 11.95 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

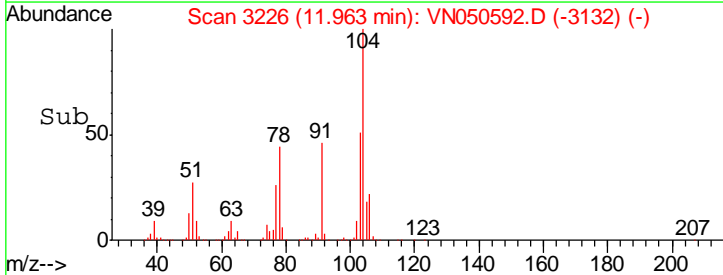
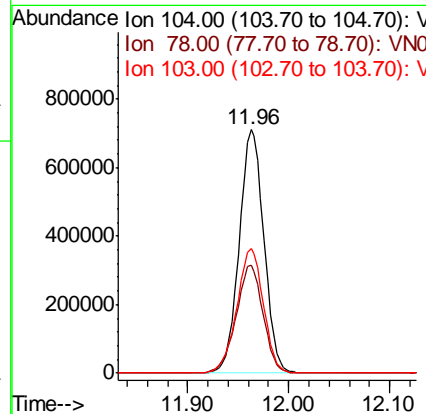
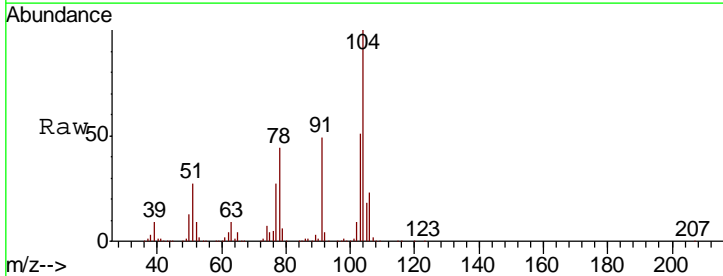
Tgt Ion	Resp	Lower	Upper
106	721405		
106	100		
91	212.5	106.8	320.4

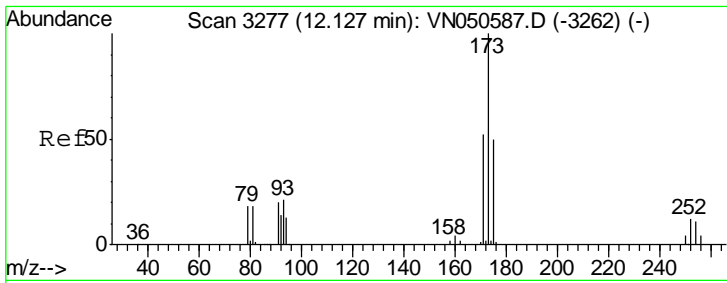
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#70
 Styrene
 Concen: 49.47 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
104	1207034		
104	100		
78	48.5	39.1	58.7
103	55.0	44.9	67.3





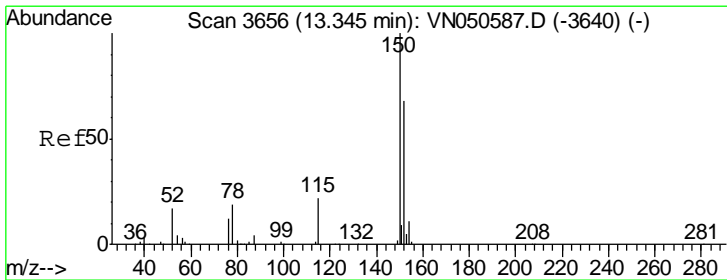
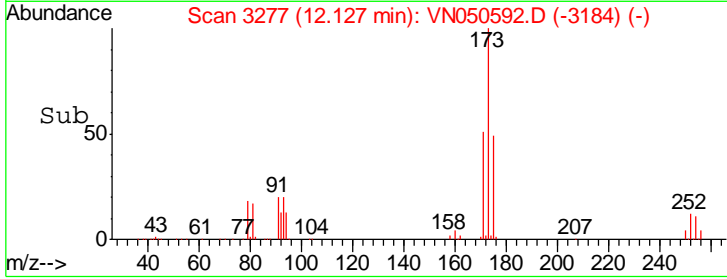
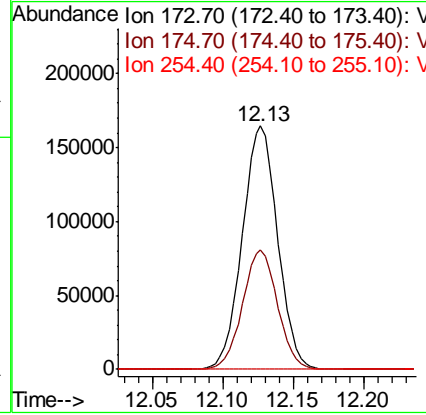
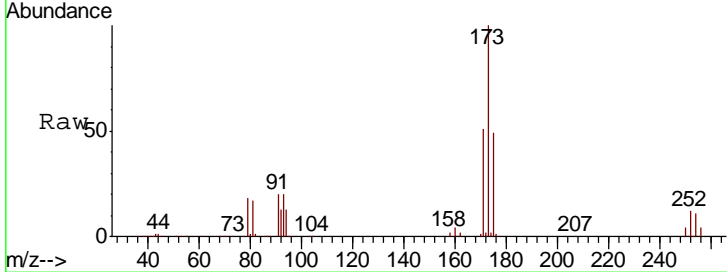
#71
 Bromoform
 Concen: 49.88 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.1	0.0	0.0

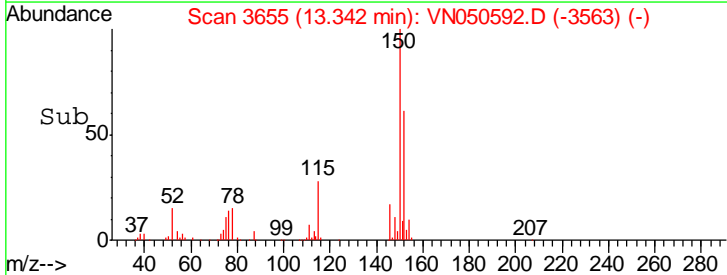
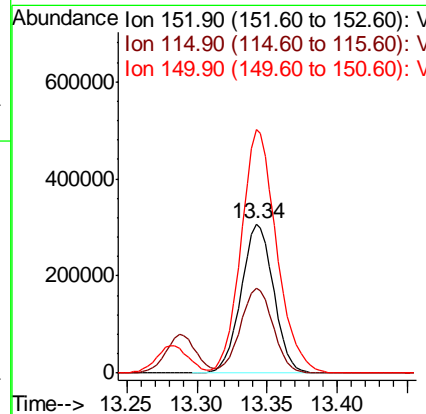
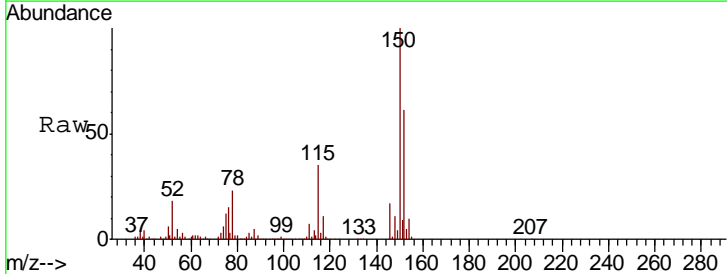
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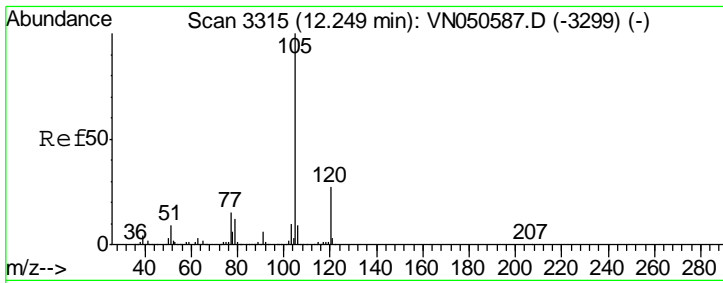
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
152	100		
115	57.4	28.1	84.2
150	177.9	0.0	347.8





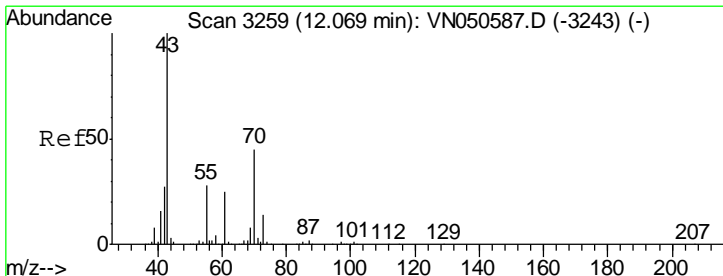
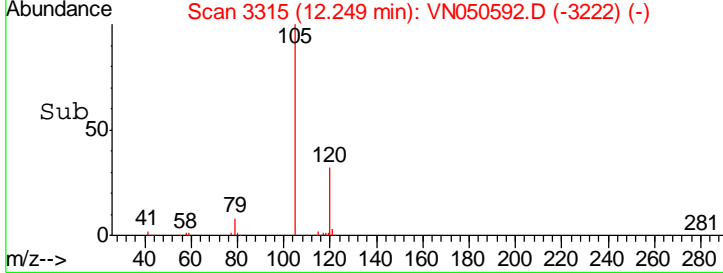
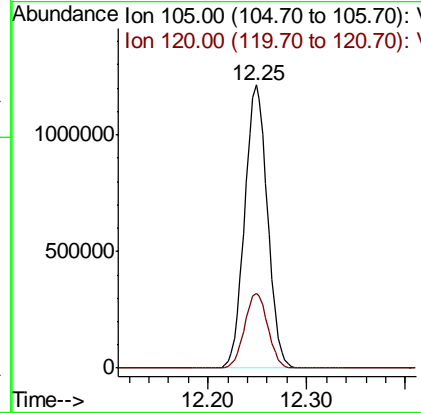
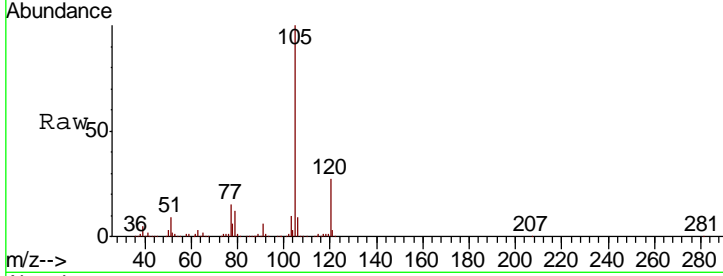
#73
 Isopropylbenzene
 Concen: 49.92 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 105 Resp: 1932179

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.4	40.1

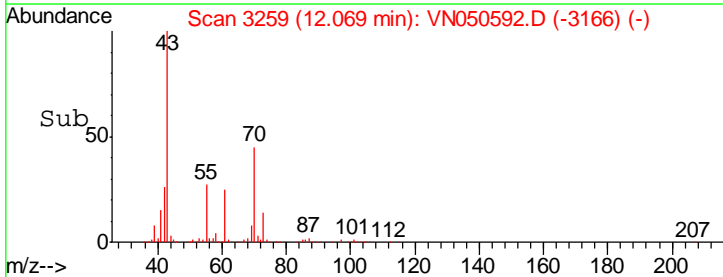
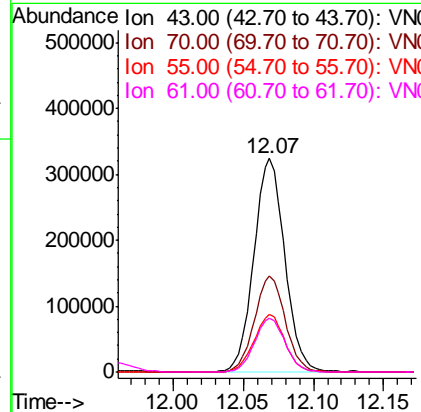
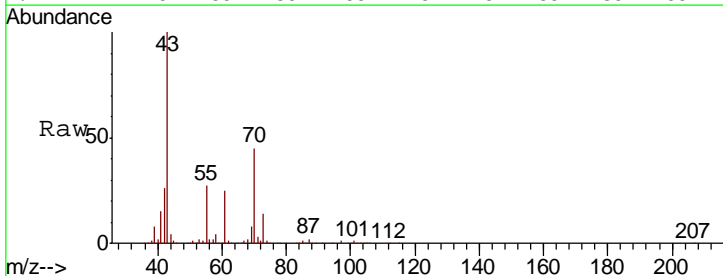
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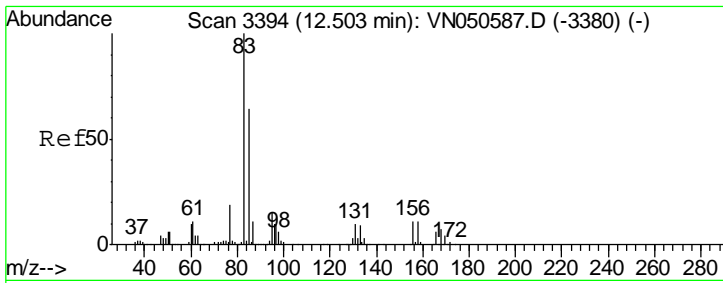


#74
 N-aryl acetate
 Concen: 49.33 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 43 Resp: 496745

Ion	Ratio	Lower	Upper
43	100		
70	44.8	35.9	53.9
55	27.1	22.2	33.4
61	25.1	20.0	30.0





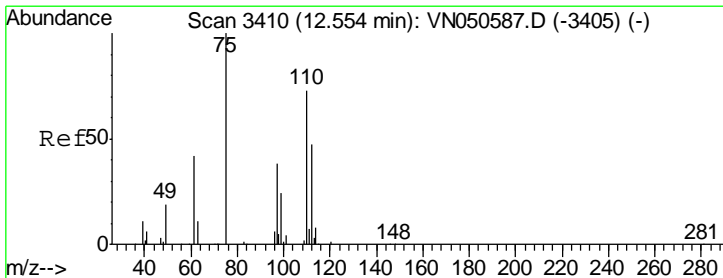
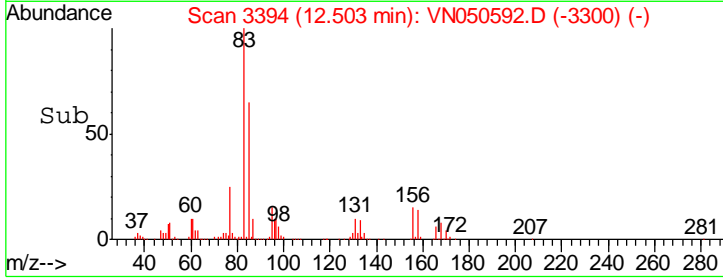
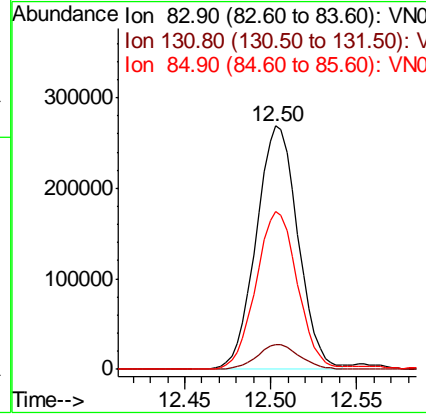
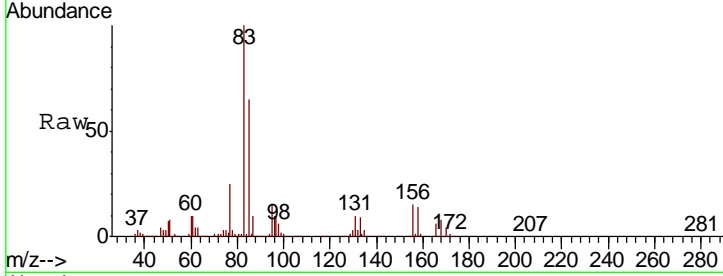
#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.31 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	451948		
131	10.5	5.3	15.9
85	64.5	32.1	96.5

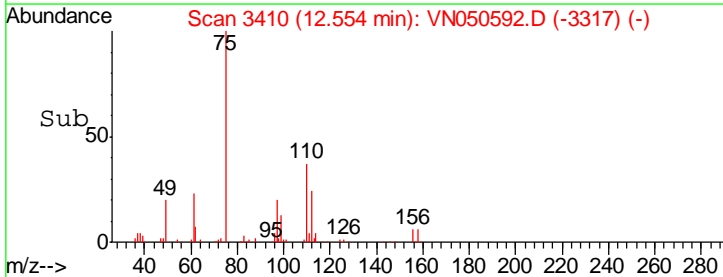
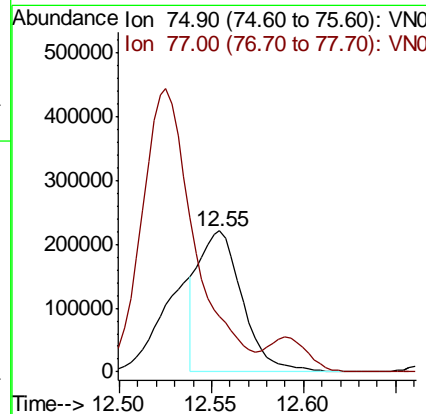
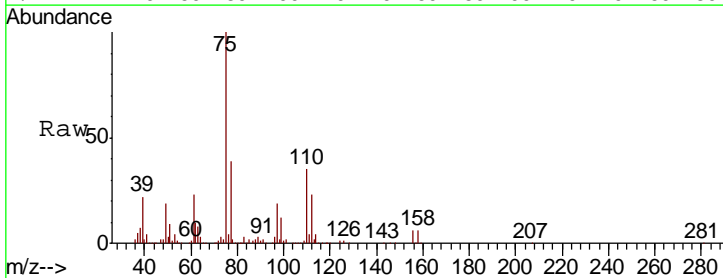
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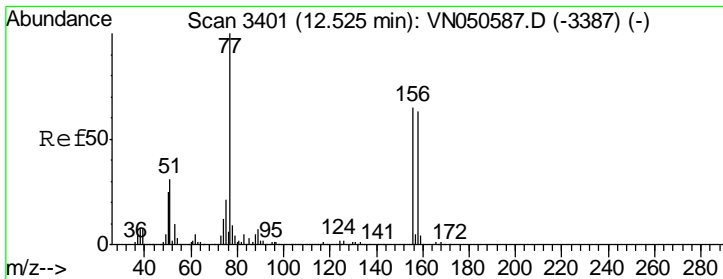
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#76
 1,2,3-Trichloropropane
 Concen: 45.25 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
75	363015		
77	0.0	0.0	0.0



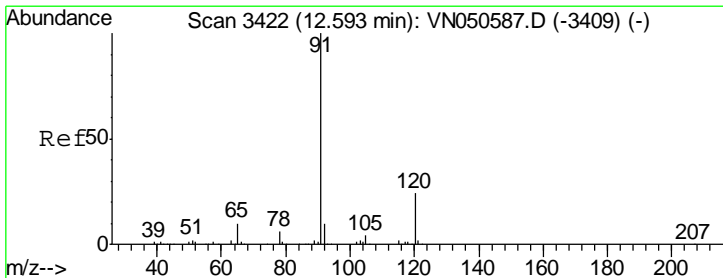
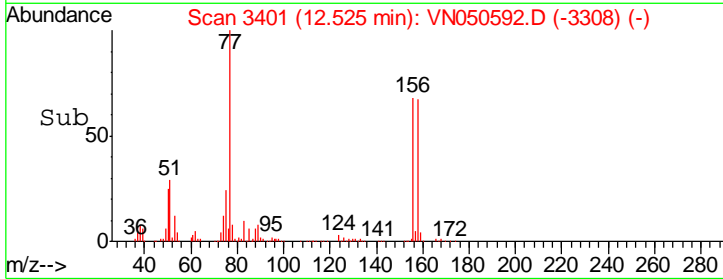
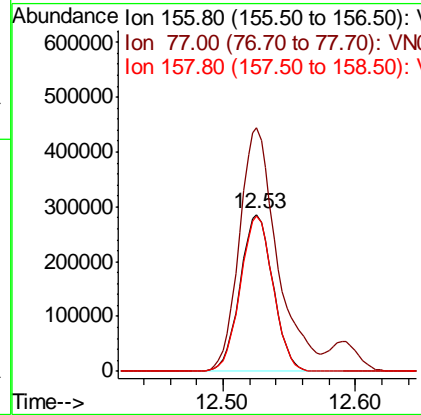
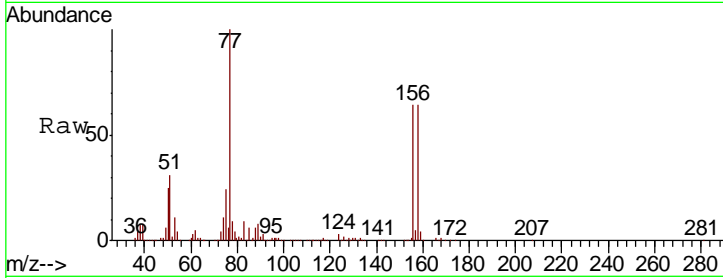


#77
 Bromobenzene
 Concen: 46.71 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

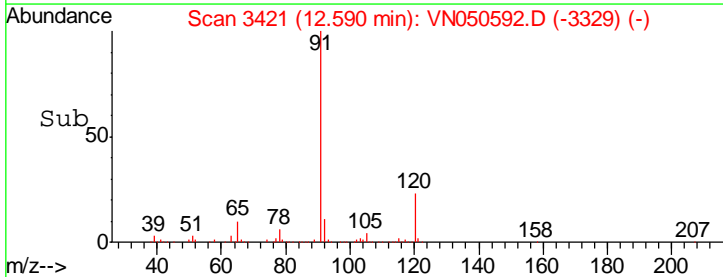
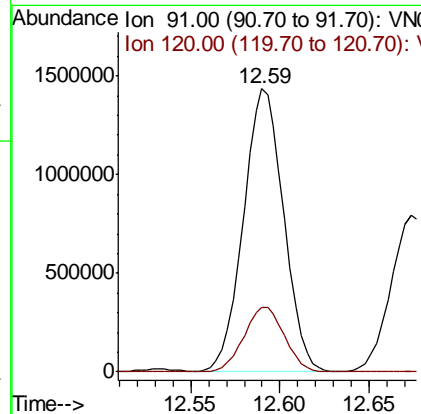
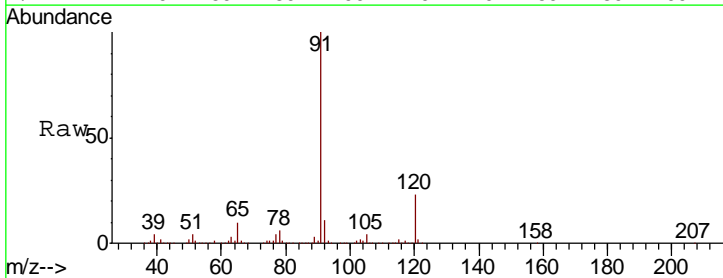
Tgt Ion	Resp	Lower	Upper
156	490862		
77	179.4	89.0	267.1
158	98.8	48.5	145.6

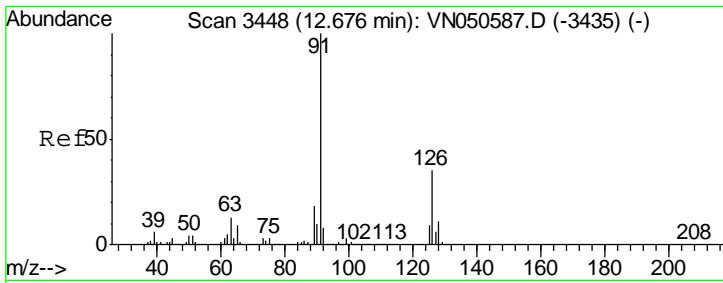
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#78
 n-propylbenzene
 Concen: 52.15 ug/l
 RT: 12.59 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
91	2250756		
120	23.2	11.8	35.4





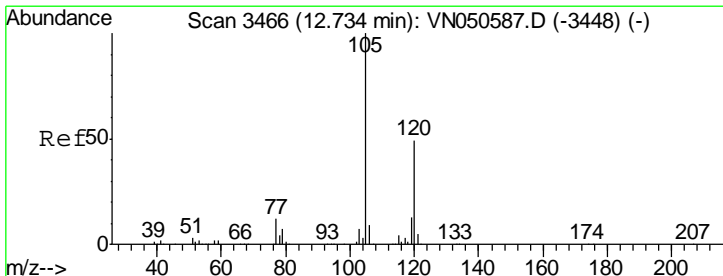
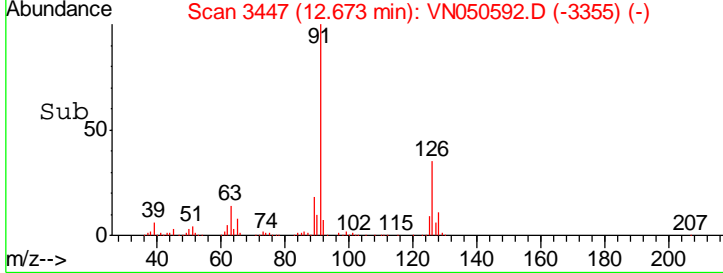
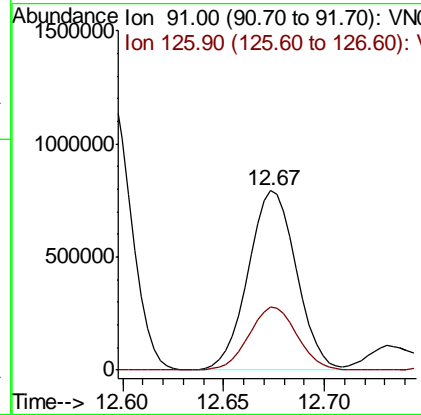
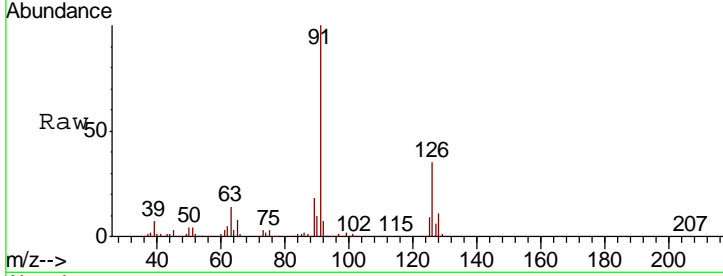
#79
 2-Chlorotoluene
 Concen: 49.16 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion: 91 Resp: 1322775

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8

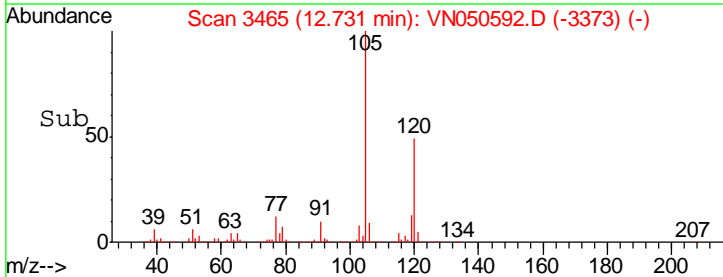
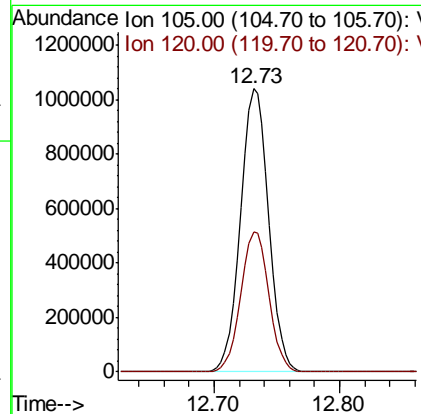
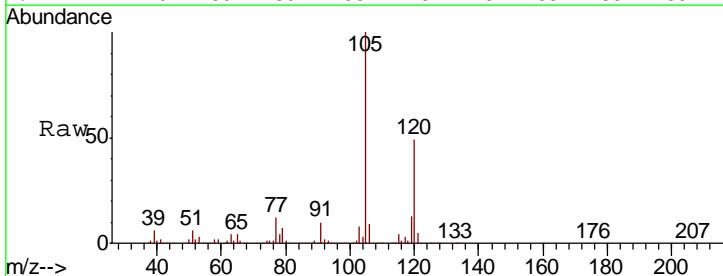
Manual Integrations
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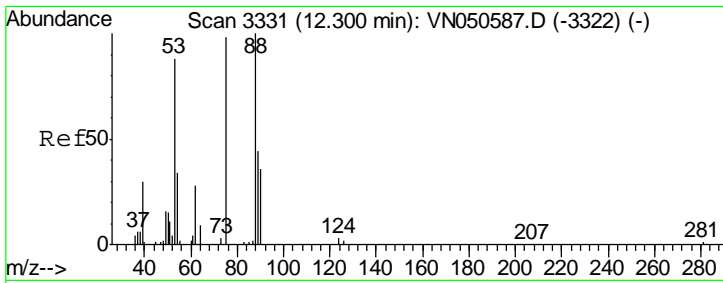


#80
 1,3,5-Trimethylbenzene
 Concen: 52.09 ug/l
 RT: 12.73 min Scan# 3465
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 105 Resp: 1614356

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.7	74.1



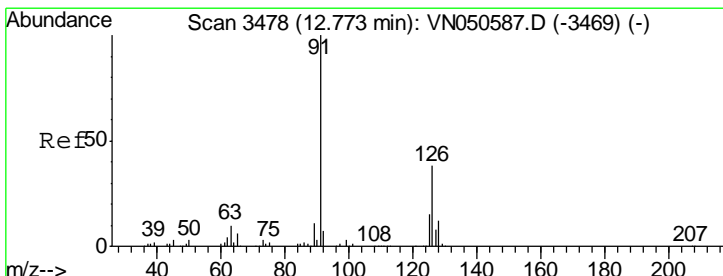
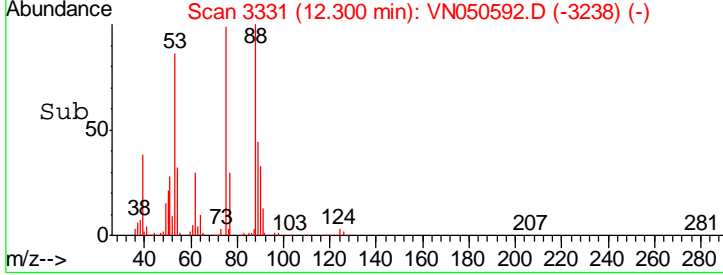
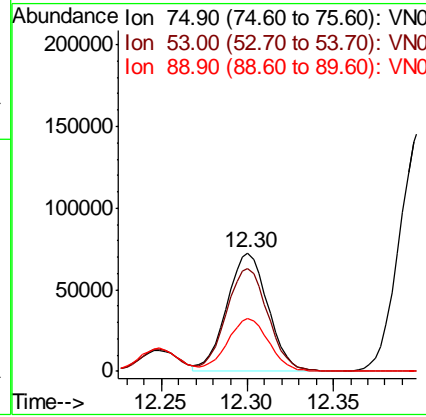
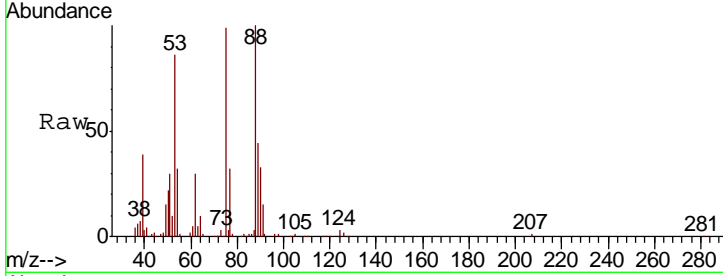


#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.50 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

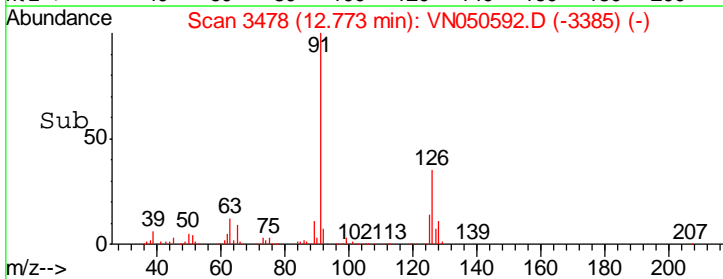
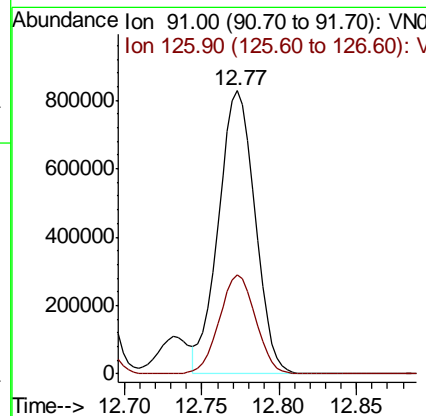
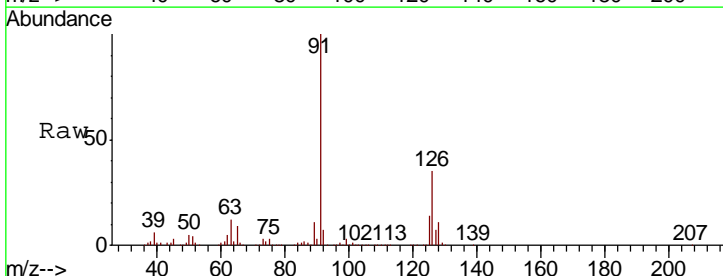
Tgt Ion	Resp	Lower	Upper
75	100		
53	88.4	72.2	108.2
89	44.9	36.3	54.5

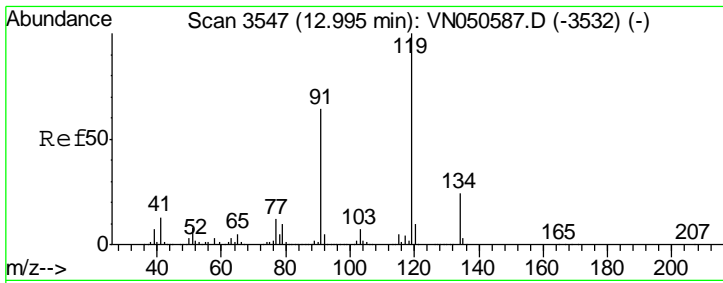
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#82
 4-Chlorotoluene
 Concen: 51.02 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.7	17.3	52.0





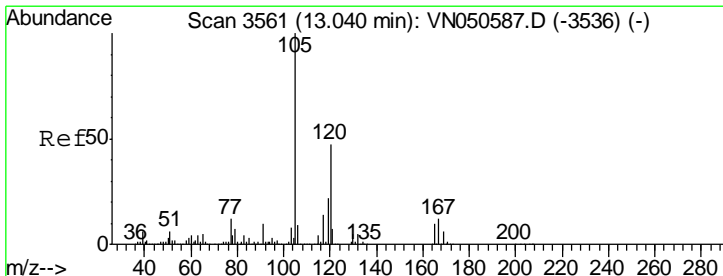
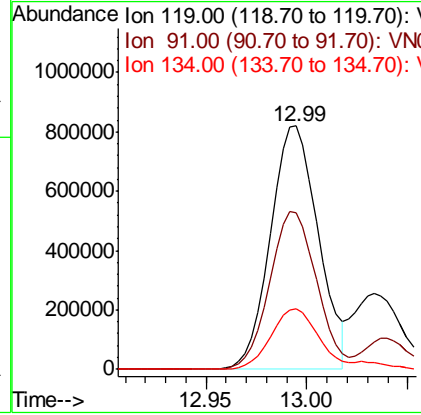
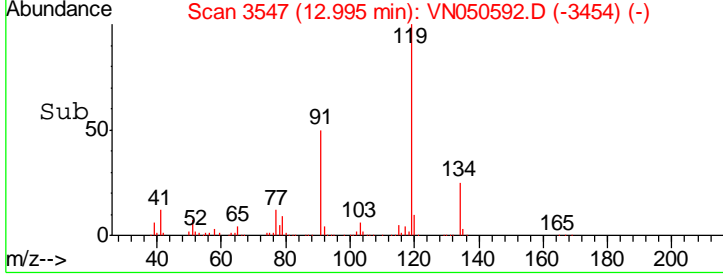
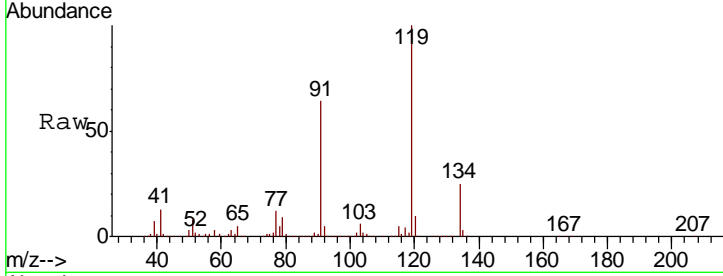
#83
 tert-Butylbenzene
 Concen: 50.24 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion:119 Resp: 1351490

Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.2	96.6
134	24.9	13.4	40.2

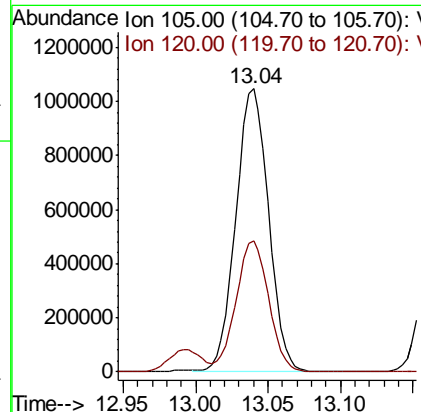
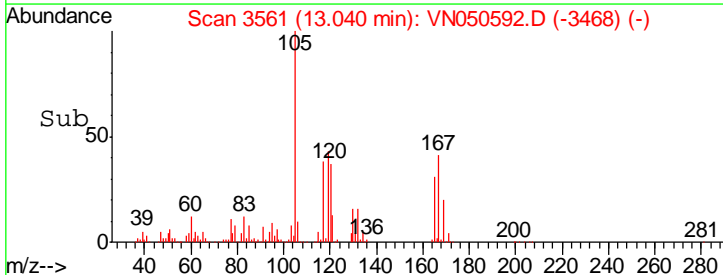
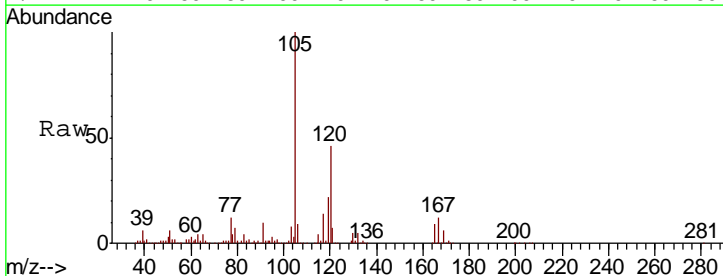
Manual Integrations
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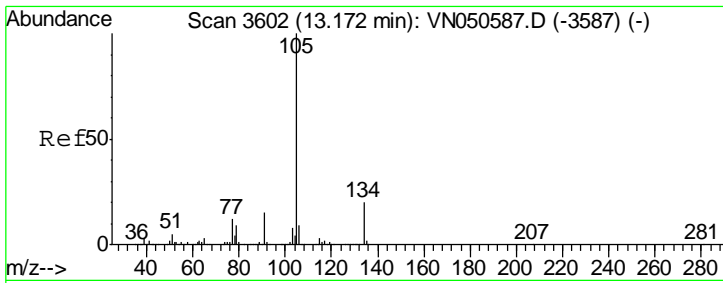


#84
 1,2,4-Trimethylbenzene
 Concen: 52.79 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion:105 Resp: 1642122

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.5



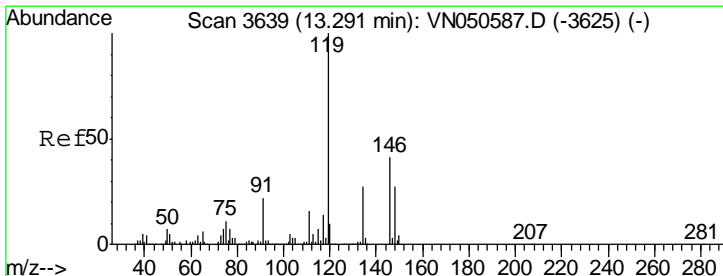
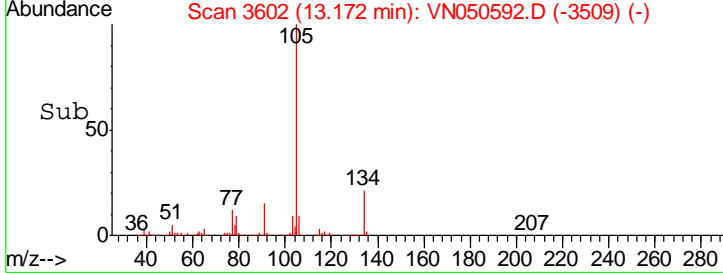
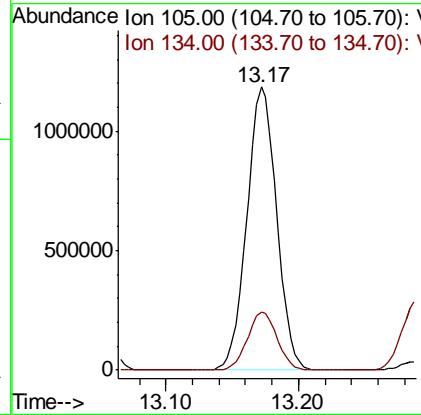
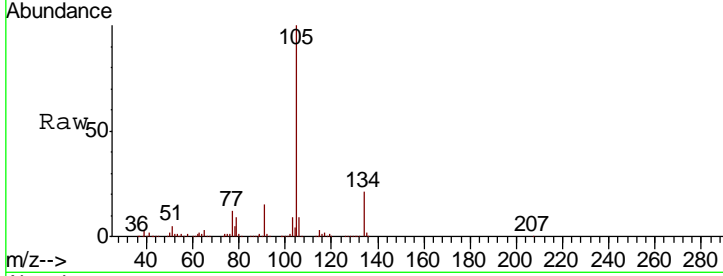


#85
 sec-Butylbenzene
 Concen: 52.29 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

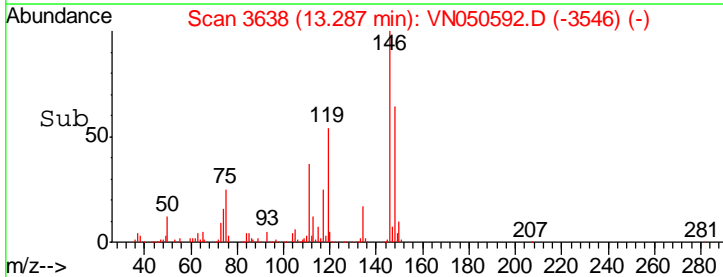
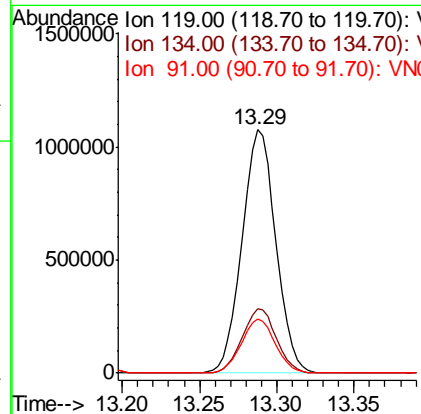
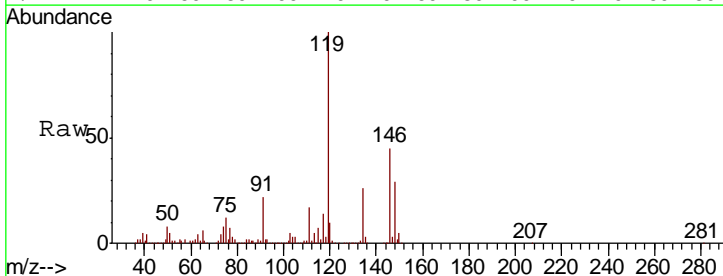
Tgt Ion	Resp	Lower	Upper
105	1838135		
134	20.5	10.1	30.3

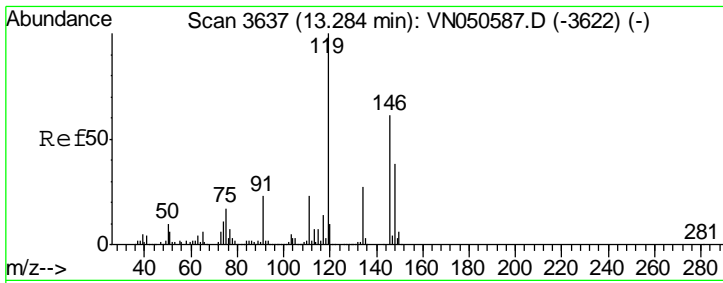
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 54.59 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
119	1626305		
134	26.8	13.5	40.4
91	22.4	11.2	33.6



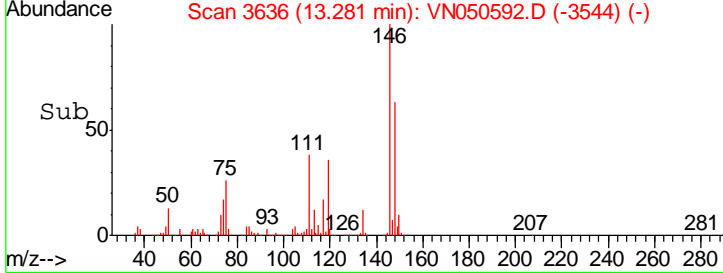
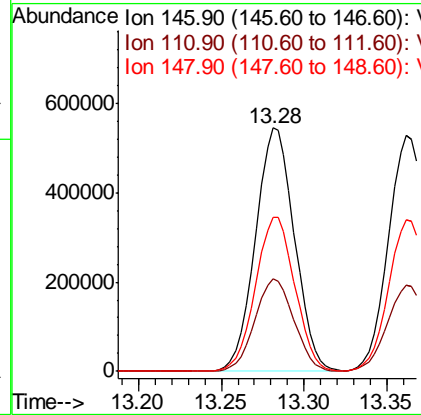
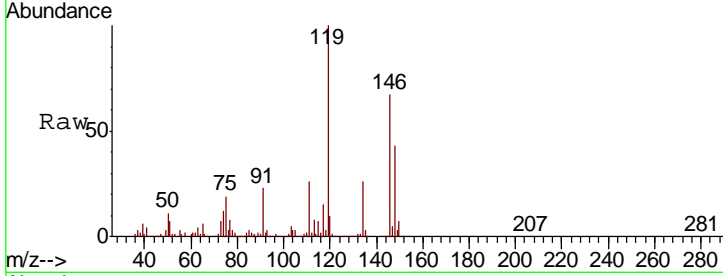


#87
 1,3-Dichlorobenzene
 Concen: 49.69 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

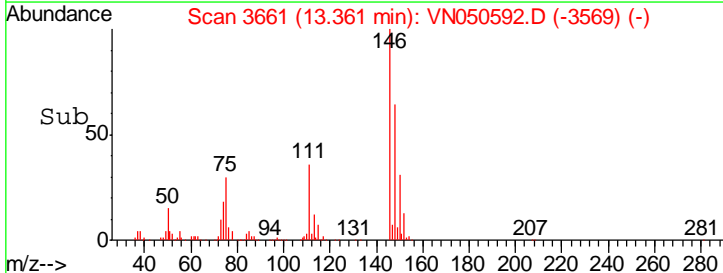
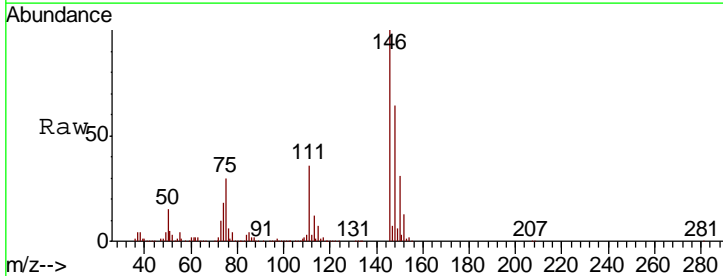
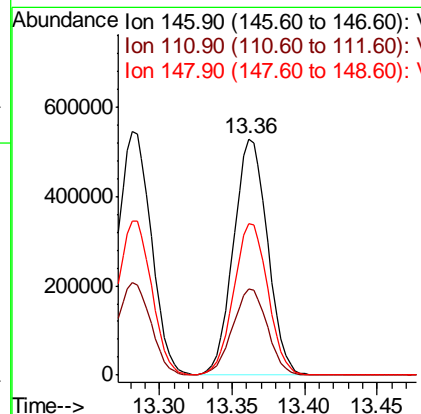
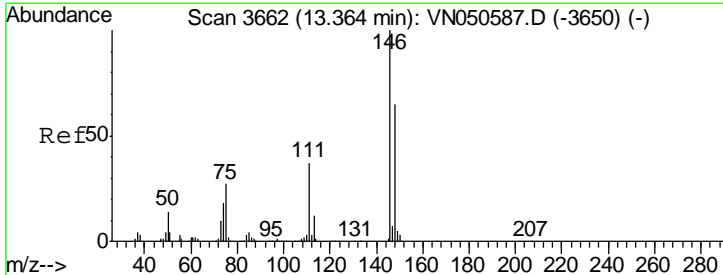
Tgt Ion	Resp	Lower	Upper
146	888927		
146	100		
111	38.0	19.2	57.6
148	64.0	31.9	95.7

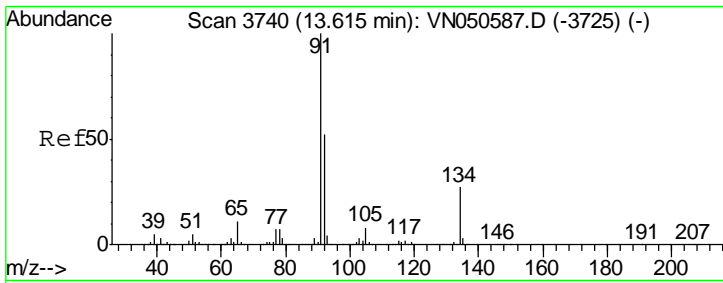
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 48.57 ug/l
 RT: 13.36 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
146	862497		
146	100		
111	37.2	18.8	56.4
148	64.4	32.3	96.8



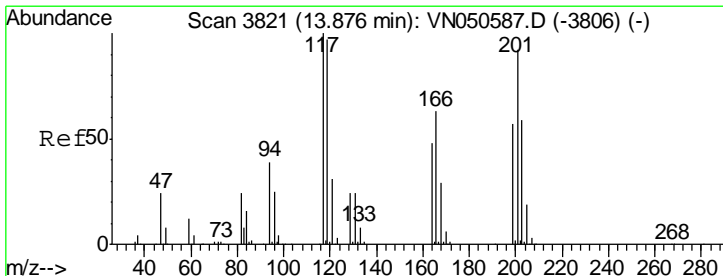
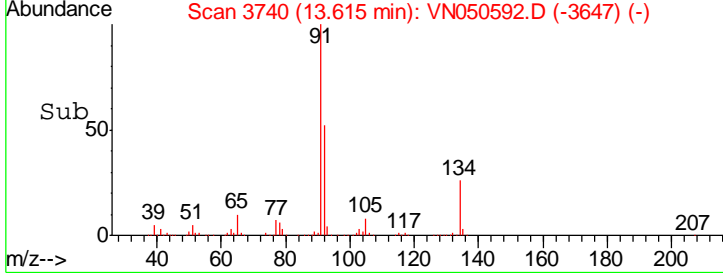
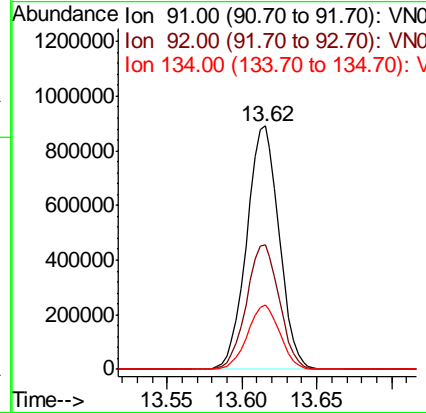
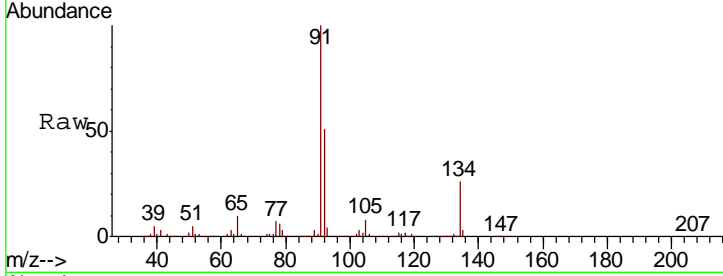


#89
 n-Butylbenzene
 Concen: 55.81 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

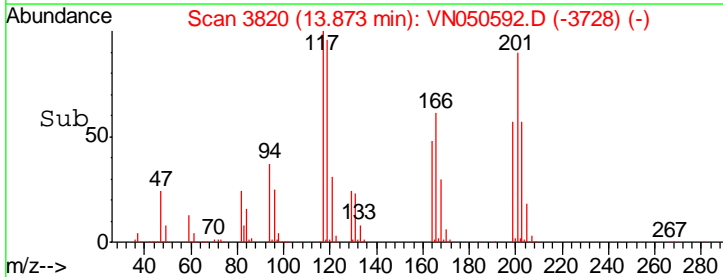
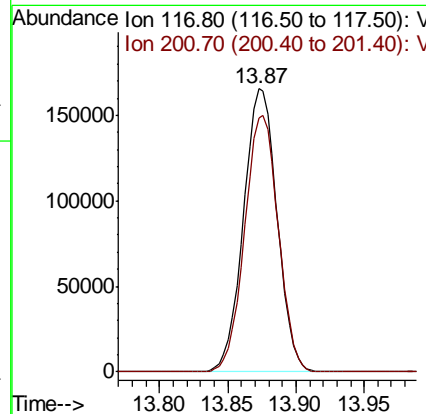
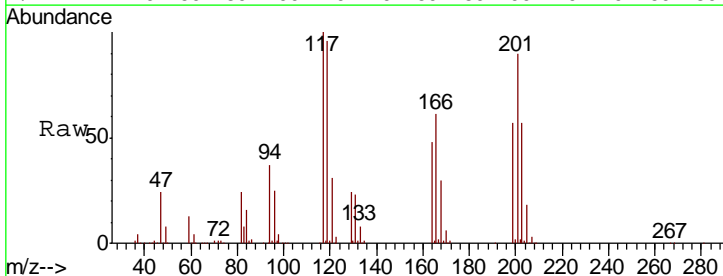
Tgt Ion	Resp	Lower	Upper
91	100		
92	51.8	26.3	78.8
134	26.4	13.3	39.9

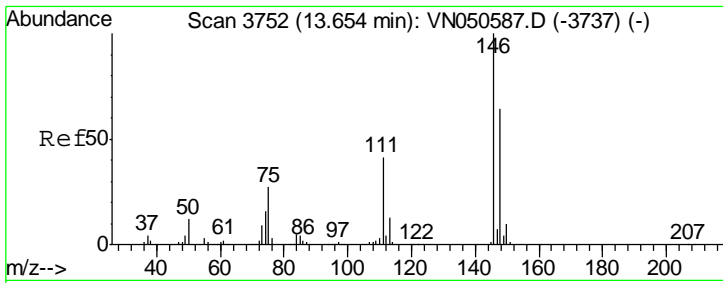
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#90
 Hexachloroethane
 Concen: 47.26 ug/l
 RT: 13.87 min Scan# 3820
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
117	100		
201	90.7	45.5	136.5



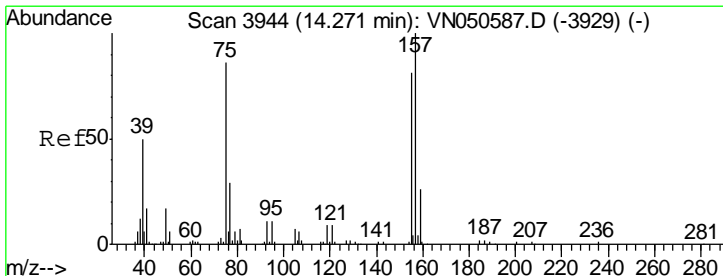
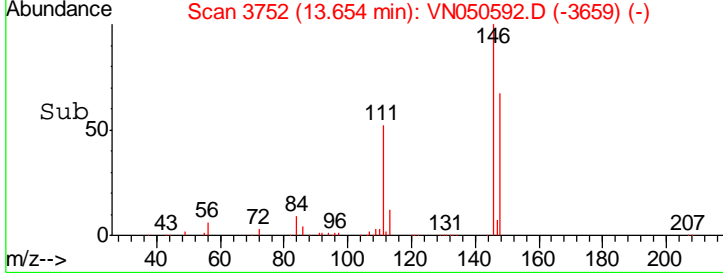
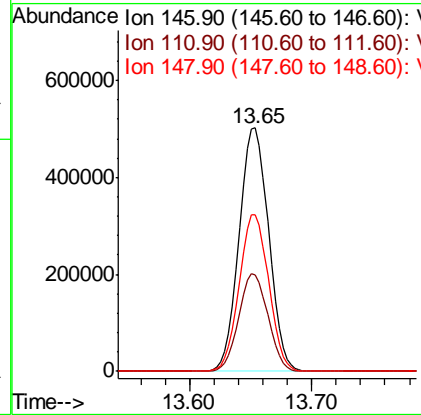
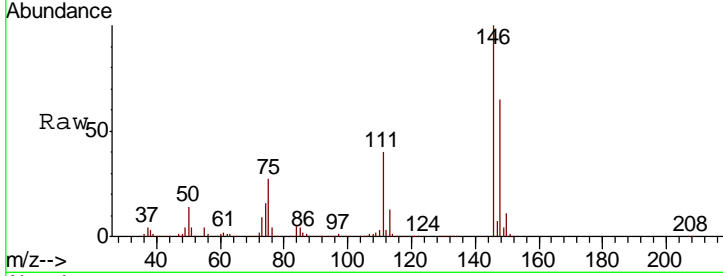


#91
 1,2-Dichlorobenzene
 Concen: 48.29 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

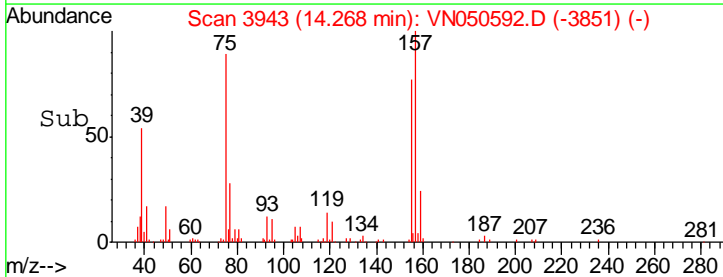
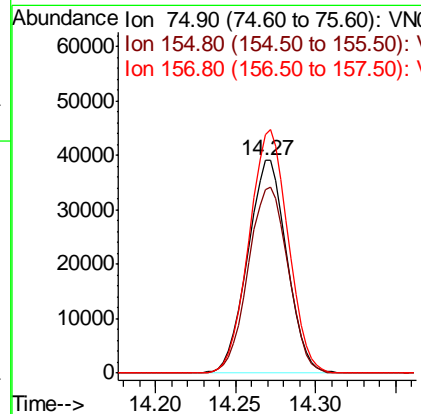
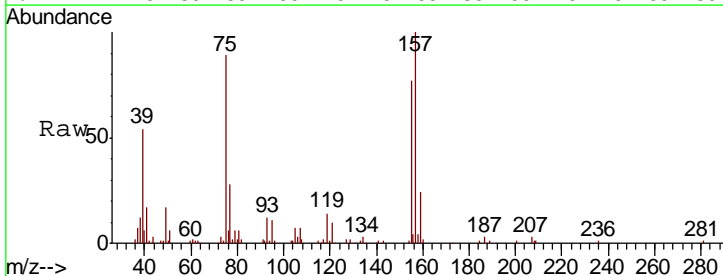
Tgt Ion	Resp	Lower	Upper
146	842880		
111	39.6	19.8	59.4
148	64.1	32.3	96.8

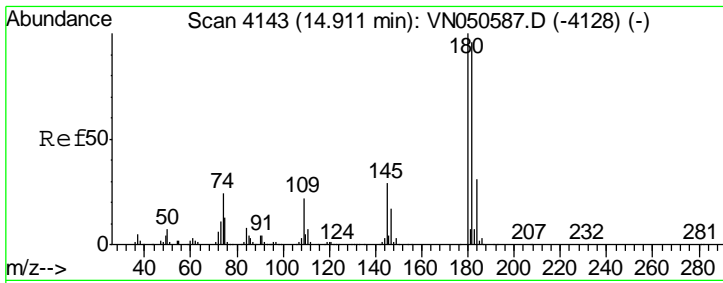
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.38 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
75	65434		
155	88.9	46.6	139.8
157	114.0	58.1	174.2



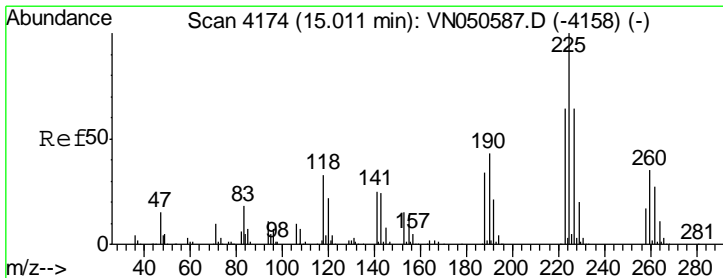
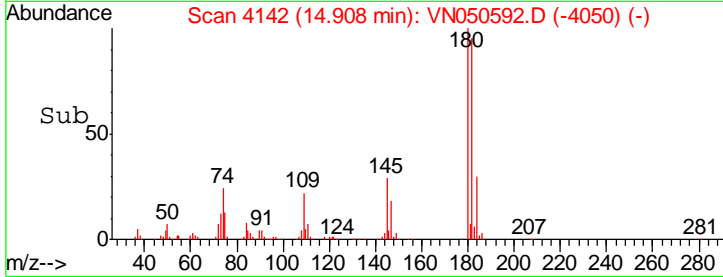
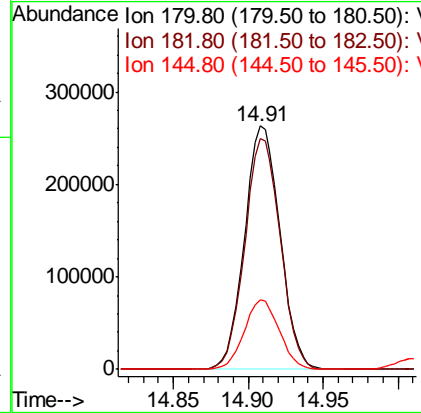
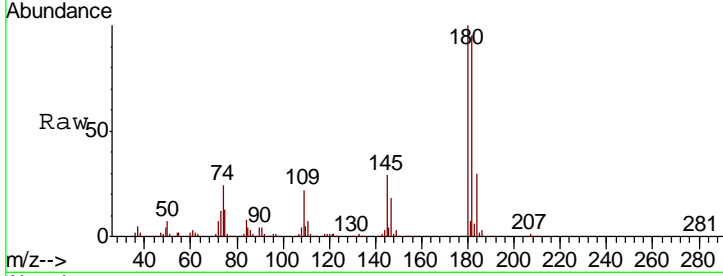


#93
 1,2,4-Trichlorobenzene
 Concen: 48.52 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

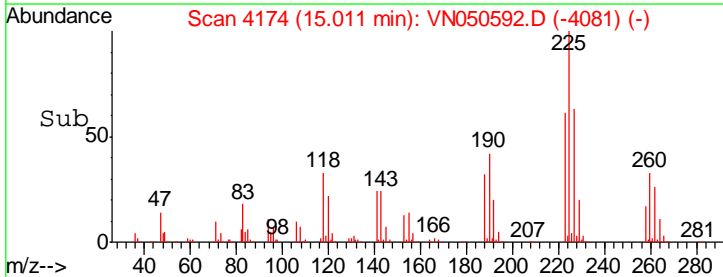
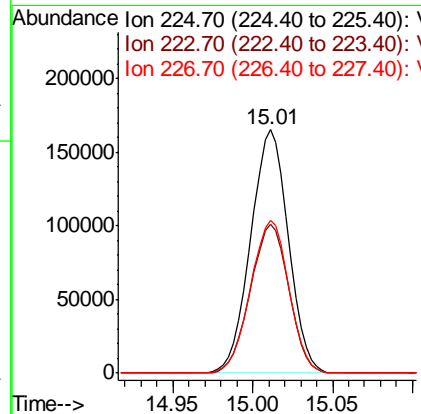
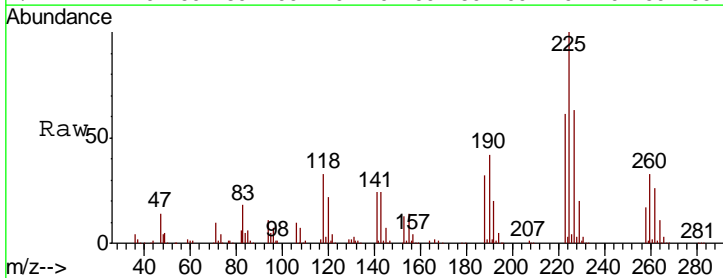
Tgt Ion	Resp	Lower	Upper
180	433853		
182	94.9	47.9	143.7
145	28.2	14.4	43.4

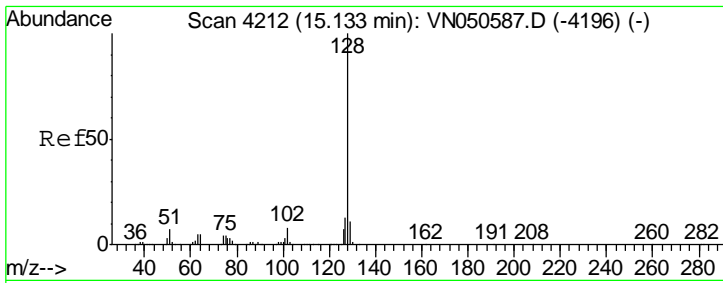
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 49.75 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
225	266235		
223	62.4	32.1	96.3
227	63.9	32.0	96.2





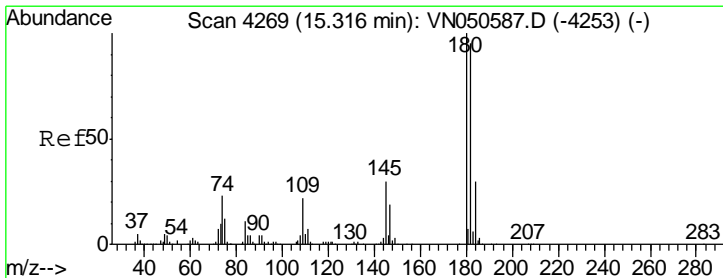
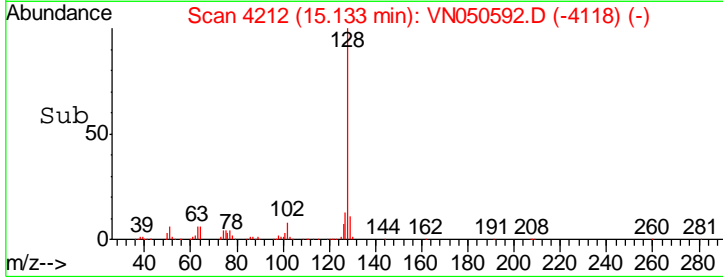
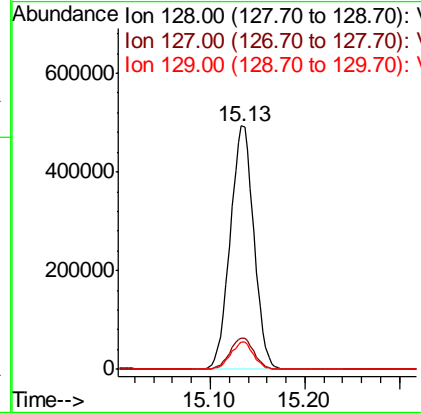
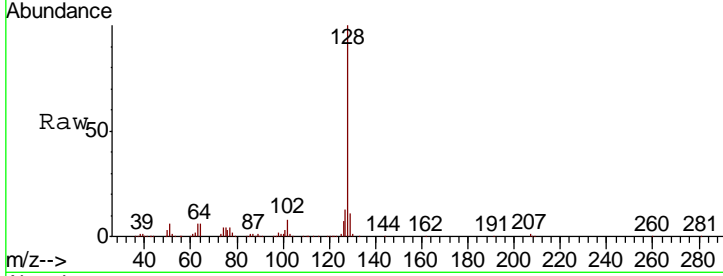
#95
 Naphthalene
 Concen: 45.33 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.8	8.5	12.7

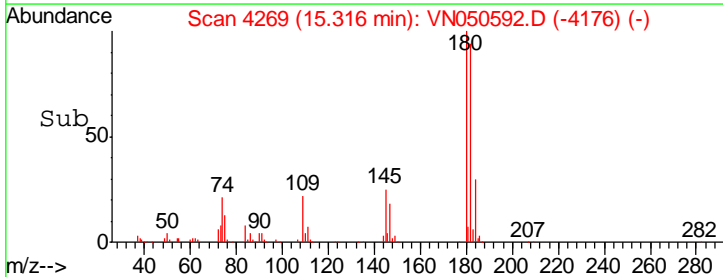
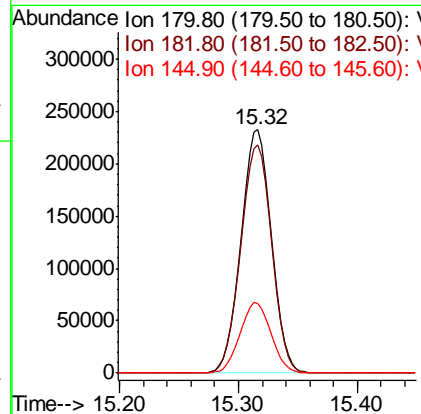
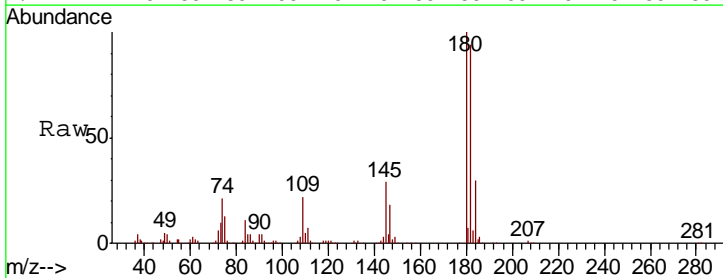
Manual Integrations
 APPROVED

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 8/15/2018 3:31:20 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 49.34 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.1	47.3	141.8
145	29.5	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	107	0.00
2 T	Dichlorodifluoromethane	0.564	0.509	9.8	100	0.00
3 P	Chloromethane	0.769	0.654	15.0	104	0.00
4 C	Vinyl Chloride	0.749	0.666	11.1#	101	0.00
5 T	Bromomethane	0.484	0.360	25.6#	94	0.00
6 T	Chloroethane	0.470	0.401	14.7	102	0.00
7 T	Trichlorofluoromethane	0.983	0.856	12.9	101	0.00
8 T	Diethyl Ether	0.327	0.290	11.3	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.594	0.541	8.9	104	0.00
10 T	Methyl Iodide	0.384	0.422	-9.9	124	0.00
11 T	Tert butyl alcohol	0.034	0.031	8.8	101	0.00
12 CM	1,1-Dichloroethene	0.543	0.486	10.5#	101	0.00
13 T	Acrolein	0.014	0.011	21.4#	96	0.00
14 T	Allyl chloride	0.844	0.779	7.7	103	0.00
15 T	Acrylonitrile	0.189	0.172	9.0	99	0.00
16 T	Acetone	0.174	0.154	11.5	107	0.00
17 T	Carbon Disulfide	1.707	1.529	10.4	102	0.00
18 T	Methyl Acetate	0.591	0.405	31.5#	101	0.00
19 T	Methyl tert-butyl Ether	1.381	1.301	5.8	101	0.00
20 T	Methylene Chloride	0.685	0.565	17.5	100	0.00
21 T	trans-1,2-Dichloroethene	0.588	0.540	8.2	102	0.00
22 T	Diisopropyl ether	1.730	1.664	3.8	100	0.00
23 T	Vinyl Acetate	1.132	1.111	1.9	101	0.00
24 P	1,1-Dichloroethane	1.120	0.980	12.5	100	0.00
25 T	2-Butanone	0.258	0.251	2.7	106	0.00
26 T	2,2-Dichloropropane	0.749	0.822	-9.7	128	0.00
27 T	cis-1,2-Dichloroethene	0.655	0.595	9.2	101	0.00
28 T	Bromochloromethane	0.510	0.471	7.6	102	0.00
29 T	Tetrahydrofuran	0.135	0.126	6.7	99	0.00
30 C	Chloroform	1.135	0.999	12.0#	102	0.00
31 T	Cyclohexane	1.095	0.907	17.2	102	0.00
32 T	1,1,1-Trichloroethane	0.955	0.848	11.2	100	0.00
33 S	1,2-Dichloroethane-d4	0.630	0.595	5.6	103	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35 S	Dibromofluoromethane	0.399	0.403	-1.0	103	0.00
36 T	1,1-Dichloropropene	0.557	0.562	-0.9	102	0.00
37 T	Ethyl Acetate	0.315	0.318	-1.0	101	0.00
38 T	Carbon Tetrachloride	0.577	0.551	4.5	102	0.00
39 T	Methylcyclohexane	0.576	0.627	-8.9	105	0.00
40 TM	Benzene	1.693	1.672	1.2	101	0.00
41 T	Methacrylonitrile	0.170	0.173	-1.8	98	0.00
42 TM	1,2-Dichloroethane	0.519	0.500	3.7	101	0.00
43 T	Isopropyl Acetate	0.573	0.561	2.1	100	0.00
44 TM	Trichloroethene	0.454	0.437	3.7	101	0.00
45 C	1,2-Dichloropropane	0.451	0.441	2.2#	102	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.266	0.253	4.9	102	0.00
47 T	Bromodichloromethane	0.569	0.551	3.2	102	0.00
48 T	Methyl methacrylate	0.289	0.283	2.1	101	0.00
49 T	1,4-Dioxane	0.004	0.004	0.0	106	0.00
50 S	Toluene-d8	1.502	1.539	-2.5	104	0.00
51 T	4-Methyl-2-Pentanone	0.388	0.397	-2.3	101	0.00
52 CM	Toluene	1.011	1.052	-4.1#	103	0.00
53 T	t-1,3-Dichloropropene	0.530	0.559	-5.5	106	0.00
54 T	cis-1,3-Dichloropropene	0.608	0.658	-8.2	107	0.00
55 T	1,1,2-Trichloroethane	0.378	0.365	3.4	101	0.00
56 T	Ethyl methacrylate	0.427	0.461	-8.0	102	0.00
57 T	1,3-Dichloropropane	0.619	0.615	0.6	102	0.00
58 T	2-Chloroethyl Vinyl ether	0.200	0.222	-11.0	102	0.00
59 T	2-Hexanone	0.250	0.275	-10.0	106	0.00
60 T	Dibromochloromethane	0.417	0.419	-0.5	102	0.00
61 T	1,2-Dibromoethane	0.360	0.360	0.0	101	0.00
62 S	4-Bromofluorobenzene	0.496	0.524	-5.6	106	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.464	0.436	6.0	99	0.00
65 PM	Chlorobenzene	1.244	1.212	2.6	103	0.00
66 T	1,1,1,2-Tetrachloroethane	0.466	0.438	6.0	101	0.00
67 C	Ethyl Benzene	2.009	2.089	-4.0#	103	0.00
68 T	m/p-Xylenes	0.768	0.817	-6.4	104	0.00
69 T	o-Xylene	0.733	0.770	-5.0	103	0.00
70 T	Styrene	1.177	1.289	-9.5	105	0.00
71 P	Bromoform	0.309	0.309	0.0	105	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
73 T	Isopropylbenzene	3.907	3.900	0.2	104	0.00
74 T	N-amyl acetate	1.016	1.003	1.3	104	0.00
75 P	1,1,2,2-Tetrachloroethane	1.068	0.912	14.6	104	0.00
76 T	1,2,3-Trichloropropane	0.899	0.733	18.5	101	0.00
77 T	Bromobenzene	1.061	0.991	6.6	103	0.00
78 T	n-propylbenzene	4.356	4.543	-4.3	106	0.00
79 T	2-Chlorotoluene	2.716	2.670	1.7	104	0.00
80 T	1,3,5-Trimethylbenzene	3.128	3.259	-4.2	105	0.00
81 T	trans-1,4-Dichloro-2-butene	0.225	0.245	-8.9	118	0.00
82 T	4-Chlorotoluene	2.684	2.739	-2.0	105	0.00
83 T	tert-Butylbenzene	2.715	2.728	-0.5	106	0.00
84 T	1,2,4-Trimethylbenzene	3.139	3.315	-5.6	105	0.00
85 T	sec-Butylbenzene	3.548	3.710	-4.6	107	0.00
86 T	p-Isopropyltoluene	3.006	3.283	-9.2	108	0.00
87 T	1,3-Dichlorobenzene	1.806	1.794	0.7	107	0.00
88 T	1,4-Dichlorobenzene	1.792	1.741	2.8	107	0.00
89 T	n-Butylbenzene	2.428	2.710	-11.6	112	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.605	0.571	5.6	110	0.00
91 T	1,2-Dichlorobenzene	1.762	1.701	3.5	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.139	0.132	5.0	105	0.00
93 T	1,2,4-Trichlorobenzene	0.767	0.876	-14.2	109	0.00
94 T	Hexachlorobutadiene	0.540	0.537	0.6	115	0.00
95 T	Naphthalene	1.531	1.729	-12.9	104	0.00
96 T	1,2,3-Trichlorobenzene	0.745	0.833	-11.8	108	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	107	0.00
2 T	Dichlorodifluoromethane	50.000	45.154	9.7	100	0.00
3 P	Chloromethane	50.000	47.565	4.9	104	0.00
4 C	Vinyl Chloride	50.000	44.454	11.1#	101	0.00
5 T	Bromomethane	50.000	44.505	11.0	94	0.00
6 T	Chloroethane	50.000	48.184	3.6	102	0.00
7 T	Trichlorofluoromethane	50.000	43.585	12.8	101	0.00
8 T	Diethyl Ether	50.000	44.420	11.2	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	45.516	9.0	104	0.00
10 T	Methyl Iodide	50.000	49.980	0.0	124	0.00
11 T	Tert butyl alcohol	250.000	227.283	9.1	101	0.00
12 CM	1,1-Dichloroethene	50.000	44.796	10.4#	101	0.00
13 T	Acrolein	250.000	211.995	15.2	96	0.00
14 T	Allyl chloride	50.000	46.176	7.6	103	0.00
15 T	Acrylonitrile	250.000	228.030	8.8	99	0.00
16 T	Acetone	250.000	244.607	2.2	107	0.00
17 T	Carbon Disulfide	50.000	44.789	10.4	102	0.00
18 T	Methyl Acetate	50.000	45.641	8.7	101	0.00
19 T	Methyl tert-butyl Ether	50.000	47.094	5.8	101	0.00
20 T	Methylene Chloride	50.000	47.120	5.8	100	0.00
21 T	trans-1,2-Dichloroethene	50.000	45.870	8.3	102	0.00
22 T	Diisopropyl ether	50.000	48.088	3.8	100	0.00
23 T	Vinyl Acetate	250.000	245.502	1.8	101	0.00
24 P	1,1-Dichloroethane	50.000	43.777	12.4	100	0.00
25 T	2-Butanone	250.000	242.390	3.0	106	0.00
26 T	2,2-Dichloropropane	50.000	54.833	-9.7	128	0.00
27 T	cis-1,2-Dichloroethene	50.000	45.387	9.2	101	0.00
28 T	Bromochloromethane	50.000	46.188	7.6	102	0.00
29 T	Tetrahydrofuran	250.000	233.673	6.5	99	0.00
30 C	Chloroform	50.000	44.023	12.0#	102	0.00
31 T	Cyclohexane	50.000	47.428	5.1	102	0.00
32 T	1,1,1-Trichloroethane	50.000	44.401	11.2	100	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.241	5.5	103	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35 S	Dibromofluoromethane	50.000	50.499	-1.0	103	0.00
36 T	1,1-Dichloropropene	50.000	50.489	-1.0	102	0.00
37 T	Ethyl Acetate	50.000	50.606	-1.2	101	0.00
38 T	Carbon Tetrachloride	50.000	47.715	4.6	102	0.00
39 T	Methylcyclohexane	50.000	54.377	-8.8	105	0.00
40 TM	Benzene	50.000	49.382	1.2	101	0.00
41 T	Methacrylonitrile	50.000	50.860	-1.7	98	0.00
42 TM	1,2-Dichloroethane	50.000	48.196	3.6	101	0.00
43 T	Isopropyl Acetate	50.000	48.879	2.2	100	0.00
44 TM	Trichloroethene	50.000	48.145	3.7	101	0.00
45 C	1,2-Dichloropropane	50.000	48.866	2.3#	102	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	47.540	4.9	102	0.00
47 T	Bromodichloromethane	50.000	48.467	3.1	102	0.00
48 T	Methyl methacrylate	50.000	48.986	2.0	101	0.00
49 T	1,4-Dioxane	1000.000	1041.751	-4.2	106	0.00
50 S	Toluene-d8	50.000	51.219	-2.4	104	0.00
51 T	4-Methyl-2-Pentanone	250.000	256.111	-2.4	101	0.00
52 CM	Toluene	50.000	52.049	-4.1#	103	0.00
53 T	t-1,3-Dichloropropene	50.000	52.712	-5.4	106	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.120	-8.2	107	0.00
55 T	1,1,2-Trichloroethane	50.000	48.305	3.4	101	0.00
56 T	Ethyl methacrylate	50.000	47.889	4.2	102	0.00
57 T	1,3-Dichloropropane	50.000	49.673	0.7	102	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	240.887	3.6	102	0.00
59 T	2-Hexanone	250.000	274.551	-9.8	106	0.00
60 T	Dibromochloromethane	50.000	50.215	-0.4	102	0.00
61 T	1,2-Dibromoethane	50.000	50.028	-0.1	101	0.00
62 S	4-Bromofluorobenzene	50.000	52.754	-5.5	106	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	46.901	6.2	99	0.00
65 PM	Chlorobenzene	50.000	48.692	2.6	103	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	46.921	6.2	101	0.00
67 C	Ethyl Benzene	50.000	51.994	-4.0#	103	0.00
68 T	m/p-Xylenes	100.000	106.301	-6.3	104	0.00
69 T	o-Xylene	50.000	52.569	-5.1	103	0.00
70 T	Styrene	50.000	49.467	1.1	105	0.00
71 P	Bromoform	50.000	49.883	0.2	105	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	106	0.00
73 T	Isopropylbenzene	50.000	49.918	0.2	104	0.00
74 T	N-amyl acetate	50.000	49.327	1.3	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.306	-0.6	104	0.00
76 T	1,2,3-Trichloropropane	50.000	45.255	9.5	101	0.00
77 T	Bromobenzene	50.000	46.709	6.6	103	0.00
78 T	n-propylbenzene	50.000	52.146	-4.3	106	0.00
79 T	2-Chlorotoluene	50.000	49.155	1.7	104	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.090	-4.2	105	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	54.499	-9.0	118	0.00
82 T	4-Chlorotoluene	50.000	51.024	-2.0	105	0.00
83 T	tert-Butylbenzene	50.000	50.237	-0.5	106	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.791	-5.6	105	0.00
85 T	sec-Butylbenzene	50.000	52.285	-4.6	107	0.00
86 T	p-Isopropyltoluene	50.000	54.594	-9.2	108	0.00
87 T	1,3-Dichlorobenzene	50.000	49.688	0.6	107	0.00
88 T	1,4-Dichlorobenzene	50.000	48.574	2.9	107	0.00
89 T	n-Butylbenzene	50.000	55.806	-11.6	112	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	47.258	5.5	110	0.00
91 T	1,2-Dichlorobenzene	50.000	48.291	3.4	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.379	5.2	105	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.519	3.0	109	0.00
94 T	Hexachlorobutadiene	50.000	49.751	0.5	115	0.00
95 T	Naphthalene	50.000	45.329	9.3	104	0.00
96 T	1,2,3-Trichlorobenzene	50.000	49.340	1.3	108	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG No.: J4465
 Instrument ID: MSVOA_N Calibration Date/Time: 08/14/2018 21:46
 Lab File ID: VN050617.D Init. Calib. Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.564	0.527		-6.56	20
Chloromethane	0.769	0.676	0.1	-12.09	20
Vinyl Chloride	0.749	0.698		-6.81	20
Bromomethane	0.484	0.397		-17.98	20
Chloroethane	0.470	0.423		-10	20
Trichlorofluoromethane	0.983	0.902		-8.24	20
1,1,2-Trichlorotrifluoroethane	0.594	0.562		-5.39	20
1,1-Dichloroethene	0.543	0.511		-5.89	20
Acetone	0.174	0.162		-6.9	20
Carbon Disulfide	1.707	1.607		-5.86	20
Methyl tert-butyl Ether	1.381	1.412		2.24	20
Methyl Acetate	0.591	0.454		-23.18	20
Methylene Chloride	0.685	0.610		-10.95	20
trans-1,2-Dichloroethene	0.588	0.570		-3.06	20
1,1-Dichloroethane	1.120	1.054	0.1	-5.89	20
Cyclohexane	1.095	0.939		-14.25	20
2-Butanone	0.258	0.266		3.1	20
Carbon Tetrachloride	0.577	0.570		-1.21	20
cis-1,2-Dichloroethene	0.655	0.629		-3.97	20
Bromochloromethane	0.510	0.510		0	20
Chloroform	1.135	1.079		-4.93	20
1,1,1-Trichloroethane	0.955	0.908		-4.92	20
Methylcyclohexane	0.576	0.608		5.56	20
Benzene	1.693	1.720		1.6	20
1,2-Dichloroethane	0.519	0.520		0.19	20
Trichloroethene	0.454	0.444		-2.2	20
1,2-Dichloropropane	0.451	0.455		0.89	20
Bromodichloromethane	0.569	0.571		0.35	20
4-Methyl-2-Pentanone	0.388	0.426		9.79	20
Toluene	1.011	1.067		5.54	20
t-1,3-Dichloropropene	0.530	0.561		5.85	20
cis-1,3-Dichloropropene	0.608	0.655		7.73	20
1,1,2-Trichloroethane	0.378	0.383		1.32	20
2-Hexanone	0.250	0.279		11.6	20
Dibromochloromethane	0.417	0.437		4.8	20
1,2-Dibromoethane	0.360	0.381		5.83	20
Tetrachloroethene	0.464	0.455		-1.94	20
Chlorobenzene	1.244	1.253	0.3	0.72	20
Ethyl Benzene	2.009	2.168		7.91	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG No.: J4465
 Instrument ID: MSVOA_N Calibration Date/Time: 08/14/2018 21:46
 Lab File ID: VN050617.D Init. Calib. Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.768	0.833		8.46	20
o-Xylene	0.733	0.789		7.64	20
Styrene	1.177	1.315		11.73	20
Bromoform	0.309	0.323	0.1	4.53	20
Isopropylbenzene	3.907	3.990		2.12	20
1,1,2,2-Tetrachloroethane	1.068	0.982	0.3	-8.05	20
1,3-Dichlorobenzene	1.806	1.783		-1.27	20
1,4-Dichlorobenzene	1.792	1.734		-3.24	20
1,2-Dichlorobenzene	1.762	1.732		-1.7	20
1,2-Dibromo-3-Chloropropane	0.139	0.138		-0.72	20
1,2,4-Trichlorobenzene	0.767	0.843		9.91	20
1,2,3-Trichlorobenzene	0.745	0.819		9.93	20
1,2-Dichloroethane-d4	0.630	0.623		-1.11	20
Dibromofluoromethane	0.399	0.406		1.75	20
Toluene-d8	1.502	1.526		1.6	20
4-Bromofluorobenzene	0.496	0.500		0.81	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050617.D
 Acq On : 14 Aug 2018 21:46
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:16 PM

Quant Time: Aug 15 13:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	654695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	943220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	868131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	453577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	407922	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
35) Dibromofluoromethane	7.59	113	382627	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.09	98	1439497	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.40	95	471405	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	344858	46.72	ug/l	98
3) Chloromethane	2.06	50	442677	49.21	ug/l	100
4) Vinyl Chloride	2.18	62	457194	46.63	ug/l	99
5) Bromomethane	2.56	94	259746	49.26	ug/l	97
6) Chloroethane	2.70	64	276610	50.79	ug/l	98
7) Trichlorofluoromethane	3.01	101	590221	45.88	ug/l	99
8) Diethyl Ether	3.41	74	207318	48.44	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	367747	47.27	ug/l	100
10) Methyl Iodide	3.95	142	262101	47.76	ug/l	99
11) Tert butyl alcohol	4.80	59	113160	251.13	ug/l	99
12) 1,1-Dichloroethene	3.73	96	334321	47.06	ug/l	98
13) Acrolein	3.61	56	37479	216.98	ug/l	95
14) Allyl chloride	4.32	41	528042	47.79	ug/l	99
15) Acrylonitrile	4.99	53	621510	251.13	ug/l	100
16) Acetone	3.82	43	531072	257.78	ug/l	99
17) Carbon Disulfide	4.05	76	1052025	47.06	ug/l	100
18) Methyl Acetate	4.33	43	297436	51.34	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	924185	51.12	ug/l	100
20) Methylene Chloride	4.55	84	399600	50.97	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	373272	48.47	ug/l	98
22) Diisopropyl ether	5.96	45	1171610	51.71	ug/l	99
23) Vinyl Acetate	5.90	43	3914618	264.14	ug/l	100
24) 1,1-Dichloroethane	5.85	63	690290	47.09	ug/l	100
25) 2-Butanone	6.84	43	871771	257.65	ug/l	99
26) 2,2-Dichloropropane	6.83	77	502003	51.16	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	411894	48.03	ug/l	98
28) Bromochloromethane	7.20	49	333787	50.03	ug/l	99
29) Tetrahydrofuran	7.21	42	466171	263.86	ug/l	99
30) Chloroform	7.37	83	706105	47.53	ug/l	98
31) Cyclohexane	7.65	56	614626	49.13	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	594357	47.53	ug/l	98
36) 1,1-Dichloropropene	7.80	75	542643	51.68	ug/l	99
37) Ethyl Acetate	6.93	43	326185	54.96	ug/l	100
38) Carbon Tetrachloride	7.78	117	537240	49.32	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050617.D
 Acq On : 14 Aug 2018 21:46
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 8/15/2018 3:32:16 PM

Quant Time: Aug 15 13:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	573352	52.74	ug/l	100
40) Benzene	8.04	78	1621897	50.78	ug/l	100
41) Methacrylonitrile	7.18	41	173367	54.03	ug/l	99
42) 1,2-Dichloroethane	8.13	62	490538	50.11	ug/l	99
43) Isopropyl Acetate	8.17	43	558921	51.67	ug/l	99
44) Trichloroethene	8.84	130	418523	48.91	ug/l	99
45) 1,2-Dichloropropane	9.12	63	428801	50.42	ug/l	99
46) Dibromomethane	9.21	93	250696	49.93	ug/l	98
47) Bromodichloromethane	9.40	83	538915	50.21	ug/l	99
48) Methyl methacrylate	9.20	41	286670	52.67	ug/l	99
49) 1,4-Dioxane	9.20	88	75509	1053.15	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2007436	274.43	ug/l	100
52) Toluene	10.16	92	1006815	52.79	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	528805	52.90	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	617403	53.84	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	361611	50.75	ug/l	98
56) Ethyl methacrylate	10.43	69	449919	49.52	ug/l	98
57) 1,3-Dichloropropane	10.71	76	608485	52.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1088658	250.05	ug/l	99
59) 2-Hexanone	10.75	43	1317125	278.98	ug/l	100
60) Dibromochloromethane	10.90	129	411966	52.39	ug/l	98
61) 1,2-Dibromoethane	11.01	107	358954	52.90	ug/l	98
64) Tetrachloroethene	10.63	164	394736	48.96	ug/l	99
65) Chlorobenzene	11.43	112	1088068	50.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	407401	50.30	ug/l	99
67) Ethyl Benzene	11.51	91	1881858	53.94	ug/l	100
68) m/p-Xylenes	11.62	106	1445495	108.34	ug/l	99
69) o-Xylene	11.95	106	684528	53.80	ug/l	100
70) Styrene	11.96	104	1141536	50.44	ug/l	99
71) Bromoform	12.13	173	280538	52.24	ug/l #	100
73) Isopropylbenzene	12.25	105	1809565	51.06	ug/l	100
74) N-amyl acetate	12.07	43	478797	51.93	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	445590	54.36	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	336167m	45.79	ug/l	
77) Bromobenzene	12.53	156	464111	48.24	ug/l	99
78) n-propylbenzene	12.59	91	2085815	52.78	ug/l	99
79) 2-Chlorotoluene	12.67	91	1232986	50.05	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1492550	52.60	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	108075	52.97	ug/l	99
82) 4-Chlorotoluene	12.77	91	1249989	51.34	ug/l	100
83) tert-Butylbenzene	12.99	119	1275396	51.78	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1527504	53.64	ug/l	100
85) sec-Butylbenzene	13.17	105	1679070	52.17	ug/l	100
86) p-Isopropyltoluene	13.29	119	1468132	53.83	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	808811	49.38	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	786525	48.38	ug/l	100
89) n-Butylbenzene	13.62	91	1158882	52.62	ug/l	100
90) Hexachloroethane	13.88	117	257672	46.99	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	785373	49.15	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62785	49.66	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050617.D
 Acq On : 14 Aug 2018 21:46
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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Quant Time: Aug 15 13:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	382417	46.81	ug/l	99
94) Hexachlorobutadiene	15.01	225	235318	48.03	ug/l	99
95) Naphthalene	15.13	128	785454	45.41	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	371703	48.58	ug/l	99

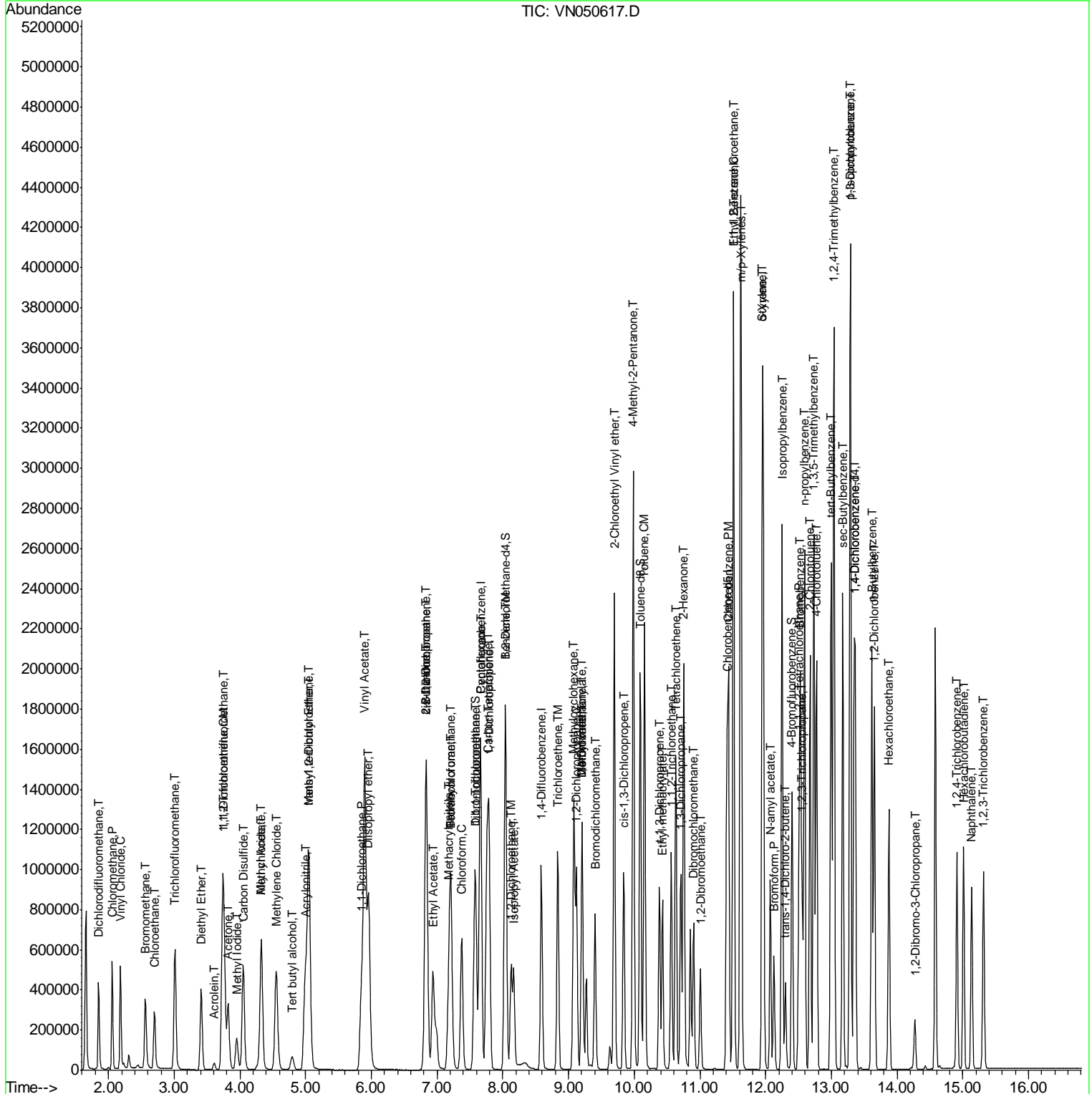
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050617.D
 Acq On : 14 Aug 2018 21:46
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

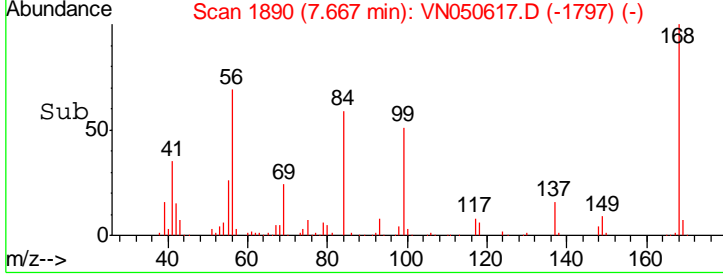
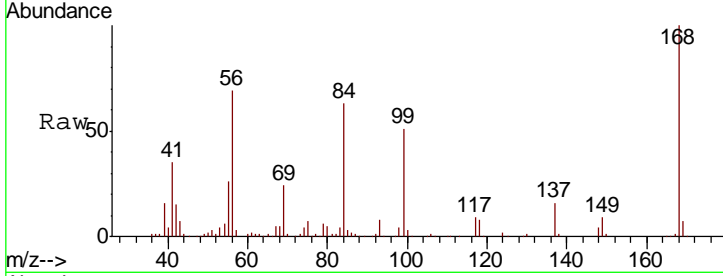
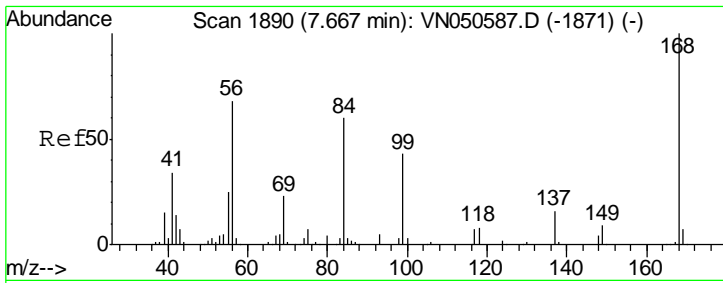
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050

Manual Integrations
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 8/15/2018 3:32:16 PM

Quant Time: Aug 15 13:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



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- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

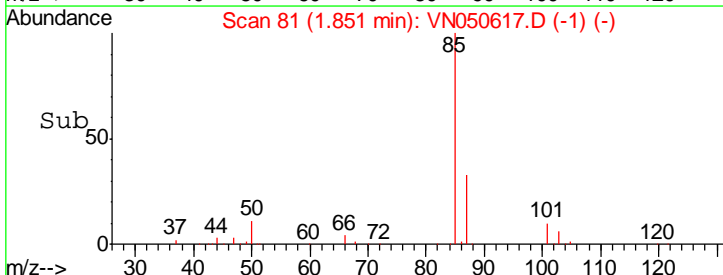
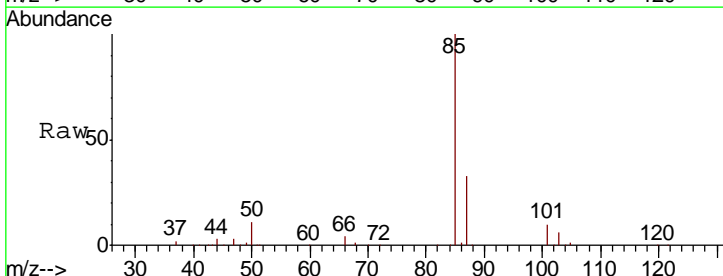
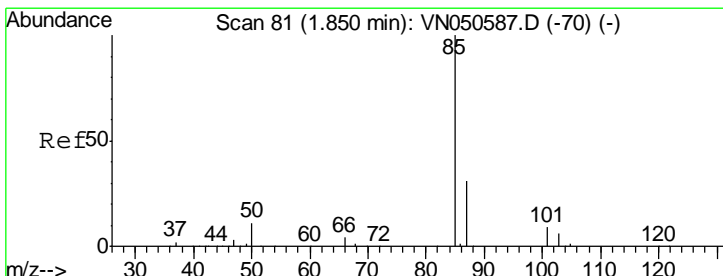
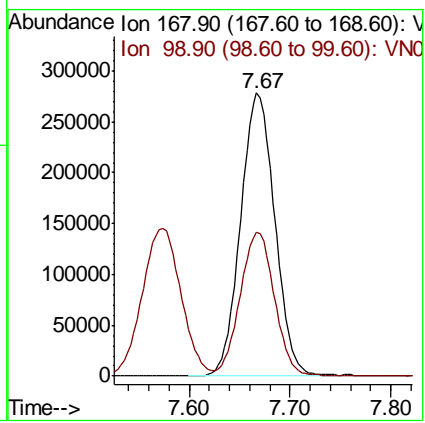
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.8	40.8	61.2

Instrument :
MSVOA_N

Client Sampled :
VSTDCCC050

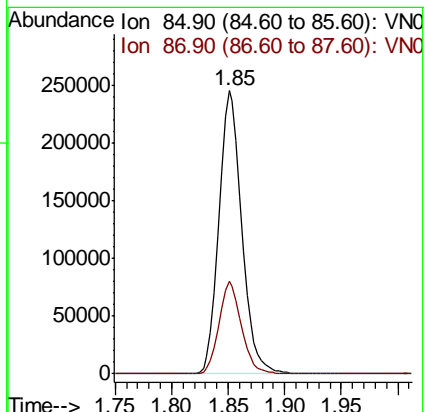
Manual Integrations
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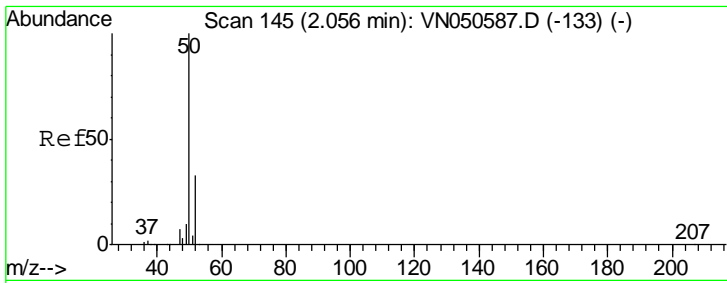
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#2
 Dichlorodifluoromethane
 Concen: 46.72 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.5	15.8	47.3





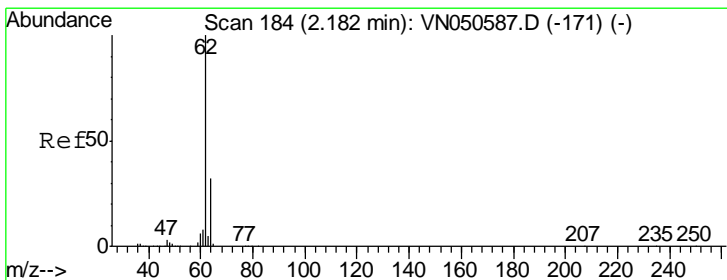
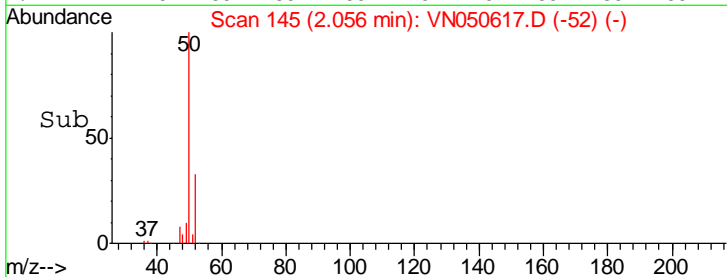
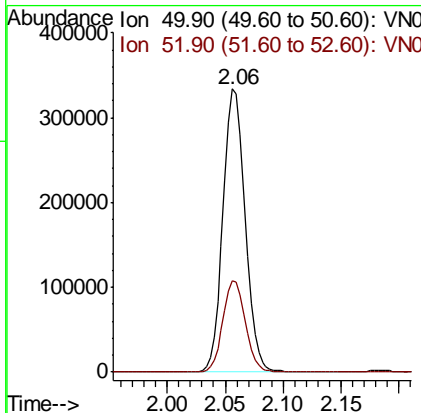
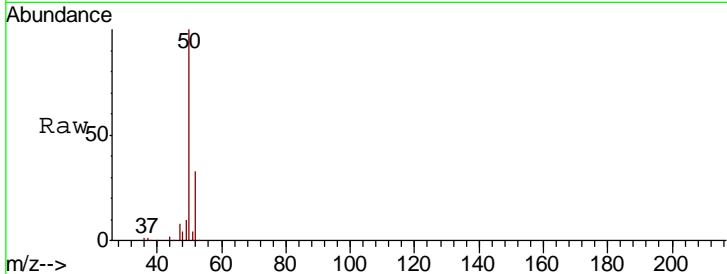
#3
 Chloromethane
 Concen: 49.21 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
50	442677		
52	32.5	26.0	39.0

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

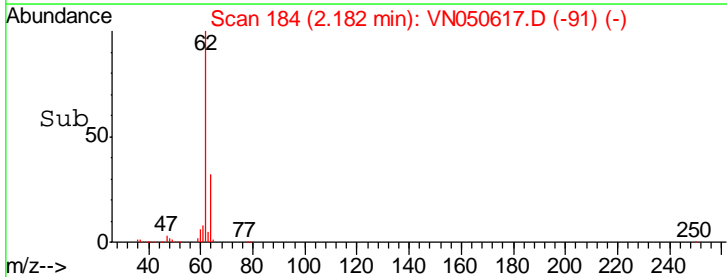
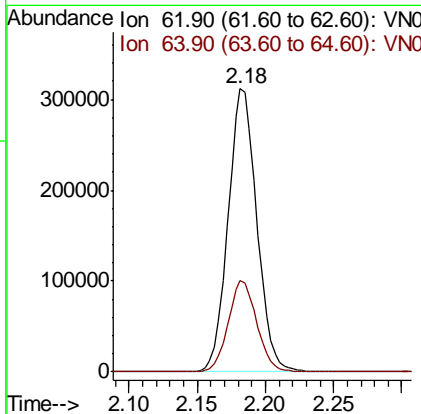
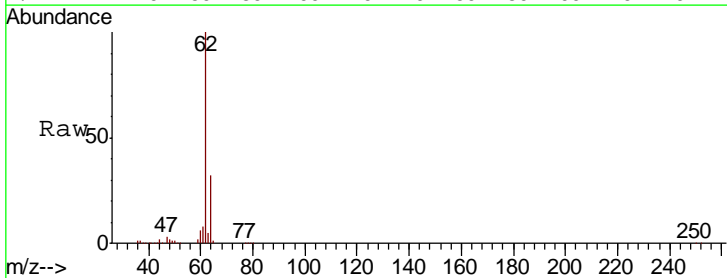
Manual Integrations
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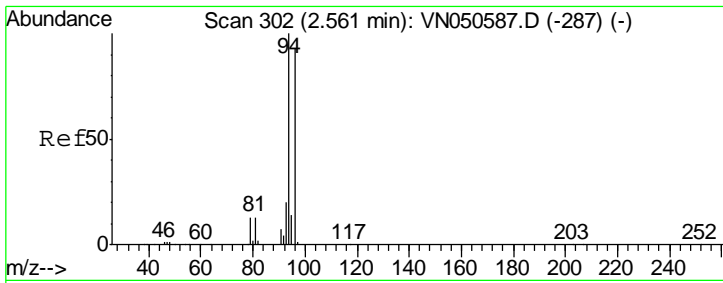
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#4
 Vinyl Chloride
 Concen: 46.63 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
62	457194		
64	32.2	25.2	37.8



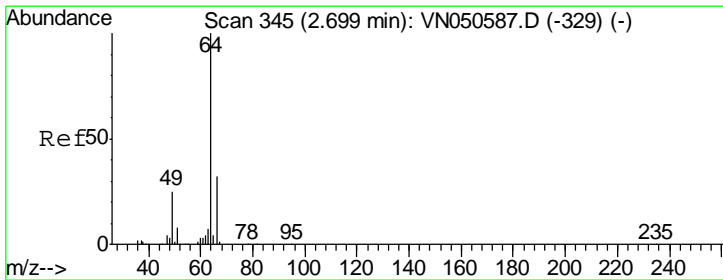
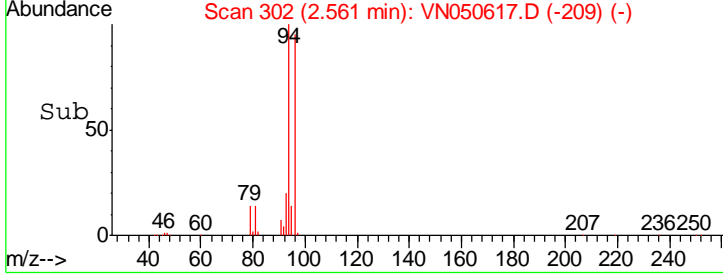
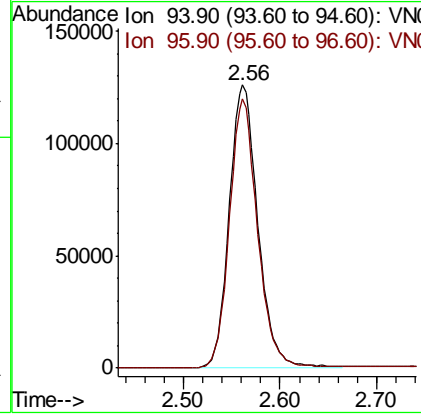
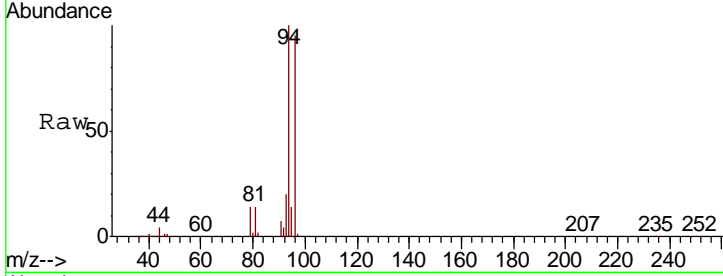


#5
 Bromomethane
 Concen: 49.26 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
94	100		
96	94.9	74.0	111.0

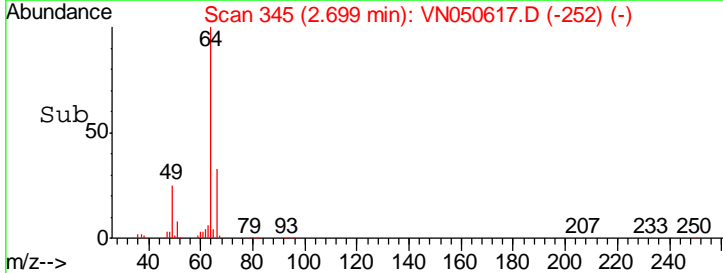
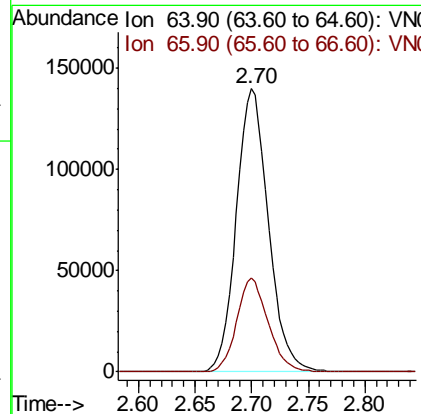
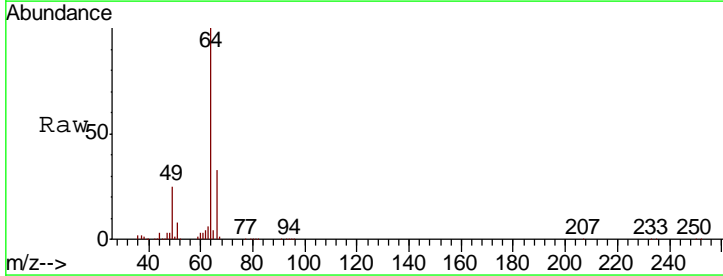
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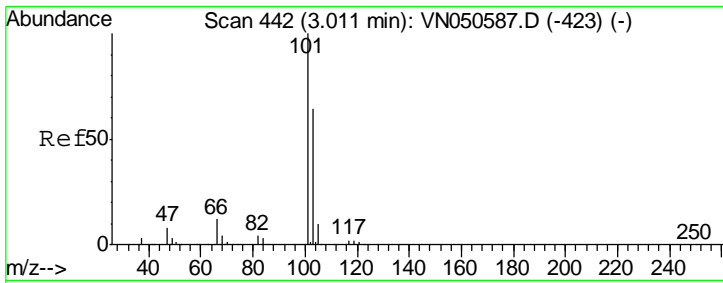
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#6
 Chloroethane
 Concen: 50.79 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
64	100		
66	33.2	25.7	38.5



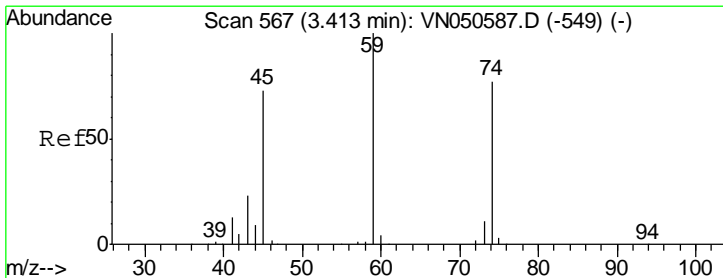
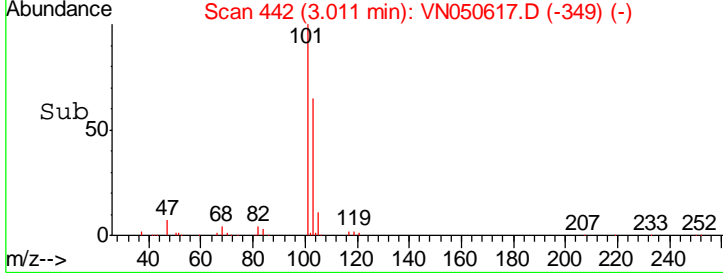
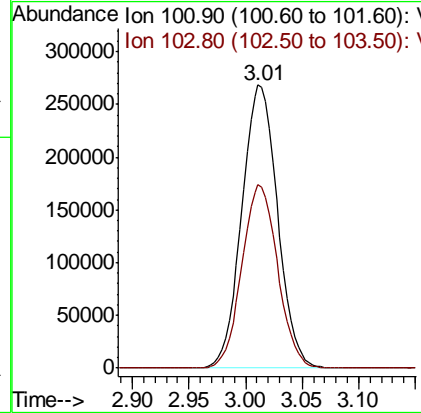
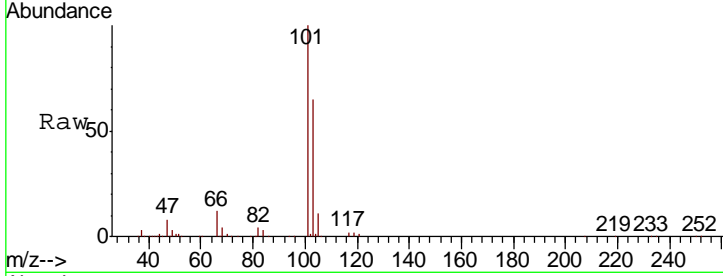


#7
 Trichlorofluoromethane
 Concen: 45.88 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
101	590221		
103	64.7	51.4	77.0

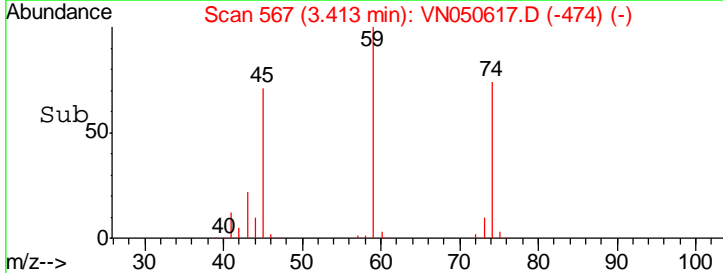
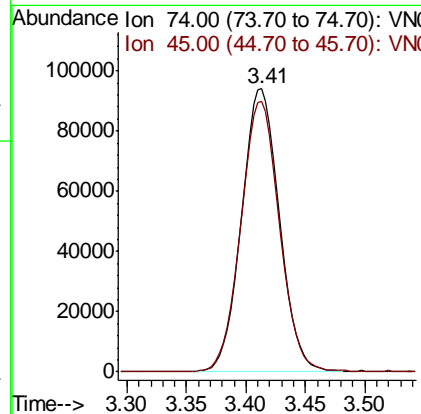
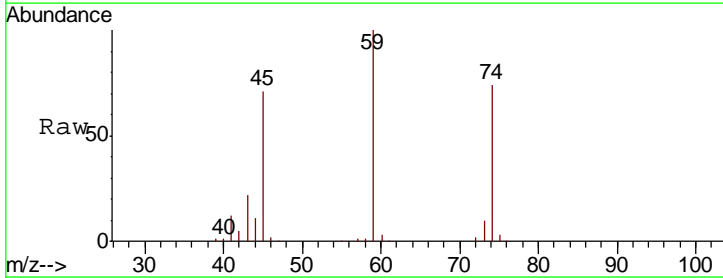
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 ClientSampleId : VSTDCCC050

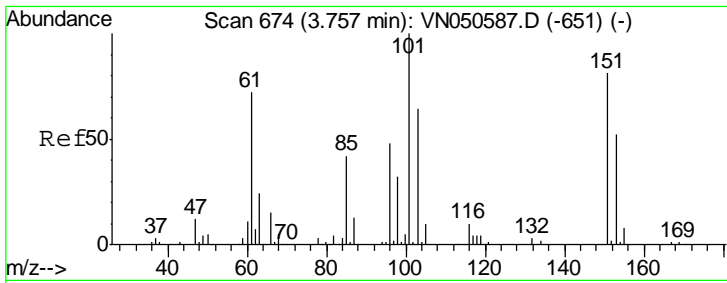
Manual Integrations
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 8/15/2018 3:32:16 PM



#8
 Diethyl Ether
 Concen: 48.44 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

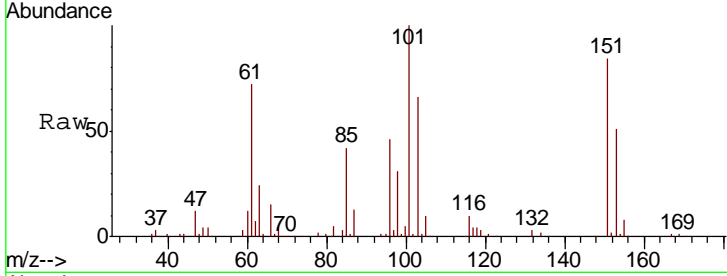
Tgt Ion	Resp	Lower	Upper
74	207318		
45	97.7	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.27 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

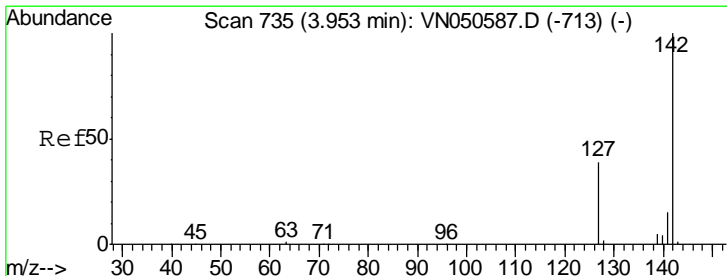
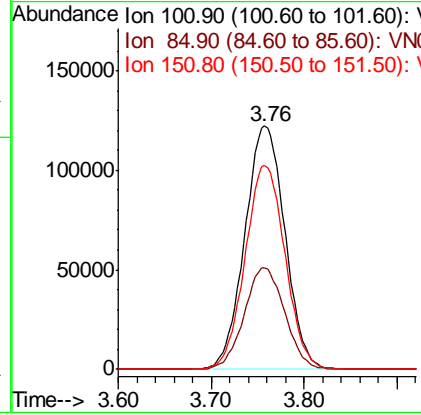
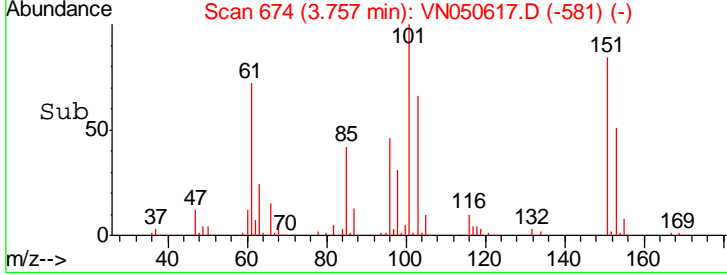
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 ClientSampled : VSTDCCC050



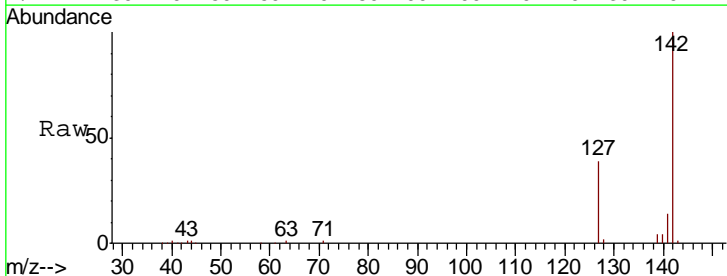
Tgt Ion: 101 Resp: 367747

Ion	Ratio	Lower	Upper
101	100		
85	42.0	33.4	50.0
151	83.6	66.6	100.0

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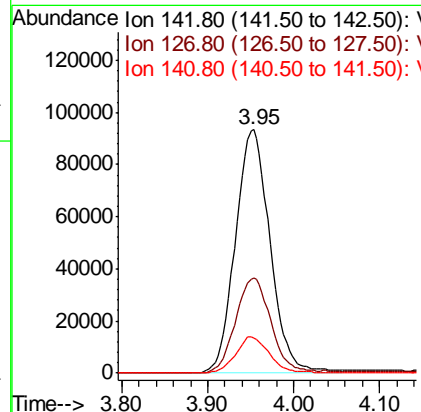
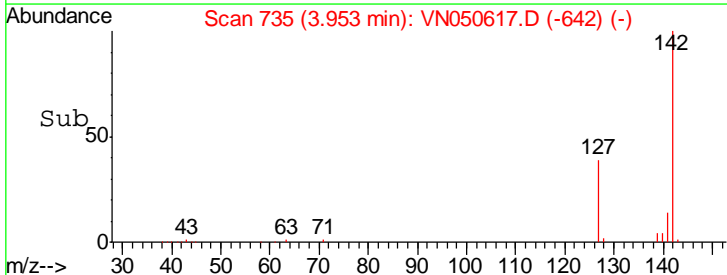


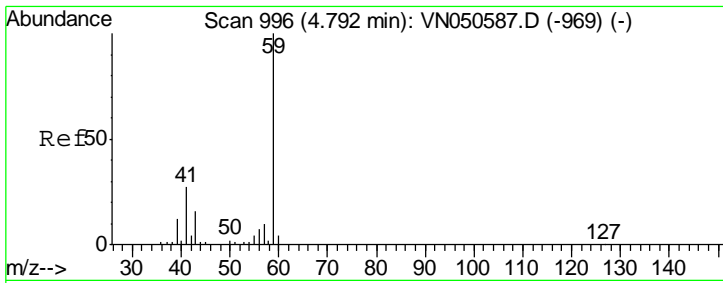
#10
 Methyl Iodide
 Concen: 47.76 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46



Tgt Ion: 142 Resp: 262101

Ion	Ratio	Lower	Upper
142	100		
127	39.8	32.6	49.0
141	14.5	11.5	17.3





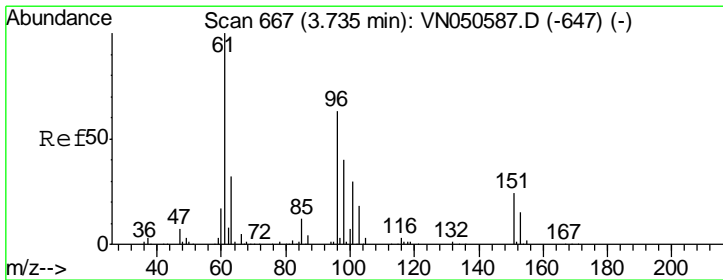
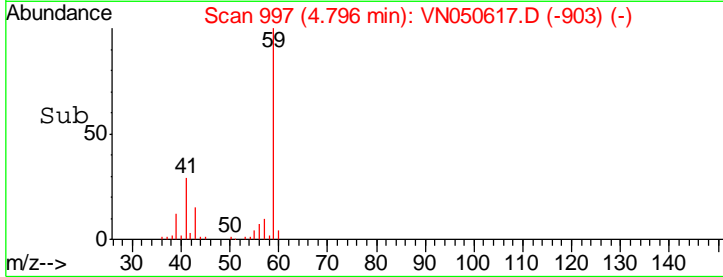
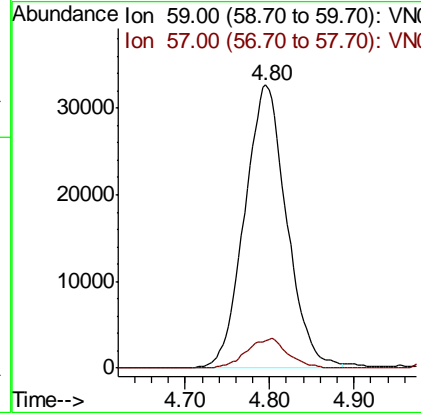
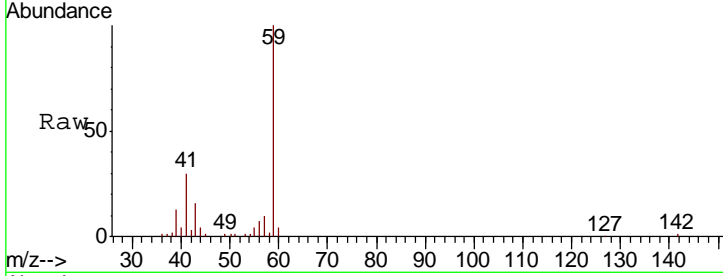
#11
 Tert butyl alcohol
 Concen: 251.13 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
59	113160		
57	10.3	8.4	12.6

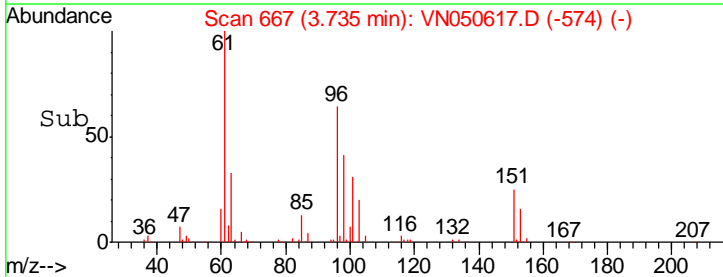
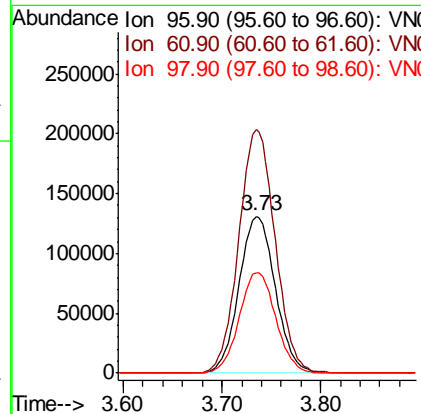
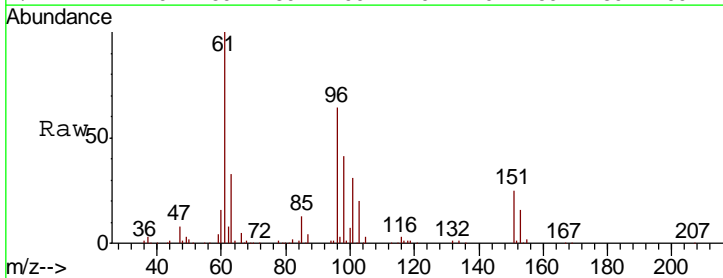
Manual Integrations
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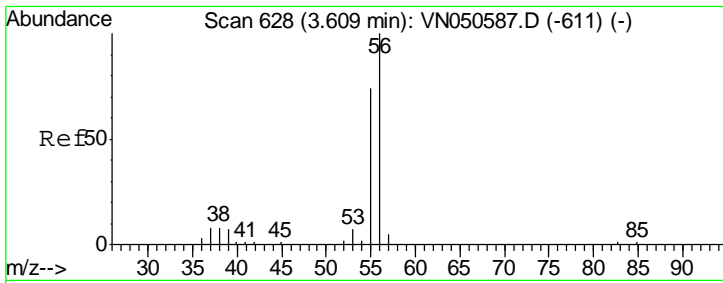
MMDadoda
 8/15/2018 3:32:16 PM



#12
 1,1-Dichloroethene
 Concen: 47.06 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
96	334321		
61	155.0	126.9	190.3
98	64.0	51.1	76.7





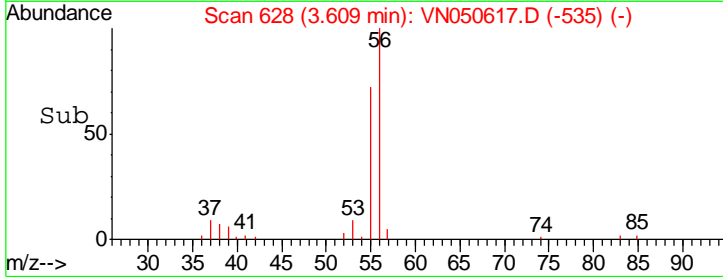
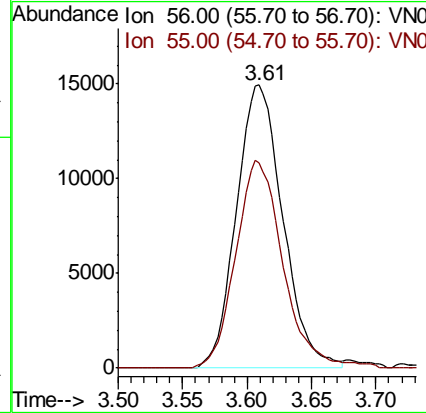
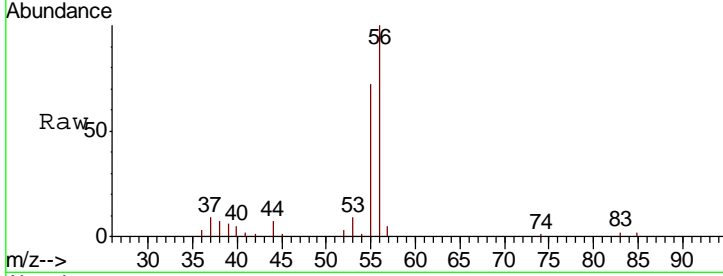
#13
 Acrolein
 Concen: 216.98 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDC050

Tgt Ion	Resp	Lower	Upper
56	37479		
55	74.8	56.3	84.5

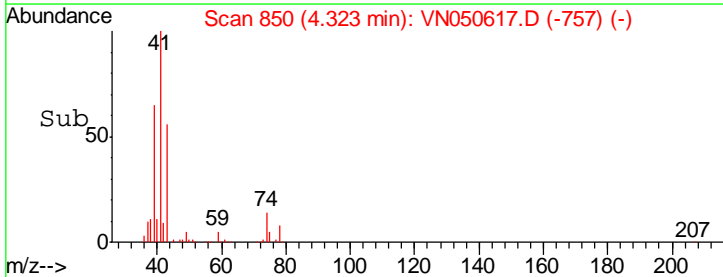
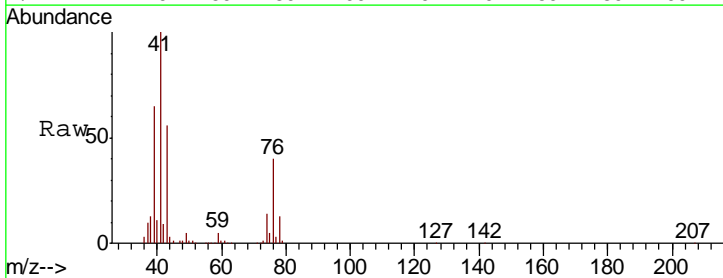
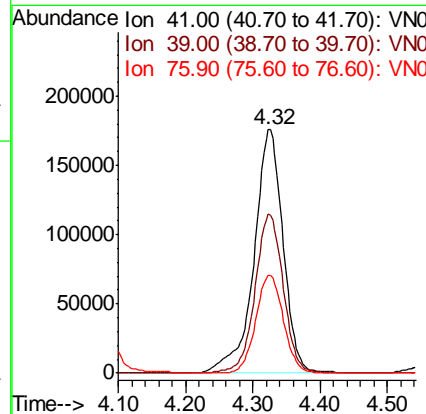
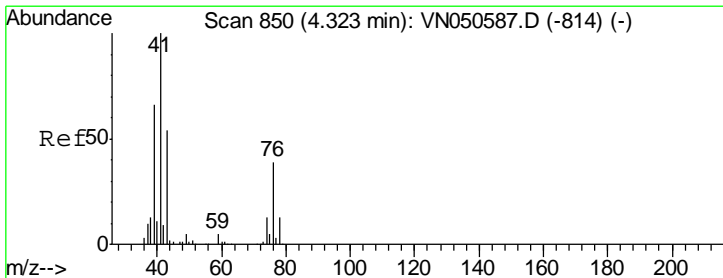
Manual Integrations
 APPROVED

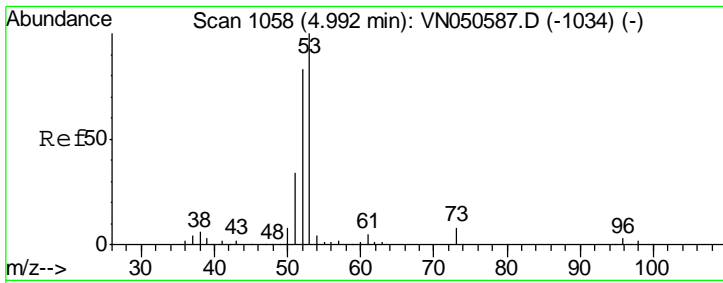
MMDadoda
 8/15/2018 3:32:16 PM



#14
 Allyl chloride
 Concen: 47.79 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
41	528042		
39	63.4	51.4	77.0
76	37.4	29.4	44.0





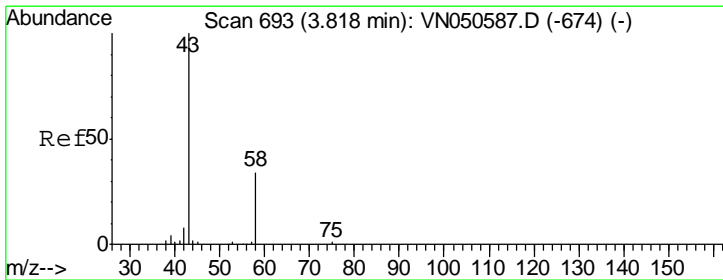
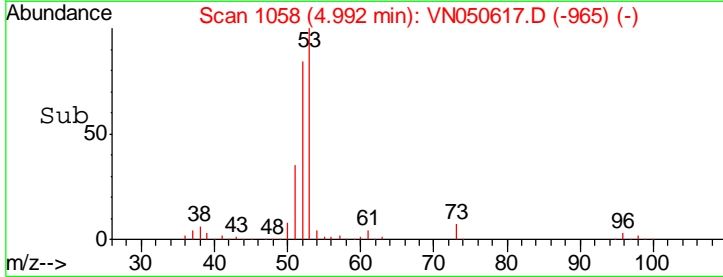
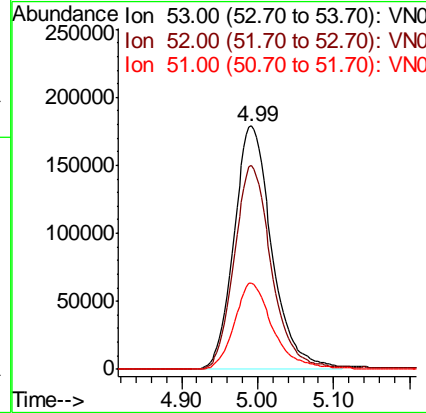
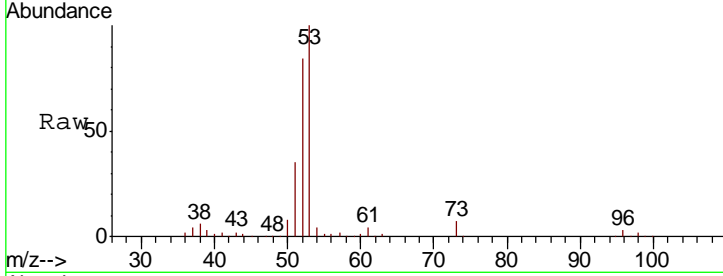
#15
 Acrylonitrile
 Concen: 251.13 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	36.2	28.6	43.0

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

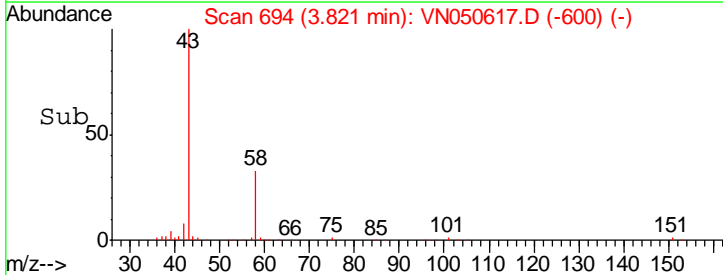
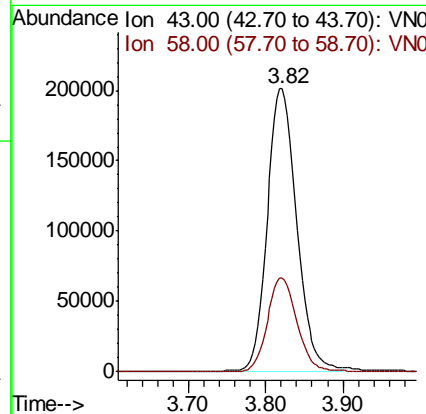
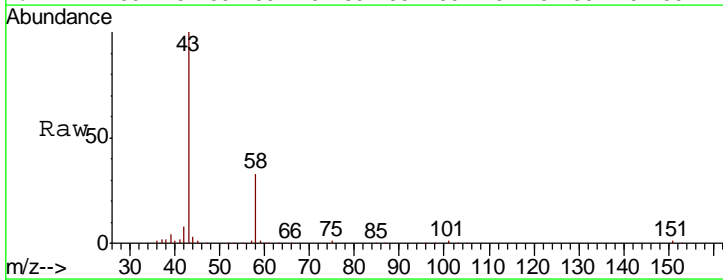
Manual Integrations
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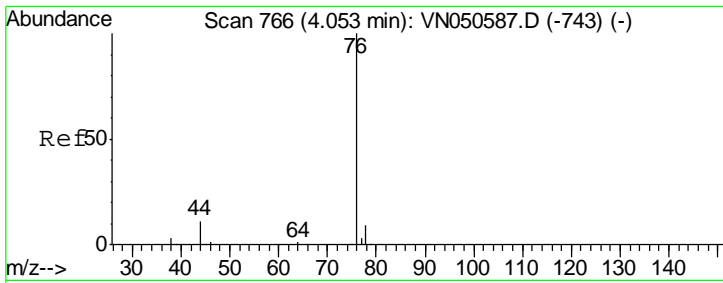
MMDadoda
 8/15/2018 3:32:16 PM



#16
 Acetone
 Concen: 257.78 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.2	27.1	40.7





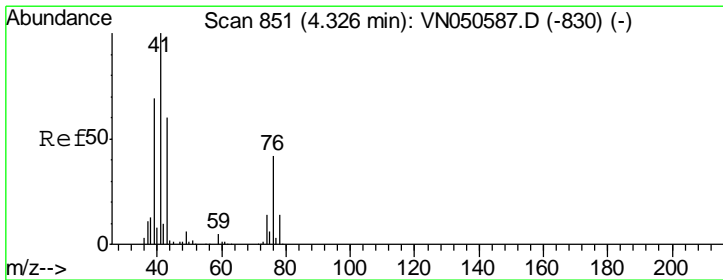
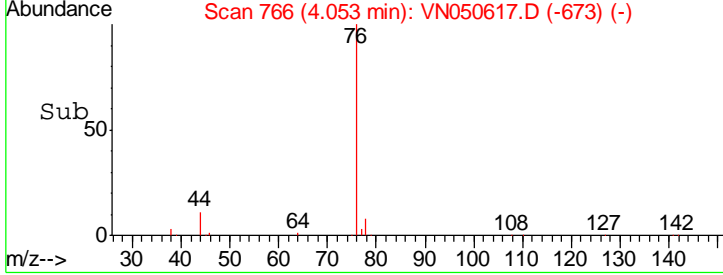
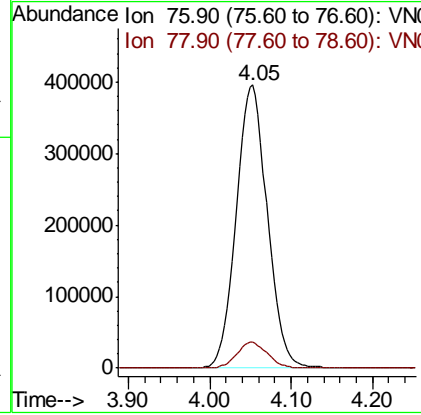
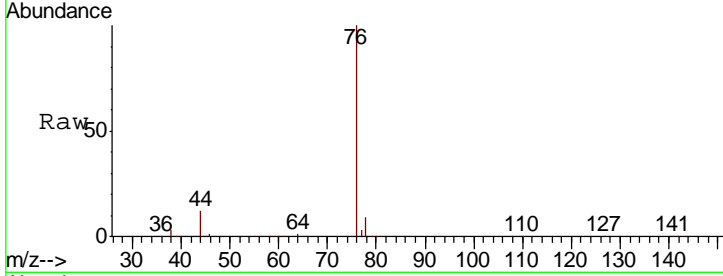
#17
 Carbon Disulfide
 Concen: 47.06 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion: 76 Resp: 1052025

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

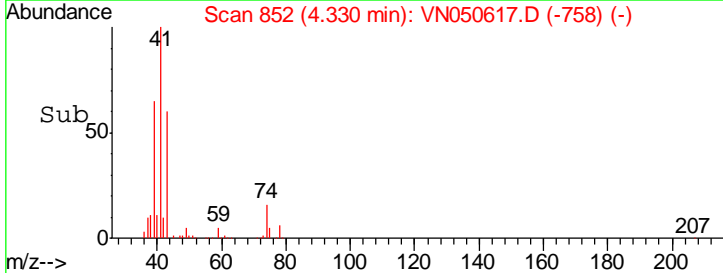
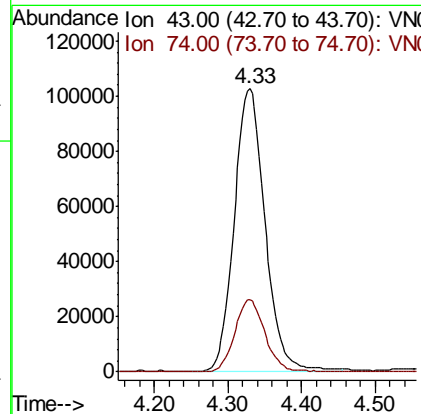
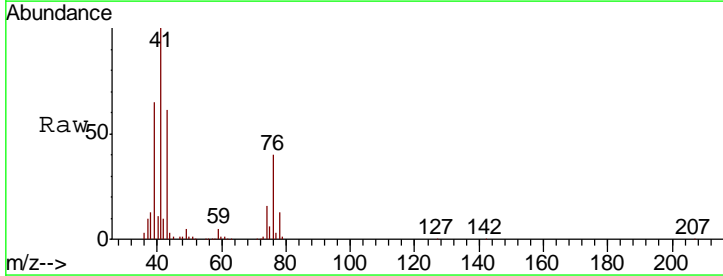
Manual Integrations
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 8/15/2018 3:32:16 PM

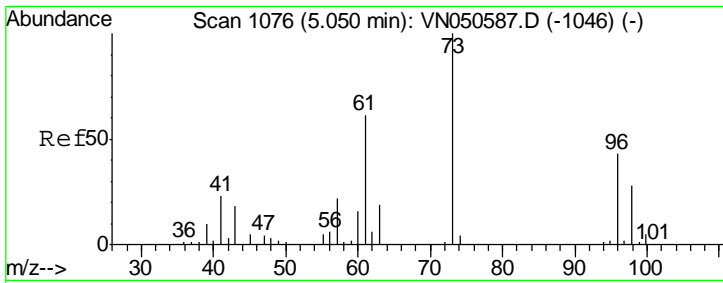


#18
 Methyl Acetate
 Concen: 51.34 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion: 43 Resp: 297436

Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.7	29.5



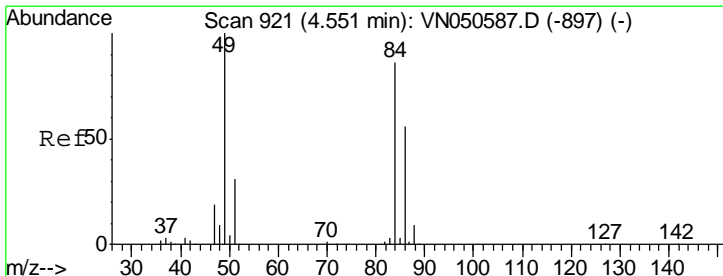
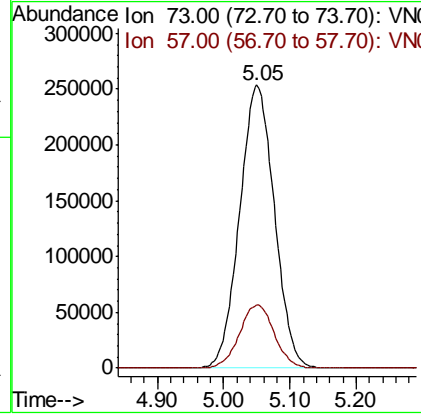
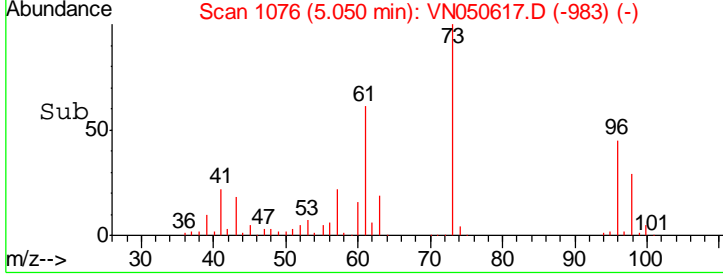
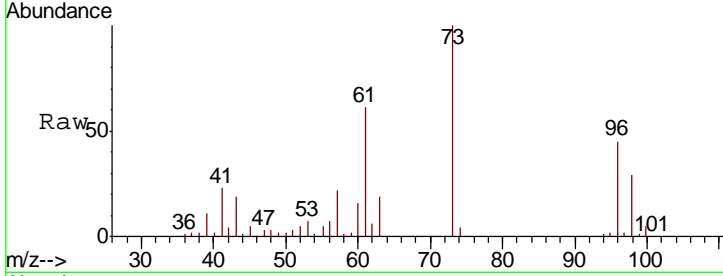


#19
 Methyl tert-butyl Ether
 Concen: 51.12 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.3	17.9	26.9

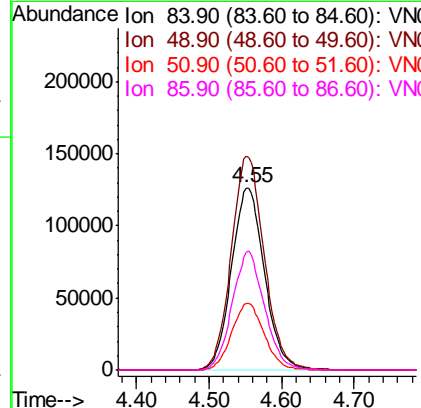
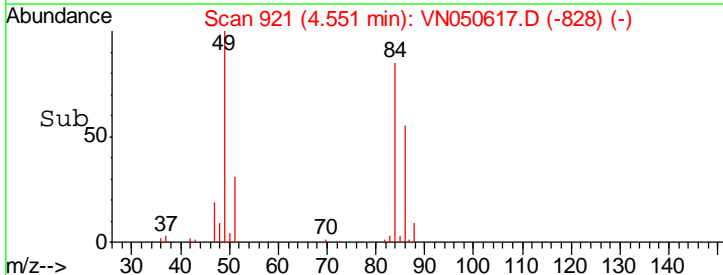
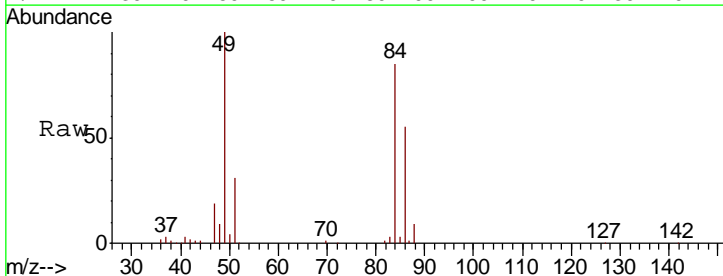
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

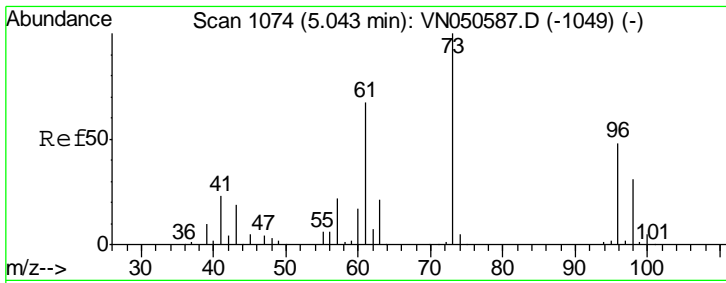
Manual Integrations
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 MMDadoda
 8/15/2018 3:32:16 PM



#20
 Methylene Chloride
 Concen: 50.97 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
84	100		
49	117.1	92.6	138.8
51	36.6	28.6	43.0
86	64.7	52.2	78.2



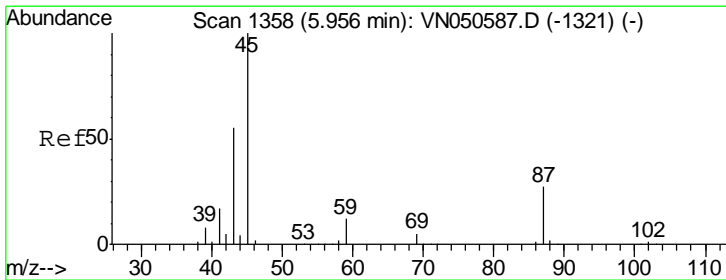
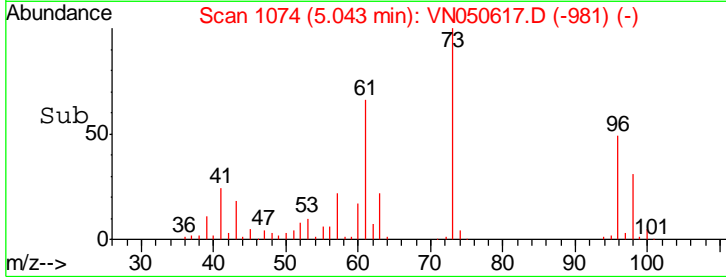
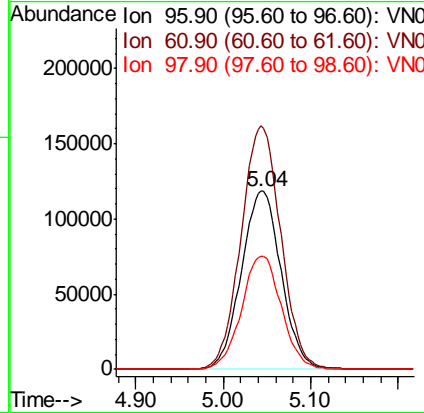
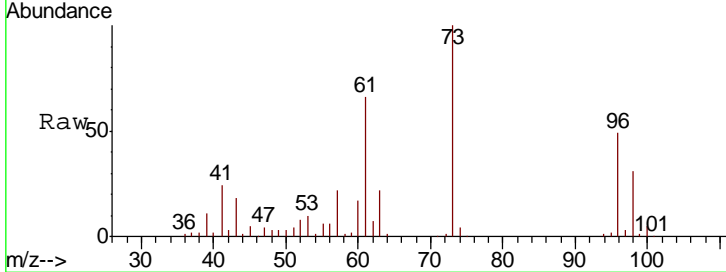


#21
 trans-1,2-Dichloroethene
 Concen: 48.47 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

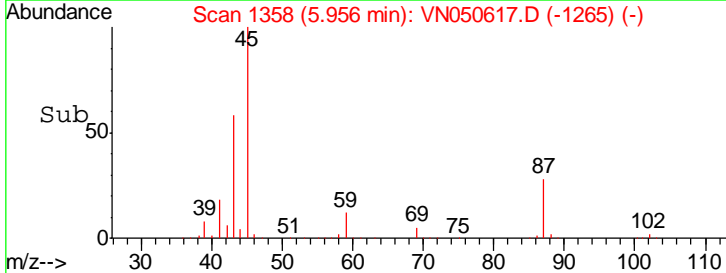
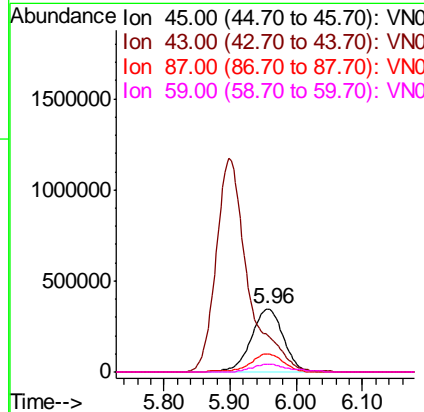
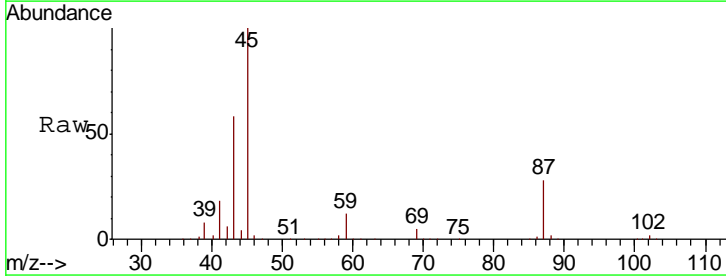
Tgt Ion	Resp	Lower	Upper
96	373272		
96	100		
61	136.7	111.2	166.8
98	63.4	51.6	77.4

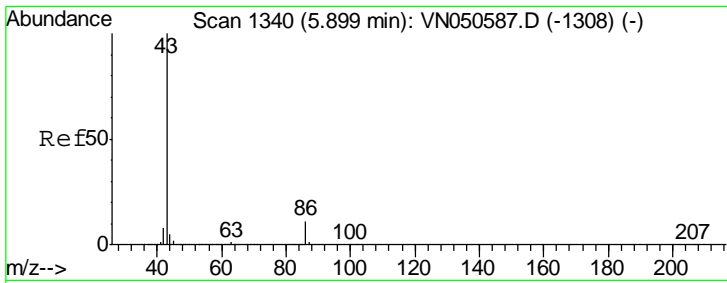
Manual Integrations
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#22
 Diisopropyl ether
 Concen: 51.71 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
45	1171610		
45	100		
43	56.9	44.5	66.7
87	28.3	22.2	33.2
59	11.5	9.5	14.3





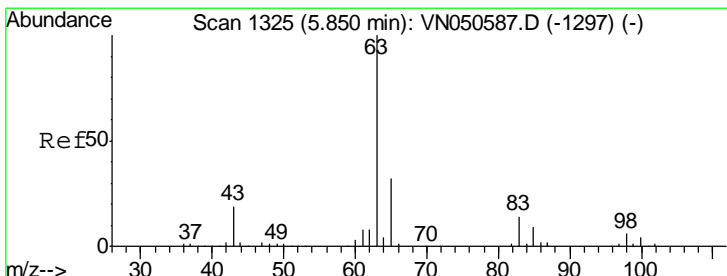
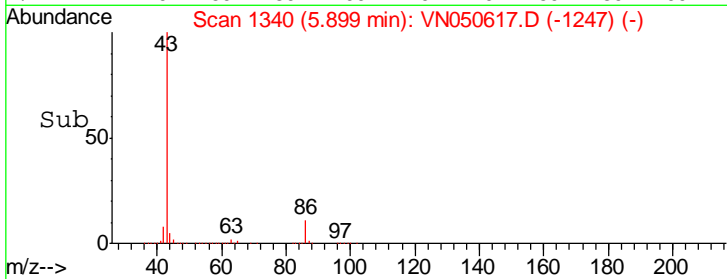
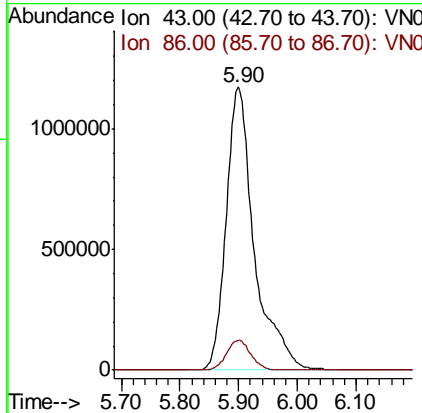
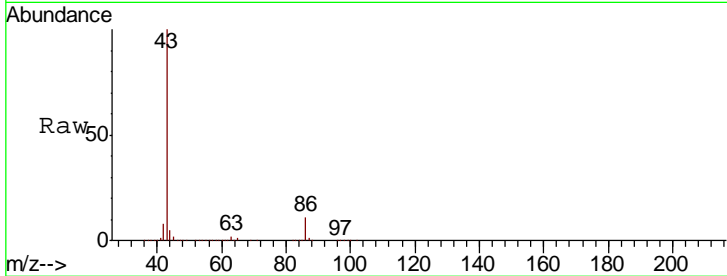
#23
 Vinyl Acetate
 Concen: 264.14 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDC050

Tgt Ion: 43 Resp: 3914618

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.4	12.6

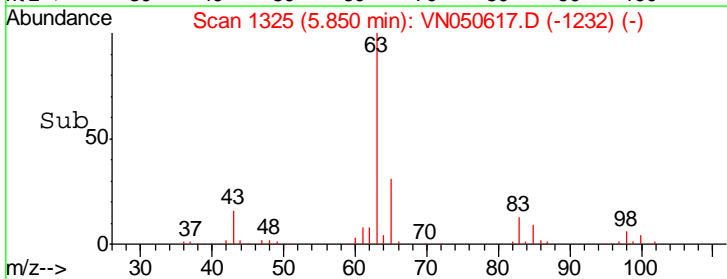
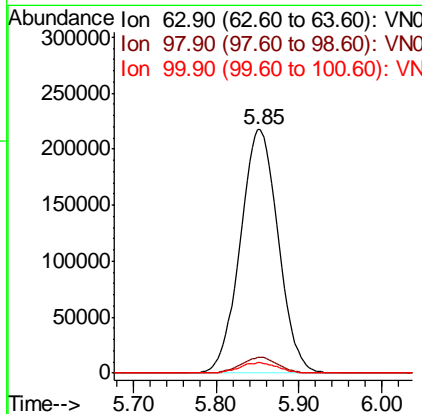
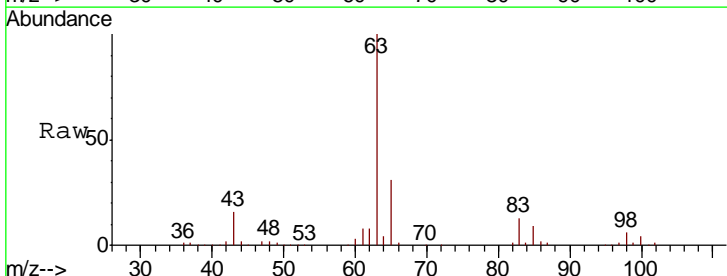
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:32:16 PM

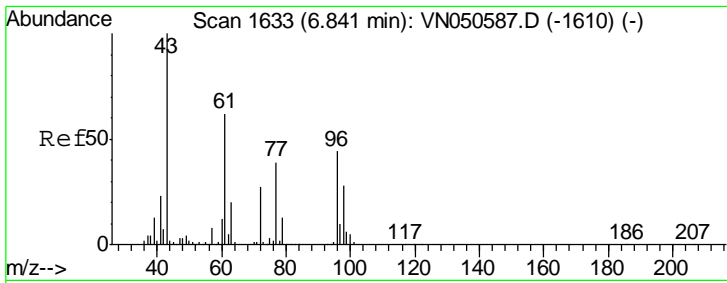


#24
 1,1-Dichloroethane
 Concen: 47.09 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion: 63 Resp: 690290

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	4.2	2.1	6.5



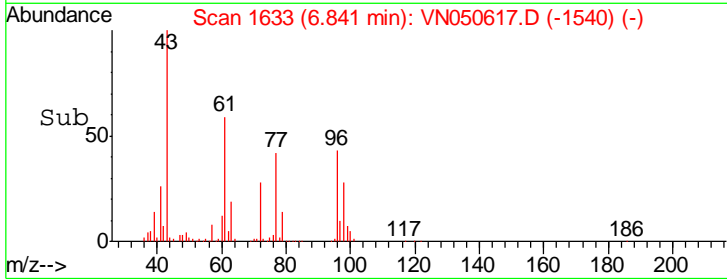
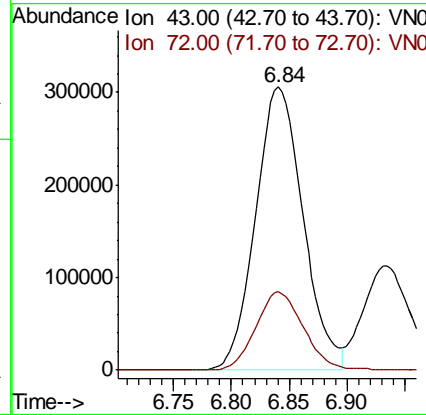
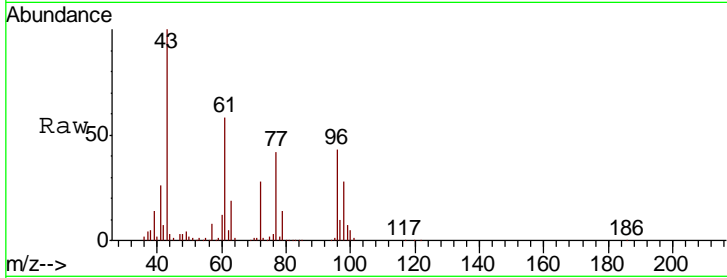


#25
 2-Butanone
 Concen: 257.65 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

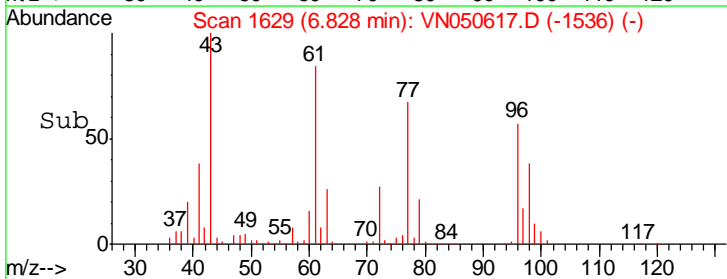
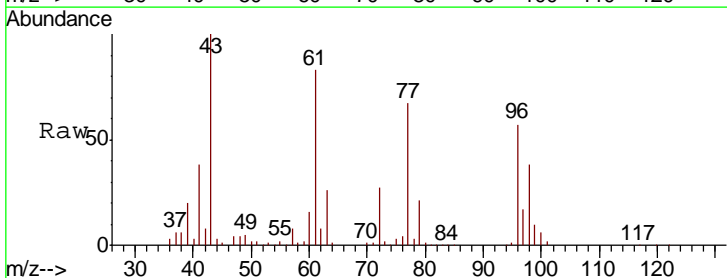
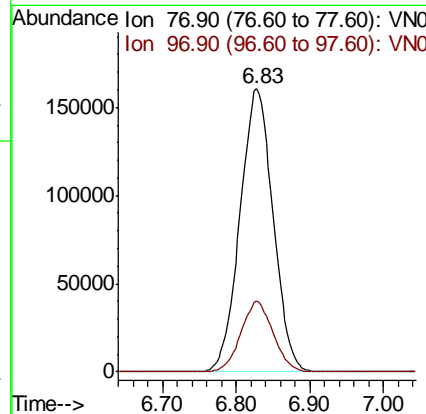
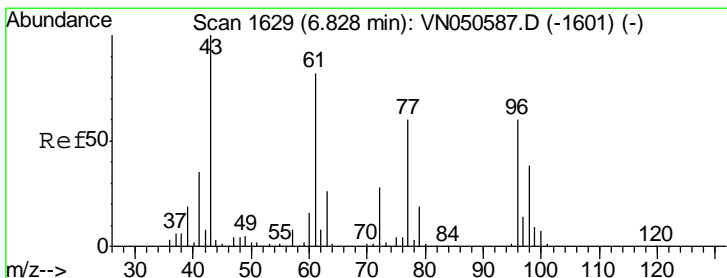
Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.6	21.8	32.6

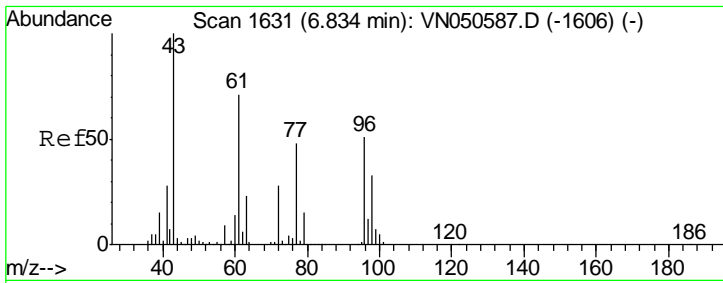
Manual Integrations
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 MMDadoda
 8/15/2018 3:32:16 PM



#26
 2,2-Dichloropropane
 Concen: 51.16 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.3	12.2	36.4



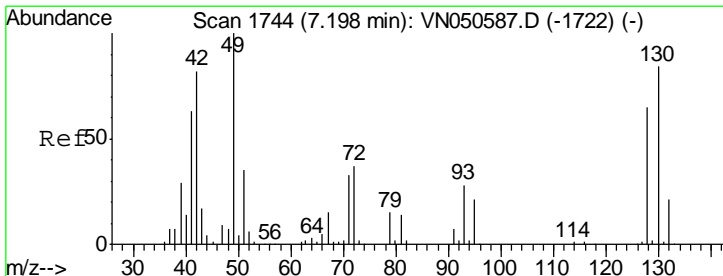
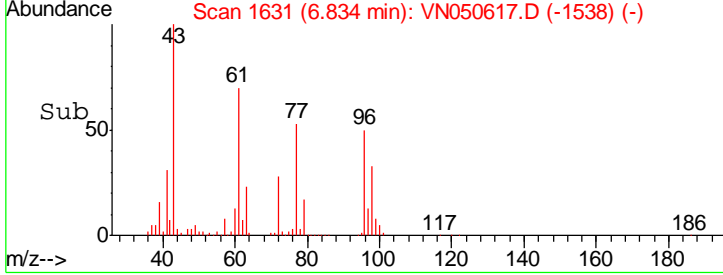
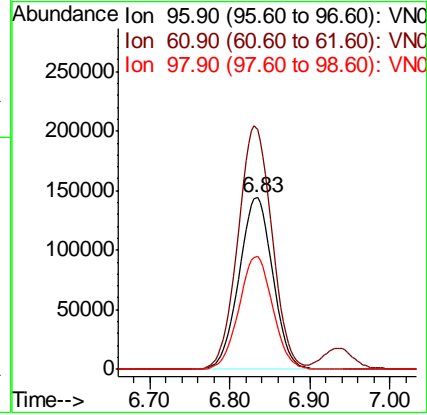
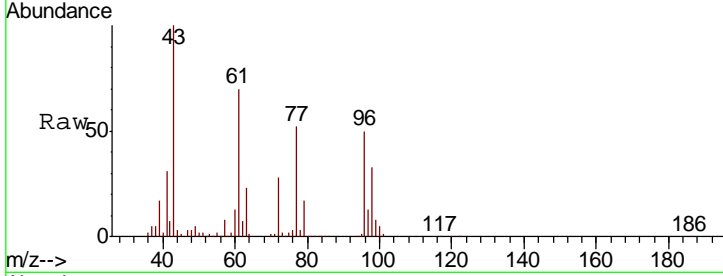


#27
 cis-1,2-Dichloroethene
 Concen: 48.03 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

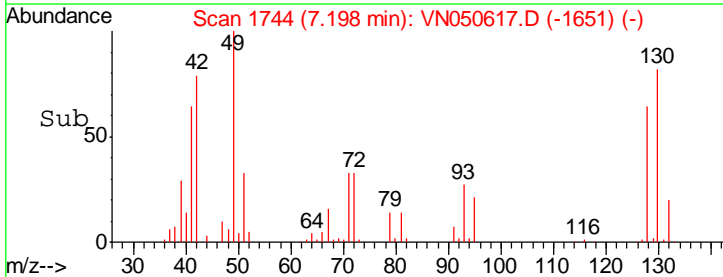
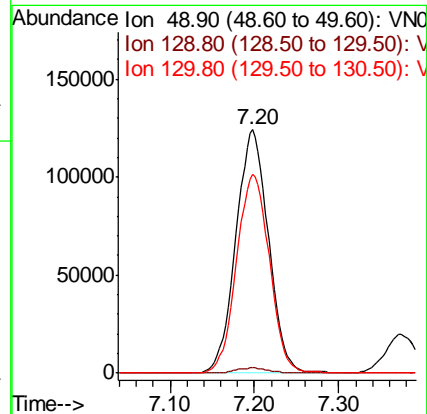
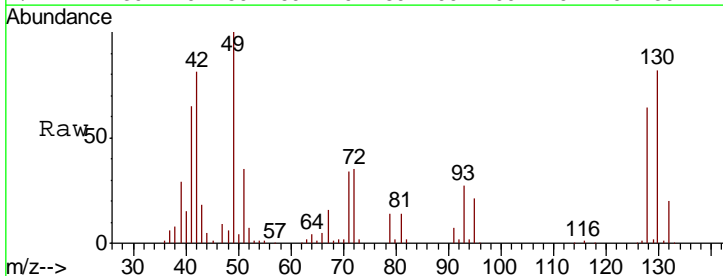
Tgt Ion	Resp	Lower	Upper
96	411894		
96	100		
61	142.3	0.0	278.2
98	65.7	0.0	128.8

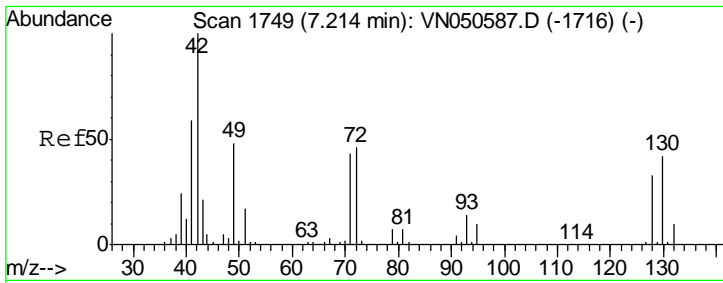
Manual Integrations
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#28
 Bromochloromethane
 Concen: 50.03 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
49	333787		
49	100		
129	2.2	0.0	4.2
130	82.5	66.8	100.2





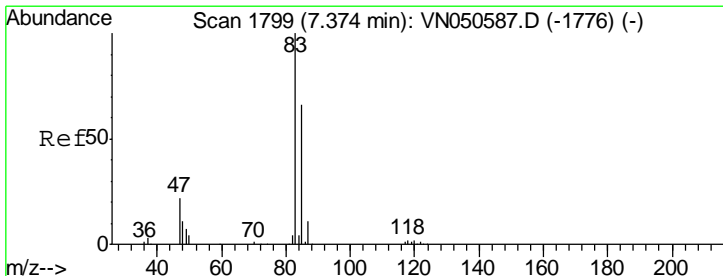
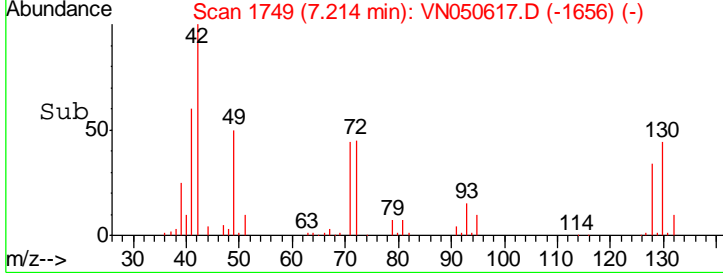
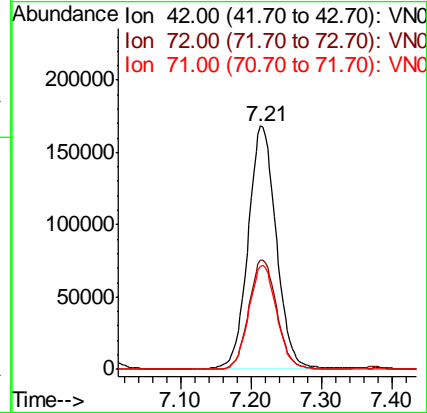
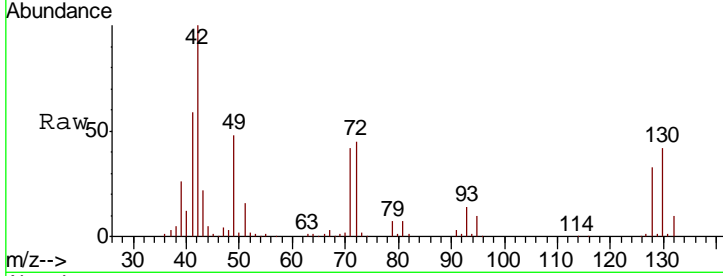
#29
 Tetrahydrofuran
 Concen: 263.86 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
42	100		
72	45.0	35.8	53.6
71	42.2	33.4	50.0

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

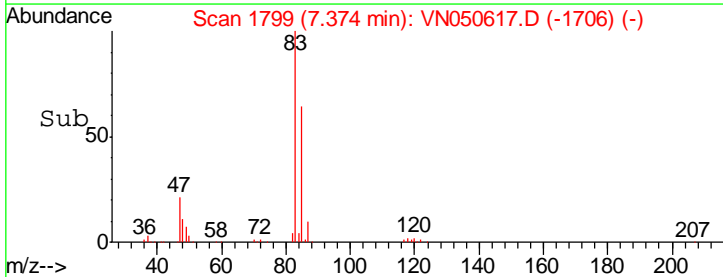
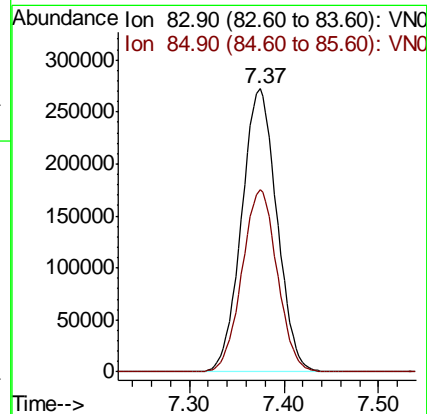
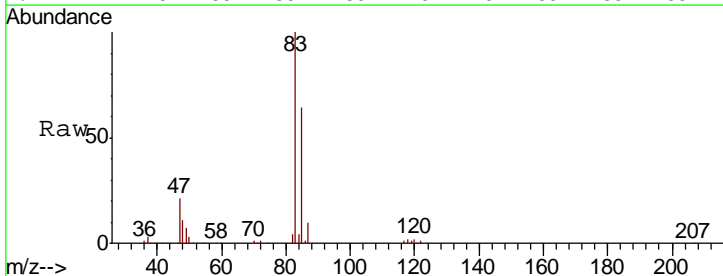
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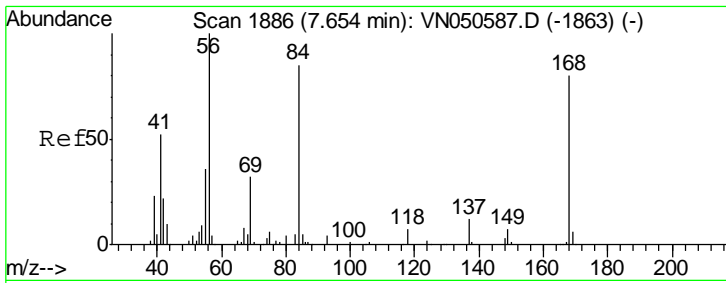
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#30
 Chloroform
 Concen: 47.53 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.2	52.5	78.7





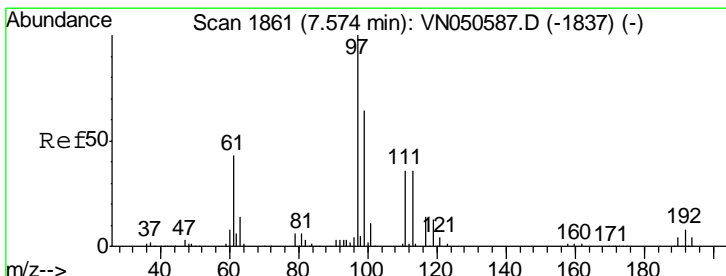
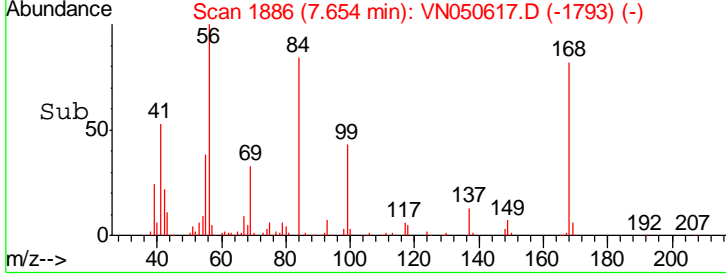
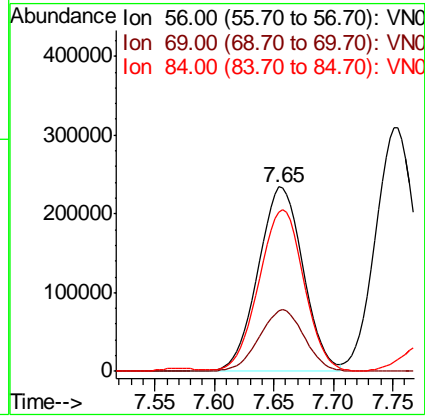
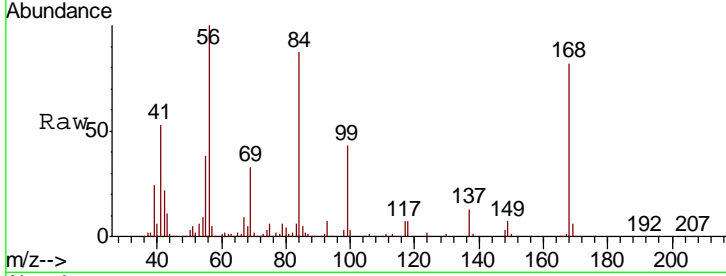
#31
 Cyclohexane
 Concen: 49.13 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 56 Resp: 614626

Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.8	38.6
84	85.2	67.8	101.6

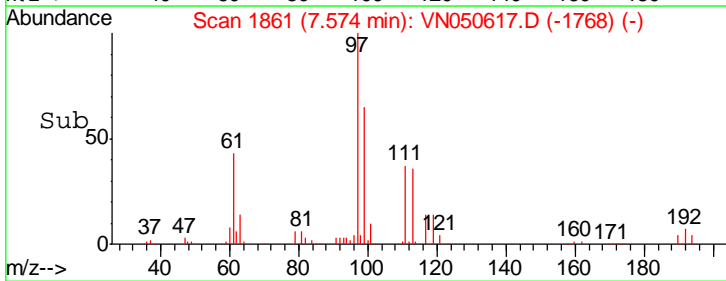
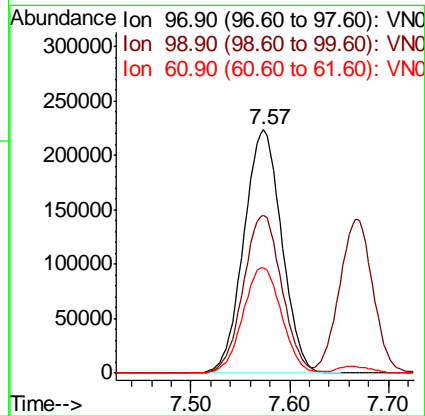
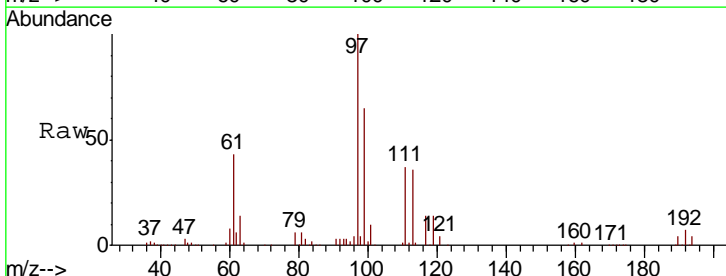
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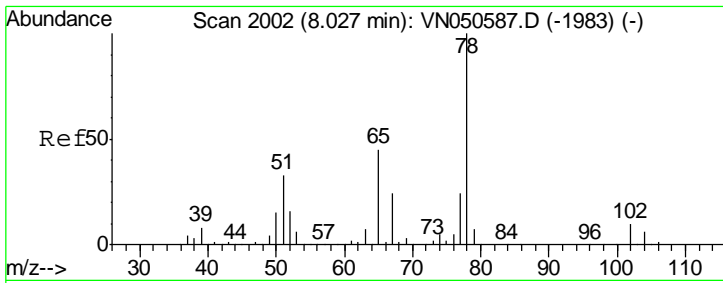


#32
 1,1,1-Trichloroethane
 Concen: 47.53 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion: 97 Resp: 594357

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.1	76.7
61	44.0	34.8	52.2



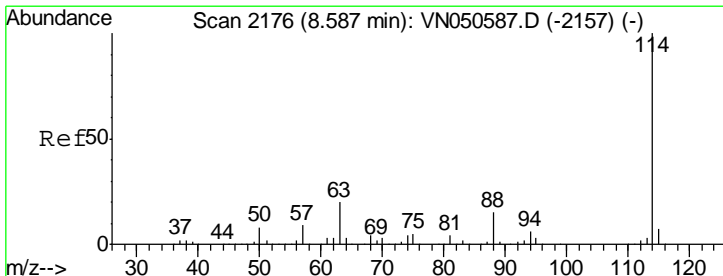
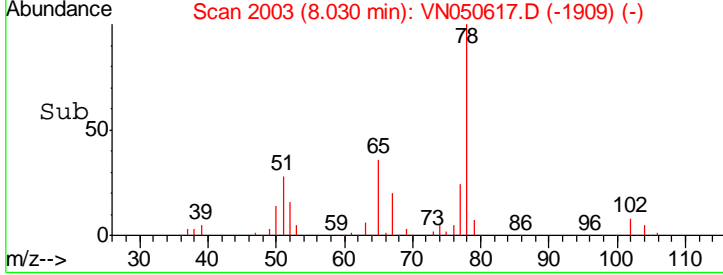
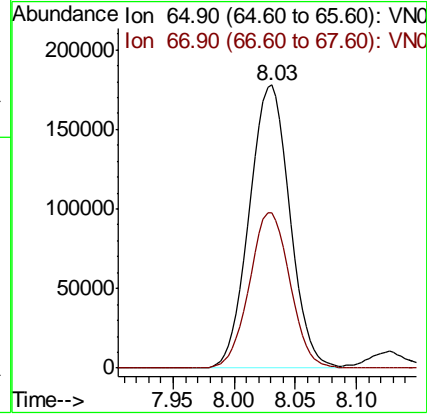
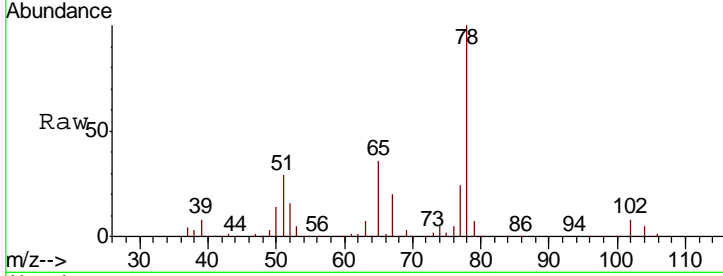


#33
 1,2-Dichloroethane-d4
 Concen: 49.43 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
65	100		
67	55.1	0.0	109.8

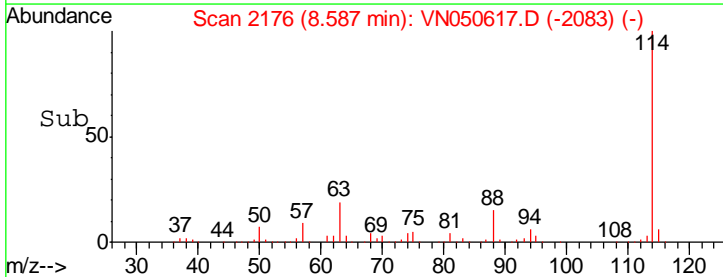
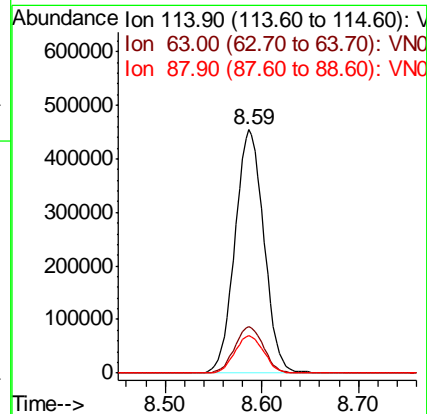
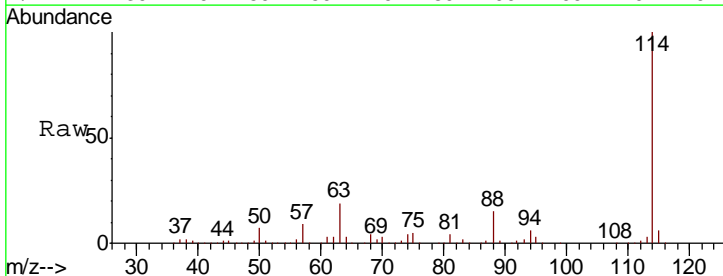
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

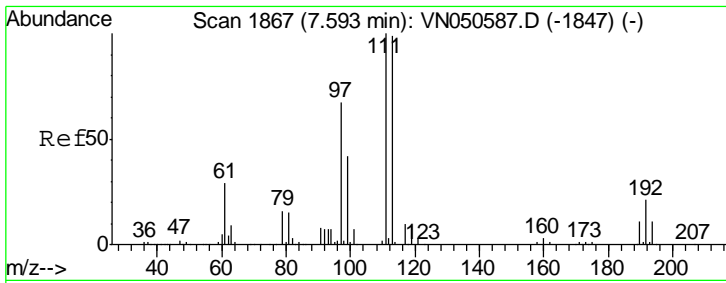
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

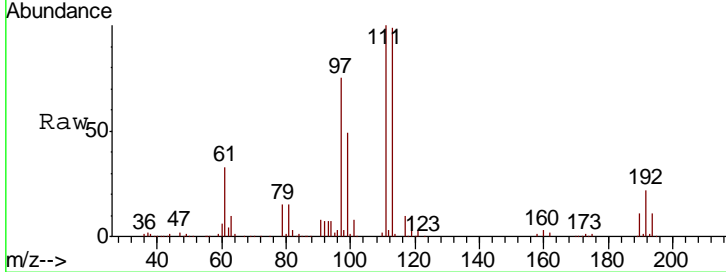
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.1	0.0	40.0
88	15.3	0.0	30.8





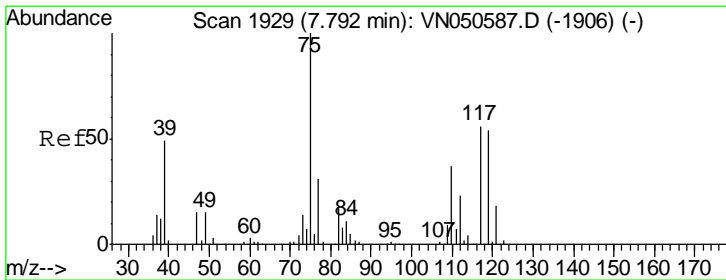
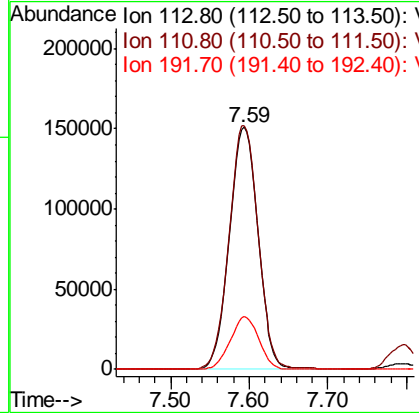
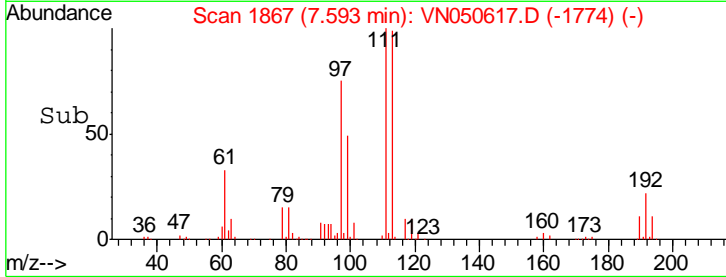
#35
 Dibromofluoromethane
 Concen: 50.81 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

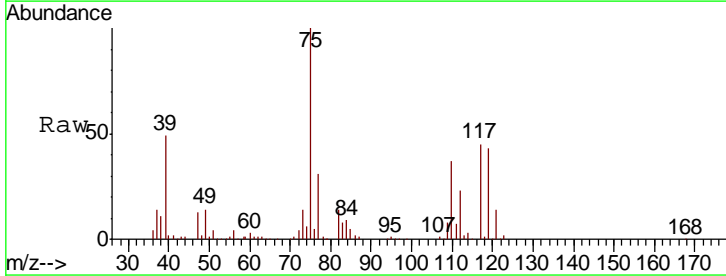


Tgt Ion	Resp	Lower	Upper
113	100		
111	101.7	81.0	121.6
192	21.6	17.6	26.4

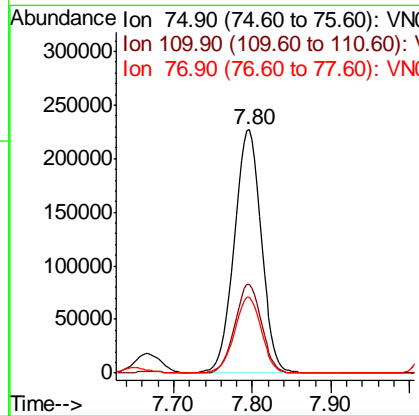
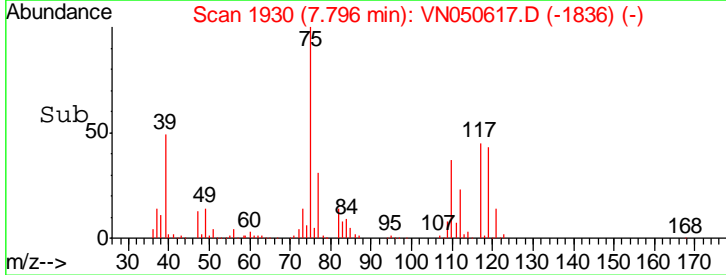
Manual Integrations
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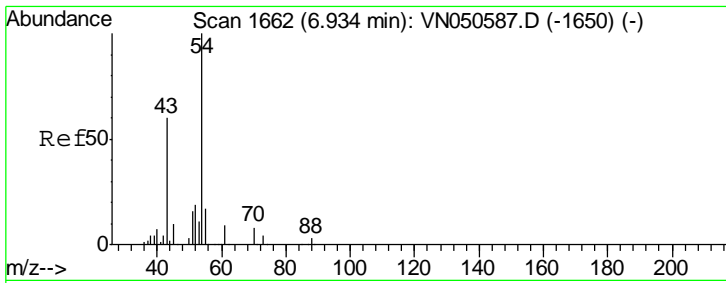


#36
 1,1-Dichloropropene
 Concen: 51.68 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46



Tgt Ion	Resp	Lower	Upper
75	100		
110	36.1	18.3	54.9
77	31.4	25.0	37.4





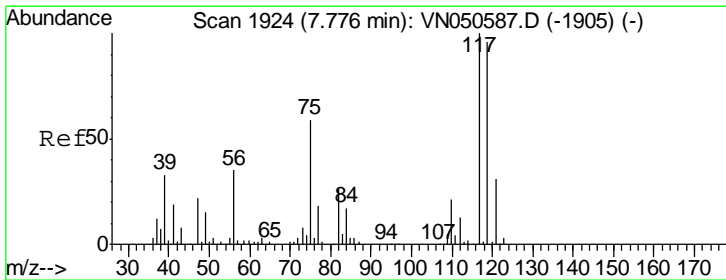
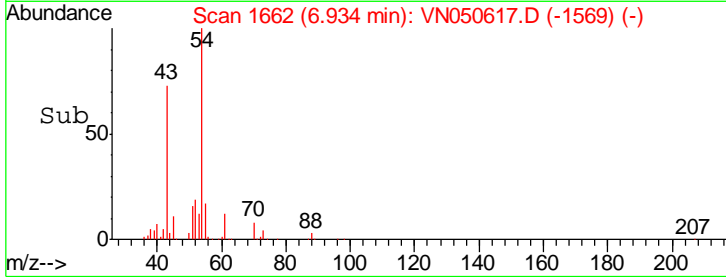
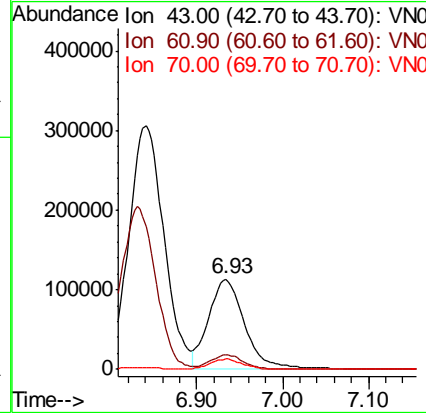
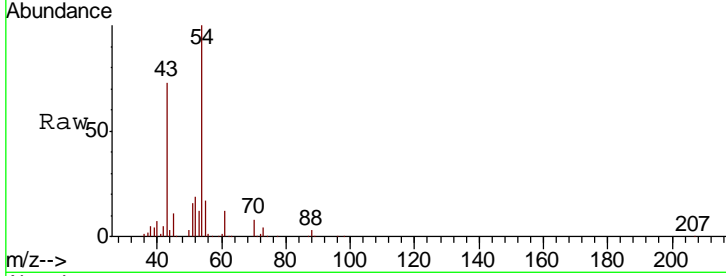
#37
Ethyl Acetate
Concen: 54.96 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	10.4	8.5	12.7

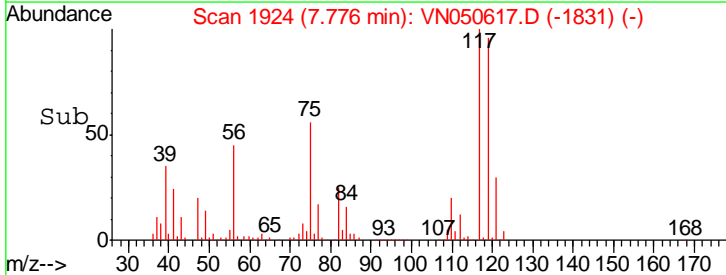
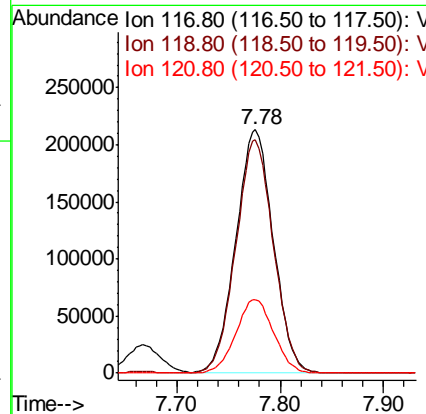
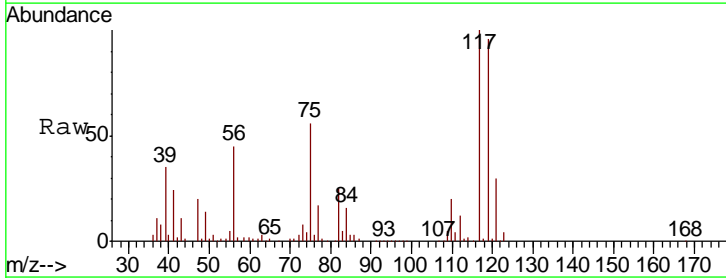
Manual Integrations
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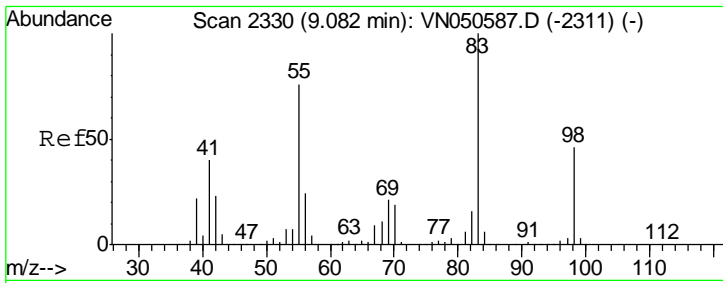
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#38
Carbon Tetrachloride
Concen: 49.32 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	30.4	25.0	37.6



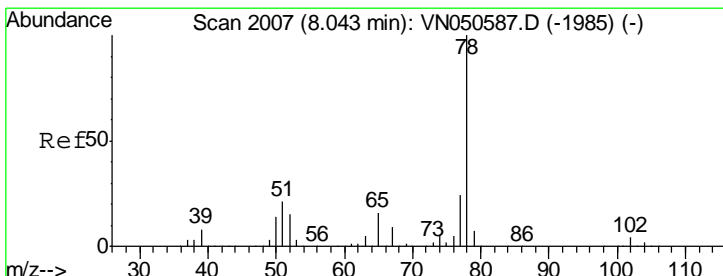
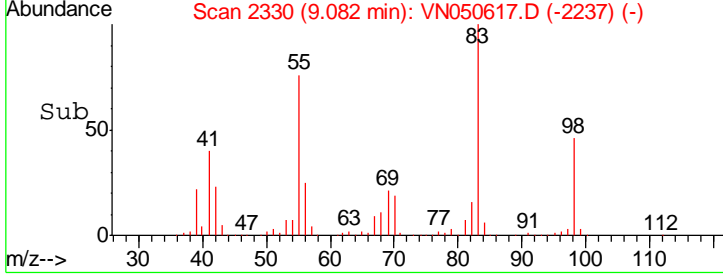
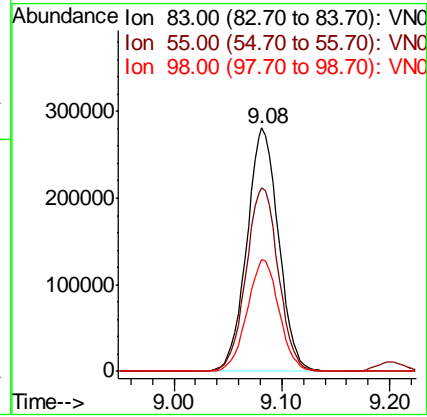
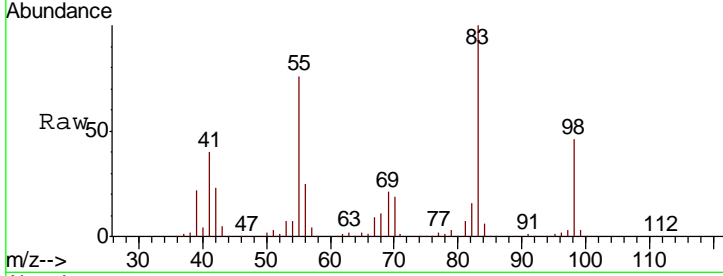


#39
 Methylcyclohexane
 Concen: 52.74 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

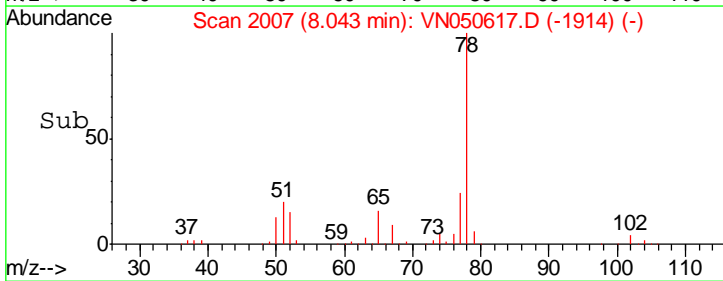
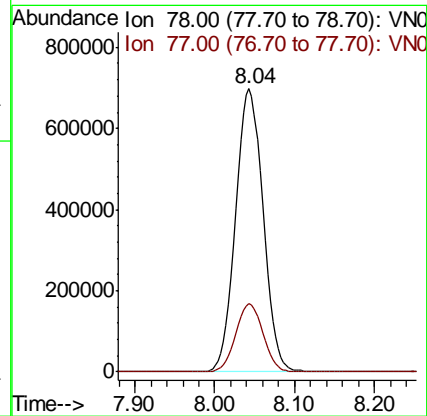
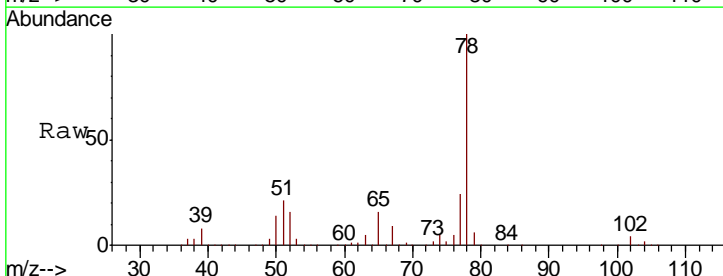
Tgt Ion	Resp	Lower	Upper
83	100		
55	75.6	60.6	91.0
98	45.9	37.0	55.4

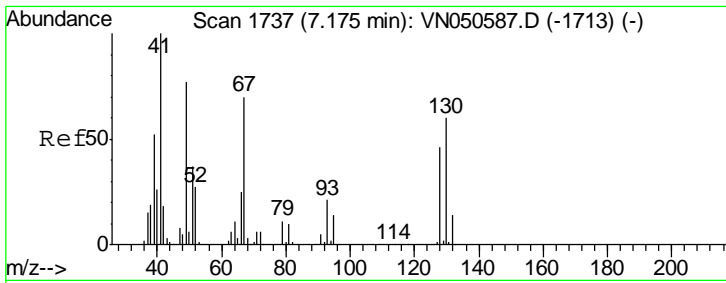
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#40
 Benzene
 Concen: 50.78 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
78	100		
77	24.0	19.0	28.6





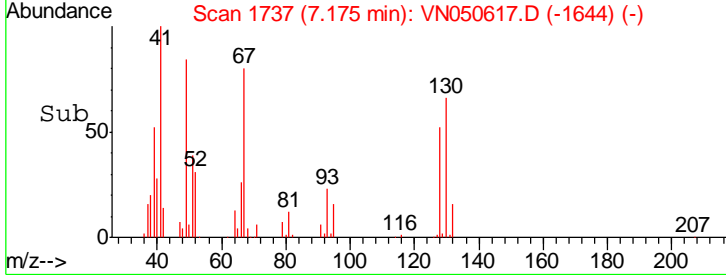
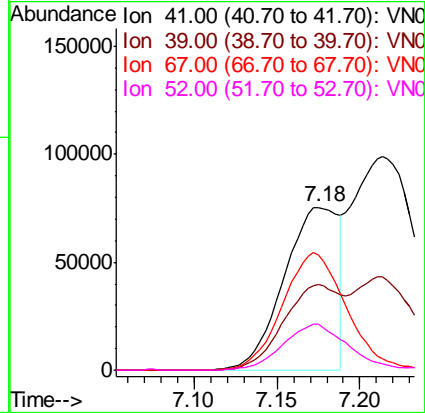
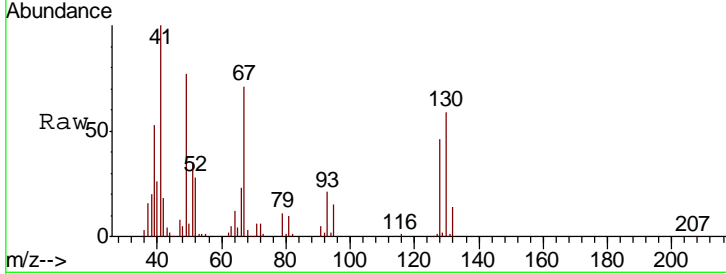
#41
 Methacrylonitrile
 Concen: 54.03 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
41	100		
39	55.9	44.6	66.8
67	84.9	66.7	100.1
52	33.4	26.5	39.7

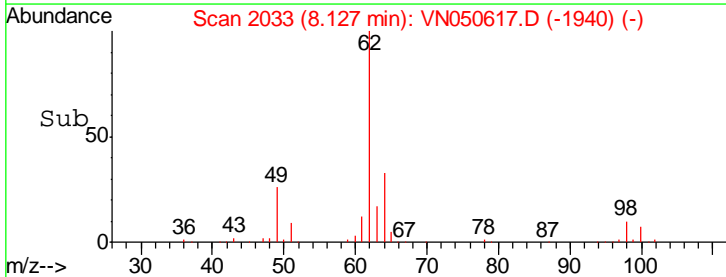
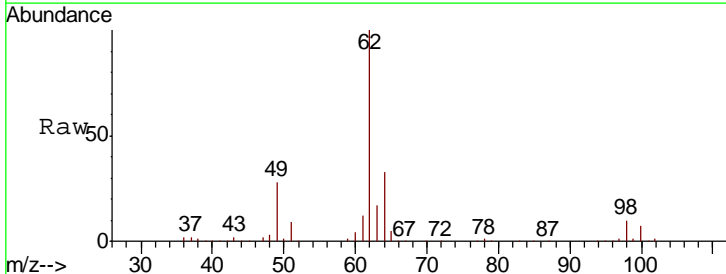
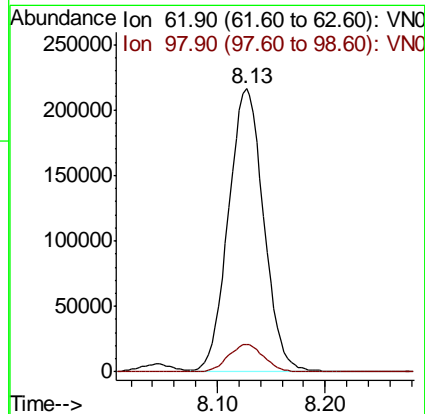
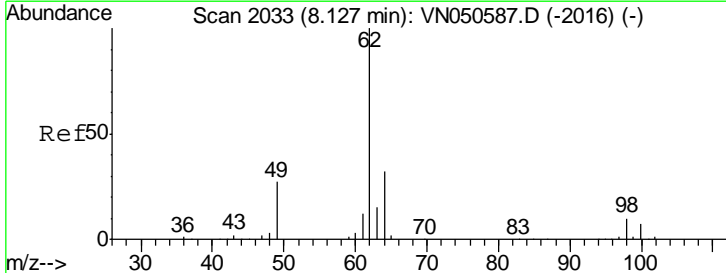
Manual Integrations
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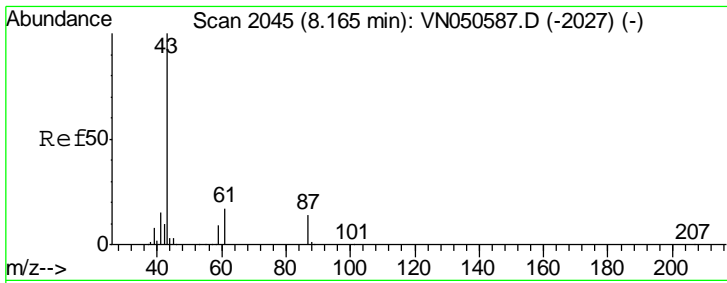
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#42
 1,2-Dichloroethane
 Concen: 50.11 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.9	0.0	19.4



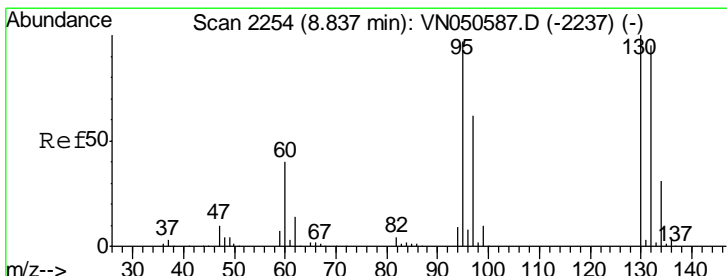
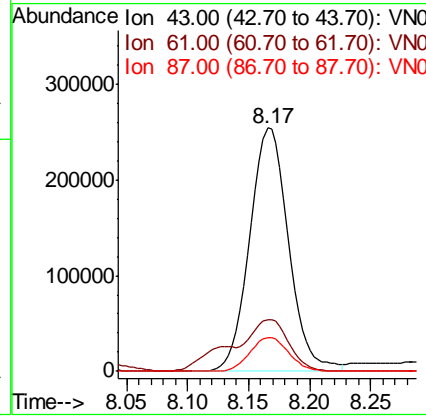
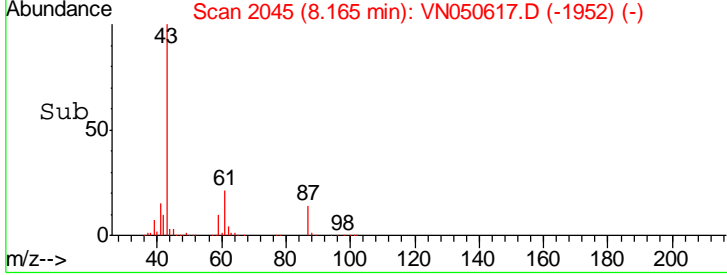
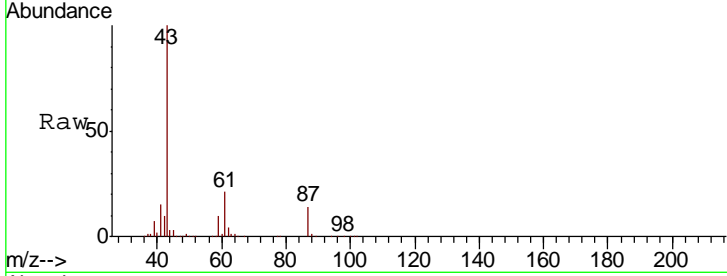


#43
 Isopropyl Acetate
 Concen: 51.67 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.8	16.2	24.2
87	13.9	10.9	16.3

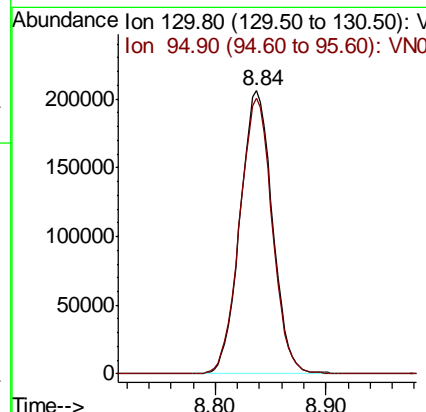
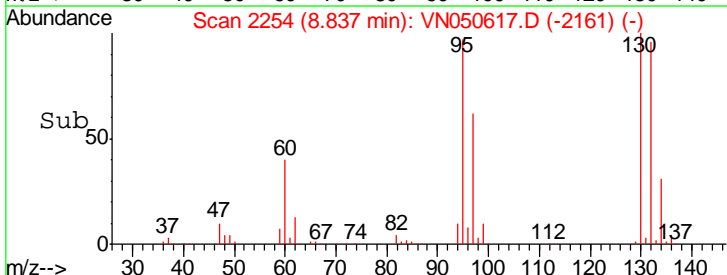
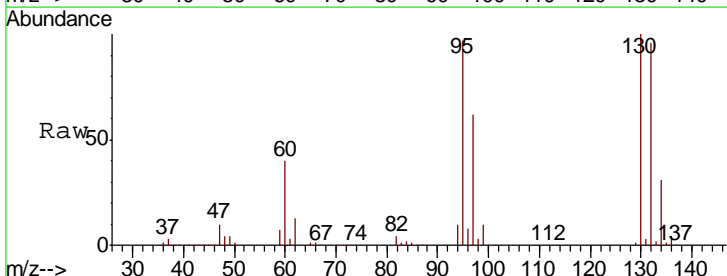
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

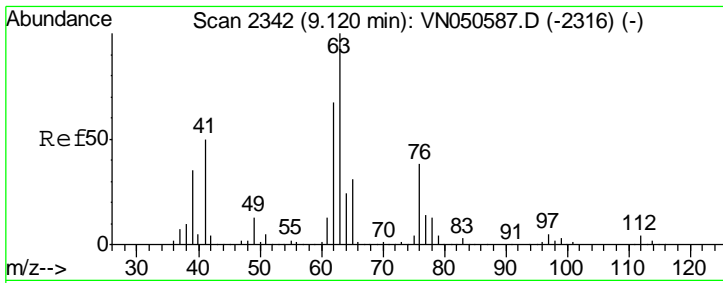
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#44
 Trichloroethene
 Concen: 48.91 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
130	100		
95	97.4	0.0	193.8



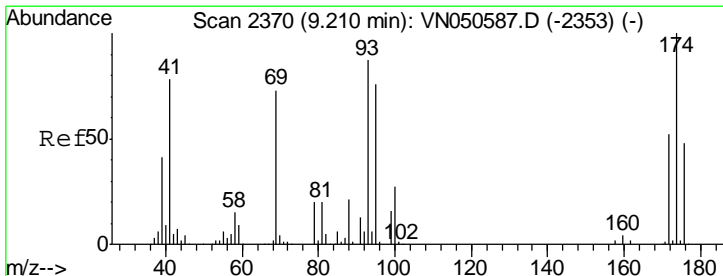
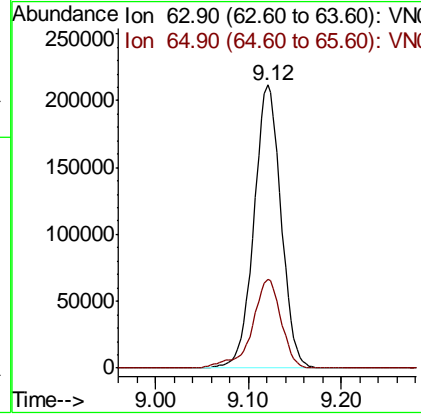
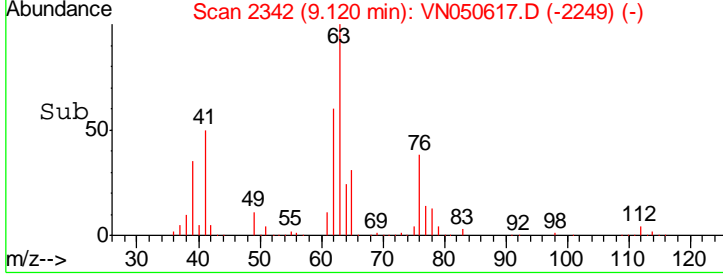
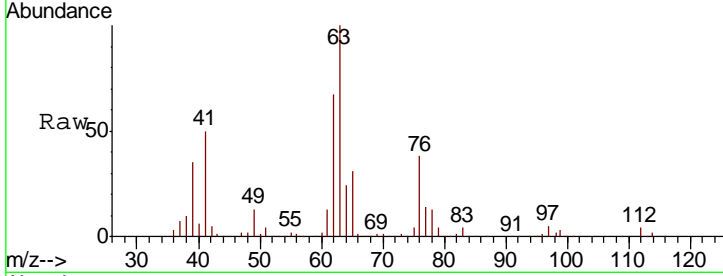


#45
 1,2-Dichloropropane
 Concen: 50.42 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.3	24.5	36.7

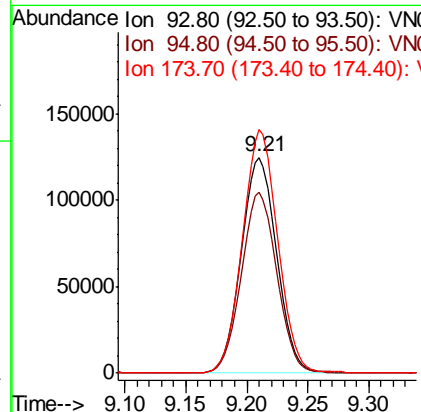
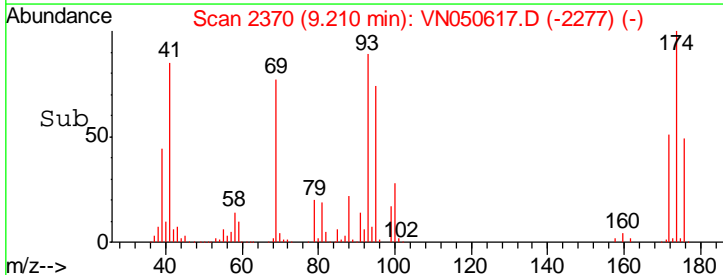
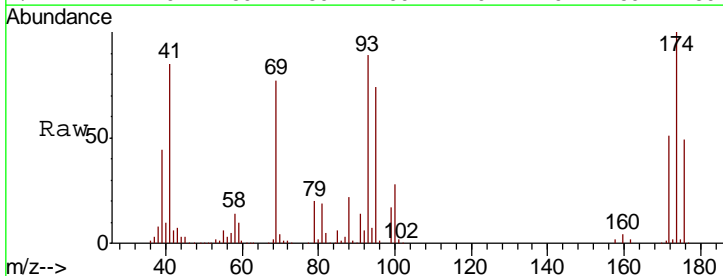
Instrument : MSVOA_N
 Client Sampled : VSTDC0050

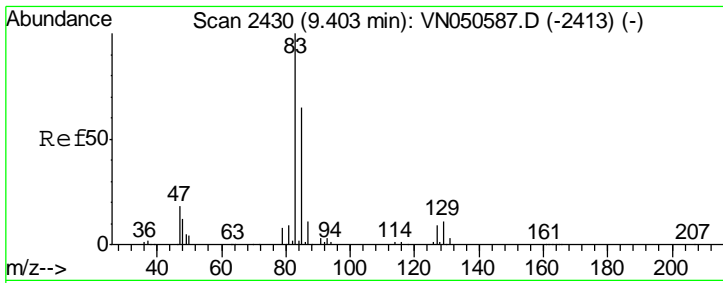
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:32:16 PM



#46
 Dibromomethane
 Concen: 49.93 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.9	69.1	103.7
174	112.4	91.0	136.6



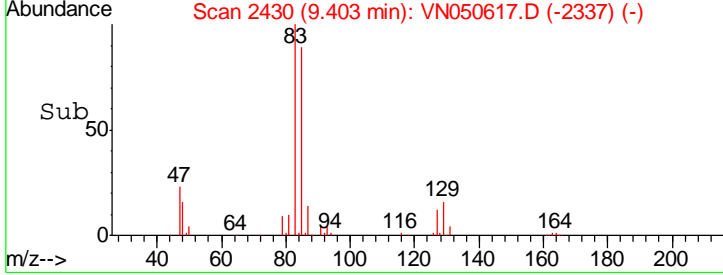
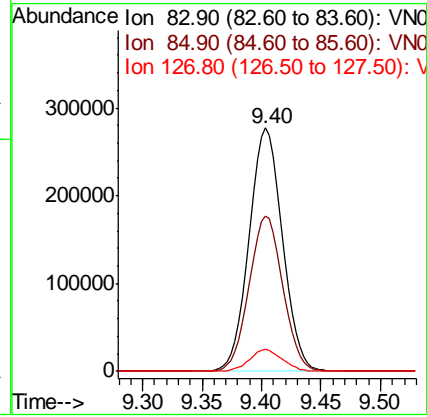
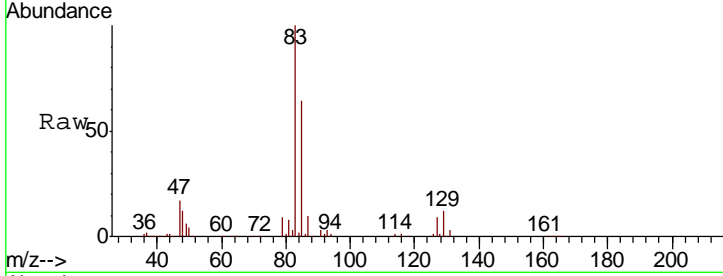


#47
 Bromodichloromethane
 Concen: 50.21 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

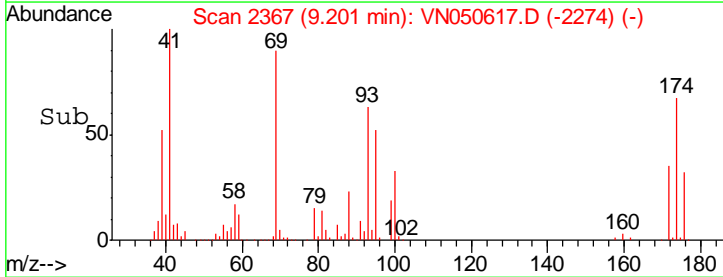
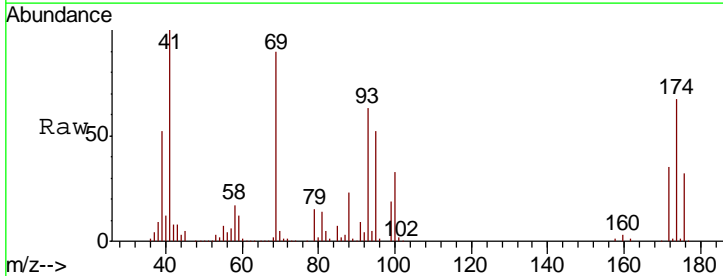
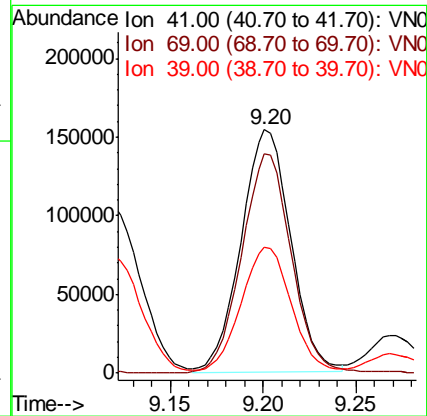
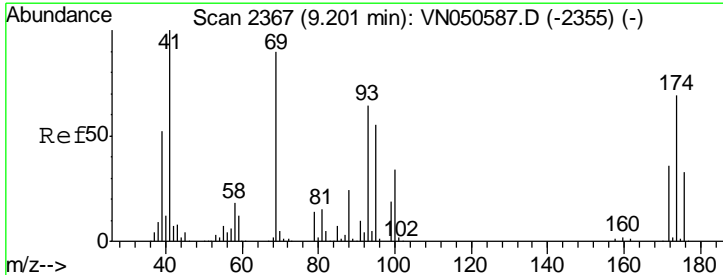
Tgt Ion	Resp	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	8.9	7.2	10.8

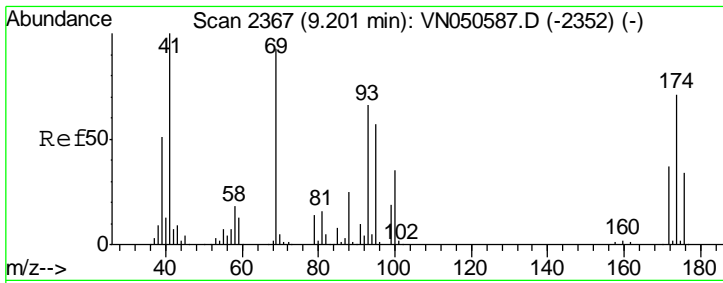
Manual Integrations
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 8/15/2018 3:32:16 PM



#48
 Methyl methacrylate
 Concen: 52.67 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
41	100		
69	91.1	73.4	110.0
39	52.6	43.0	64.6





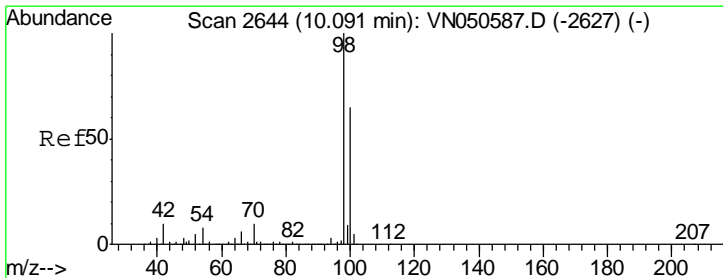
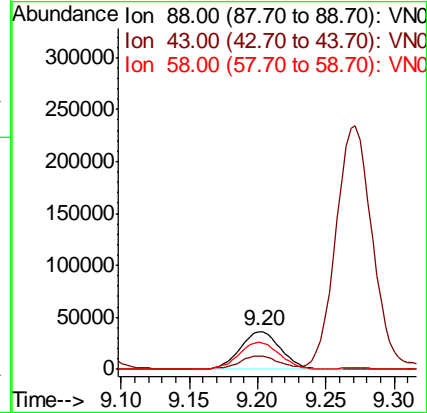
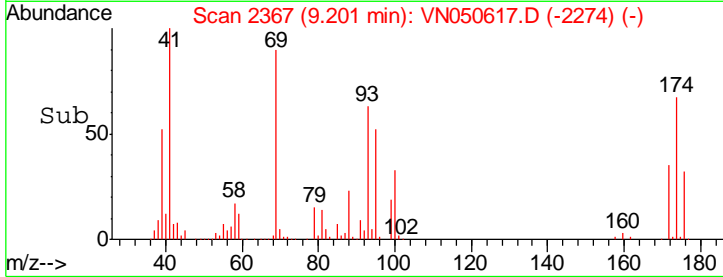
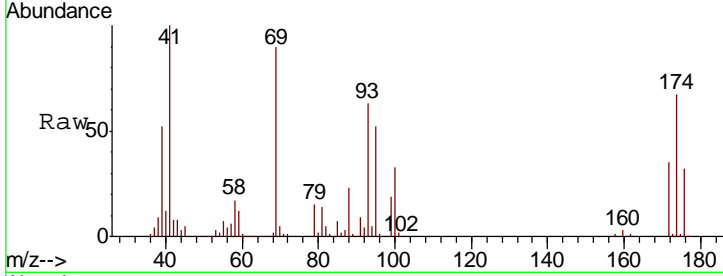
#49
 1,4-Dioxane
 Concen: 1053.15 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.9	38.9
58	71.5	56.5	84.7

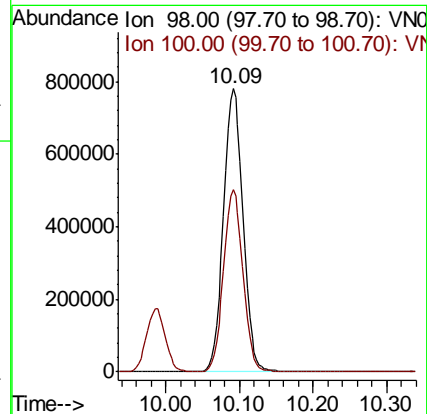
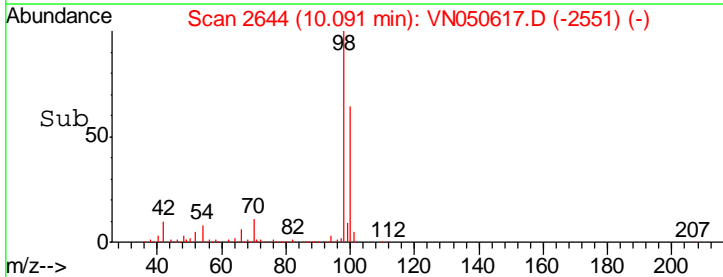
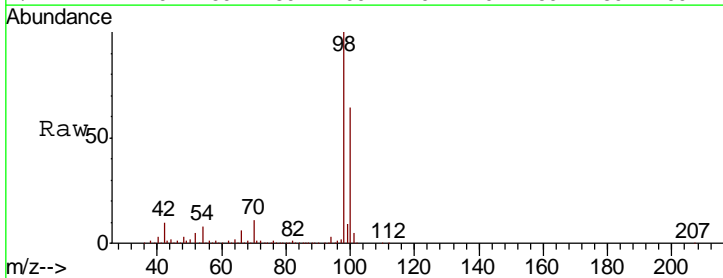
Manual Integrations
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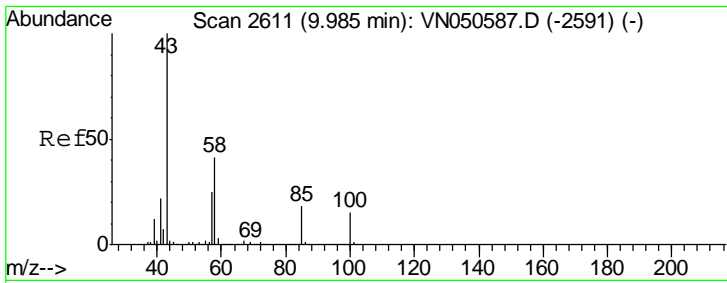
MMDadoda
 8/15/2018 3:32:16 PM



#50
 Toluene-d8
 Concen: 50.79 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.8	77.8





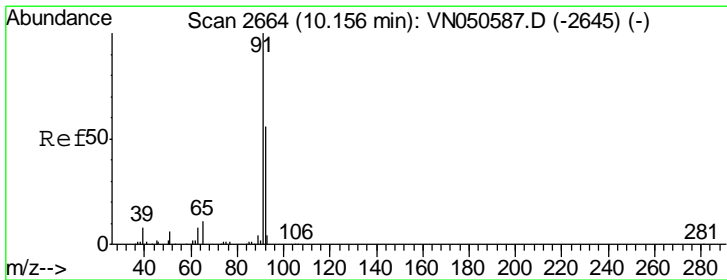
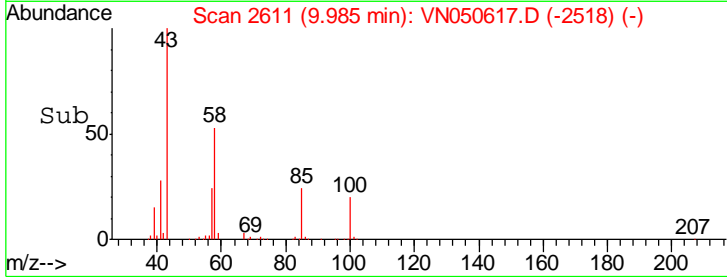
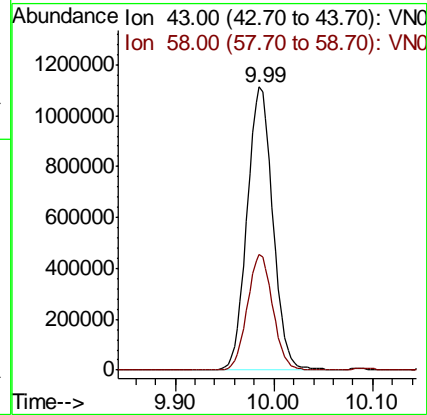
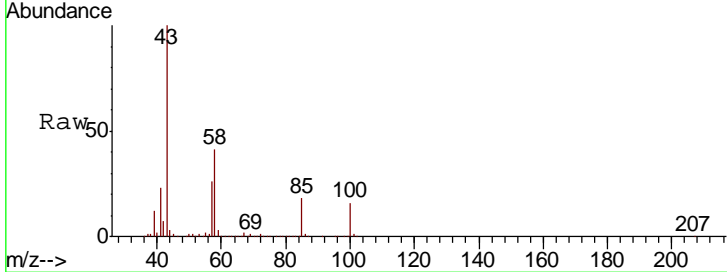
#51
 4-Methyl-2-Pentanone
 Concen: 274.43 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 2007436

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.5	48.7

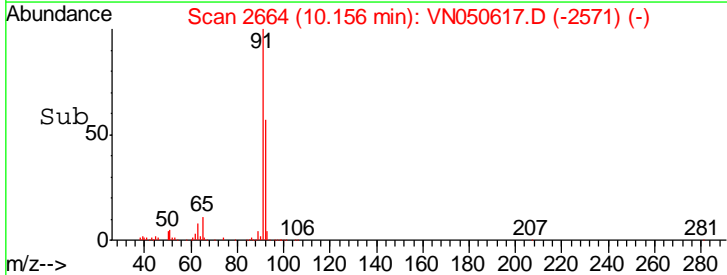
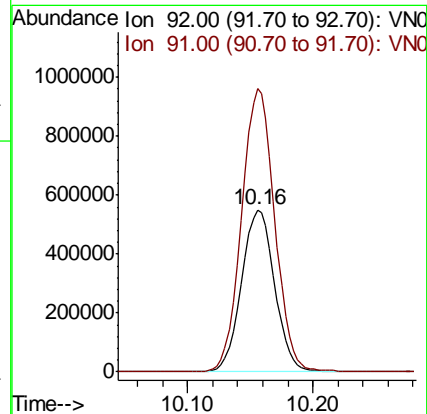
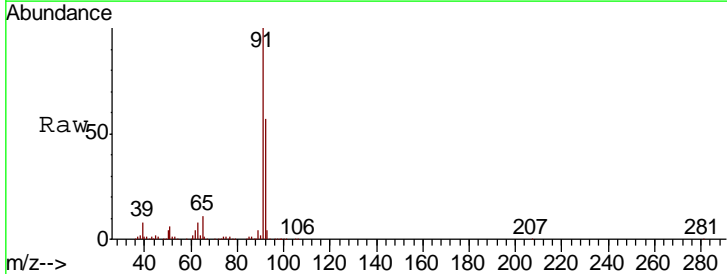
Manual Integrations
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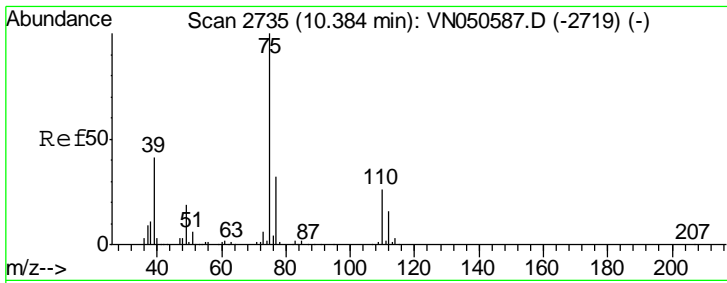


#52
 Toluene
 Concen: 52.79 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion: 92 Resp: 1006815

Ion	Ratio	Lower	Upper
92	100		
91	175.6	141.9	212.9



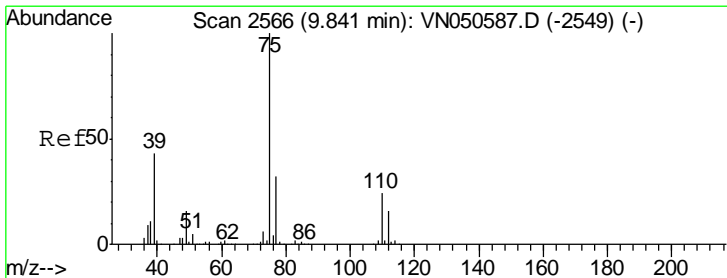
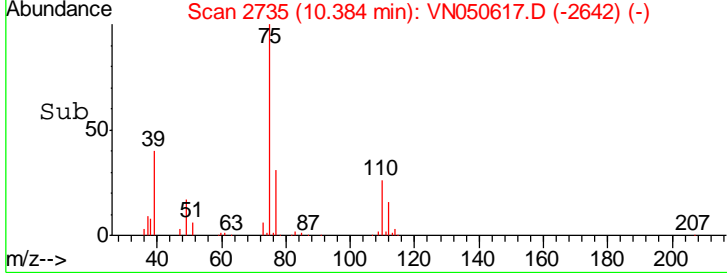
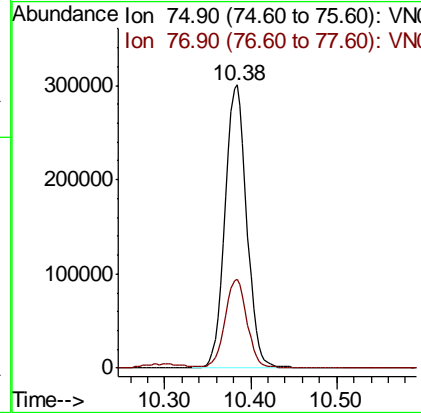
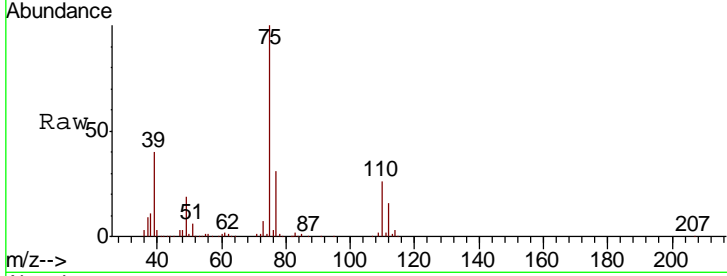


#53
 t-1,3-Dichloropropene
 Concen: 52.90 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

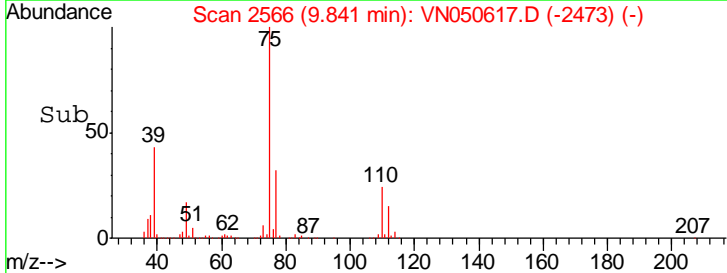
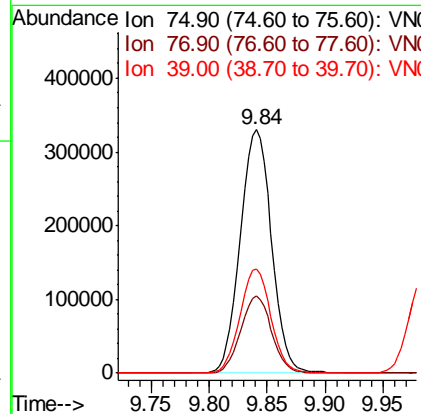
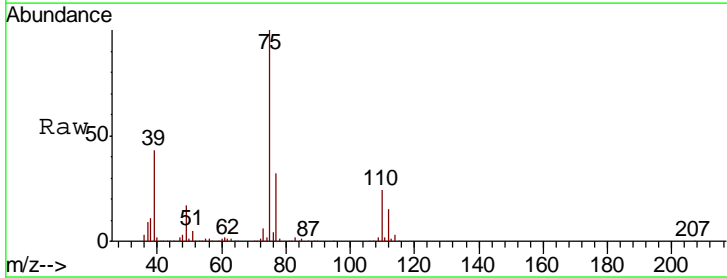
Tgt Ion	Resp	Lower	Upper
75	528805		
75	100		
77	31.2	25.8	38.6

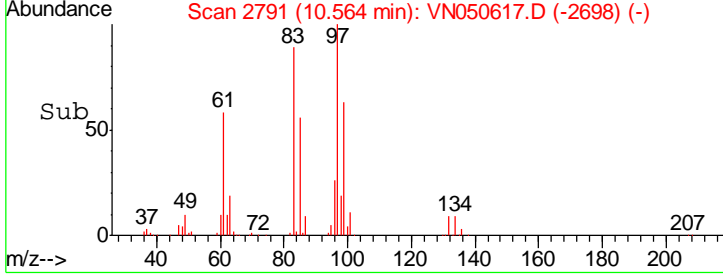
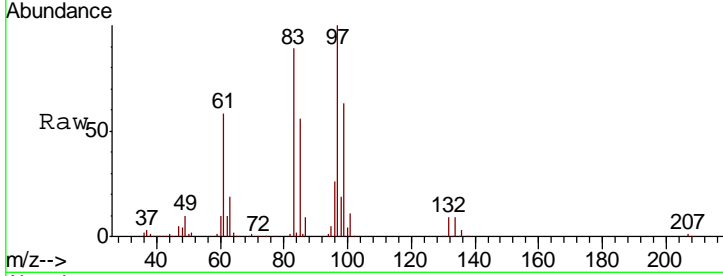
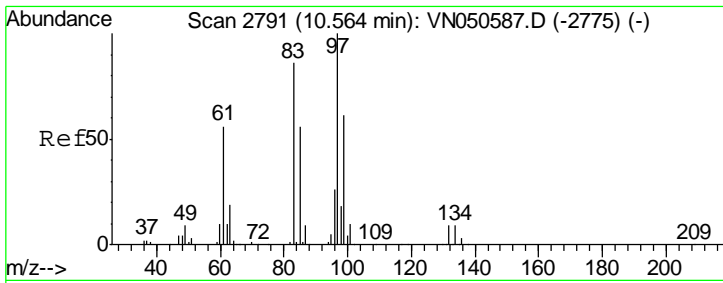
Manual Integrations
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 MMDadoda
 8/15/2018 3:32:16 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.84 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
75	617403		
75	100		
77	31.6	25.6	38.4
39	42.9	34.4	51.6



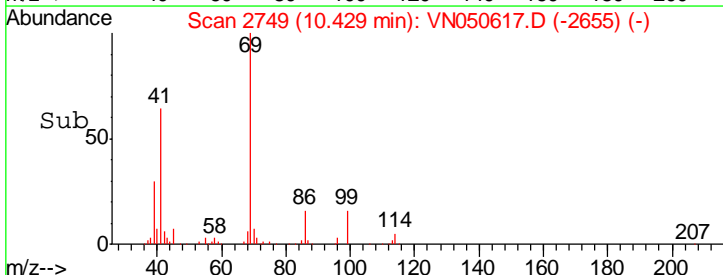
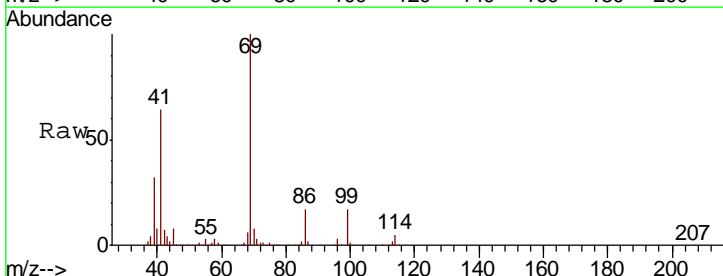
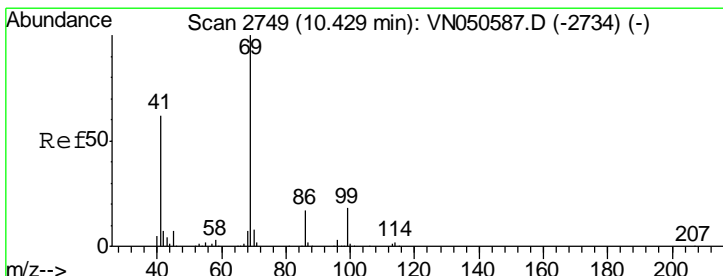
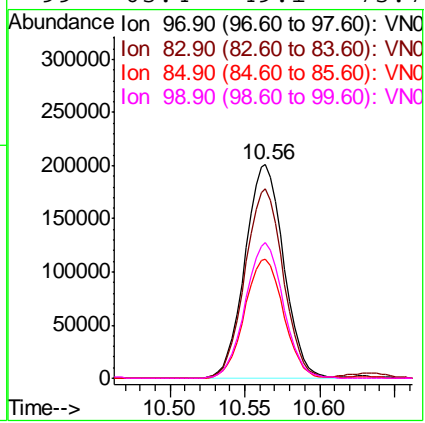


#55
 1,1,2-Trichloroethane
 Concen: 50.75 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
97	361611		
97	100		
83	88.7	68.5	102.7
85	55.7	44.6	66.8
99	63.4	49.1	73.7

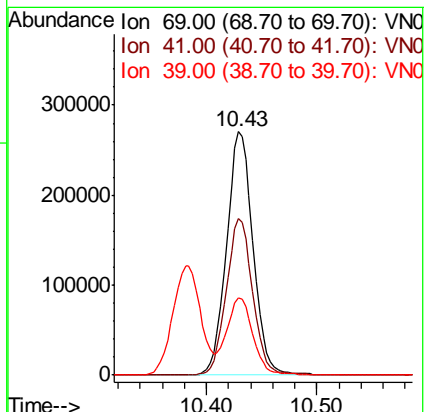
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

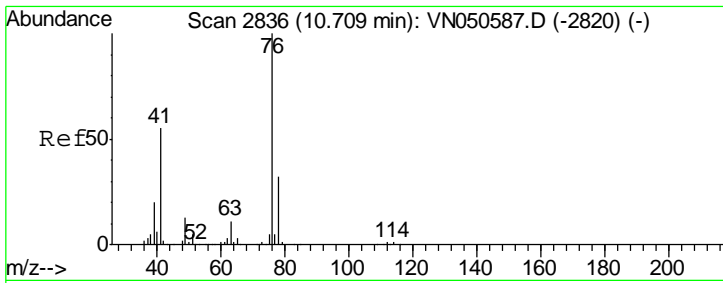
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:32:16 PM



#56
 Ethyl methacrylate
 Concen: 49.52 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
69	449919		
69	100		
41	63.4	49.7	74.5
39	31.9	24.2	36.2



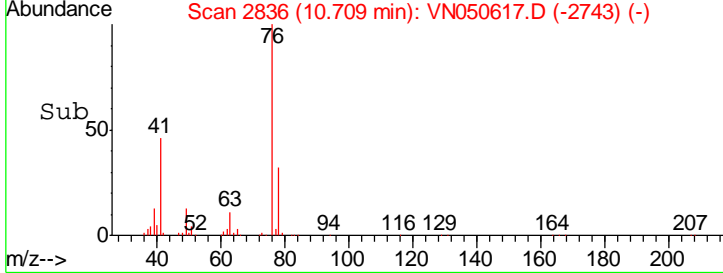
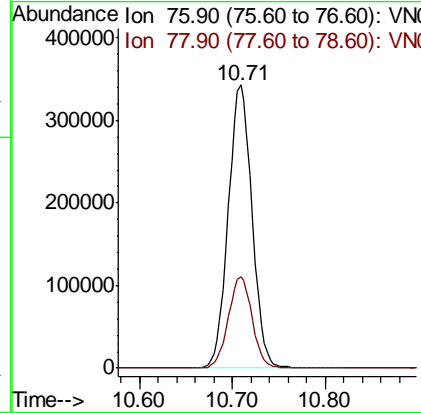
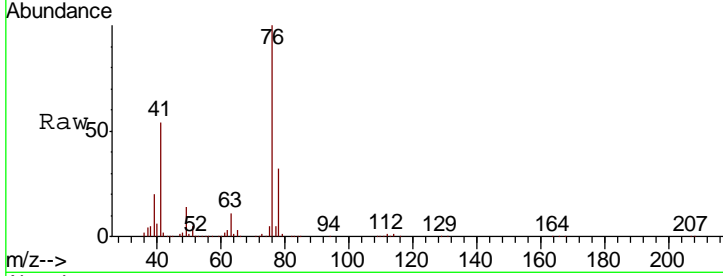


#57
 1,3-Dichloropropane
 Concen: 52.09 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

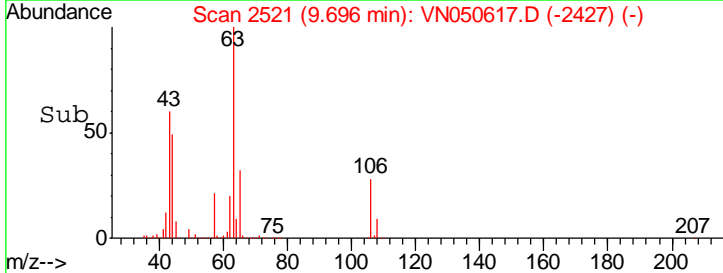
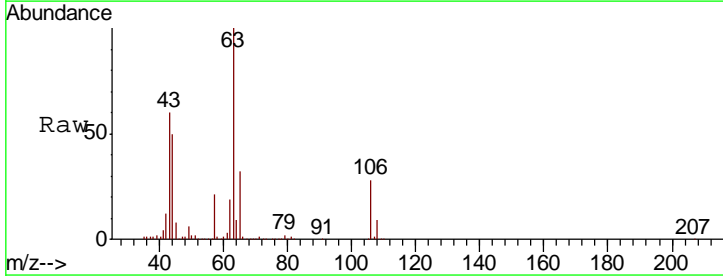
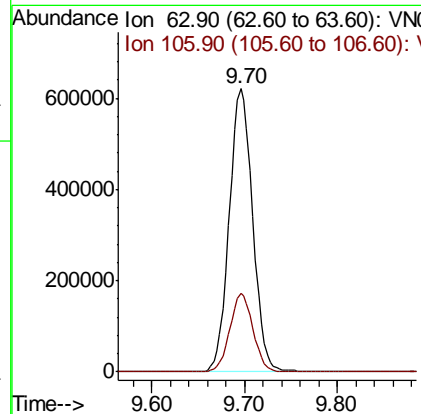
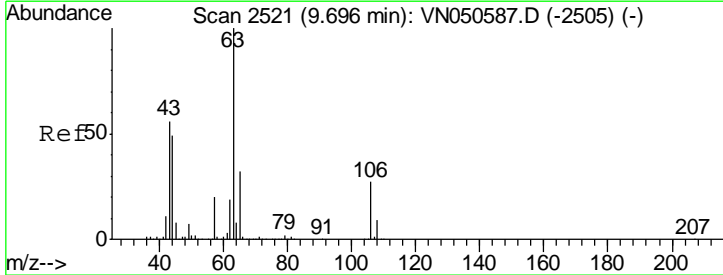
Tgt Ion	Resp	Lower	Upper
76	608485		
76	100		
78	32.4	25.8	38.6

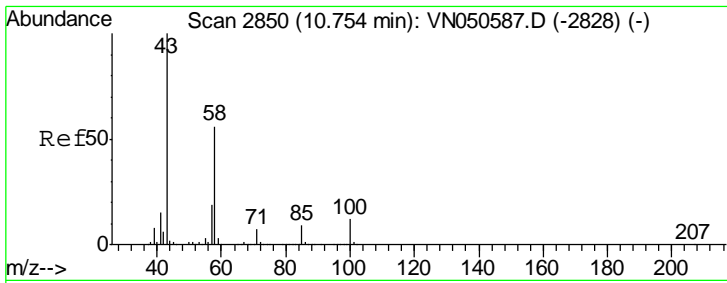
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 250.05 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
63	1088658		
63	100		
106	27.4	21.7	32.5





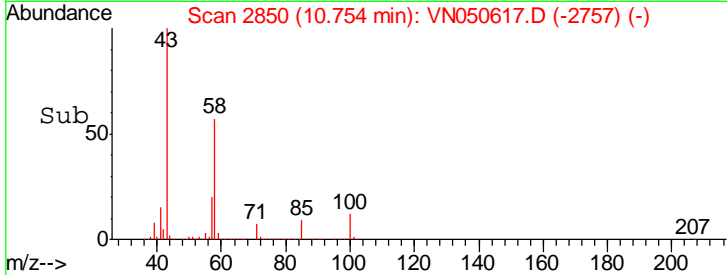
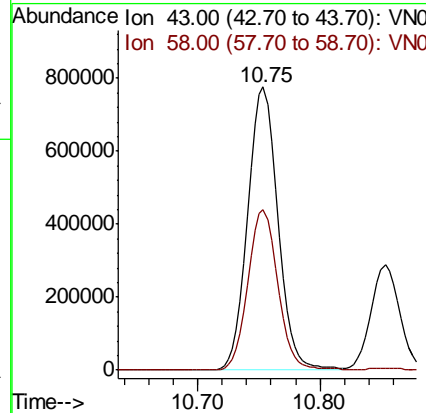
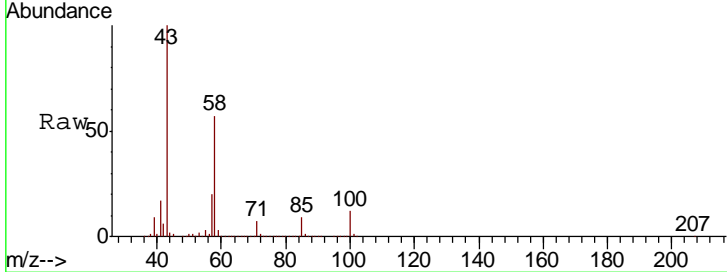
#59
 2-Hexanone
 Concen: 278.98 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 1317125

Ion	Ratio	Lower	Upper
43	100		
58	56.3	28.0	84.0

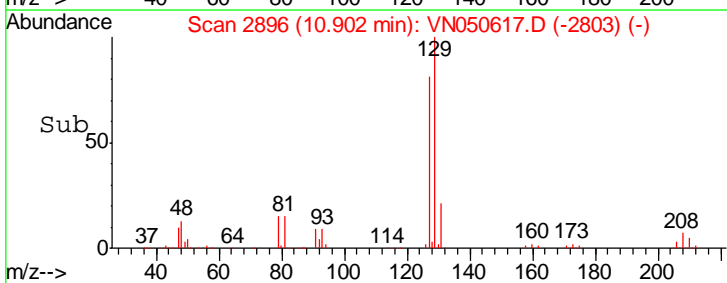
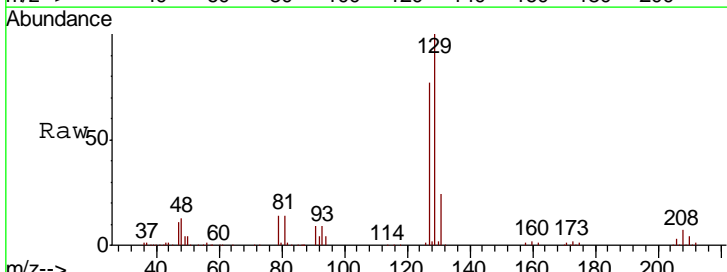
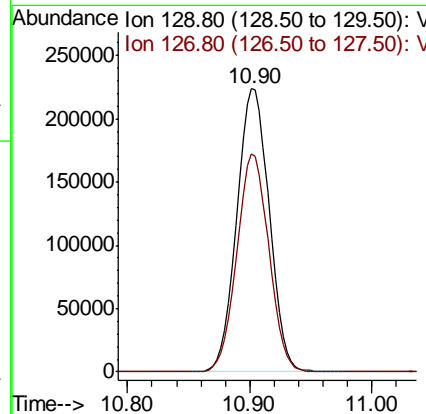
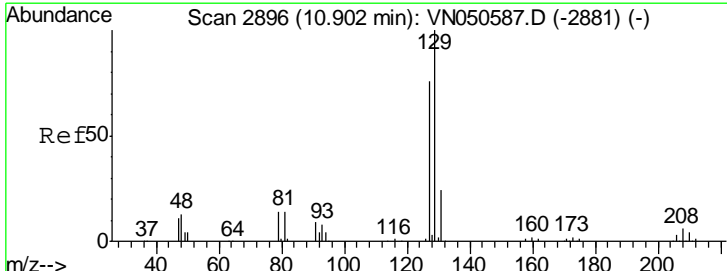
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:32:16 PM

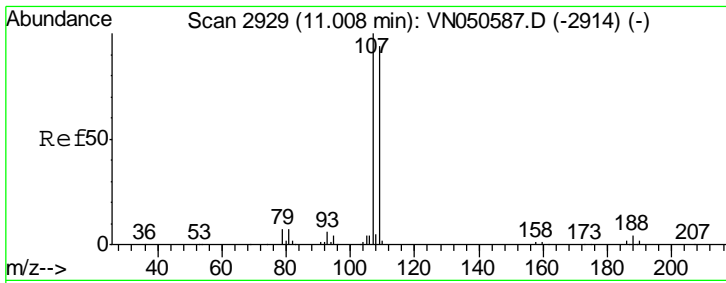


#60
 Dibromochloromethane
 Concen: 52.39 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion: 129 Resp: 411966

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.9	116.7





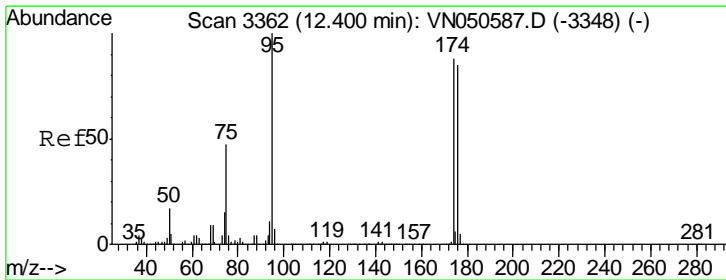
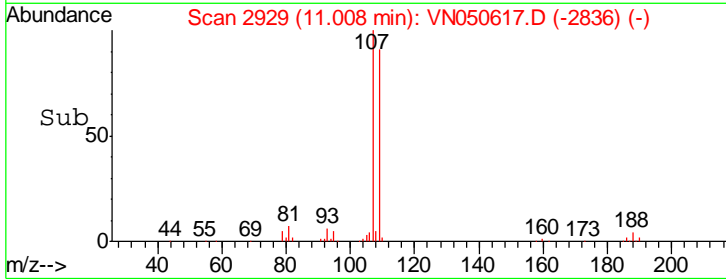
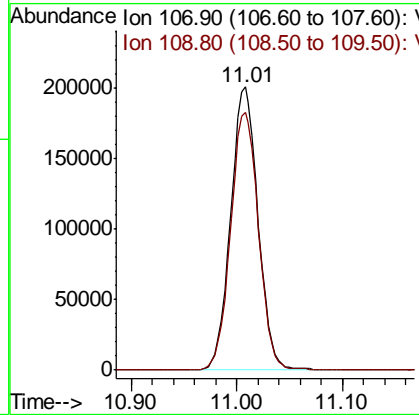
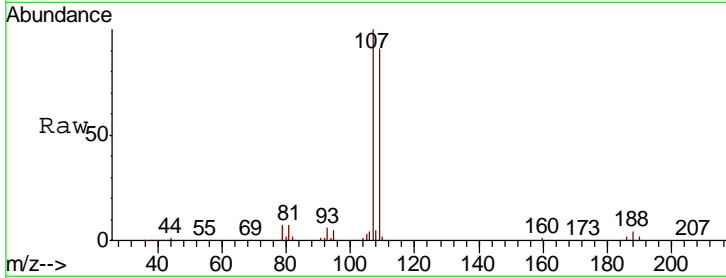
#61
 1,2-Dibromoethane
 Concen: 52.90 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
107	100		
109	93.0	75.7	113.5

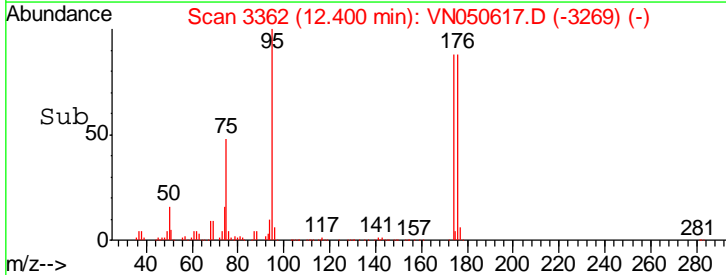
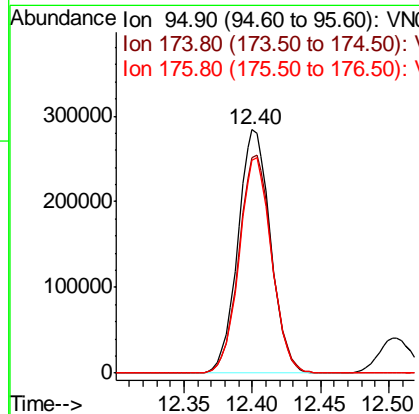
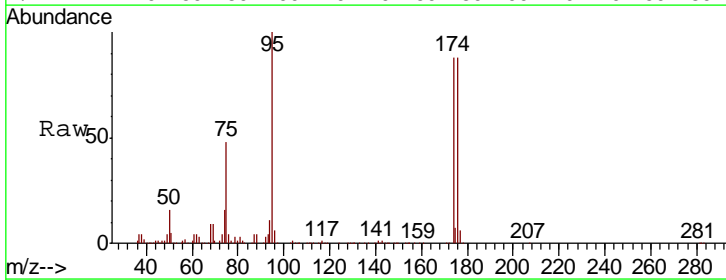
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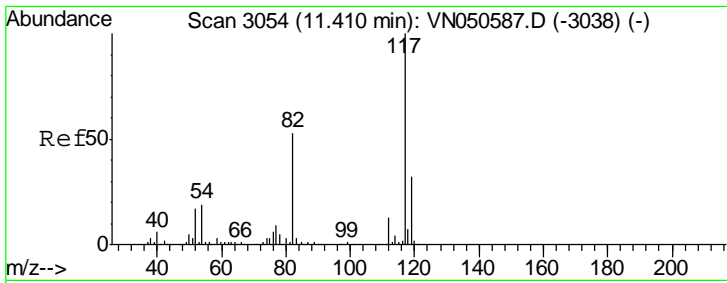
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 50.35 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

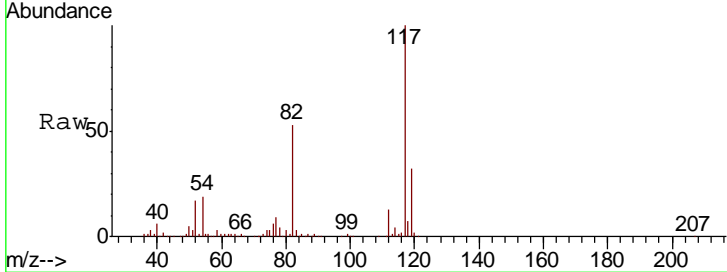
Tgt Ion	Resp	Lower	Upper
95	100		
174	90.1	0.0	177.8
176	87.6	0.0	175.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

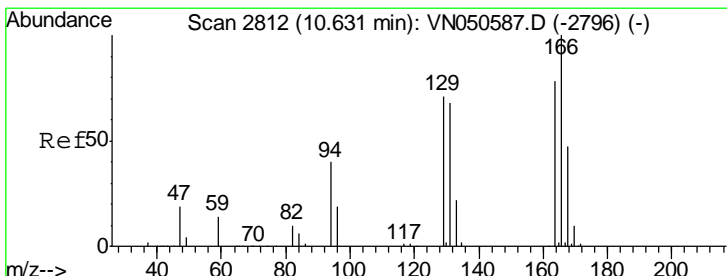
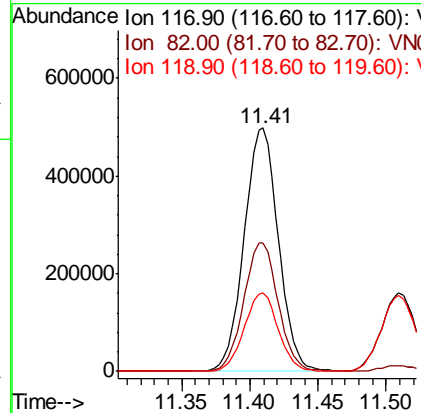
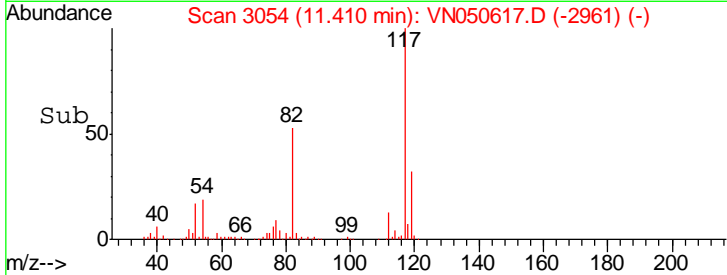
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050



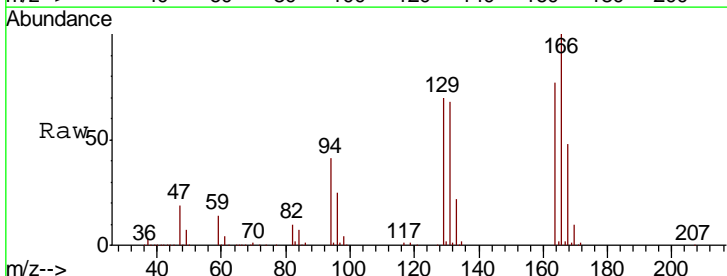
Tgt Ion: 117 Resp: 868131

Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.4	63.6
119	32.2	25.8	38.8

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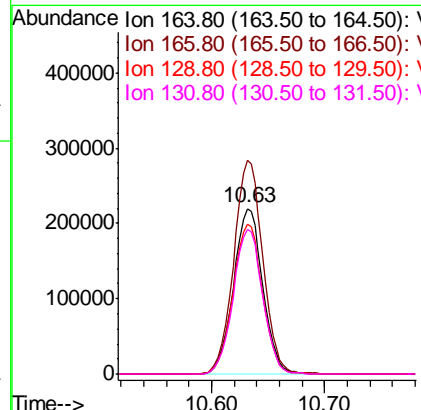
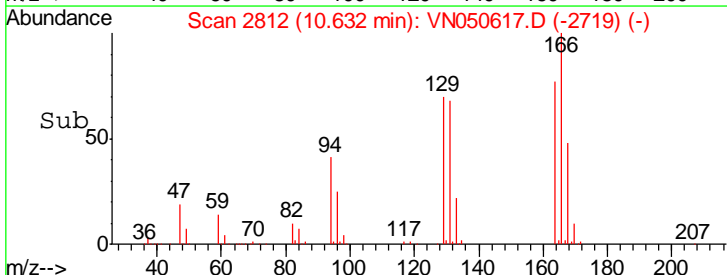


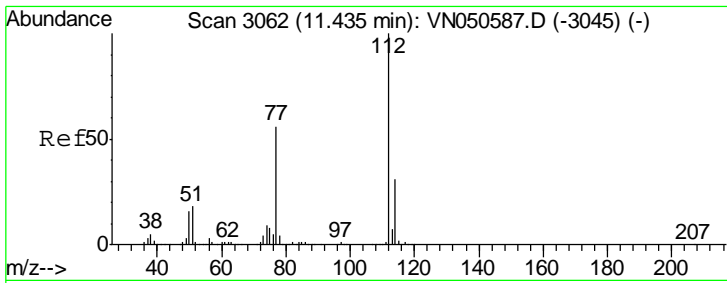
#64
 Tetrachloroethene
 Concen: 48.96 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46



Tgt Ion: 164 Resp: 394736

Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.1	153.1
129	90.7	72.7	109.1
131	87.3	69.9	104.9



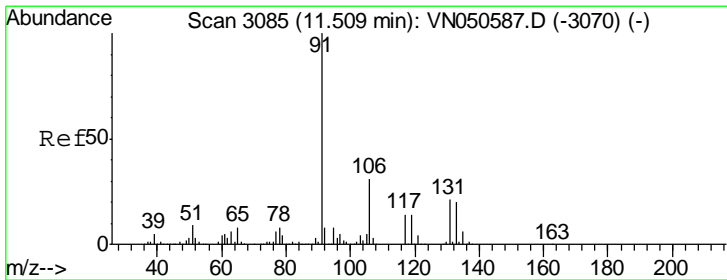
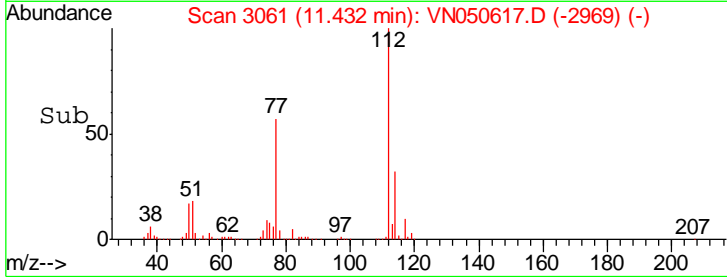
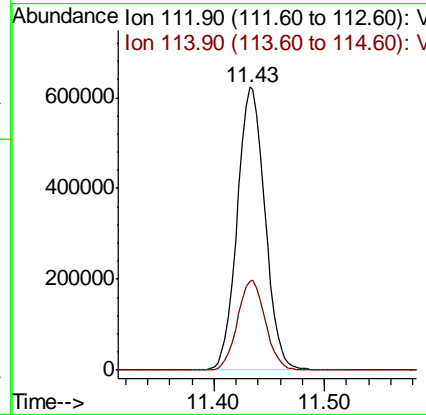
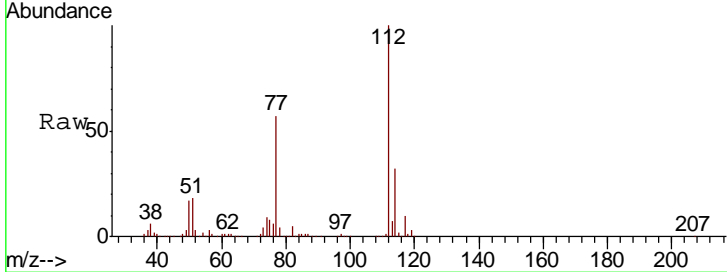


#65
 Chlorobenzene
 Concen: 50.36 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

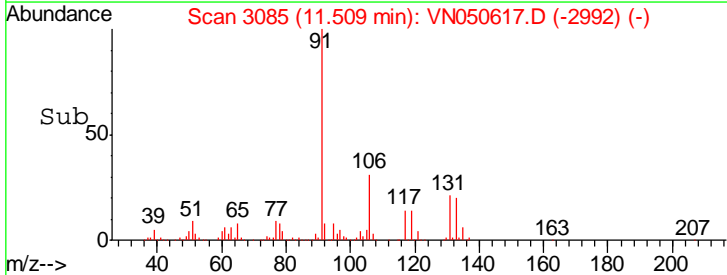
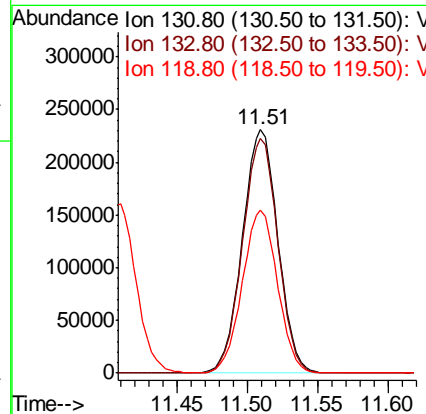
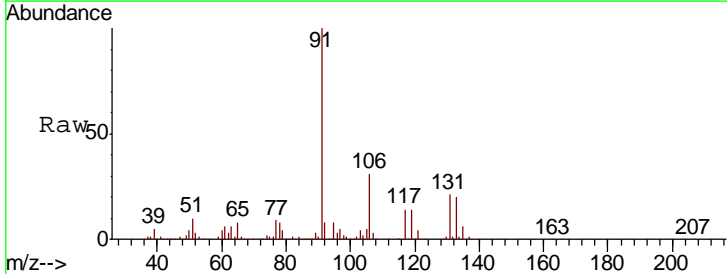
Tgt Ion	Resp	Lower	Upper
112	1088068		
114	31.6	25.2	37.8

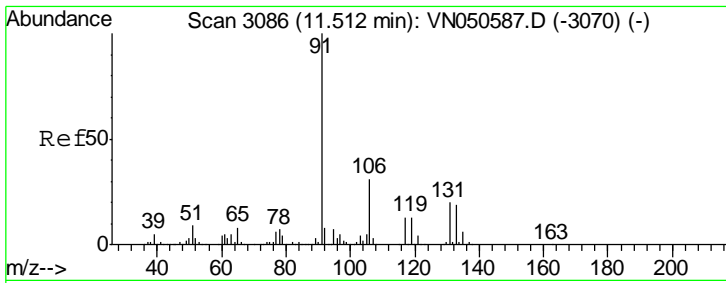
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.30 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
131	407401		
133	96.1	47.6	142.9
119	66.5	33.1	99.3





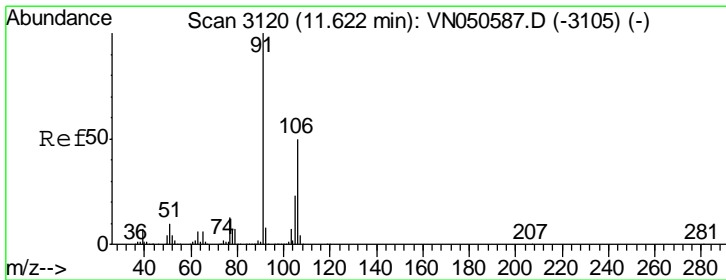
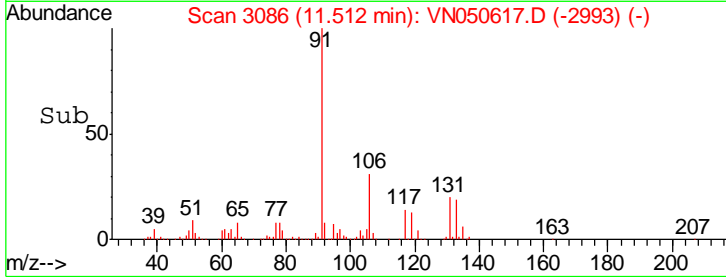
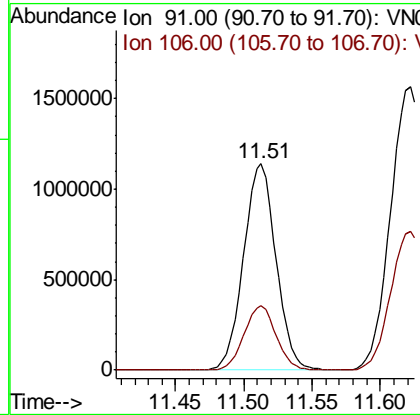
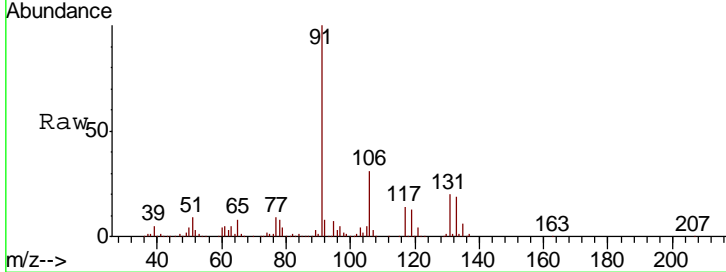
#67
Ethyl Benzene
Concen: 53.94 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
ClientSampled : VSTDCCC050

Tgt Ion: 91 Resp: 1881858

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.8	37.2

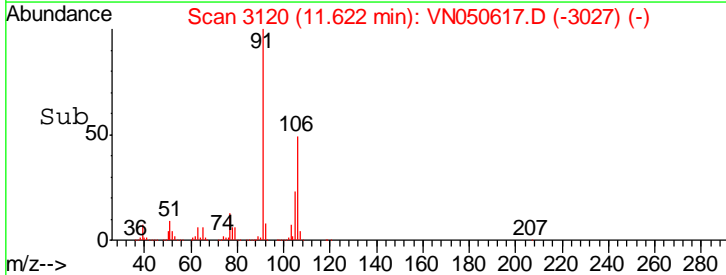
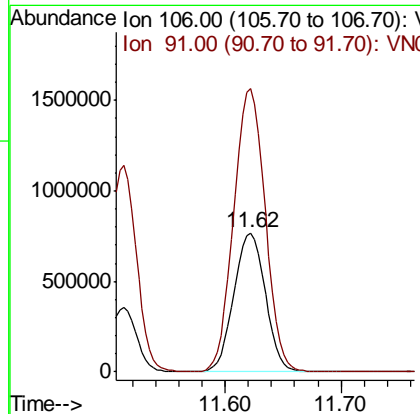
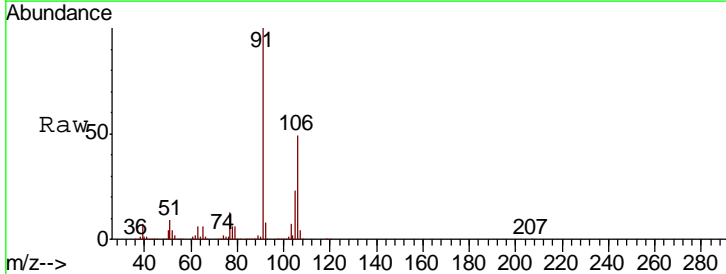
Manual Integrations
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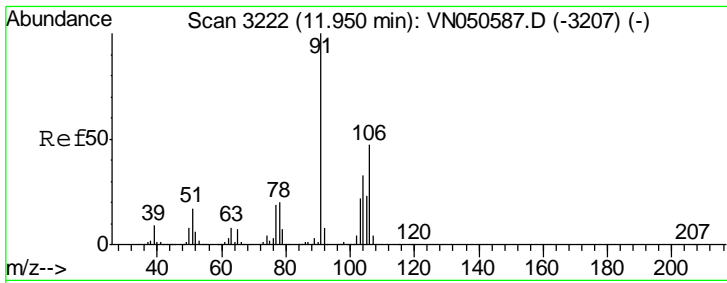


#68
m/p-Xylenes
Concen: 108.34 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050617.D
Acq: 14 Aug 2018 21:46

Tgt Ion: 106 Resp: 1445495

Ion	Ratio	Lower	Upper
106	100		
91	203.5	161.5	242.3



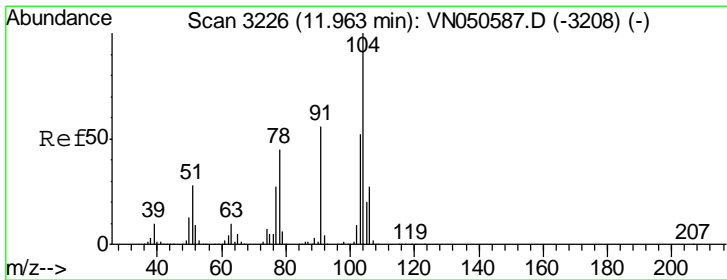
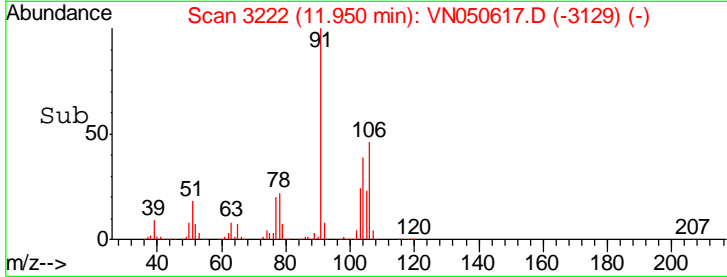
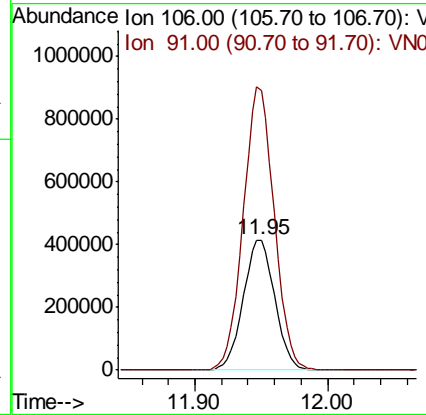
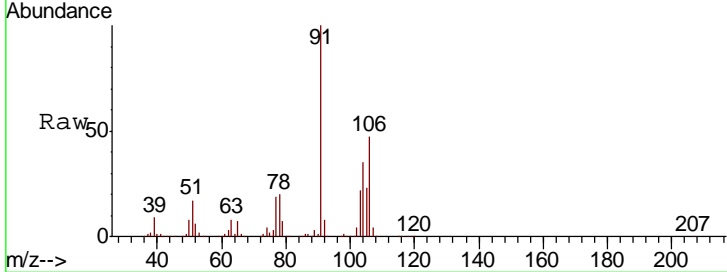


#69
 o-Xylene
 Concen: 53.80 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

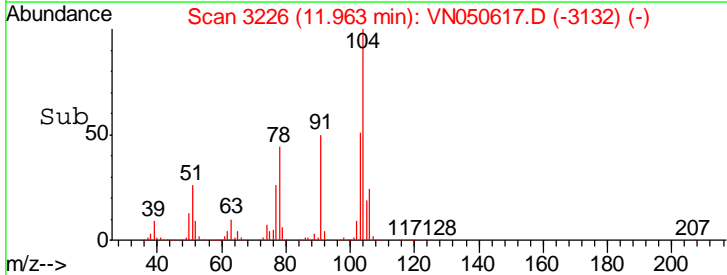
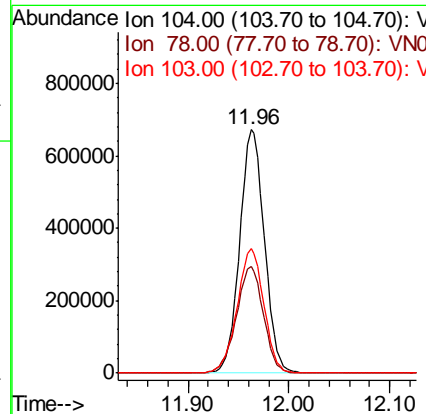
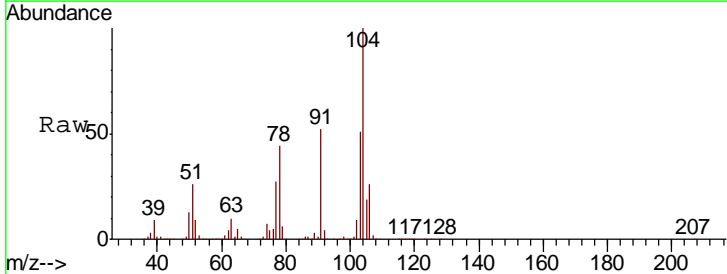
Tgt Ion	Resp	Lower	Upper
106	684528		
106	100		
91	213.8	106.8	320.4

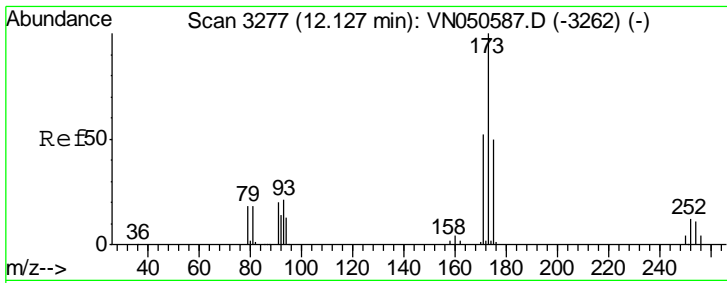
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#70
 Styrene
 Concen: 50.44 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
104	1141536		
104	100		
78	48.3	39.1	58.7
103	55.6	44.9	67.3





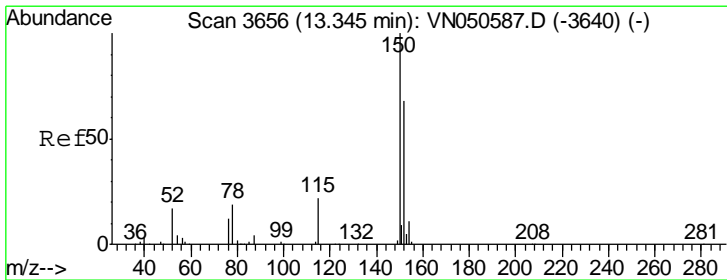
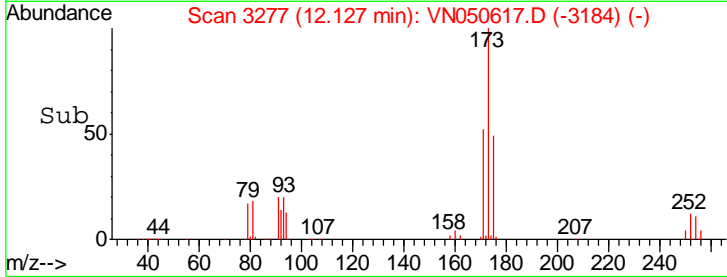
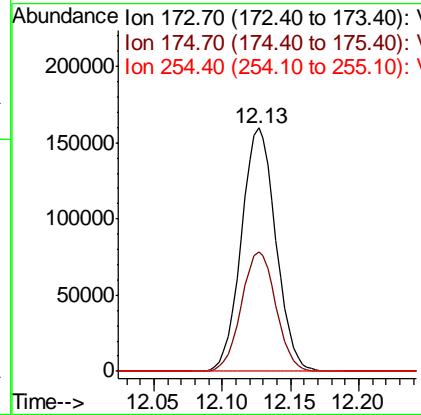
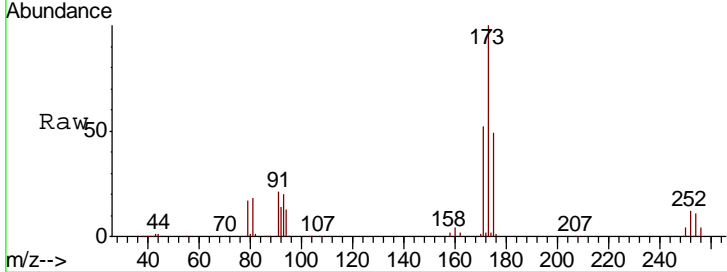
#71
 Bromoform
 Concen: 52.24 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.1	0.0	0.0

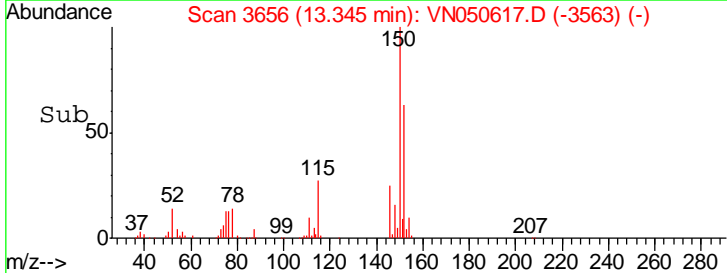
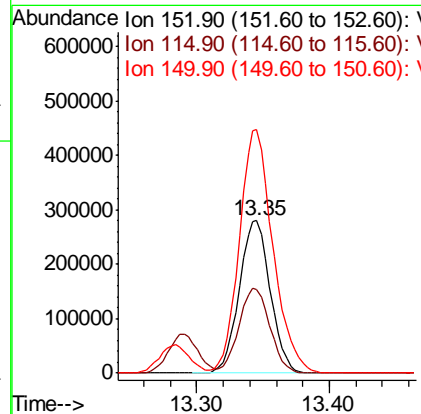
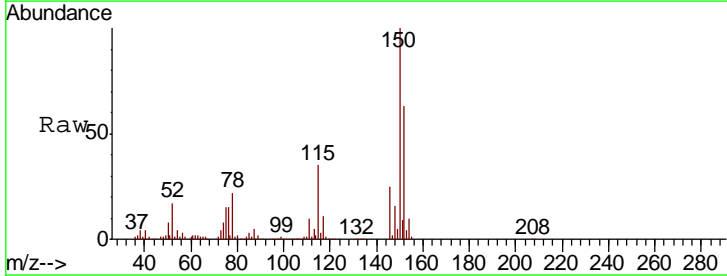
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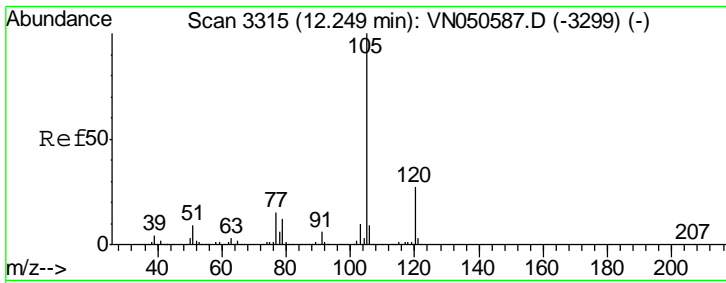
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.1	28.1	84.2
150	173.4	0.0	347.8





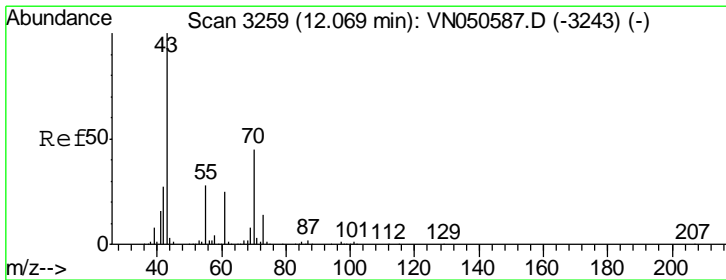
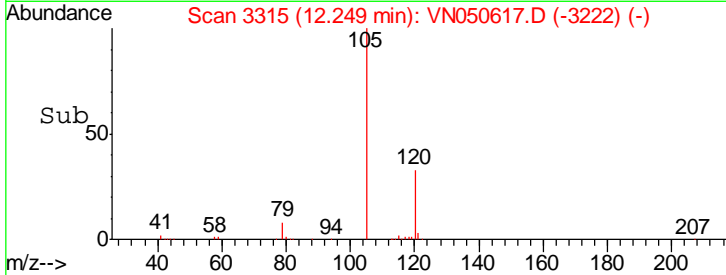
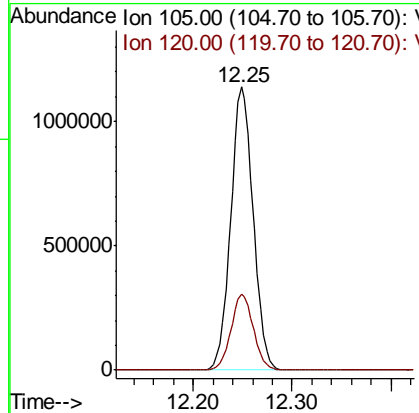
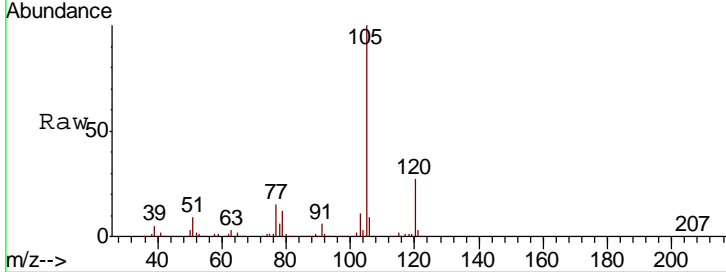
#73
 Isopropylbenzene
 Concen: 51.06 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 105 Resp: 1809565

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.1

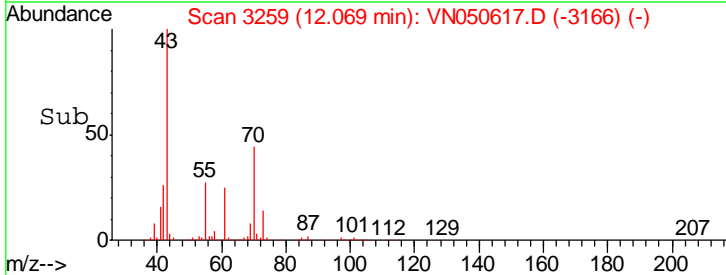
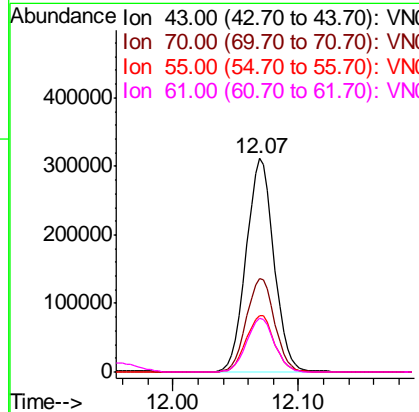
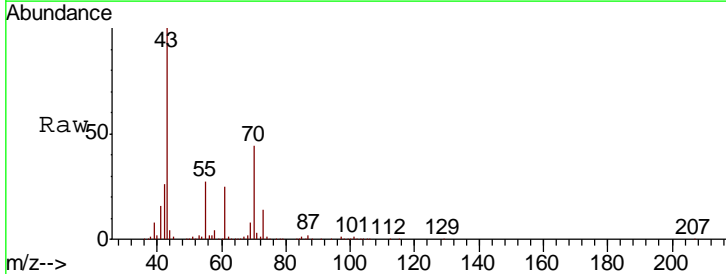
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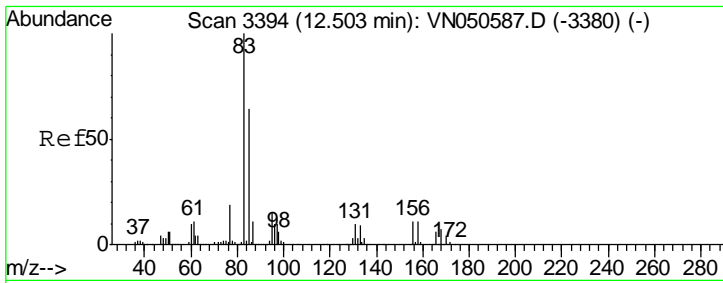


#74
 N-amyl acetate
 Concen: 51.93 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion: 43 Resp: 478797

Ion	Ratio	Lower	Upper
43	100		
70	44.8	35.9	53.9
55	27.2	22.2	33.4
61	25.2	20.0	30.0



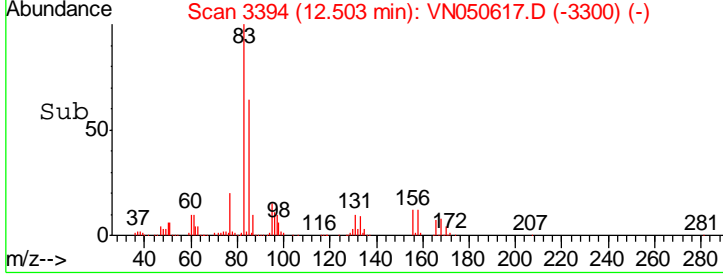
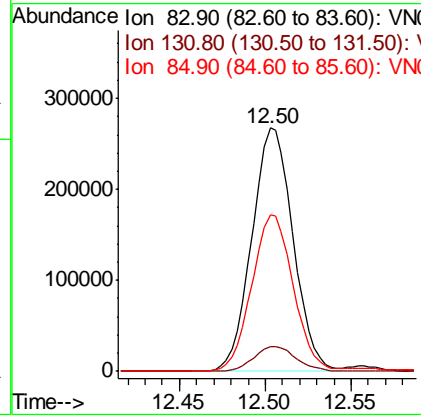
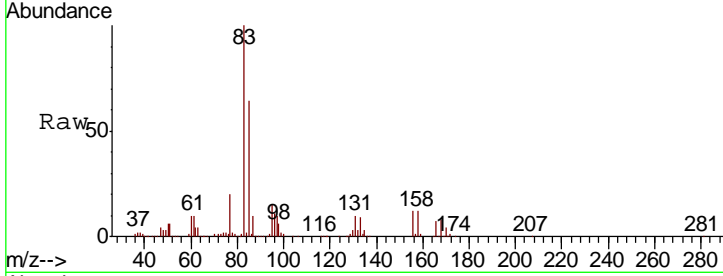


#75
 1,1,2,2-Tetrachloroethane
 Concen: 54.36 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

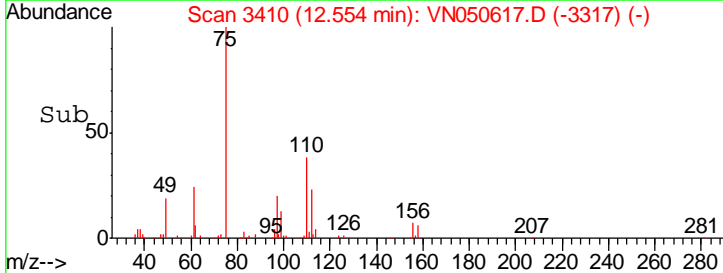
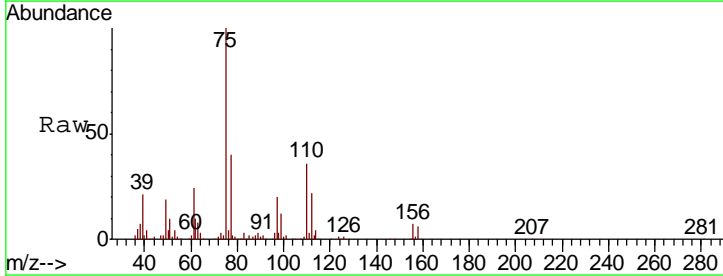
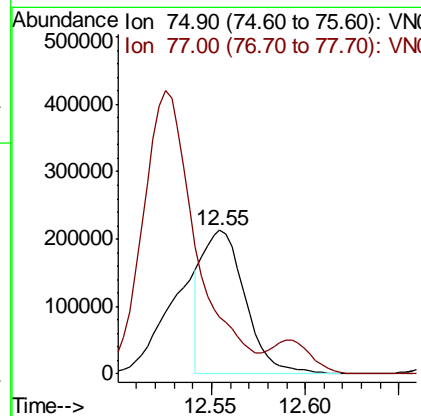
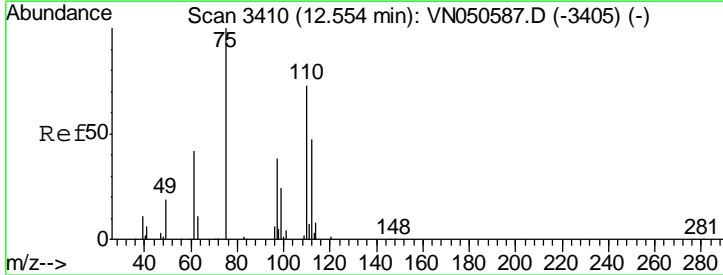
Tgt Ion	Resp	Lower	Upper
83	445590		
131	10.6	5.3	15.9
85	64.6	32.1	96.5

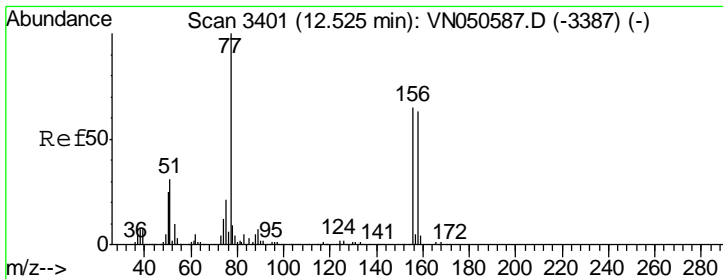
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#76
 1,2,3-Trichloropropane
 Concen: 45.79 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
75	336167		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.24 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050617.D

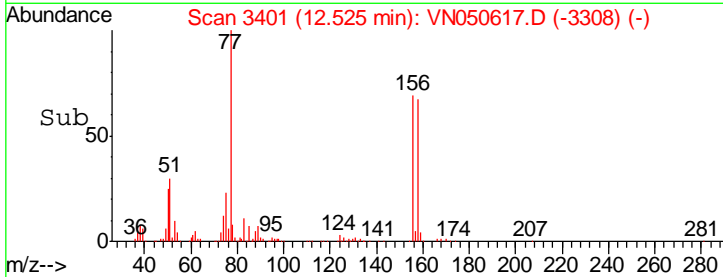
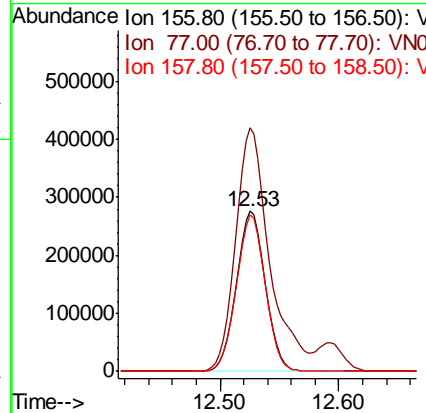
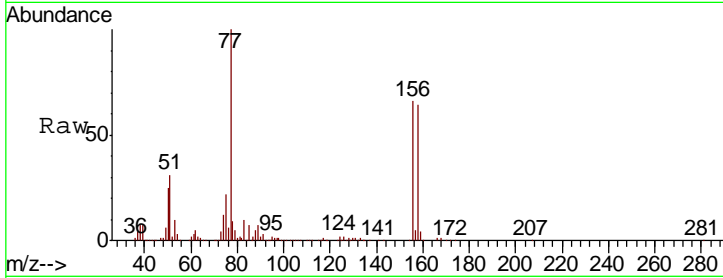
Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
156	464111		
77	179.4	89.0	267.1
158	97.7	48.5	145.6

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#78

n-propylbenzene

Concen: 52.78 ug/l

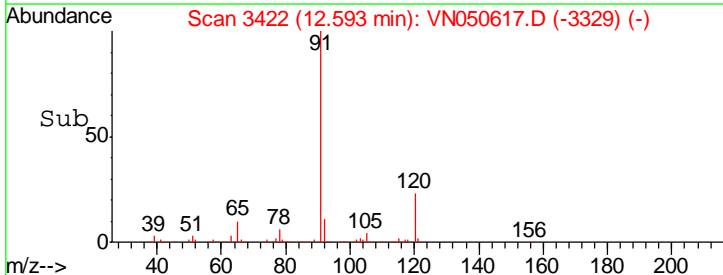
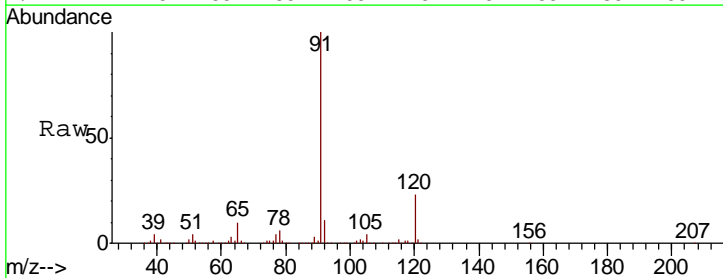
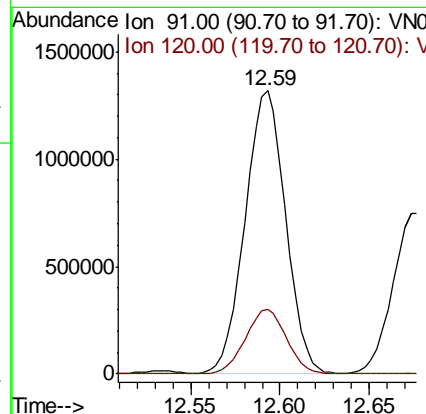
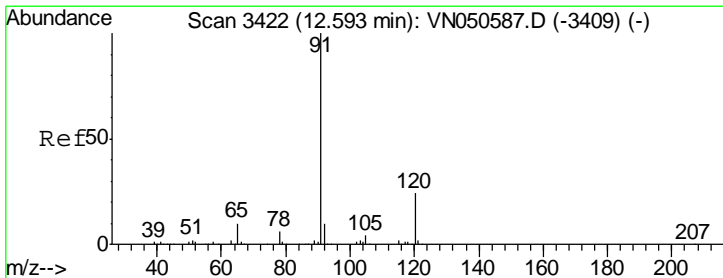
RT: 12.59 min Scan# 3422

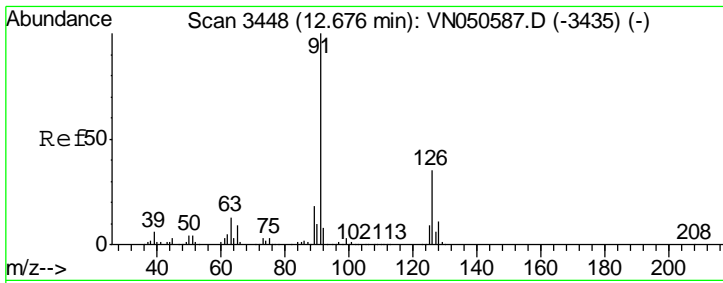
Delta R.T. 0.00 min

Lab File: VN050617.D

Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
91	2085815		
120	23.1	11.8	35.4





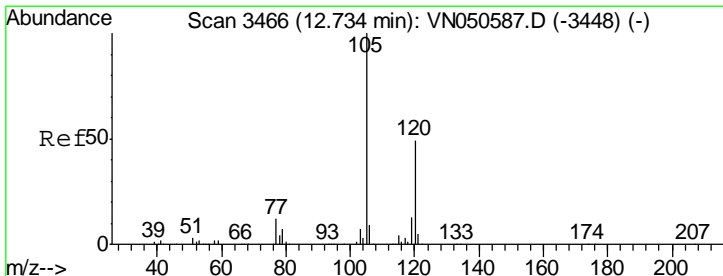
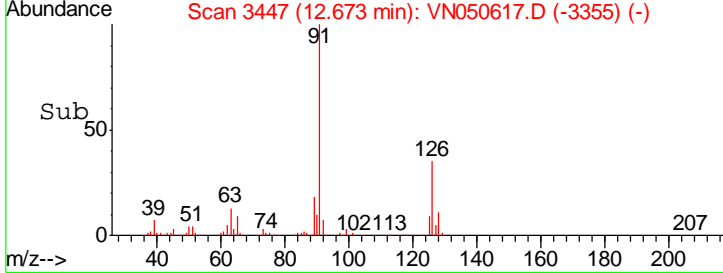
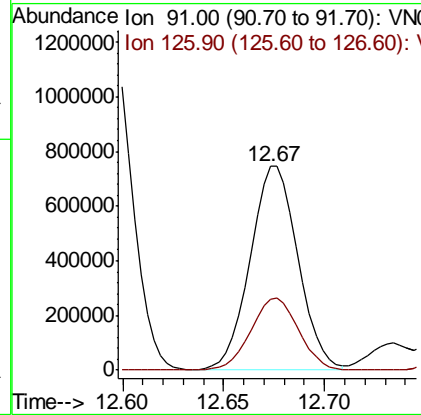
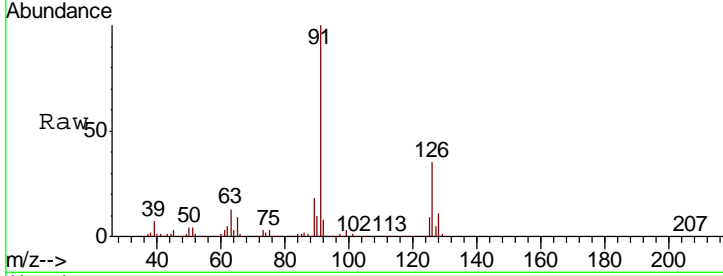
#79
 2-Chlorotoluene
 Concen: 50.05 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion: 91 Resp: 1232986

Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.6	52.8

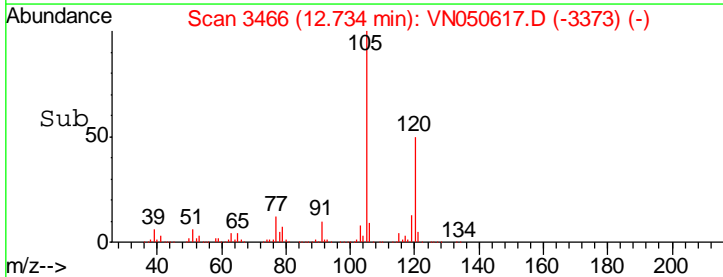
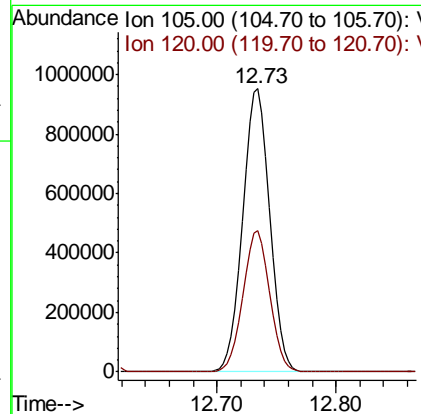
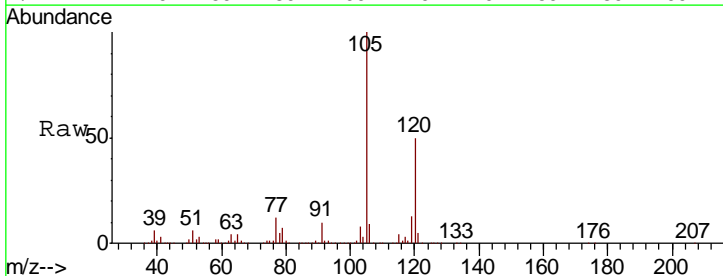
Manual Integrations
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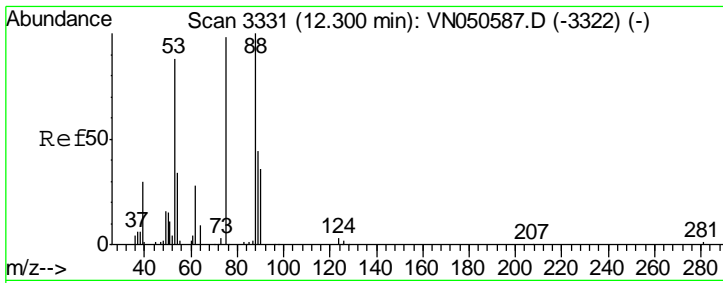


#80
 1,3,5-Trimethylbenzene
 Concen: 52.60 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion: 105 Resp: 1492550

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.7	74.1



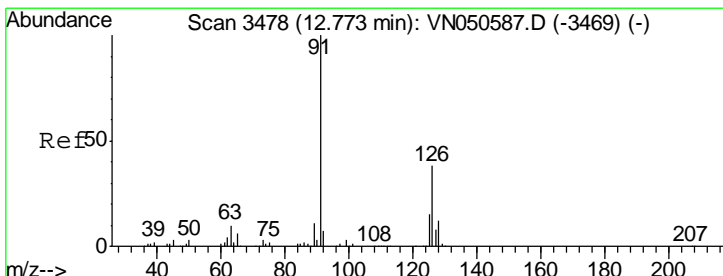
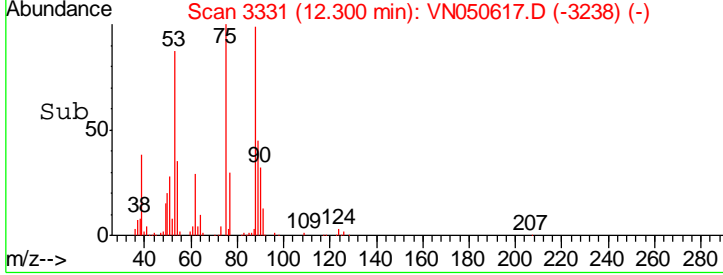
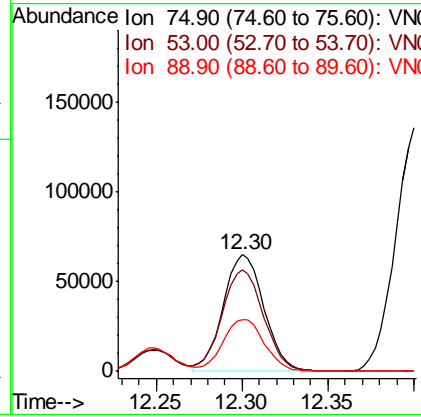
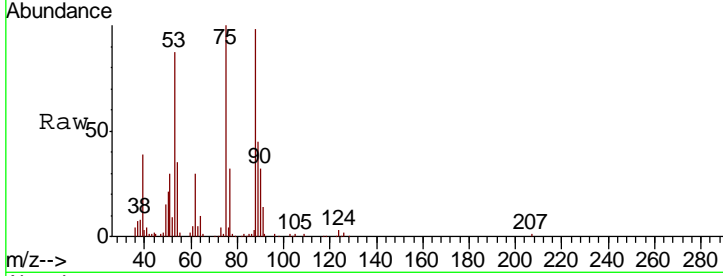


#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.97 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

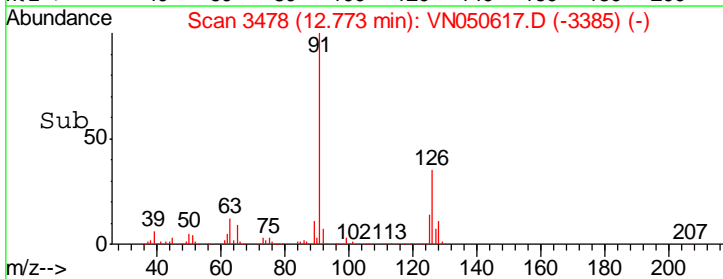
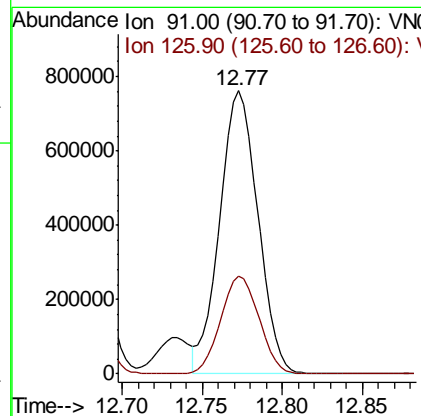
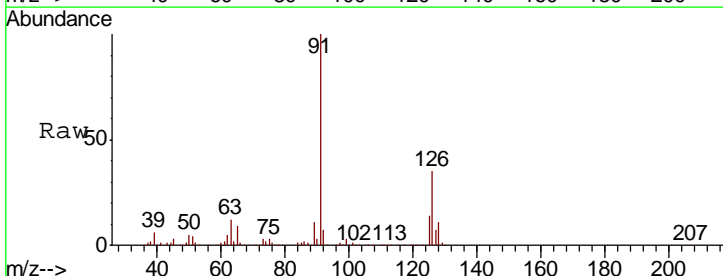
Tgt Ion	Resp	Lower	Upper
75	108075		
75	100		
53	88.4	72.2	108.2
89	45.1	36.3	54.5

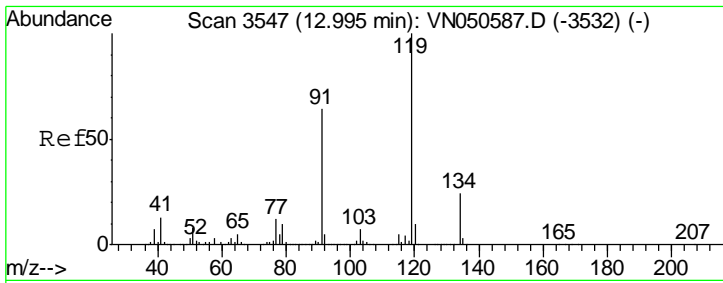
Manual Integrations
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 MMDadoda
 8/15/2018 3:32:16 PM



#82
 4-Chlorotoluene
 Concen: 51.34 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
91	1249989		
91	100		
126	34.7	17.3	52.0



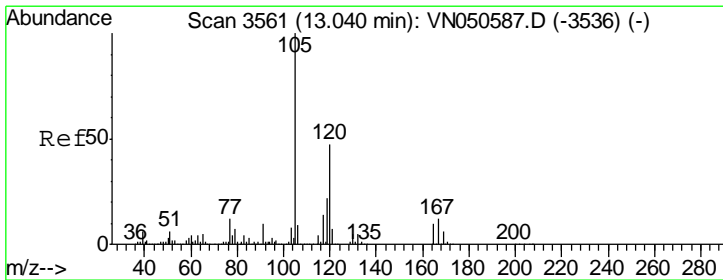
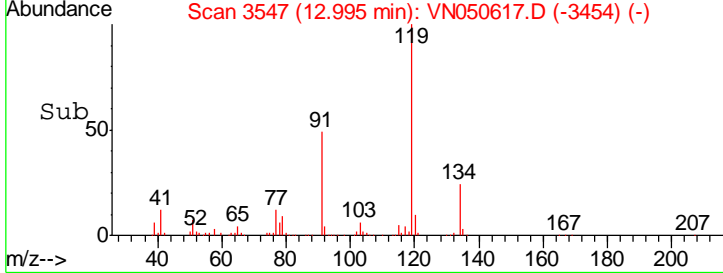
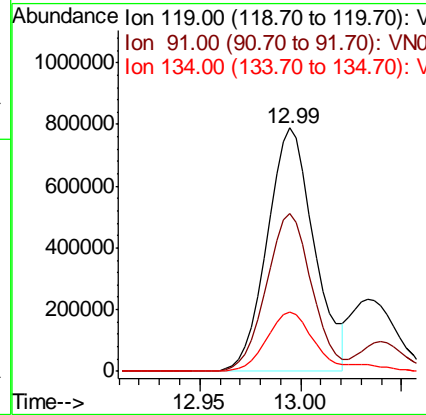
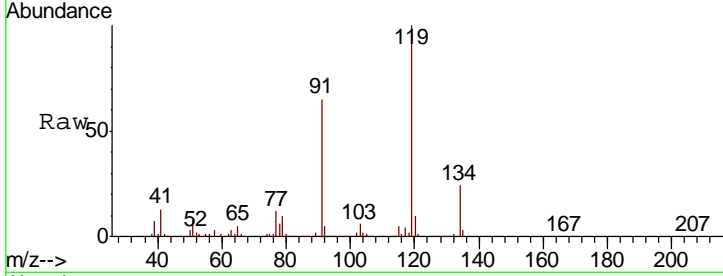


#83
 tert-Butylbenzene
 Concen: 51.78 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDC050

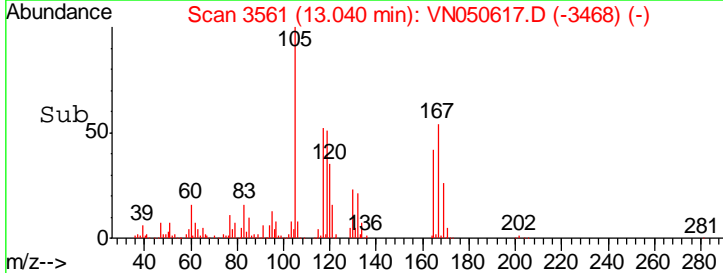
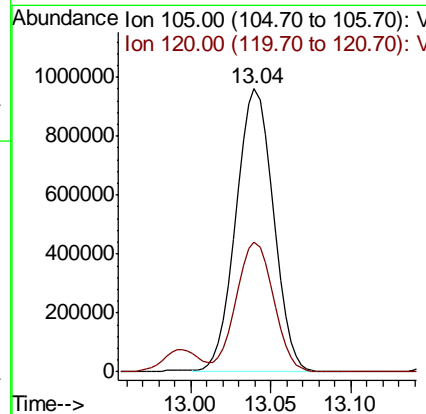
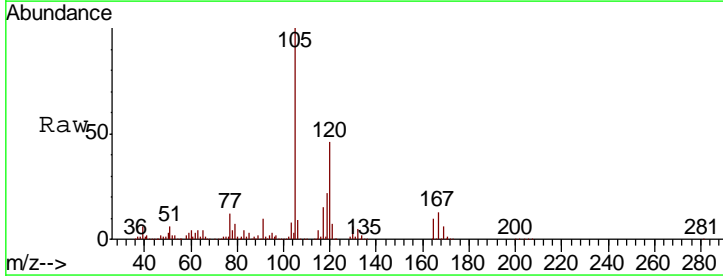
Tgt Ion	Resp	Lower	Upper
119	100		
91	62.6	32.2	96.6
134	24.3	13.4	40.2

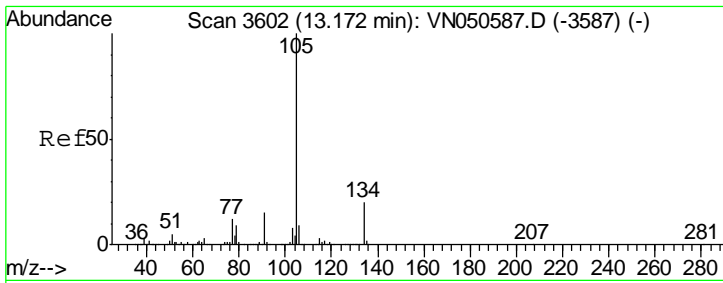
Manual Integrations
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 8/15/2018 3:32:16 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.64 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
105	100		
120	46.3	23.2	69.5



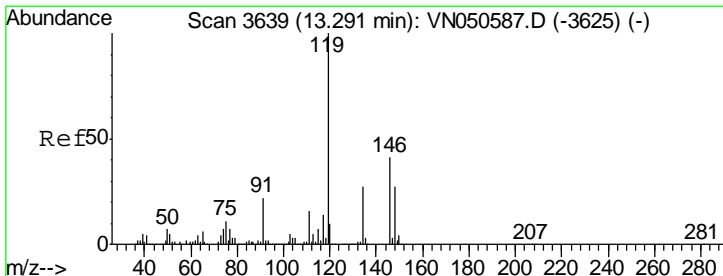
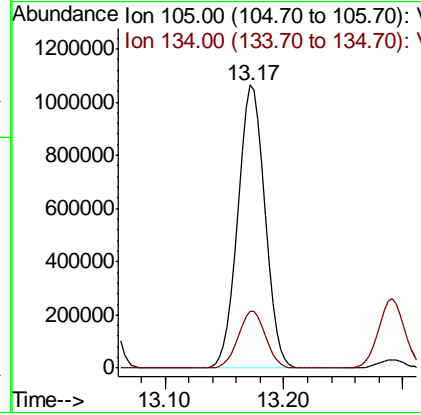
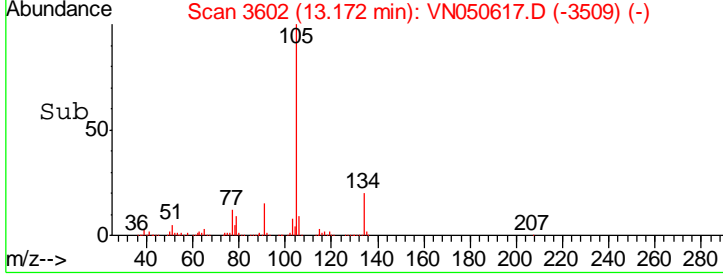
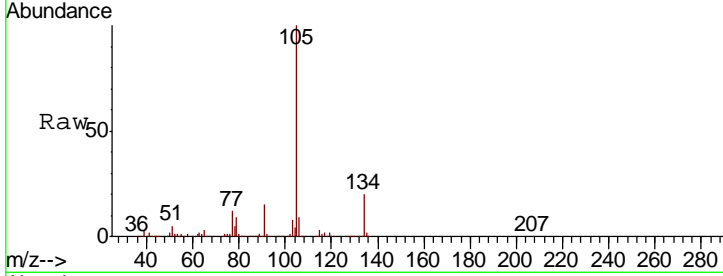


#85
 sec-Butylbenzene
 Concen: 52.17 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 Client Sampled : VSTDC050

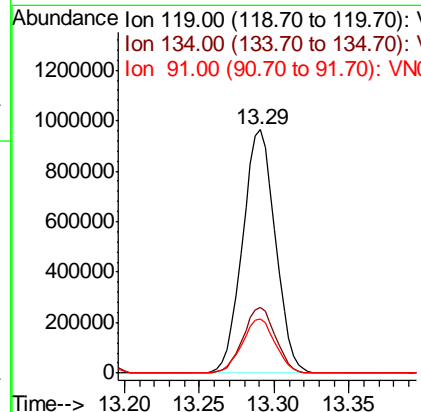
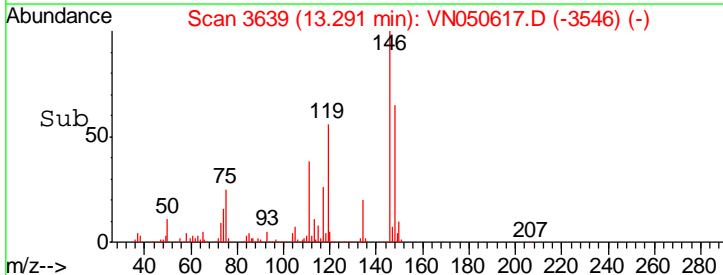
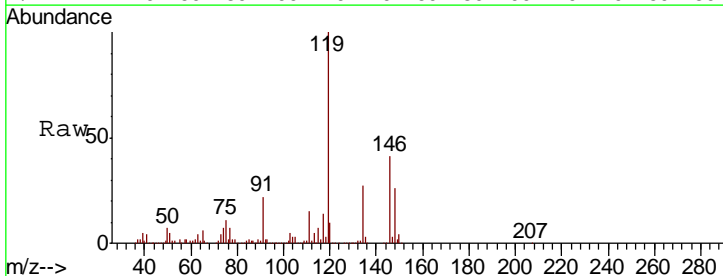
Tgt Ion	Resp	Lower	Upper
105	100		
134	20.3	10.1	30.3

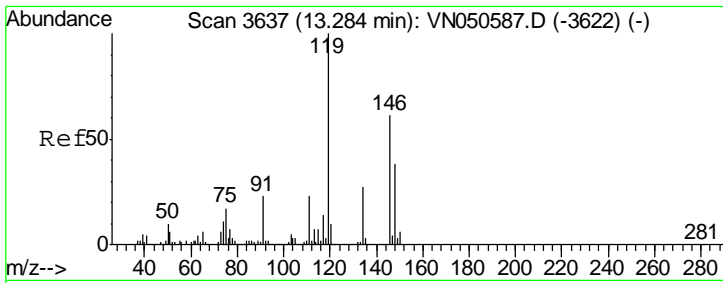
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 53.83 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.8	13.5	40.4
91	22.5	11.2	33.6



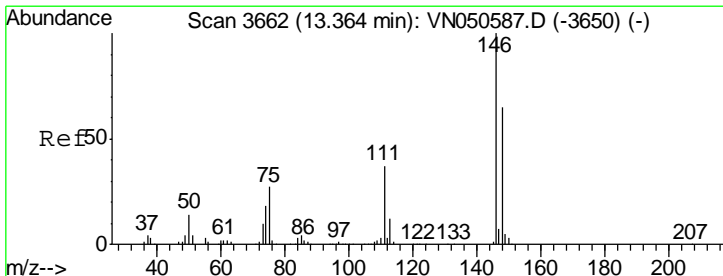
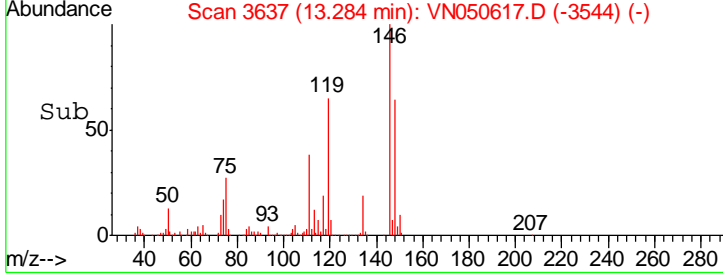
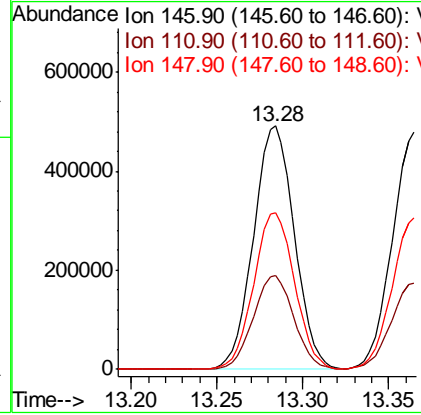
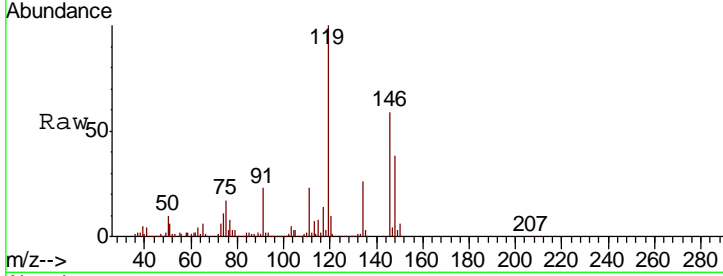


#87
 1,3-Dichlorobenzene
 Concen: 49.38 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

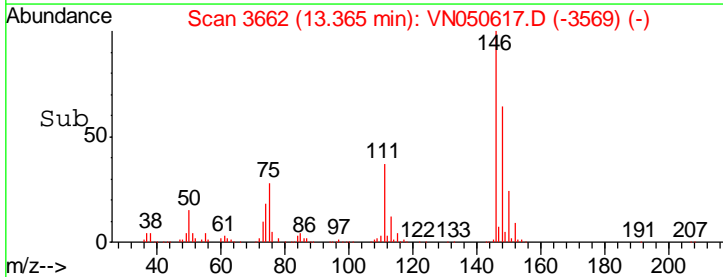
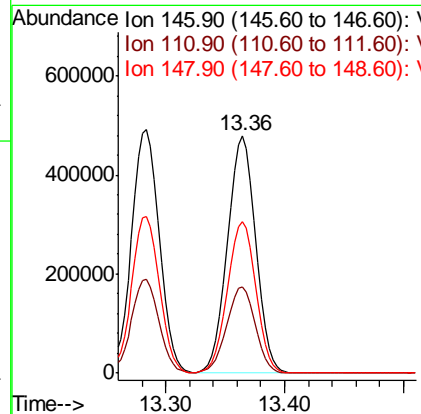
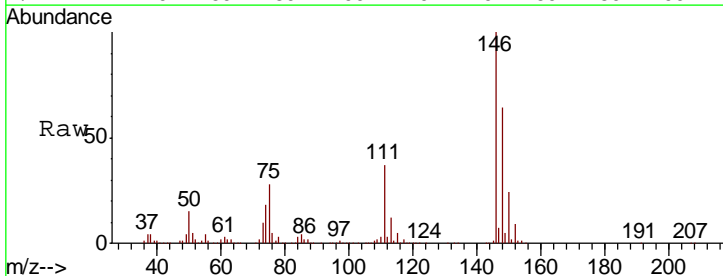
Tgt Ion	Resp	Lower	Upper
146	808811		
146	100		
111	38.5	19.2	57.6
148	64.5	31.9	95.7

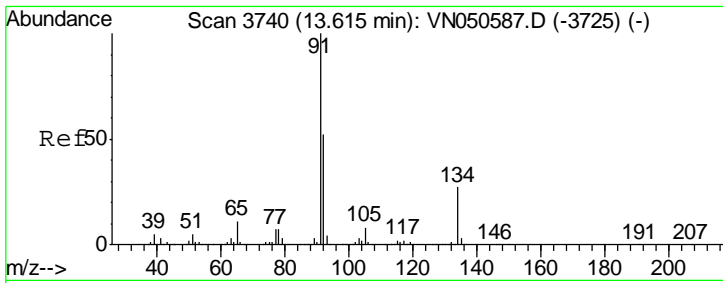
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 48.38 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
146	786525		
146	100		
111	37.0	18.8	56.4
148	64.4	32.3	96.8



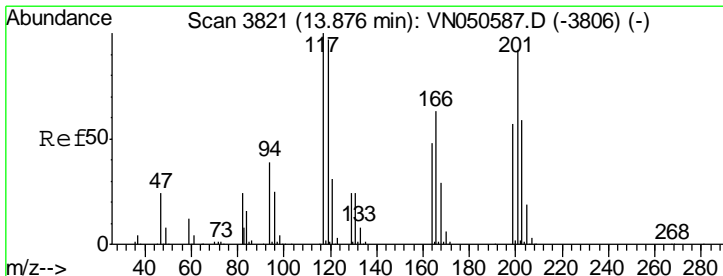
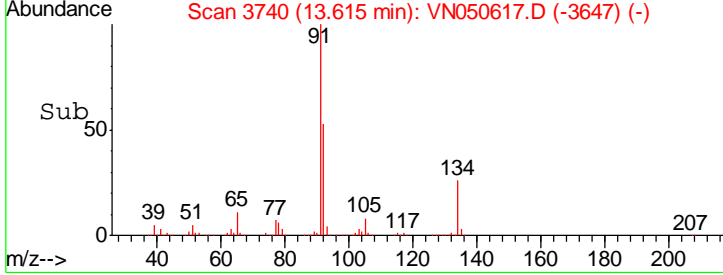
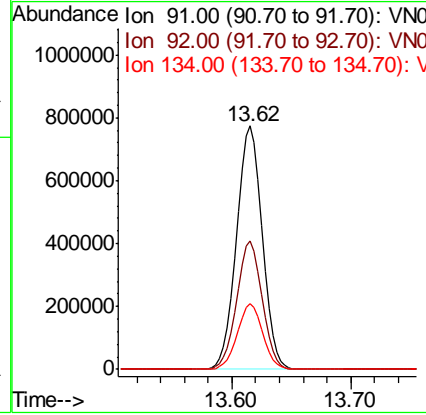
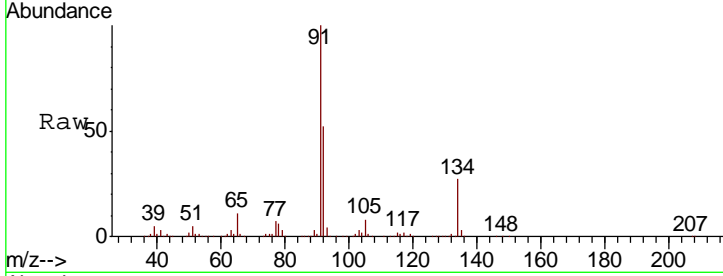


#89
 n-Butylbenzene
 Concen: 52.62 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

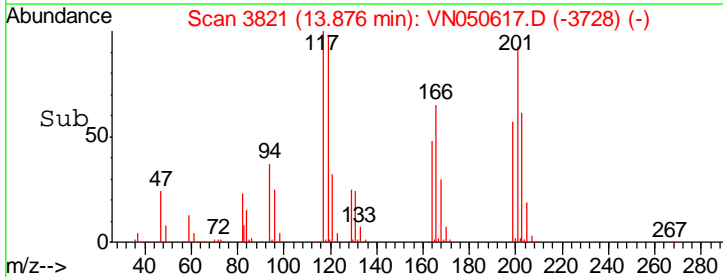
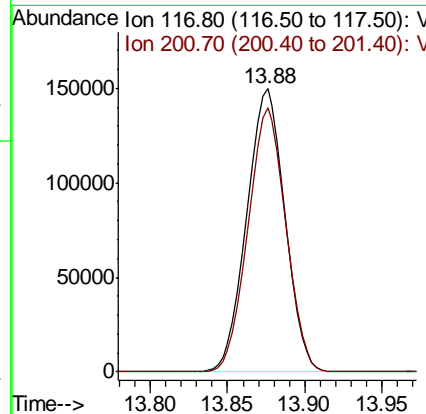
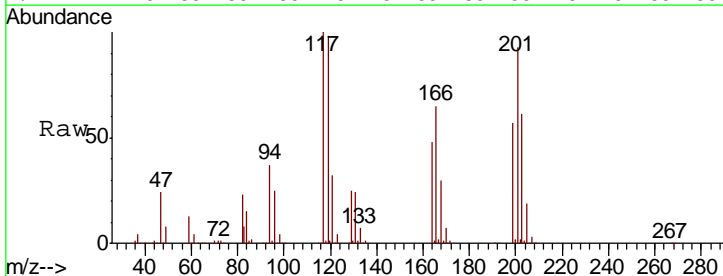
Tgt Ion	Resp	Lower	Upper
91	1158882		
91	100		
92	52.0	26.3	78.8
134	26.5	13.3	39.9

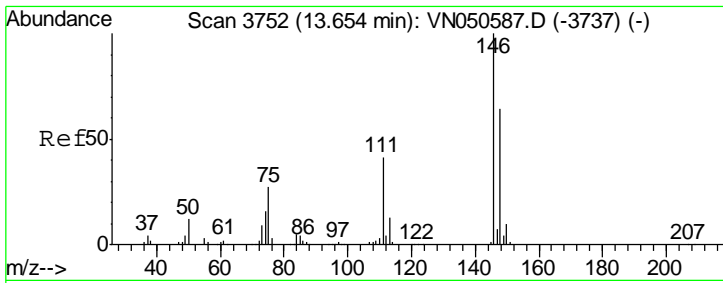
Manual Integrations
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#90
 Hexachloroethane
 Concen: 46.99 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
117	257672		
117	100		
201	92.3	45.5	136.5





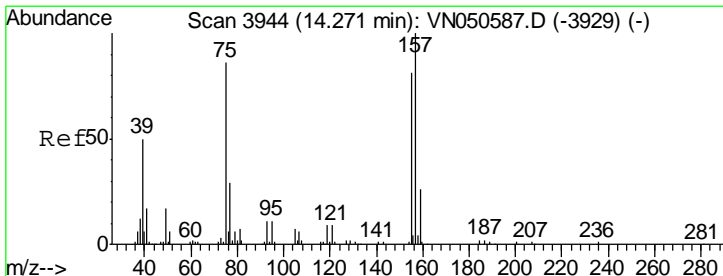
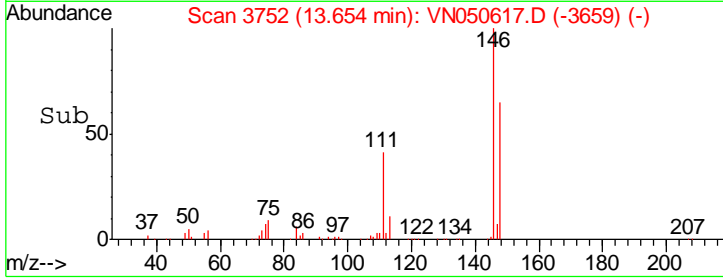
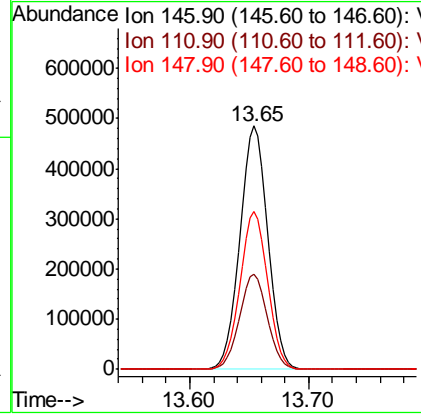
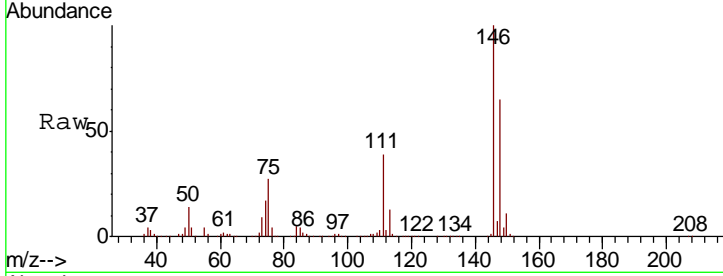
#91
 1,2-Dichlorobenzene
 Concen: 49.15 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.0	19.8	59.4
148	64.4	32.3	96.8

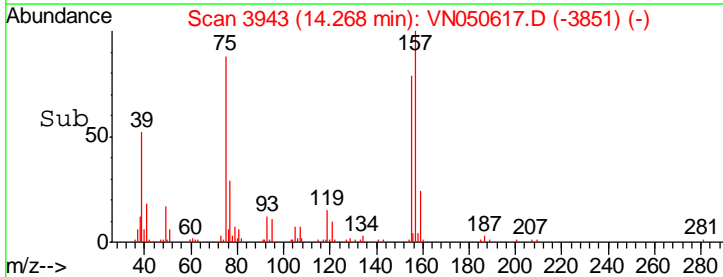
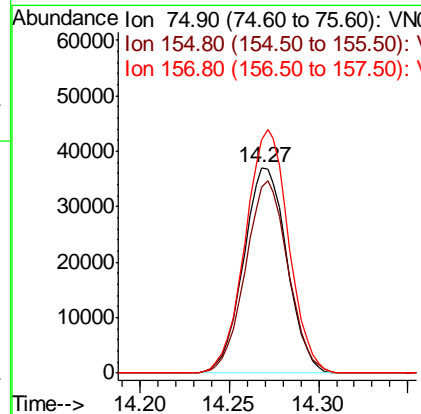
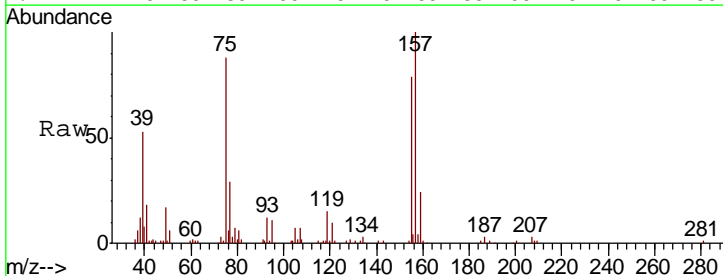
Manual Integrations
 APPROVED

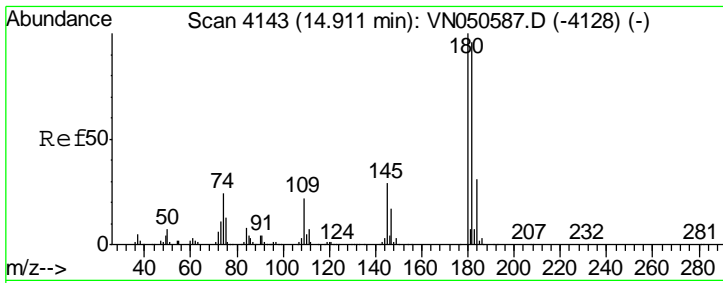
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 8/15/2018 3:32:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.66 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
75	100		
155	92.0	46.6	139.8
157	118.3	58.1	174.2



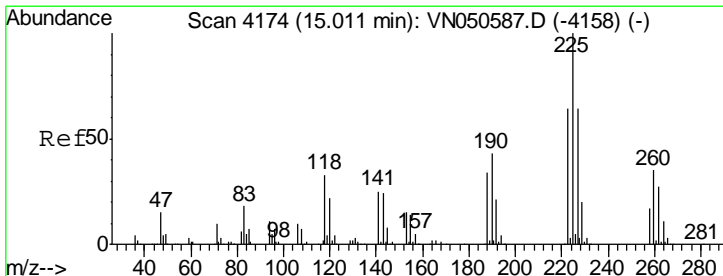
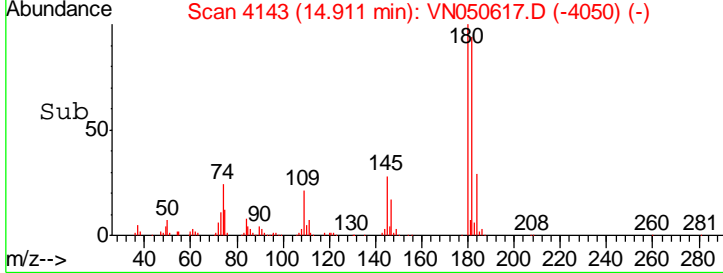
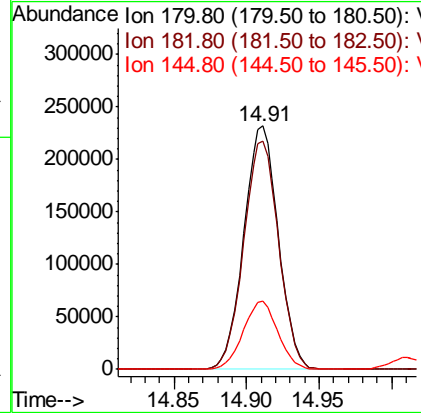
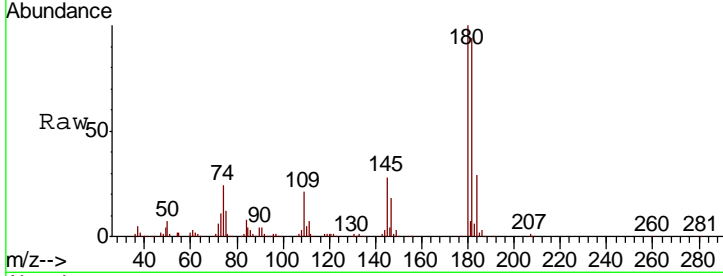


#93
 1,2,4-Trichlorobenzene
 Concen: 46.81 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

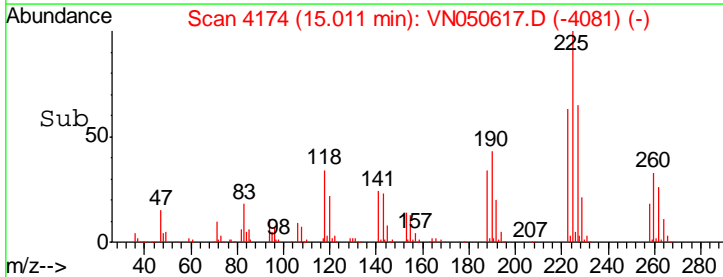
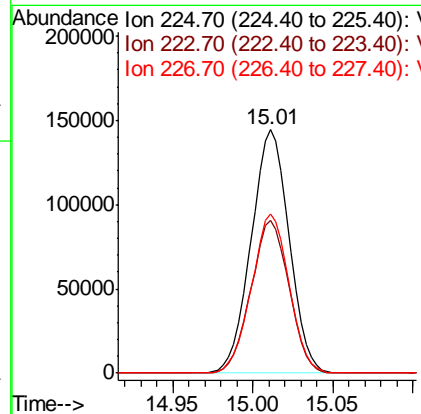
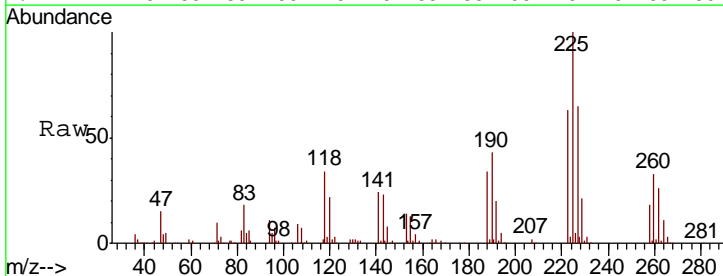
Tgt Ion	Resp	Lower	Upper
180	382417		
182	95.3	47.9	143.7
145	28.1	14.4	43.4

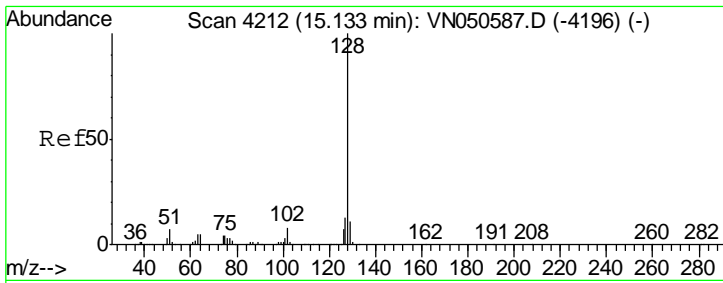
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 48.03 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
225	235318		
223	62.7	32.1	96.3
227	64.7	32.0	96.2



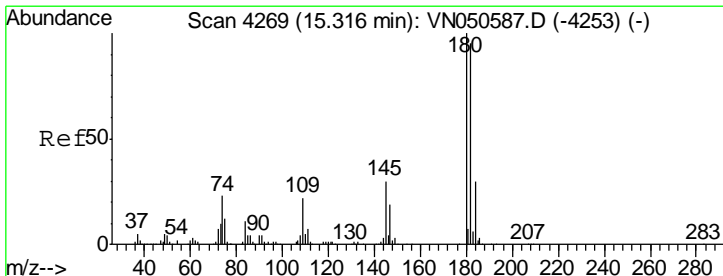
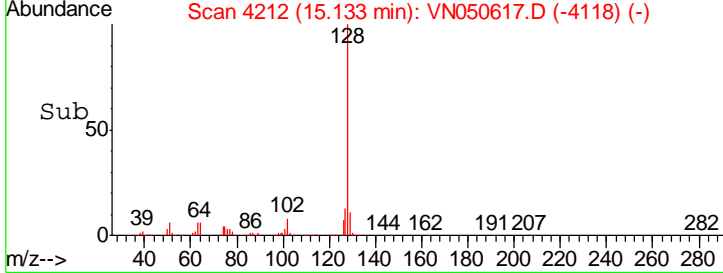
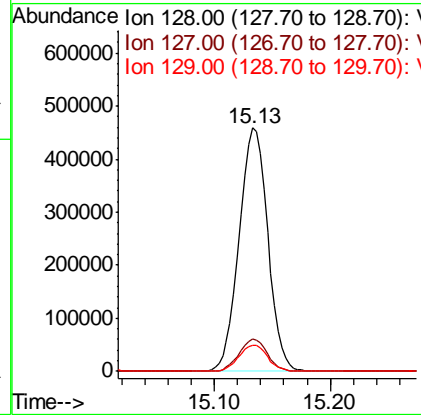
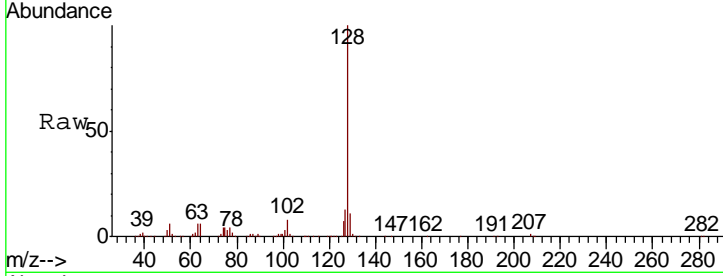


#95
 Naphthalene
 Concen: 45.41 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Instrument : MSVOA_N
 Client Sampled : VSTDC050

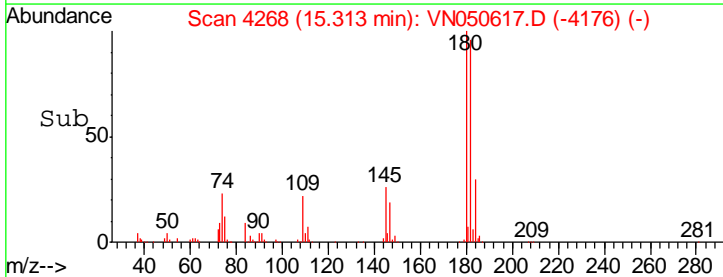
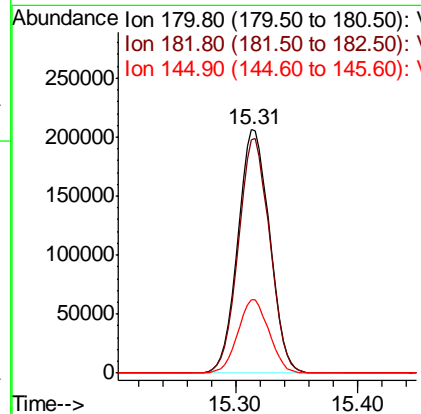
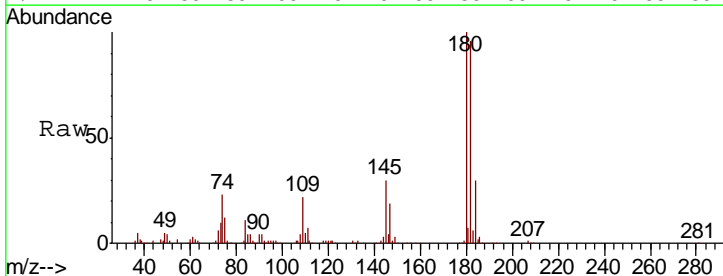
Tgt Ion	Resp	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.7	8.5	12.7

Manual Integrations APPROVED
 MMDadoda
 8/15/2018 3:32:16 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 48.58 ug/l
 RT: 15.31 min Scan# 4268
 Delta R.T. -0.00 min
 Lab File: VN050617.D
 Acq: 14 Aug 2018 21:46

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.2	47.3	141.8
145	29.6	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050617.D
 Acq On : 14 Aug 2018 21:46
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 13:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2 T	Dichlorodifluoromethane	0.564	0.527	6.6	95	0.00
3 P	Chloromethane	0.769	0.676	12.1	99	0.00
4 C	Vinyl Chloride	0.749	0.698	6.8#	97	0.00
5 T	Bromomethane	0.484	0.397	18.0	95	0.00
6 T	Chloroethane	0.470	0.423	10.0	98	0.00
7 T	Trichlorofluoromethane	0.983	0.902	8.2	97	0.00
8 T	Diethyl Ether	0.327	0.317	3.1	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.594	0.562	5.4	99	0.00
10 T	Methyl Iodide	0.384	0.400	-4.2	107	0.00
11 T	Tert butyl alcohol	0.034	0.035	-2.9	102	0.00
12 CM	1,1-Dichloroethene	0.543	0.511	5.9#	97	0.00
13 T	Acrolein	0.014	0.011	21.4#	90	0.00
14 T	Allyl chloride	0.844	0.807	4.4	97	0.00
15 T	Acrylonitrile	0.189	0.190	-0.5	100	0.00
16 T	Acetone	0.174	0.162	6.9	103	0.00
17 T	Carbon Disulfide	1.707	1.607	5.9	98	0.00
18 T	Methyl Acetate	0.591	0.454	23.2#	103	0.00
19 T	Methyl tert-butyl Ether	1.381	1.412	-2.2	100	0.00
20 T	Methylene Chloride	0.685	0.610	10.9	99	0.00
21 T	trans-1,2-Dichloroethene	0.588	0.570	3.1	99	0.00
22 T	Diisopropyl ether	1.730	1.790	-3.5	99	0.00
23 T	Vinyl Acetate	1.132	1.196	-5.7	100	0.00
24 P	1,1-Dichloroethane	1.120	1.054	5.9	99	0.00
25 T	2-Butanone	0.258	0.266	-3.1	103	0.00
26 T	2,2-Dichloropropane	0.749	0.767	-2.4	110	0.00
27 T	cis-1,2-Dichloroethene	0.655	0.629	4.0	98	0.00
28 T	Bromochloromethane	0.510	0.510	0.0	101	0.00
29 T	Tetrahydrofuran	0.135	0.142	-5.2	102	0.00
30 C	Chloroform	1.135	1.079	4.9#	100	0.00
31 T	Cyclohexane	1.095	0.939	14.2	97	0.00
32 T	1,1,1-Trichloroethane	0.955	0.908	4.9	98	0.00
33 S	1,2-Dichloroethane-d4	0.630	0.623	1.1	98	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35 S	Dibromofluoromethane	0.399	0.406	-1.8	98	0.00
36 T	1,1-Dichloropropene	0.557	0.575	-3.2	100	0.00
37 T	Ethyl Acetate	0.315	0.346	-9.8	104	0.00
38 T	Carbon Tetrachloride	0.577	0.570	1.2	100	0.00
39 T	Methylcyclohexane	0.576	0.608	-5.6	97	0.00
40 TM	Benzene	1.693	1.720	-1.6	99	0.00
41 T	Methacrylonitrile	0.170	0.184	-8.2	99	0.00
42 TM	1,2-Dichloroethane	0.519	0.520	-0.2	100	0.00
43 T	Isopropyl Acetate	0.573	0.593	-3.5	101	0.00
44 TM	Trichloroethene	0.454	0.444	2.2	97	0.00
45 C	1,2-Dichloropropane	0.451	0.455	-0.9#	100	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050617.D
 Acq On : 14 Aug 2018 21:46
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 13:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.266	0.266	0.0	102	0.00
47 T	Bromodichloromethane	0.569	0.571	-0.4	100	0.00
48 T	Methyl methacrylate	0.289	0.304	-5.2	103	0.00
49 T	1,4-Dioxane	0.004	0.004	0.0	102	0.00
50 S	Toluene-d8	1.502	1.526	-1.6	98	0.00
51 T	4-Methyl-2-Pentanone	0.388	0.426	-9.8	103	0.00
52 CM	Toluene	1.011	1.067	-5.5#	100	0.00
53 T	t-1,3-Dichloropropene	0.530	0.561	-5.8	101	0.00
54 T	cis-1,3-Dichloropropene	0.608	0.655	-7.7	101	0.00
55 T	1,1,2-Trichloroethane	0.378	0.383	-1.3	101	0.00
56 T	Ethyl methacrylate	0.427	0.477	-11.7	100	0.00
57 T	1,3-Dichloropropane	0.619	0.645	-4.2	101	0.00
58 T	2-Chloroethyl Vinyl ether	0.200	0.231	-15.5	101	0.00
59 T	2-Hexanone	0.250	0.279	-11.6	102	0.00
60 T	Dibromochloromethane	0.417	0.437	-4.8	102	0.00
61 T	1,2-Dibromoethane	0.360	0.381	-5.8	102	0.00
62 S	4-Bromofluorobenzene	0.496	0.500	-0.8	96	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64 T	Tetrachloroethene	0.464	0.455	1.9	96	0.00
65 PM	Chlorobenzene	1.244	1.253	-0.7	99	0.00
66 T	1,1,1,2-Tetrachloroethane	0.466	0.469	-0.6	100	0.00
67 C	Ethyl Benzene	2.009	2.168	-7.9#	99	0.00
68 T	m/p-Xylenes	0.768	0.833	-8.5	98	0.00
69 T	o-Xylene	0.733	0.789	-7.6	98	0.00
70 T	Styrene	1.177	1.315	-11.7	99	0.00
71 P	Bromoform	0.309	0.323	-4.5	102	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.907	3.990	-2.1	98	0.00
74 T	N-amyl acetate	1.016	1.056	-3.9	100	0.00
75 P	1,1,2,2-Tetrachloroethane	1.068	0.982	8.1	102	0.00
76 T	1,2,3-Trichloropropane	0.899	0.741	17.6	93	0.00
77 T	Bromobenzene	1.061	1.023	3.6	98	0.00
78 T	n-propylbenzene	4.356	4.599	-5.6	98	0.00
79 T	2-Chlorotoluene	2.716	2.718	-0.1	97	0.00
80 T	1,3,5-Trimethylbenzene	3.128	3.291	-5.2	97	0.00
81 T	trans-1,4-Dichloro-2-butene	0.225	0.238	-5.8	105	0.00
82 T	4-Chlorotoluene	2.684	2.756	-2.7	97	0.00
83 T	tert-Butylbenzene	2.715	2.812	-3.6	100	0.00
84 T	1,2,4-Trimethylbenzene	3.139	3.368	-7.3	98	0.00
85 T	sec-Butylbenzene	3.548	3.702	-4.3	97	0.00
86 T	p-Isopropyltoluene	3.006	3.237	-7.7	97	0.00
87 T	1,3-Dichlorobenzene	1.806	1.783	1.3	97	0.00
88 T	1,4-Dichlorobenzene	1.792	1.734	3.2	97	0.00
89 T	n-Butylbenzene	2.428	2.555	-5.2	97	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050617.D
 Acq On : 14 Aug 2018 21:46
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 13:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.605	0.568	6.1	100	0.00
91 T	1,2-Dichlorobenzene	1.762	1.732	1.7	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.139	0.138	0.7	101	0.00
93 T	1,2,4-Trichlorobenzene	0.767	0.843	-9.9	96	0.00
94 T	Hexachlorobutadiene	0.540	0.519	3.9	101	0.00
95 T	Naphthalene	1.531	1.732	-13.1	95	0.00
96 T	1,2,3-Trichlorobenzene	0.745	0.819	-9.9	97	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050617.D
 Acq On : 14 Aug 2018 21:46
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 13:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2 T	Dichlorodifluoromethane	50.000	46.724	6.6	95	0.00
3 P	Chloromethane	50.000	49.211	1.6	99	0.00
4 C	Vinyl Chloride	50.000	46.629	6.7#	97	0.00
5 T	Bromomethane	50.000	49.259	1.5	95	0.00
6 T	Chloroethane	50.000	50.793	-1.6	98	0.00
7 T	Trichlorofluoromethane	50.000	45.877	8.2	97	0.00
8 T	Diethyl Ether	50.000	48.445	3.1	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.268	5.5	99	0.00
10 T	Methyl Iodide	50.000	47.755	4.5	107	0.00
11 T	Tert butyl alcohol	250.000	251.126	-0.5	102	0.00
12 CM	1,1-Dichloroethene	50.000	47.062	5.9#	97	0.00
13 T	Acrolein	250.000	216.984	13.2	90	0.00
14 T	Allyl chloride	50.000	47.787	4.4	97	0.00
15 T	Acrylonitrile	250.000	251.132	-0.5	100	0.00
16 T	Acetone	250.000	257.778	-3.1	103	0.00
17 T	Carbon Disulfide	50.000	47.060	5.9	98	0.00
18 T	Methyl Acetate	50.000	51.343	-2.7	103	0.00
19 T	Methyl tert-butyl Ether	50.000	51.117	-2.2	100	0.00
20 T	Methylene Chloride	50.000	50.969	-1.9	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.467	3.1	99	0.00
22 T	Diisopropyl ether	50.000	51.715	-3.4	99	0.00
23 T	Vinyl Acetate	250.000	264.142	-5.7	100	0.00
24 P	1,1-Dichloroethane	50.000	47.089	5.8	99	0.00
25 T	2-Butanone	250.000	257.646	-3.1	103	0.00
26 T	2,2-Dichloropropane	50.000	51.161	-2.3	110	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.030	3.9	98	0.00
28 T	Bromochloromethane	50.000	50.032	-0.1	101	0.00
29 T	Tetrahydrofuran	250.000	263.864	-5.5	102	0.00
30 C	Chloroform	50.000	47.531	4.9#	100	0.00
31 T	Cyclohexane	50.000	49.126	1.7	97	0.00
32 T	1,1,1-Trichloroethane	50.000	47.533	4.9	98	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.430	1.1	98	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35 S	Dibromofluoromethane	50.000	50.811	-1.6	98	0.00
36 T	1,1-Dichloropropene	50.000	51.682	-3.4	100	0.00
37 T	Ethyl Acetate	50.000	54.958	-9.9	104	0.00
38 T	Carbon Tetrachloride	50.000	49.323	1.4	100	0.00
39 T	Methylcyclohexane	50.000	52.744	-5.5	97	0.00
40 TM	Benzene	50.000	50.777	-1.6	99	0.00
41 T	Methacrylonitrile	50.000	54.031	-8.1	99	0.00
42 TM	1,2-Dichloroethane	50.000	50.106	-0.2	100	0.00
43 T	Isopropyl Acetate	50.000	51.675	-3.3	101	0.00
44 TM	Trichloroethene	50.000	48.914	2.2	97	0.00
45 C	1,2-Dichloropropane	50.000	50.425	-0.8#	100	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050617.D
 Acq On : 14 Aug 2018 21:46
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 13:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	49.927	0.1	102	0.00
47 T	Bromodichloromethane	50.000	50.214	-0.4	100	0.00
48 T	Methyl methacrylate	50.000	52.672	-5.3	103	0.00
49 T	1,4-Dioxane	1000.000	1053.152	-5.3	102	0.00
50 S	Toluene-d8	50.000	50.793	-1.6	98	0.00
51 T	4-Methyl-2-Pentanone	250.000	274.425	-9.8	103	0.00
52 CM	Toluene	50.000	52.791	-5.6#	100	0.00
53 T	t-1,3-Dichloropropene	50.000	52.899	-5.8	101	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.837	-7.7	101	0.00
55 T	1,1,2-Trichloroethane	50.000	50.753	-1.5	101	0.00
56 T	Ethyl methacrylate	50.000	49.520	1.0	100	0.00
57 T	1,3-Dichloropropane	50.000	52.094	-4.2	101	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	250.053	-0.0	101	0.00
59 T	2-Hexanone	250.000	278.976	-11.6	102	0.00
60 T	Dibromochloromethane	50.000	52.390	-4.8	102	0.00
61 T	1,2-Dibromoethane	50.000	52.902	-5.8	102	0.00
62 S	4-Bromofluorobenzene	50.000	50.349	-0.7	96	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64 T	Tetrachloroethene	50.000	48.961	2.1	96	0.00
65 PM	Chlorobenzene	50.000	50.361	-0.7	99	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.302	-0.6	100	0.00
67 C	Ethyl Benzene	50.000	53.942	-7.9#	99	0.00
68 T	m/p-Xylenes	100.000	108.335	-8.3	98	0.00
69 T	o-Xylene	50.000	53.805	-7.6	98	0.00
70 T	Styrene	50.000	50.443	-0.9	99	0.00
71 P	Bromoform	50.000	52.237	-4.5	102	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	51.063	-2.1	98	0.00
74 T	N-amyl acetate	50.000	51.931	-3.9	100	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	54.361	-8.7	102	0.00
76 T	1,2,3-Trichloropropane	50.000	45.786	8.4	93	0.00
77 T	Bromobenzene	50.000	48.237	3.5	98	0.00
78 T	n-propylbenzene	50.000	52.783	-5.6	98	0.00
79 T	2-Chlorotoluene	50.000	50.045	-0.1	97	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.603	-5.2	97	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.973	-5.9	105	0.00
82 T	4-Chlorotoluene	50.000	51.342	-2.7	97	0.00
83 T	tert-Butylbenzene	50.000	51.782	-3.6	100	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.637	-7.3	98	0.00
85 T	sec-Butylbenzene	50.000	52.166	-4.3	97	0.00
86 T	p-Isopropyltoluene	50.000	53.831	-7.7	97	0.00
87 T	1,3-Dichlorobenzene	50.000	49.380	1.2	97	0.00
88 T	1,4-Dichlorobenzene	50.000	48.382	3.2	97	0.00
89 T	n-Butylbenzene	50.000	52.621	-5.2	97	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050617.D
 Acq On : 14 Aug 2018 21:46
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 13:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	46.985	6.0	100	0.00
91 T	1,2-Dichlorobenzene	50.000	49.147	1.7	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.655	0.7	101	0.00
93 T	1,2,4-Trichlorobenzene	50.000	46.812	6.4	96	0.00
94 T	Hexachlorobutadiene	50.000	48.031	3.9	101	0.00
95 T	Naphthalene	50.000	45.405	9.2	95	0.00
96 T	1,2,3-Trichlorobenzene	50.000	48.580	2.8	97	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG No.: J4465
 Instrument ID: MSVOA_N Calibration Date/Time: 08/15/2018 08:26
 Lab File ID: VN050639.D Init. Calib. Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.564	0.508		-9.93	20
Chloromethane	0.769	0.643	0.1	-16.39	20
Vinyl Chloride	0.749	0.670		-10.55	20
Bromomethane	0.484	0.389		-19.63	20
Chloroethane	0.470	0.406		-13.62	20
Trichlorofluoromethane	0.983	0.880		-10.48	20
1,1,2-Trichlorotrifluoroethane	0.594	0.553		-6.9	20
1,1-Dichloroethene	0.543	0.493		-9.21	20
Acetone	0.174	0.164		-5.75	20
Carbon Disulfide	1.707	1.556		-8.85	20
Methyl tert-butyl Ether	1.381	1.298		-6.01	20
Methyl Acetate	0.591	0.399		-32.49	20
Methylene Chloride	0.685	0.576		-15.91	20
trans-1,2-Dichloroethene	0.588	0.546		-7.14	20
1,1-Dichloroethane	1.120	1.006	0.1	-10.18	20
Cyclohexane	1.095	0.918		-16.16	20
2-Butanone	0.258	0.242		-6.2	20
Carbon Tetrachloride	0.577	0.564		-2.25	20
cis-1,2-Dichloroethene	0.655	0.606		-7.48	20
Bromochloromethane	0.510	0.478		-6.28	20
Chloroform	1.135	1.010		-11.01	20
1,1,1-Trichloroethane	0.955	0.864		-9.53	20
Methylcyclohexane	0.576	0.646		12.15	20
Benzene	1.693	1.715		1.3	20
1,2-Dichloroethane	0.519	0.507		-2.31	20
Trichloroethene	0.454	0.448		-1.32	20
1,2-Dichloropropane	0.451	0.444		-1.55	20
Bromodichloromethane	0.569	0.562		-1.23	20
4-Methyl-2-Pentanone	0.388	0.385		-0.77	20
Toluene	1.011	1.055		4.35	20
t-1,3-Dichloropropene	0.530	0.559		5.47	20
cis-1,3-Dichloropropene	0.608	0.657		8.06	20
1,1,2-Trichloroethane	0.378	0.366		-3.17	20
2-Hexanone	0.250	0.256		2.4	20
Dibromochloromethane	0.417	0.423		1.44	20
1,2-Dibromoethane	0.360	0.361		0.28	20
Tetrachloroethene	0.464	0.454		-2.15	20
Chlorobenzene	1.244	1.248	0.3	0.32	20
Ethyl Benzene	2.009	2.162		7.62	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4465 SAS No.: J4465 SDG No.: J4465
 Instrument ID: MSVOA_N Calibration Date/Time: 08/15/2018 08:26
 Lab File ID: VN050639.D Init. Calib. Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.768	0.838		9.11	20
o-Xylene	0.733	0.785		7.09	20
Styrene	1.177	1.308		11.13	20
Bromoform	0.309	0.305	0.1	-1.29	20
Isopropylbenzene	3.907	4.072		4.22	20
1,1,2,2-Tetrachloroethane	1.068	0.925	0.3	-13.39	20
1,3-Dichlorobenzene	1.806	1.815		0.5	20
1,4-Dichlorobenzene	1.792	1.763		-1.62	20
1,2-Dichlorobenzene	1.762	1.723		-2.21	20
1,2-Dibromo-3-Chloropropane	0.139	0.125		-10.07	20
1,2,4-Trichlorobenzene	0.767	0.857		11.73	20
1,2,3-Trichlorobenzene	0.745	0.807		8.32	20
1,2-Dichloroethane-d4	0.630	0.570		-9.52	20
Dibromofluoromethane	0.399	0.390		-2.26	20
Toluene-d8	1.502	1.487		-1	20
4-Bromofluorobenzene	0.496	0.495		-0.2	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:21 PM

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	694246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	958096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	887834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	460297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	395466	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
35) Dibromofluoromethane	7.59	113	373243	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	1424657	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	474183	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	352783	45.07	ug/l	99
3) Chloromethane	2.06	50	446607	46.80	ug/l	99
4) Vinyl Chloride	2.19	62	465111	44.73	ug/l	99
5) Bromomethane	2.56	94	270226	48.29	ug/l	97
6) Chloroethane	2.70	64	281791	48.73	ug/l	100
7) Trichlorofluoromethane	3.01	101	610957	44.78	ug/l	100
8) Diethyl Ether	3.41	74	202319	44.58	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	383700	46.51	ug/l	99
10) Methyl Iodide	3.95	142	278076	47.78	ug/l	100
11) Tert butyl alcohol	4.79	59	102190	213.86	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	342318	45.44	ug/l	97
13) Acrolein	3.61	56	36389	197.79	ug/l	99
14) Allyl chloride	4.32	41	543541	46.39	ug/l	100
15) Acrylonitrile	4.99	53	584662	222.78	ug/l	99
16) Acetone	3.82	43	568496	260.24	ug/l	98
17) Carbon Disulfide	4.05	76	1079967	45.56	ug/l	100
18) Methyl Acetate	4.33	43	277117	44.99	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	901391	47.02	ug/l	100
20) Methylene Chloride	4.55	84	399729	48.01	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	378812	46.38	ug/l	99
22) Diisopropyl ether	5.95	45	1170058	48.70	ug/l	98
23) Vinyl Acetate	5.90	43	3821187	243.15	ug/l	99
24) 1,1-Dichloroethane	5.85	63	698134	44.91	ug/l	99
25) 2-Butanone	6.84	43	838450	233.68	ug/l	99
26) 2,2-Dichloropropane	6.82	77	567883	54.58	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	420900	46.28	ug/l	98
28) Bromochloromethane	7.19	49	331998	46.93	ug/l	99
29) Tetrahydrofuran	7.21	42	428816	228.89	ug/l	100
30) Chloroform	7.37	83	701440	44.53	ug/l	100
31) Cyclohexane	7.65	56	637367	48.03	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	599563	45.22	ug/l	100
36) 1,1-Dichloropropene	7.79	75	548837	51.46	ug/l	100
37) Ethyl Acetate	6.93	43	299784	49.73	ug/l	100
38) Carbon Tetrachloride	7.77	117	540750	48.87	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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MMDadoda
 8/16/2018 1:18:21 PM

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	618555	56.02	ug/l	98
40) Benzene	8.04	78	1643350	50.65	ug/l	100
41) Methacrylonitrile	7.17	41	160610	49.28	ug/l	99
42) 1,2-Dichloroethane	8.12	62	485722	48.84	ug/l	100
43) Isopropyl Acetate	8.17	43	519814	47.31	ug/l	98
44) Trichloroethene	8.84	130	429118	49.37	ug/l	99
45) 1,2-Dichloropropane	9.12	63	425550	49.27	ug/l	100
46) Dibromomethane	9.21	93	246647	48.36	ug/l	98
47) Bromodichloromethane	9.40	83	538493	49.40	ug/l	99
48) Methyl methacrylate	9.20	41	263384	47.64	ug/l	98
49) 1,4-Dioxane	9.20	88	70472	967.64	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1843658	248.12	ug/l	100
52) Toluene	10.16	92	1010366	52.15	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	535212	52.71	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	629225	54.02	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	350469	48.43	ug/l	99
56) Ethyl methacrylate	10.43	69	428161	46.51	ug/l	98
57) 1,3-Dichloropropane	10.71	76	594599	50.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1024311	232.39	ug/l	100
59) 2-Hexanone	10.75	43	1226976	255.85	ug/l	99
60) Dibromochloromethane	10.90	129	405079	50.71	ug/l	99
61) 1,2-Dibromoethane	11.01	107	346056	50.21	ug/l	99
64) Tetrachloroethene	10.63	164	402859	48.86	ug/l	97
65) Chlorobenzene	11.43	112	1107796	50.14	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	407450	49.19	ug/l	100
67) Ethyl Benzene	11.51	91	1919863	53.81	ug/l	100
68) m/p-Xylenes	11.62	106	1488282	109.07	ug/l	100
69) o-Xylene	11.95	106	696679	53.54	ug/l	99
70) Styrene	11.96	104	1161526	50.19	ug/l	99
71) Bromoform	12.13	173	271048	49.35	ug/l #	99
73) Isopropylbenzene	12.25	105	1874191	52.11	ug/l	100
74) N-amyl acetate	12.07	43	446412	47.71	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	425858	51.05	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	337981m	45.35	ug/l	
77) Bromobenzene	12.53	156	468308	47.96	ug/l	99
78) n-propylbenzene	12.59	91	2171546	54.15	ug/l	100
79) 2-Chlorotoluene	12.67	91	1270901	50.83	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1559964	54.18	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105545	50.98	ug/l	99
82) 4-Chlorotoluene	12.77	91	1297850	52.53	ug/l	100
83) tert-Butylbenzene	12.99	119	1305852	52.24	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1586361	54.89	ug/l	100
85) sec-Butylbenzene	13.17	105	1760852	53.91	ug/l	100
86) p-Isopropyltoluene	13.29	119	1549672	55.99	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	835598	50.27	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	811463	49.19	ug/l	100
89) n-Butylbenzene	13.62	91	1251353	55.99	ug/l	99
90) Hexachloroethane	13.88	117	262840	47.23	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	793129	48.91	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57414	44.74	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:21 PM

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	394580	47.55	ug/l	99
94) Hexachlorobutadiene	15.01	225	249152	50.11	ug/l	98
95) Naphthalene	15.13	128	758221	43.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	371296	47.85	ug/l	99

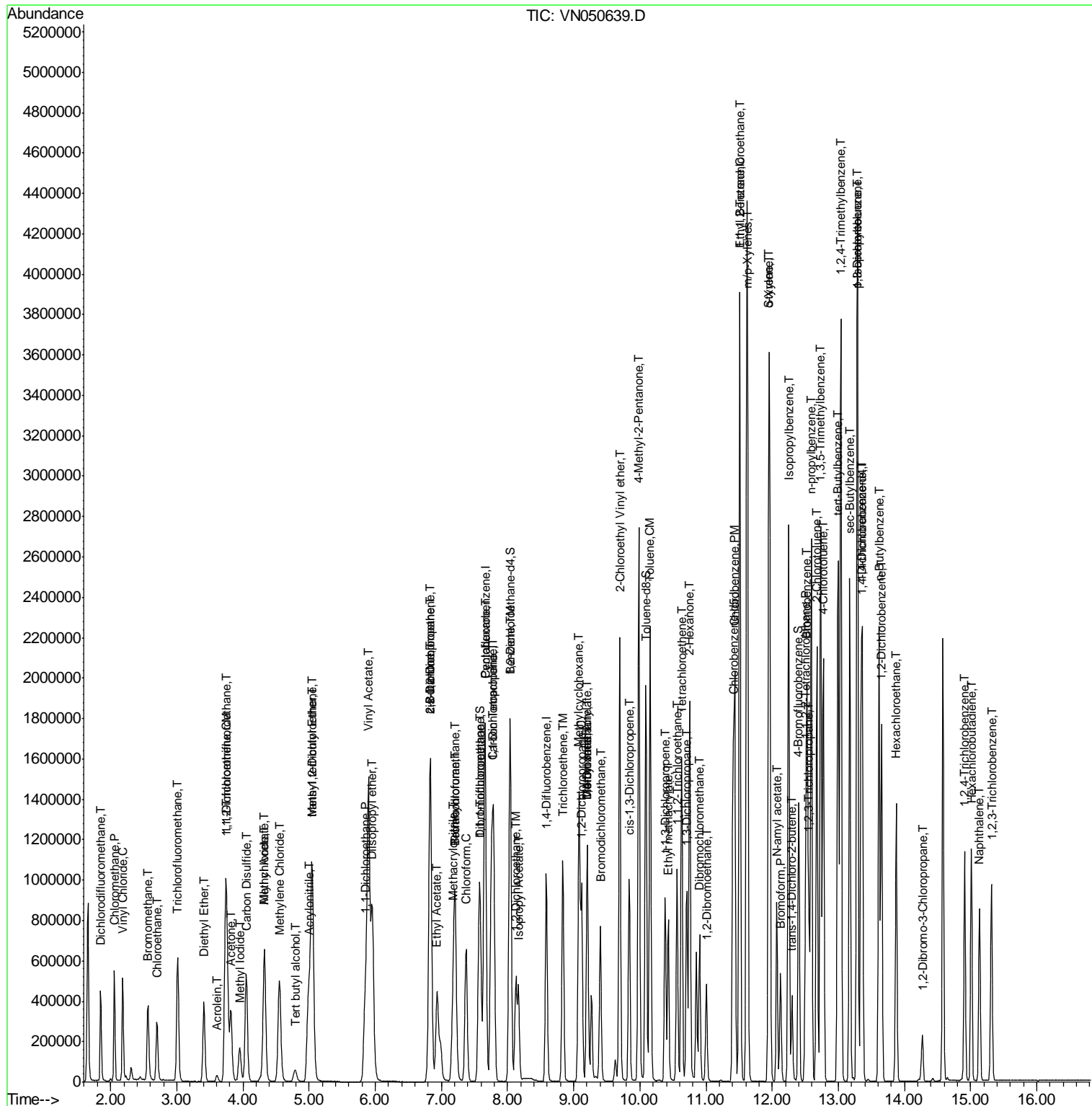
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

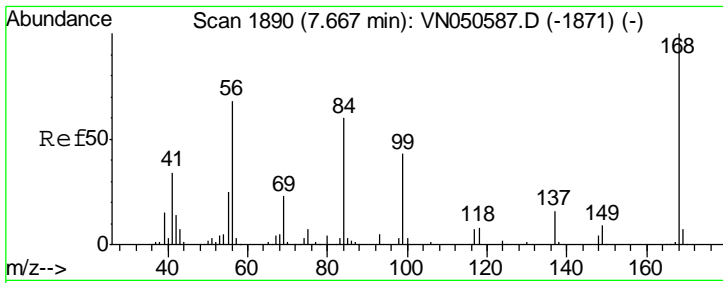
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC050

Manual Integrations
 APPROVED
 MMDadoda
 8/16/2018 1:18:21 PM

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



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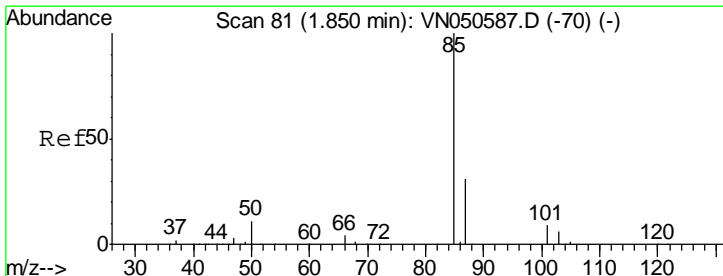
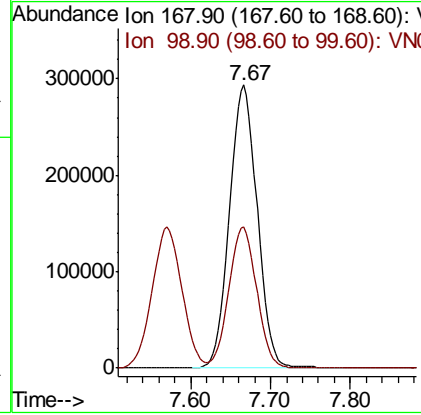
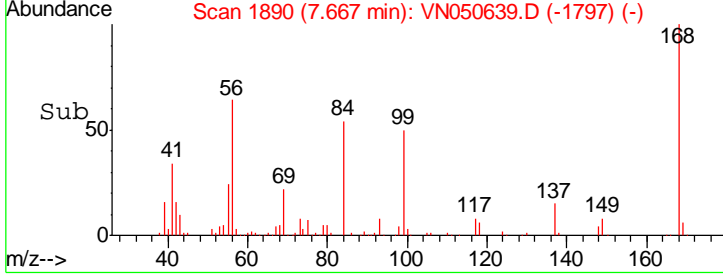
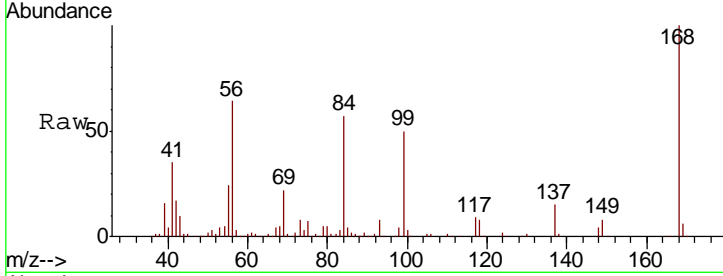


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

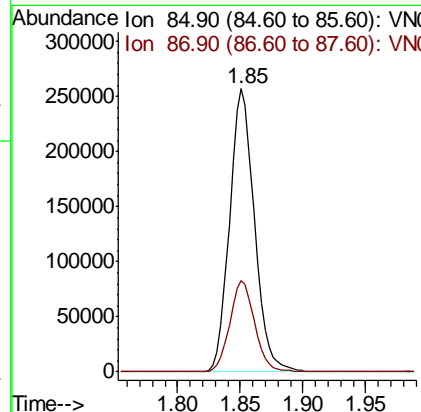
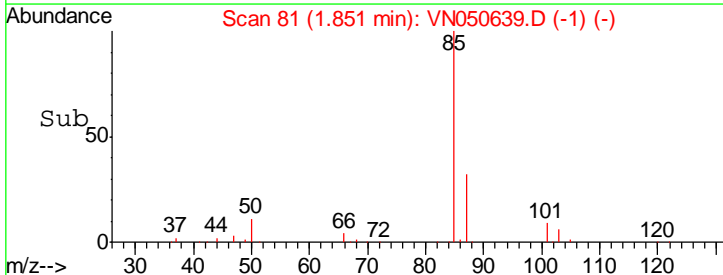
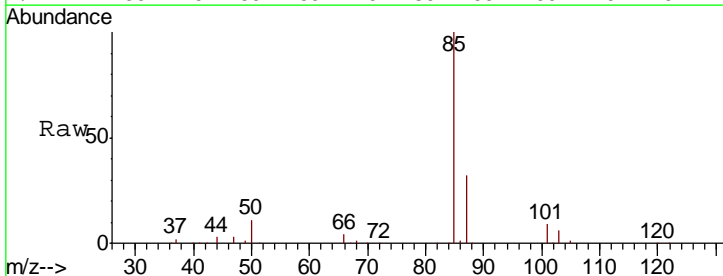
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.6	40.8	61.2

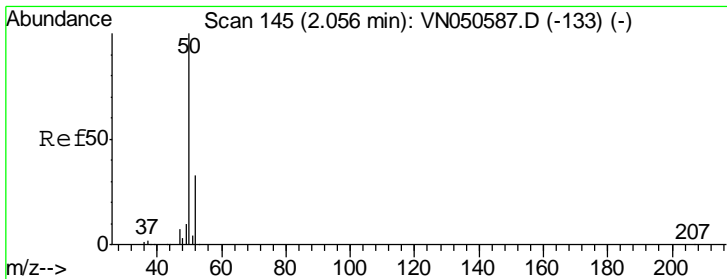
Manual Integrations
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 MMDadoda
 8/16/2018 1:18:21 PM



#2
 Dichlorodifluoromethane
 Concen: 45.07 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.3	15.8	47.3





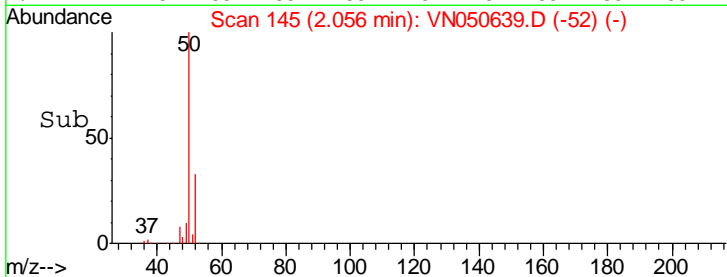
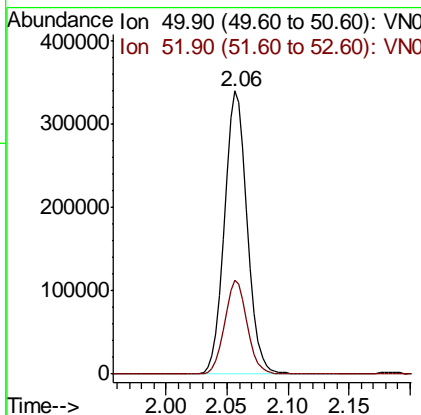
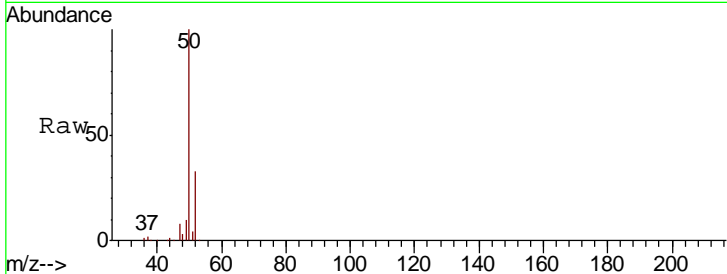
#3
 Chloromethane
 Concen: 46.80 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
50	446607		
52	33.2	26.0	39.0

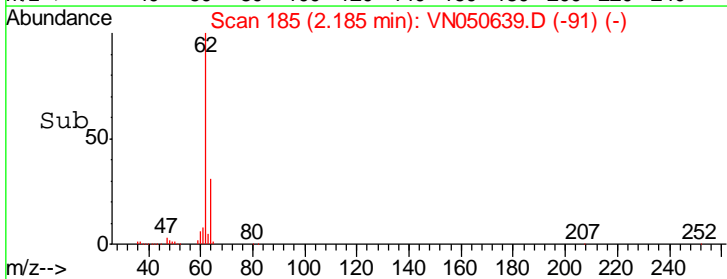
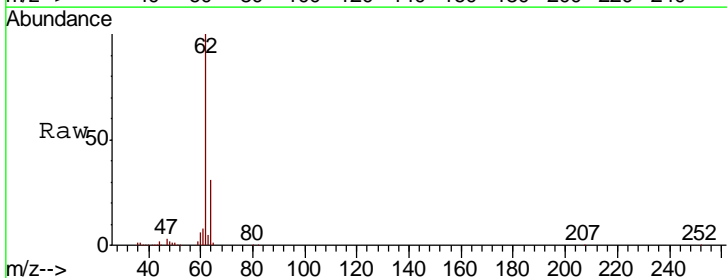
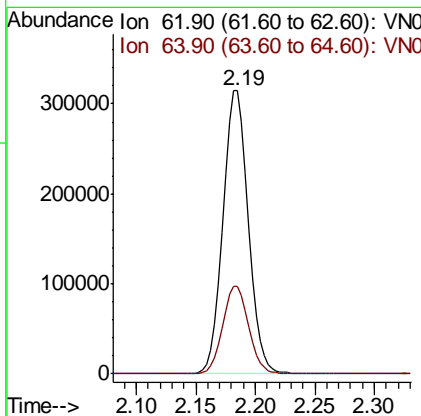
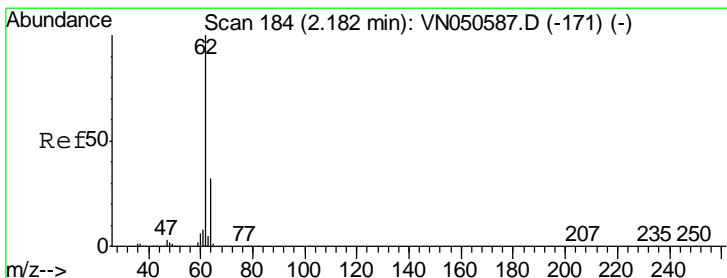
Manual Integrations
 APPROVED

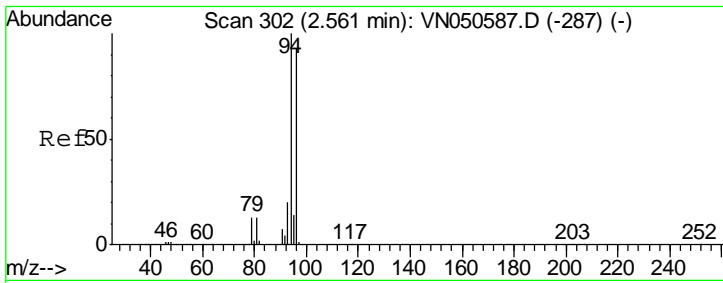
MMDadoda
 8/16/2018 1:18:21 PM



#4
 Vinyl Chloride
 Concen: 44.73 ug/l
 RT: 2.19 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
62	465111		
64	30.9	25.2	37.8



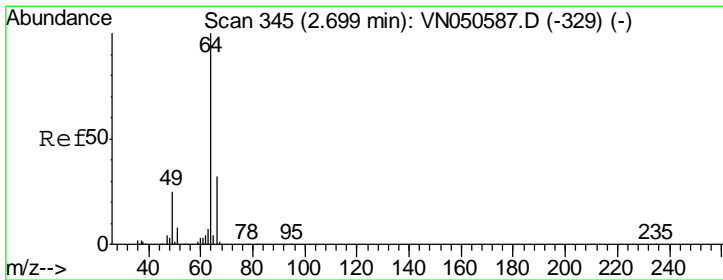
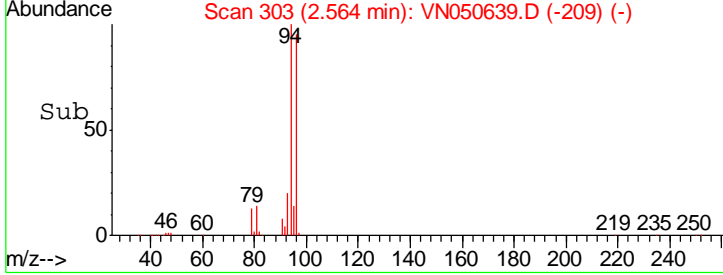
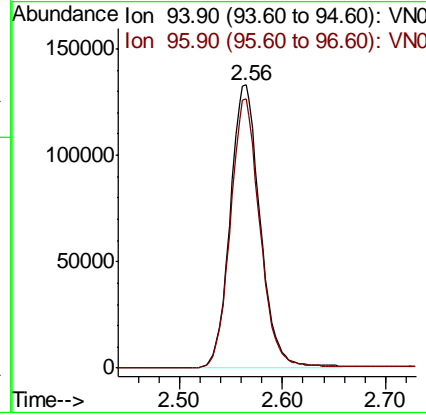
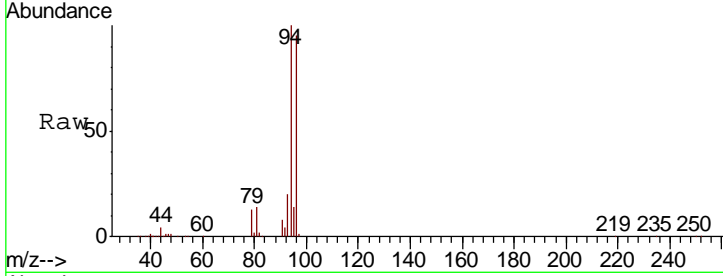


#5
 Bromomethane
 Concen: 48.29 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Ratio	Lower	Upper
94	100		
96	94.9	74.0	111.0

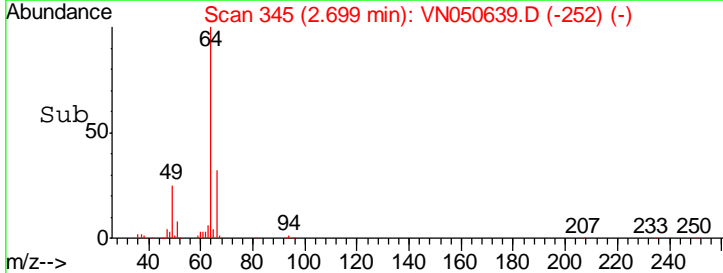
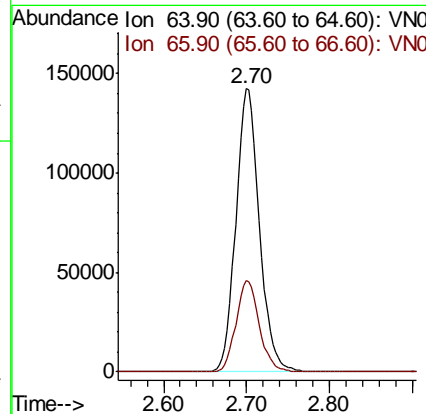
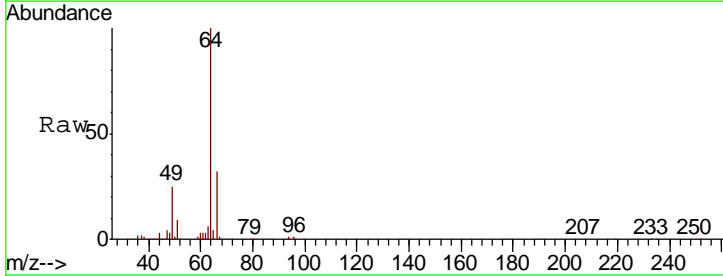
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

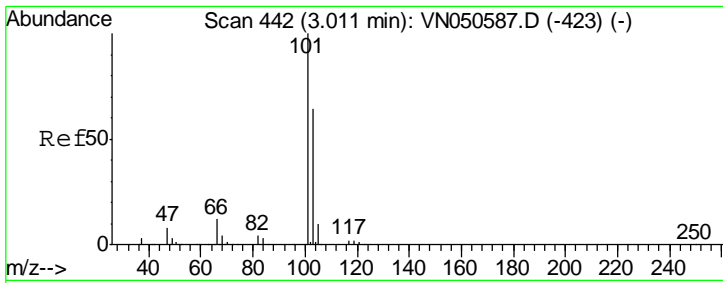
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#6
 Chloroethane
 Concen: 48.73 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.1	25.7	38.5





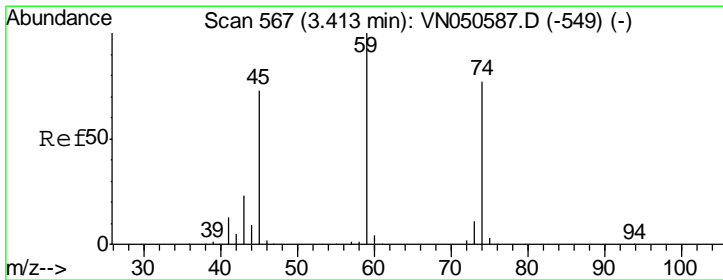
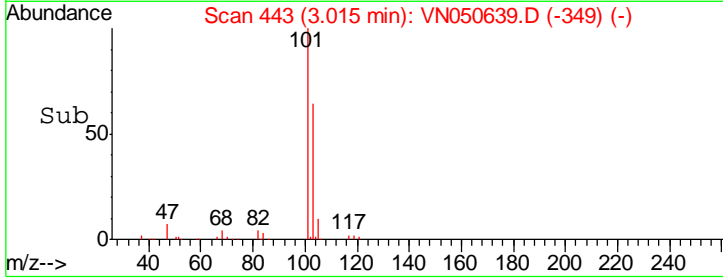
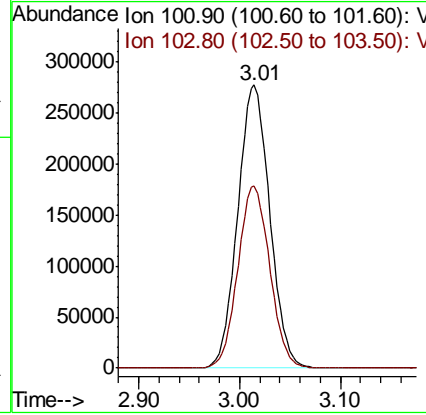
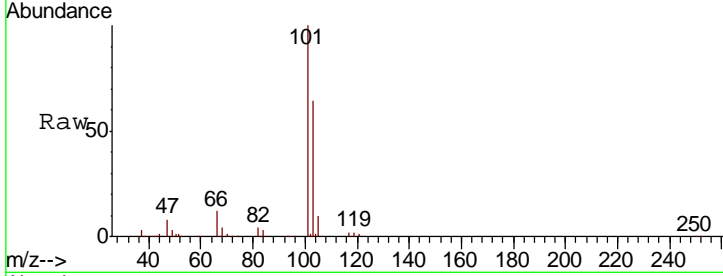
#7
 Trichlorofluoromethane
 Concen: 44.78 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
101	610957		
103	64.4	51.4	77.0

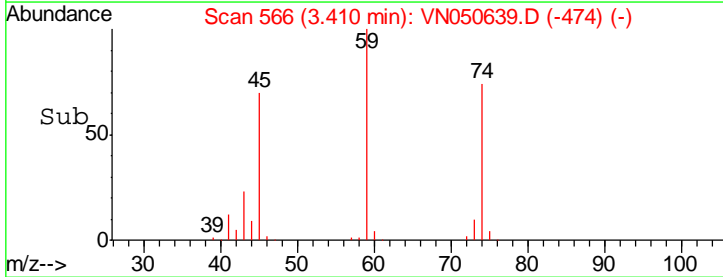
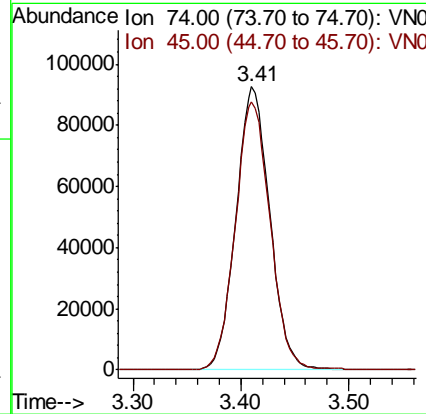
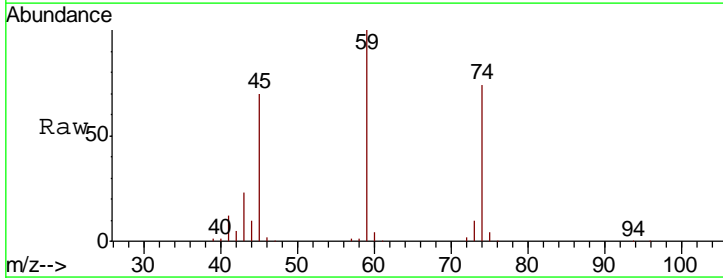
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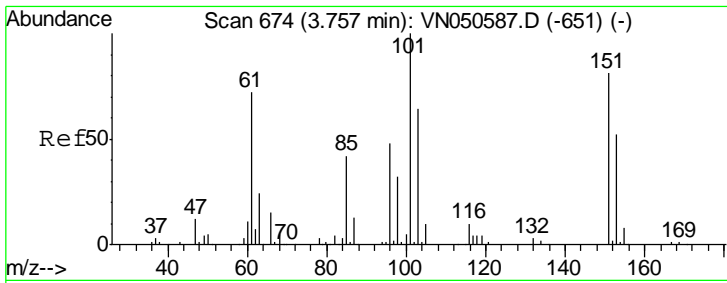
MMDadoda
 8/16/2018 1:18:21 PM



#8
 Diethyl Ether
 Concen: 44.58 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

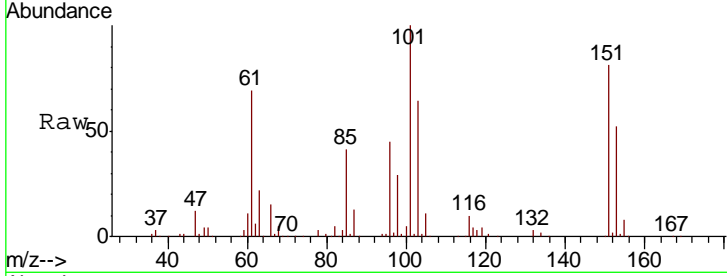
Tgt Ion	Resp	Lower	Upper
74	202319		
45	97.7	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.51 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

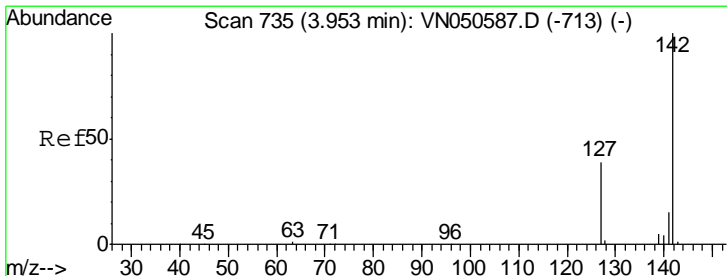
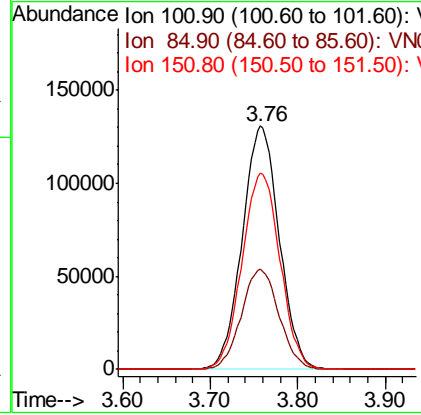
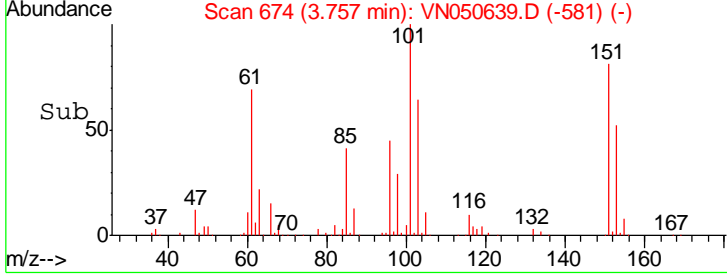
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



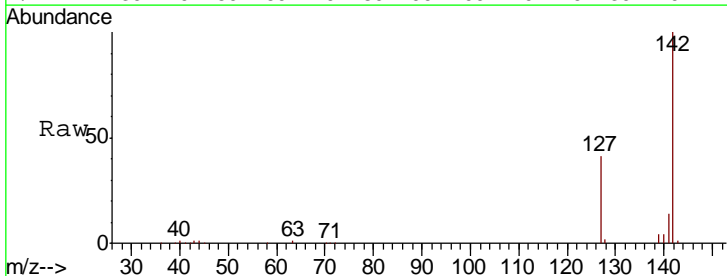
Tgt Ion: 101 Resp: 383700

Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.4	50.0
151	82.7	66.6	100.0

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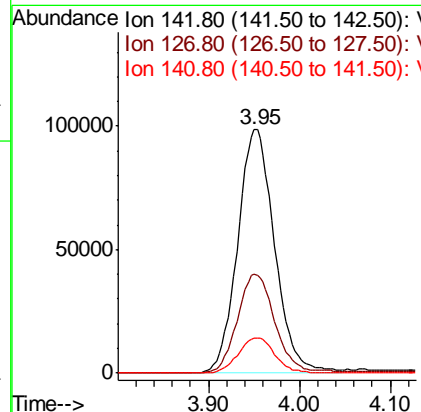
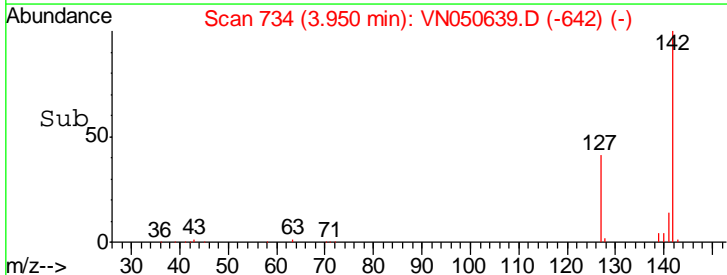


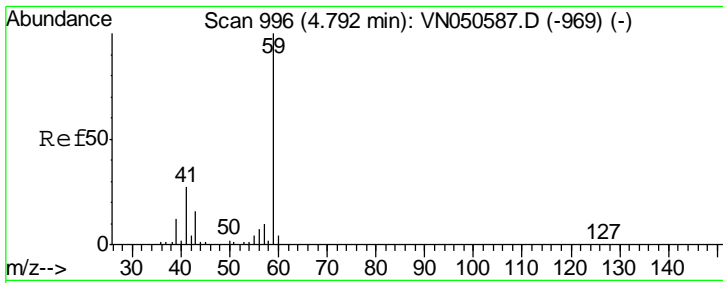
#10
 Methyl Iodide
 Concen: 47.78 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26



Tgt Ion: 142 Resp: 278076

Ion	Ratio	Lower	Upper
142	100		
127	41.0	32.6	49.0
141	14.4	11.5	17.3





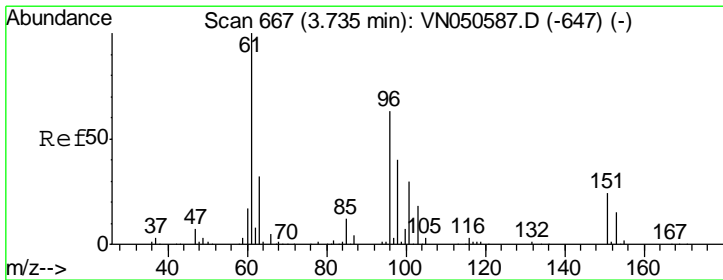
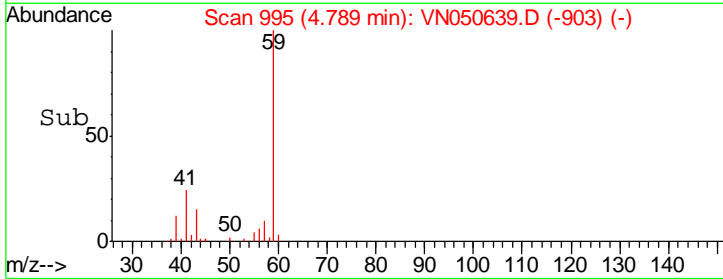
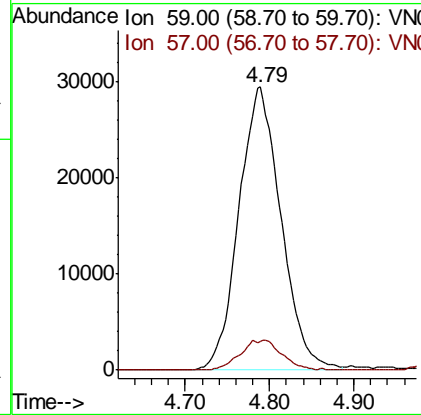
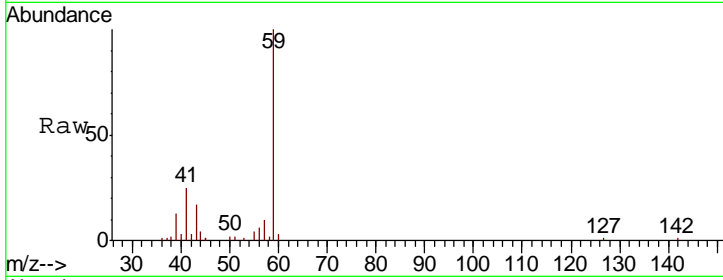
#11
 Tert butyl alcohol
 Concen: 213.86 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
59	102190		
57	0.0	8.4	12.6#

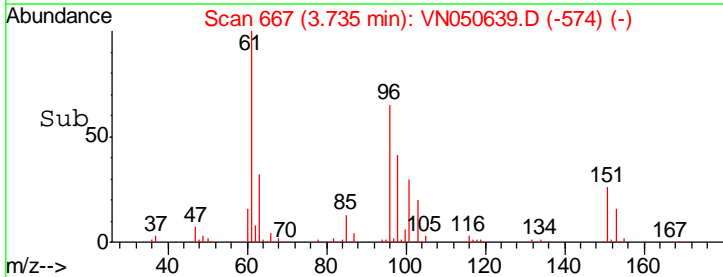
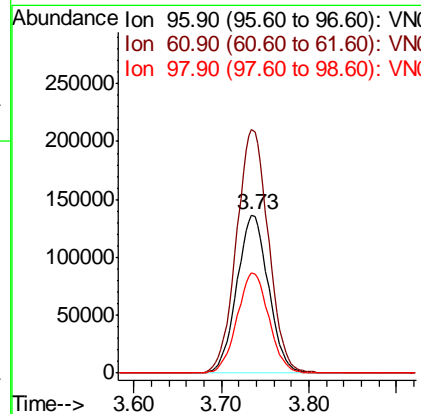
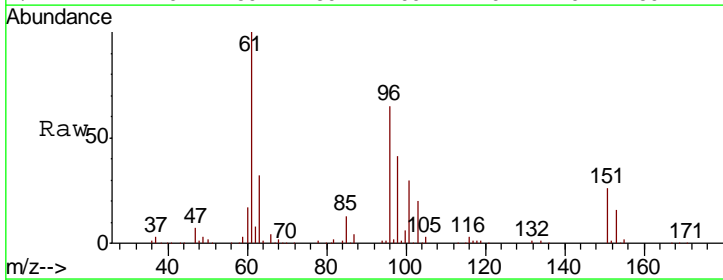
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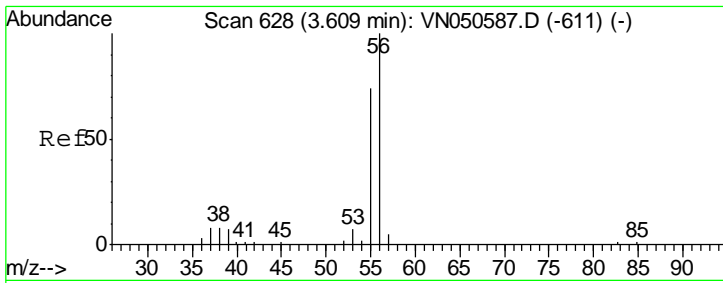
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#12
 1,1-Dichloroethene
 Concen: 45.44 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
96	342318		
61	154.2	126.9	190.3
98	63.3	51.1	76.7





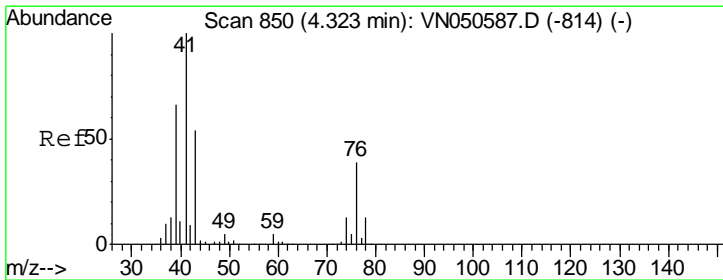
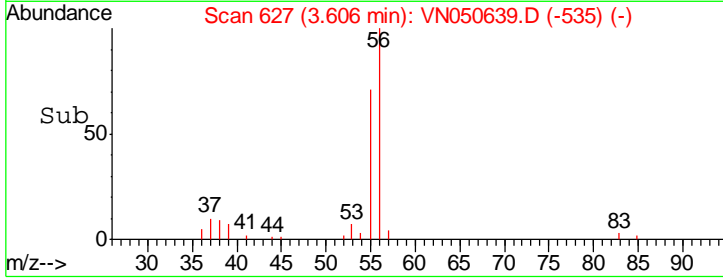
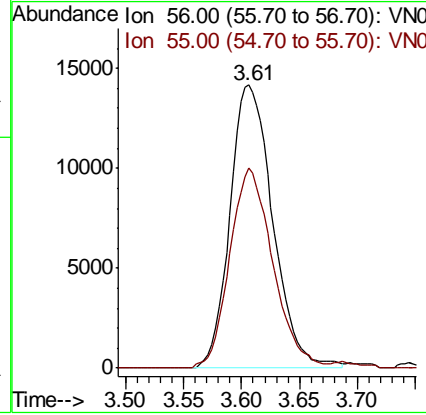
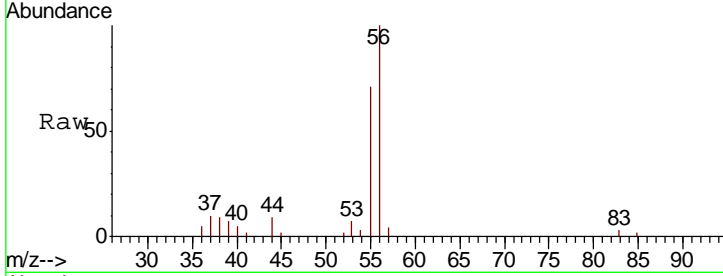
#13
 Acrolein
 Concen: 197.79 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDC050

Tgt Ion	Resp	Lower	Upper
56	36389		
55	71.0	56.3	84.5

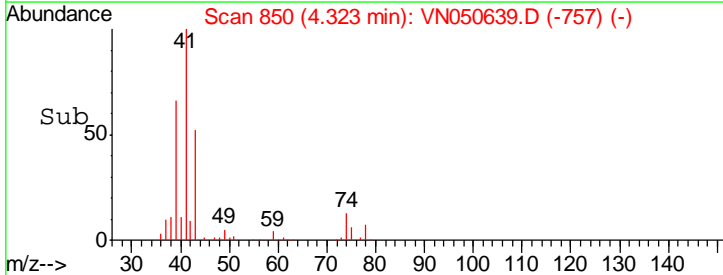
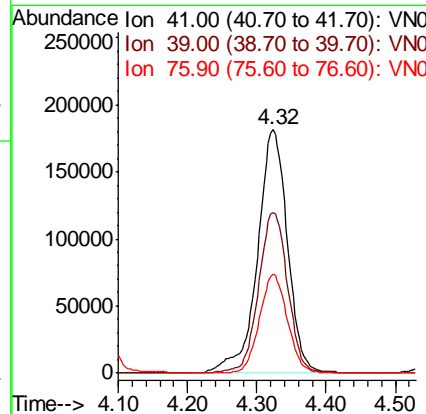
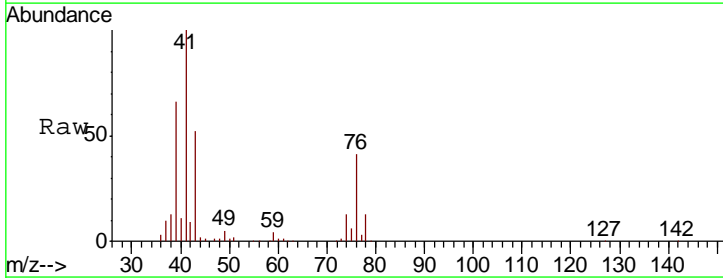
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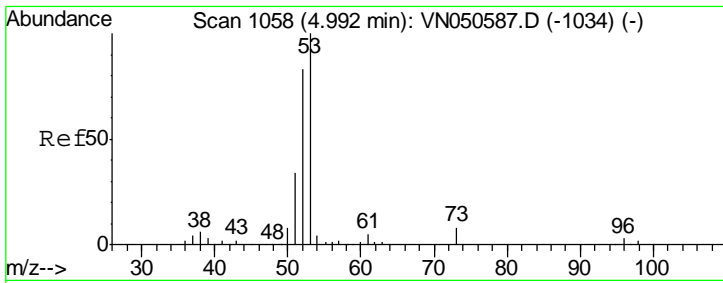
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#14
 Allyl chloride
 Concen: 46.39 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
41	543541		
39	64.1	51.4	77.0
76	37.4	29.4	44.0





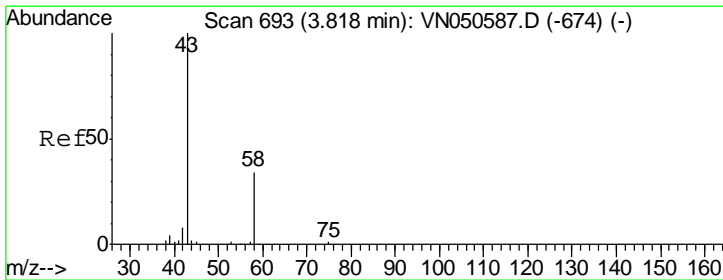
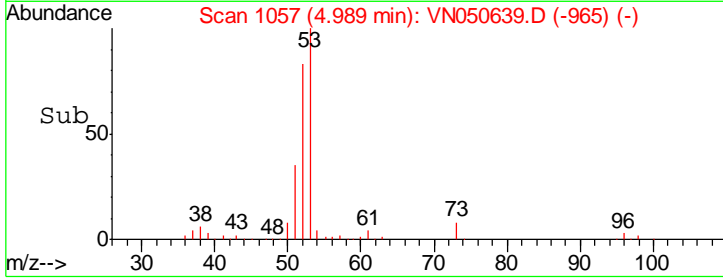
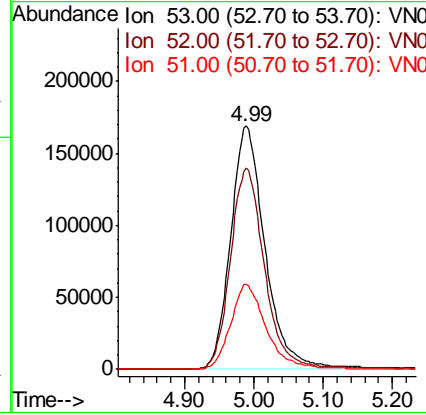
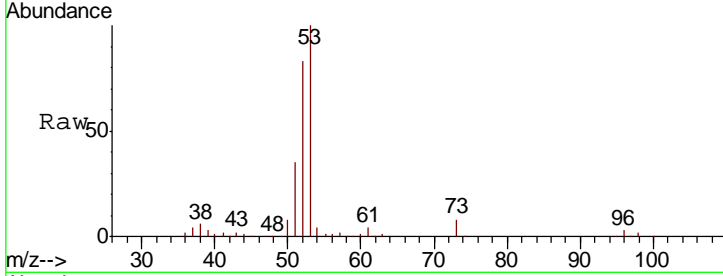
#15
 Acrylonitrile
 Concen: 222.78 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.4	66.2	99.2
51	36.4	28.6	43.0

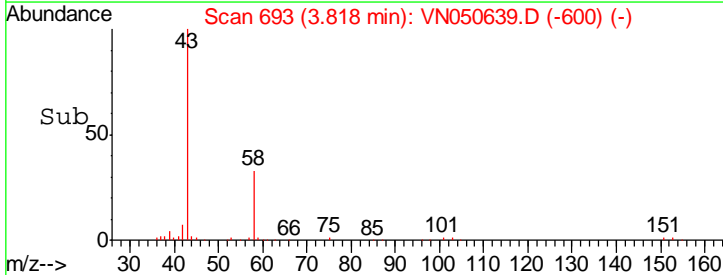
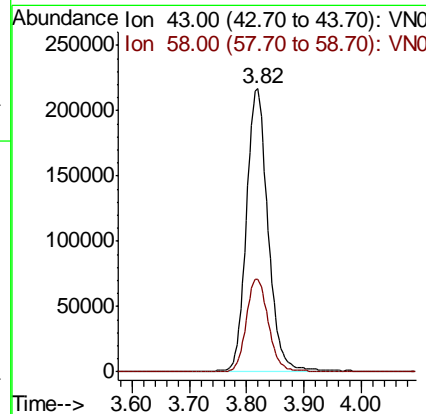
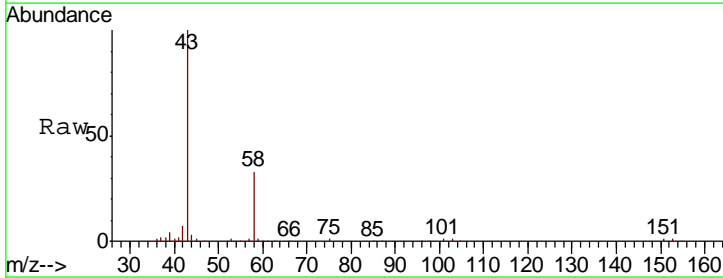
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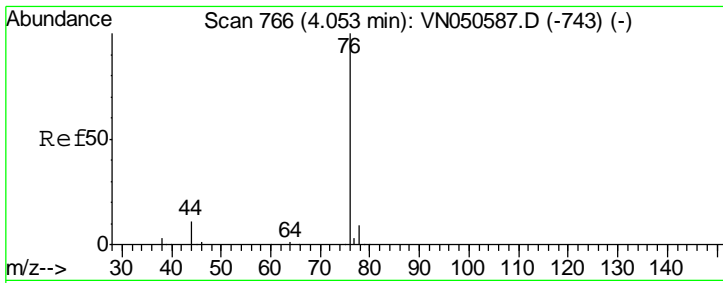
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#16
 Acetone
 Concen: 260.24 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.6	27.1	40.7





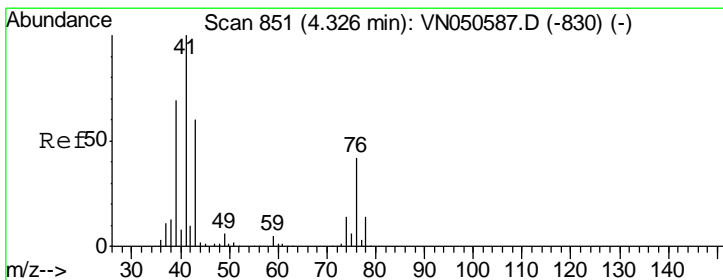
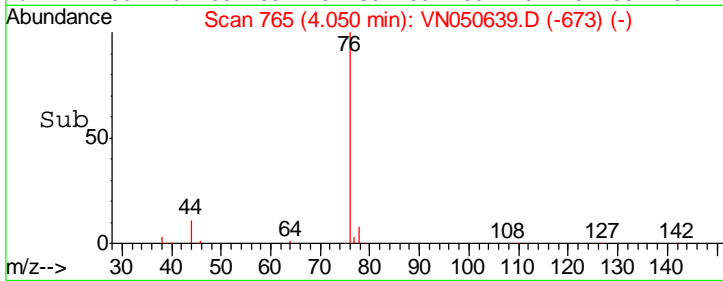
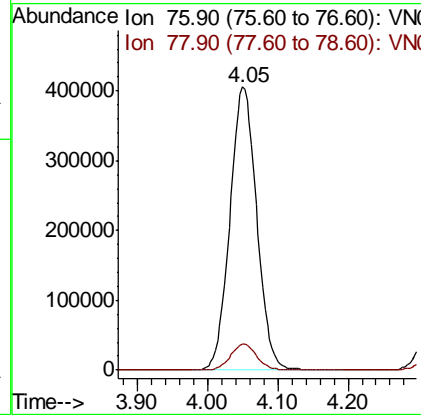
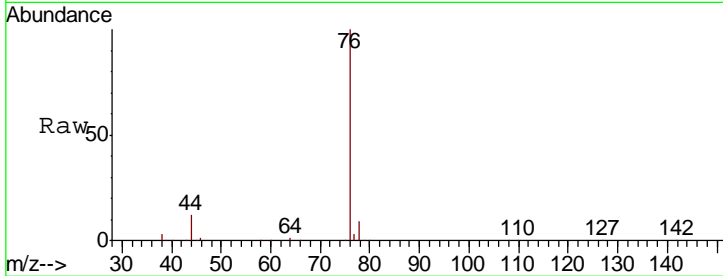
#17
 Carbon Disulfide
 Concen: 45.56 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 76 Resp: 1079967

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

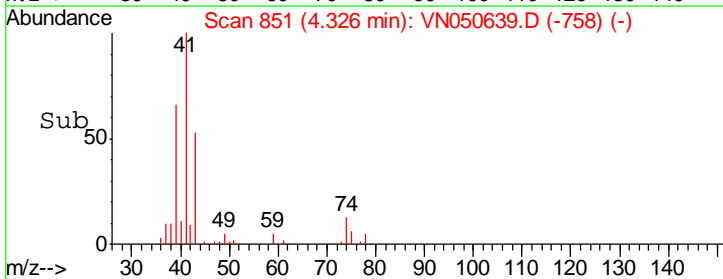
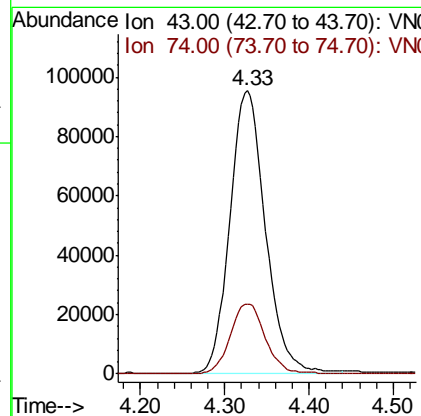
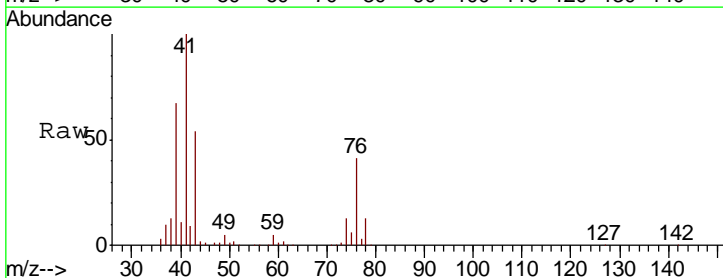
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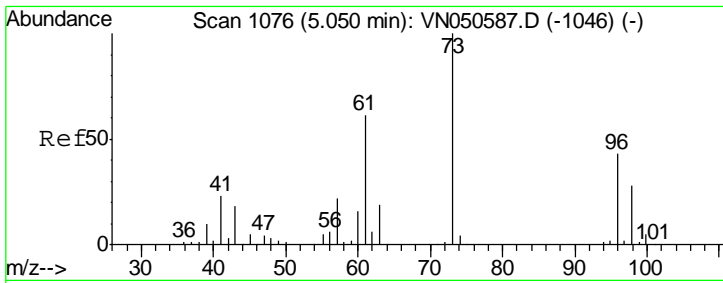


#18
 Methyl Acetate
 Concen: 44.99 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 43 Resp: 277117

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.7	29.5





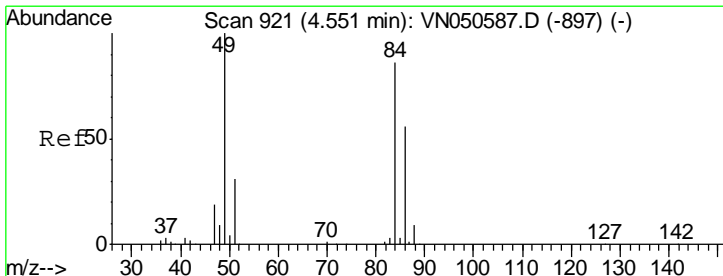
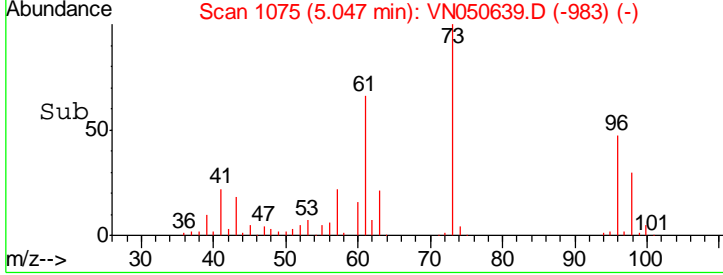
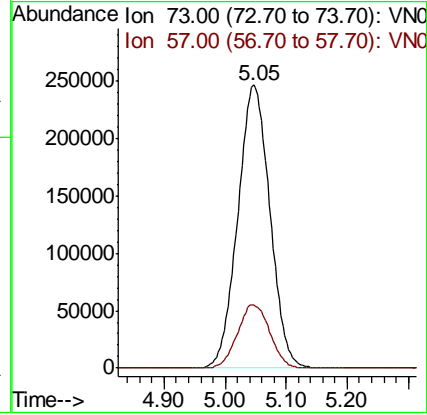
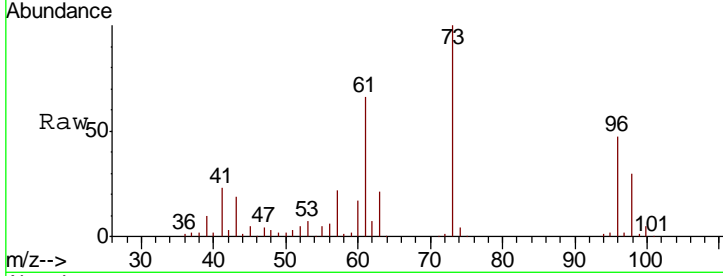
#19
 Methyl tert-butyl Ether
 Concen: 47.02 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 73 Resp: 901391

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

Instrument : MSVOA_N
 Client Sampled : VSTDC050

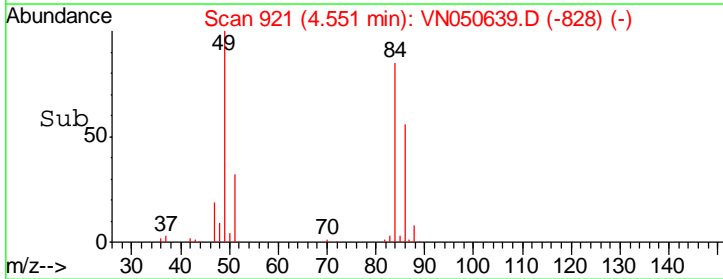
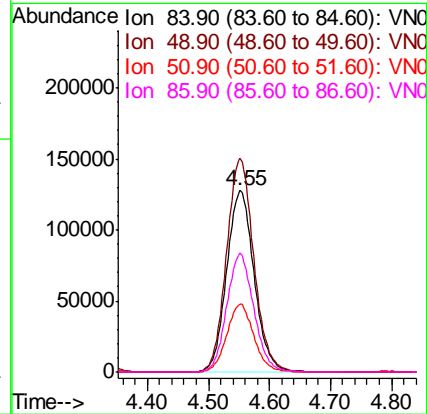
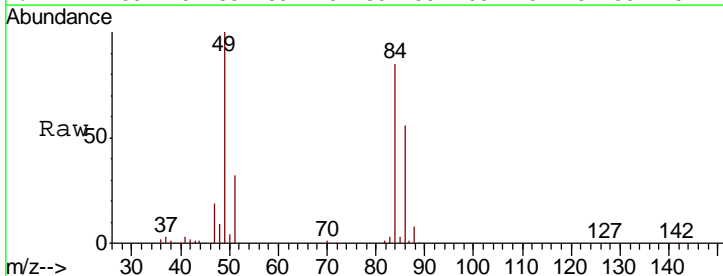
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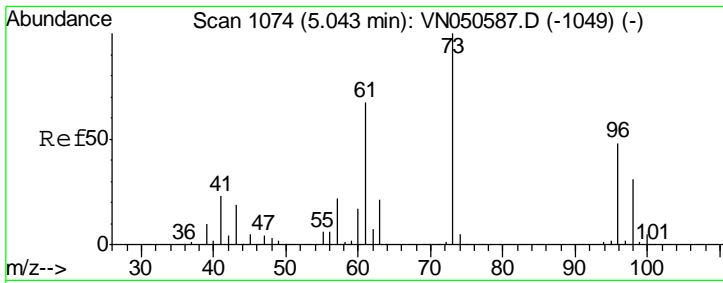


#20
 Methylene Chloride
 Concen: 48.01 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 84 Resp: 399729

Ion	Ratio	Lower	Upper
84	100		
49	117.9	92.6	138.8
51	37.7	28.6	43.0
86	65.6	52.2	78.2



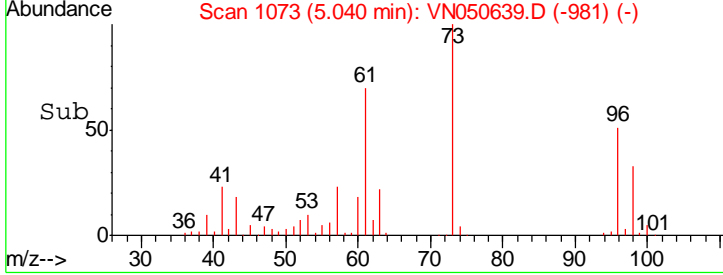
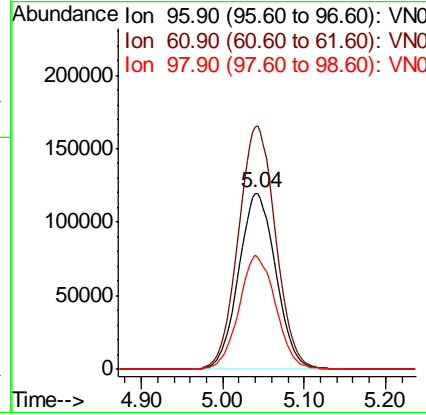
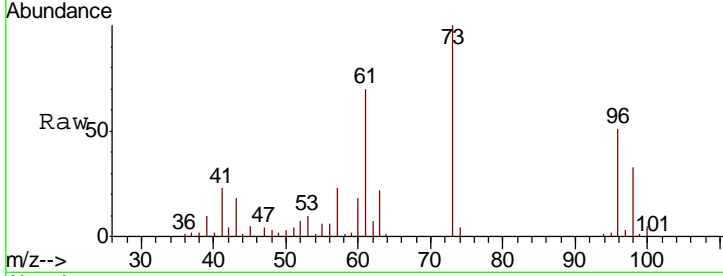


#21
 trans-1,2-Dichloroethene
 Concen: 46.38 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 Client Sampled : VSTDC050

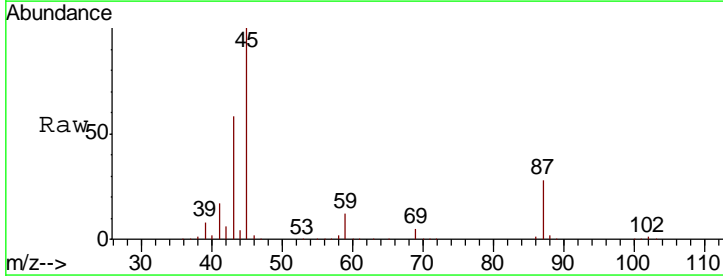
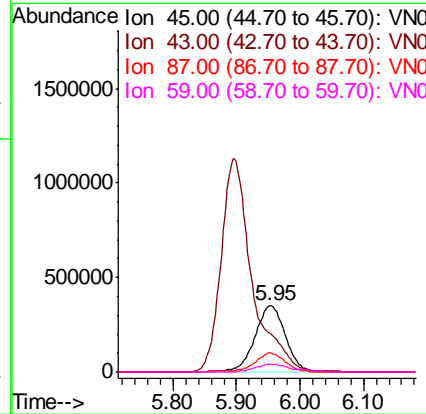
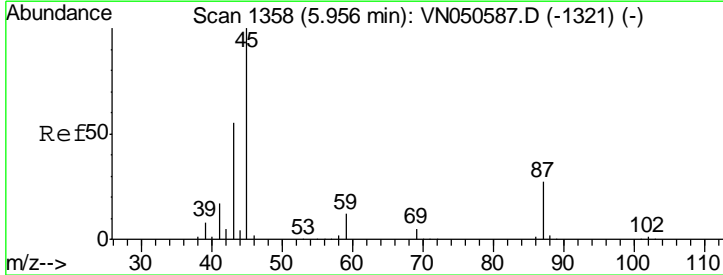
Tgt Ion	Resp	Lower	Upper
96	378812		
96	100		
61	137.6	111.2	166.8
98	64.6	51.6	77.4

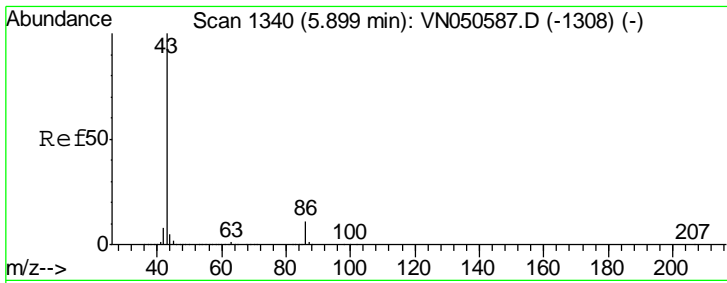
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#22
 Diisopropyl ether
 Concen: 48.70 ug/l
 RT: 5.95 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
45	1170058		
45	100		
43	57.2	44.5	66.7
87	28.3	22.2	33.2
59	11.9	9.5	14.3





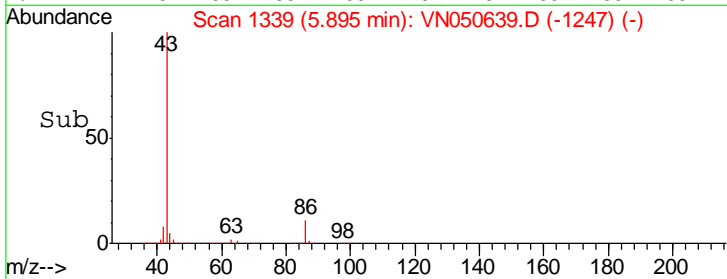
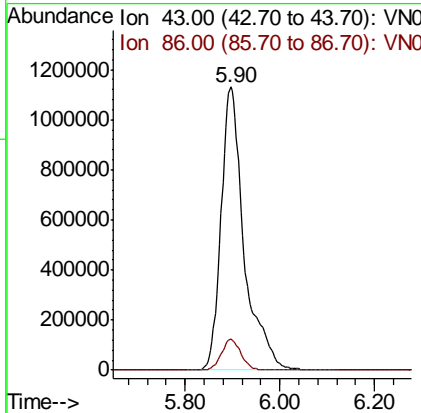
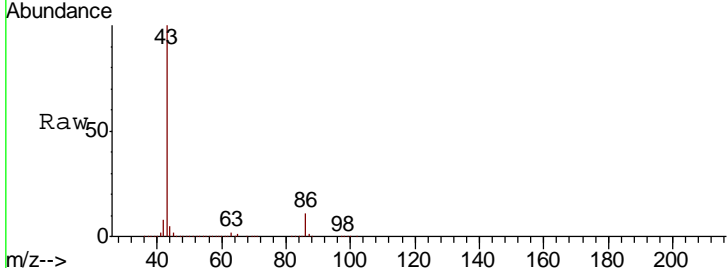
#23
 Vinyl Acetate
 Concen: 243.15 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 3821187

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.4	12.6

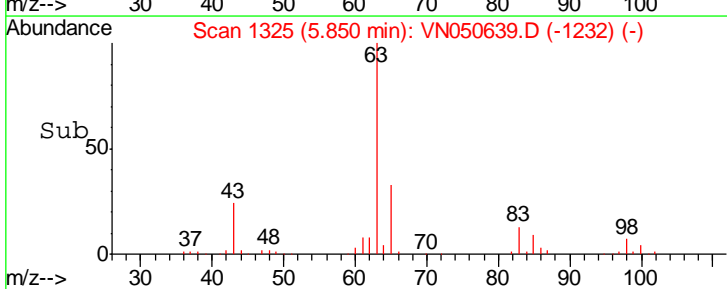
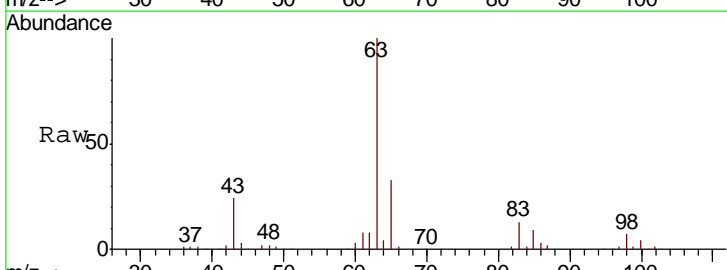
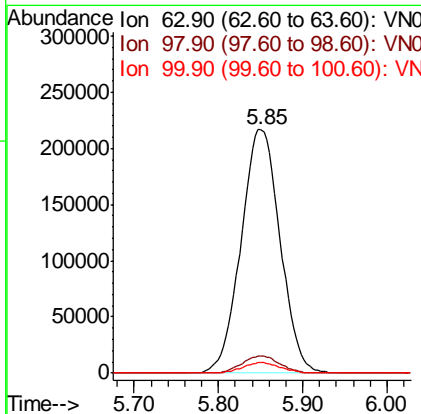
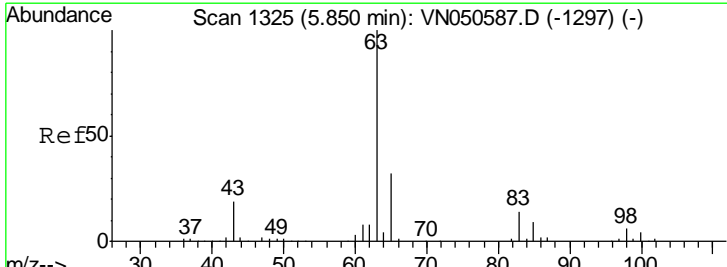
Manual Integrations
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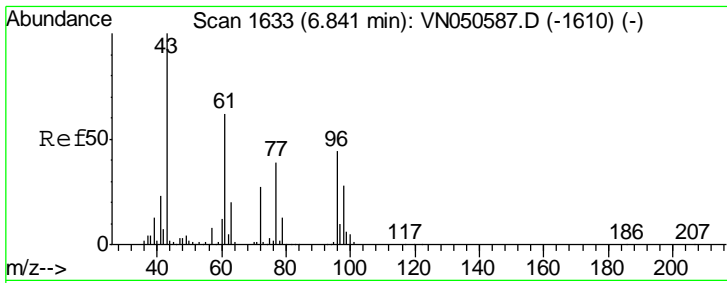


#24
 1,1-Dichloroethane
 Concen: 44.91 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 63 Resp: 698134

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.2	9.6
100	4.2	2.1	6.5



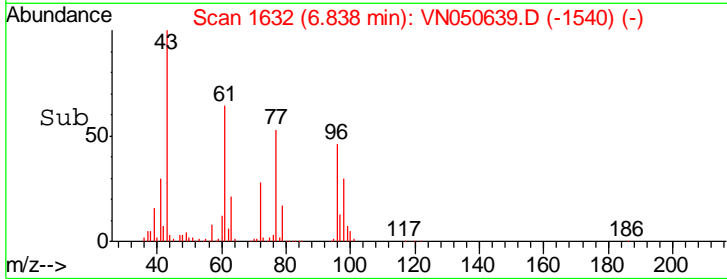
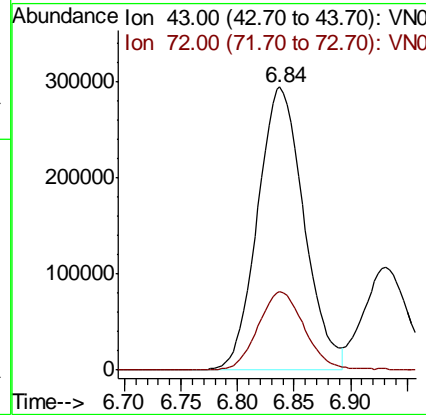
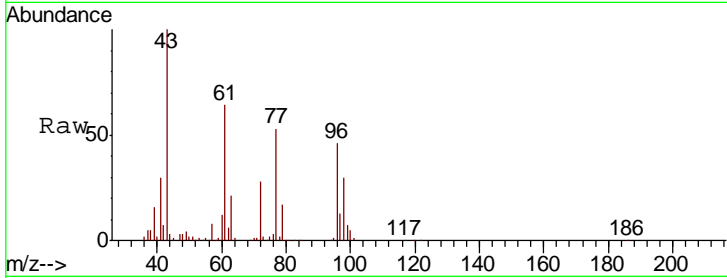


#25
 2-Butanone
 Concen: 233.68 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

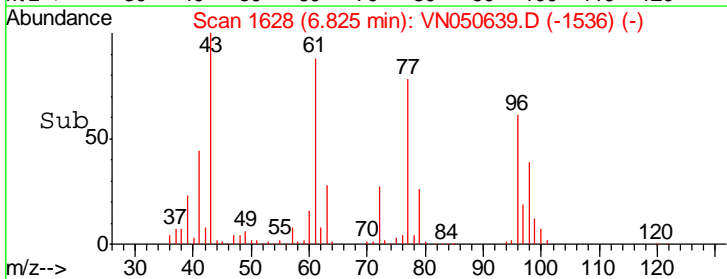
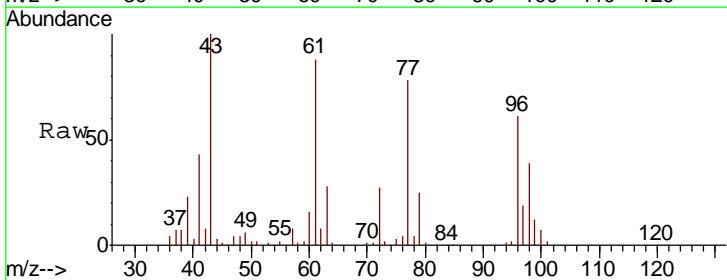
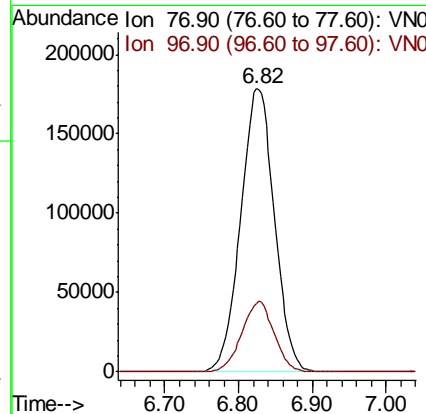
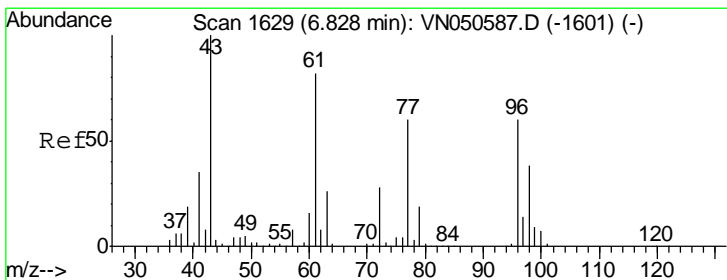
Tgt Ion	Resp	Lower	Upper
43	100		
72	27.7	21.8	32.6

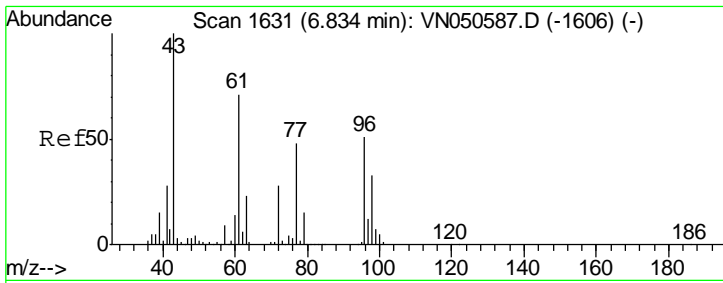
Manual Integrations
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 MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 54.58 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.9	12.2	36.4



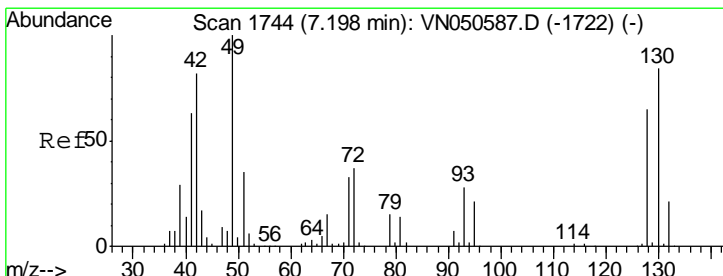
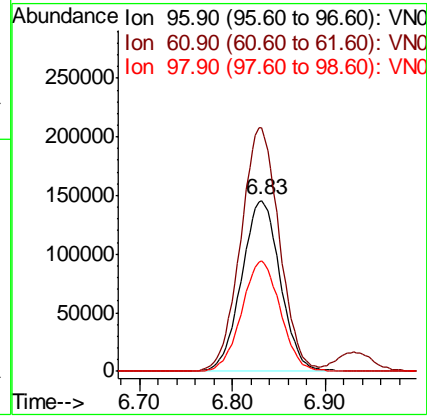
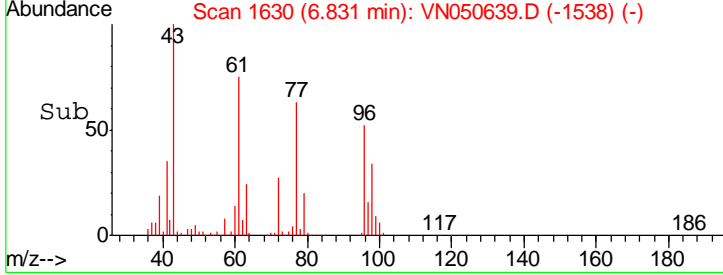
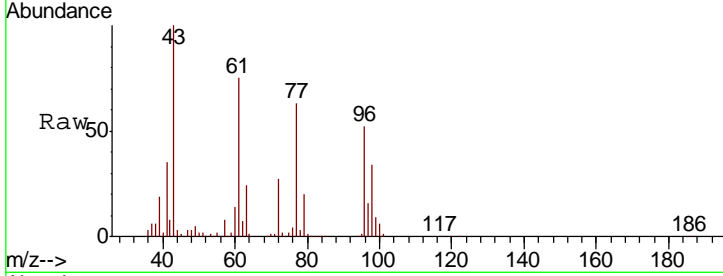


#27
 cis-1,2-Dichloroethene
 Concen: 46.28 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

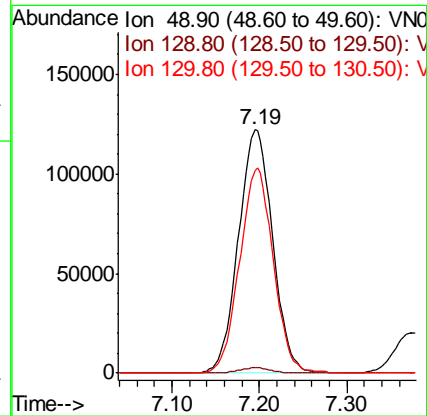
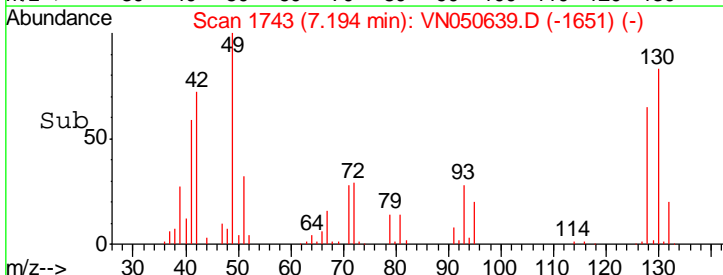
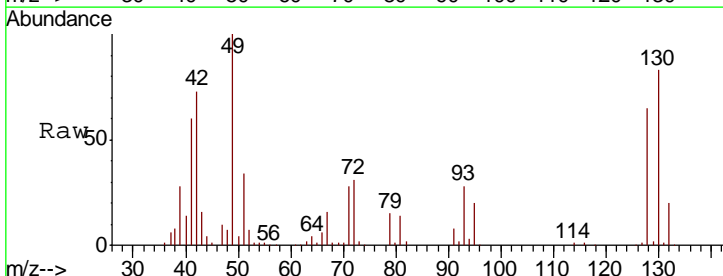
Tgt Ion	Resp	Lower	Upper
96	420900		
96	100		
61	142.8	0.0	278.2
98	64.6	0.0	128.8

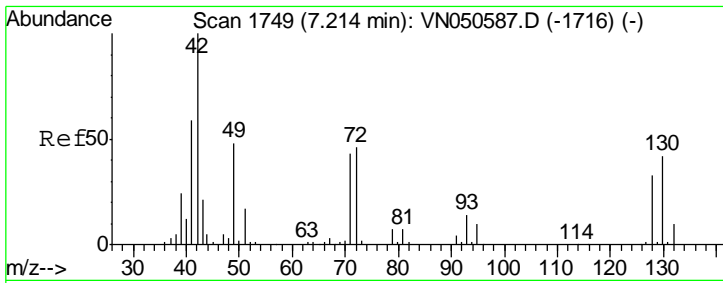
Manual Integrations
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#28
 Bromochloromethane
 Concen: 46.93 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
49	331998		
49	100		
129	2.1	0.0	4.2
130	82.8	66.8	100.2





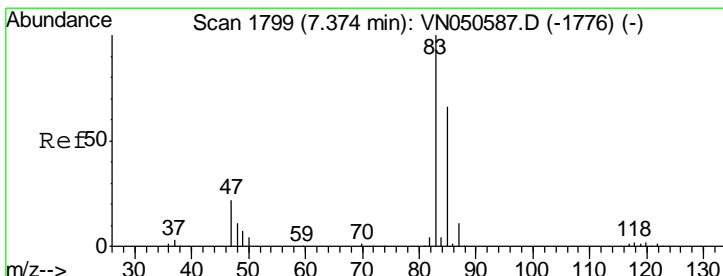
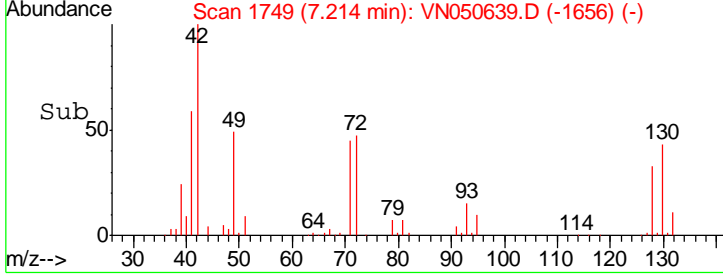
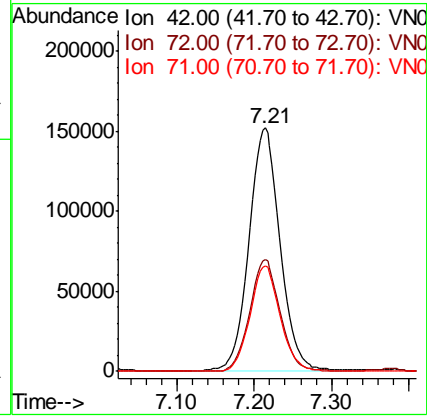
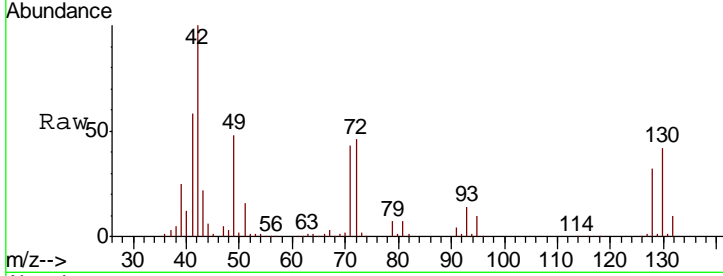
#29
 Tetrahydrofuran
 Concen: 228.89 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 42 Resp: 428816

Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.8	53.6
71	41.9	33.4	50.0

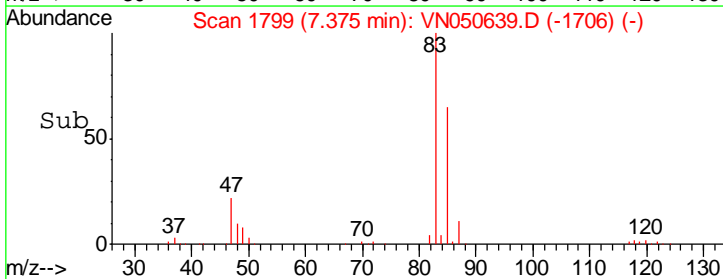
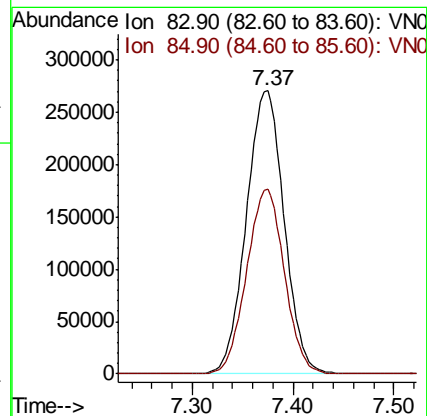
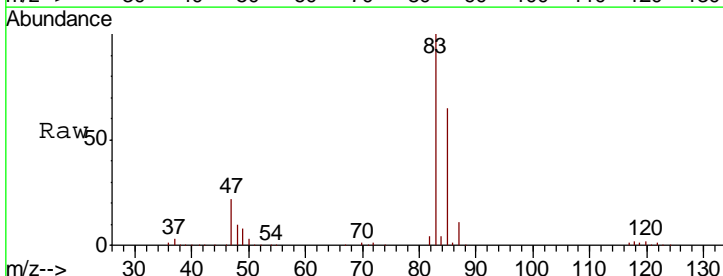
Manual Integrations
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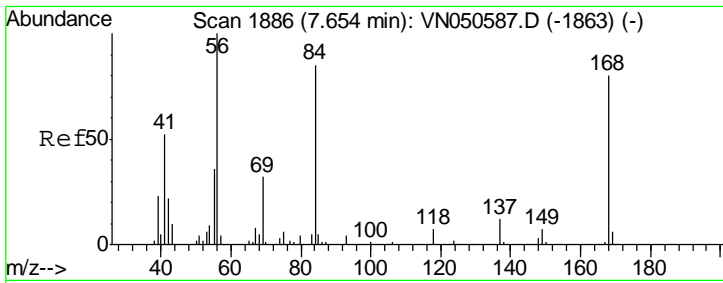


#30
 Chloroform
 Concen: 44.53 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 83 Resp: 701440

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7



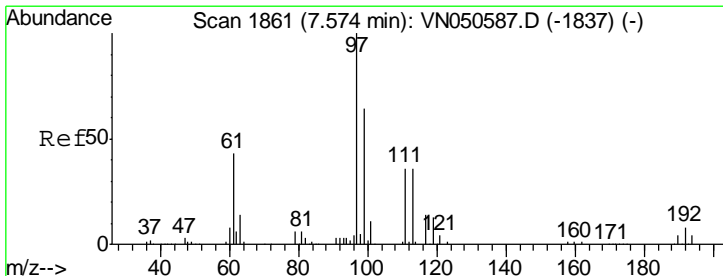
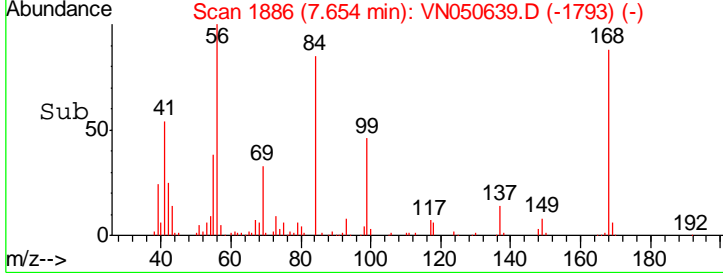
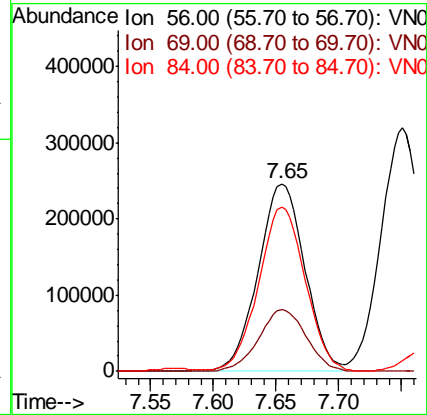
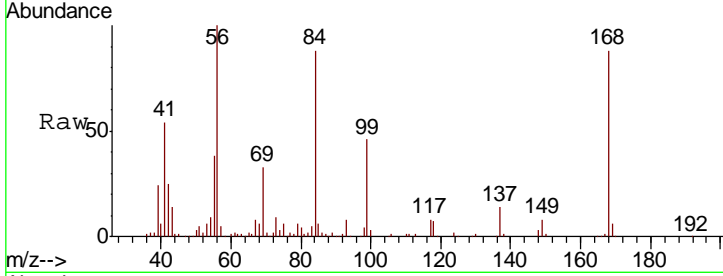


#31
 Cyclohexane
 Concen: 48.03 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

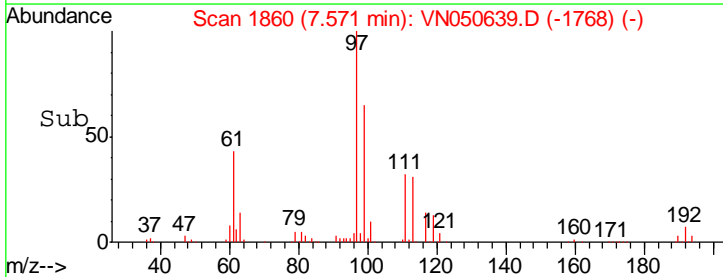
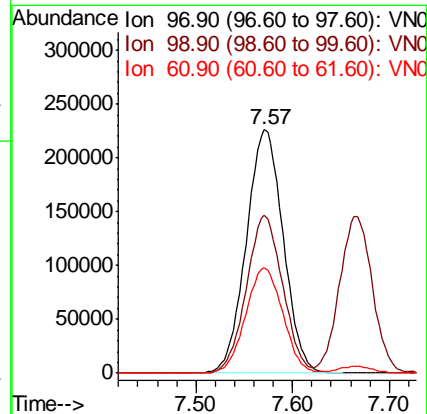
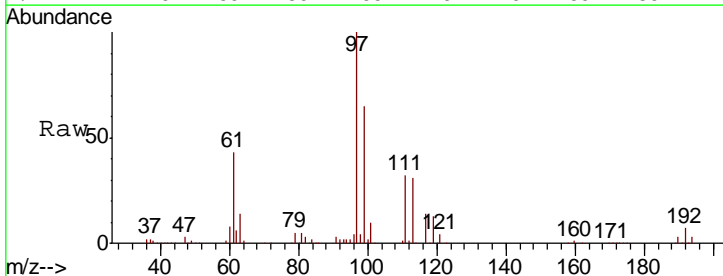
Tgt Ion	Resp	Lower	Upper
56	100		
69	32.7	25.8	38.6
84	86.5	67.8	101.6

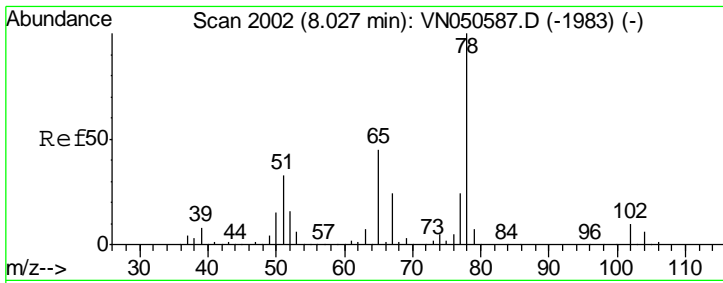
Manual Integrations
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#32
 1,1,1-Trichloroethane
 Concen: 45.22 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.7	51.1	76.7
61	43.6	34.8	52.2



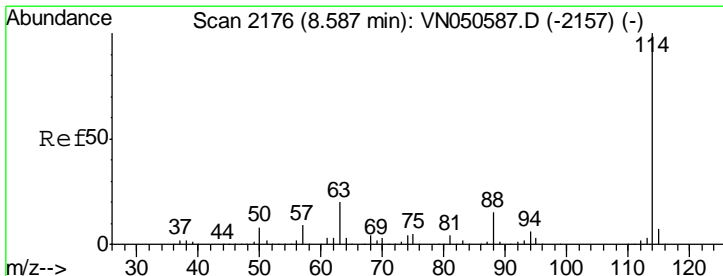
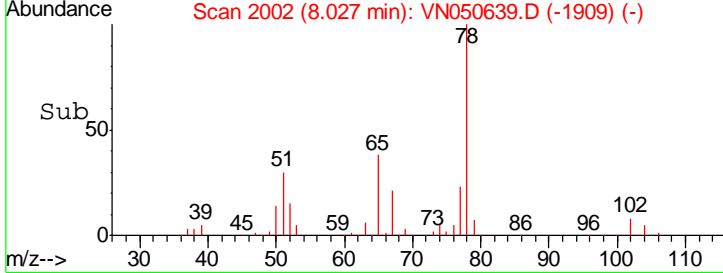
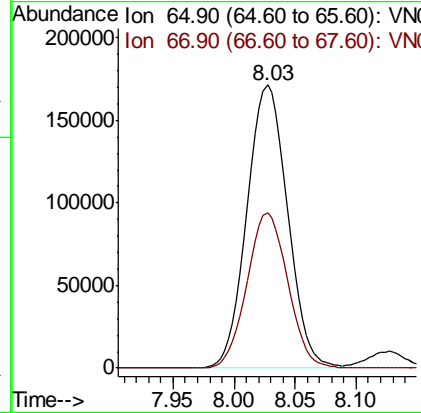
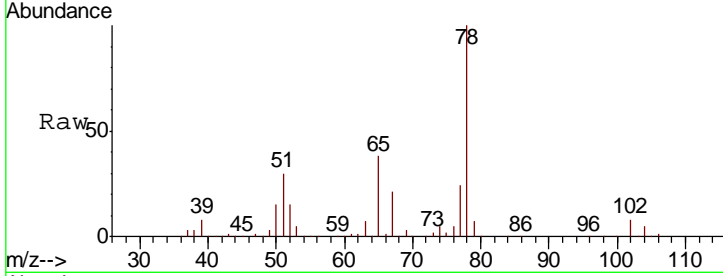


#33
 1,2-Dichloroethane-d4
 Concen: 45.19 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

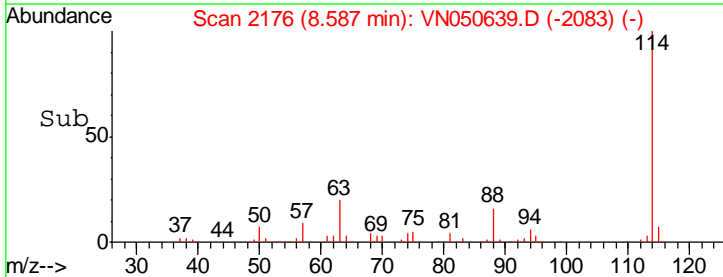
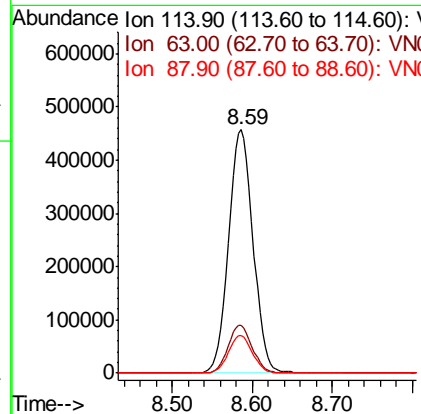
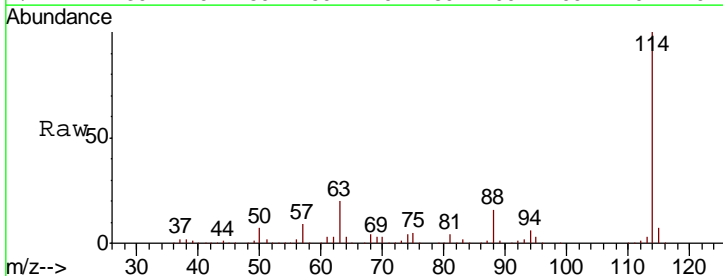
Tgt Ion	Resp	Lower	Upper
65	100		
67	55.1	0.0	109.8

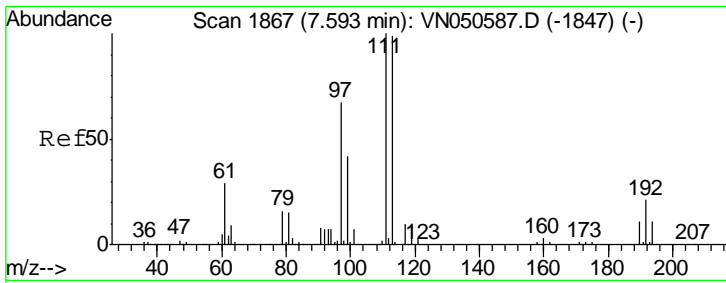
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	15.5	0.0	30.8





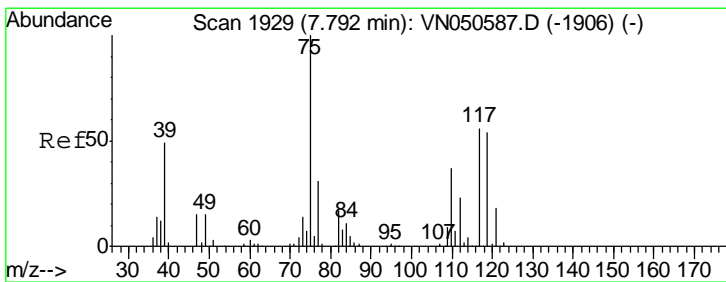
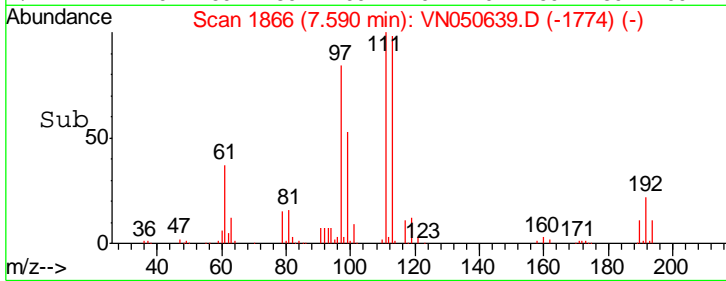
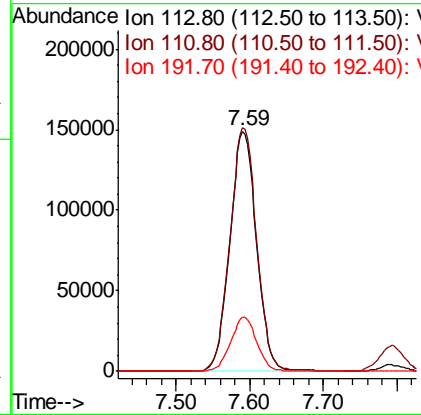
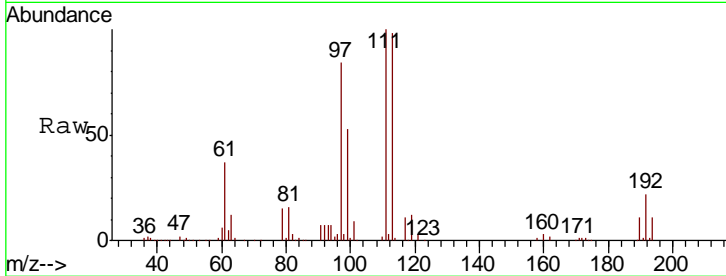
#35
 Dibromofluoromethane
 Concen: 48.80 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.2	81.0	121.6
192	22.1	17.6	26.4

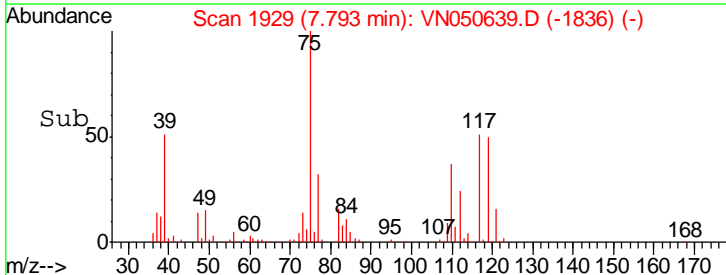
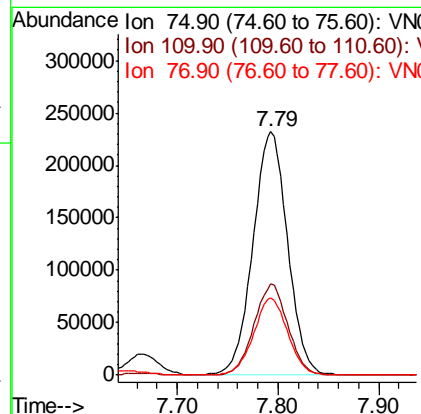
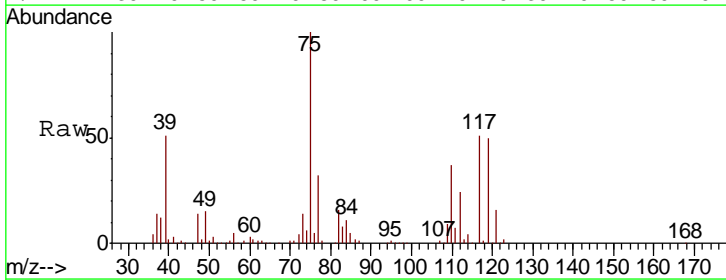
Manual Integrations
 APPROVED

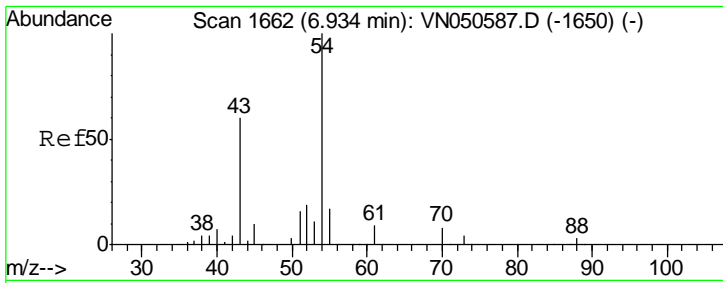
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#36
 1,1-Dichloropropene
 Concen: 51.46 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
75	100		
110	36.7	18.3	54.9
77	31.3	25.0	37.4



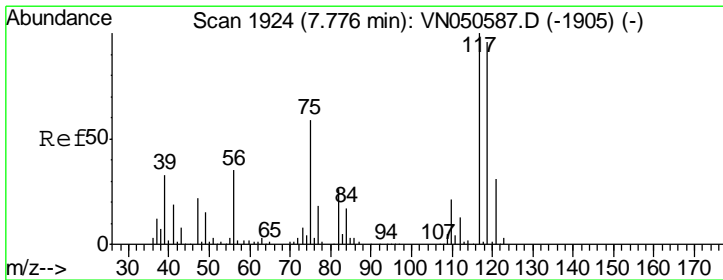
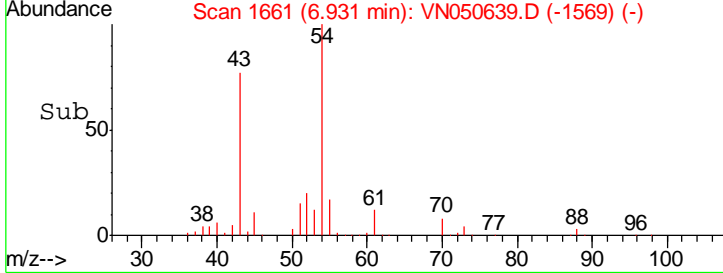
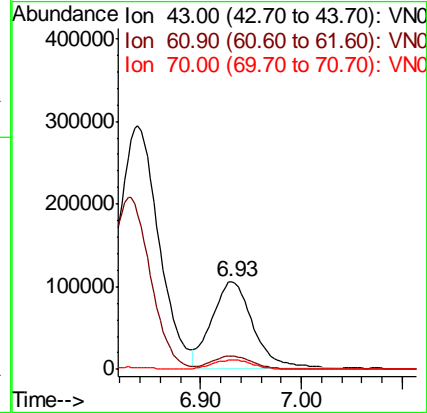
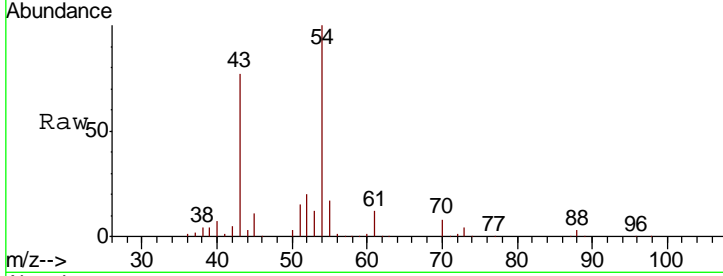


#37
 Ethyl Acetate
 Concen: 49.73 ug/l
 RT: 6.93 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

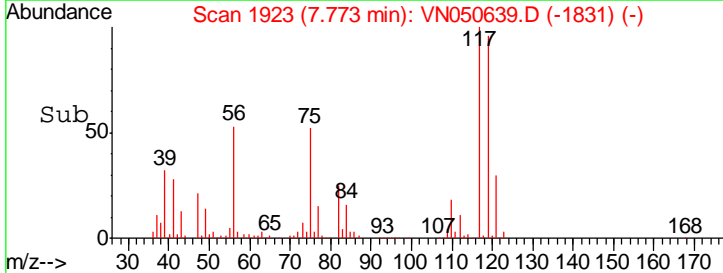
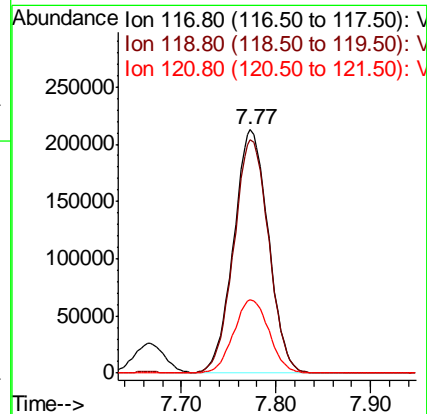
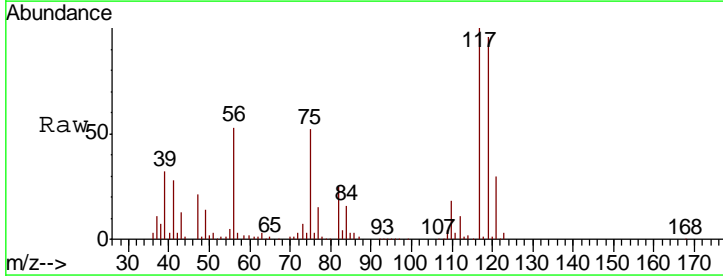
Tgt Ion	Resp	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	10.7	8.5	12.7

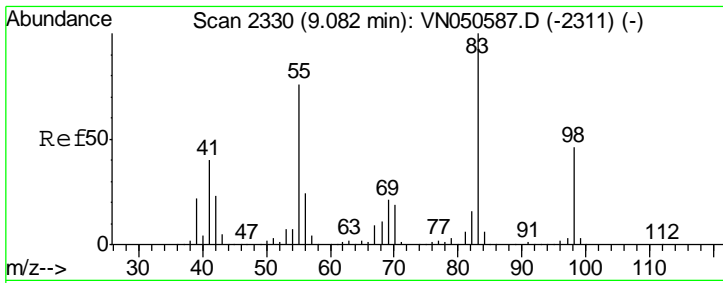
Manual Integrations
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#38
 Carbon Tetrachloride
 Concen: 48.87 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.9	76.6	115.0
121	30.1	25.0	37.6





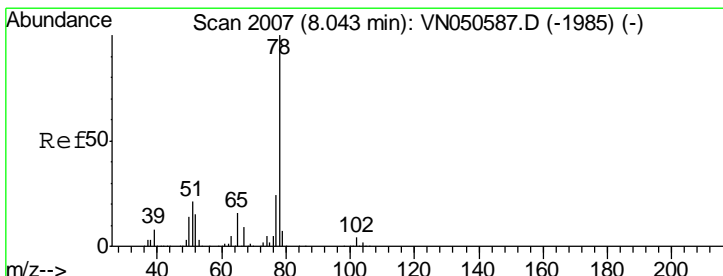
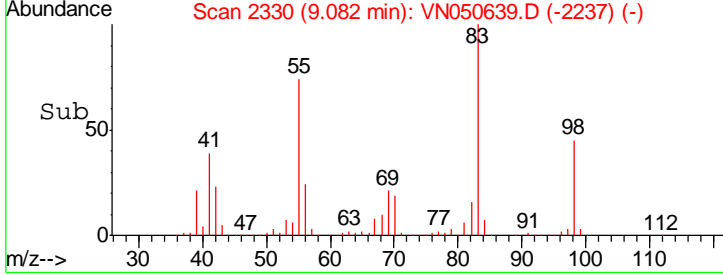
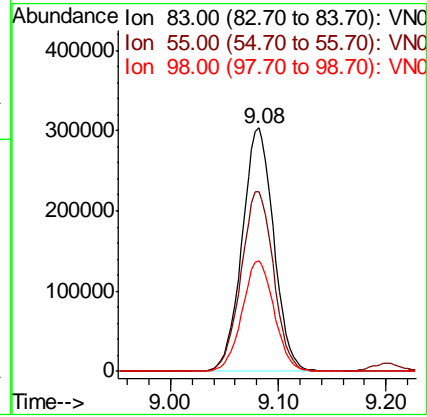
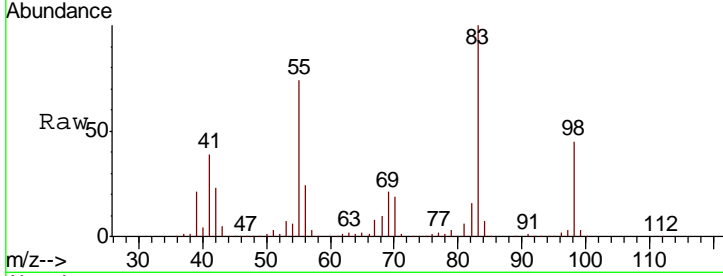
#39
 Methylcyclohexane
 Concen: 56.02 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 83 Resp: 618555

Ion	Ratio	Lower	Upper
83	100		
55	74.0	60.6	91.0
98	45.4	37.0	55.4

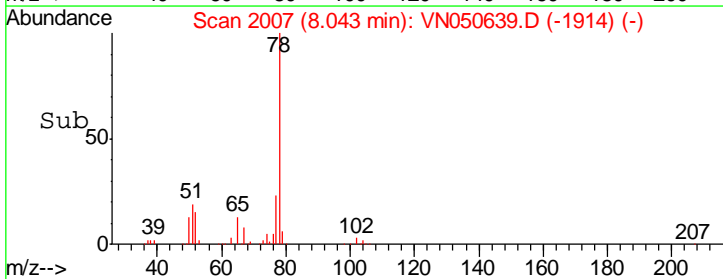
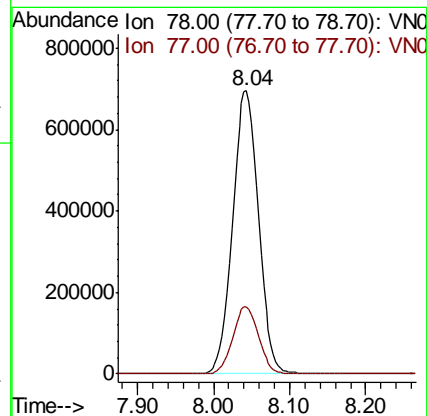
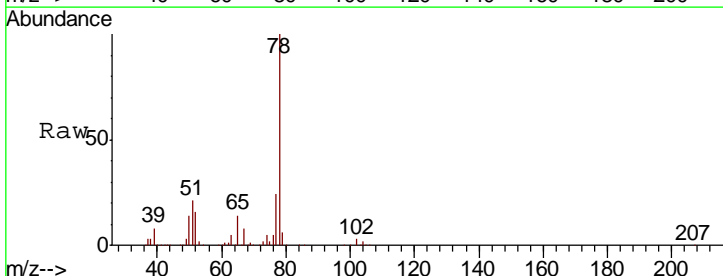
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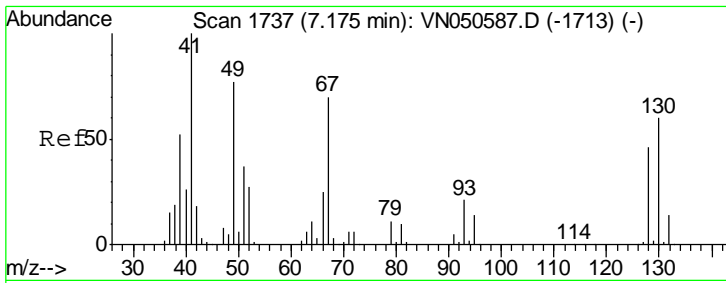


#40
 Benzene
 Concen: 50.65 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 78 Resp: 1643350

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





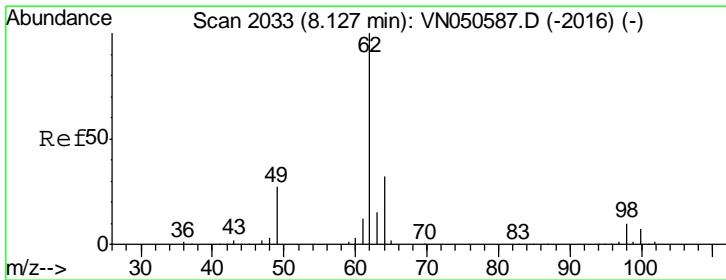
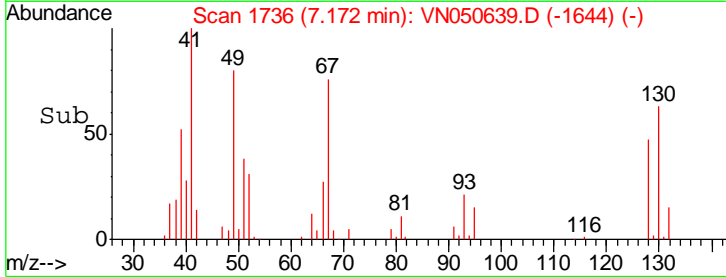
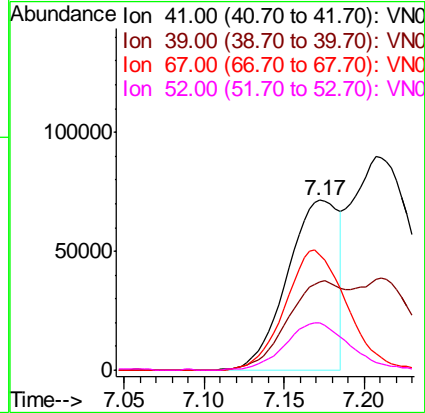
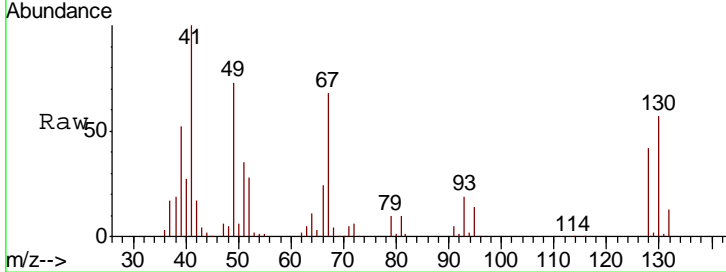
#41
 Methacrylonitrile
 Concen: 49.28 ug/l
 RT: 7.17 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 41 Resp: 160610

Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	66.8
67	84.5	66.7	100.1
52	34.4	26.5	39.7

Instrument : MSVOA_N
 ClientSampled : VN050639.D
 VSTDCCC050

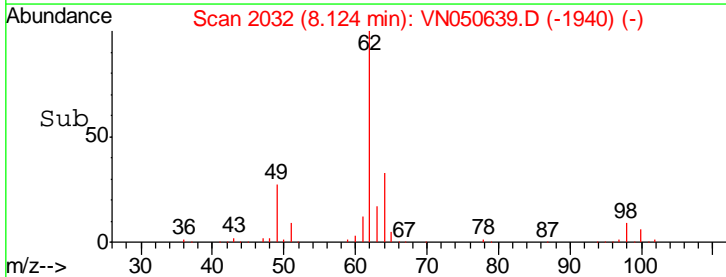
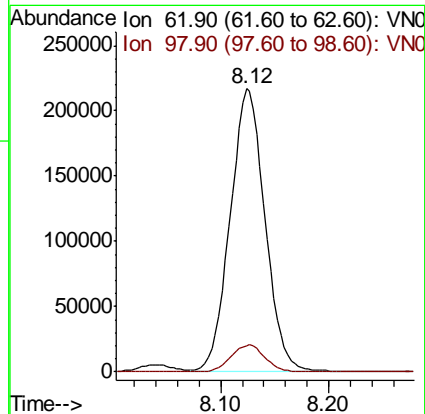
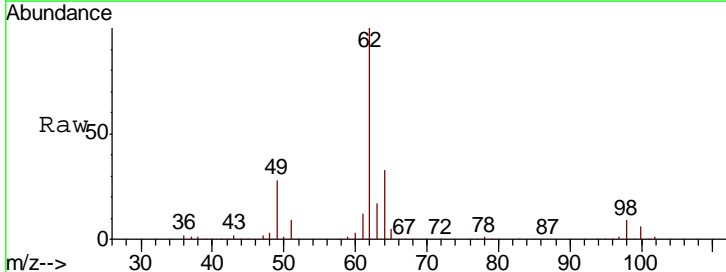
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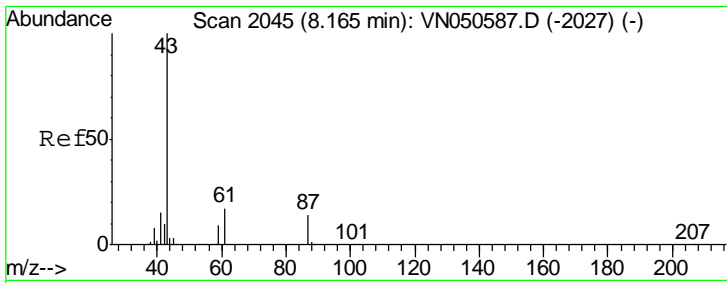


#42
 1,2-Dichloroethane
 Concen: 48.84 ug/l
 RT: 8.12 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 62 Resp: 485722

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4





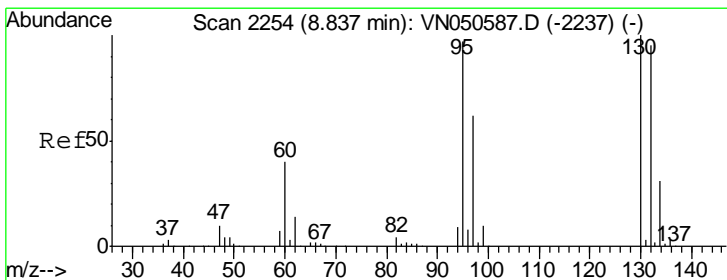
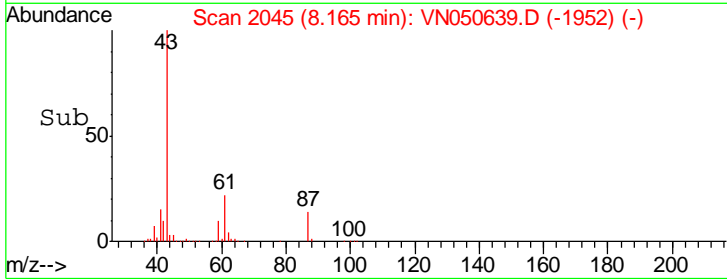
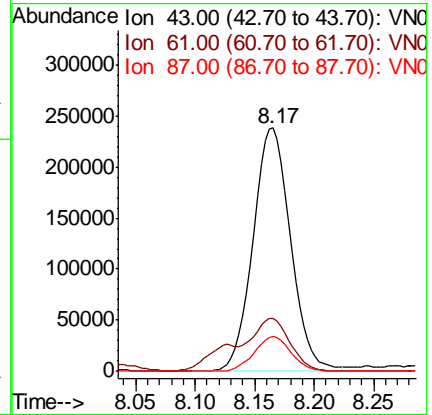
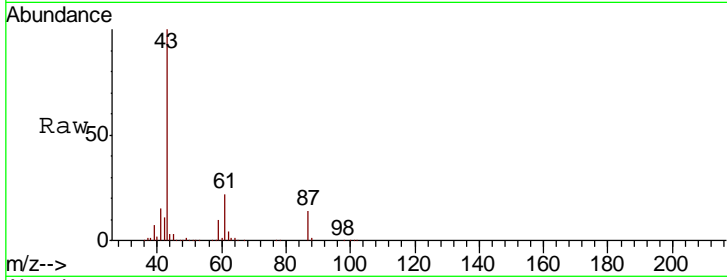
#43
 Isopropyl Acetate
 Concen: 47.31 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	21.3	16.2	24.2
87	14.0	10.9	16.3

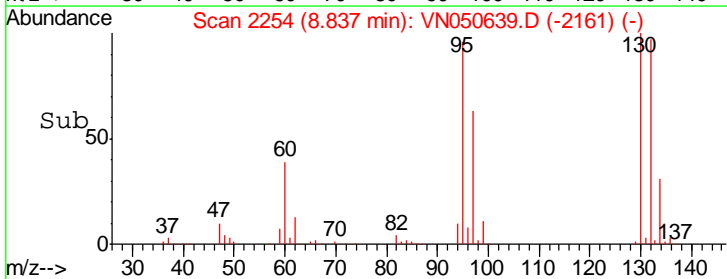
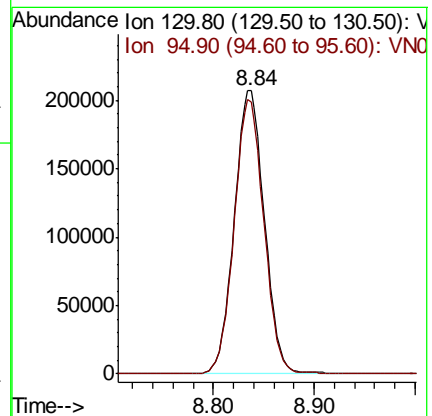
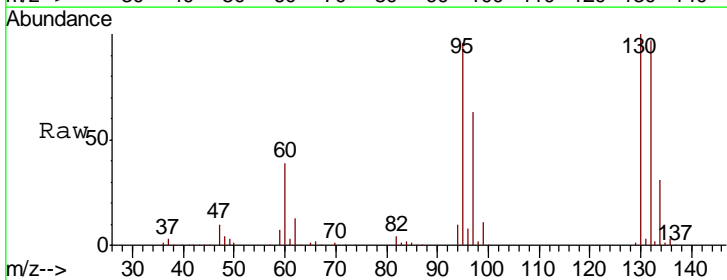
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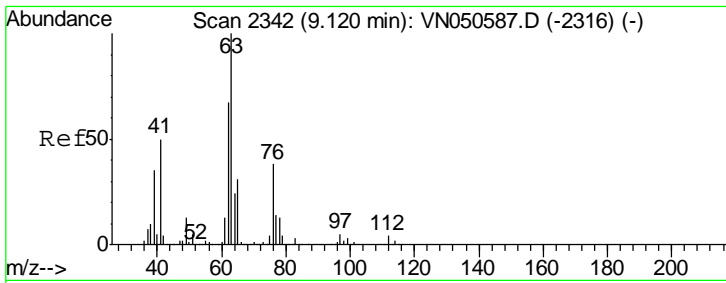
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#44
 Trichloroethene
 Concen: 49.37 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.1	0.0	193.8



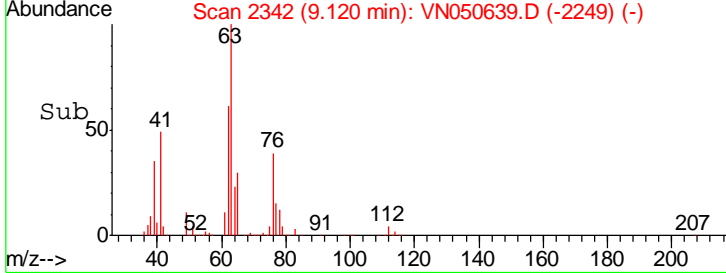
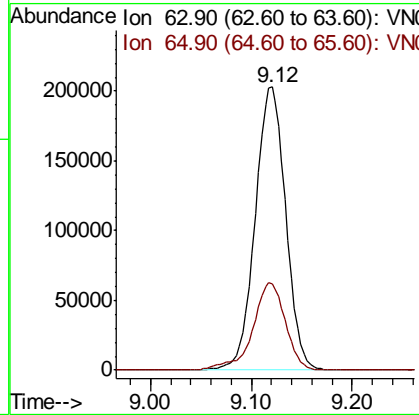
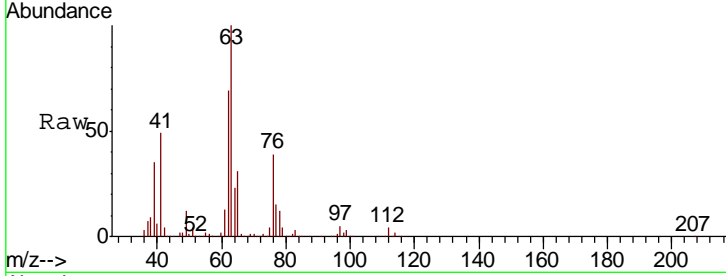


#45
 1,2-Dichloropropane
 Concen: 49.27 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

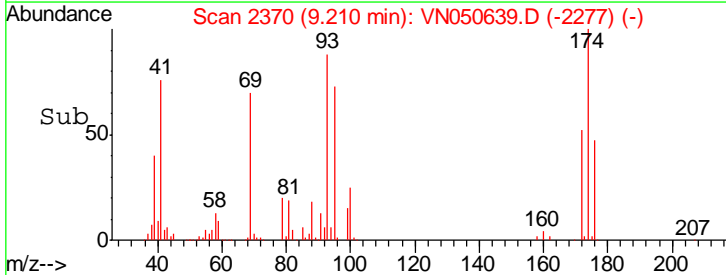
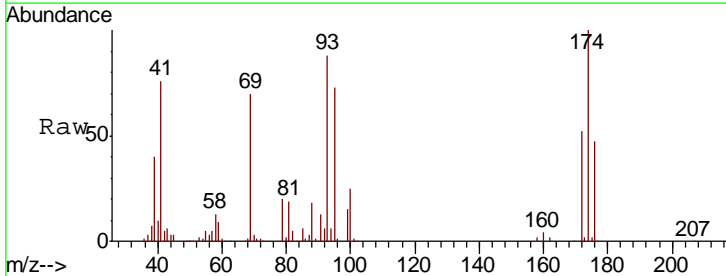
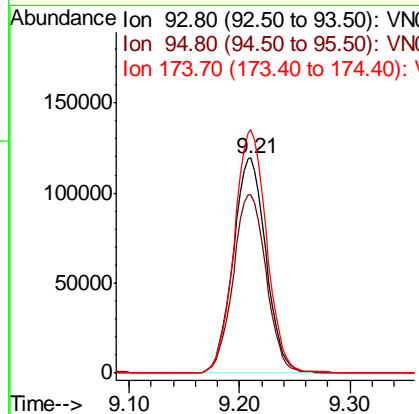
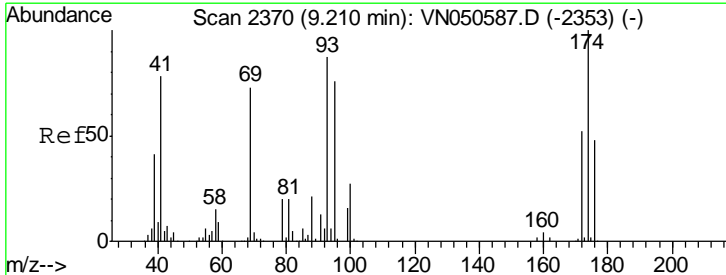
Tgt Ion: 63 Resp: 42550
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.5 36.7

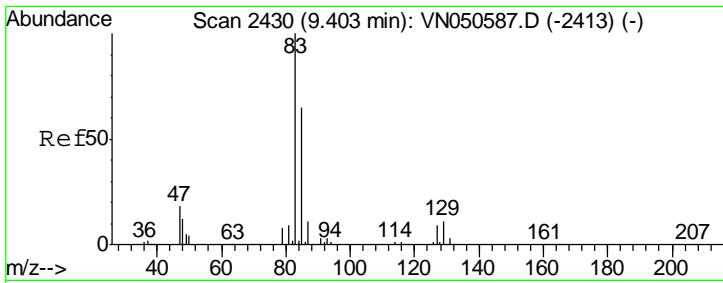
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#46
 Dibromomethane
 Concen: 48.36 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 93 Resp: 246647
 Ion Ratio Lower Upper
 93 100
 95 83.5 69.1 103.7
 174 112.3 91.0 136.6





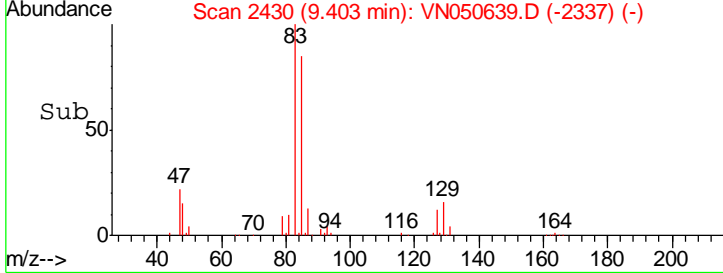
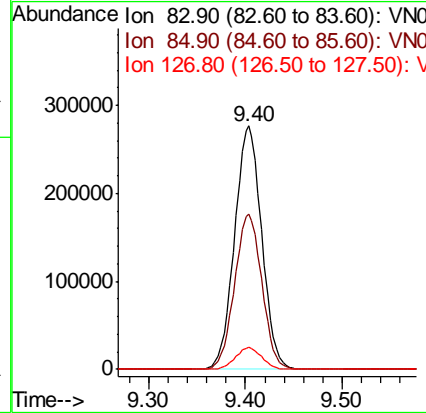
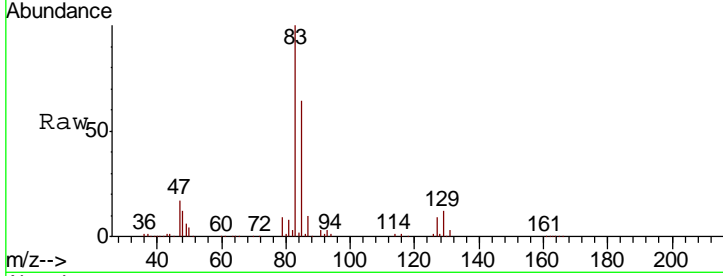
#47
 Bromodichloromethane
 Concen: 49.40 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	538493		
85	63.9	51.8	77.6
127	8.9	7.2	10.8

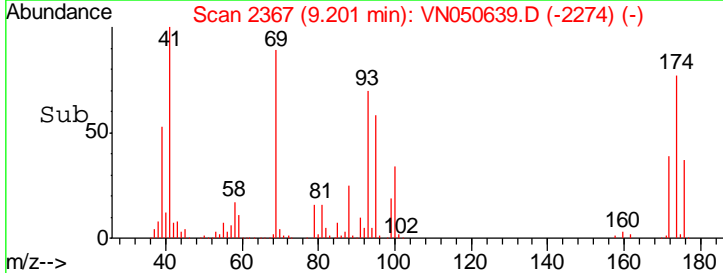
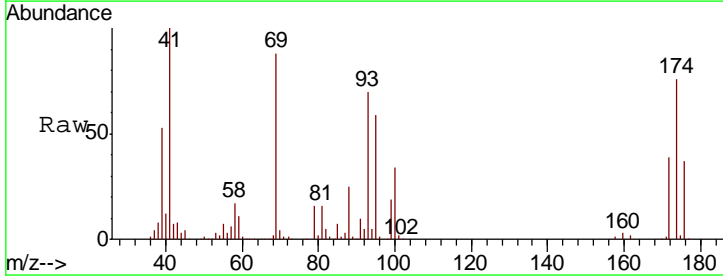
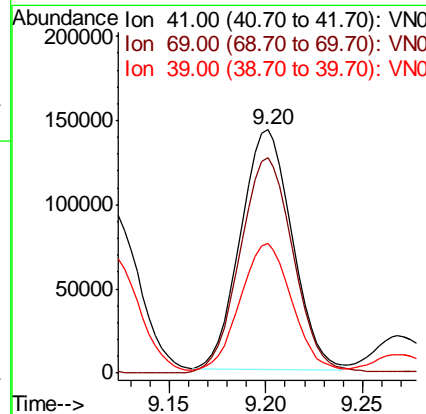
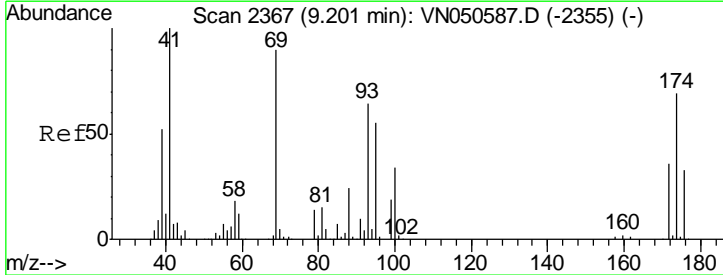
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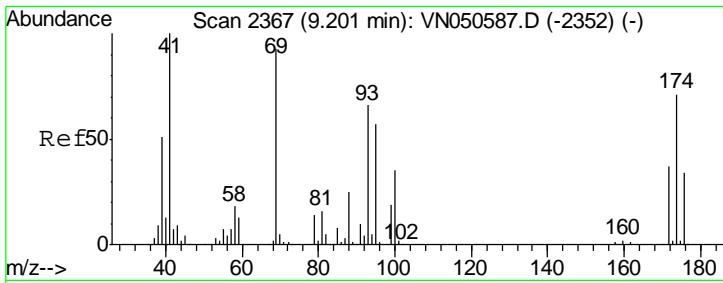
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#48
 Methyl methacrylate
 Concen: 47.64 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
41	263384		
69	94.1	73.4	110.0
39	55.0	43.0	64.6



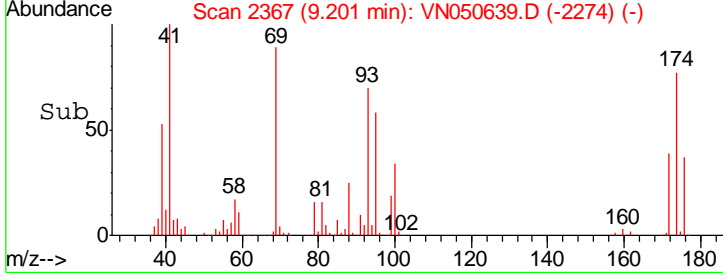
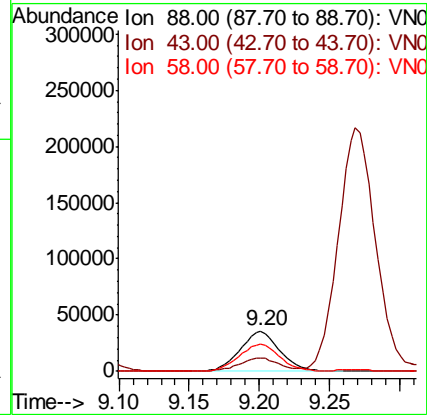
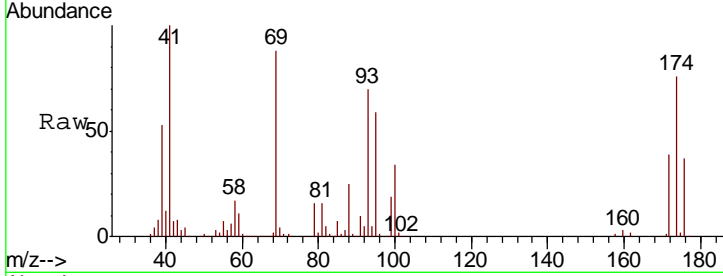


#49
 1,4-Dioxane
 Concen: 967.64 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

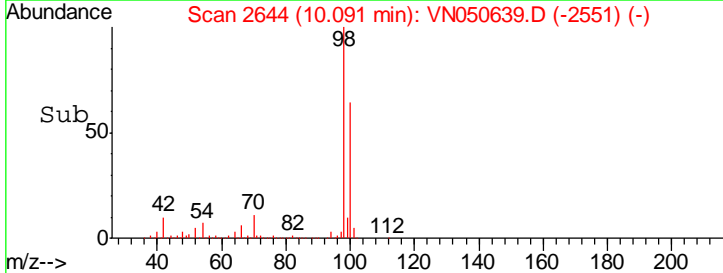
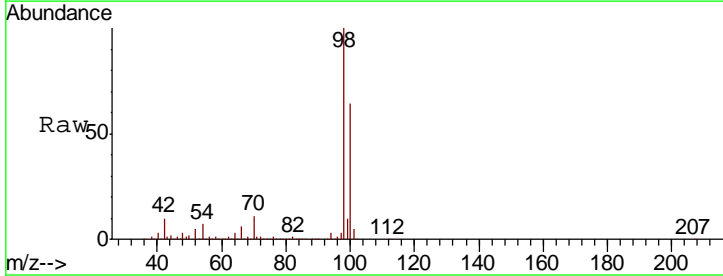
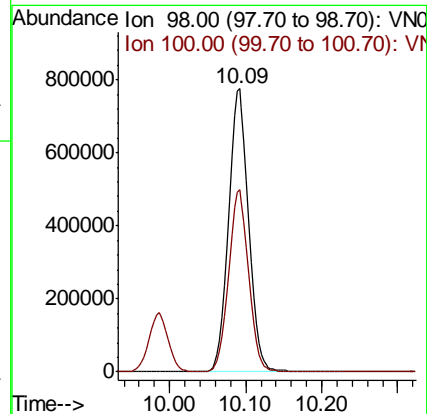
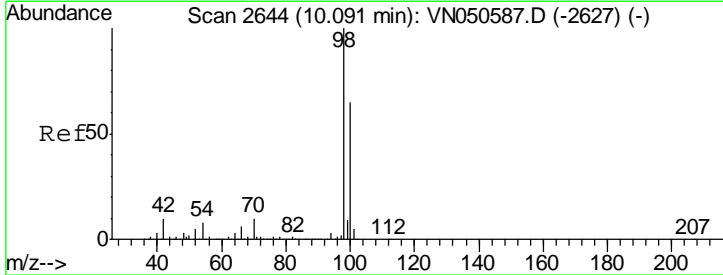
Tgt Ion	Resp	Lower	Upper
88	70472		
88	100		
43	31.8	25.9	38.9
58	69.1	56.5	84.7

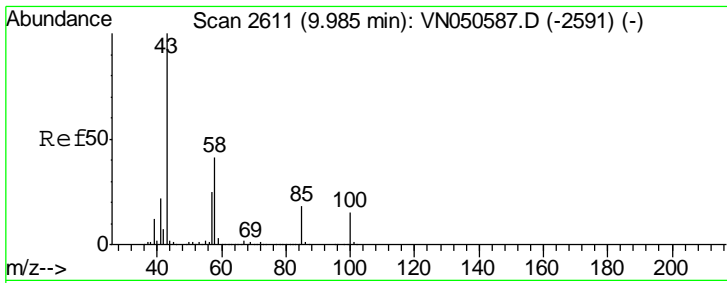
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#50
 Toluene-d8
 Concen: 49.49 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
98	1424657		
98	100		
100	64.2	51.8	77.8





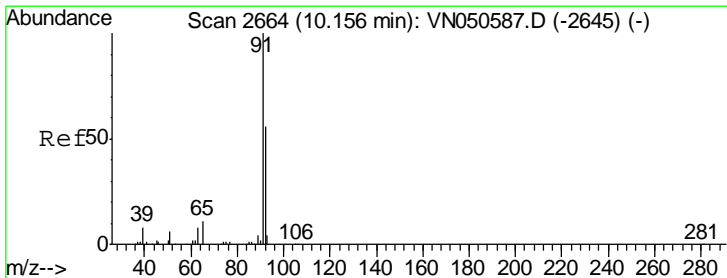
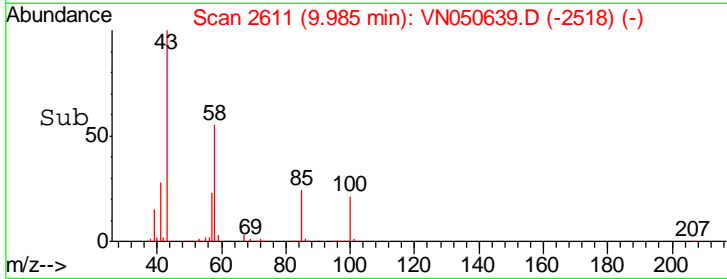
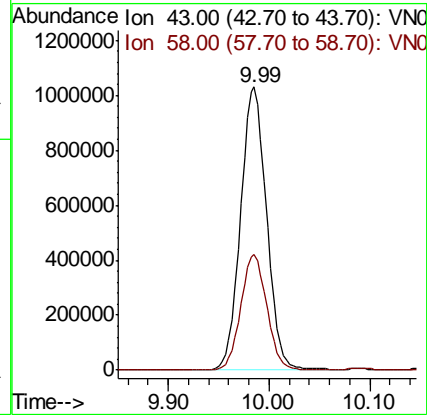
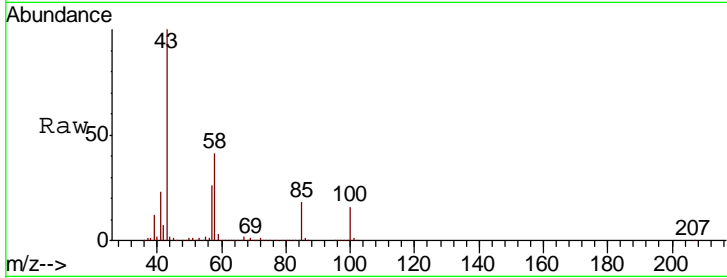
#51
 4-Methyl-2-Pentanone
 Concen: 248.12 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 1843658

Ion	Ratio	Lower	Upper
43	100		
58	40.8	32.5	48.7

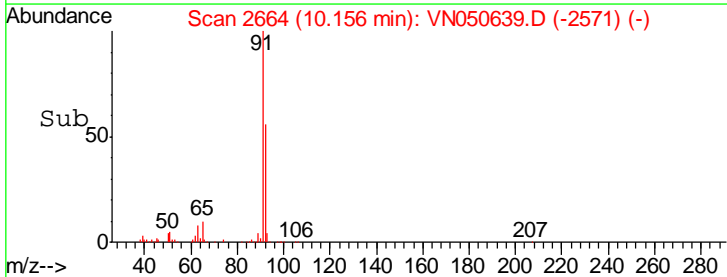
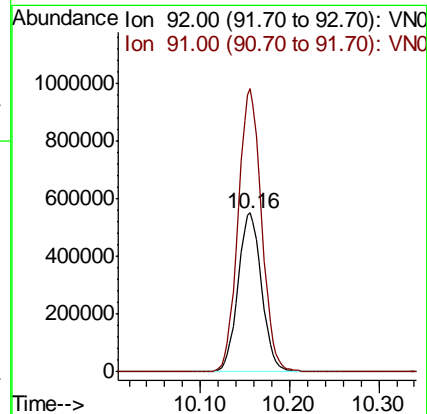
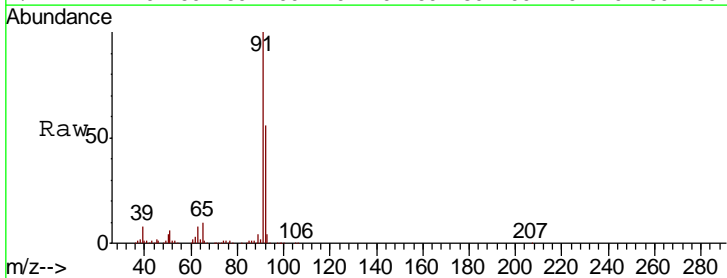
Manual Integrations
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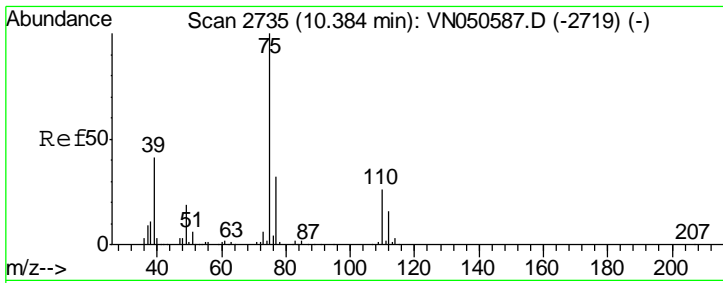


#52
 Toluene
 Concen: 52.15 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 92 Resp: 1010366

Ion	Ratio	Lower	Upper
92	100		
91	177.3	141.9	212.9



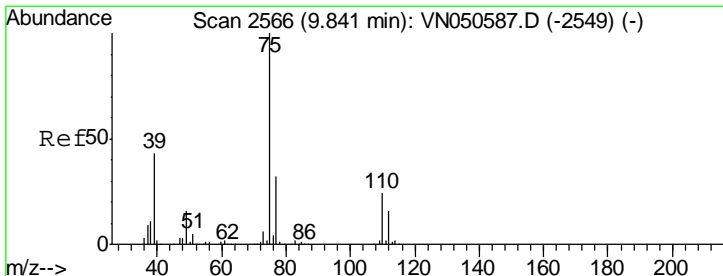
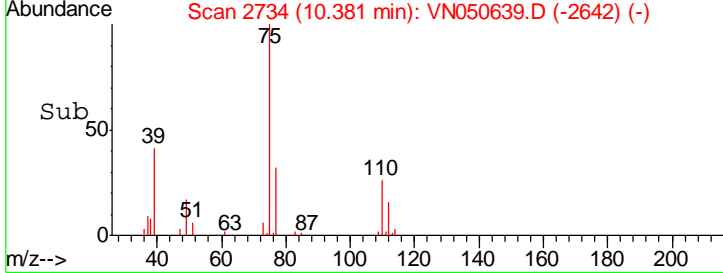
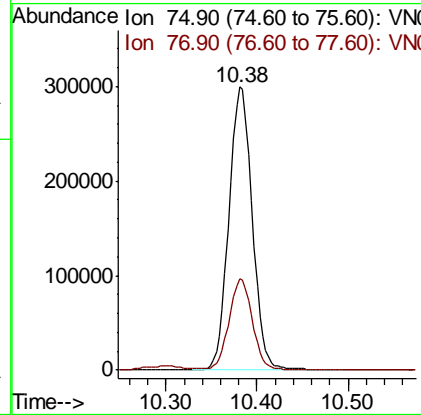
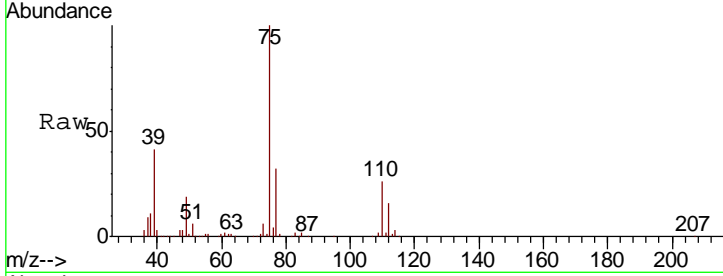


#53
 t-1,3-Dichloropropene
 Concen: 52.71 ug/l
 RT: 10.38 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

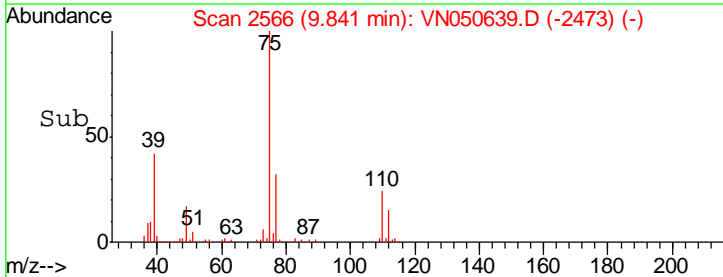
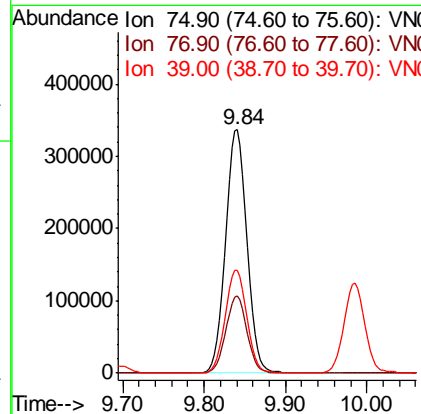
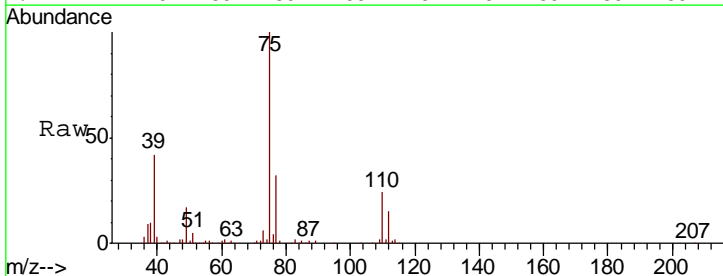
Tgt Ion	Resp	Lower	Upper
75	535212		
75	100		
77	32.1	25.8	38.6

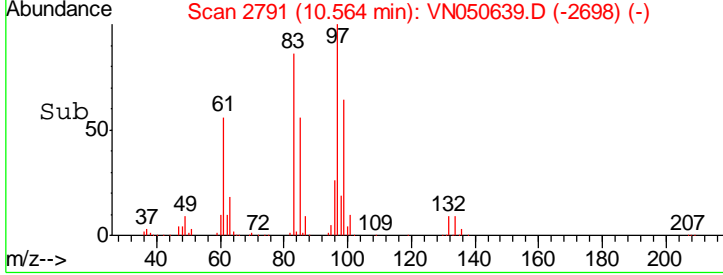
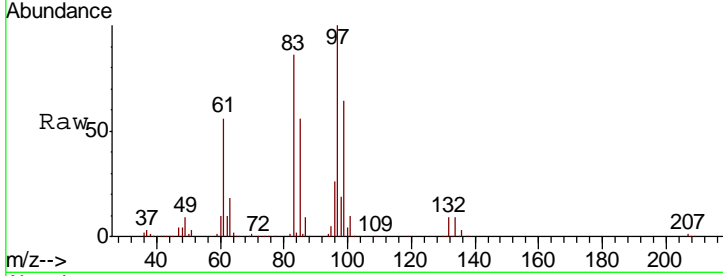
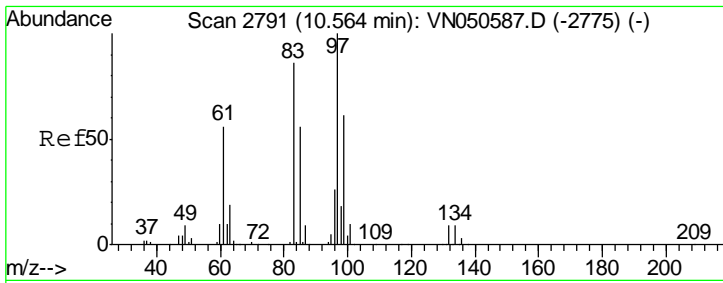
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#54
 cis-1,3-Dichloropropene
 Concen: 54.02 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
75	629225		
75	100		
77	31.7	25.6	38.4
39	42.1	34.4	51.6



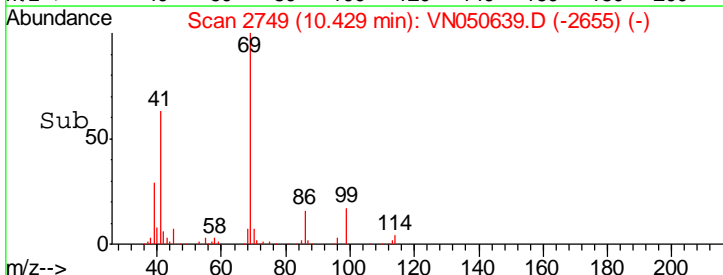
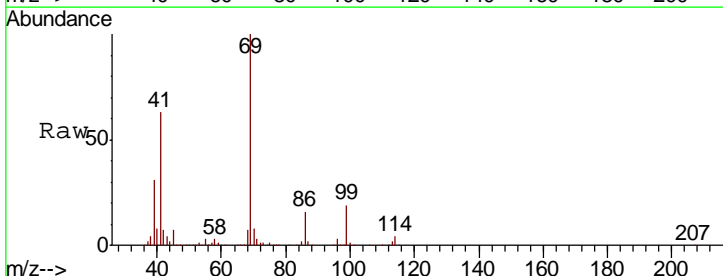
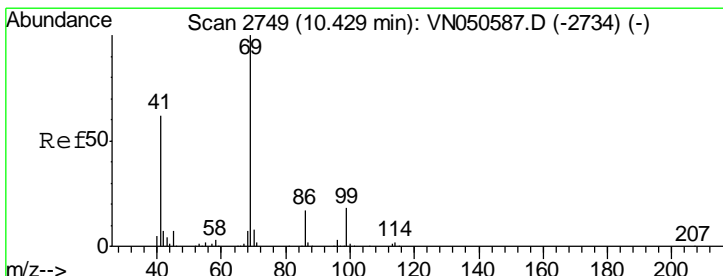
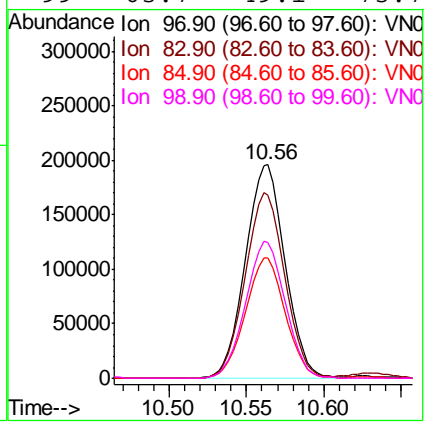


#55
 1,1,2-Trichloroethane
 Concen: 48.43 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
97	100		
83	86.0	68.5	102.7
85	56.1	44.6	66.8
99	63.7	49.1	73.7

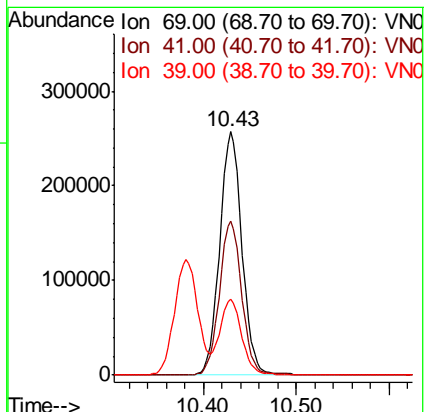
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

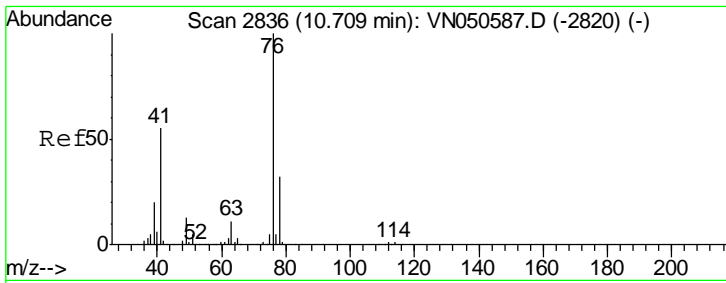
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 46.51 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
69	100		
41	63.5	49.7	74.5
39	30.9	24.2	36.2





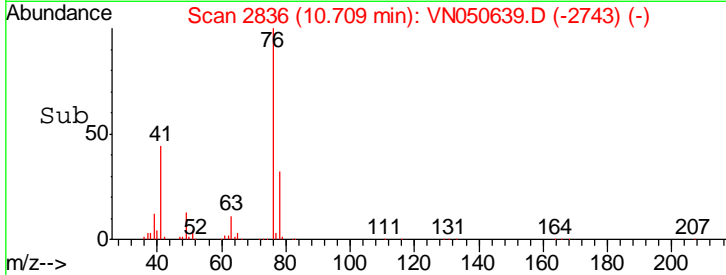
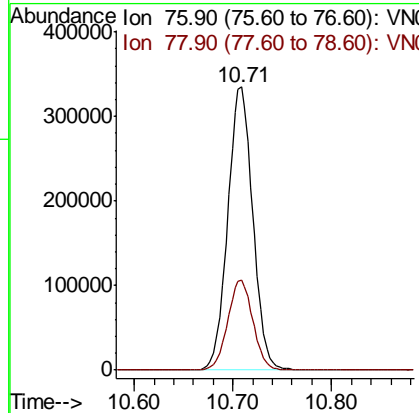
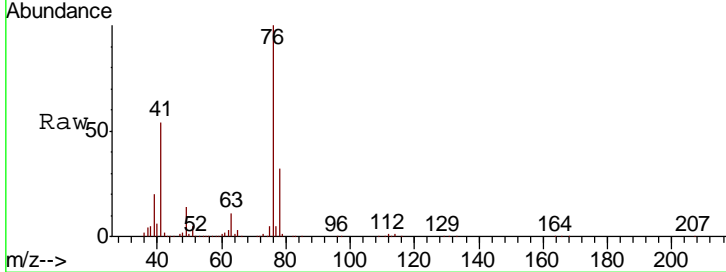
#57
 1,3-Dichloropropane
 Concen: 50.11 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
76	100		
78	32.1	25.8	38.6

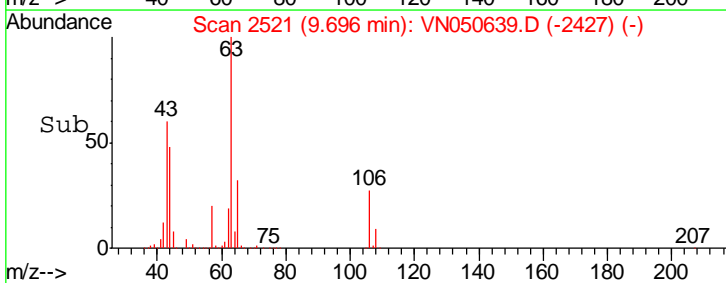
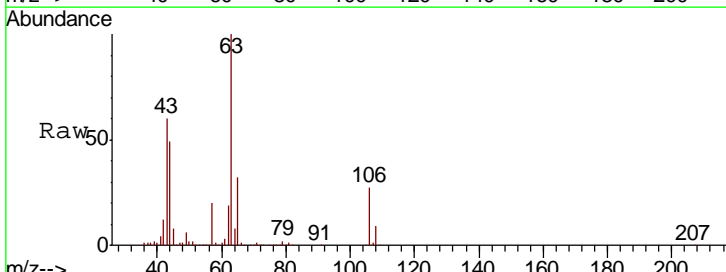
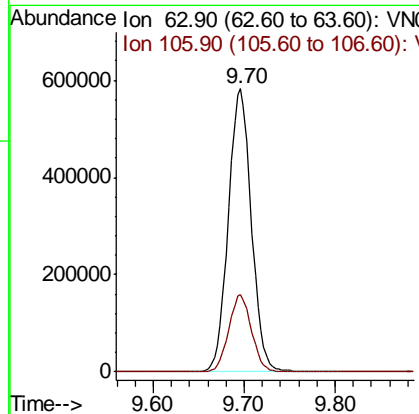
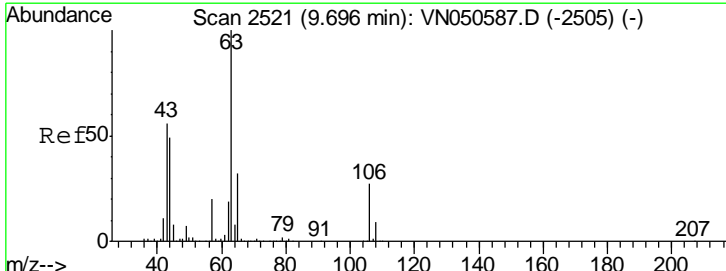
Manual Integrations
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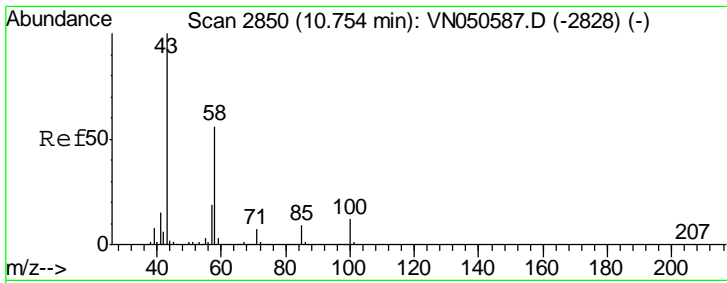
MMDadoda
 8/16/2018 1:18:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.39 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
63	100		
106	26.9	21.7	32.5



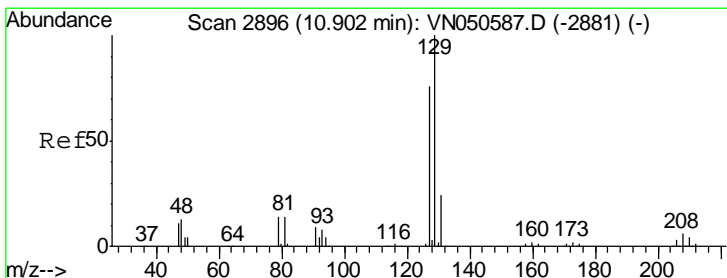
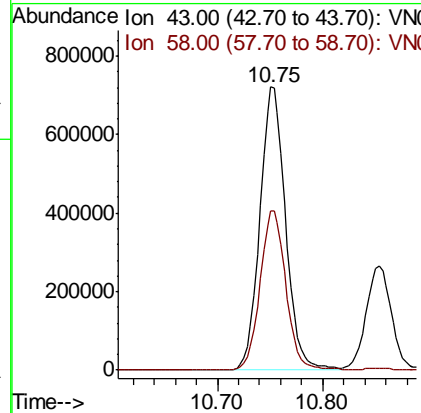
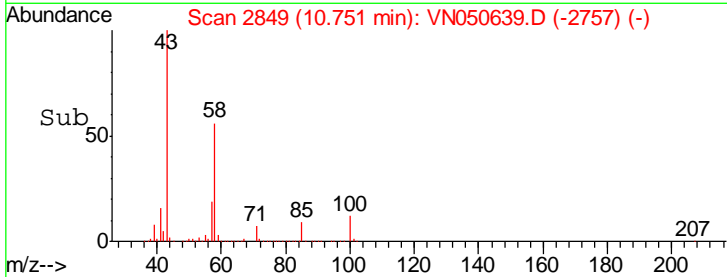
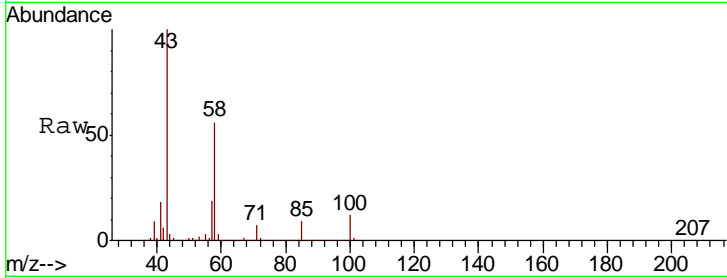


#59
 2-Hexanone
 Concen: 255.85 ug/l
 RT: 10.75 min Scan# 2849
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

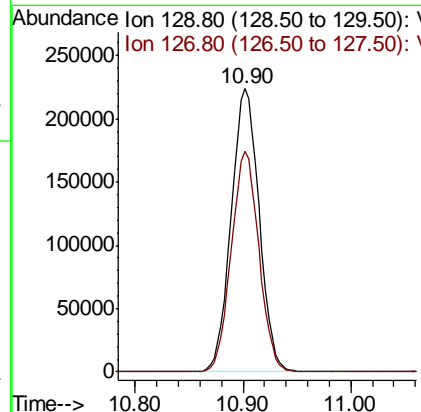
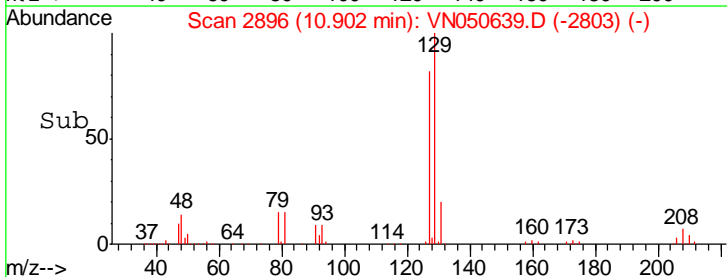
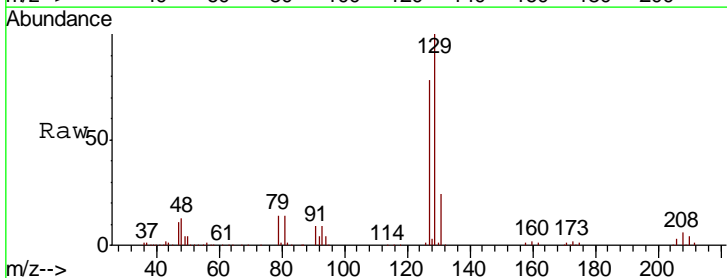
Tgt Ion: 43 Resp: 1226976
 Ion Ratio Lower Upper
 43 100
 58 56.6 28.0 84.0

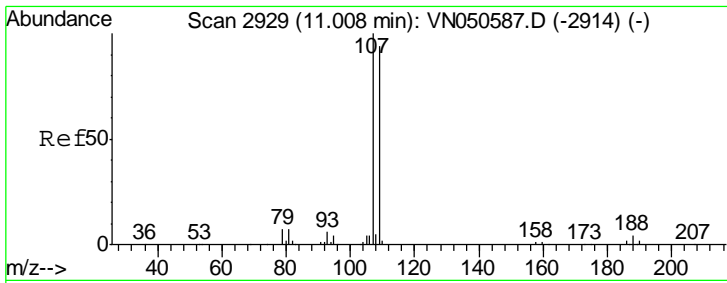
Manual Integrations
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#60
 Dibromochloromethane
 Concen: 50.71 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 129 Resp: 405079
 Ion Ratio Lower Upper
 129 100
 127 77.0 38.9 116.7



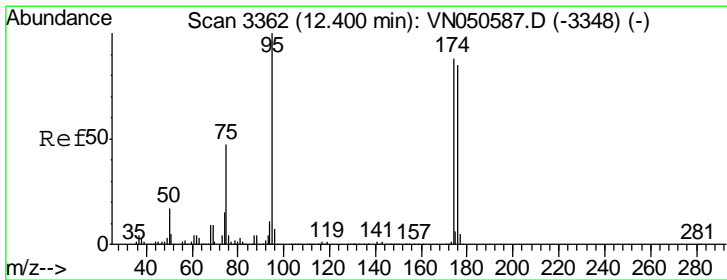
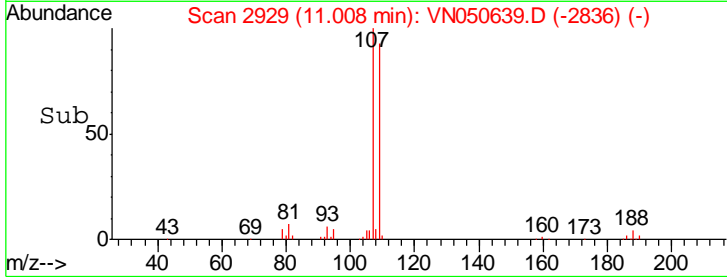
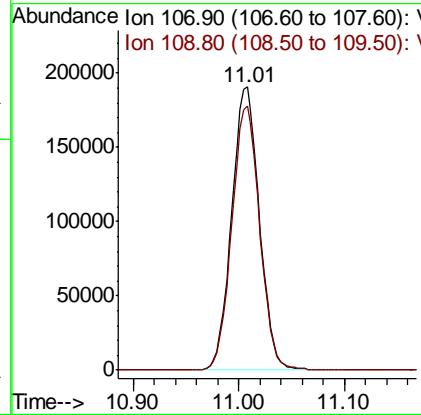
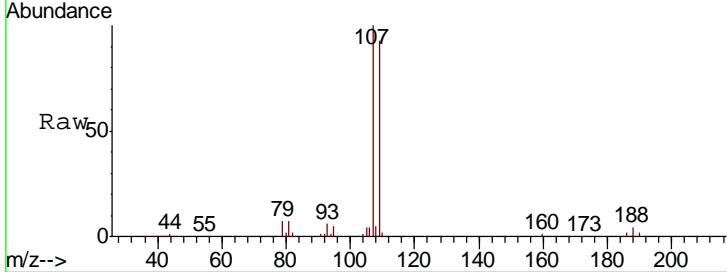


#61
 1,2-Dibromoethane
 Concen: 50.21 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

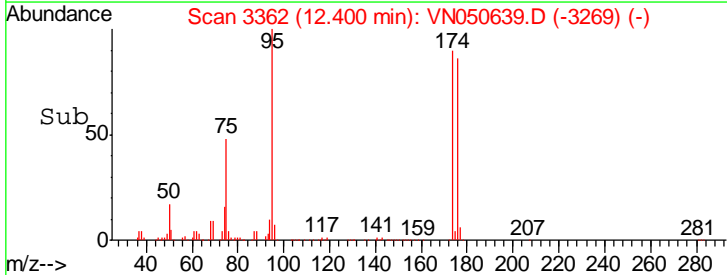
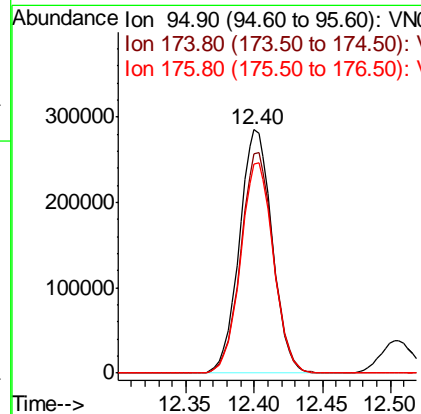
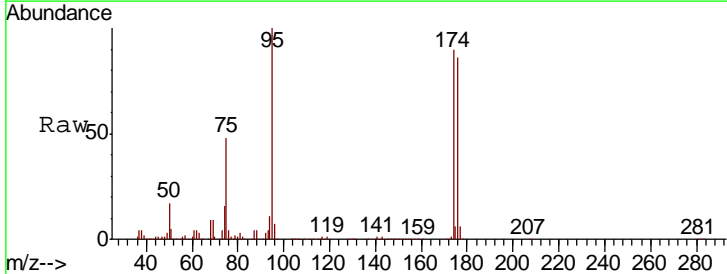
Tgt Ion	Resp	Lower	Upper
107	100		
109	93.9	75.7	113.5

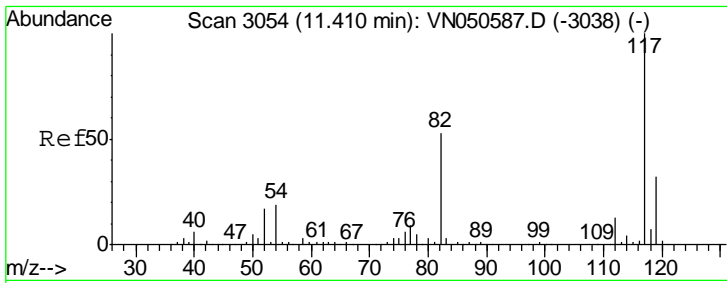
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 49.86 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
95	100		
174	90.3	0.0	177.8
176	86.8	0.0	175.0



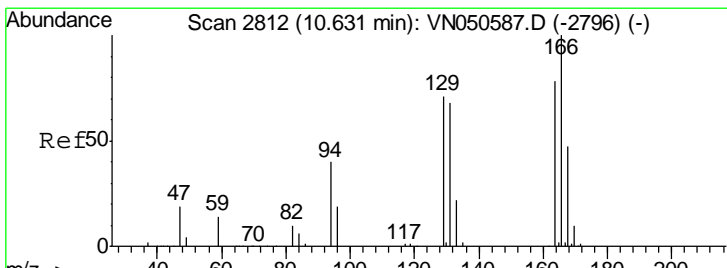
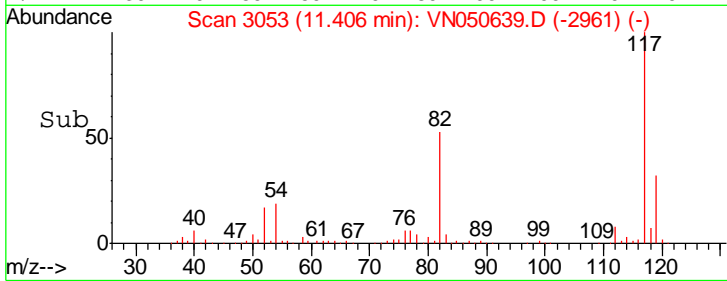
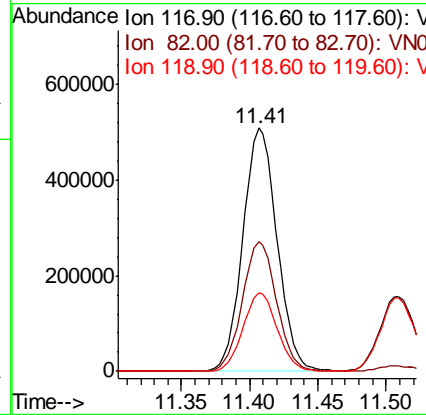
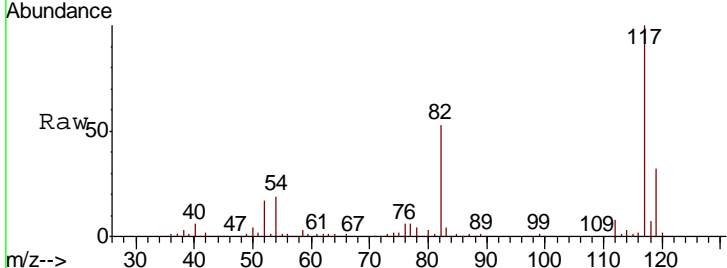


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

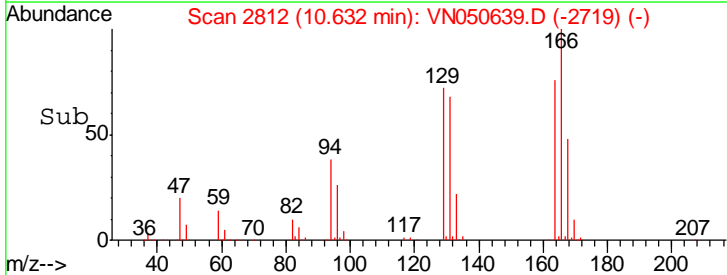
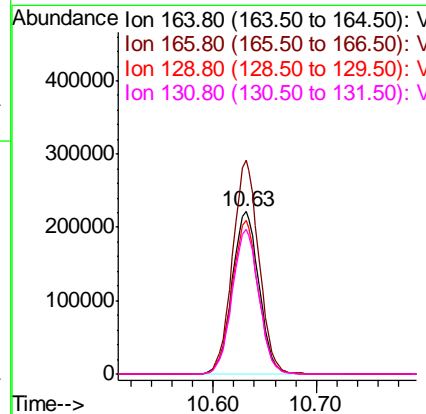
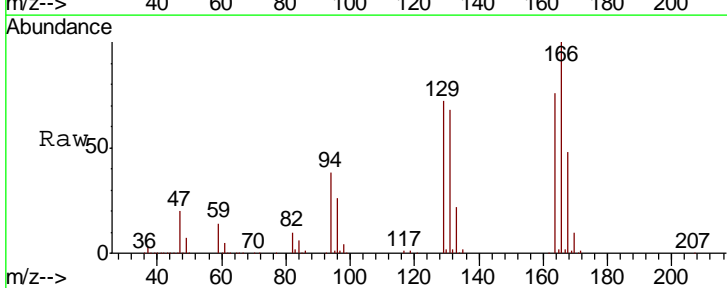
Tgt Ion	Resp	Lower	Upper
117	100		
82	53.5	42.4	63.6
119	32.3	25.8	38.8

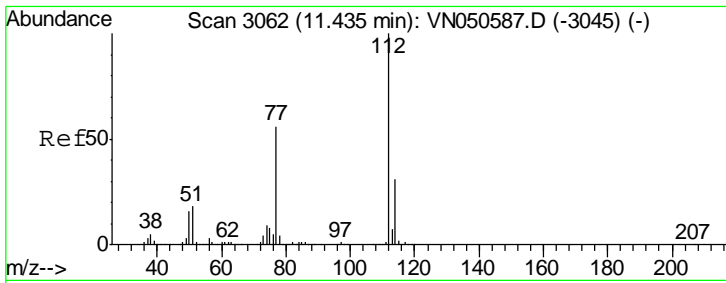
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#64
 Tetrachloroethene
 Concen: 48.86 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
164	100		
166	131.6	102.1	153.1
129	94.8	72.7	109.1
131	88.9	69.9	104.9





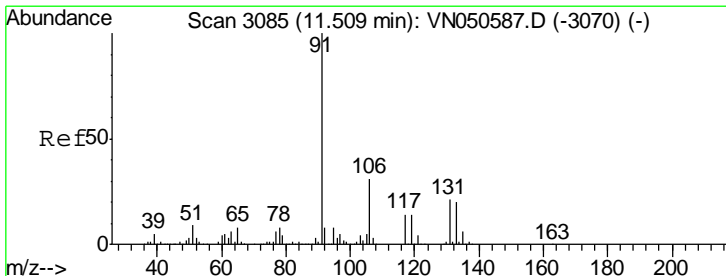
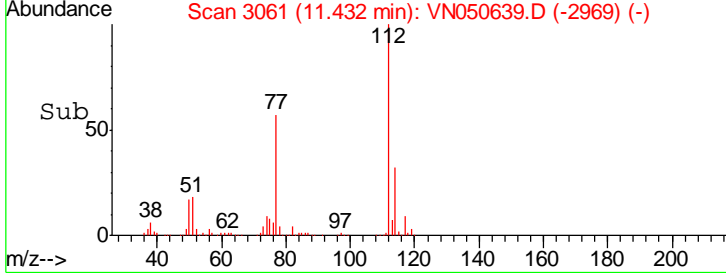
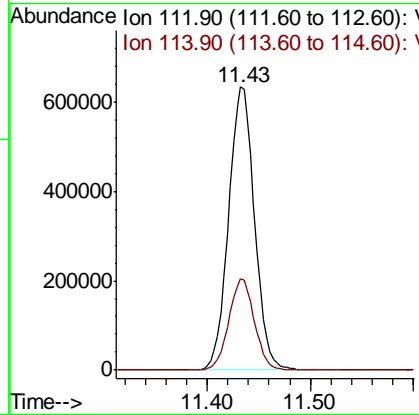
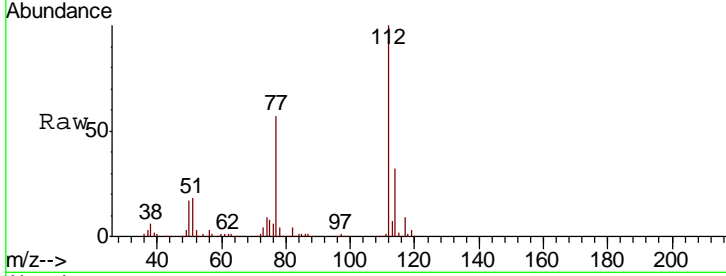
#65
 Chlorobenzene
 Concen: 50.14 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 112 Resp: 1107796

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.2	37.8

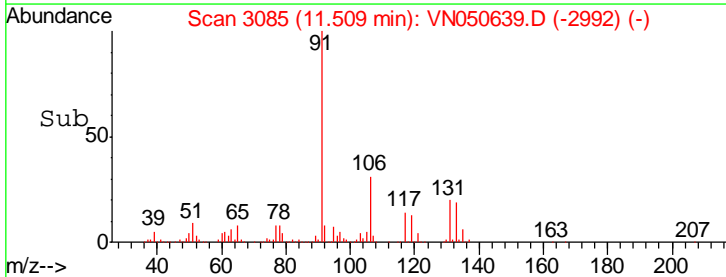
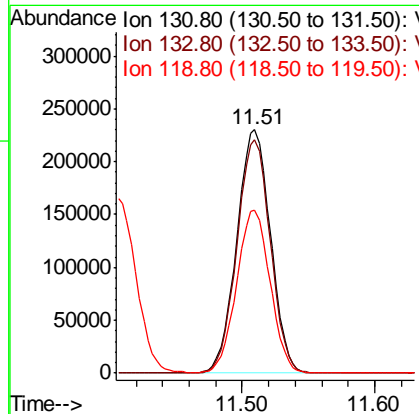
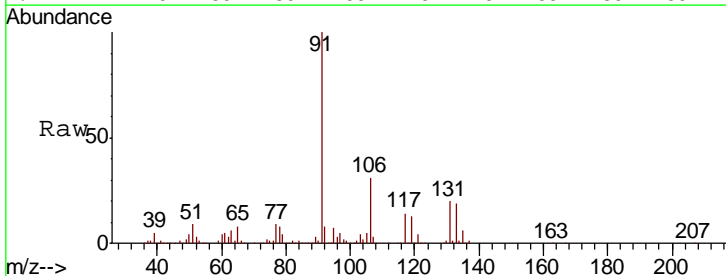
Manual Integrations
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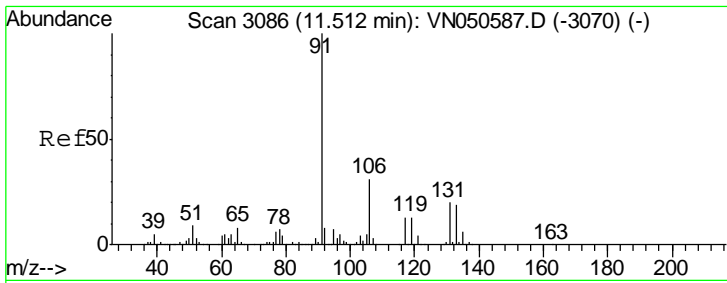


#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.19 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 131 Resp: 407450

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.6	142.9
119	66.4	33.1	99.3





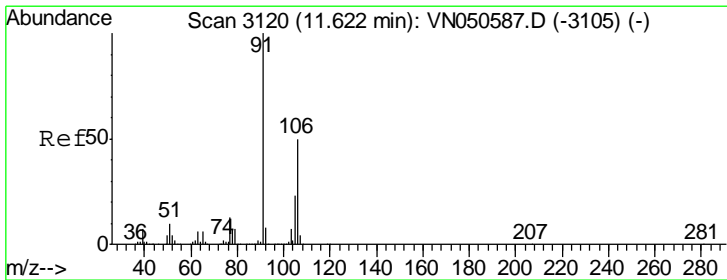
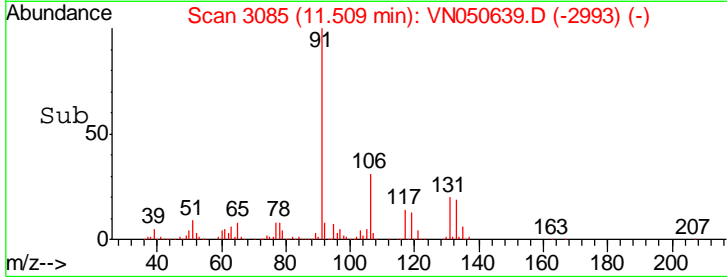
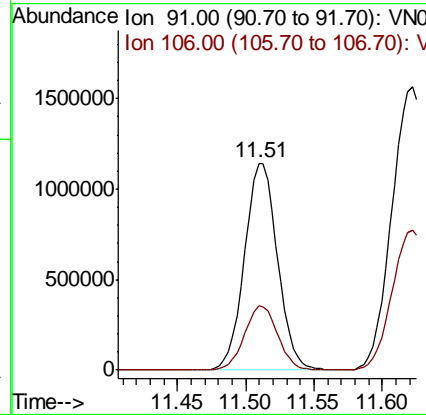
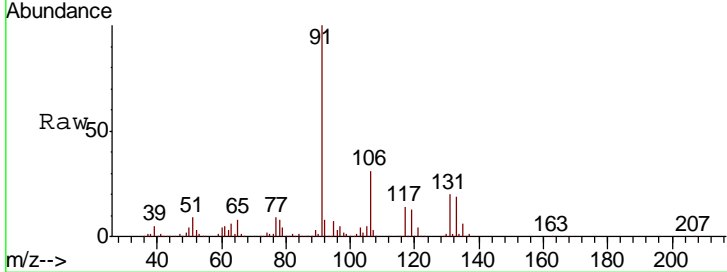
#67
Ethyl Benzene
Concen: 53.81 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
ClientSampled : VSTDCCC050

Tgt Ion: 91 Resp: 1919863

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.8	37.2

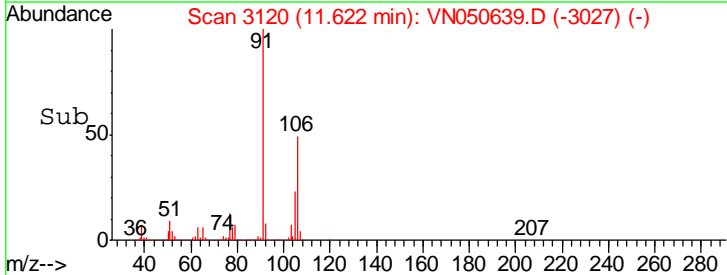
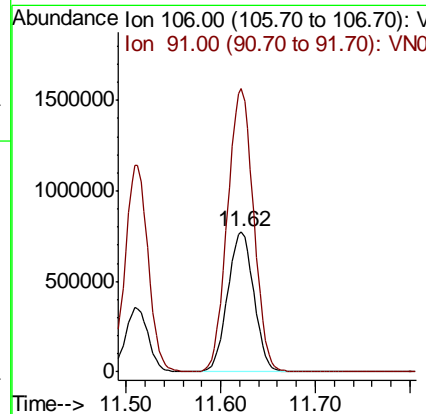
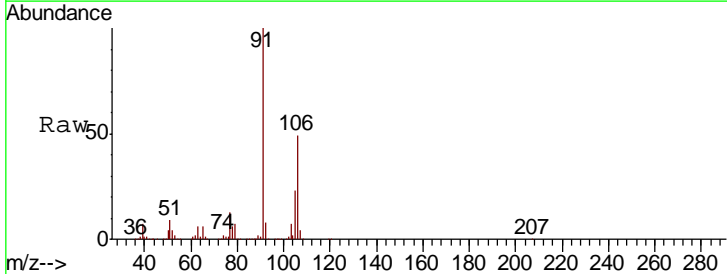
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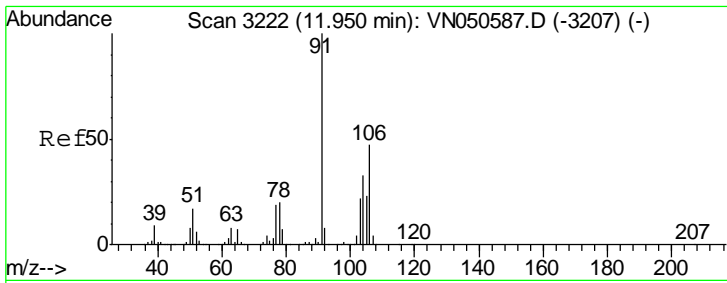


#68
m/p-Xylenes
Concen: 109.07 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion: 106 Resp: 1488282

Ion	Ratio	Lower	Upper
106	100		
91	202.2	161.5	242.3



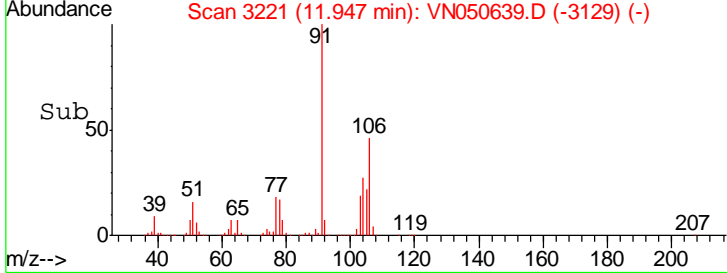
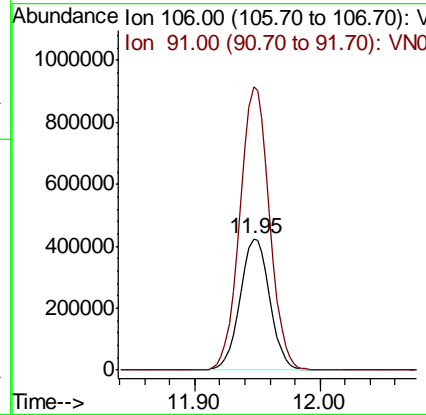
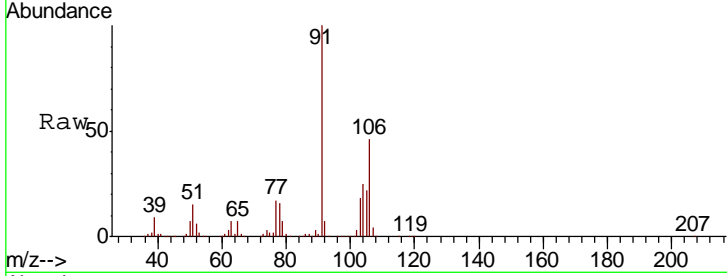


#69
 o-Xylene
 Concen: 53.54 ug/l
 RT: 11.95 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 Client Sampled : VSTDC050

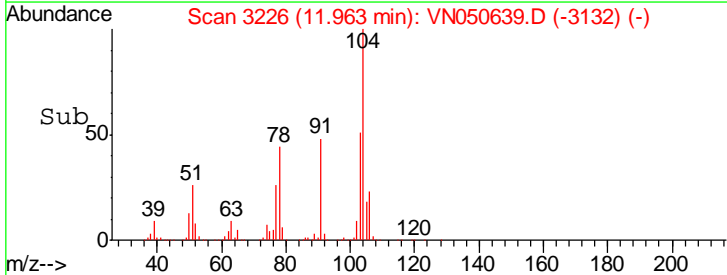
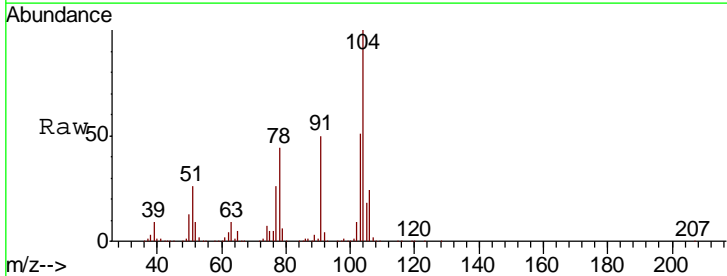
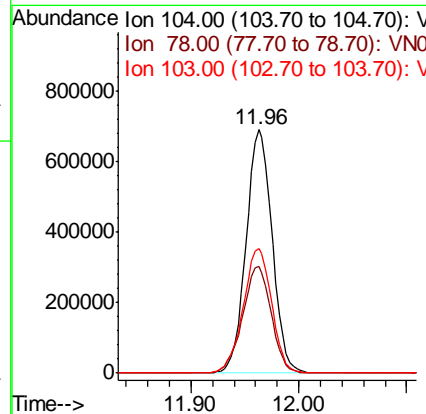
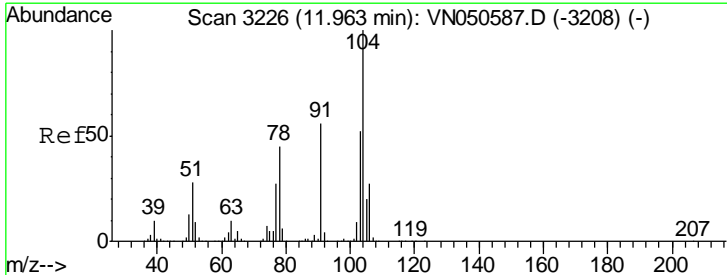
Tgt Ion	Resp	Lower	Upper
106	696679		
106	100		
91	215.0	106.8	320.4

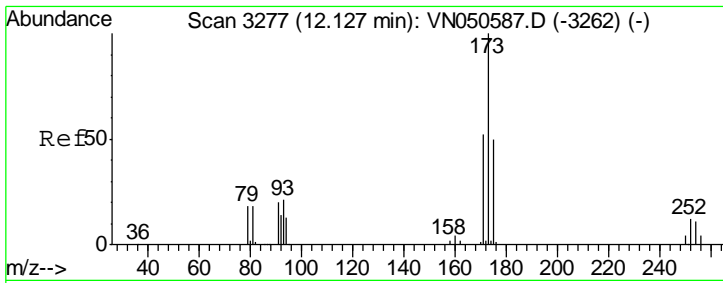
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#70
 Styrene
 Concen: 50.19 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
104	1161526		
104	100		
78	48.3	39.1	58.7
103	55.9	44.9	67.3





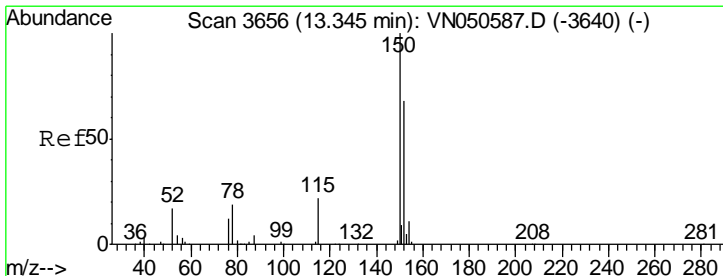
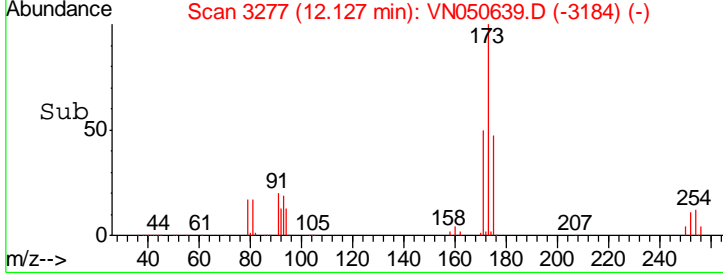
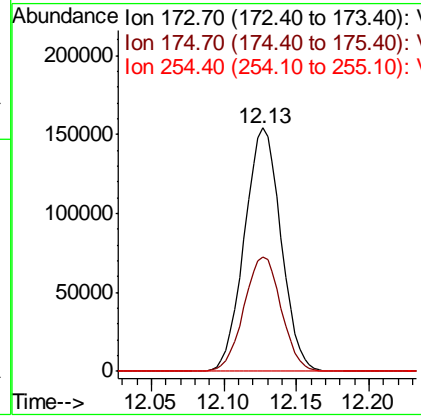
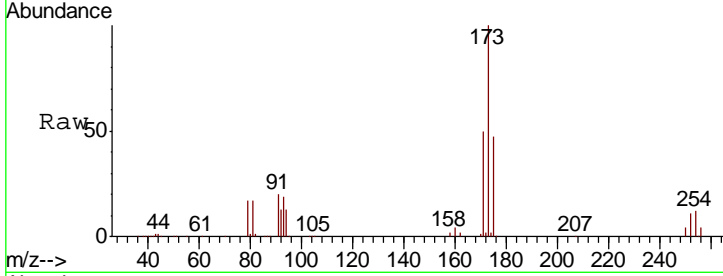
#71
 Bromoform
 Concen: 49.35 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
173	271048		
175	47.9	24.4	73.2
254	0.1	0.0	0.0

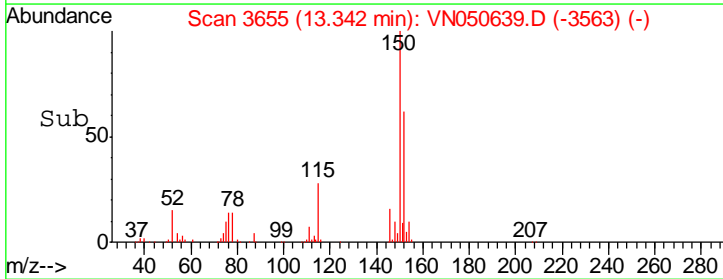
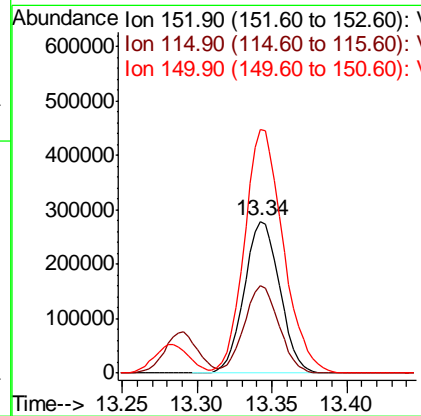
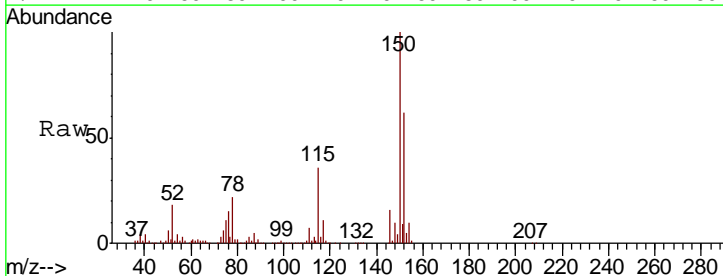
Manual Integrations
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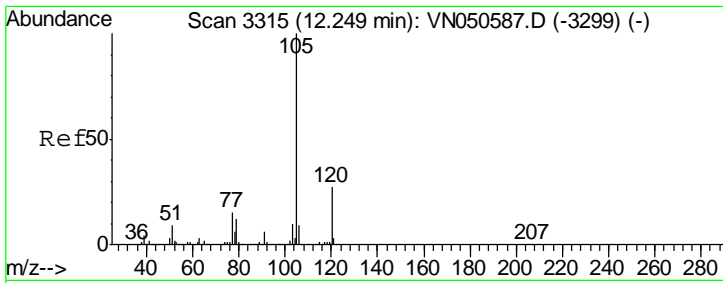
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
152	460297		
152	100		
115	56.7	28.1	84.2
150	175.2	0.0	347.8





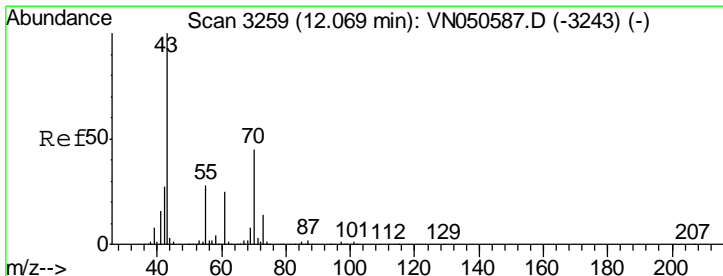
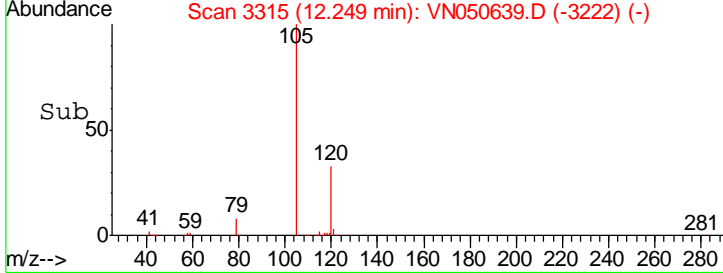
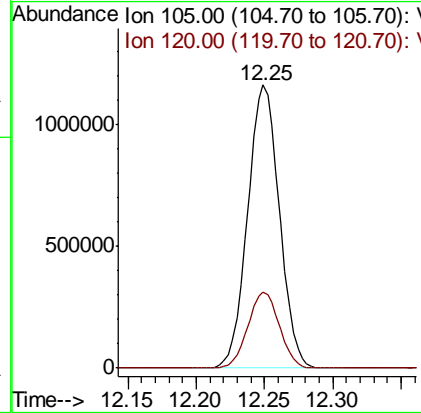
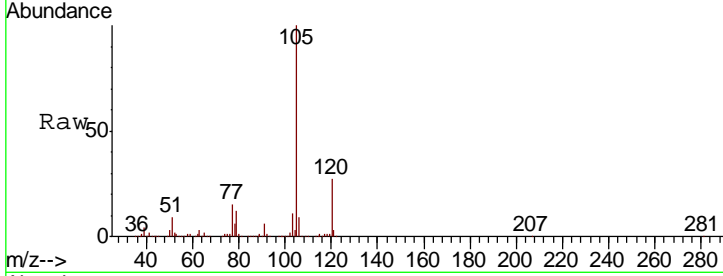
#73
 Isopropylbenzene
 Concen: 52.11 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 105 Resp: 1874191

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1

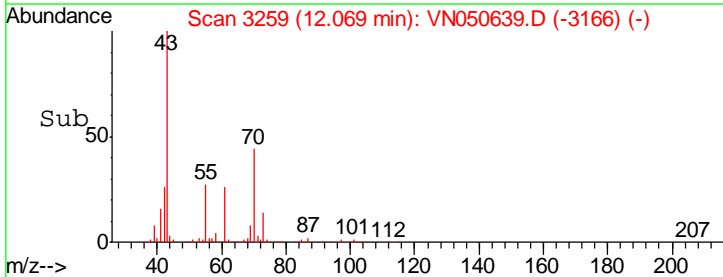
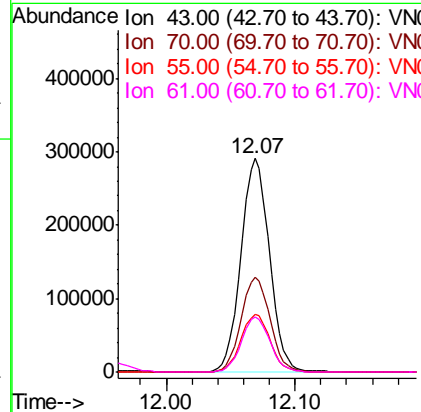
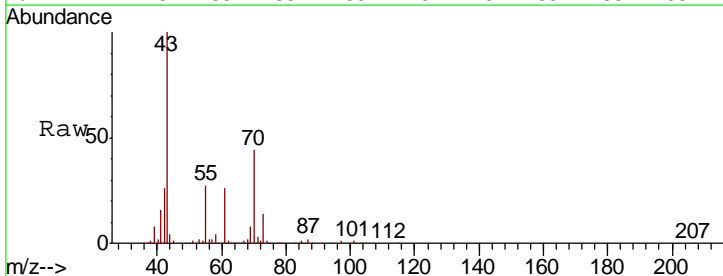
Manual Integrations
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 MMDadoda
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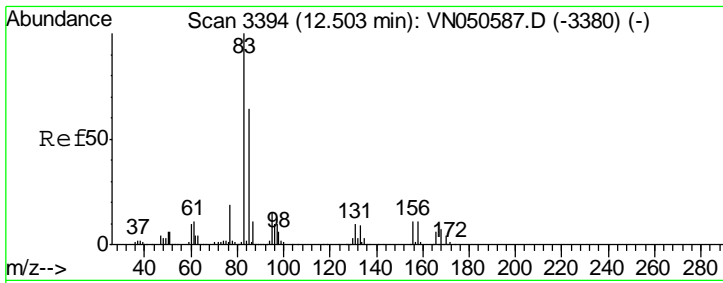


#74
 N-nyl acetate
 Concen: 47.71 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 43 Resp: 446412

Ion	Ratio	Lower	Upper
43	100		
70	45.2	35.9	53.9
55	27.7	22.2	33.4
61	25.8	20.0	30.0





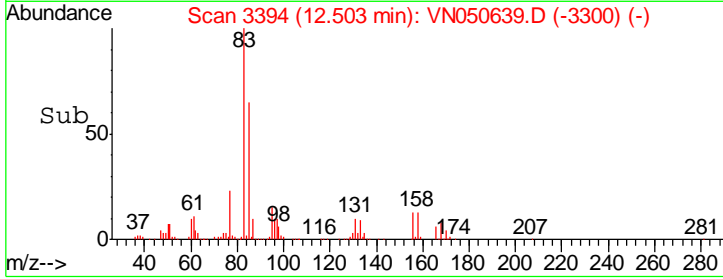
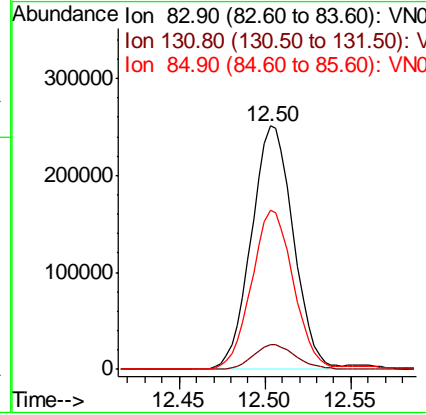
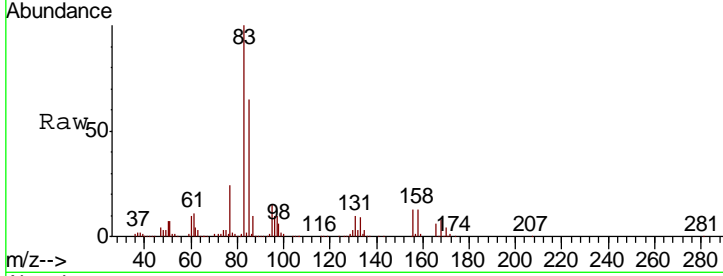
#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.05 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	425858		
131	10.4	5.3	15.9
85	64.8	32.1	96.5

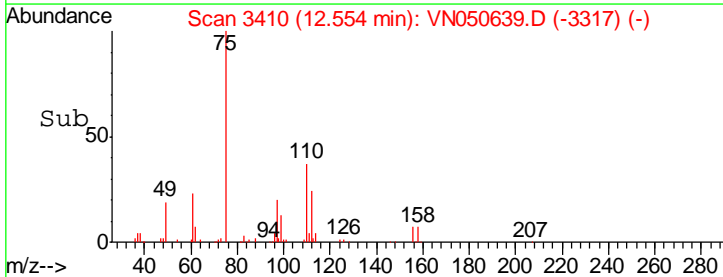
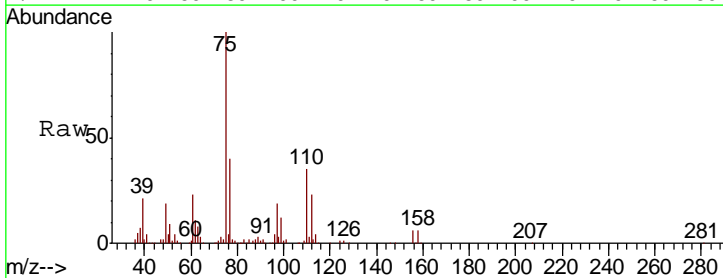
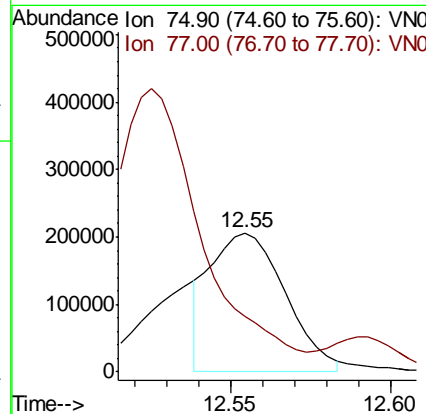
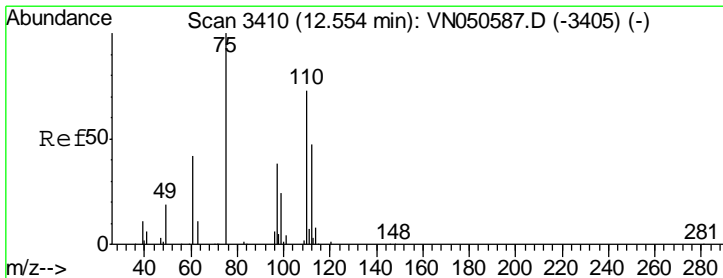
Manual Integrations
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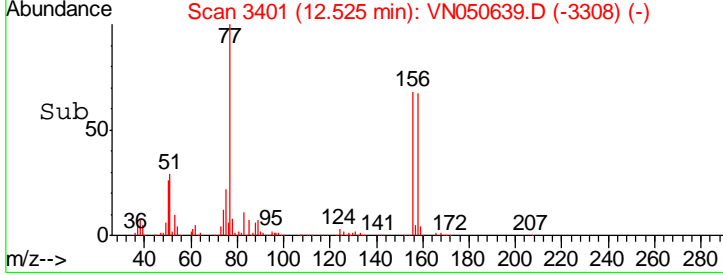
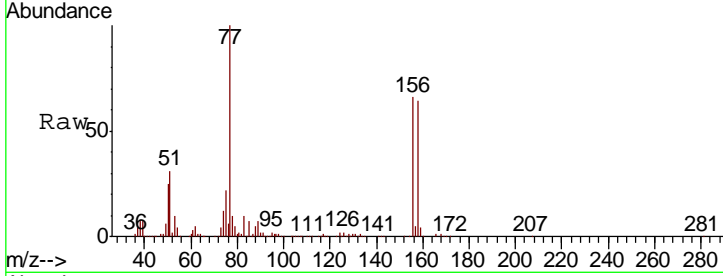
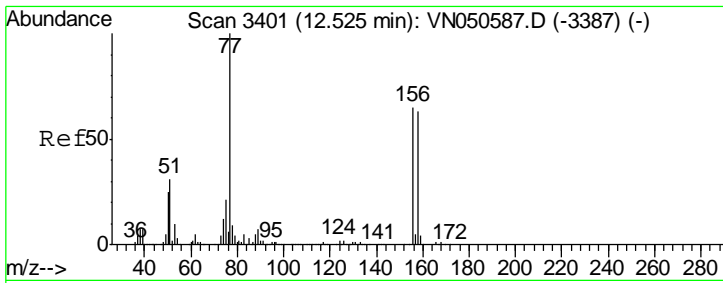
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#76
 1,2,3-Trichloropropane
 Concen: 45.35 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
75	337981		
77	0.0	0.0	0.0



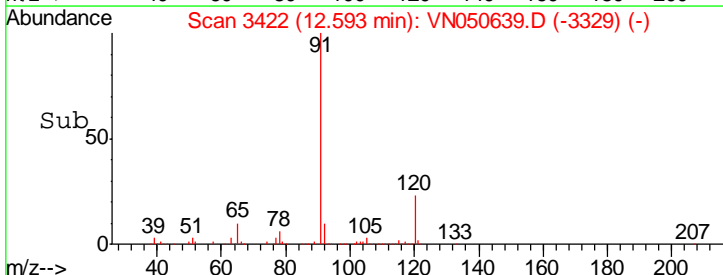
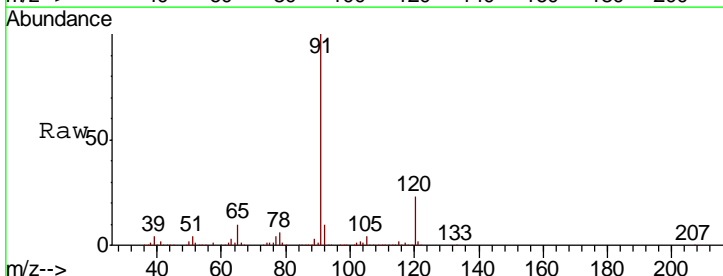
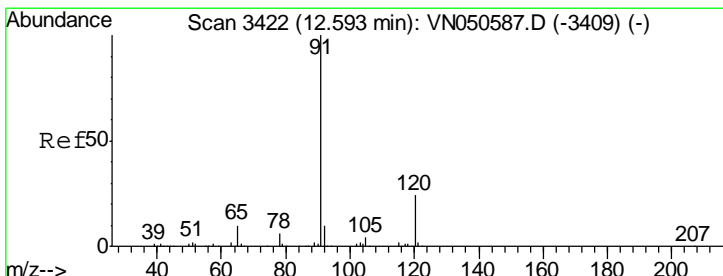
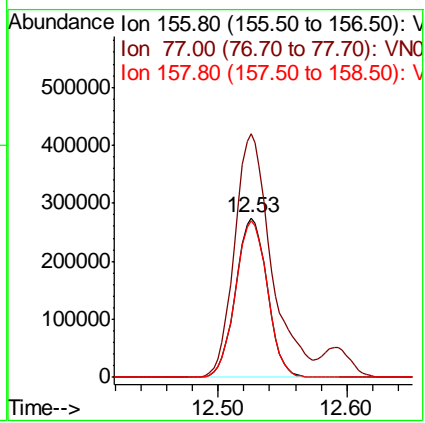


#77
 Bromobenzene
 Concen: 47.96 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
156	468308		
77	177.6	89.0	267.1
158	99.0	48.5	145.6

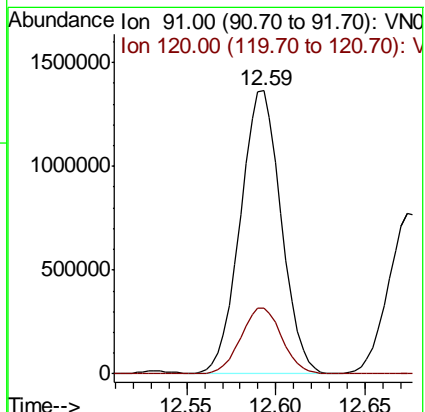
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

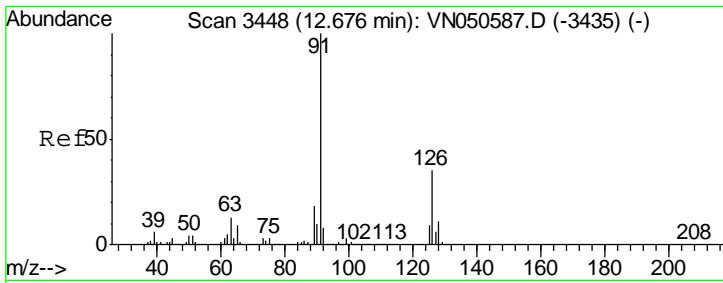
Manual Integrations
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#78
 n-propylbenzene
 Concen: 54.15 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
91	2171546		
120	23.5	11.8	35.4



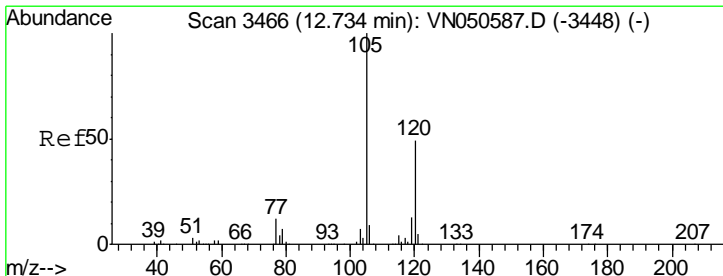
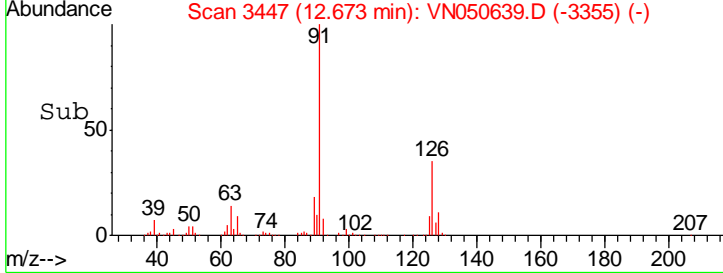
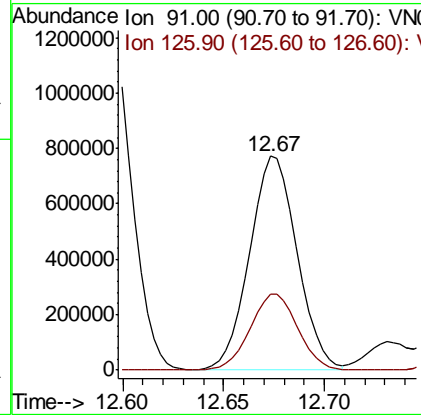
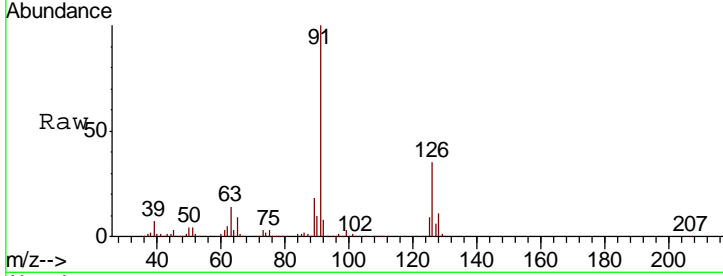


#79
 2-Chlorotoluene
 Concen: 50.83 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

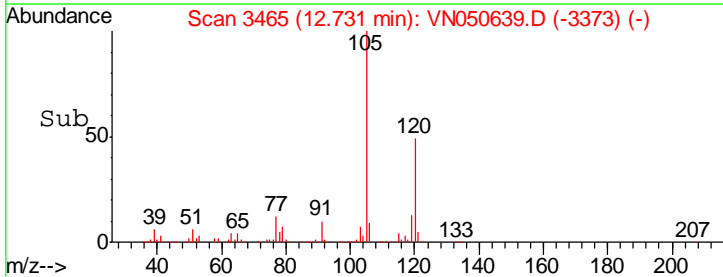
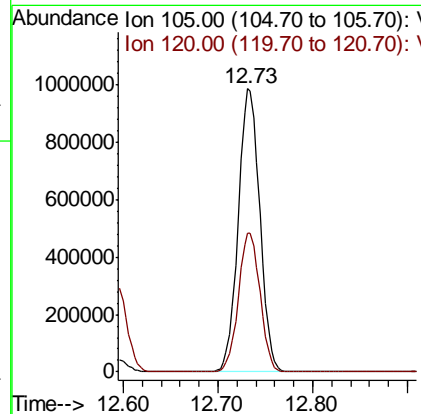
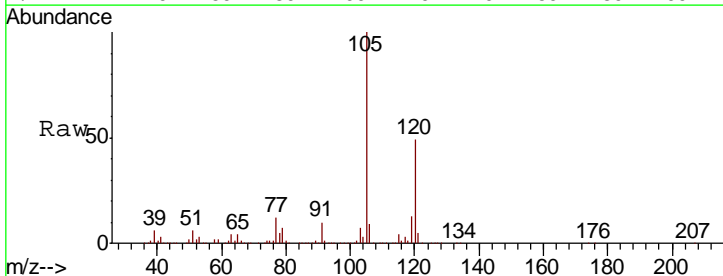
Tgt Ion	Resp	Lower	Upper
91	1270901		
126	35.7	17.6	52.8

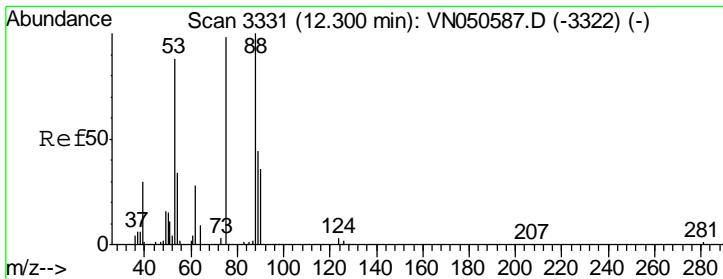
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.18 ug/l
 RT: 12.73 min Scan# 3465
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
105	1559964		
120	49.1	24.7	74.1



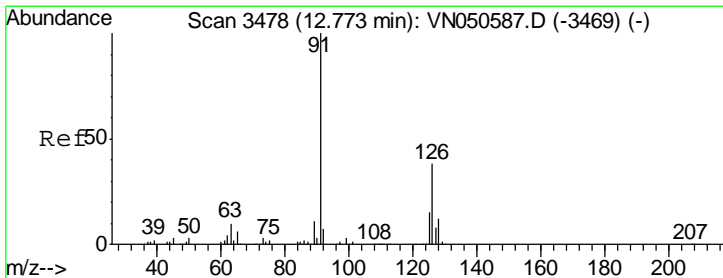
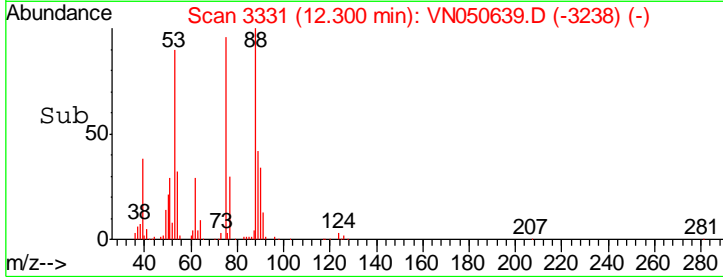
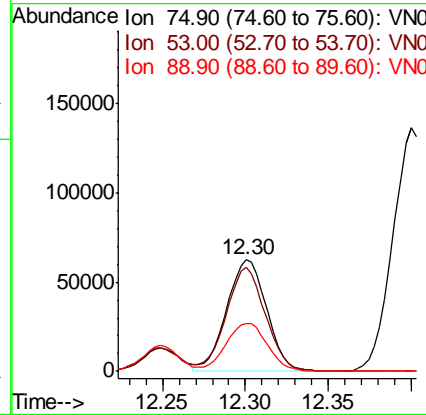
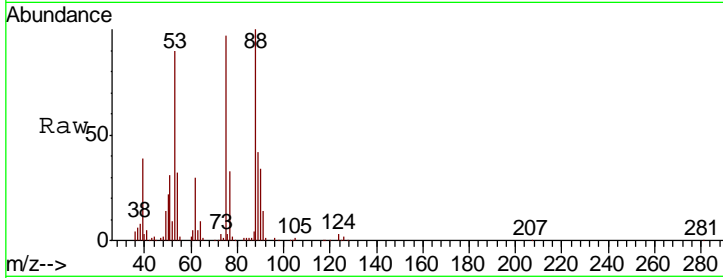


#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.98 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

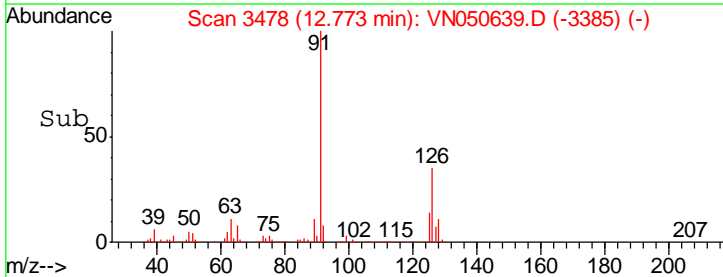
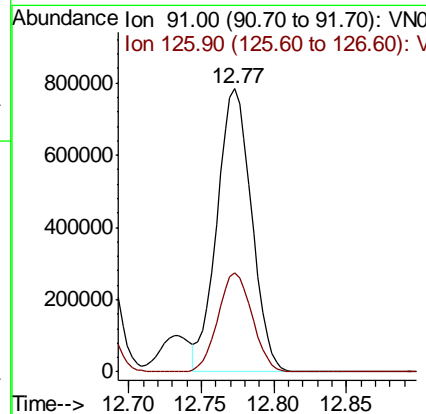
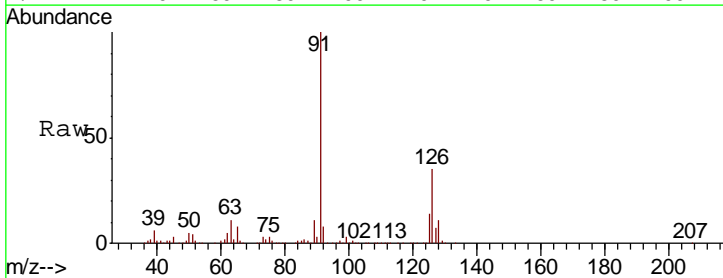
Tgt Ion	Resp	Lower	Upper
75	10545		
75	100		
53	90.5	72.2	108.2
89	44.2	36.3	54.5

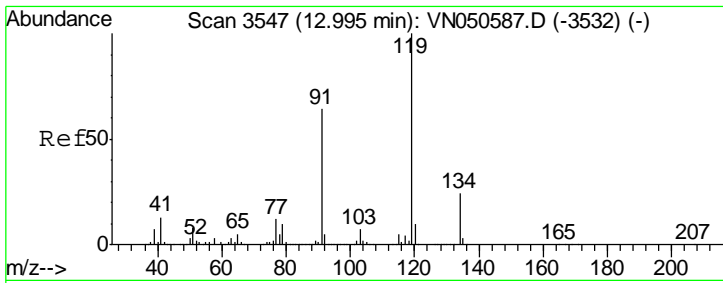
Manual Integrations
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#82
 4-Chlorotoluene
 Concen: 52.53 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
91	1297850		
91	100		
126	34.7	17.3	52.0





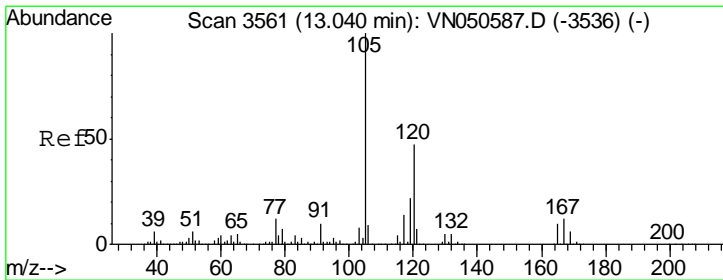
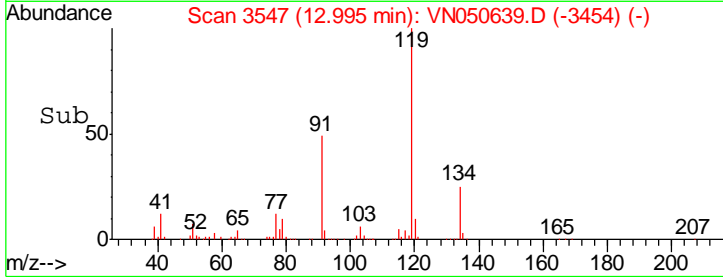
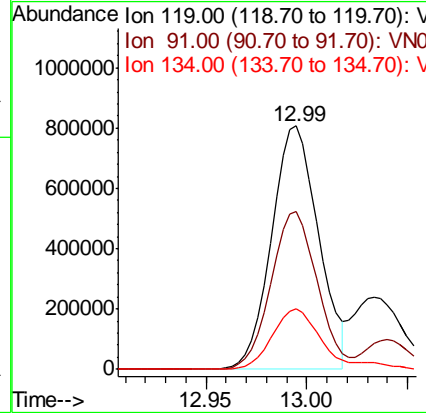
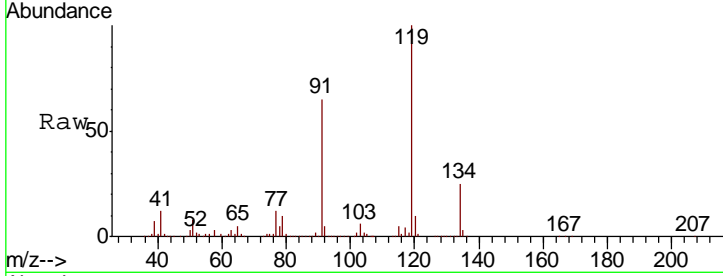
#83
 tert-Butylbenzene
 Concen: 52.24 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
119	100		
91	63.4	32.2	96.6
134	27.1	13.4	40.2

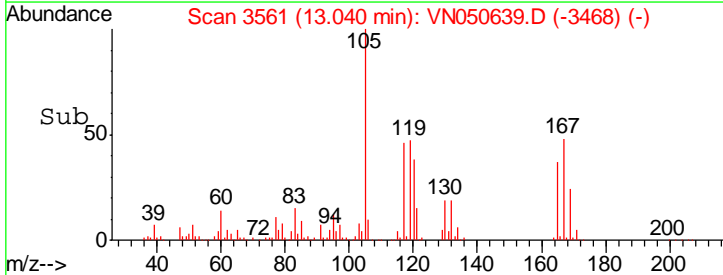
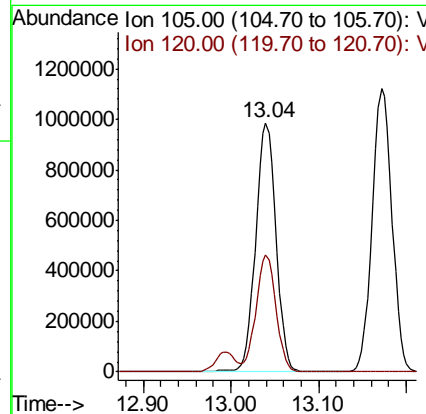
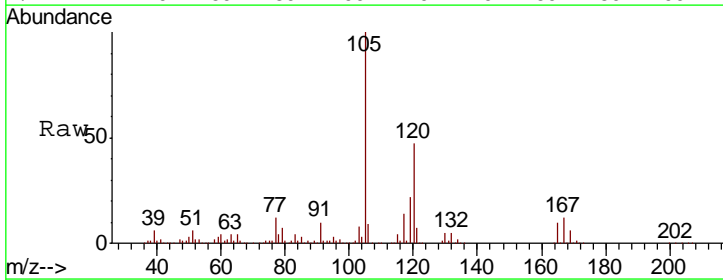
Manual Integrations
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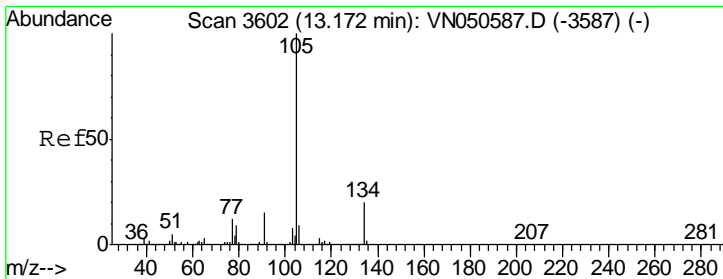
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.89 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
105	100		
120	46.2	23.2	69.5





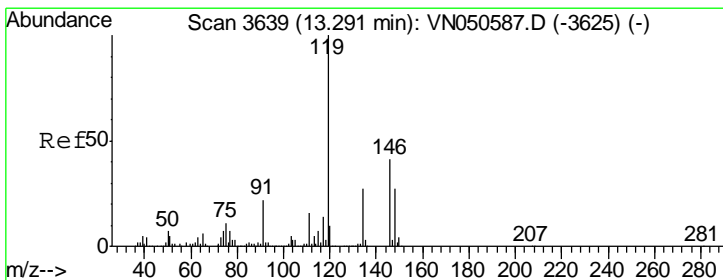
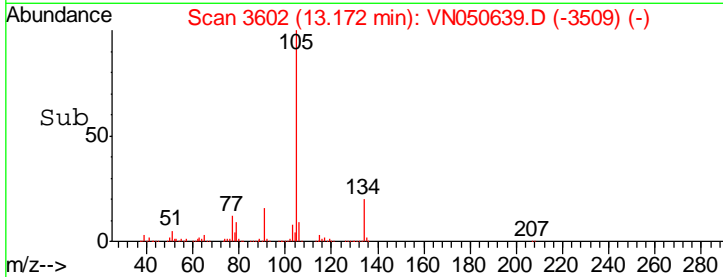
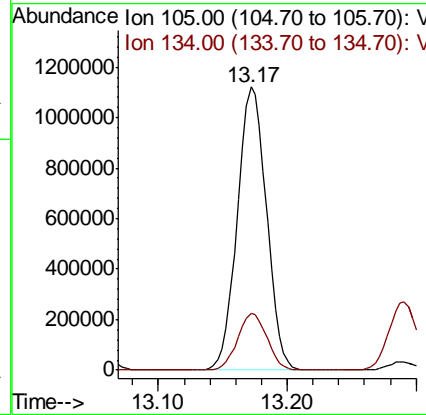
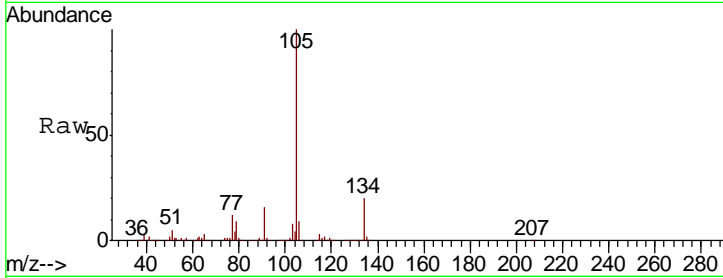
#85
 sec-Butylbenzene
 Concen: 53.91 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
105	1760852		
134	20.2	10.1	30.3

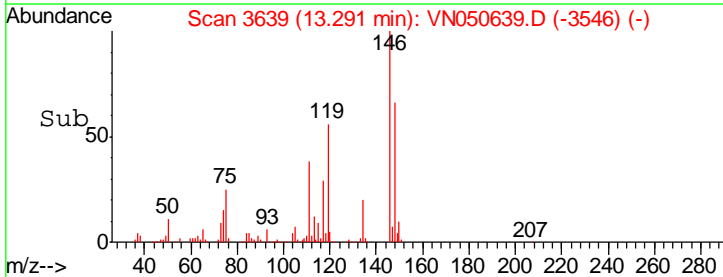
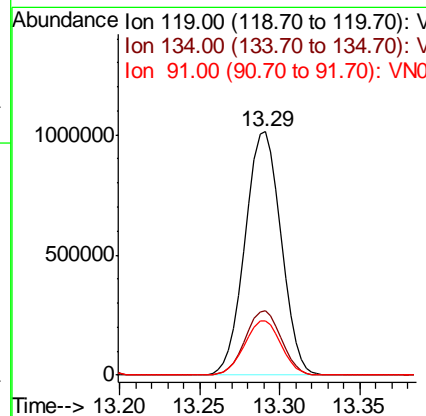
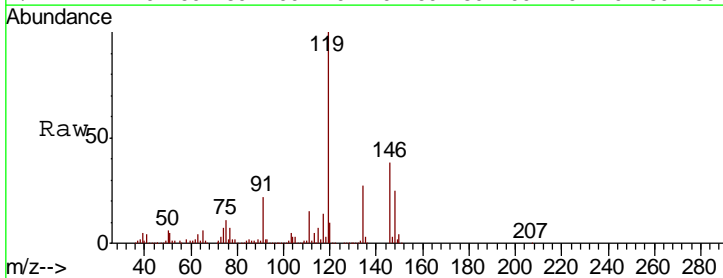
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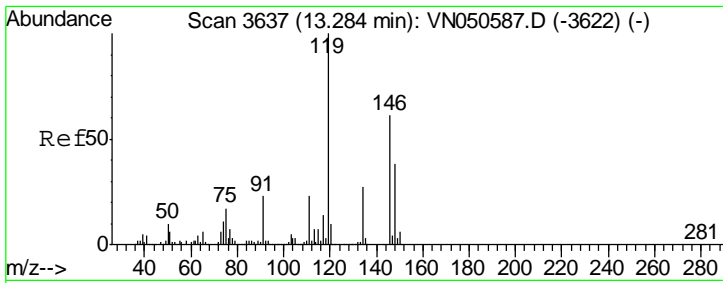
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#86
 p-Isopropyltoluene
 Concen: 55.99 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
119	1549672		
134	26.7	13.5	40.4
91	22.5	11.2	33.6





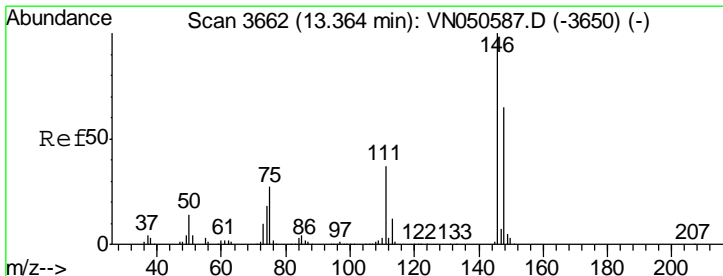
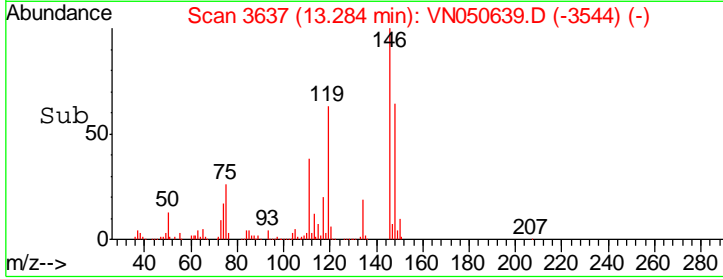
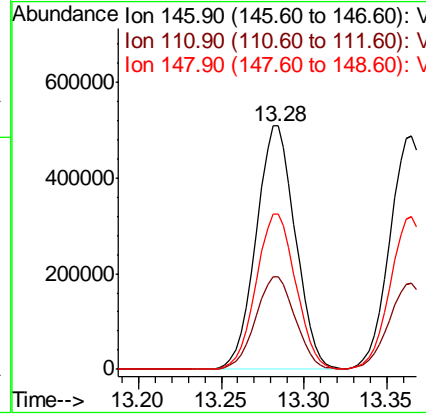
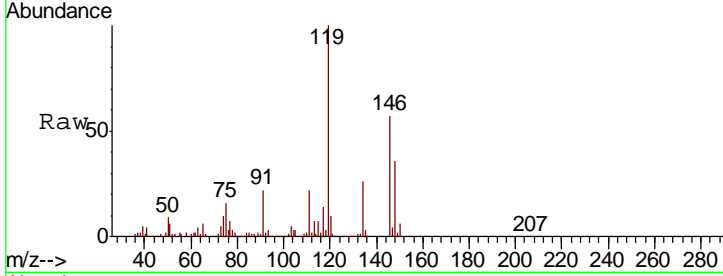
#87
 1,3-Dichlorobenzene
 Concen: 50.27 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.7	31.9	95.7

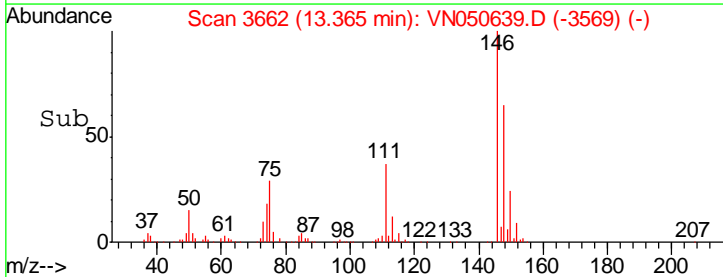
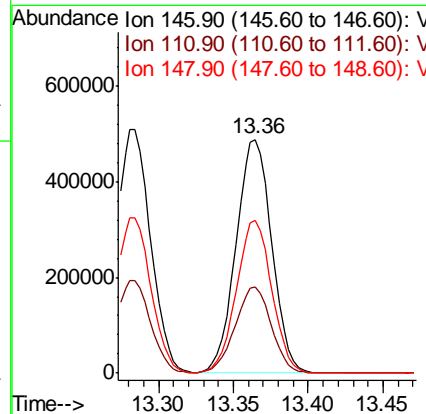
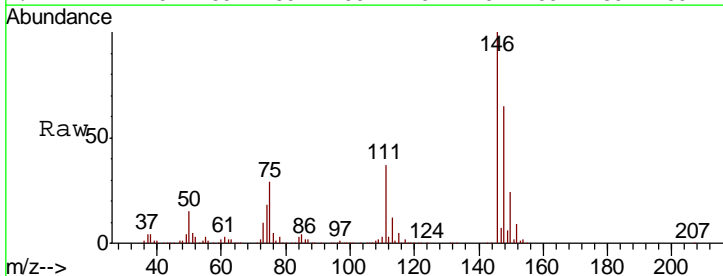
Manual Integrations
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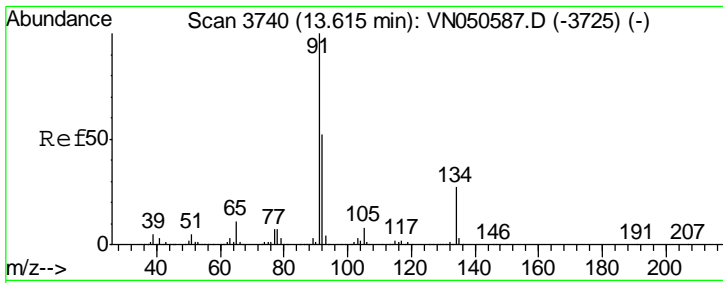
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#88
 1,4-Dichlorobenzene
 Concen: 49.19 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	64.8	32.3	96.8





#89
 n-Butylbenzene
 Concen: 55.99 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

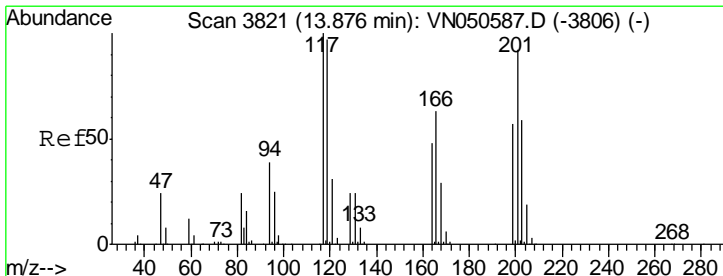
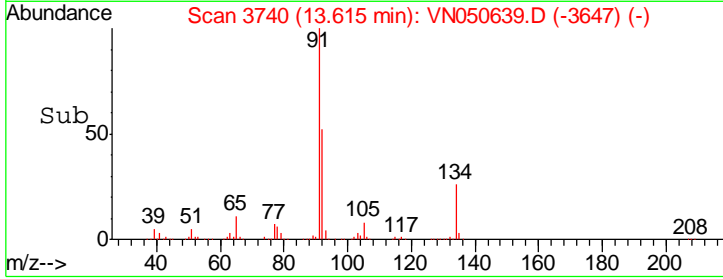
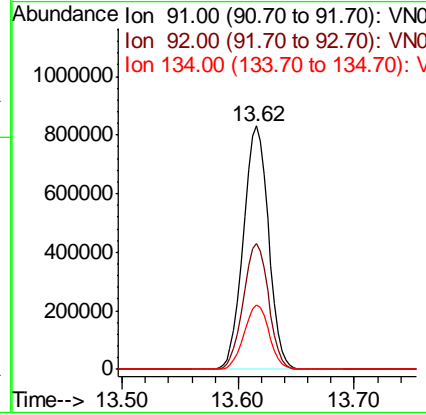
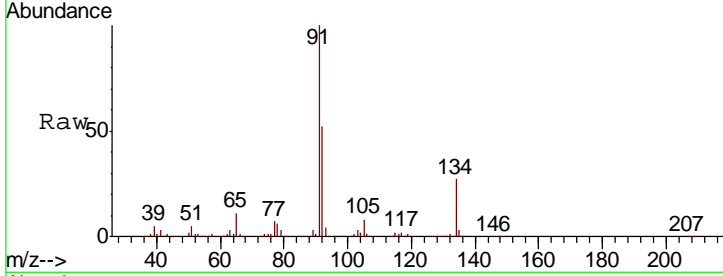
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion: 91 Resp: 1251353

Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.3	78.8
134	26.4	13.3	39.9

Manual Integrations
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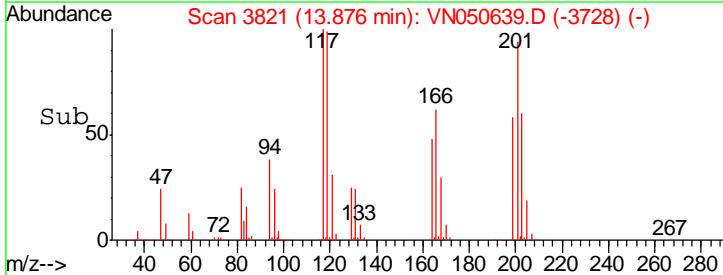
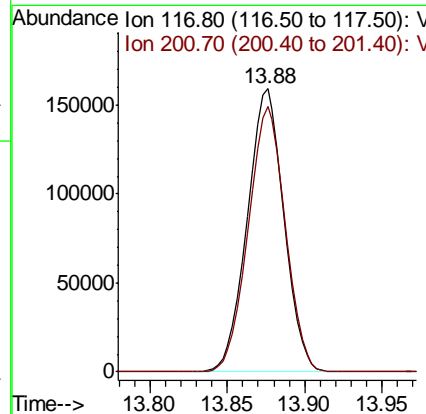
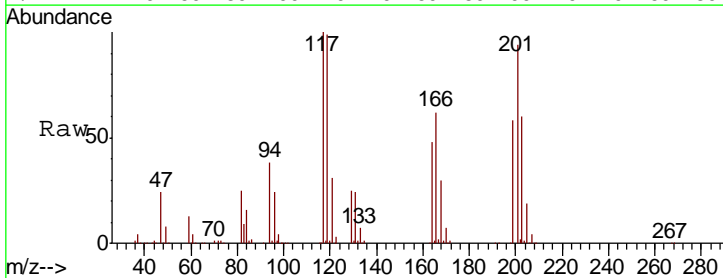
MMDadoda
 8/16/2018 1:18:21 PM

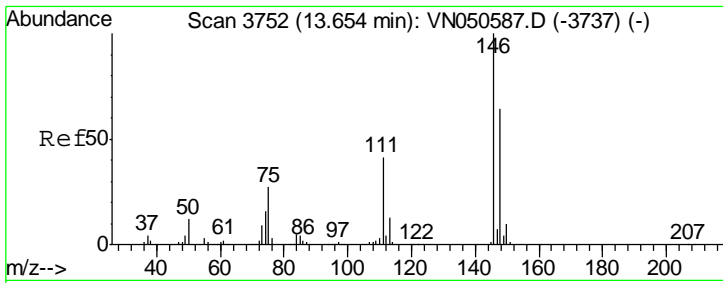


#90
 Hexachloroethane
 Concen: 47.23 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 117 Resp: 262840

Ion	Ratio	Lower	Upper
117	100		
201	94.7	45.5	136.5



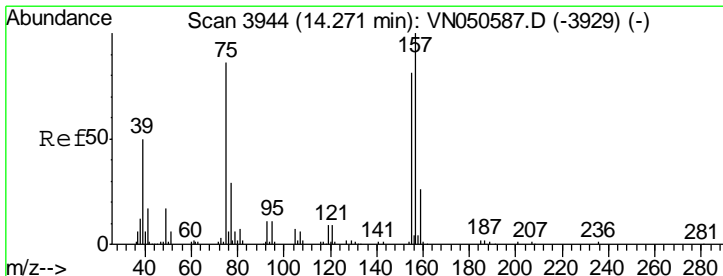
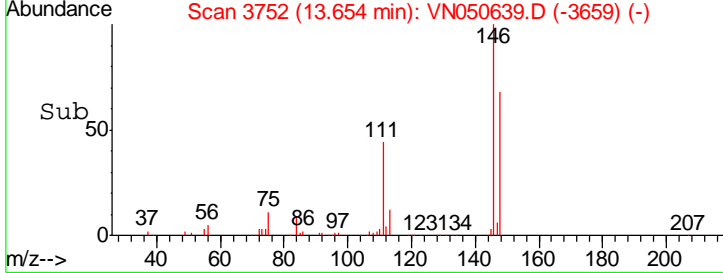
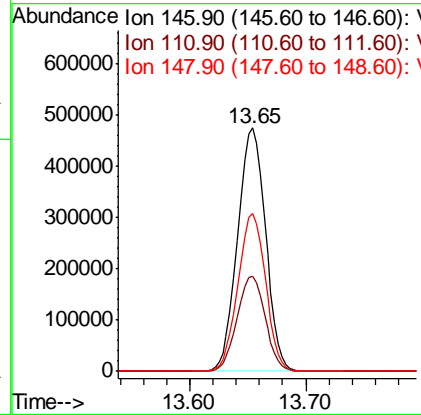
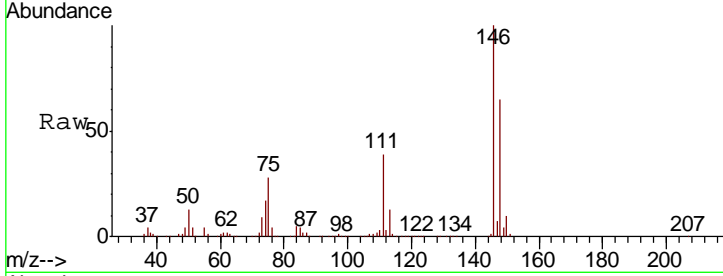


#91
 1,2-Dichlorobenzene
 Concen: 48.91 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

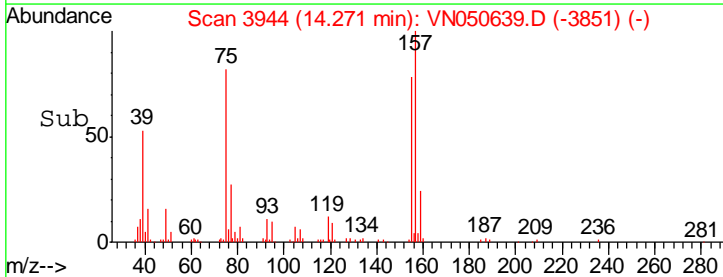
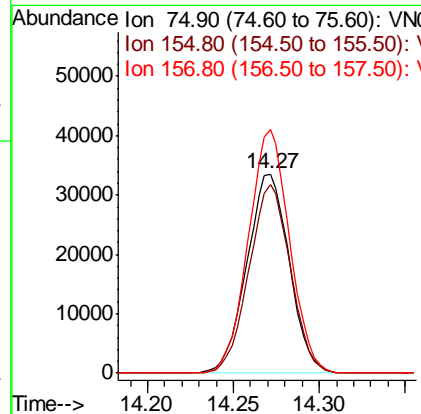
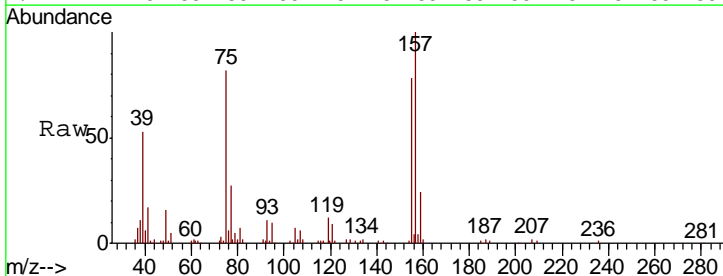
Tgt Ion	Resp	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	64.1	32.3	96.8

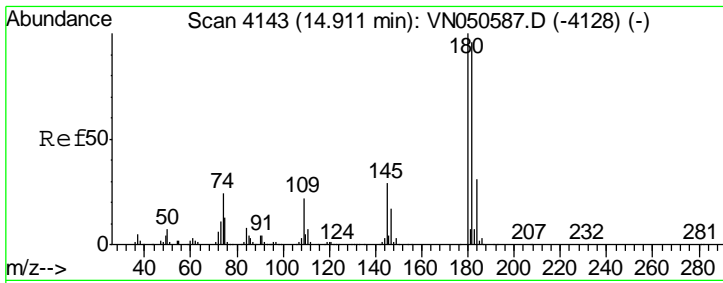
Manual Integrations
APPROVED
 MMDadoda
 8/16/2018 1:18:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.74 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
75	100		
155	92.2	46.6	139.8
157	118.7	58.1	174.2





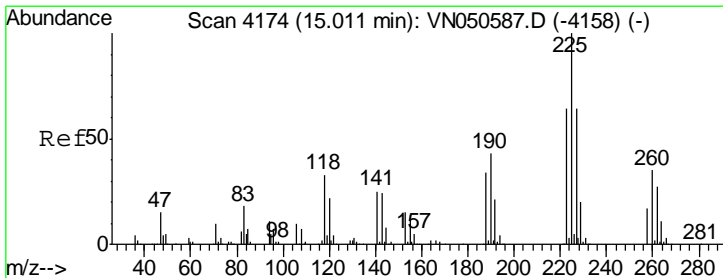
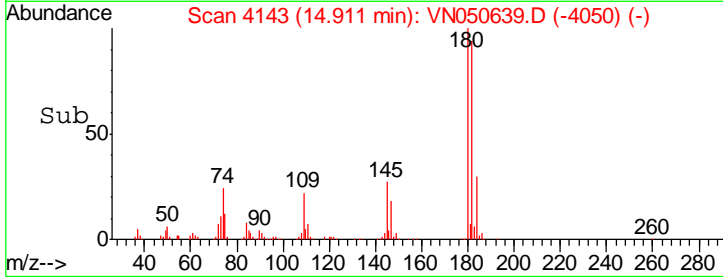
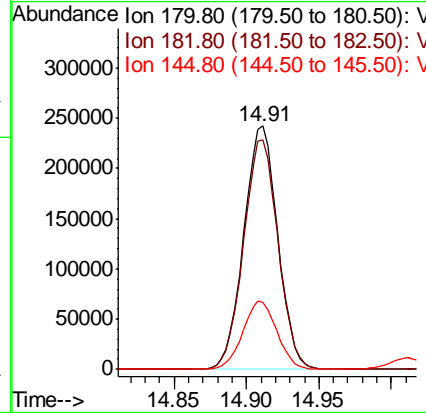
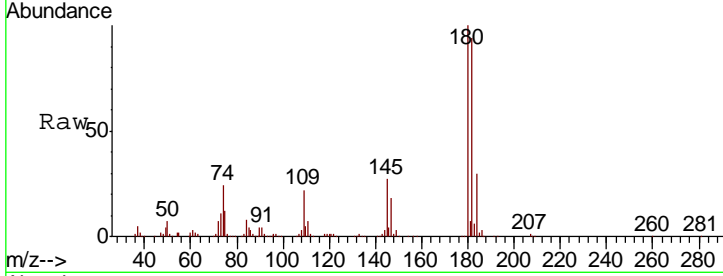
#93
 1,2,4-Trichlorobenzene
 Concen: 47.55 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	28.1	14.4	43.4

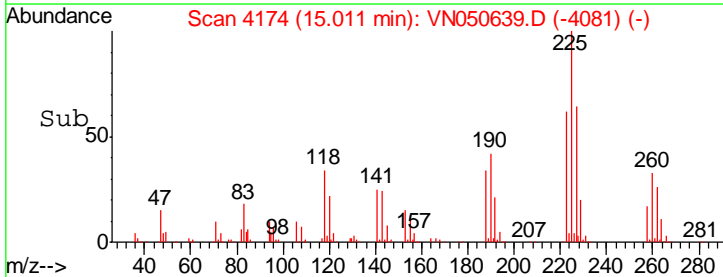
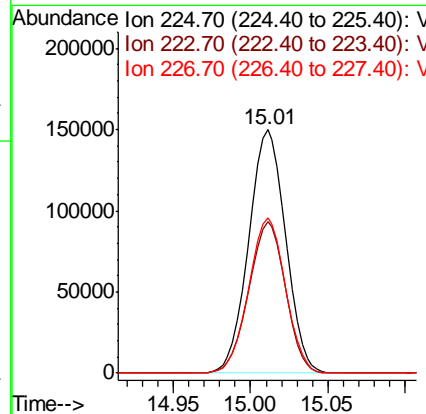
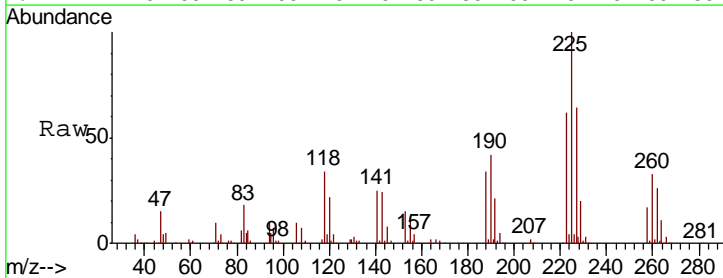
Manual Integrations
 APPROVED

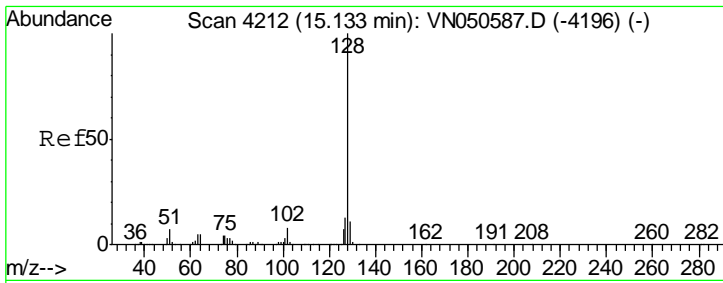
MMDadoda
 8/16/2018 1:18:21 PM



#94
 Hexachlorobutadiene
 Concen: 50.11 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
225	100		
223	61.7	32.1	96.3
227	63.4	32.0	96.2





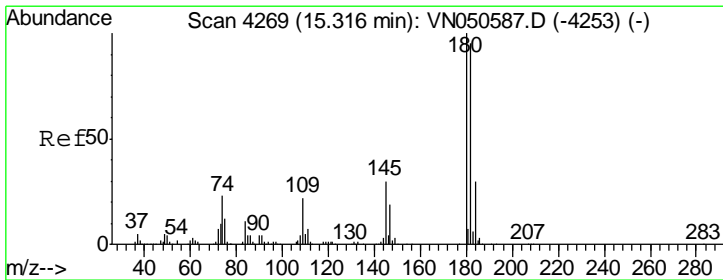
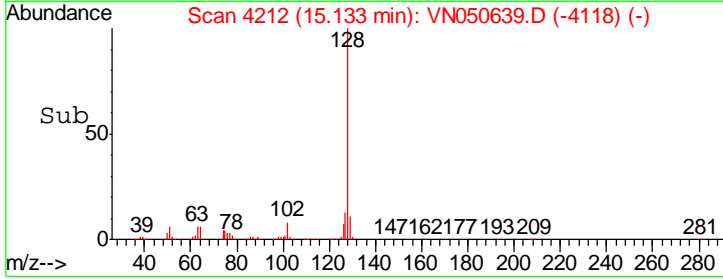
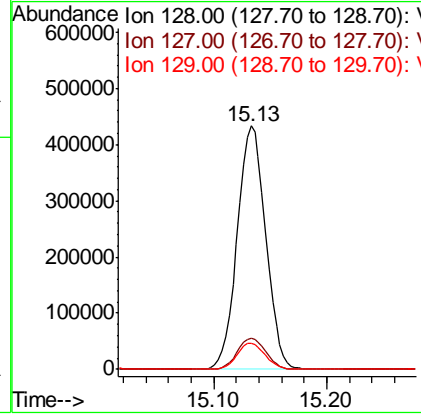
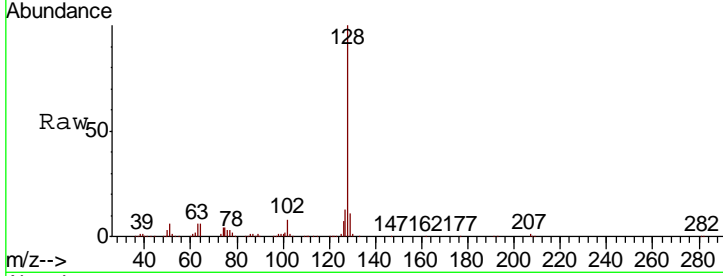
#95
 Naphthalene
 Concen: 43.38 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
128	758221		
127	12.9	10.3	15.5
129	10.7	8.5	12.7

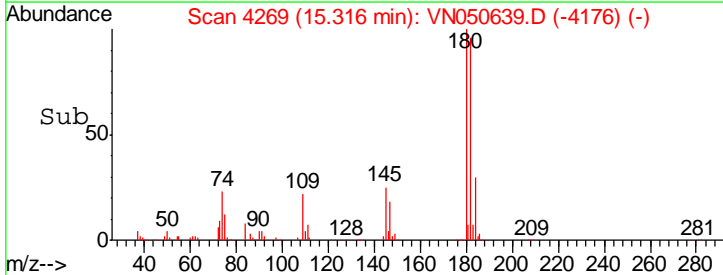
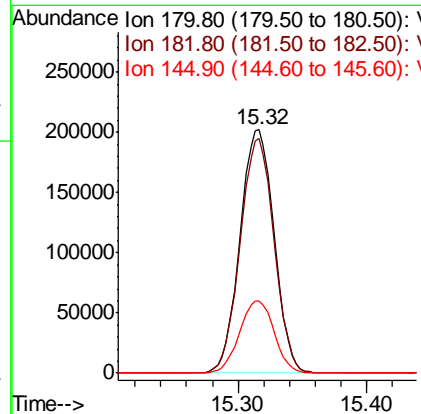
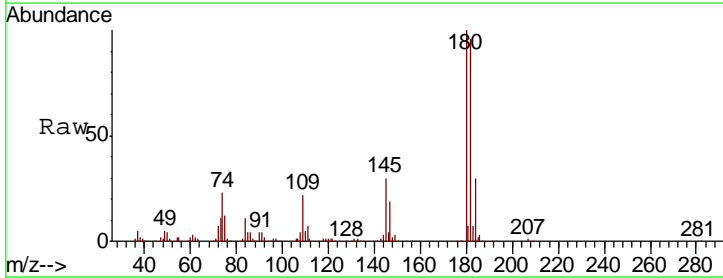
Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:21 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 47.85 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
180	371296		
182	95.9	47.3	141.8
145	30.2	14.6	44.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	104	0.00
2 T	Dichlorodifluoromethane	0.564	0.508	9.9	97	0.00
3 P	Chloromethane	0.769	0.643	16.4	99	0.00
4 C	Vinyl Chloride	0.749	0.670	10.5#	98	0.00
5 T	Bromomethane	0.484	0.389	19.6	99	0.00
6 T	Chloroethane	0.470	0.406	13.6	100	0.00
7 T	Trichlorofluoromethane	0.983	0.880	10.5	101	0.00
8 T	Diethyl Ether	0.327	0.291	11.0	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.594	0.553	6.9	103	0.00
10 T	Methyl Iodide	0.384	0.401	-4.4	114	0.00
11 T	Tert butyl alcohol	0.034	0.029	14.7	92	0.00
12 CM	1,1-Dichloroethene	0.543	0.493	9.2#	99	0.00
13 T	Acrolein	0.014	0.010	28.6#	87	0.00
14 T	Allyl chloride	0.844	0.783	7.2	100	0.00
15 T	Acrylonitrile	0.189	0.168	11.1	94	0.00
16 T	Acetone	0.174	0.164	5.7	110	0.00
17 T	Carbon Disulfide	1.707	1.556	8.8	101	0.00
18 T	Methyl Acetate	0.591	0.399	32.5#	96	0.00
19 T	Methyl tert-butyl Ether	1.381	1.298	6.0	97	0.00
20 T	Methylene Chloride	0.685	0.576	15.9	99	0.00
21 T	trans-1,2-Dichloroethene	0.588	0.546	7.1	100	0.00
22 T	Diisopropyl ether	1.730	1.685	2.6	99	0.00
23 T	Vinyl Acetate	1.132	1.101	2.7	97	0.00
24 P	1,1-Dichloroethane	1.120	1.006	10.2	100	0.00
25 T	2-Butanone	0.258	0.242	6.2	99	0.00
26 T	2,2-Dichloropropane	0.749	0.818	-9.2	124	0.00
27 T	cis-1,2-Dichloroethene	0.655	0.606	7.5	100	0.00
28 T	Bromochloromethane	0.510	0.478	6.3	101	0.00
29 T	Tetrahydrofuran	0.135	0.124	8.1	94	0.00
30 C	Chloroform	1.135	1.010	11.0#	100	0.00
31 T	Cyclohexane	1.095	0.918	16.2	100	0.00
32 T	1,1,1-Trichloroethane	0.955	0.864	9.5	99	0.00
33 S	1,2-Dichloroethane-d4	0.630	0.570	9.5	95	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35 S	Dibromofluoromethane	0.399	0.390	2.3	96	0.00
36 T	1,1-Dichloropropene	0.557	0.573	-2.9	101	0.00
37 T	Ethyl Acetate	0.315	0.313	0.6	96	0.00
38 T	Carbon Tetrachloride	0.577	0.564	2.3	101	0.00
39 T	Methylcyclohexane	0.576	0.646	-12.2	104	0.00
40 TM	Benzene	1.693	1.715	-1.3	100	0.00
41 T	Methacrylonitrile	0.170	0.168	1.2	92	0.00
42 TM	1,2-Dichloroethane	0.519	0.507	2.3	99	0.00
43 T	Isopropyl Acetate	0.573	0.543	5.2	94	0.00
44 TM	Trichloroethene	0.454	0.448	1.3	100	0.00
45 C	1,2-Dichloropropane	0.451	0.444	1.6#	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.266	0.257	3.4	100	0.00
47 T	Bromodichloromethane	0.569	0.562	1.2	100	0.00
48 T	Methyl methacrylate	0.289	0.275	4.8	95	0.00
49 T	1,4-Dioxane	0.004	0.004	0.0	95	0.00
50 S	Toluene-d8	1.502	1.487	1.0	97	0.00
51 T	4-Methyl-2-Pentanone	0.388	0.385	0.8	95	0.00
52 CM	Toluene	1.011	1.055	-4.4#	100	0.00
53 T	t-1,3-Dichloropropene	0.530	0.559	-5.5	102	0.00
54 T	cis-1,3-Dichloropropene	0.608	0.657	-8.1	103	0.00
55 T	1,1,2-Trichloroethane	0.378	0.366	3.2	98	0.00
56 T	Ethyl methacrylate	0.427	0.447	-4.7	95	0.00
57 T	1,3-Dichloropropane	0.619	0.621	-0.3	99	0.00
58 T	2-Chloroethyl Vinyl ether	0.200	0.214	-7.0	95	0.00
59 T	2-Hexanone	0.250	0.256	-2.4	95	0.00
60 T	Dibromochloromethane	0.417	0.423	-1.4	100	0.00
61 T	1,2-Dibromoethane	0.360	0.361	-0.3	98	0.00
62 S	4-Bromofluorobenzene	0.496	0.495	0.2	97	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64 T	Tetrachloroethene	0.464	0.454	2.2	98	0.00
65 PM	Chlorobenzene	1.244	1.248	-0.3	101	0.00
66 T	1,1,1,2-Tetrachloroethane	0.466	0.459	1.5	100	0.00
67 C	Ethyl Benzene	2.009	2.162	-7.6#	101	0.00
68 T	m/p-Xylenes	0.768	0.838	-9.1	101	0.00
69 T	o-Xylene	0.733	0.785	-7.1	99	0.00
70 T	Styrene	1.177	1.308	-11.1	101	0.00
71 P	Bromoform	0.309	0.305	1.3	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73 T	Isopropylbenzene	3.907	4.072	-4.2	101	0.00
74 T	N-amyl acetate	1.016	0.970	4.5	94	0.00
75 P	1,1,2,2-Tetrachloroethane	1.068	0.925	13.4	98	0.00
76 T	1,2,3-Trichloropropane	0.899	0.734	18.4	94	0.00
77 T	Bromobenzene	1.061	1.017	4.1	99	0.00
78 T	n-propylbenzene	4.356	4.718	-8.3	102	0.00
79 T	2-Chlorotoluene	2.716	2.761	-1.7	100	0.00
80 T	1,3,5-Trimethylbenzene	3.128	3.389	-8.3	102	0.00
81 T	trans-1,4-Dichloro-2-butene	0.225	0.229	-1.8	103	0.00
82 T	4-Chlorotoluene	2.684	2.820	-5.1	101	0.00
83 T	tert-Butylbenzene	2.715	2.837	-4.5	102	0.00
84 T	1,2,4-Trimethylbenzene	3.139	3.446	-9.8	102	0.00
85 T	sec-Butylbenzene	3.548	3.825	-7.8	102	0.00
86 T	p-Isopropyltoluene	3.006	3.367	-12.0	103	0.00
87 T	1,3-Dichlorobenzene	1.806	1.815	-0.5	101	0.00
88 T	1,4-Dichlorobenzene	1.792	1.763	1.6	100	0.00
89 T	n-Butylbenzene	2.428	2.719	-12.0	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.605	0.571	5.6	102	0.00
91 T	1,2-Dichlorobenzene	1.762	1.723	2.2	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.139	0.125	10.1	92	0.00
93 T	1,2,4-Trichlorobenzene	0.767	0.857	-11.7	99	0.00
94 T	Hexachlorobutadiene	0.540	0.541	-0.2	107	0.00
95 T	Naphthalene	1.531	1.647	-7.6	92	0.00
96 T	1,2,3-Trichlorobenzene	0.745	0.807	-8.3	97	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	104	0.00
2 T	Dichlorodifluoromethane	50.000	45.075	9.8	97	0.00
3 P	Chloromethane	50.000	46.795	6.4	99	0.00
4 C	Vinyl Chloride	50.000	44.734	10.5#	98	0.00
5 T	Bromomethane	50.000	48.285	3.4	99	0.00
6 T	Chloroethane	50.000	48.733	2.5	100	0.00
7 T	Trichlorofluoromethane	50.000	44.783	10.4	101	0.00
8 T	Diethyl Ether	50.000	44.583	10.8	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.508	7.0	103	0.00
10 T	Methyl Iodide	50.000	47.776	4.4	114	0.00
11 T	Tert butyl alcohol	250.000	213.862	14.5	92	0.00
12 CM	1,1-Dichloroethene	50.000	45.443	9.1#	99	0.00
13 T	Acrolein	250.000	197.789	20.9#	87	0.00
14 T	Allyl chloride	50.000	46.387	7.2	100	0.00
15 T	Acrylonitrile	250.000	222.784	10.9	94	0.00
16 T	Acetone	250.000	260.237	-4.1	110	0.00
17 T	Carbon Disulfide	50.000	45.558	8.9	101	0.00
18 T	Methyl Acetate	50.000	44.987	10.0	96	0.00
19 T	Methyl tert-butyl Ether	50.000	47.016	6.0	97	0.00
20 T	Methylene Chloride	50.000	48.007	4.0	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.385	7.2	100	0.00
22 T	Diisopropyl ether	50.000	48.704	2.6	99	0.00
23 T	Vinyl Acetate	250.000	243.149	2.7	97	0.00
24 P	1,1-Dichloroethane	50.000	44.911	10.2	100	0.00
25 T	2-Butanone	250.000	233.682	6.5	99	0.00
26 T	2,2-Dichloropropane	50.000	54.578	-9.2	124	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.284	7.4	100	0.00
28 T	Bromochloromethane	50.000	46.929	6.1	101	0.00
29 T	Tetrahydrofuran	250.000	228.893	8.4	94	0.00
30 C	Chloroform	50.000	44.527	10.9#	100	0.00
31 T	Cyclohexane	50.000	48.034	3.9	100	0.00
32 T	1,1,1-Trichloroethane	50.000	45.217	9.6	99	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.191	9.6	95	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35 S	Dibromofluoromethane	50.000	48.796	2.4	96	0.00
36 T	1,1-Dichloropropene	50.000	51.460	-2.9	101	0.00
37 T	Ethyl Acetate	50.000	49.726	0.5	96	0.00
38 T	Carbon Tetrachloride	50.000	48.875	2.3	101	0.00
39 T	Methylcyclohexane	50.000	56.018	-12.0	104	0.00
40 TM	Benzene	50.000	50.649	-1.3	100	0.00
41 T	Methacrylonitrile	50.000	49.278	1.4	92	0.00
42 TM	1,2-Dichloroethane	50.000	48.844	2.3	99	0.00
43 T	Isopropyl Acetate	50.000	47.313	5.4	94	0.00
44 TM	Trichloroethene	50.000	49.374	1.3	100	0.00
45 C	1,2-Dichloropropane	50.000	49.265	1.5#	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	48.358	3.3	100	0.00
47 T	Bromodichloromethane	50.000	49.395	1.2	100	0.00
48 T	Methyl methacrylate	50.000	47.643	4.7	95	0.00
49 T	1,4-Dioxane	1000.000	967.638	3.2	95	0.00
50 S	Toluene-d8	50.000	49.488	1.0	97	0.00
51 T	4-Methyl-2-Pentanone	250.000	248.123	0.8	95	0.00
52 CM	Toluene	50.000	52.155	-4.3#	100	0.00
53 T	t-1,3-Dichloropropene	50.000	52.708	-5.4	102	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.016	-8.0	103	0.00
55 T	1,1,2-Trichloroethane	50.000	48.425	3.2	98	0.00
56 T	Ethyl methacrylate	50.000	46.514	7.0	95	0.00
57 T	1,3-Dichloropropane	50.000	50.114	-0.2	99	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	232.388	7.0	95	0.00
59 T	2-Hexanone	250.000	255.846	-2.3	95	0.00
60 T	Dibromochloromethane	50.000	50.715	-1.4	100	0.00
61 T	1,2-Dibromoethane	50.000	50.209	-0.4	98	0.00
62 S	4-Bromofluorobenzene	50.000	49.860	0.3	97	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64 T	Tetrachloroethene	50.000	48.860	2.3	98	0.00
65 PM	Chlorobenzene	50.000	50.136	-0.3	101	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.192	1.6	100	0.00
67 C	Ethyl Benzene	50.000	53.811	-7.6#	101	0.00
68 T	m/p-Xylenes	100.000	109.066	-9.1	101	0.00
69 T	o-Xylene	50.000	53.544	-7.1	99	0.00
70 T	Styrene	50.000	50.192	-0.4	101	0.00
71 P	Bromoform	50.000	49.350	1.3	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73 T	Isopropylbenzene	50.000	52.114	-4.2	101	0.00
74 T	N-amyl acetate	50.000	47.712	4.6	94	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.053	-2.1	98	0.00
76 T	1,2,3-Trichloropropane	50.000	45.351	9.3	94	0.00
77 T	Bromobenzene	50.000	47.963	4.1	99	0.00
78 T	n-propylbenzene	50.000	54.150	-8.3	102	0.00
79 T	2-Chlorotoluene	50.000	50.831	-1.7	100	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.176	-8.4	102	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.978	-2.0	103	0.00
82 T	4-Chlorotoluene	50.000	52.530	-5.1	101	0.00
83 T	tert-Butylbenzene	50.000	52.245	-4.5	102	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.890	-9.8	102	0.00
85 T	sec-Butylbenzene	50.000	53.909	-7.8	102	0.00
86 T	p-Isopropyltoluene	50.000	55.991	-12.0	103	0.00
87 T	1,3-Dichlorobenzene	50.000	50.271	-0.5	101	0.00
88 T	1,4-Dichlorobenzene	50.000	49.187	1.6	100	0.00
89 T	n-Butylbenzene	50.000	55.990	-12.0	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	47.228	5.5	102	0.00
91 T	1,2-Dichlorobenzene	50.000	48.908	2.2	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.744	10.5	92	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.551	4.9	99	0.00
94 T	Hexachlorobutadiene	50.000	50.112	-0.2	107	0.00
95 T	Naphthalene	50.000	43.380	13.2	92	0.00
96 T	1,2,3-Trichlorobenzene	50.000	47.849	4.3	97	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

QC SAMPLE
DATA

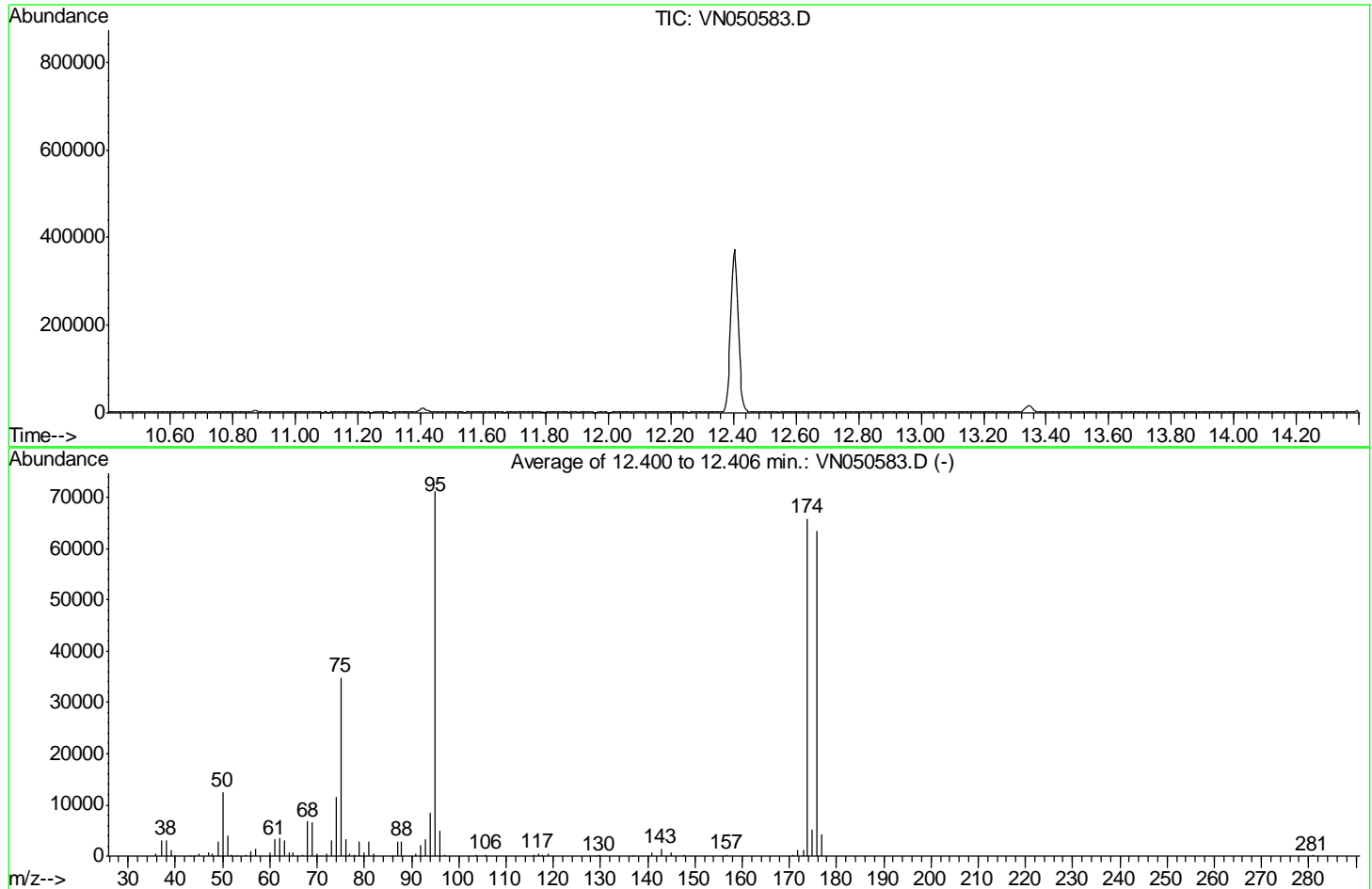
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050583.D
 Acq On : 13 Aug 2018 22:57
 Operator : MD\SY
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260
 Last Update : Tue Aug 14 08:07:08 2018



AutoFind: Scans 3362, 3363, 3364; Background Corrected with Scan 3348

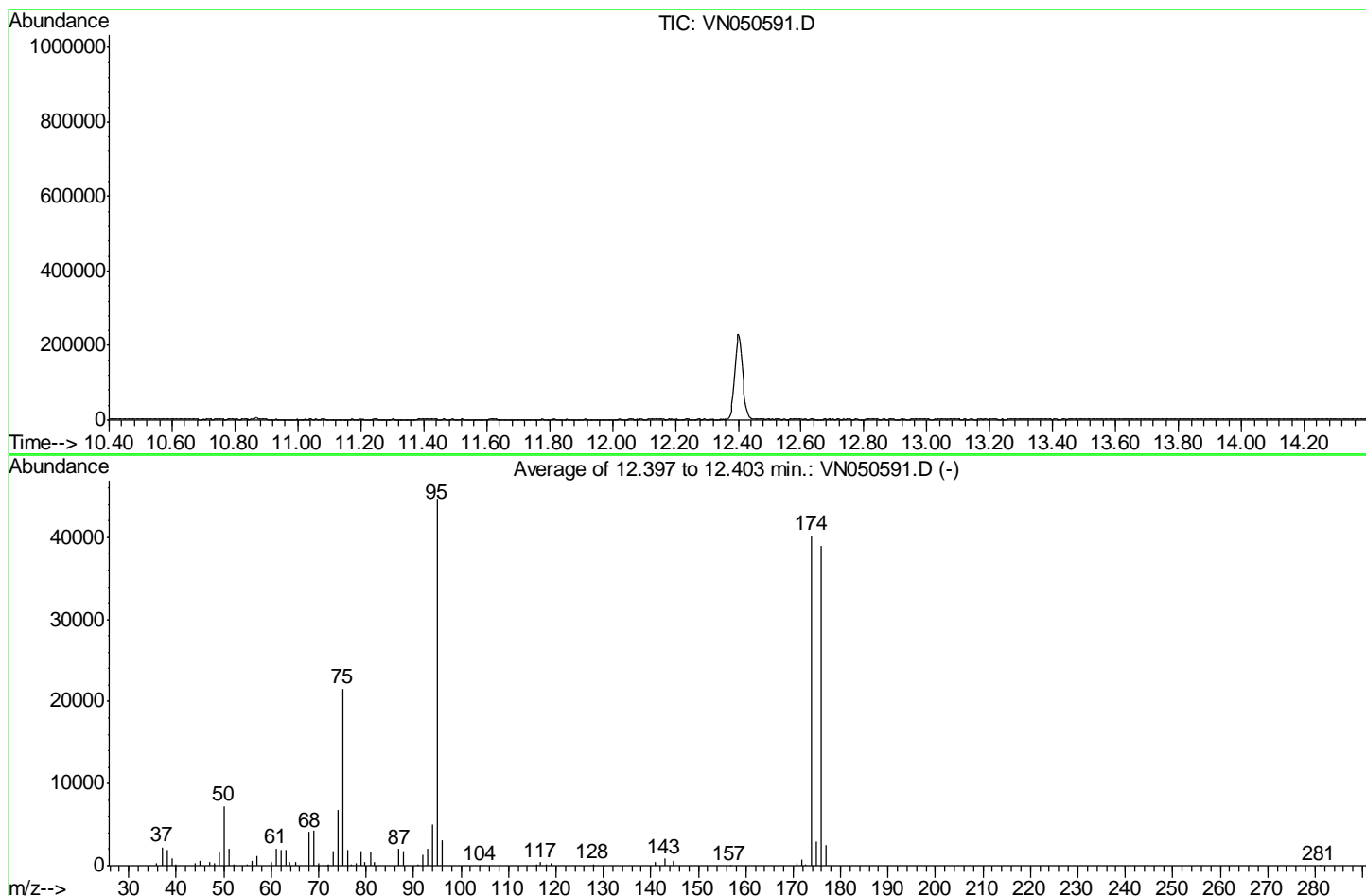
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.7	12584	PASS
75	95	30	60	49.0	34869	PASS
95	95	100	100	100.0	71216	PASS
96	95	5	9	6.9	4919	PASS
173	174	0.00	2	1.6	1083	PASS
174	95	50	100	92.5	65901	PASS
175	174	5	9	8.0	5274	PASS
176	174	95	101	96.2	63424	PASS
177	176	5	9	6.5	4125	PASS

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050591.D
 Acq On : 14 Aug 2018 10:11
 Operator : MD\SY
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260
 Last Update : Tue Aug 14 08:07:08 2018



AutoFind: Scans 3361, 3362, 3363; Background Corrected with Scan 3348

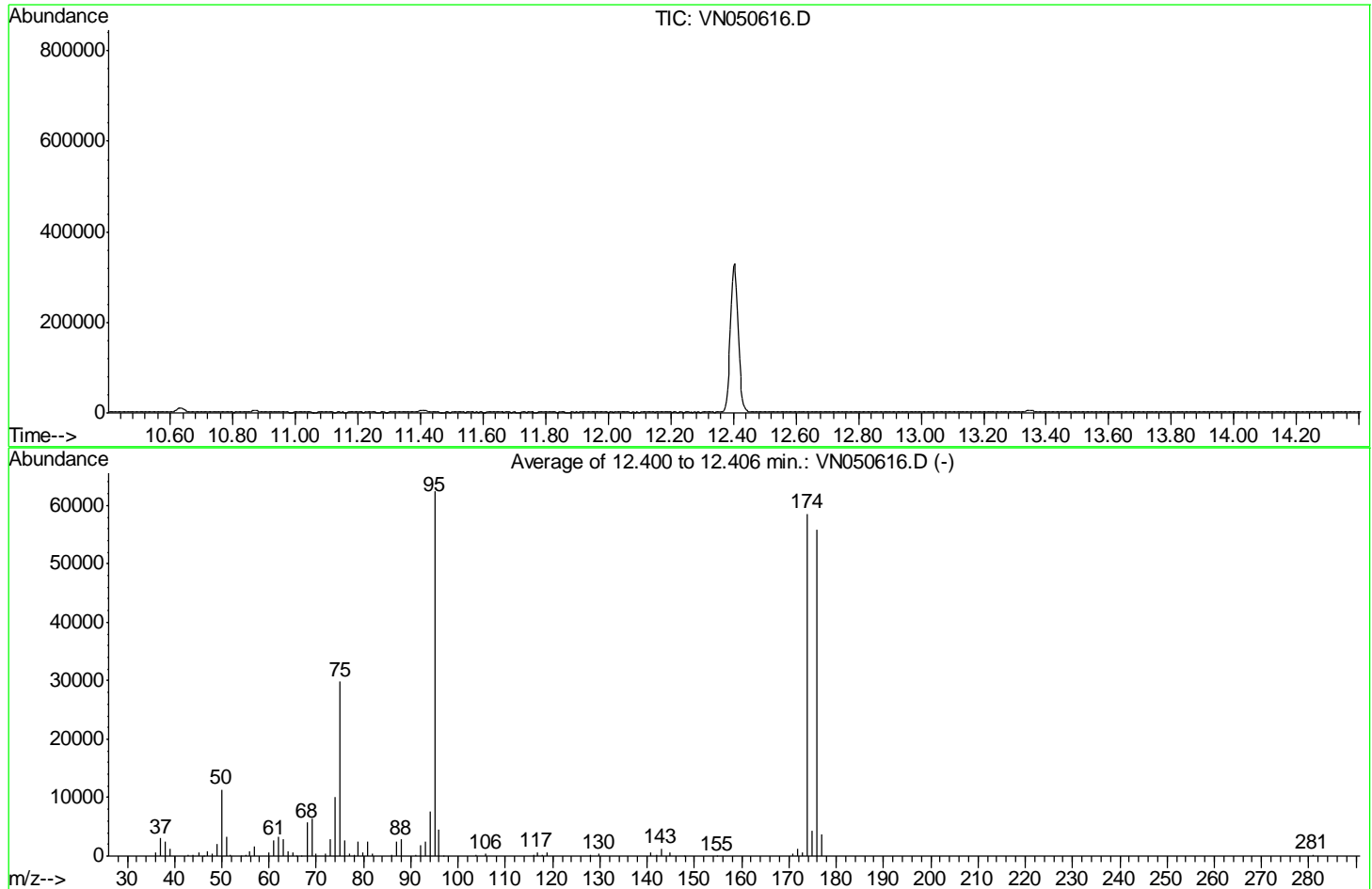
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.2	7249	PASS
75	95	30	60	48.4	21621	PASS
95	95	100	100	100.0	44688	PASS
96	95	5	9	6.9	3096	PASS
173	174	0.00	2	0.4	163	PASS
174	95	50	100	89.8	40136	PASS
175	174	5	9	7.5	3011	PASS
176	174	95	101	97.2	39005	PASS
177	176	5	9	6.4	2494	PASS

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050616.D
 Acq On : 14 Aug 2018 21:21
 Operator : MD\SY
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260
 Last Update : Tue Aug 14 08:07:08 2018



AutoFind: Scans 3362, 3363, 3364; Background Corrected with Scan 3349

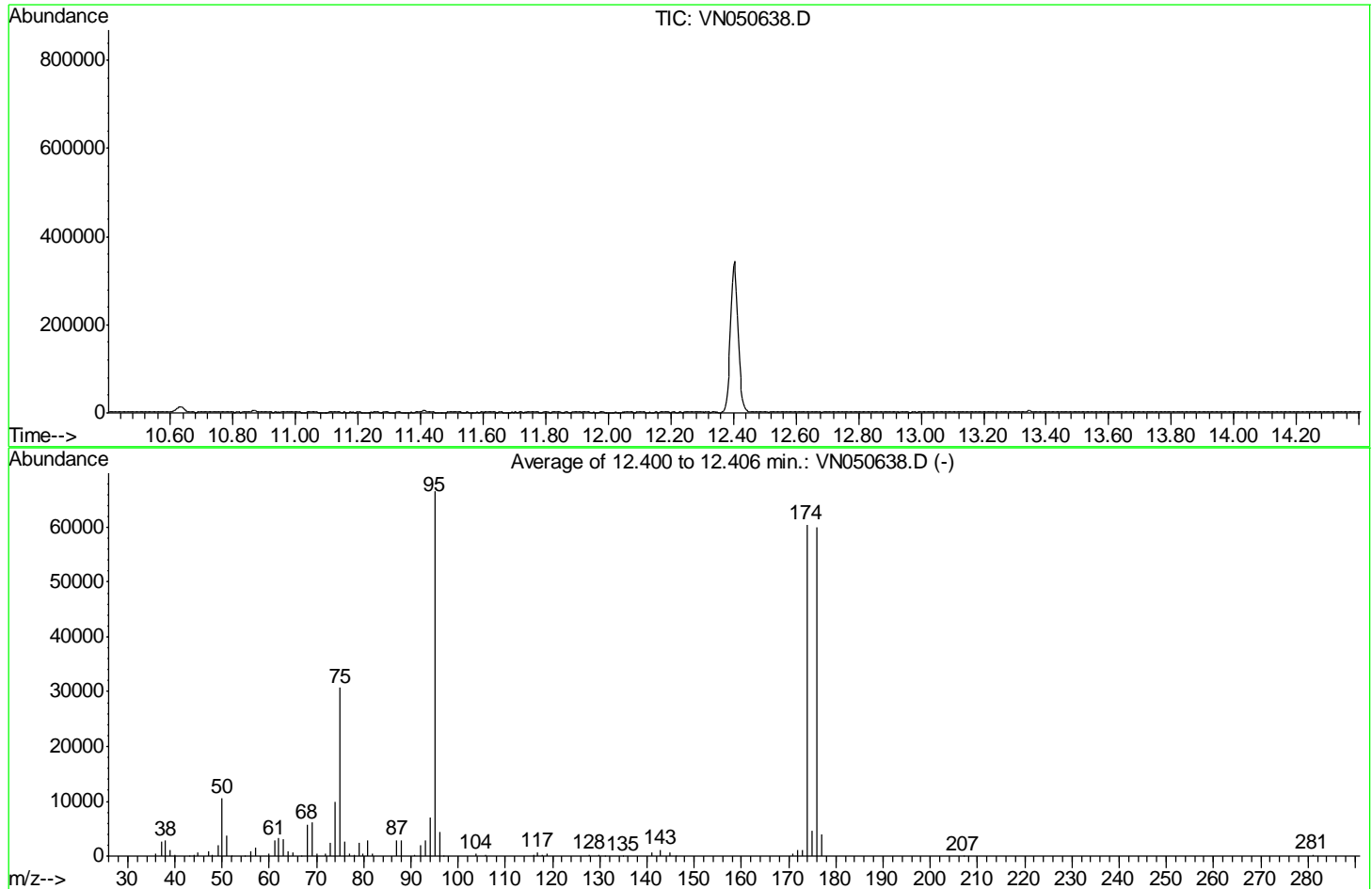
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	11436	PASS
75	95	30	60	47.8	29858	PASS
95	95	100	100	100.0	62400	PASS
96	95	5	9	7.2	4462	PASS
173	174	0.00	2	1.2	686	PASS
174	95	50	100	93.9	58597	PASS
175	174	5	9	7.4	4345	PASS
176	174	95	101	95.4	55880	PASS
177	176	5	9	6.8	3808	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050638.D
 Acq On : 15 Aug 2018 7:55
 Operator : MD\SY
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260
 Last Update : Tue Aug 14 08:07:08 2018



AutoFind: Scans 3362, 3363, 3364; Background Corrected with Scan 3349

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.8	10541	PASS
75	95	30	60	46.2	30752	PASS
95	95	100	100	100.0	66544	PASS
96	95	5	9	6.6	4366	PASS
173	174	0.00	2	1.8	1080	PASS
174	95	50	100	90.8	60437	PASS
175	174	5	9	7.8	4708	PASS
176	174	95	101	99.1	59909	PASS
177	176	5	9	6.6	3952	PASS



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBL01	SDG No.:	J4465
Lab Sample ID:	VN0814WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050593.D	1		08/14/18 11:22	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBL01	SDG No.:	J4465
Lab Sample ID:	VN0814WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050593.D	1		08/14/18 11:22	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.3		61 - 141		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		69 - 133		108%	SPK: 50
2037-26-5	Toluene-d8	50.6		65 - 126		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.1		58 - 135		78%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	720282	7.67				
540-36-3	1,4-Difluorobenzene	1131080	8.59				
3114-55-4	Chlorobenzene-d5	923538	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	313004	13.35				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBL01	SDG No.:	J4465
Lab Sample ID:	VN0814WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050593.D	1		08/14/18 11:22	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050593.D
 Acq On : 14 Aug 2018 11:22
 Operator : MD\SY
 Sample : VN0814WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

Quant Time: Aug 15 08:29:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	720282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1131077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	313004	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	511395	56.33	ug/l	0.00
Spiked Amount						
						Recovery = 112.66%
35) Dibromofluoromethane	7.59	113	486427	53.87	ug/l	0.00
Spiked Amount						
						Recovery = 107.74%
50) Toluene-d8	10.09	98	1720404	50.62	ug/l	0.00
Spiked Amount						
						Recovery = 101.24%
62) 4-Bromofluorobenzene	12.40	95	438830	39.09	ug/l	0.00
Spiked Amount						
						Recovery = 78.18%

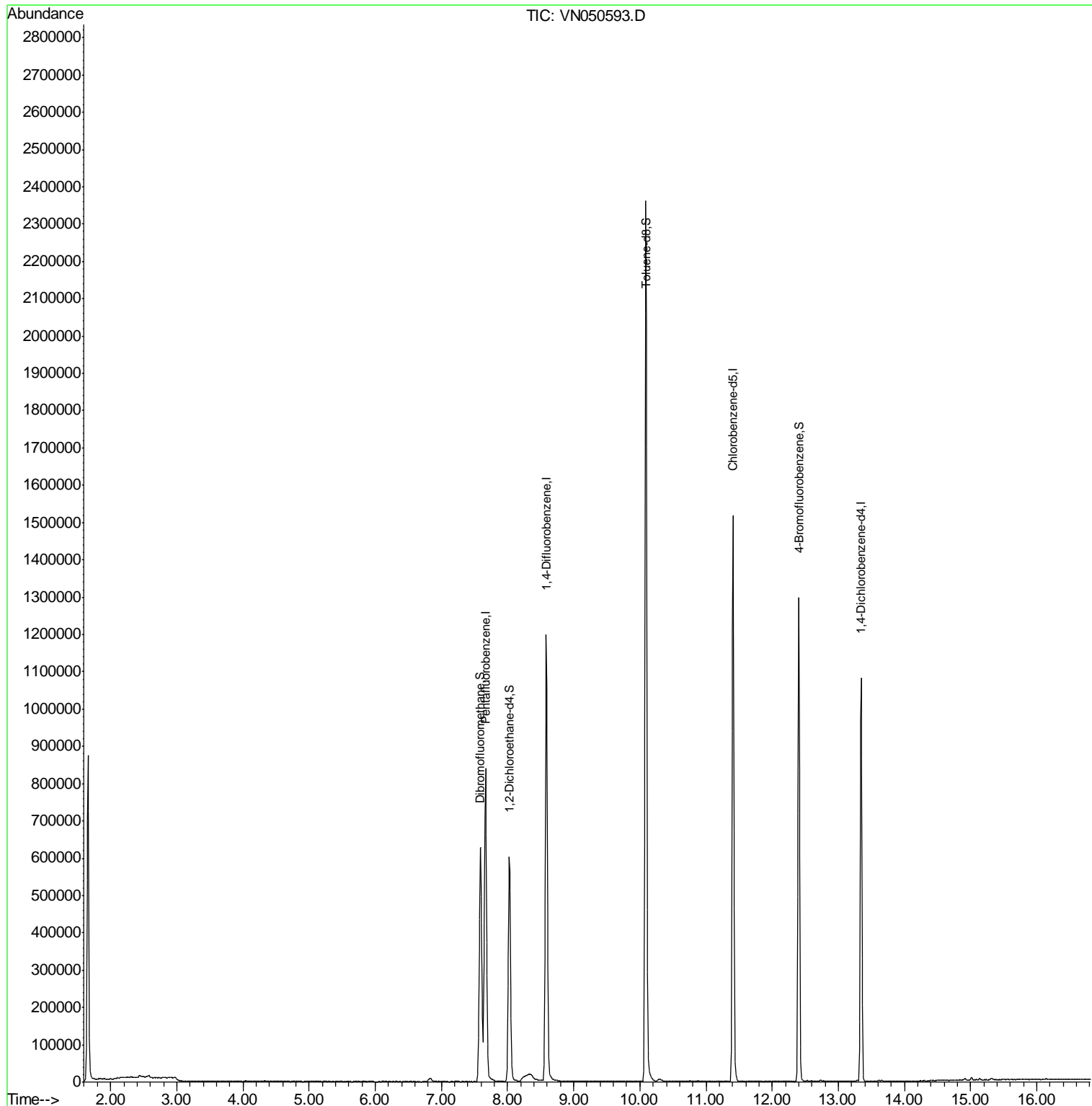
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

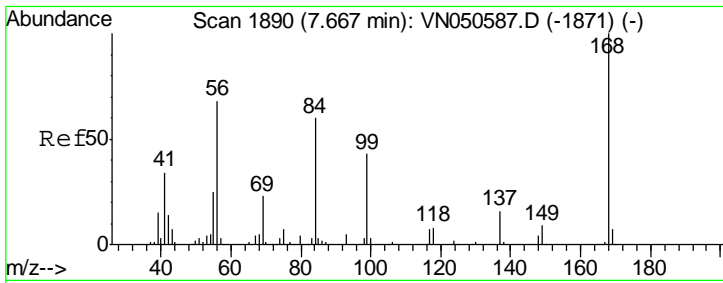
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 Data File : VN050593.D
 Acq On : 14 Aug 2018 11:22
 Operator : MD\SY
 Sample : VN0814WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

Quant Time: Aug 15 08:29:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



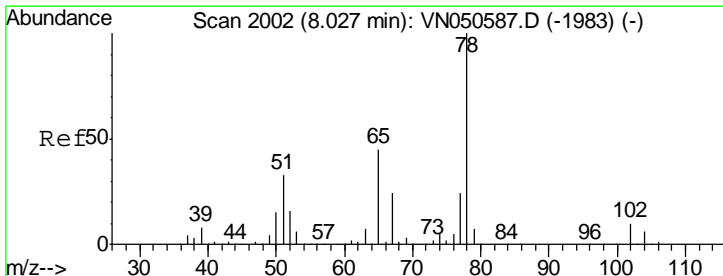
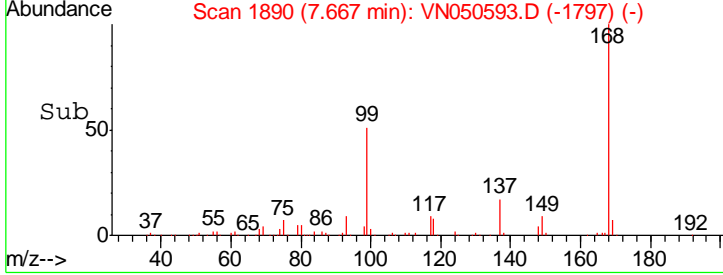
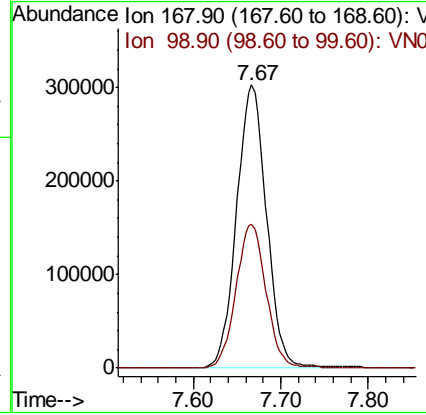
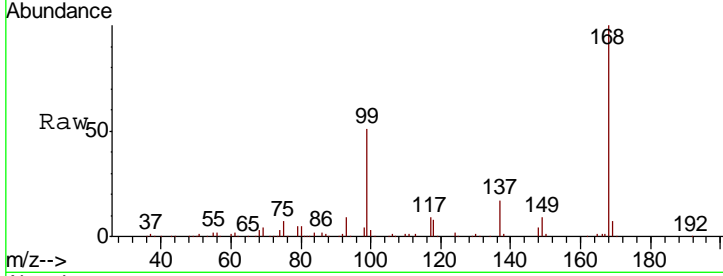
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

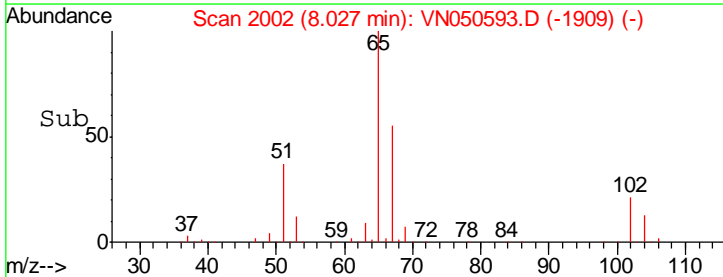
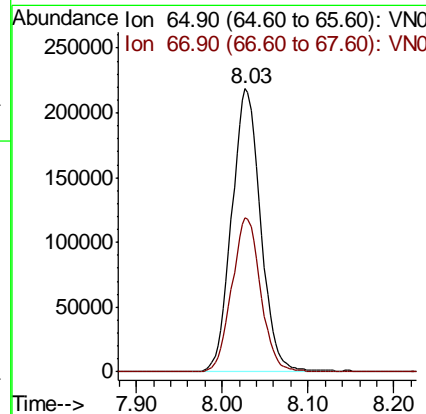
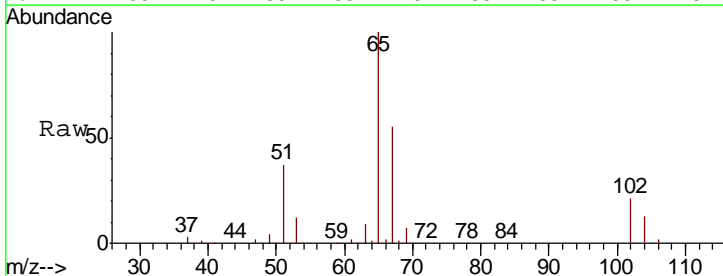
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

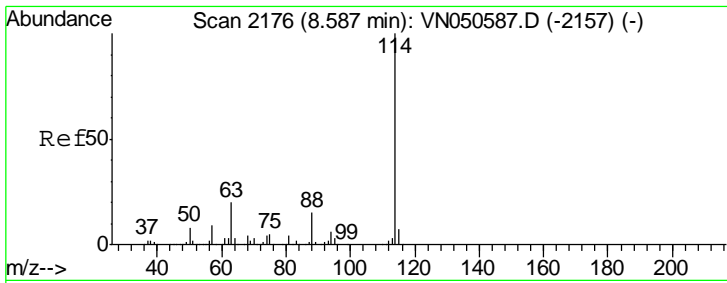
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.8	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 56.33 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.2	0.0	109.8

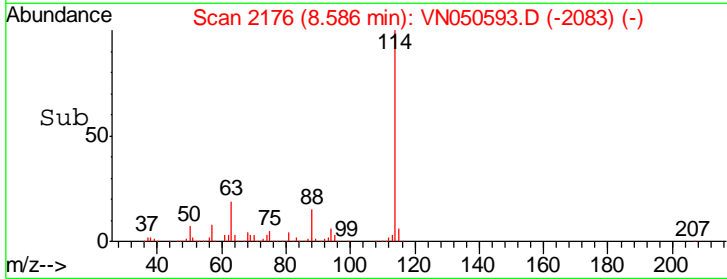
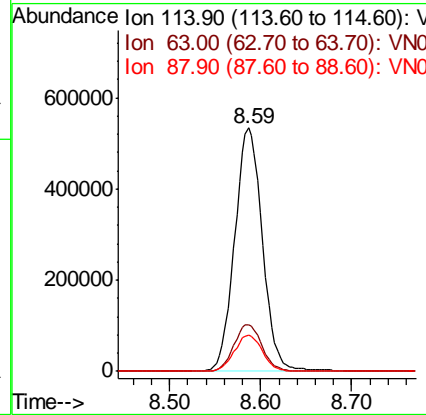
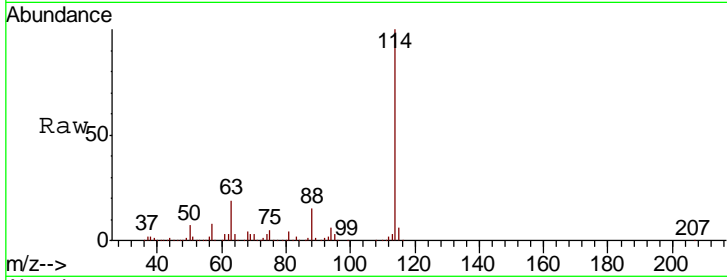




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

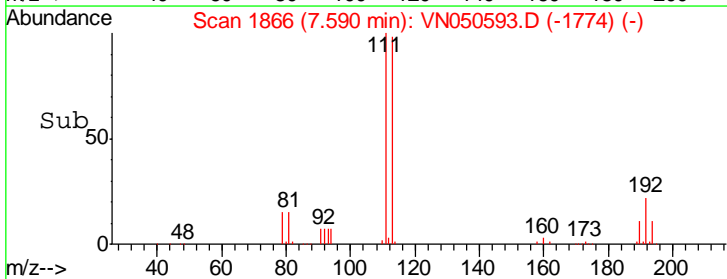
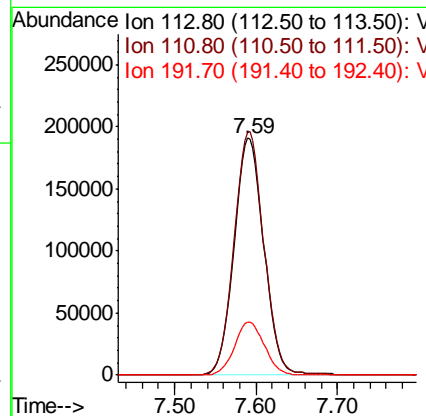
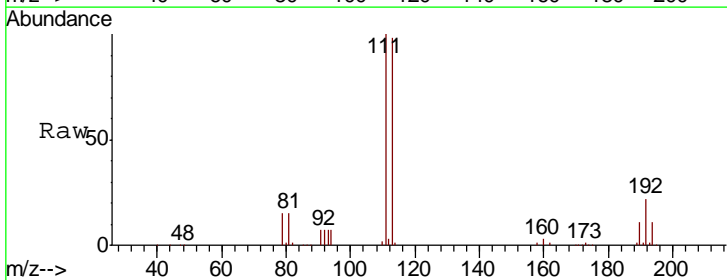
Instrument : MSVOA_N
 ClientSampled : VN0814WBL01

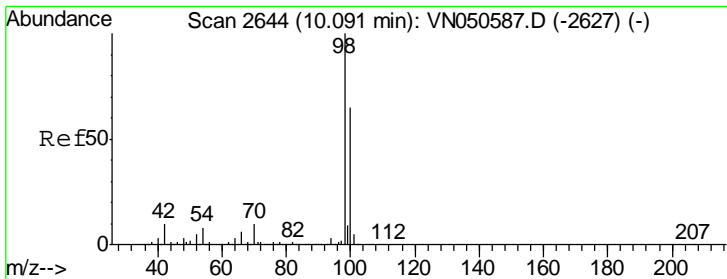
Tgt Ion	Resp	Lower	Upper
114	1131077		
63	19.2	0.0	40.0
88	14.9	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 53.87 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

Tgt Ion	Resp	Lower	Upper
113	486427		
111	102.9	81.0	121.6
192	22.5	17.6	26.4

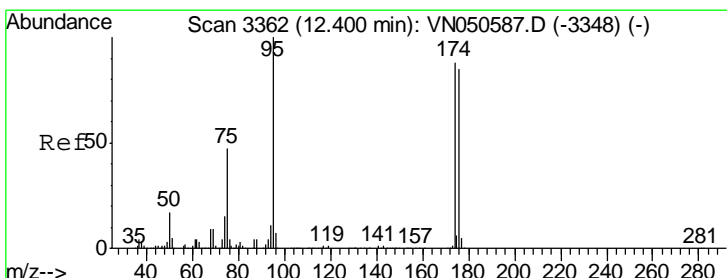
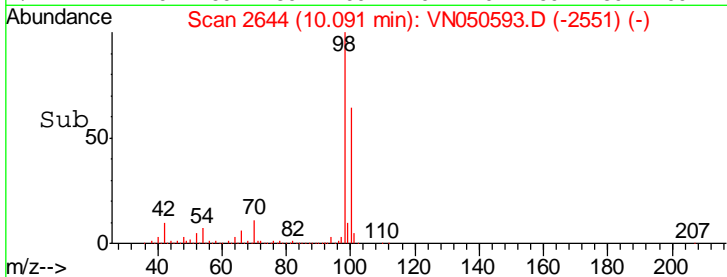
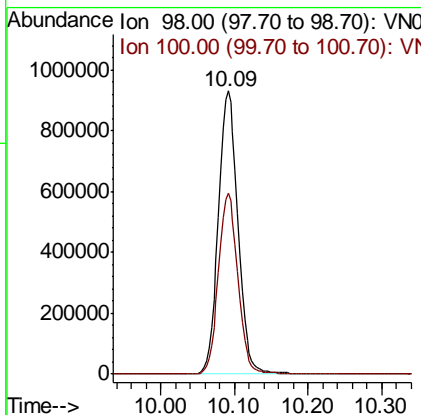
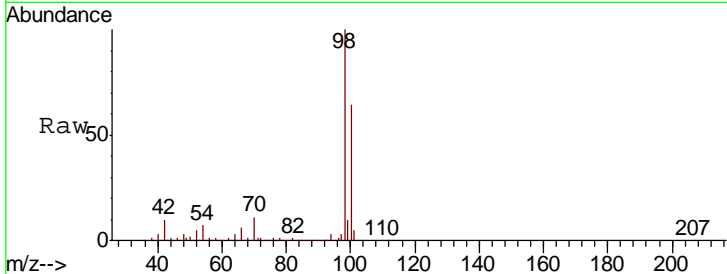




#50
 Toluene-d8
 Concen: 50.62 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

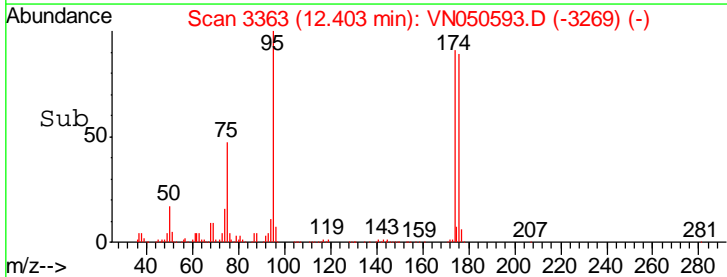
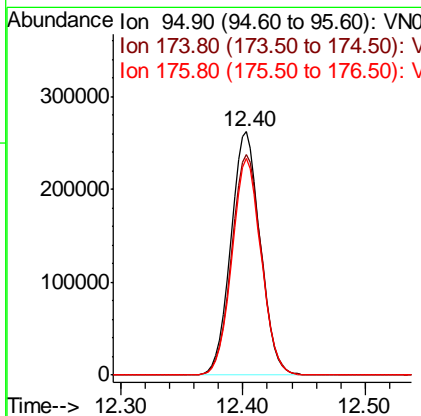
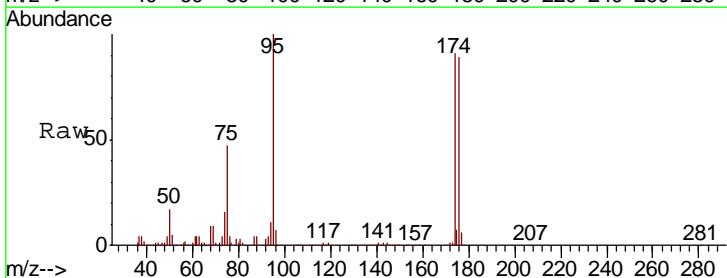
Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBL01

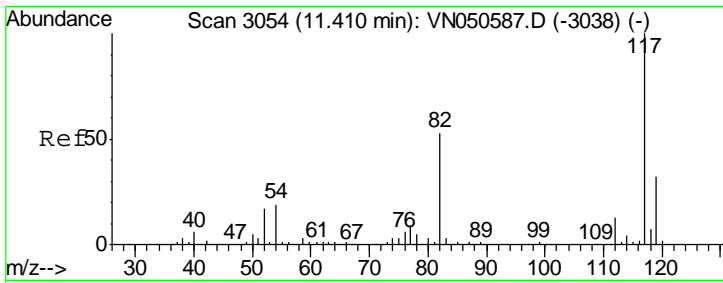
Tgt Ion	Resp	Lower	Upper
98	1720404		
98	100		
100	63.5	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 39.09 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

Tgt Ion	Resp	Lower	Upper
95	438830		
95	100		
174	91.9	0.0	177.8
176	88.2	0.0	175.0

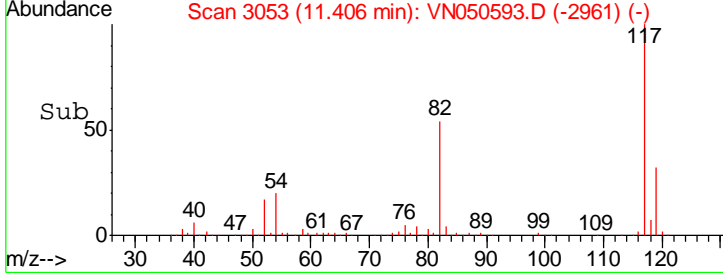
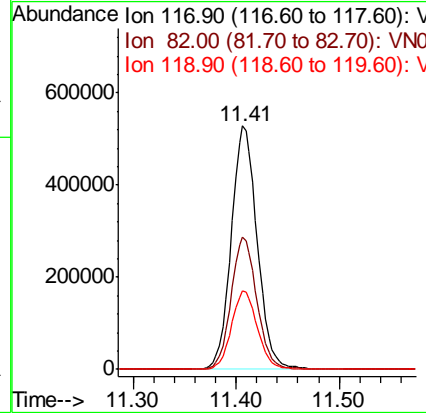
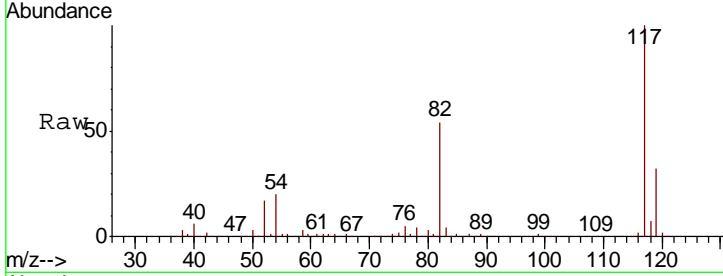




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

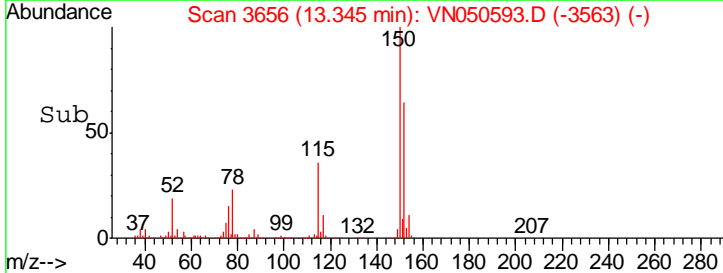
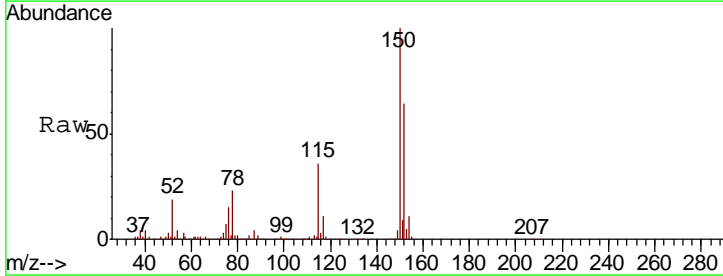
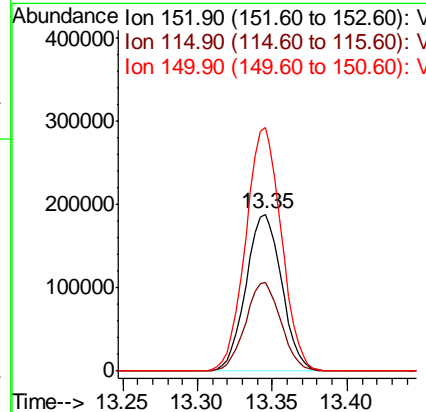
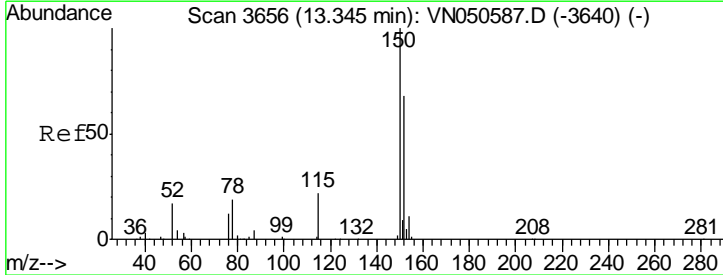
Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBL01

Tgt Ion	Resp	Lower	Upper
117	100		
82	54.2	42.4	63.6
119	32.1	25.8	38.8



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.0	28.1	84.2
150	155.3	0.0	347.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050593.D
 Acq On : 14 Aug 2018 11:22
 Operator : MD\SY
 Sample : VN0814WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.657	3	21	46	rBV	873761	1425438	32.41%	7.127%
2	7.590	1844	1866	1878	rBV	627806	1584125	36.01%	7.921%
3	7.667	1878	1890	1925	rVB	835634	1995991	45.38%	9.980%
4	8.027	1984	2002	2027	rBV	602357	1411662	32.09%	7.059%
5	8.586	2160	2176	2207	rBV	1195725	2541212	57.77%	12.706%
6	10.091	2625	2644	2690	rBV	2361216	4398545	100.00%	21.993%
7	11.406	3039	3053	3078	rBV	1517199	2650301	60.25%	13.252%
8	12.403	3347	3363	3381	rBV	1297559	2188667	49.76%	10.944%
9	13.345	3643	3656	3672	rBV	1079716	1803410	41.00%	9.017%

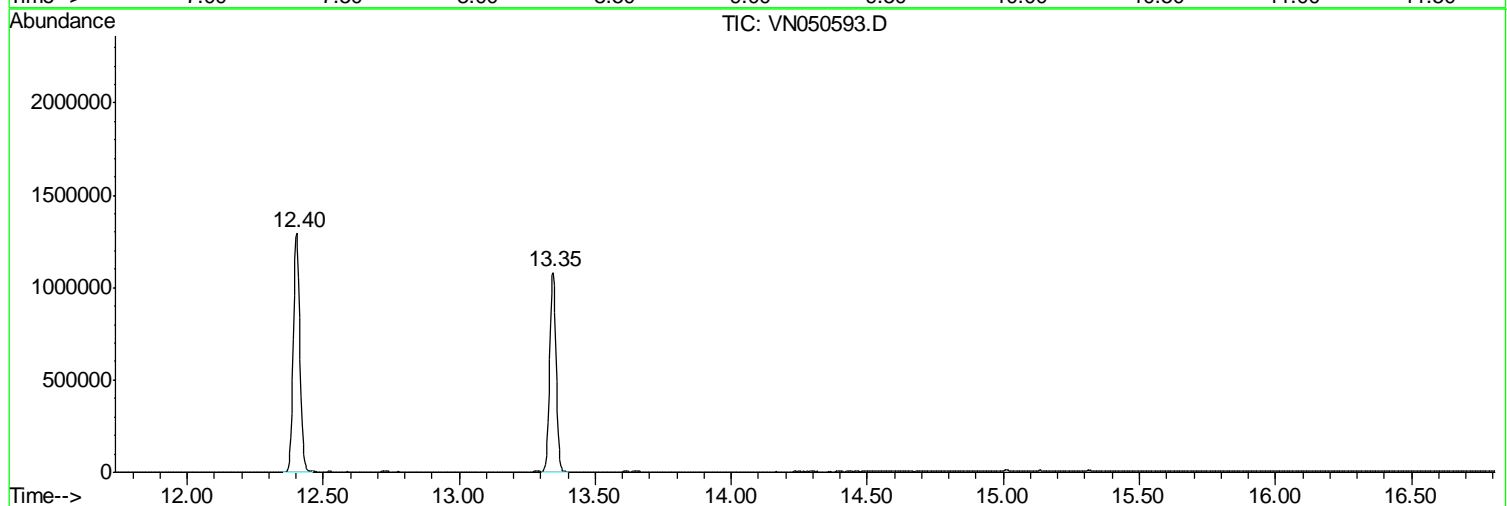
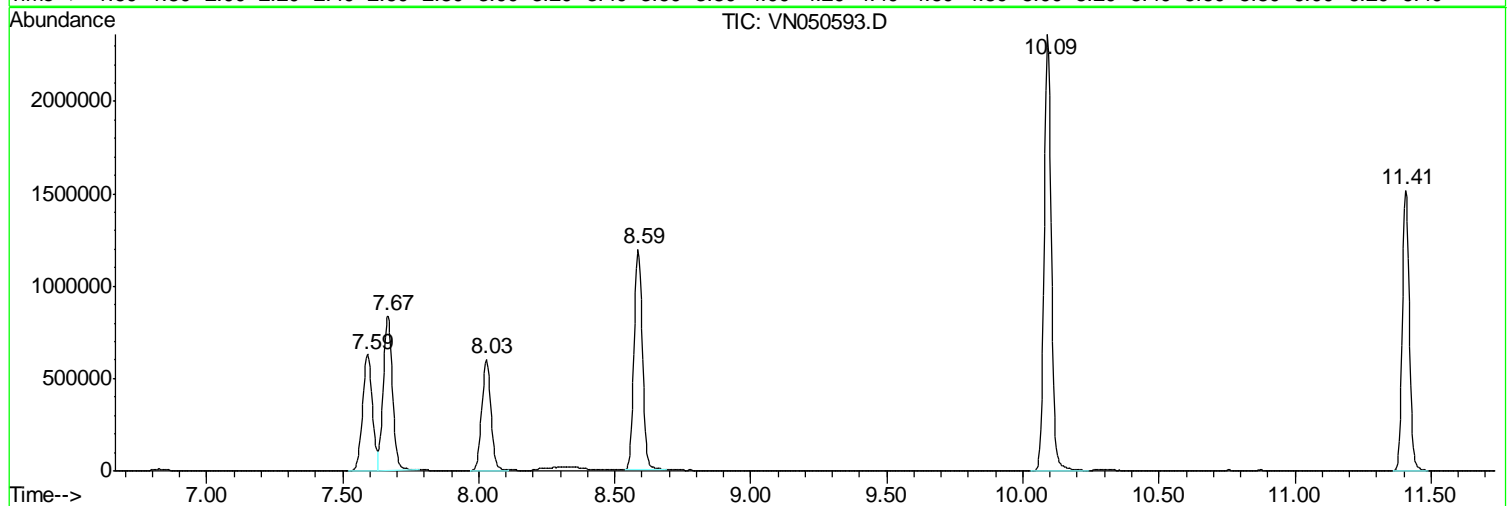
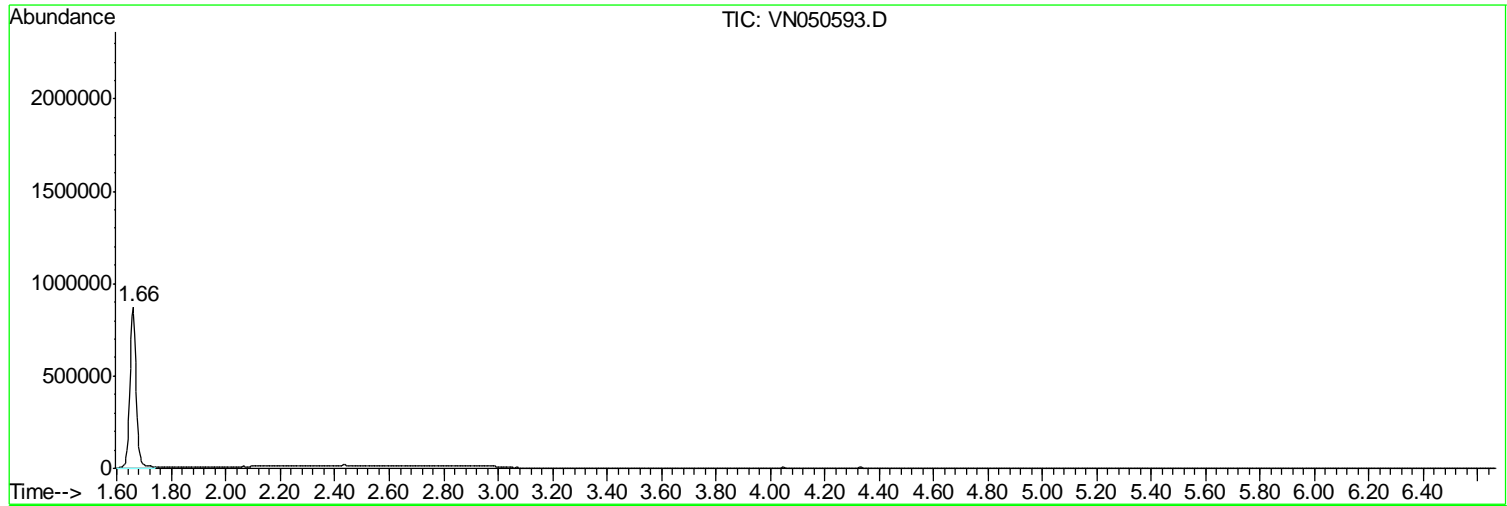
Sum of corrected areas: 19999351

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050593.D
Acq On : 14 Aug 2018 11:22
Operator : MD\SY
Sample : VN0814WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050593.D
Acq On : 14 Aug 2018 11:22
Operator : MD\SY
Sample : VN0814WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050593.D
 Acq On : 14 Aug 2018 11:22
 Operator : MD\SY
 Sample : VN0814WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBL02	SDG No.:	J4465
Lab Sample ID:	VN0814WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050618.D	1		08/14/18 22:35	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBL02	SDG No.:	J4465
Lab Sample ID:	VN0814WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050618.D	1		08/14/18 22:35	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.5		61 - 141		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		69 - 133		102%	SPK: 50
2037-26-5	Toluene-d8	47.1		65 - 126		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.2		58 - 135		72%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	611537	7.67				
540-36-3	1,4-Difluorobenzene	959017	8.59				
3114-55-4	Chlorobenzene-d5	811798	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	270849	13.35				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBL02	SDG No.:	J4465
Lab Sample ID:	VN0814WBL02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050618.D	1		08/14/18 22:35	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050618.D
 Acq On : 14 Aug 2018 22:35
 Operator : MD\SY
 Sample : VN0814WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL02

Quant Time: Aug 15 13:42:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	611537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	959017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	811798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	412185	53.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.94%	
35) Dibromofluoromethane	7.59	113	388537	50.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.50%	
50) Toluene-d8	10.09	98	1355845	47.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.10%	
62) 4-Bromofluorobenzene	12.40	95	344937	36.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	72.46%	

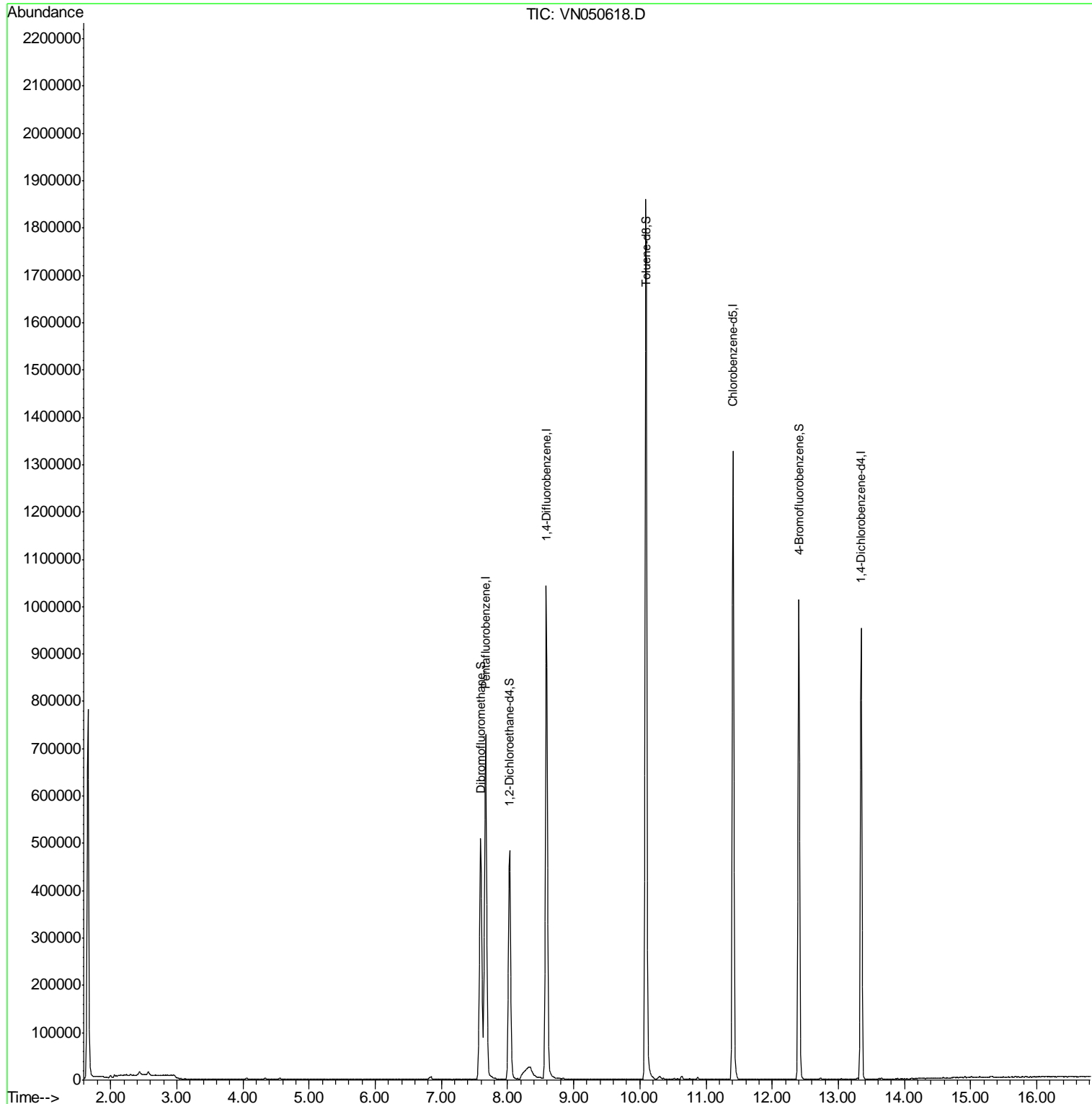
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

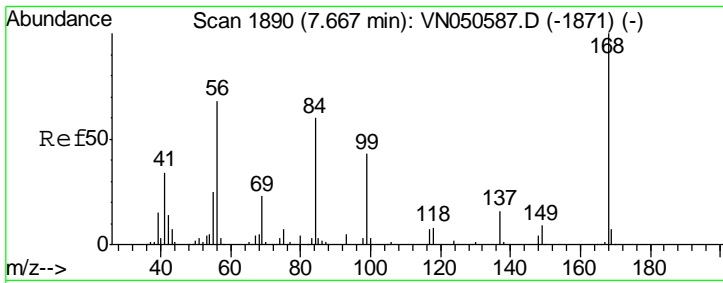
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050618.D
 Acq On : 14 Aug 2018 22:35
 Operator : MD\SY
 Sample : VN0814WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL02

Quant Time: Aug 15 13:42:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



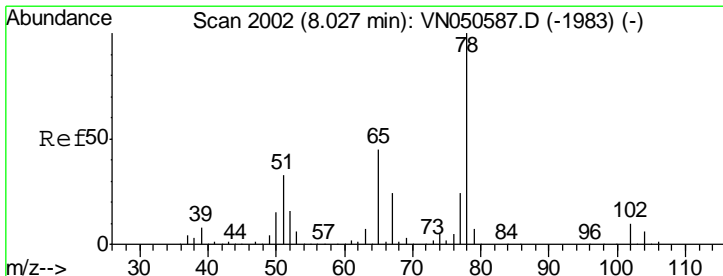
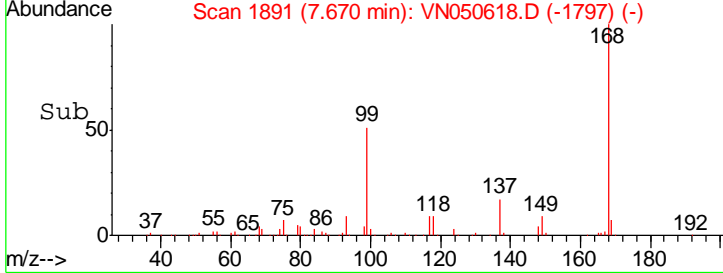
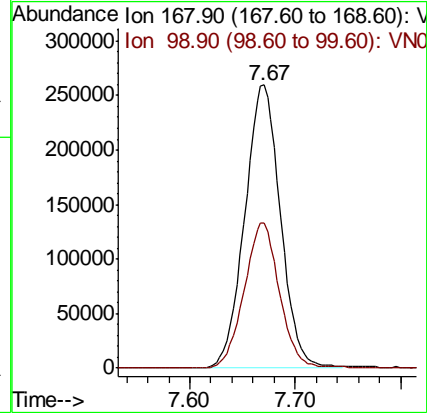
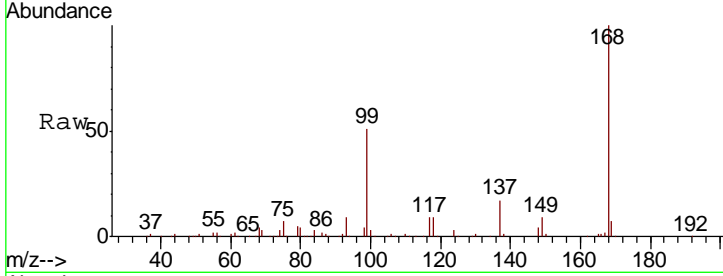
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050618.D
 Acq: 14 Aug 2018 22:35

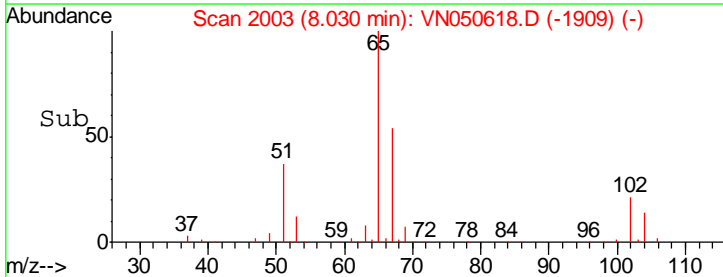
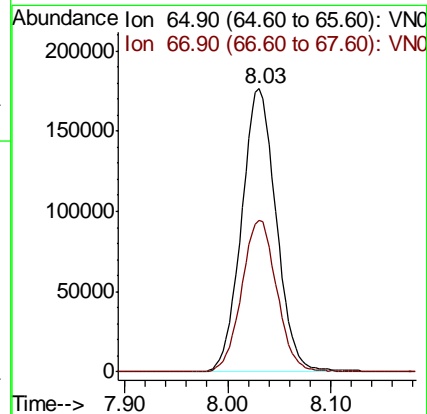
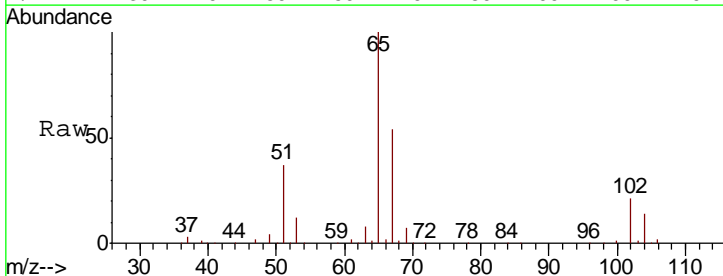
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL02

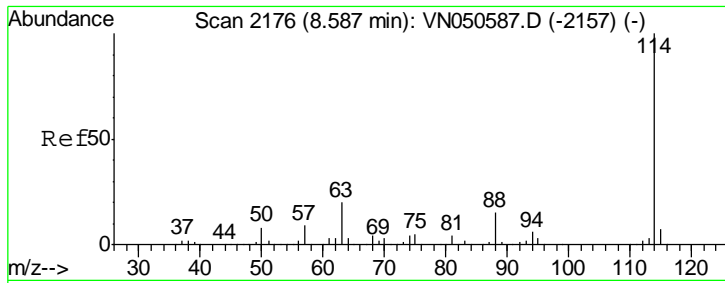
Tgt Ion	Resp	Lower	Upper
168	100		
99	51.1	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 53.47 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050618.D
 Acq: 14 Aug 2018 22:35

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.3	0.0	109.8

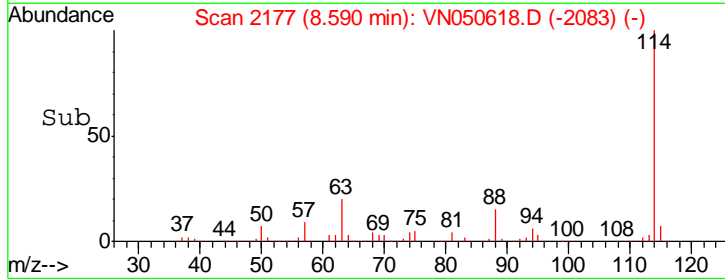
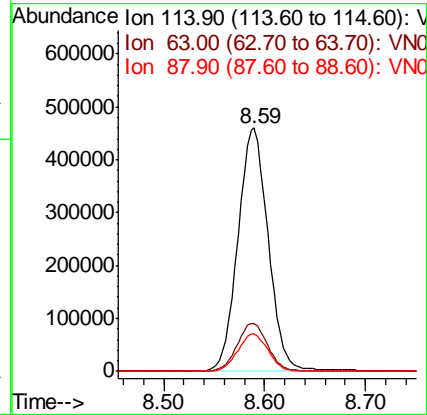
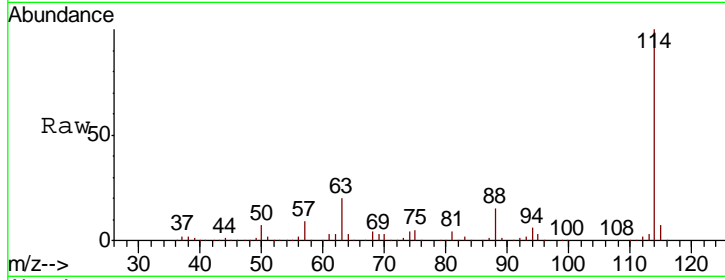




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050618.D
 Acq: 14 Aug 2018 22:35

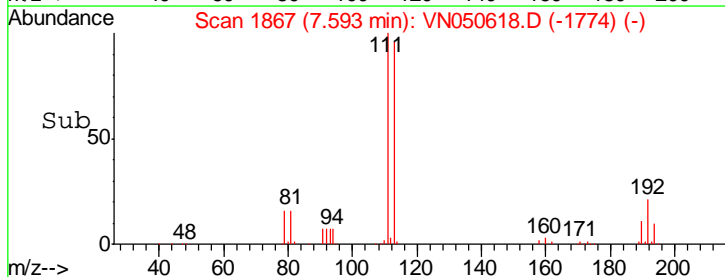
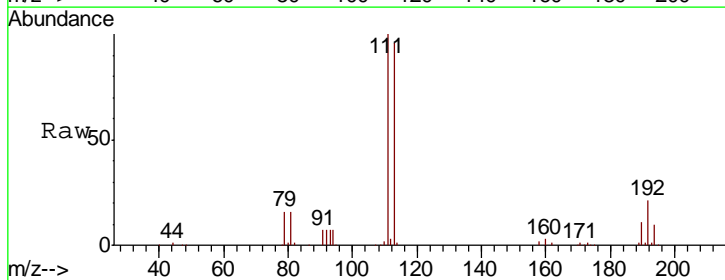
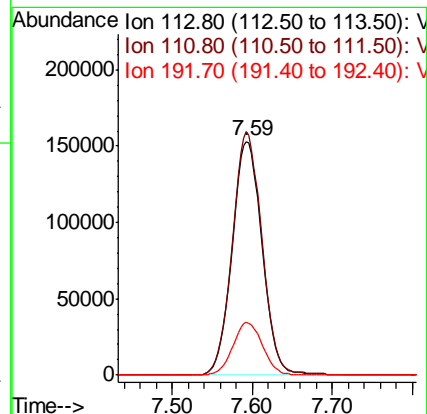
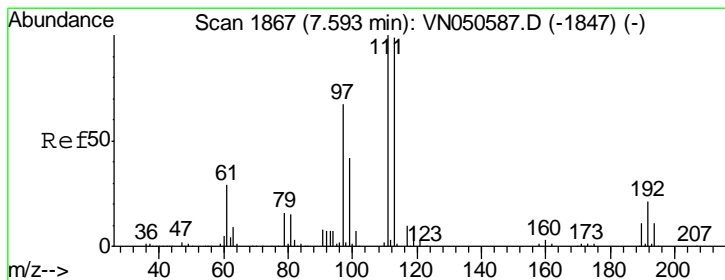
Instrument : MSVOA_N
 ClientSampleId : VN0814WBL02

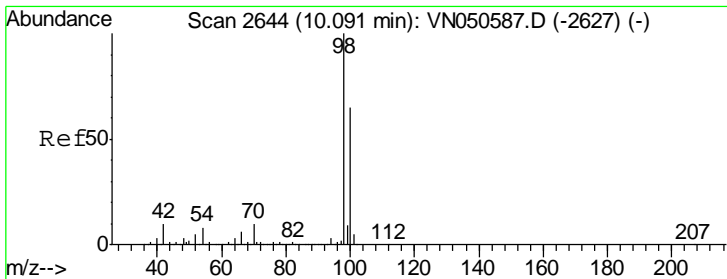
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	15.4	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 50.75 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050618.D
 Acq: 14 Aug 2018 22:35

Tgt Ion	Resp	Lower	Upper
113	100		
111	103.0	81.0	121.6
192	22.4	17.6	26.4

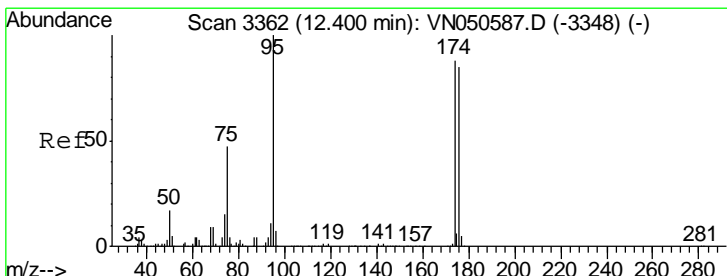
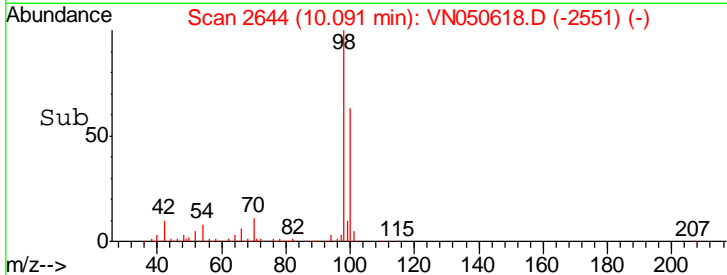
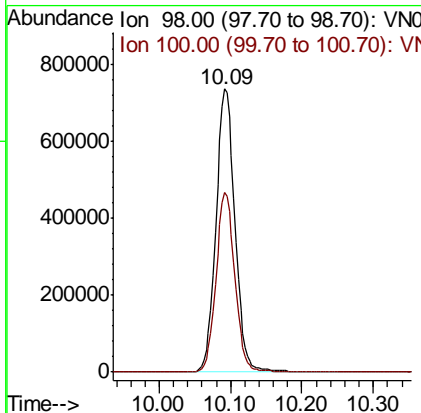
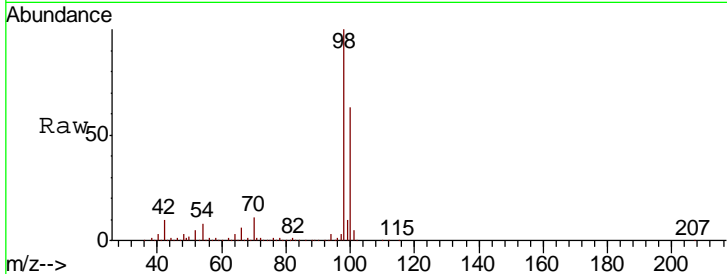




#50
 Toluene-d8
 Concen: 47.05 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050618.D
 Acq: 14 Aug 2018 22:35

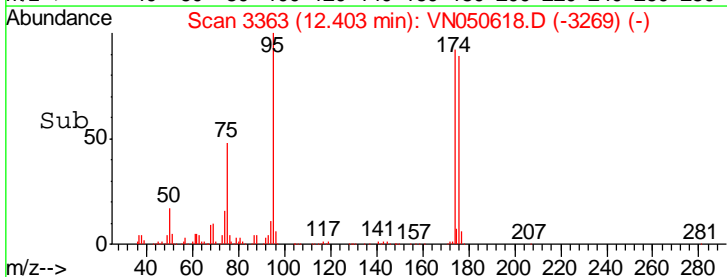
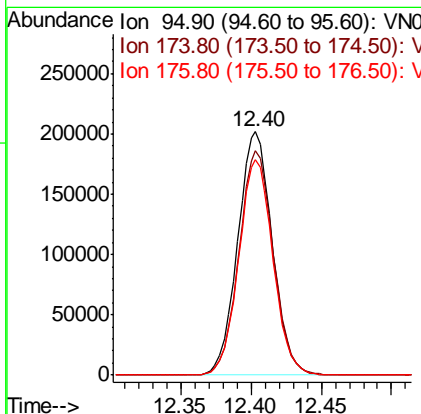
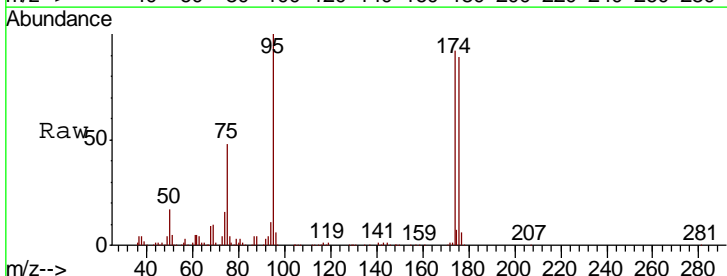
Instrument : MSVOA_N
 ClientSampled : VN0814WBL02

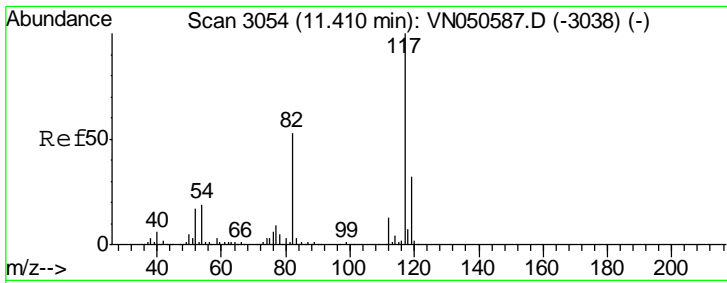
Tgt Ion	Resp	Lower	Upper
98	1355845		
98	100		
100	63.0	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 36.23 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050618.D
 Acq: 14 Aug 2018 22:35

Tgt Ion	Resp	Lower	Upper
95	344937		
95	100		
174	92.1	0.0	177.8
176	88.1	0.0	175.0

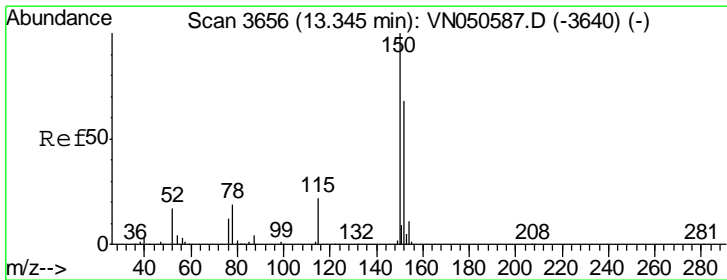
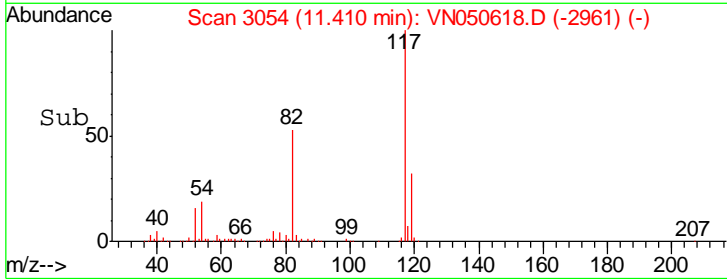
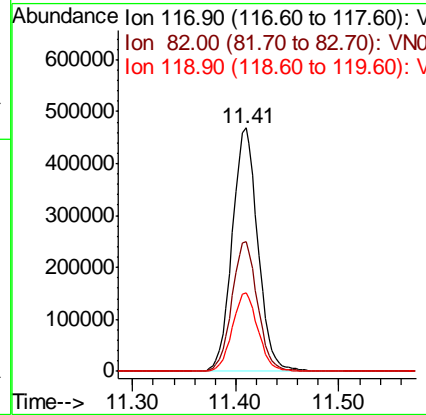
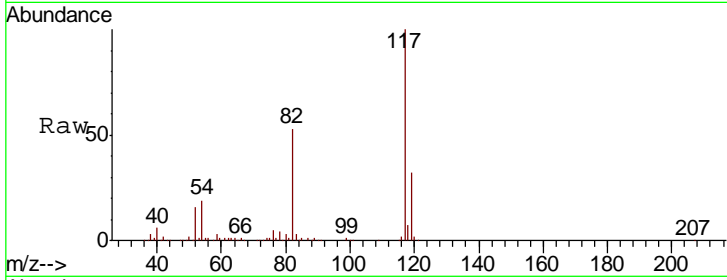




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050618.D
 Acq: 14 Aug 2018 22:35

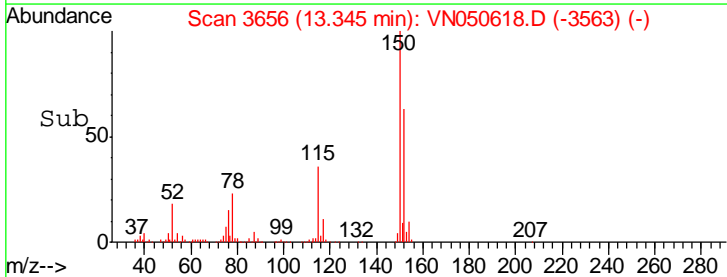
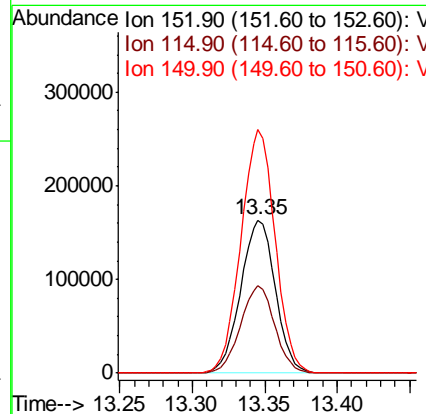
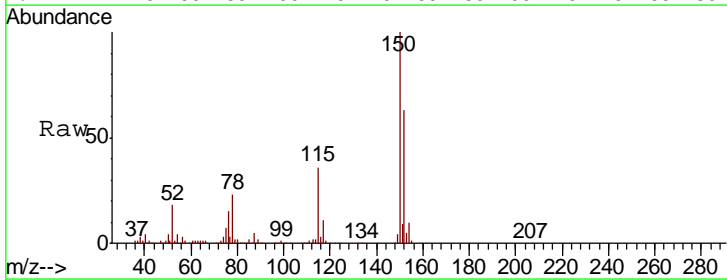
Instrument : MSVOA_N
 ClientSampled : VN0814WBL02

Tgt Ion	Resp	Lower	Upper
117	811798		
82	53.1	42.4	63.6
119	32.1	25.8	38.8



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050618.D
 Acq: 14 Aug 2018 22:35

Tgt Ion	Resp	Lower	Upper
152	270849		
115	56.3	28.1	84.2
150	157.3	0.0	347.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050618.D
 Acq On : 14 Aug 2018 22:35
 Operator : MD\SY
 Sample : VN0814WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL02

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	46	rBV	780235	1302875	37.74%	7.801%
2	7.593	1846	1867	1879	rBV	510036	1274964	36.93%	7.634%
3	7.667	1879	1890	1918	rVB	725855	1680373	48.67%	10.062%
4	8.030	1982	2003	2028	rBV	483470	1137994	32.96%	6.814%
5	8.252	2050	2072	2073	rBV2	16557	44598	1.29%	0.267%
6	8.587	2159	2176	2224	rVB	1040905	2191273	63.47%	13.121%
7	10.091	2629	2644	2688	rBV	1859055	3452500	100.00%	20.672%
8	11.410	3039	3054	3078	rBV	1327289	2319723	67.19%	13.890%
9	12.403	3349	3363	3381	rBV	1012802	1723131	49.91%	10.318%
10	13.345	3643	3656	3678	rBV	953499	1573555	45.58%	9.422%

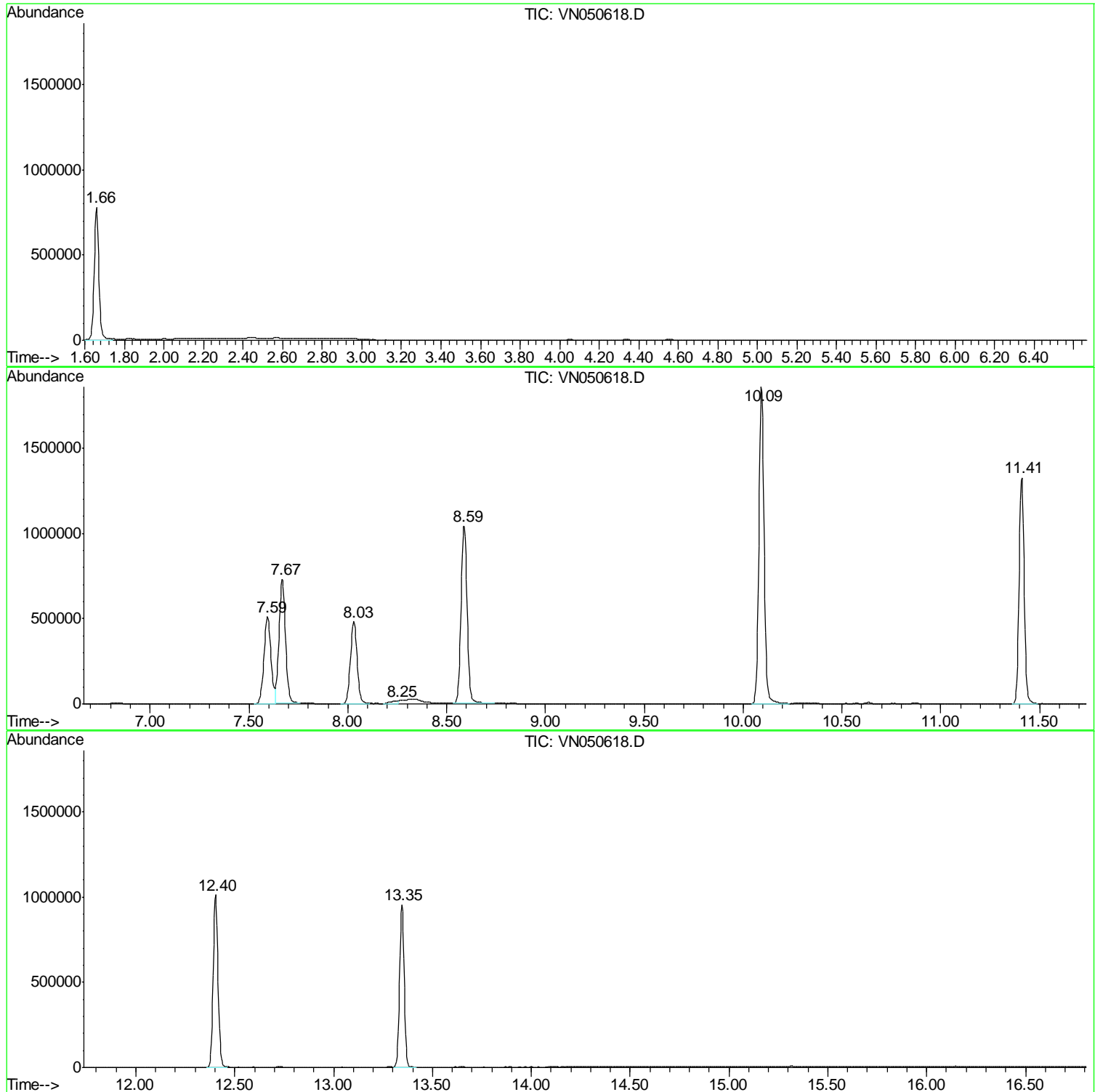
Sum of corrected areas: 16700986

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050618.D
Acq On : 14 Aug 2018 22:35
Operator : MD\SY
Sample : VN0814WBL02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050618.D
Acq On : 14 Aug 2018 22:35
Operator : MD\SY
Sample : VN0814WBL02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050618.D
 Acq On : 14 Aug 2018 22:35
 Operator : MD\SY
 Sample : VN0814WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL02

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0815WBL01	SDG No.:	J4465
Lab Sample ID:	VN0815WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050640.D	1		08/15/18 09:03	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0815WBL01	SDG No.:	J4465
Lab Sample ID:	VN0815WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050640.D	1		08/15/18 09:03	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.4		61 - 141		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		69 - 133		99%	SPK: 50
2037-26-5	Toluene-d8	47		65 - 126		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.8		58 - 135		74%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	724856	7.67				
540-36-3	1,4-Difluorobenzene	1117640	8.59				
3114-55-4	Chlorobenzene-d5	938860	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	330224	13.35				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0815WBL01	SDG No.:	J4465
Lab Sample ID:	VN0815WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050640.D	1		08/15/18 09:03	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050640.D
 Acq On : 15 Aug 2018 9:03
 Operator : MD\SY
 Sample : VN0815WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBL01

Quant Time: Aug 16 01:55:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	724856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1117641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	938860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	330224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	460092	50.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.72%	
35) Dibromofluoromethane	7.59	113	443117	49.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.32%	
50) Toluene-d8	10.09	98	1578482	47.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.00%	
62) 4-Bromofluorobenzene	12.40	95	408706	36.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	73.68%	

Target Compounds

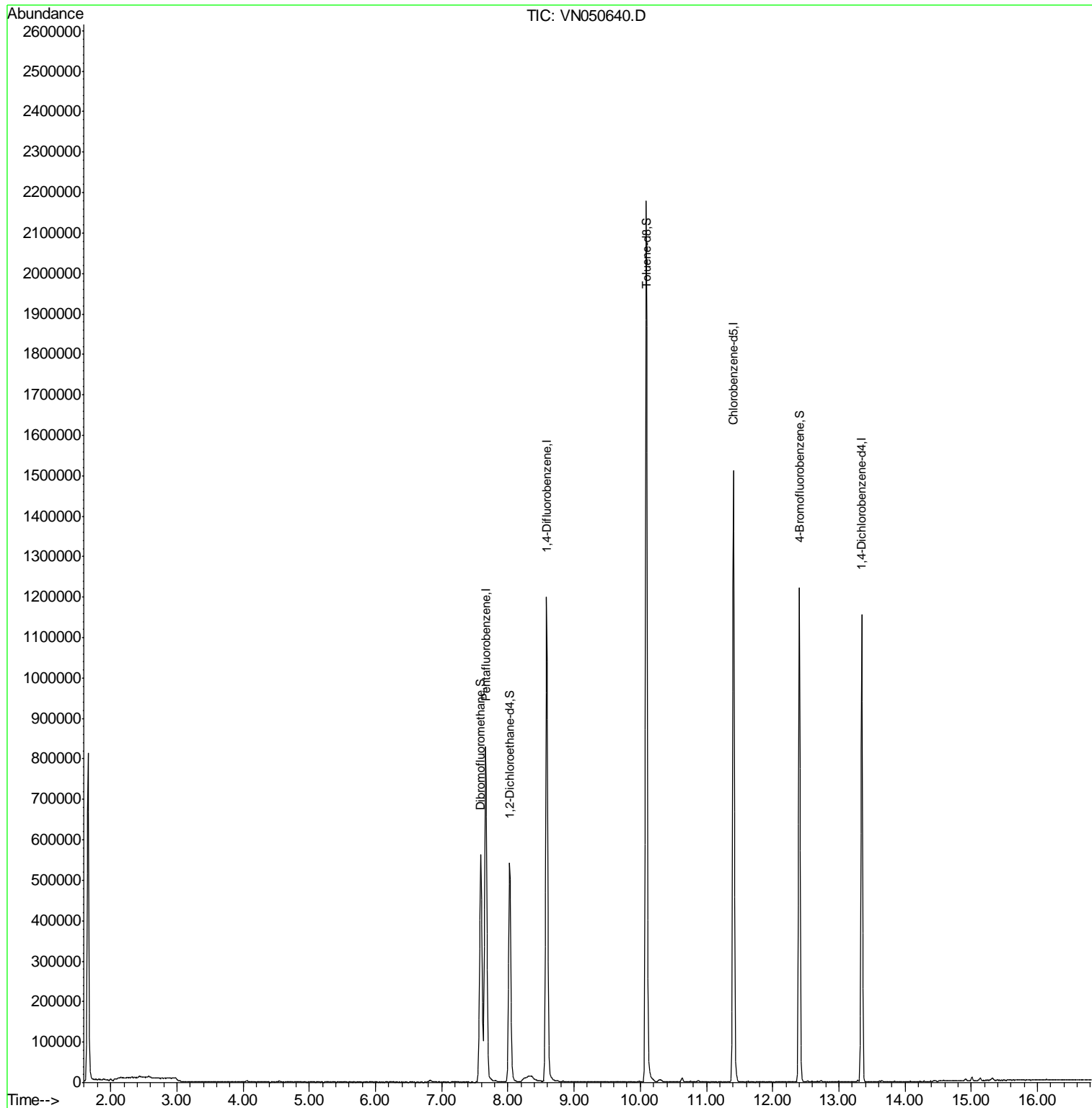
Qvalue

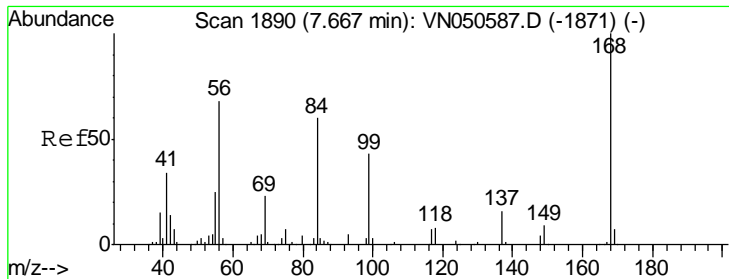
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050640.D
Acq On : 15 Aug 2018 9:03
Operator : MD\SY
Sample : VN0815WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBL01

Quant Time: Aug 16 01:55:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

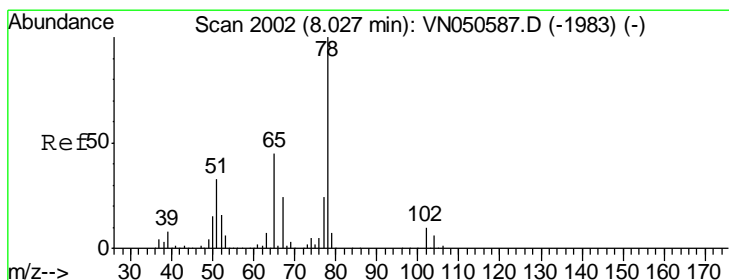
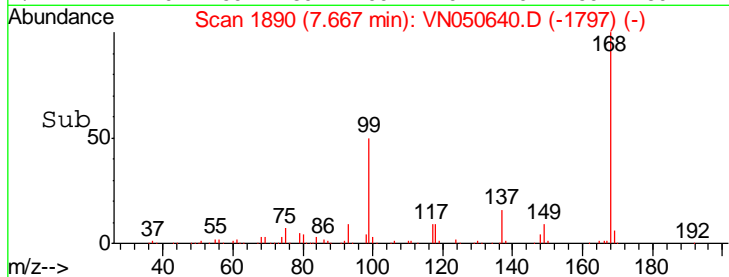
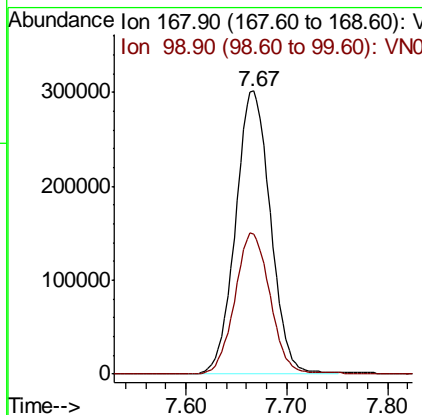
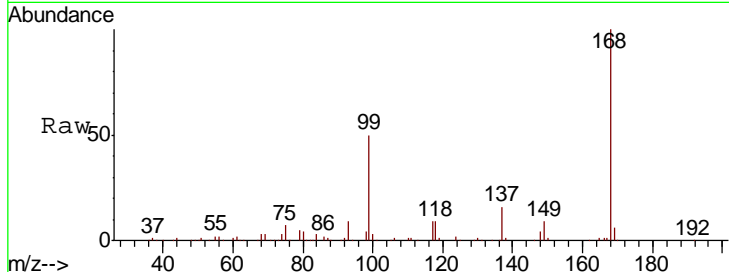




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

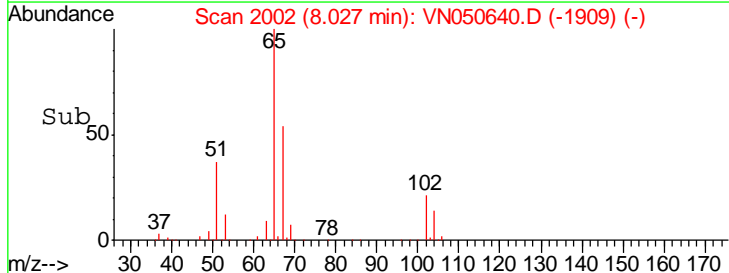
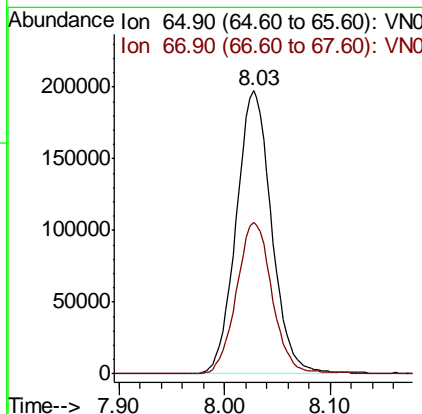
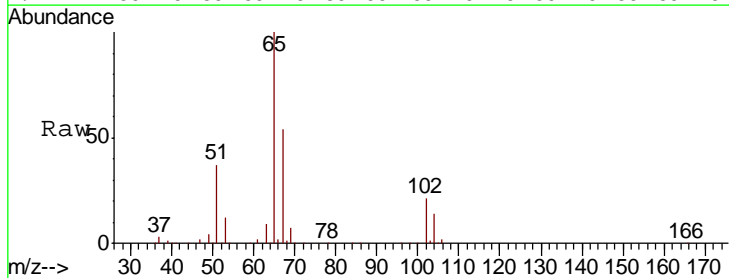
Instrument : MSVOA_N
 ClientSampled : VN0815WBL01

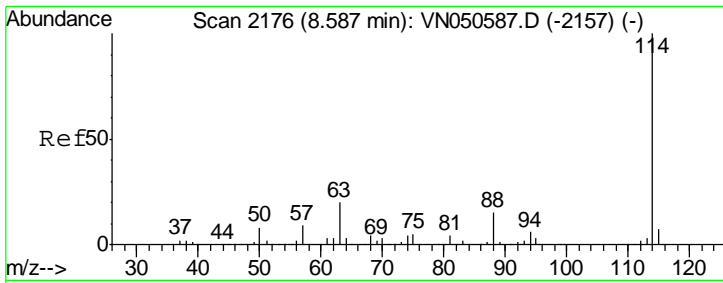
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.6	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 50.36 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.8	0.0	109.8



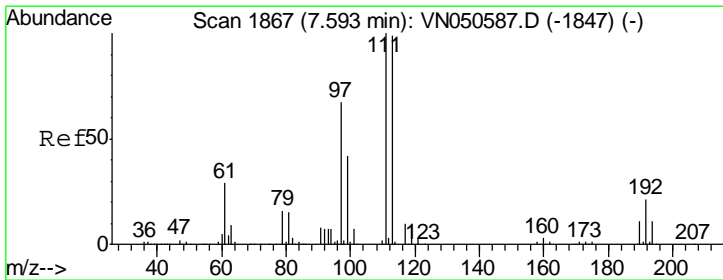
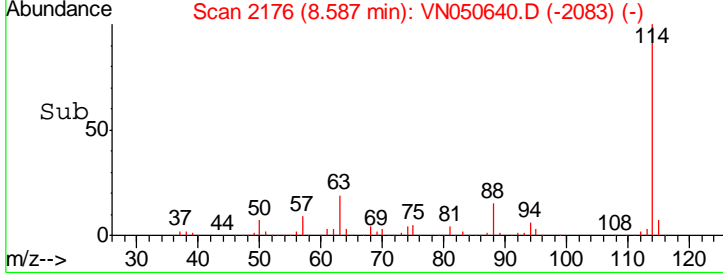
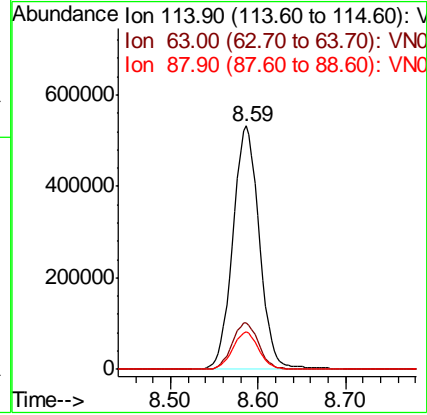
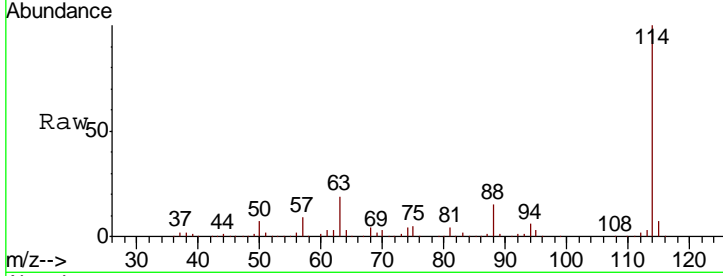


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

Instrument : MSVOA_N
 ClientSampled : VN0815WBL01

Tot Ion:114 Resp: 1117641

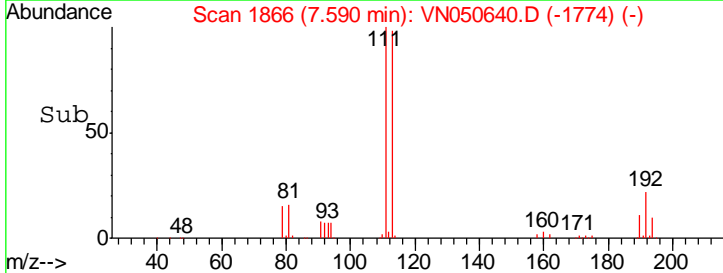
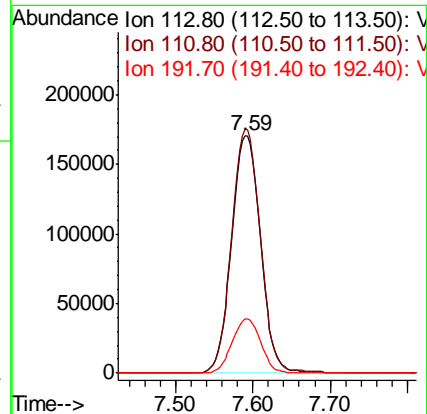
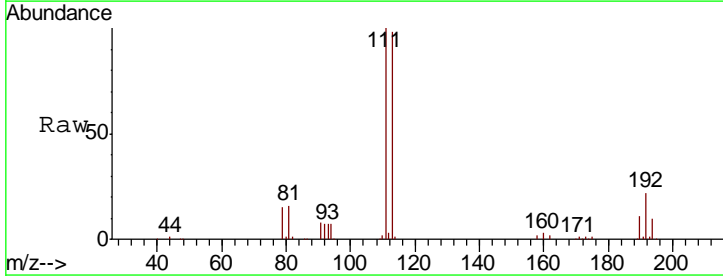
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	40.0
88	15.4	0.0	30.8

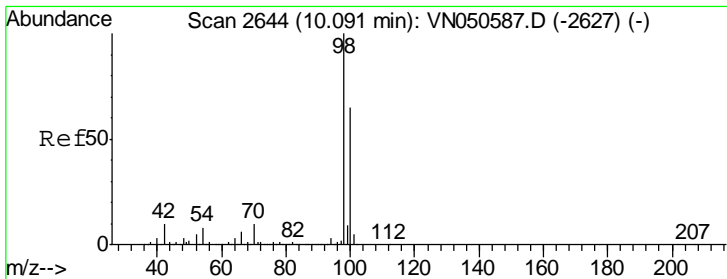


#35
 Dibromofluoromethane
 Concen: 49.66 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

Tgt Ion:113 Resp: 443117

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.0	121.6
192	22.5	17.6	26.4

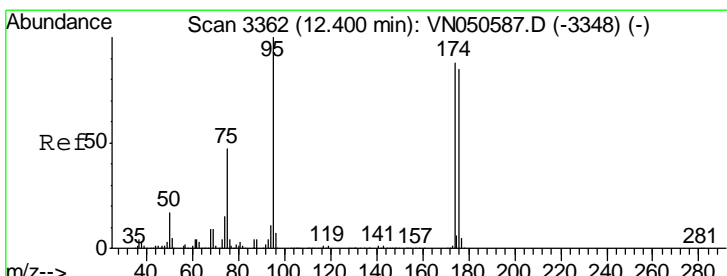
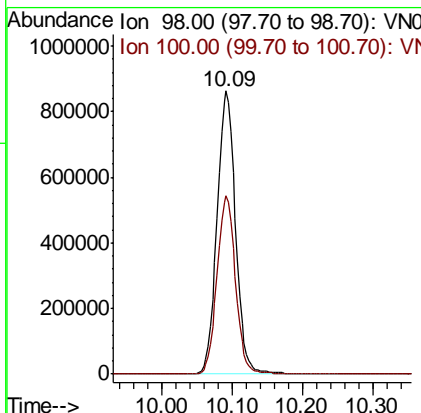
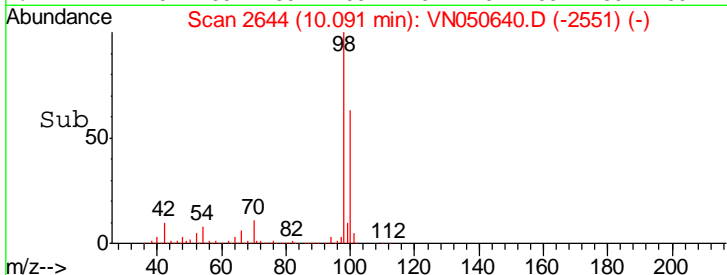
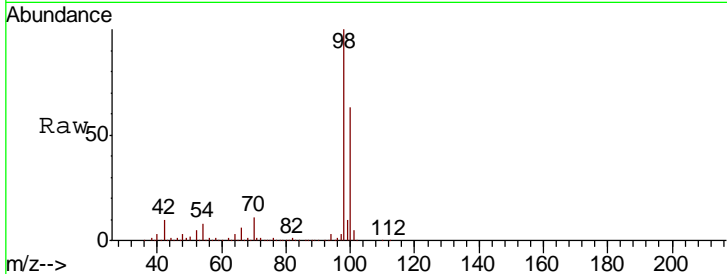




#50
 Toluene-d8
 Concen: 47.00 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

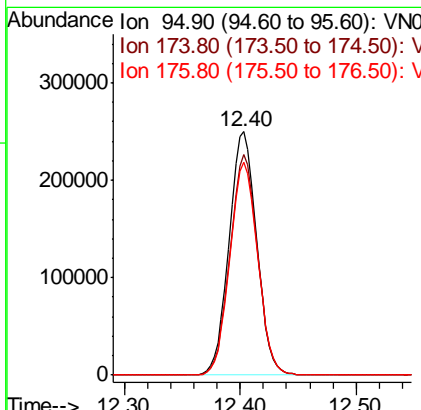
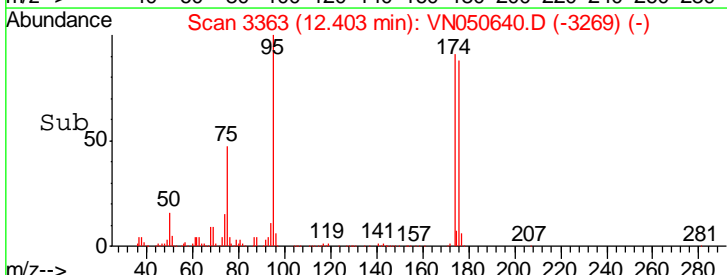
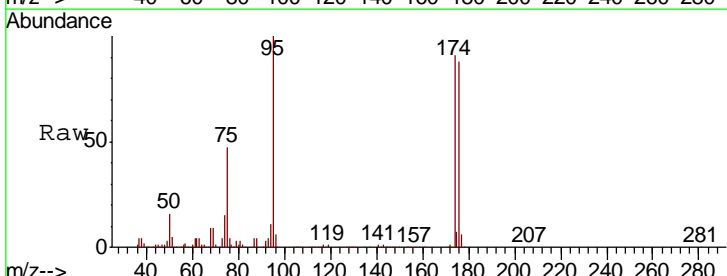
Instrument : MSVOA_N
 ClientSampled : VN0815WBL01

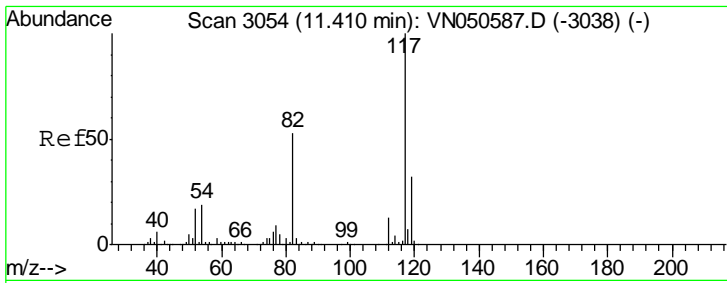
Tgt Ion	Resp	Lower	Upper
98	1578482		
98	100		
100	63.1	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 36.84 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

Tgt Ion	Resp	Lower	Upper
95	408706		
95	100		
174	90.9	0.0	177.8
176	88.3	0.0	175.0

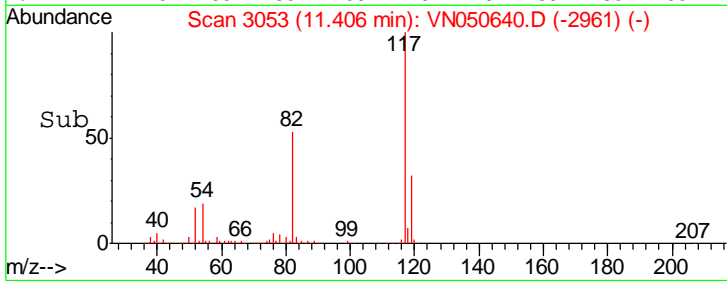
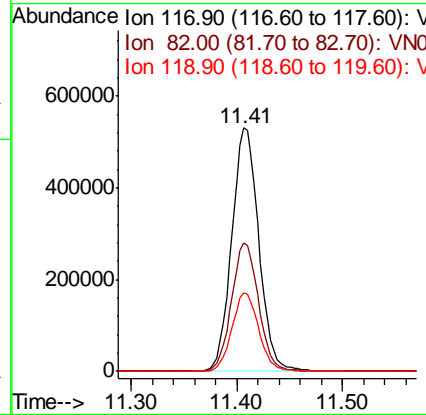
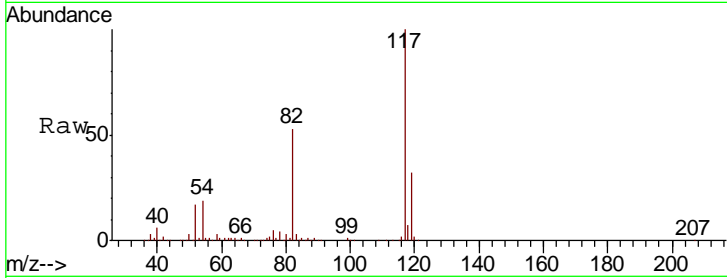




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

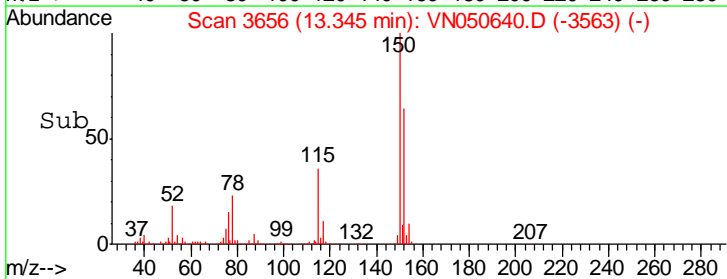
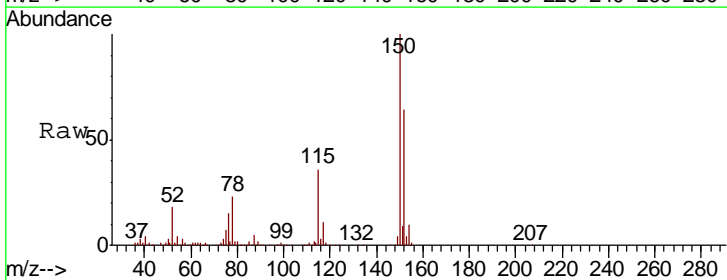
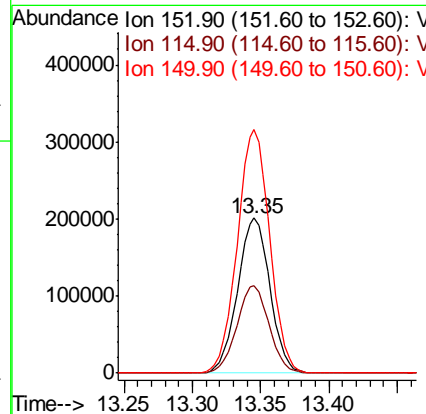
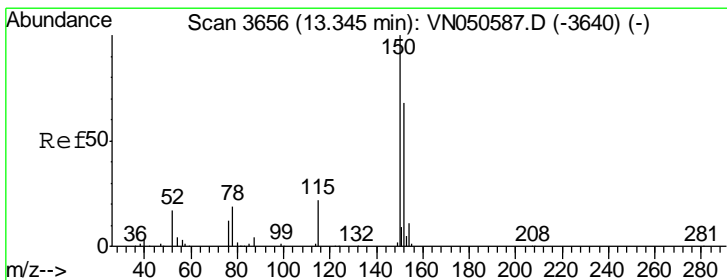
Instrument : MSVOA_N
 ClientSampled : VN0815WBL01

Tgt Ion	Resp	Lower	Upper
117	938860		
82	52.6	42.4	63.6
119	32.2	25.8	38.8



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

Tgt Ion	Resp	Lower	Upper
152	330224		
115	56.0	28.1	84.2
150	157.7	0.0	347.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050640.D
 Acq On : 15 Aug 2018 9:03
 Operator : MD\SY
 Sample : VN0815WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBL01

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	41	rBV	812370	1331135	33.15%	6.949%
2	7.590	1846	1866	1878	rBV	561449	1434574	35.72%	7.488%
3	7.664	1878	1889	1916	rVB	824791	1975696	49.20%	10.313%
4	8.027	1984	2002	2028	rBV	541626	1268523	31.59%	6.622%
5	8.587	2158	2176	2215	rBV	1197421	2520390	62.76%	13.156%
6	10.091	2627	2644	2677	rBV	2178252	4016031	100.00%	20.964%
7	11.406	3037	3053	3079	rBV	1513063	2682228	66.79%	14.001%
8	12.403	3349	3363	3386	rBV	1221873	2019419	50.28%	10.541%
9	13.345	3643	3656	3672	rVB	1153722	1909151	47.54%	9.966%

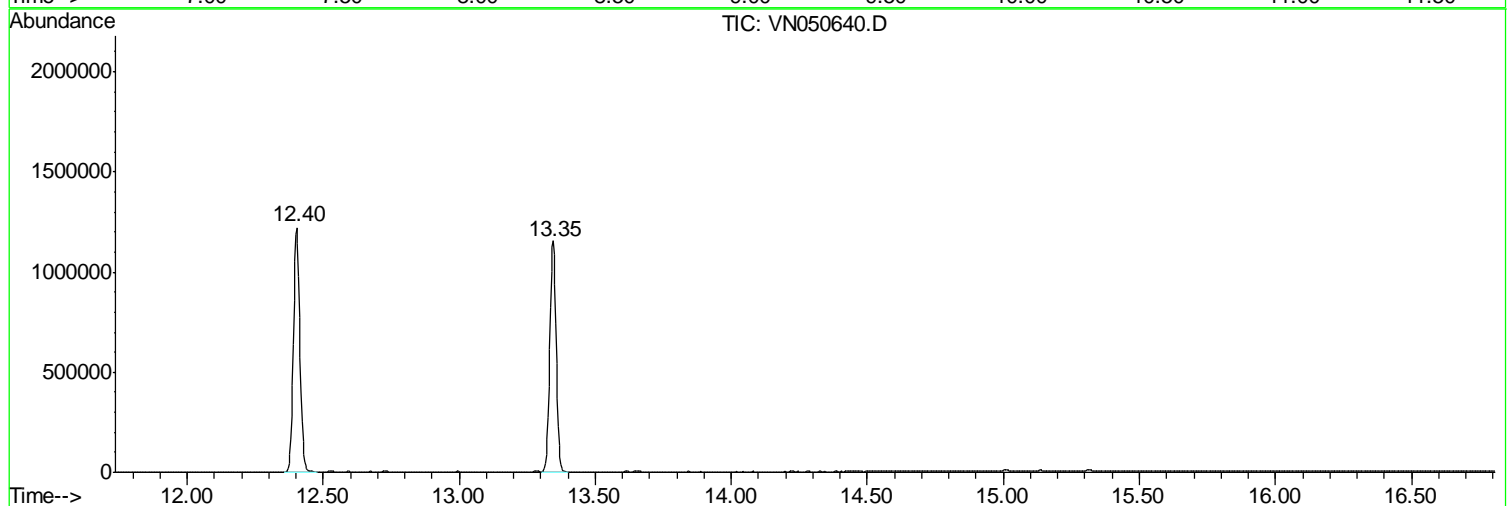
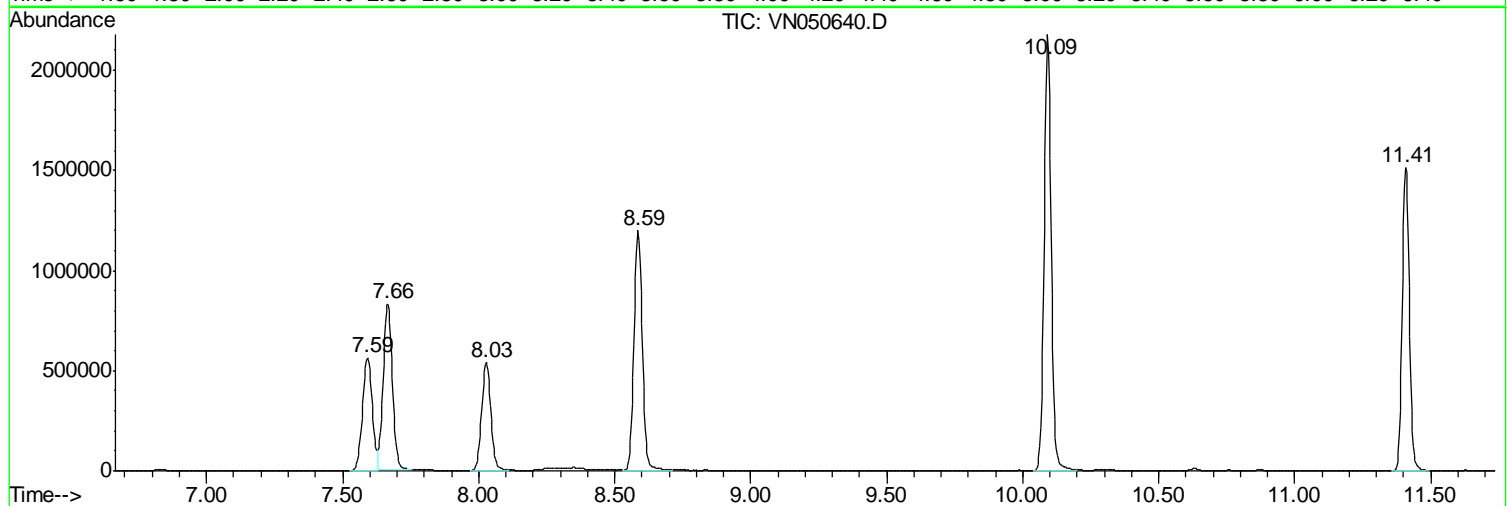
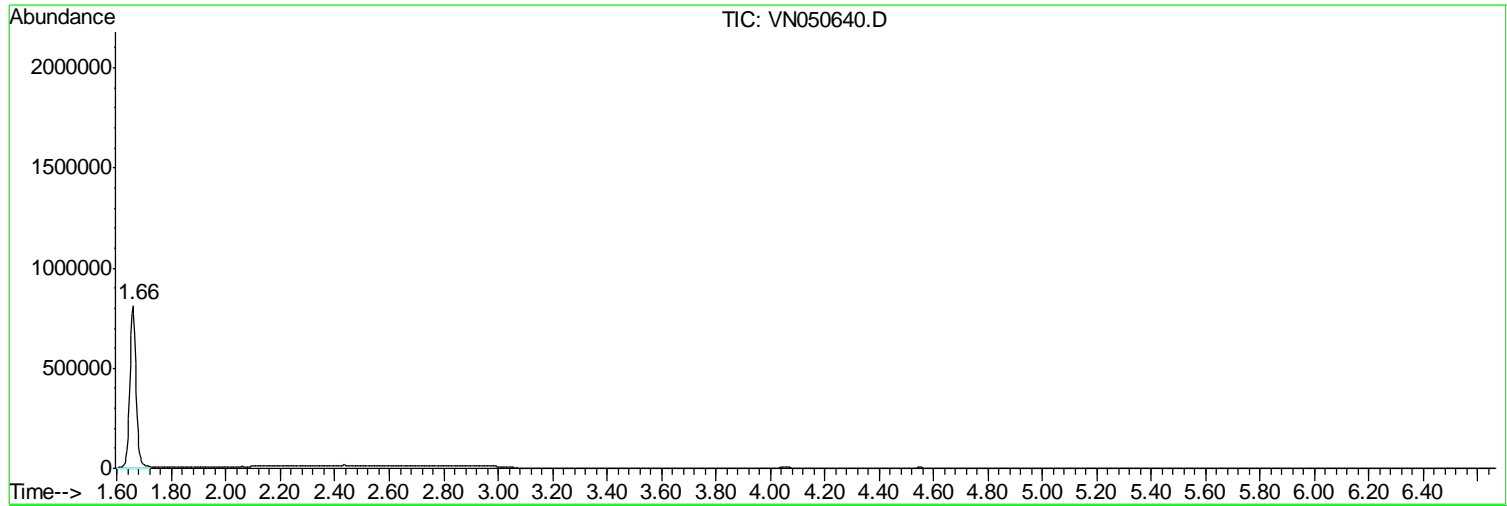
Sum of corrected areas: 19157147

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050640.D
Acq On : 15 Aug 2018 9:03
Operator : MD\SY
Sample : VN0815WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
VN0815WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
Data File : VN050640.D
Acq On : 15 Aug 2018 9:03
Operator : MD\SY
Sample : VN0815WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
 Data File : VN050640.D
 Acq On : 15 Aug 2018 9:03
 Operator : MD\SY
 Sample : VN0815WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBS01	SDG No.:	J4465
Lab Sample ID:	VN0814WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050595.D	1		08/14/18 12:18	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.2		0.2	0.2	1	ug/L
74-87-3	Chloromethane	19.5		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	18.8		0.2	0.2	1	ug/L
74-83-9	Bromomethane	16.7		0.2	0.2	1	ug/L
75-00-3	Chloroethane	19.6		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.2	0.2	1	ug/L
67-64-1	Acetone	110		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	19.1		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	20.3		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	19.9		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	19.7		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	19.8		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	19.6		0.2	0.2	1	ug/L
78-93-3	2-Butanone	110		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	19.8		0.2	0.5	1	ug/L
67-66-3	Chloroform	18.8		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	20.4		0.2	0.2	1	ug/L
71-43-2	Benzene	20.1		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	20		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	19.5		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	19.4		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	100		1	1	5	ug/L
108-88-3	Toluene	20.2		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	20		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	21		0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBS01	SDG No.:	J4465
Lab Sample ID:	VN0814WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050595.D	1		08/14/18 12:18	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	19.9		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	110		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	19.6		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	19.5		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	19.8		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	20.2		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	41.1		0.4	0.4	2	ug/L
95-47-6	o-Xylene	20.2		0.2	0.2	1	ug/L
100-42-5	Styrene	19.1		0.2	0.2	1	ug/L
75-25-2	Bromoform	19.7		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	20.5		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.8		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.5		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	19		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.6		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	50		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	49.2		65 - 126		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		58 - 135		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	715777	7.667				
540-36-3	1,4-Difluorobenzene	1041630	8.586				
3114-55-4	Chlorobenzene-d5	924848	11.409				
3855-82-1	1,4-Dichlorobenzene-d4	456013	13.342				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBS01	SDG No.:	J4465
Lab Sample ID:	VN0814WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050595.D	1		08/14/18 12:18	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050595.D
 Acq On : 14 Aug 2018 12:18
 Operator : MD\SY
 Sample : VN0814WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:25 PM

Quant Time: Aug 15 08:34:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	715777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1041625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	924848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	456013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	447232	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	7.59	113	415962	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.09	98	1540710	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	479897	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	155155	19.23	ug/l	98
3) Chloromethane	2.06	50	194795	19.51	ug/l	100
4) Vinyl Chloride	2.18	62	201512	18.80	ug/l	97
5) Bromomethane	2.56	94	104396	16.73	ug/l	96
6) Chloroethane	2.70	64	122475	19.60	ug/l	98
7) Trichlorofluoromethane	3.01	101	270273	19.22	ug/l	99
8) Diethyl Ether	3.41	74	91444	19.54	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	166805	19.61	ug/l	100
10) Methyl Iodide	3.95	142	109131	22.49	ug/l	99
11) Tert butyl alcohol	4.80	59	52206	105.97	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	149743	19.28	ug/l	99
13) Acrolein	3.61	56	17241	85.24	ug/l	96
14) Allyl chloride	4.33	41	234685	19.43	ug/l	99
15) Acrylonitrile	4.99	53	265786	98.23	ug/l	100
16) Acetone	3.82	43	251613	110.88	ug/l	99
17) Carbon Disulfide	4.05	76	467284	19.12	ug/l	100
18) Methyl Acetate	4.33	43	129800	19.88	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	400844	20.28	ug/l	100
20) Methylene Chloride	4.55	84	175333	19.67	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	166670	19.79	ug/l	96
22) Diisopropyl ether	5.96	45	512995	20.71	ug/l	99
23) Vinyl Acetate	5.90	43	1674161	103.33	ug/l	100
24) 1,1-Dichloroethane	5.85	63	306914	19.15	ug/l	100
25) 2-Butanone	6.84	43	391495	105.83	ug/l	98
26) 2,2-Dichloropropane	6.83	77	251295	23.42	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	184141	19.64	ug/l	98
28) Bromochloromethane	7.20	49	144404	19.80	ug/l	99
29) Tetrahydrofuran	7.22	42	201042	104.08	ug/l	99
30) Chloroform	7.37	83	305740	18.82	ug/l	97
31) Cyclohexane	7.66	56	271116	19.61	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	264783	19.37	ug/l	98
36) 1,1-Dichloropropene	7.80	75	232641	20.06	ug/l	100
37) Ethyl Acetate	6.93	43	146734	22.39	ug/l	99
38) Carbon Tetrachloride	7.78	117	235763	19.60	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050595.D
 Acq On : 14 Aug 2018 12:18
 Operator : MD\SY
 Sample : VN0814WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:25 PM

Quant Time: Aug 15 08:34:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	245427	20.44	ug/l	99
40) Benzene	8.04	78	708078	20.07	ug/l	100
41) Methacrylonitrile	7.20	41	100813m	28.45	ug/l	
42) 1,2-Dichloroethane	8.13	62	216369	20.01	ug/l	100
43) Isopropyl Acetate	8.17	43	240266	20.12	ug/l #	87
44) Trichloroethene	8.84	130	184252	19.50	ug/l	99
45) 1,2-Dichloropropane	9.12	63	185795	19.78	ug/l	99
46) Dibromomethane	9.21	93	109679	19.78	ug/l	97
47) Bromodichloromethane	9.40	83	230295	19.43	ug/l	99
48) Methyl methacrylate	9.20	41	119262	19.84	ug/l	100
49) 1,4-Dioxane	9.20	88	31665	399.92	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	847553	104.92	ug/l	100
52) Toluene	10.16	92	426351	20.24	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	221157	20.03	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	265975	21.00	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	156799	19.93	ug/l	100
56) Ethyl methacrylate	10.43	69	181420	19.29	ug/l	98
57) 1,3-Dichloropropane	10.71	76	259458	20.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	437439	97.61	ug/l	100
59) 2-Hexanone	10.75	43	564093	108.19	ug/l	99
60) Dibromochloromethane	10.90	129	170363	19.62	ug/l	100
61) 1,2-Dibromoethane	11.01	107	147750	19.72	ug/l	100
64) Tetrachloroethene	10.63	164	167560	19.51	ug/l	97
65) Chlorobenzene	11.43	112	455240	19.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	170323	19.74	ug/l	99
67) Ethyl Benzene	11.51	91	749753	20.17	ug/l	100
68) m/p-Xylenes	11.62	106	584052	41.09	ug/l	99
69) o-Xylene	11.95	106	274279	20.24	ug/l	99
70) Styrene	11.96	104	444909	19.05	ug/l	100
71) Bromoform	12.13	173	112475	19.66	ug/l #	99
73) Isopropylbenzene	12.25	105	728690	20.45	ug/l	100
74) N-amyl acetate	12.07	43	190171	20.52	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	183634	20.84	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	142348m	18.68	ug/l	
77) Bromobenzene	12.53	156	188131	19.45	ug/l	99
78) n-propylbenzene	12.59	91	815566	20.53	ug/l	99
79) 2-Chlorotoluene	12.68	91	496098	20.03	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	596235	20.90	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43228	21.08	ug/l	98
82) 4-Chlorotoluene	12.77	91	499404	20.40	ug/l	100
83) tert-Butylbenzene	12.99	119	491889	19.86	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	607422	21.22	ug/l	99
85) sec-Butylbenzene	13.17	105	663972	20.52	ug/l	99
86) p-Isopropyltoluene	13.29	119	574202	20.94	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	323170	19.63	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	315301	19.29	ug/l	100
89) n-Butylbenzene	13.62	91	439626	19.86	ug/l	99
90) Hexachloroethane	13.88	117	101455	18.40	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	311218	19.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26018	20.47	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050595.D
 Acq On : 14 Aug 2018 12:18
 Operator : MD\SY
 Sample : VN0814WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:25 PM

Quant Time: Aug 15 08:34:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139563	18.70	ug/l	100
94) Hexachlorobutadiene	15.01	225	97895	19.87	ug/l	98
95) Naphthalene	15.13	128	274685	18.31	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	136902	19.03	ug/l	99

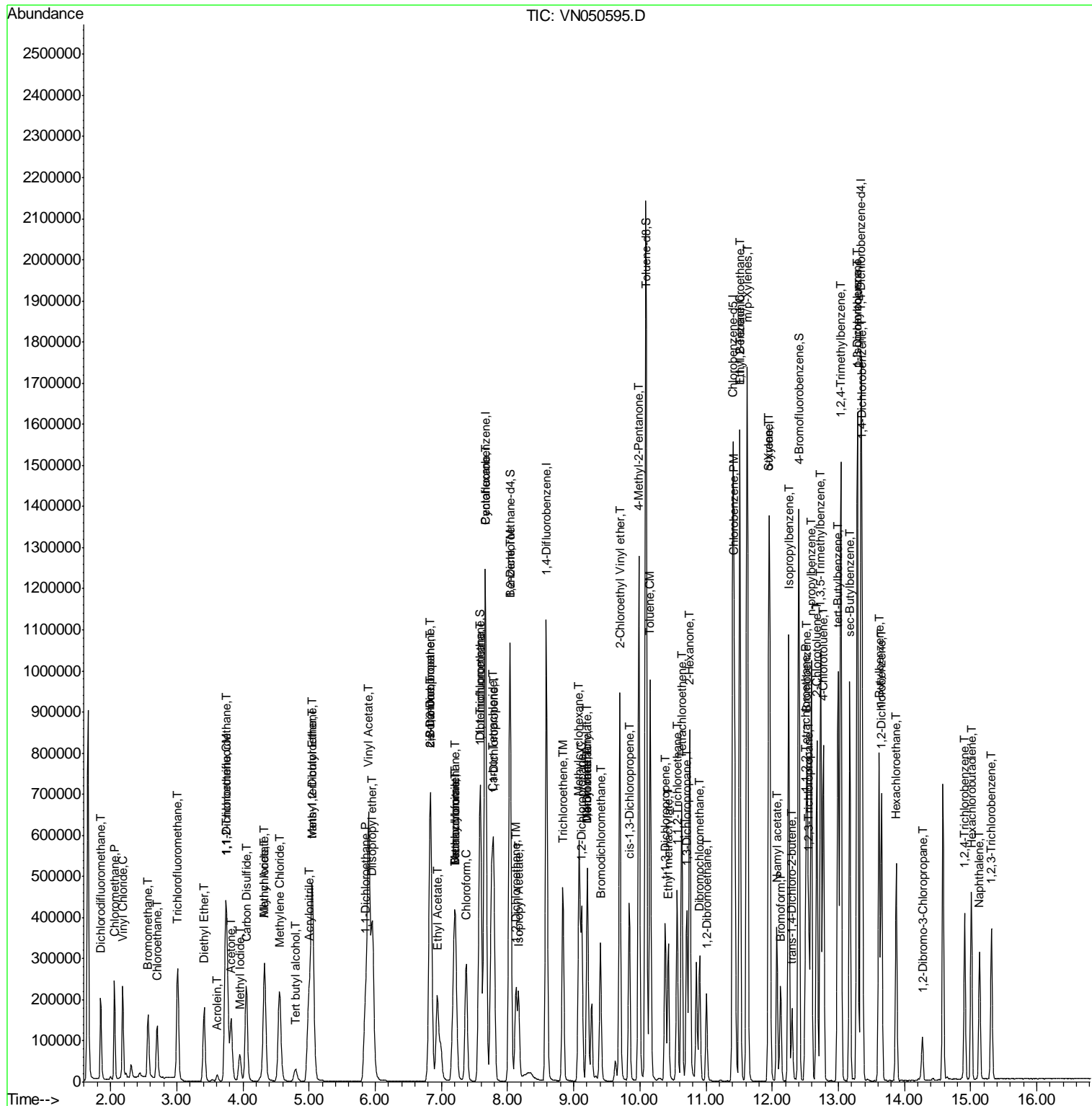
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050595.D
 Acq On : 14 Aug 2018 12:18
 Operator : MD\SY
 Sample : VN0814WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

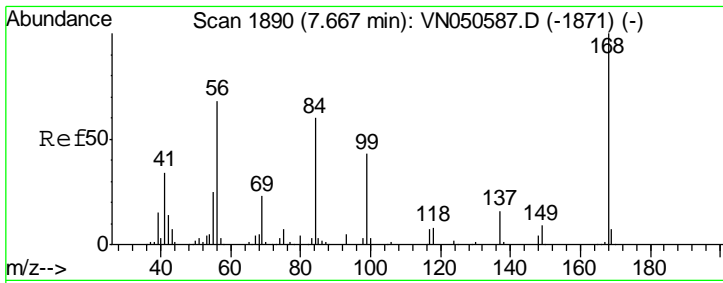
Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

Manual Integrations APPROVED
 MMDadoda
 8/15/2018 3:31:25 PM

Quant Time: Aug 15 08:34:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



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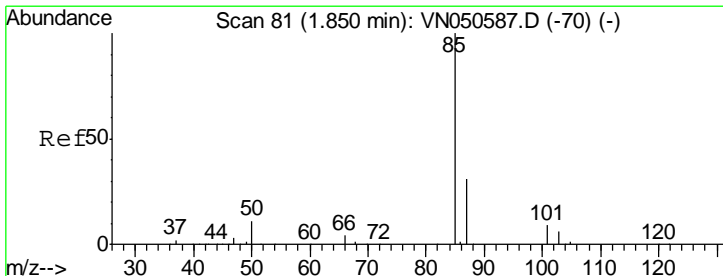
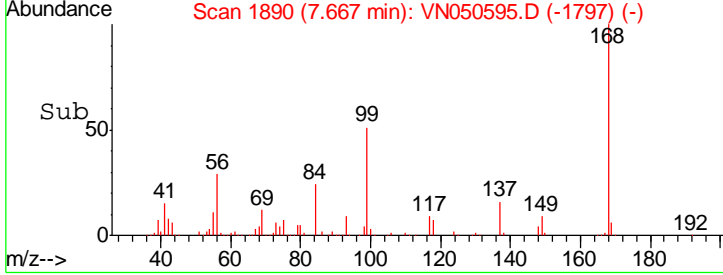
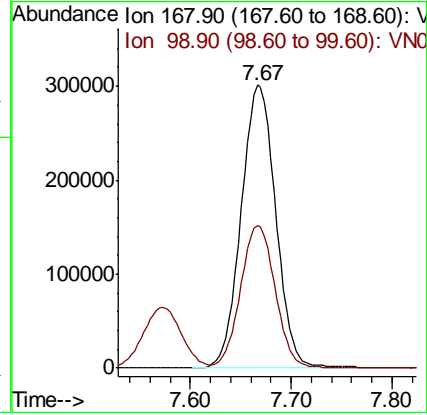
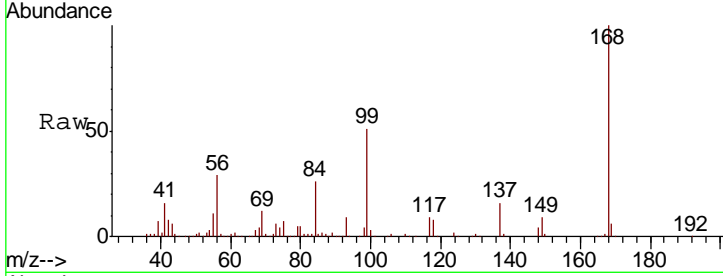


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

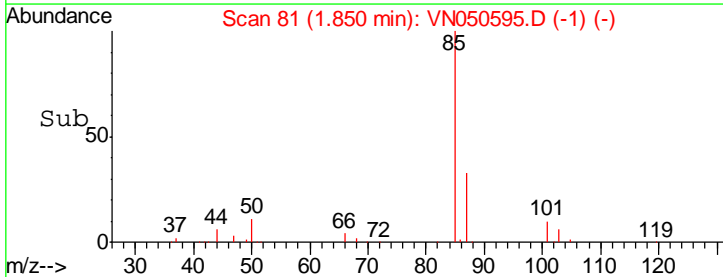
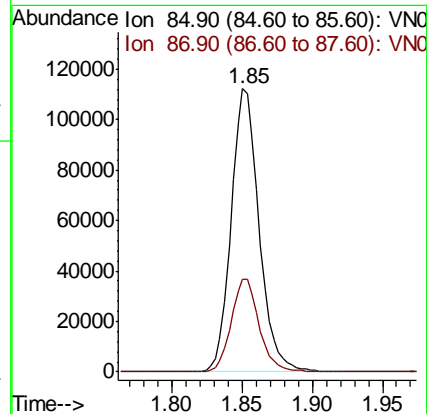
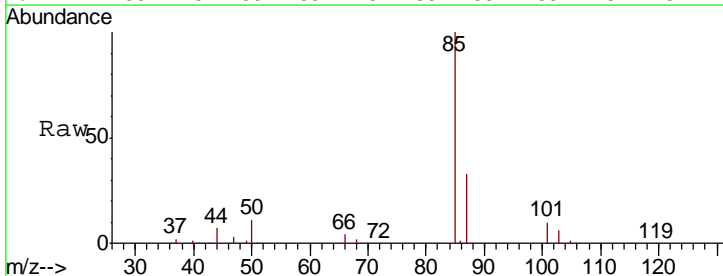
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.2	40.8	61.2

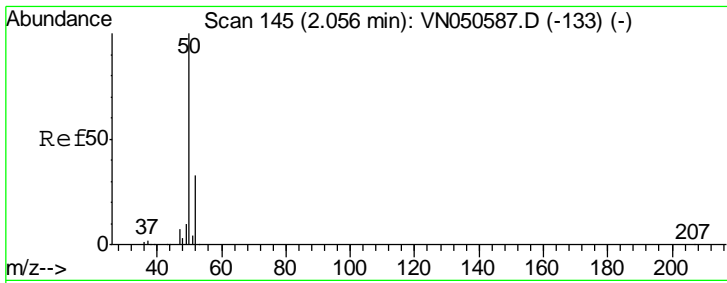
Manual Integrations
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 MMDadoda
 8/15/2018 3:31:25 PM



#2
 Dichlorodifluoromethane
 Concen: 19.23 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.6	15.8	47.3



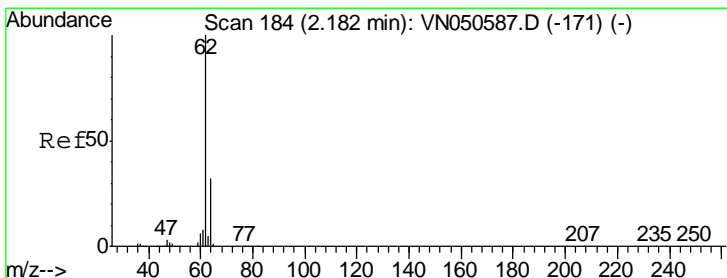
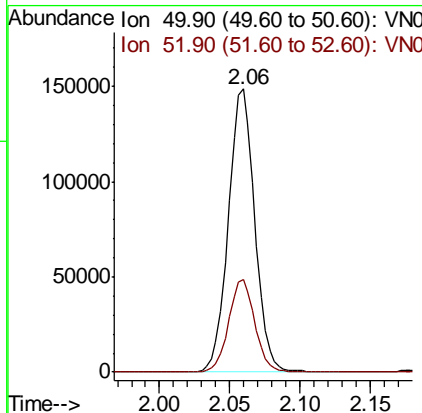
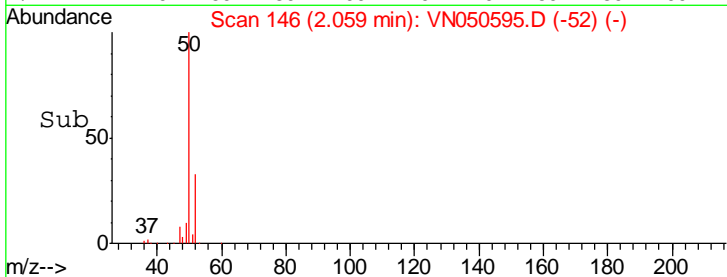
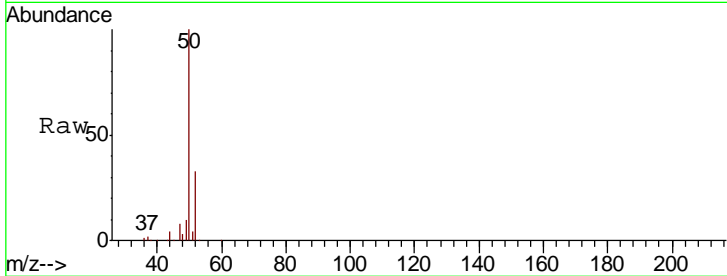


#3
 Chloromethane
 Concen: 19.51 ug/l
 RT: 2.06 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
50	194795		
52	32.6	26.0	39.0

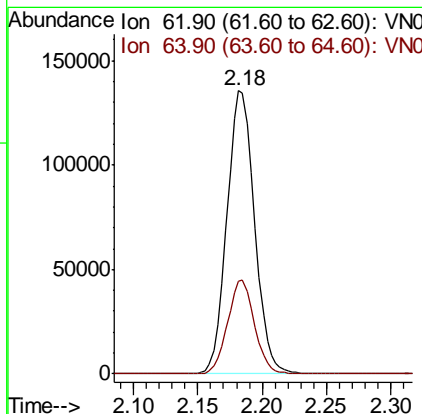
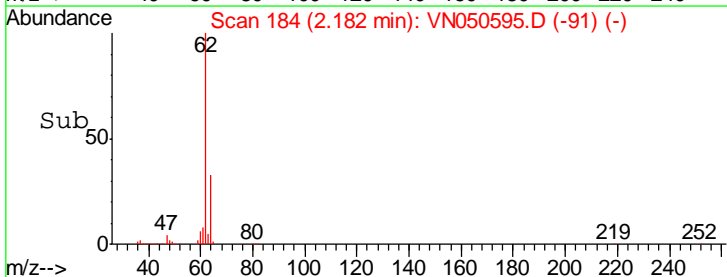
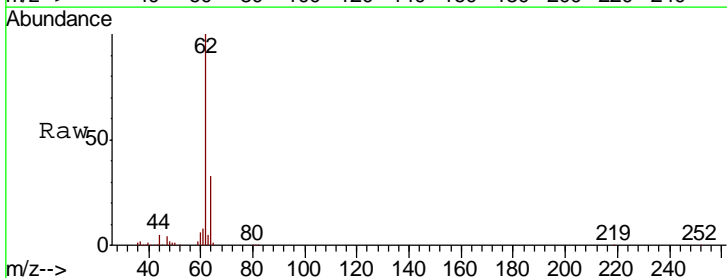
Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

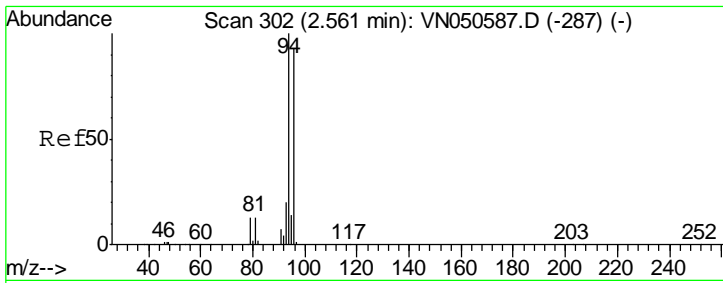
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:31:25 PM



#4
 Vinyl Chloride
 Concen: 18.80 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
62	201512		
64	32.9	25.2	37.8



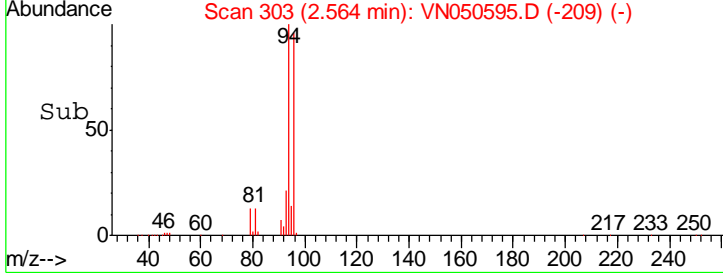
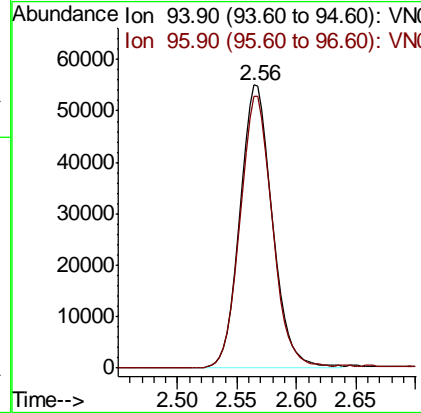
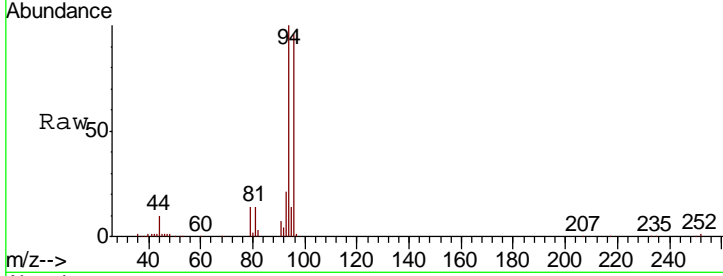


#5
 Bromomethane
 Concen: 16.73 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
94	104396		
96	96.1	74.0	111.0

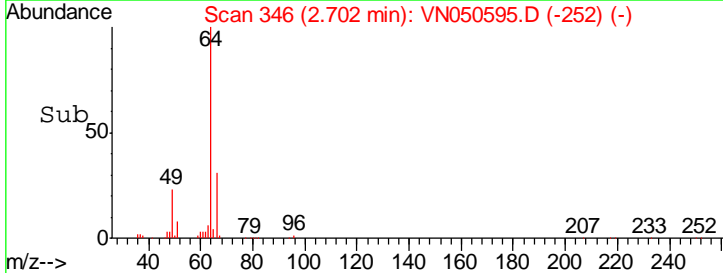
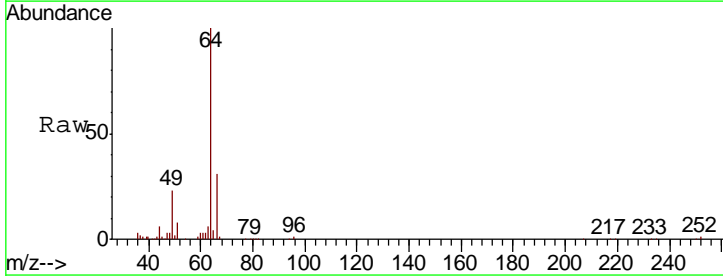
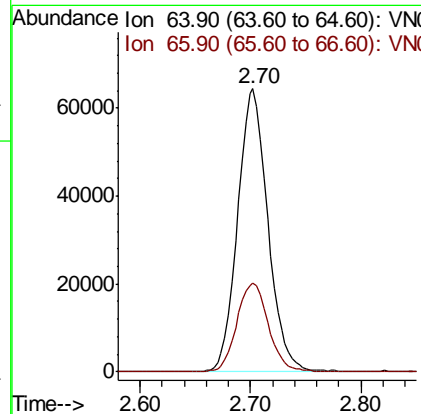
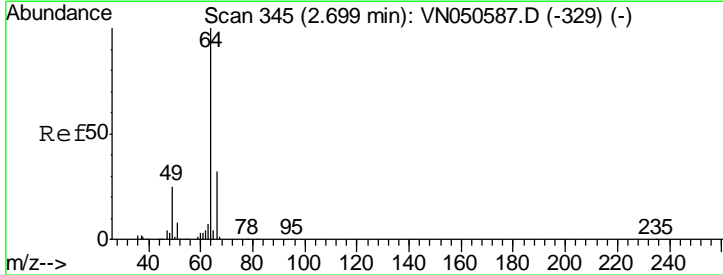
Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

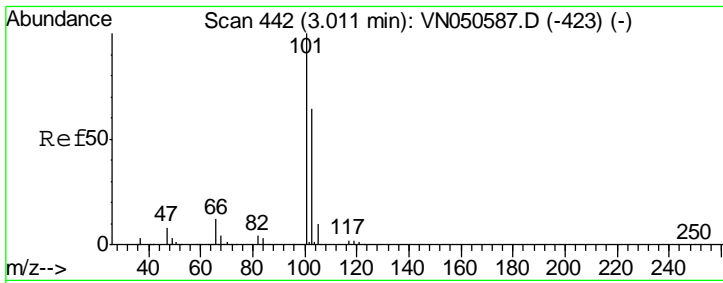
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#6
 Chloroethane
 Concen: 19.60 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
64	122475		
66	31.1	25.7	38.5





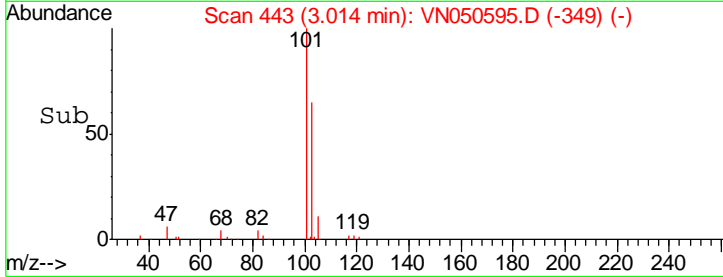
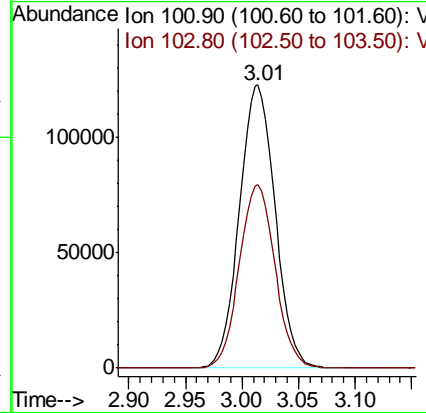
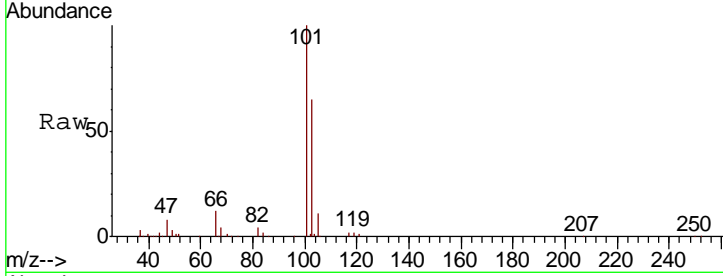
#7
 Trichlorofluoromethane
 Concen: 19.22 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tgt Ion	Resp	Lower	Upper
101	270273		
103	64.8	51.4	77.0

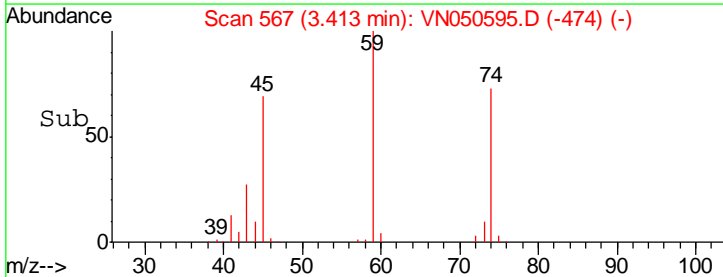
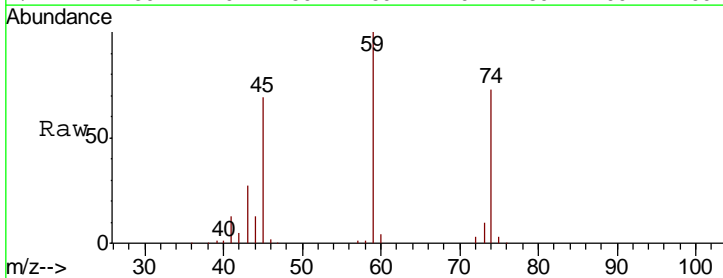
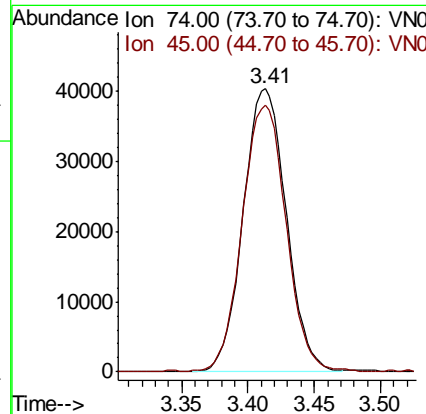
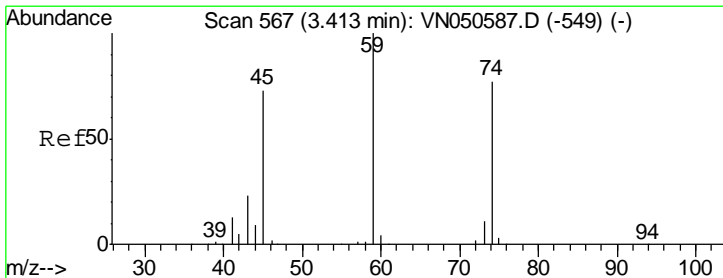
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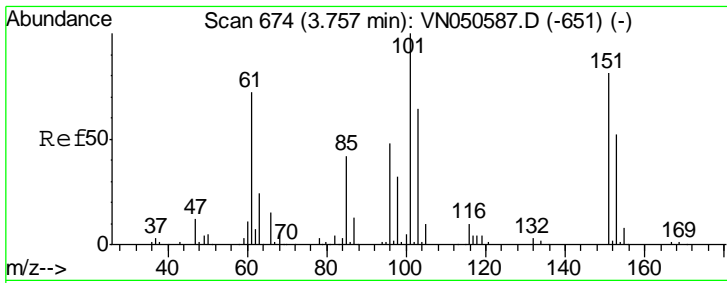
MMDadoda
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#8
 Diethyl Ether
 Concen: 19.54 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

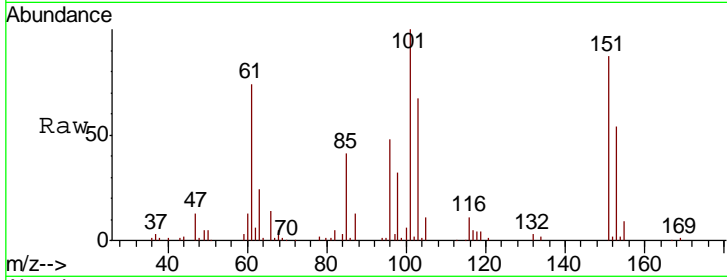
Tgt Ion	Resp	Lower	Upper
74	91444		
45	96.4	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.61 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

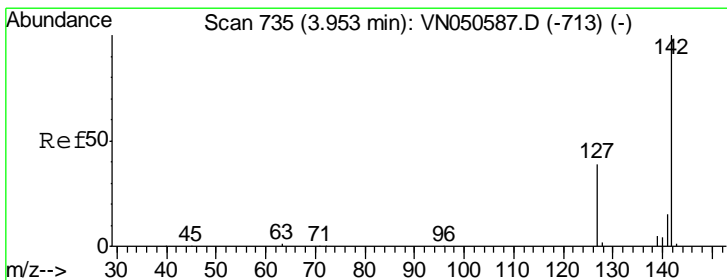
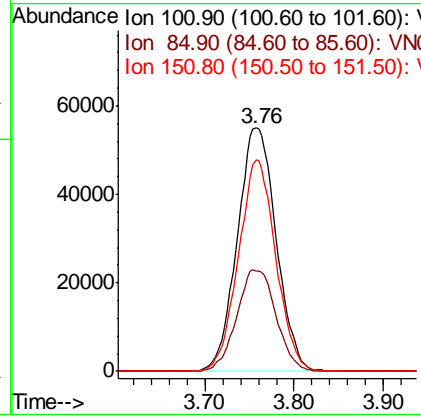
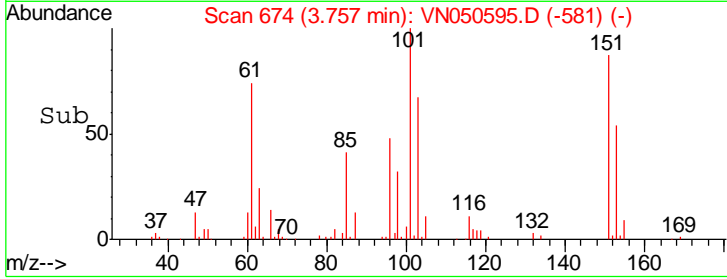
Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01



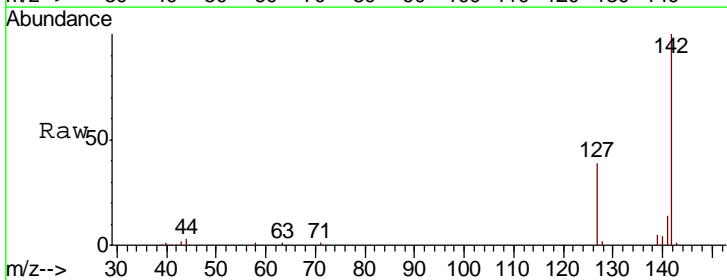
Tgt Ion: 101 Resp: 166805

Ion	Ratio	Lower	Upper
101	100		
85	42.0	33.4	50.0
151	83.3	66.6	100.0

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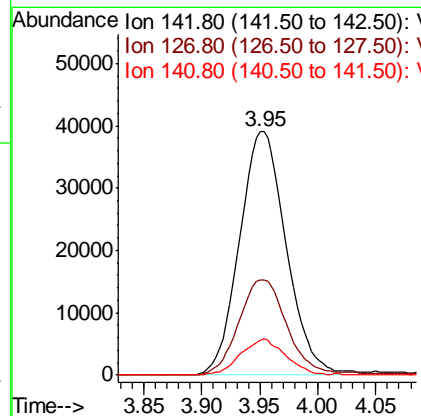
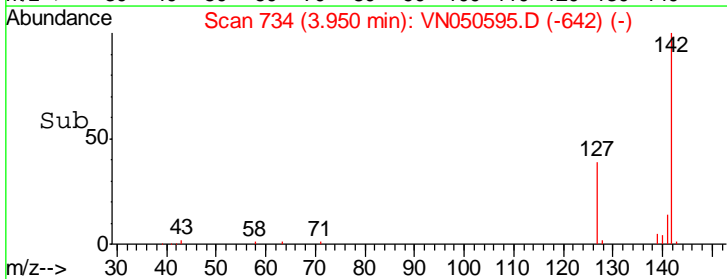


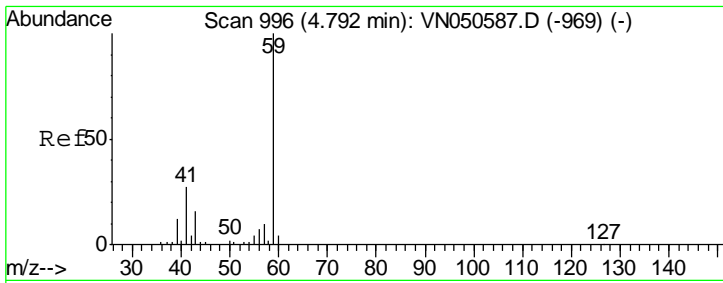
#10
 Methyl Iodide
 Concen: 22.49 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18



Tgt Ion: 142 Resp: 109131

Ion	Ratio	Lower	Upper
142	100		
127	40.3	32.6	49.0
141	14.4	11.5	17.3





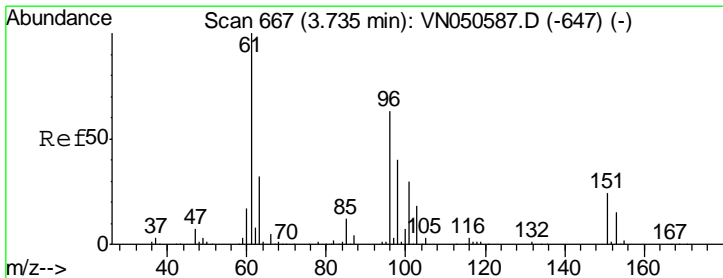
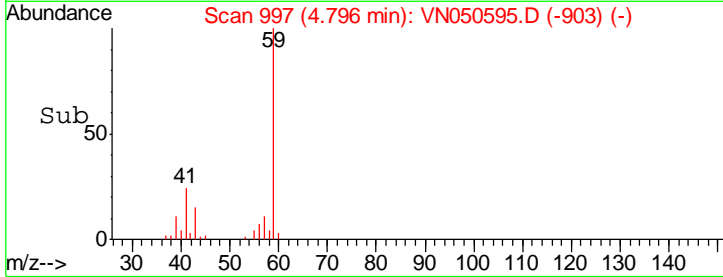
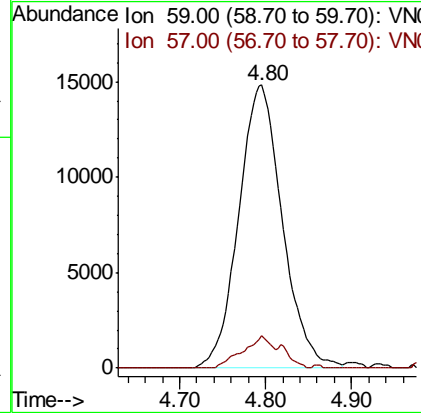
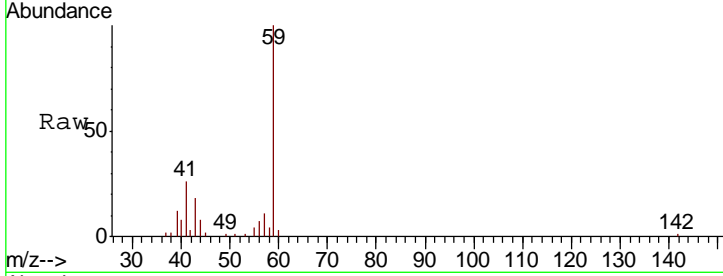
#11
 Tert butyl alcohol
 Concen: 105.97 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tgt Ion	Resp	Lower	Upper
59	100		
57	7.5	8.4	12.6#

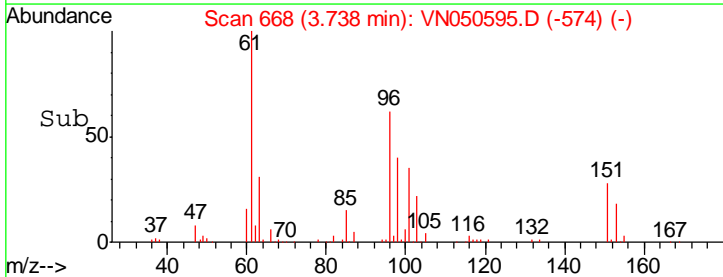
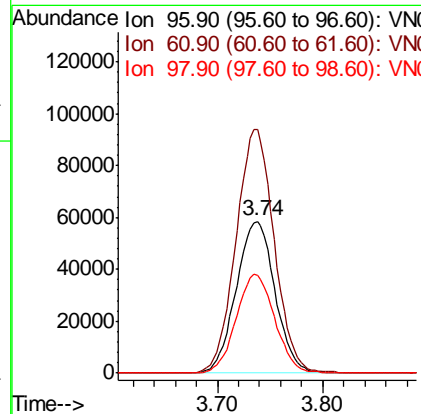
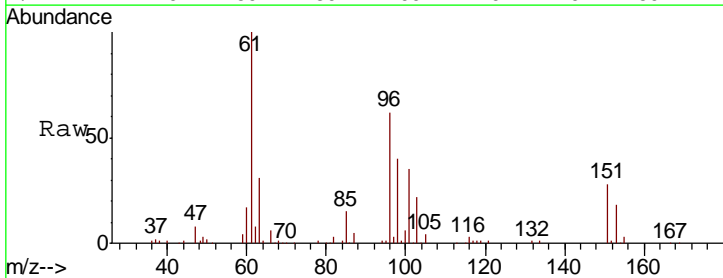
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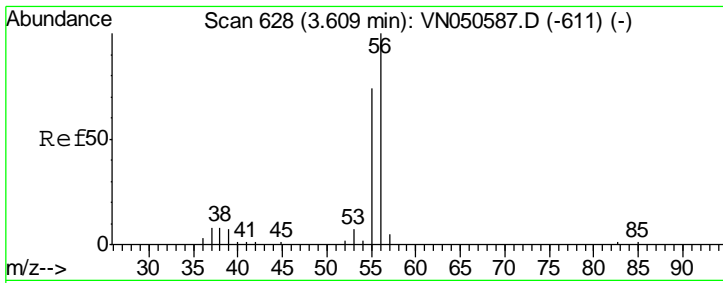
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#12
 1,1-Dichloroethene
 Concen: 19.28 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
96	100		
61	160.1	126.9	190.3
98	64.3	51.1	76.7



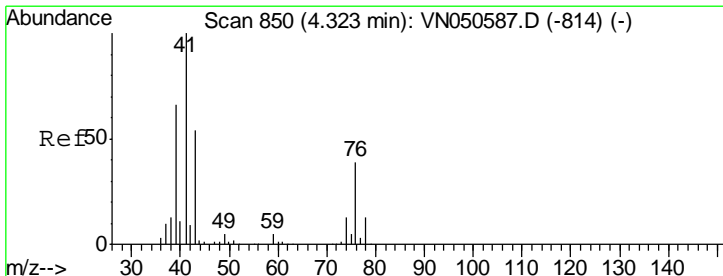
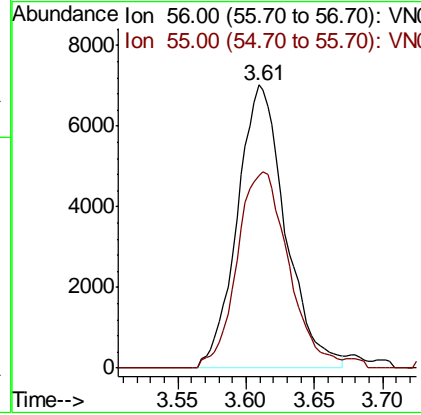
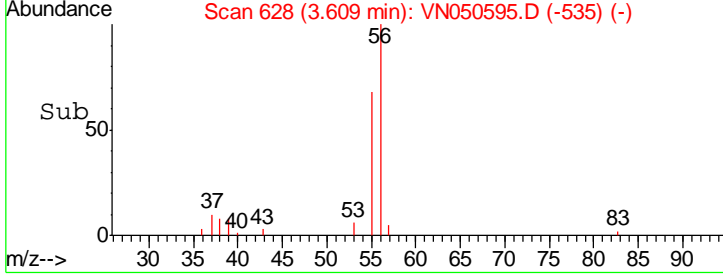
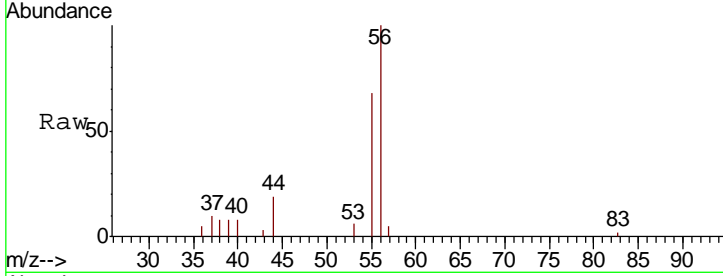


#13
 Acrolein
 Concen: 85.24 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
56	100		
55	74.0	56.3	84.5

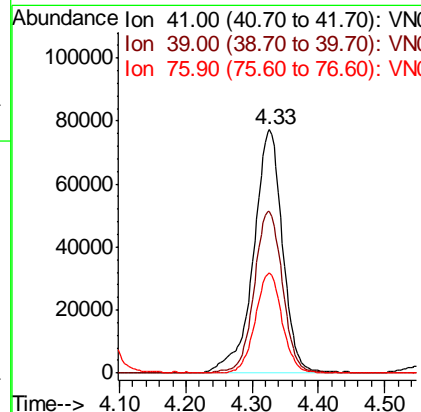
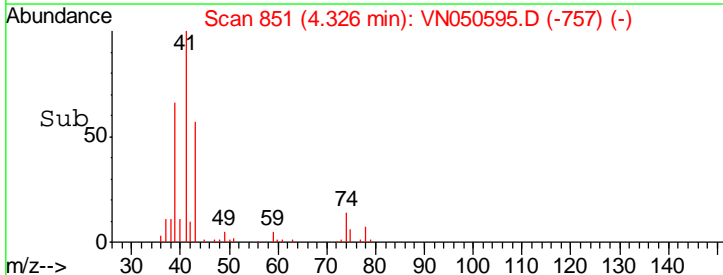
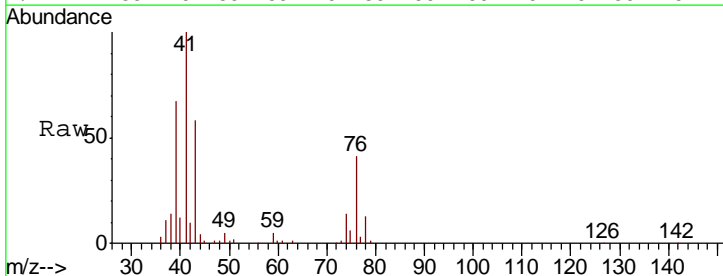
Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

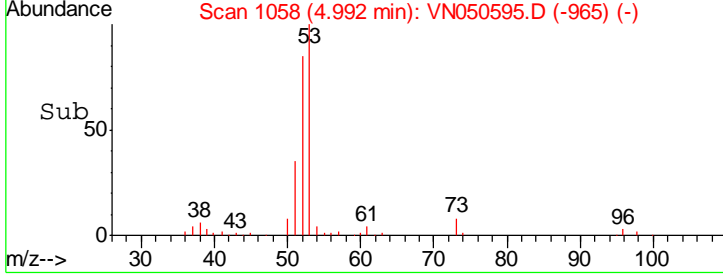
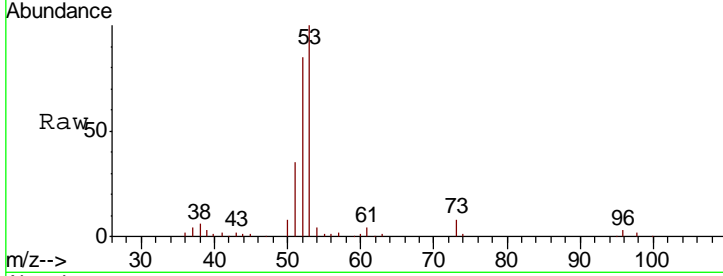
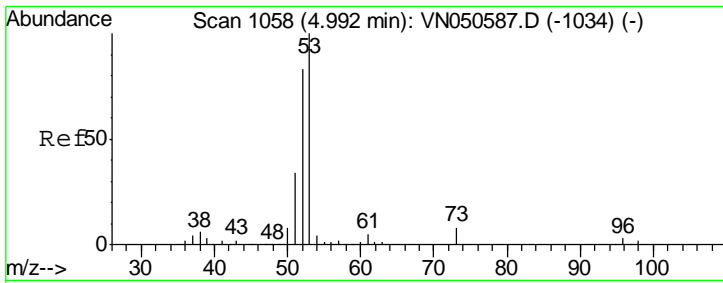
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#14
 Allyl chloride
 Concen: 19.43 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
41	100		
39	64.8	51.4	77.0
76	37.4	29.4	44.0



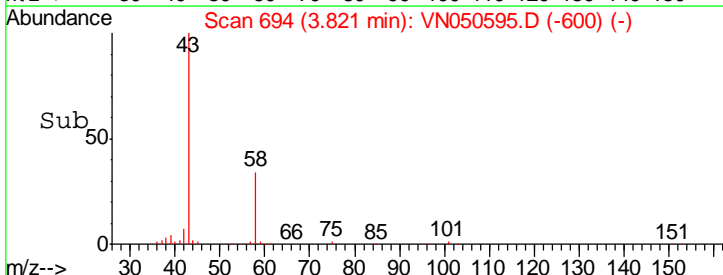
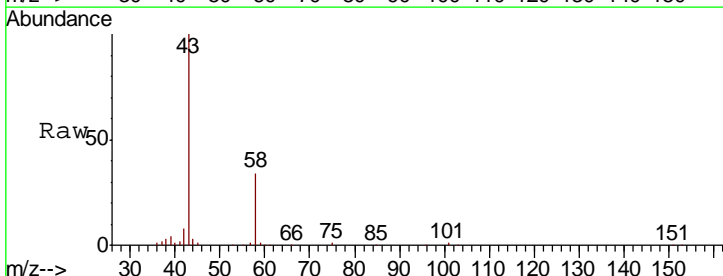
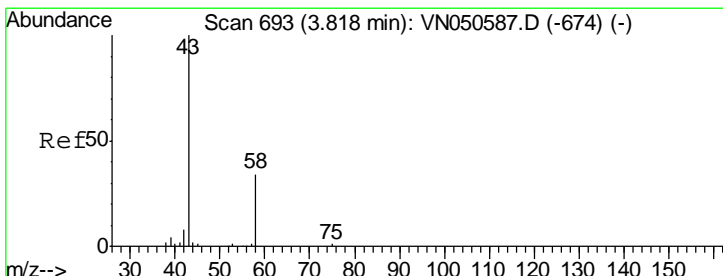
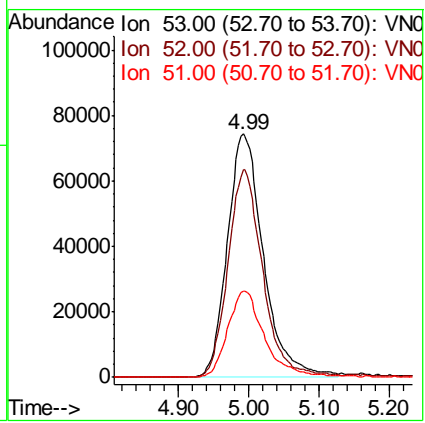


#15
 Acrylonitrile
 Concen: 98.23 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.3	66.2	99.2
51	36.1	28.6	43.0

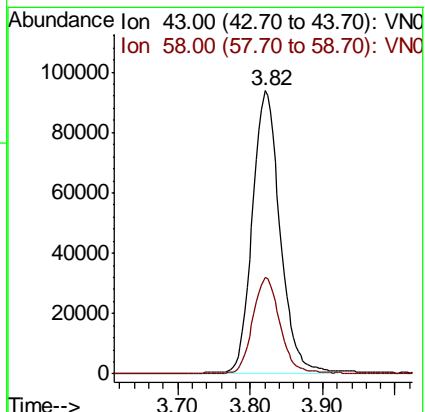
Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

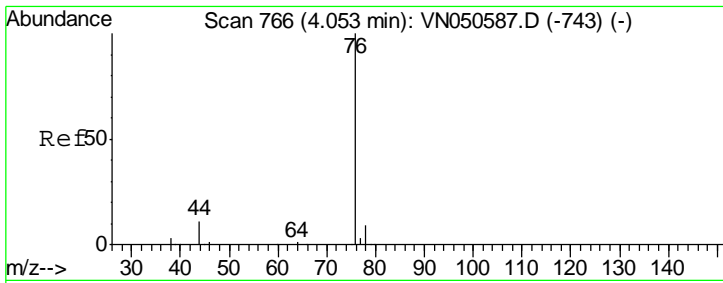
Manual Integrations
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#16
 Acetone
 Concen: 110.88 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
43	100		
58	34.2	27.1	40.7



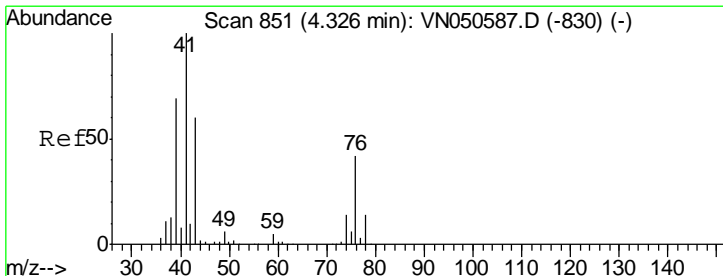
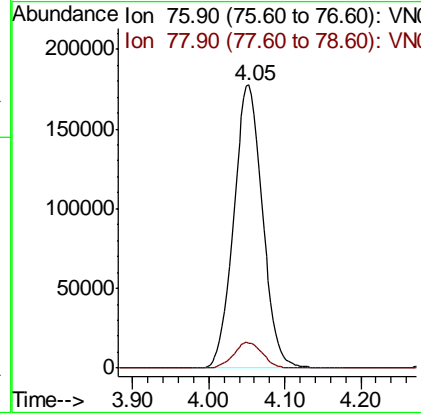
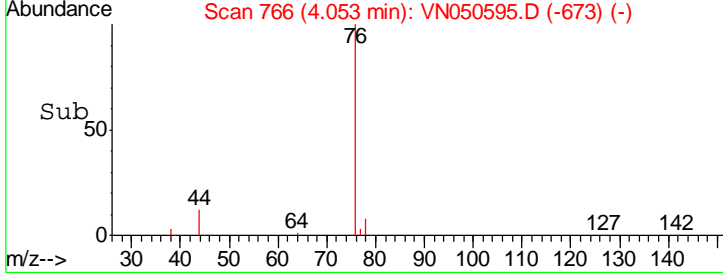
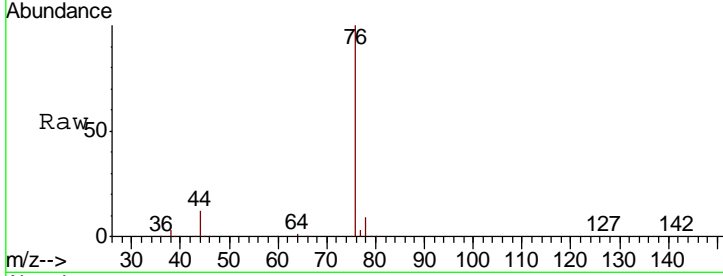


#17
 Carbon Disulfide
 Concen: 19.12 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
76	467284	100	
78	9.0	7.3	10.9

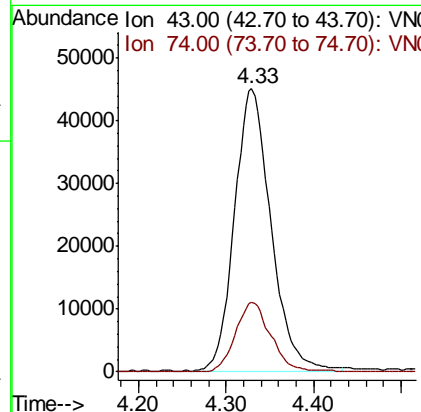
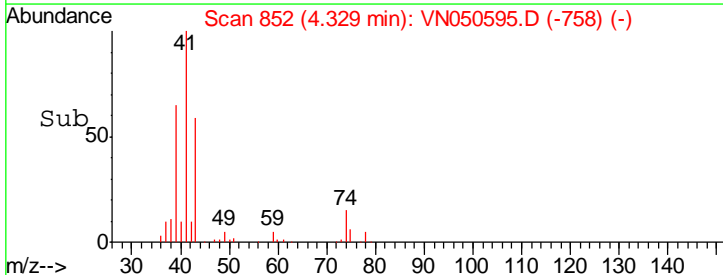
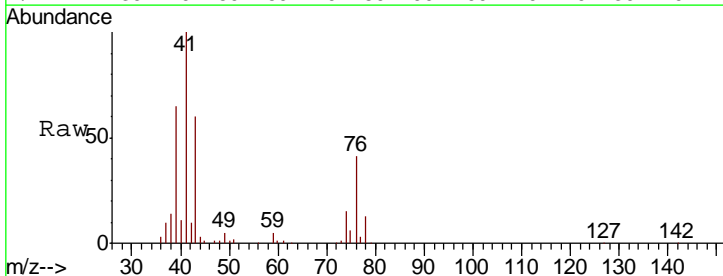
Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

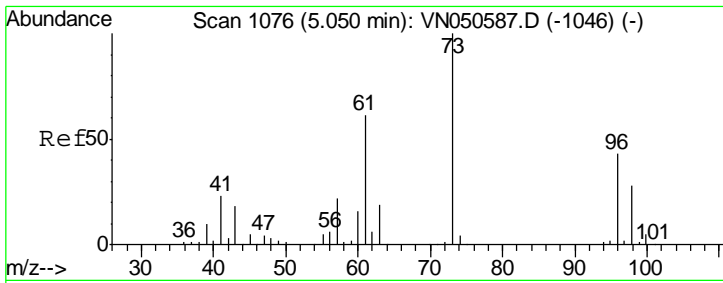
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#18
 Methyl Acetate
 Concen: 19.88 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
43	129800	100	
74	23.8	19.7	29.5



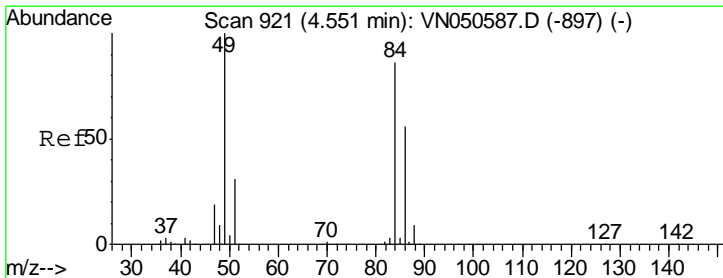
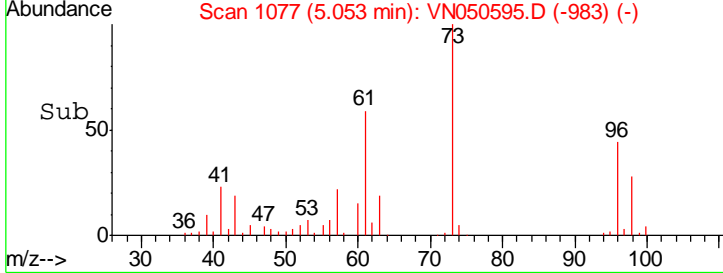
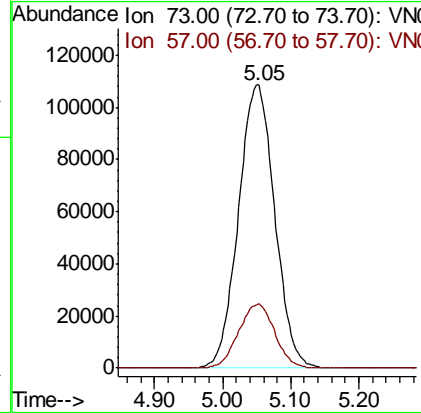
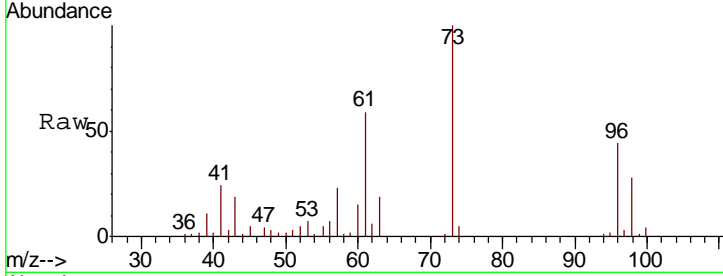


#19
 Methyl tert-butyl Ether
 Concen: 20.28 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.6	17.9	26.9

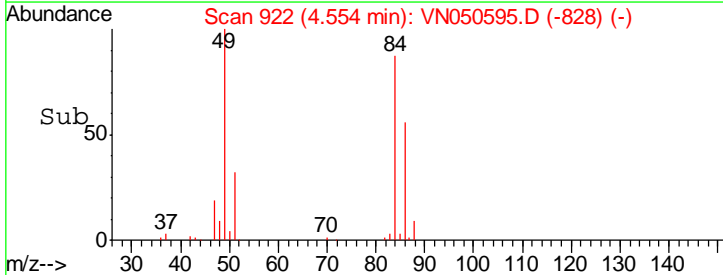
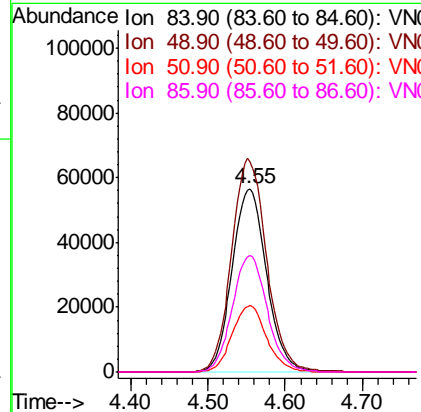
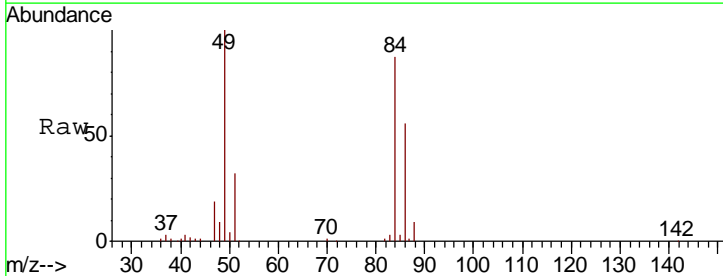
Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

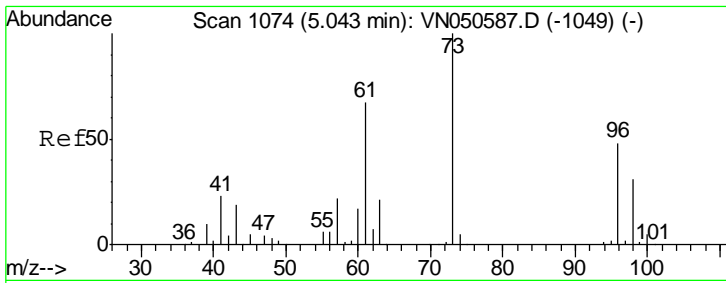
Manual Integrations
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 8/15/2018 3:31:25 PM



#20
 Methylene Chloride
 Concen: 19.67 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
84	100		
49	114.9	92.6	138.8
51	36.3	28.6	43.0
86	63.9	52.2	78.2



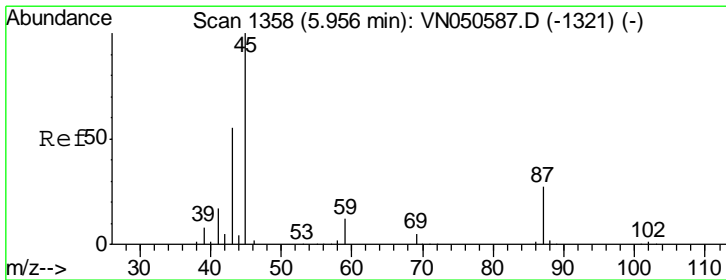
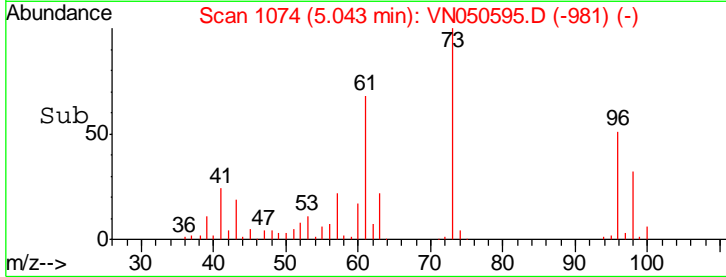
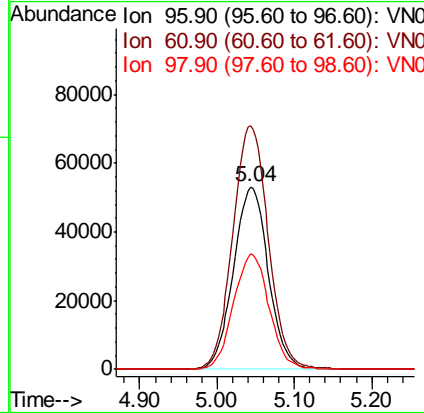
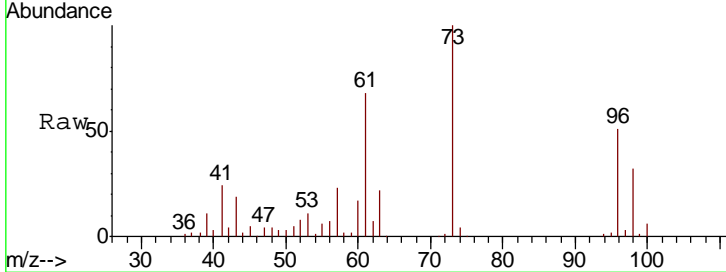


#21
 trans-1,2-Dichloroethene
 Concen: 19.79 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
96	166670		
96	100		
61	133.4	111.2	166.8
98	63.1	51.6	77.4

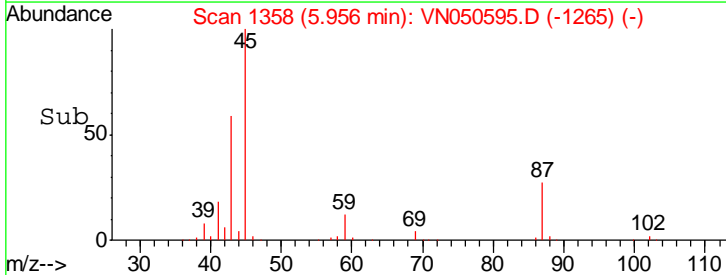
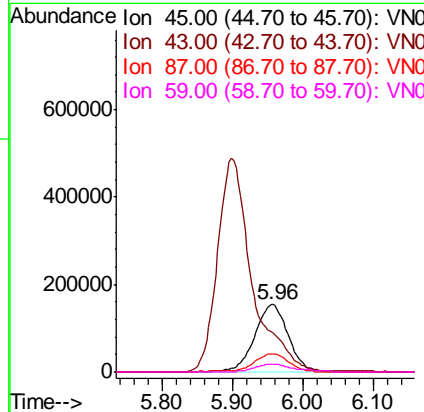
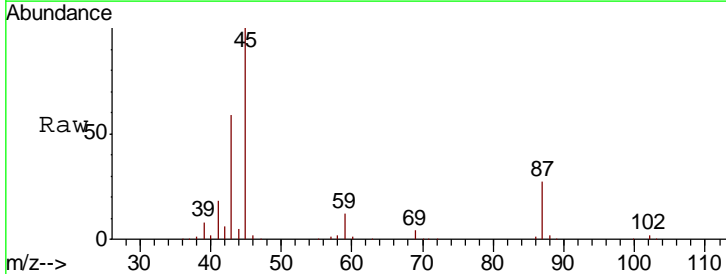
Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

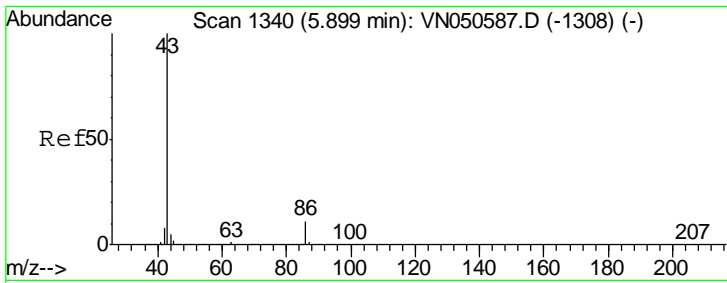
Manual Integrations APPROVED
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#22
 Diisopropyl ether
 Concen: 20.71 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
45	512995		
45	100		
43	56.9	44.5	66.7
87	27.1	22.2	33.2
59	11.7	9.5	14.3





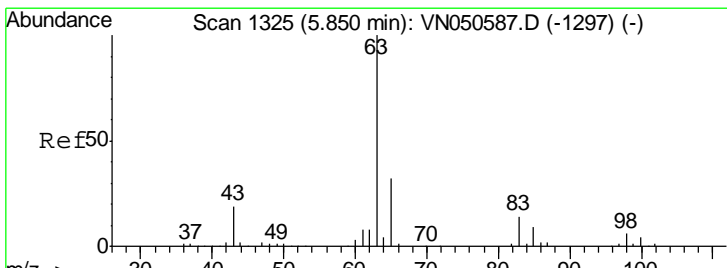
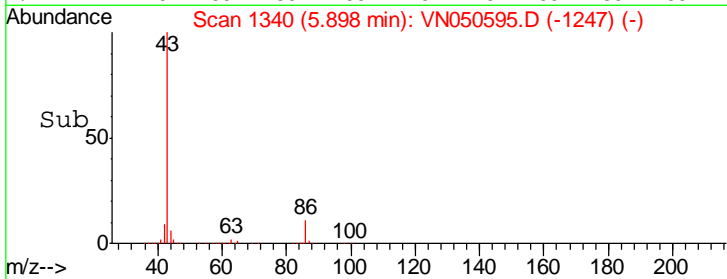
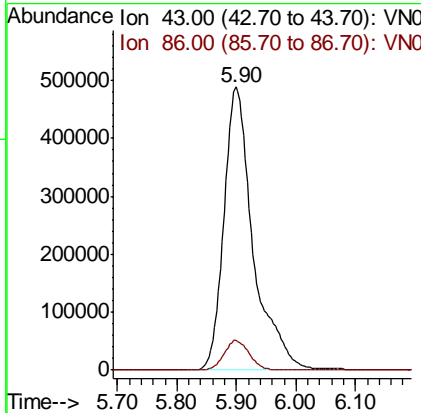
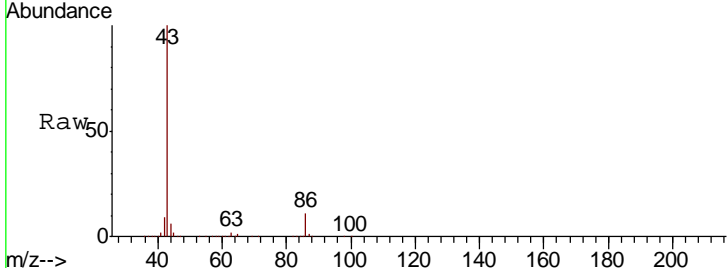
#23
 Vinyl Acetate
 Concen: 103.33 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

Tgt Ion: 43 Resp: 1674161

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.4	12.6

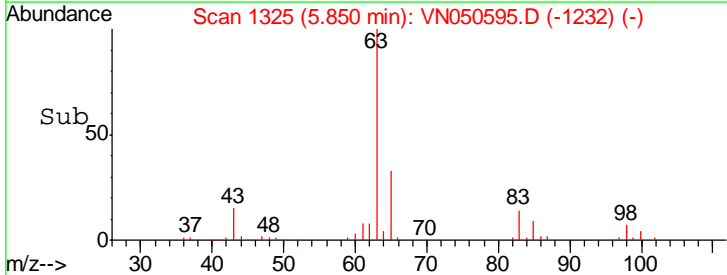
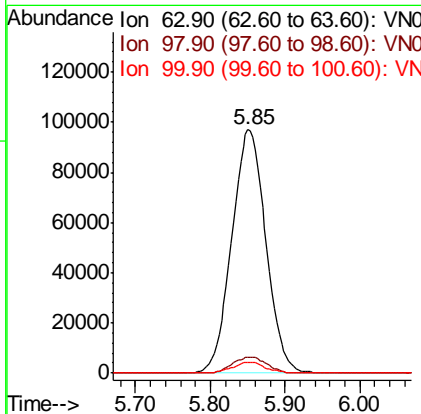
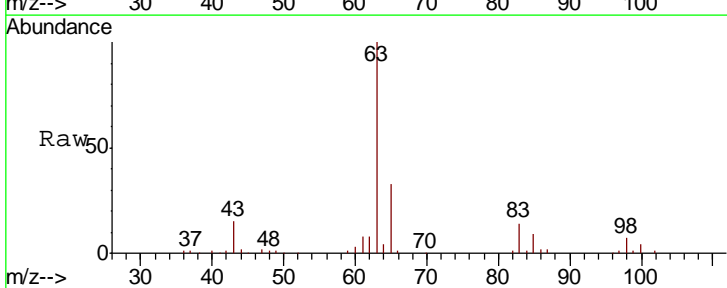
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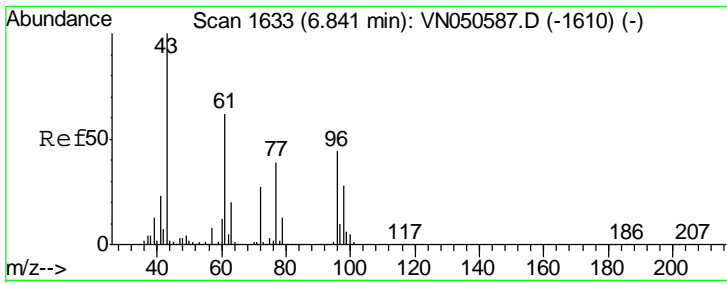


#24
 1,1-Dichloroethane
 Concen: 19.15 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion: 63 Resp: 306914

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.2	9.6
100	4.3	2.1	6.5





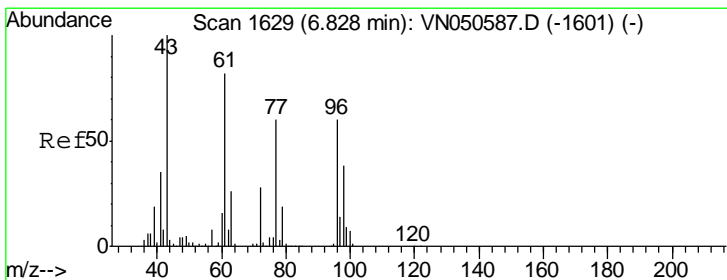
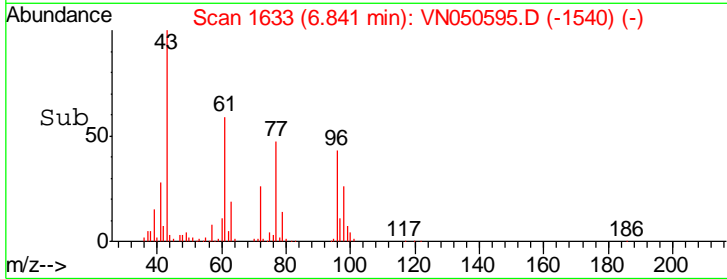
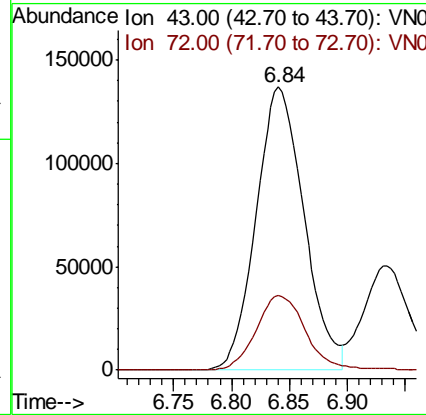
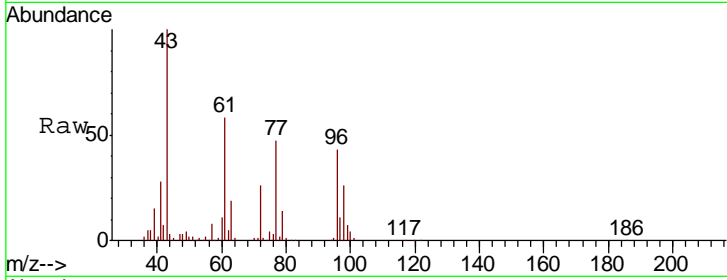
#25
 2-Butanone
 Concen: 105.83 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.4	21.8	32.6

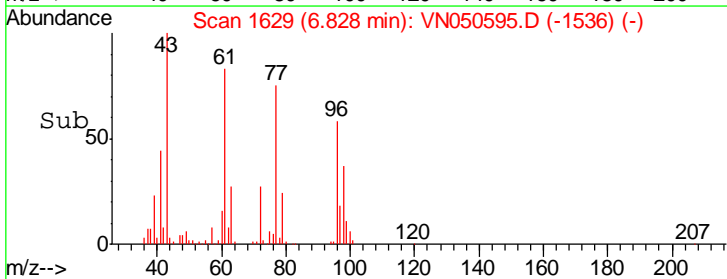
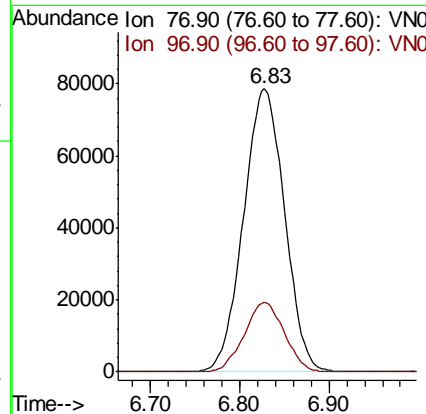
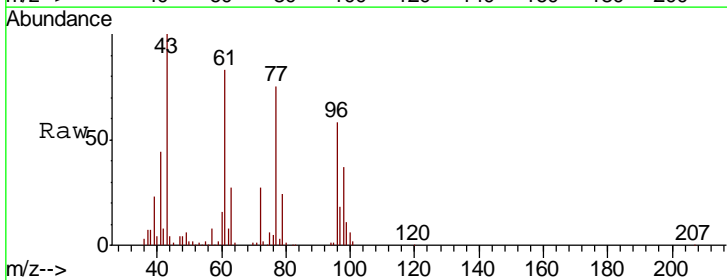
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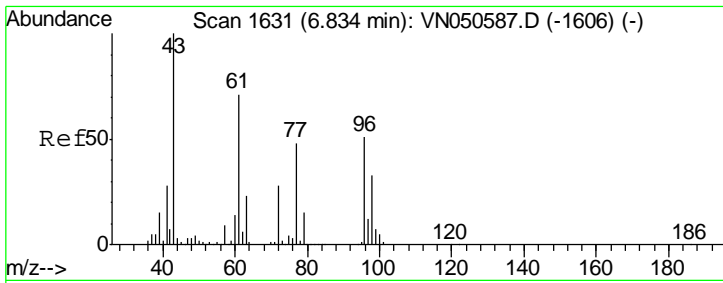
MMDadoda
 8/15/2018 3:31:25 PM



#26
 2,2-Dichloropropane
 Concen: 23.42 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.2	12.2	36.4





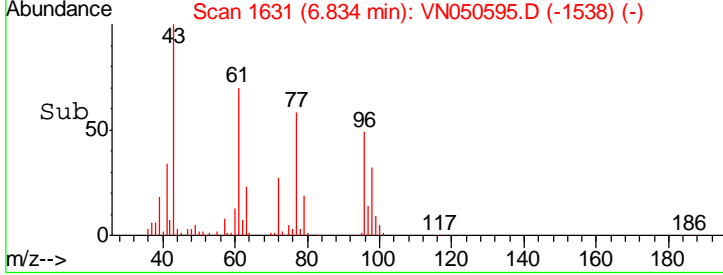
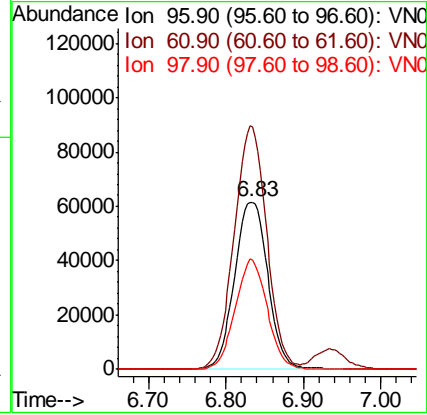
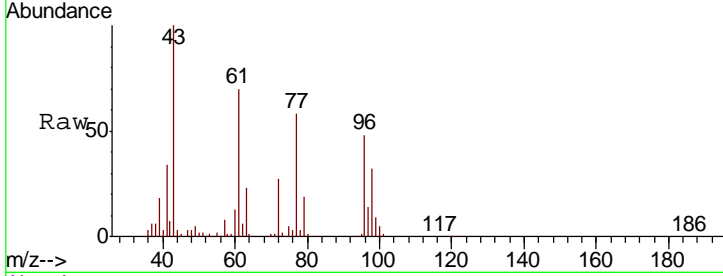
#27
 cis-1,2-Dichloroethene
 Concen: 19.64 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
96	184141		
96	100		
61	142.4	0.0	278.2
98	62.9	0.0	128.8

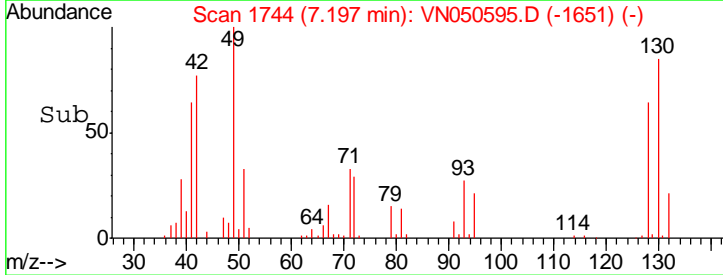
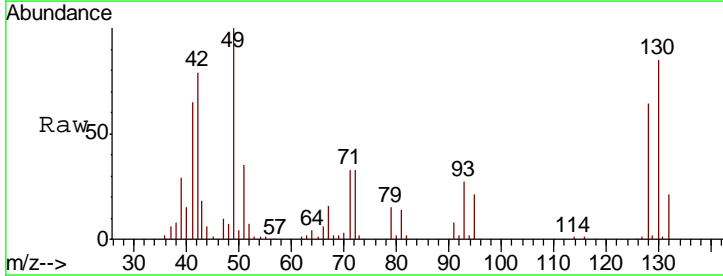
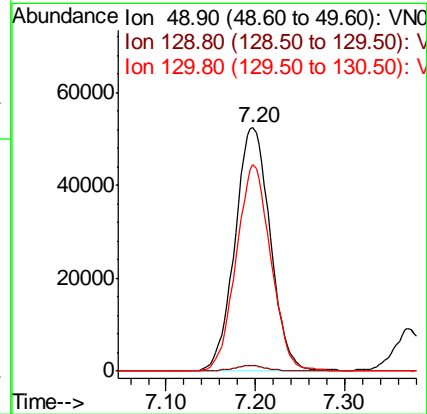
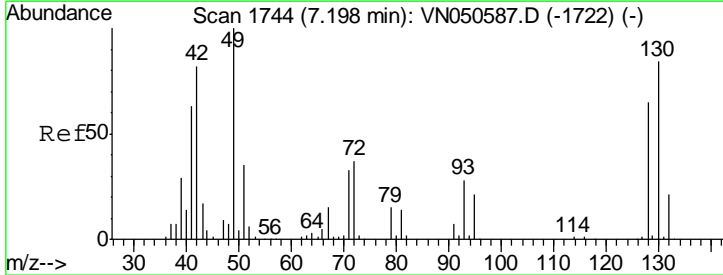
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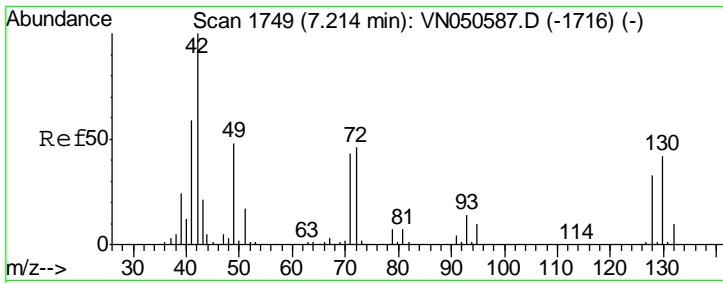
MMDadoda
 8/15/2018 3:31:25 PM



#28
 Bromochloromethane
 Concen: 19.80 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
49	144404		
49	100		
129	1.9	0.0	4.2
130	83.0	66.8	100.2



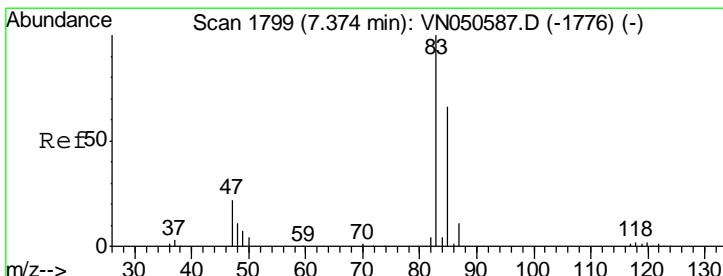
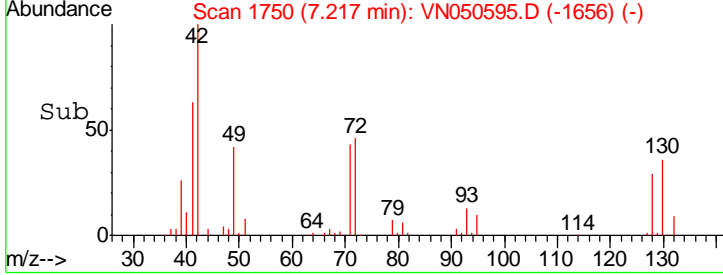
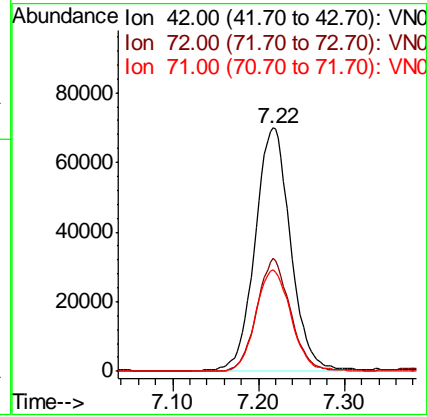
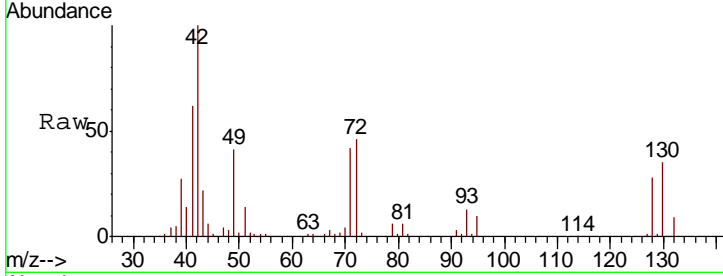


#29
 Tetrahydrofuran
 Concen: 104.08 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

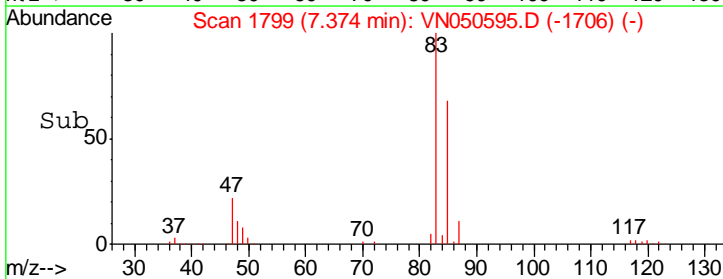
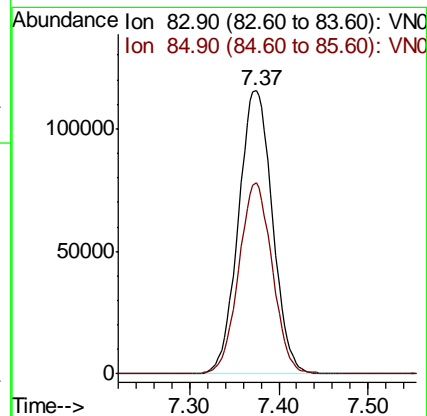
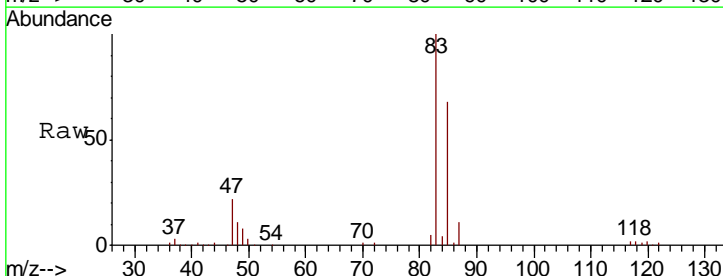
Tgt Ion	Resp	Lower	Upper
42	100		
72	43.6	35.8	53.6
71	41.5	33.4	50.0

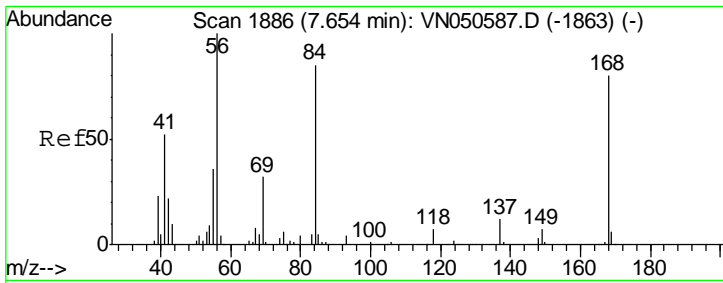
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#30
 Chloroform
 Concen: 18.82 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
83	100		
85	67.7	52.5	78.7





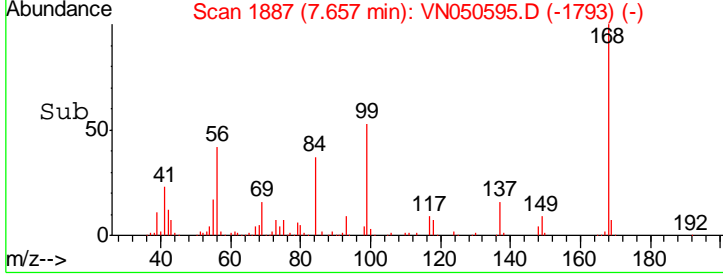
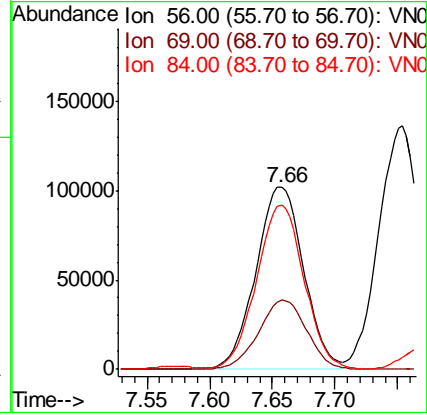
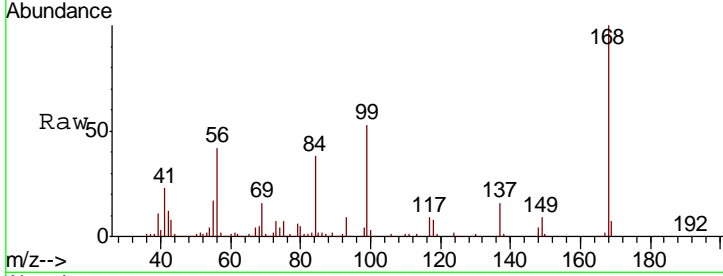
#31
 Cyclohexane
 Concen: 19.61 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tgt Ion	Resp	Lower	Upper
56	100		
69	38.1	25.8	38.6
84	88.9	67.8	101.6

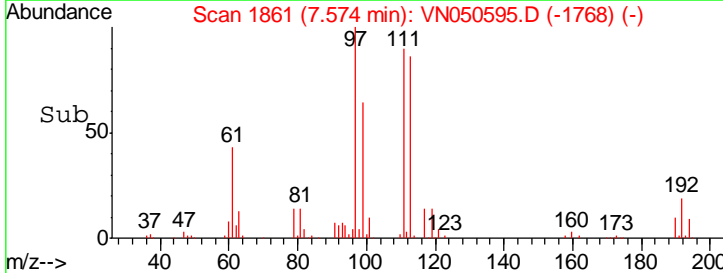
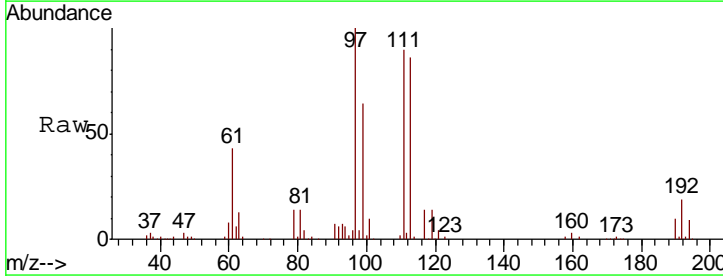
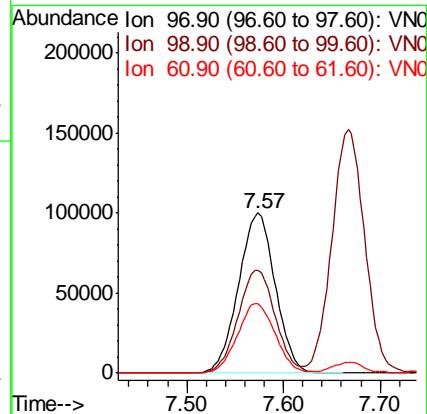
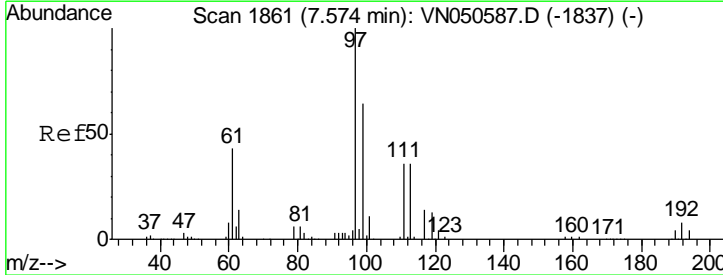
Manual Integrations
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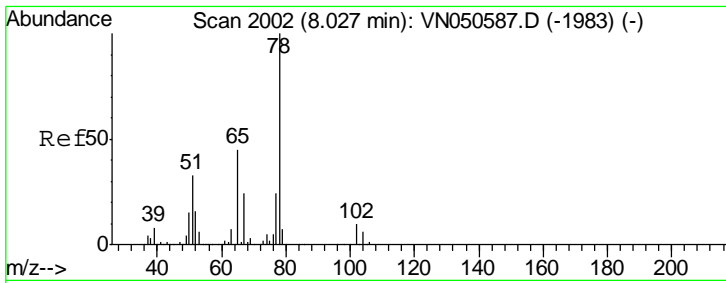
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#32
 1,1,1-Trichloroethane
 Concen: 19.37 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
97	100		
99	65.2	51.1	76.7
61	44.4	34.8	52.2



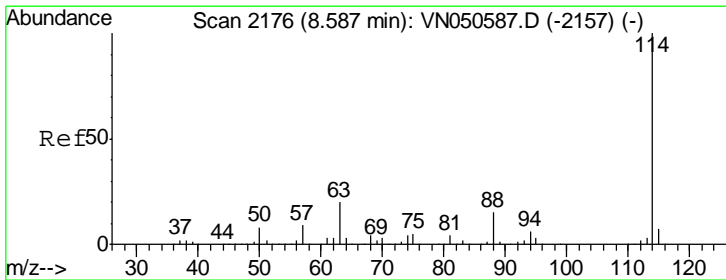
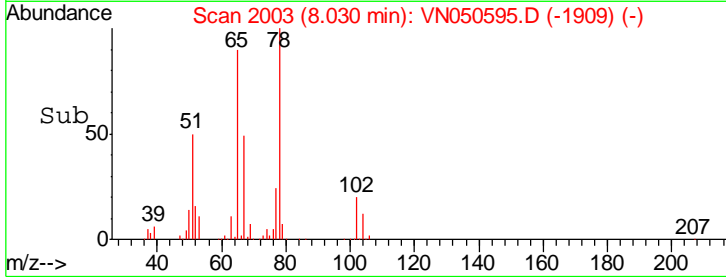
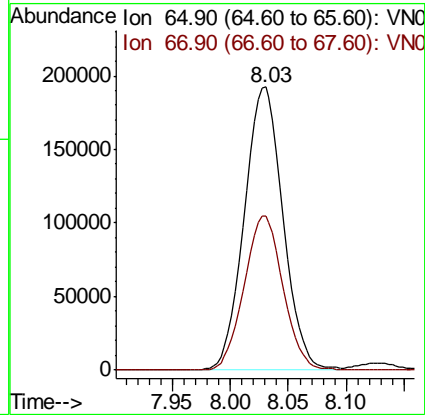
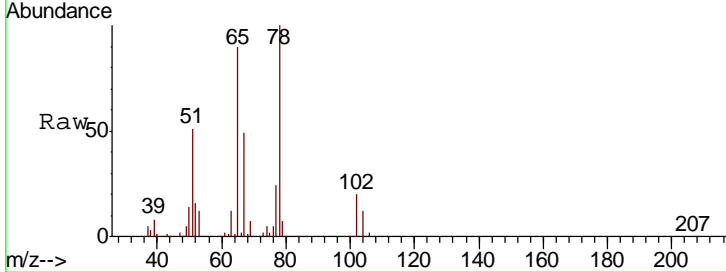


#33
 1,2-Dichloroethane-d4
 Concen: 49.57 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

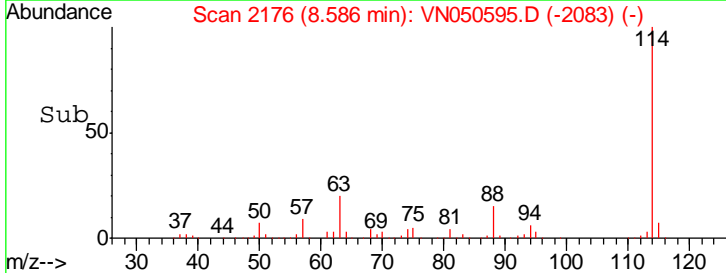
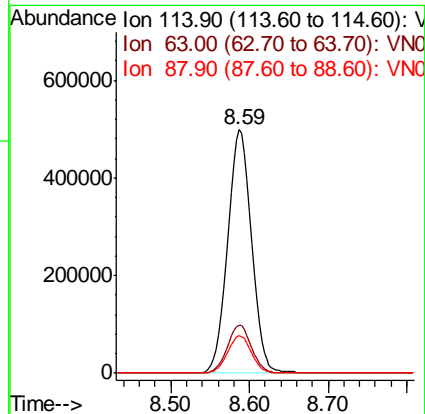
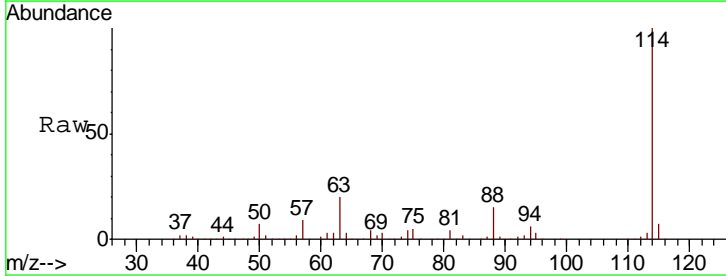
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.8	0.0	109.8

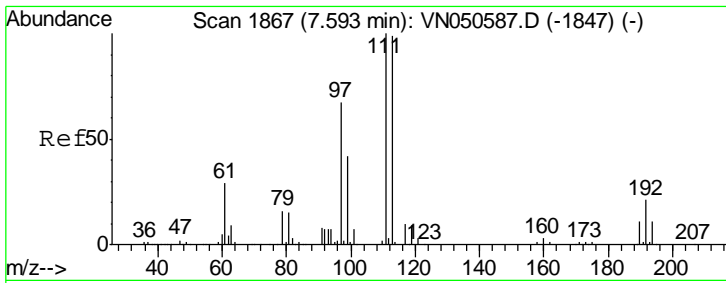
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

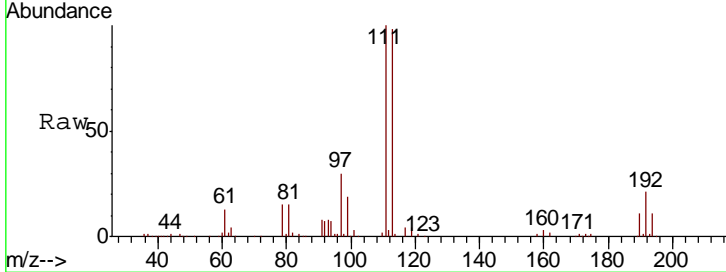
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	15.4	0.0	30.8





#35
 Dibromofluoromethane
 Concen: 50.02 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

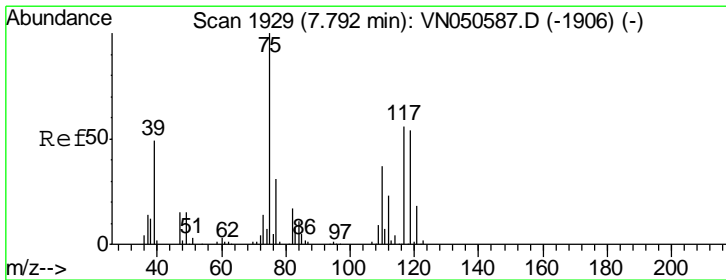
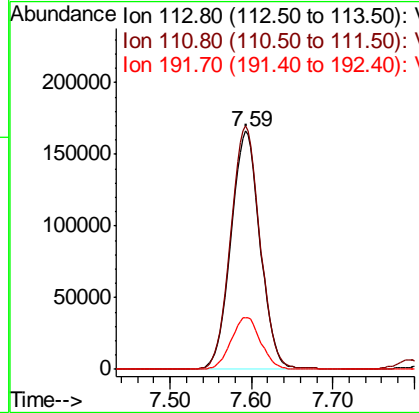
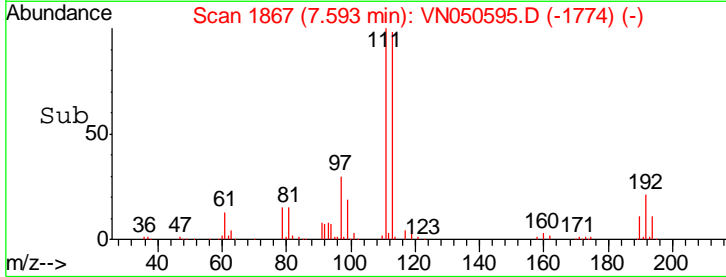
Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01



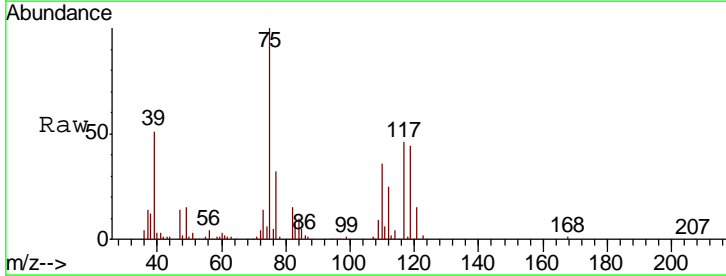
Tgt Ion: 113 Resp: 415962

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.6
192	22.0	17.6	26.4

Manual Integrations
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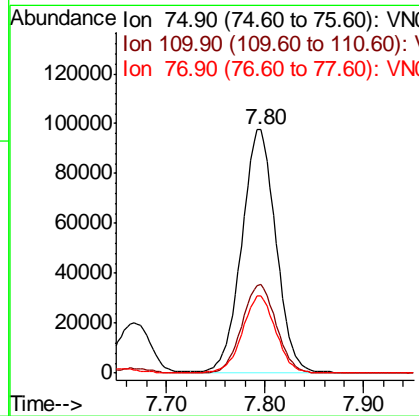
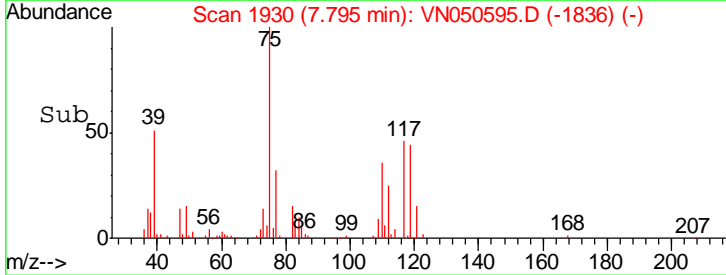


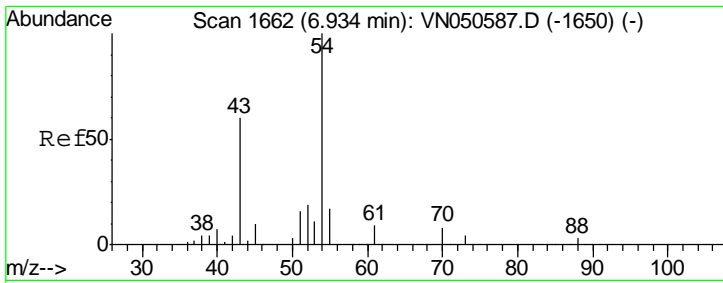
#36
 1,1-Dichloropropene
 Concen: 20.06 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18



Tgt Ion: 75 Resp: 232641

Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.3	54.9
77	31.3	25.0	37.4



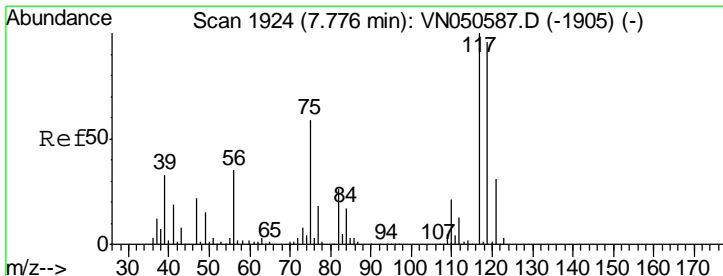
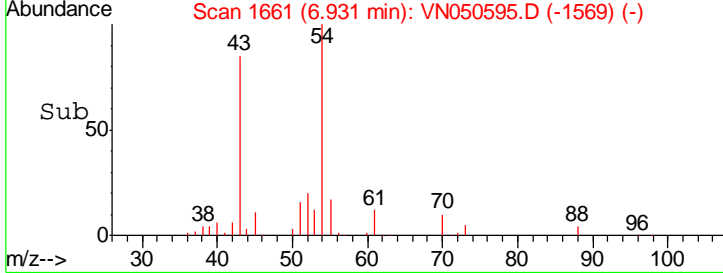
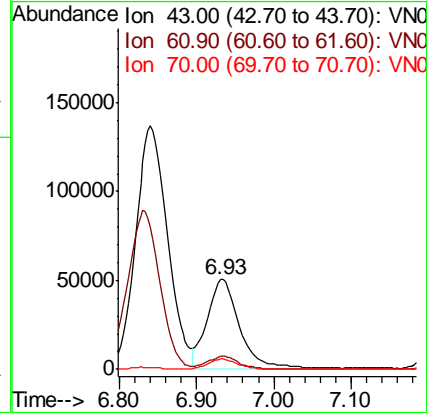
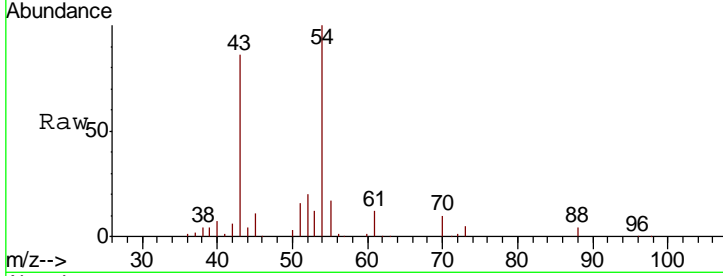


#37
Ethyl Acetate
Concen: 22.39 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
ClientSampled : VN0814WBS01

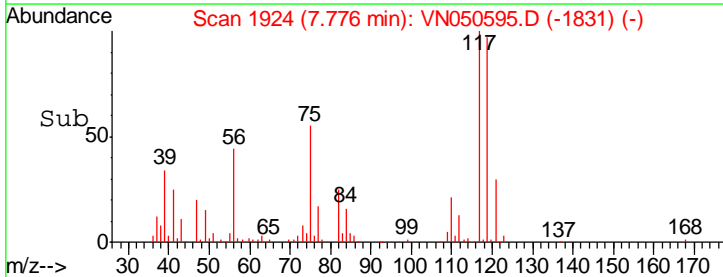
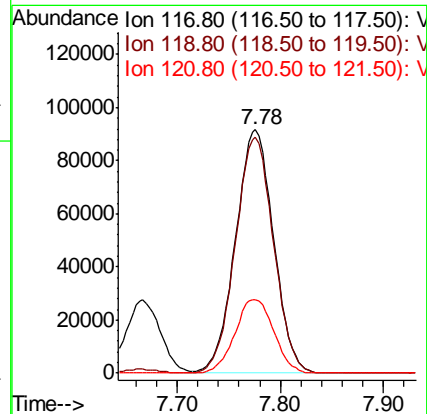
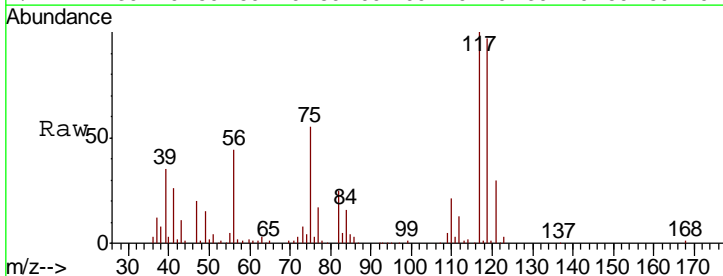
Tgt Ion	Resp	Lower	Upper
43	146734		
61	14.3	12.0	18.0
70	10.9	8.5	12.7

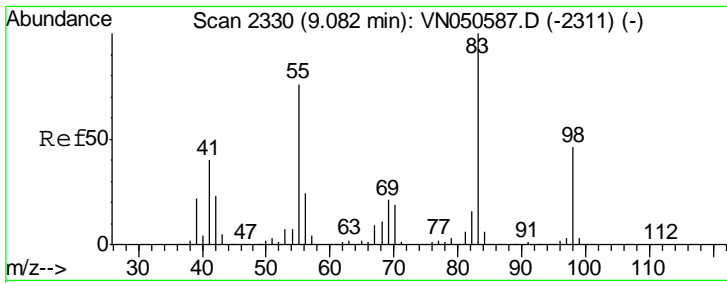
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#38
Carbon Tetrachloride
Concen: 19.60 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
117	235763		
119	97.2	76.6	115.0
121	30.0	25.0	37.6



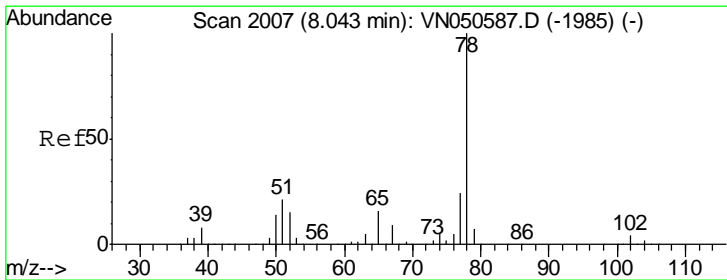
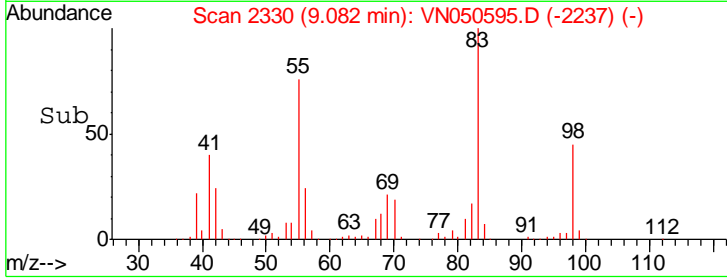
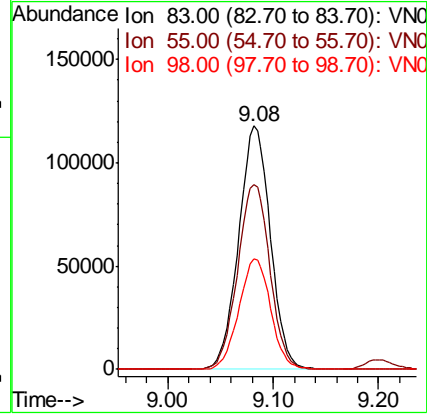
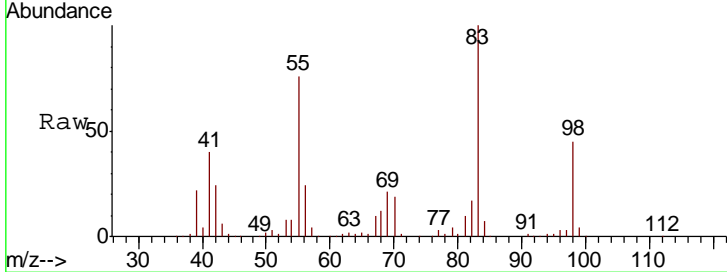


#39
 Methylcyclohexane
 Concen: 20.44 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

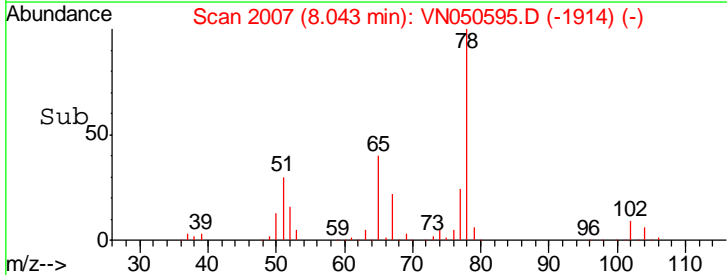
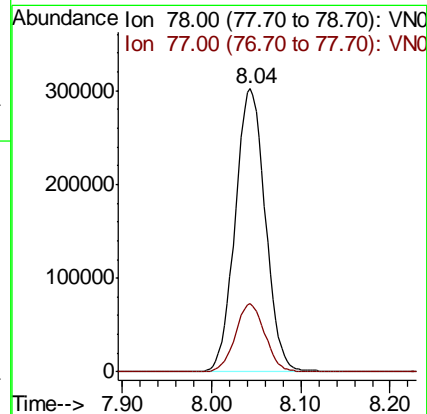
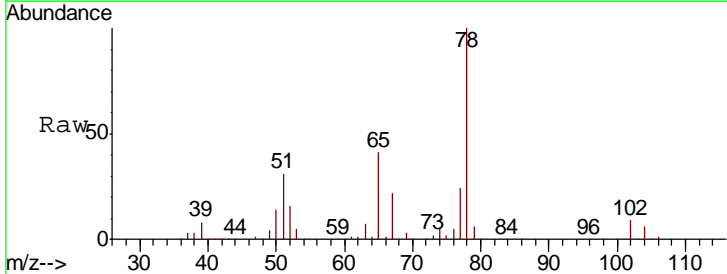
Tgt Ion	Resp	Lower	Upper
83	100		
55	75.9	60.6	91.0
98	45.2	37.0	55.4

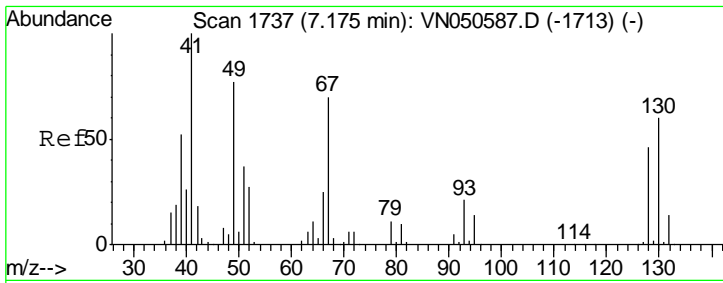
Manual Integrations
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#40
 Benzene
 Concen: 20.07 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

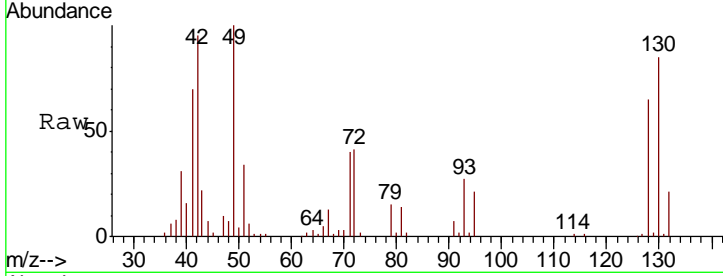
Tgt Ion	Resp	Lower	Upper
78	100		
77	23.9	19.0	28.6





#41
 Methacrylonitrile
 Concen: 28.45 ug/l m
 RT: 7.20 min Scan# 1745
 Delta R.T. 0.03 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

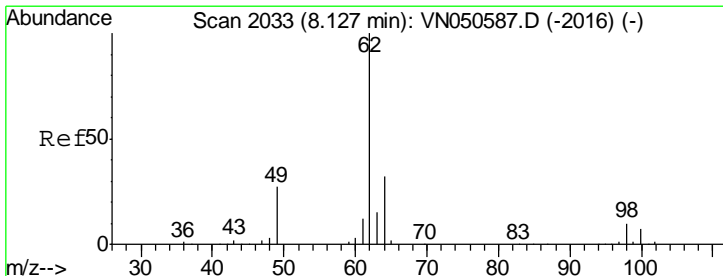
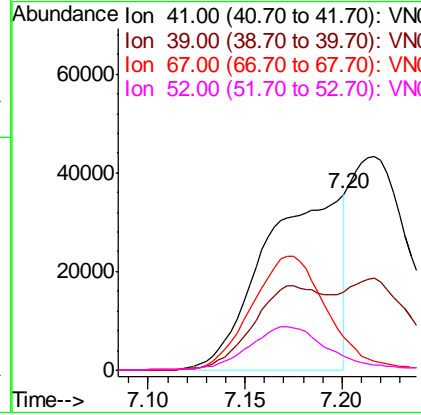
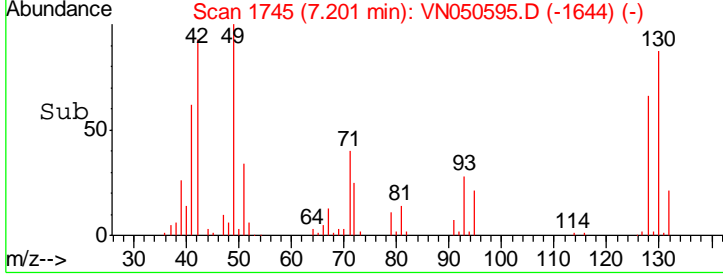
Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01



Tgt Ion: 41 Resp: 100813

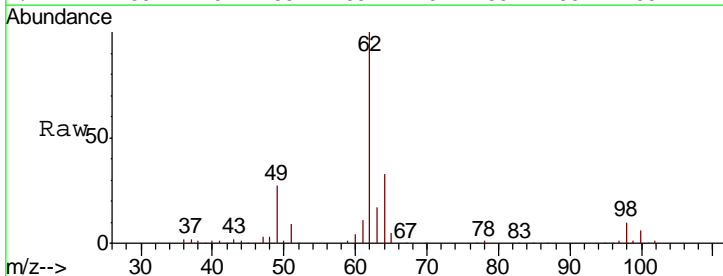
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	66.8#
67	0.0	66.7	100.1#
52	0.0	26.5	39.7#

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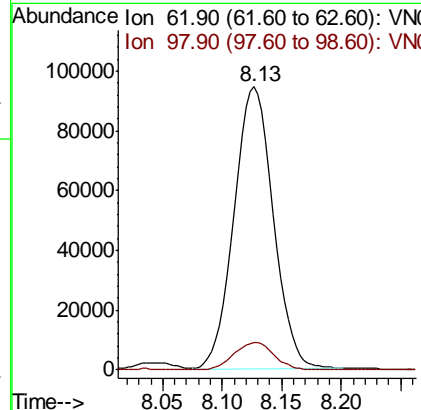
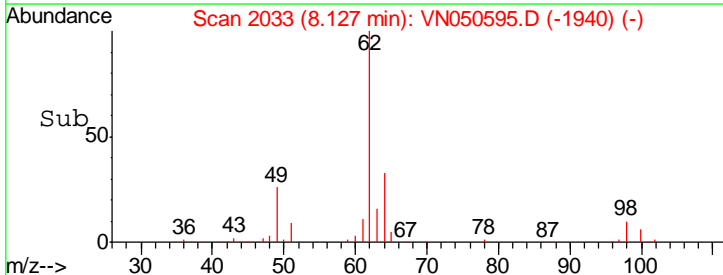
#42
 1,2-Dichloroethane
 Concen: 20.01 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

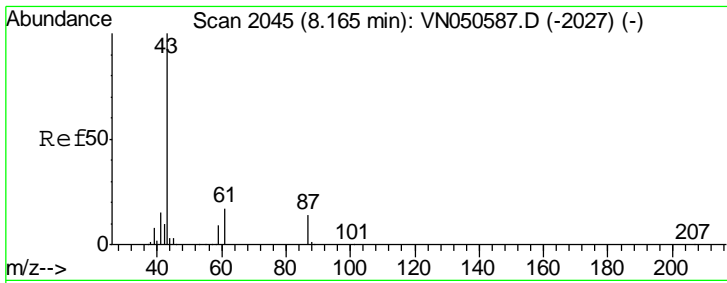
1
2
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11
12
13
14
15
16



Tgt Ion: 62 Resp: 216369

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4





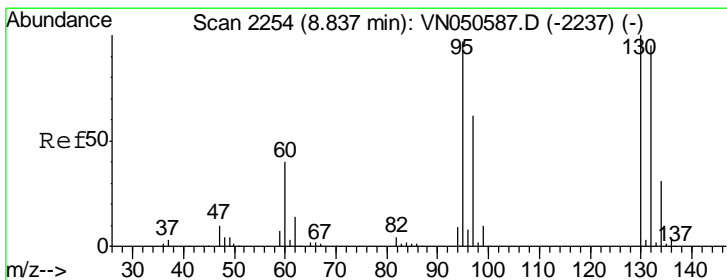
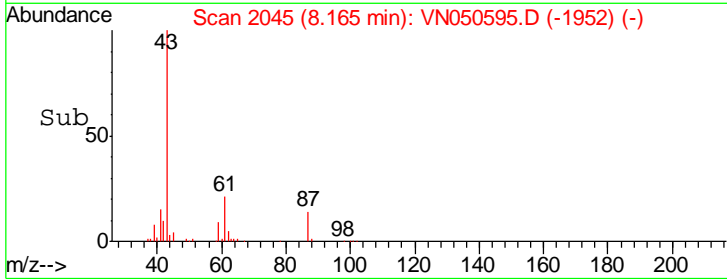
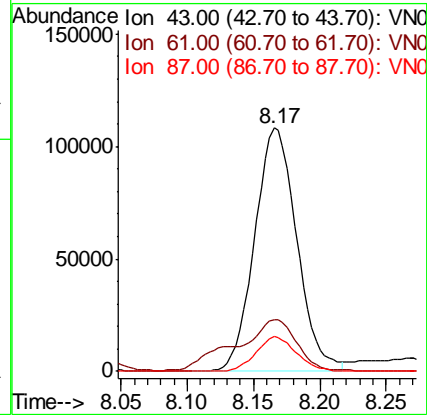
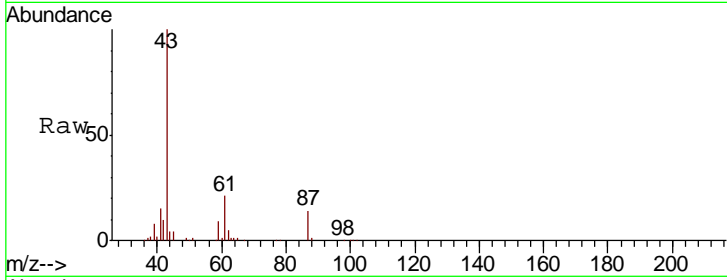
#43
 Isopropyl Acetate
 Concen: 20.12 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tgt Ion	Resp	Lower	Upper
43	100		
61	30.4	16.2	24.2#
87	13.7	10.9	16.3

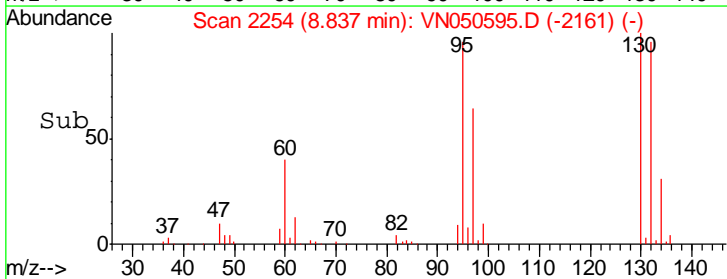
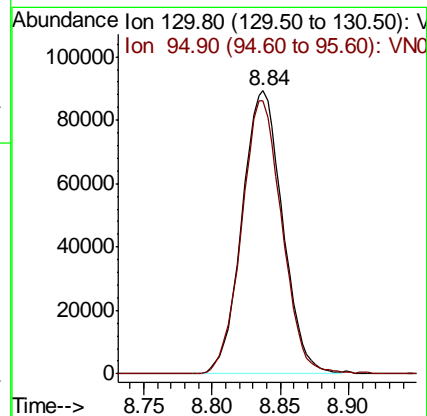
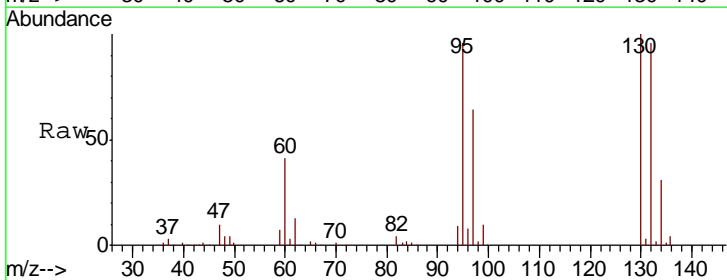
Manual Integrations
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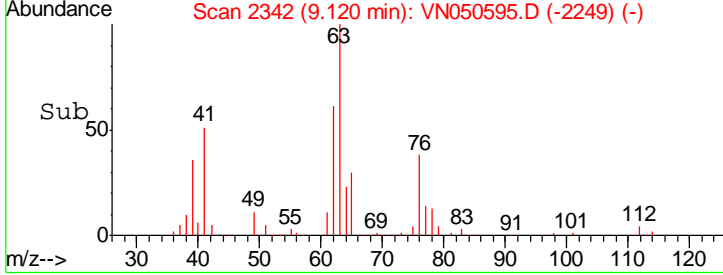
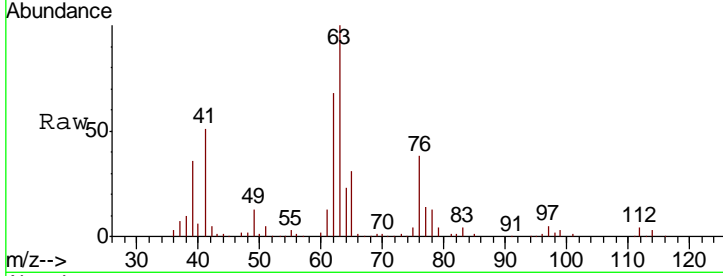
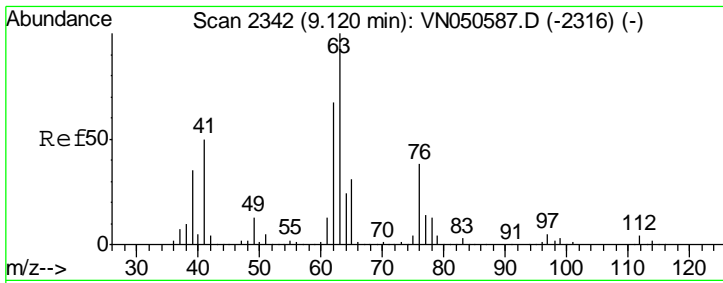
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 8/15/2018 3:31:25 PM



#44
 Trichloroethene
 Concen: 19.50 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.4	0.0	193.8



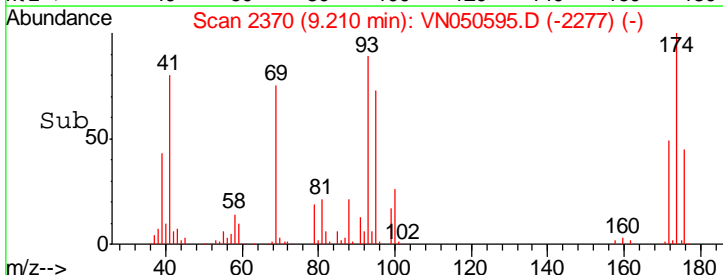
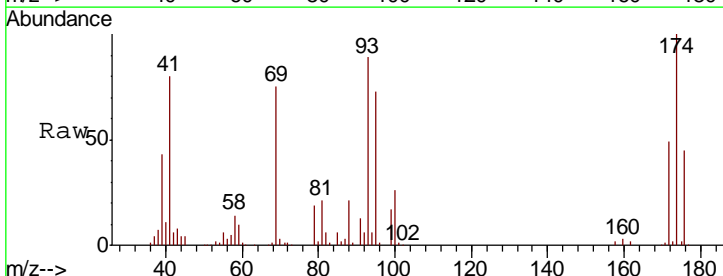
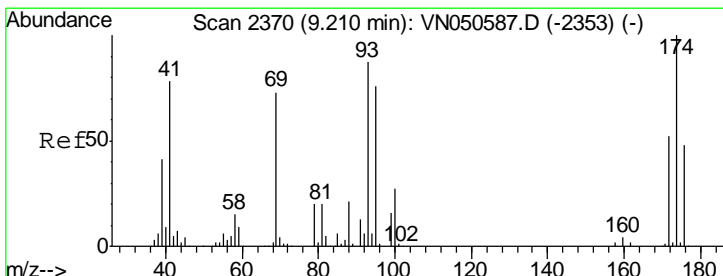
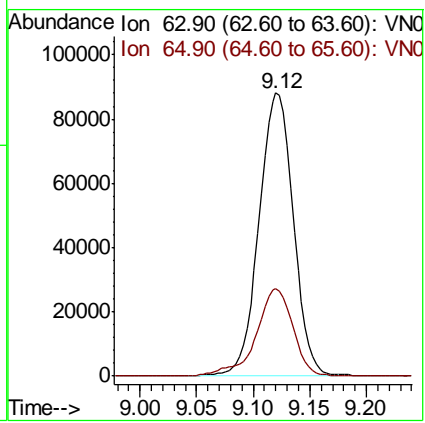


#45
 1,2-Dichloropropane
 Concen: 19.78 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion: 63 Resp: 185795
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.5 36.7

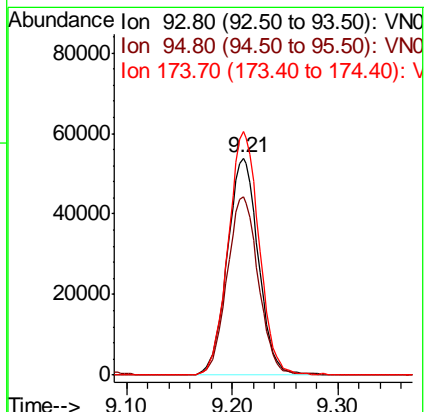
Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

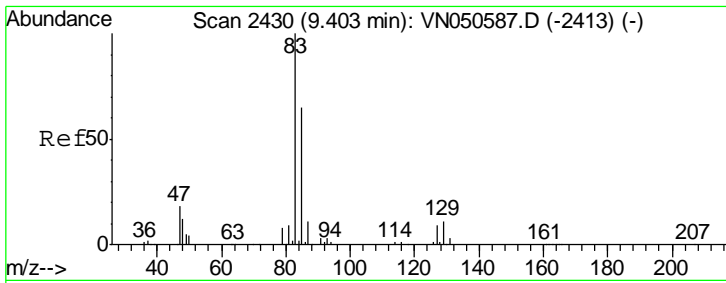
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#46
 Dibromomethane
 Concen: 19.78 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion: 93 Resp: 109679
 Ion Ratio Lower Upper
 93 100
 95 82.4 69.1 103.7
 174 111.5 91.0 136.6





#47

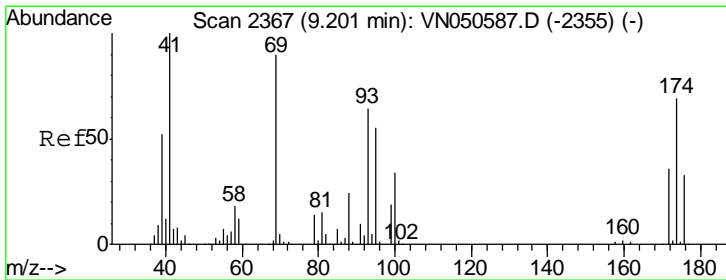
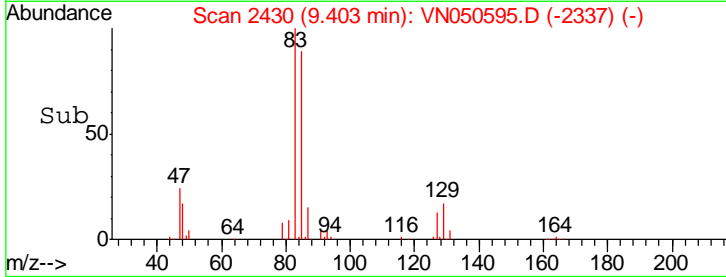
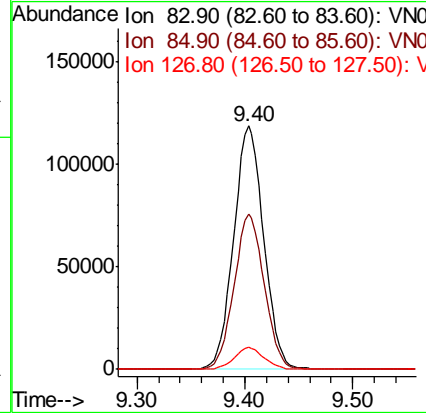
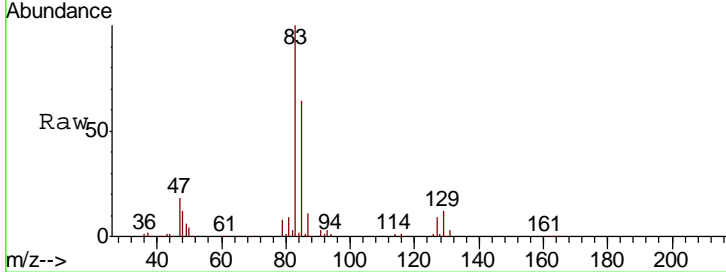
Bromodichloromethane
 Concen: 19.43 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.9	51.8	77.6
127	9.0	7.2	10.8

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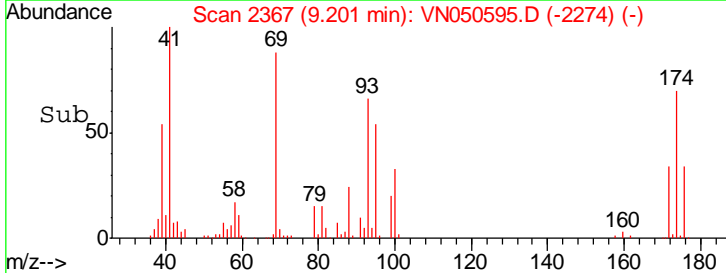
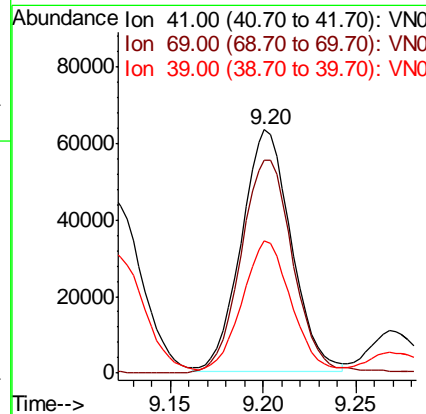
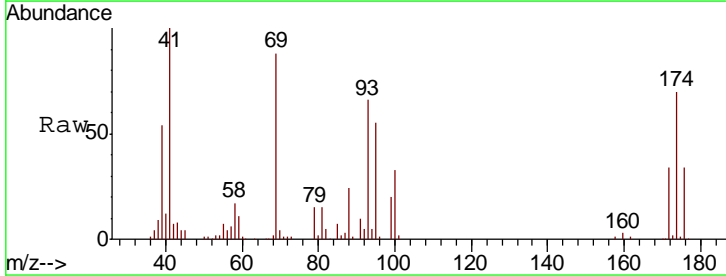
MMDadoda
 8/15/2018 3:31:25 PM

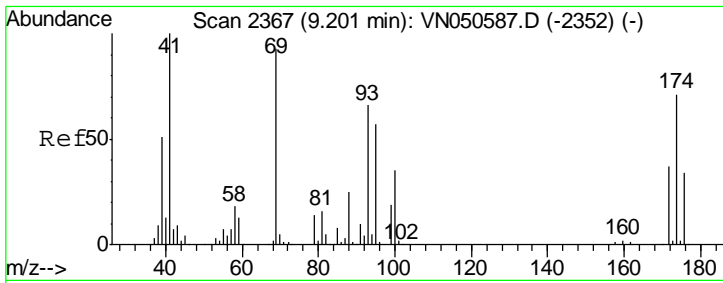


#48

Methyl methacrylate
 Concen: 19.84 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
41	100		
69	91.9	73.4	110.0
39	53.2	43.0	64.6





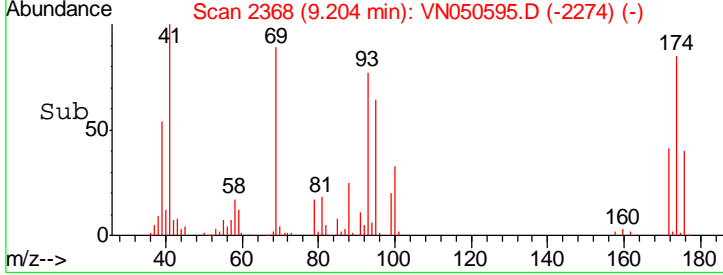
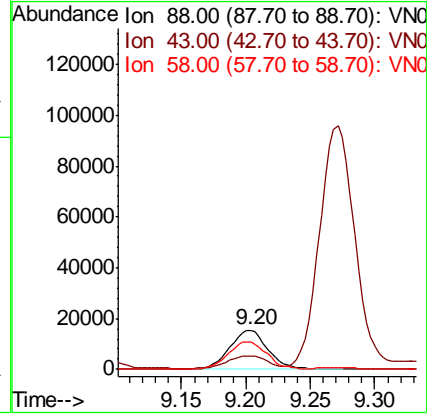
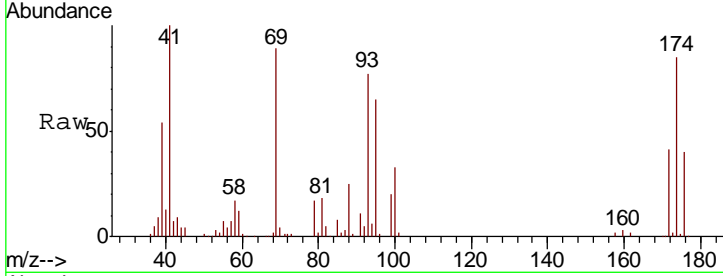
#49
 1,4-Dioxane
 Concen: 399.92 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tgt Ion: 88 Resp: 31665

Ion	Ratio	Lower	Upper
88	100		
43	34.3	25.9	38.9
58	70.9	56.5	84.7

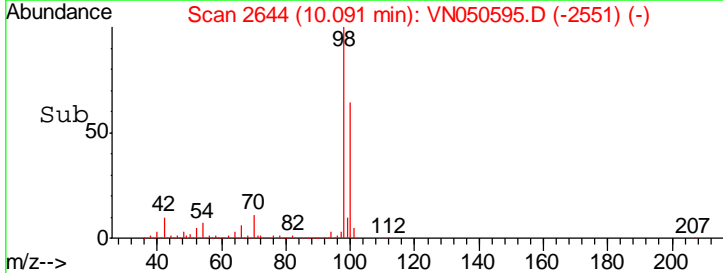
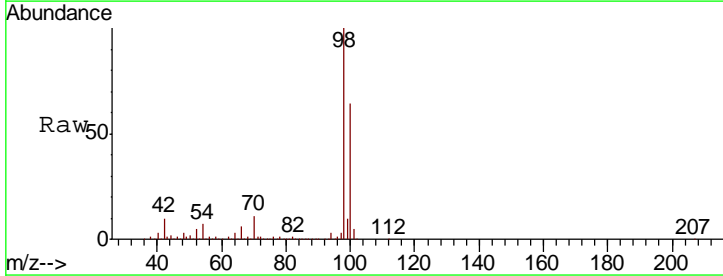
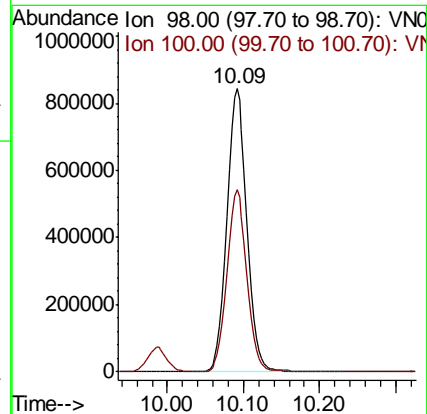
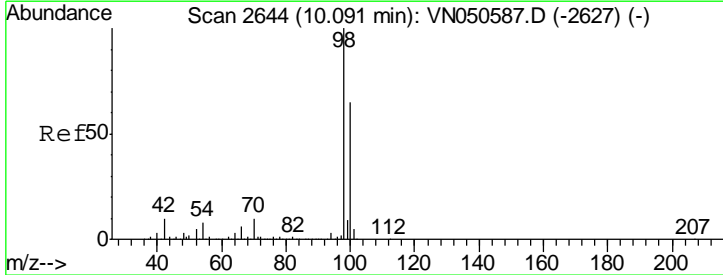
Manual Integrations
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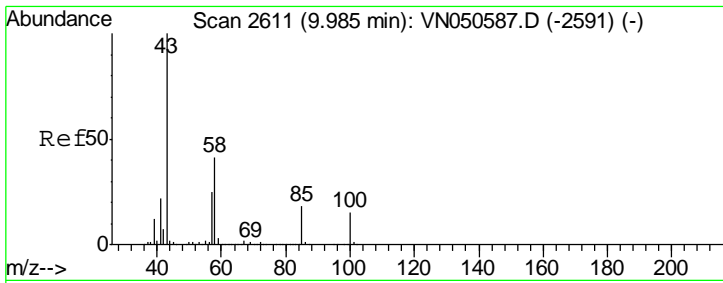


#50
 Toluene-d8
 Concen: 49.23 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion: 98 Resp: 1540710

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8





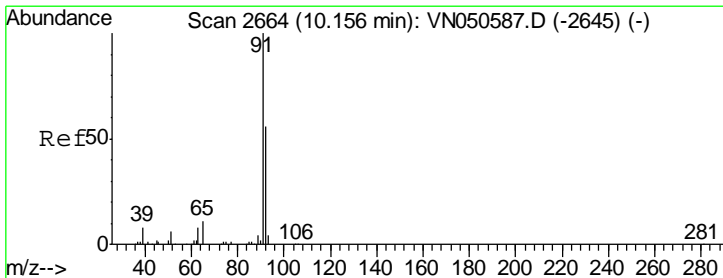
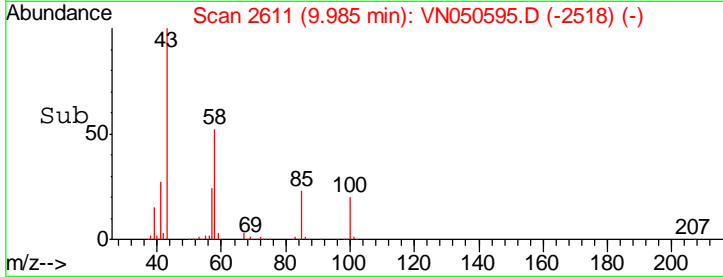
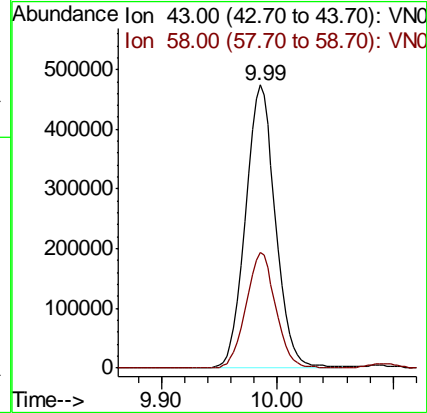
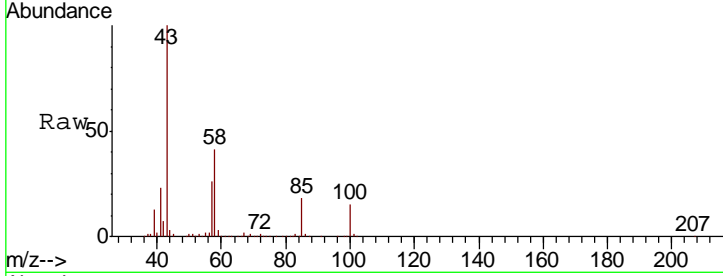
#51
 4-Methyl-2-Pentanone
 Concen: 104.92 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.6	32.5	48.7

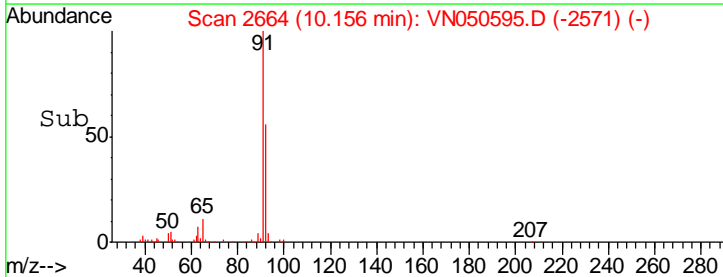
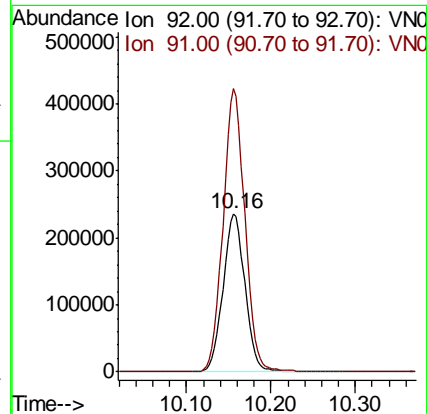
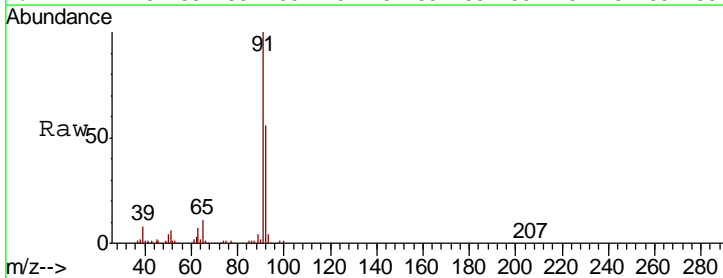
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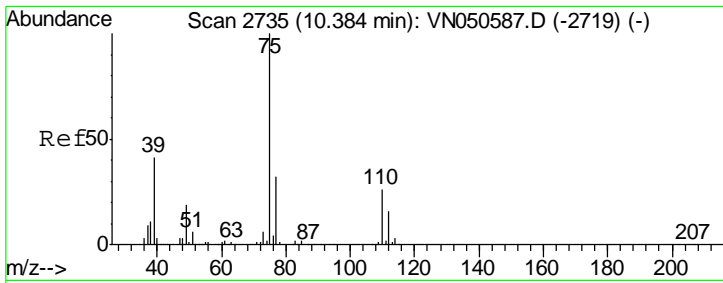
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#52
 Toluene
 Concen: 20.24 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
92	100		
91	178.1	141.9	212.9



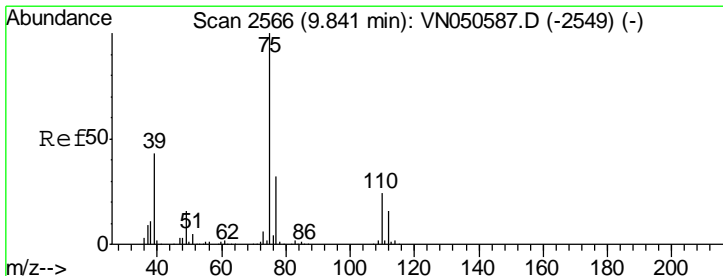
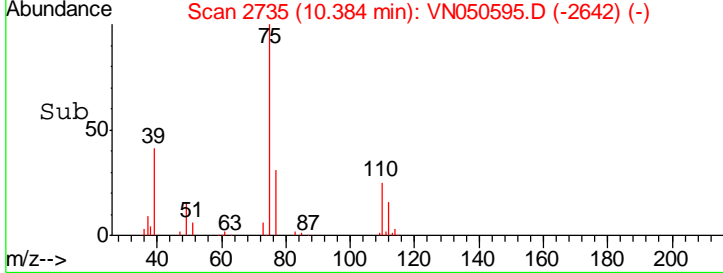
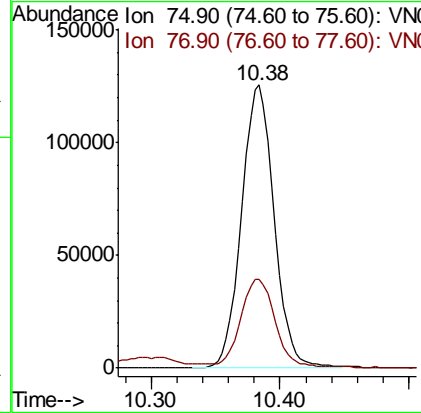
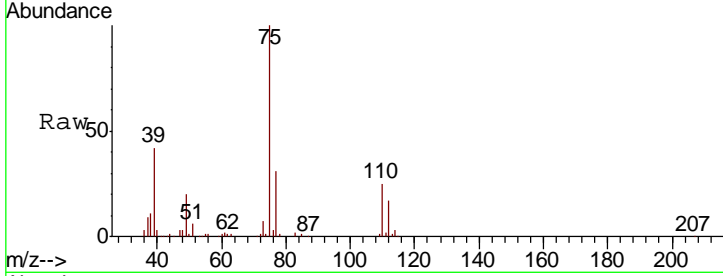


#53
 t-1,3-Dichloropropene
 Concen: 20.03 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

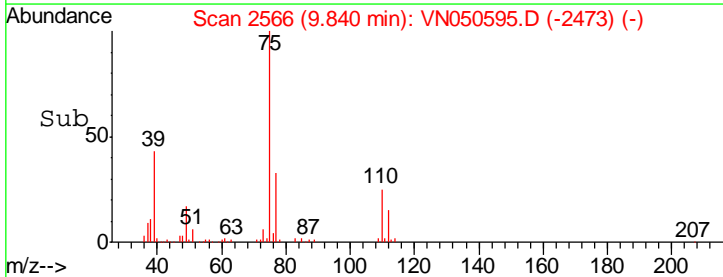
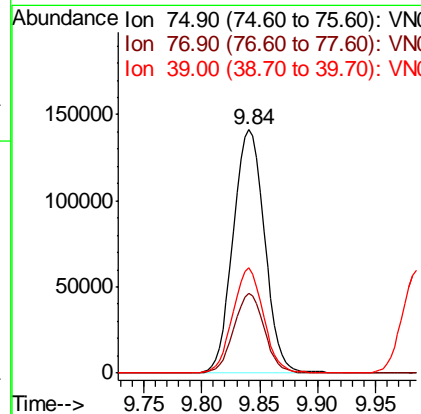
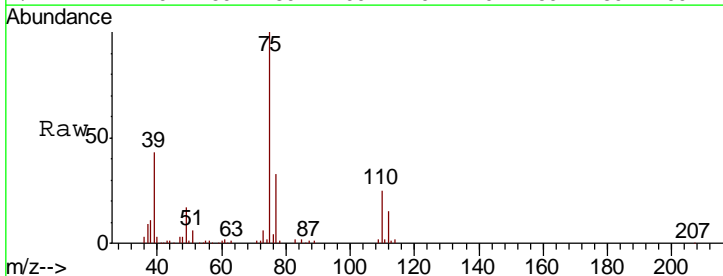
Tgt Ion	Resp	Lower	Upper
75	221157		
75	100		
77	30.9	25.8	38.6

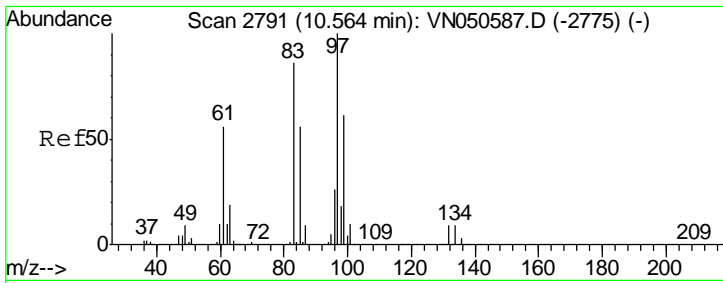
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#54
 cis-1,3-Dichloropropene
 Concen: 21.00 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
75	265975		
75	100		
77	32.6	25.6	38.4
39	43.3	34.4	51.6



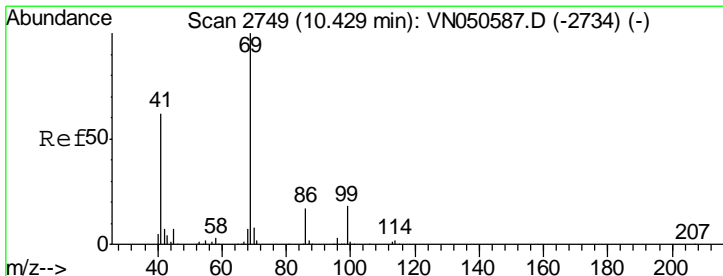
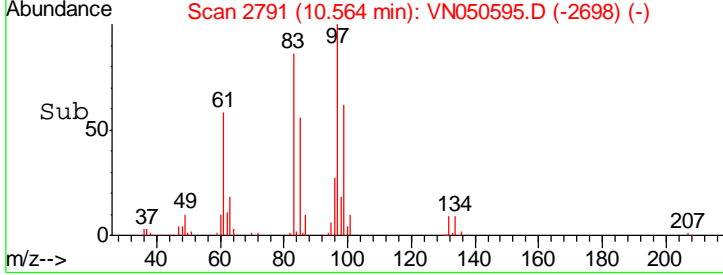
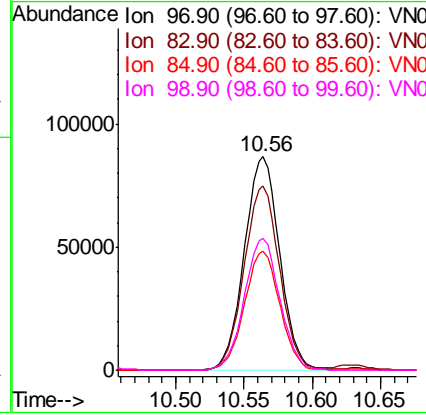
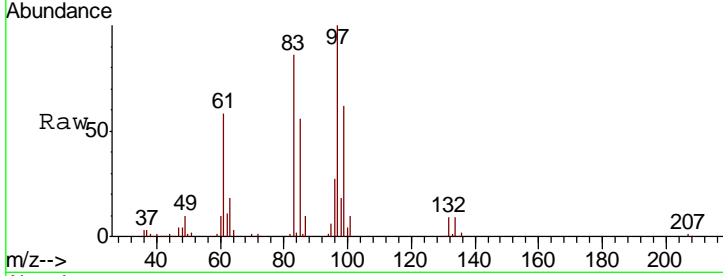


#55
 1,1,2-Trichloroethane
 Concen: 19.93 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

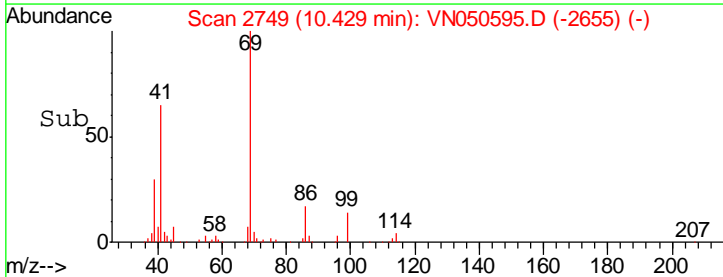
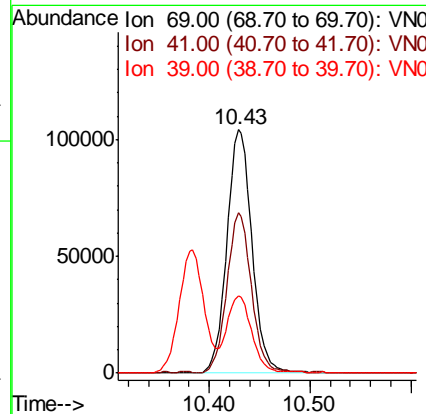
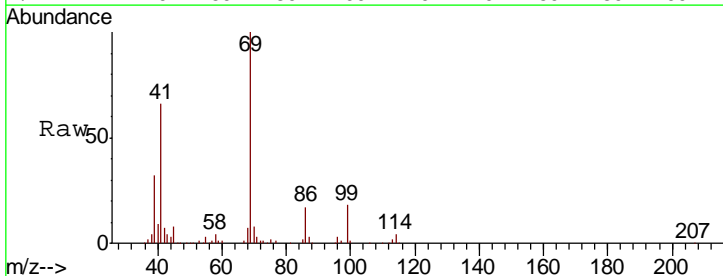
Tgt Ion	Resp	Lower	Upper
97	156799		
97	100		
83	86.1	68.5	102.7
85	55.6	44.6	66.8
99	61.9	49.1	73.7

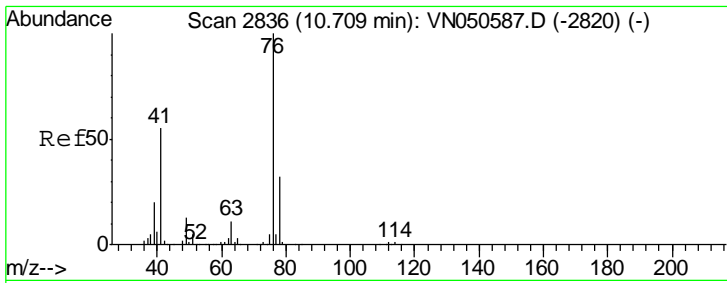
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#56
 Ethyl methacrylate
 Concen: 19.29 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
69	181420		
69	100		
41	63.7	49.7	74.5
39	31.1	24.2	36.2



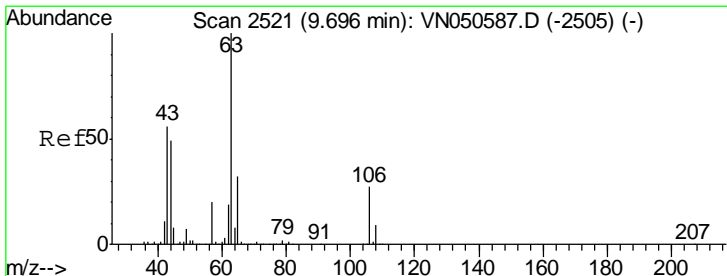
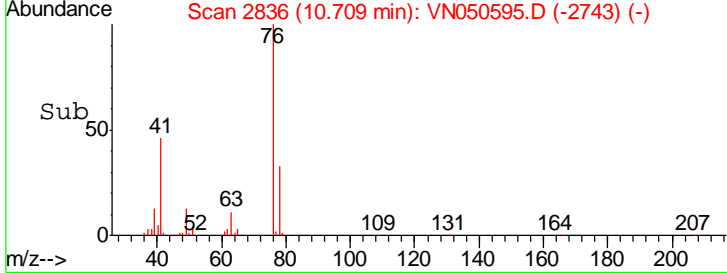
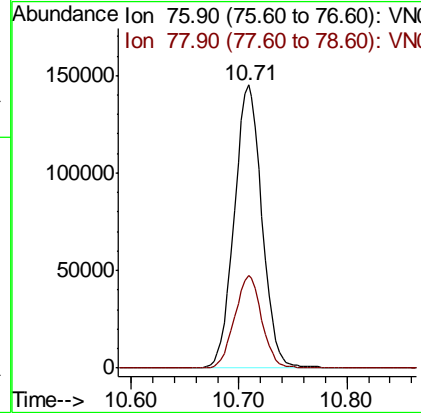
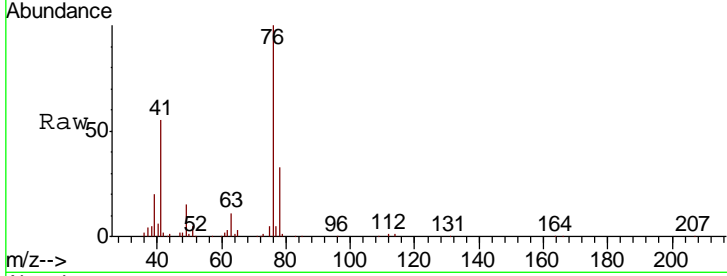


#57
 1,3-Dichloropropane
 Concen: 20.11 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

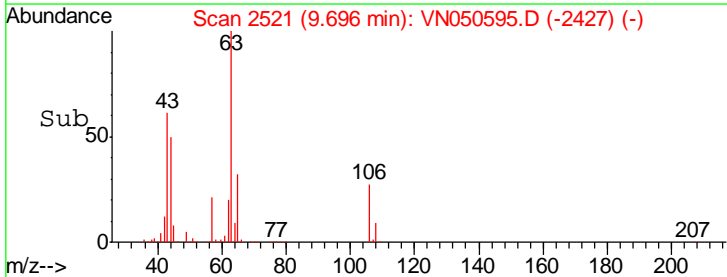
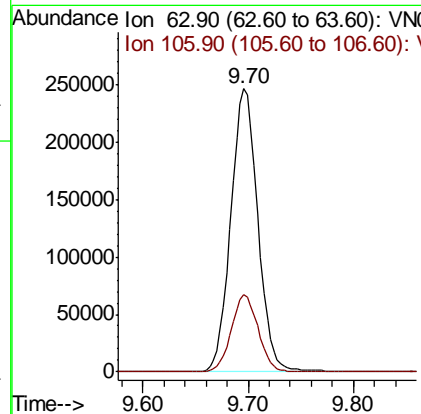
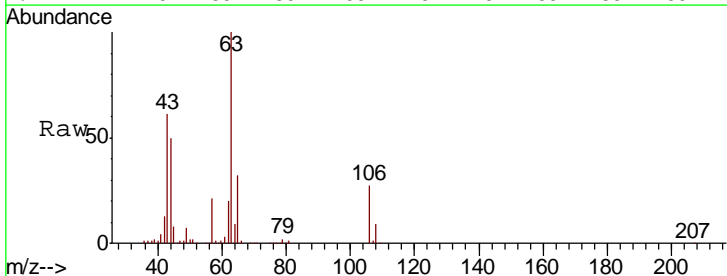
Tgt Ion	Resp	Lower	Upper
76	259458		
76	100		
78	32.2	25.8	38.6

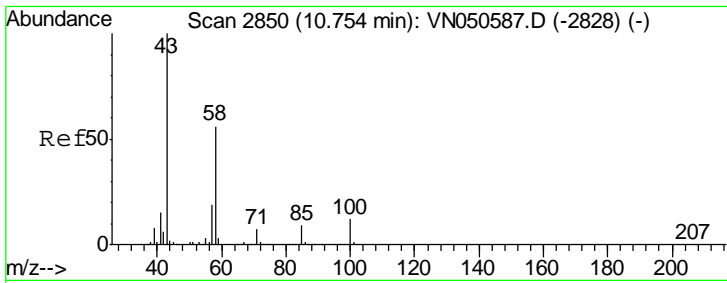
Manual Integrations
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 8/15/2018 3:31:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.61 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
63	437439		
63	100		
106	27.2	21.7	32.5



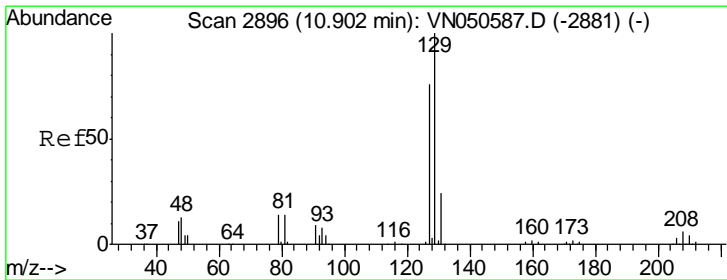
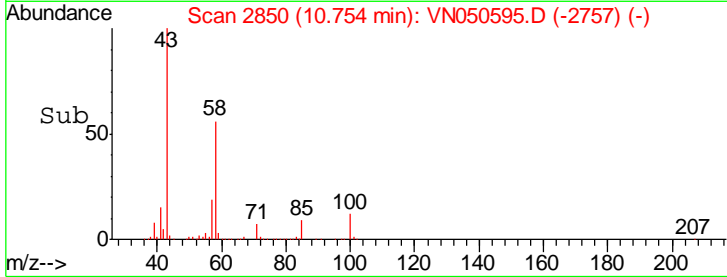
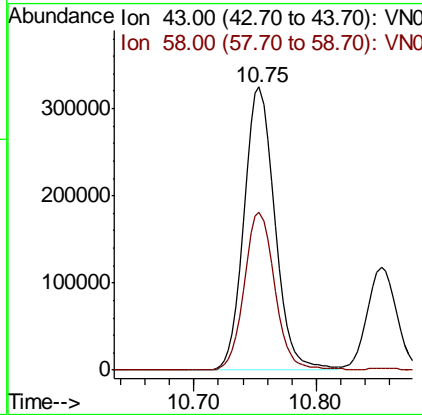
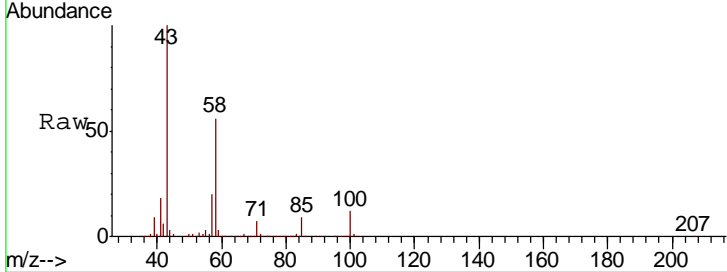


#59
 2-Hexanone
 Concen: 108.19 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

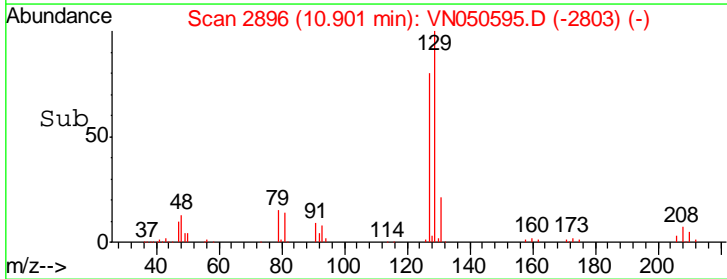
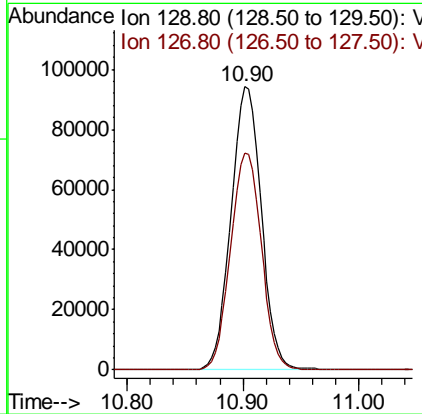
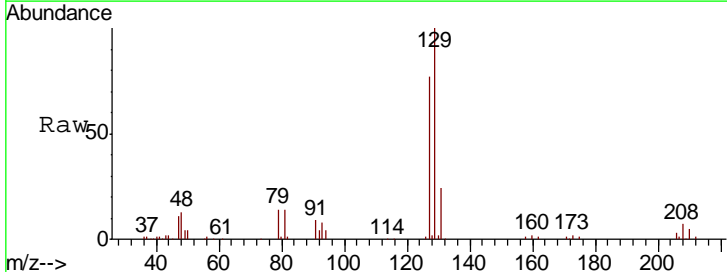
Tgt Ion	Resp	Lower	Upper
43	100		
58	55.3	28.0	84.0

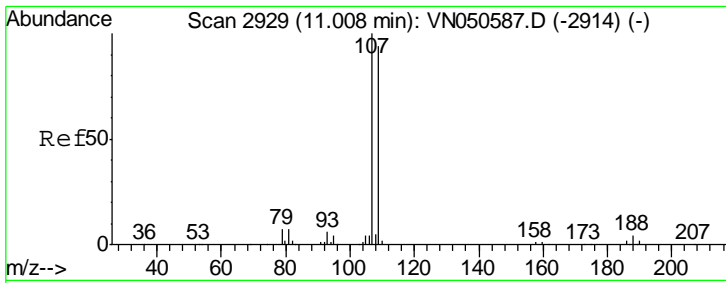
Manual Integrations
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 8/15/2018 3:31:25 PM



#60
 Dibromochloromethane
 Concen: 19.62 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.8	38.9	116.7





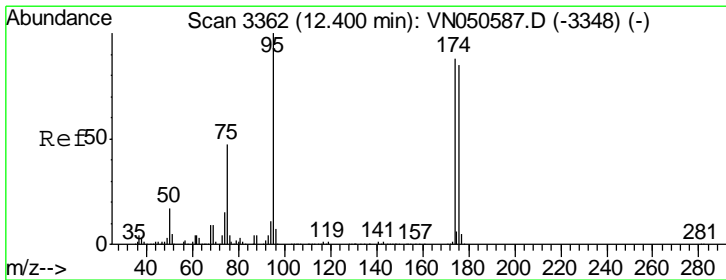
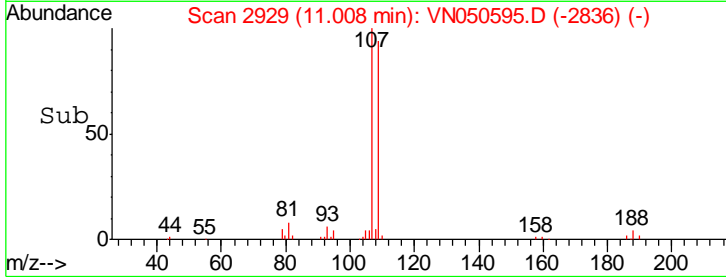
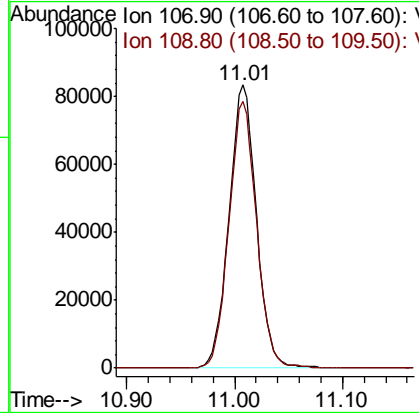
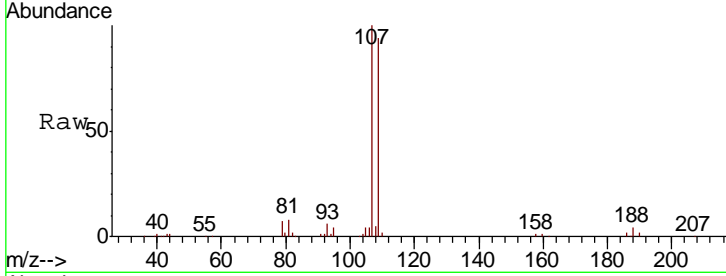
#61
 1,2-Dibromoethane
 Concen: 19.72 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
107	147750		
109	94.8	75.7	113.5

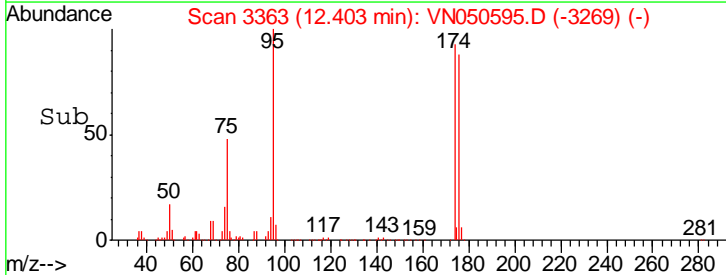
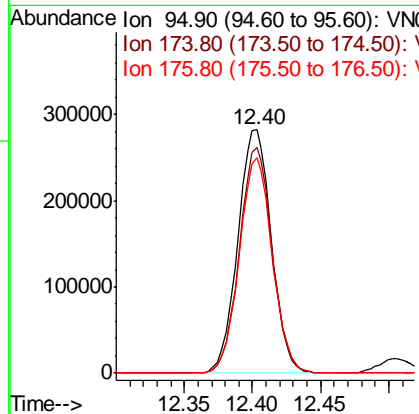
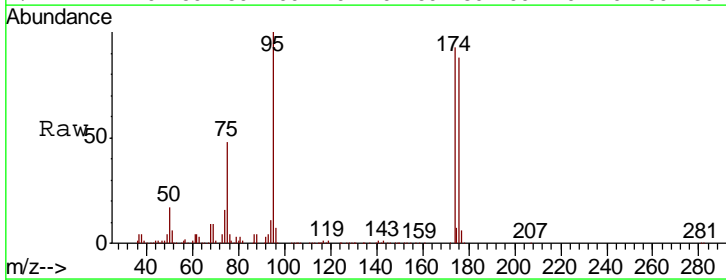
Manual Integrations
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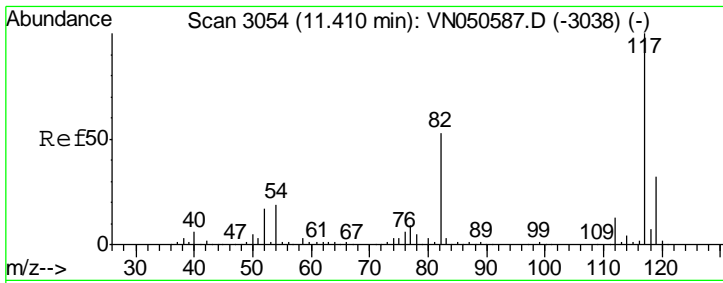
MMDadoda
 8/15/2018 3:31:25 PM



#62
 4-Bromofluorobenzene
 Concen: 46.41 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
95	479897		
174	91.0	0.0	177.8
176	87.1	0.0	175.0



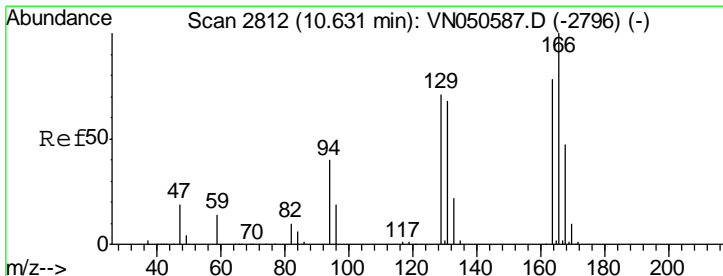
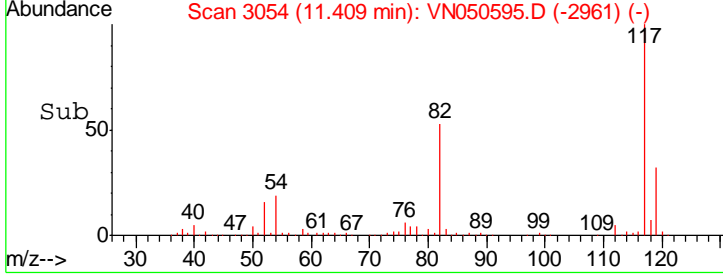
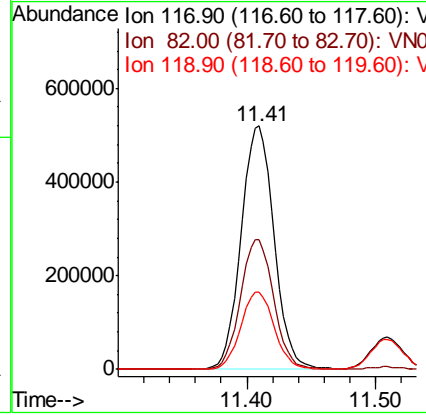
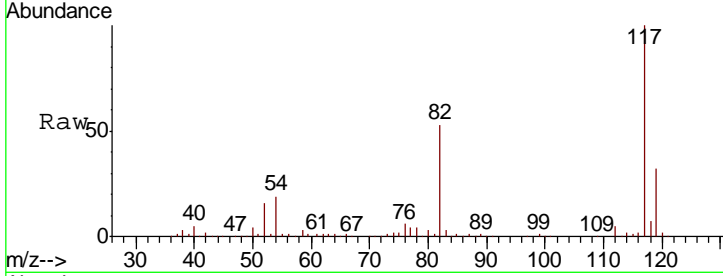


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

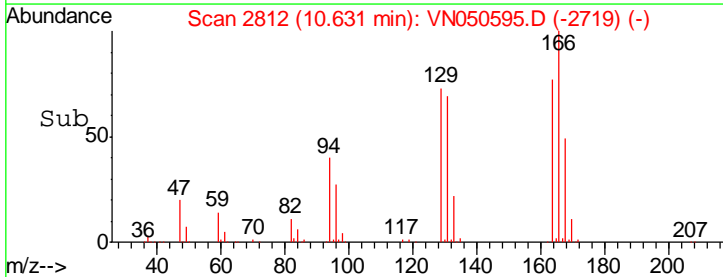
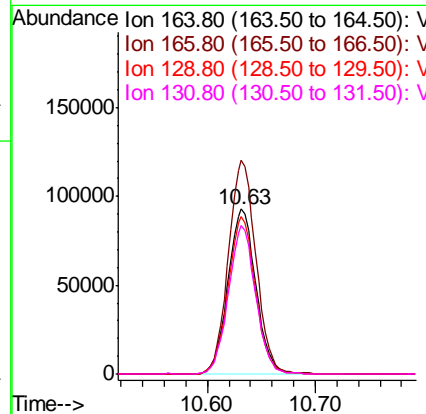
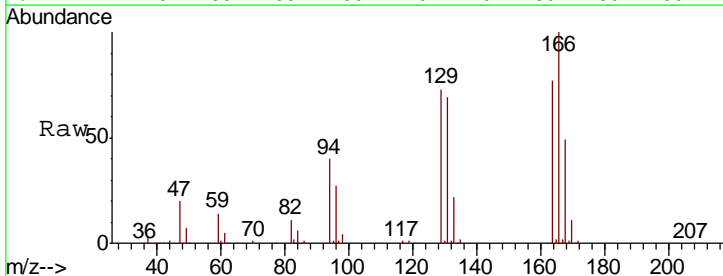
Tgt Ion	Resp	Lower	Upper
117	100		
82	53.0	42.4	63.6
119	31.9	25.8	38.8

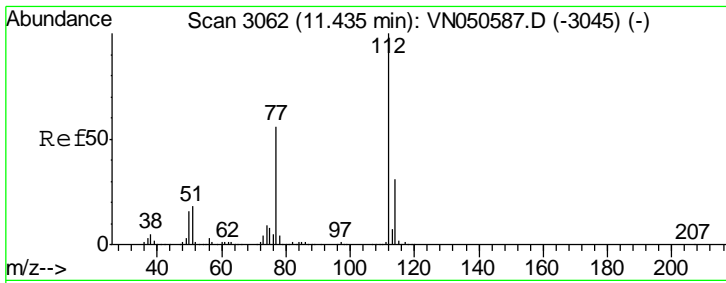
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#64
 Tetrachloroethene
 Concen: 19.51 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
164	100		
166	129.5	102.1	153.1
129	95.1	72.7	109.1
131	89.9	69.9	104.9



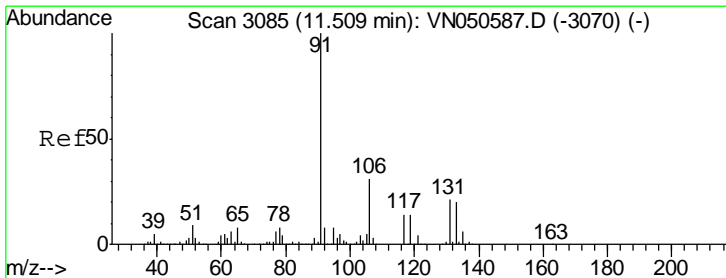
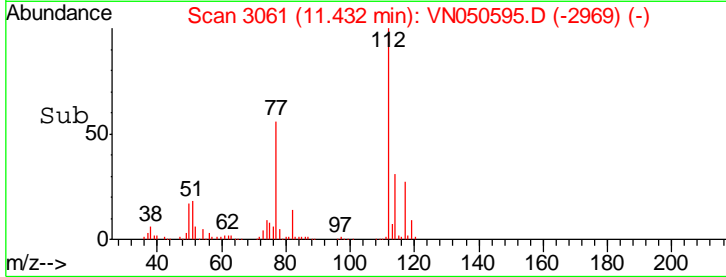
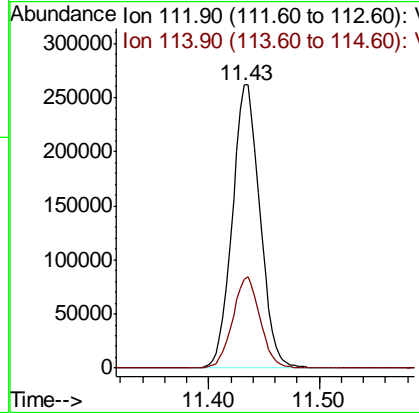
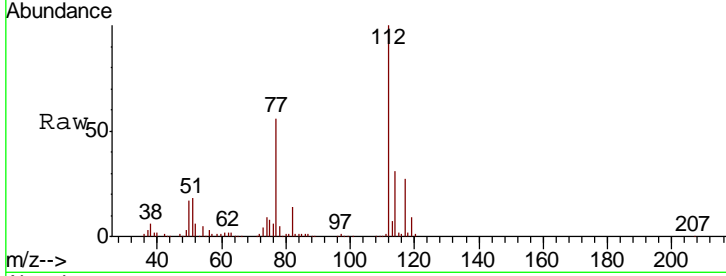


#65
 Chlorobenzene
 Concen: 19.78 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

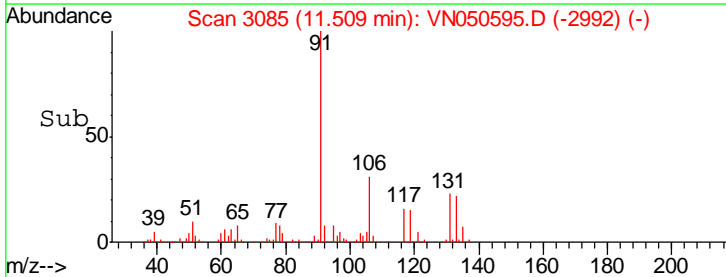
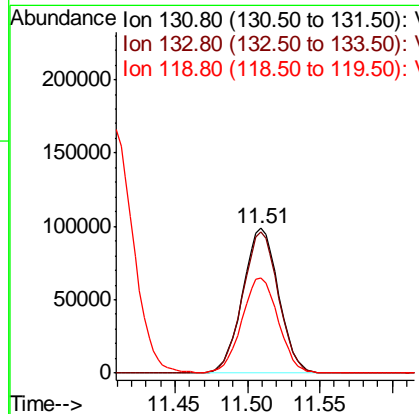
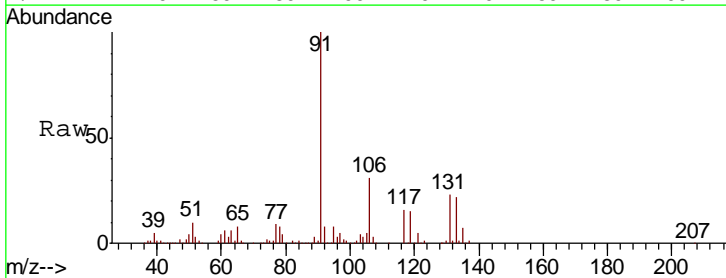
Tgt Ion	Resp	Lower	Upper
112	455240		
114	31.4	25.2	37.8

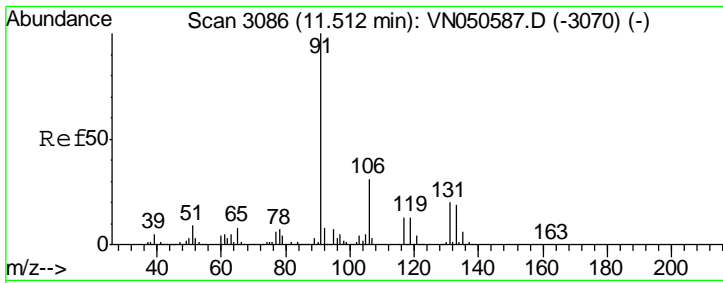
Manual Integrations
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 8/15/2018 3:31:25 PM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.74 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
131	170323		
133	97.1	47.6	142.9
119	66.7	33.1	99.3





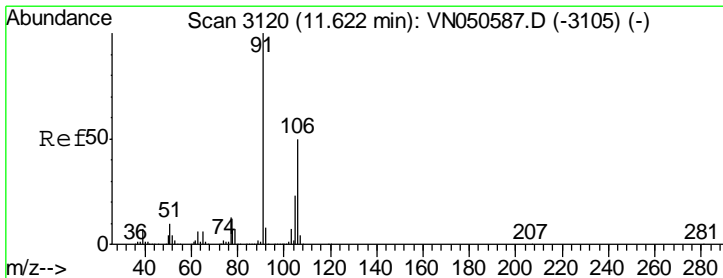
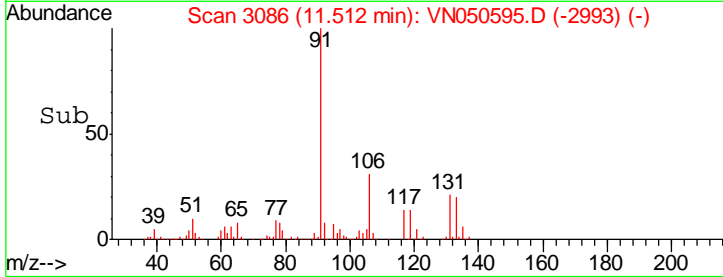
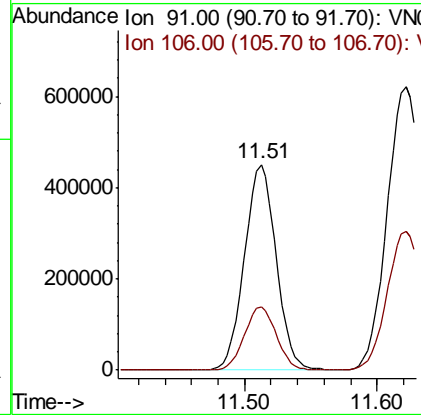
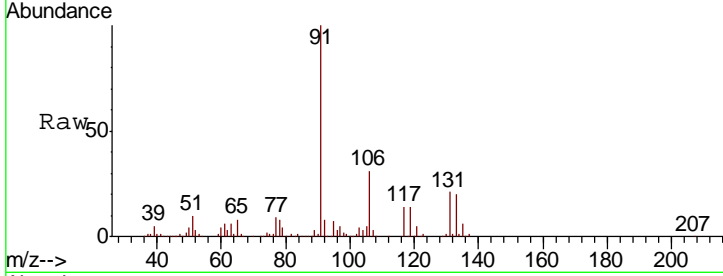
#67
Ethyl Benzene
Concen: 20.17 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
ClientSampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.9	24.8	37.2

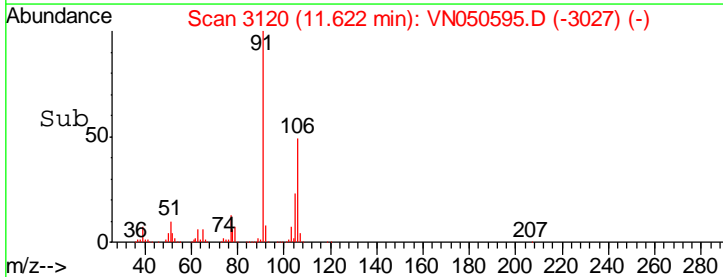
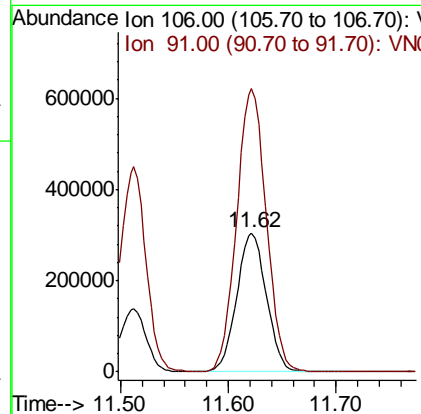
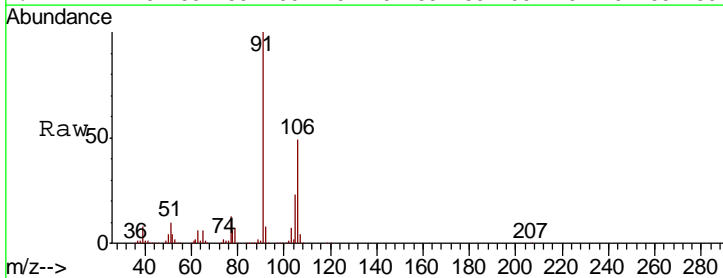
Manual Integrations
APPROVED

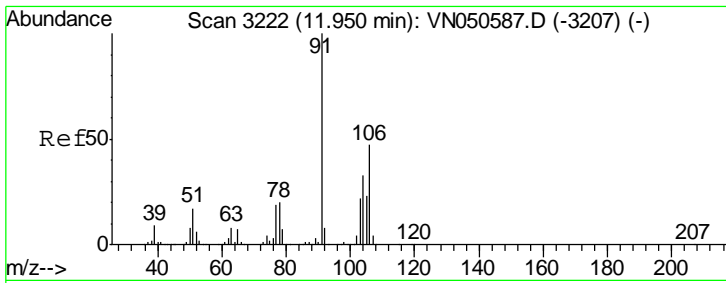
MMDadoda
8/15/2018 3:31:25 PM



#68
m/p-Xylenes
Concen: 41.09 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
106	100		
91	203.3	161.5	242.3



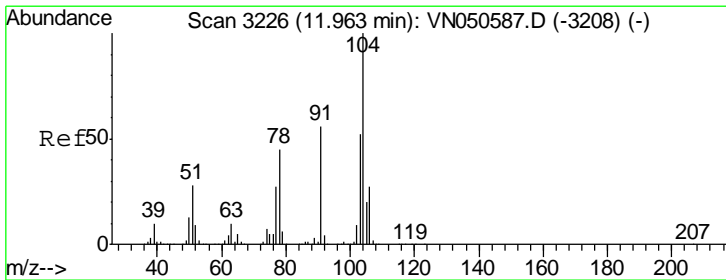
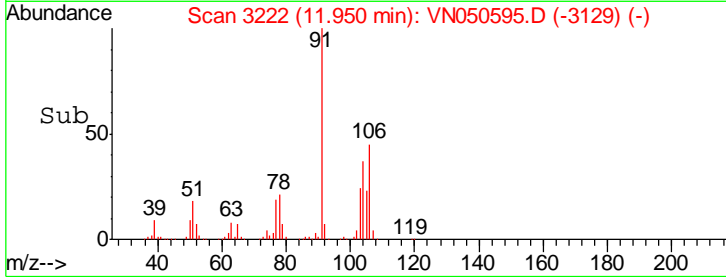
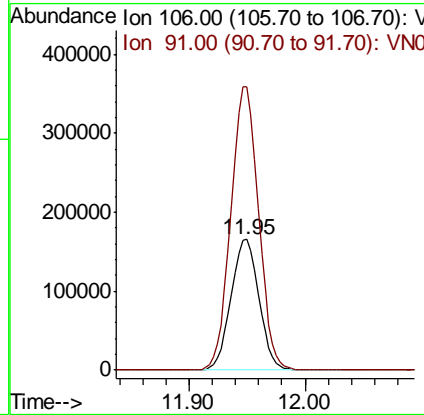
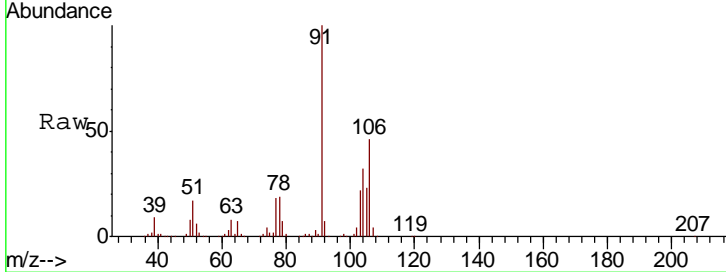


#69
 o-Xylene
 Concen: 20.24 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

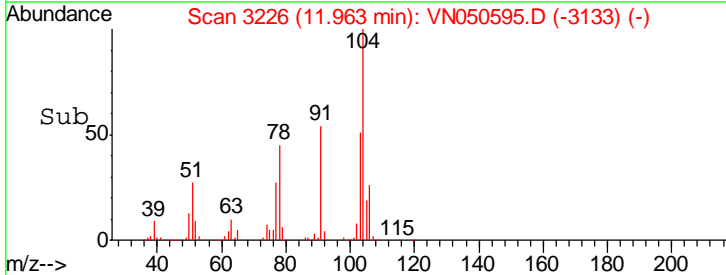
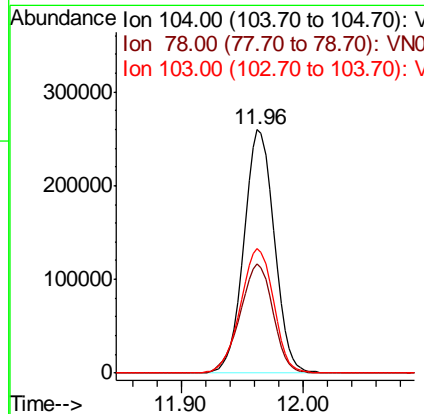
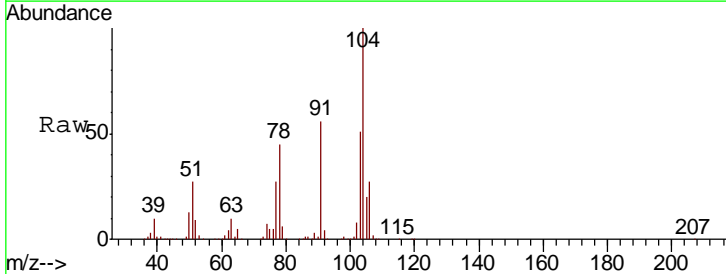
Tgt Ion	Resp	Lower	Upper
106	274279		
106	100		
91	215.2	106.8	320.4

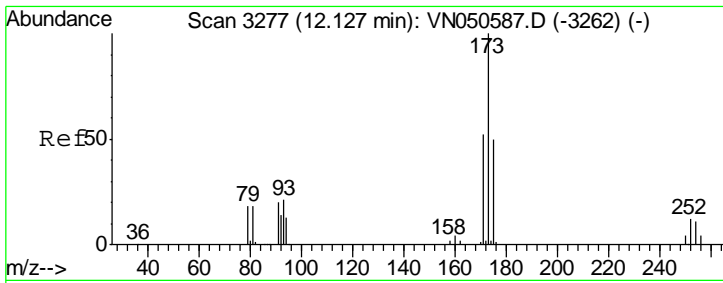
Manual Integrations
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 8/15/2018 3:31:25 PM



#70
 Styrene
 Concen: 19.05 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
104	444909		
104	100		
78	49.0	39.1	58.7
103	56.0	44.9	67.3



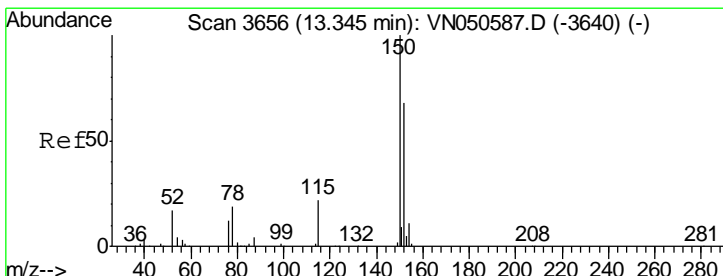
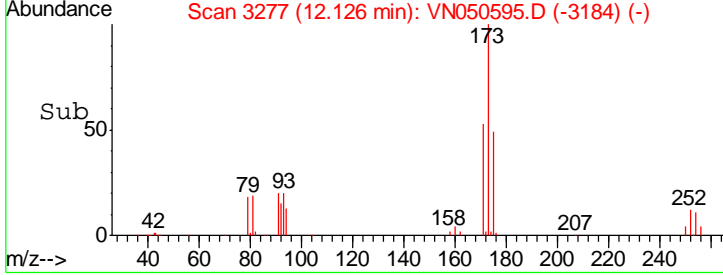
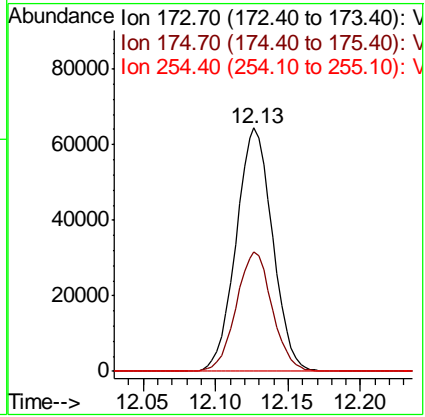
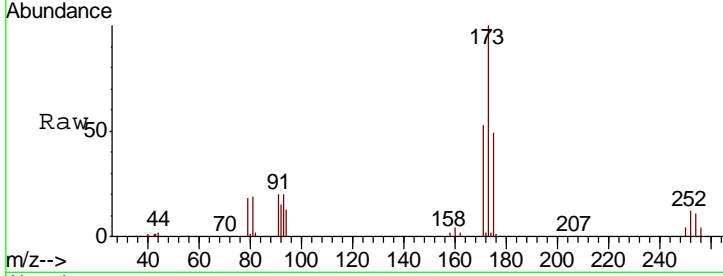


#71
 Bromoform
 Concen: 19.66 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

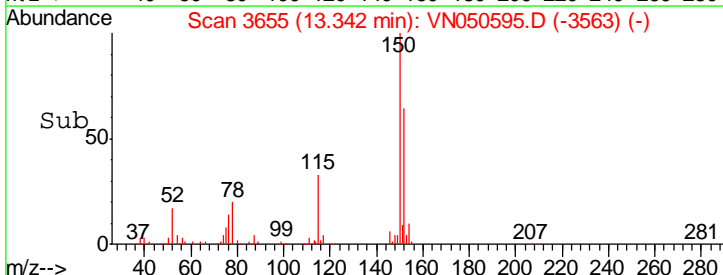
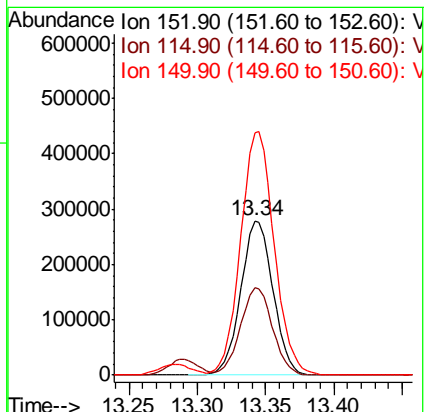
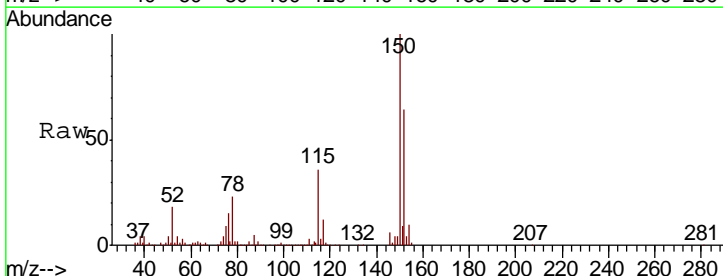
Tgt Ion	Resp	Lower	Upper
173	112475		
175	48.2	24.4	73.2
254	0.0	0.0	0.0

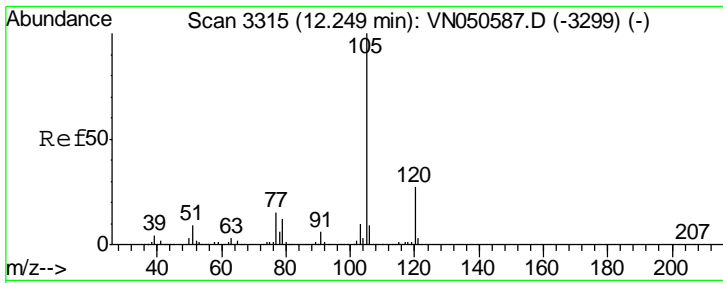
Manual Integrations
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
152	456013		
115	56.7	28.1	84.2
150	164.9	0.0	347.8





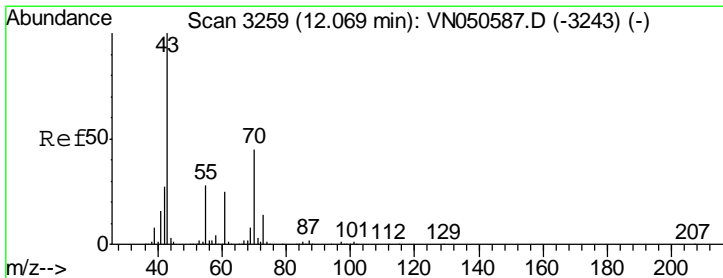
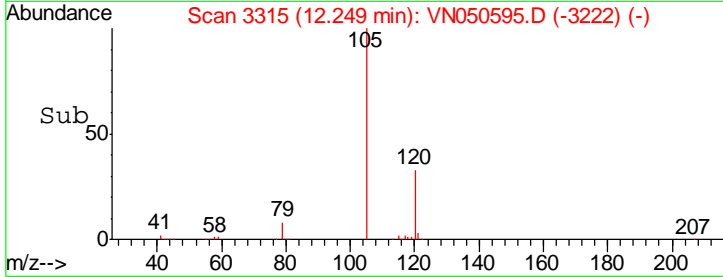
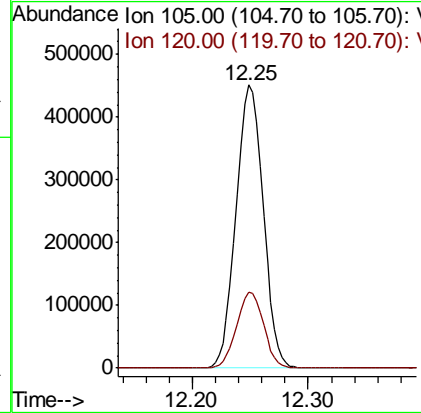
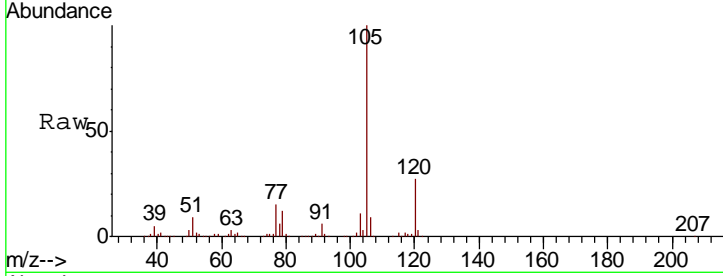
#73
 Isopropylbenzene
 Concen: 20.45 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
105	728690		
120	26.6	13.4	40.1

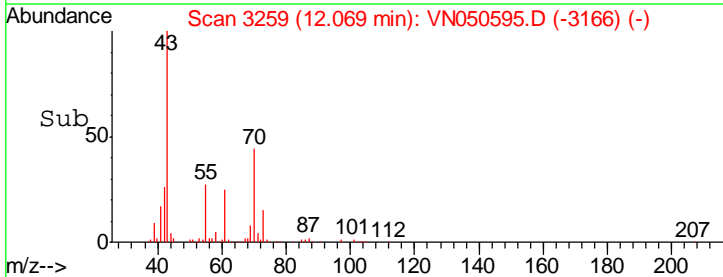
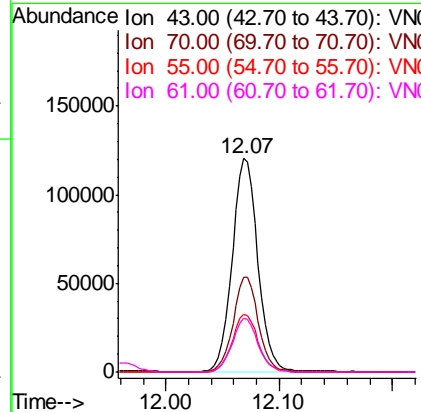
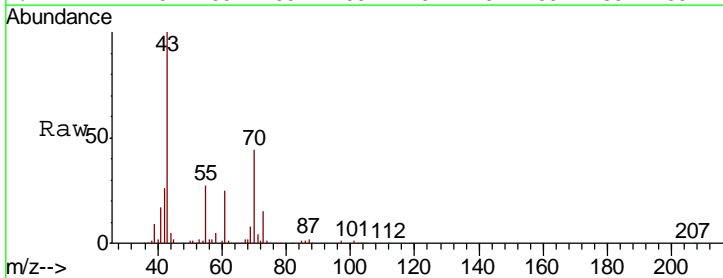
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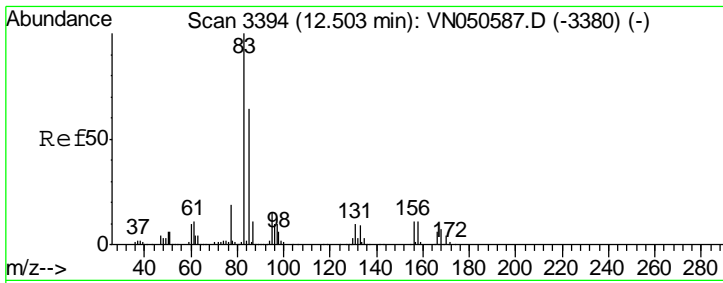
MMDadoda
 8/15/2018 3:31:25 PM



#74
 N-ethyl acetate
 Concen: 20.52 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
43	190171		
70	43.4	35.9	53.9
55	27.3	22.2	33.4
61	25.0	20.0	30.0





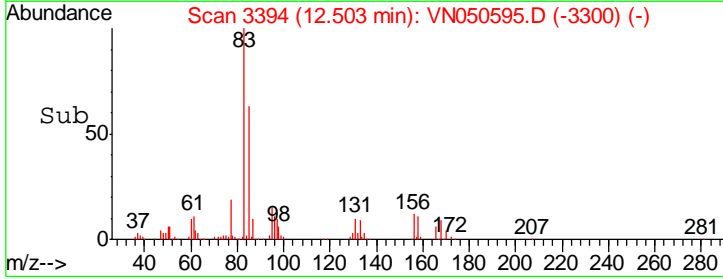
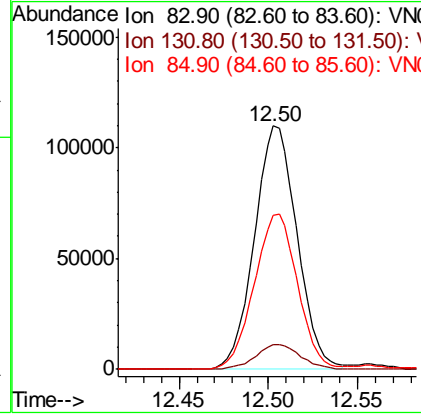
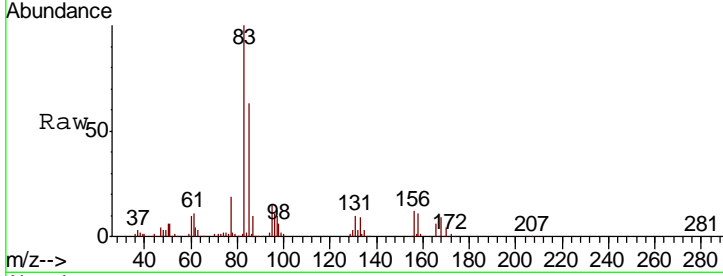
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.84 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampleId : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
83	183634		
131	10.7	5.3	15.9
85	64.8	32.1	96.5

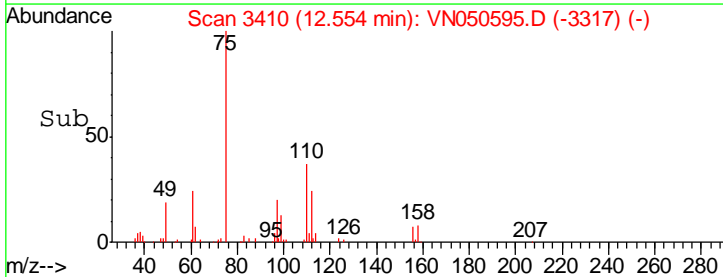
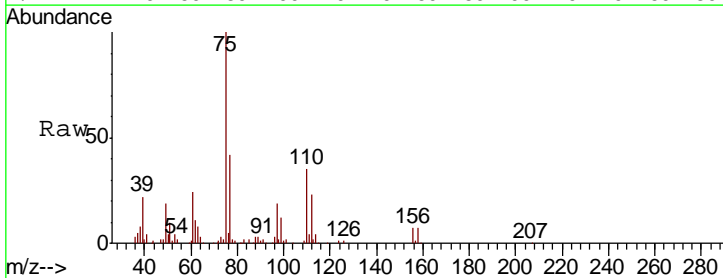
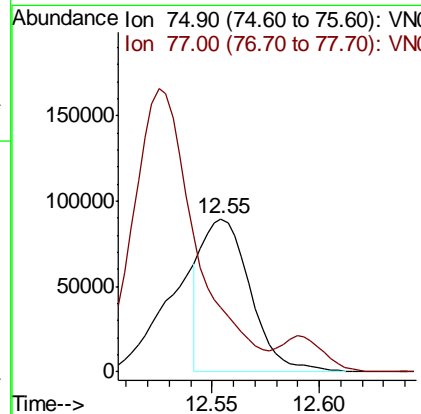
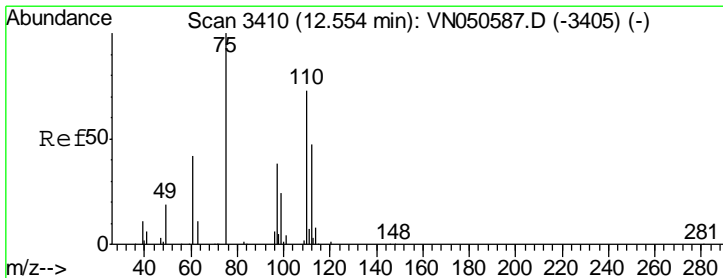
Manual Integrations
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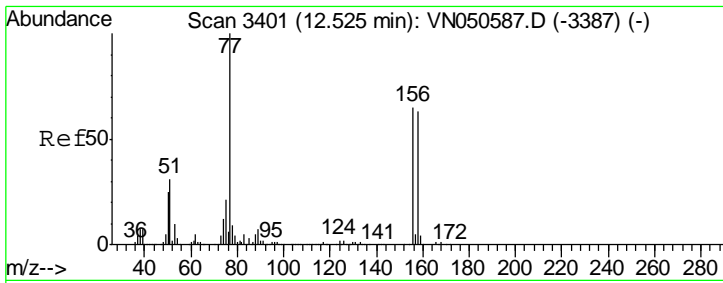
MMDadoda
 8/15/2018 3:31:25 PM



#76
 1,2,3-Trichloropropane
 Concen: 18.68 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
75	142348		
77	0.0	0.0	0.0



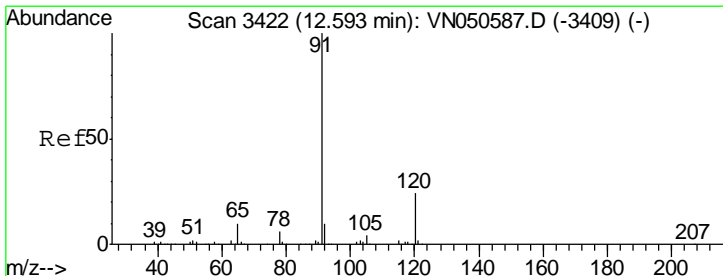
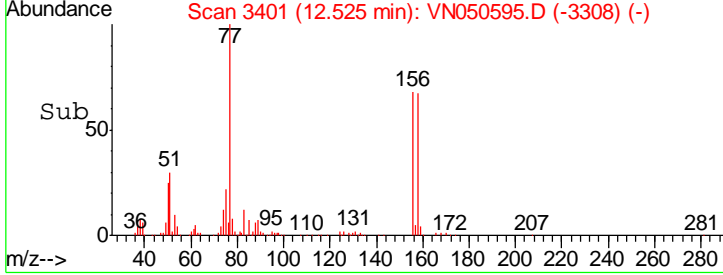
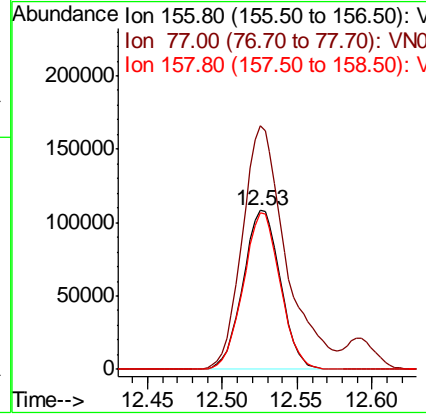
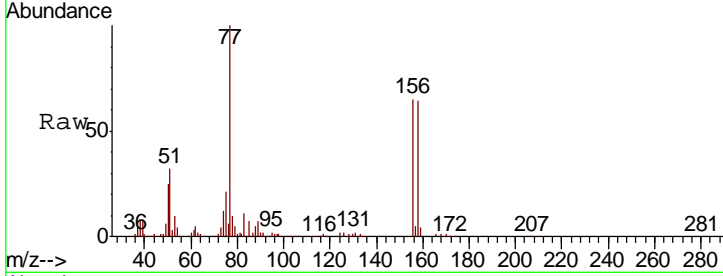


#77
 Bromobenzene
 Concen: 19.45 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

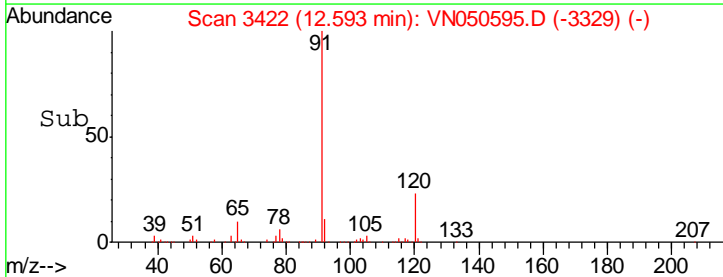
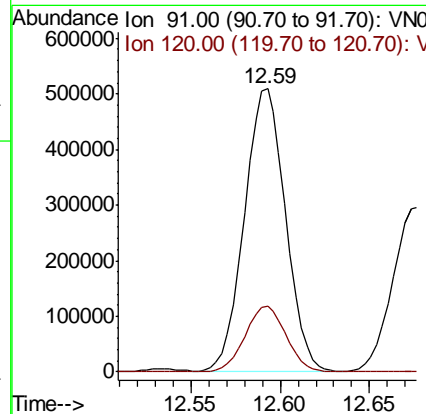
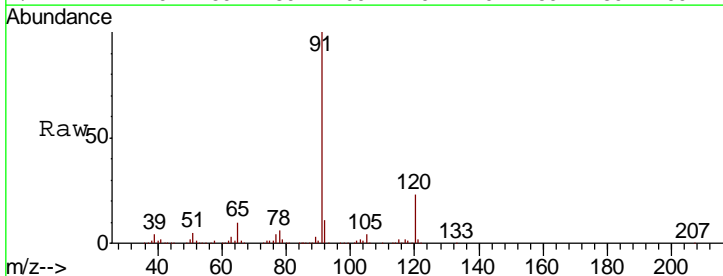
Tgt Ion	Resp	Lower	Upper
156	188131		
77	179.4	89.0	267.1
158	97.3	48.5	145.6

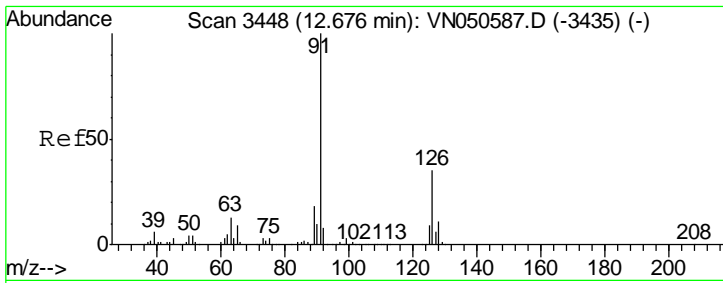
Manual Integrations
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 MMDadoda
 8/15/2018 3:31:25 PM



#78
 n-propylbenzene
 Concen: 20.53 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
91	815566		
120	23.3	11.8	35.4



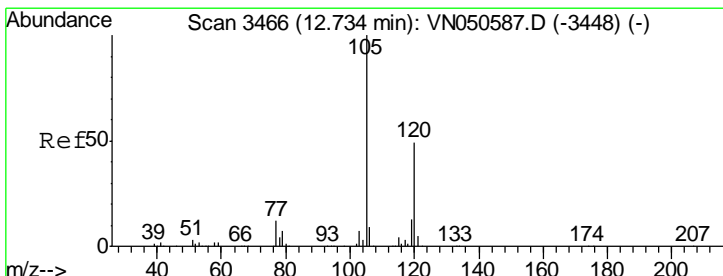
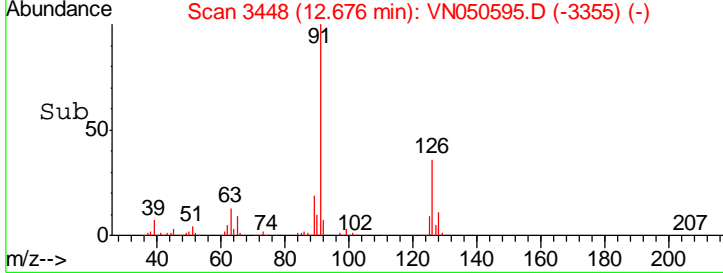
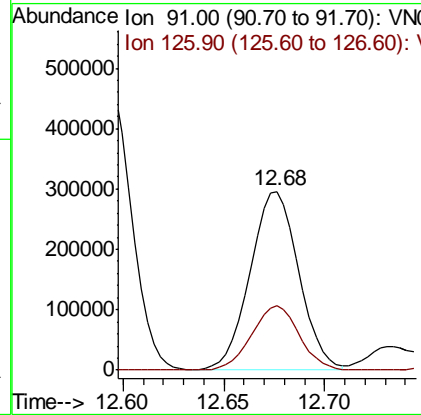
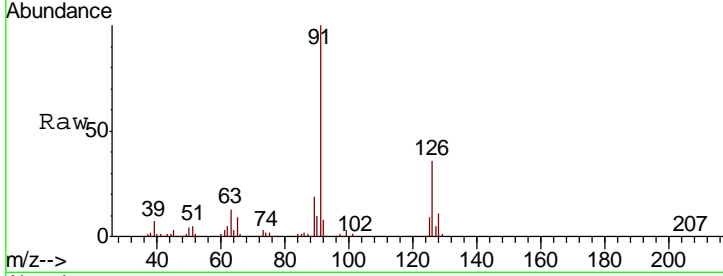


#79
 2-Chlorotoluene
 Concen: 20.03 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

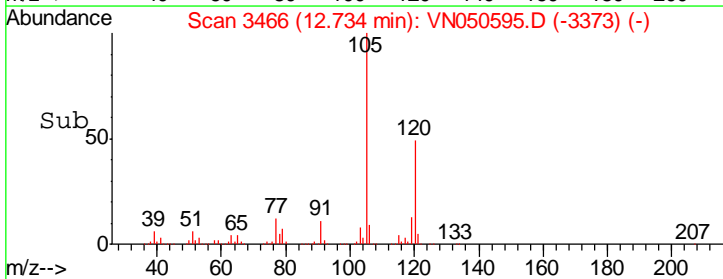
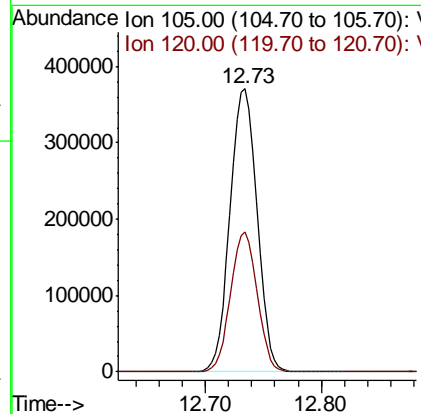
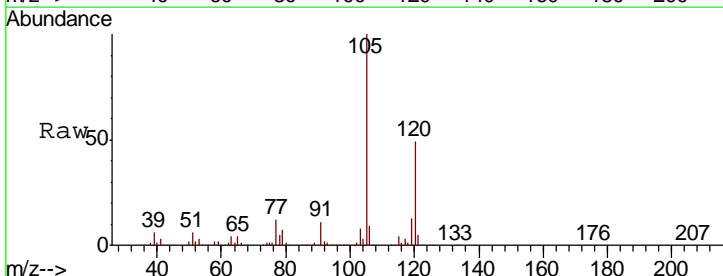
Tgt Ion: 91 Resp: 496098
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.6 52.8

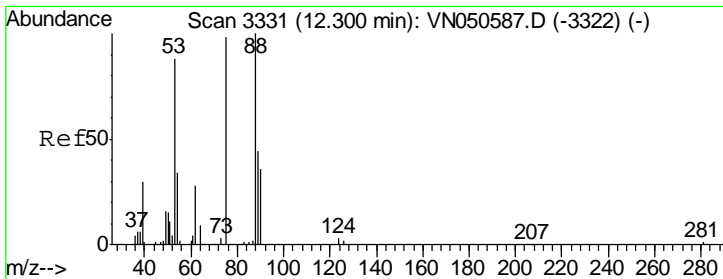
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.90 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion: 105 Resp: 596235
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.7 74.1





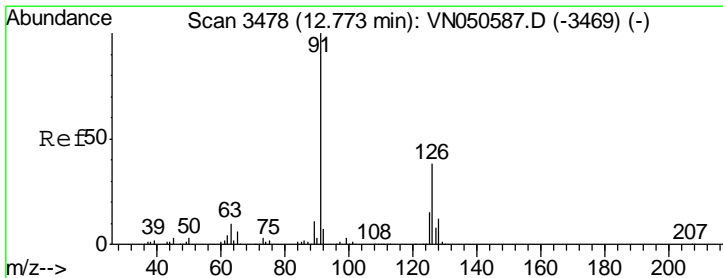
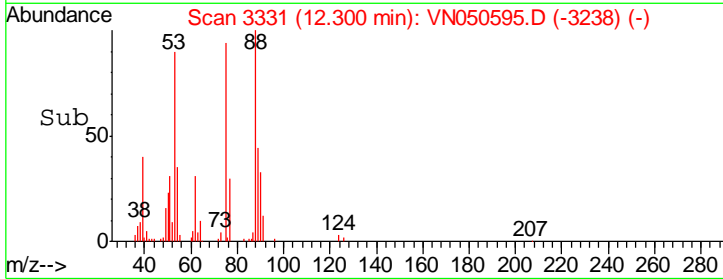
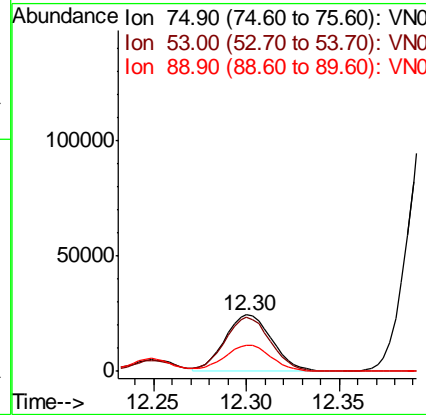
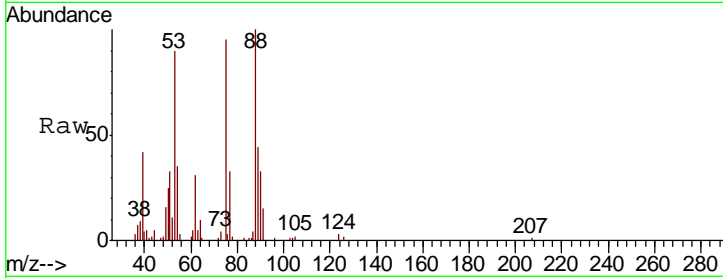
#81
 trans-1,4-Dichloro-2-butene
 Concen: 21.08 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
75	43228		
75	100		
53	93.1	72.2	108.2
89	46.0	36.3	54.5

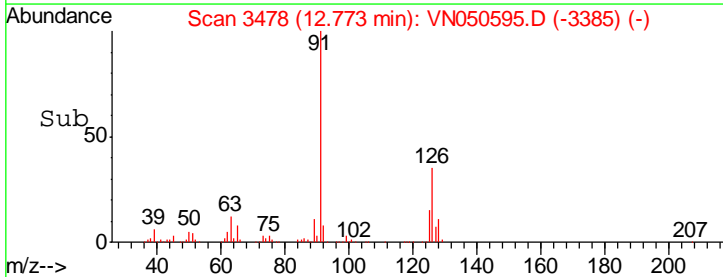
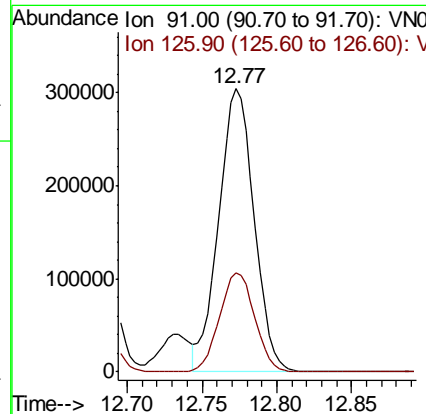
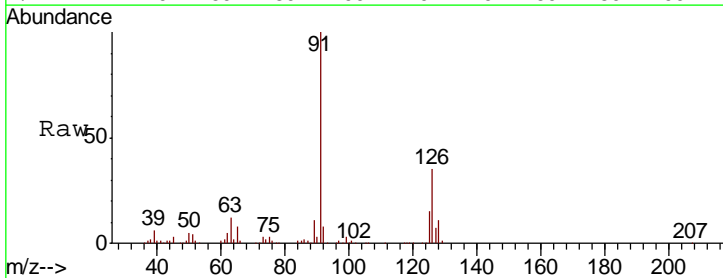
Manual Integrations
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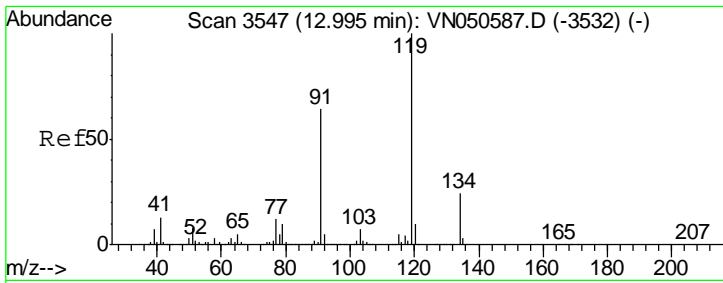
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 8/15/2018 3:31:25 PM



#82
 4-Chlorotoluene
 Concen: 20.40 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
91	499404		
91	100		
126	35.0	17.3	52.0



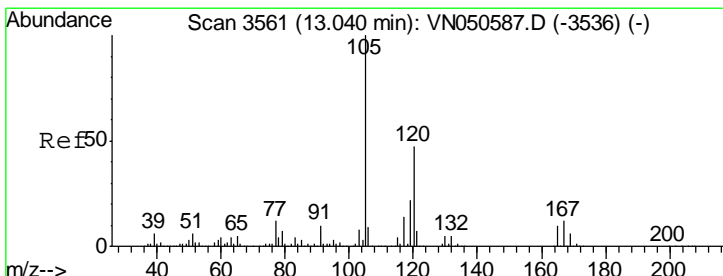
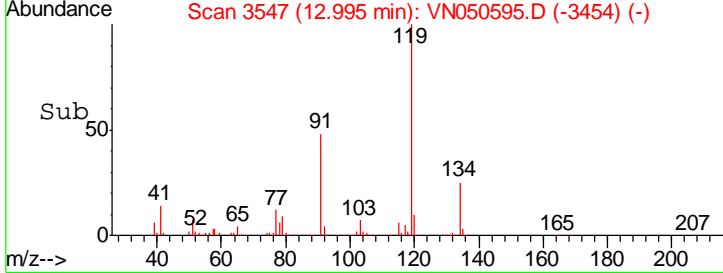
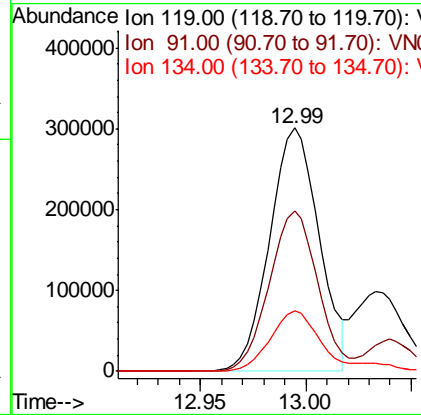
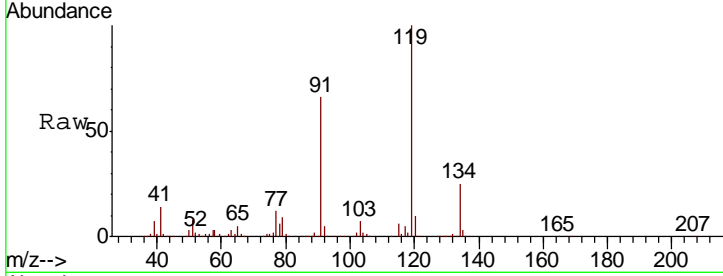


#83
 tert-Butylbenzene
 Concen: 19.86 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

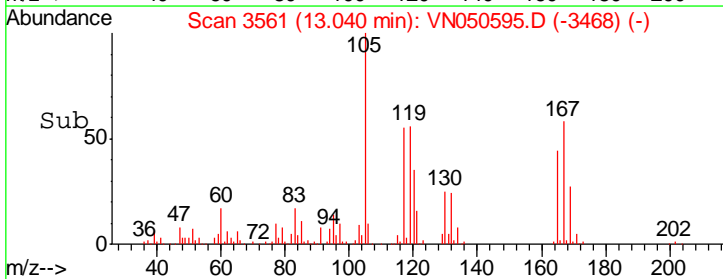
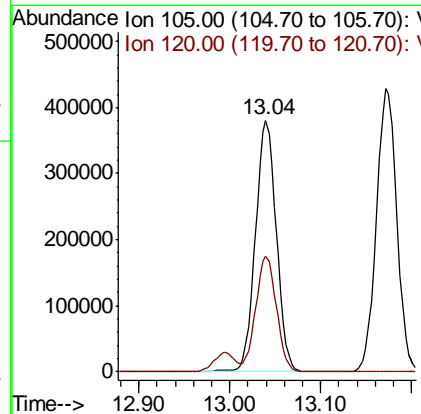
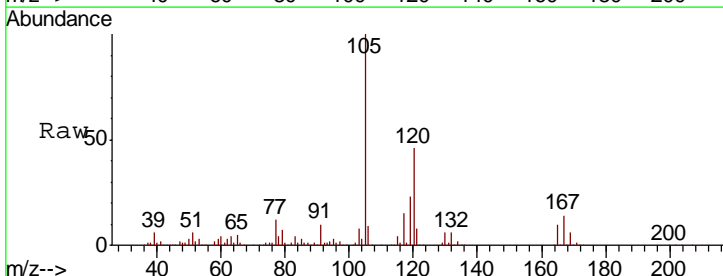
Tgt Ion	Resp	Lower	Upper
119	491889		
91	65.0	32.2	96.6
134	24.6	13.4	40.2

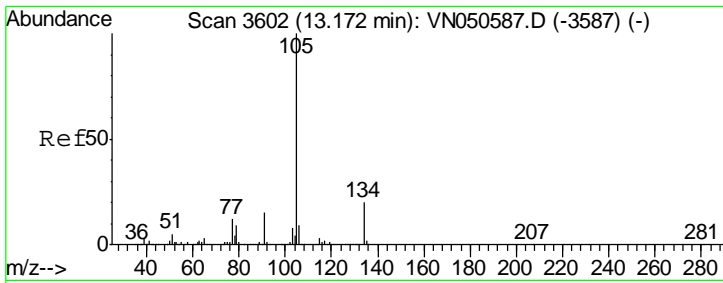
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.22 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
105	607422		
120	45.8	23.2	69.5



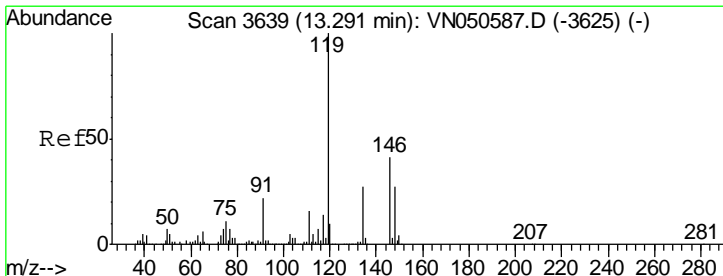
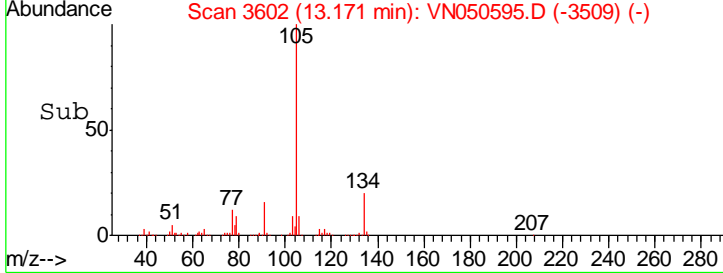
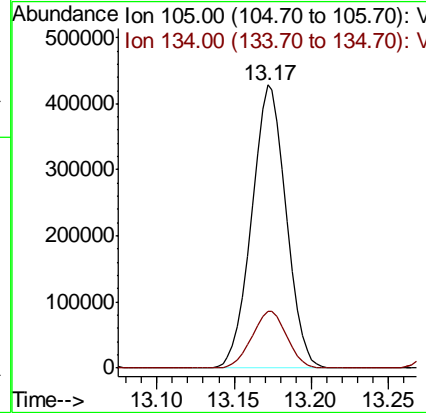
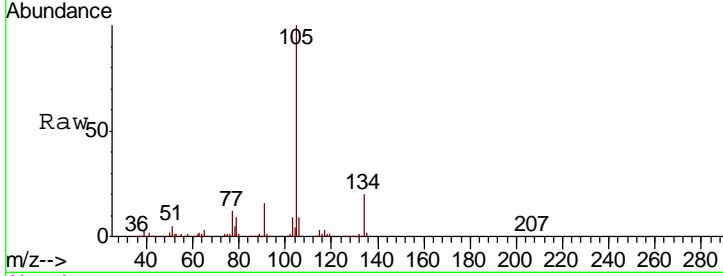


#85
 sec-Butylbenzene
 Concen: 20.52 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

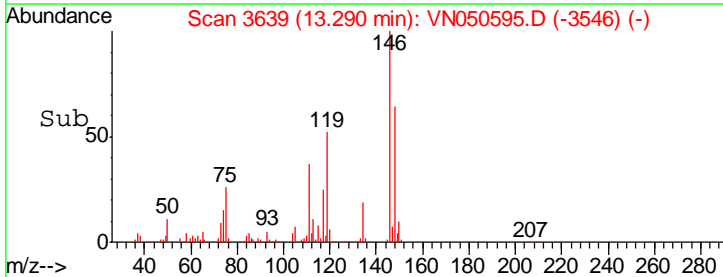
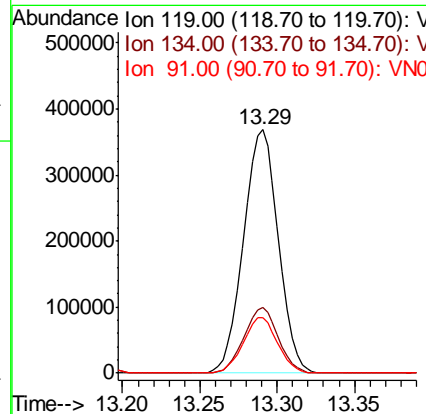
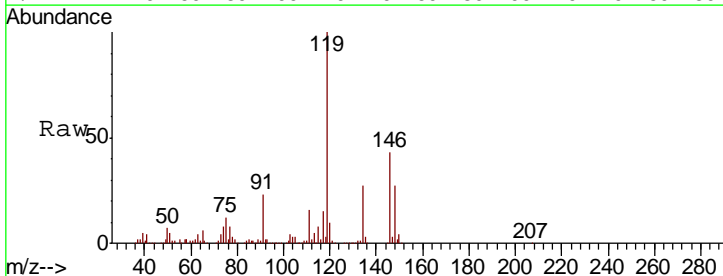
Tgt Ion	Resp	Lower	Upper
105	663972		
134	20.5	10.1	30.3

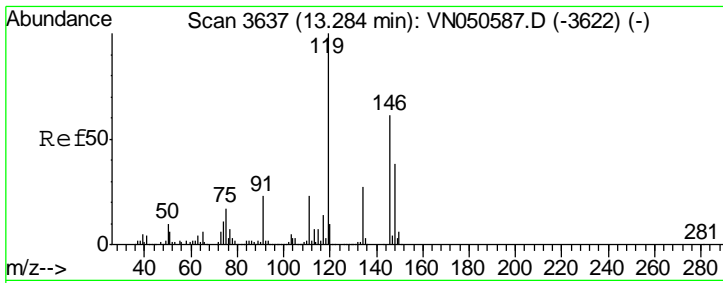
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 20.94 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
119	574202		
134	26.6	13.5	40.4
91	22.5	11.2	33.6



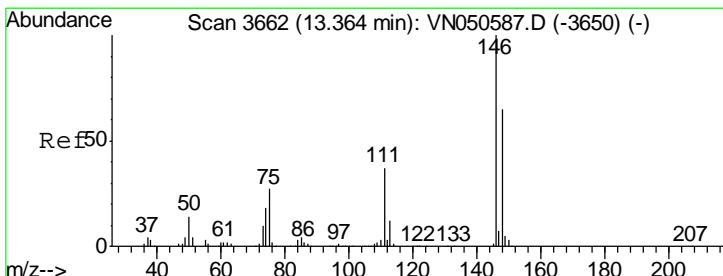
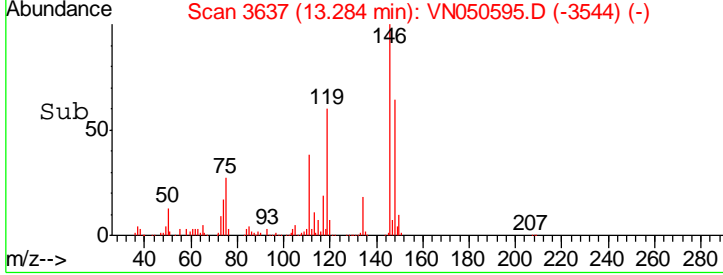
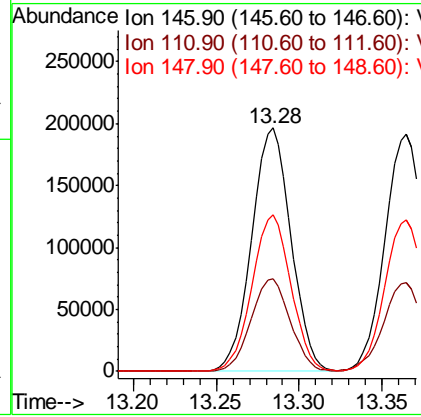
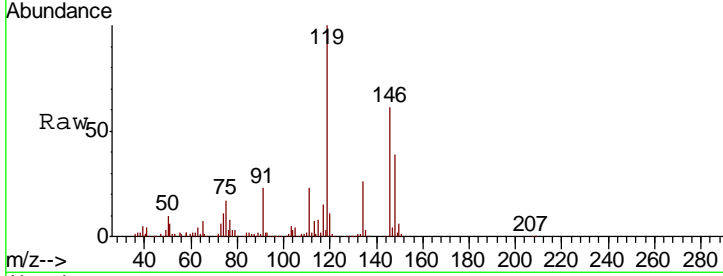


#87
 1,3-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

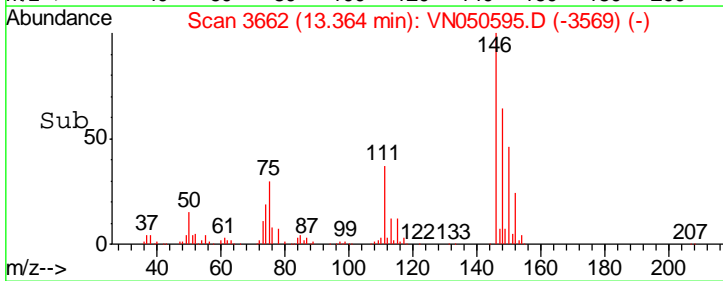
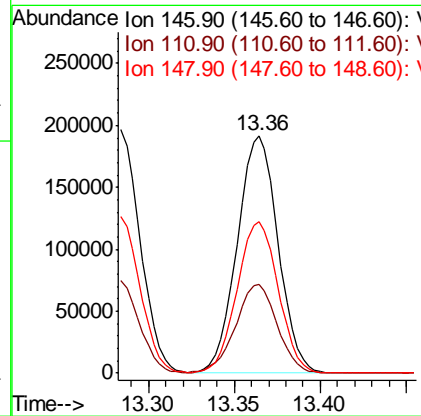
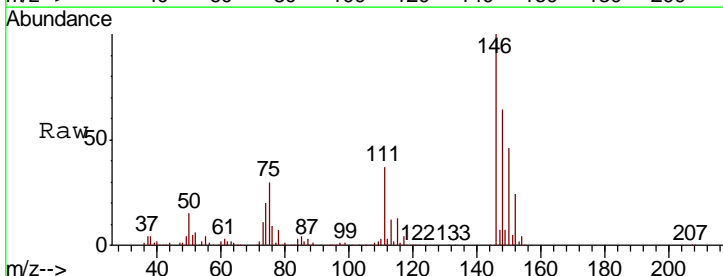
Tgt Ion	Resp	Lower	Upper
146	323170		
146	100		
111	38.0	19.2	57.6
148	63.7	31.9	95.7

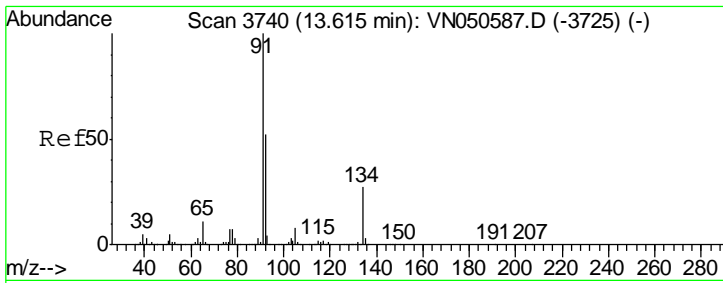
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.29 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
146	315301		
146	100		
111	38.2	18.8	56.4
148	64.5	32.3	96.8



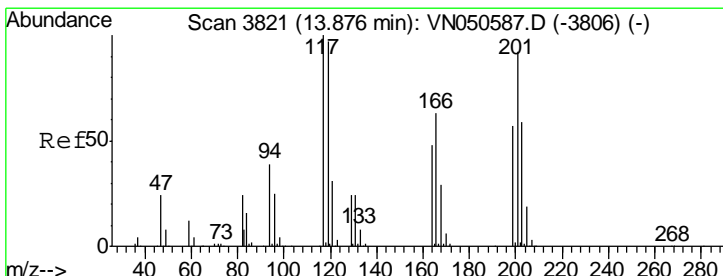
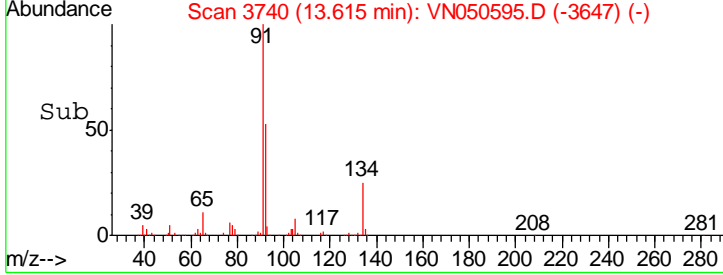
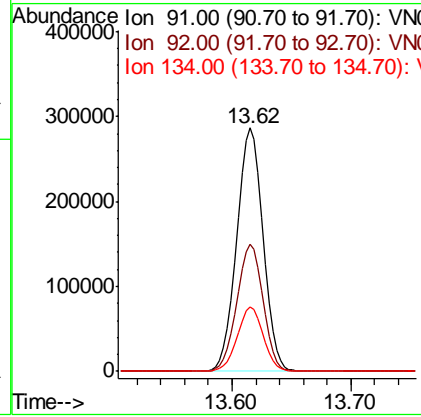
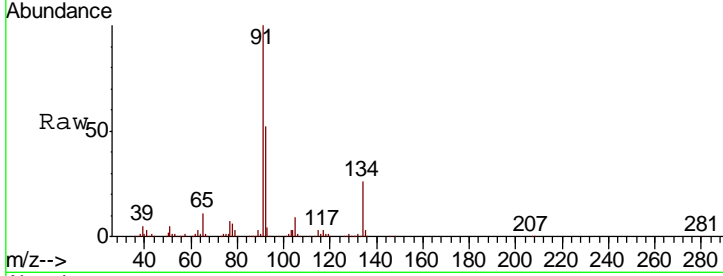


#89
 n-Butylbenzene
 Concen: 19.86 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

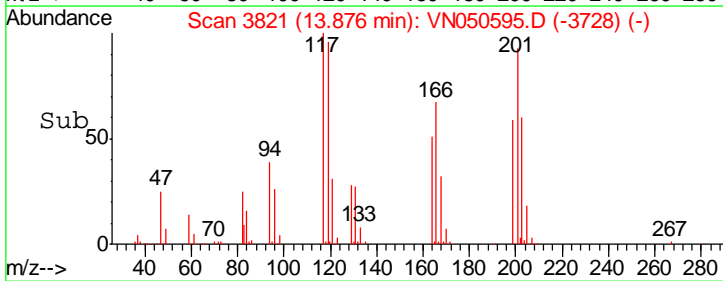
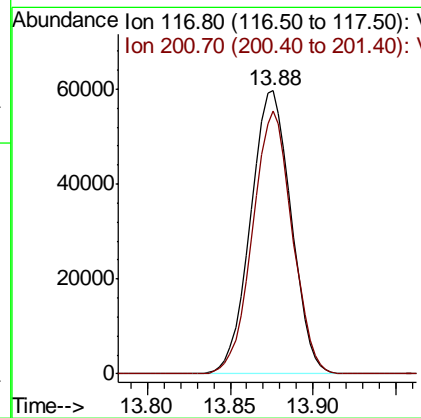
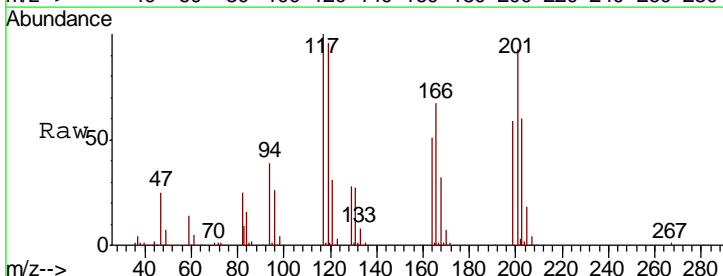
Tgt Ion	Resp	Lower	Upper
91	100		
92	52.0	26.3	78.8
134	25.9	13.3	39.9

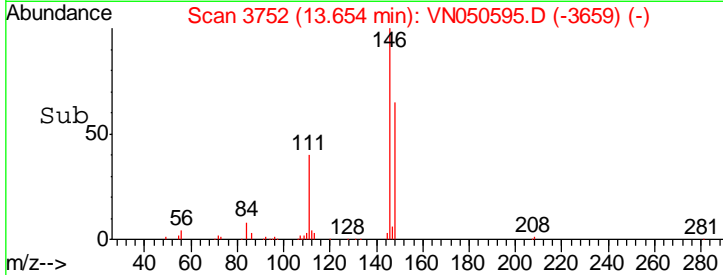
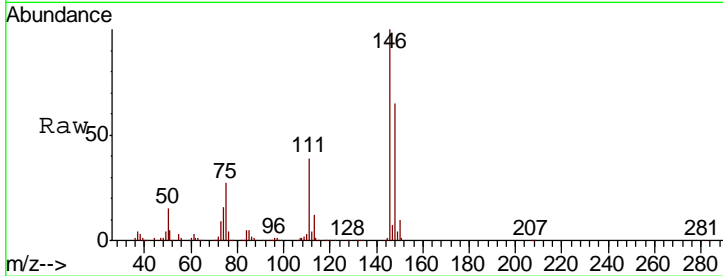
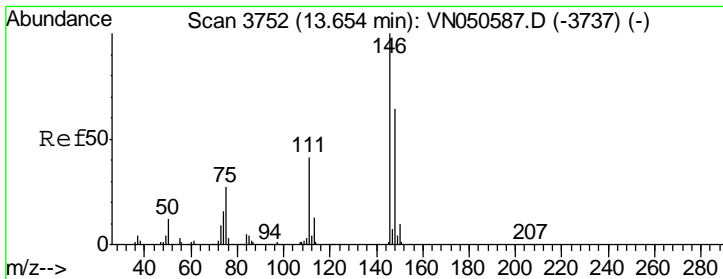
Manual Integrations
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#90
 Hexachloroethane
 Concen: 18.40 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
117	100		
201	90.5	45.5	136.5



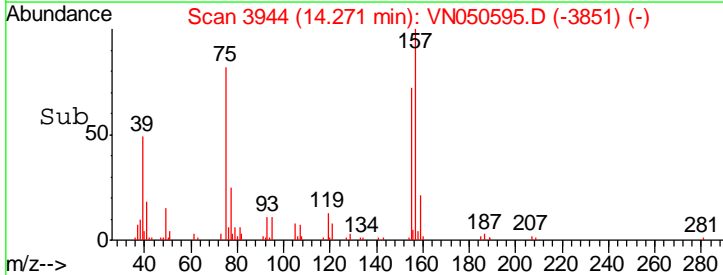
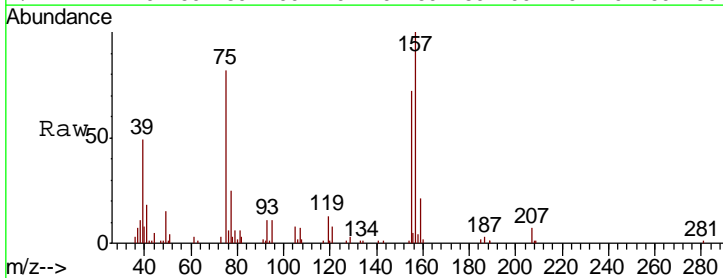
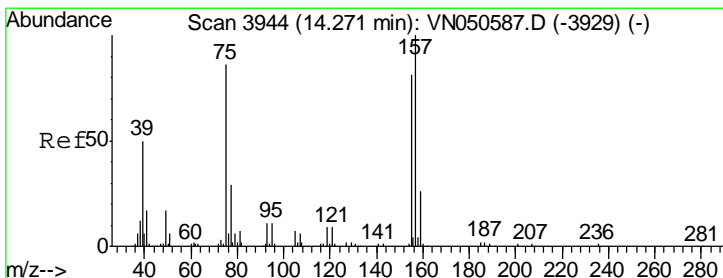
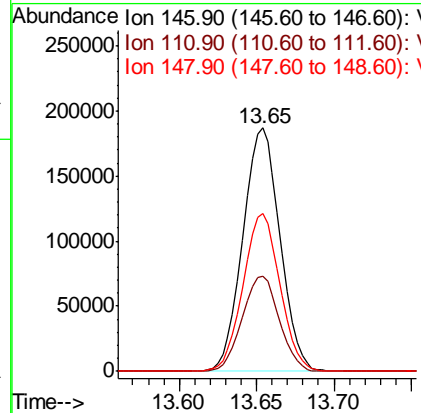


#91
 1,2-Dichlorobenzene
 Concen: 19.37 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
146	311218		
111	39.0	19.8	59.4
148	64.6	32.3	96.8

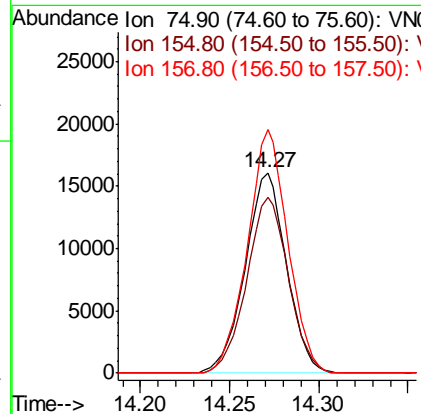
Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

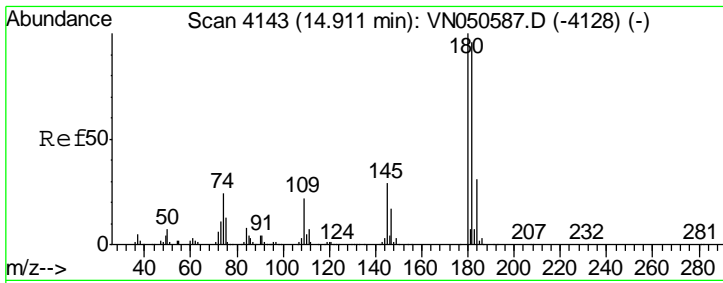
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 8/15/2018 3:31:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.47 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

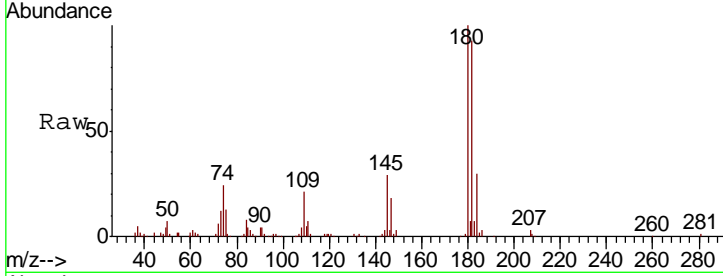
Tgt Ion	Resp	Lower	Upper
75	26018		
155	88.5	46.6	139.8
157	118.7	58.1	174.2





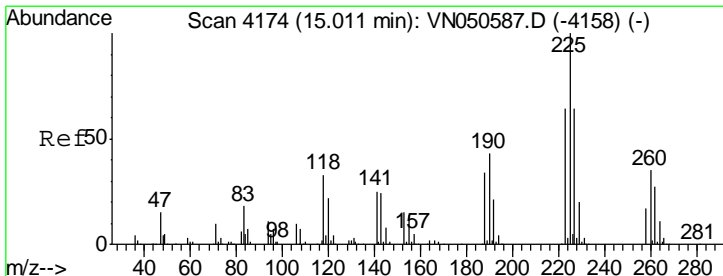
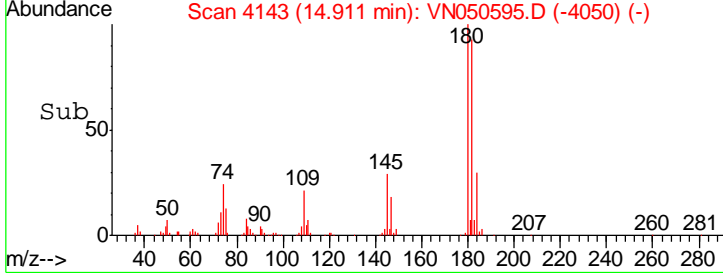
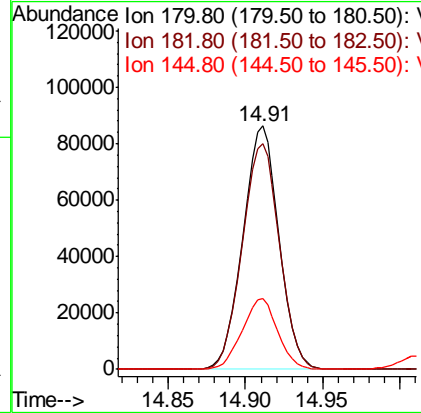
#93
 1,2,4-Trichlorobenzene
 Concen: 18.70 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampleId : VN0814WBS01

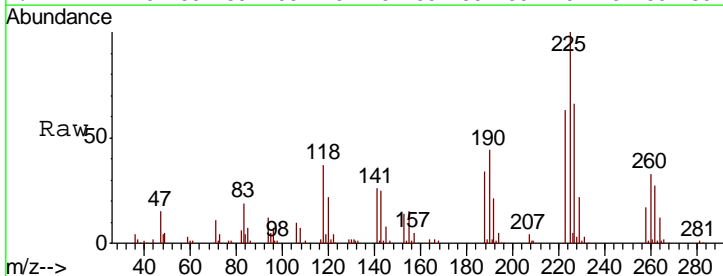


Tgt Ion	Resp	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	28.6	14.4	43.4

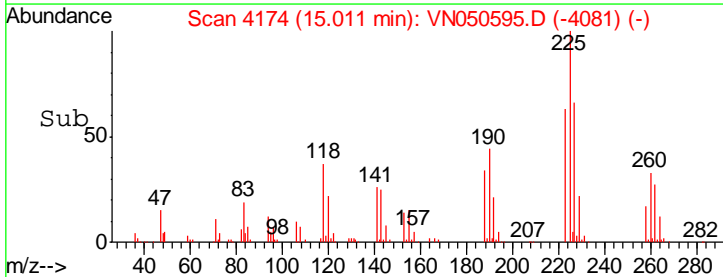
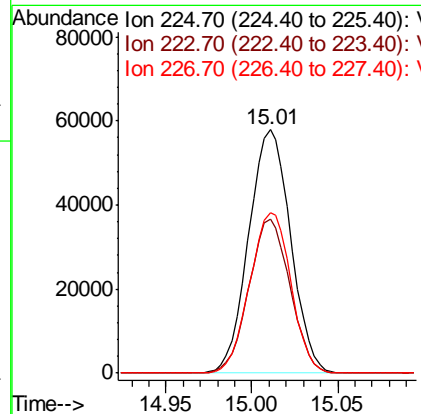
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 8/15/2018 3:31:25 PM

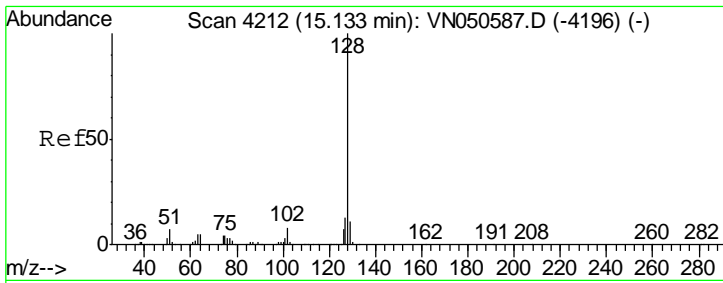


#94
 Hexachlorobutadiene
 Concen: 19.87 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18



Tgt Ion	Resp	Lower	Upper
225	100		
223	62.0	32.1	96.3
227	64.8	32.0	96.2





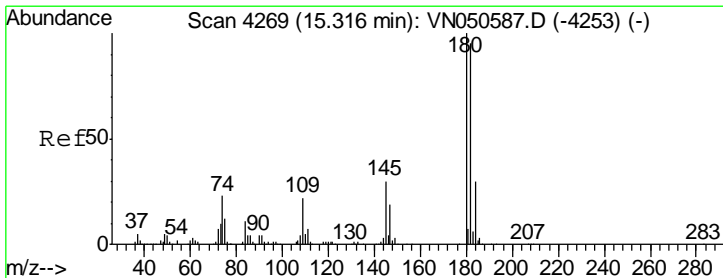
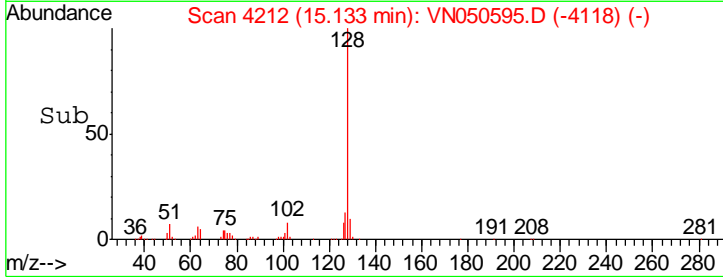
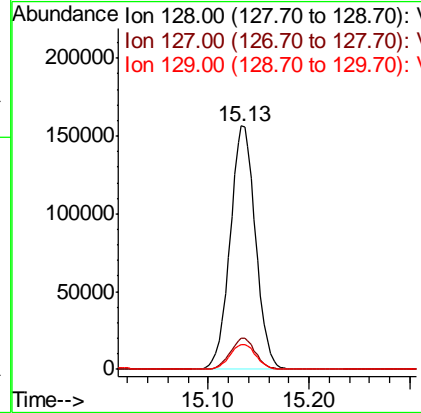
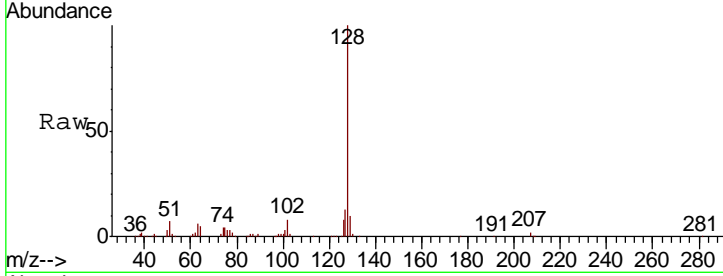
#95
 Naphthalene
 Concen: 18.31 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.5	8.5	12.7

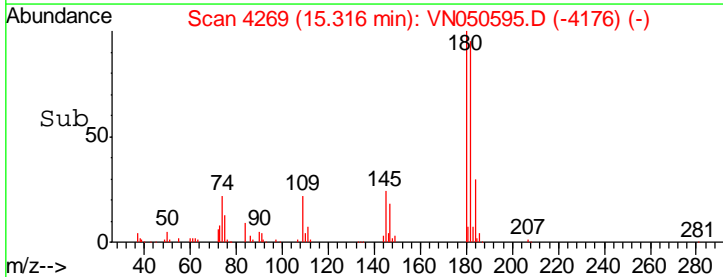
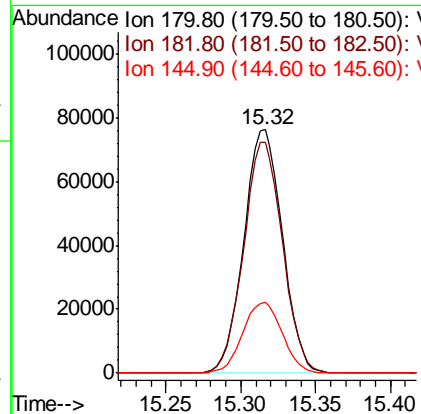
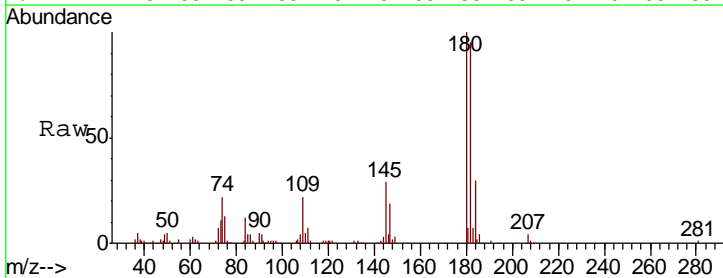
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#96
 1,2,3-Trichlorobenzene
 Concen: 19.03 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.8	47.3	141.8
145	29.9	14.6	44.0





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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBS02	SDG No.:	J4465
Lab Sample ID:	VN0814WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050619.D	1		08/14/18 23:00	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.2		0.2	0.2	1	ug/L
74-87-3	Chloromethane	20.2		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	19.3		0.2	0.2	1	ug/L
74-83-9	Bromomethane	19.6		0.2	0.2	1	ug/L
75-00-3	Chloroethane	20.2		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	19.1		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.2	0.2	1	ug/L
67-64-1	Acetone	110		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	19.1		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	20.1		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	20.6		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	20.4		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	19.7		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	19.5		0.2	0.2	1	ug/L
78-93-3	2-Butanone	98.7		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	19.9		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	19.4		0.2	0.5	1	ug/L
67-66-3	Chloroform	19.2		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	20.2		0.2	0.2	1	ug/L
71-43-2	Benzene	20.6		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	20.5		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	20		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	20.2		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	20		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	110		1	1	5	ug/L
108-88-3	Toluene	20.9		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	19.9		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.6		0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBS02	SDG No.:	J4465
Lab Sample ID:	VN0814WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050619.D	1		08/14/18 23:00	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.3		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	100		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	20.2		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	20.6		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	20.2		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	20		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	20.4		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	41.9		0.4	0.4	2	ug/L
95-47-6	o-Xylene	20.6		0.2	0.2	1	ug/L
100-42-5	Styrene	19.5		0.2	0.2	1	ug/L
75-25-2	Bromoform	20.4		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	20.7		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.4		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	20		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	19.6		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	20.1		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.5		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.5		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		61 - 141		101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		69 - 133		102%	SPK: 50
2037-26-5	Toluene-d8	50.9		65 - 126		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		58 - 135		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	622470	7.67				
540-36-3	1,4-Difluorobenzene	905202	8.586				
3114-55-4	Chlorobenzene-d5	826513	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	411932	13.345				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBS02	SDG No.:	J4465
Lab Sample ID:	VN0814WBS02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050619.D	1		08/14/18 23:00	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050619.D
 Acq On : 14 Aug 2018 23:00
 Operator : MD\SY
 Sample : VN0814WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VN0814WBS02

Manual Integrations
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 8/15/2018 3:32:20 PM

Quant Time: Aug 15 13:44:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	622470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	905202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	826513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	411932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	396634	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
35) Dibromofluoromethane	7.59	113	369406	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.09	98	1385385	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	438058	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	134986	19.24	ug/l	98
3) Chloromethane	2.06	50	175537	20.23	ug/l	99
4) Vinyl Chloride	2.18	62	180253	19.34	ug/l	99
5) Bromomethane	2.56	94	104680	19.62	ug/l	98
6) Chloroethane	2.70	64	109444	20.18	ug/l	98
7) Trichlorofluoromethane	3.01	101	233901	19.12	ug/l	97
8) Diethyl Ether	3.41	74	78925	19.40	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	145646	19.69	ug/l	99
10) Methyl Iodide	3.95	142	94204	22.37	ug/l	# 94
11) Tert butyl alcohol	4.80	59	43132	100.67	ug/l	100
12) 1,1-Dichloroethene	3.74	96	129857	19.23	ug/l	99
13) Acrolein	3.62	56	13882	78.15	ug/l	96
14) Allyl chloride	4.32	41	200526	19.09	ug/l	99
15) Acrylonitrile	5.00	53	236109	100.34	ug/l	99
16) Acetone	3.82	43	208165	105.42	ug/l	97
17) Carbon Disulfide	4.05	76	406489	19.12	ug/l	99
18) Methyl Acetate	4.33	43	116646	20.58	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	345249	20.08	ug/l	98
20) Methylene Chloride	4.55	84	157890	20.42	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	144026	19.67	ug/l	98
22) Diisopropyl ether	5.96	45	444331	20.63	ug/l	96
23) Vinyl Acetate	5.90	43	1429201	101.43	ug/l	99
24) 1,1-Dichloroethane	5.85	63	270345	19.40	ug/l	99
25) 2-Butanone	6.84	43	317622	98.73	ug/l	99
26) 2,2-Dichloropropane	6.83	77	187816	20.13	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	158152	19.40	ug/l	98
28) Bromochloromethane	7.20	49	123081	19.40	ug/l	100
29) Tetrahydrofuran	7.22	42	173713	103.42	ug/l	99
30) Chloroform	7.37	83	271003	19.19	ug/l	100
31) Cyclohexane	7.66	56	234280	19.49	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	229333	19.29	ug/l	99
36) 1,1-Dichloropropene	7.80	75	203402	20.19	ug/l	99
37) Ethyl Acetate	6.93	43	122741	21.55	ug/l	99
38) Carbon Tetrachloride	7.78	117	208132	19.91	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050619.D
 Acq On : 14 Aug 2018 23:00
 Operator : MD\SY
 Sample : VN0814WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02

Manual Integrations
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 8/15/2018 3:32:20 PM

Quant Time: Aug 15 13:44:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	210536	20.18	ug/l	96
40) Benzene	8.04	78	629806	20.55	ug/l	99
41) Methacrylonitrile	7.18	41	55404	17.99	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	192538	20.49	ug/l	99
43) Isopropyl Acetate	8.17	43	205682	19.81	ug/l	99
44) Trichloroethene	8.84	130	164240	20.00	ug/l	99
45) 1,2-Dichloropropane	9.12	63	164508	20.16	ug/l	98
46) Dibromomethane	9.21	93	97674	20.27	ug/l	97
47) Bromodichloromethane	9.40	83	205511	19.95	ug/l	99
48) Methyl methacrylate	9.20	41	104605	20.03	ug/l	99
49) 1,4-Dioxane	9.20	88	28759	417.96	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	749115	106.71	ug/l	99
52) Toluene	10.16	92	382762	20.91	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	190511	19.86	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	227184	20.64	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	138999	20.33	ug/l	97
56) Ethyl methacrylate	10.43	69	157618	19.29	ug/l	99
57) 1,3-Dichloropropane	10.71	76	228771	20.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	371842	95.70	ug/l	99
59) 2-Hexanone	10.75	43	472564	104.30	ug/l	99
60) Dibromochloromethane	10.90	129	152361	20.19	ug/l	99
61) 1,2-Dibromoethane	11.01	107	134034	20.58	ug/l	99
64) Tetrachloroethene	10.63	164	155271	20.23	ug/l	99
65) Chlorobenzene	11.44	112	410555	19.96	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	153740	19.94	ug/l	99
67) Ethyl Benzene	11.51	91	677588	20.40	ug/l	100
68) m/p-Xylenes	11.62	106	532026	41.88	ug/l	100
69) o-Xylene	11.95	106	249256	20.58	ug/l	99
70) Styrene	11.96	104	407483	19.50	ug/l	99
71) Bromoform	12.13	173	104280	20.39	ug/l #	99
73) Isopropylbenzene	12.25	105	666632	20.71	ug/l	100
74) N-amyl acetate	12.07	43	168474	20.12	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	169682	21.38	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	125918m	18.27	ug/l	
77) Bromobenzene	12.53	156	172000	19.68	ug/l	99
78) n-propylbenzene	12.59	91	749203	20.88	ug/l	99
79) 2-Chlorotoluene	12.67	91	457834	20.46	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	550981	21.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	37081	20.01	ug/l	97
82) 4-Chlorotoluene	12.77	91	460304	20.82	ug/l	100
83) tert-Butylbenzene	12.99	119	452013	20.21	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	555625	21.48	ug/l	99
85) sec-Butylbenzene	13.17	105	607325	20.78	ug/l	99
86) p-Isopropyltoluene	13.29	119	523210	21.12	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	297625	20.01	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	288605	19.55	ug/l	99
89) n-Butylbenzene	13.62	91	393853	19.69	ug/l	97
90) Hexachloroethane	13.88	117	96165	19.31	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	292058	20.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23228	20.23	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050619.D
 Acq On : 14 Aug 2018 23:00
 Operator : MD\SY
 Sample : VN0814WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02

Manual Integrations
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Quant Time: Aug 15 13:44:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	124107	18.45	ug/l	98
94) Hexachlorobutadiene	15.01	225	86196	19.37	ug/l	100
95) Naphthalene	15.13	128	232579	17.41	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	119812	18.49	ug/l	97

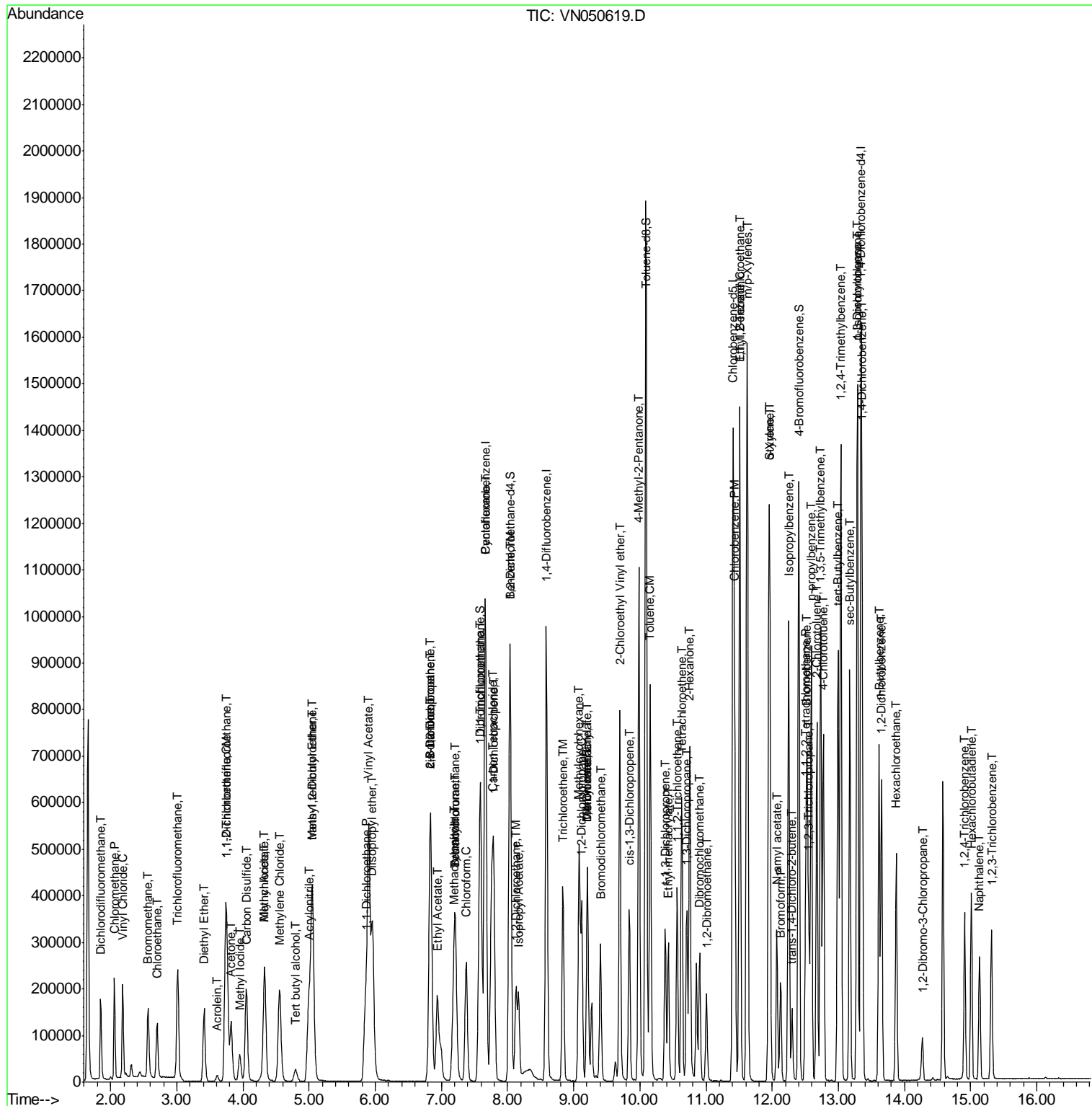
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050619.D
 Acq On : 14 Aug 2018 23:00
 Operator : MD\SY
 Sample : VN0814WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

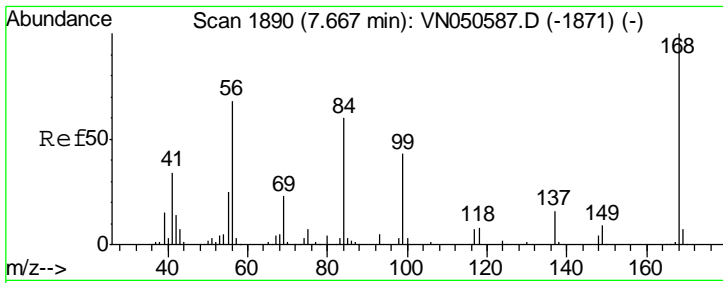
Instrument :
 MSVOA_N
 Client Sampled :
 VN0814WBS02

Manual Integrations
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 MMDadoda
 8/15/2018 3:32:20 PM

Quant Time: Aug 15 13:44:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



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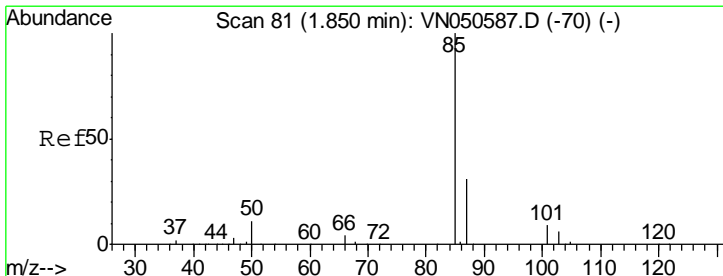
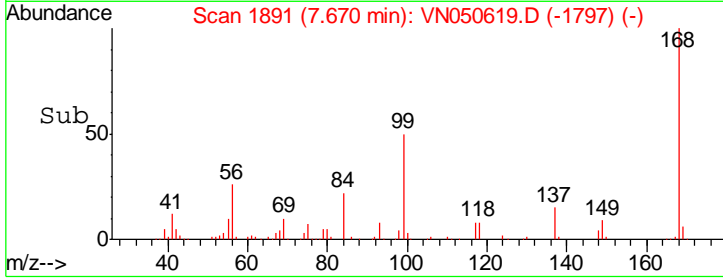
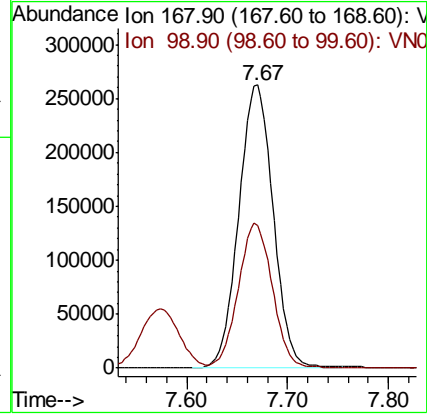
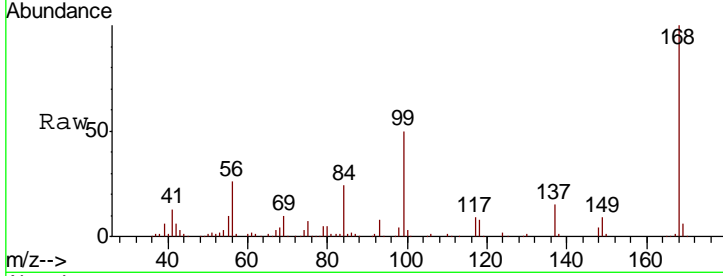
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 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampleId : VN0814WBS02

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.3	40.8	61.2

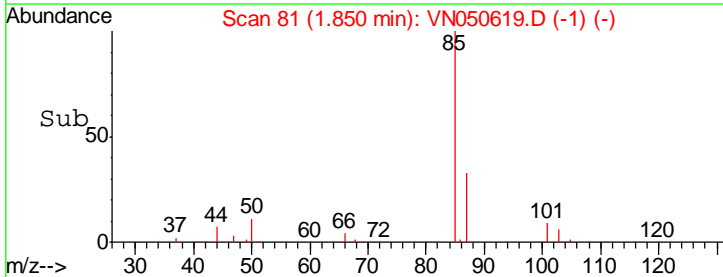
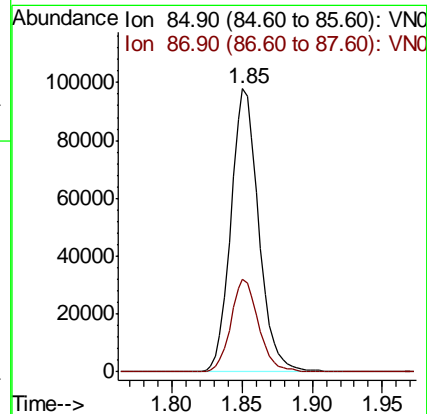
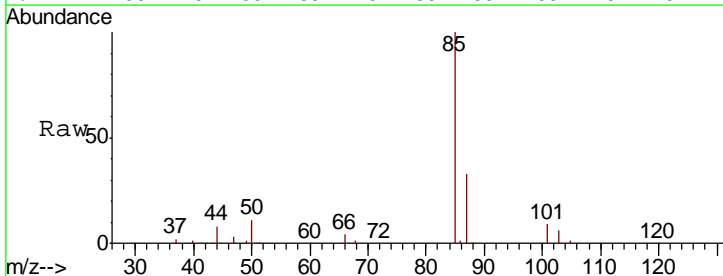
Manual Integrations
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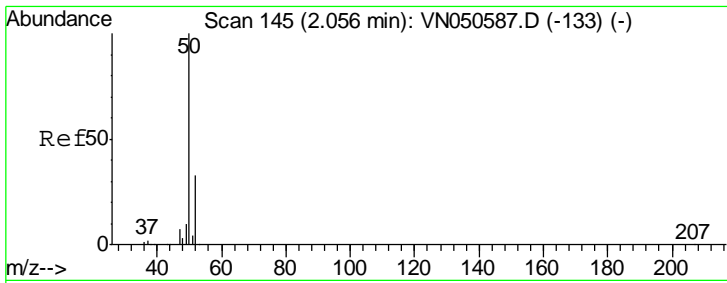
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#2
 Dichlorodifluoromethane
 Concen: 19.24 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.6	15.8	47.3



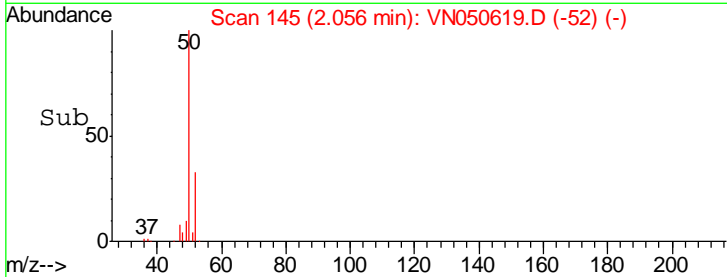
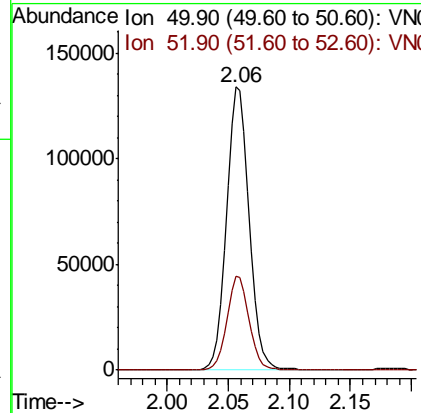
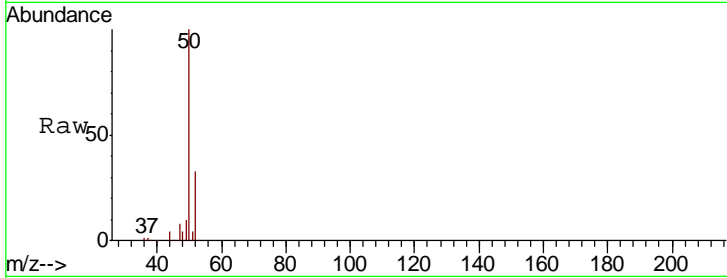


#3
 Chloromethane
 Concen: 20.23 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
50	175537		
52	33.0	26.0	39.0

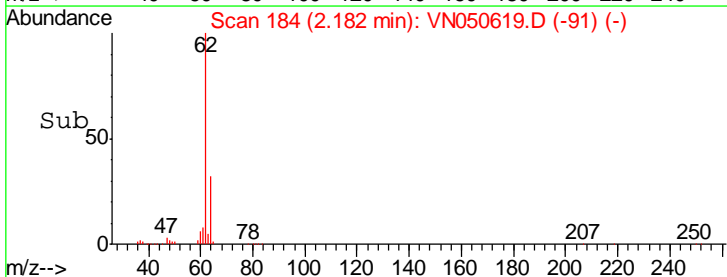
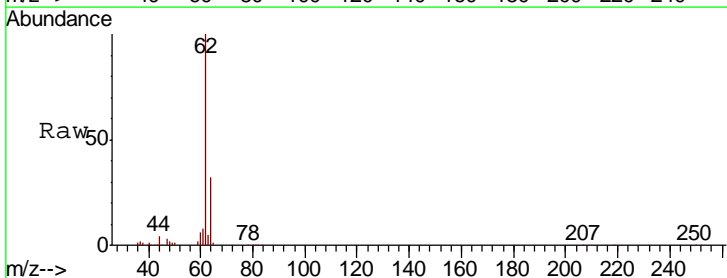
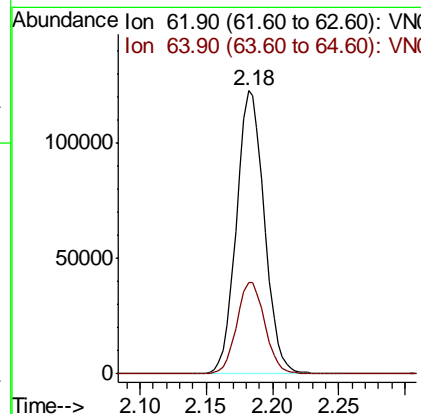
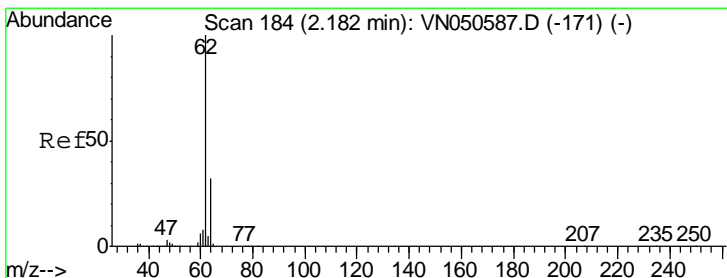
Instrument : MSVOA_N
 ClientSampleId : VN0814WBS02

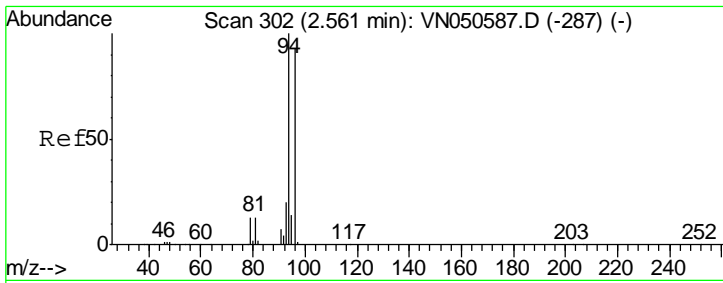
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#4
 Vinyl Chloride
 Concen: 19.34 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
62	180253		
64	32.3	25.2	37.8



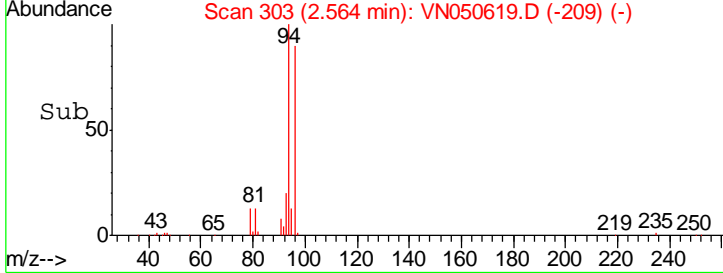
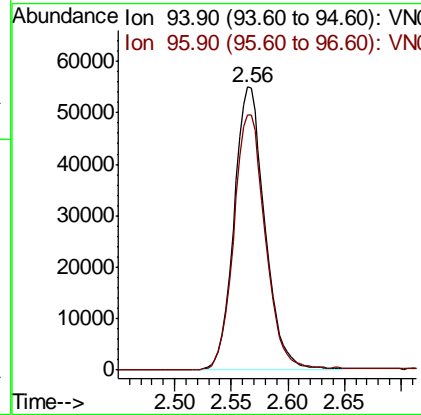
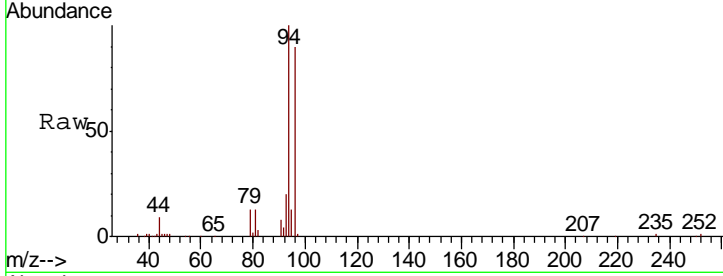


#5
 Bromomethane
 Concen: 19.62 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
94	104680		
96	90.2	74.0	111.0

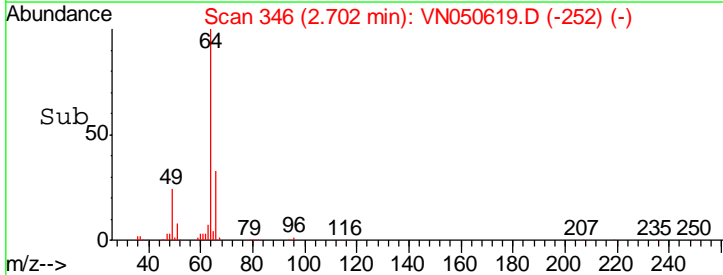
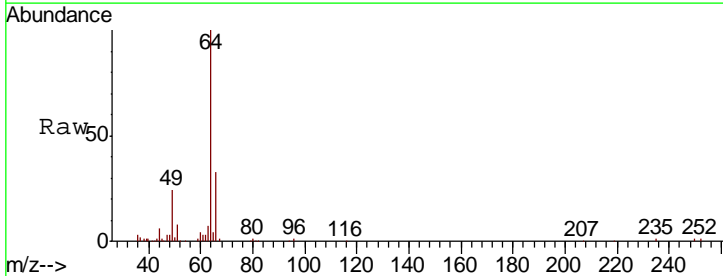
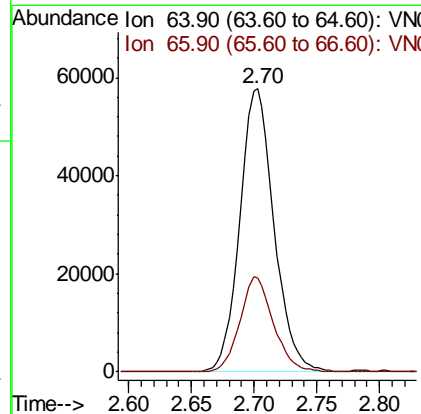
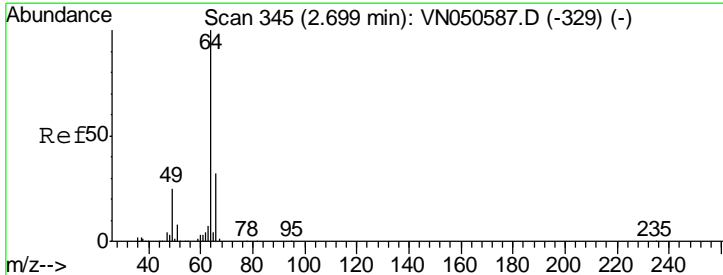
Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

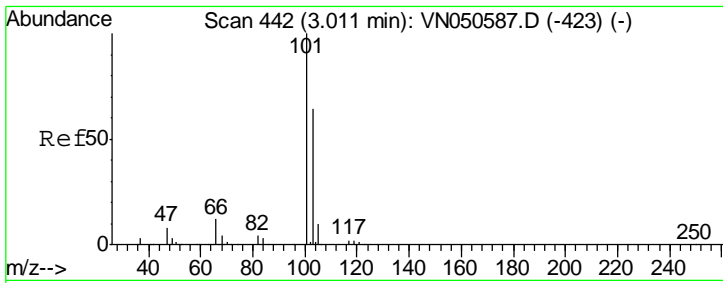
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#6
 Chloroethane
 Concen: 20.18 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
64	109444		
66	33.4	25.7	38.5





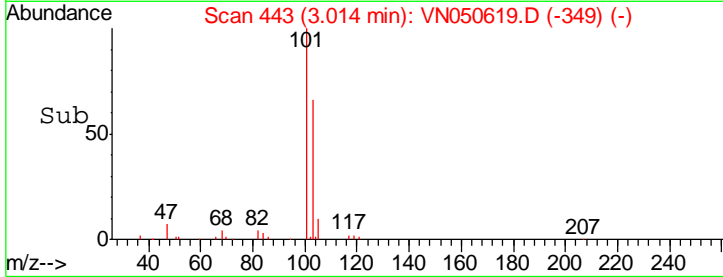
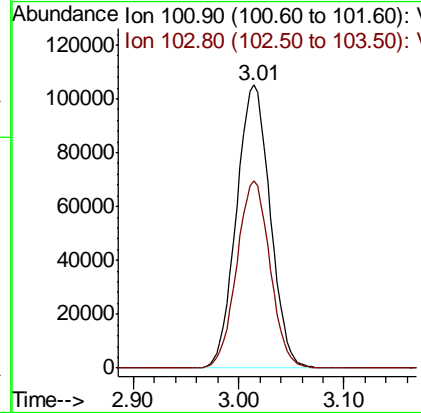
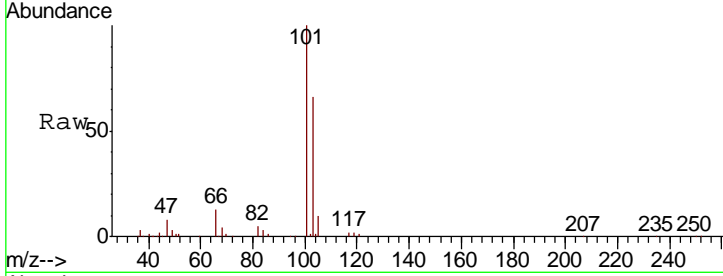
#7
 Trichlorofluoromethane
 Concen: 19.12 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02

Tgt Ion	Resp	Lower	Upper
101	233901		
103	66.3	51.4	77.0

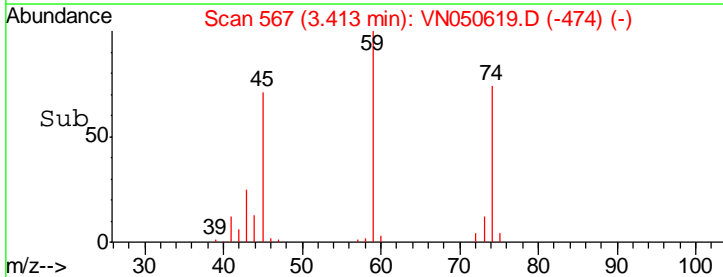
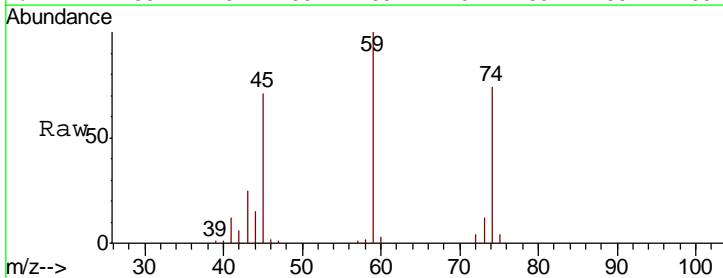
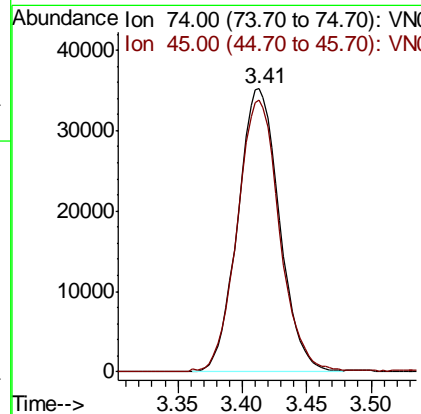
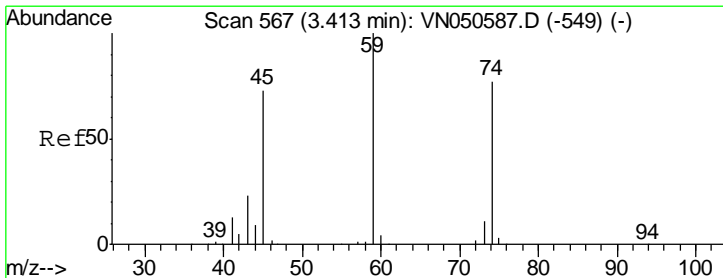
Manual Integrations
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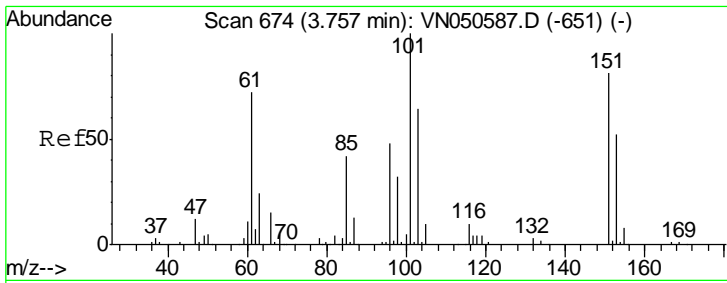
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#8
 Diethyl Ether
 Concen: 19.40 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

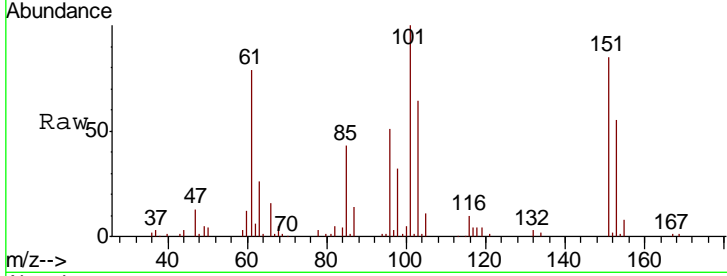
Tgt Ion	Resp	Lower	Upper
74	78925		
45	98.0	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.69 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

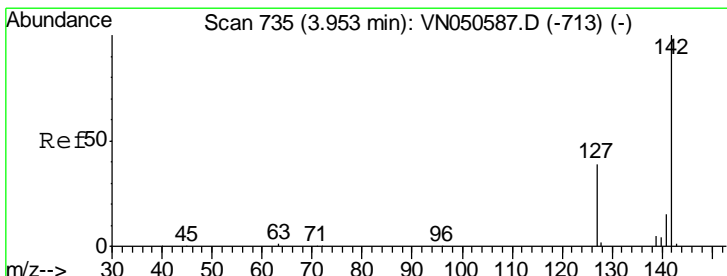
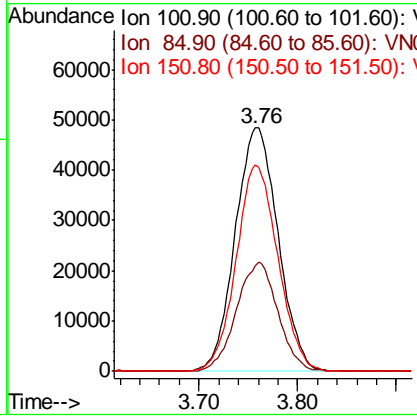
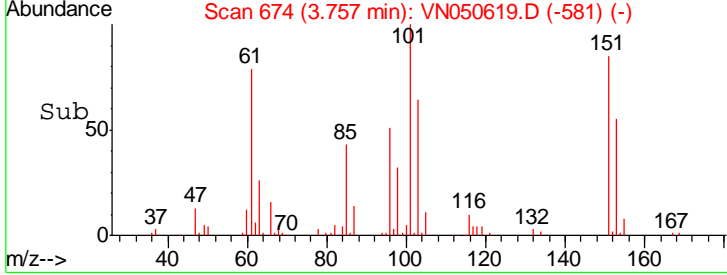
Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02



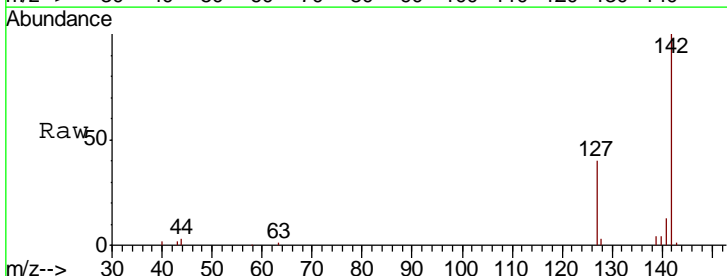
Tgt Ion: 101 Resp: 145646

Ion	Ratio	Lower	Upper
101	100		
85	43.3	33.4	50.0
151	82.6	66.6	100.0

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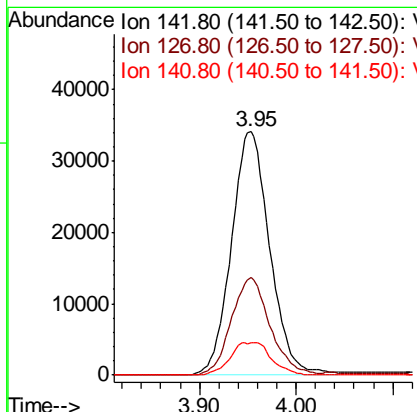
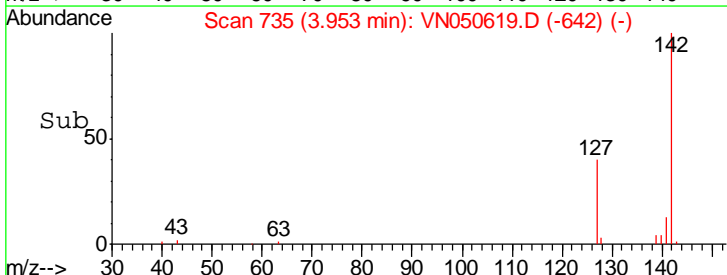


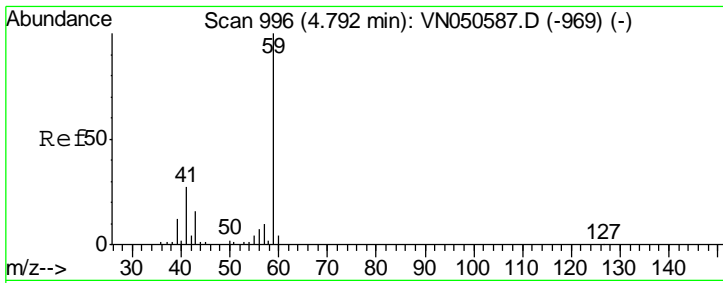
#10
 Methyl Iodide
 Concen: 22.37 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00



Tgt Ion: 142 Resp: 94204

Ion	Ratio	Lower	Upper
142	100		
127	40.3	32.6	49.0
141	6.6	11.5	17.3#



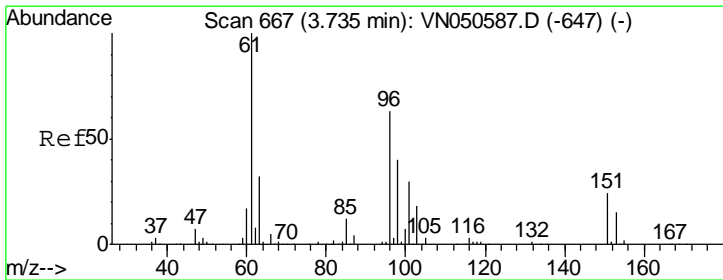
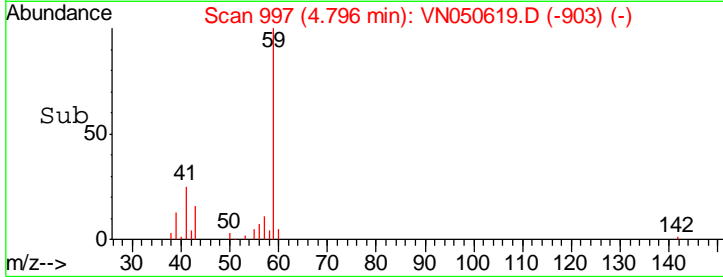
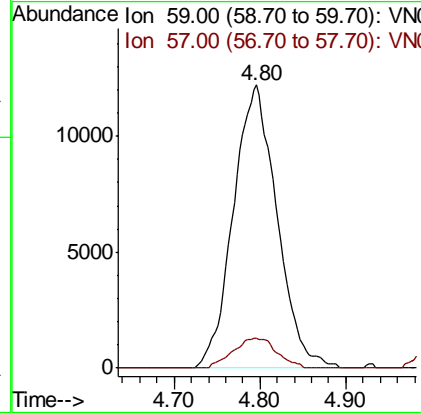
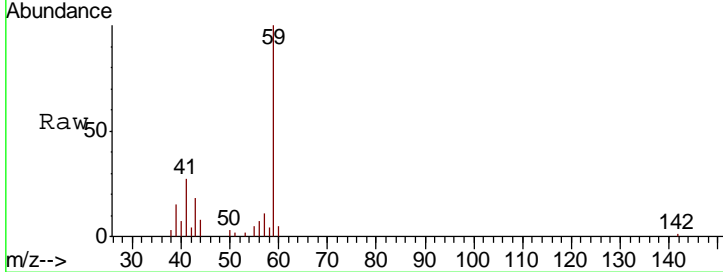


#11
 Tert butyl alcohol
 Concen: 100.67 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

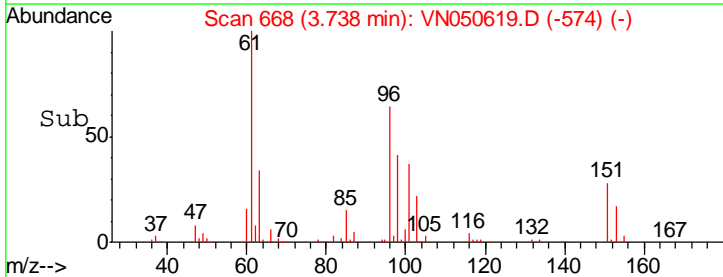
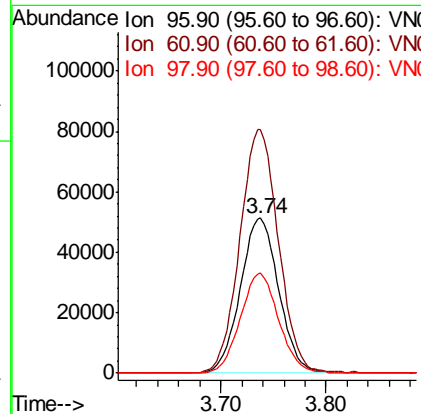
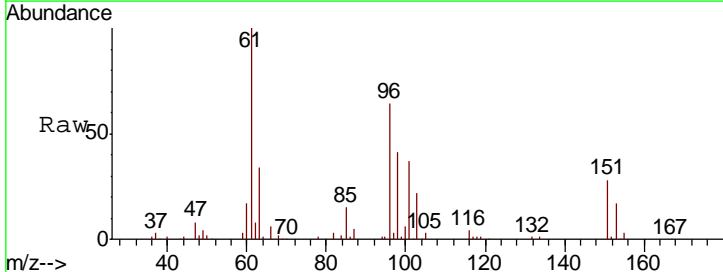
Tgt Ion	Resp	Lower	Upper
59	43132		
57	10.5	8.4	12.6

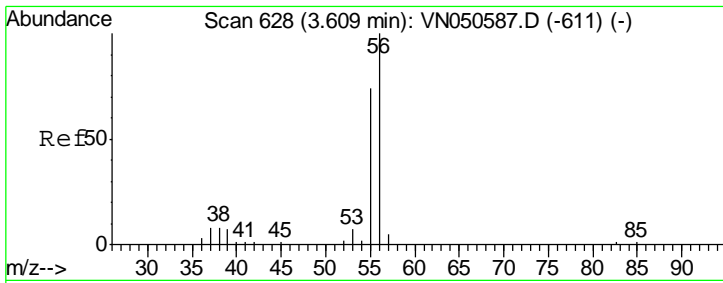
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#12
 1,1-Dichloroethene
 Concen: 19.23 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
96	129857		
61	157.0	126.9	190.3
98	64.4	51.1	76.7



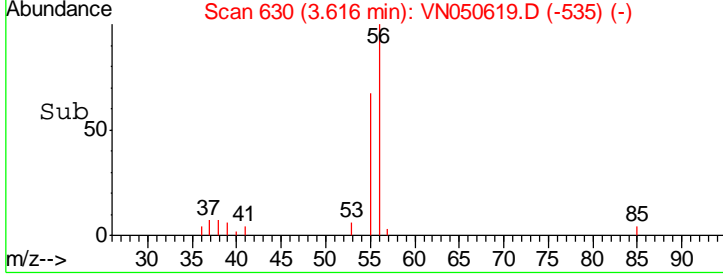
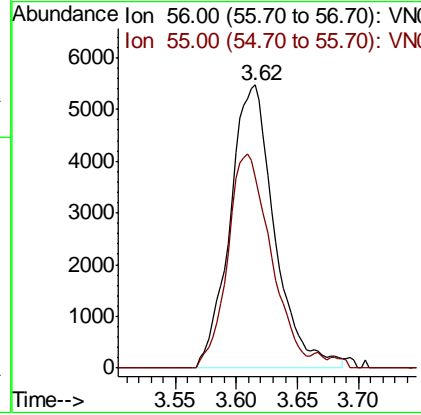
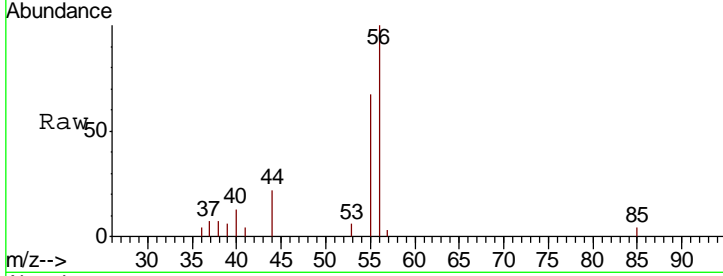


#13
 Acrolein
 Concen: 78.15 ug/l
 RT: 3.62 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
56	100		
55	73.6	56.3	84.5

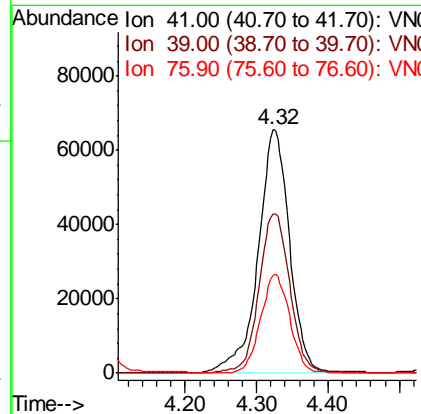
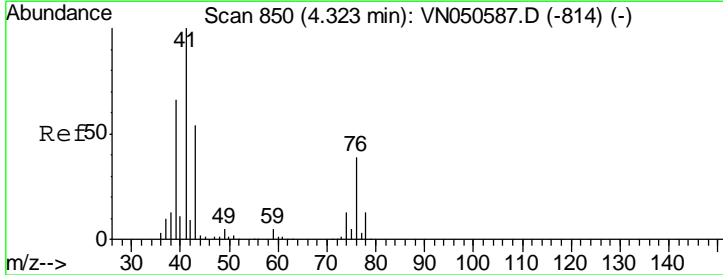
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 ClientSampled : VN0814WBS02

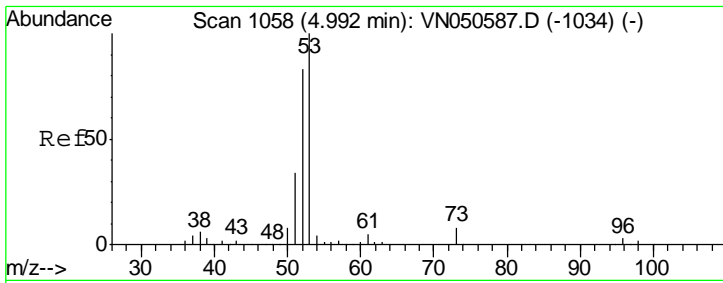
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#14
 Allyl chloride
 Concen: 19.09 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
41	100		
39	64.2	51.4	77.0
76	37.7	29.4	44.0





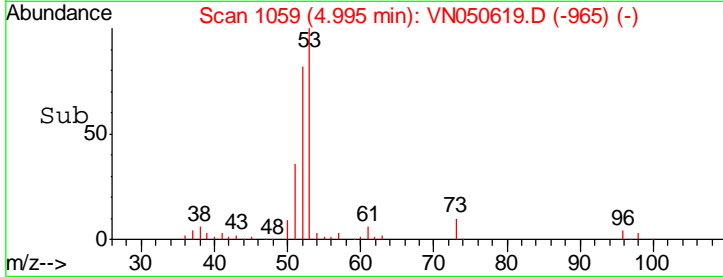
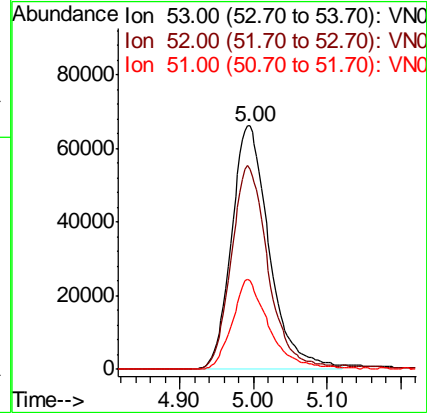
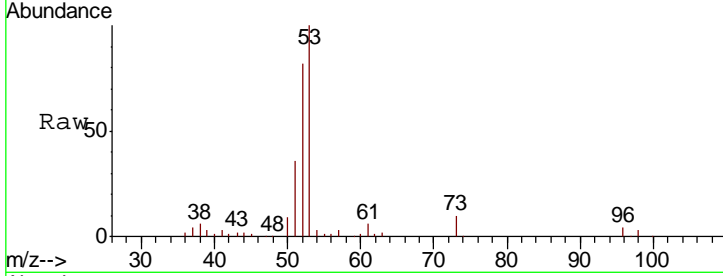
#15
 Acrylonitrile
 Concen: 100.34 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.8	66.2	99.2
51	35.9	28.6	43.0

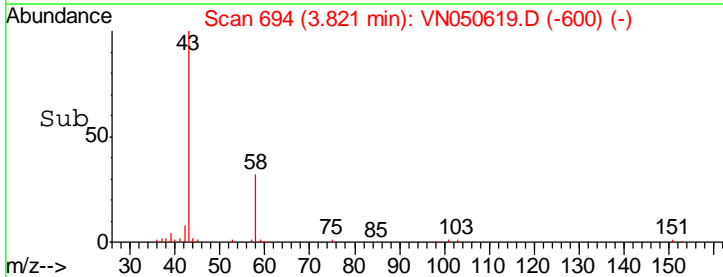
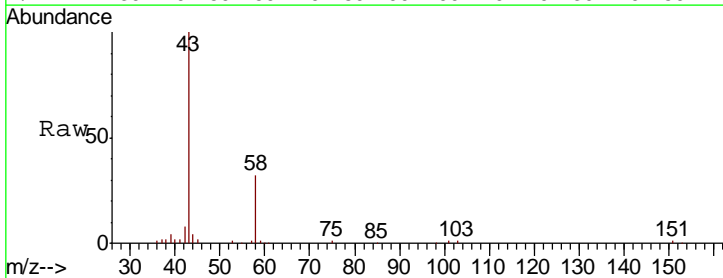
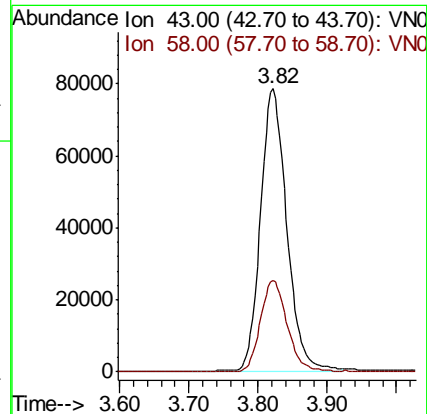
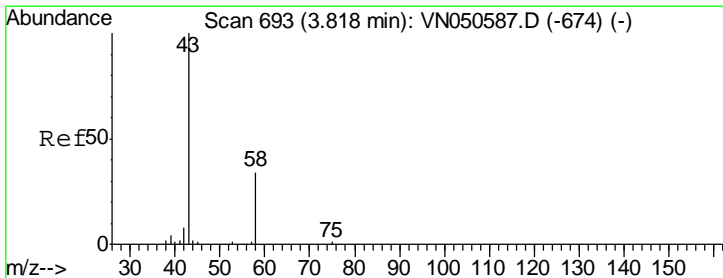
Manual Integrations
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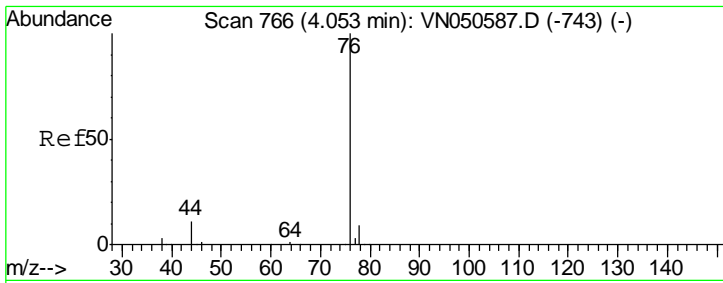
MMDadoda
 8/15/2018 3:32:20 PM



#16
 Acetone
 Concen: 105.42 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.4	27.1	40.7





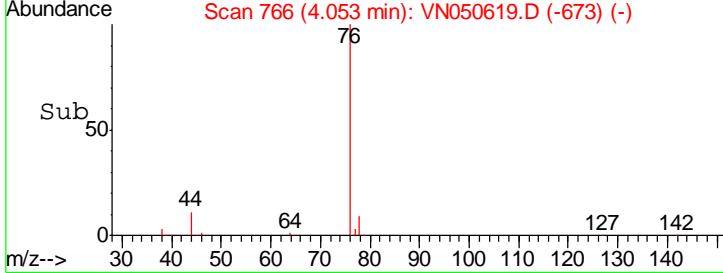
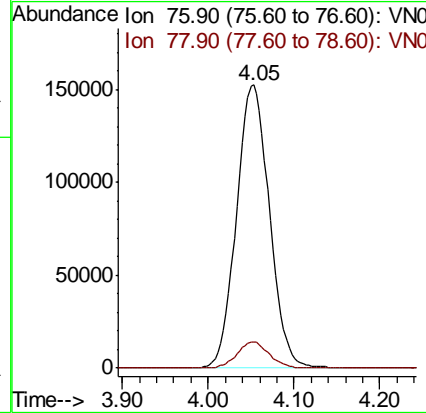
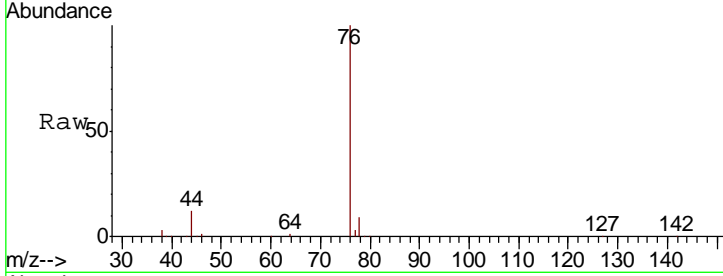
#17
 Carbon Disulfide
 Concen: 19.12 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

Tgt Ion	Resp	Lower	Upper
76	406489		
76	100		
78	9.4	7.3	10.9

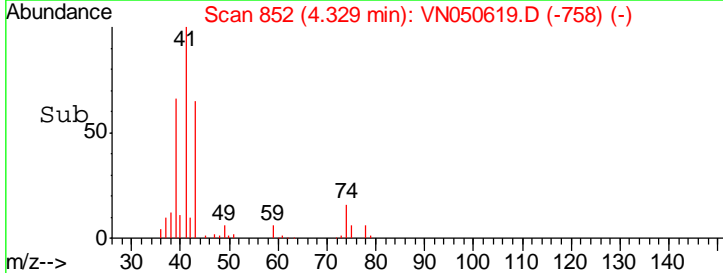
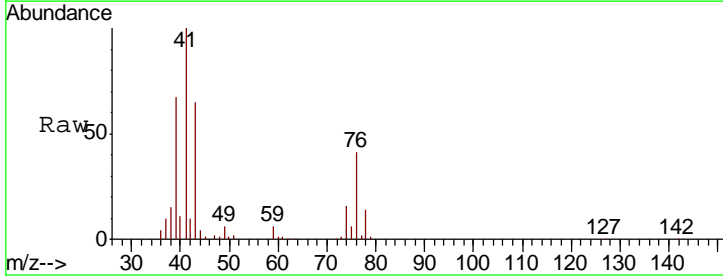
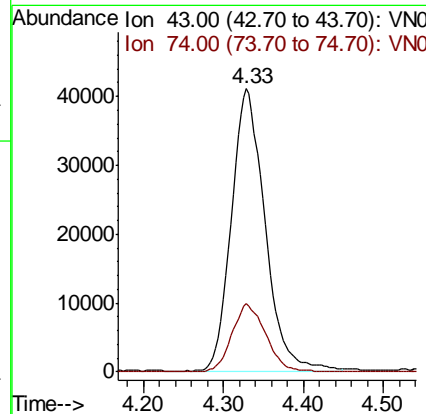
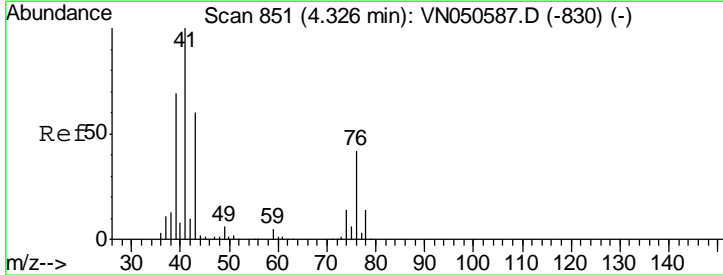
Manual Integrations
 APPROVED

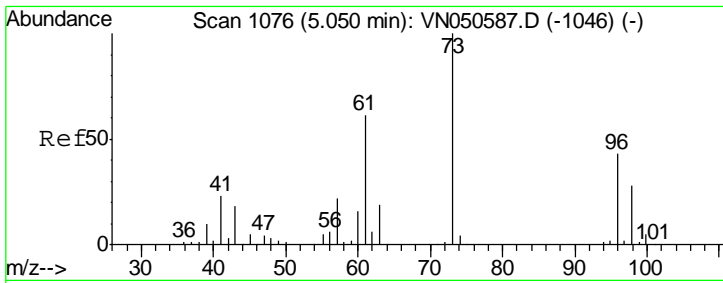
MMDadoda
 8/15/2018 3:32:20 PM



#18
 Methyl Acetate
 Concen: 20.58 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
43	116646		
43	100		
74	24.0	19.7	29.5



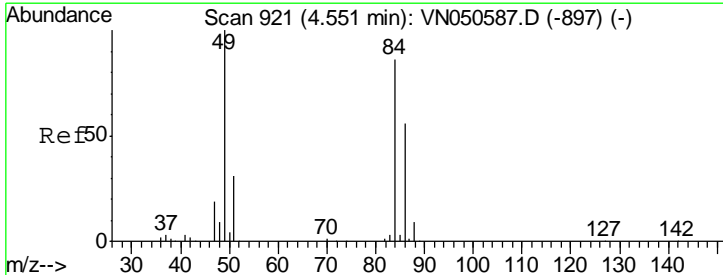
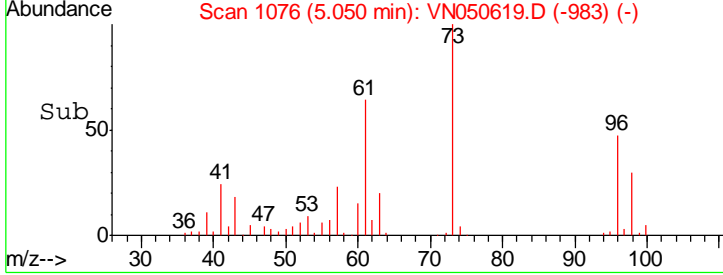
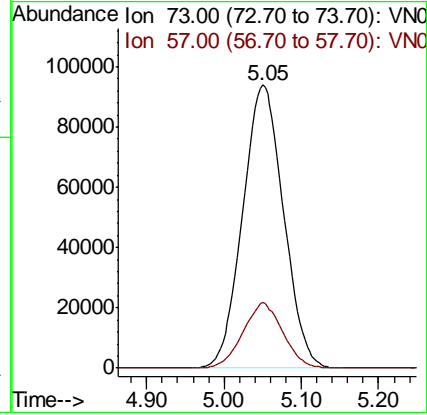
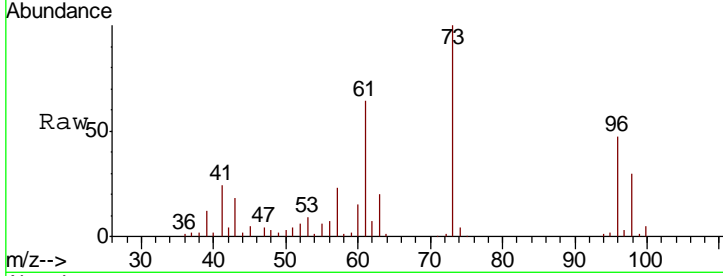


#19
 Methyl tert-butyl Ether
 Concen: 20.08 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
73	100		
57	23.2	17.9	26.9

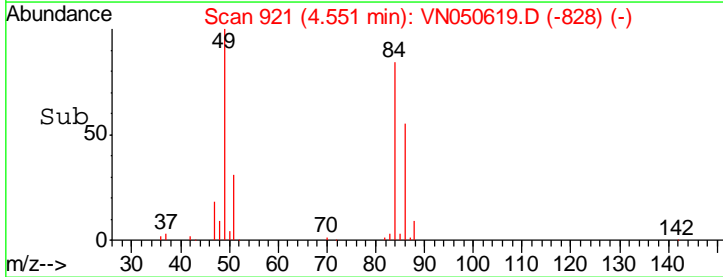
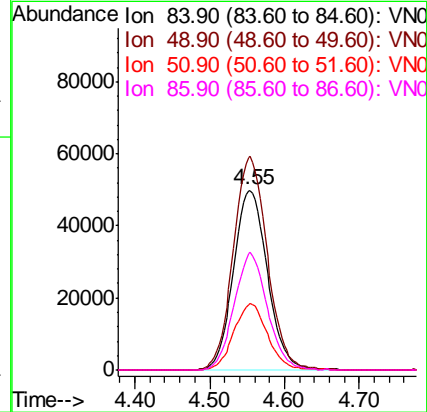
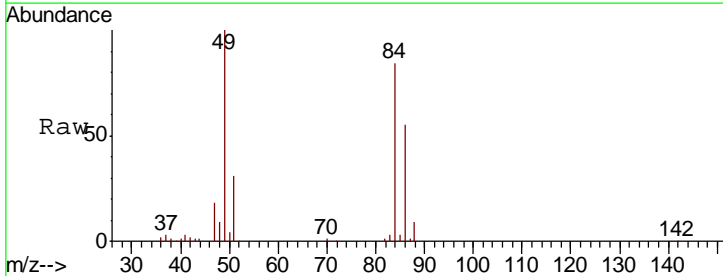
Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

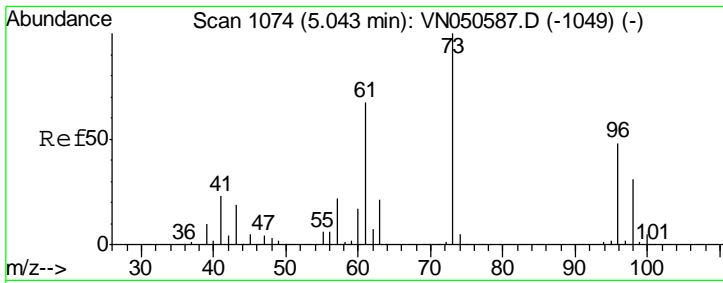
Manual Integrations APPROVED
 MMDadoda
 8/15/2018 3:32:20 PM



#20
 Methylene Chloride
 Concen: 20.42 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
84	100		
49	118.5	92.6	138.8
51	36.2	28.6	43.0
86	64.7	52.2	78.2



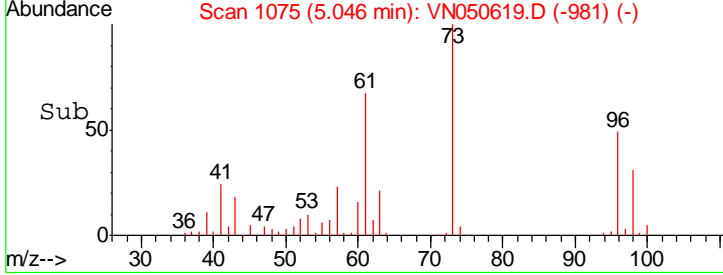
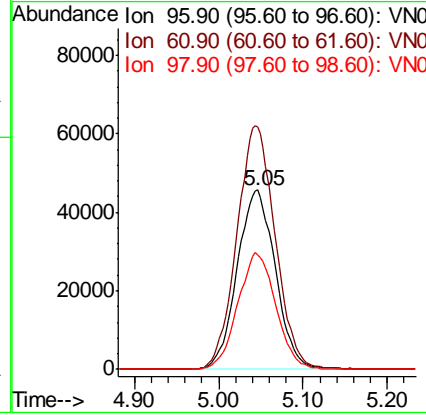
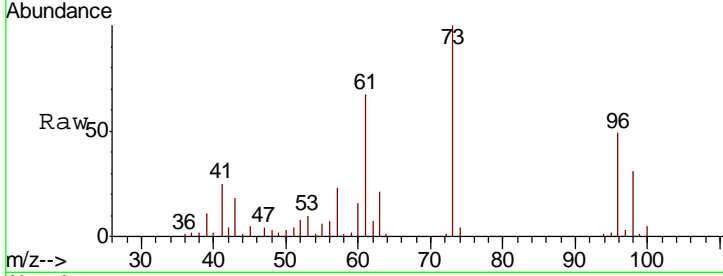


#21
 trans-1,2-Dichloroethene
 Concen: 19.67 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02

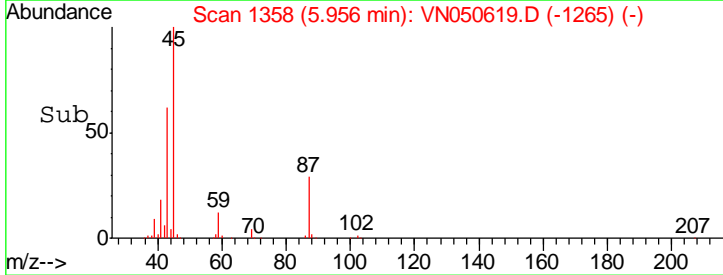
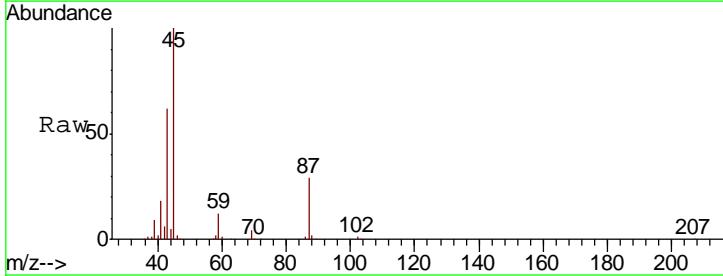
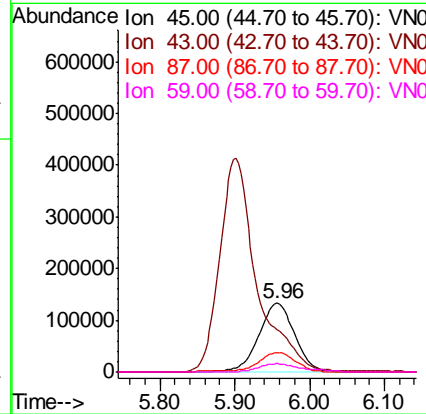
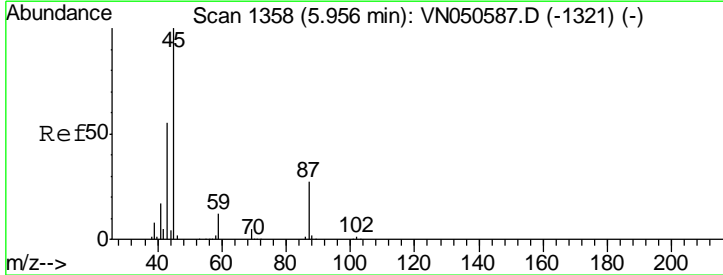
Tgt Ion	Resp	Lower	Upper
96	144026		
96	100		
61	135.4	111.2	166.8
98	63.9	51.6	77.4

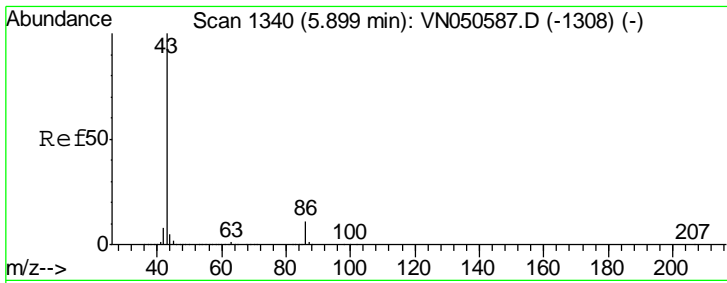
Manual Integrations
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 8/15/2018 3:32:20 PM



#22
 Diisopropyl ether
 Concen: 20.63 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
45	444331		
45	100		
43	59.9	44.5	66.7
87	28.5	22.2	33.2
59	11.8	9.5	14.3





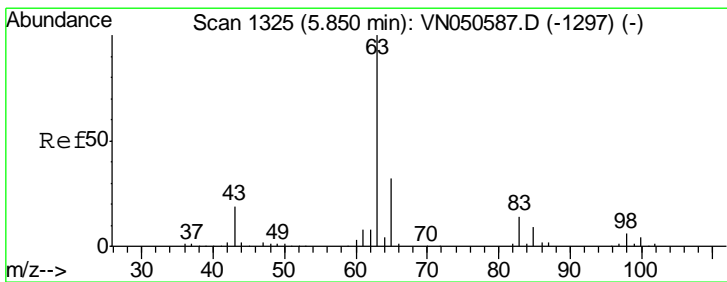
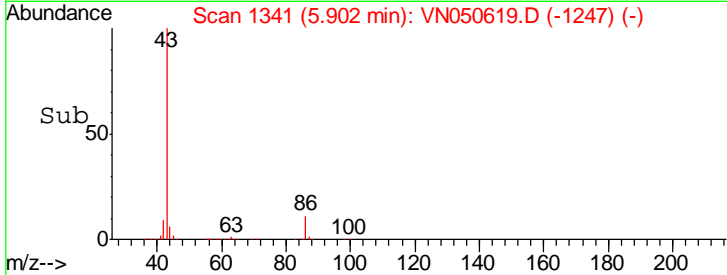
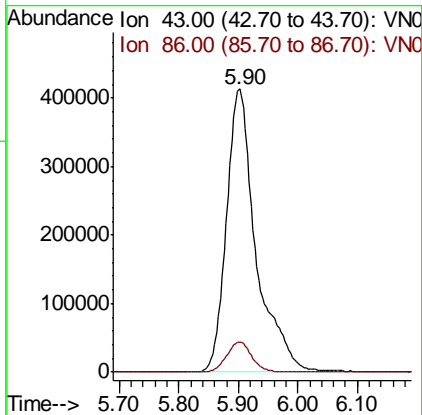
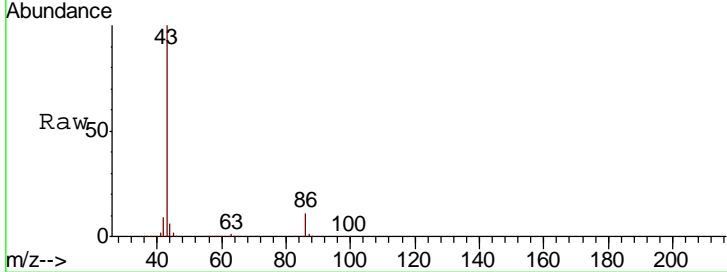
#23
 Vinyl Acetate
 Concen: 101.43 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

Tgt Ion: 43 Resp: 1429201

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.4	12.6

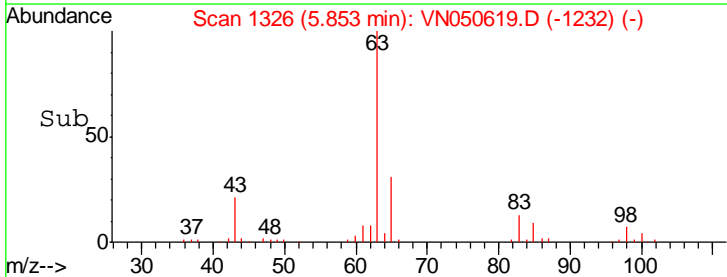
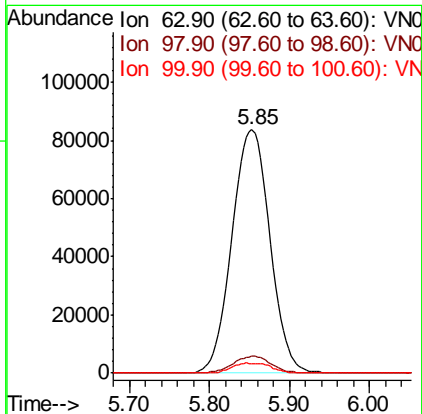
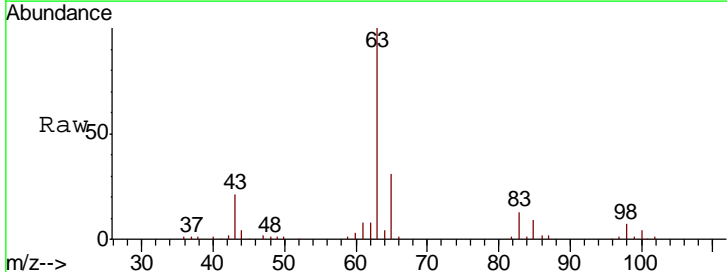
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:32:20 PM

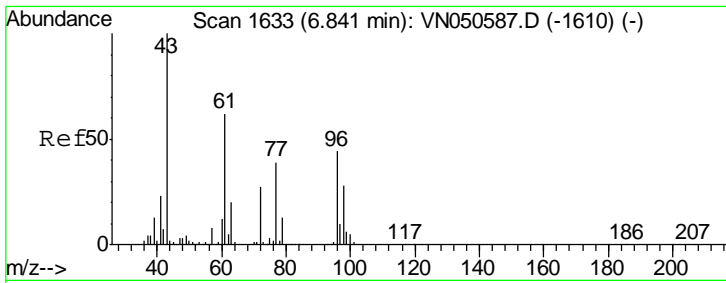


#24
 1,1-Dichloroethane
 Concen: 19.40 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion: 63 Resp: 270345

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.2	9.6
100	4.0	2.1	6.5



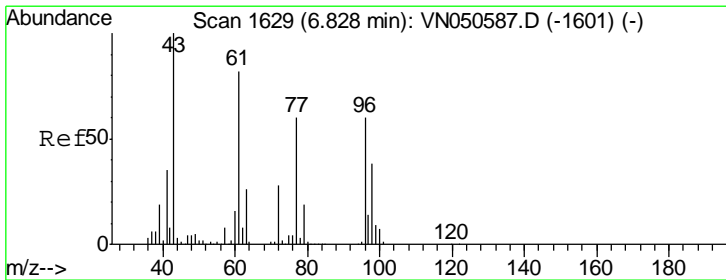
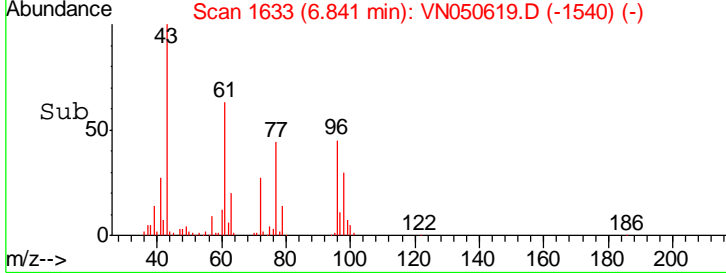
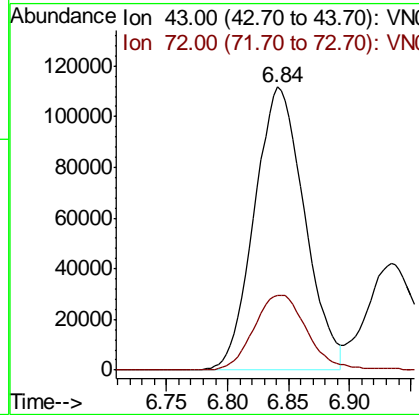
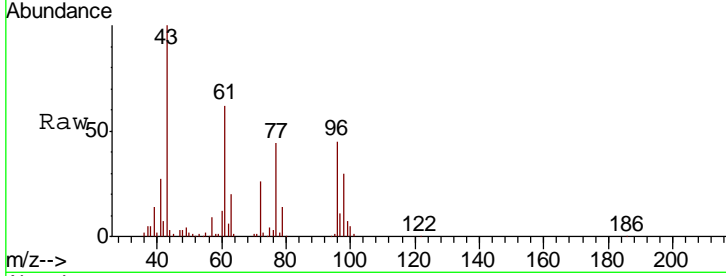


#25
 2-Butanone
 Concen: 98.73 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

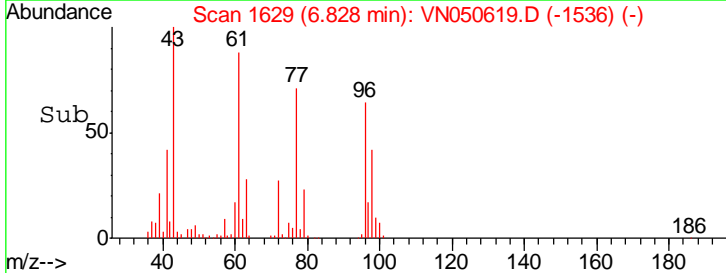
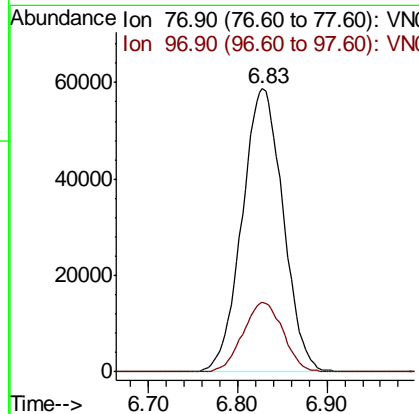
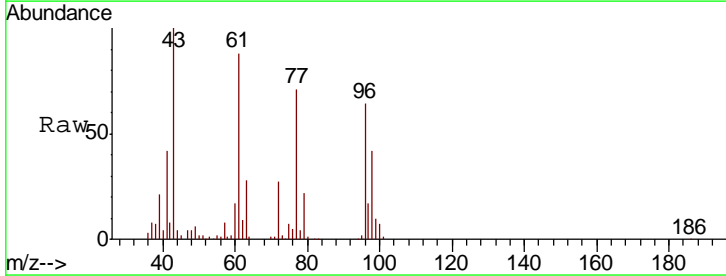
Tgt Ion	Resp	Lower	Upper
43	100		
72	26.5	21.8	32.6

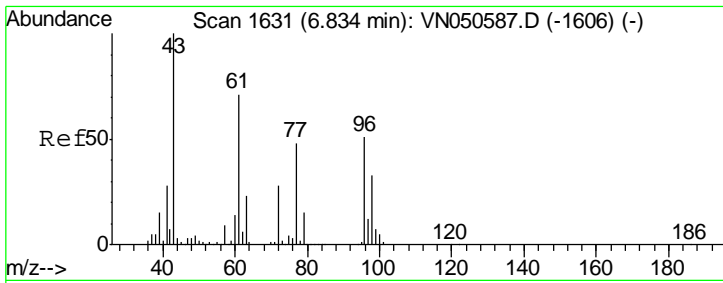
Manual Integrations
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 MMDadoda
 8/15/2018 3:32:20 PM



#26
 2,2-Dichloropropane
 Concen: 20.13 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.0	12.2	36.4



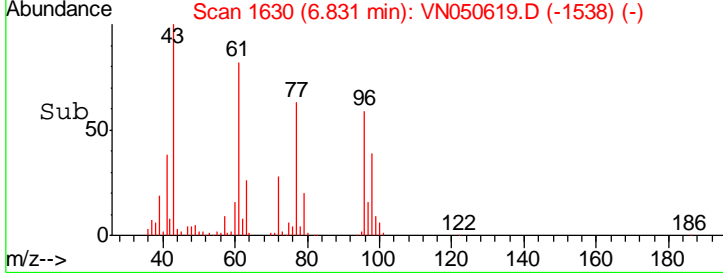
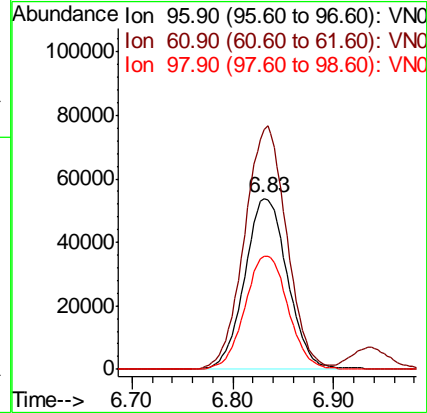
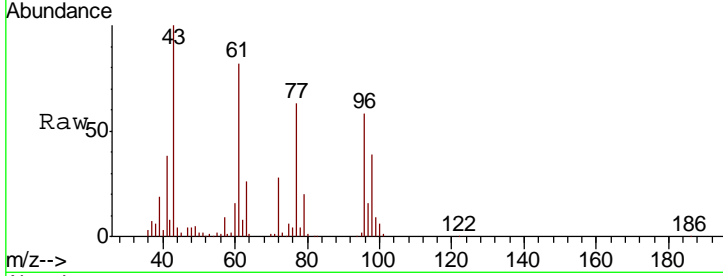


#27
 cis-1,2-Dichloroethene
 Concen: 19.40 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

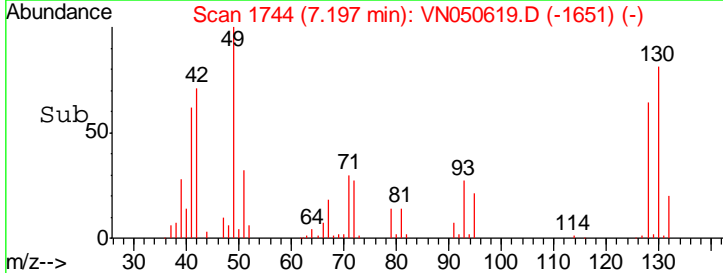
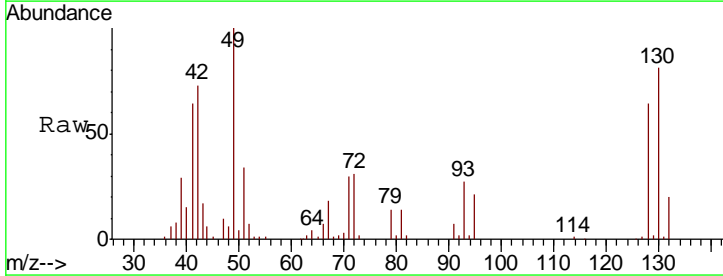
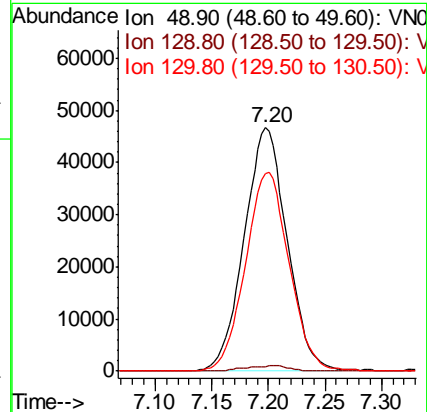
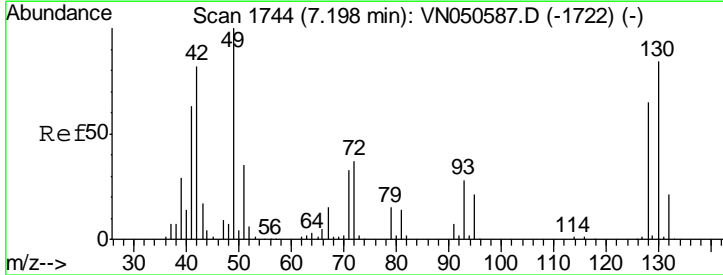
Tgt Ion	Resp	Lower	Upper
96	158152		
96	100		
61	140.8	0.0	278.2
98	66.8	0.0	128.8

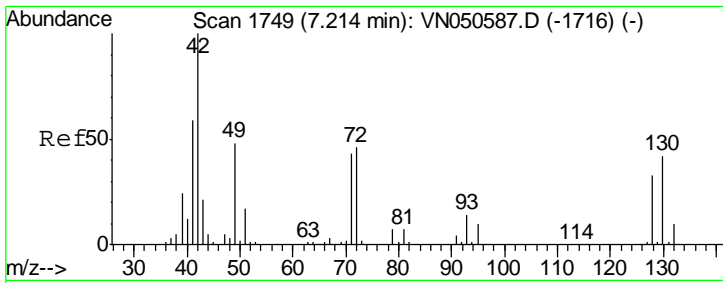
Manual Integrations
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 MMDadoda
 8/15/2018 3:32:20 PM



#28
 Bromochloromethane
 Concen: 19.40 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
49	123081		
49	100		
129	2.2	0.0	4.2
130	83.2	66.8	100.2





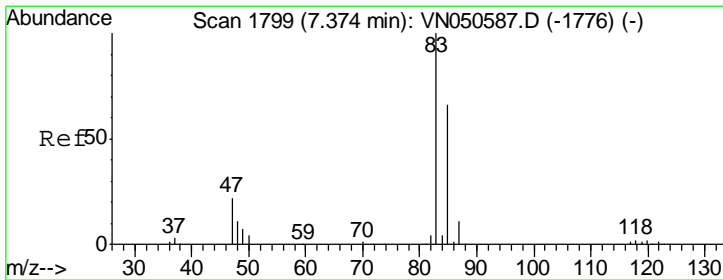
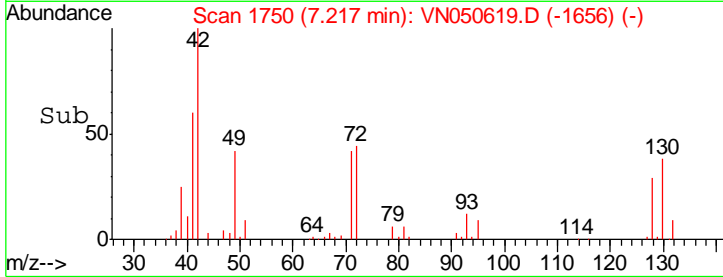
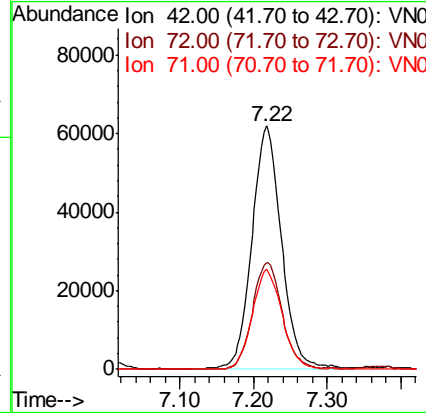
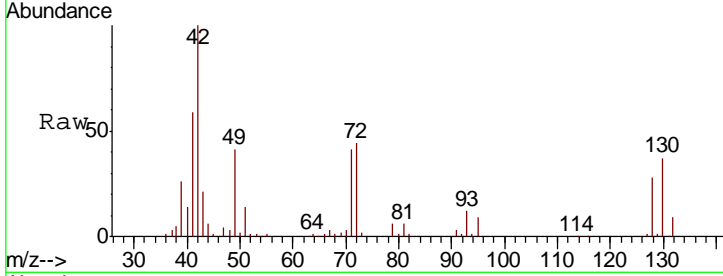
#29
 Tetrahydrofuran
 Concen: 103.42 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02

Tgt Ion	Resp	Lower	Upper
42	173713		
72	43.9	35.8	53.6
71	41.1	33.4	50.0

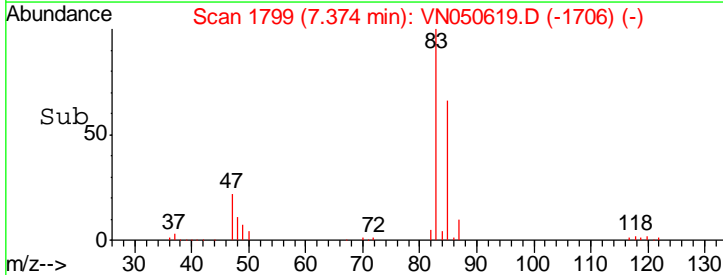
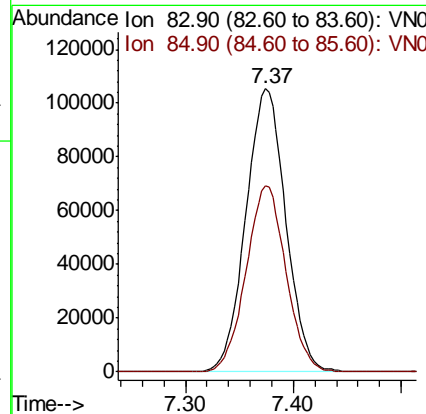
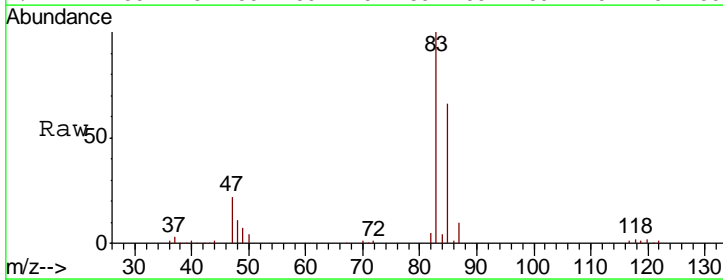
Manual Integrations
 APPROVED

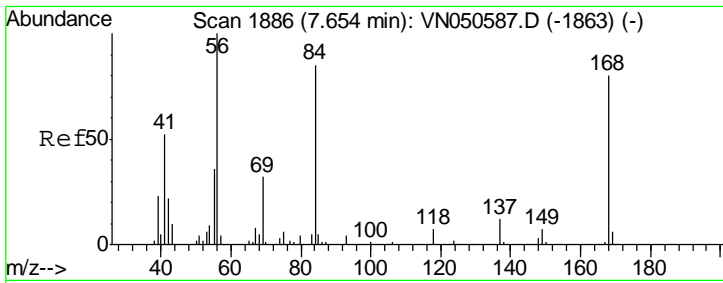
MMDadoda
 8/15/2018 3:32:20 PM



#30
 Chloroform
 Concen: 19.19 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
83	271003		
85	65.8	52.5	78.7





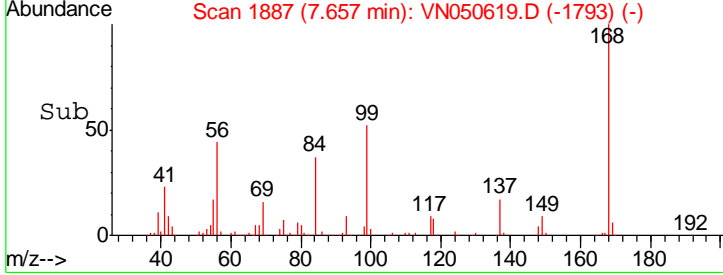
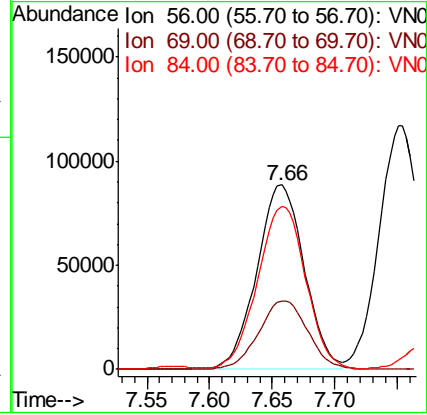
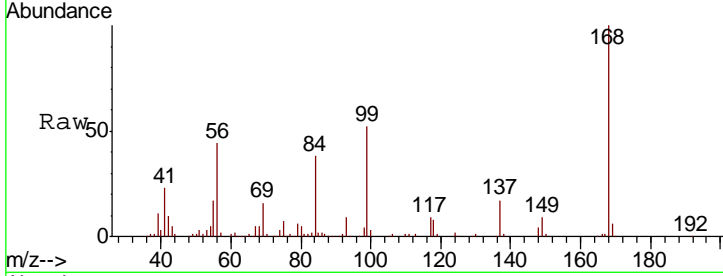
#31
 Cyclohexane
 Concen: 19.49 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02

Tgt Ion	Resp	Lower	Upper
56	100		
69	37.1	25.8	38.6
84	86.8	67.8	101.6

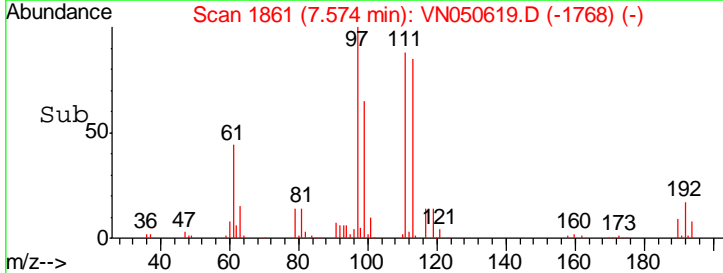
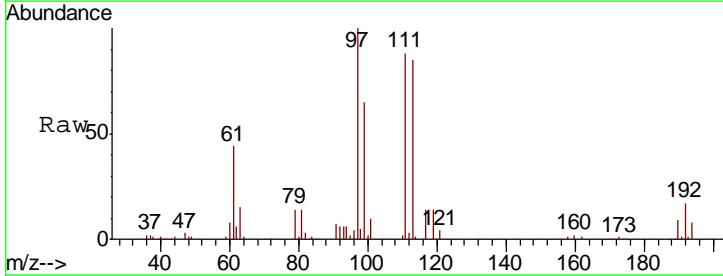
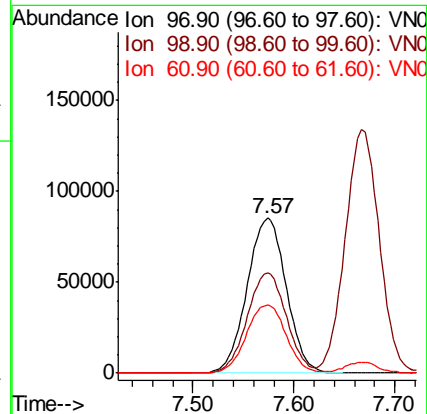
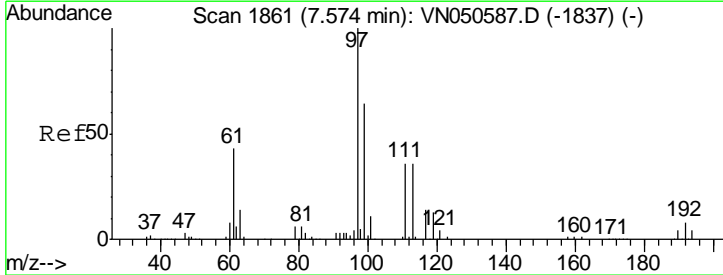
Manual Integrations
 APPROVED

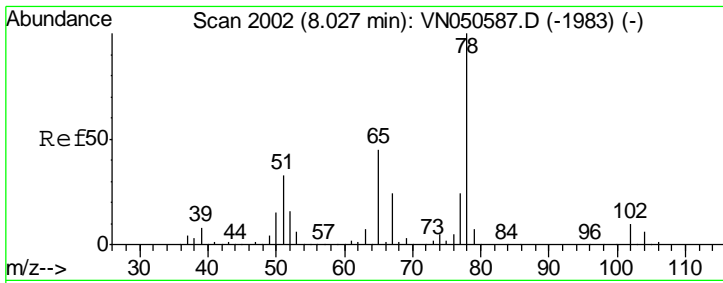
MMDadoda
 8/15/2018 3:32:20 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.29 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	44.5	34.8	52.2





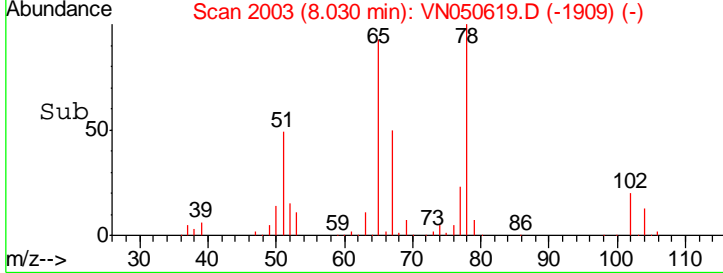
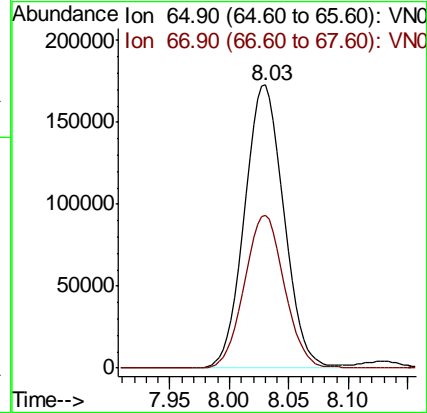
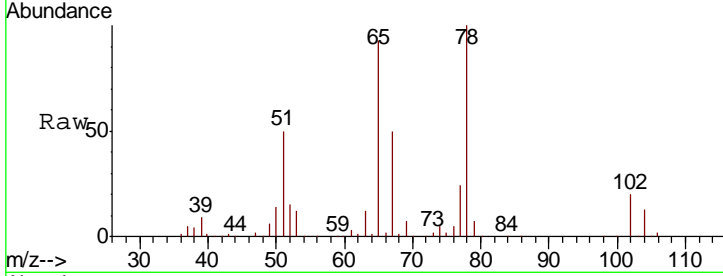
#33
 1,2-Dichloroethane-d4
 Concen: 50.55 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.9	0.0	109.8

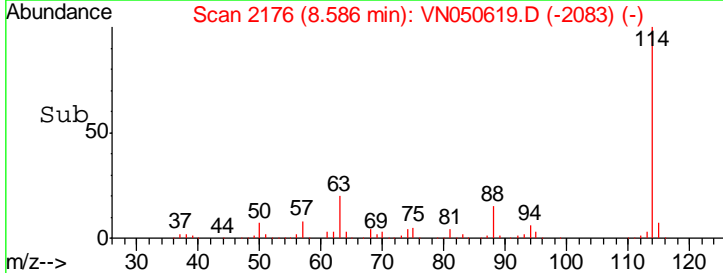
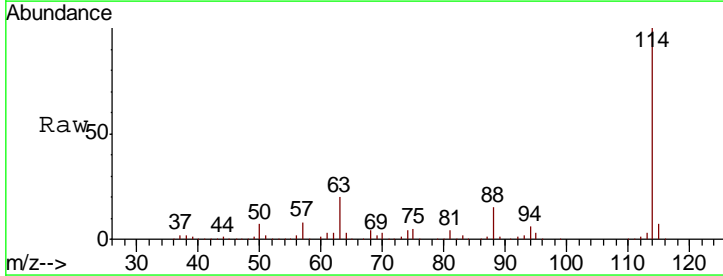
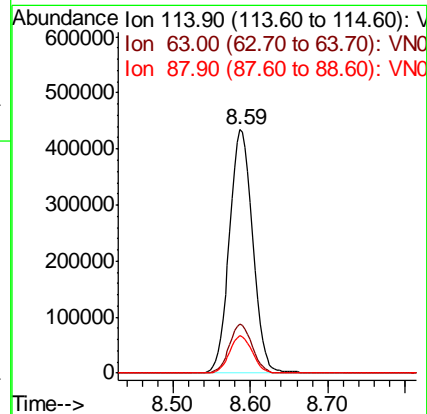
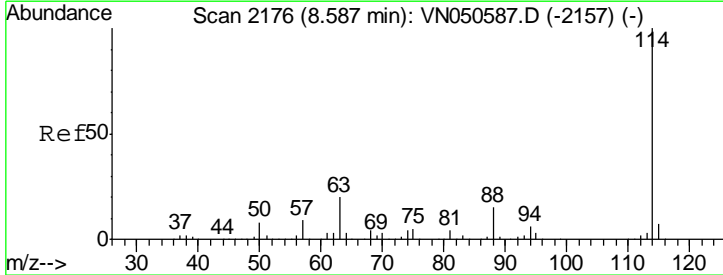
Manual Integrations
 APPROVED

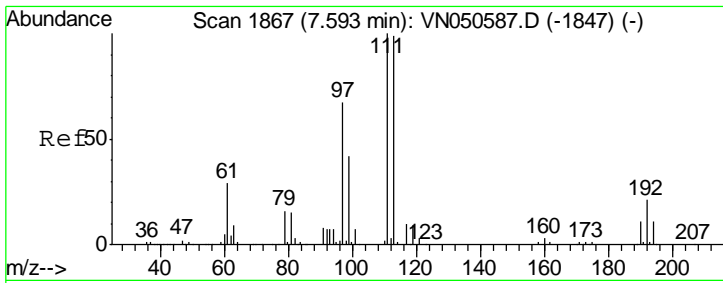
MMDadoda
 8/15/2018 3:32:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

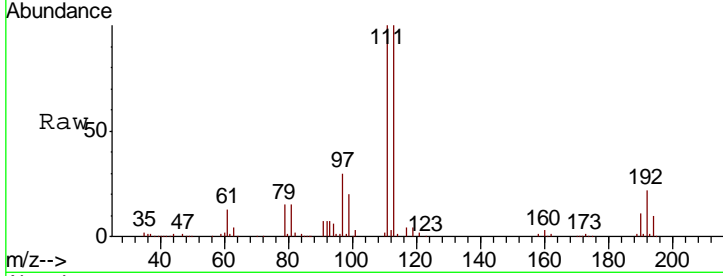
Tgt Ion	Resp	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	15.3	0.0	30.8





#35
 Dibromofluoromethane
 Concen: 51.12 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

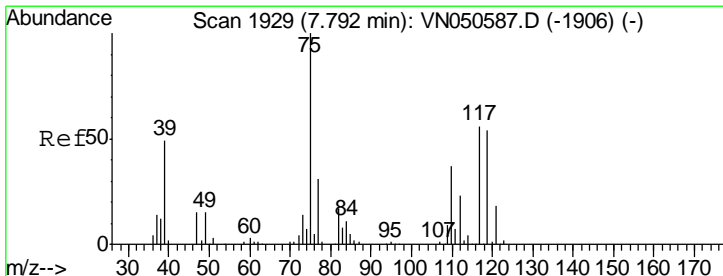
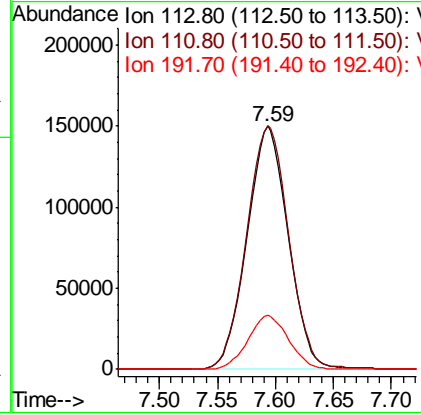
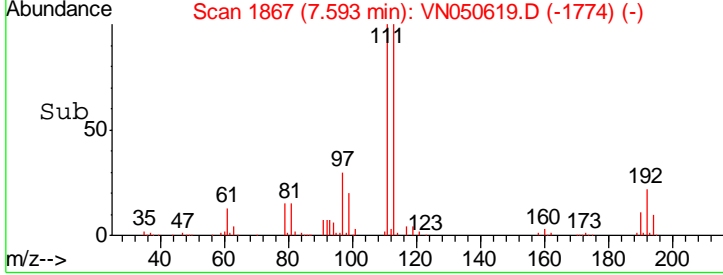
Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02



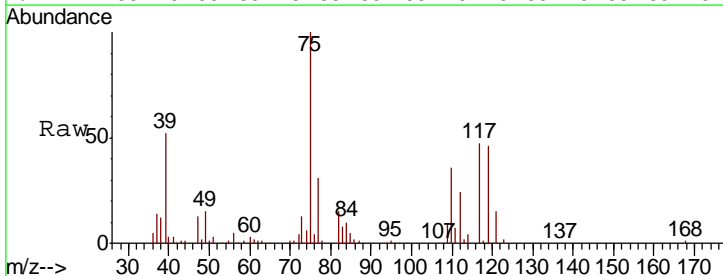
Tgt Ion: 113 Resp: 369406

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.6
192	22.0	17.6	26.4

Manual Integrations
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 MMDadoda
 8/15/2018 3:32:20 PM

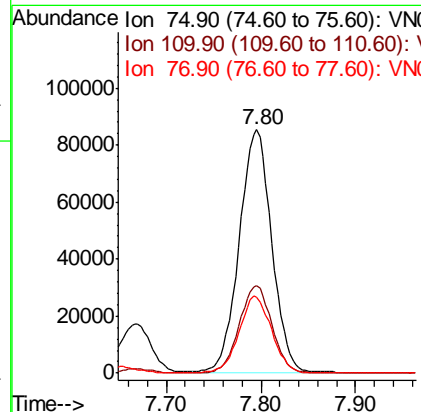
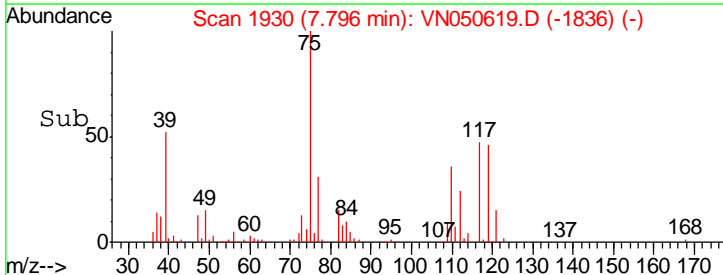


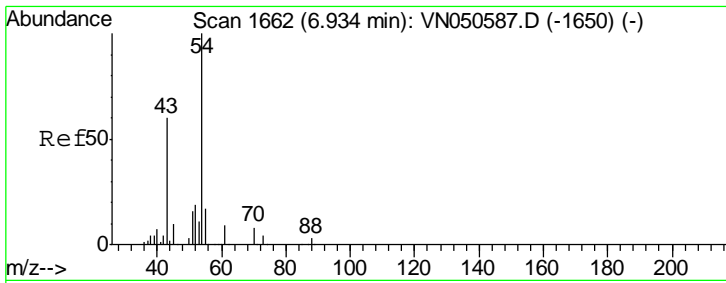
#36
 1,1-Dichloropropene
 Concen: 20.19 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00



Tgt Ion: 75 Resp: 203402

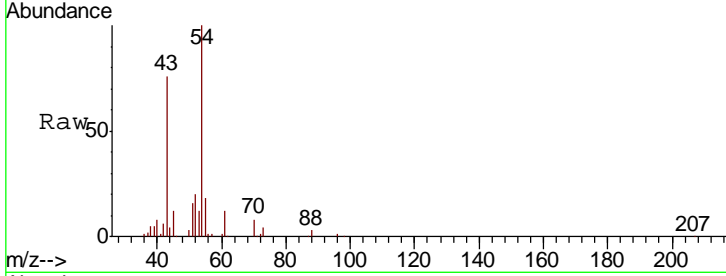
Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.3	54.9
77	31.8	25.0	37.4





#37
 Ethyl Acetate
 Concen: 21.55 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

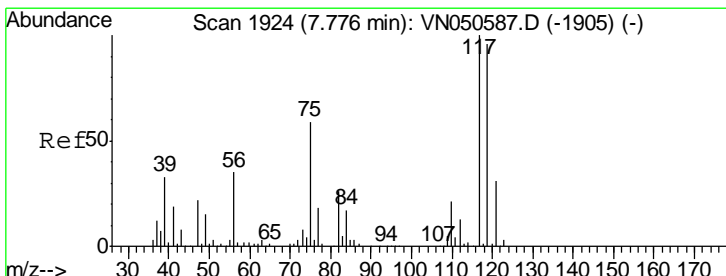
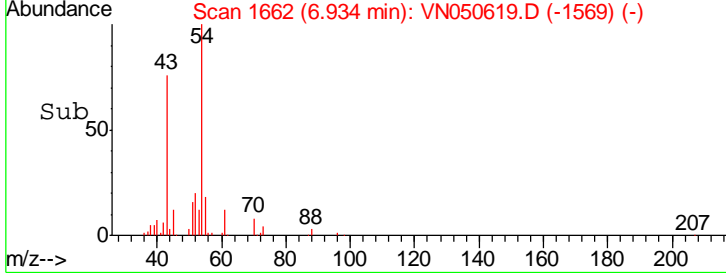
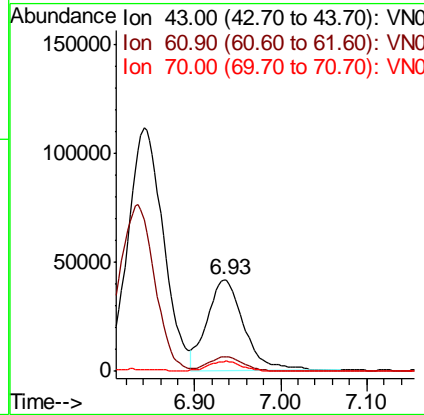
Instrument : MSVOA_N
 ClientSampled : VN0814WBS02



Tgt Ion: 43 Resp: 122741

Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	9.7	8.5	12.7

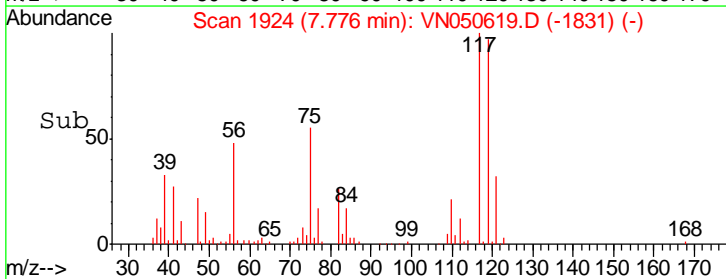
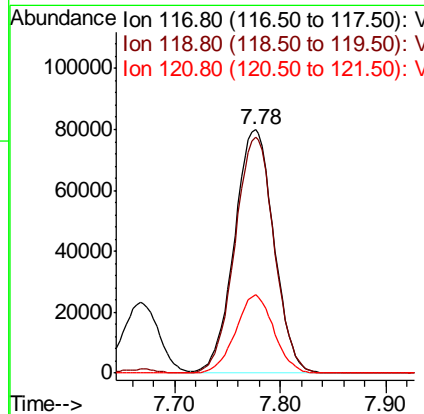
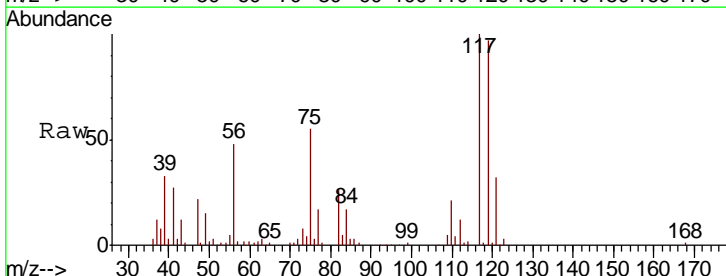
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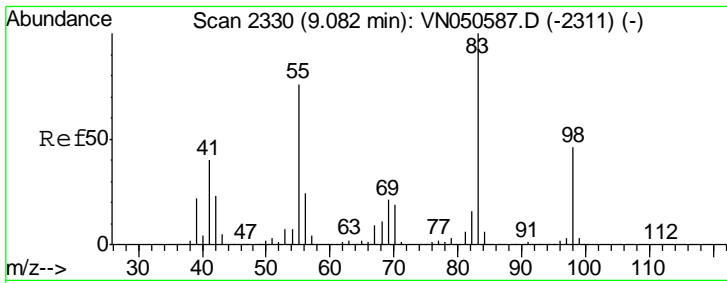


#38
 Carbon Tetrachloride
 Concen: 19.91 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion: 117 Resp: 208132

Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.6	115.0
121	32.0	25.0	37.6



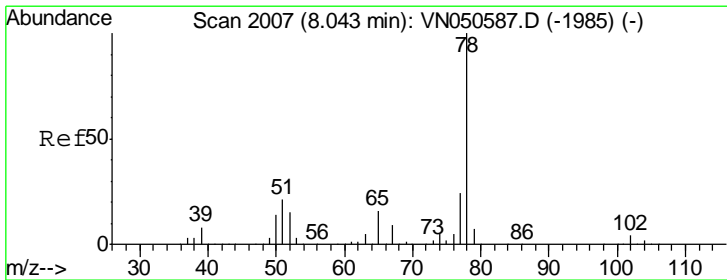
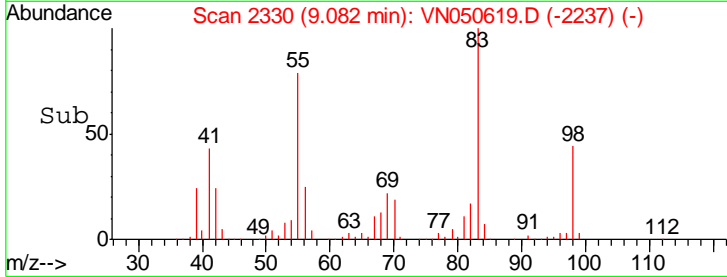
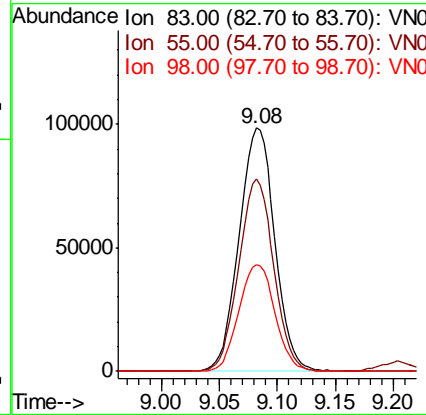
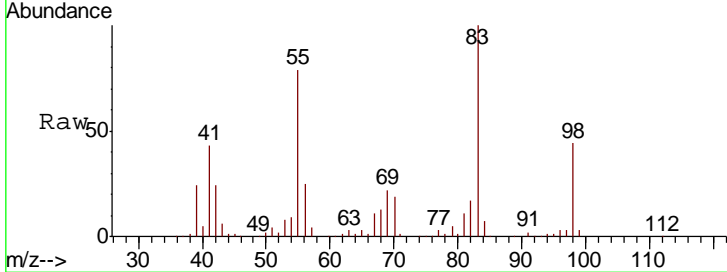


#39
 Methylcyclohexane
 Concen: 20.18 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02

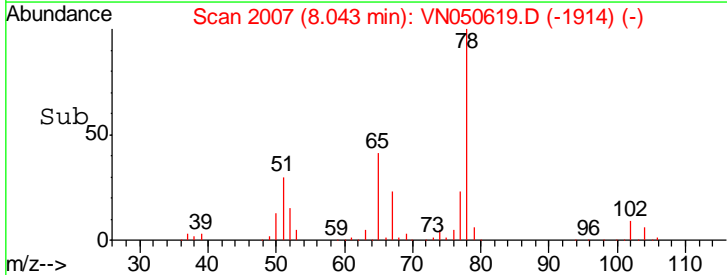
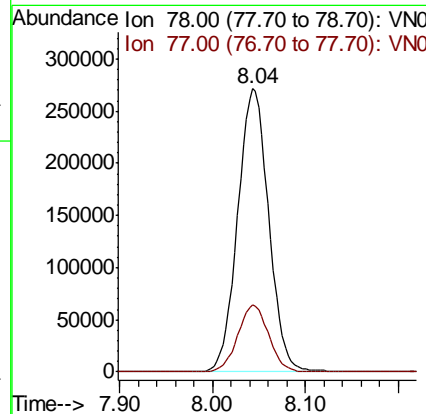
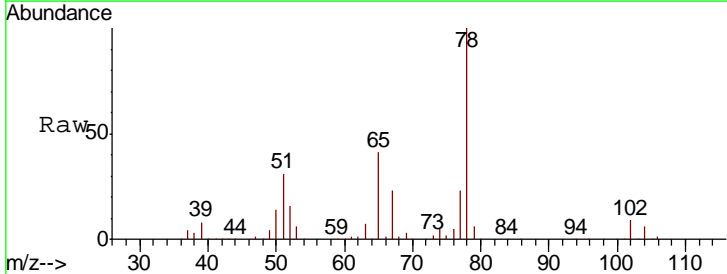
Tgt Ion	Resp	Lower	Upper
83	210536		
83	100		
55	79.1	60.6	91.0
98	43.9	37.0	55.4

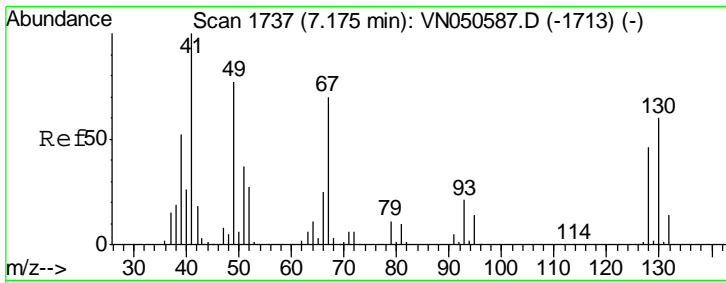
Manual Integrations
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#40
 Benzene
 Concen: 20.55 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

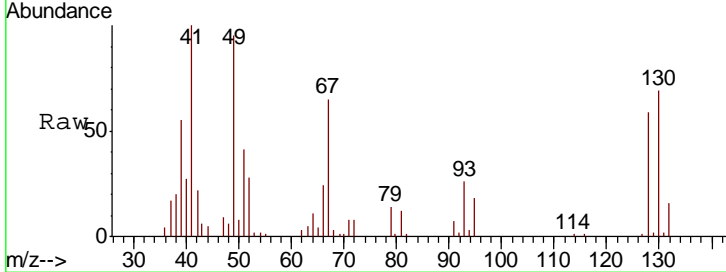
Tgt Ion	Resp	Lower	Upper
78	629806		
78	100		
77	23.5	19.0	28.6





#41
 Methacrylonitrile
 Concen: 17.99 ug/l
 RT: 7.18 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

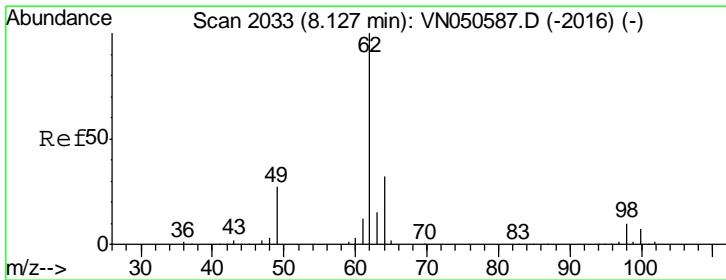
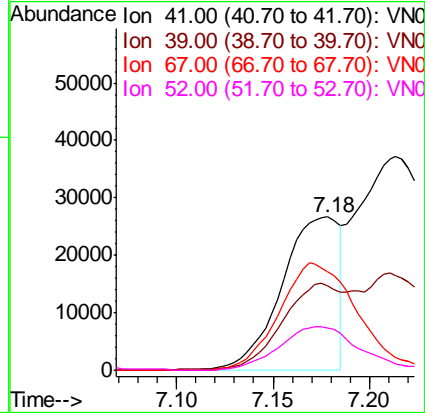
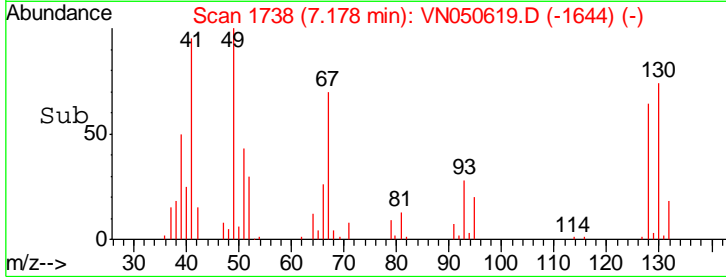
Instrument : MSVOA_N
 ClientSampled : VN0814WBS02



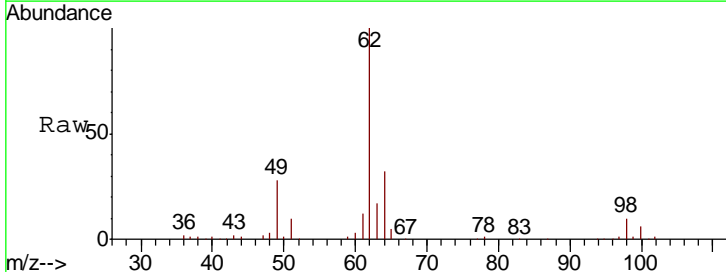
Tgt Ion: 41 Resp: 55404

Ion	Ratio	Lower	Upper
41	100		
39	58.4	44.6	66.8
67	95.0	66.7	100.1
52	39.8	26.5	39.7#

Manual Integrations APPROVED
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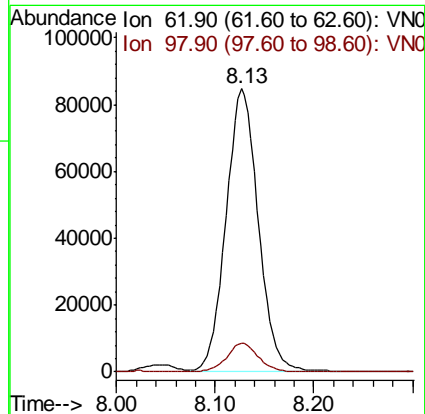
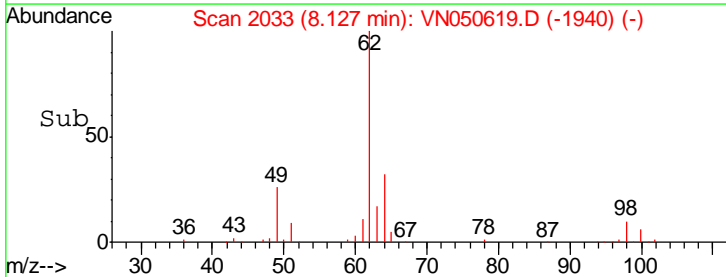


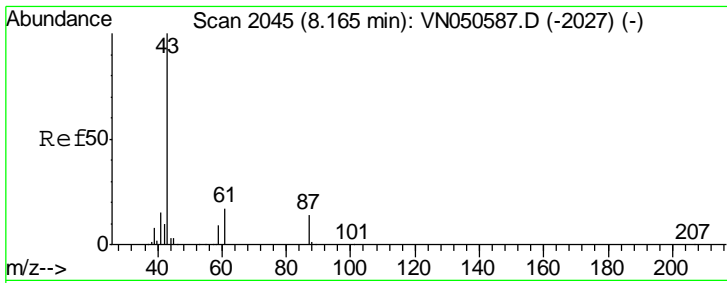
#42
 1,2-Dichloroethane
 Concen: 20.49 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00



Tgt Ion: 62 Resp: 192538

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4



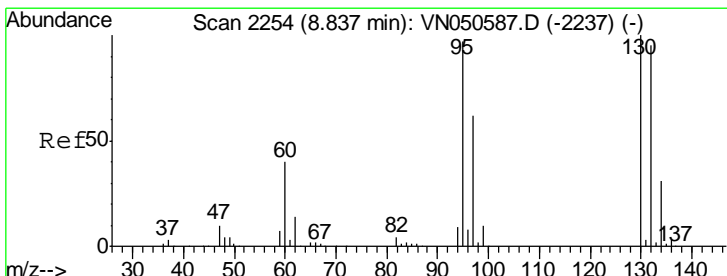
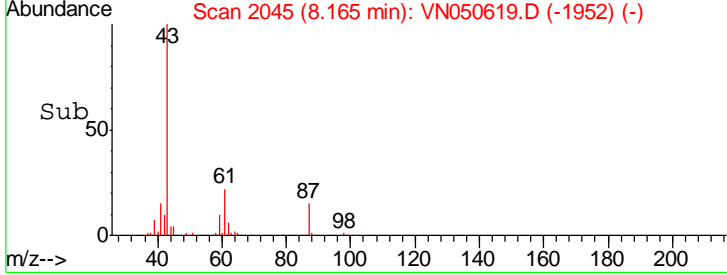
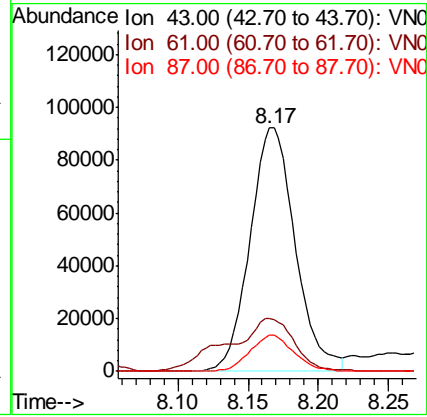
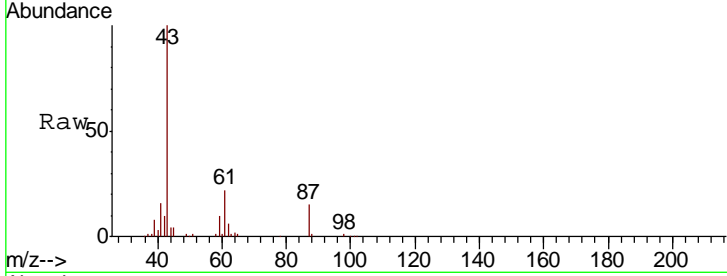


#43
 Isopropyl Acetate
 Concen: 19.81 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

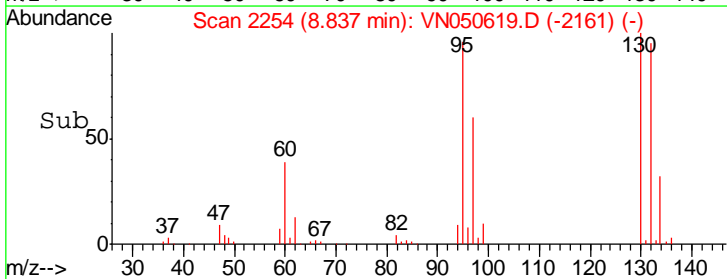
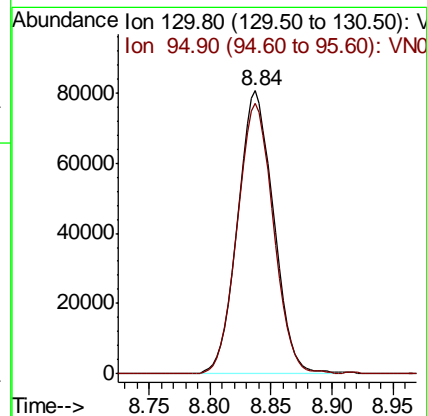
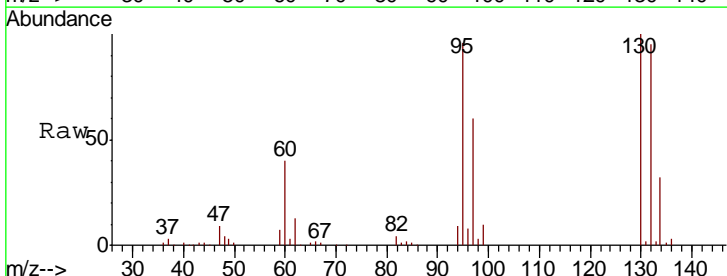
Tgt Ion	Resp	Lower	Upper
43	100		
61	20.3	16.2	24.2
87	14.6	10.9	16.3

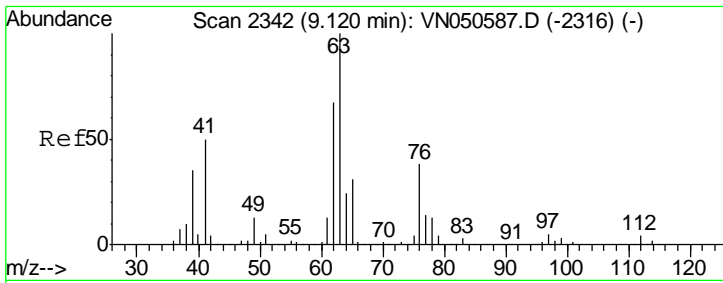
Manual Integrations
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 MMDadoda
 8/15/2018 3:32:20 PM



#44
 Trichloroethene
 Concen: 20.00 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
130	100		
95	95.7	0.0	193.8





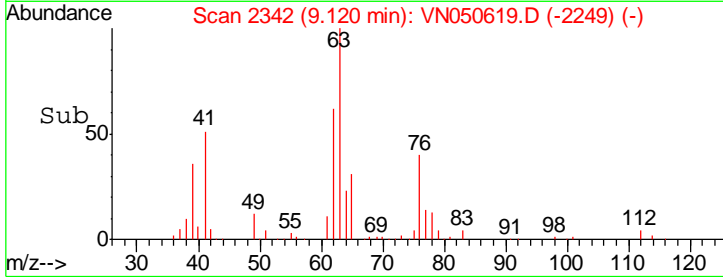
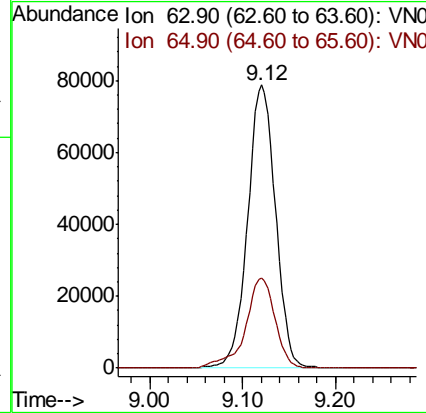
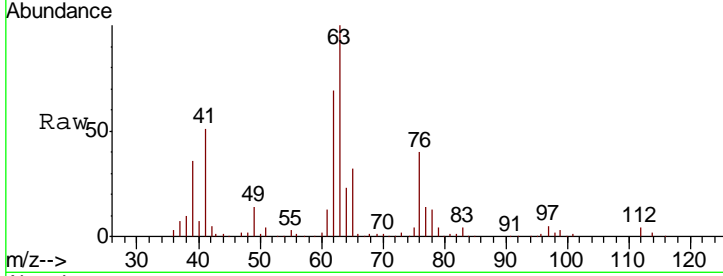
#45
 1,2-Dichloropropane
 Concen: 20.16 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

Tgt Ion	Resp	Lower	Upper
63	164508		
65	31.9	24.5	36.7

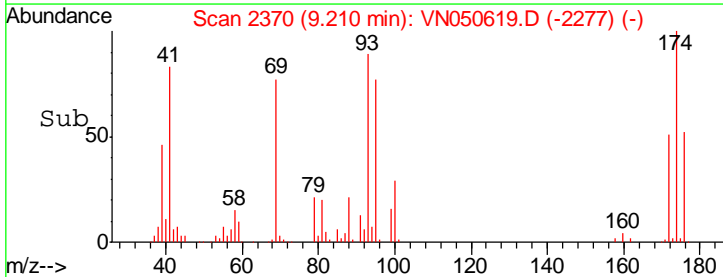
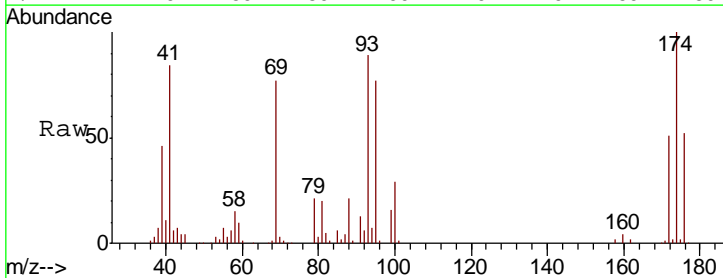
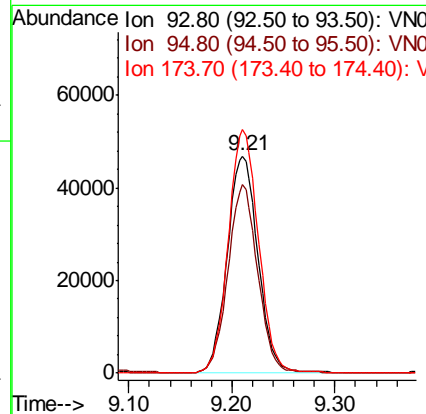
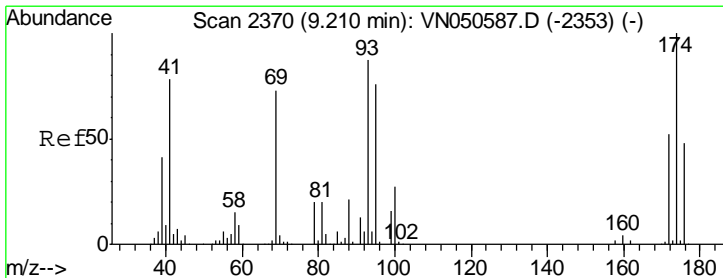
Manual Integrations
 APPROVED

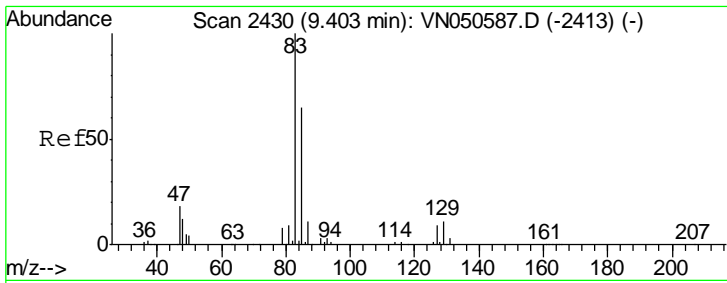
MMDadoda
 8/15/2018 3:32:20 PM



#46
 Dibromomethane
 Concen: 20.27 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
93	97674		
95	83.8	69.1	103.7
174	110.1	91.0	136.6





#47

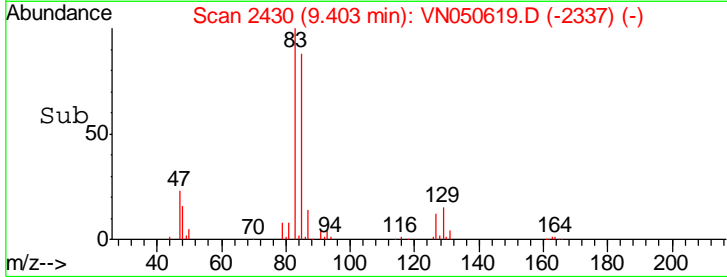
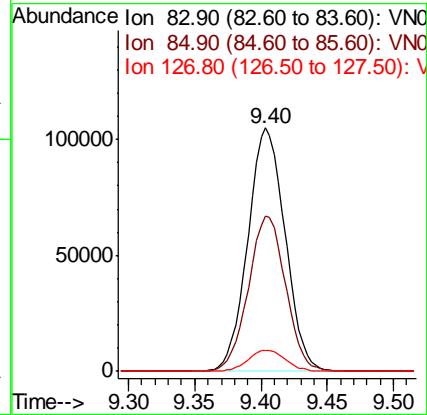
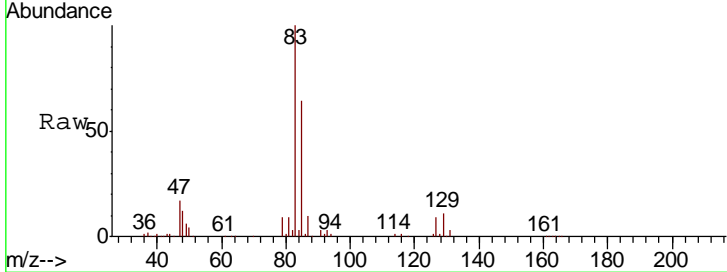
Bromodichloromethane
 Concen: 19.95 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

Tgt Ion	Resp	Lower	Upper
83	205511		
85	63.6	51.8	77.6
127	8.6	7.2	10.8

Manual Integrations
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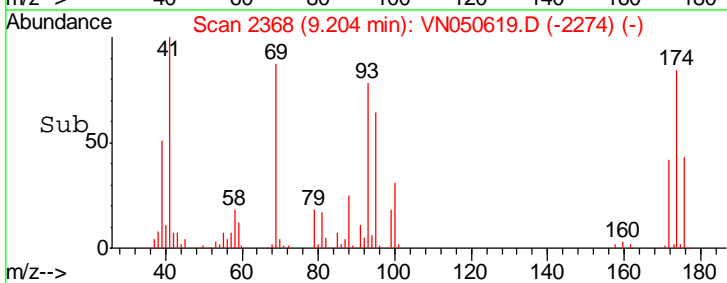
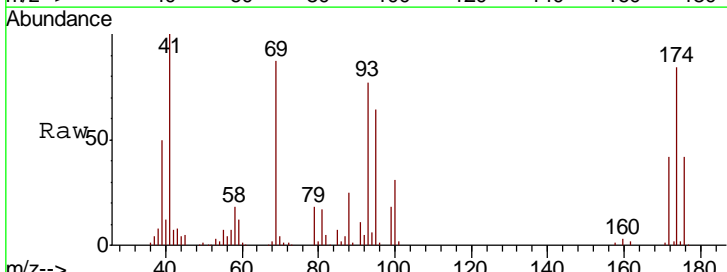
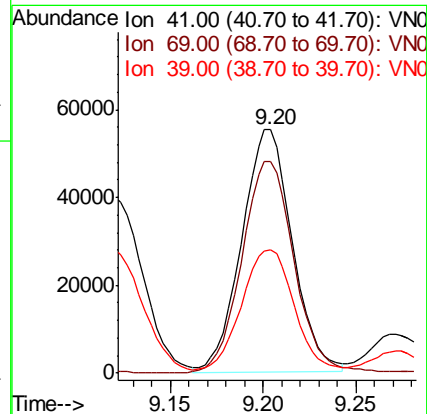
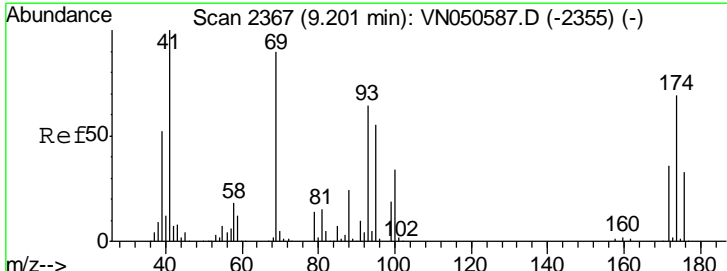
MMDadoda
 8/15/2018 3:32:20 PM

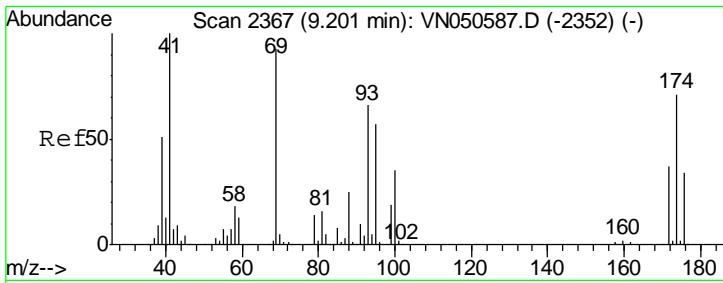


#48

Methyl methacrylate
 Concen: 20.03 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

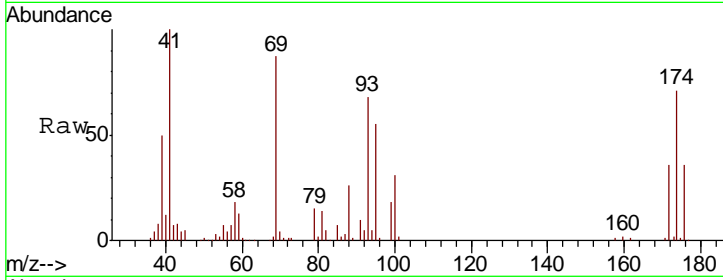
Tgt Ion	Resp	Lower	Upper
41	104605		
69	90.8	73.4	110.0
39	52.8	43.0	64.6





#49
 1,4-Dioxane
 Concen: 417.96 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

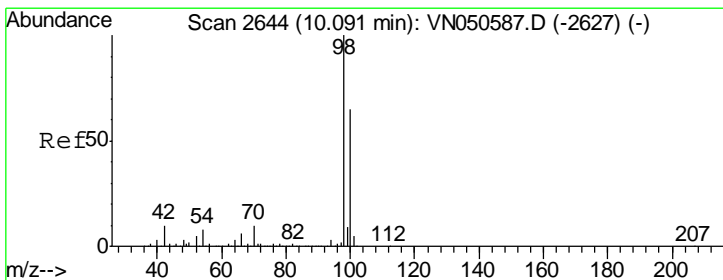
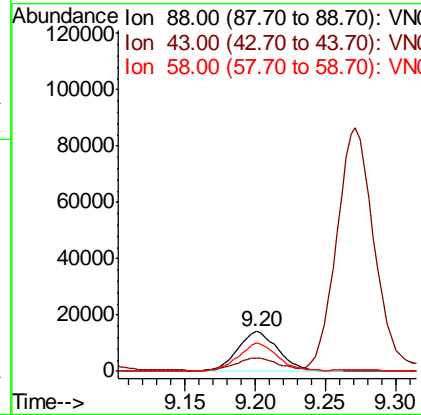
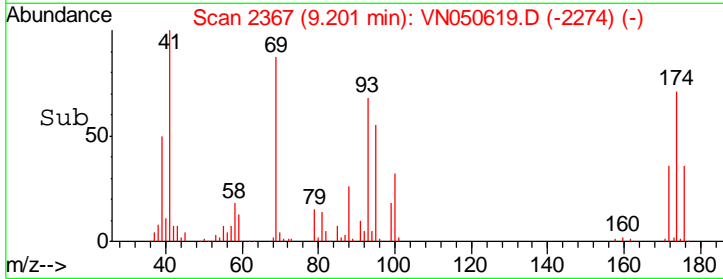
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS02



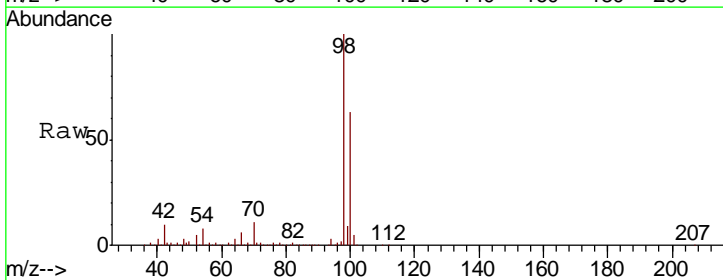
Tgt Ion: 88 Resp: 28759

Ion	Ratio	Lower	Upper
88	100		
43	32.6	25.9	38.9
58	69.1	56.5	84.7

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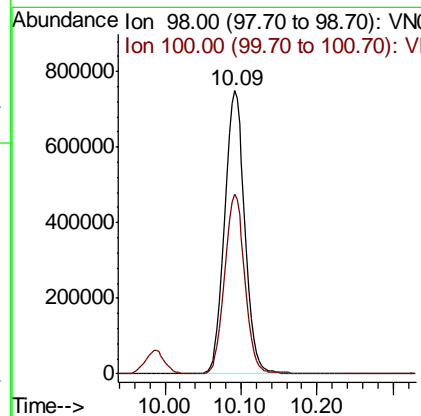
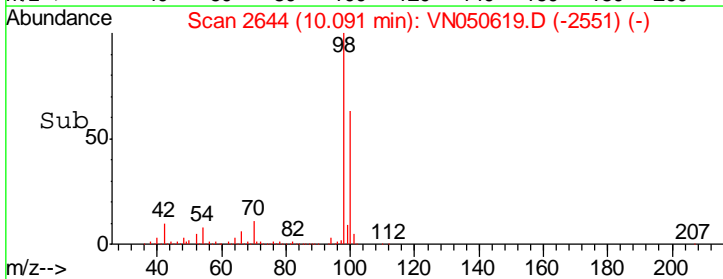


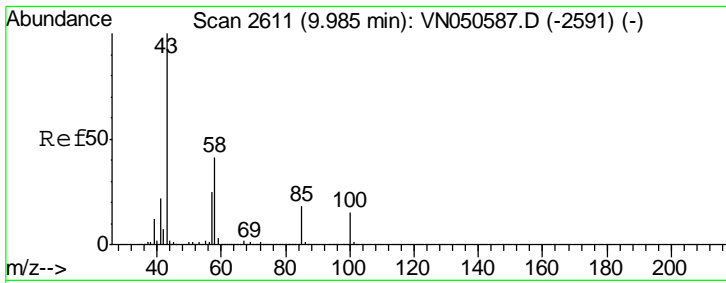
#50
 Toluene-d8
 Concen: 50.94 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00



Tgt Ion: 98 Resp: 1385385

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.8	77.8





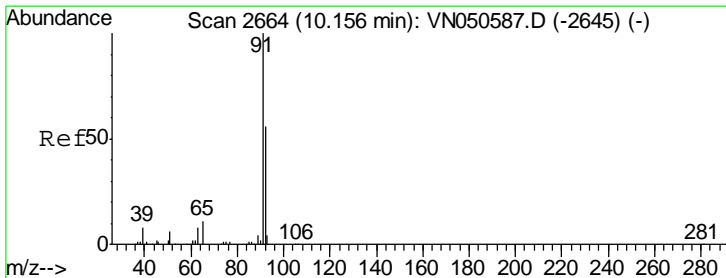
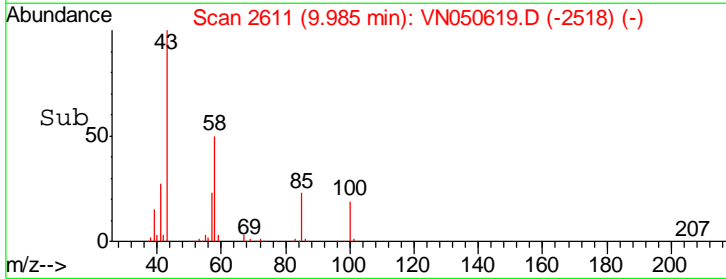
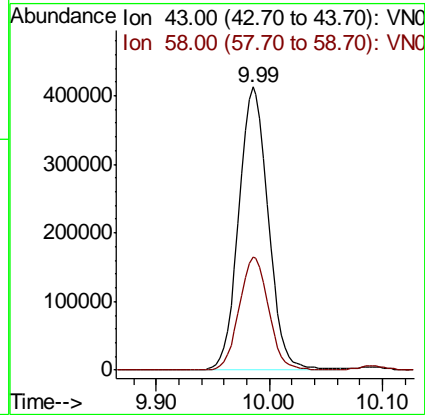
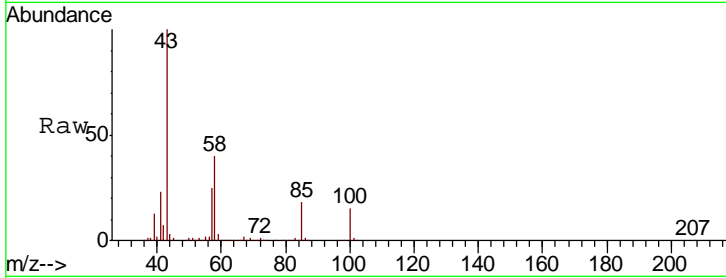
#51
 4-Methyl-2-Pentanone
 Concen: 106.71 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.5	48.7

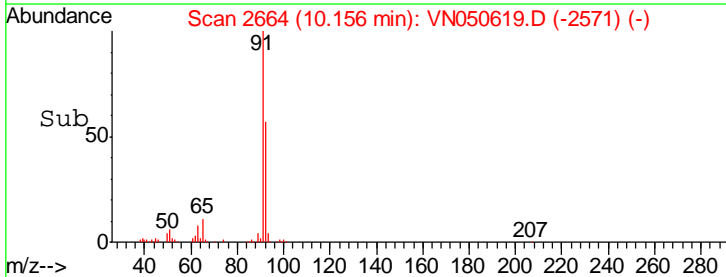
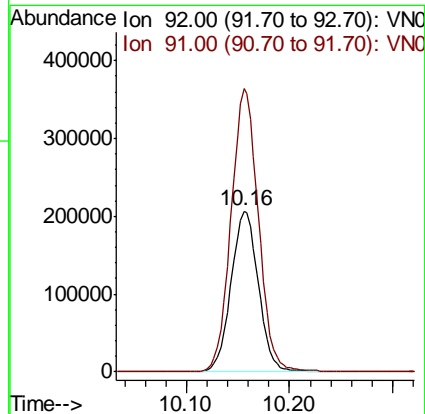
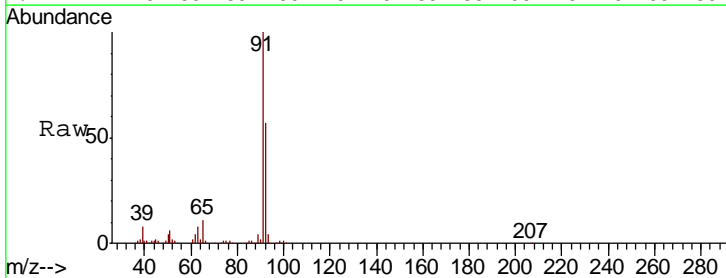
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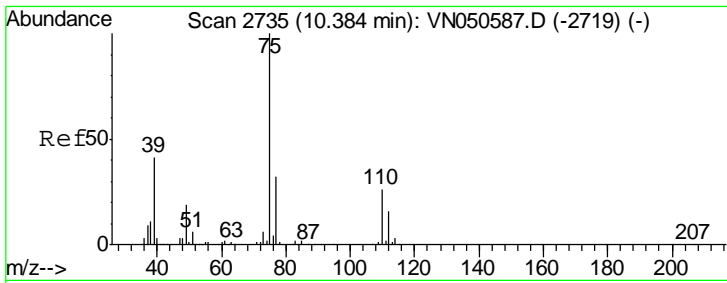
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#52
 Toluene
 Concen: 20.91 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.9	141.9	212.9



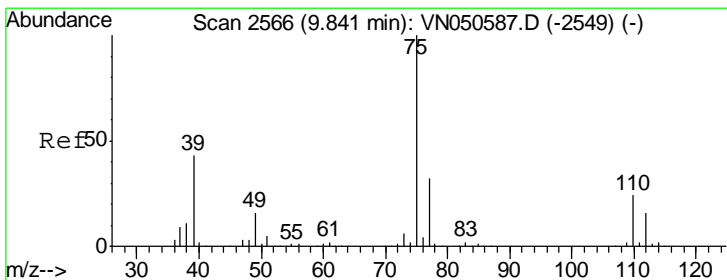
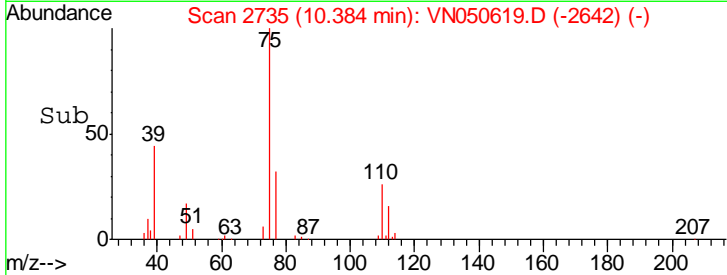
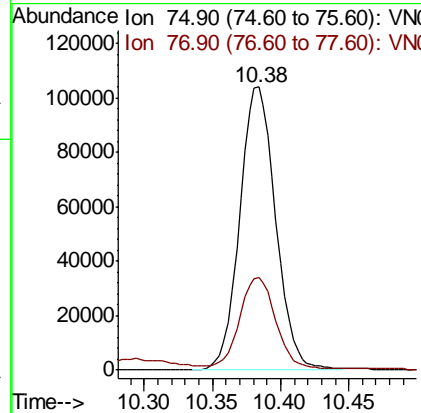
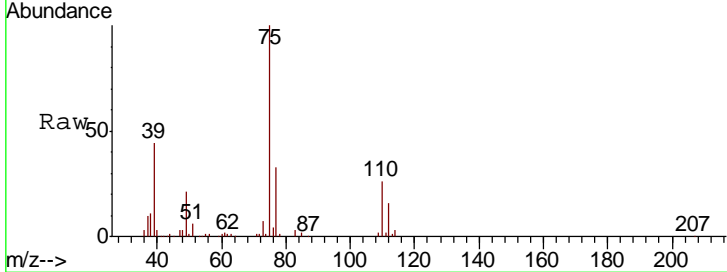


#53
 t-1,3-Dichloropropene
 Concen: 19.86 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

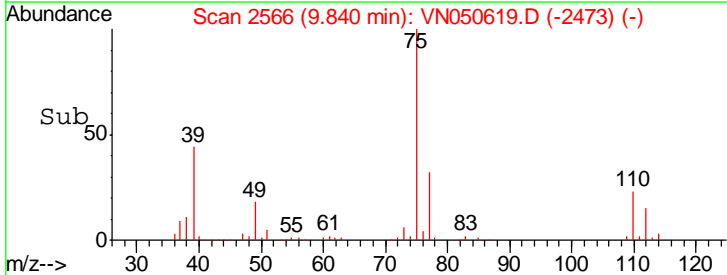
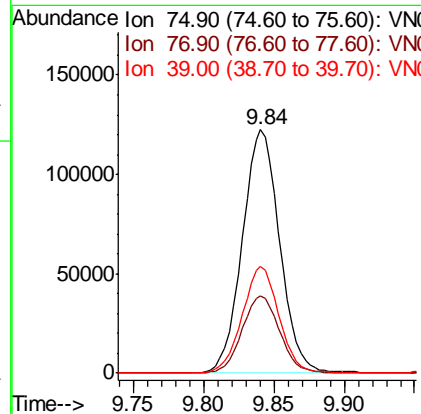
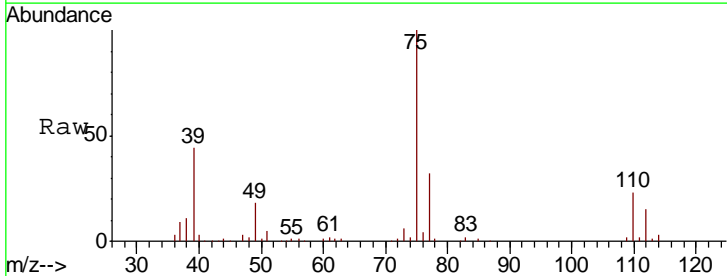
Tgt Ion	Resp	Lower	Upper
75	190511		
75	100		
77	32.0	25.8	38.6

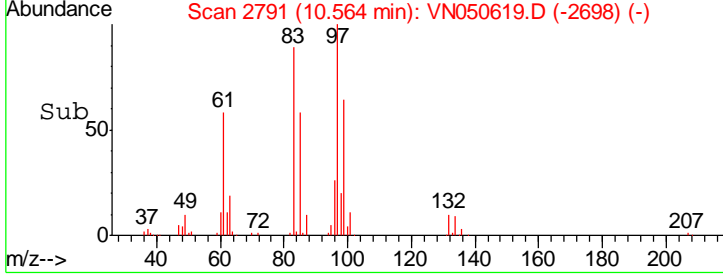
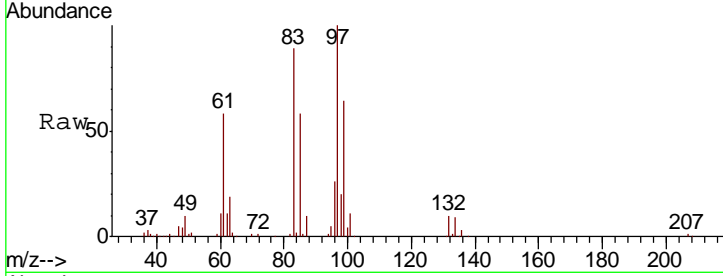
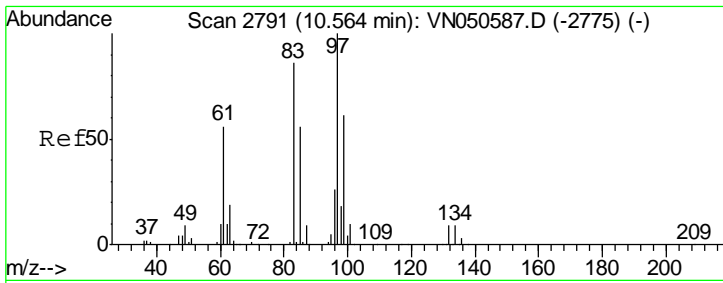
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 20.64 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
75	227184		
75	100		
77	31.9	25.6	38.4
39	44.1	34.4	51.6



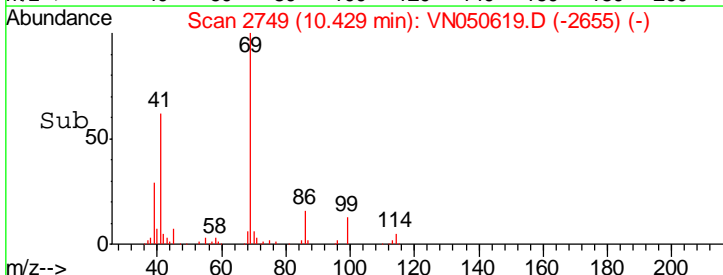
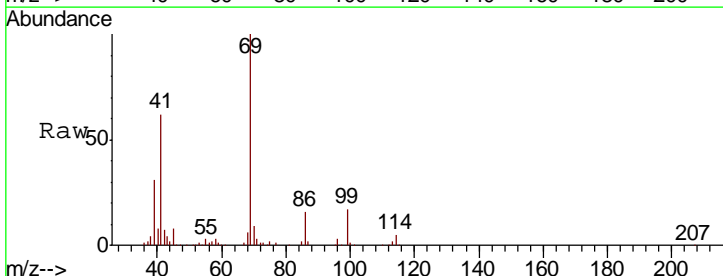
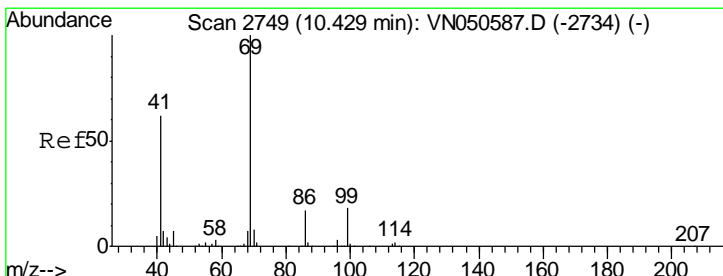
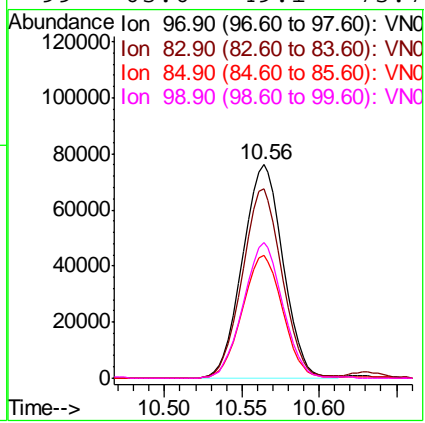


#55
 1,1,2-Trichloroethane
 Concen: 20.33 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
97	138999		
97	100		
83	88.8	68.5	102.7
85	57.6	44.6	66.8
99	63.6	49.1	73.7

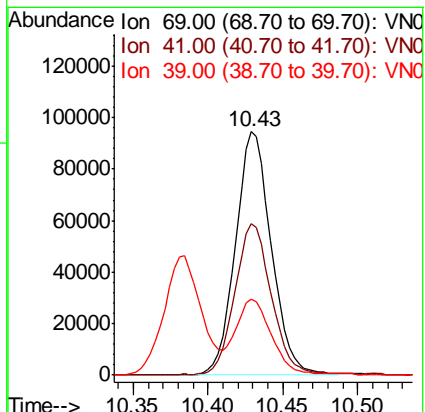
Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

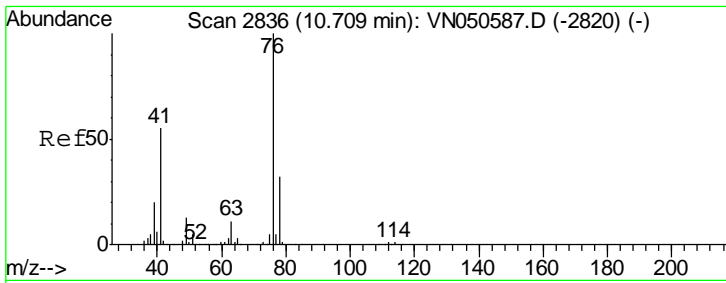
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 19.29 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
69	157618		
69	100		
41	62.6	49.7	74.5
39	31.0	24.2	36.2



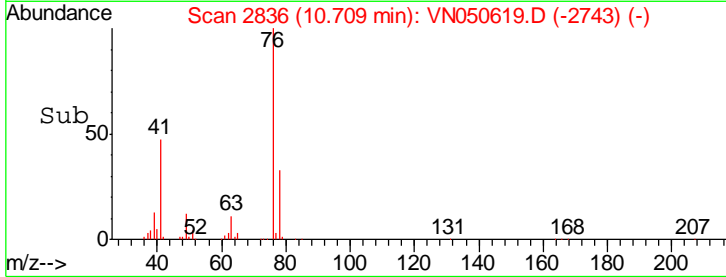
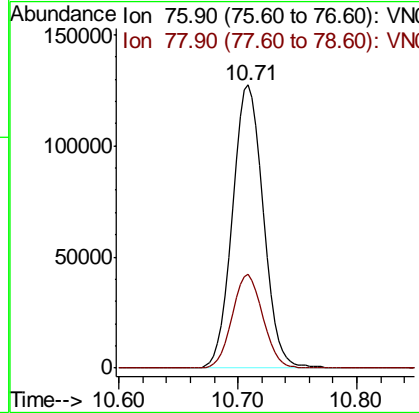
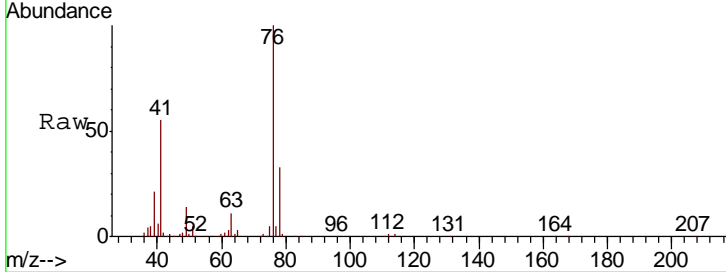


#57
 1,3-Dichloropropane
 Concen: 20.41 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

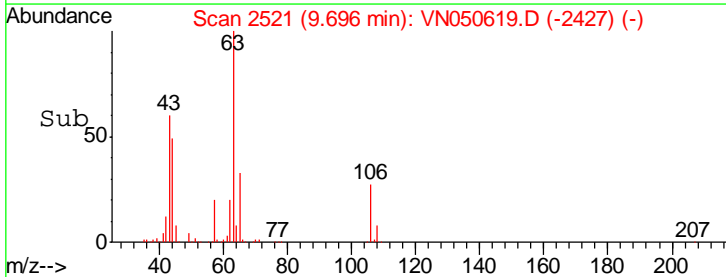
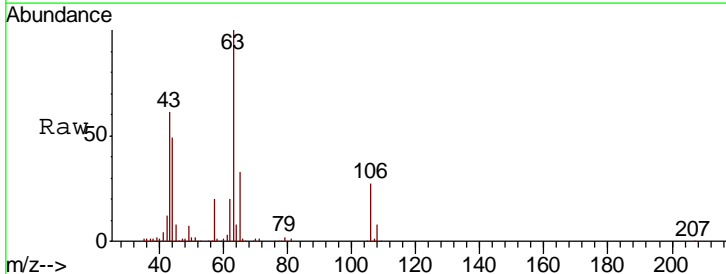
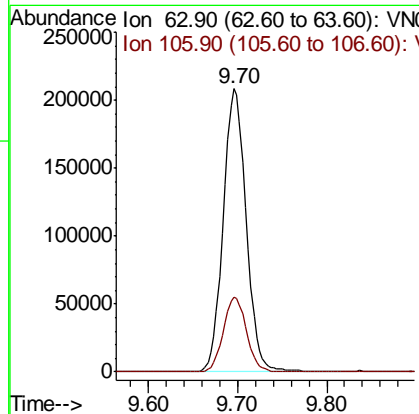
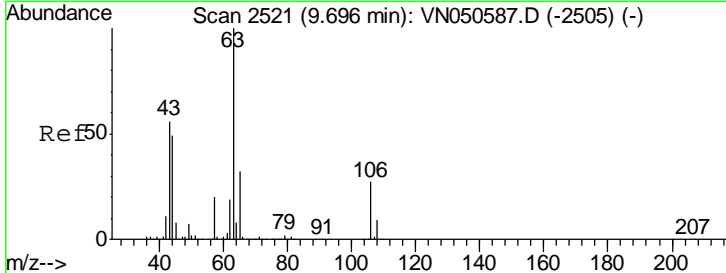
Tgt Ion	Resp	Lower	Upper
76	228771		
76	100		
78	33.0	25.8	38.6

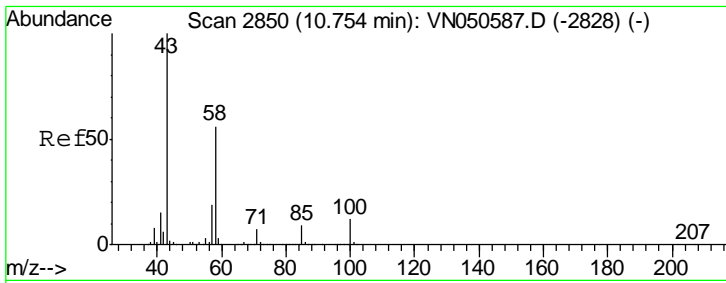
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#58
 2-Chloroethyl Vinyl ether
 Concen: 95.70 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
63	371842		
63	100		
106	26.8	21.7	32.5



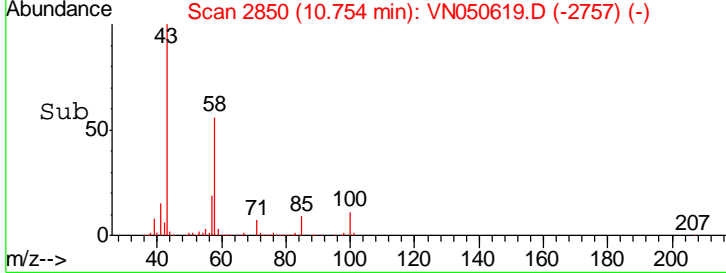
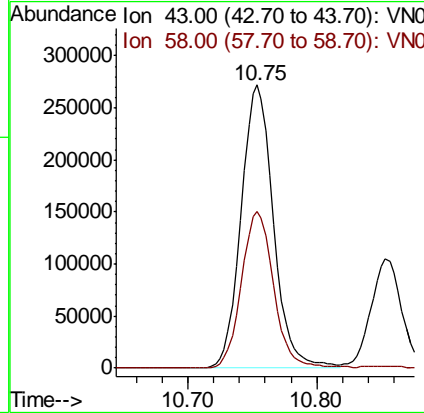
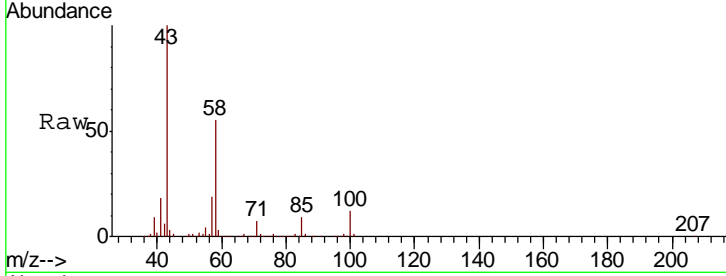


#59
 2-Hexanone
 Concen: 104.30 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

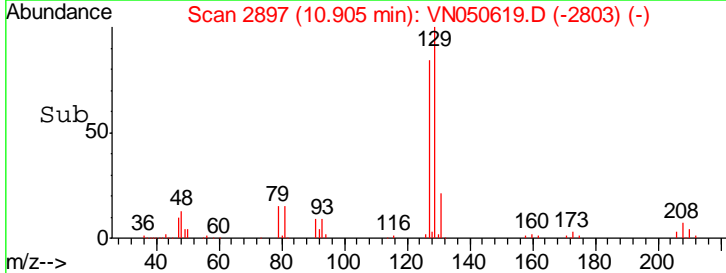
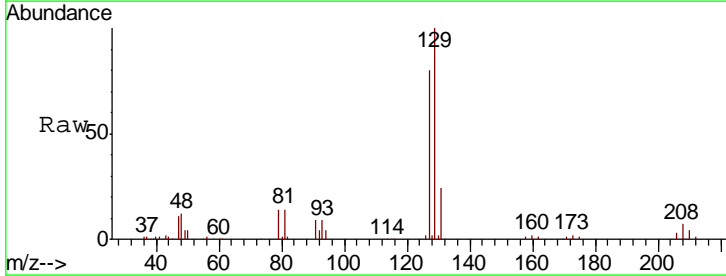
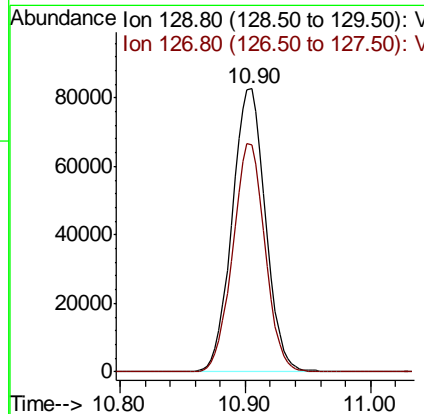
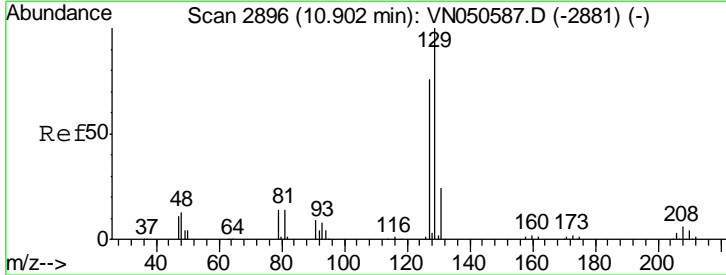
Tgt Ion	Resp	Lower	Upper
43	100		
58	55.5	28.0	84.0

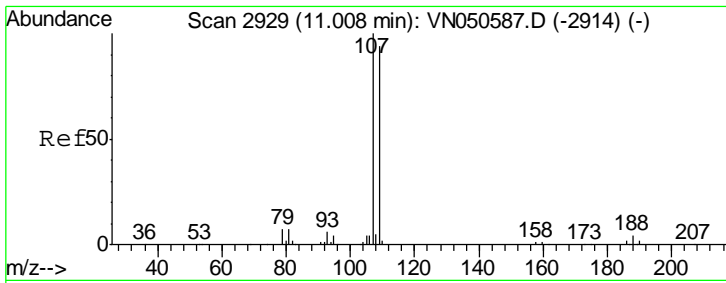
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#60
 Dibromochloromethane
 Concen: 20.19 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
129	100		
127	78.3	38.9	116.7



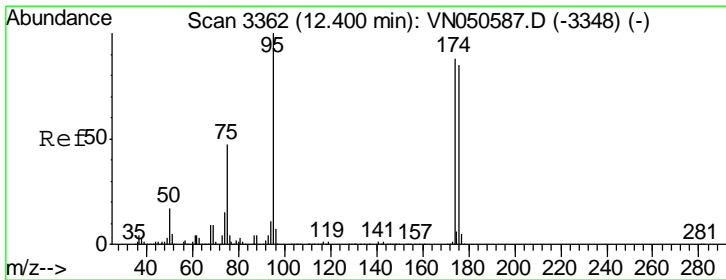
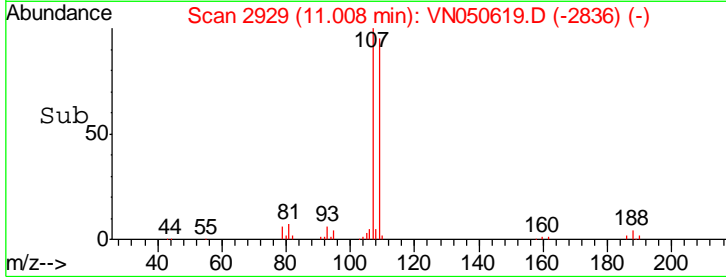
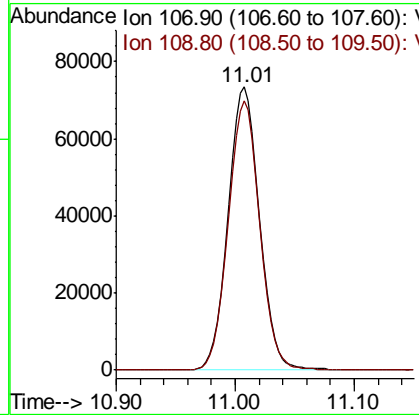
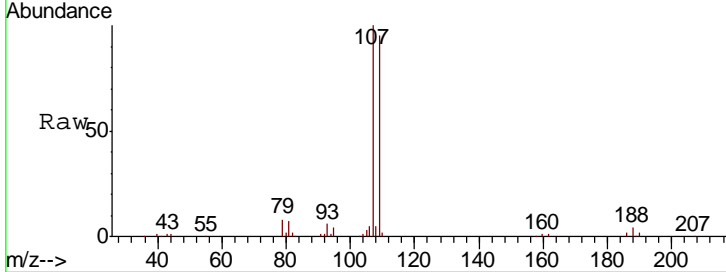


#61
 1,2-Dibromoethane
 Concen: 20.58 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02

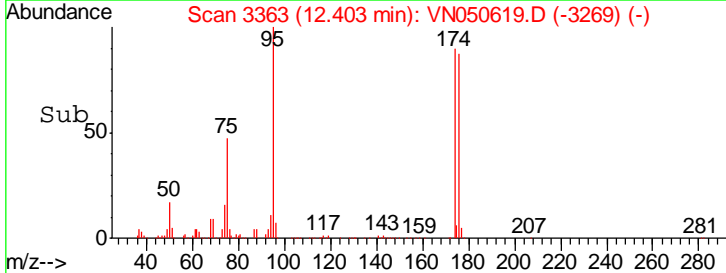
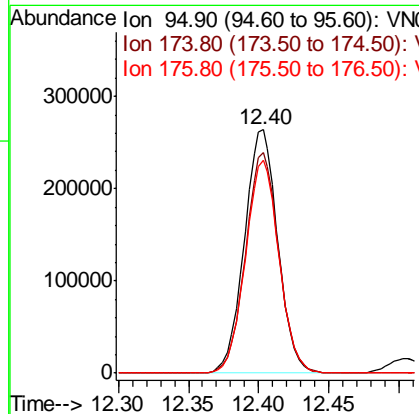
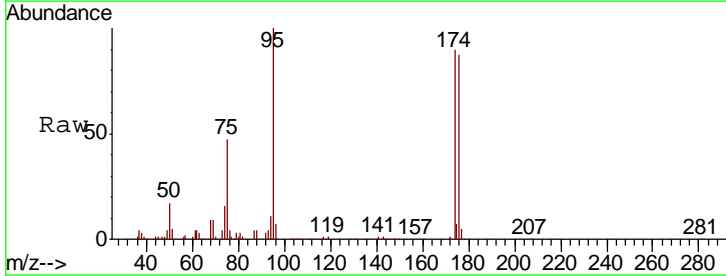
Tgt Ion	Resp	Lower	Upper
107	134034		
107	100		
109	95.5	75.7	113.5

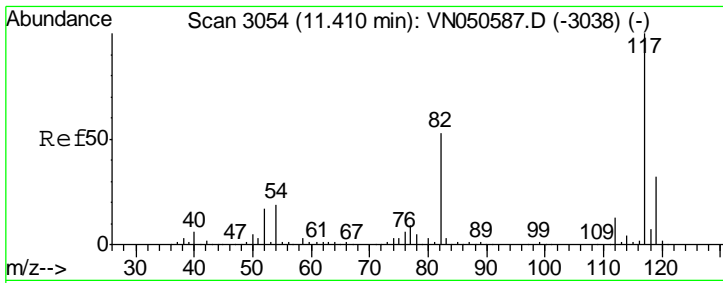
Manual Integrations
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 8/15/2018 3:32:20 PM



#62
 4-Bromofluorobenzene
 Concen: 48.75 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

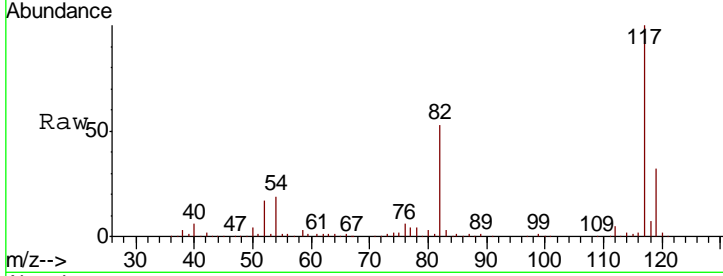
Tgt Ion	Resp	Lower	Upper
95	438058		
95	100		
174	90.3	0.0	177.8
176	87.9	0.0	175.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

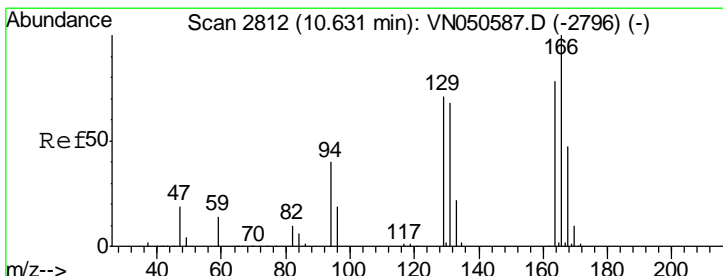
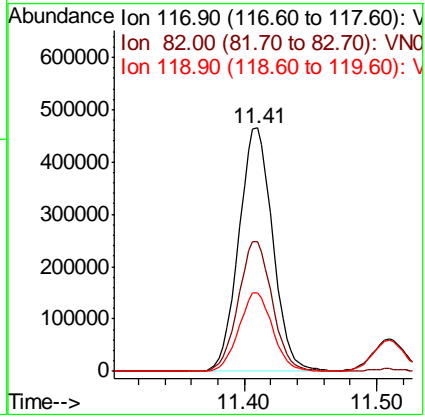
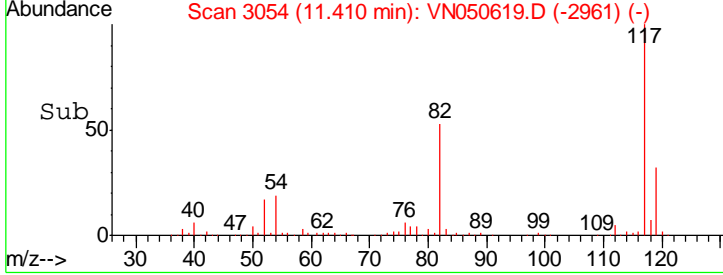
Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02



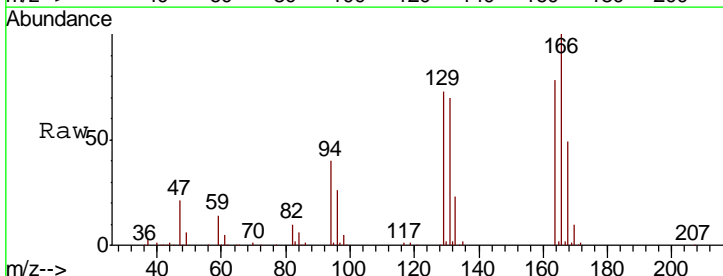
Tgt Ion: 117 Resp: 826513

Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.4	63.6
119	32.3	25.8	38.8

Manual Integrations
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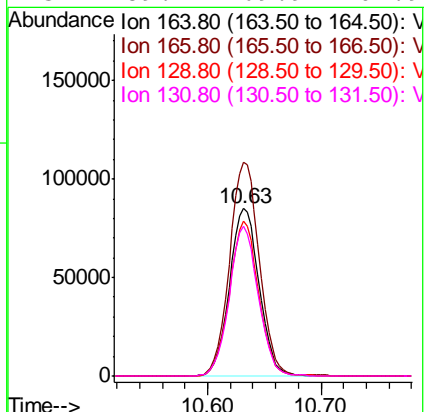
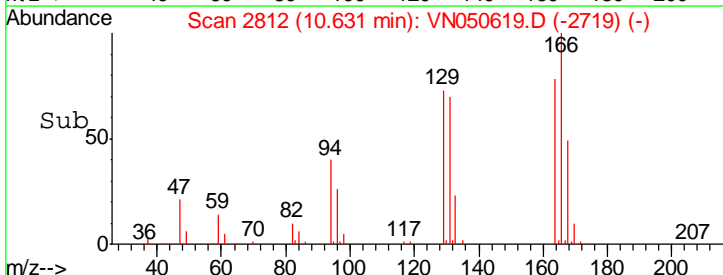


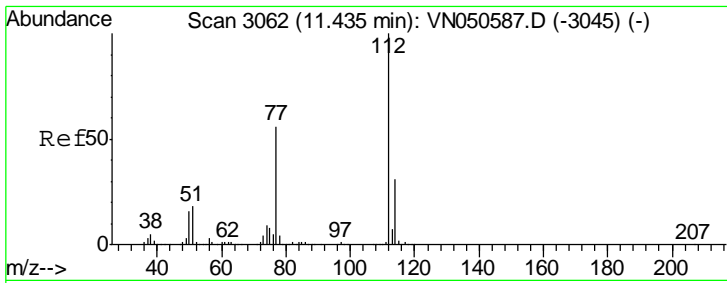
#64
 Tetrachloroethene
 Concen: 20.23 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00



Tgt Ion: 164 Resp: 155271

Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.1	153.1
129	92.6	72.7	109.1
131	89.1	69.9	104.9



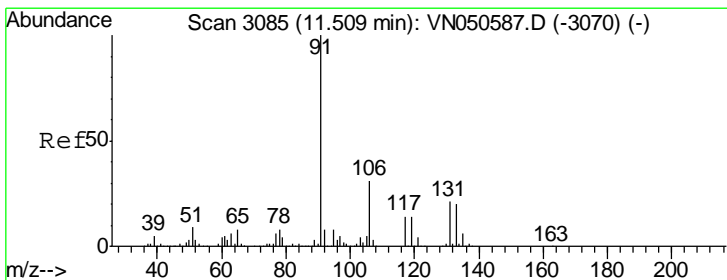
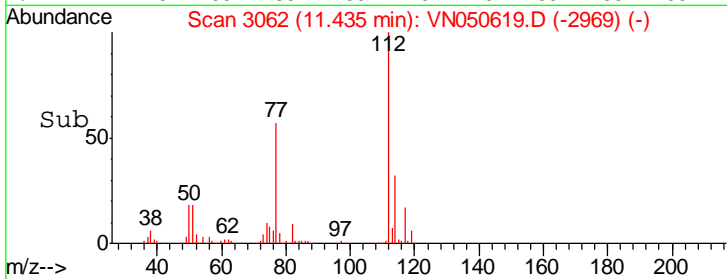
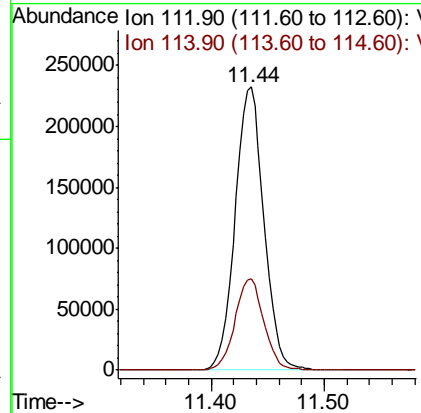
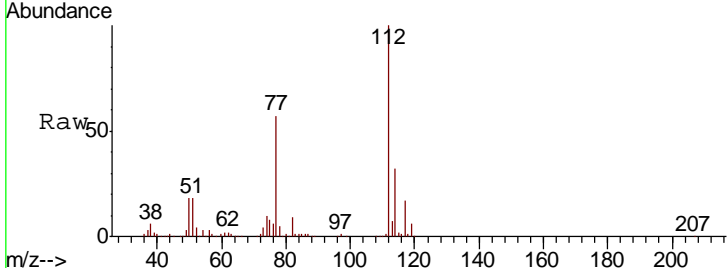


#65
 Chlorobenzene
 Concen: 19.96 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

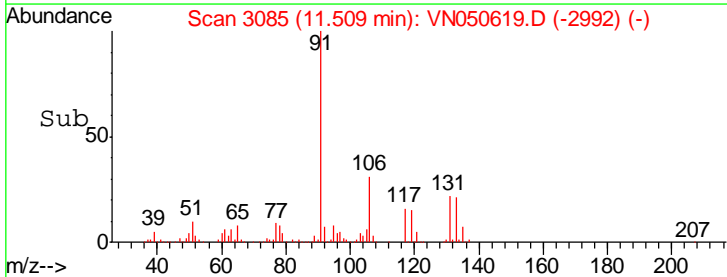
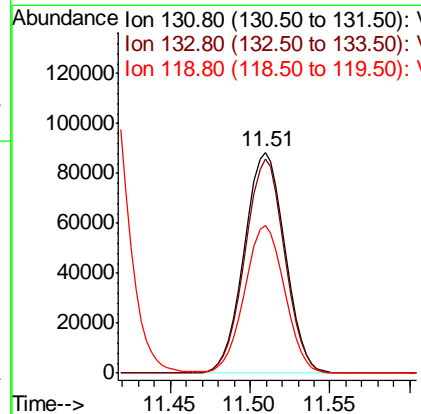
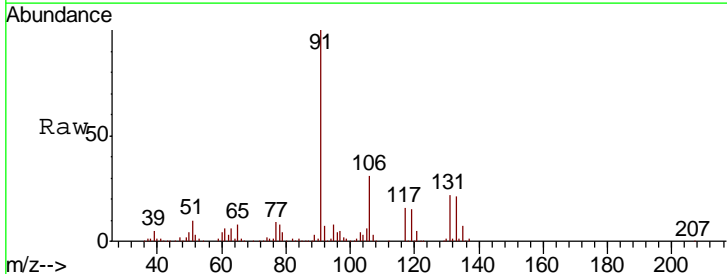
Tgt Ion	Resp	Lower	Upper
112	410555		
114	32.5	25.2	37.8

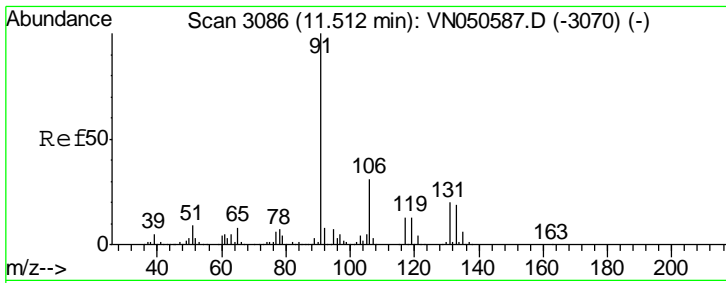
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:32:20 PM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.94 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
131	153740		
133	94.7	47.6	142.9
119	65.7	33.1	99.3



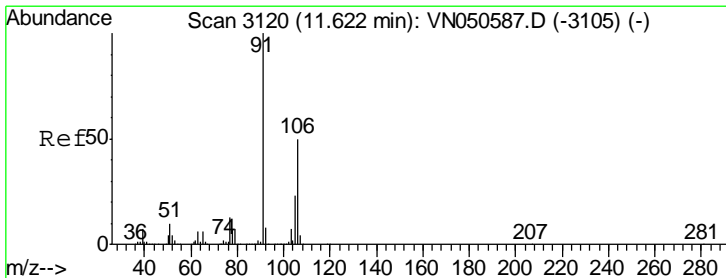
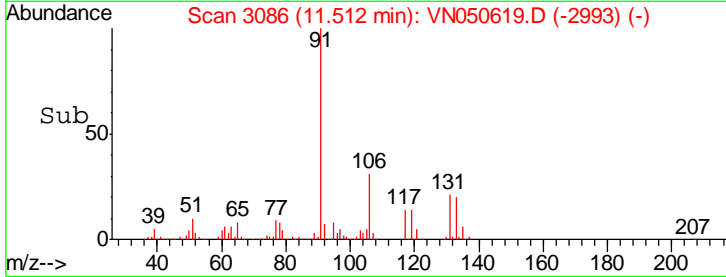
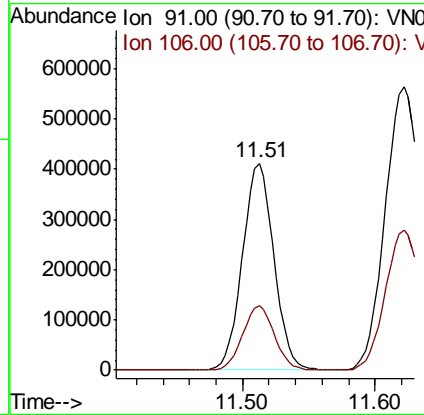
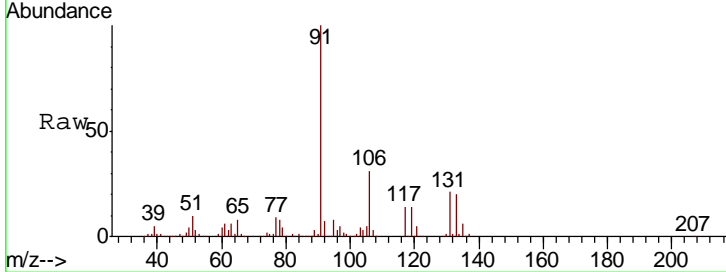


#67
 Ethyl Benzene
 Concen: 20.40 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

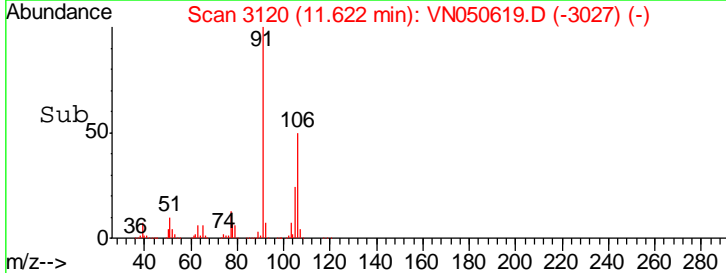
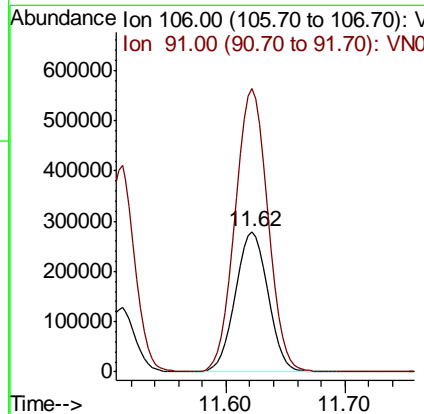
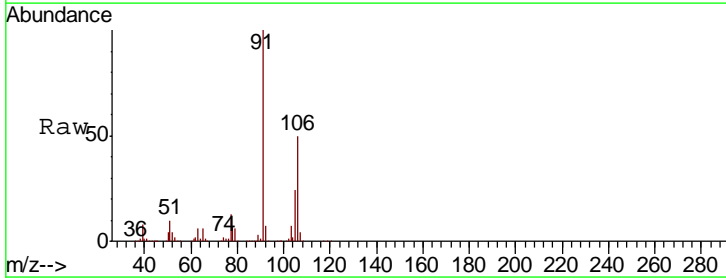
Tgt Ion	Resp	Lower	Upper
91	100		
106	31.0	24.8	37.2

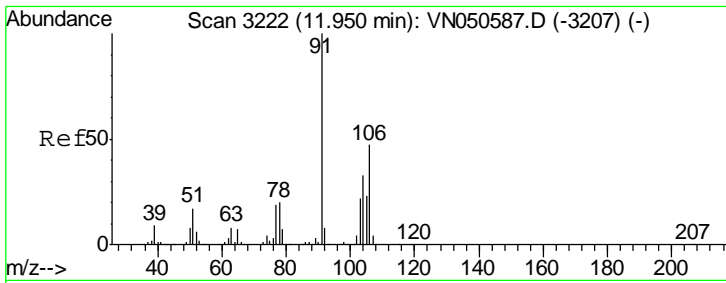
Manual Integrations
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 8/15/2018 3:32:20 PM



#68
 m/p-Xylenes
 Concen: 41.88 ug/l
 RT: 11.62 min Scan# 3120
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
106	100		
91	202.0	161.5	242.3



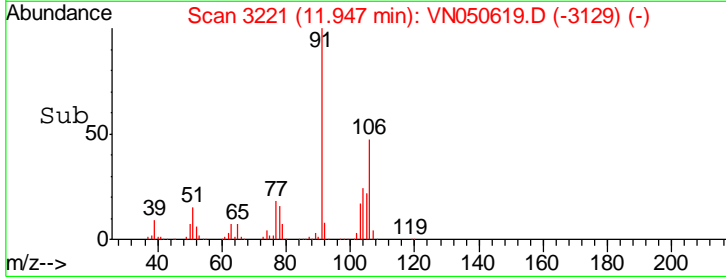
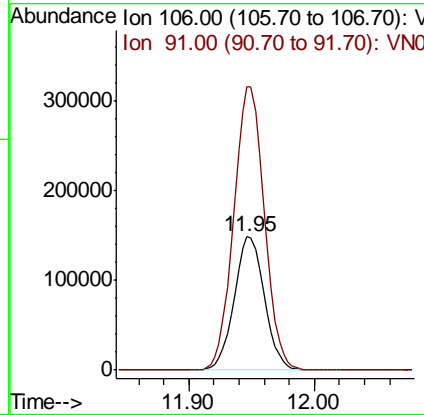
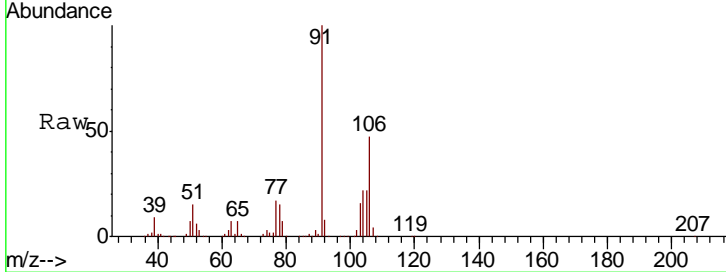


#69
 o-Xylene
 Concen: 20.58 ug/l
 RT: 11.95 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

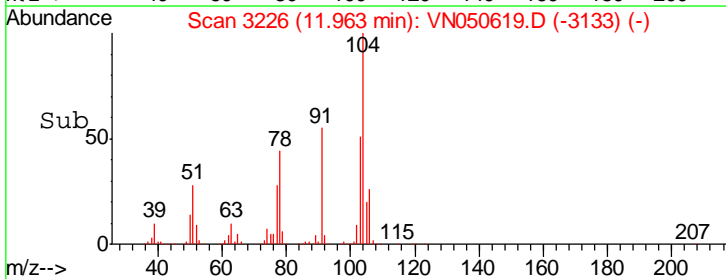
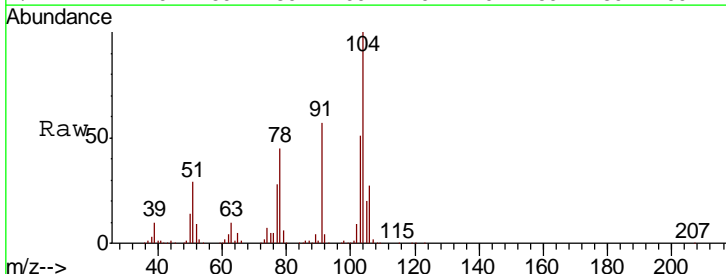
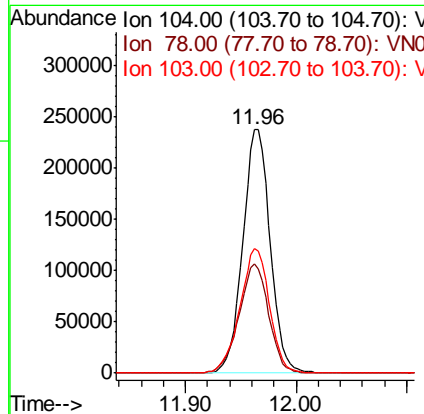
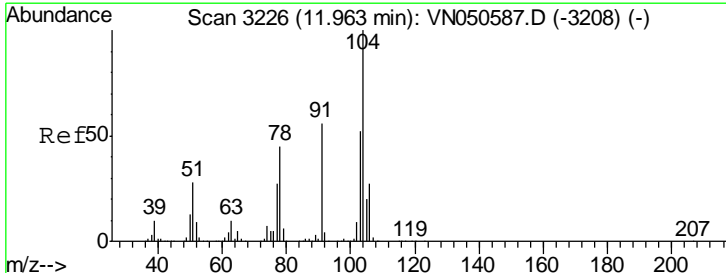
Tgt Ion	Resp	Lower	Upper
106	249256		
106	100		
91	215.0	106.8	320.4

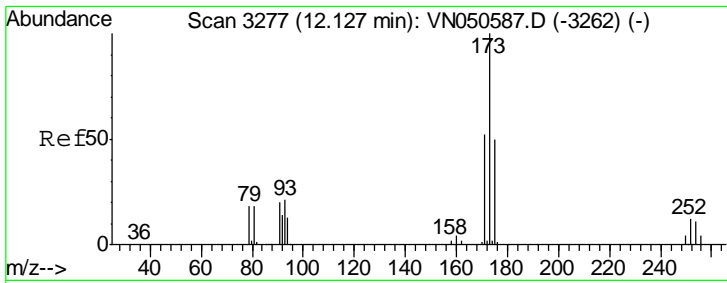
Manual Integrations
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 MMDadoda
 8/15/2018 3:32:20 PM



#70
 Styrene
 Concen: 19.50 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
104	407483		
104	100		
78	48.5	39.1	58.7
103	55.4	44.9	67.3





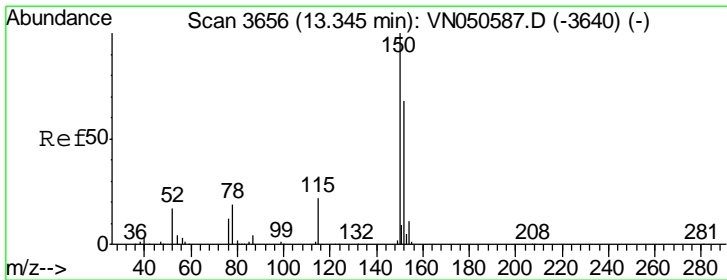
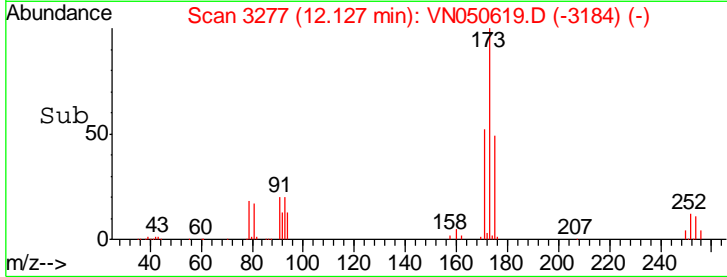
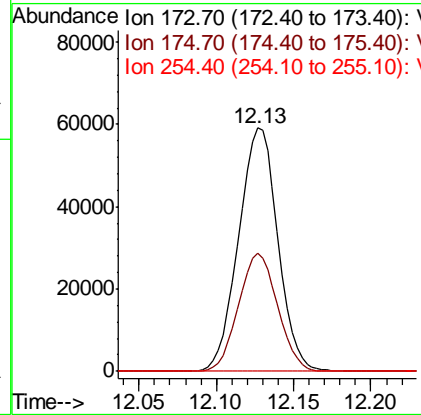
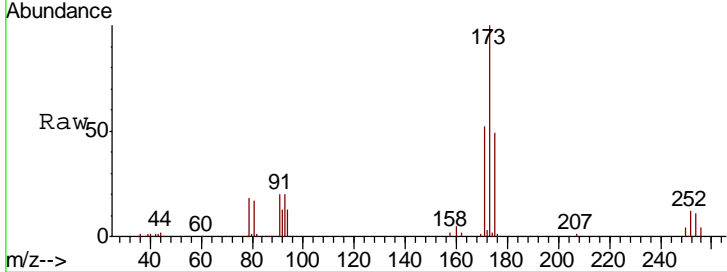
#71
 Bromoform
 Concen: 20.39 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02

Tgt Ion	Resp	Lower	Upper
173	104280		
175	48.3	24.4	73.2
254	0.1	0.0	0.0

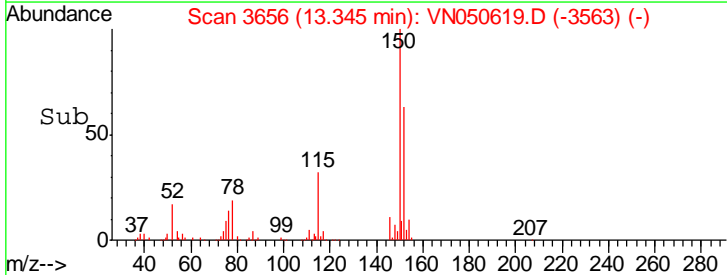
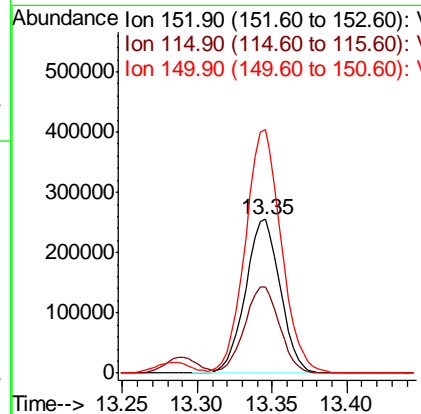
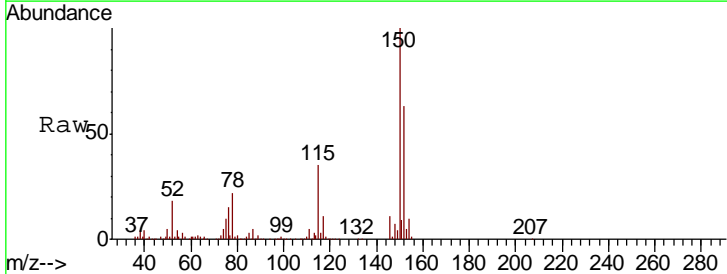
Manual Integrations
 APPROVED

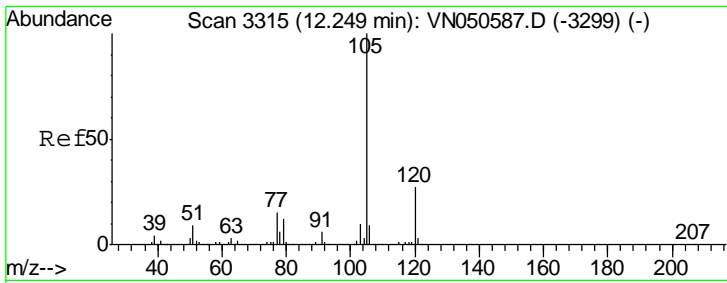
MMDadoda
 8/15/2018 3:32:20 PM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
152	411932		
152	100		
115	56.6	28.1	84.2
150	164.3	0.0	347.8





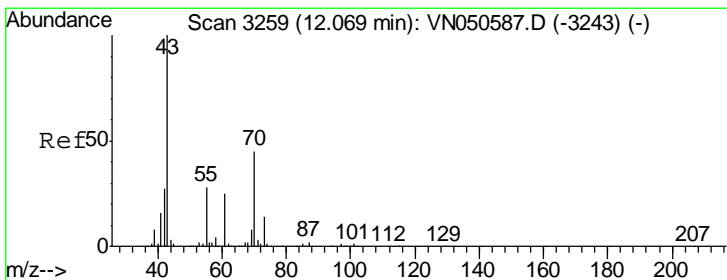
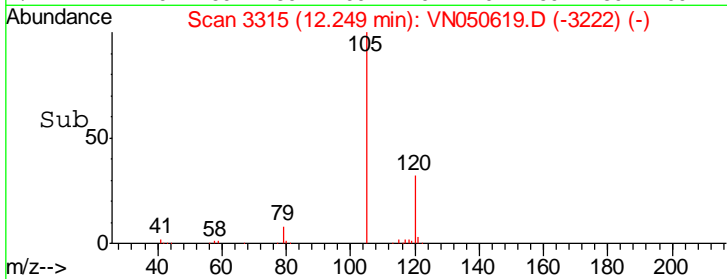
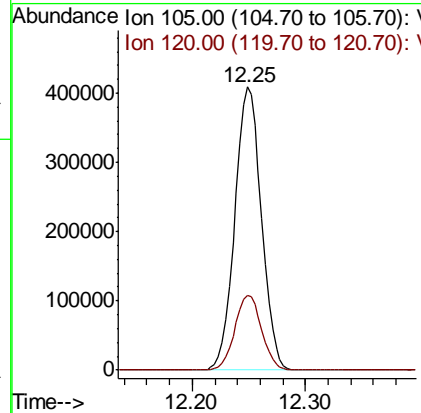
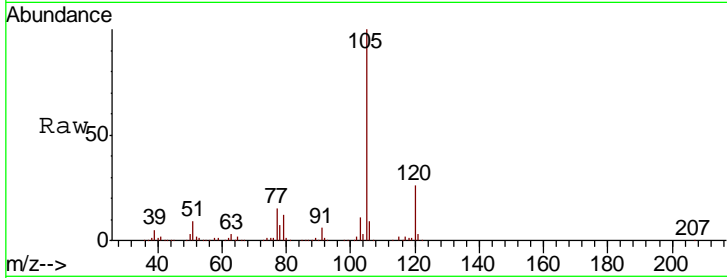
#73
 Isopropylbenzene
 Concen: 20.71 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

Tgt Ion	Resp	Lower	Upper
105	666632		
120	26.6	13.4	40.1

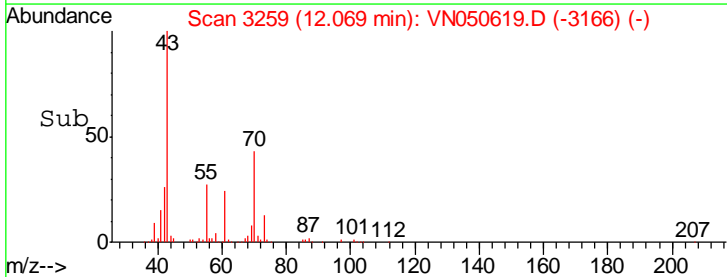
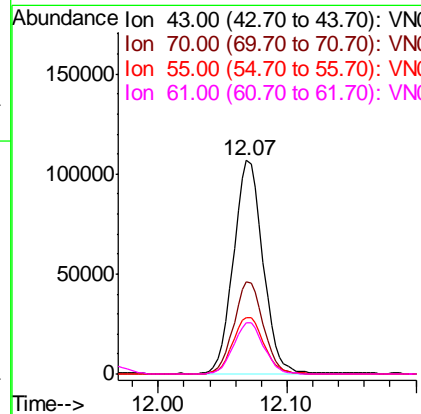
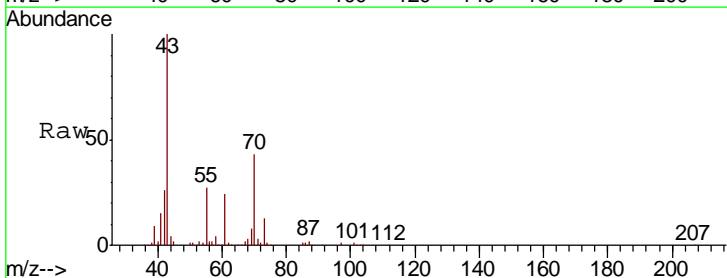
Manual Integrations
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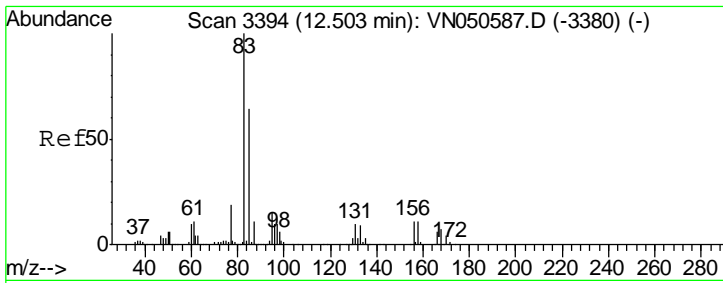
MMDadoda
 8/15/2018 3:32:20 PM



#74
 N-amyl acetate
 Concen: 20.12 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
43	168474		
70	43.2	35.9	53.9
55	28.3	22.2	33.4
61	24.7	20.0	30.0





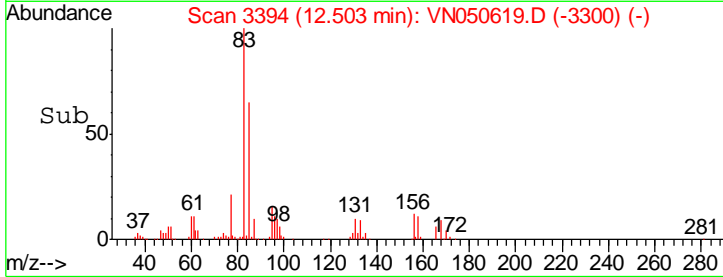
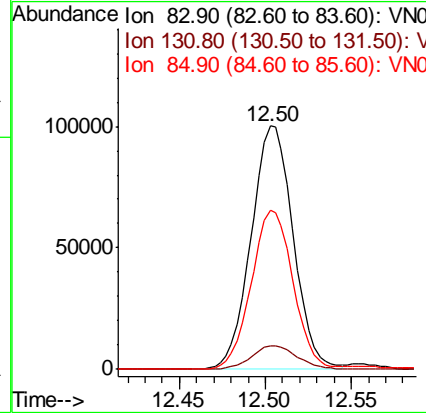
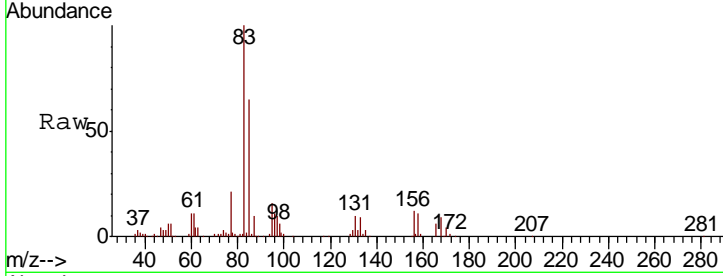
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.38 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

Tgt Ion	Resp	Lower	Upper
83	169682		
83	100		
131	10.5	5.3	15.9
85	64.9	32.1	96.5

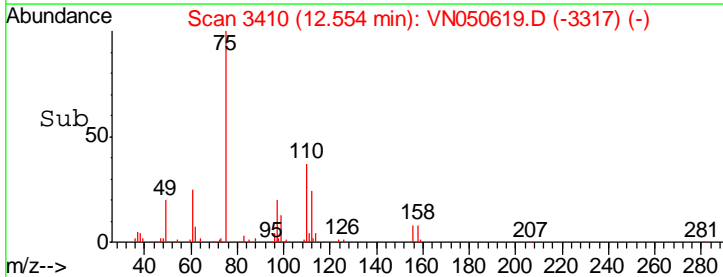
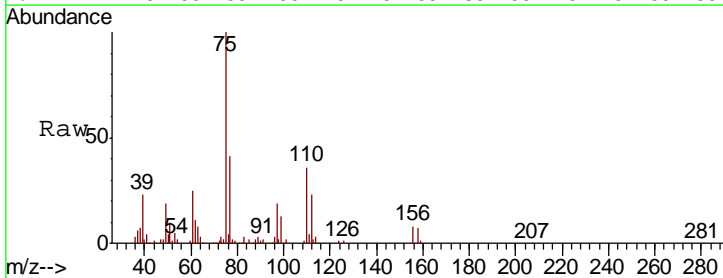
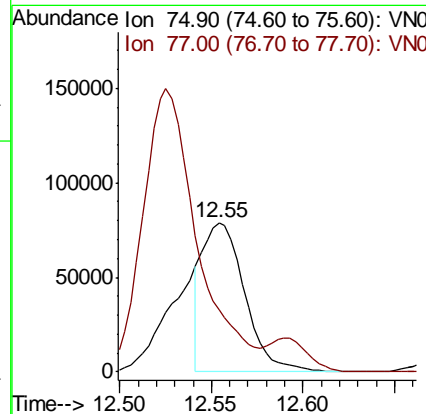
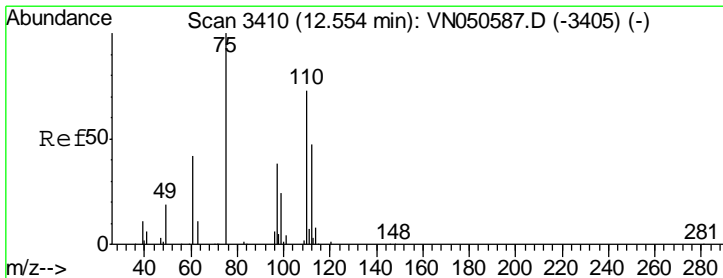
Manual Integrations
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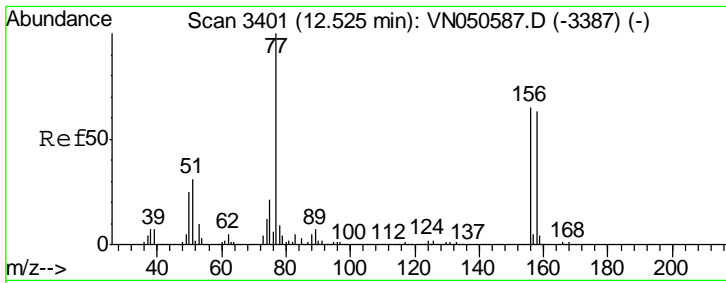
MMDadoda
 8/15/2018 3:32:20 PM



#76
 1,2,3-Trichloropropane
 Concen: 18.27 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
75	125918		
75	100		
77	0.0	0.0	0.0



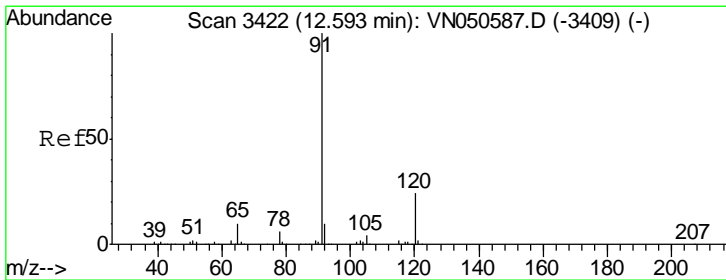
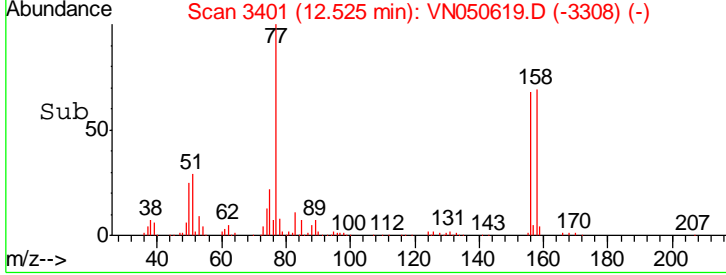
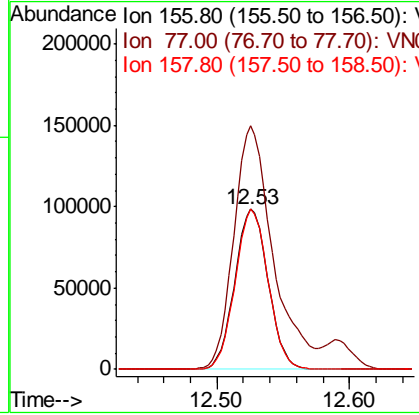
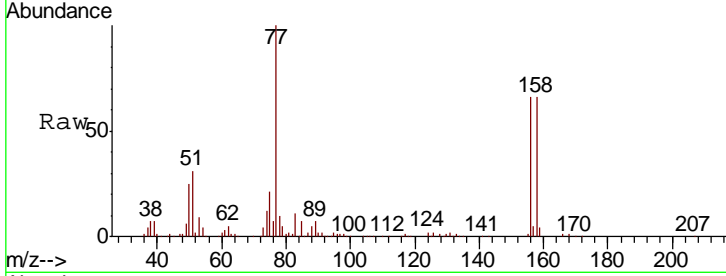


#77
 Bromobenzene
 Concen: 19.68 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

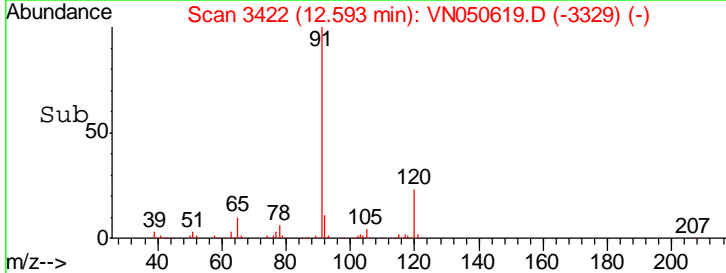
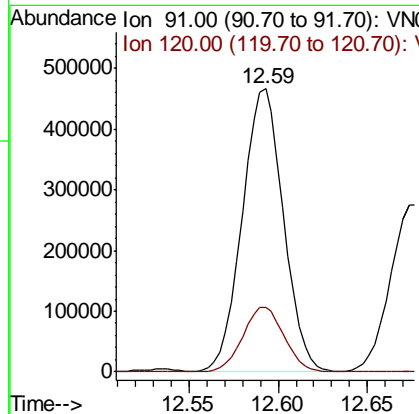
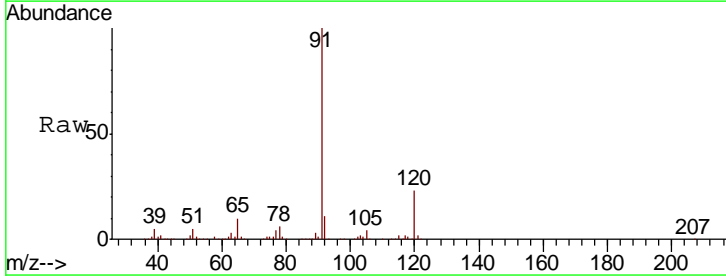
Tgt Ion	Resp	Lower	Upper
156	172000		
77	180.0	89.0	267.1
158	98.8	48.5	145.6

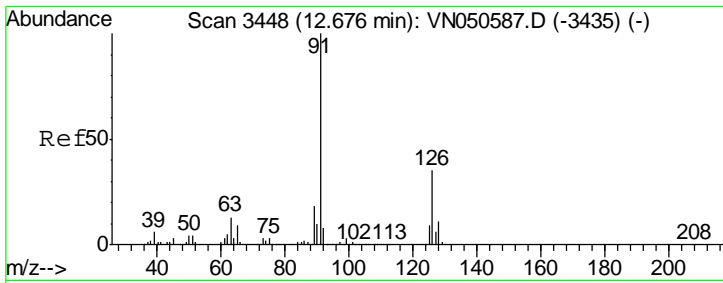
Manual Integrations
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 8/15/2018 3:32:20 PM



#78
 n-propylbenzene
 Concen: 20.88 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
91	749203		
120	23.1	11.8	35.4



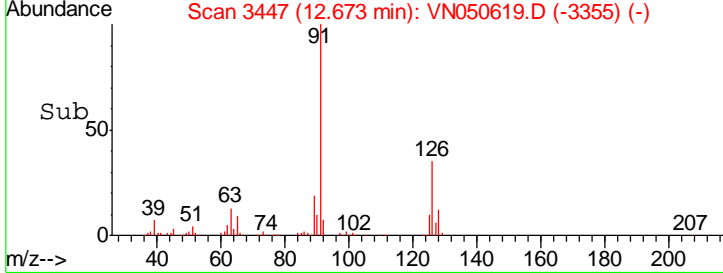
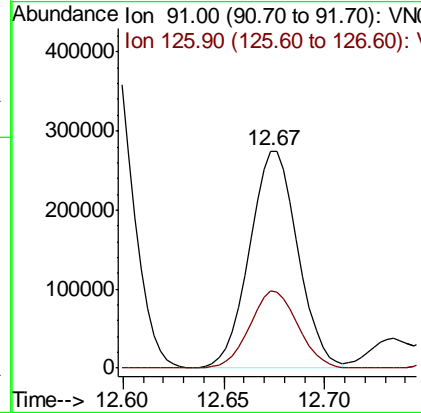
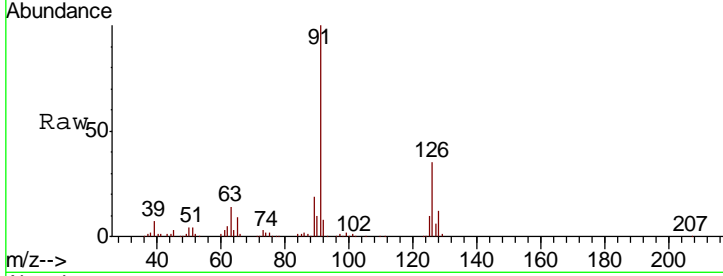


#79
 2-Chlorotoluene
 Concen: 20.46 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 Client Sampled : VN0814WBS02

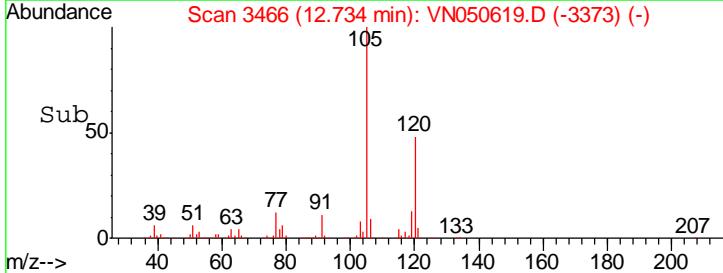
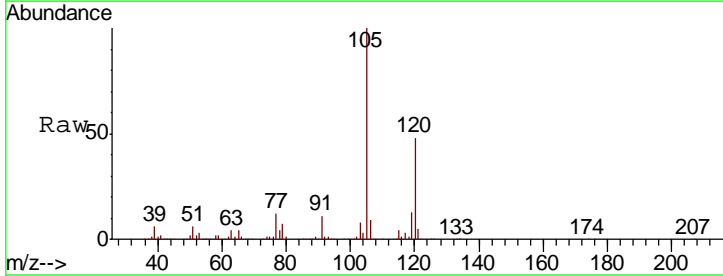
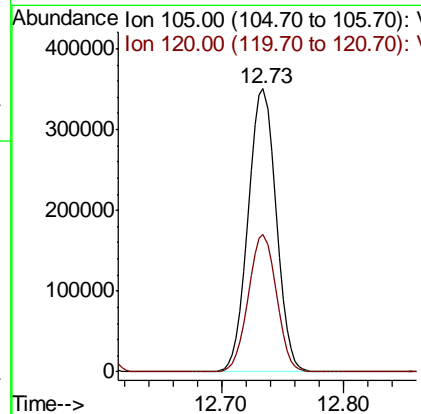
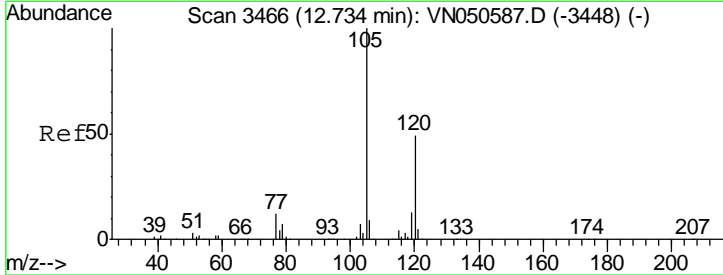
Tgt Ion	Resp	Lower	Upper
91	457834	100	
126	35.5	17.6	52.8

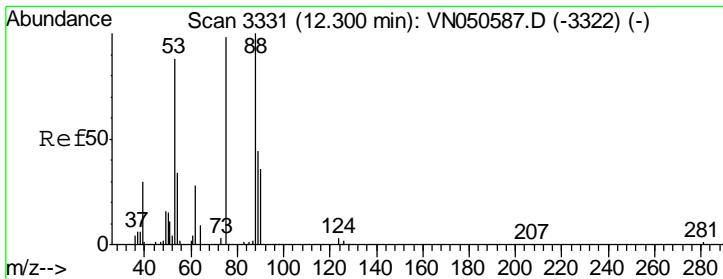
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.38 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
105	550981	100	
120	48.8	24.7	74.1





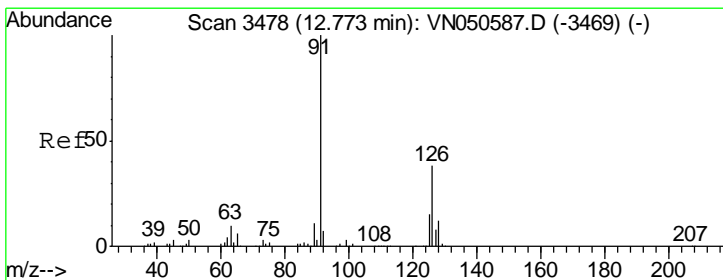
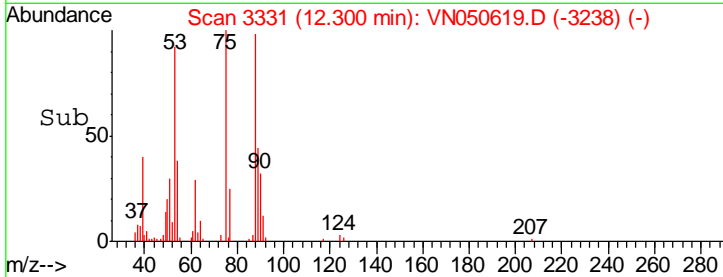
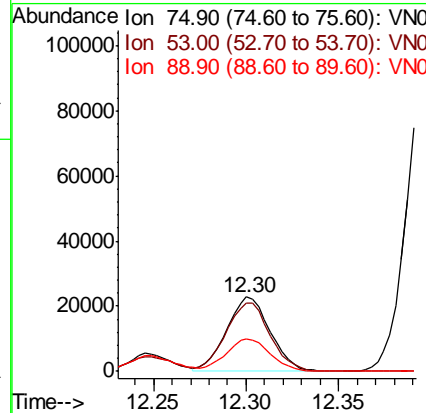
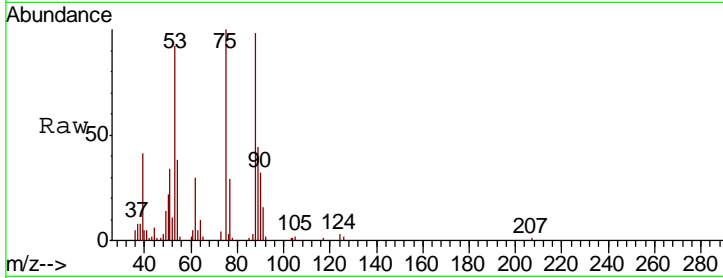
#81
 trans-1,4-Dichloro-2-butene
 Concen: 20.01 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

Tgt Ion	Resp	Lower	Upper
75	37081		
75	100		
53	93.7	72.2	108.2
89	44.3	36.3	54.5

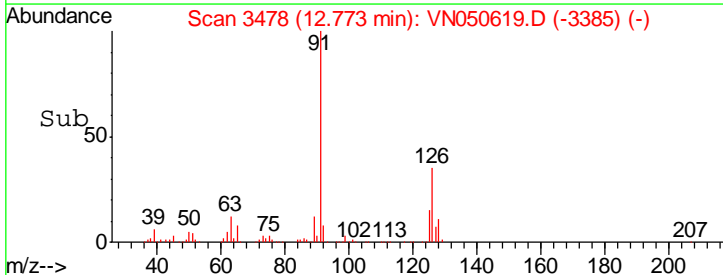
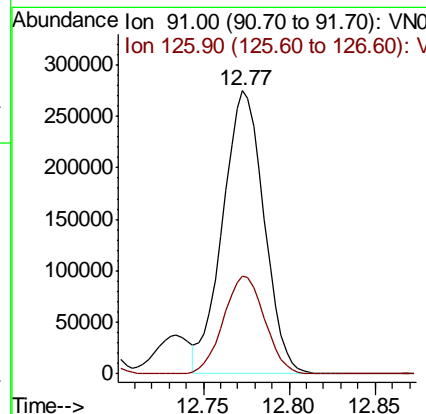
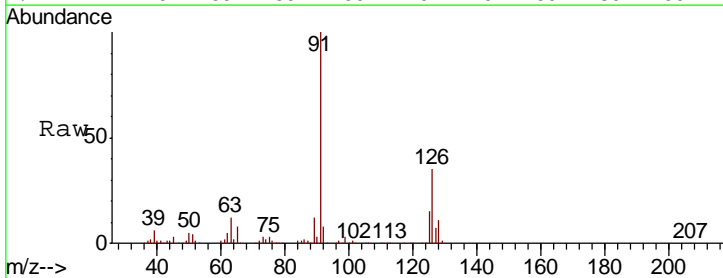
Manual Integrations
 APPROVED

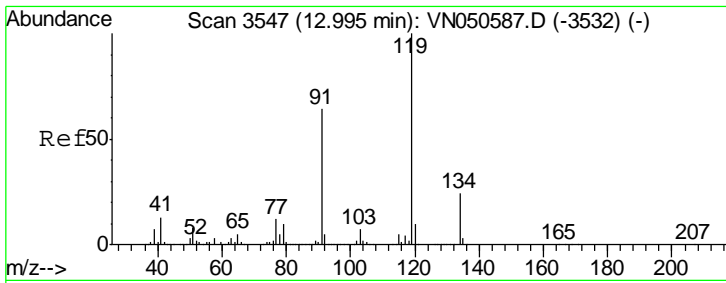
MMDadoda
 8/15/2018 3:32:20 PM



#82
 4-Chlorotoluene
 Concen: 20.82 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
91	460304		
91	100		
126	34.5	17.3	52.0





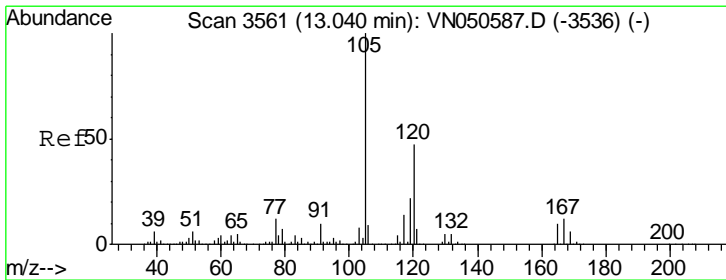
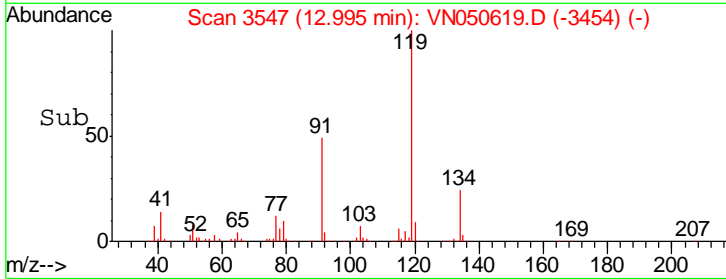
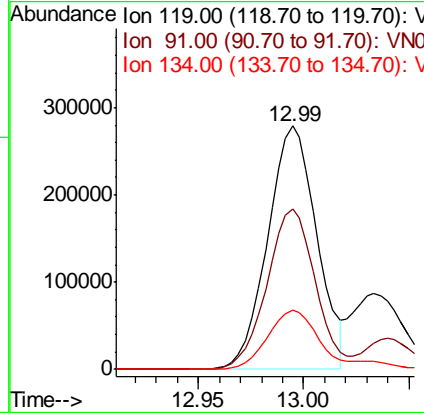
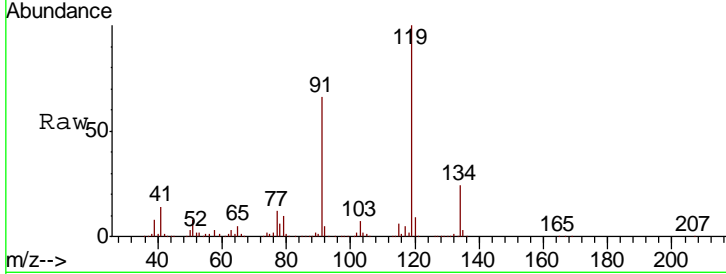
#83
 tert-Butylbenzene
 Concen: 20.21 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02

Tgt Ion	Resp	Lower	Upper
119	452013		
91	65.4	32.2	96.6
134	25.0	13.4	40.2

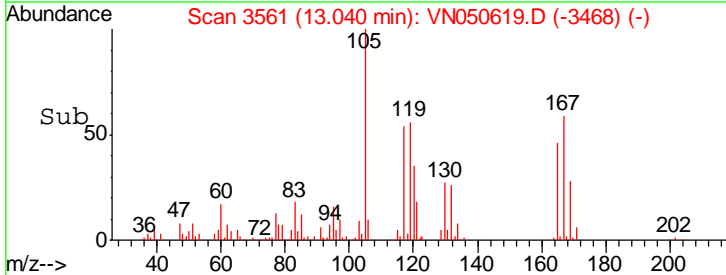
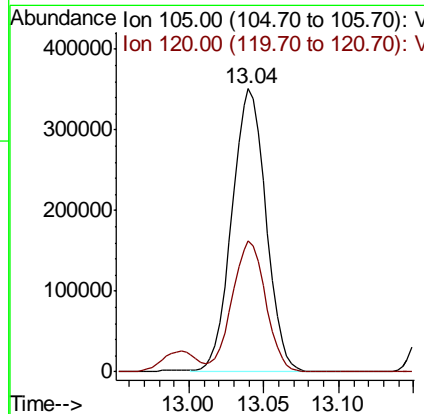
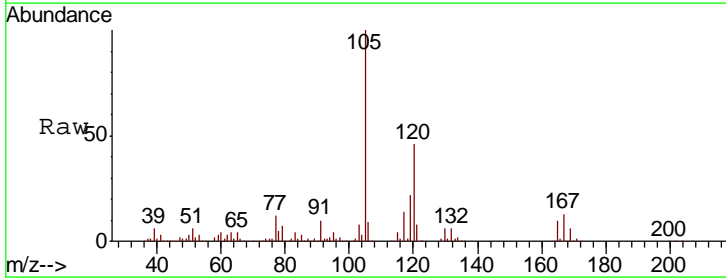
Manual Integrations
 APPROVED

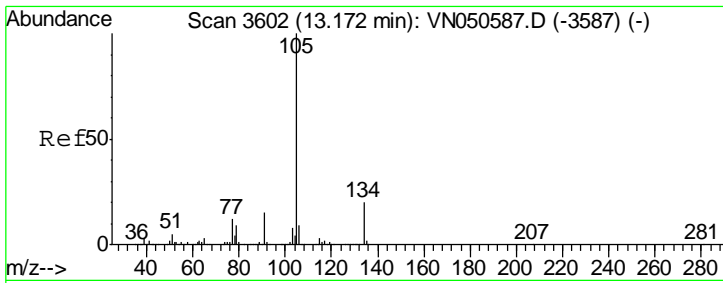
MMDadoda
 8/15/2018 3:32:20 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.48 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
105	555625		
120	45.9	23.2	69.5



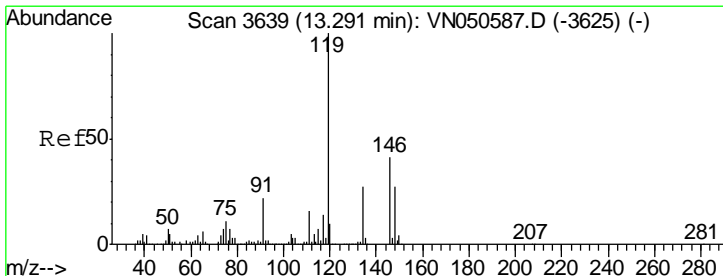
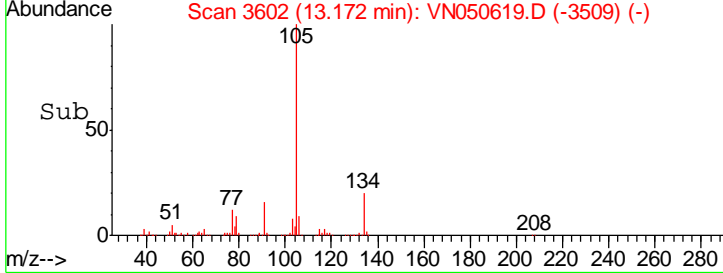
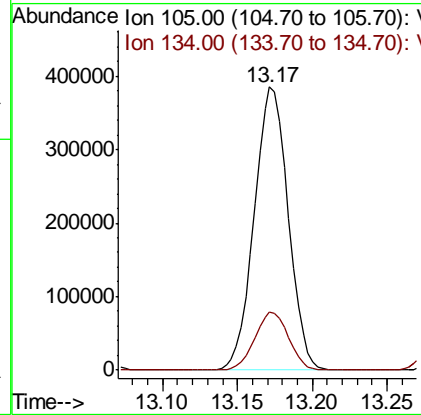
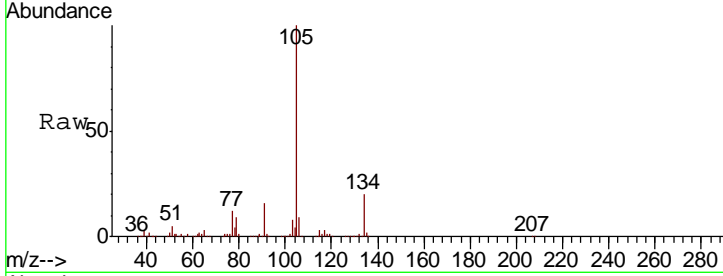


#85
 sec-Butylbenzene
 Concen: 20.78 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

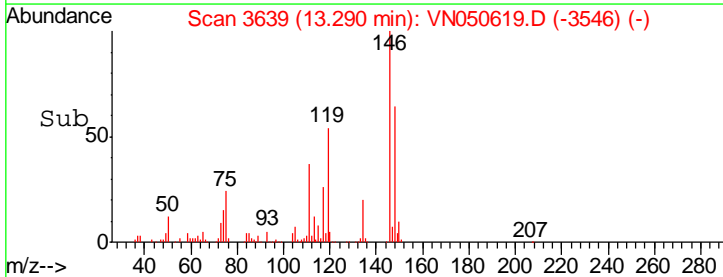
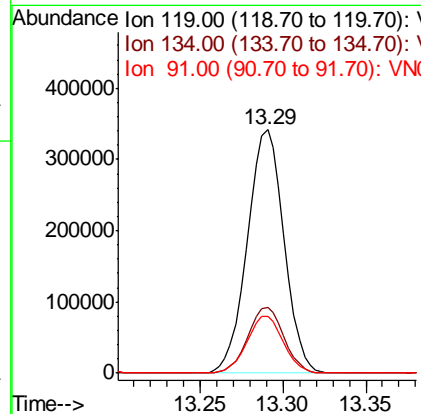
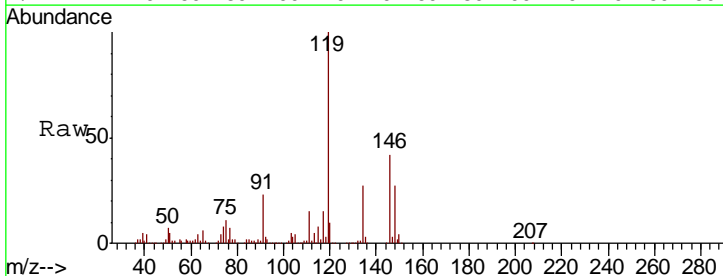
Tgt Ion	Resp	Lower	Upper
105	607325		
134	20.5	10.1	30.3

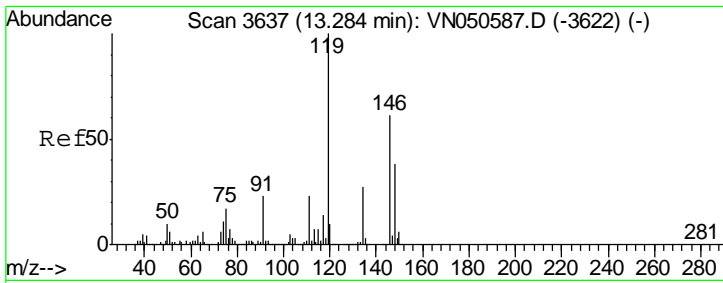
Manual Integrations
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 MMDadoda
 8/15/2018 3:32:20 PM



#86
 p-Isopropyltoluene
 Concen: 21.12 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
119	523210		
134	26.7	13.5	40.4
91	23.0	11.2	33.6



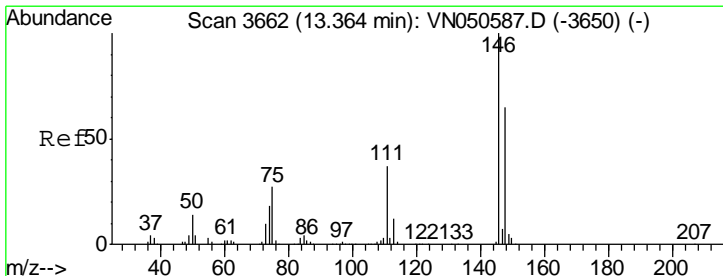
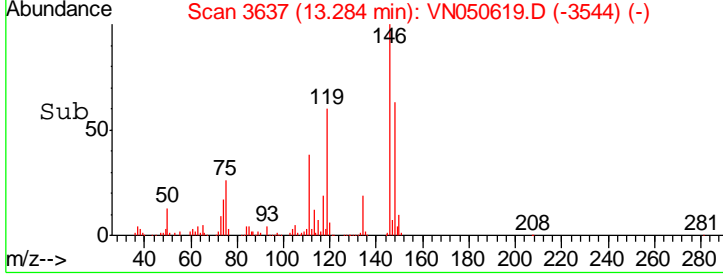
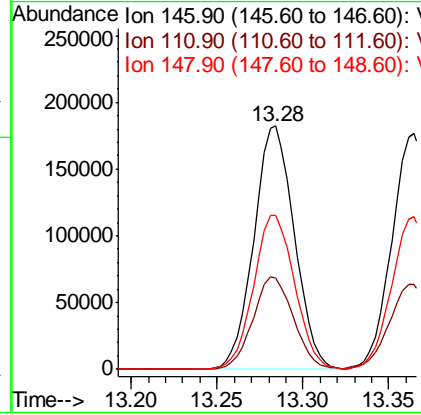
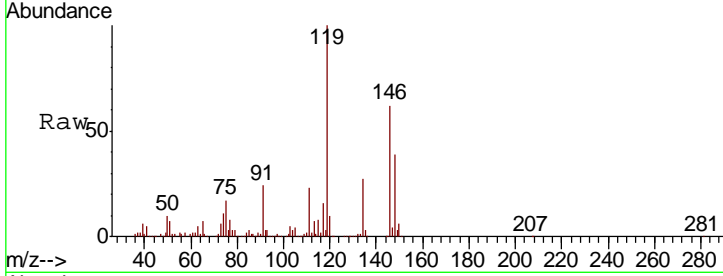


#87
 1,3-Dichlorobenzene
 Concen: 20.01 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

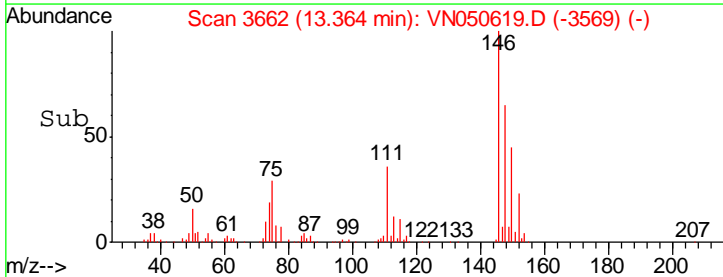
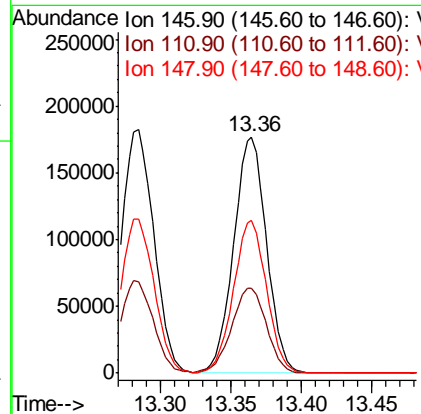
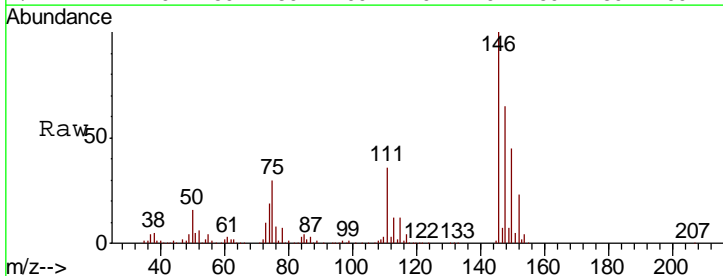
Tgt Ion	Resp	Lower	Upper
146	297625		
146	100		
111	38.1	19.2	57.6
148	64.3	31.9	95.7

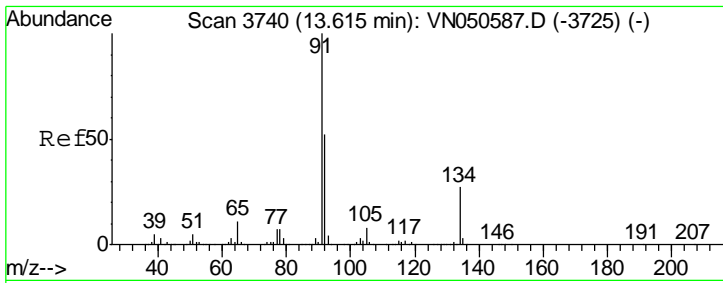
Manual Integrations
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 8/15/2018 3:32:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.55 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
146	288605		
146	100		
111	38.2	18.8	56.4
148	64.9	32.3	96.8





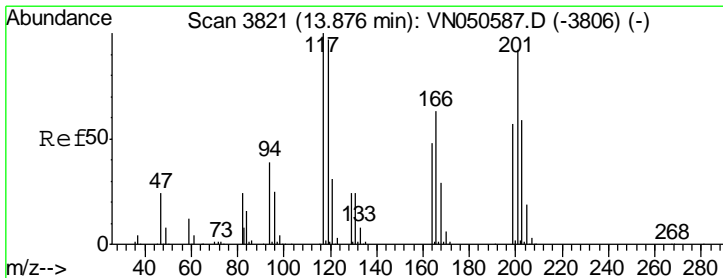
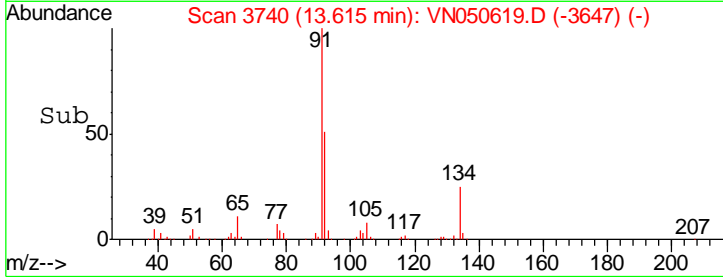
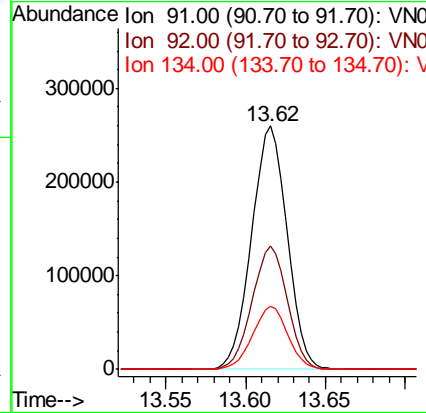
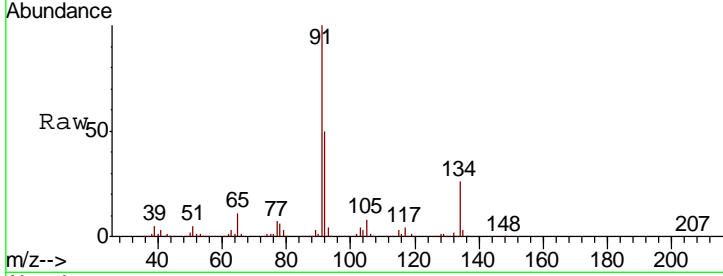
#89
 n-Butylbenzene
 Concen: 19.69 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS02

Tgt Ion	Resp	Lower	Upper
91	100		
92	50.2	26.3	78.8
134	25.5	13.3	39.9

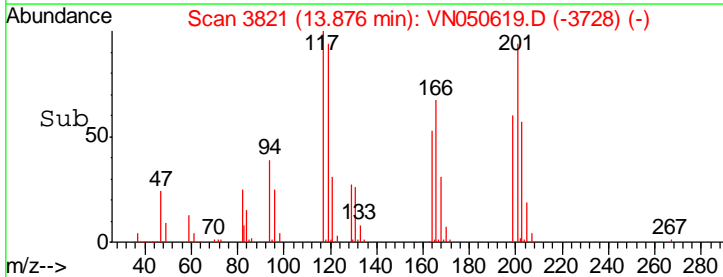
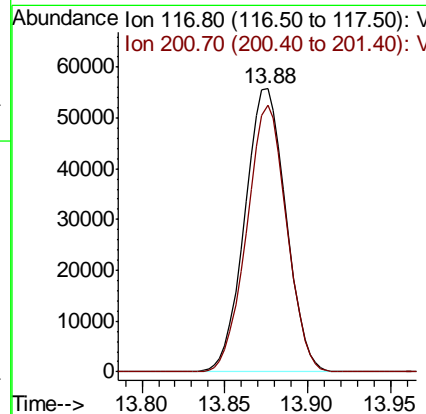
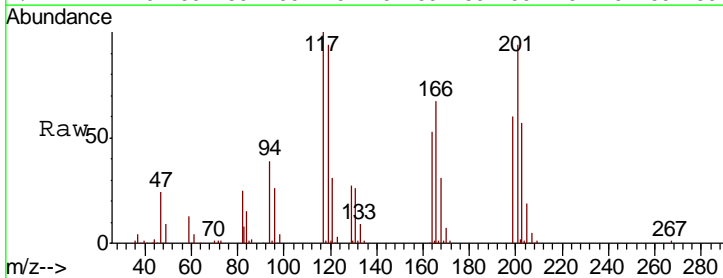
Manual Integrations
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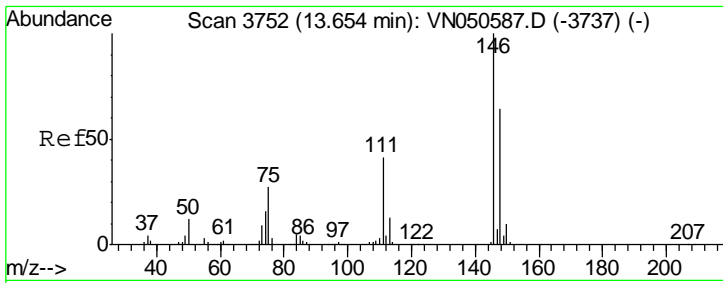
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 8/15/2018 3:32:20 PM



#90
 Hexachloroethane
 Concen: 19.31 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
117	100		
201	91.3	45.5	136.5



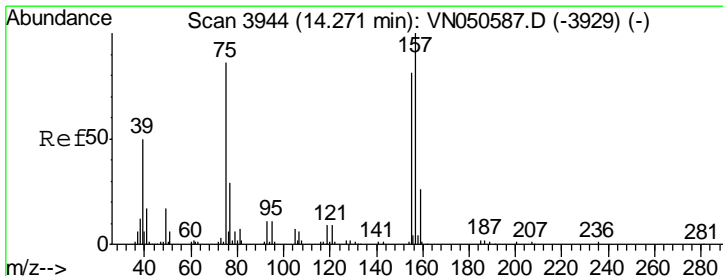
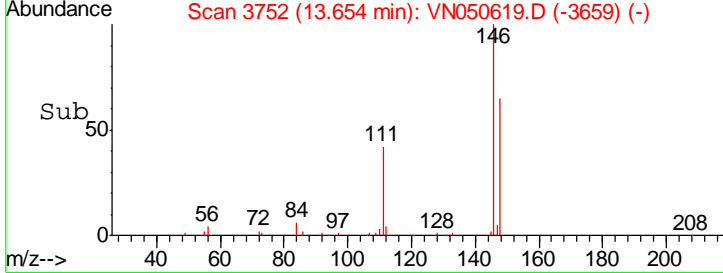
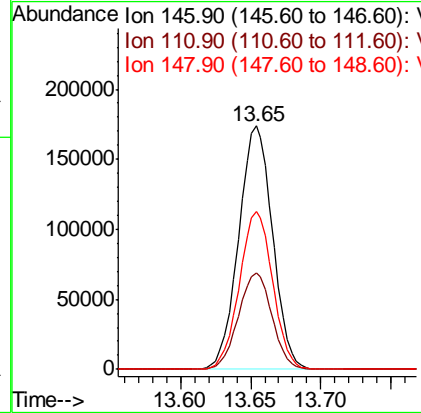
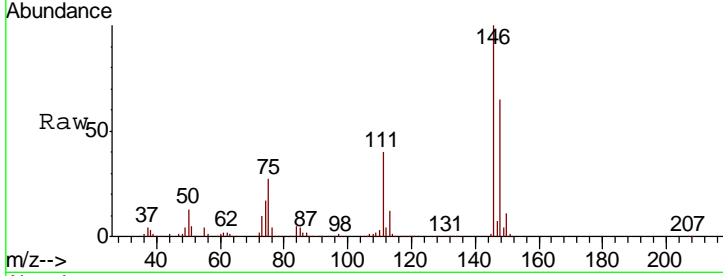


#91
 1,2-Dichlorobenzene
 Concen: 20.12 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 ClientSampled : VN0814WBS02

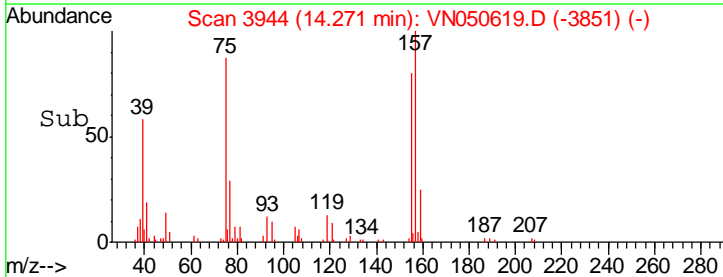
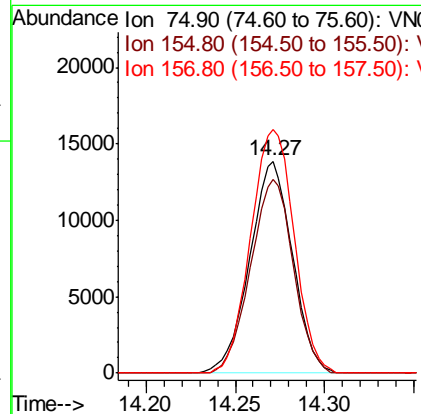
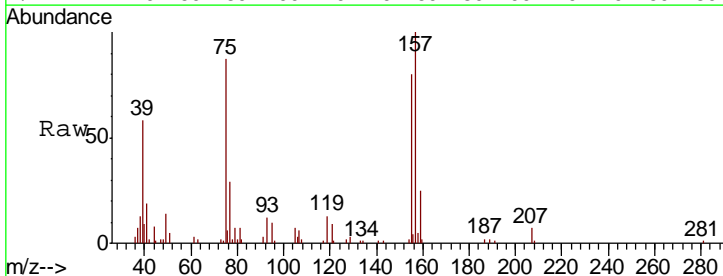
Tgt Ion	Resp	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	63.8	32.3	96.8

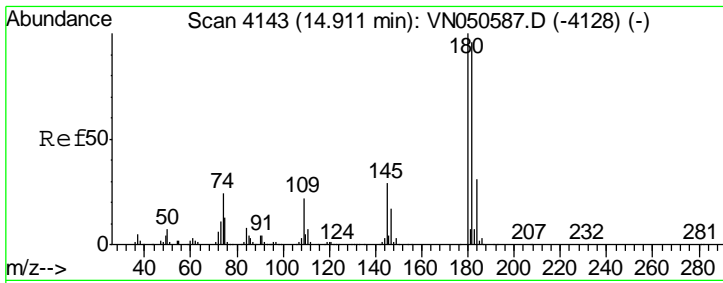
Manual Integrations
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 8/15/2018 3:32:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.23 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
75	100		
155	91.2	46.6	139.8
157	117.2	58.1	174.2



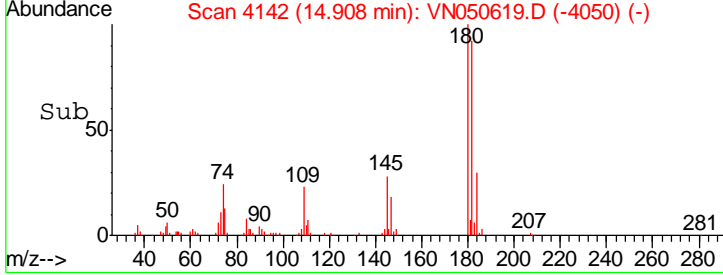
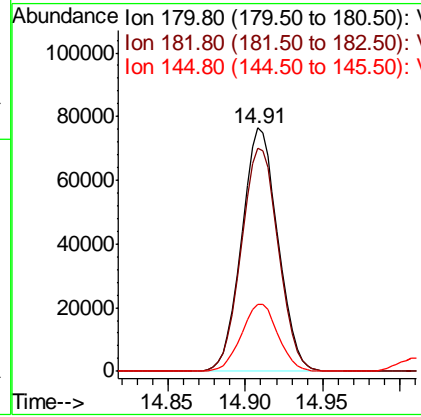
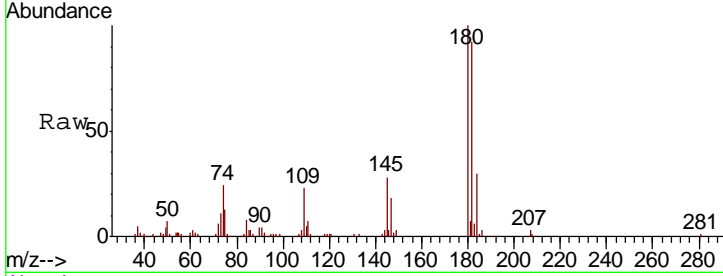


#93
 1,2,4-Trichlorobenzene
 Concen: 18.45 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 Client Sampled : VN0814WBS02

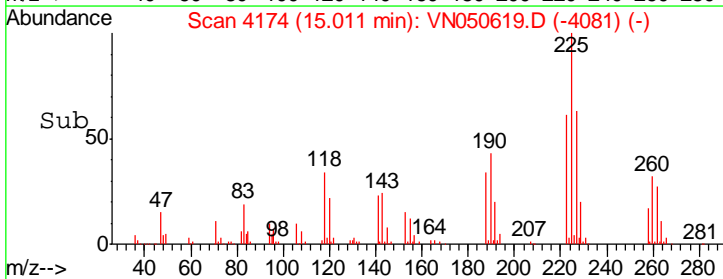
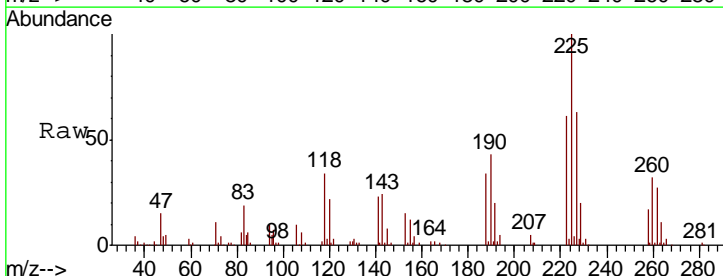
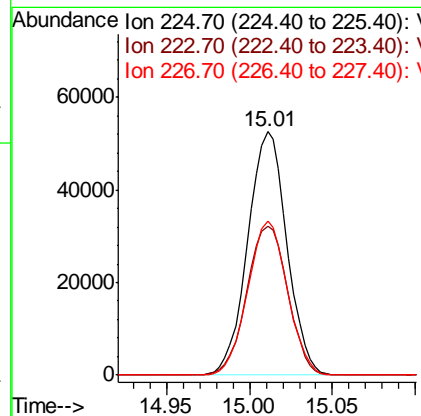
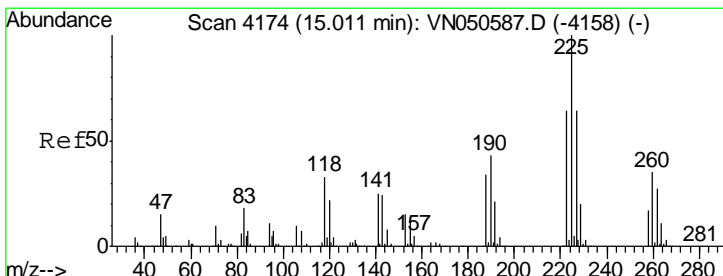
Tgt Ion	Resp	Lower	Upper
180	124107		
182	94.0	47.9	143.7
145	27.9	14.4	43.4

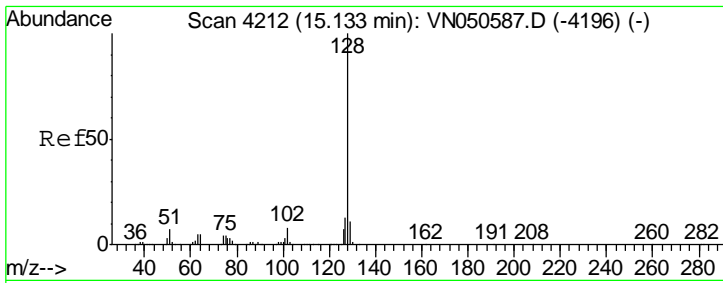
Manual Integrations
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 8/15/2018 3:32:20 PM



#94
 Hexachlorobutadiene
 Concen: 19.37 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
225	86196		
223	64.0	32.1	96.3
227	63.9	32.0	96.2



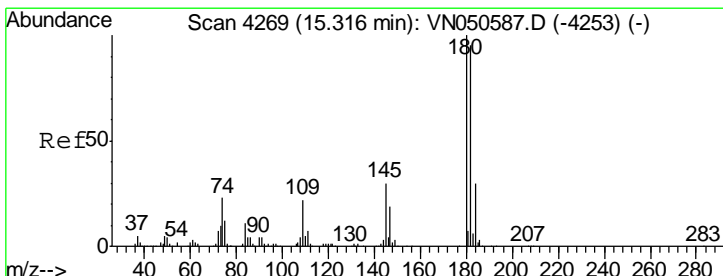
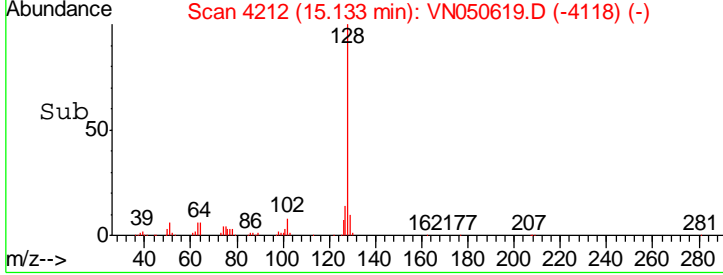
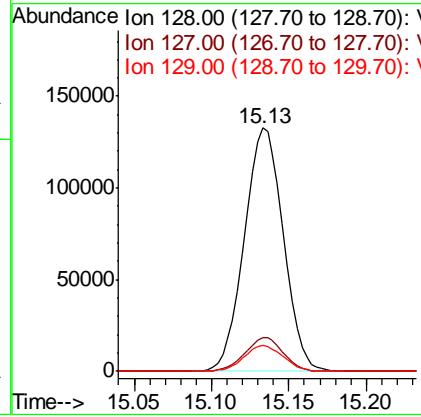
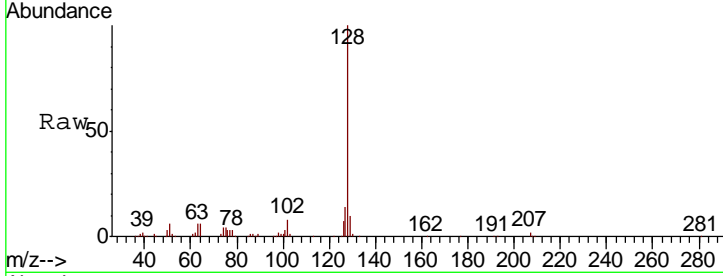


#95
 Naphthalene
 Concen: 17.41 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Instrument : MSVOA_N
 Client Sampled : VN0814WBS02

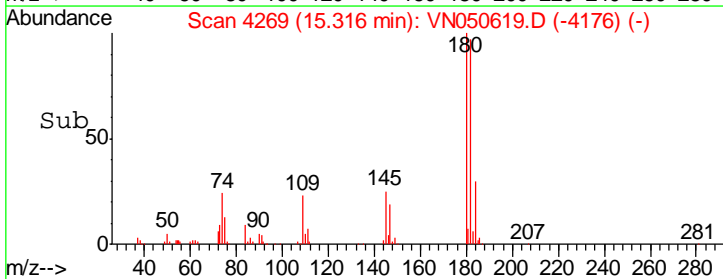
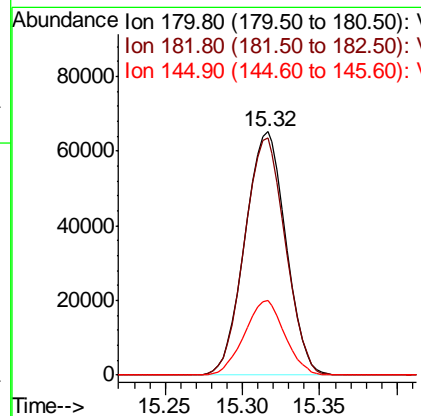
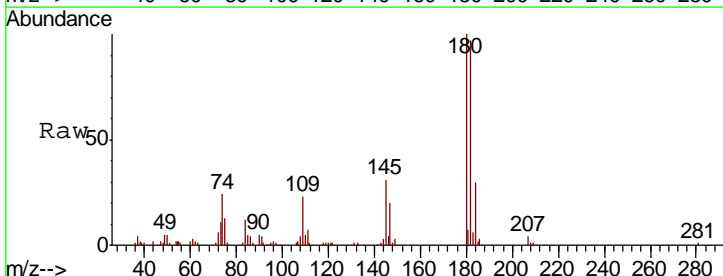
Tgt Ion	Resp	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	10.7	8.5	12.7

Manual Integrations APPROVED
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#96
 1,2,3-Trichlorobenzene
 Concen: 18.49 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050619.D
 Acq: 14 Aug 2018 23:00

Tgt Ion	Resp	Lower	Upper
180	100		
182	97.6	47.3	141.8
145	30.1	14.6	44.0





284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0815WBS01	SDG No.:	J4465
Lab Sample ID:	VN0815WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050642.D	1		08/15/18 09:52	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.4		0.2	0.2	1	ug/L
74-87-3	Chloromethane	17.9		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	17.4		0.2	0.2	1	ug/L
74-83-9	Bromomethane	17		0.2	0.2	1	ug/L
75-00-3	Chloroethane	17.7		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	17.2		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	17.3		0.2	0.2	1	ug/L
67-64-1	Acetone	94.9		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	17		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	17.5		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	17.9		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	17.8		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	17.2		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	17.4		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	17.7		0.2	0.2	1	ug/L
78-93-3	2-Butanone	90.5		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	17.8		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	17.4		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	18.8		0.2	0.5	1	ug/L
67-66-3	Chloroform	17.4		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	17.7		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	18.2		0.2	0.2	1	ug/L
71-43-2	Benzene	18.3		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	17.9		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	17.9		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	18		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	17.5		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	90.9		1	1	5	ug/L
108-88-3	Toluene	18.7		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	17.9		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.4		0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0815WBS01	SDG No.:	J4465
Lab Sample ID:	VN0815WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050642.D	1		08/15/18 09:52	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	18		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	92.3		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	18.1		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	18.1		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	17.9		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	17.8		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	18.1		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	37.1		0.4	0.4	2	ug/L
95-47-6	o-Xylene	18.1		0.2	0.2	1	ug/L
100-42-5	Styrene	17		0.2	0.2	1	ug/L
75-25-2	Bromoform	17.8		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	19		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.3		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	17.9		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	17.6		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.1		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.2		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.8		61 - 141		94%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	47.5		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.3		58 - 135		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	611914	7.67				
540-36-3	1,4-Difluorobenzene	888137	8.59				
3114-55-4	Chlorobenzene-d5	807676	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	383366	13.34				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0815WBS01	SDG No.:	J4465
Lab Sample ID:	VN0815WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050642.D	1		08/15/18 09:52	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050642.D
 Acq On : 15 Aug 2018 9:52
 Operator : MD\SY
 Sample : VN0815WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VN0815WBS01

Manual Integrations
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 8/16/2018 1:18:28 PM

Quant Time: Aug 16 02:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	611914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	888137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	807676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	383366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	360663	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	7.59	113	336658	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.09	98	1266946	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.40	95	390206	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	119830	17.37	ug/l	97
3) Chloromethane	2.06	50	153179	17.90	ug/l	98
4) Vinyl Chloride	2.18	62	159801	17.44	ug/l	100
5) Bromomethane	2.57	94	90607	17.02	ug/l	97
6) Chloroethane	2.70	64	95129	17.65	ug/l	99
7) Trichlorofluoromethane	3.01	101	206930	17.21	ug/l	100
8) Diethyl Ether	3.41	74	68480	17.12	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	128983	17.74	ug/l	99
10) Methyl Iodide	3.95	142	85843	21.25	ug/l	99
11) Tert butyl alcohol	4.79	59	36282	86.15	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	115159	17.34	ug/l	95
13) Acrolein	3.61	56	14311	82.46	ug/l	98
14) Allyl chloride	4.33	41	179782	17.41	ug/l	100
15) Acrylonitrile	4.99	53	199564	86.27	ug/l	98
16) Acetone	3.82	43	184502	94.90	ug/l	97
17) Carbon Disulfide	4.05	76	355817	17.03	ug/l	99
18) Methyl Acetate	4.33	43	100581	17.93	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	295774	17.50	ug/l	97
20) Methylene Chloride	4.55	84	136332	17.78	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	123719	17.19	ug/l	100
22) Diisopropyl ether	5.95	45	393036	18.56	ug/l	94
23) Vinyl Acetate	5.90	43	1227649	88.63	ug/l	100
24) 1,1-Dichloroethane	5.85	63	238429	17.40	ug/l	100
25) 2-Butanone	6.84	43	286196	90.50	ug/l	99
26) 2,2-Dichloropropane	6.83	77	196947	21.47	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	139353	17.39	ug/l	98
28) Bromochloromethane	7.20	49	117095	18.78	ug/l	100
29) Tetrahydrofuran	7.22	42	143244	86.75	ug/l	100
30) Chloroform	7.37	83	241835	17.42	ug/l	99
31) Cyclohexane	7.66	56	209353	17.68	ug/l #	93
32) 1,1,1-Trichloroethane	7.57	97	206915	17.70	ug/l	99
36) 1,1-Dichloropropene	7.80	75	180983	18.31	ug/l	99
37) Ethyl Acetate	6.94	43	101999	18.25	ug/l	97
38) Carbon Tetrachloride	7.77	117	182238	17.77	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050642.D
 Acq On : 15 Aug 2018 9:52
 Operator : MD\SY
 Sample : VN0815WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Manual Integrations
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MMDadoda
 8/16/2018 1:18:28 PM

Quant Time: Aug 16 02:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	186506	18.22	ug/l	98
40) Benzene	8.04	78	550623	18.31	ug/l	99
41) Methacrylonitrile	7.18	41	49124	16.26	ug/l	89
42) 1,2-Dichloroethane	8.13	62	164613	17.86	ug/l	99
43) Isopropyl Acetate	8.17	43	175845	17.27	ug/l	99
44) Trichloroethene	8.84	130	144401	17.92	ug/l	98
45) 1,2-Dichloropropane	9.12	63	144370	18.03	ug/l	100
46) Dibromomethane	9.21	93	83695	17.70	ug/l	97
47) Bromodichloromethane	9.40	83	176865	17.50	ug/l	99
48) Methyl methacrylate	9.20	41	88596	17.29	ug/l	98
49) 1,4-Dioxane	9.20	88	23984	355.26	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	626181	90.91	ug/l	100
52) Toluene	10.16	92	336123	18.72	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	168682	17.92	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	199062	18.43	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	120558	17.97	ug/l	99
56) Ethyl methacrylate	10.43	69	135824	17.17	ug/l	99
57) 1,3-Dichloropropane	10.71	76	197401	17.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	374164	97.89	ug/l	100
59) 2-Hexanone	10.75	43	410163	92.26	ug/l	99
60) Dibromochloromethane	10.90	129	133822	18.07	ug/l	98
61) 1,2-Dibromoethane	11.01	107	115607	18.09	ug/l	99
64) Tetrachloroethene	10.63	164	133879	17.85	ug/l	99
65) Chlorobenzene	11.43	112	358083	17.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	135082	17.93	ug/l	100
67) Ethyl Benzene	11.51	91	586851	18.08	ug/l	99
68) m/p-Xylenes	11.62	106	460740	37.12	ug/l	99
69) o-Xylene	11.95	106	213913	18.07	ug/l	98
70) Styrene	11.96	104	345079	17.02	ug/l	100
71) Bromoform	12.13	173	88739	17.76	ug/l #	98
73) Isopropylbenzene	12.25	105	569348	19.01	ug/l	100
74) N-amyl acetate	12.07	43	135008	17.32	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	143964	19.27	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112951m	17.57	ug/l	
77) Bromobenzene	12.53	156	145929	17.94	ug/l	99
78) n-propylbenzene	12.59	91	646671	19.36	ug/l	99
79) 2-Chlorotoluene	12.68	91	390591	18.76	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	468671	19.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32741	18.99	ug/l	97
82) 4-Chlorotoluene	12.77	91	385454	18.73	ug/l	99
83) tert-Butylbenzene	12.99	119	388360	18.66	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	474448	19.71	ug/l	99
85) sec-Butylbenzene	13.17	105	523855	19.26	ug/l	100
86) p-Isopropyltoluene	13.29	119	445014	19.31	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	248346	17.94	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	241134	17.55	ug/l	99
89) n-Butylbenzene	13.62	91	335809	18.04	ug/l	98
90) Hexachloroethane	13.88	117	83939	18.11	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	240584	17.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18811	17.60	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050642.D
 Acq On : 15 Aug 2018 9:52
 Operator : MD\SY
 Sample : VN0815WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Manual Integrations
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Quant Time: Aug 16 02:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98439	16.12	ug/l	99
94) Hexachlorobutadiene	15.01	225	76813	18.55	ug/l	97
95) Naphthalene	15.13	128	178839	15.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	96158	16.21	ug/l	96

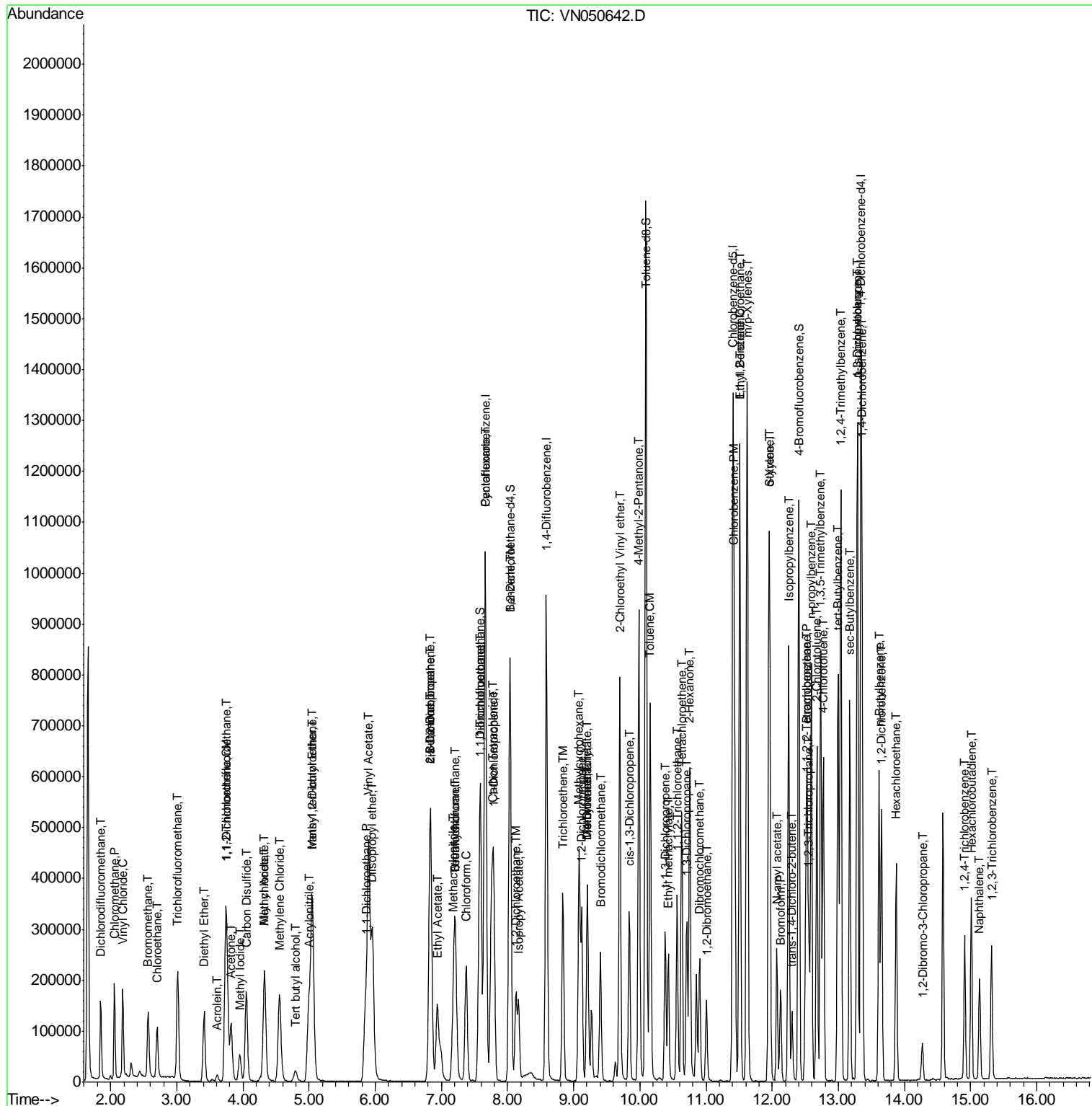
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050642.D
 Acq On : 15 Aug 2018 9:52
 Operator : MD\SY
 Sample : VN0815WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

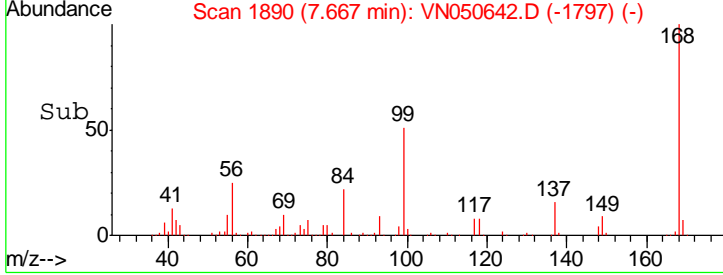
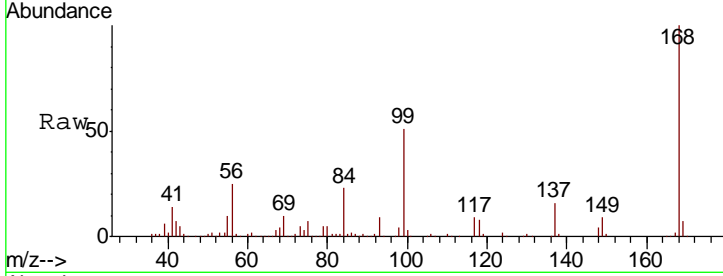
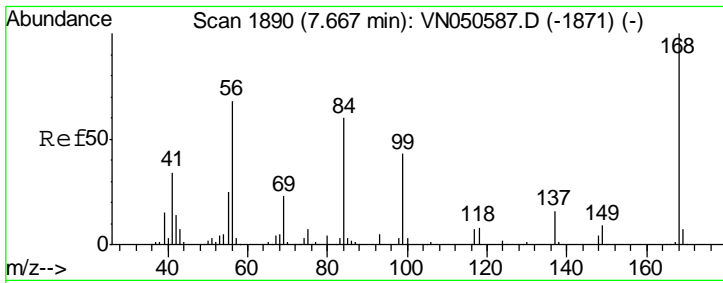
Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

Manual Integrations APPROVED
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 8/16/2018 1:18:28 PM

Quant Time: Aug 16 02:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



- 1
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- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

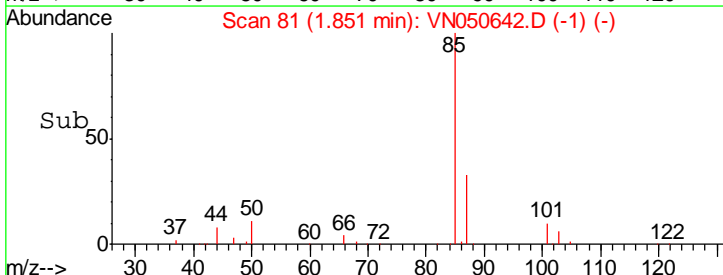
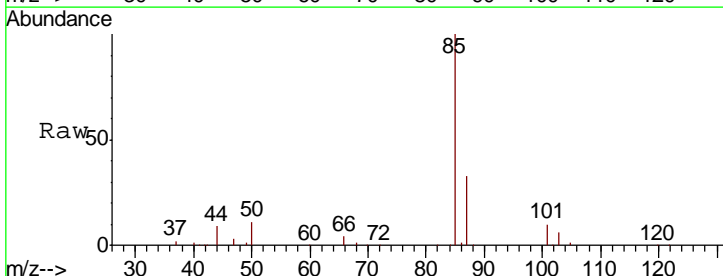
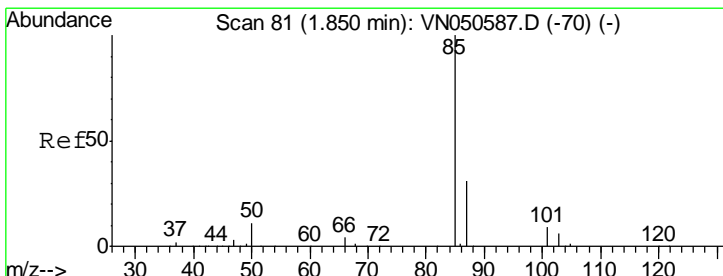
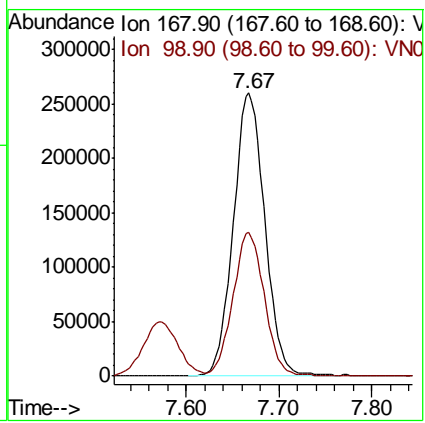
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.8	40.8	61.2

Instrument :
MSVOA_N

ClientSampled :
VN0815WBS01

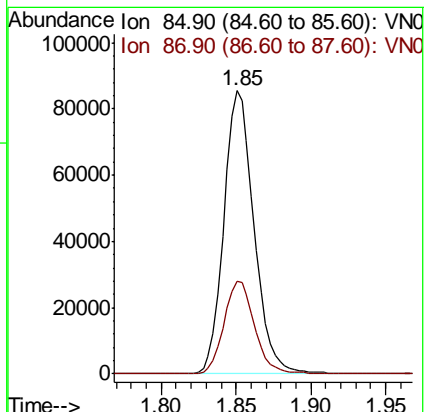
Manual Integrations
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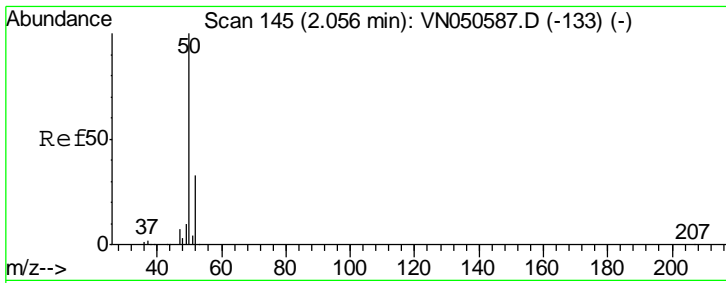
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#2
 Dichlorodifluoromethane
 Concen: 17.37 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.9	15.8	47.3



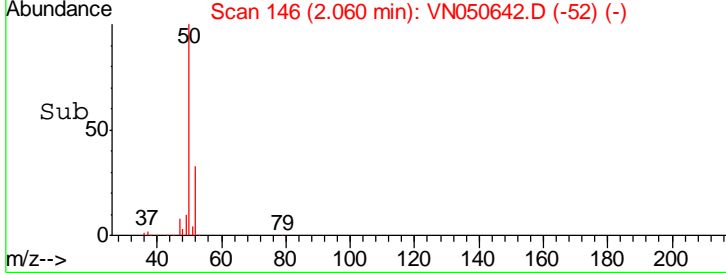
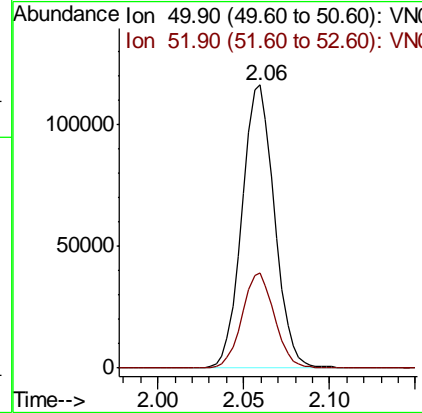
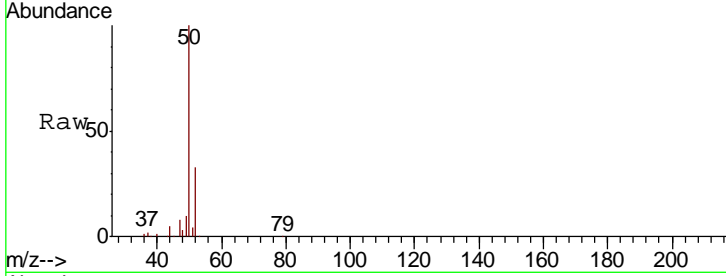


#3
 Chloromethane
 Concen: 17.90 ug/l
 RT: 2.06 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
50	153179		
52	33.5	26.0	39.0

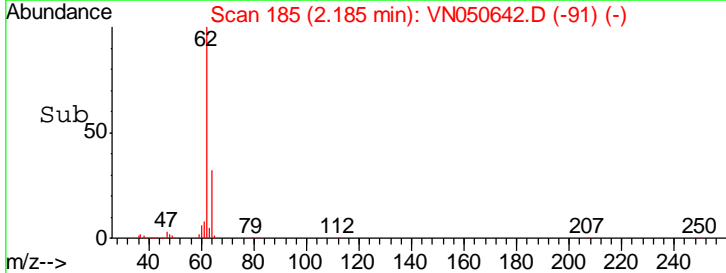
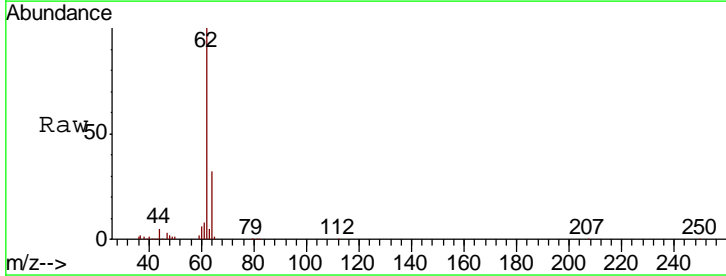
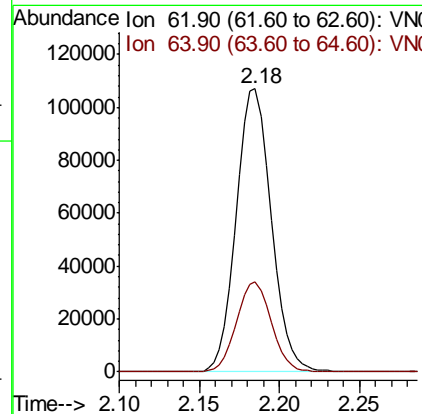
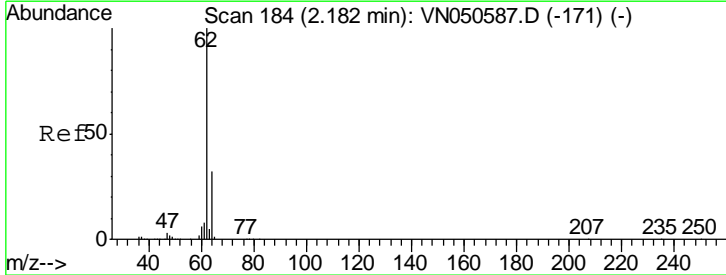
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

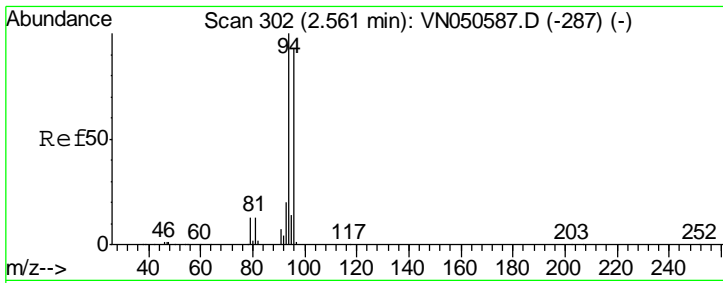
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#4
 Vinyl Chloride
 Concen: 17.44 ug/l
 RT: 2.18 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
62	159801		
64	31.7	25.2	37.8



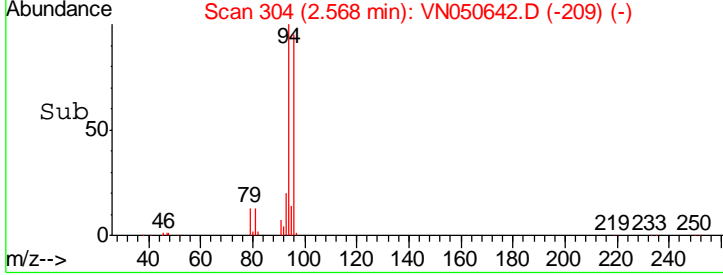
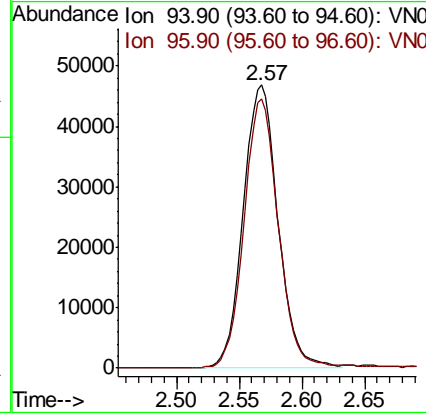
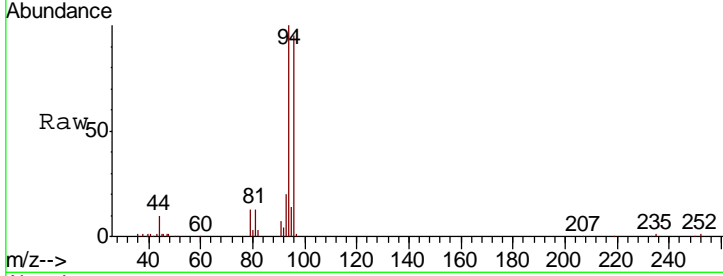


#5
 Bromomethane
 Concen: 17.02 ug/l
 RT: 2.57 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
94	100		
96	95.4	74.0	111.0

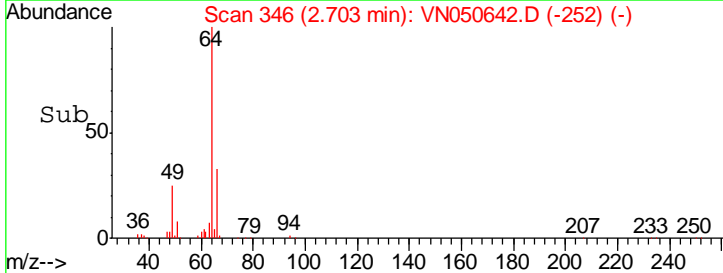
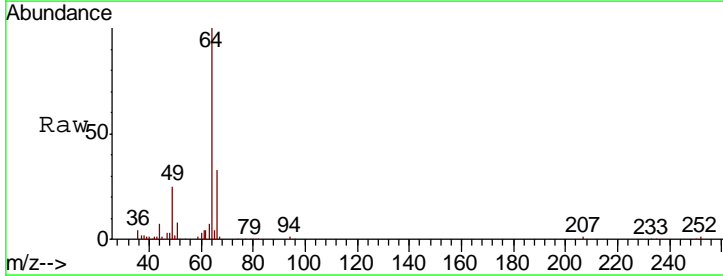
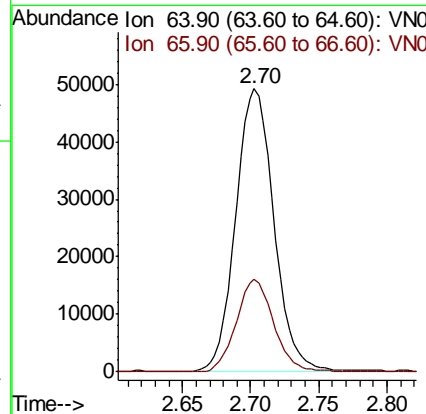
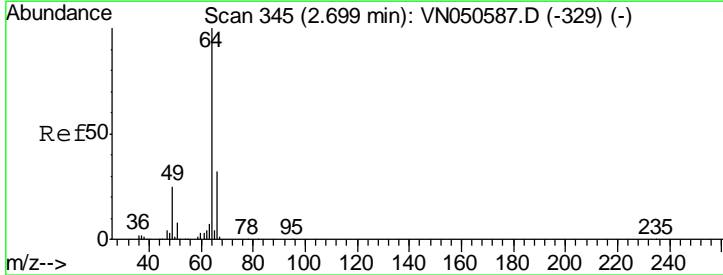
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

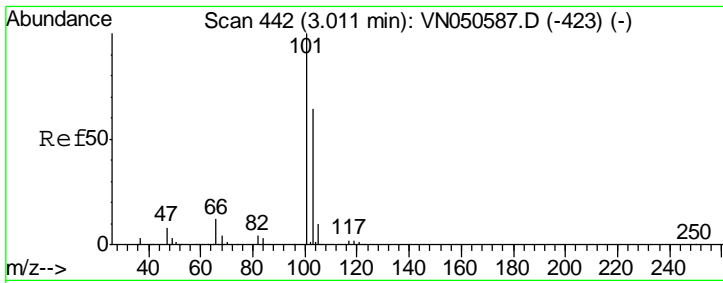
Manual Integrations
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 MMDadoda
 8/16/2018 1:18:28 PM



#6
 Chloroethane
 Concen: 17.65 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.7	25.7	38.5



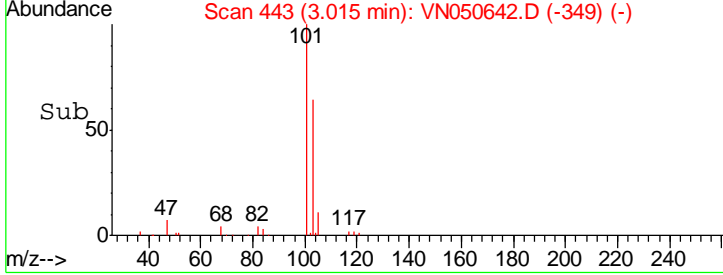
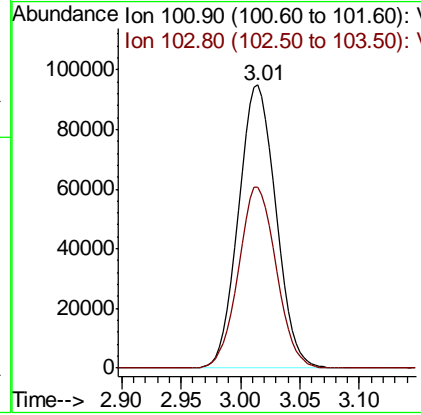
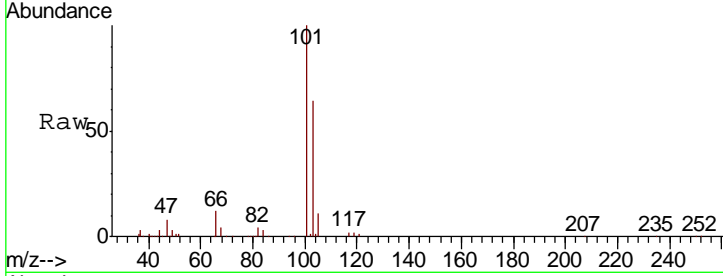


#7
 Trichlorofluoromethane
 Concen: 17.21 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
101	206930		
103	63.8	51.4	77.0

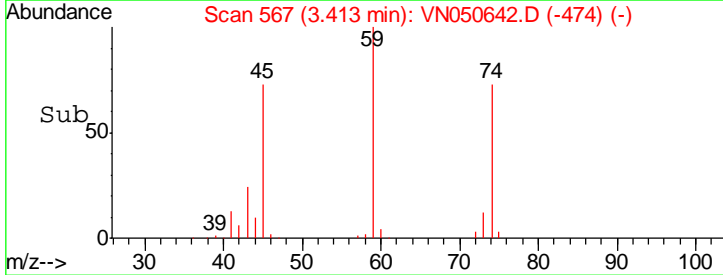
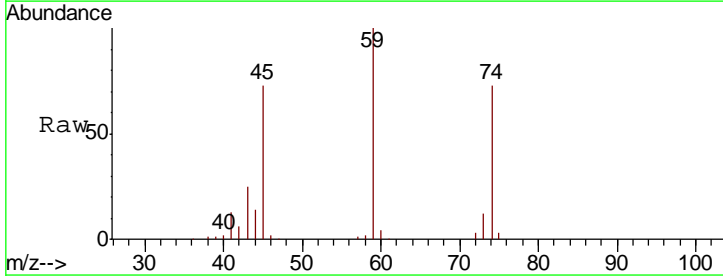
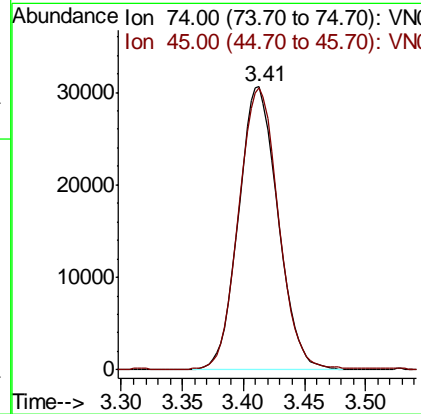
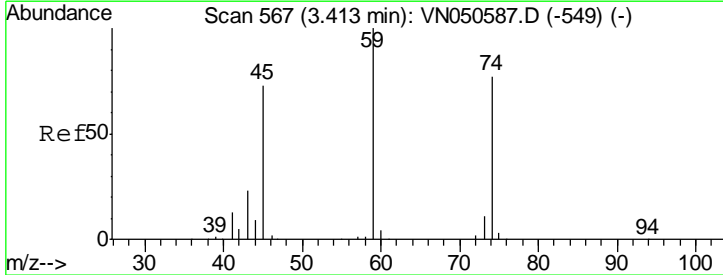
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

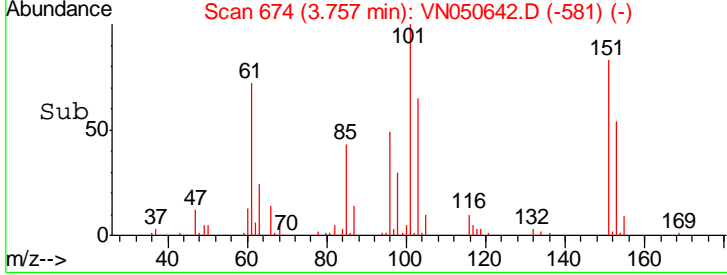
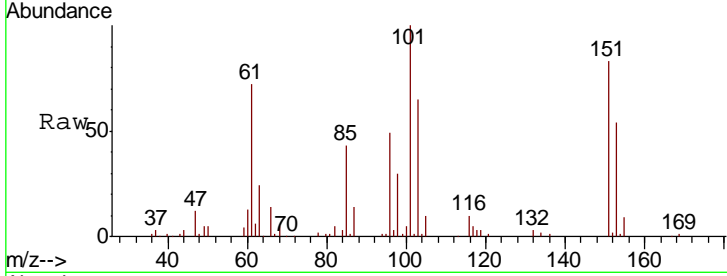
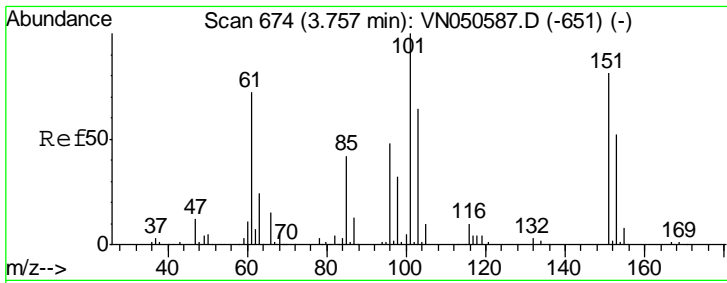
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#8
 Diethyl Ether
 Concen: 17.12 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
74	68480		
45	101.0	48.0	144.2



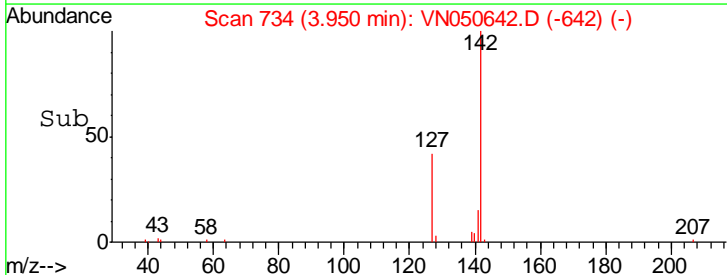
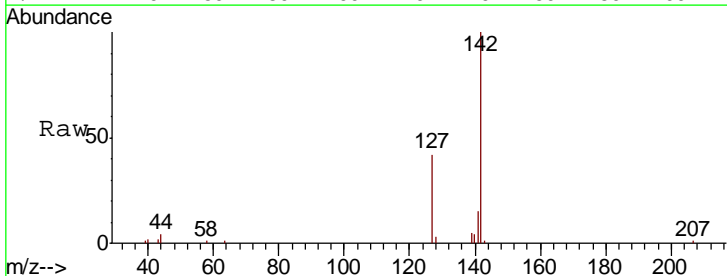
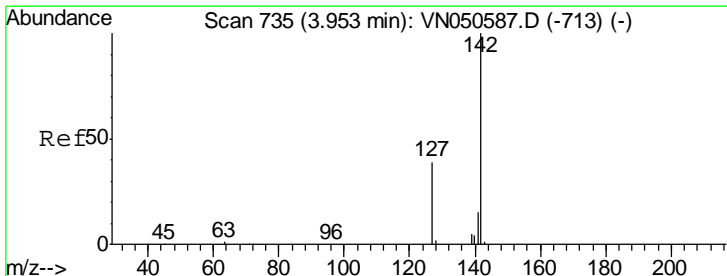
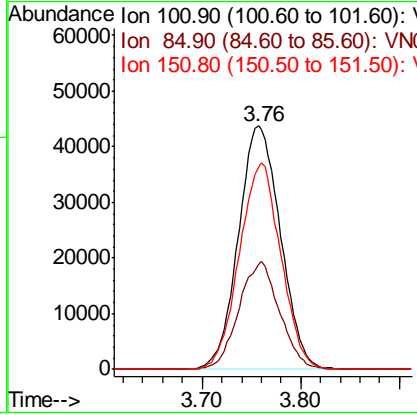


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.74 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
101	128983		
101	100		
85	42.8	33.4	50.0
151	83.7	66.6	100.0

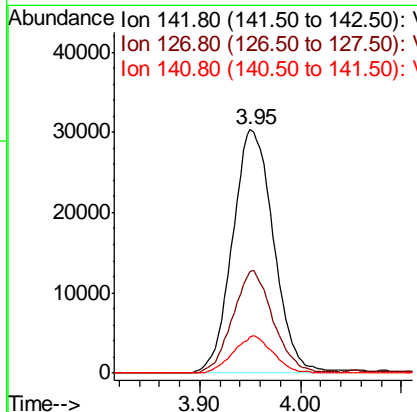
Instrument : MSVOA_N
 ClientSampleId : VN0815WBS01

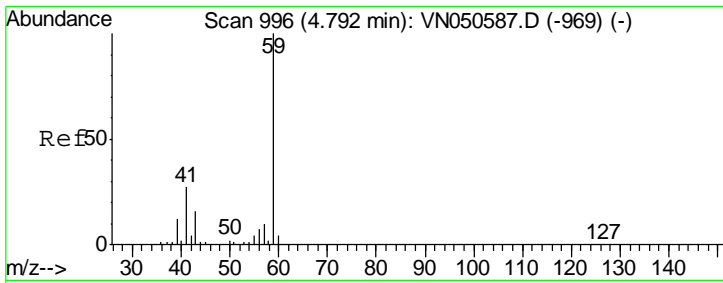
Manual Integrations
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#10
 Methyl Iodide
 Concen: 21.25 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
142	85843		
142	100		
127	41.3	32.6	49.0
141	14.6	11.5	17.3





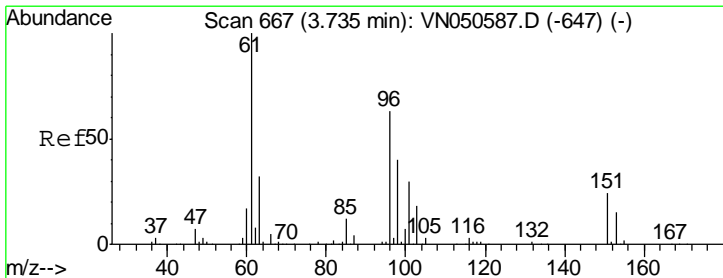
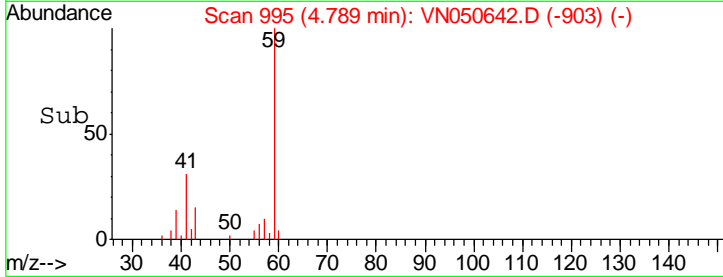
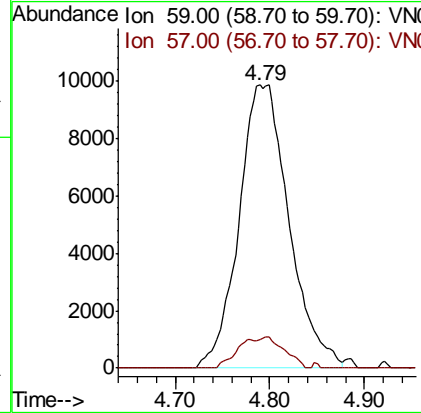
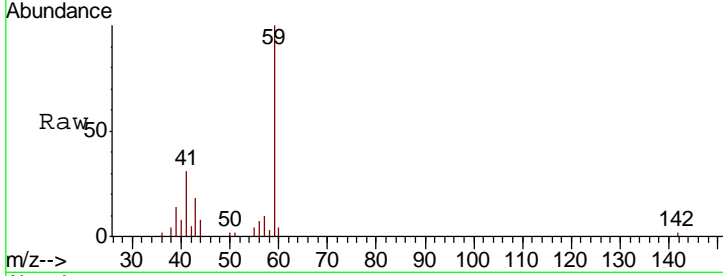
#11
 Tert butyl alcohol
 Concen: 86.15 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
59	36282		
57	0.0	8.4	12.6#

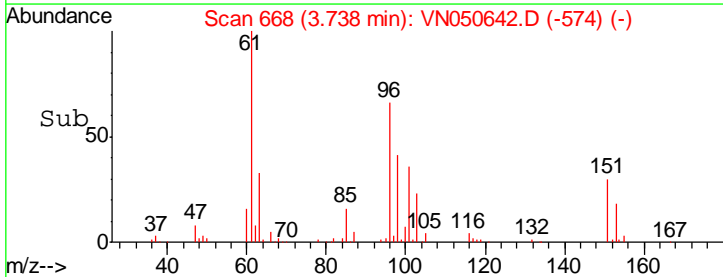
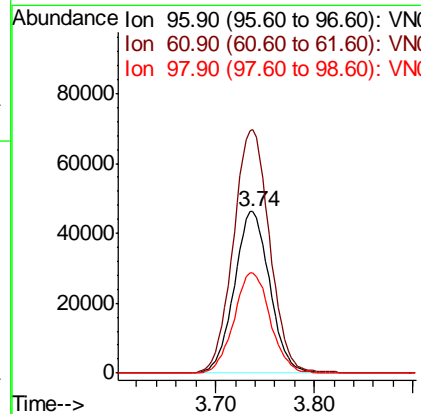
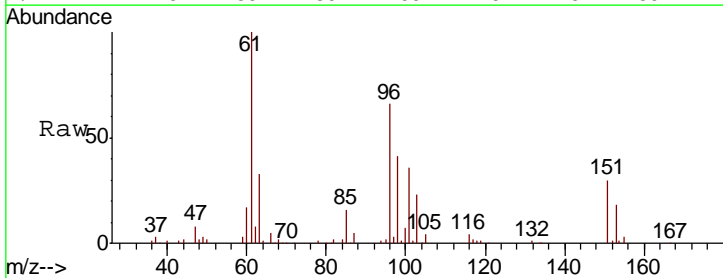
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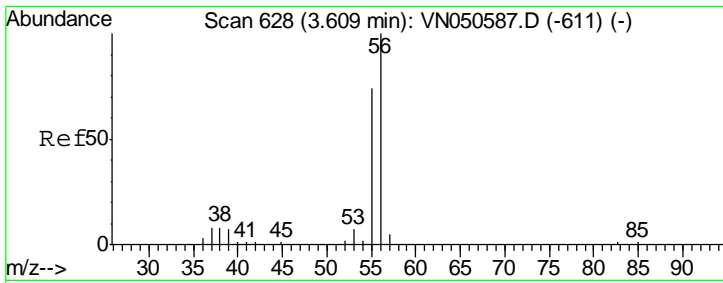
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#12
 1,1-Dichloroethene
 Concen: 17.34 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
96	115159		
61	150.6	126.9	190.3
98	62.2	51.1	76.7





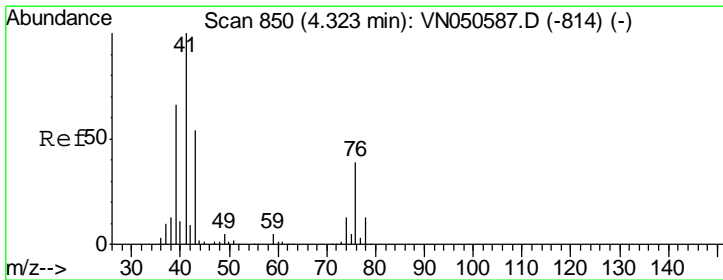
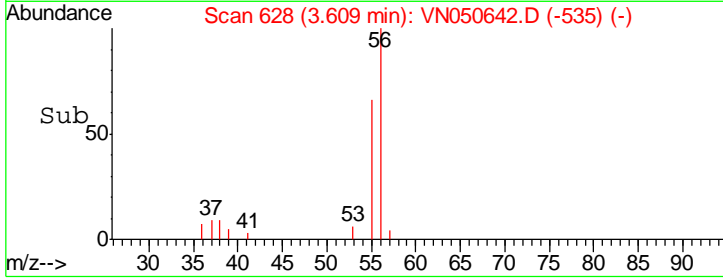
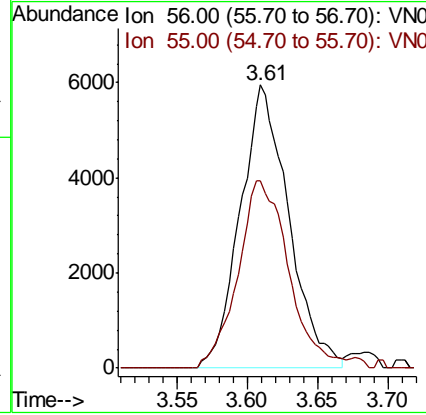
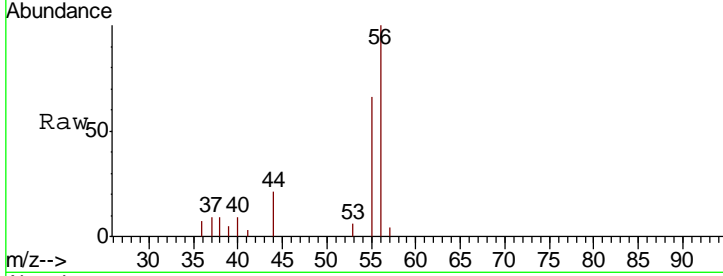
#13
 Acrolein
 Concen: 82.46 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
56	14311		
55	69.2	56.3	84.5

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

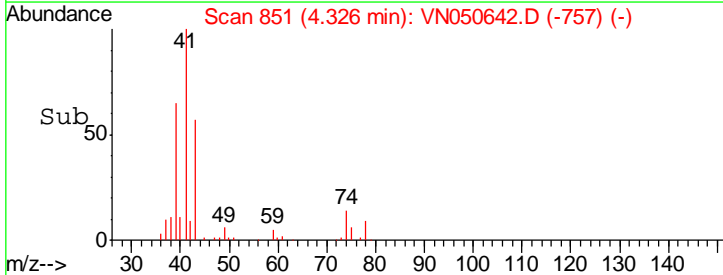
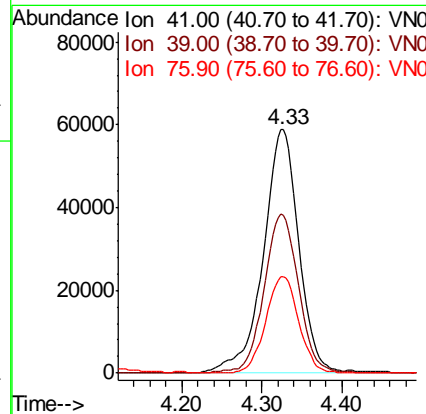
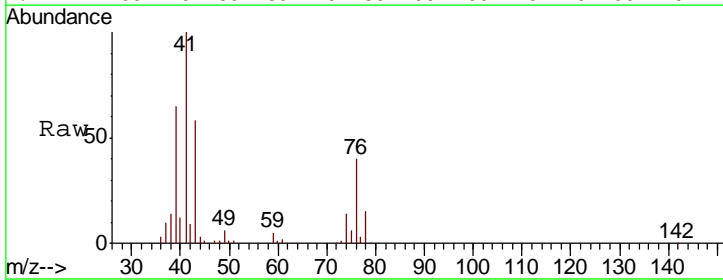
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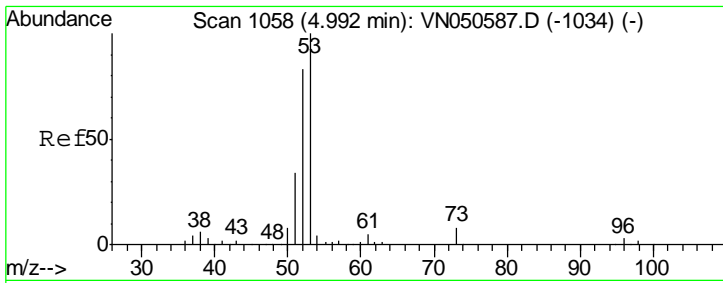
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#14
 Allyl chloride
 Concen: 17.41 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
41	179782		
39	63.9	51.4	77.0
76	36.3	29.4	44.0





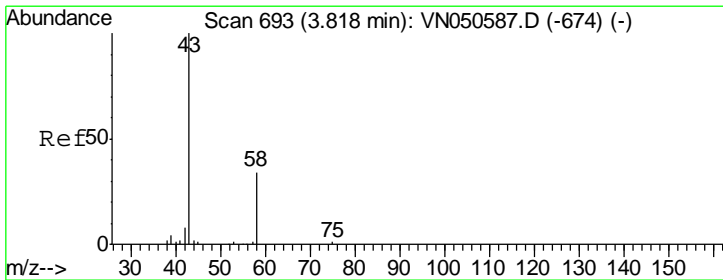
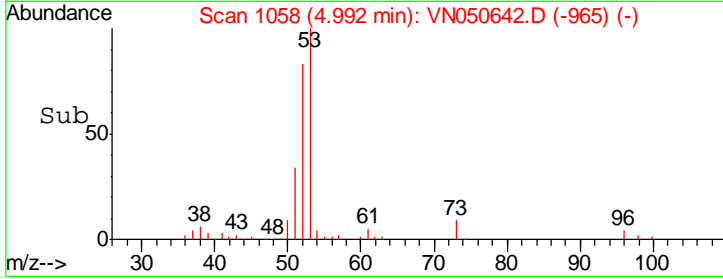
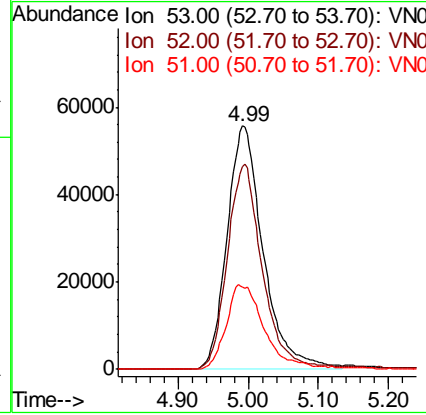
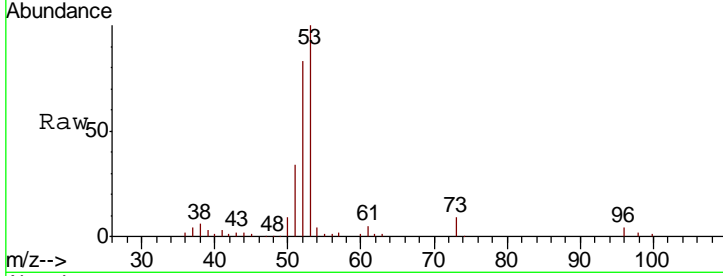
#15
 Acrylonitrile
 Concen: 86.27 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
53	100		
52	80.6	66.2	99.2
51	36.9	28.6	43.0

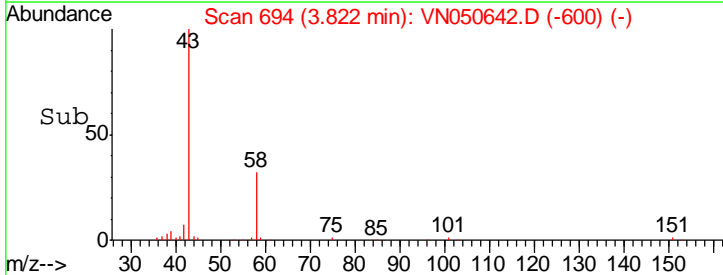
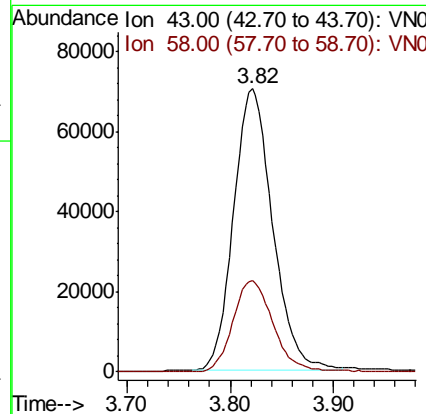
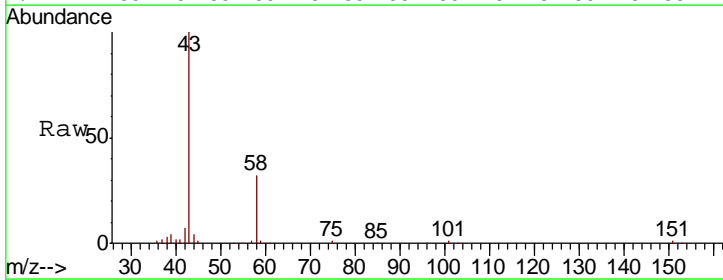
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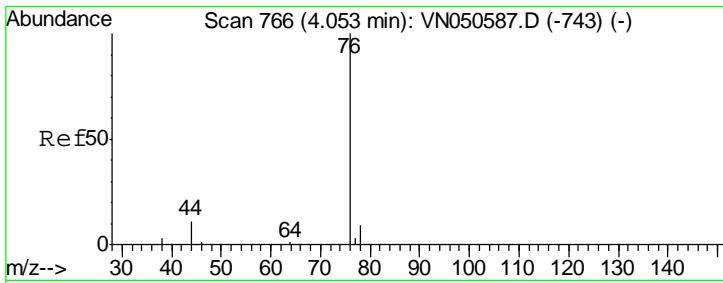
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#16
 Acetone
 Concen: 94.90 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.3	27.1	40.7



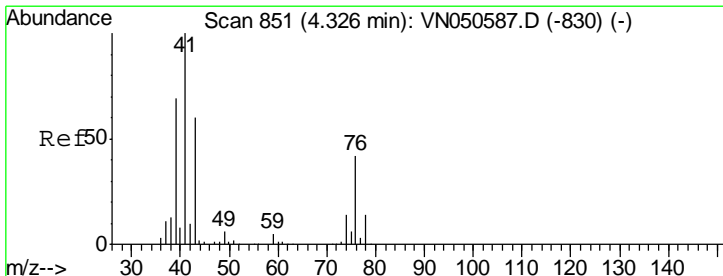
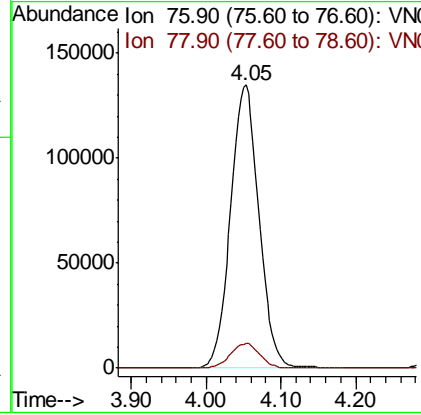
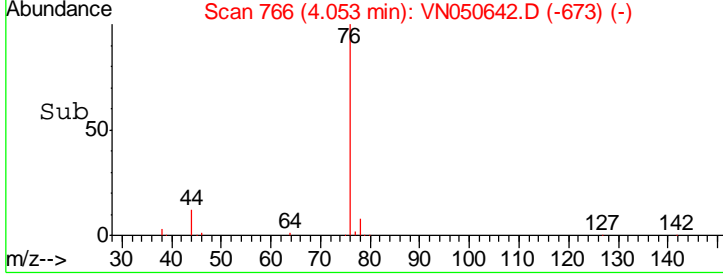
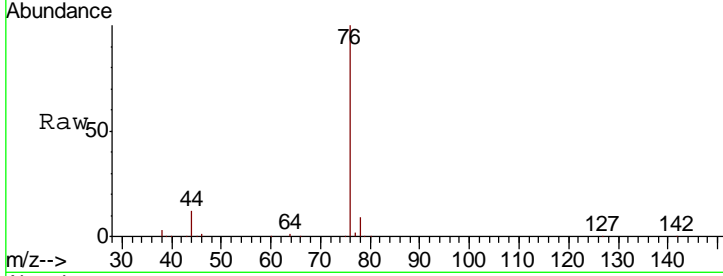


#17
 Carbon Disulfide
 Concen: 17.03 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
76	355817		
76	100		
78	8.7	7.3	10.9

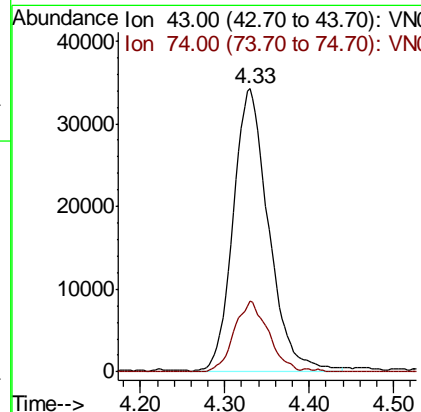
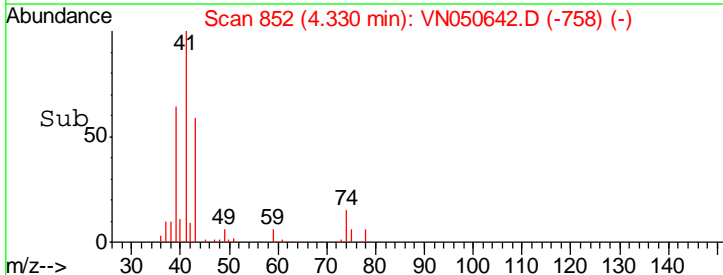
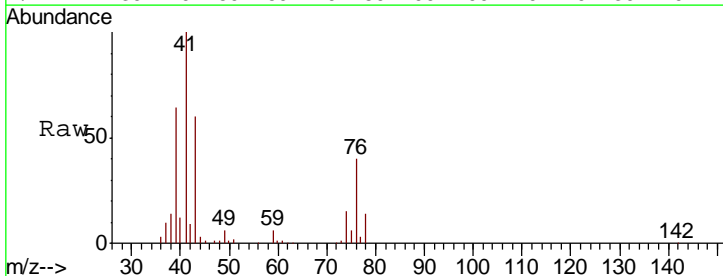
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

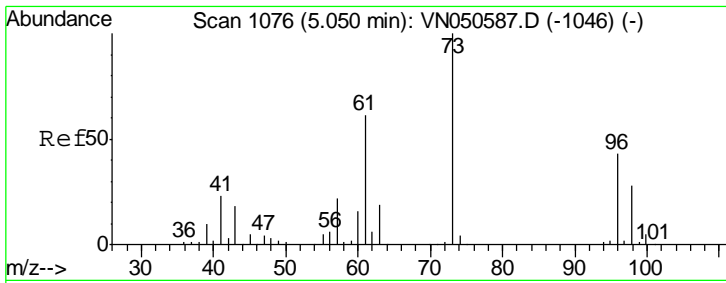
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#18
 Methyl Acetate
 Concen: 17.93 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
43	100581		
43	100		
74	24.0	19.7	29.5





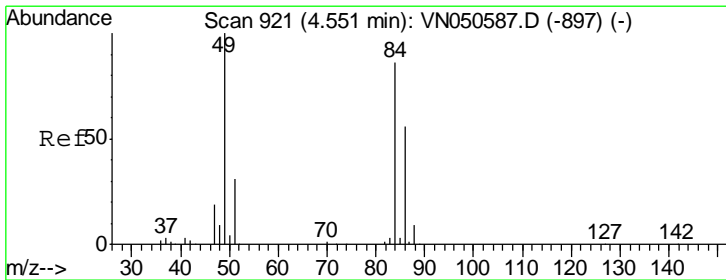
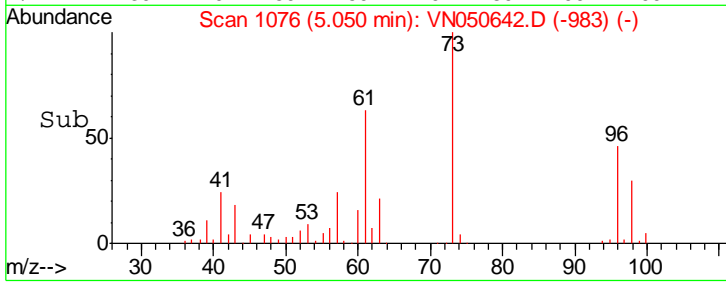
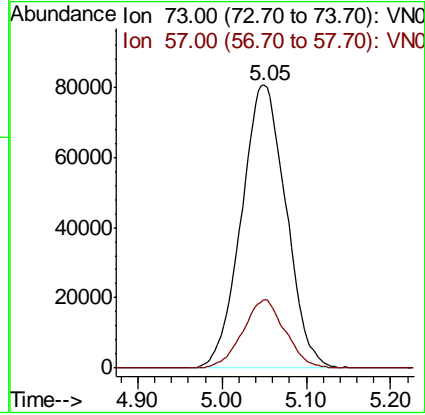
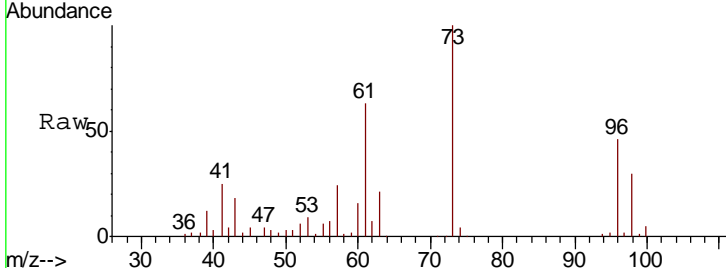
#19
Methyl tert-butyl Ether
Concen: 17.50 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
Client Sampled : VN0815WBS01

Tgt Ion: 73 Resp: 295774

Ion	Ratio	Lower	Upper
73	100		
57	24.1	17.9	26.9

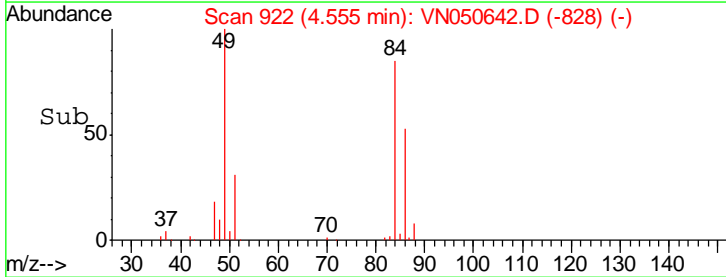
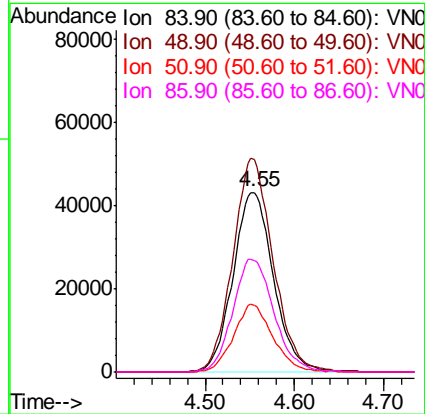
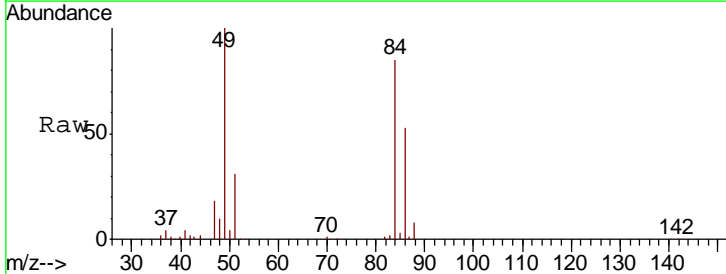
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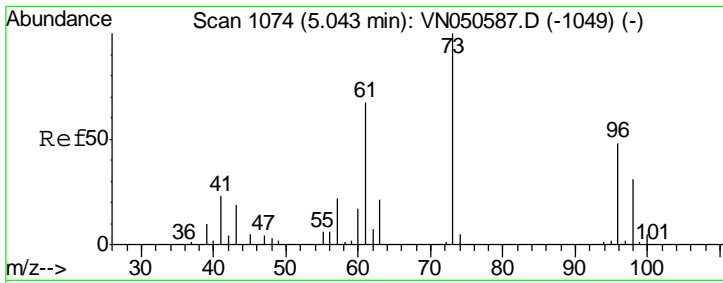


#20
Methylene Chloride
Concen: 17.78 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion: 84 Resp: 136332

Ion	Ratio	Lower	Upper
84	100		
49	117.7	92.6	138.8
51	37.1	28.6	43.0
86	62.3	52.2	78.2





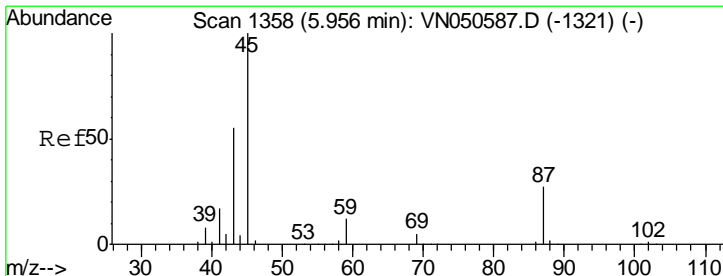
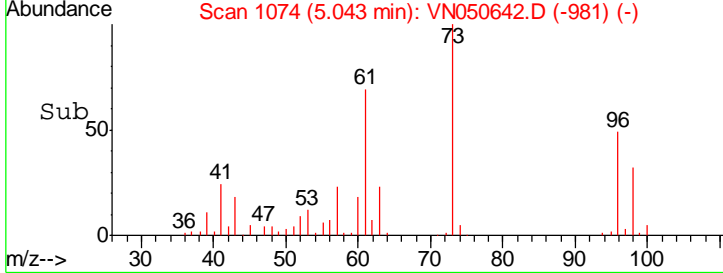
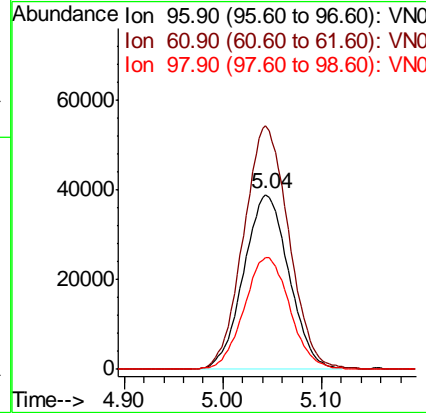
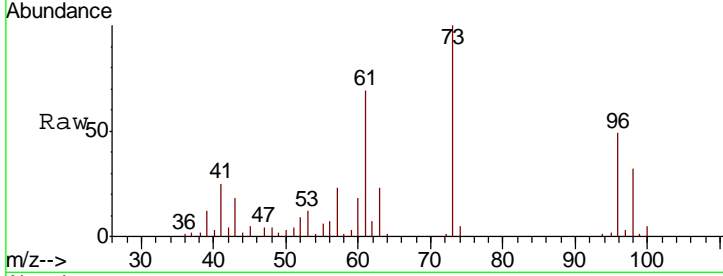
#21
 trans-1,2-Dichloroethene
 Concen: 17.19 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
96	123719		
96	100		
61	139.3	111.2	166.8
98	64.0	51.6	77.4

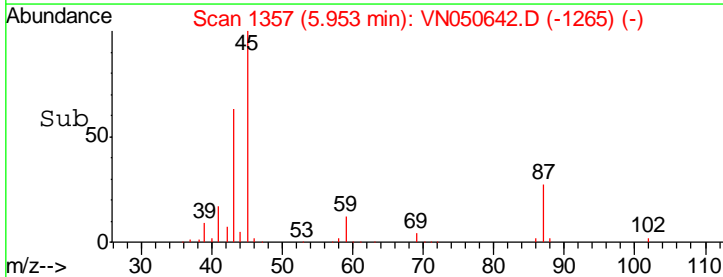
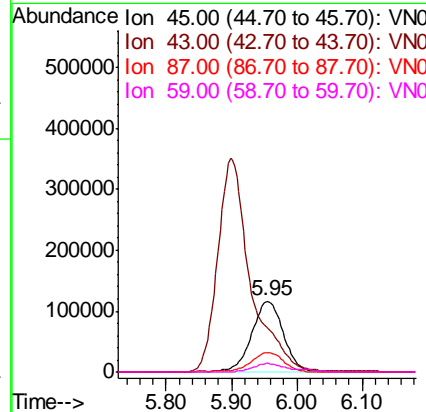
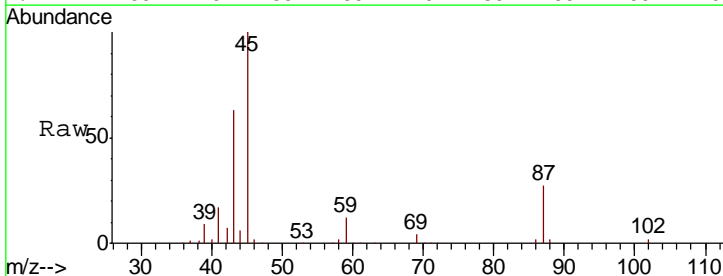
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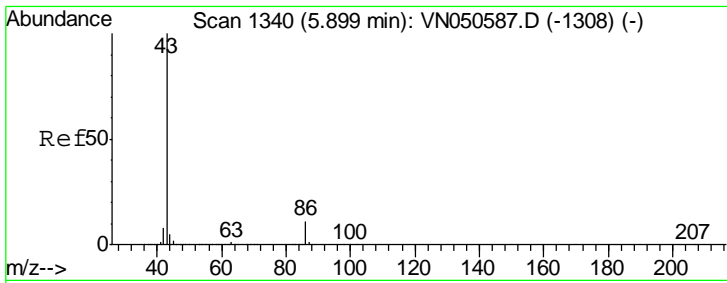
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#22
 Diisopropyl ether
 Concen: 18.56 ug/l
 RT: 5.95 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
45	393036		
45	100		
43	61.7	44.5	66.7
87	26.6	22.2	33.2
59	11.6	9.5	14.3





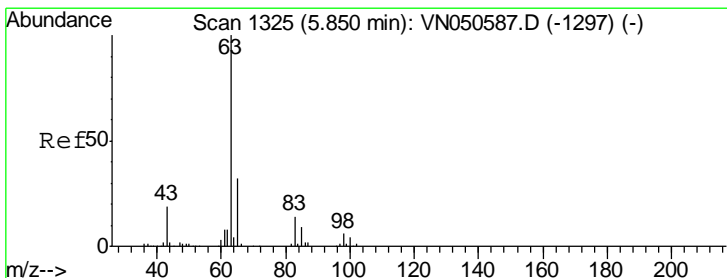
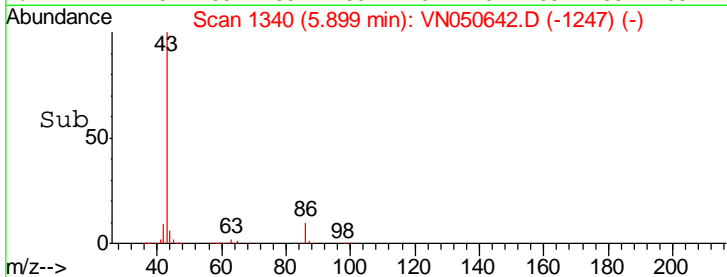
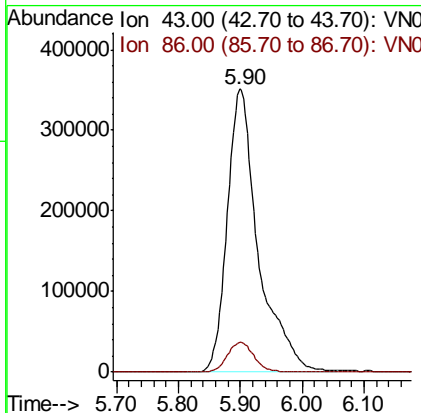
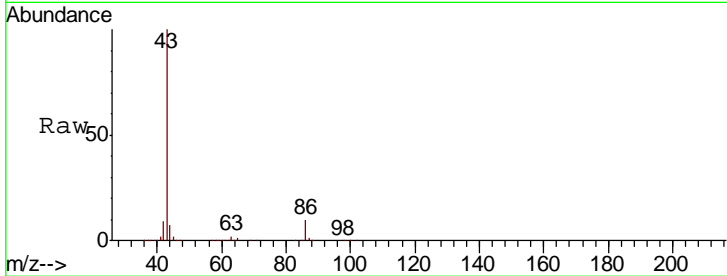
#23
 Vinyl Acetate
 Concen: 88.63 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.4	8.4	12.6

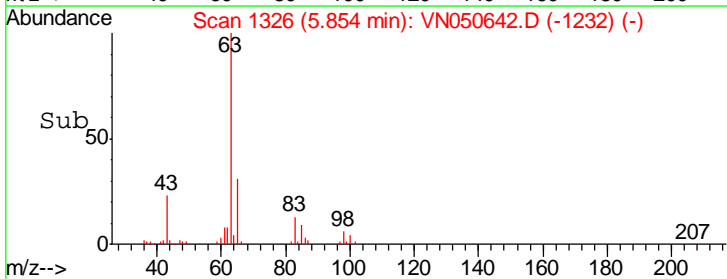
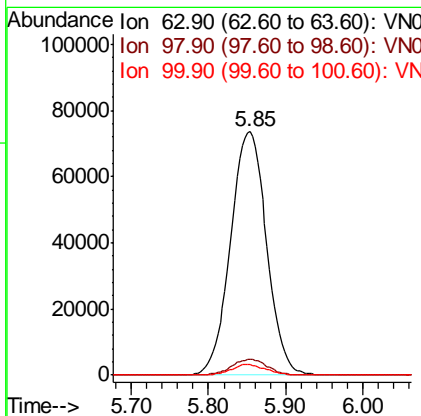
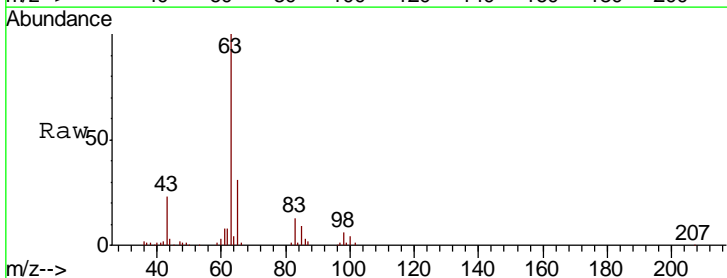
Manual Integrations
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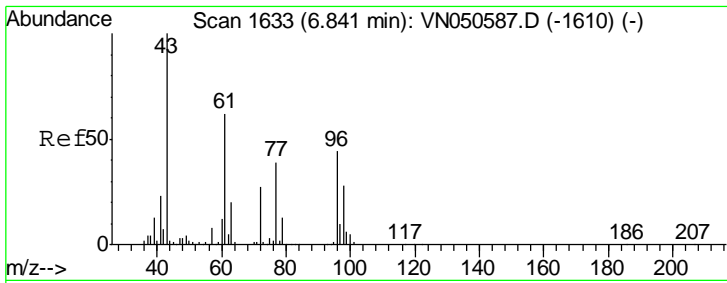
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#24
 1,1-Dichloroethane
 Concen: 17.40 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	4.2	2.1	6.5





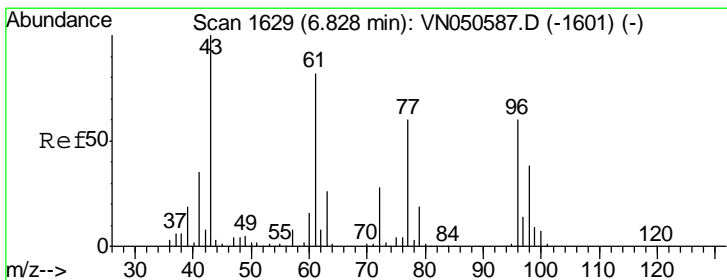
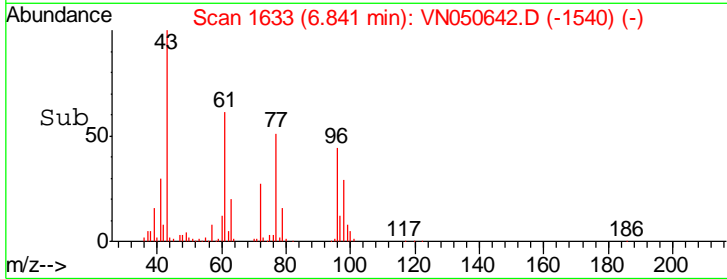
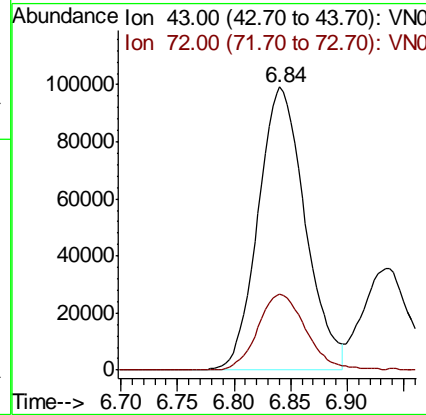
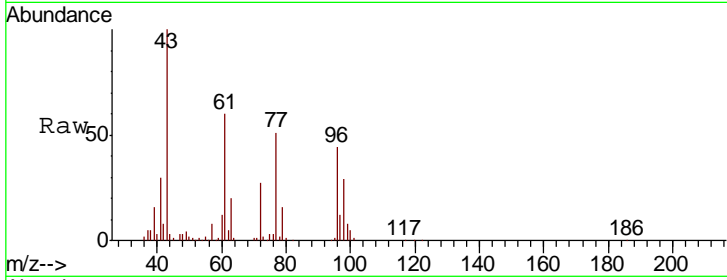
#25
 2-Butanone
 Concen: 90.50 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.8	32.6

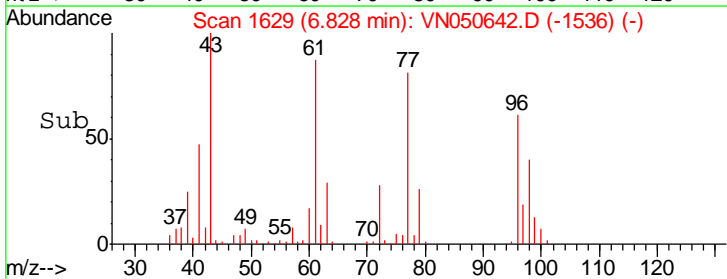
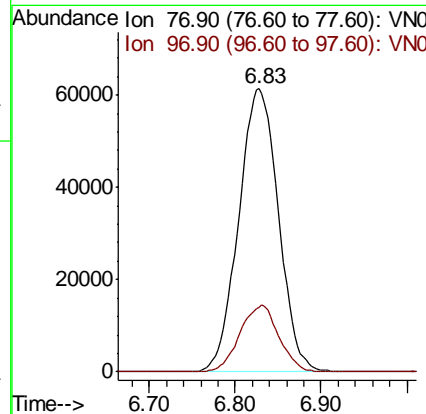
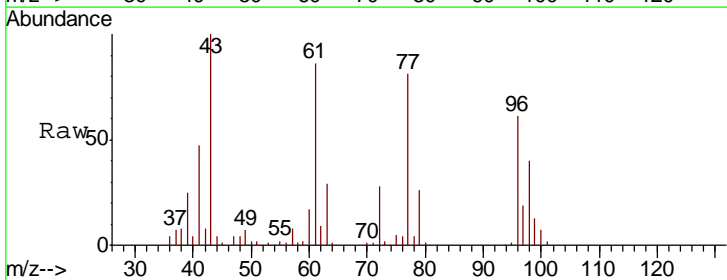
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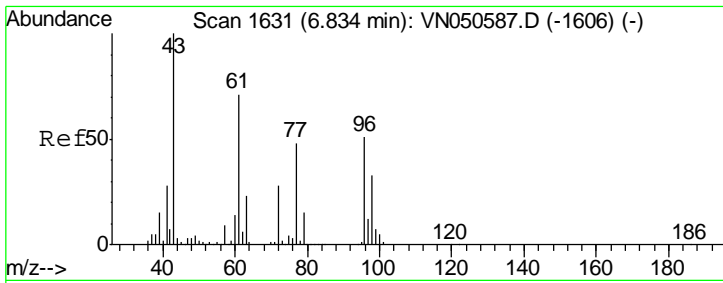
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 21.47 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.0	12.2	36.4



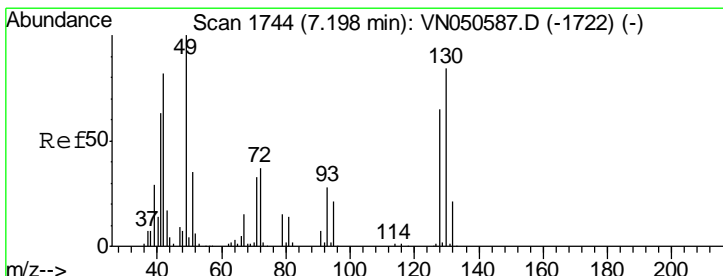
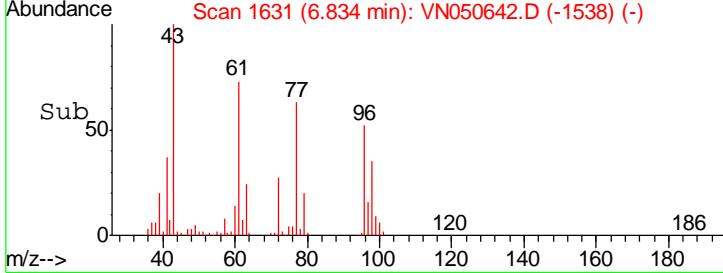
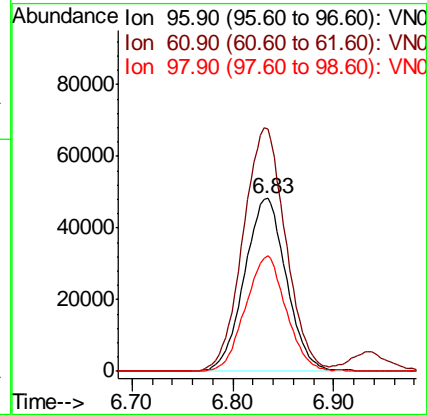
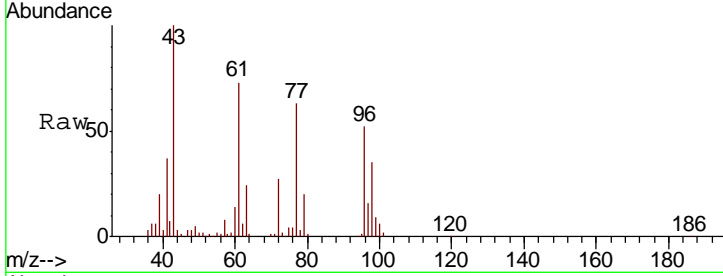


#27
 cis-1,2-Dichloroethene
 Concen: 17.39 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

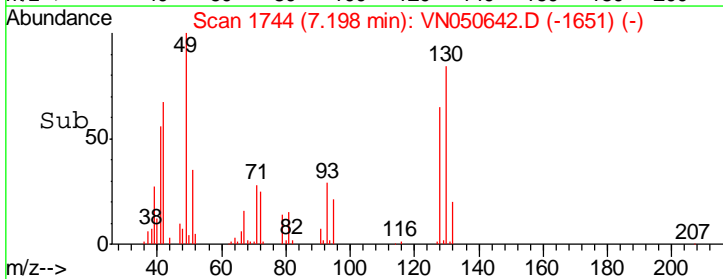
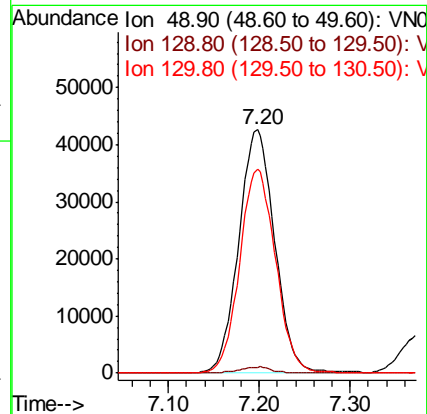
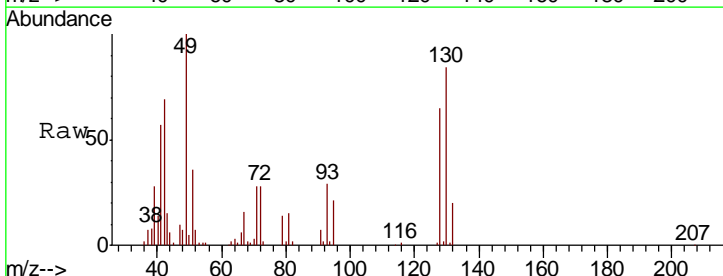
Tgt Ion	Resp	Lower	Upper
96	139353		
96	100		
61	142.9	0.0	278.2
98	64.6	0.0	128.8

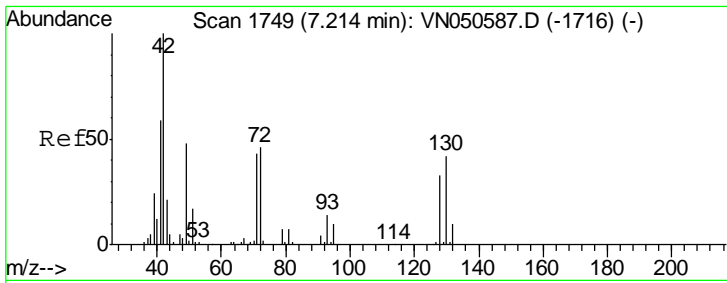
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#28
 Bromochloromethane
 Concen: 18.78 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
49	117095		
49	100		
129	2.2	0.0	4.2
130	83.3	66.8	100.2





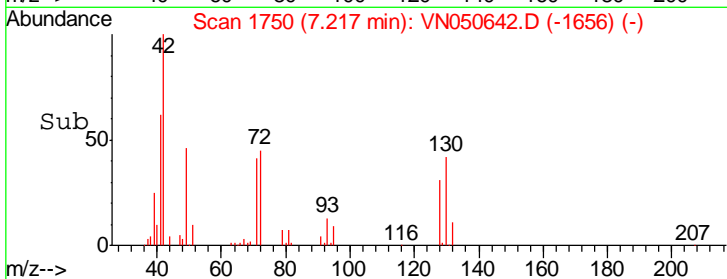
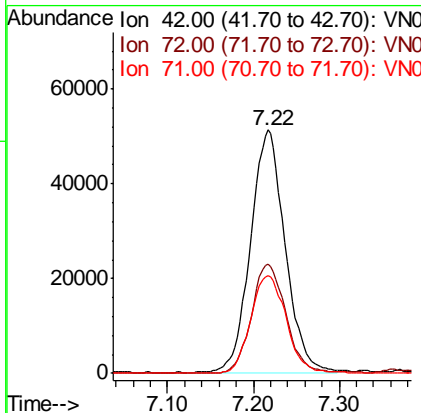
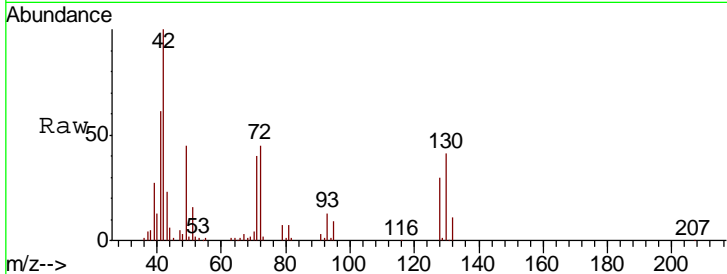
#29
 Tetrahydrofuran
 Concen: 86.75 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
42	143244		
72	44.9	35.8	53.6
71	41.6	33.4	50.0

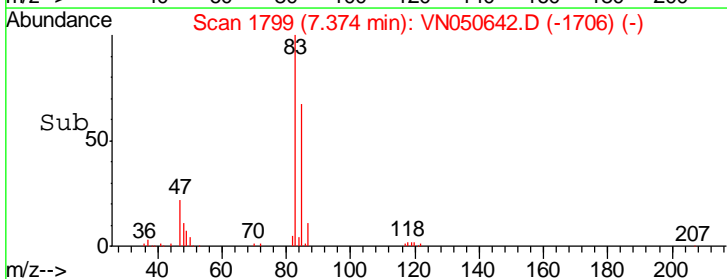
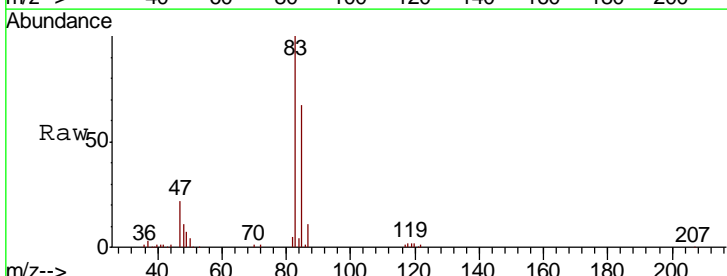
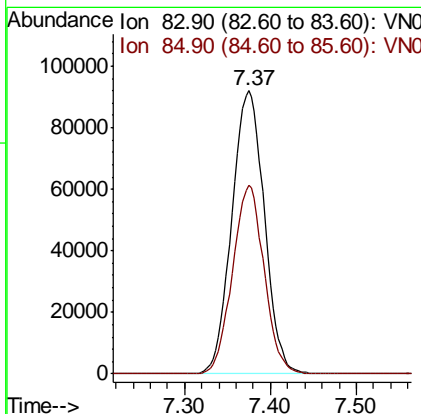
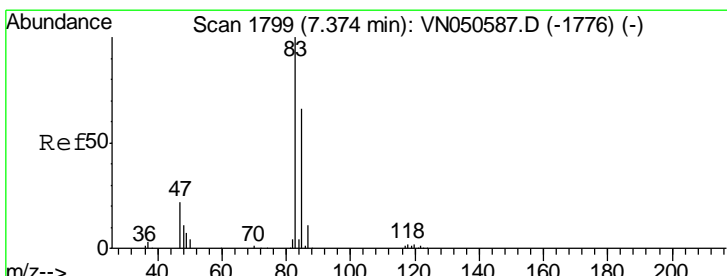
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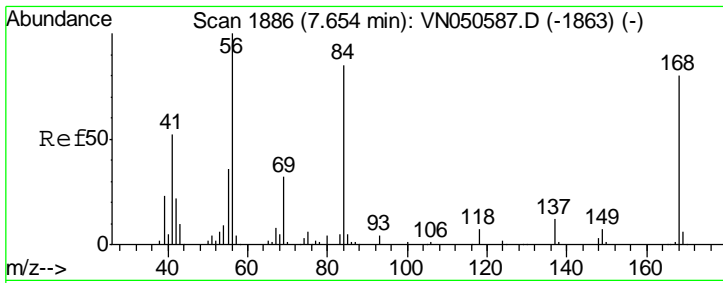
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#30
 Chloroform
 Concen: 17.42 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
83	241835		
85	66.8	52.5	78.7





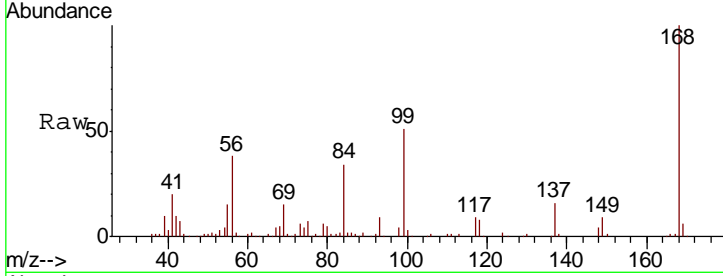
#31
 Cyclohexane
 Concen: 17.68 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

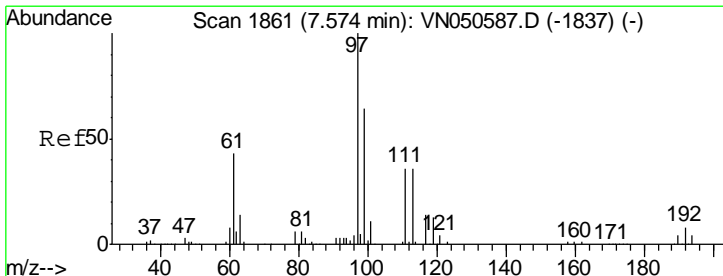
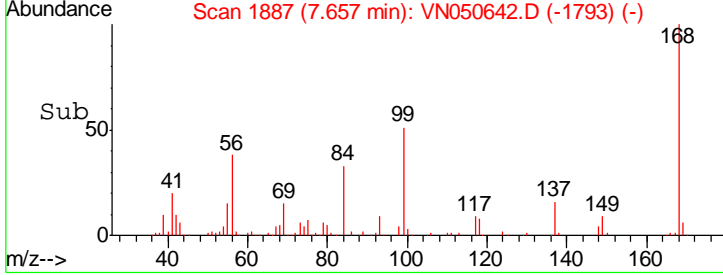
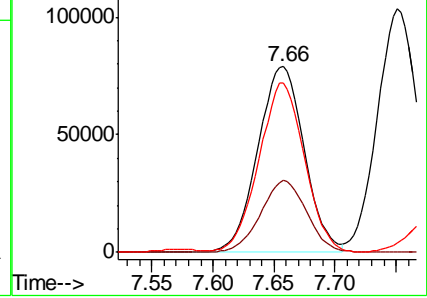
Tgt Ion	Resp	Lower	Upper
56	100		
69	38.8	25.8	38.6#
84	89.8	67.8	101.6

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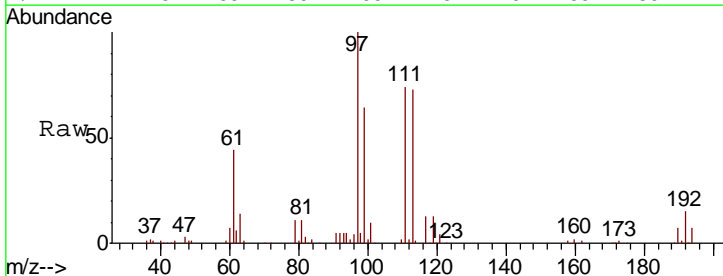


Abundance Ion 56.00 (55.70 to 56.70): VNC
 Ion 69.00 (68.70 to 69.70): VNC
 Ion 84.00 (83.70 to 84.70): VNC

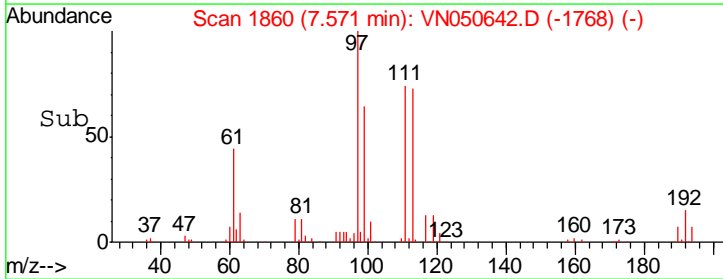
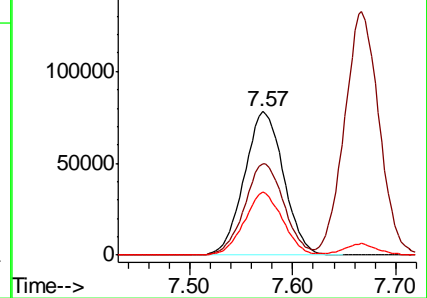


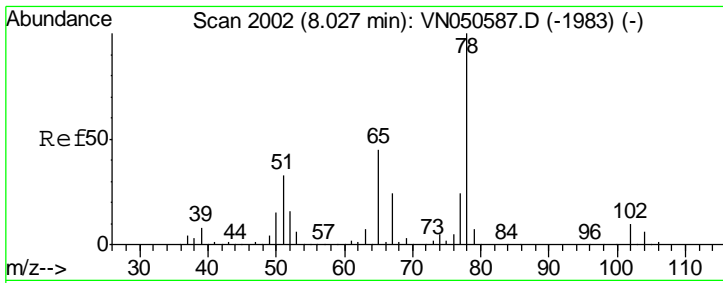
#32
 1,1,1-Trichloroethane
 Concen: 17.70 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.7	51.1	76.7
61	42.5	34.8	52.2



Abundance Ion 96.90 (96.60 to 97.60): VNC
 Ion 98.90 (98.60 to 99.60): VNC
 Ion 60.90 (60.60 to 61.60): VNC



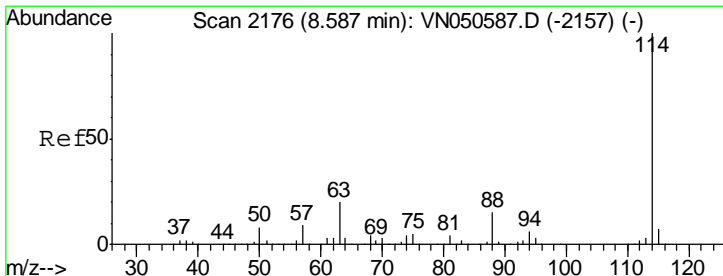
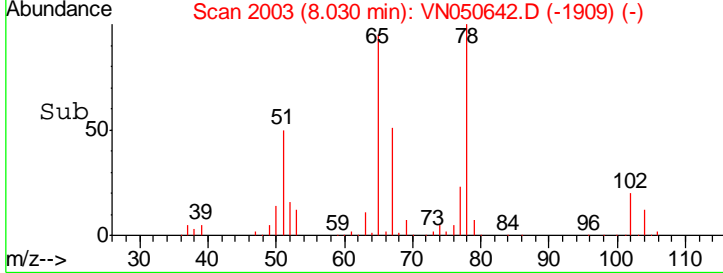
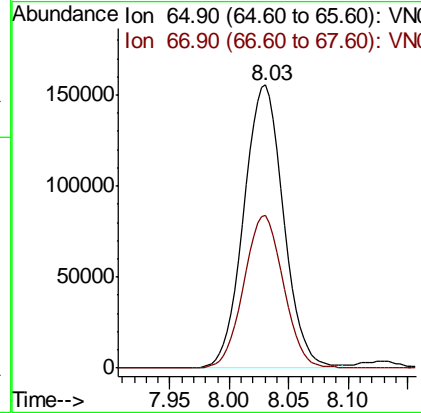
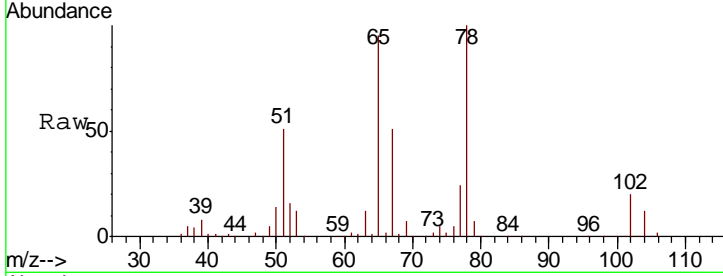


#33
 1,2-Dichloroethane-d4
 Concen: 46.76 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

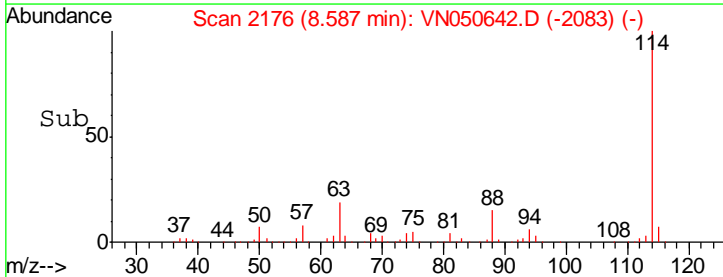
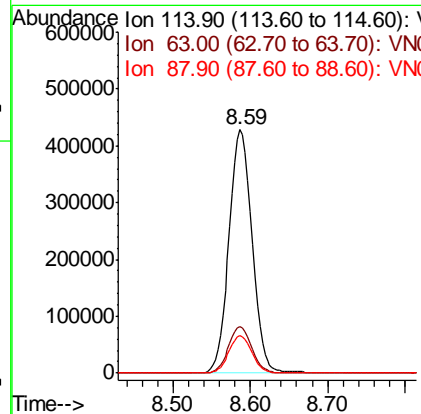
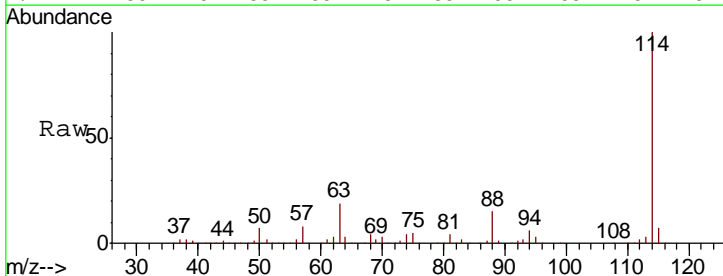
Tgt Ion: 65 Resp: 360663
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.8

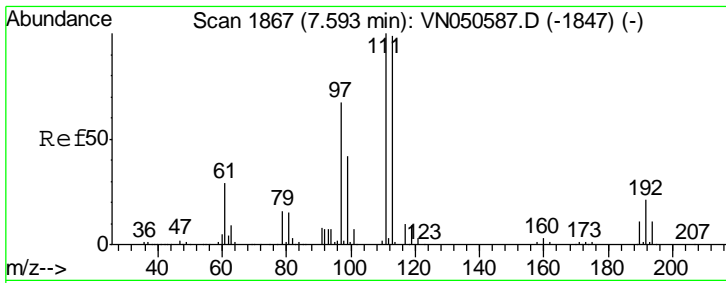
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

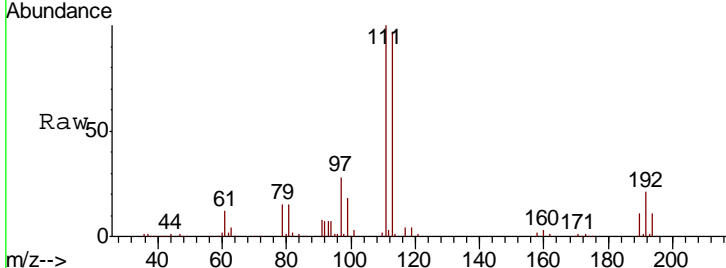
Tgt Ion: 114 Resp: 888137
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 15.2 0.0 30.8





#35
 Dibromofluoromethane
 Concen: 47.48 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

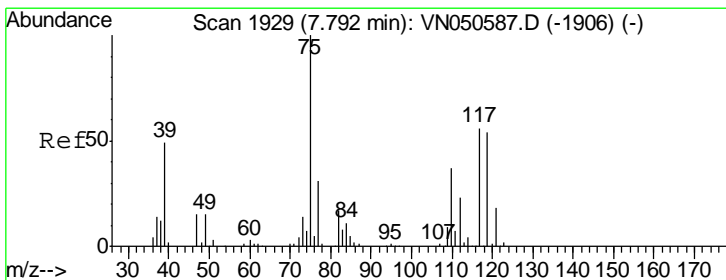
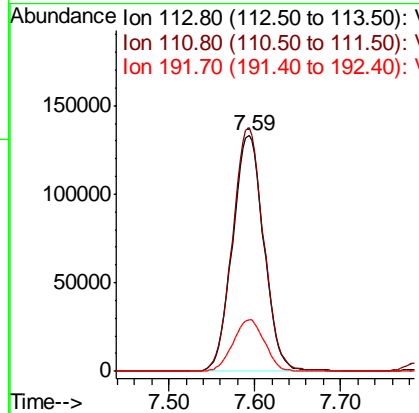
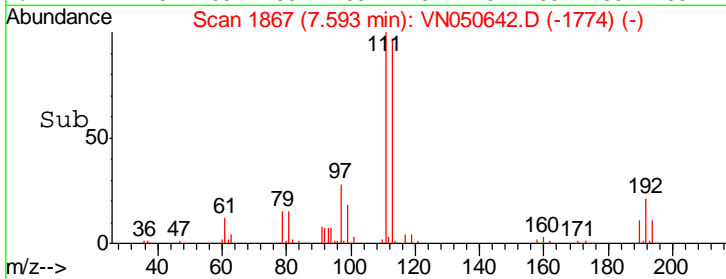
Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01



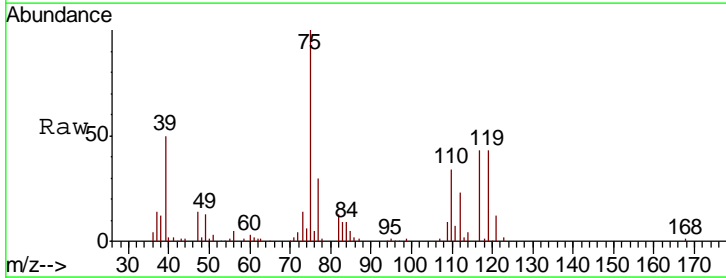
Tgt Ion: 113 Resp: 336658

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.0	121.6
192	22.1	17.6	26.4

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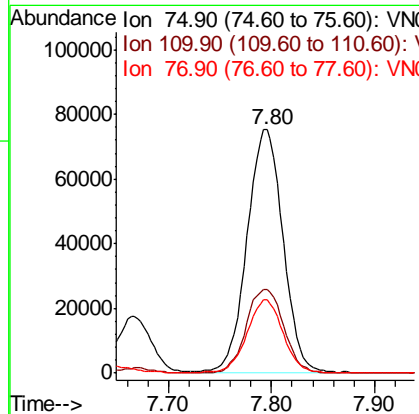
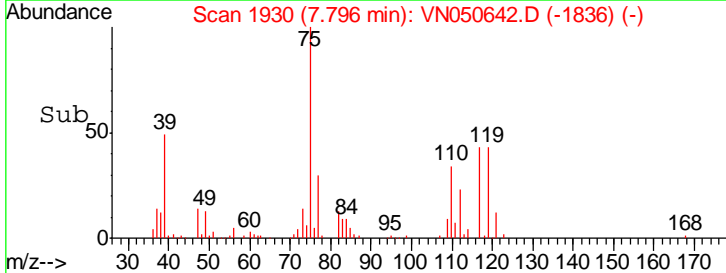


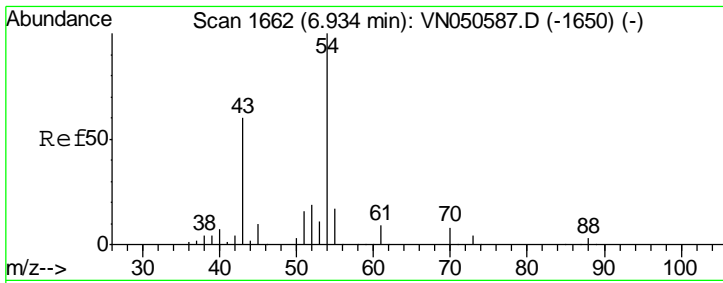
#36
 1,1-Dichloropropene
 Concen: 18.31 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52



Tgt Ion: 75 Resp: 180983

Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.3	54.9
77	30.6	25.0	37.4





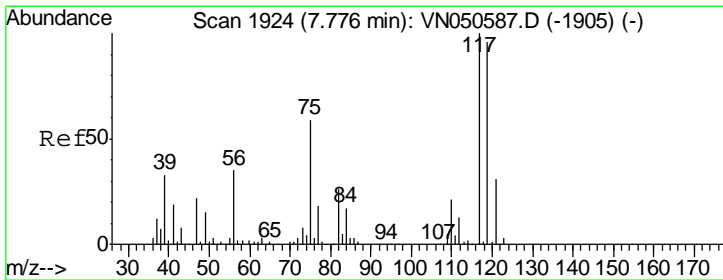
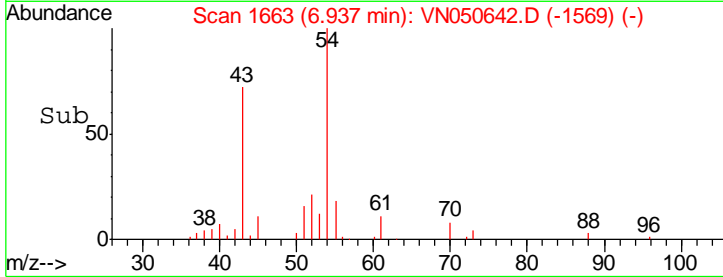
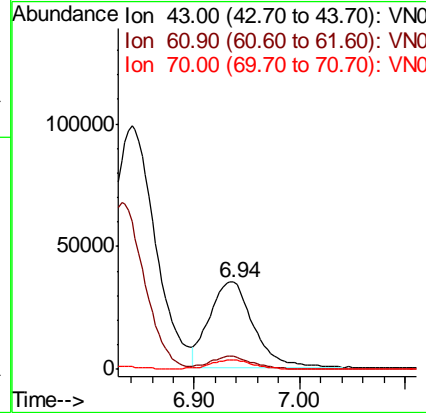
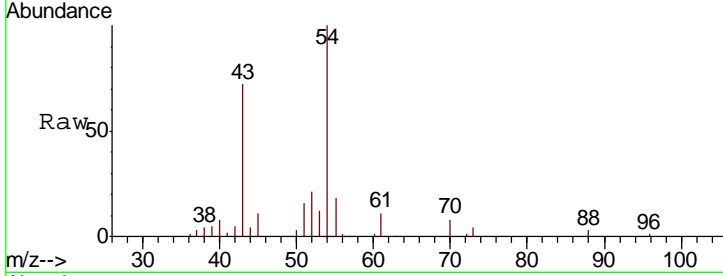
#37
 Ethyl Acetate
 Concen: 18.25 ug/l
 RT: 6.94 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
43	101999		
43	100		
61	13.4	12.0	18.0
70	10.9	8.5	12.7

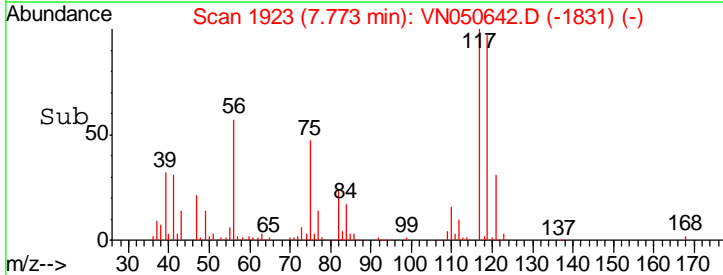
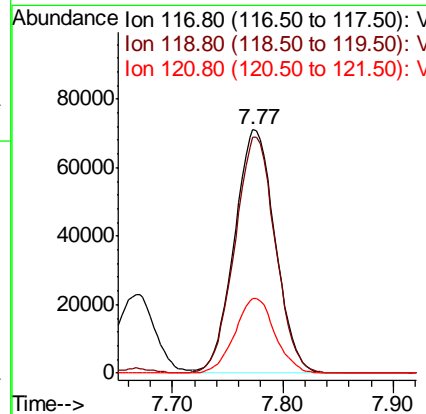
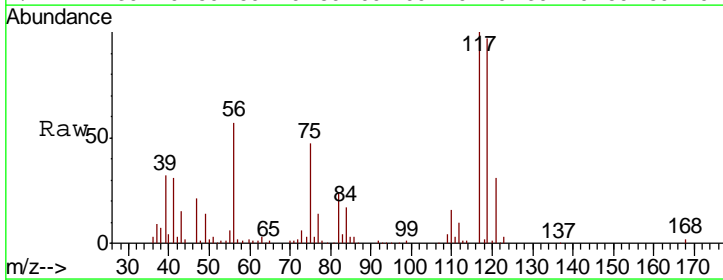
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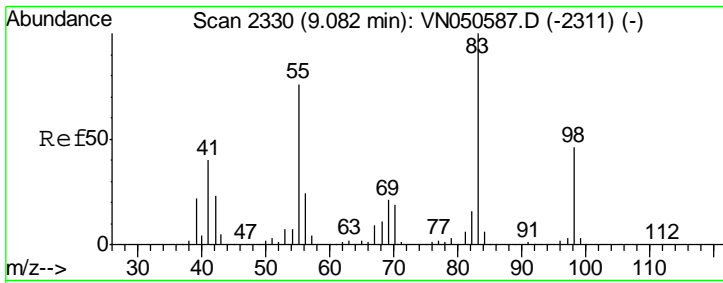
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#38
 Carbon Tetrachloride
 Concen: 17.77 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
117	182238		
117	100		
119	96.6	76.6	115.0
121	30.6	25.0	37.6



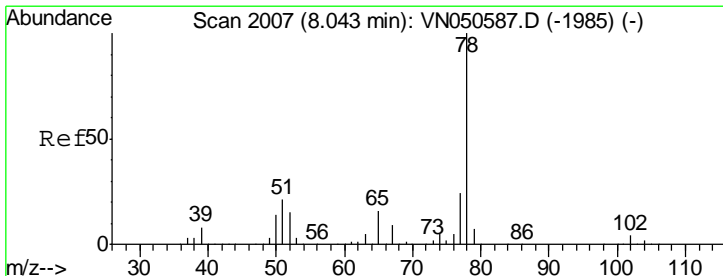
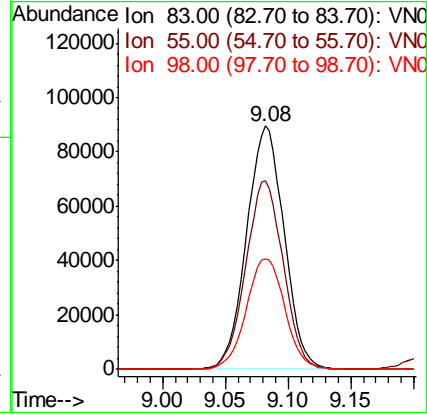
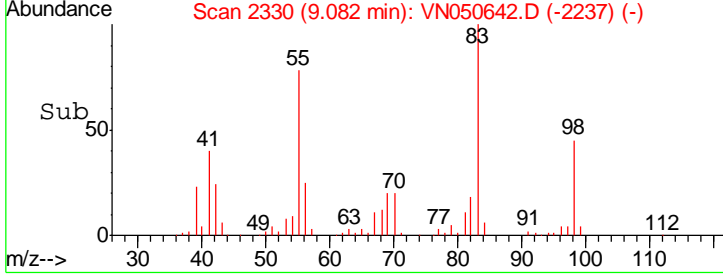
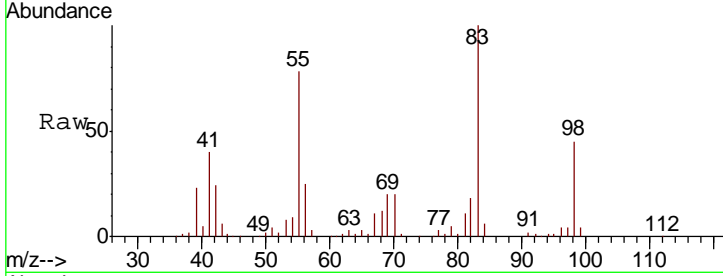


#39
 Methylcyclohexane
 Concen: 18.22 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

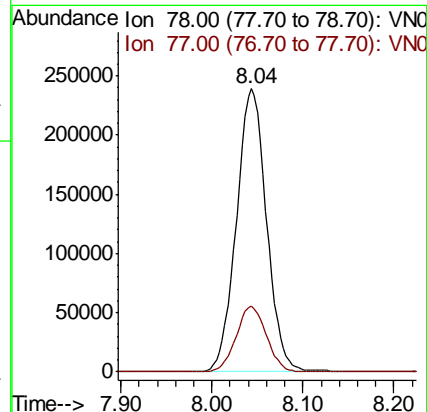
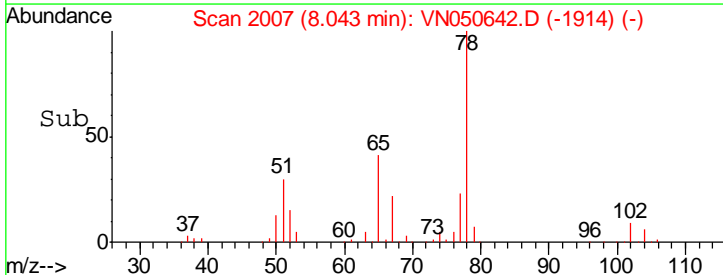
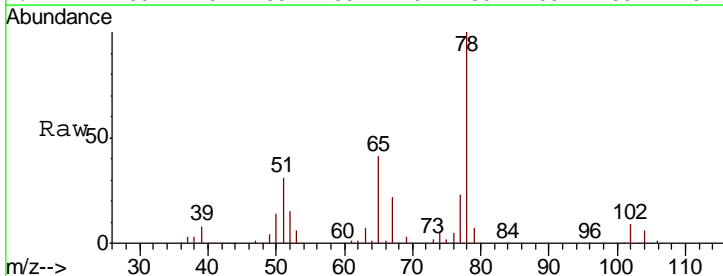
Tgt Ion	Resp	Lower	Upper
83	186506		
55	77.6	60.6	91.0
98	45.4	37.0	55.4

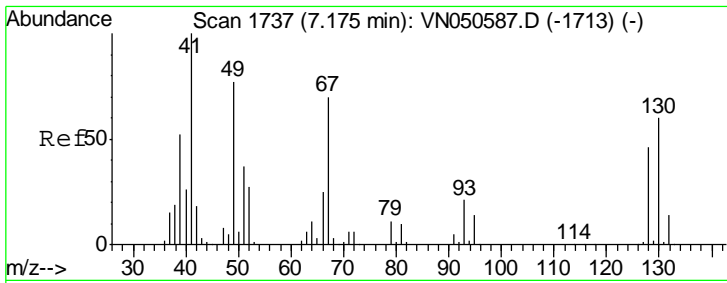
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#40
 Benzene
 Concen: 18.31 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
78	550623		
77	23.2	19.0	28.6



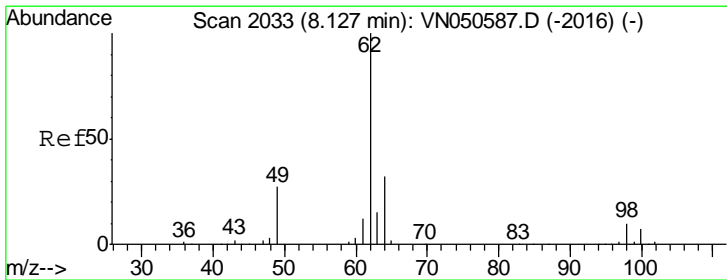
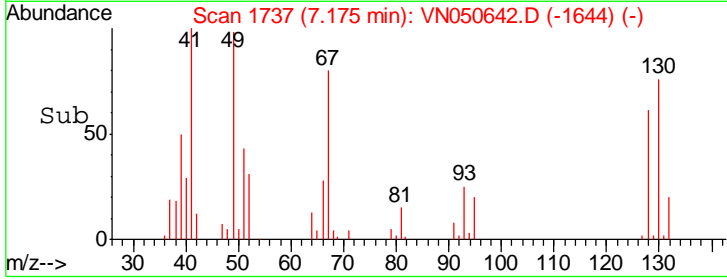
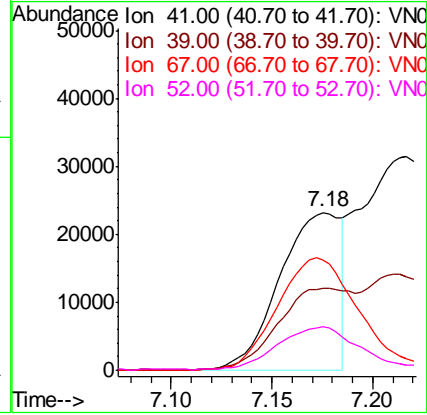
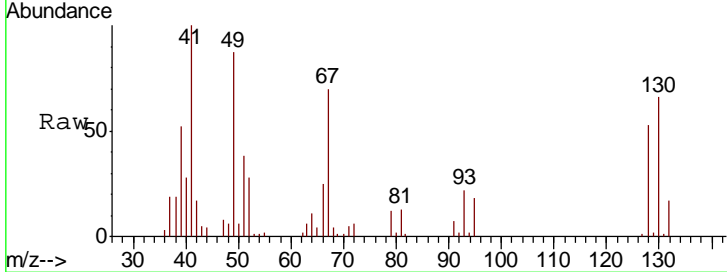


#41
 Methacrylonitrile
 Concen: 16.26 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
41	100		
39	62.6	44.6	66.8
67	95.8	66.7	100.1
52	37.9	26.5	39.7

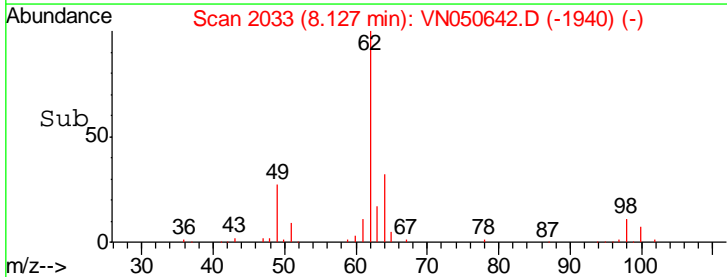
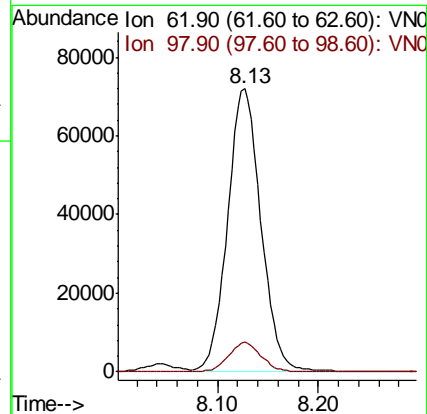
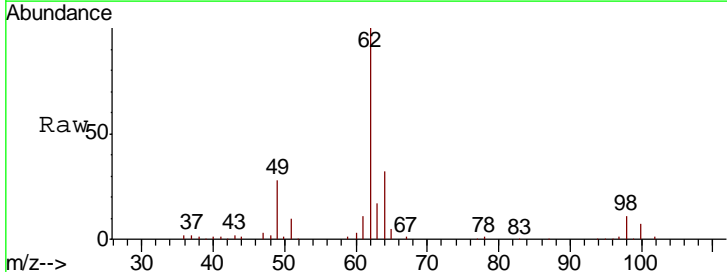
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

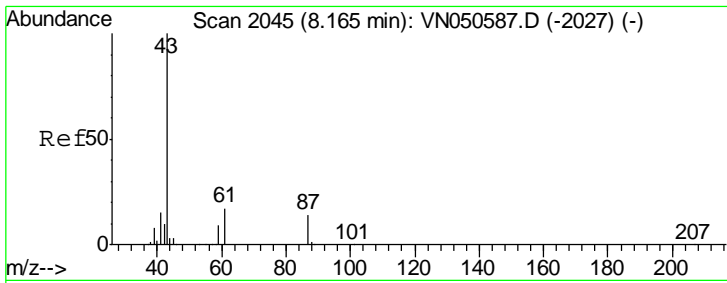
Manual Integrations
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#42
 1,2-Dichloroethane
 Concen: 17.86 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.2	0.0	19.4



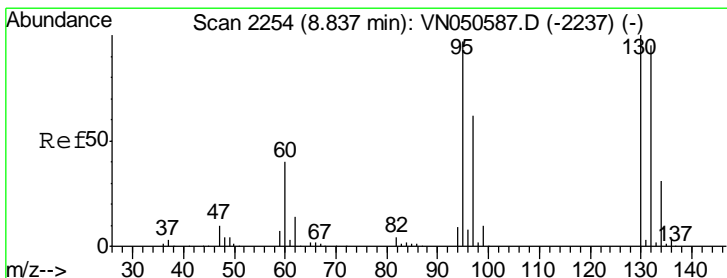
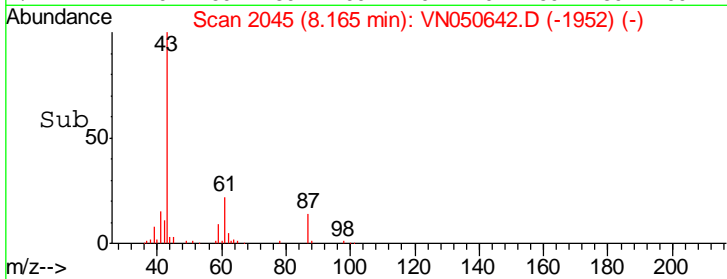
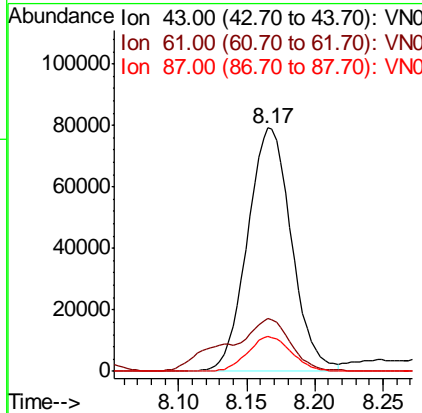
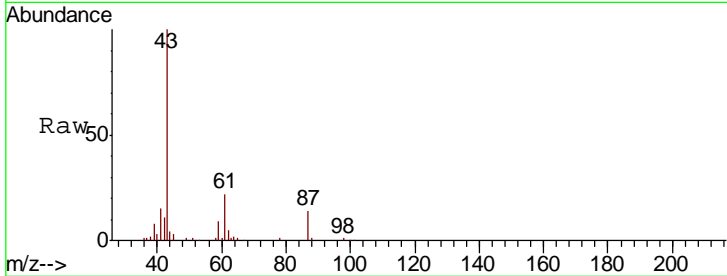


#43
 Isopropyl Acetate
 Concen: 17.27 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

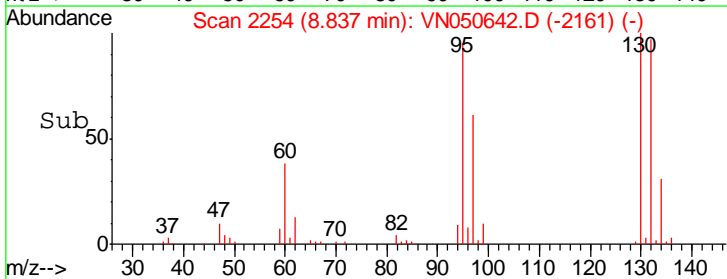
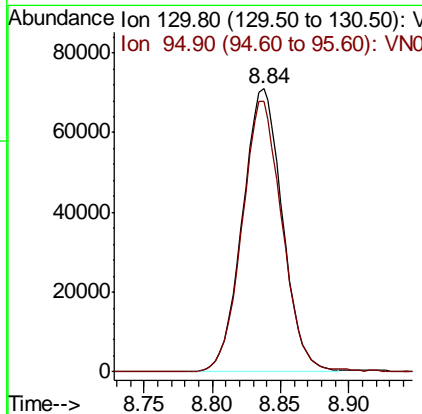
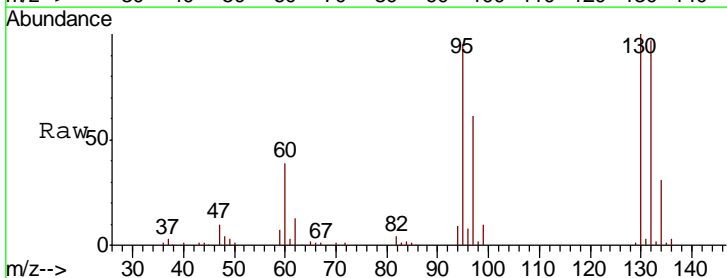
Tgt Ion	Resp	Lower	Upper
43	175845		
61	20.5	16.2	24.2
87	14.4	10.9	16.3

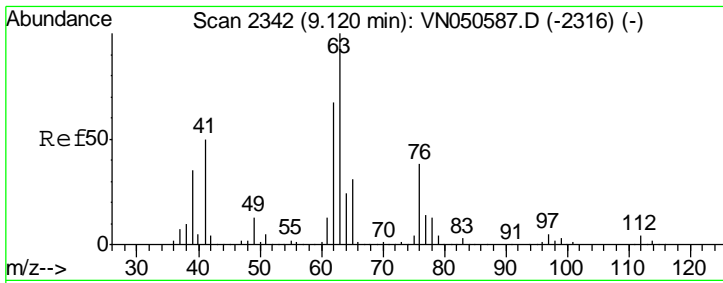
Manual Integrations
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#44
 Trichloroethene
 Concen: 17.92 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
130	144401		
95	95.4	0.0	193.8





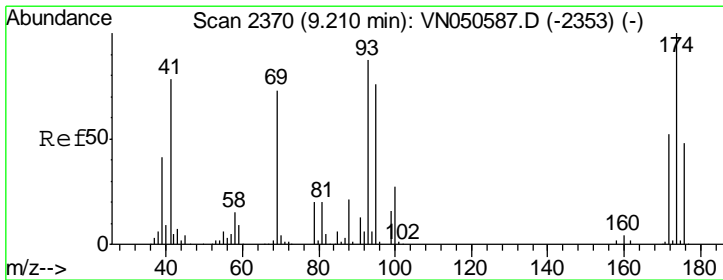
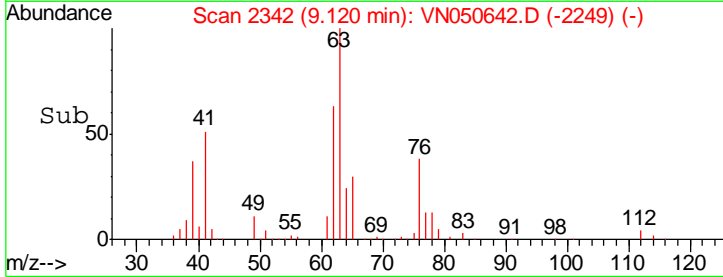
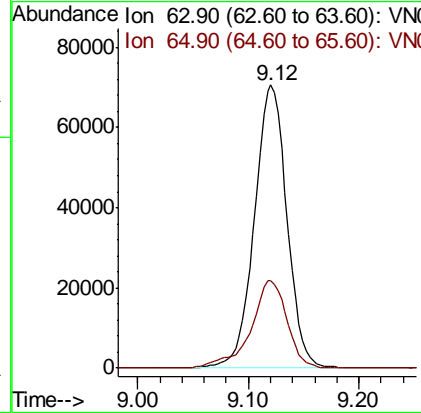
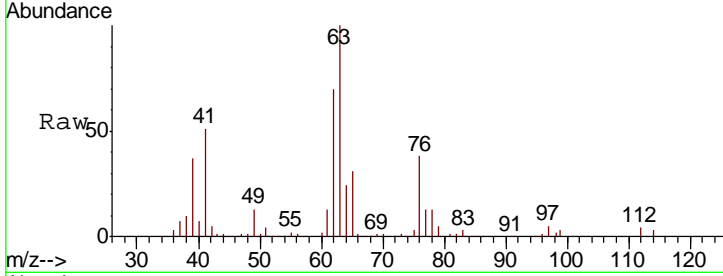
#45
 1,2-Dichloropropane
 Concen: 18.03 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

Tgt Ion	Resp	Lower	Upper
63	144370		
65	30.8	24.5	36.7

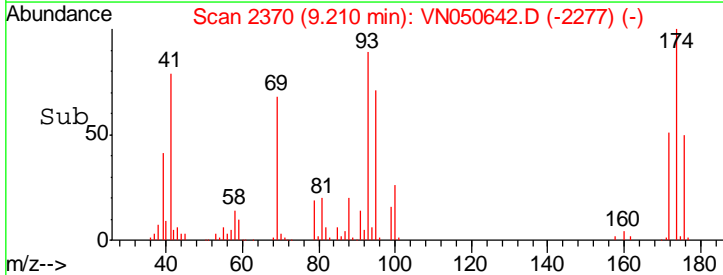
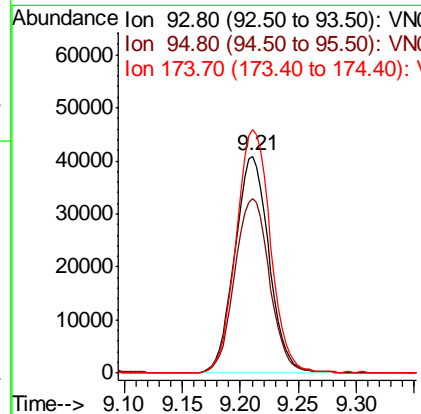
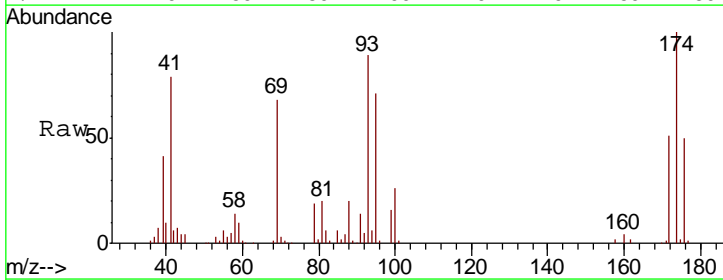
Manual Integrations
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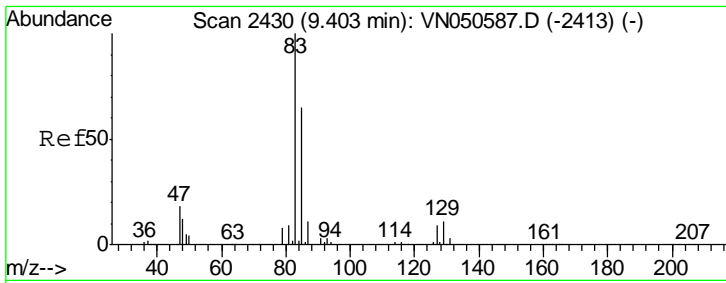
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#46
 Dibromomethane
 Concen: 17.70 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
93	83695		
95	82.1	69.1	103.7
174	112.9	91.0	136.6



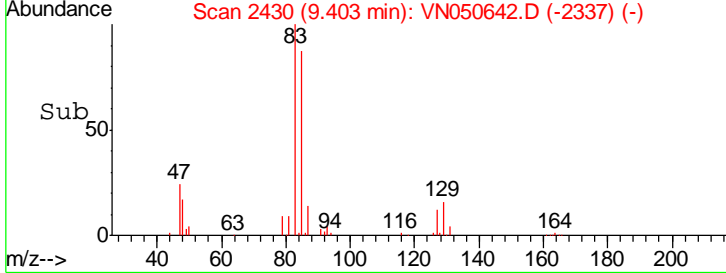
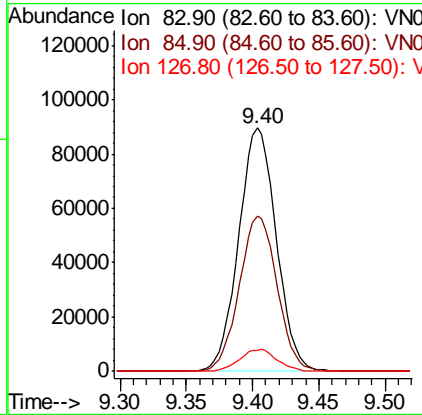
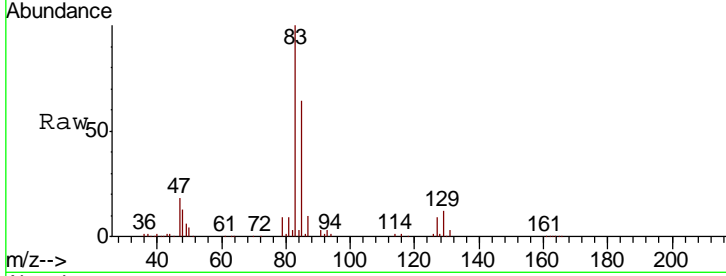


#47
 Bromodichloromethane
 Concen: 17.50 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

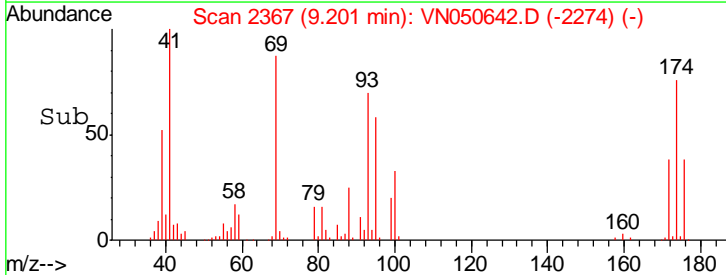
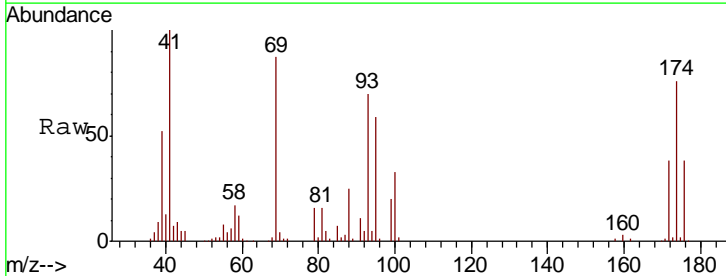
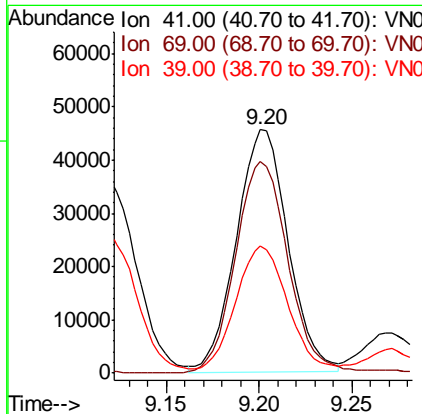
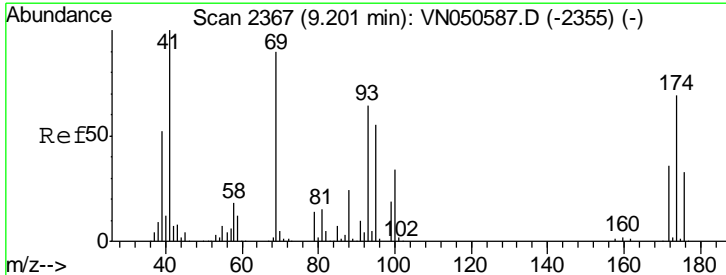
Tgt Ion	Resp	Lower	Upper
83	176865		
85	63.7	51.8	77.6
127	8.8	7.2	10.8

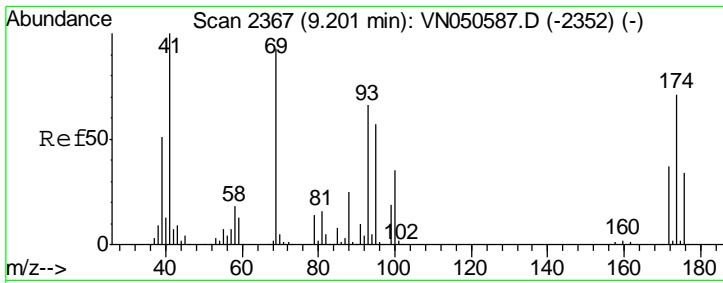
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#48
 Methyl methacrylate
 Concen: 17.29 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
41	88596		
69	89.0	73.4	110.0
39	52.9	43.0	64.6





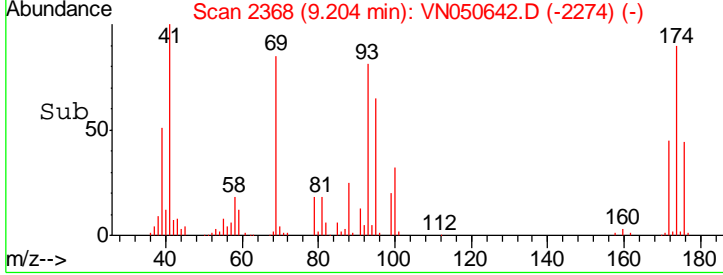
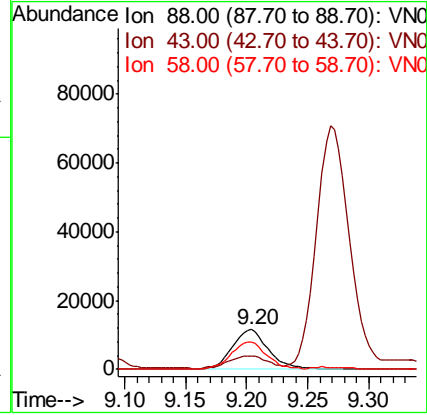
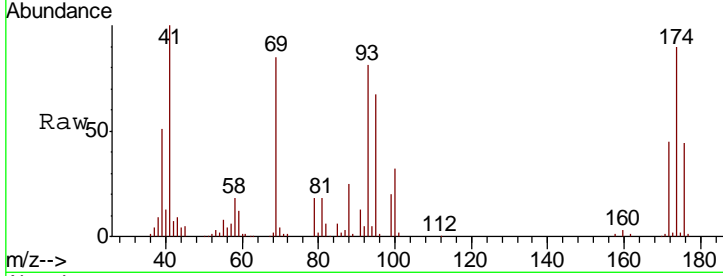
#49
 1,4-Dioxane
 Concen: 355.26 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
88	100		
43	33.0	25.9	38.9
58	67.4	56.5	84.7

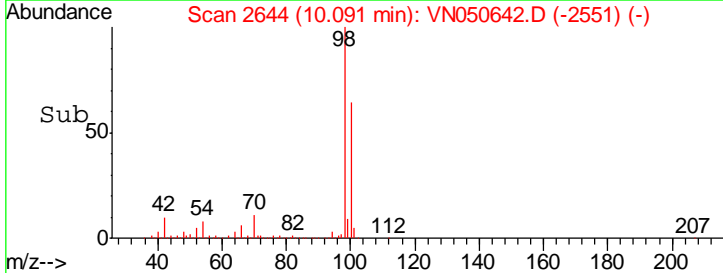
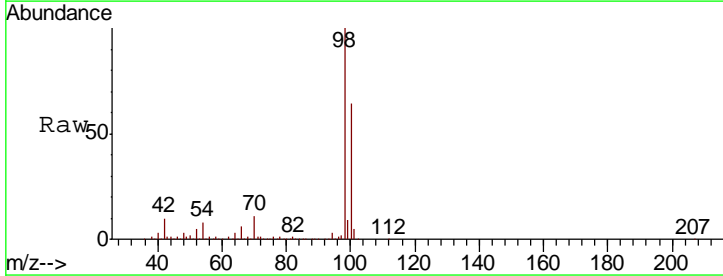
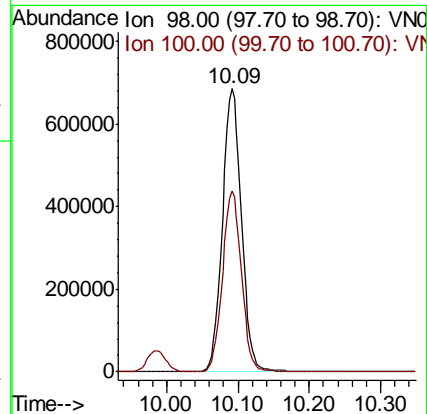
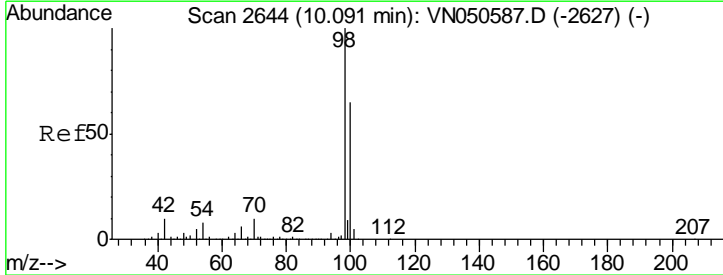
Manual Integrations
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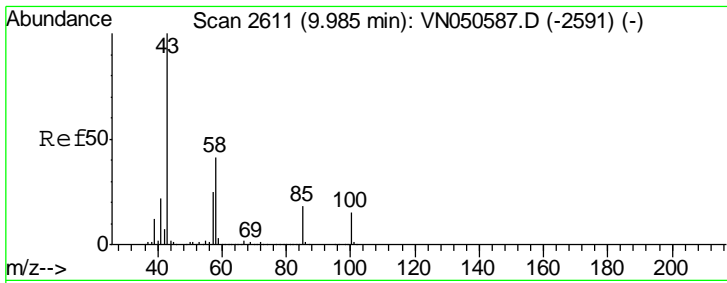
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#50
 Toluene-d8
 Concen: 47.48 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

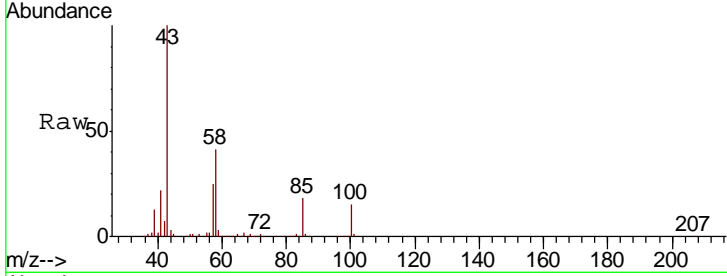
Tgt Ion	Resp	Lower	Upper
98	100		
100	63.7	51.8	77.8





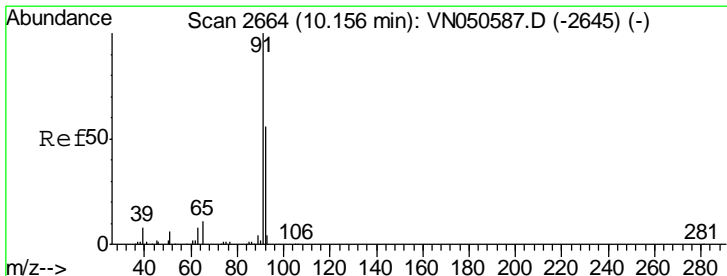
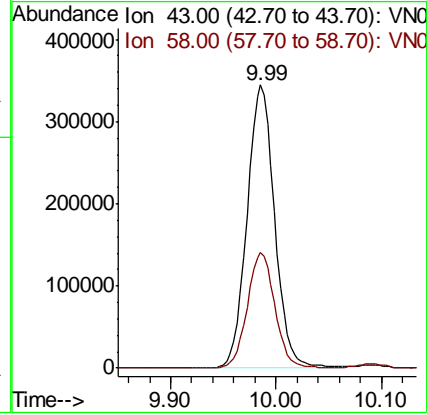
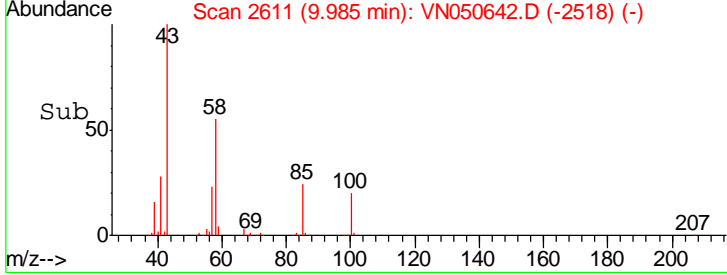
#51
 4-Methyl-2-Pentanone
 Concen: 90.91 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

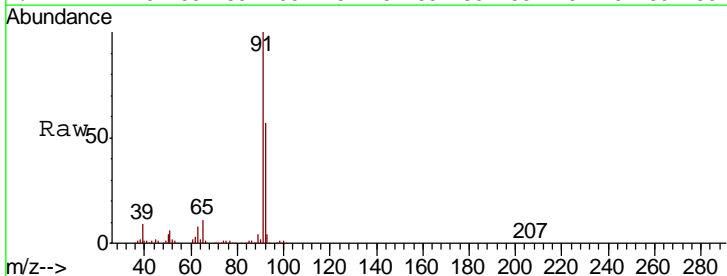


Tgt Ion: 43 Resp: 626181
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.5 48.7

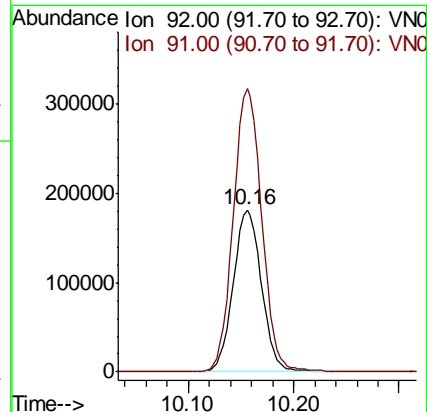
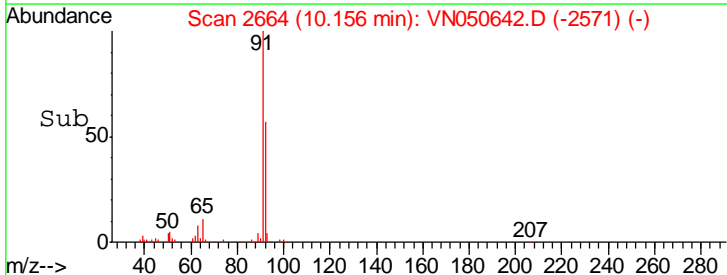
Manual Integrations
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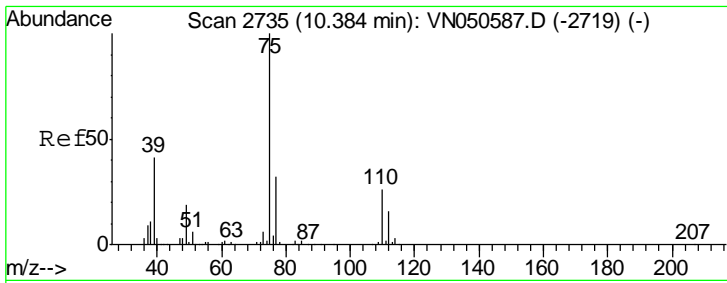


#52
 Toluene
 Concen: 18.72 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52



Tgt Ion: 92 Resp: 336123
 Ion Ratio Lower Upper
 92 100
 91 176.7 141.9 212.9



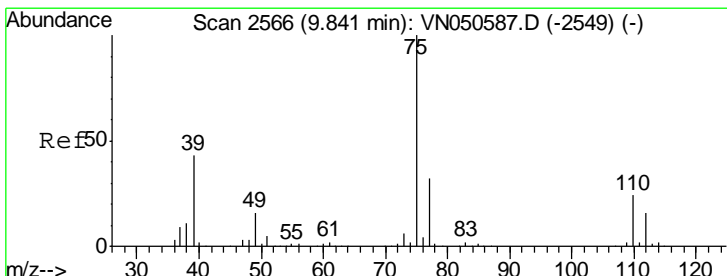
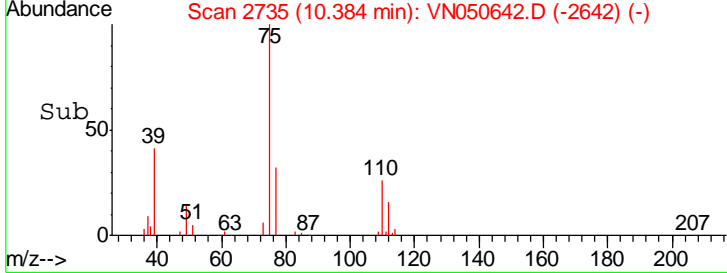
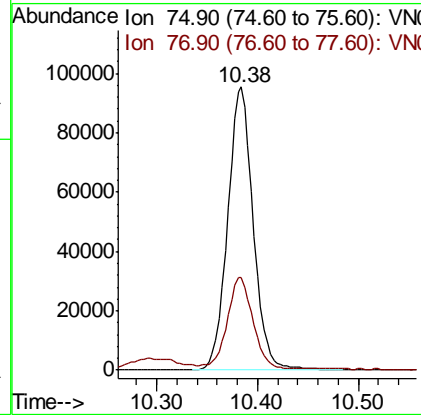
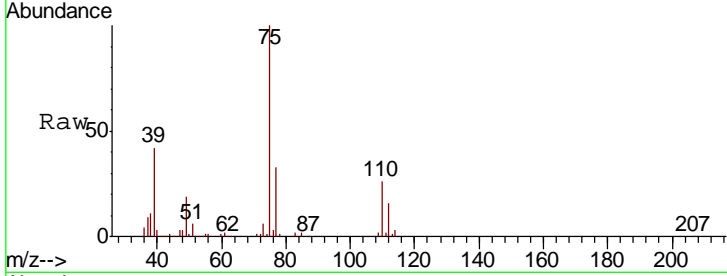


#53
 t-1,3-Dichloropropene
 Concen: 17.92 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

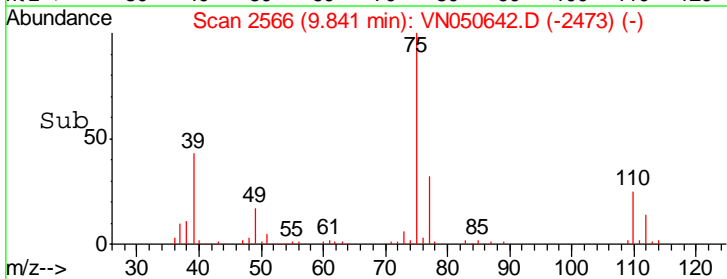
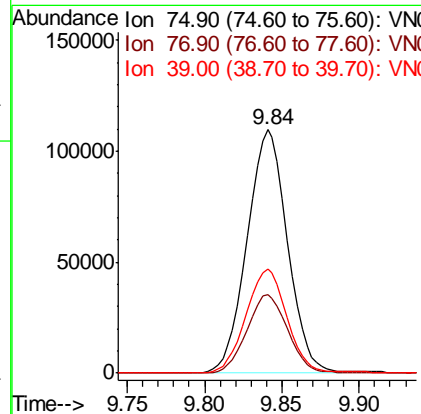
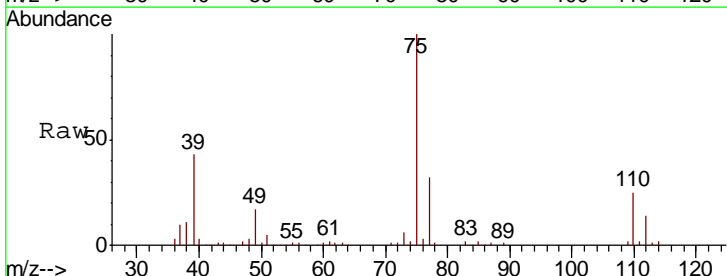
Tgt Ion	Resp	Lower	Upper
75	168682		
75	100		
77	32.0	25.8	38.6

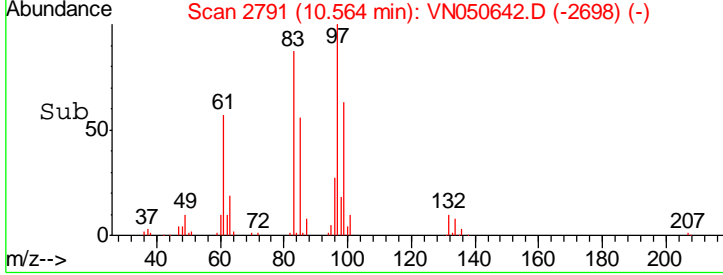
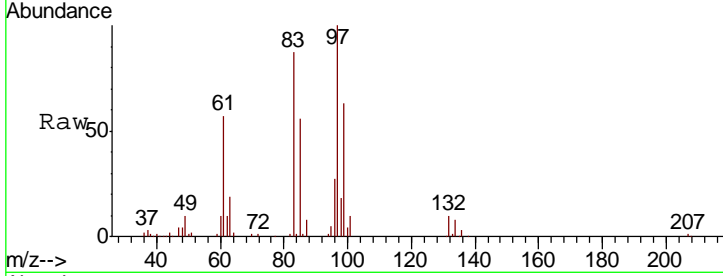
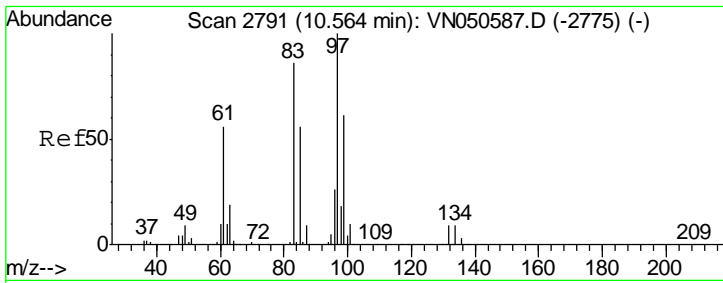
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#54
 cis-1,3-Dichloropropene
 Concen: 18.43 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
75	199062		
75	100		
77	32.4	25.6	38.4
39	42.6	34.4	51.6



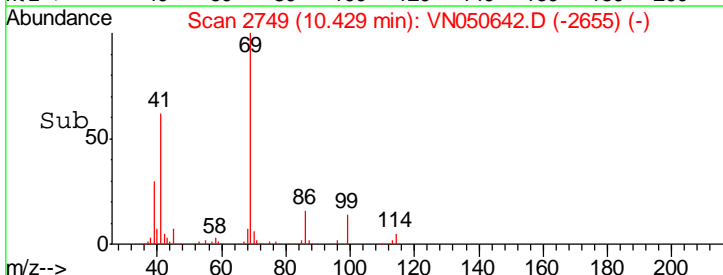
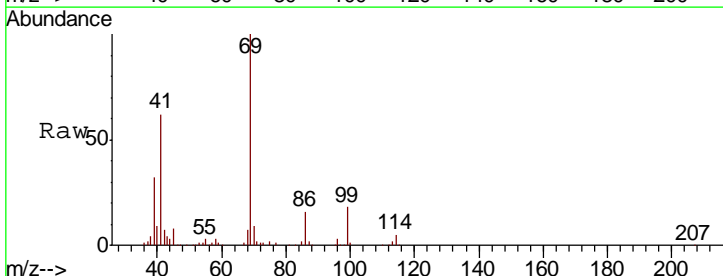
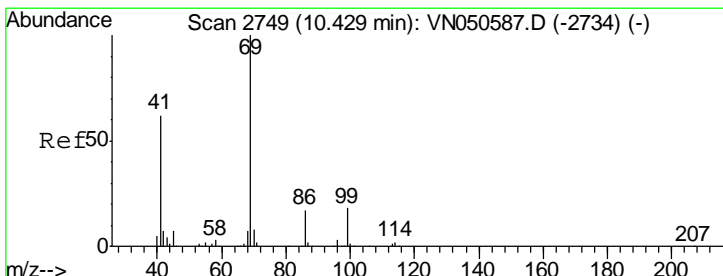
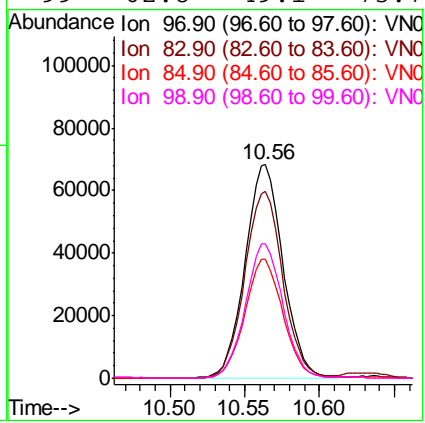


#55
 1,1,2-Trichloroethane
 Concen: 17.97 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
97	120558		
97	100		
83	87.4	68.5	102.7
85	55.5	44.6	66.8
99	62.8	49.1	73.7

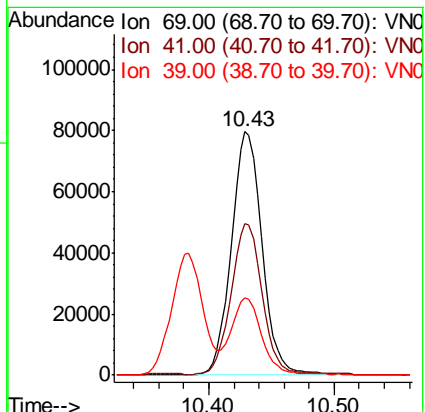
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

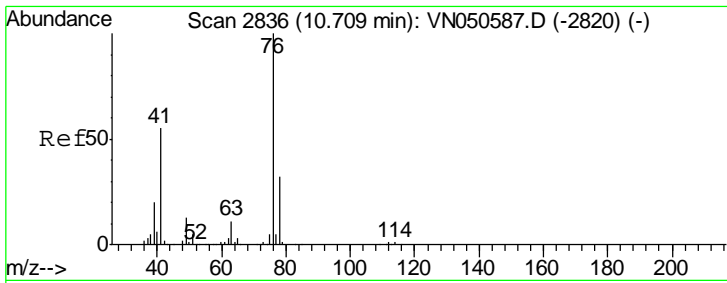
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 17.17 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
69	135824		
69	100		
41	62.9	49.7	74.5
39	30.9	24.2	36.2



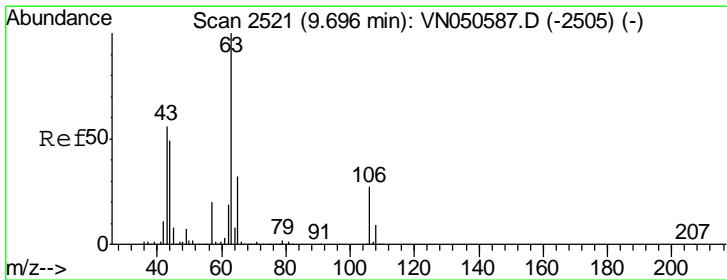
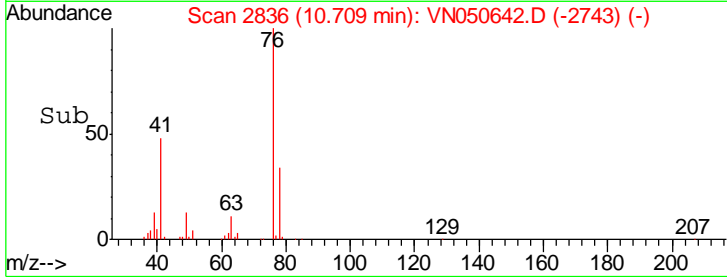
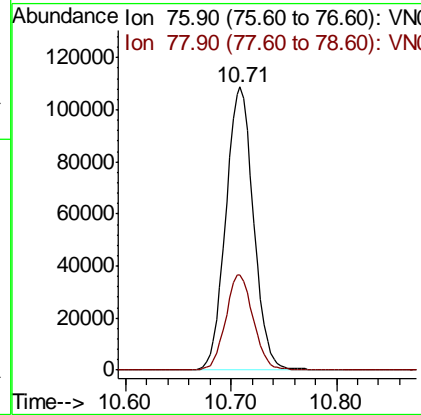
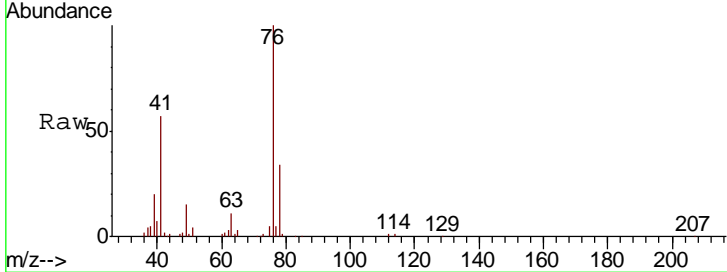


#57
 1,3-Dichloropropane
 Concen: 17.95 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

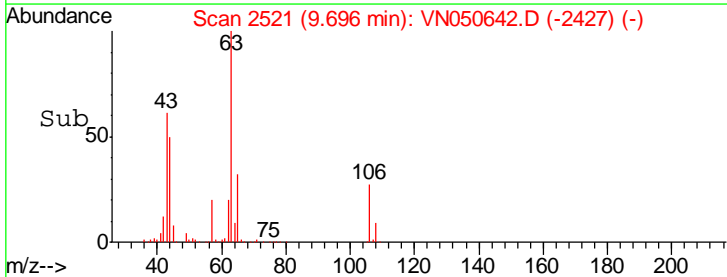
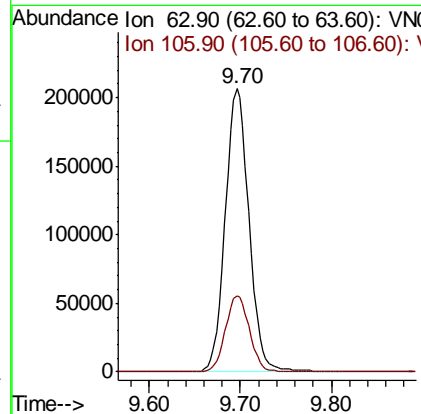
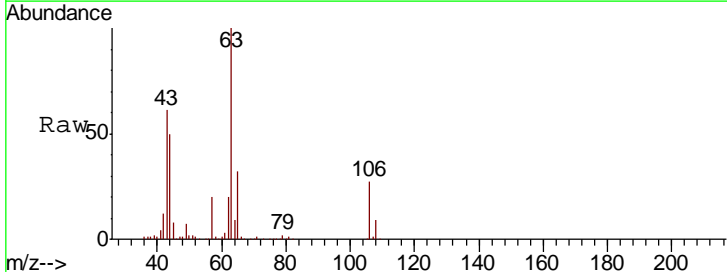
Tgt Ion	Resp	Lower	Upper
76	197401		
76	100		
78	33.5	25.8	38.6

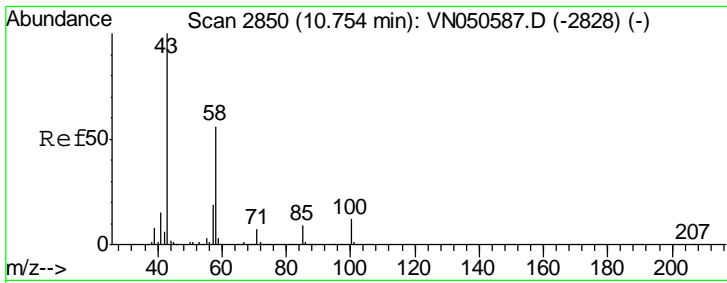
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.89 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
63	374164		
63	100		
106	27.3	21.7	32.5



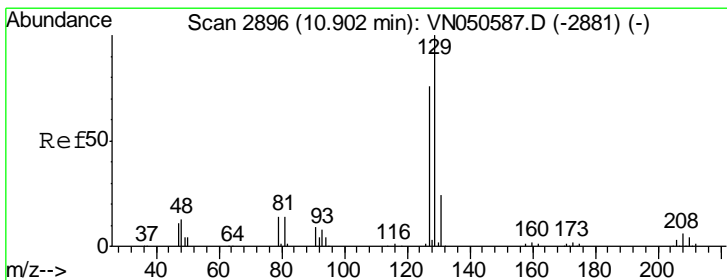
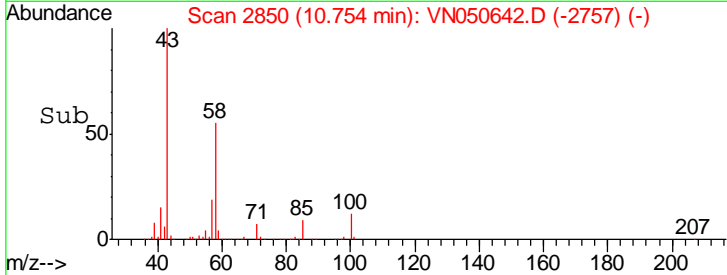
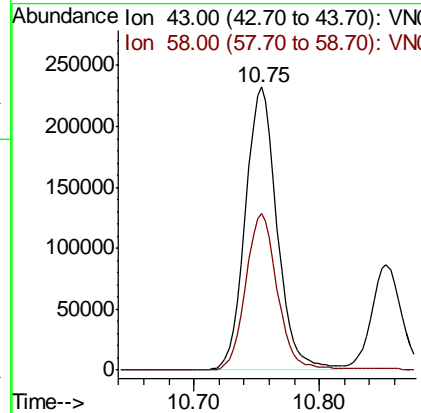
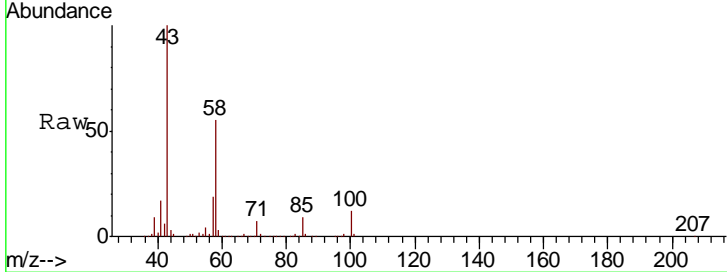


#59
 2-Hexanone
 Concen: 92.26 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

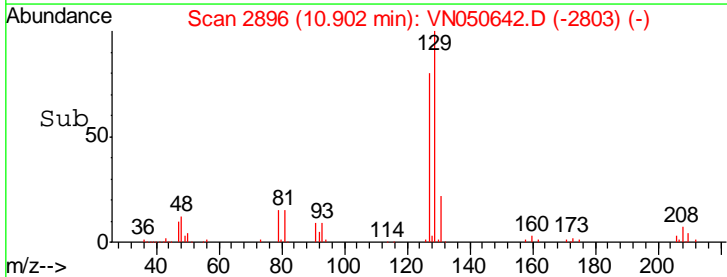
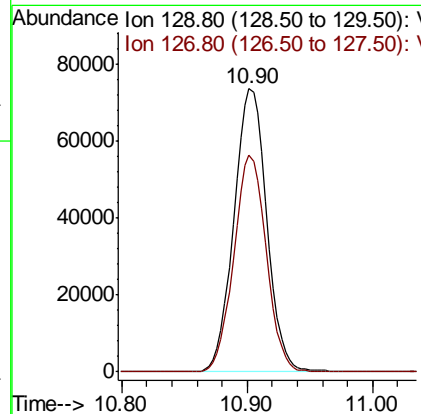
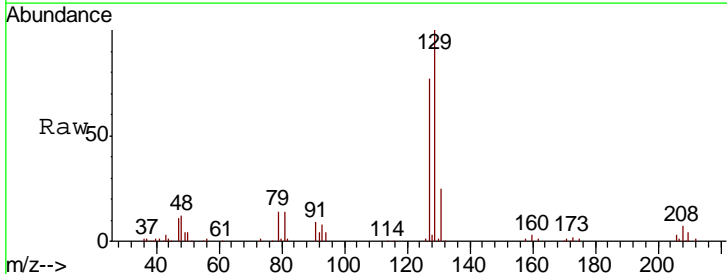
Tgt Ion	Resp	Lower	Upper
43	100		
58	55.1	28.0	84.0

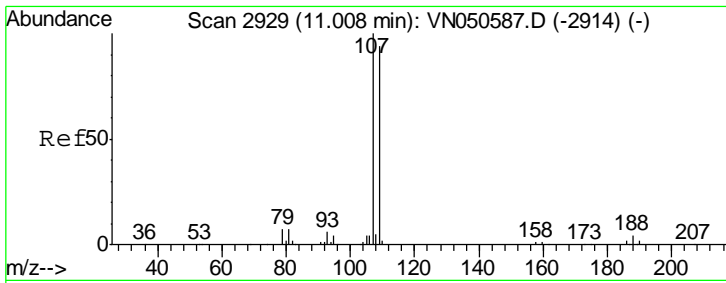
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#60
 Dibromochloromethane
 Concen: 18.07 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
129	100		
127	75.7	38.9	116.7



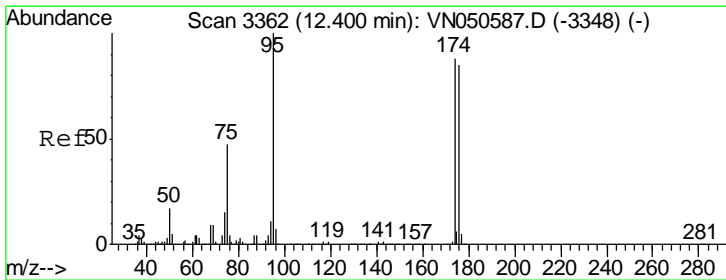
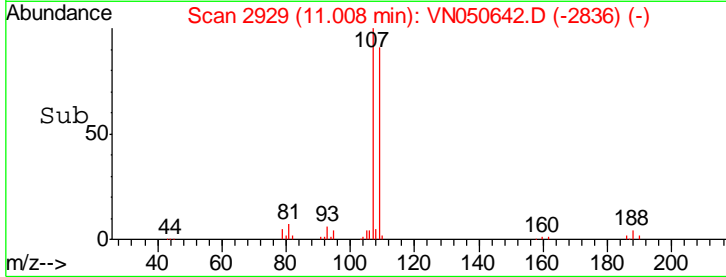
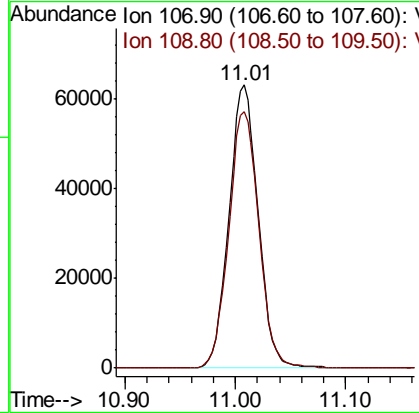
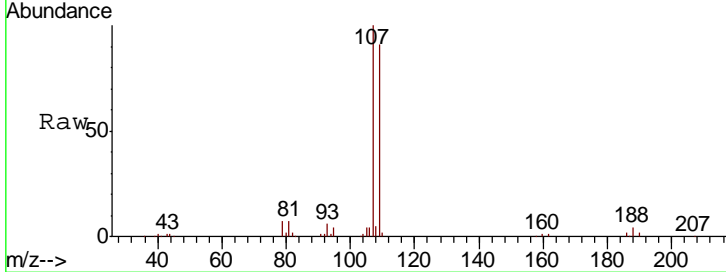


#61
 1,2-Dibromoethane
 Concen: 18.09 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

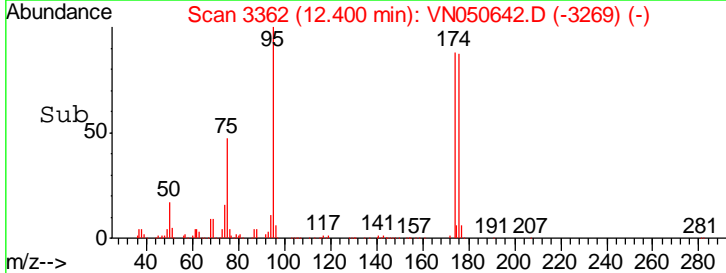
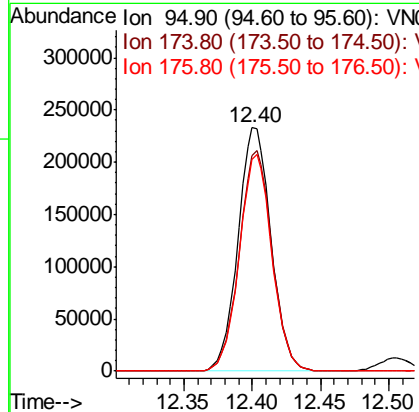
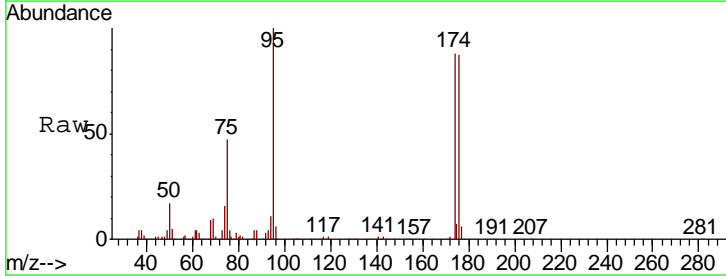
Tgt Ion	Resp	Lower	Upper
107	115607		
109	93.8	75.7	113.5

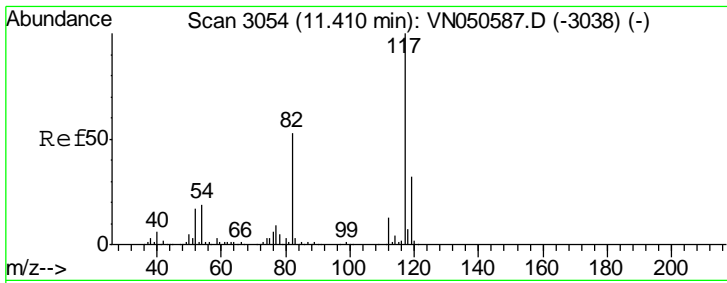
Manual Integrations
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 MMDadoda
 8/16/2018 1:18:28 PM



#62
 4-Bromofluorobenzene
 Concen: 44.26 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

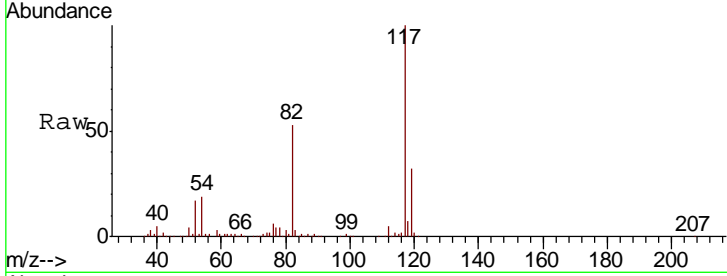
Tgt Ion	Resp	Lower	Upper
95	390206		
174	90.0	0.0	177.8
176	87.8	0.0	175.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

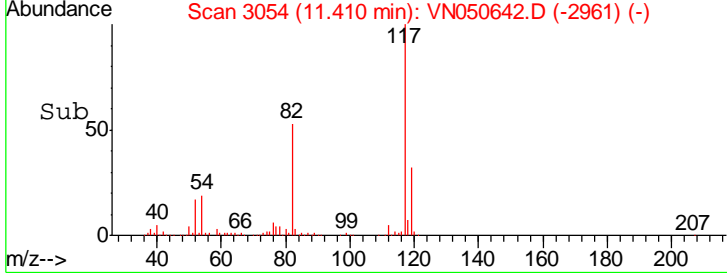
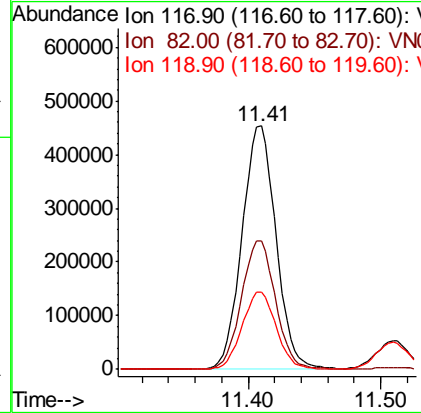
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01



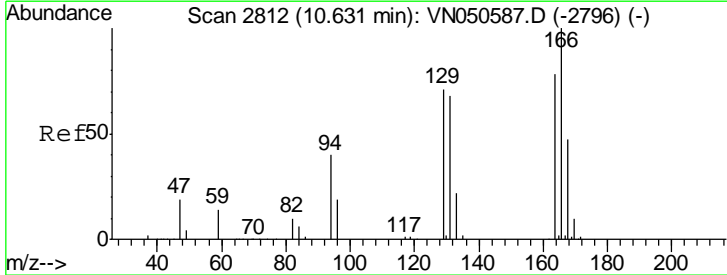
Tgt Ion: 117 Resp: 807676

Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.4	63.6
119	31.6	25.8	38.8

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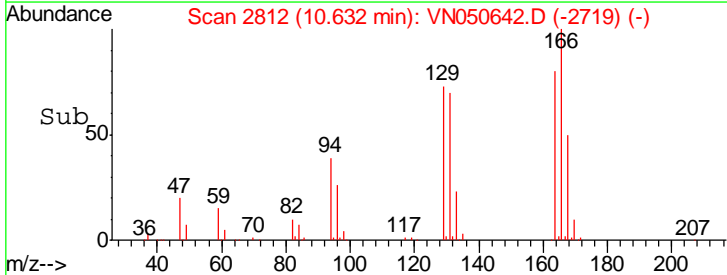
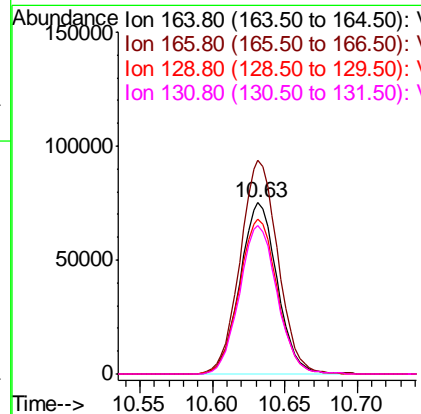


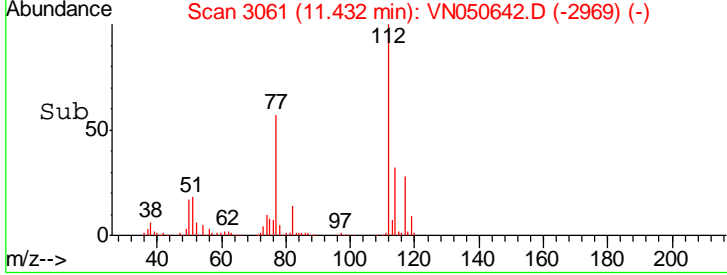
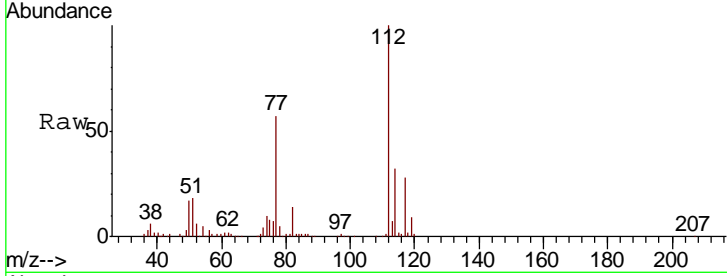
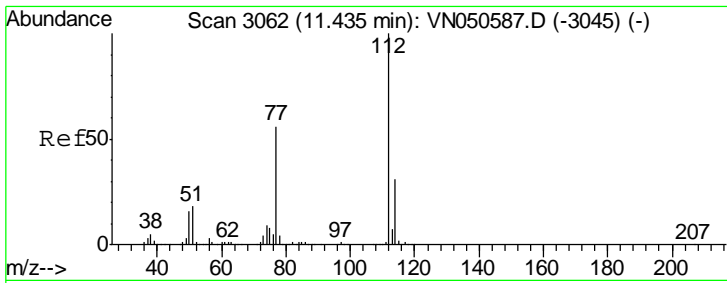
#64
 Tetrachloroethene
 Concen: 17.85 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52



Tgt Ion: 164 Resp: 133879

Ion	Ratio	Lower	Upper
164	100		
166	124.9	102.1	153.1
129	90.8	72.7	109.1
131	86.9	69.9	104.9



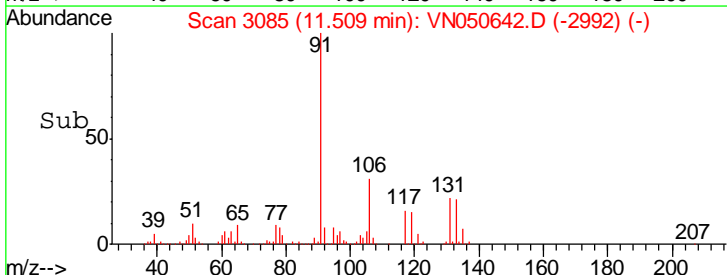
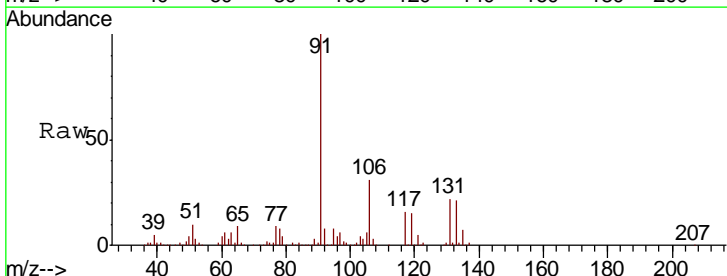
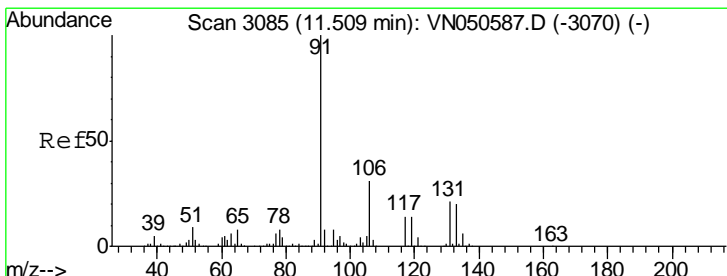
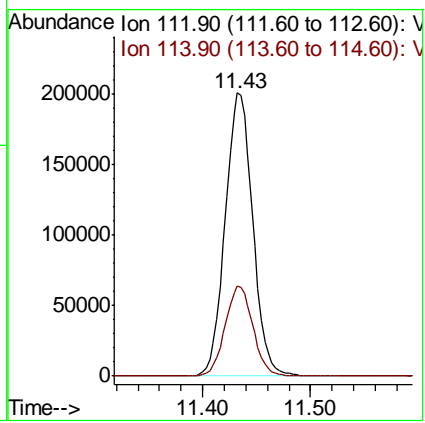


#65
 Chlorobenzene
 Concen: 17.81 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
112	358083		
114	31.9	25.2	37.8

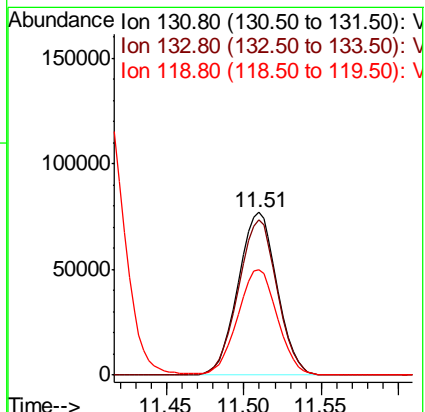
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

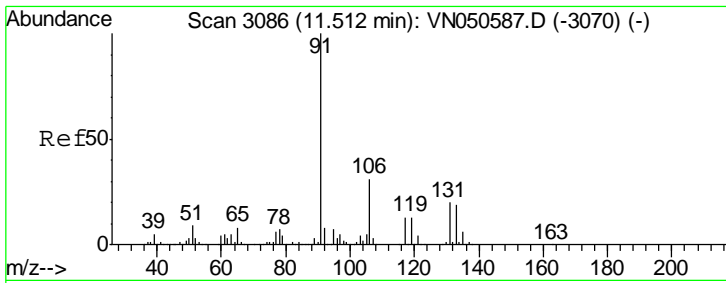
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 17.93 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
131	135082		
133	95.2	47.6	142.9
119	66.1	33.1	99.3





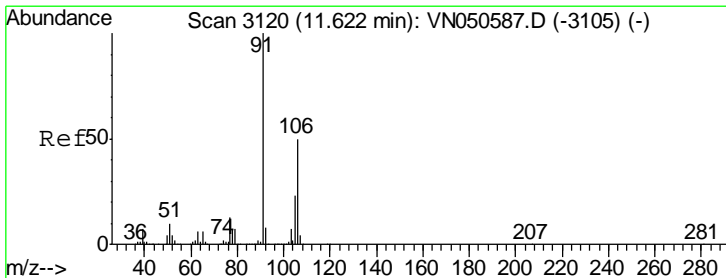
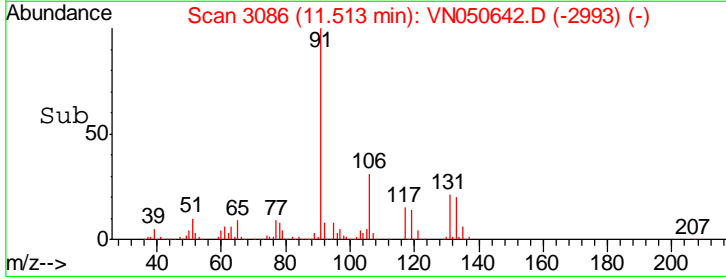
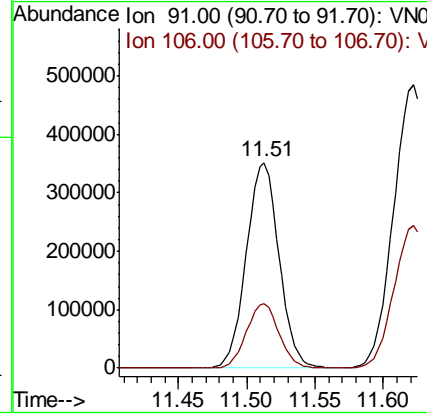
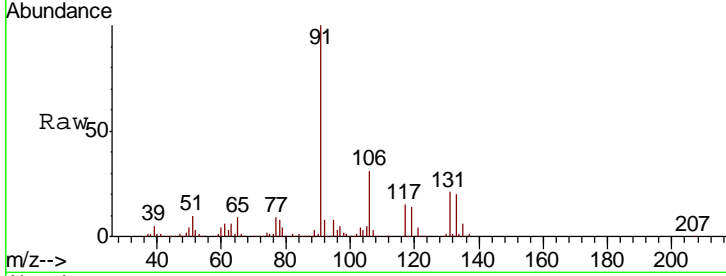
#67
Ethyl Benzene
Concen: 18.08 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
Client Sampled : VN0815WBS01

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.5	24.8	37.2

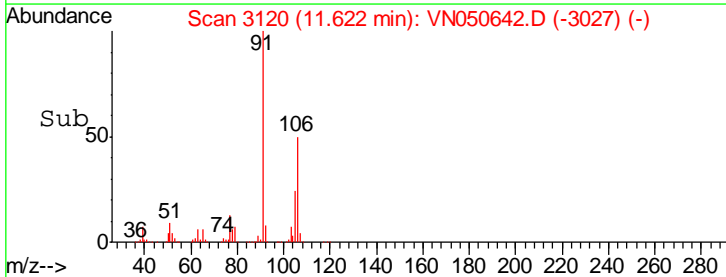
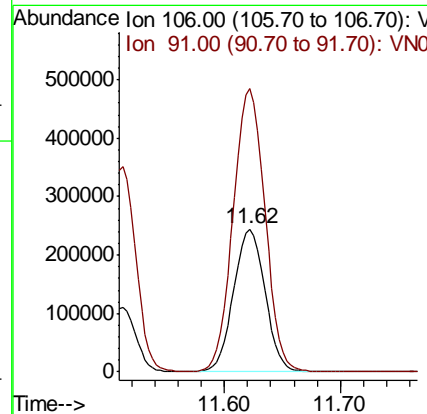
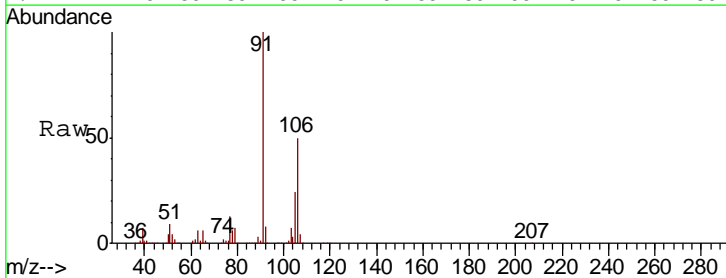
Manual Integrations
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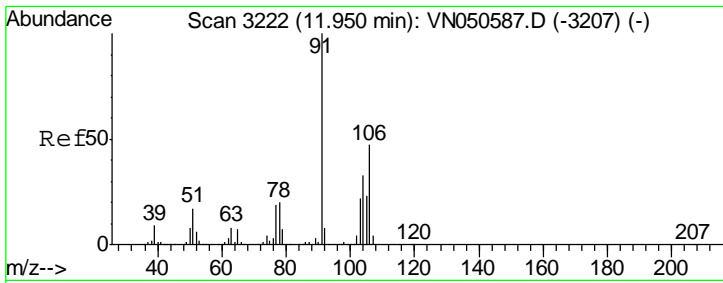
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#68
m/p-Xylenes
Concen: 37.12 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
106	100		
91	200.2	161.5	242.3



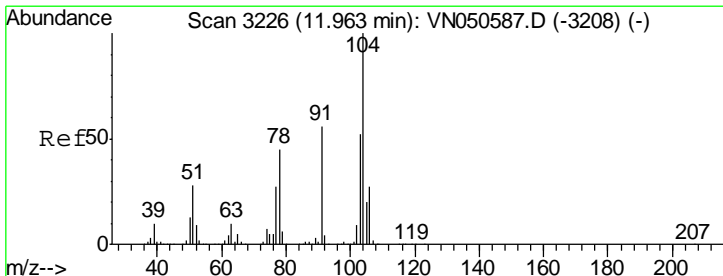
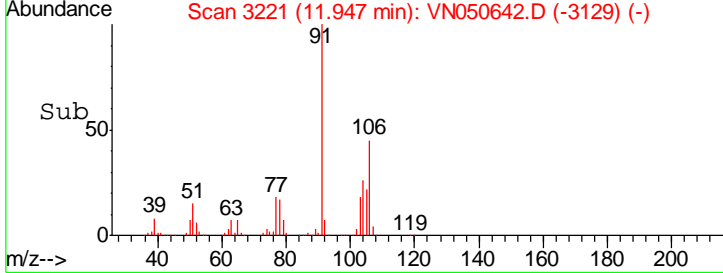
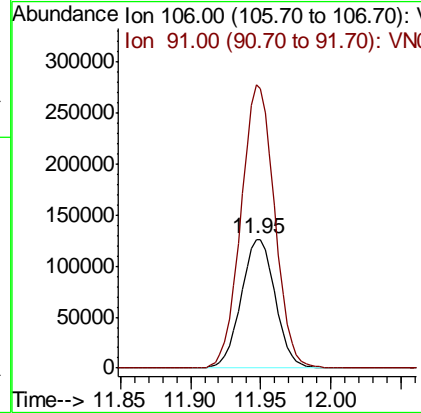
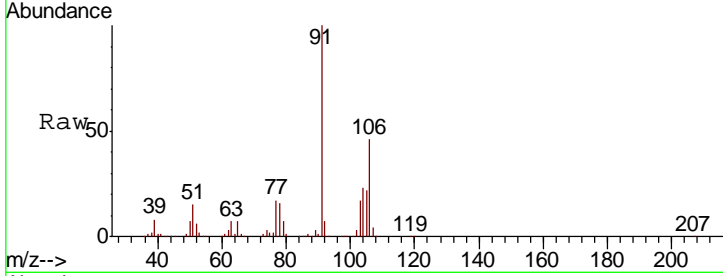


#69
 o-Xylene
 Concen: 18.07 ug/l
 RT: 11.95 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

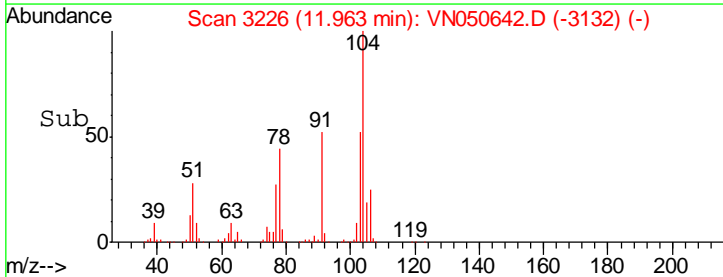
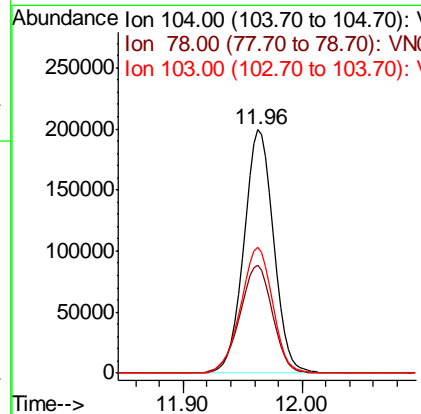
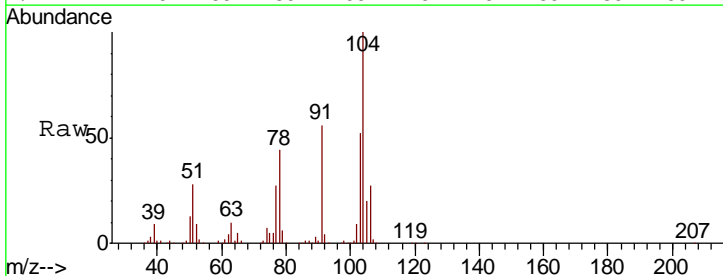
Tgt Ion	Resp	Lower	Upper
106	213913		
106	100		
91	216.9	106.8	320.4

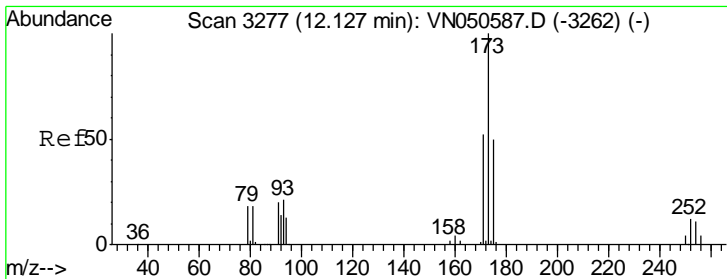
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#70
 Styrene
 Concen: 17.02 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

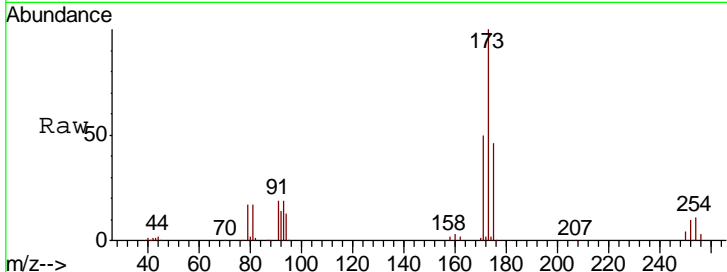
Tgt Ion	Resp	Lower	Upper
104	345079		
104	100		
78	48.9	39.1	58.7
103	55.7	44.9	67.3





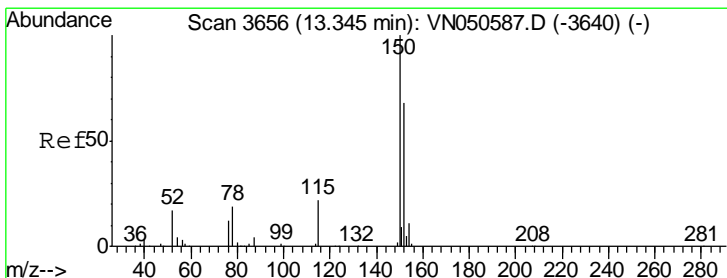
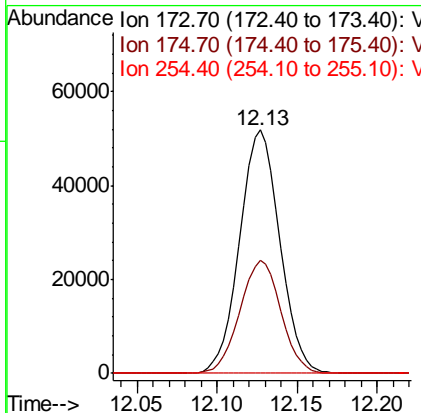
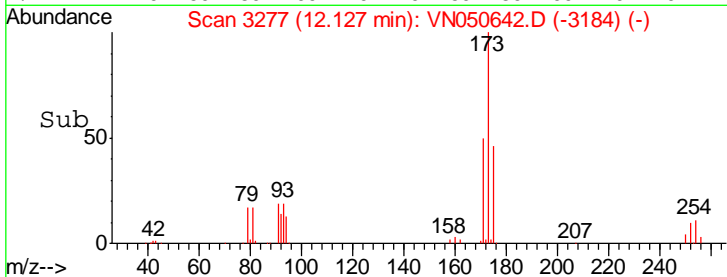
#71
 Bromoform
 Concen: 17.76 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

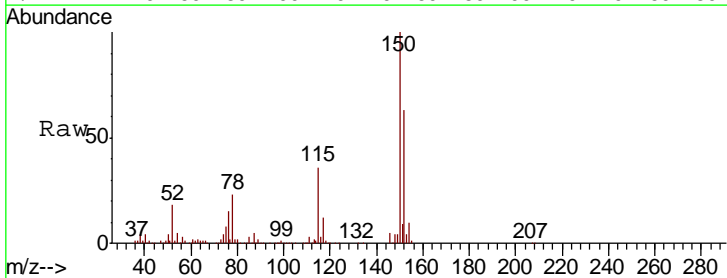


Tgt Ion	Resp	Lower	Upper
173	100		
175	47.2	24.4	73.2
254	0.0	0.0	0.0

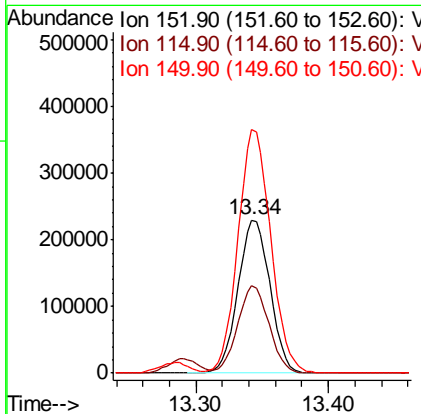
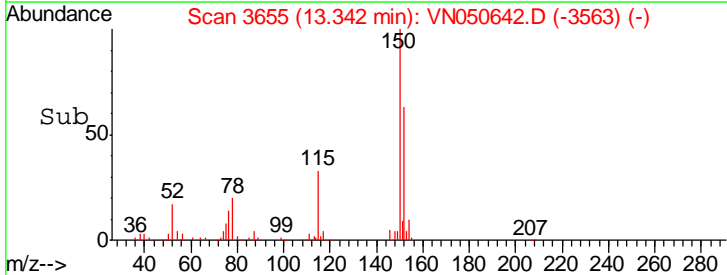
Manual Integrations APPROVED
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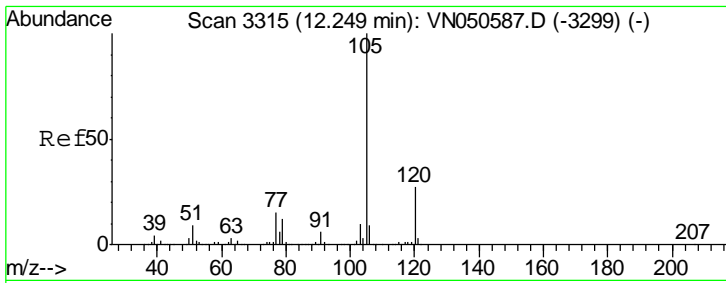


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52



Tgt Ion	Resp	Lower	Upper
152	100		
115	55.9	28.1	84.2
150	163.8	0.0	347.8





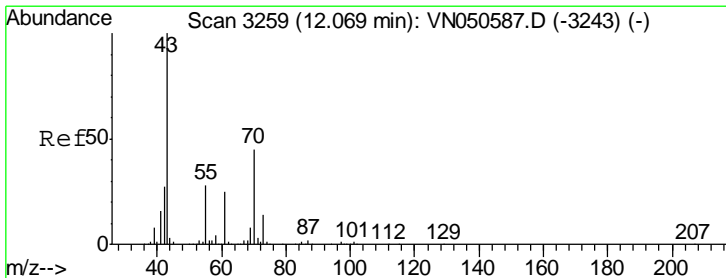
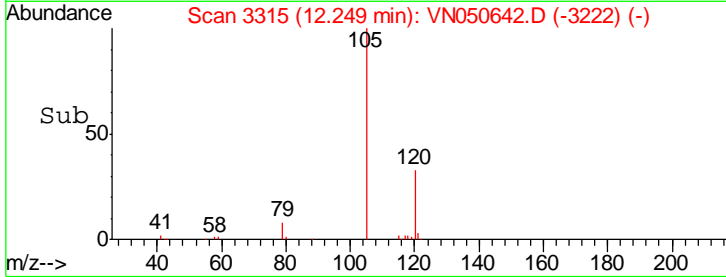
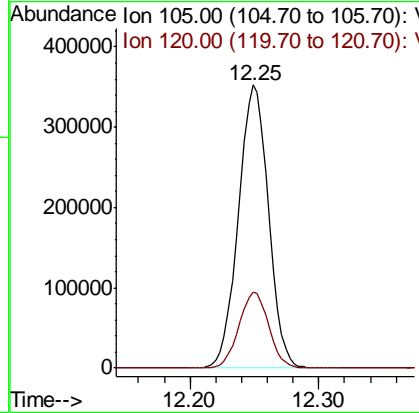
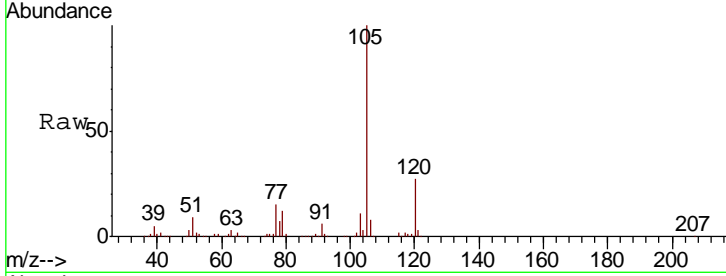
#73
 Isopropylbenzene
 Concen: 19.01 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.7	13.4	40.1

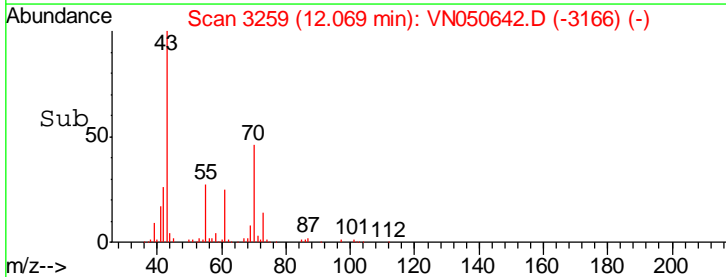
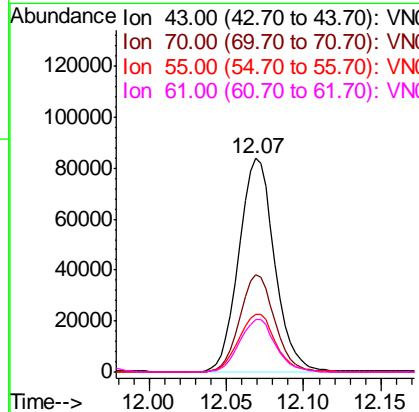
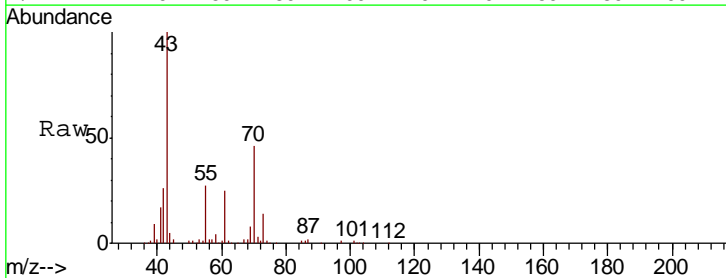
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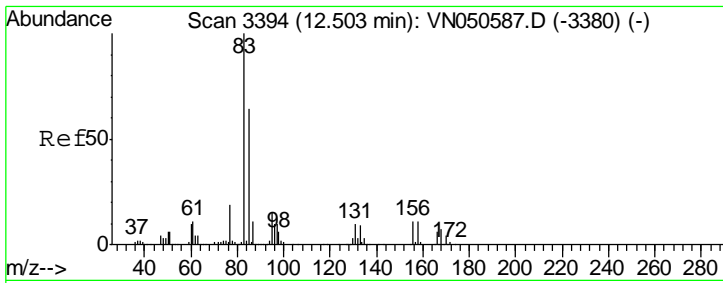
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#74
 N-amyl acetate
 Concen: 17.32 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
43	100		
70	44.3	35.9	53.9
55	28.0	22.2	33.4
61	24.6	20.0	30.0





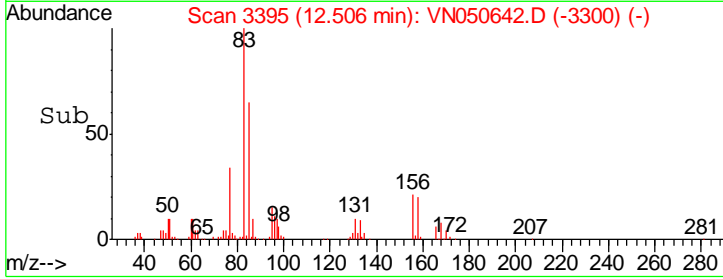
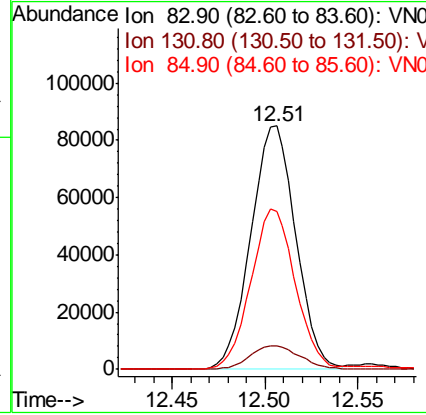
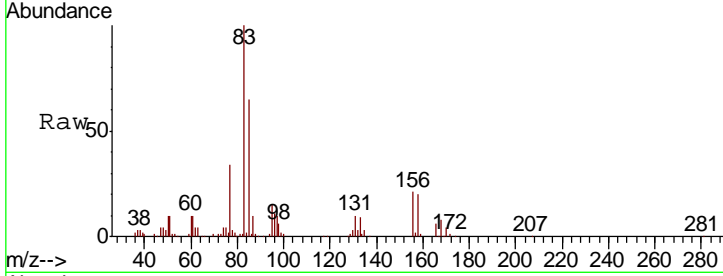
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.27 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

Tgt Ion	Resp	Lower	Upper
83	143964		
131	10.7	5.3	15.9
85	64.9	32.1	96.5

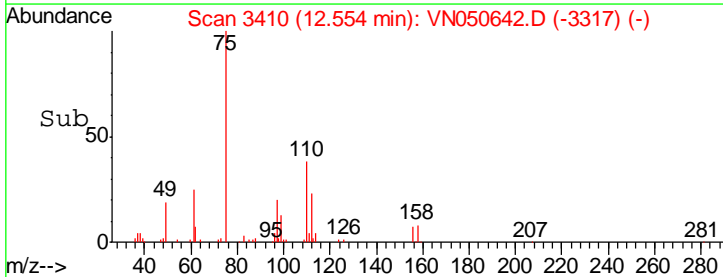
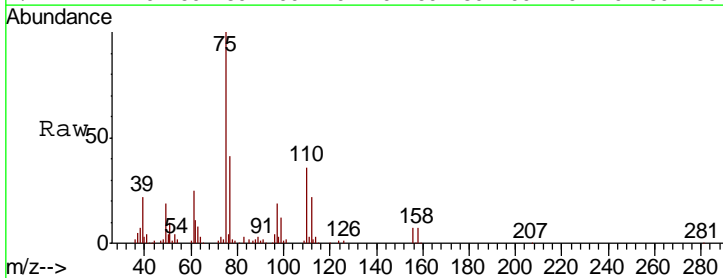
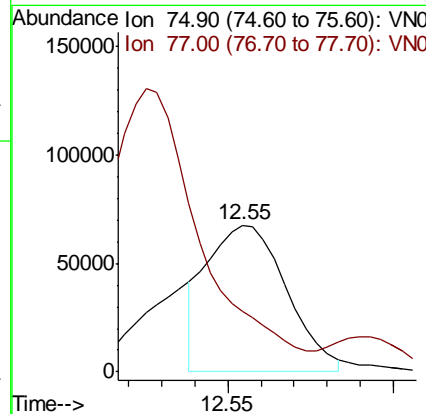
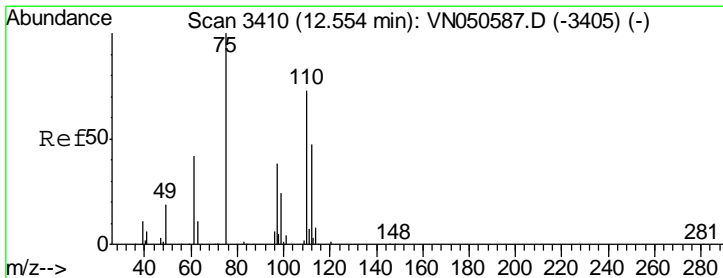
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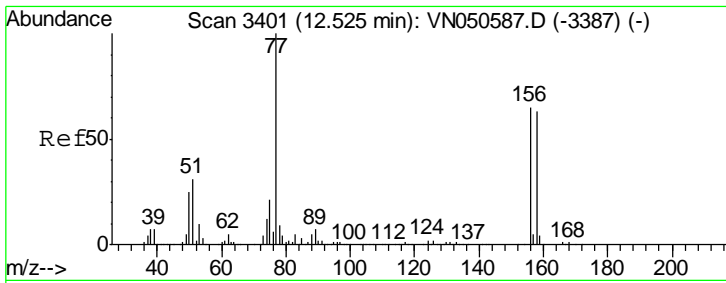
MMDadoda
 8/16/2018 1:18:28 PM



#76
 1,2,3-Trichloropropane
 Concen: 17.57 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
75	112951		
77	0.0	0.0	0.0



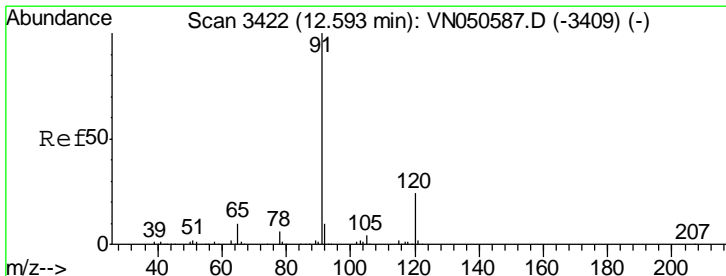
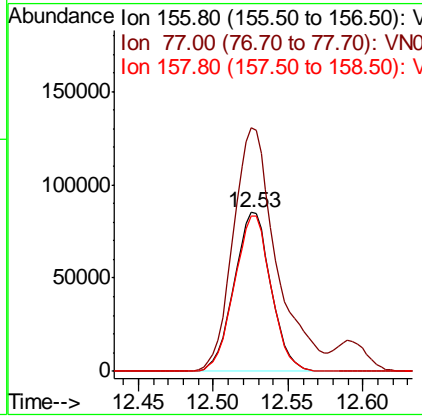
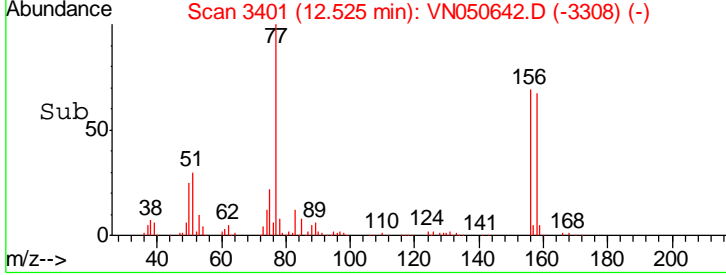
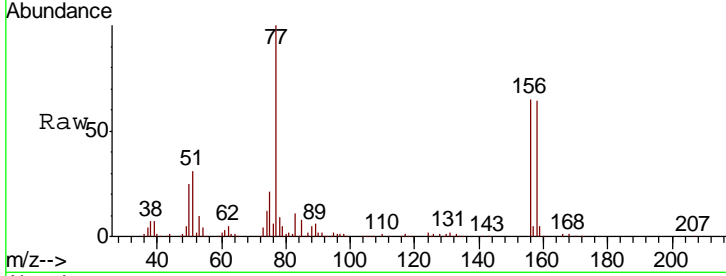


#77
 Bromobenzene
 Concen: 17.94 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

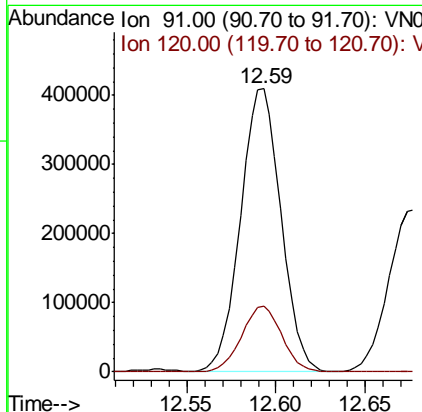
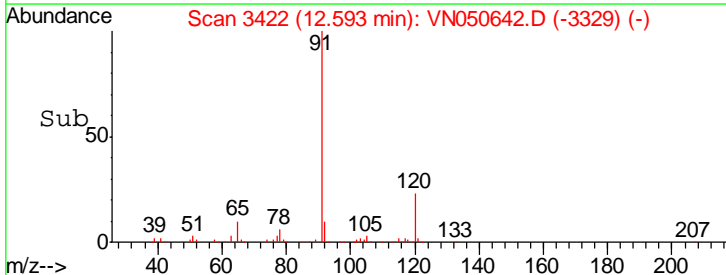
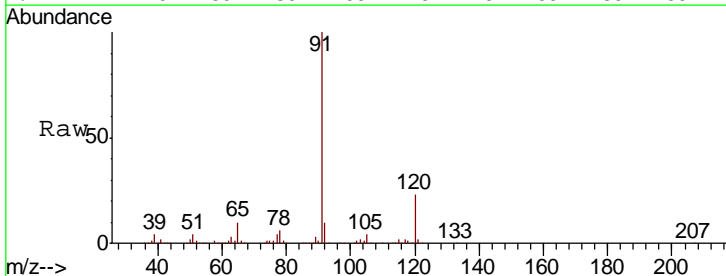
Tgt Ion	Resp	Lower	Upper
156	145929		
77	179.6	89.0	267.1
158	97.6	48.5	145.6

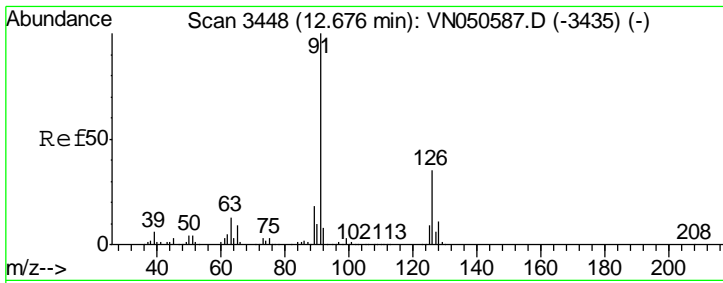
Manual Integrations
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#78
 n-propylbenzene
 Concen: 19.36 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
91	646671		
120	23.2	11.8	35.4



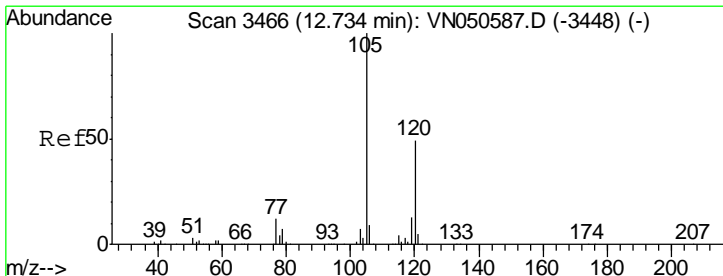
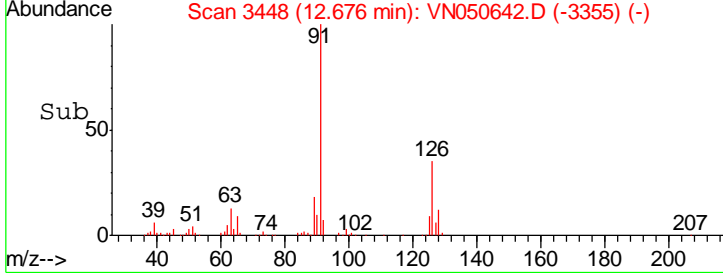
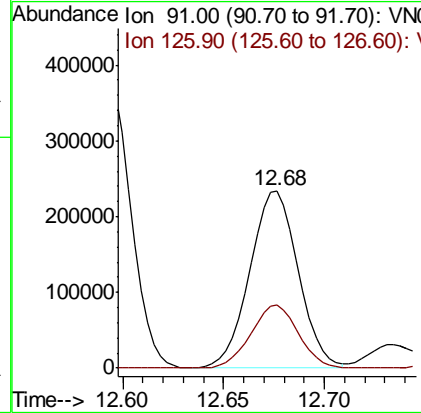
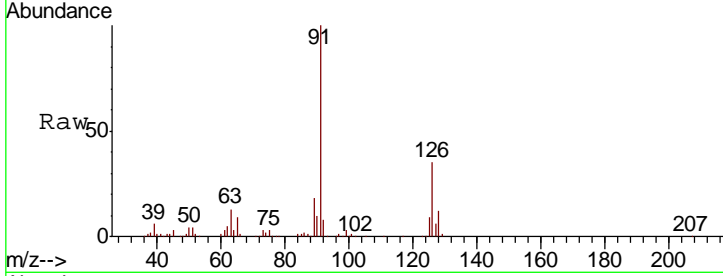


#79
 2-Chlorotoluene
 Concen: 18.76 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

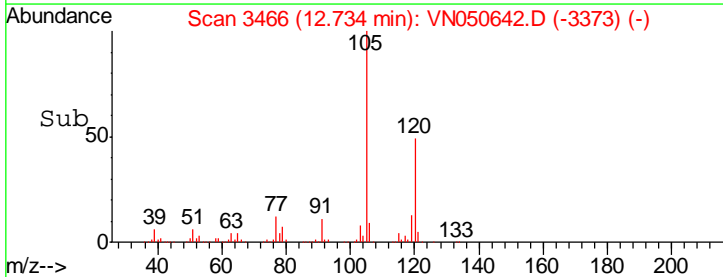
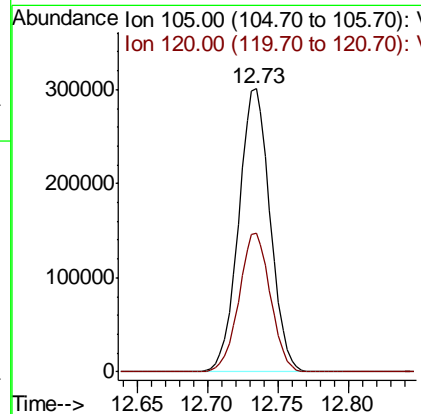
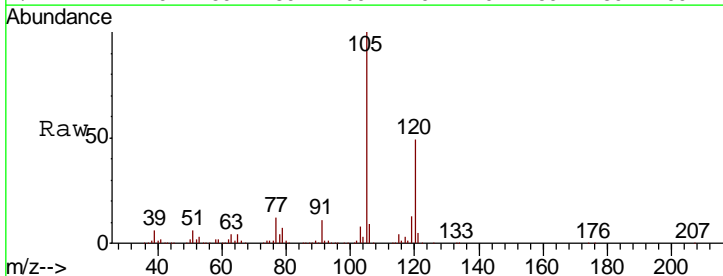
Tgt Ion	Resp	Lower	Upper
91	100		
126	35.2	17.6	52.8

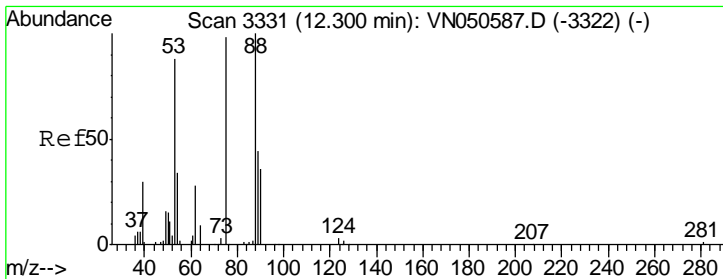
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.54 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.0	24.7	74.1



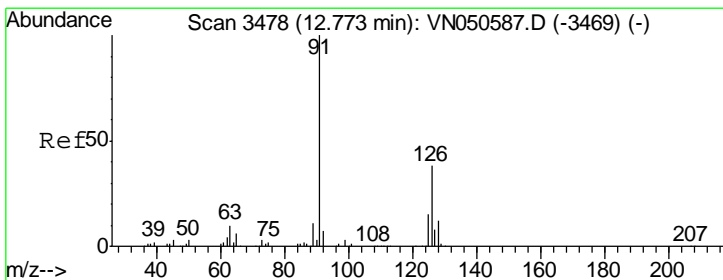
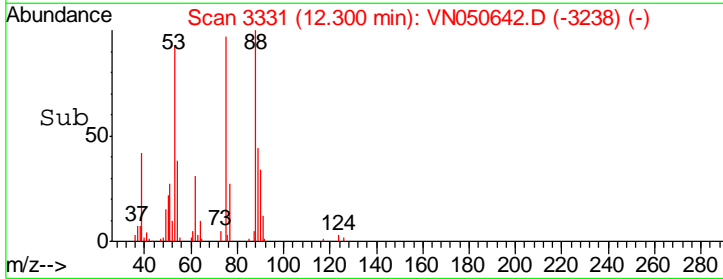
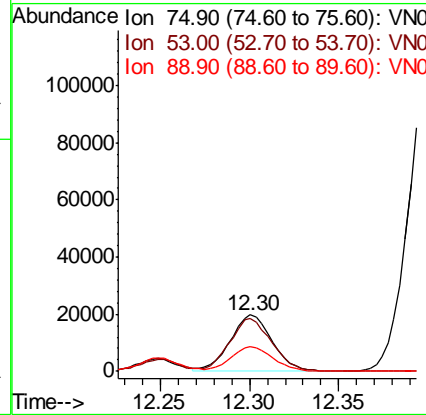
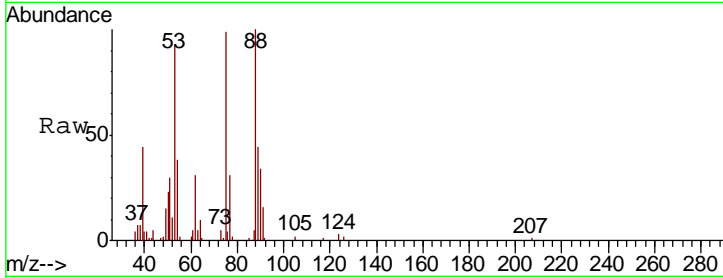


#81
 trans-1,4-Dichloro-2-butene
 Concen: 18.99 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

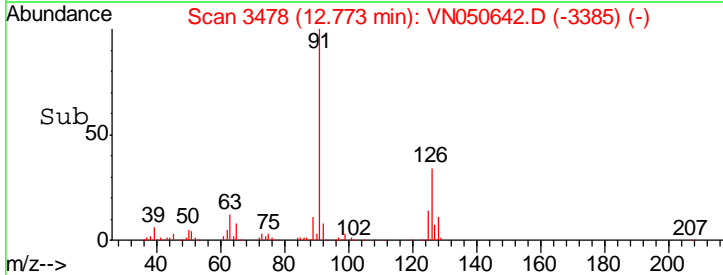
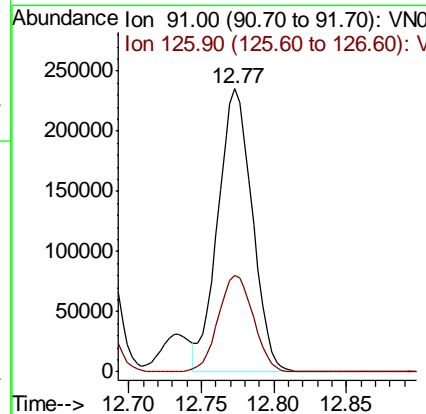
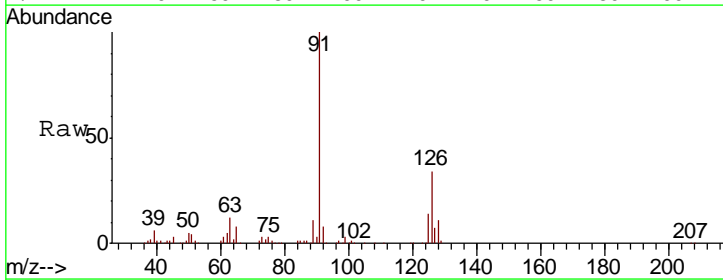
Tgt Ion	Resp	Lower	Upper
75	100		
53	93.6	72.2	108.2
89	43.7	36.3	54.5

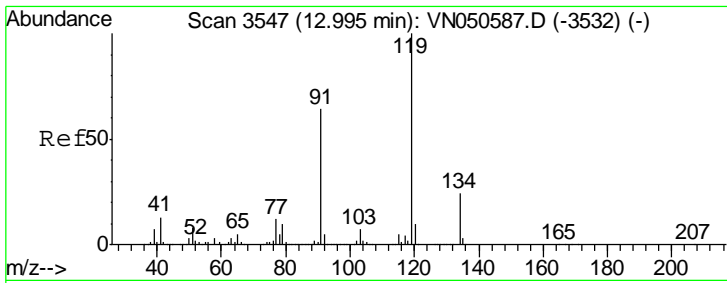
Manual Integrations
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#82
 4-Chlorotoluene
 Concen: 18.73 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.0	17.3	52.0



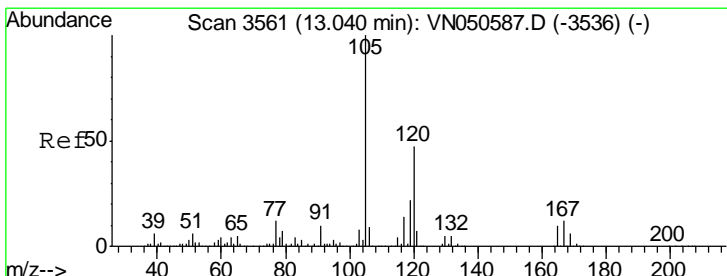
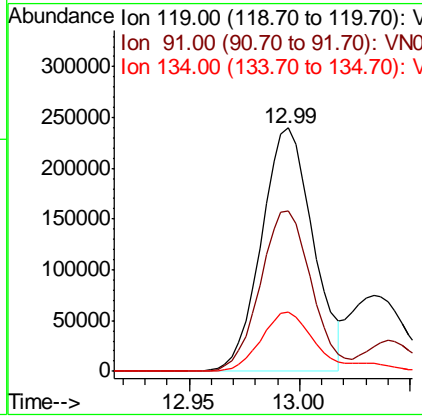
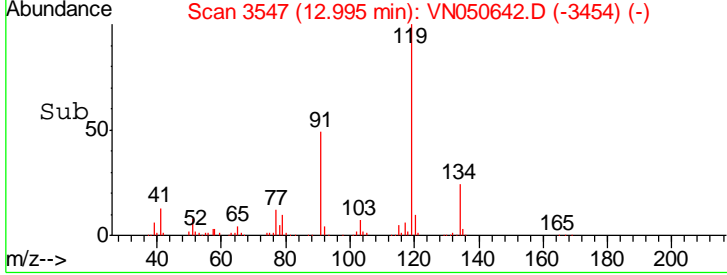
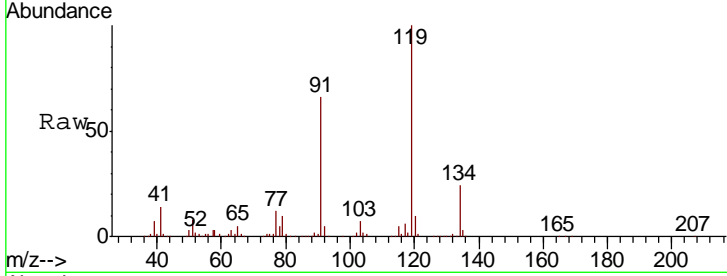


#83
 tert-Butylbenzene
 Concen: 18.66 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

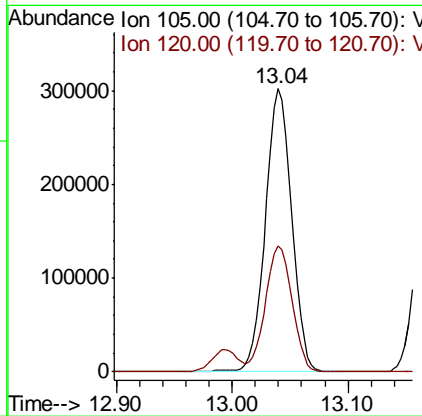
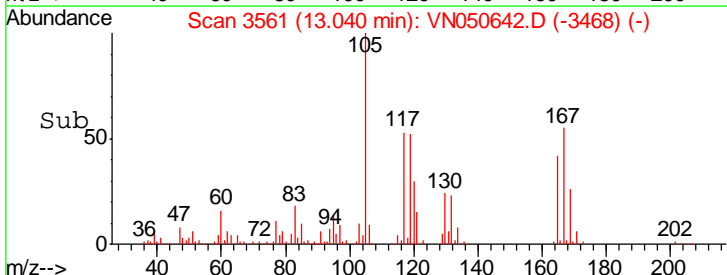
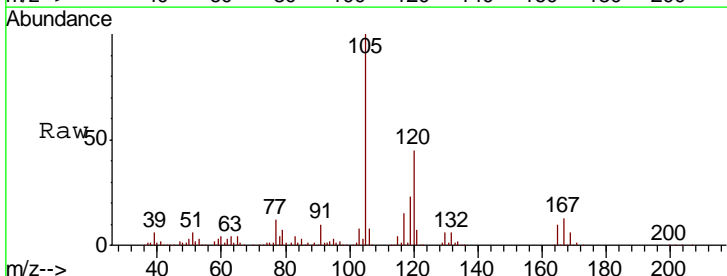
Tgt Ion	Resp	Lower	Upper
119	388360		
91	65.9	32.2	96.6
134	24.9	13.4	40.2

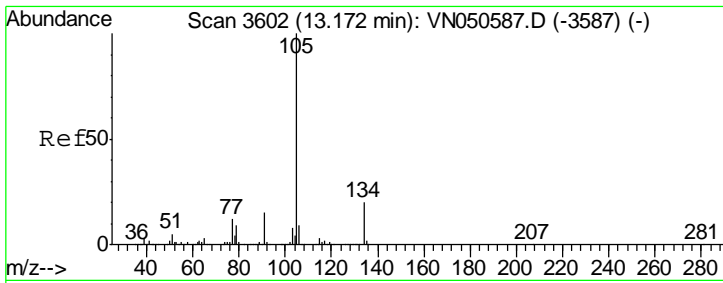
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.71 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
105	474448		
120	45.5	23.2	69.5



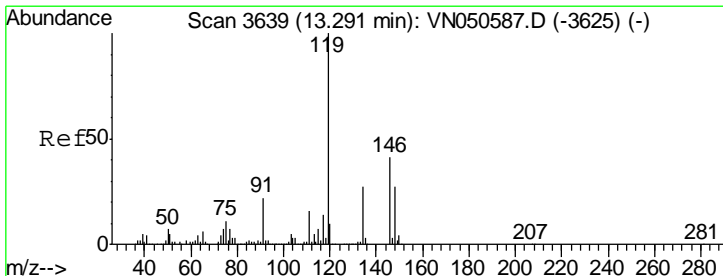
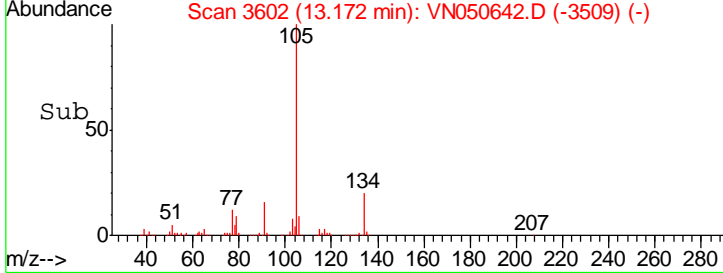
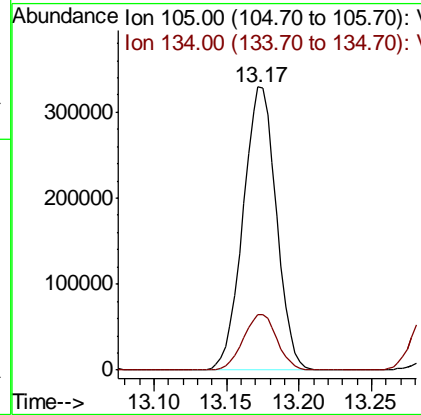
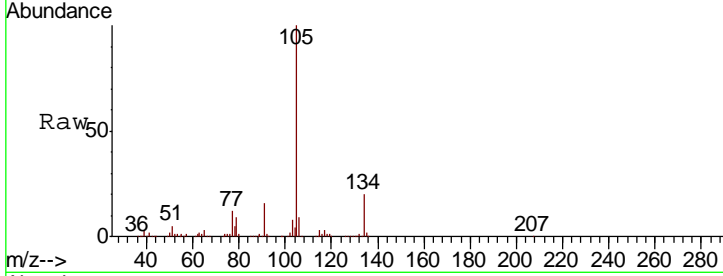


#85
 sec-Butylbenzene
 Concen: 19.26 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

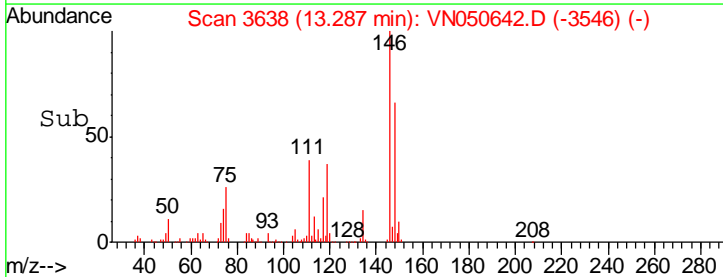
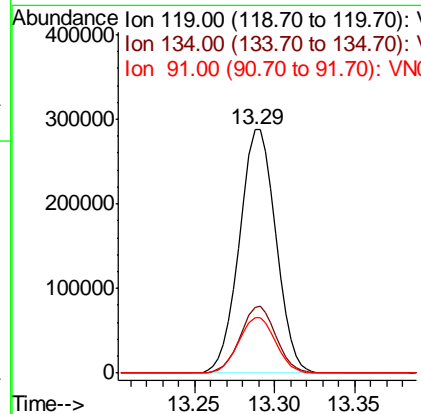
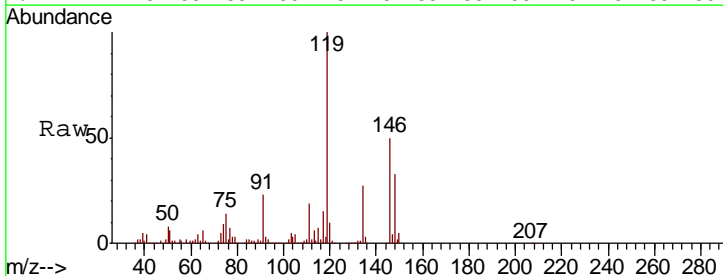
Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.3

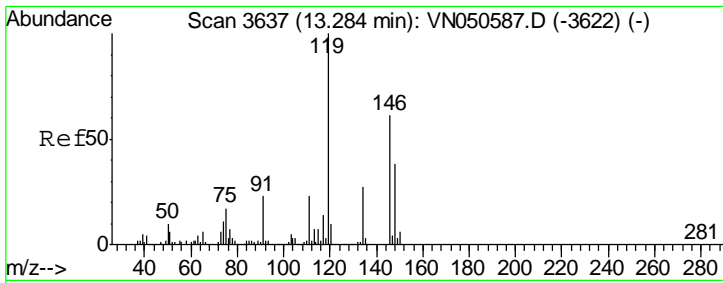
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#86
 p-Isopropyltoluene
 Concen: 19.31 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.5	40.4
91	23.0	11.2	33.6



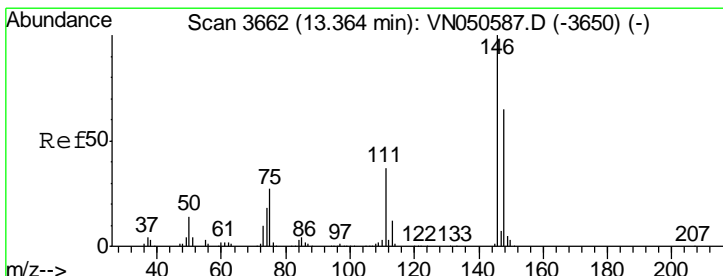
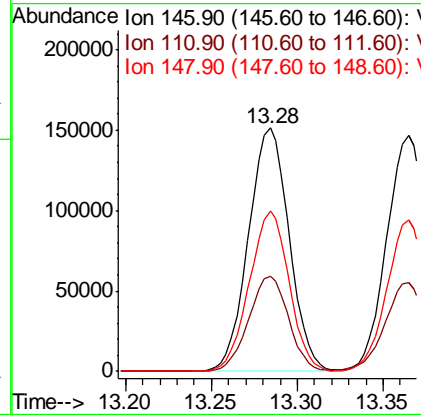
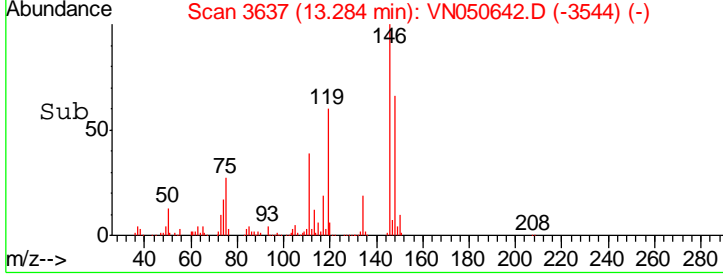
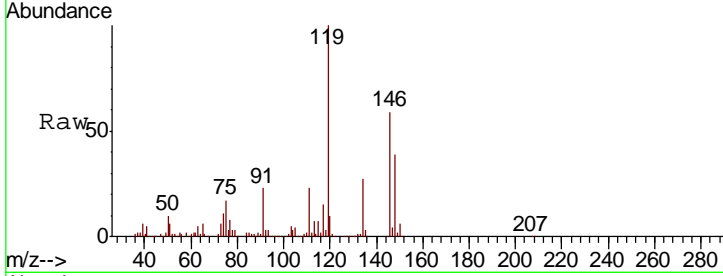


#87
 1,3-Dichlorobenzene
 Concen: 17.94 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

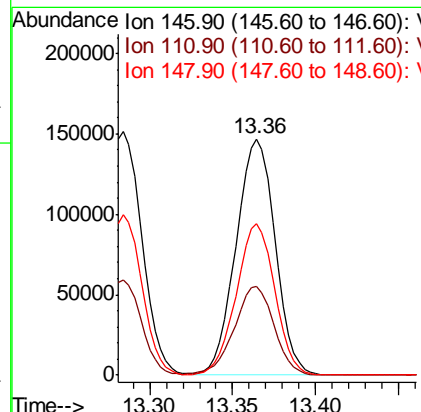
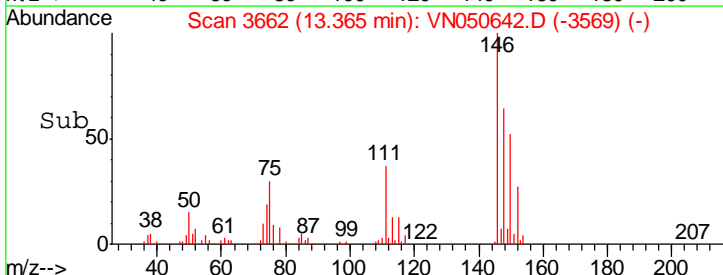
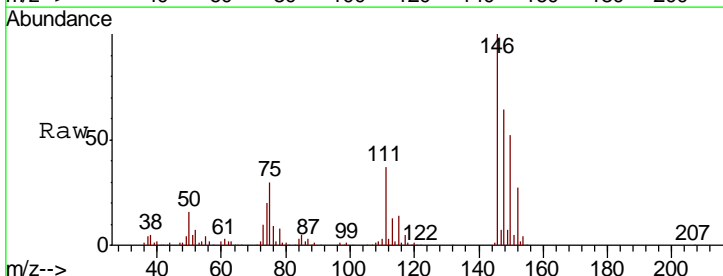
Tgt Ion	Resp	Lower	Upper
146	100		
111	38.3	19.2	57.6
148	64.4	31.9	95.7

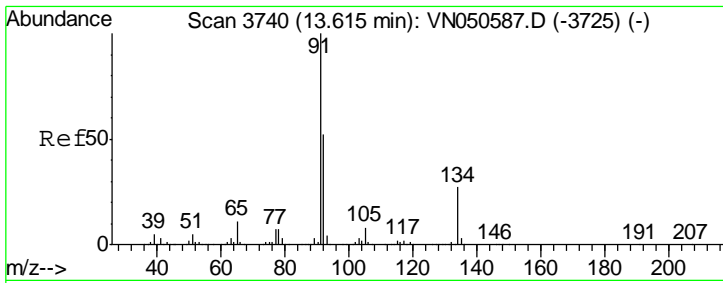
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#88
 1,4-Dichlorobenzene
 Concen: 17.55 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	63.4	32.3	96.8



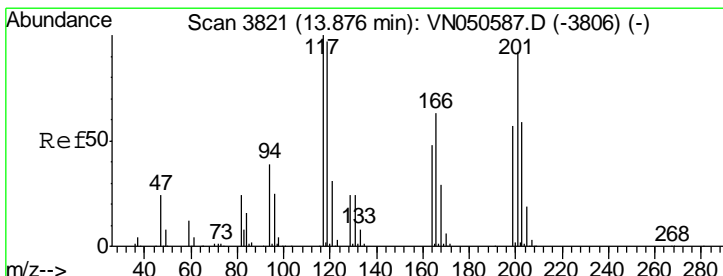
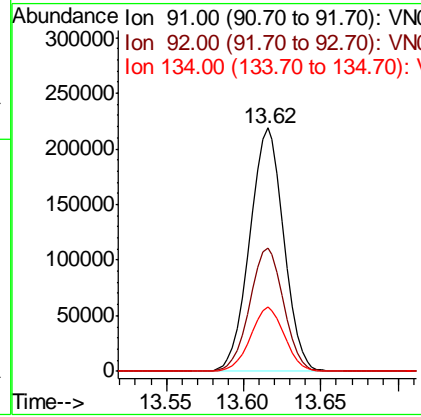
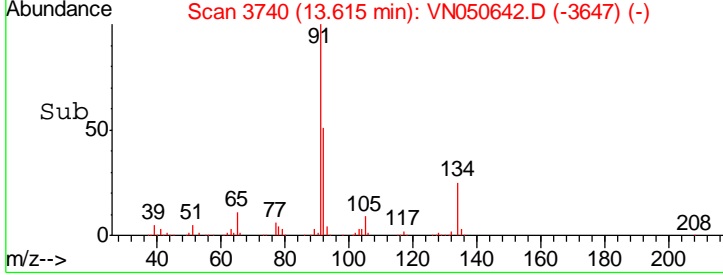
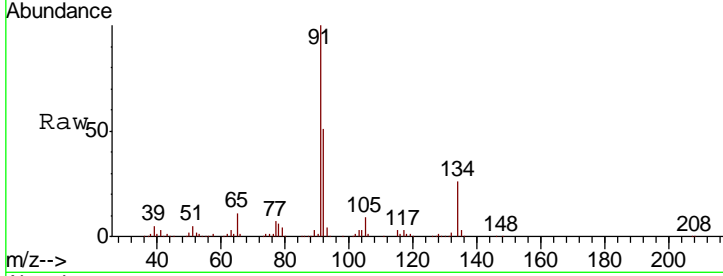


#89
 n-Butylbenzene
 Concen: 18.04 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

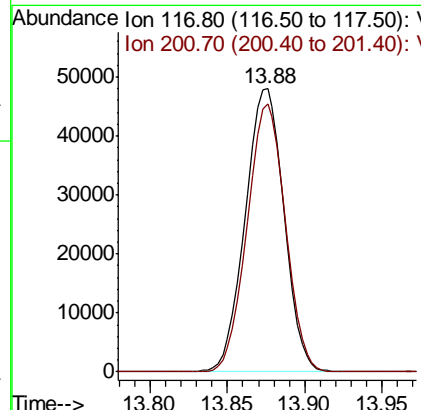
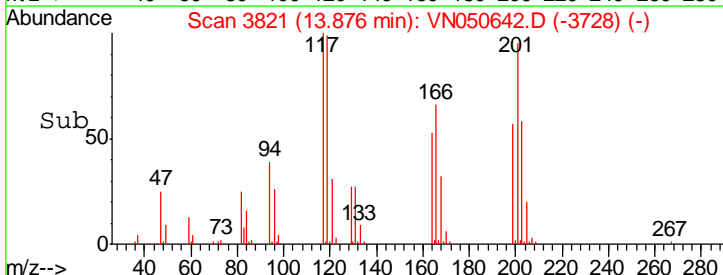
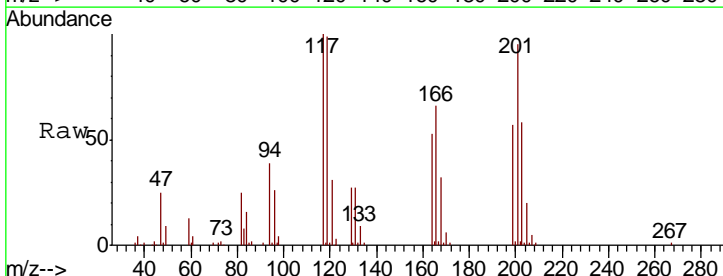
Tgt Ion	Resp	Lower	Upper
91	100		
92	50.4	26.3	78.8
134	26.1	13.3	39.9

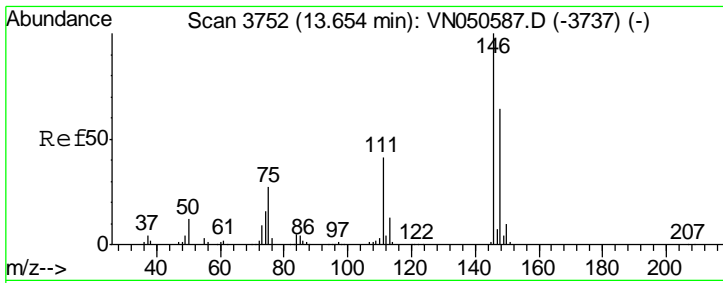
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#90
 Hexachloroethane
 Concen: 18.11 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
117	100		
201	93.1	45.5	136.5



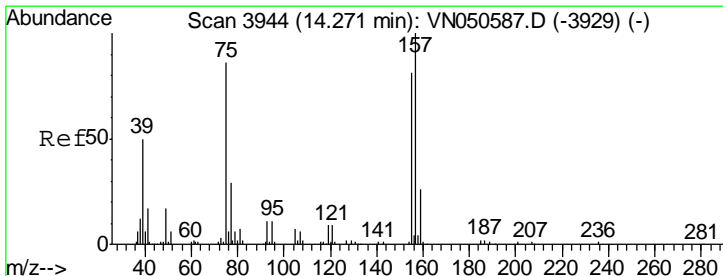
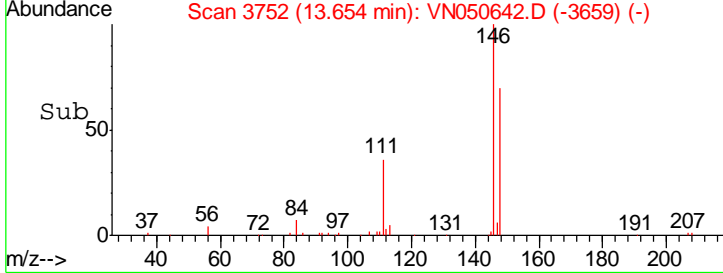
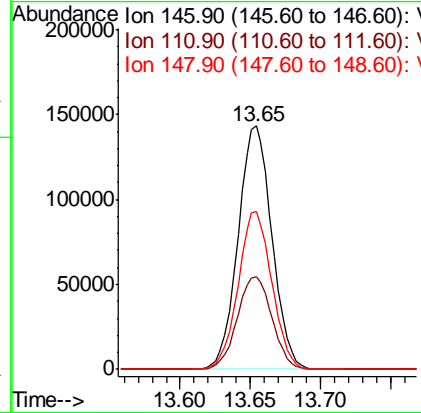
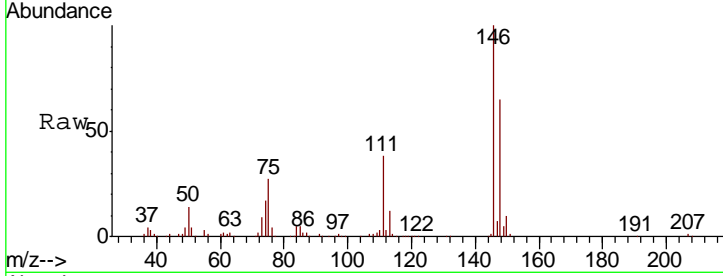


#91
 1,2-Dichlorobenzene
 Concen: 17.81 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

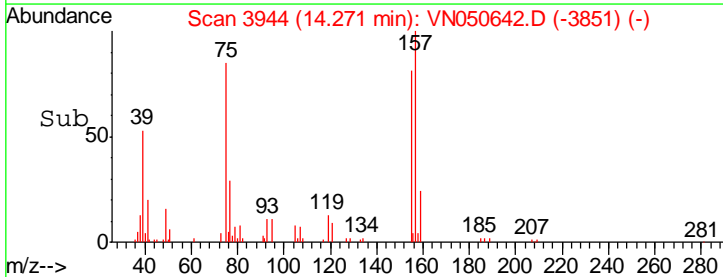
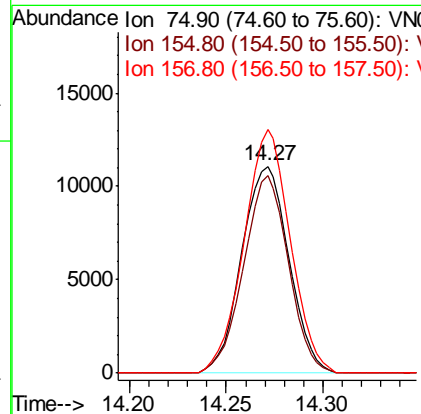
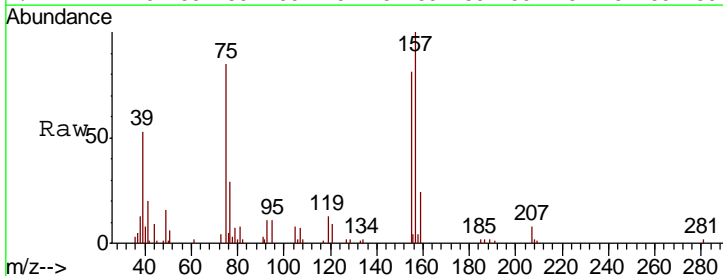
Tgt Ion	Resp	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	64.4	32.3	96.8

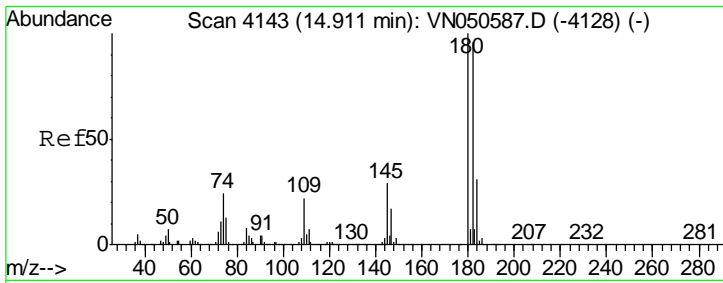
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.60 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
75	100		
155	90.8	46.6	139.8
157	115.5	58.1	174.2



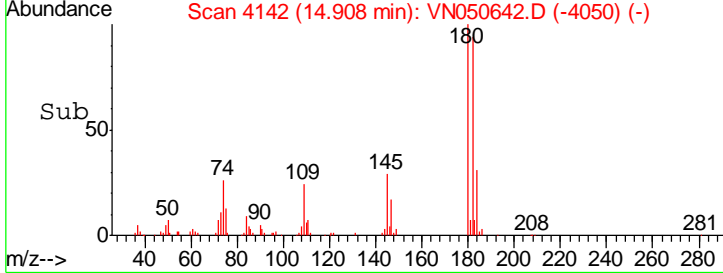
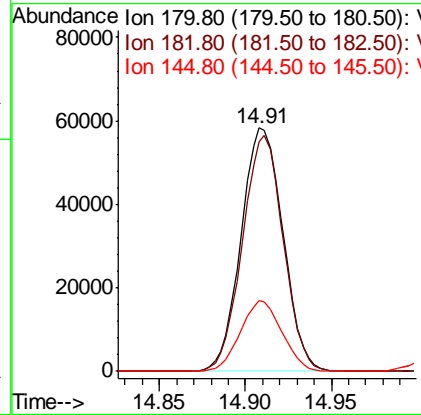
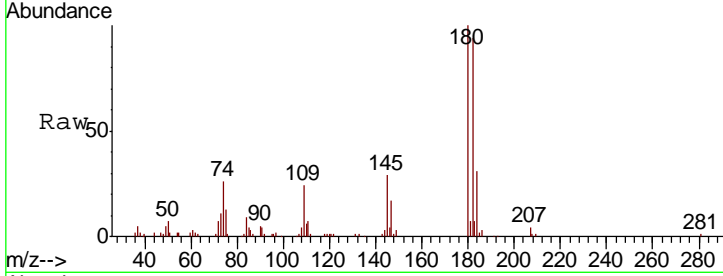


#93
 1,2,4-Trichlorobenzene
 Concen: 16.12 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

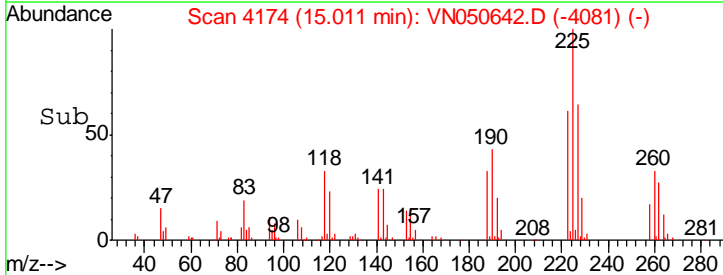
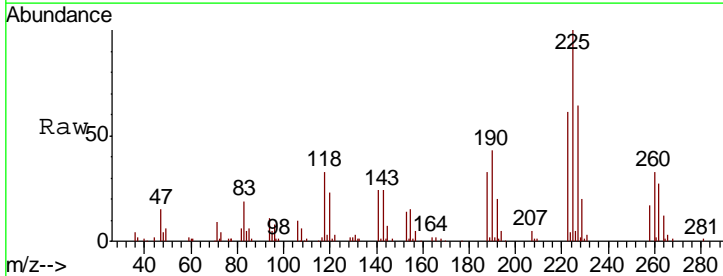
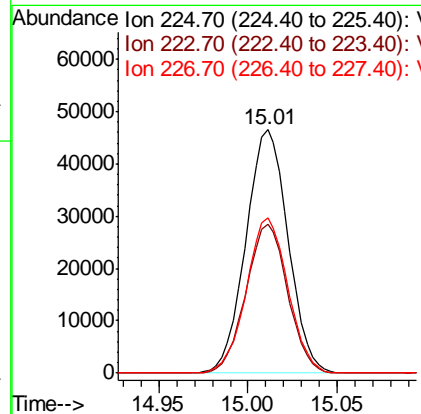
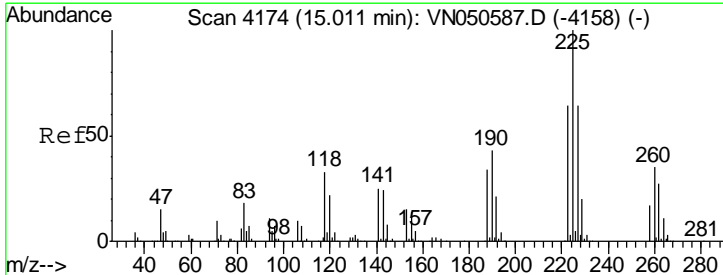
Tgt Ion	Resp	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	28.8	14.4	43.4

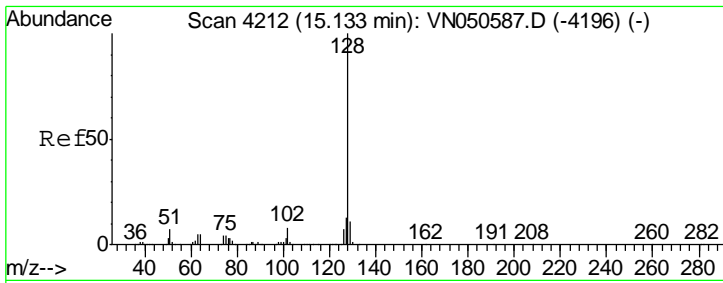
Manual Integrations
APPROVED
 MMDadoda
 8/16/2018 1:18:28 PM



#94
 Hexachlorobutadiene
 Concen: 18.55 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
225	100		
223	60.6	32.1	96.3
227	62.7	32.0	96.2





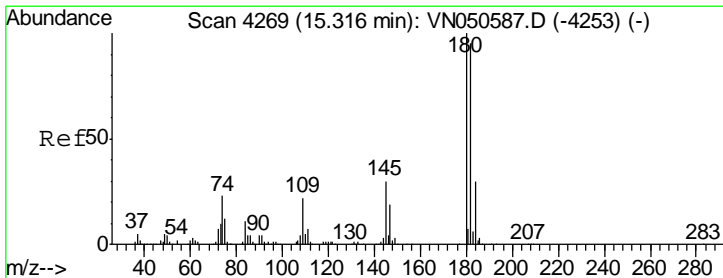
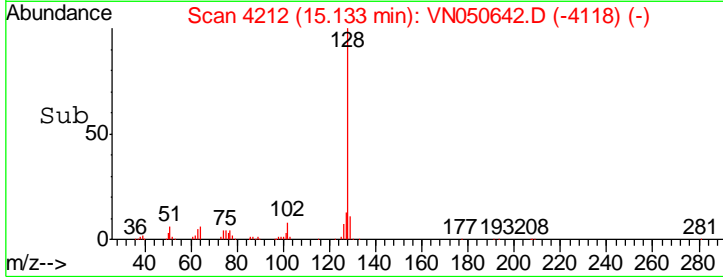
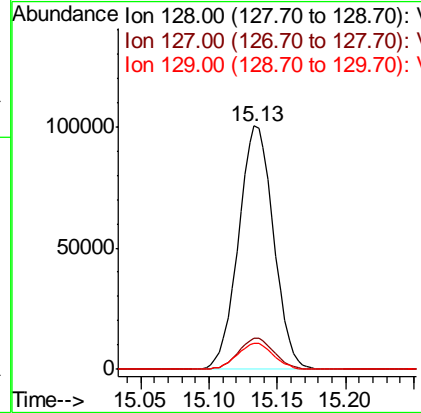
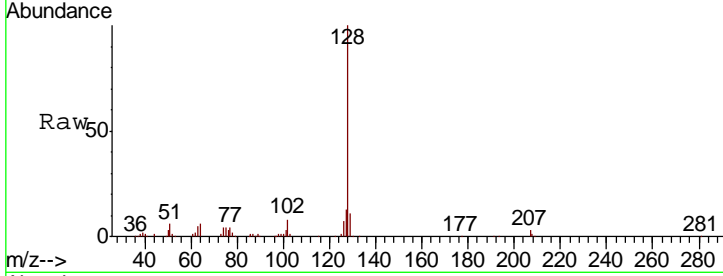
#95
 Naphthalene
 Concen: 15.05 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 Client Sampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
128	178839		
127	13.0	10.3	15.5
129	11.0	8.5	12.7

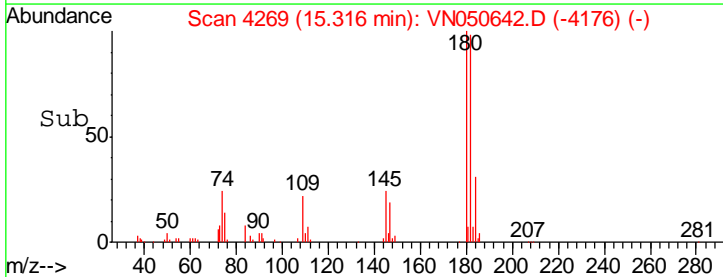
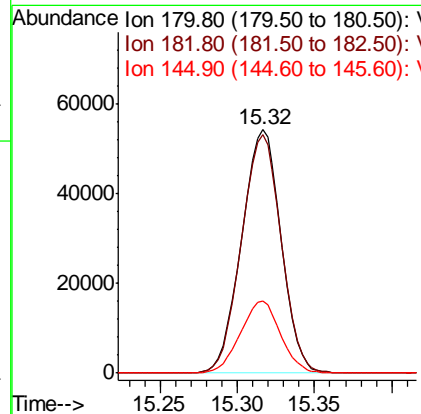
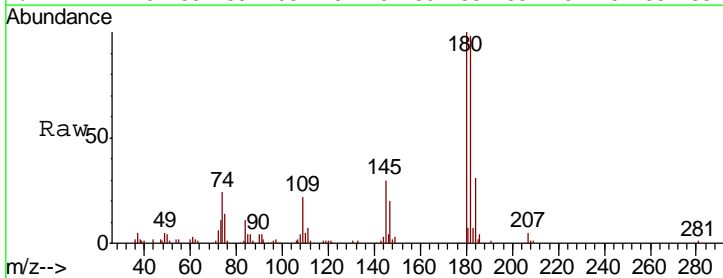
Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:28 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 16.21 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
180	96158		
182	98.6	47.3	141.8
145	30.0	14.6	44.0





284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	944-MW-05(17)MS	SDG No.:	J4465
Lab Sample ID:	J4465-06MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050636.D	1		08/15/18 05:59	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	44.1		0.2	0.2	1	ug/L
74-87-3	Chloromethane	49.3		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	46.6		0.2	0.2	1	ug/L
74-83-9	Bromomethane	49.3		0.2	0.2	1	ug/L
75-00-3	Chloroethane	50.9		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	45.2		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	44.4		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	47.3		0.2	0.2	1	ug/L
67-64-1	Acetone	250		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	46.1		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	50.8		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	44.1		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	51.3		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	48.4		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	47		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	47.3		0.2	0.2	1	ug/L
78-93-3	2-Butanone	240		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	47.5		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	48.8		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	50.2		0.2	0.5	1	ug/L
67-66-3	Chloroform	46.8		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	47		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	47.9		0.2	0.2	1	ug/L
71-43-2	Benzene	49.3		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	48.6		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	49.3		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	48.8		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	48.4		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	250		1	1	5	ug/L
108-88-3	Toluene	51.3		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	49.1		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	48		0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	944-MW-05(17)MS	SDG No.:	J4465
Lab Sample ID:	J4465-06MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050636.D	1		08/15/18 05:59	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	48.1		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	260		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	50.3		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	49.7		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	95.8		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	48.5		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	51.4		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	100		0.4	0.4	2	ug/L
95-47-6	o-Xylene	52.1		0.2	0.2	1	ug/L
100-42-5	Styrene	48.1		0.2	0.2	1	ug/L
75-25-2	Bromoform	49.1		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	49.6		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	51.6		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	47.6		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	46.2		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	47.4		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	47		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.1		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	46.2		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		61 - 141		100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	50.6		65 - 126		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		58 - 135		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	633893	7.667				
540-36-3	1,4-Difluorobenzene	932330	8.587				
3114-55-4	Chlorobenzene-d5	861443	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	445835	13.342				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	944-MW-05(17)MS	SDG No.:	J4465
Lab Sample ID:	J4465-06MS	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050636.D	1		08/15/18 05:59	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050636.D
 Acq On : 15 Aug 2018 5:59
 Operator : MD\SY
 Sample : J4465-06MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 944-MW-05(17)MS

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:45 PM

Quant Time: Aug 15 14:47:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	633893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	932330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	861443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	445835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	400665	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	7.59	113	375233	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	1416194	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	463354	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314806	44.05	ug/l	98
3) Chloromethane	2.06	50	429393	49.30	ug/l	100
4) Vinyl Chloride	2.18	62	442358	46.60	ug/l	100
5) Bromomethane	2.56	94	251492	49.26	ug/l	98
6) Chloroethane	2.70	64	268383	50.90	ug/l	100
7) Trichlorofluoromethane	3.01	101	563492	45.24	ug/l	100
8) Diethyl Ether	3.41	74	200594	48.41	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	334512	44.41	ug/l	100
10) Methyl Iodide	3.95	142	250633	47.25	ug/l	100
11) Tert butyl alcohol	4.79	59	107435	246.25	ug/l	100
12) 1,1-Dichloroethene	3.74	96	325048	47.26	ug/l	99
13) Acrolein	3.61	56	36908	220.87	ug/l	100
14) Allyl chloride	4.33	41	504061	47.11	ug/l	99
15) Acrylonitrile	4.99	53	583670	243.58	ug/l	99
16) Acetone	3.82	43	507885	254.60	ug/l	100
17) Carbon Disulfide	4.05	76	997235	46.07	ug/l	100
18) Methyl Acetate	4.33	43	248322	44.13	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	888315	50.75	ug/l	100
20) Methylene Chloride	4.55	84	389475	51.32	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	360829	48.39	ug/l	98
22) Diisopropyl ether	5.95	45	1124442	51.26	ug/l	98
23) Vinyl Acetate	5.90	43	3299326	229.93	ug/l	99
24) 1,1-Dichloroethane	5.85	63	666921	46.99	ug/l	100
25) 2-Butanone	6.84	43	801848	244.76	ug/l	100
26) 2,2-Dichloropropane	6.83	77	379741	39.97	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	404891	48.76	ug/l	98
28) Bromochloromethane	7.20	49	324226	50.19	ug/l	100
29) Tetrahydrofuran	7.22	42	433191	253.24	ug/l	99
30) Chloroform	7.37	83	673614	46.83	ug/l	99
31) Cyclohexane	7.65	56	573607	47.34	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	568530	46.96	ug/l	99
36) 1,1-Dichloropropene	7.80	75	512529	49.38	ug/l	100
37) Ethyl Acetate	6.93	43	273625	46.64	ug/l	99
38) Carbon Tetrachloride	7.78	117	511485	47.51	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050636.D
 Acq On : 15 Aug 2018 5:59
 Operator : MD\SY
 Sample : J4465-06MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:45 PM

Quant Time: Aug 15 14:47:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	514519	47.88	ug/l	99
40) Benzene	8.04	78	1557337	49.32	ug/l	100
41) Methacrylonitrile	7.18	41	164274	51.80	ug/l	97
42) 1,2-Dichloroethane	8.13	62	469843	48.55	ug/l	100
43) Isopropyl Acetate	8.17	43	487275	45.58	ug/l	98
44) Trichloroethene	8.84	130	416676	49.27	ug/l	96
45) 1,2-Dichloropropane	9.12	63	410037	48.78	ug/l	100
46) Dibromomethane	9.21	93	241346	48.63	ug/l	96
47) Bromodichloromethane	9.40	83	513158	48.37	ug/l	100
48) Methyl methacrylate	9.20	41	261722	48.65	ug/l	99
49) 1,4-Dioxane	9.20	88	69244	977.05	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1822237	252.02	ug/l	100
52) Toluene	10.16	92	966065	51.25	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	485081	49.09	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	543845	47.98	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	339006	48.14	ug/l	98
56) Ethyl methacrylate	10.43	69	422126	47.10	ug/l	100
57) 1,3-Dichloropropane	10.71	76	579422	50.18	ug/l	100
59) 2-Hexanone	10.75	43	1201751	257.51	ug/l	100
60) Dibromochloromethane	10.90	129	390912	50.29	ug/l	99
61) 1,2-Dibromoethane	11.01	107	333156	49.67	ug/l	99
64) Tetrachloroethene	10.63	164	766062	95.76	ug/l	99
65) Chlorobenzene	11.43	112	1040237	48.52	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	389615	48.48	ug/l	100
67) Ethyl Benzene	11.51	91	1779937	51.42	ug/l	99
68) m/p-Xylenes	11.62	106	1367535	103.29	ug/l	99
69) o-Xylene	11.95	106	658280	52.14	ug/l	100
70) Styrene	11.96	104	1078236	48.06	ug/l	100
71) Bromoform	12.13	173	261888	49.14	ug/l #	100
73) Isopropylbenzene	12.25	105	1729011	49.64	ug/l	100
74) N-amyl acetate	12.07	43	394620	43.54	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	416360	51.56	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	314639m	43.55	ug/l	
77) Bromobenzene	12.53	156	443571	46.90	ug/l	99
78) n-propylbenzene	12.59	91	1946902	50.12	ug/l	99
79) 2-Chlorotoluene	12.67	91	1165977	48.15	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1414826	50.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	89288	44.52	ug/l	99
82) 4-Chlorotoluene	12.77	91	1181089	49.35	ug/l	100
83) tert-Butylbenzene	12.99	119	1190003	49.15	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1431381	51.13	ug/l	100
85) sec-Butylbenzene	13.17	105	1570848	49.65	ug/l	100
86) p-Isopropyltoluene	13.29	119	1372015	51.18	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	766405	47.60	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	737636	46.16	ug/l	100
89) n-Butylbenzene	13.62	91	1065138	49.20	ug/l	99
90) Hexachloroethane	13.88	117	245654	45.57	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	744365	47.39	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58362	46.96	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	361254	45.09	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050636.D
 Acq On : 15 Aug 2018 5:59
 Operator : MD\SY
 Sample : J4465-06MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MS

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:45 PM

Quant Time: Aug 15 14:47:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	210426	43.70	ug/l	99
95) Naphthalene	15.13	128	743744	43.88	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	346476	46.17	ug/l	99

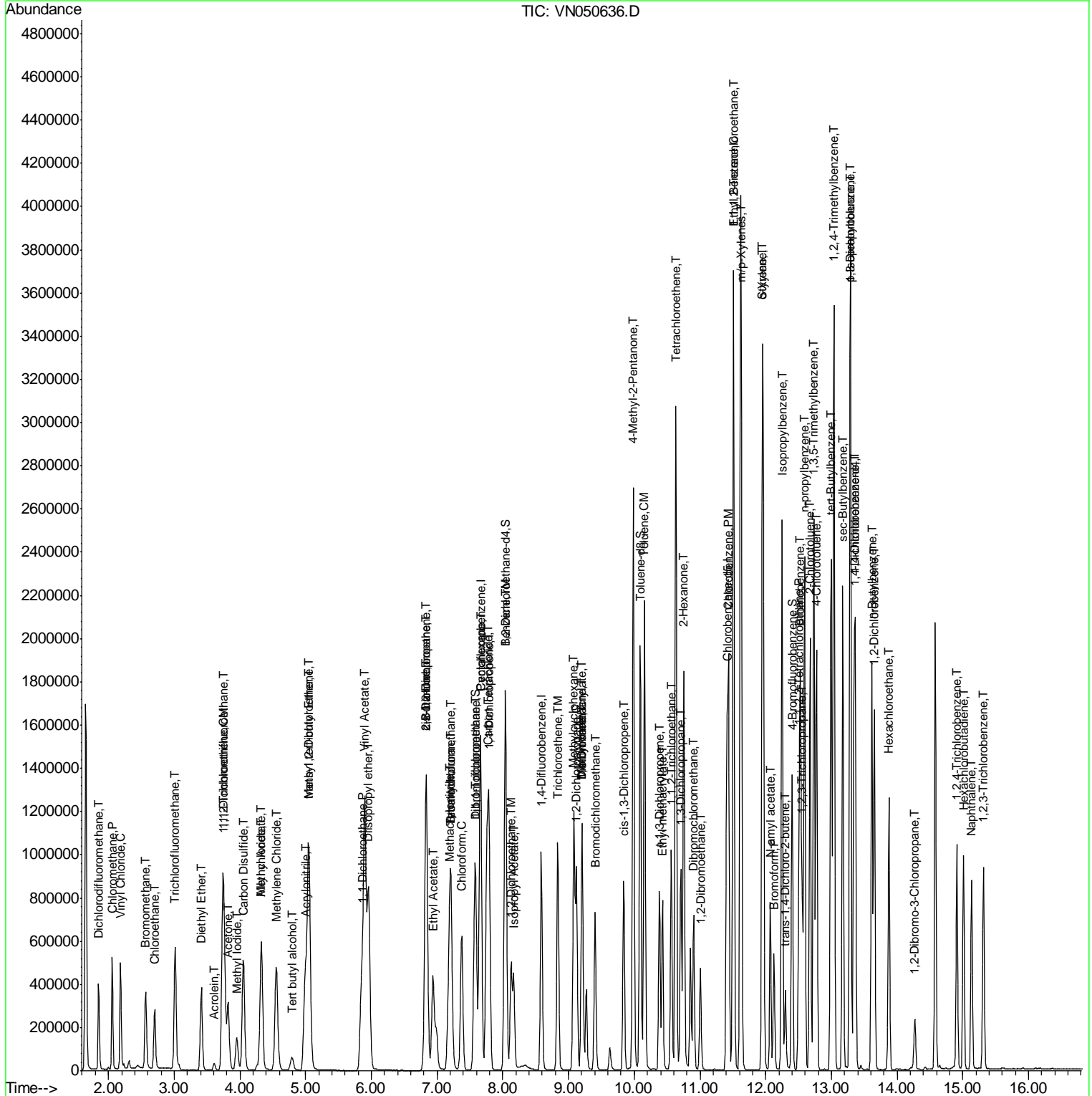
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050636.D
 Acq On : 15 Aug 2018 5:59
 Operator : MD\SY
 Sample : J4465-06MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

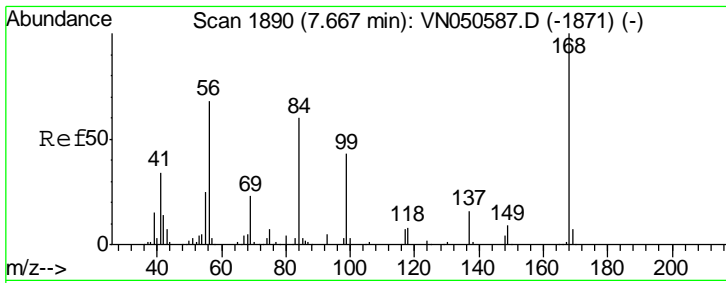
Instrument :
 MSVOA_N
 Client Sampled :
 944-MW-05(17)MS

Manual Integrations
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Quant Time: Aug 15 14:47:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



- 1
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- 14
- 15
- 16



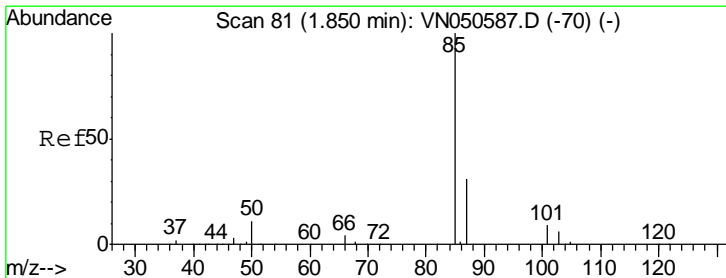
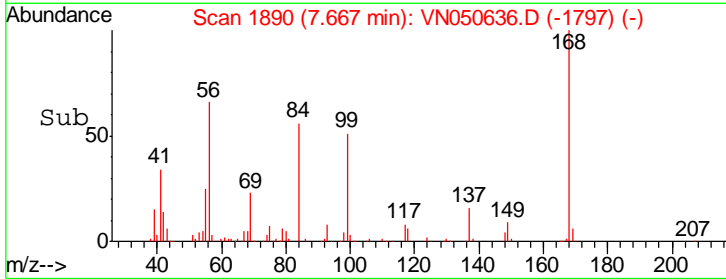
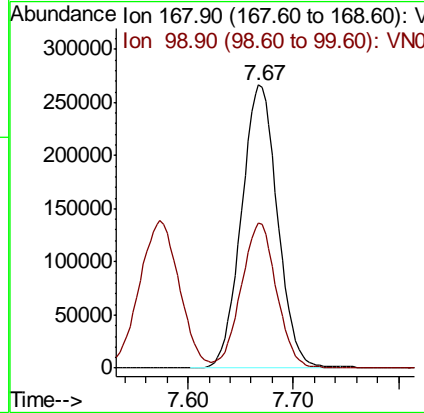
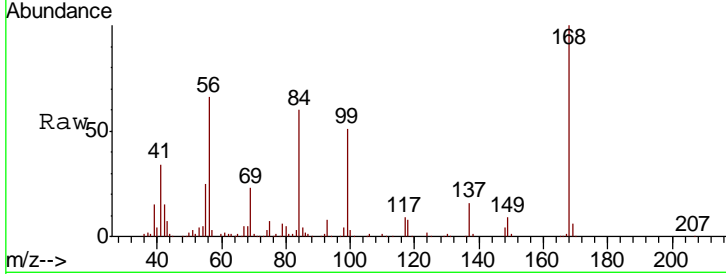
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)MS

Tgt Ion	Resp	Lower	Upper
168	100		
99	51.1	40.8	61.2

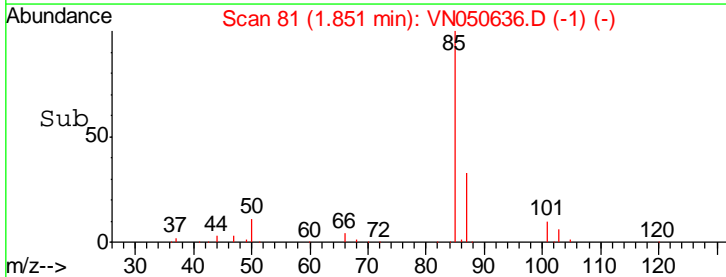
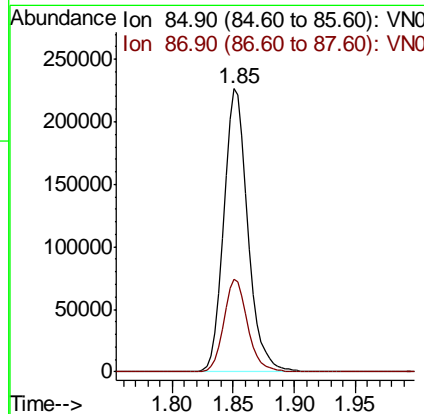
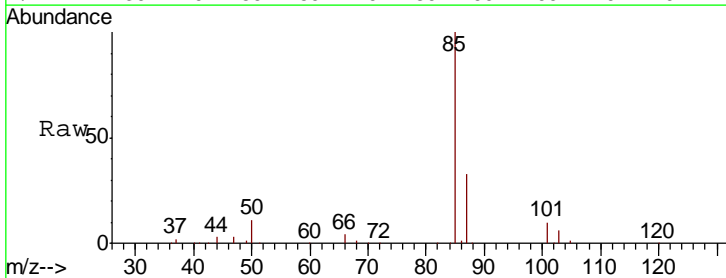
Manual Integrations
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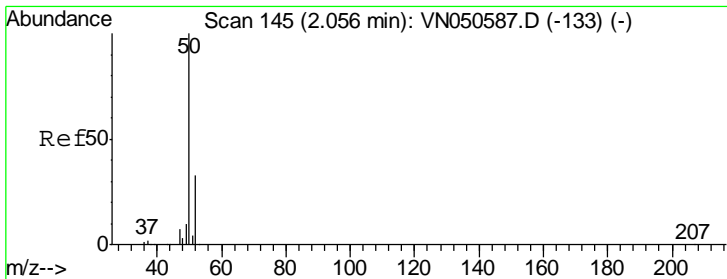
MMDadoda
 8/15/2018 3:32:45 PM



#2
 Dichlorodifluoromethane
 Concen: 44.05 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.8	15.8	47.3





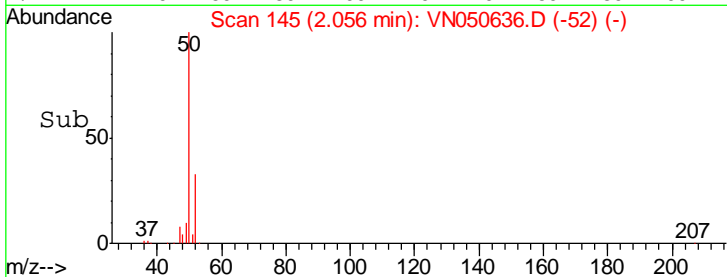
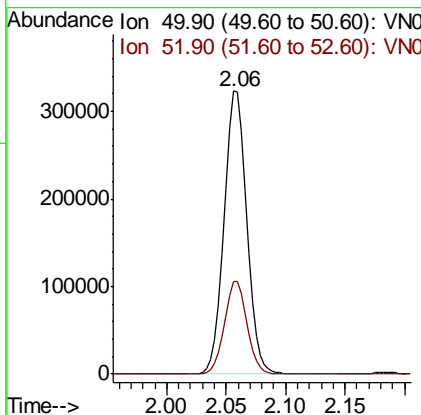
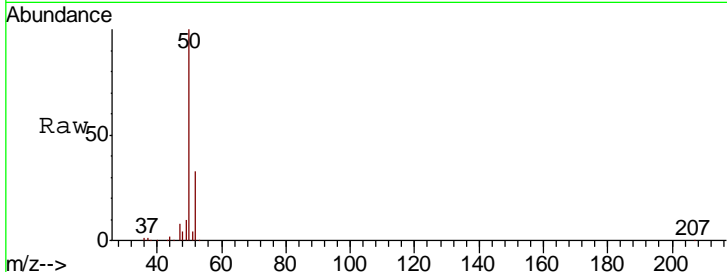
#3
 Chloromethane
 Concen: 49.30 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.7	26.0	39.0

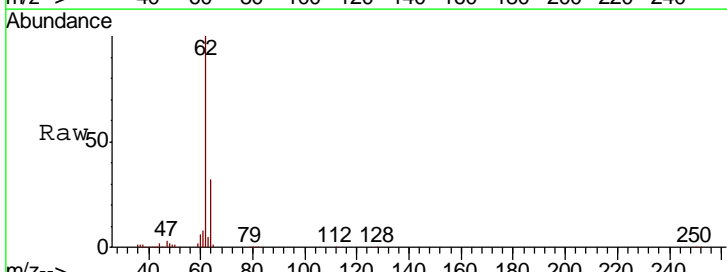
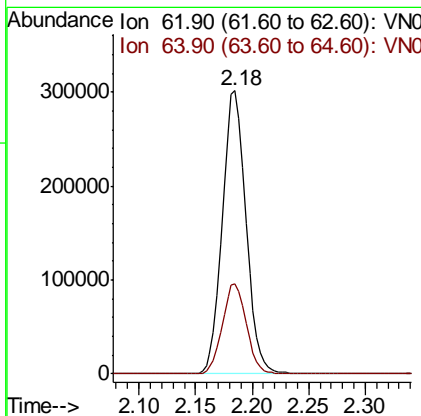
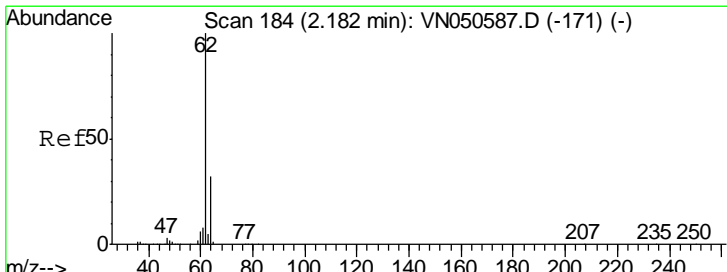
Manual Integrations
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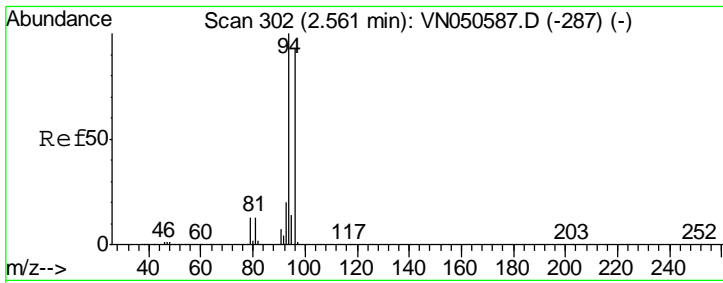
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#4
 Vinyl Chloride
 Concen: 46.60 ug/l
 RT: 2.18 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.7	25.2	37.8



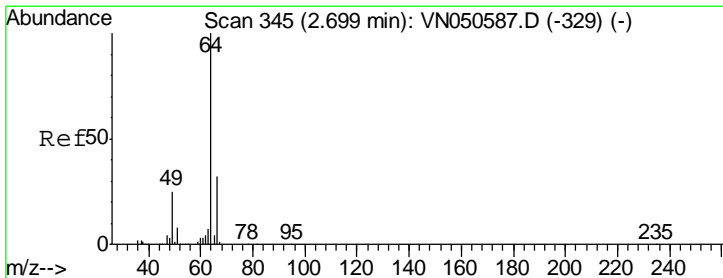
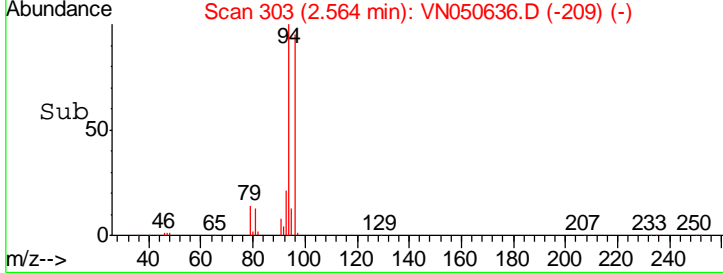
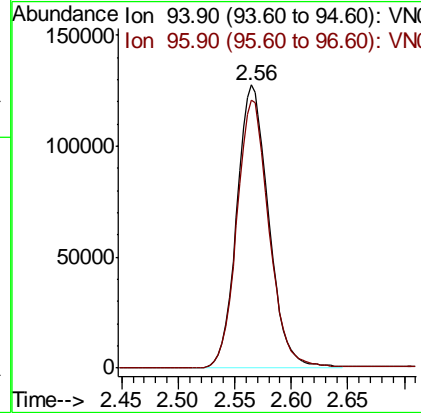
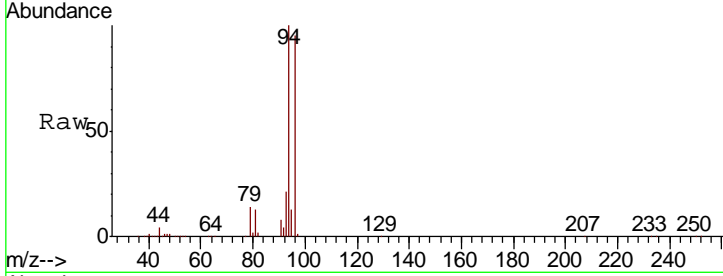


#5
 Bromomethane
 Concen: 49.26 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
94	100		
96	94.6	74.0	111.0

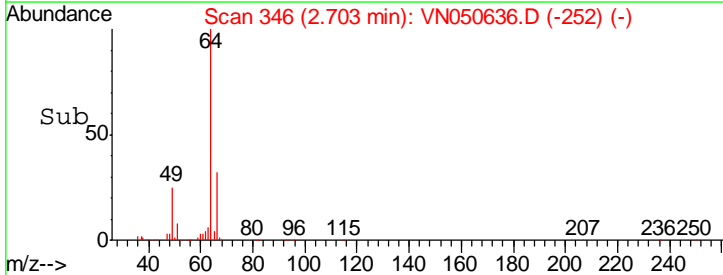
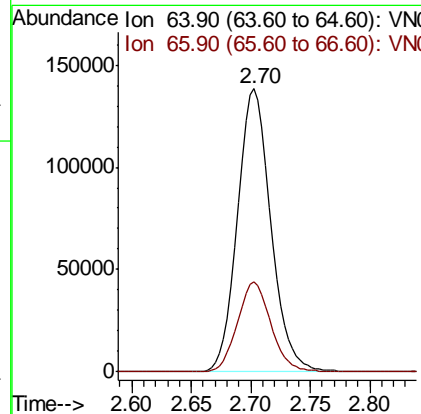
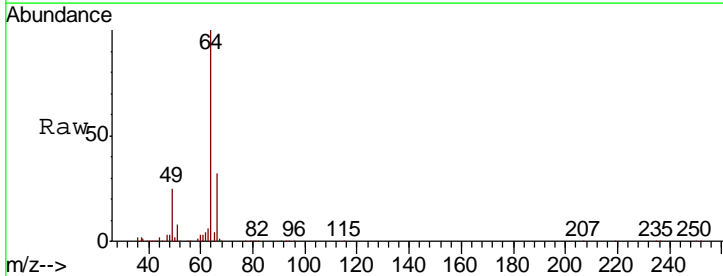
Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)MS

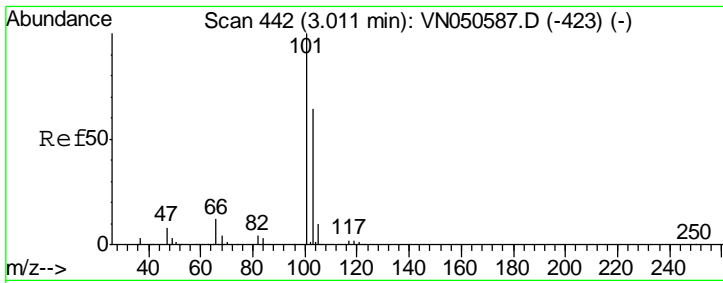
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#6
 Chloroethane
 Concen: 50.90 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.9	25.7	38.5





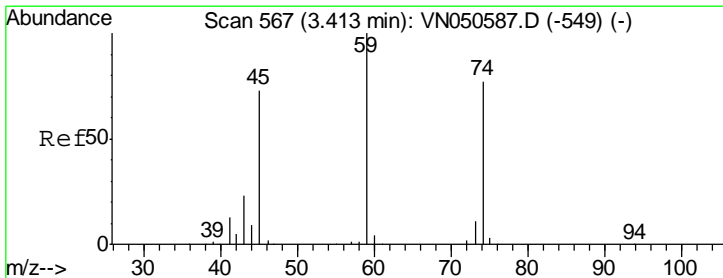
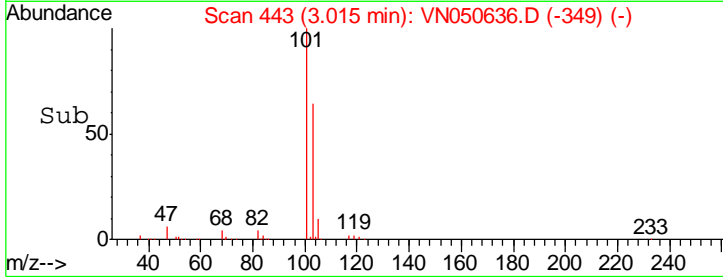
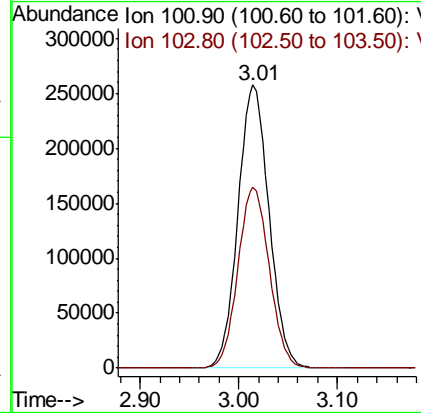
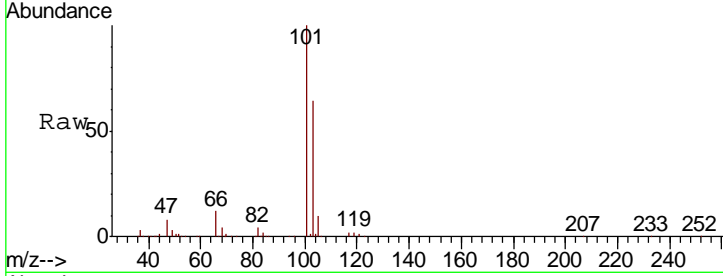
#7
 Trichlorofluoromethane
 Concen: 45.24 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)MS

Tgt Ion	Resp	Lower	Upper
101	563492		
103	64.1	51.4	77.0

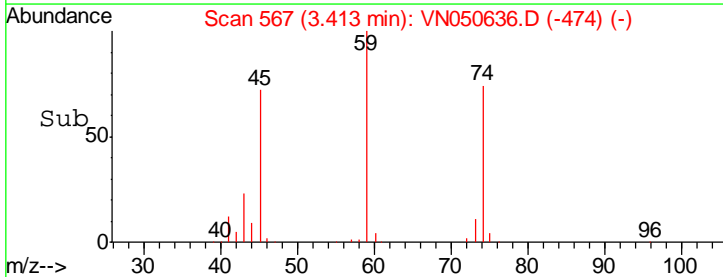
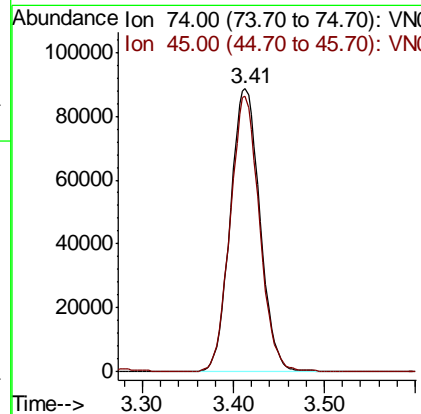
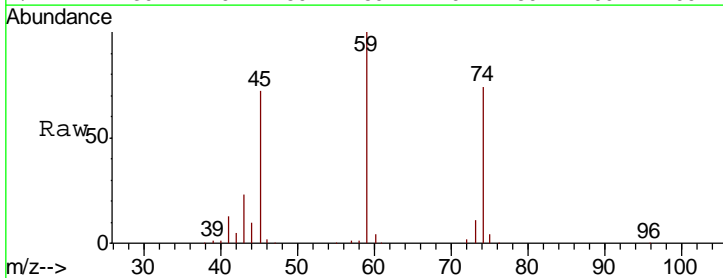
Manual Integrations
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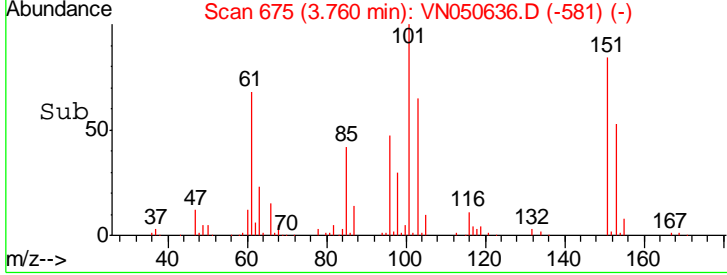
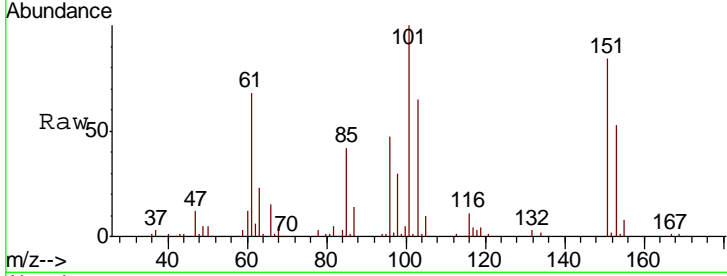
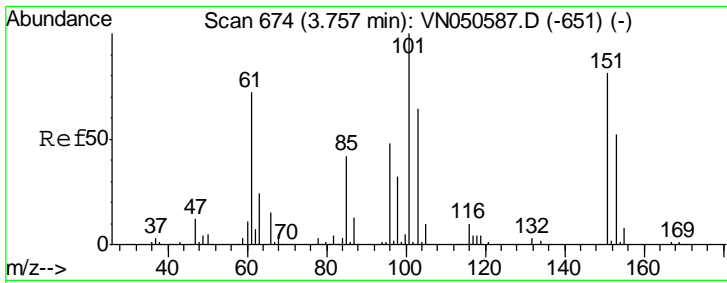
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#8
 Diethyl Ether
 Concen: 48.41 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
74	200594		
45	95.1	48.0	144.2



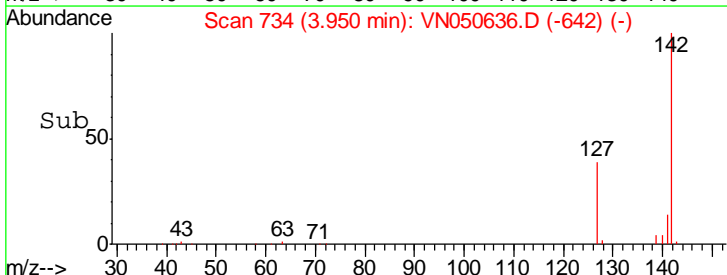
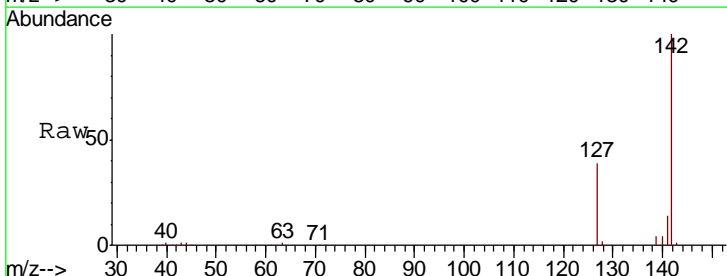
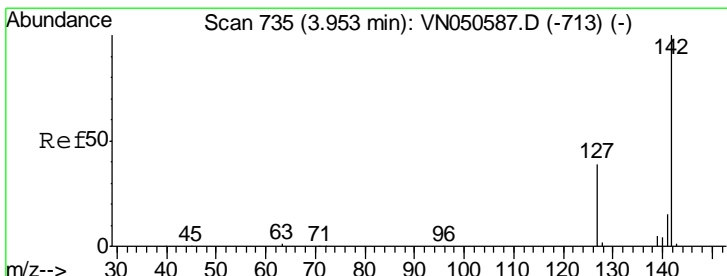
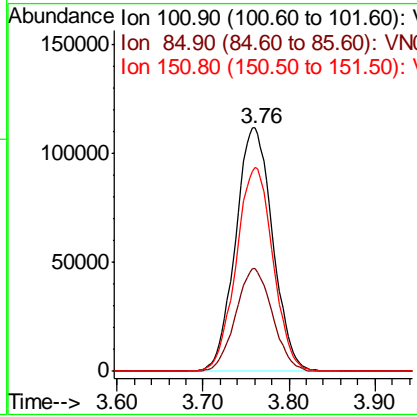


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.41 ug/l
 RT: 3.76 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
101	100		
85	41.9	33.4	50.0
151	83.0	66.6	100.0

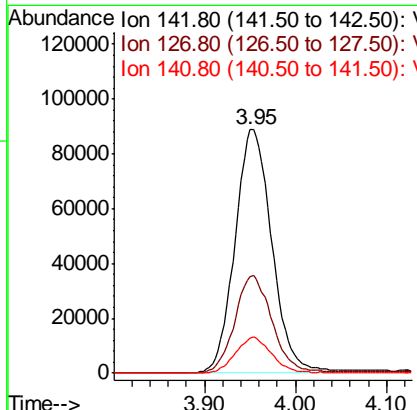
Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)MS

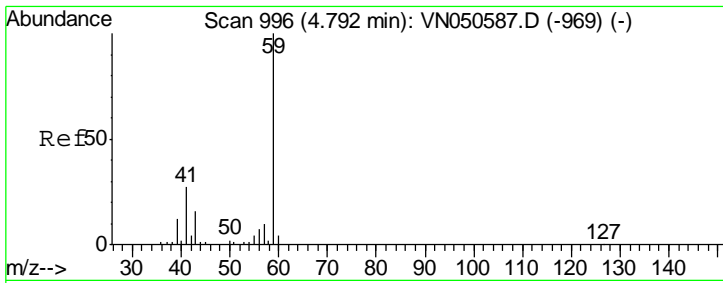
Manual Integrations
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#10
 Methyl Iodide
 Concen: 47.25 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
142	100		
127	40.5	32.6	49.0
141	14.4	11.5	17.3



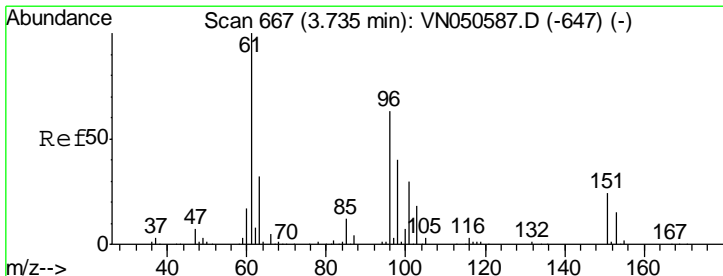
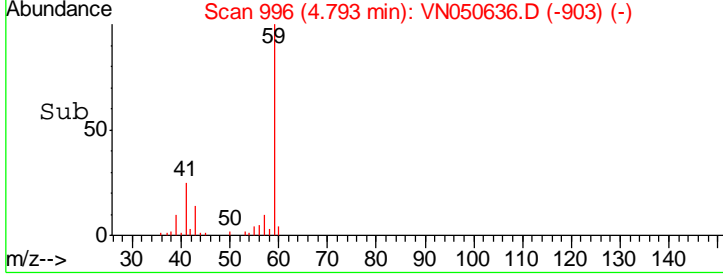
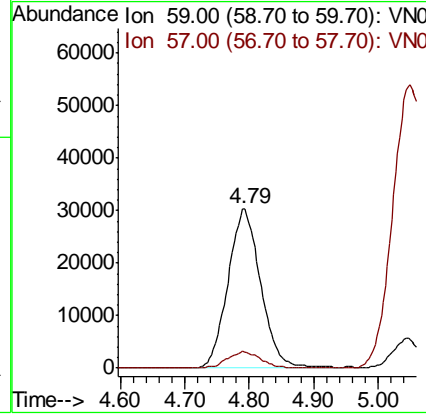
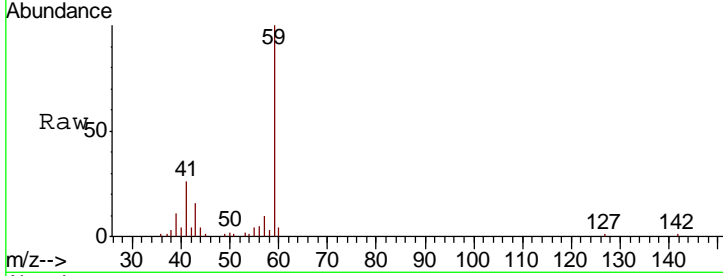


#11
 Tert butyl alcohol
 Concen: 246.25 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
59	107435		
57	10.4	8.4	12.6

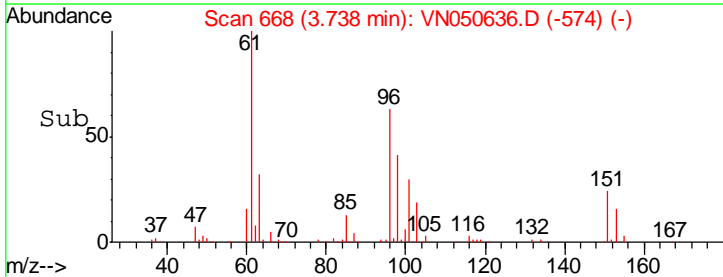
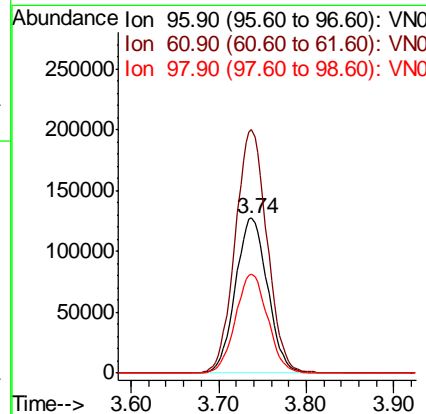
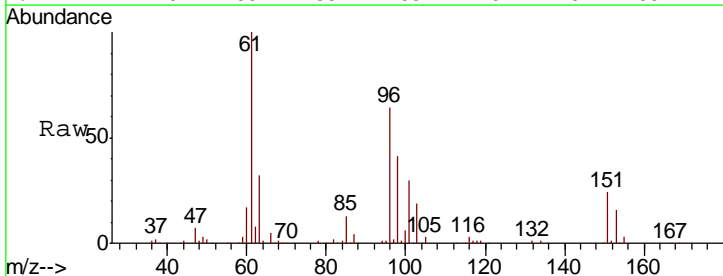
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

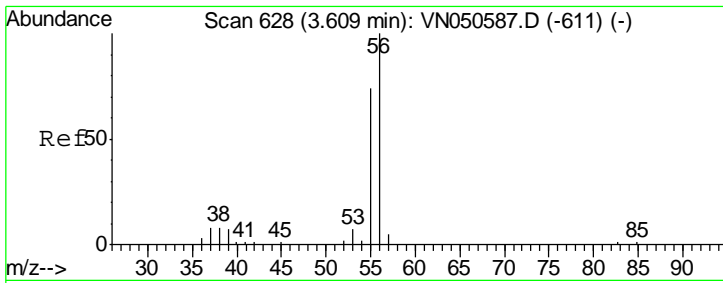
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#12
 1,1-Dichloroethene
 Concen: 47.26 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

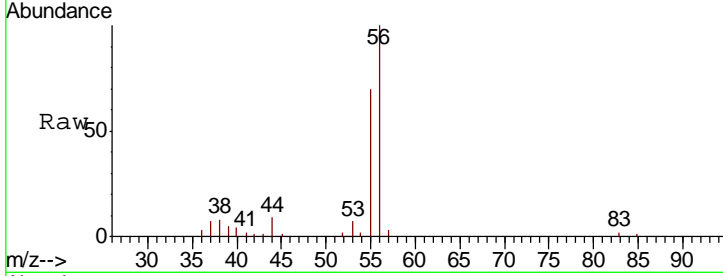
Tgt Ion	Resp	Lower	Upper
96	325048		
61	157.3	126.9	190.3
98	64.2	51.1	76.7





#13
 Acrolein
 Concen: 220.87 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

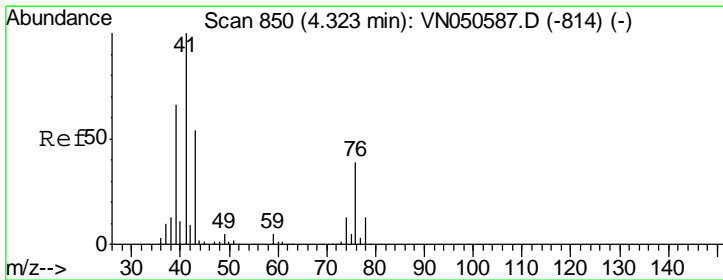
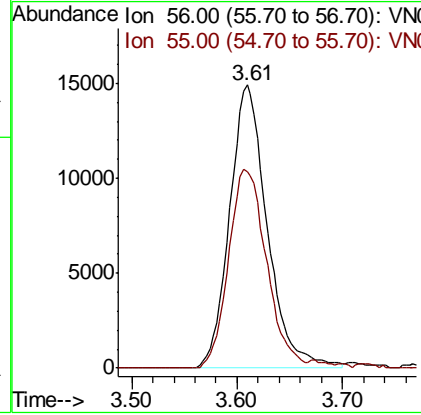
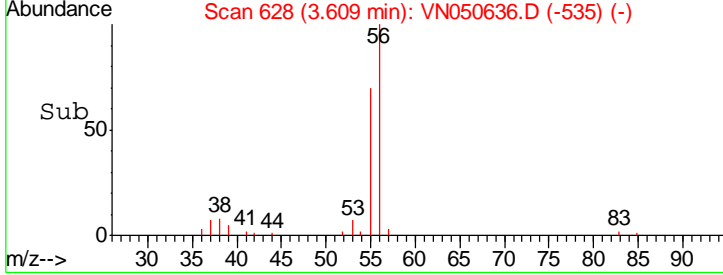
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS



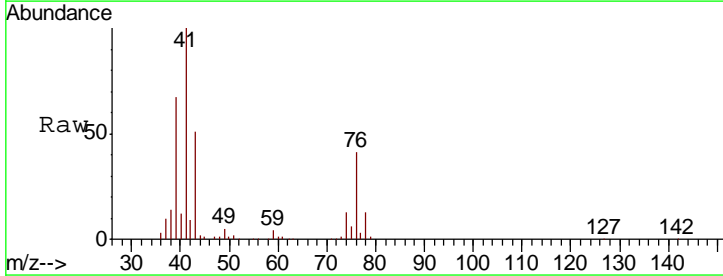
Tgt Ion: 56 Resp: 36908

Ion	Ratio	Lower	Upper
56	100		
55	70.7	56.3	84.5

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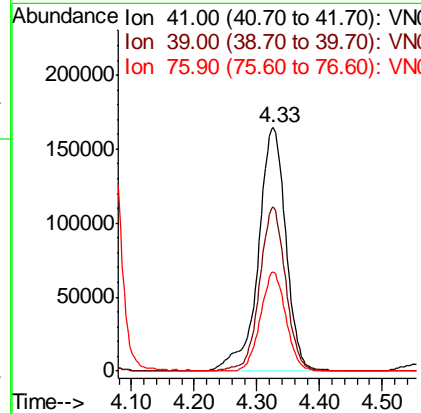
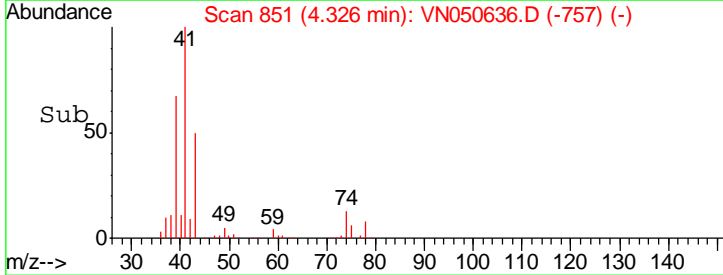


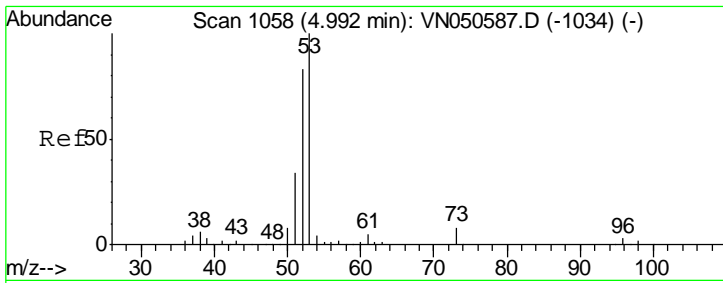
#14
 Allyl chloride
 Concen: 47.11 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59



Tgt Ion: 41 Resp: 504061

Ion	Ratio	Lower	Upper
41	100		
39	63.5	51.4	77.0
76	37.2	29.4	44.0





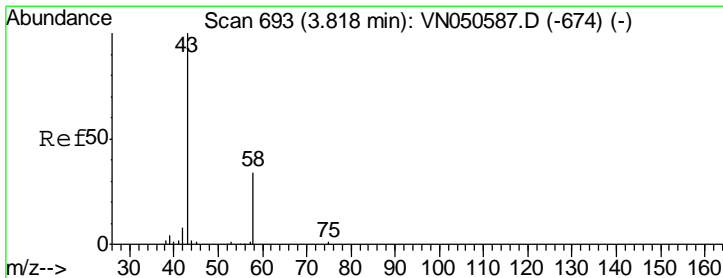
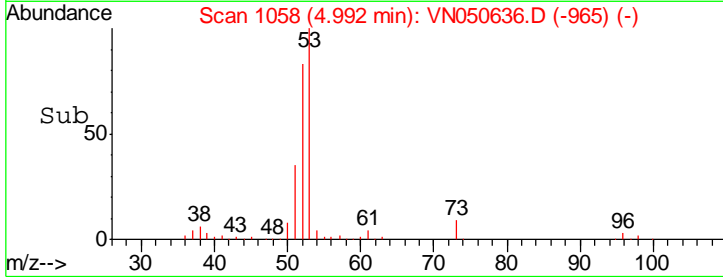
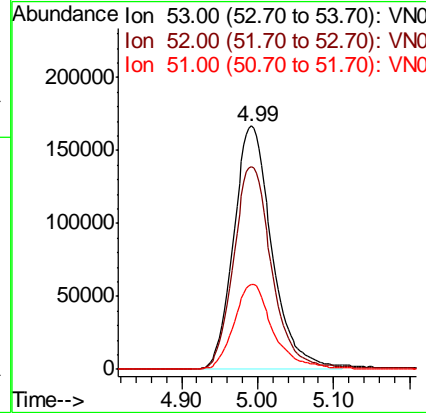
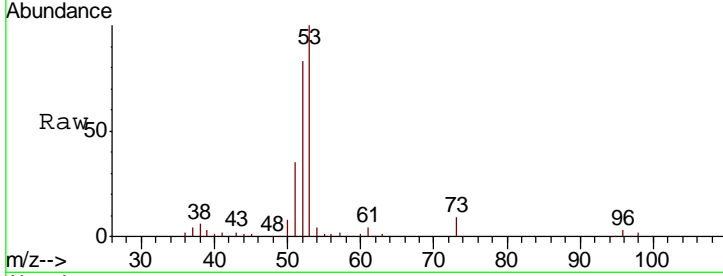
#15
 Acrylonitrile
 Concen: 243.58 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 Client Sampled :
 944-MW-05(17)MS

Tgt Ion	Resp	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	35.9	28.6	43.0

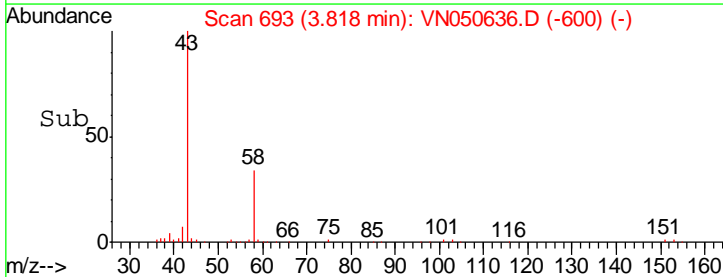
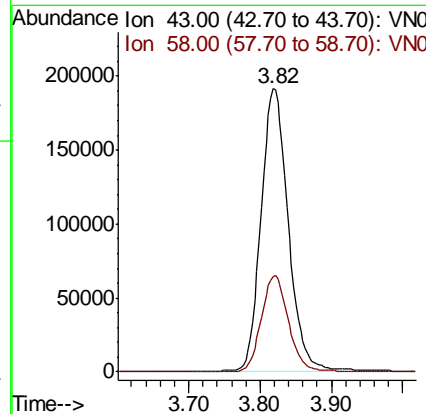
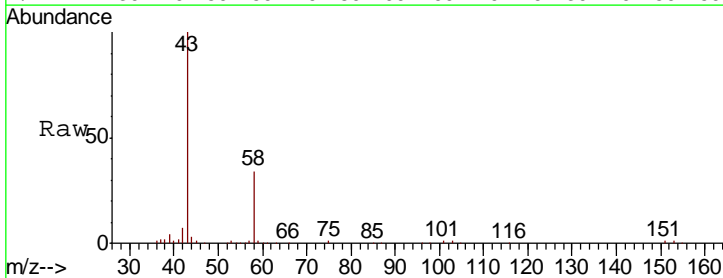
Manual Integrations
 APPROVED

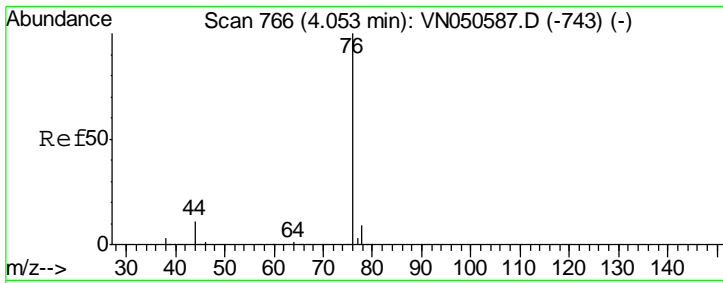
MMDadoda
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#16
 Acetone
 Concen: 254.60 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.7	27.1	40.7



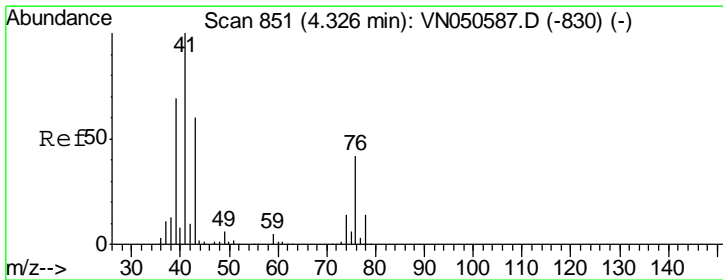
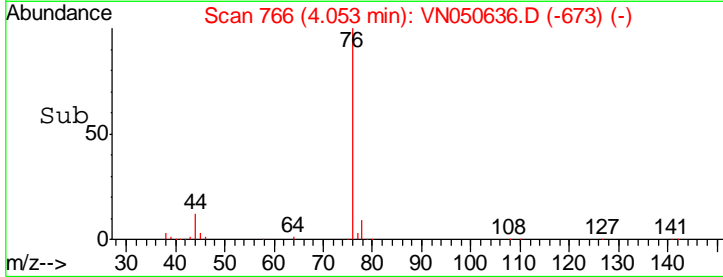
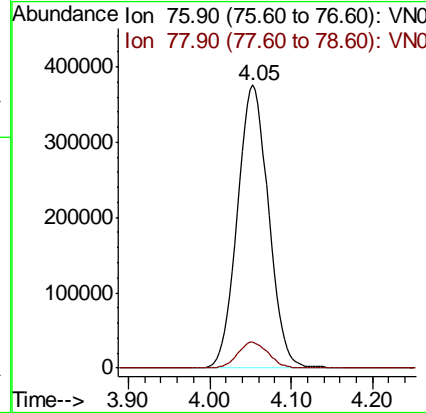
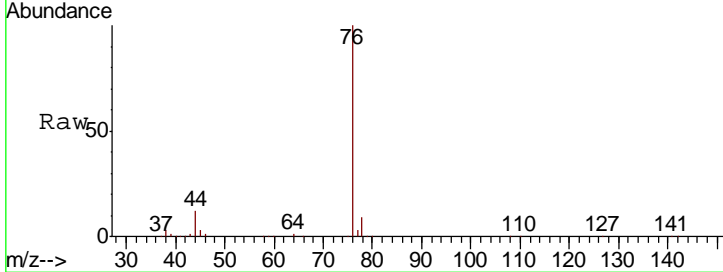


#17
 Carbon Disulfide
 Concen: 46.07 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
76	100		
78	9.3	7.3	10.9

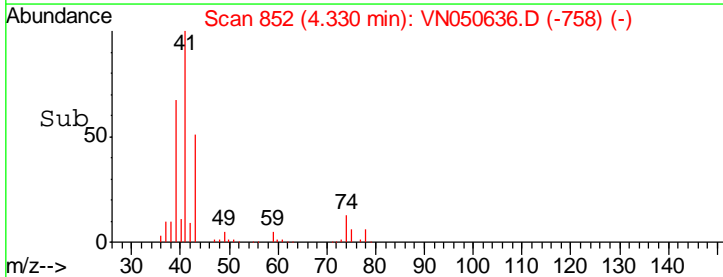
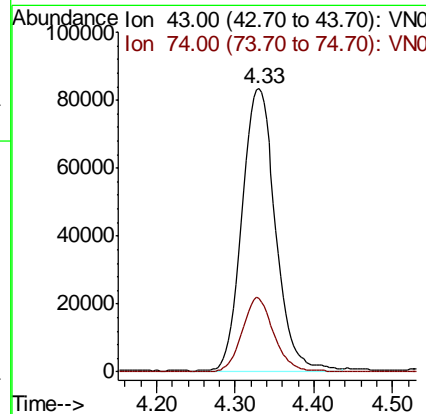
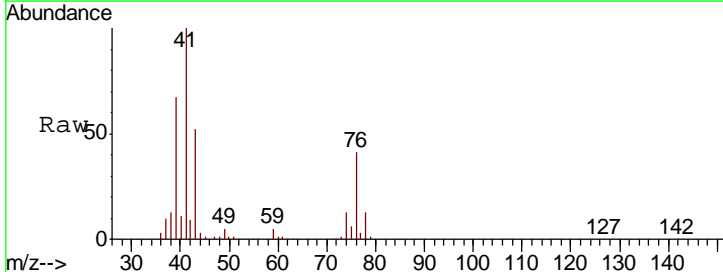
Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)MS

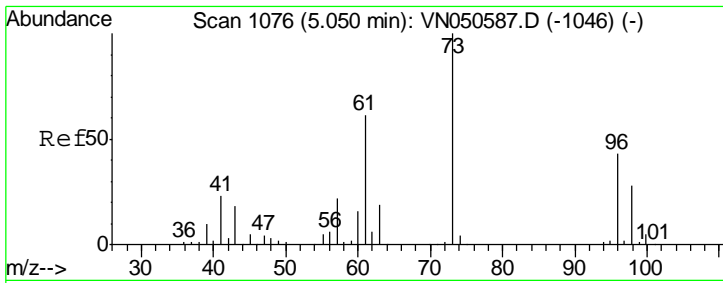
Manual Integrations
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 MMDadoda
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#18
 Methyl Acetate
 Concen: 44.13 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
43	100		
74	25.2	19.7	29.5





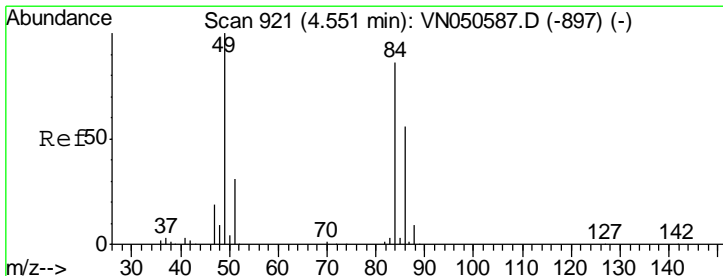
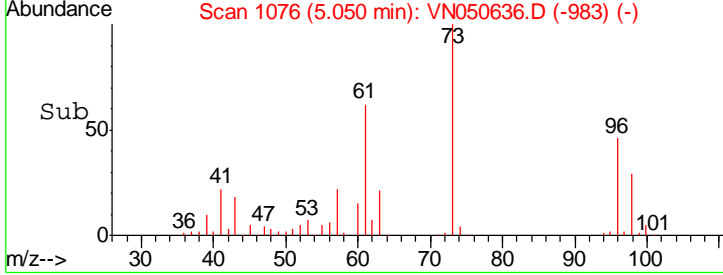
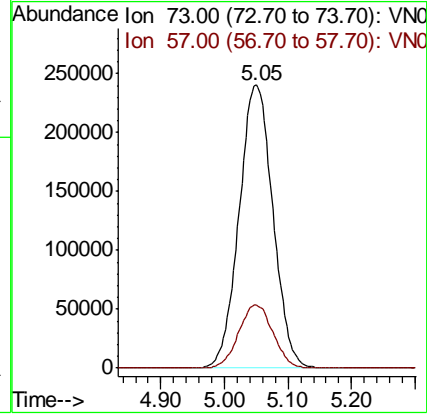
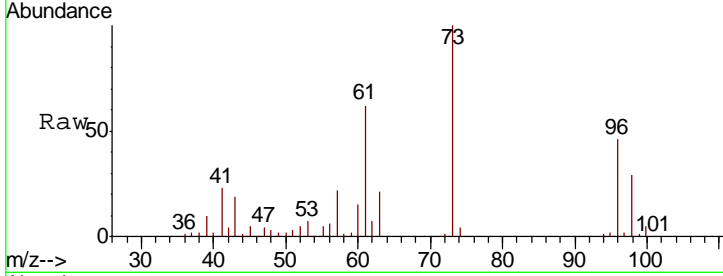
#19
 Methyl tert-butyl Ether
 Concen: 50.75 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion: 73 Resp: 888315

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

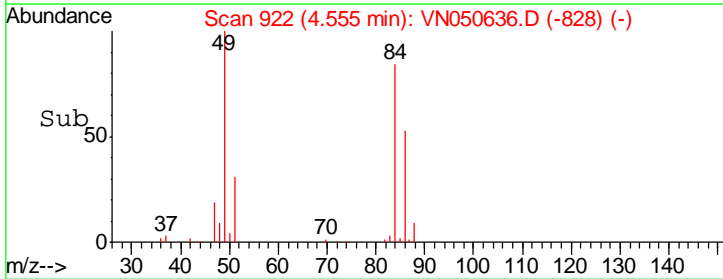
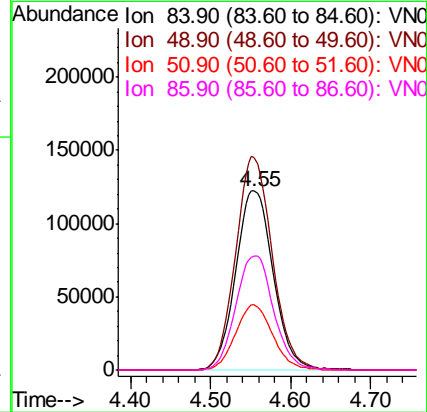
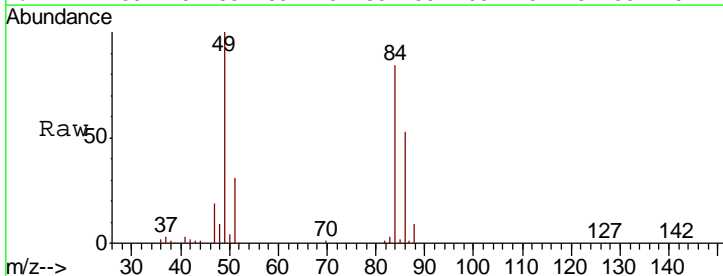
Manual Integrations APPROVED
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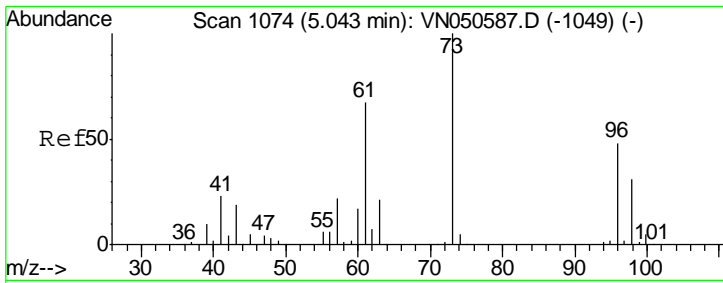


#20
 Methylene Chloride
 Concen: 51.32 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion: 84 Resp: 389475

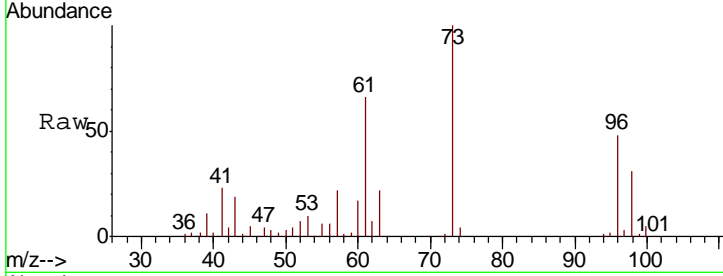
Ion	Ratio	Lower	Upper
84	100		
49	119.0	92.6	138.8
51	36.6	28.6	43.0
86	63.5	52.2	78.2





#21
 trans-1,2-Dichloroethene
 Concen: 48.39 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

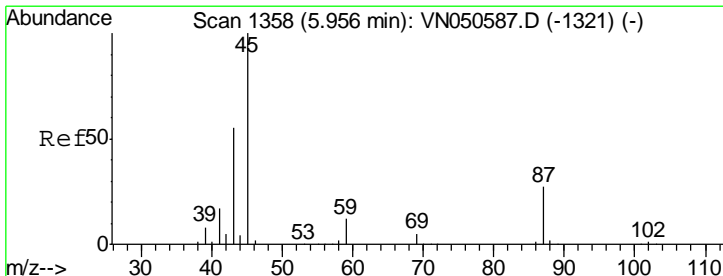
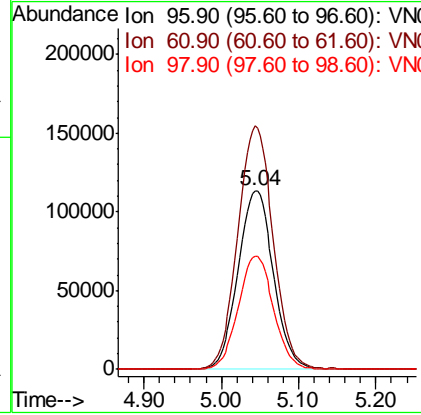
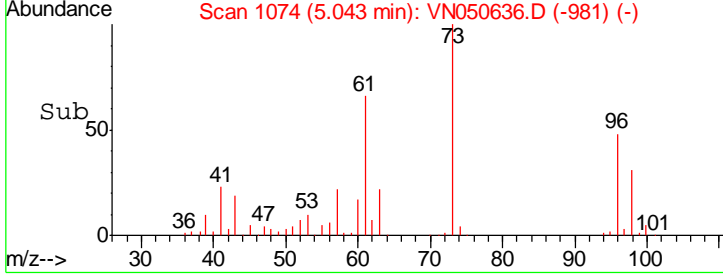
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS



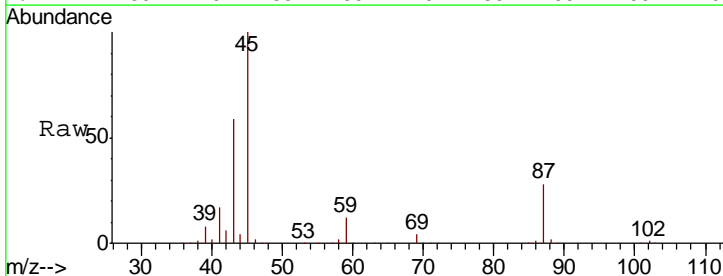
Tgt Ion: 96 Resp: 360829

Ion	Ratio	Lower	Upper
96	100		
61	136.1	111.2	166.8
98	63.5	51.6	77.4

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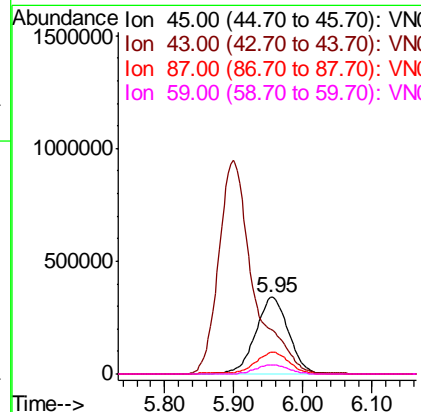
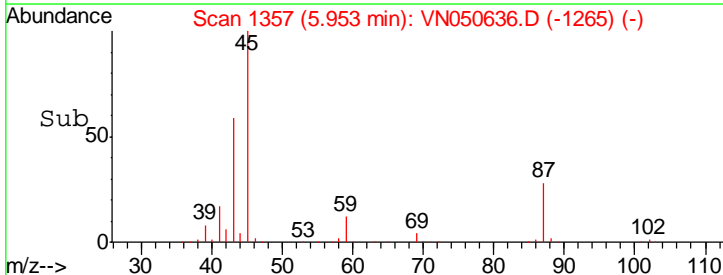


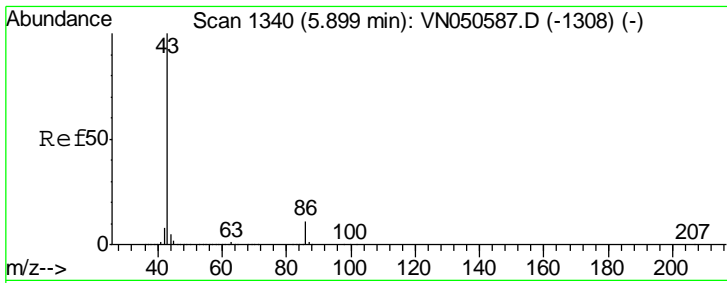
#22
 Diisopropyl ether
 Concen: 51.26 ug/l
 RT: 5.95 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59



Tgt Ion: 45 Resp: 1124442

Ion	Ratio	Lower	Upper
45	100		
43	57.8	44.5	66.7
87	27.8	22.2	33.2
59	12.2	9.5	14.3





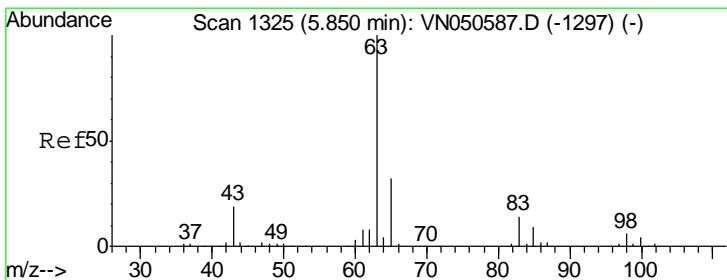
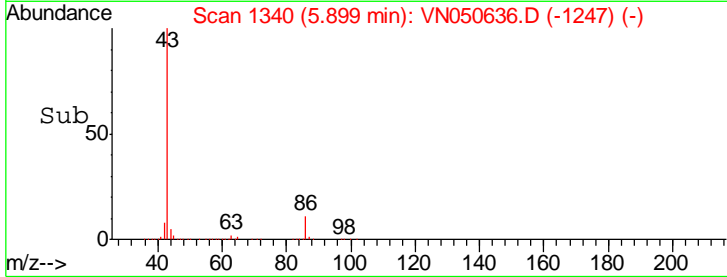
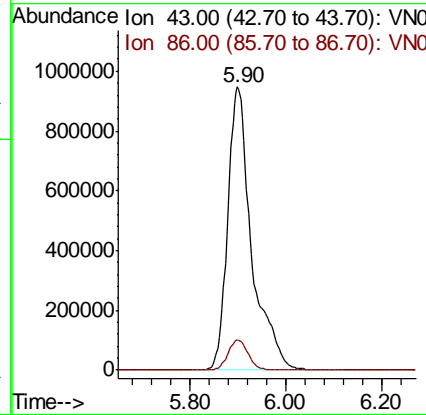
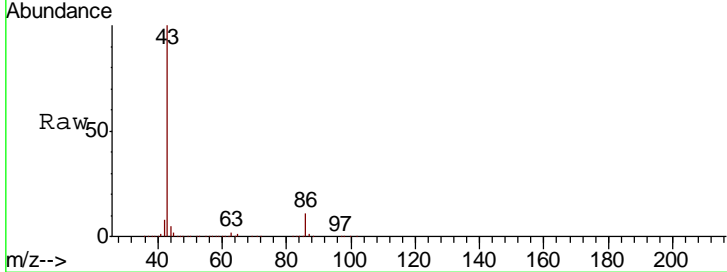
#23
 Vinyl Acetate
 Concen: 229.93 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)MS

Tgt Ion: 43 Resp: 3299326

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.4	12.6

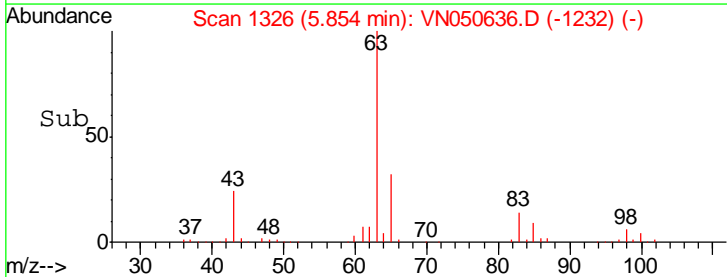
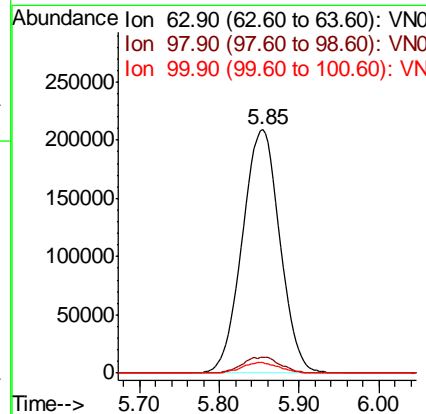
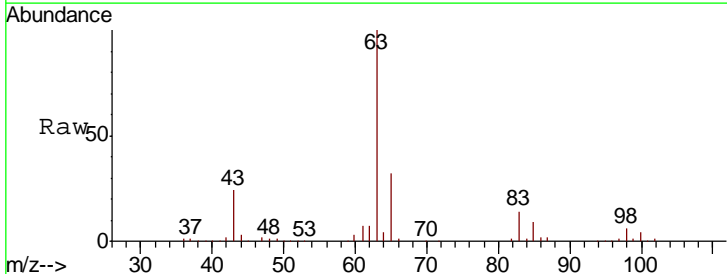
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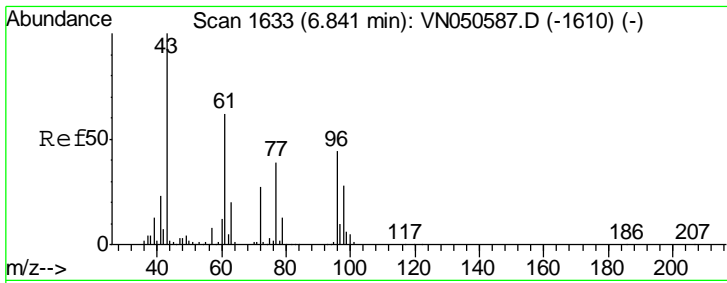


#24
 1,1-Dichloroethane
 Concen: 46.99 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion: 63 Resp: 666921

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	4.1	2.1	6.5





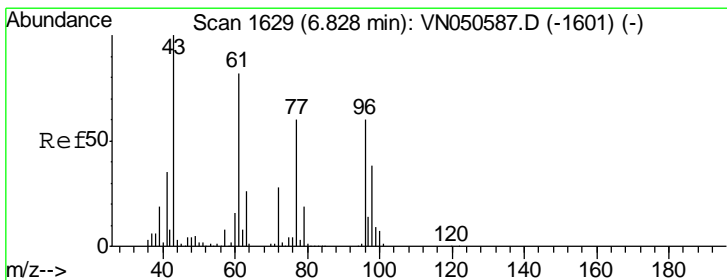
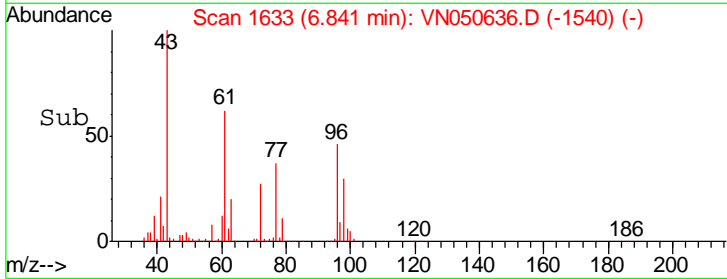
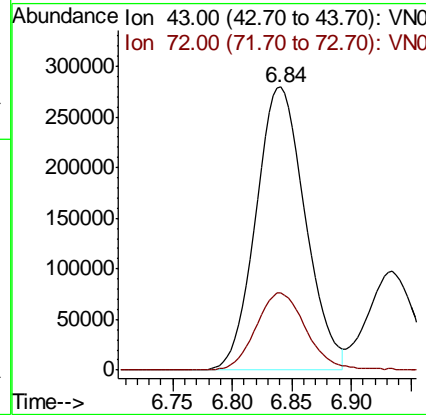
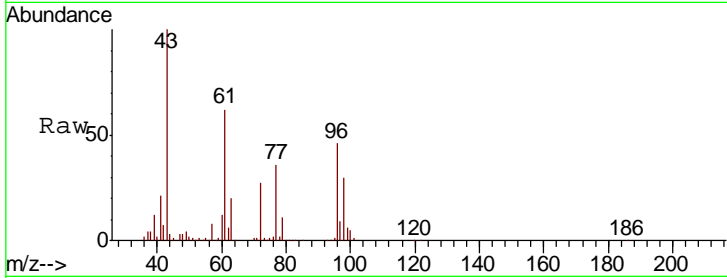
#25
 2-Butanone
 Concen: 244.76 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.1	21.8	32.6

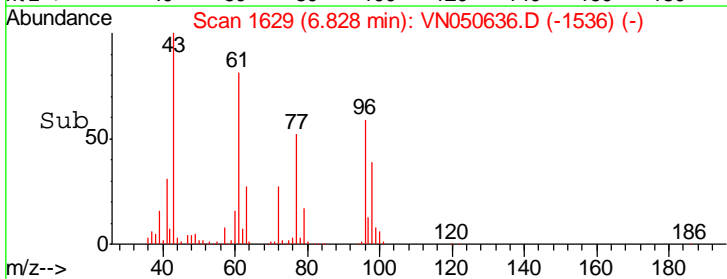
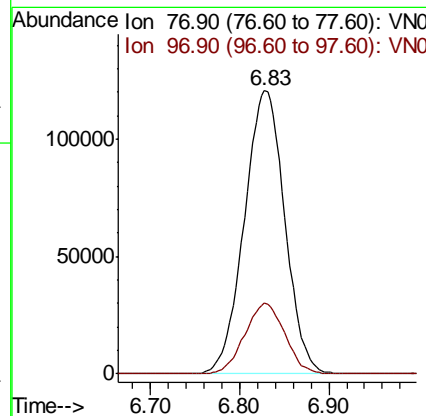
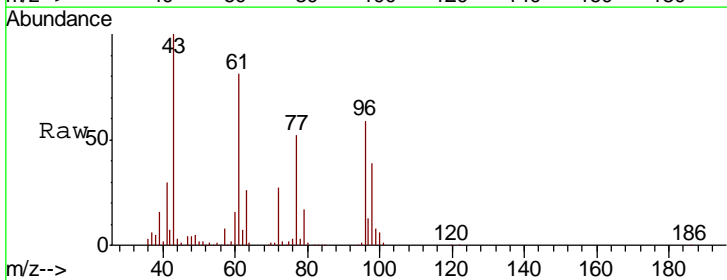
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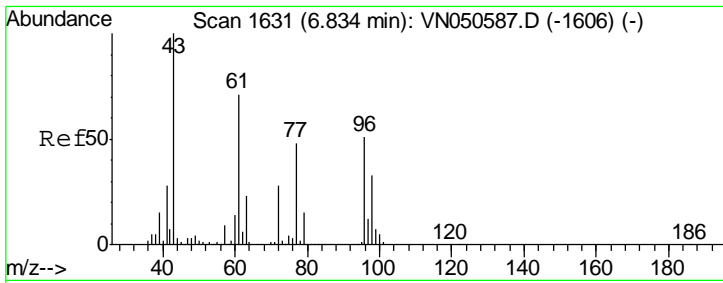
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#26
 2,2-Dichloropropane
 Concen: 39.97 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.7	12.2	36.4





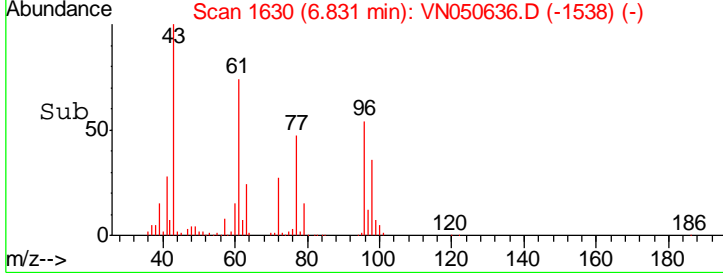
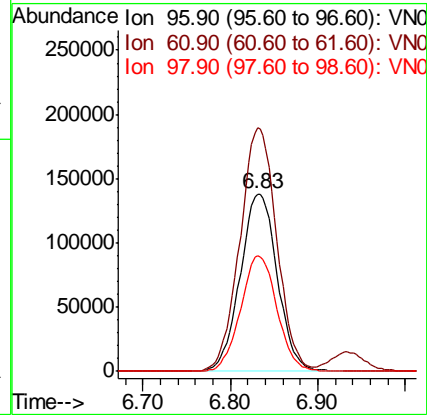
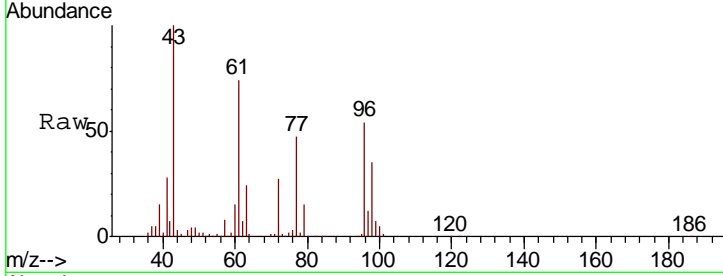
#27
 cis-1,2-Dichloroethene
 Concen: 48.76 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)MS

Tgt Ion	Resp	Lower	Upper
96	404891		
96	100		
61	136.5	0.0	278.2
98	64.0	0.0	128.8

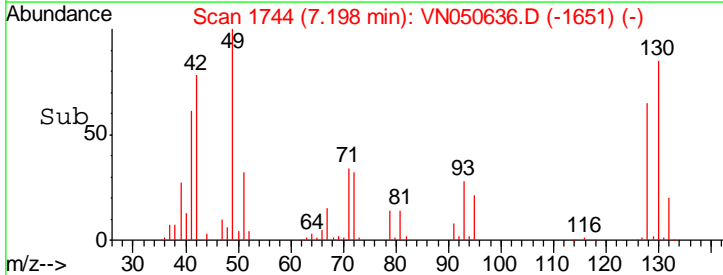
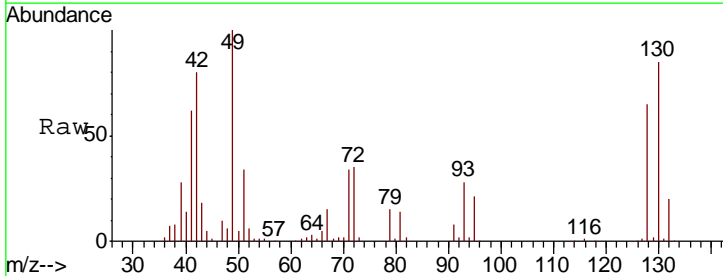
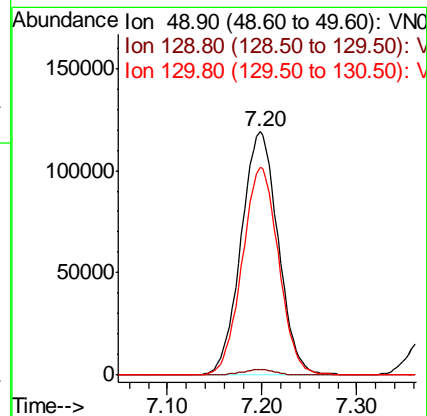
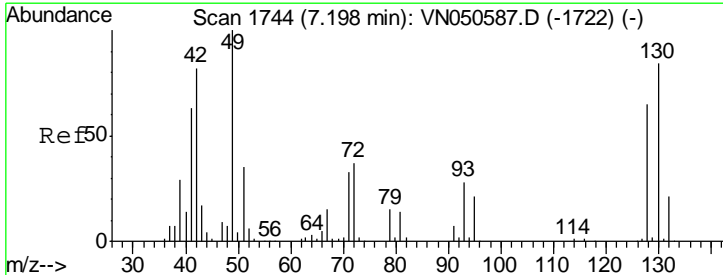
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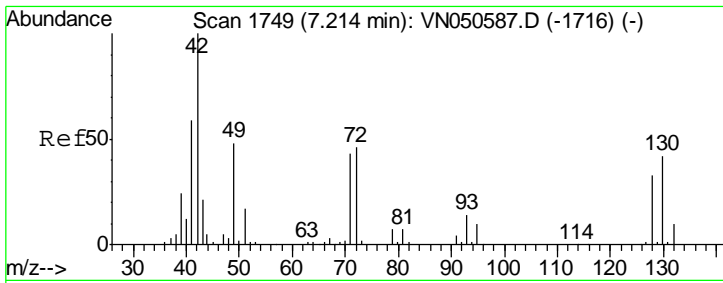
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#28
 Bromochloromethane
 Concen: 50.19 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
49	324226		
49	100		
129	2.1	0.0	4.2
130	83.9	66.8	100.2





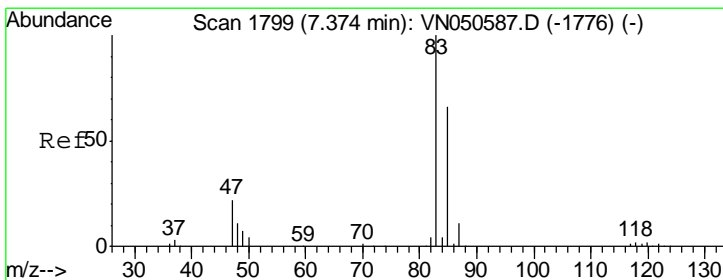
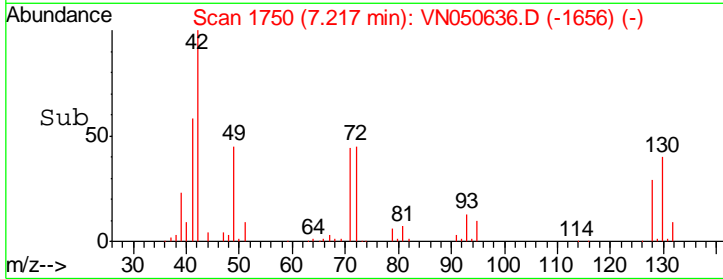
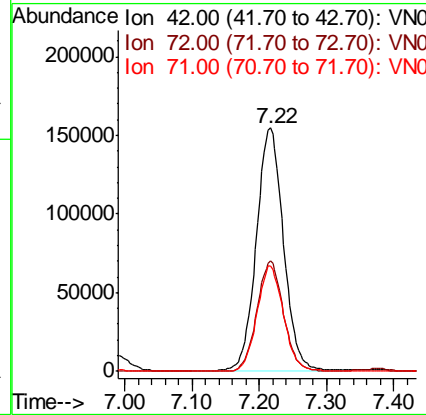
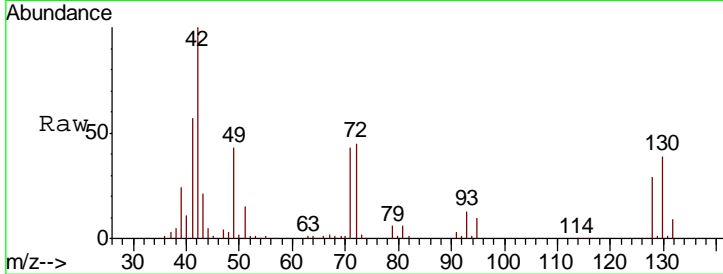
#29
 Tetrahydrofuran
 Concen: 253.24 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)MS

Tgt Ion	Resp	Lower	Upper
42	433191		
72	44.3	35.8	53.6
71	42.2	33.4	50.0

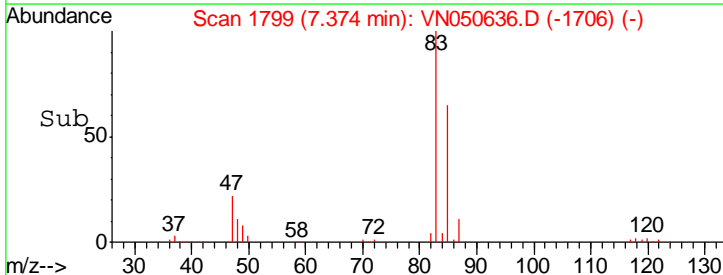
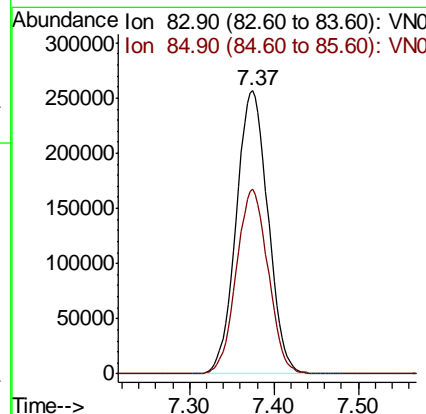
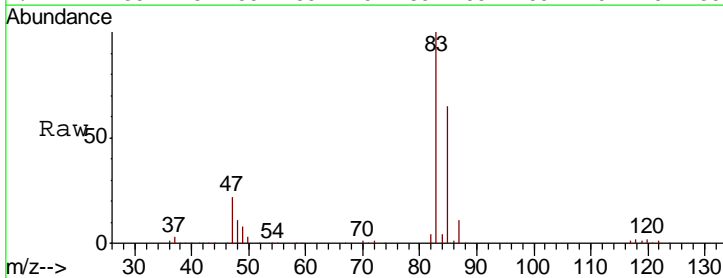
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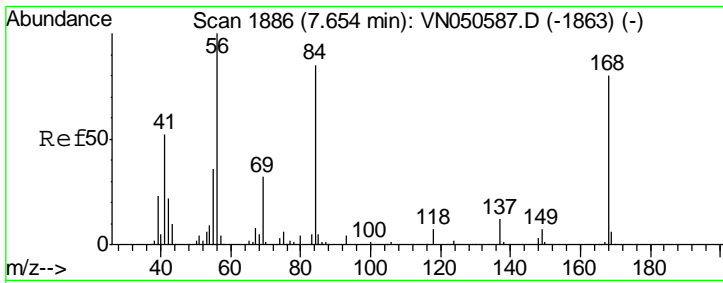
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#30
 Chloroform
 Concen: 46.83 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
83	673614		
85	65.2	52.5	78.7



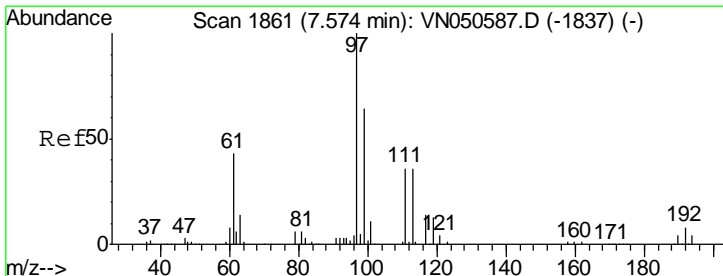
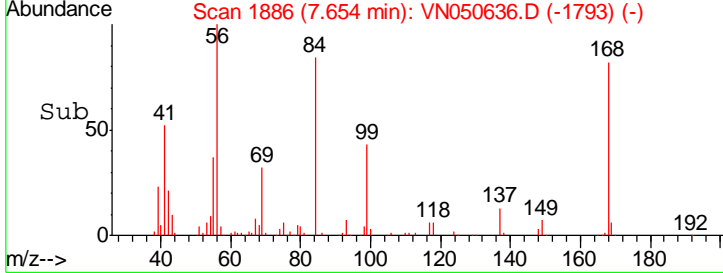
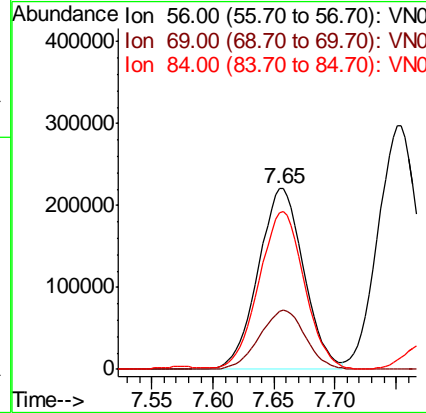
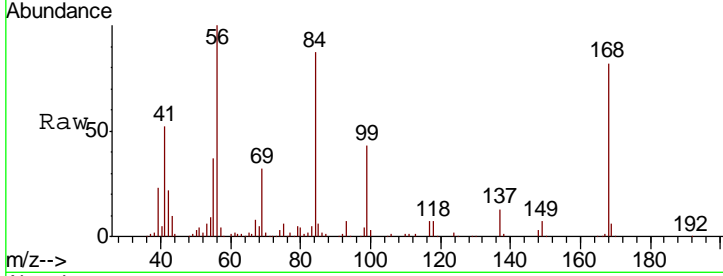


#31
 Cyclohexane
 Concen: 47.34 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampled :
 944-MW-05(17)MS

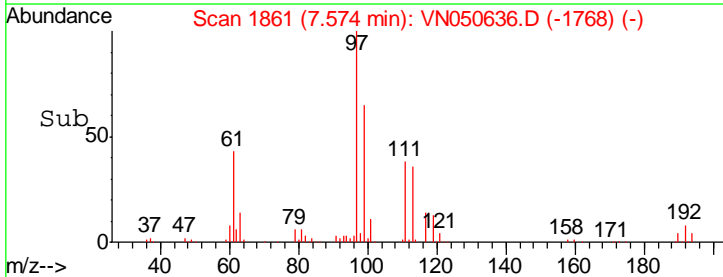
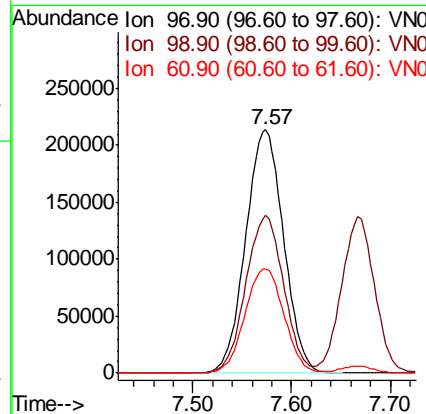
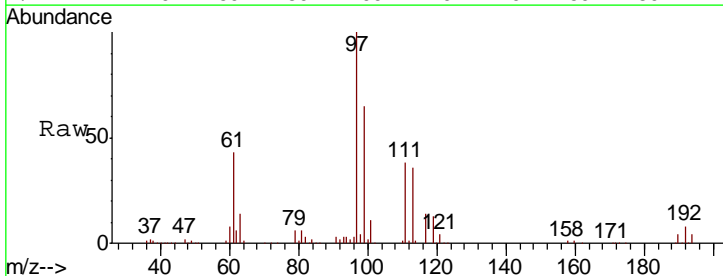
Tgt Ion	Resp	Lower	Upper
56	100		
69	32.0	25.8	38.6
84	85.6	67.8	101.6

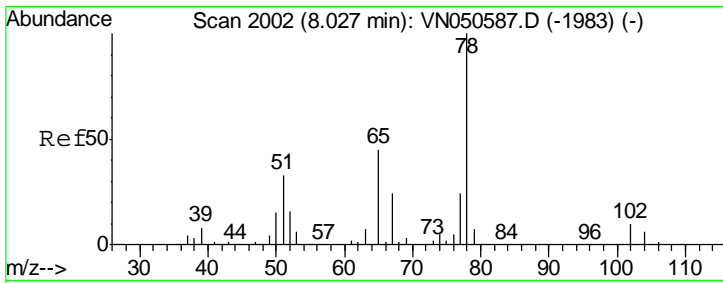
Manual Integrations
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#32
 1,1,1-Trichloroethane
 Concen: 46.96 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.7	51.1	76.7
61	44.1	34.8	52.2



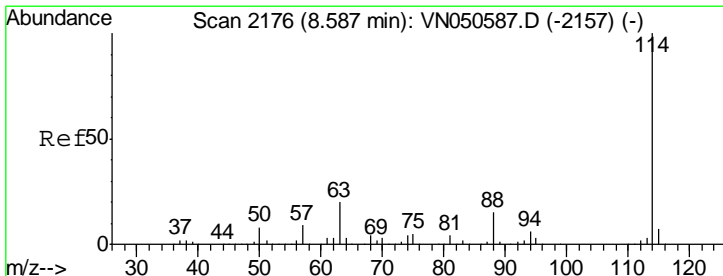
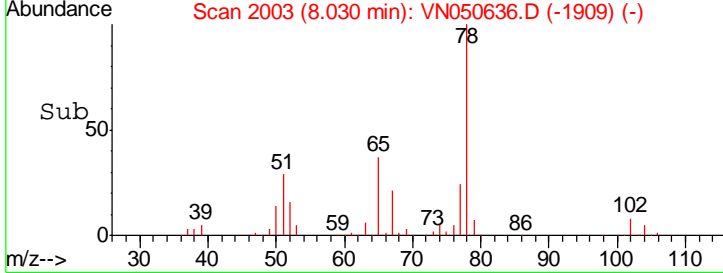
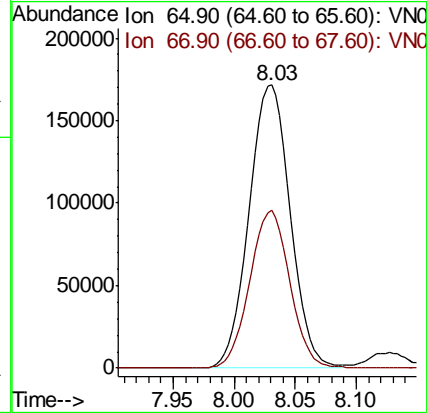
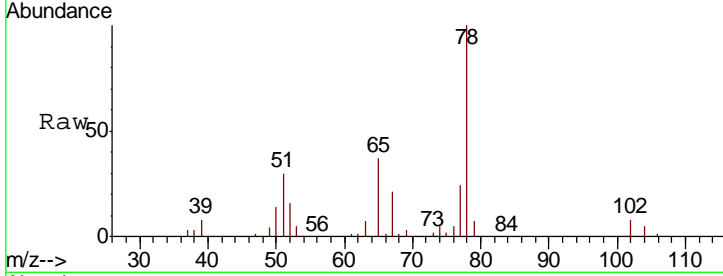


#33
 1,2-Dichloroethane-d4
 Concen: 50.14 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument :
 MSVOA_N
 ClientSampled :
 944-MW-05(17)MS

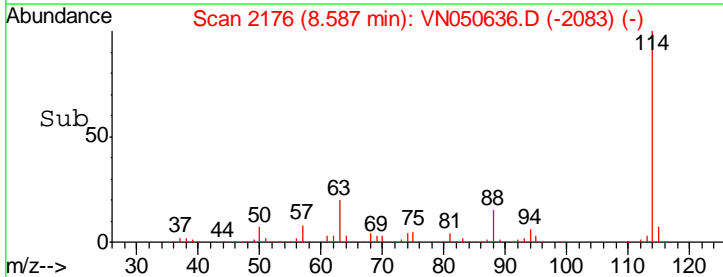
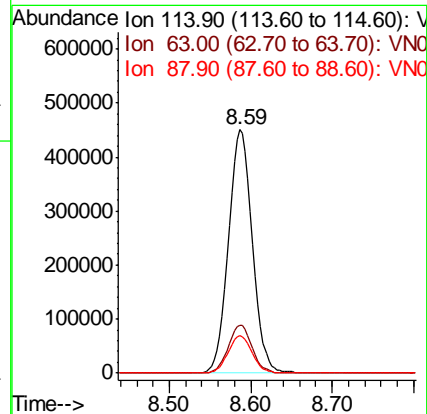
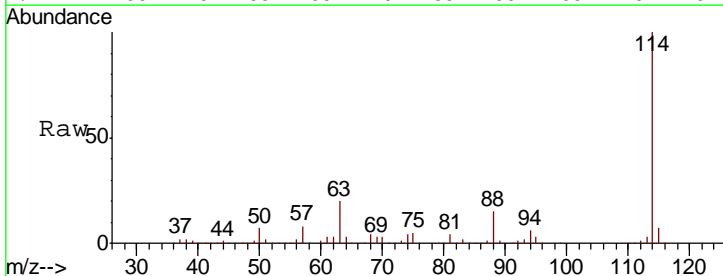
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.5	0.0	109.8

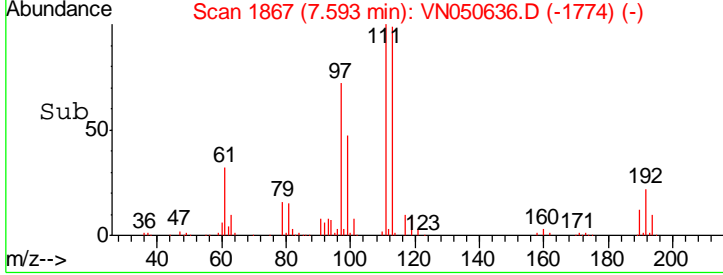
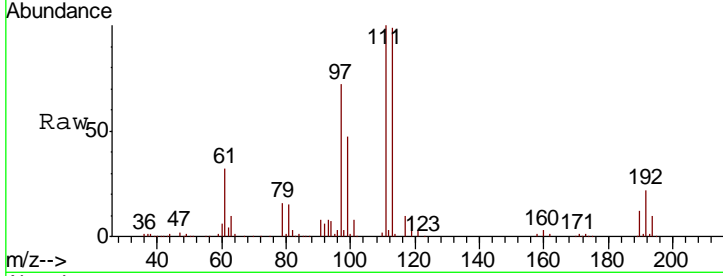
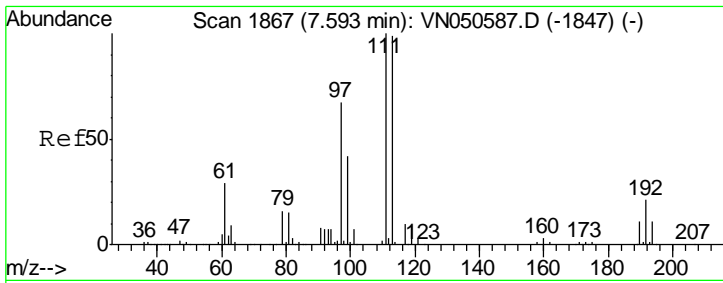
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	15.4	0.0	30.8



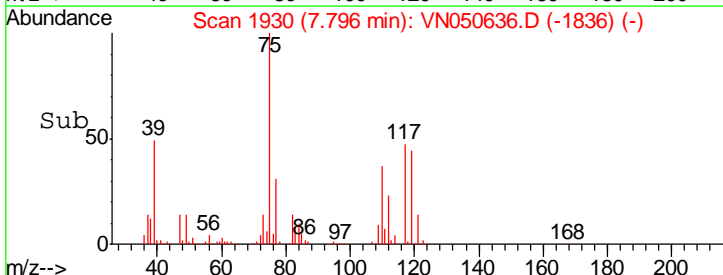
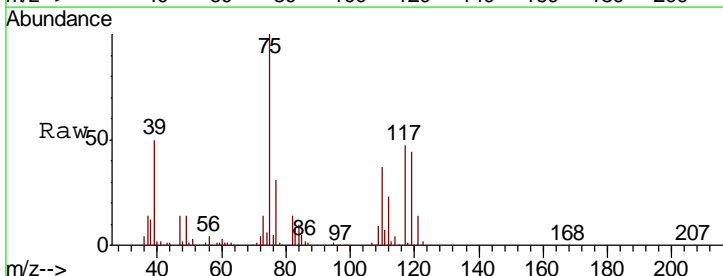
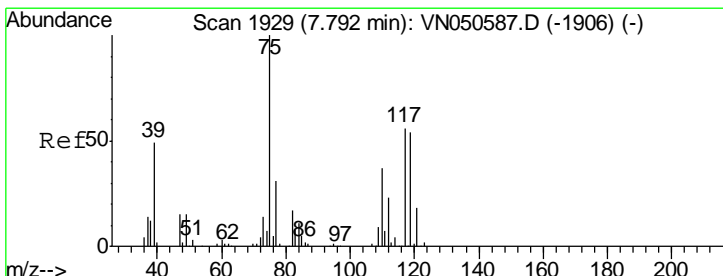
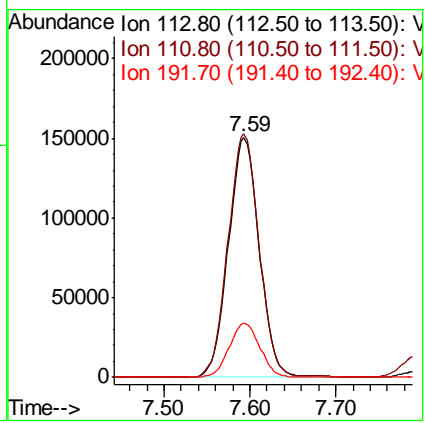


#35
 Dibromofluoromethane
 Concen: 50.41 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.0	81.0	121.6
192	22.5	17.6	26.4

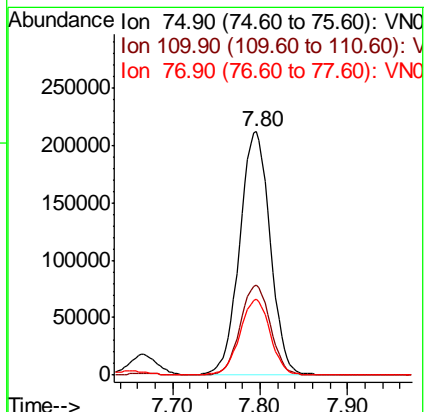
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

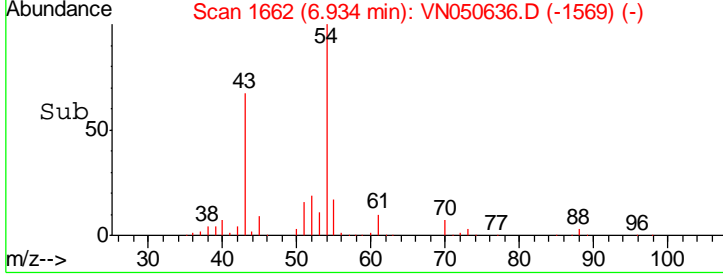
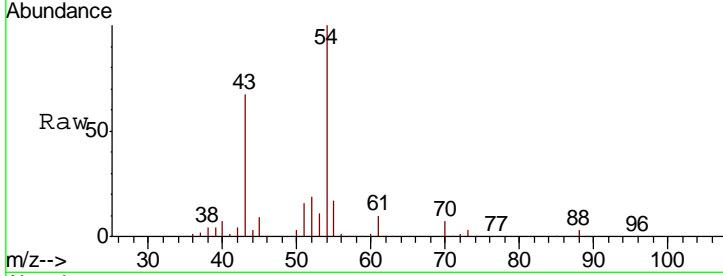
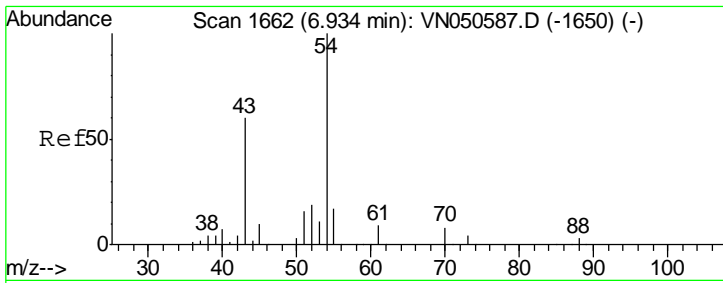
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 49.38 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
75	100		
110	36.6	18.3	54.9
77	31.2	25.0	37.4



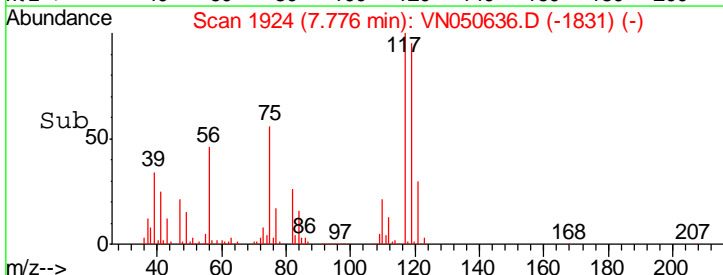
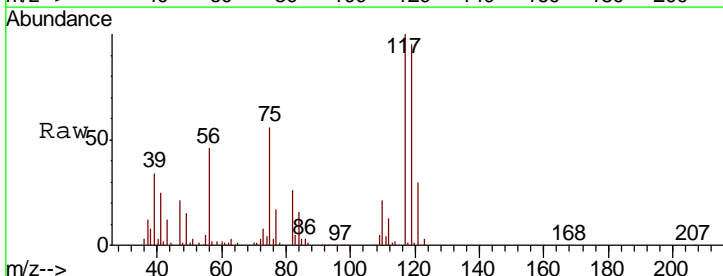
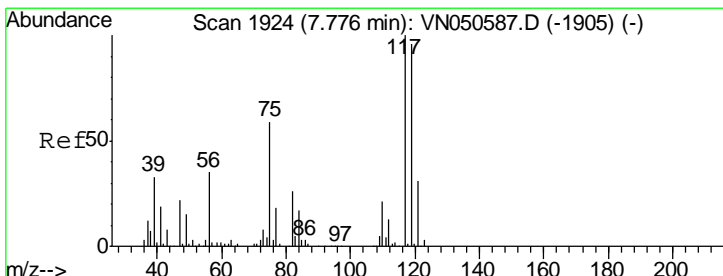
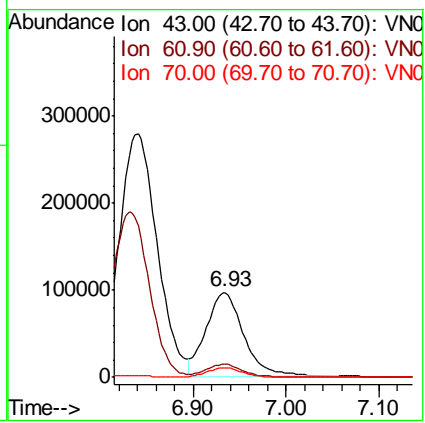


#37
 Ethyl Acetate
 Concen: 46.64 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
43	100		
61	15.3	12.0	18.0
70	10.8	8.5	12.7

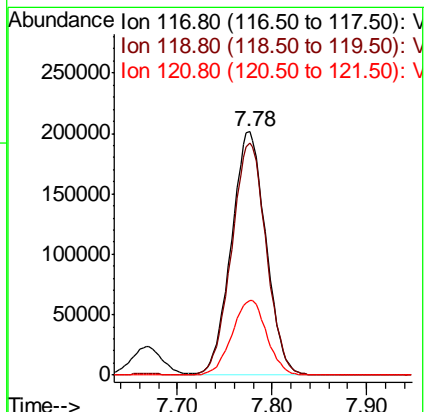
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

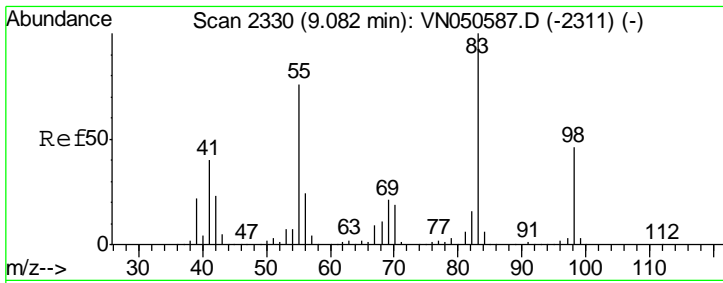
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#38
 Carbon Tetrachloride
 Concen: 47.51 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.0	76.6	115.0
121	30.4	25.0	37.6





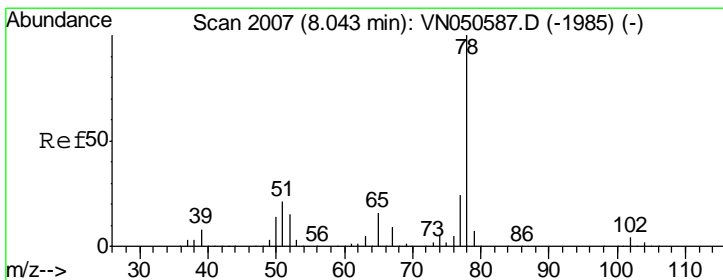
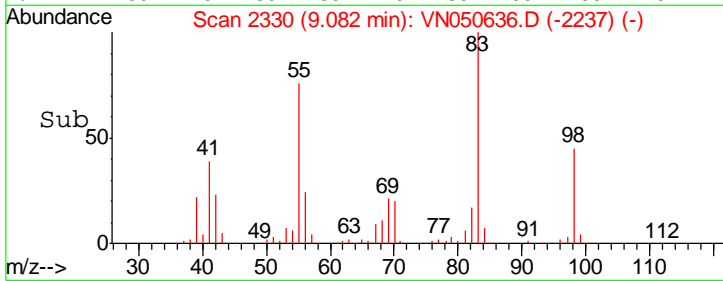
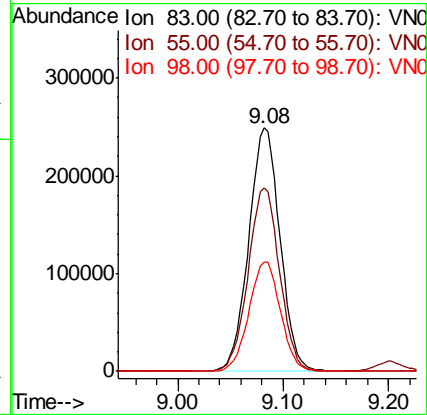
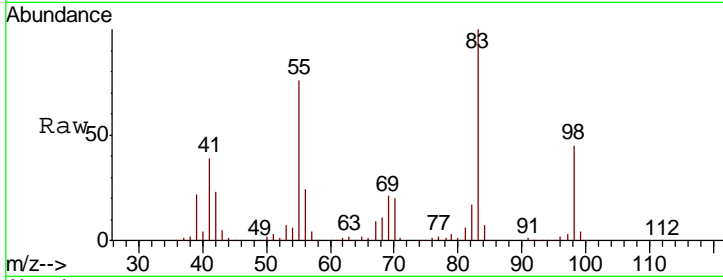
#39
 Methylcyclohexane
 Concen: 47.88 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

Tgt Ion	Resp	Lower	Upper
83	100		
55	75.6	60.6	91.0
98	45.1	37.0	55.4

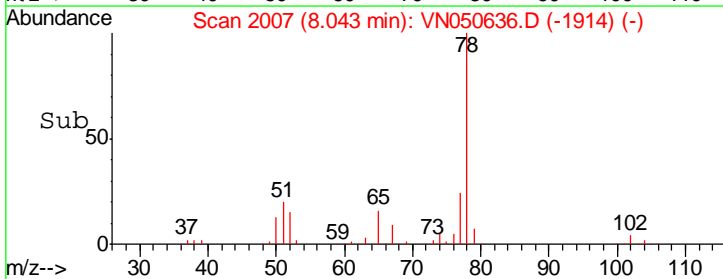
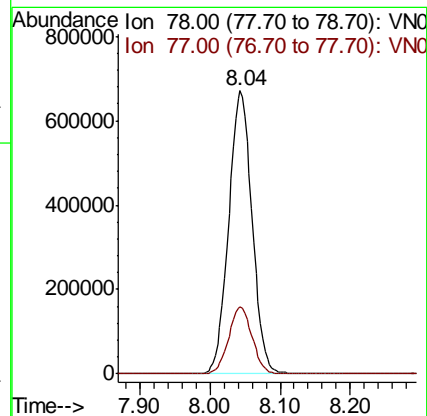
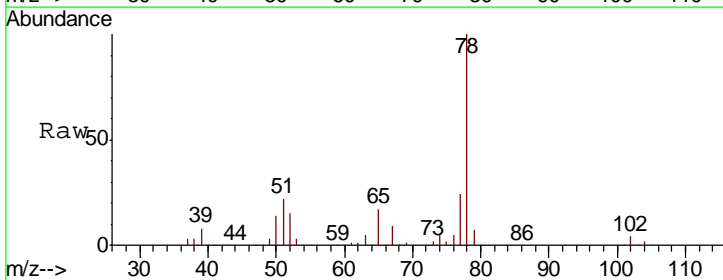
Manual Integrations
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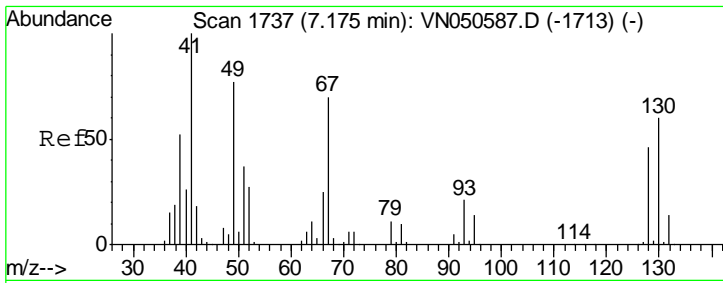
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#40
 Benzene
 Concen: 49.32 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

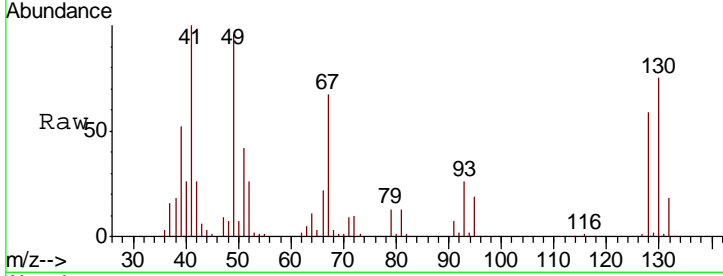
Tgt Ion	Resp	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41
 Methacrylonitrile
 Concen: 51.80 ug/l
 RT: 7.18 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

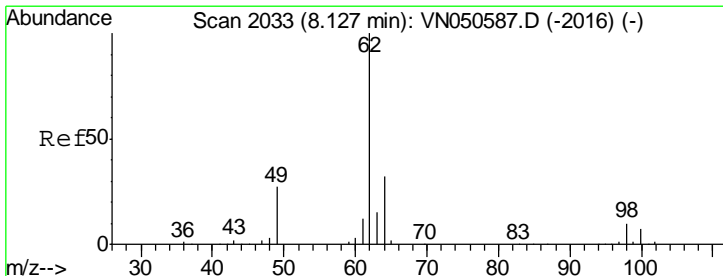
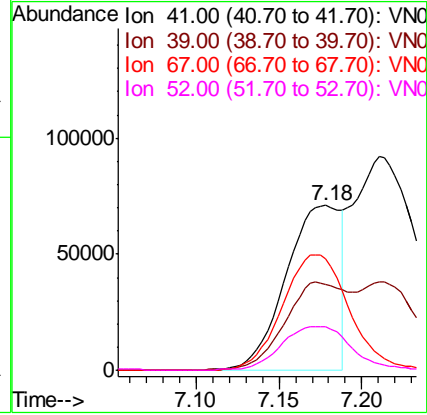
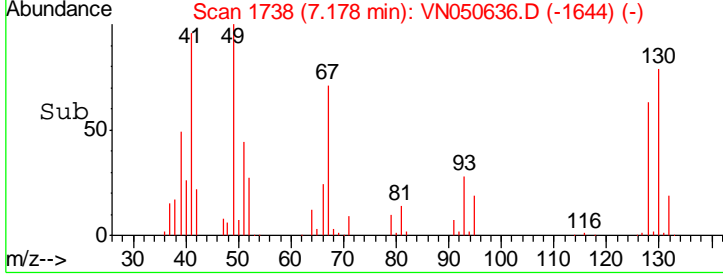
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS



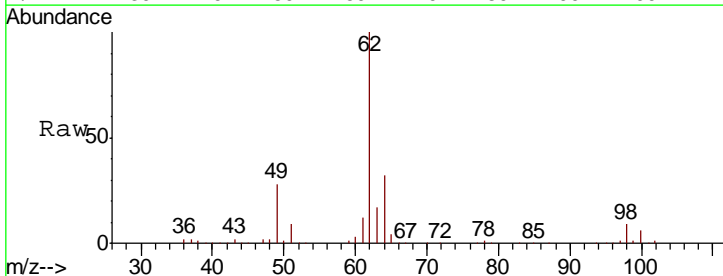
Tgt Ion: 41 Resp: 164274

Ion	Ratio	Lower	Upper
41	100		
39	60.9	44.6	66.8
67	85.1	66.7	100.1
52	32.9	26.5	39.7

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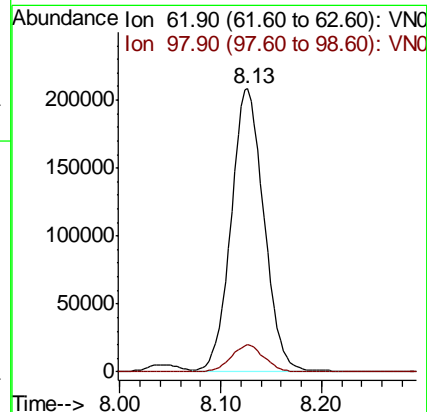
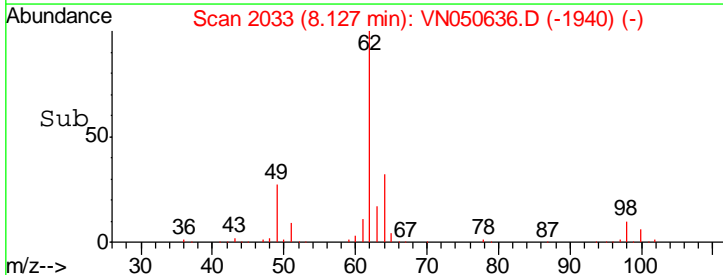


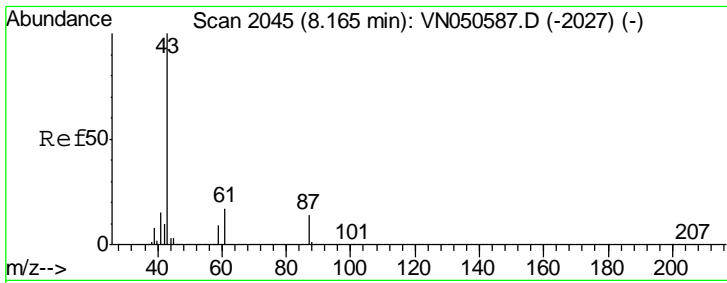
#42
 1,2-Dichloroethane
 Concen: 48.55 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59



Tgt Ion: 62 Resp: 469843

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





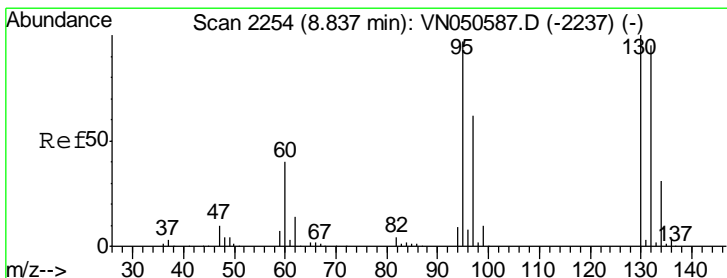
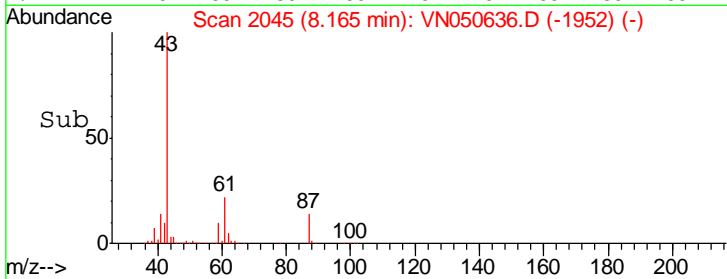
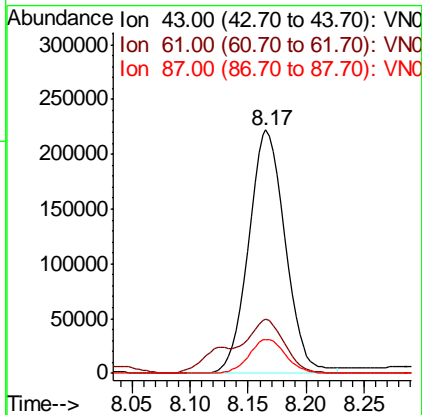
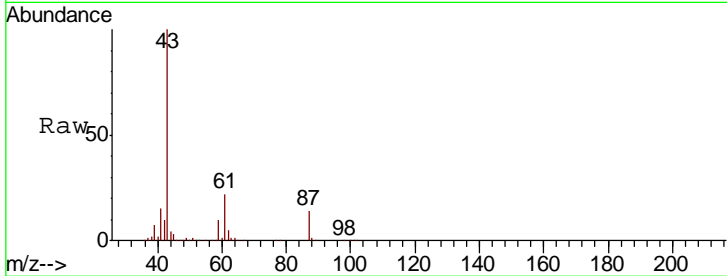
#43
 Isopropyl Acetate
 Concen: 45.58 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

Tgt Ion	Resp	Lower	Upper
43	100		
61	21.0	16.2	24.2
87	14.1	10.9	16.3

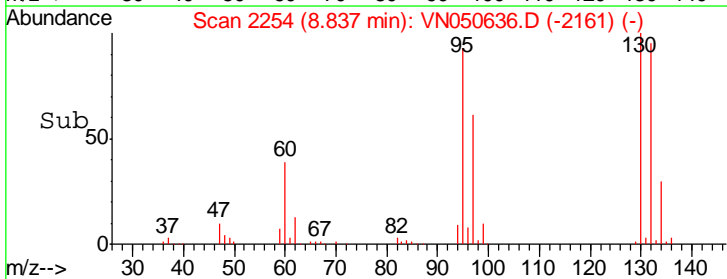
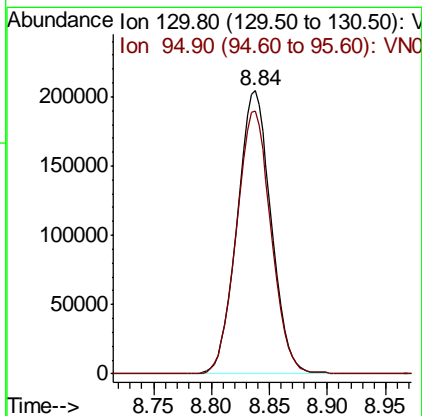
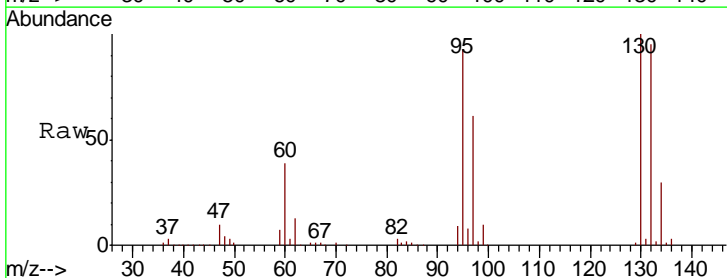
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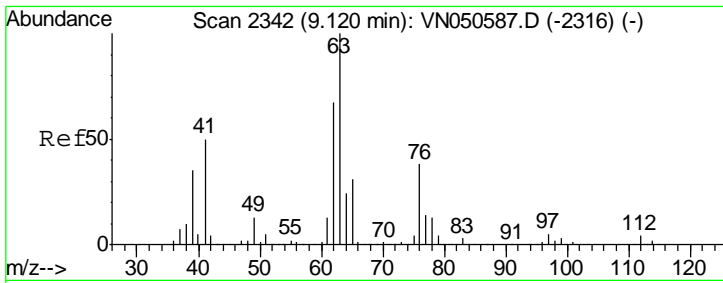
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#44
 Trichloroethene
 Concen: 49.27 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
130	100		
95	92.7	0.0	193.8



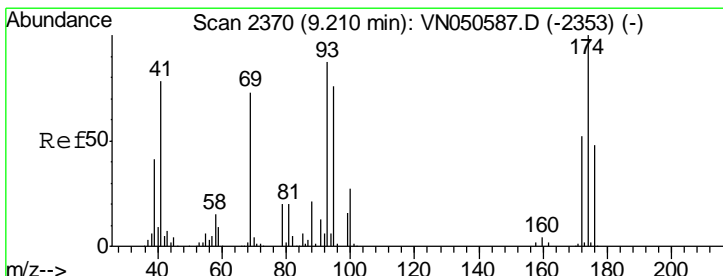
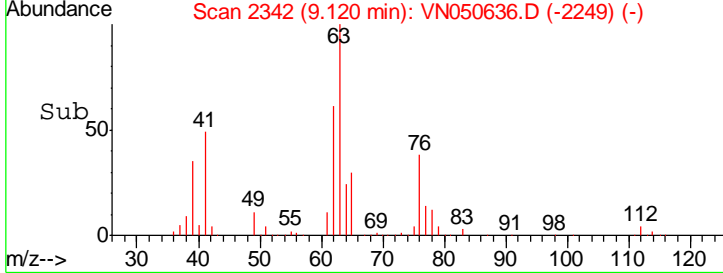
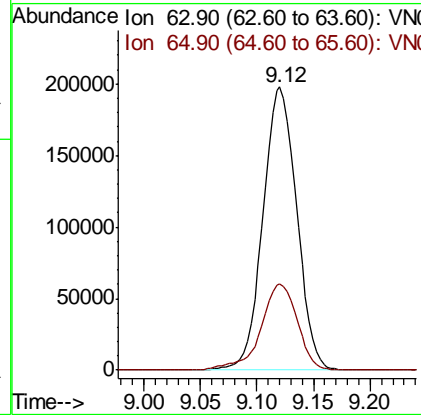
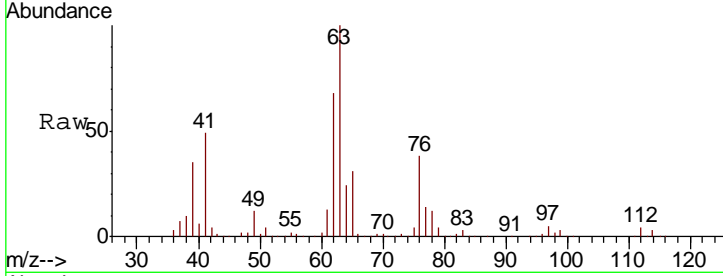


#45
 1,2-Dichloropropane
 Concen: 48.78 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

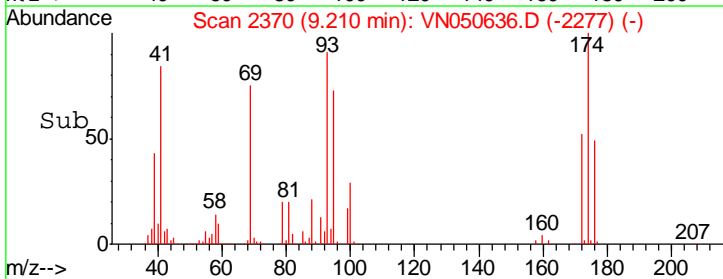
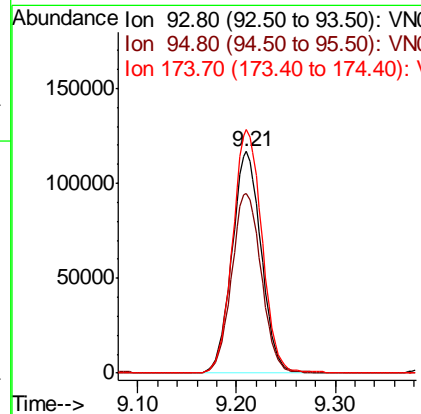
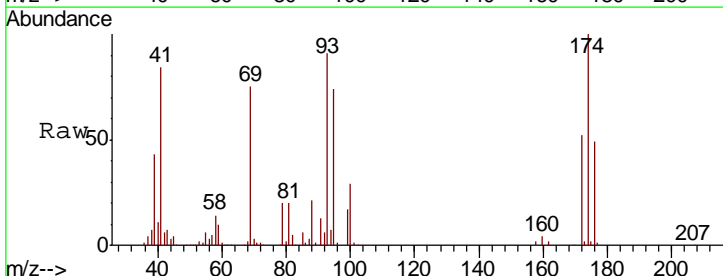
Tgt Ion	Resp	Lower	Upper
63	100		
65	30.6	24.5	36.7

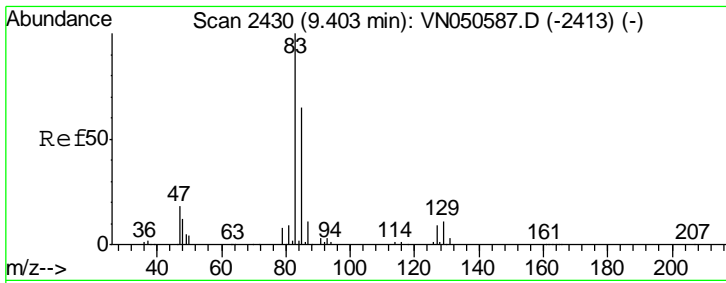
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#46
 Dibromomethane
 Concen: 48.63 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

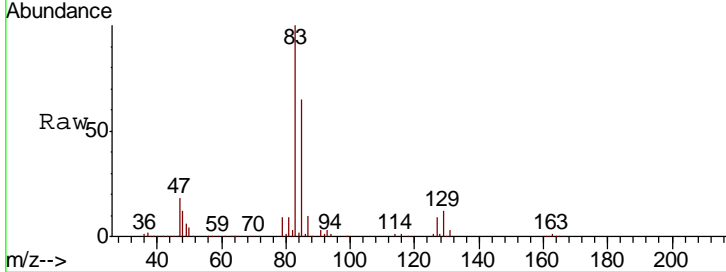
Tgt Ion	Resp	Lower	Upper
93	100		
95	82.3	69.1	103.7
174	110.5	91.0	136.6





#47
 Bromodichloromethane
 Concen: 48.37 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

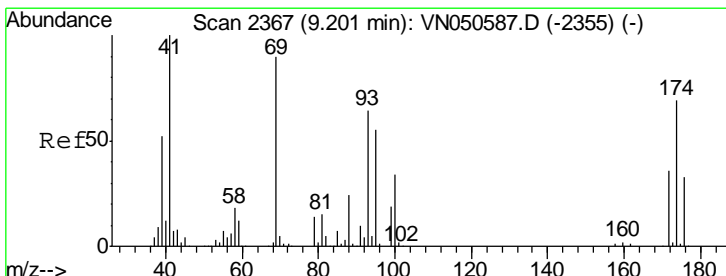
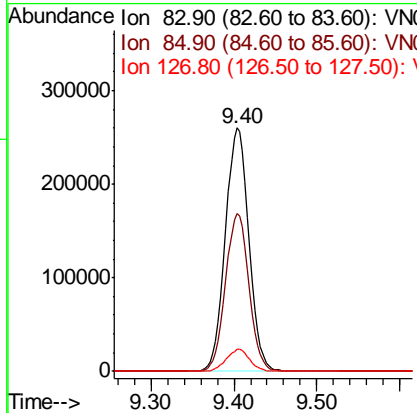
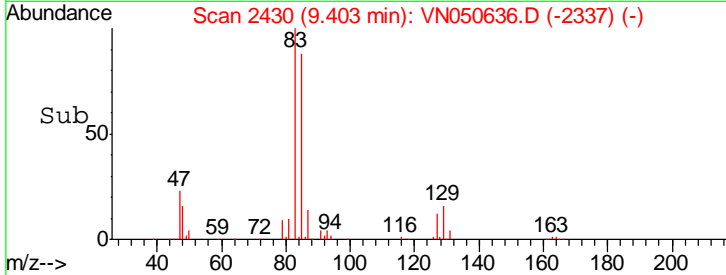
Instrument :
 MSVOA_N
 ClientSampled :
 944-MW-05(17)MS



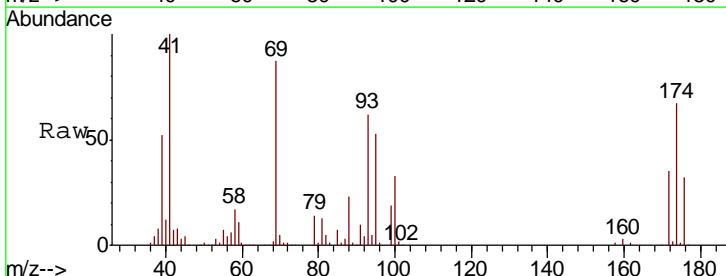
Tgt Ion: 83 Resp: 513158

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.6
127	8.9	7.2	10.8

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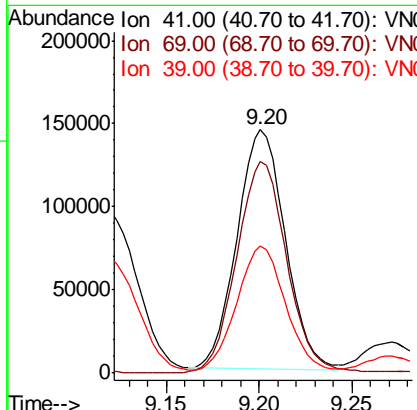
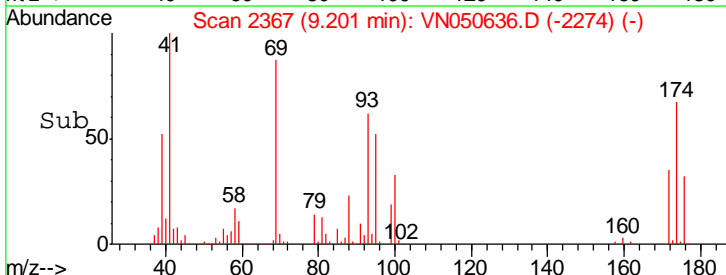


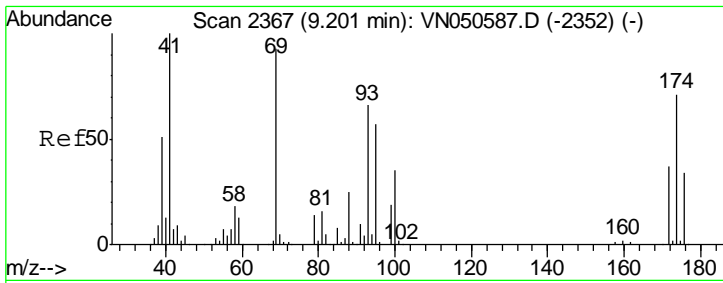
#48
 Methyl methacrylate
 Concen: 48.65 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59



Tgt Ion: 41 Resp: 261722

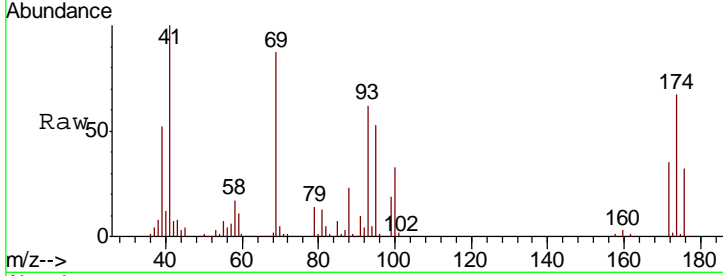
Ion	Ratio	Lower	Upper
41	100		
69	92.7	73.4	110.0
39	54.4	43.0	64.6





#49
 1,4-Dioxane
 Concen: 977.05 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

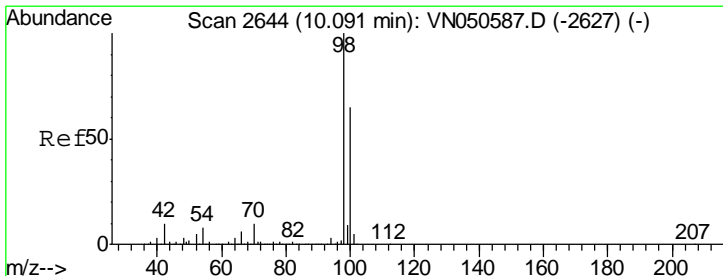
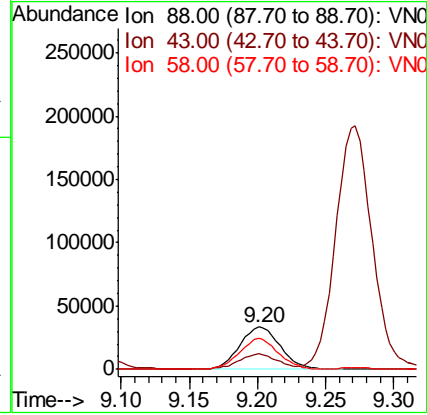
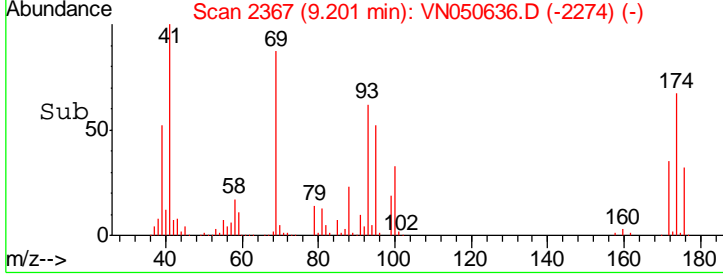
Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)MS



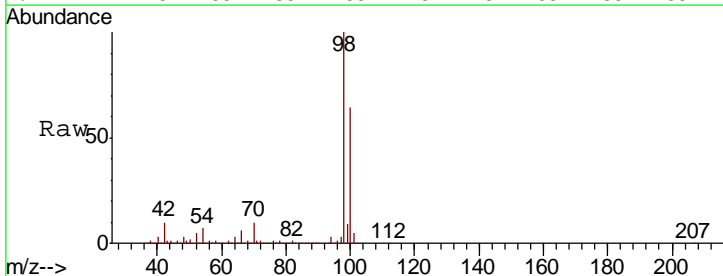
Tgt Ion: 88 Resp: 69244

Ion	Ratio	Lower	Upper
88	100		
43	33.2	25.9	38.9
58	69.5	56.5	84.7

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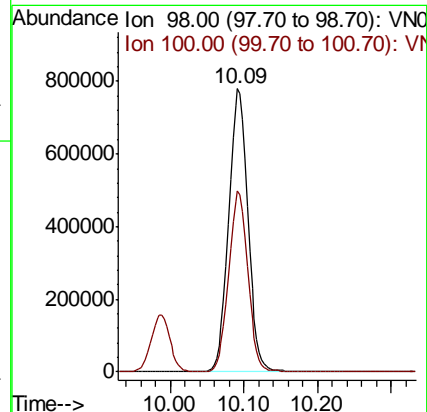
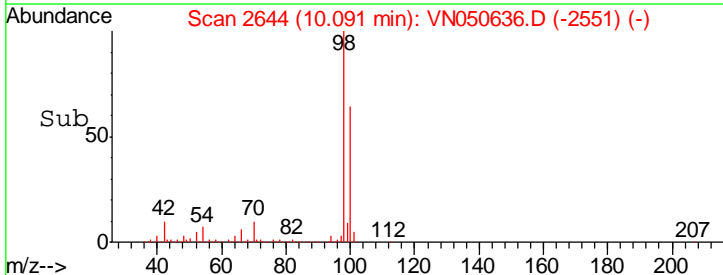


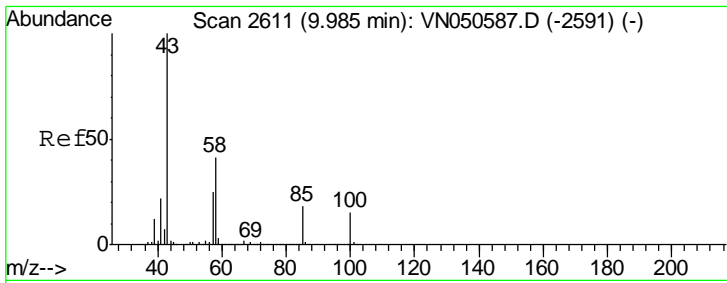
#50
 Toluene-d8
 Concen: 50.55 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59



Tgt Ion: 98 Resp: 1416194

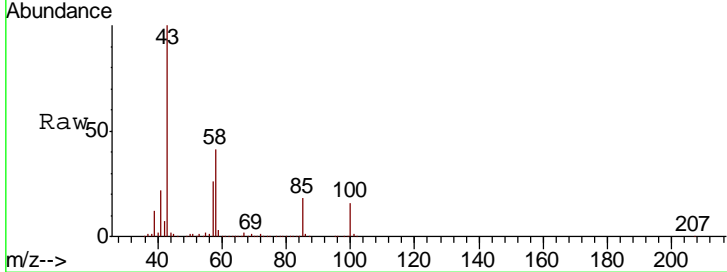
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.8	77.8





#51
 4-Methyl-2-Pentanone
 Concen: 252.02 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

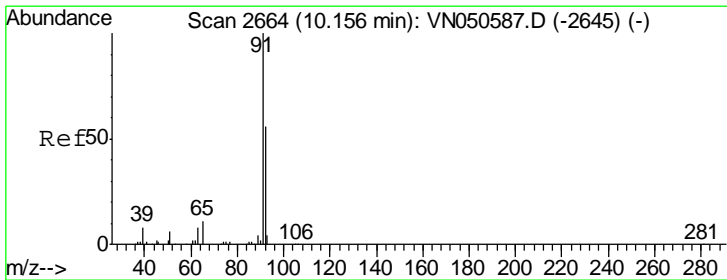
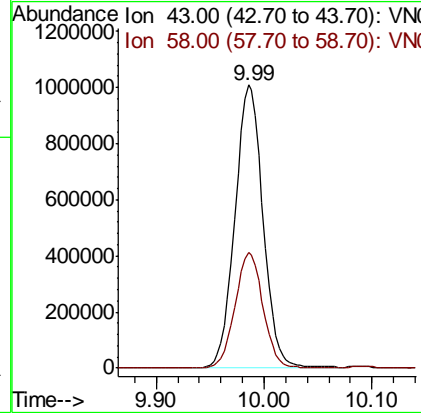
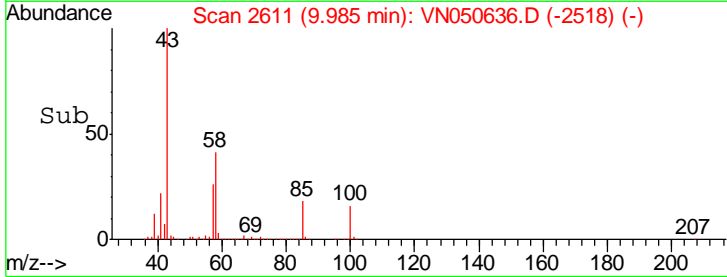
Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)MS



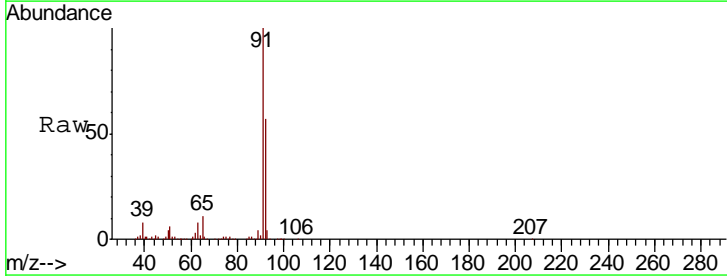
Tgt Ion: 43 Resp: 1822237

Ion	Ratio	Lower	Upper
43	100		
58	40.8	32.5	48.7

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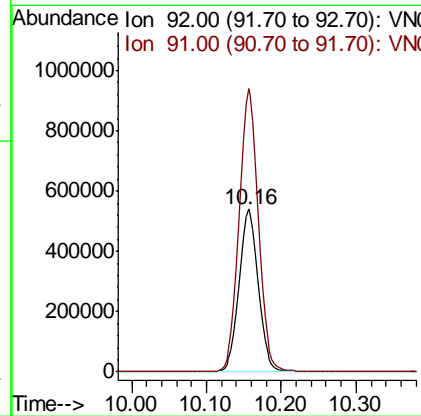
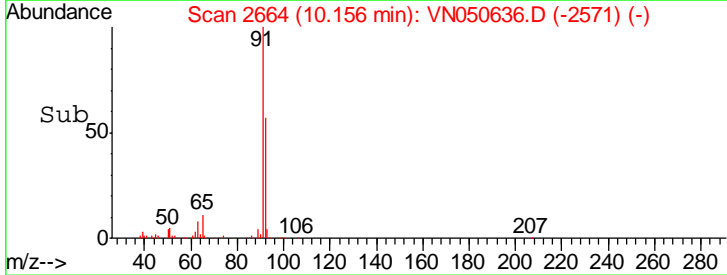


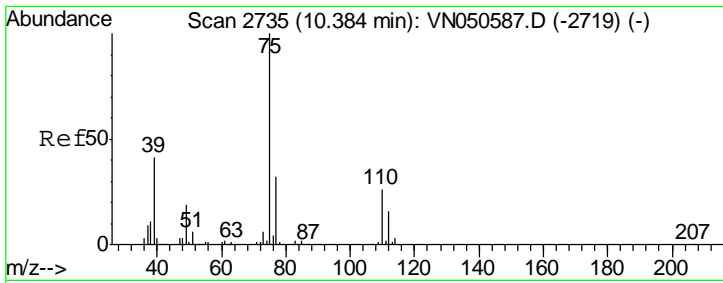
#52
 Toluene
 Concen: 51.25 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59



Tgt Ion: 92 Resp: 966065

Ion	Ratio	Lower	Upper
92	100		
91	175.0	141.9	212.9



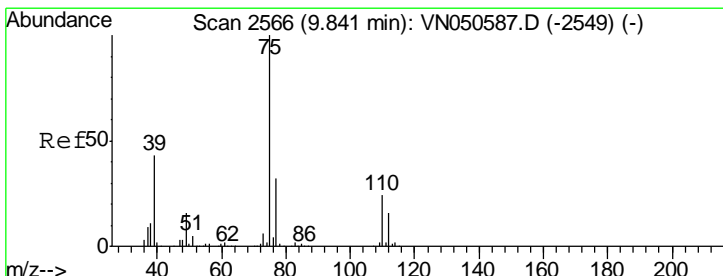
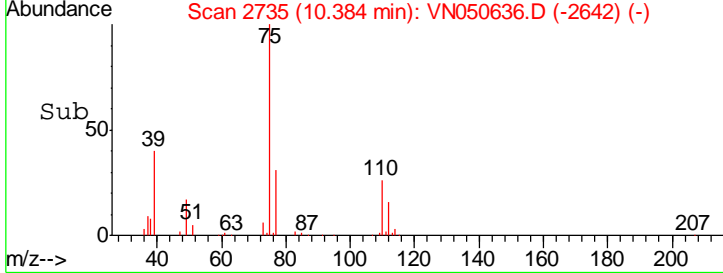
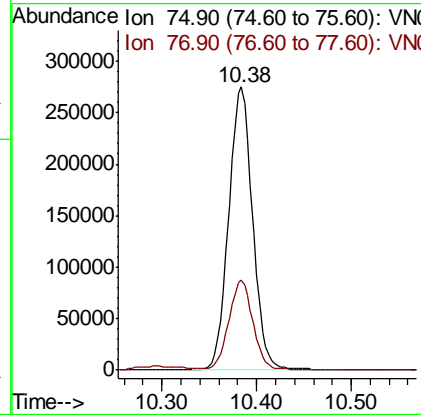
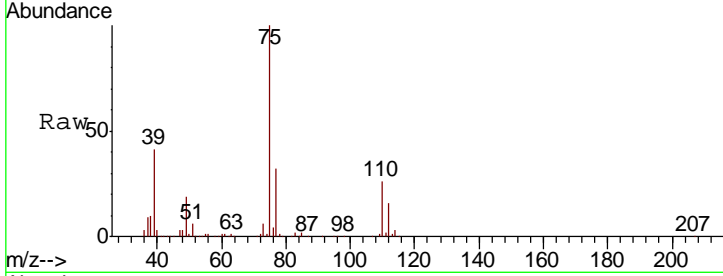


#53
 t-1,3-Dichloropropene
 Concen: 49.09 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

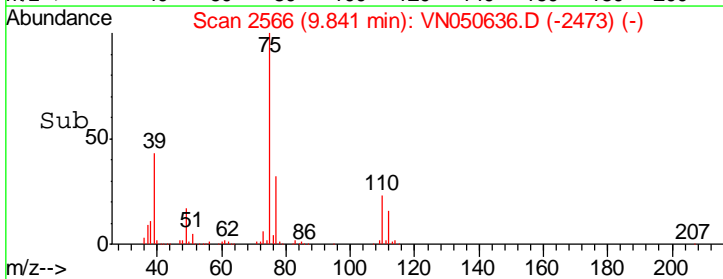
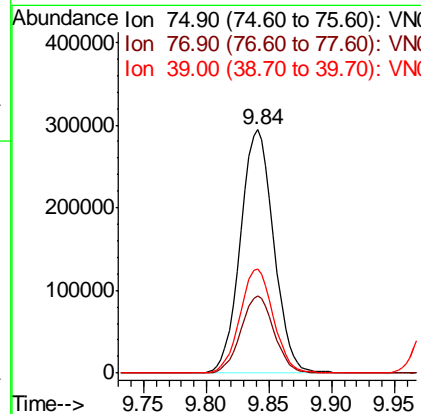
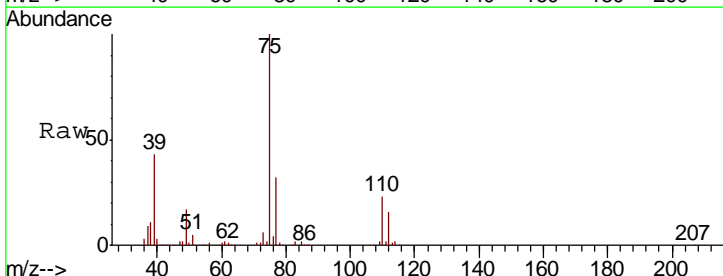
Tgt Ion	Resp	Lower	Upper
75	485081		
75	100		
77	31.5	25.8	38.6

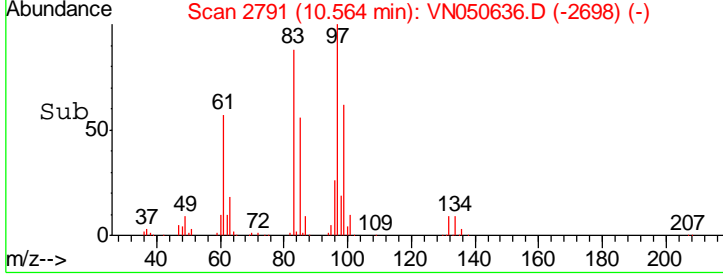
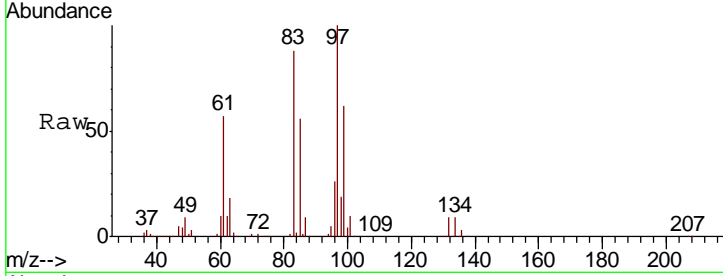
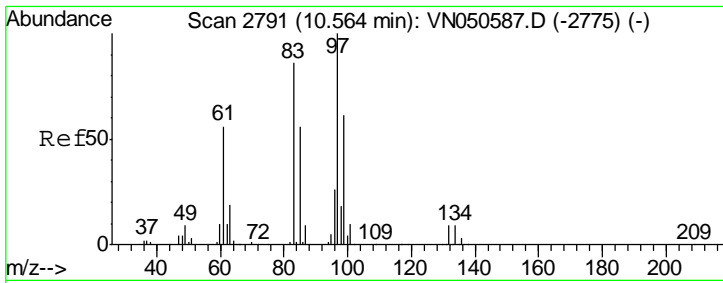
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#54
 cis-1,3-Dichloropropene
 Concen: 47.98 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
75	543845		
75	100		
77	31.9	25.6	38.4
39	42.8	34.4	51.6



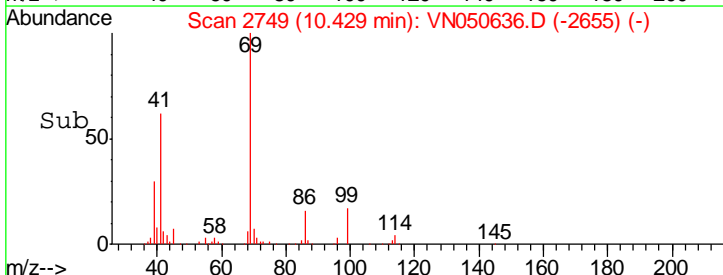
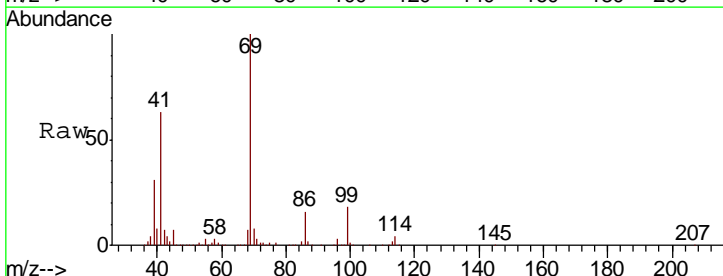
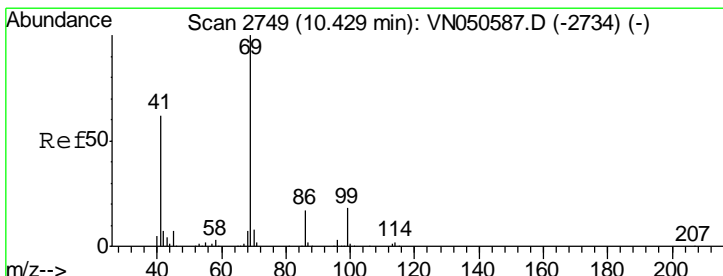
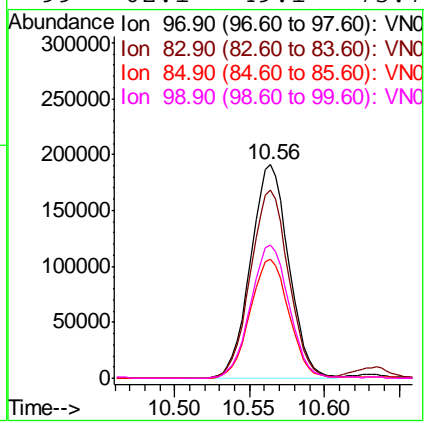


#55
 1,1,2-Trichloroethane
 Concen: 48.14 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
97	100		
83	88.2	68.5	102.7
85	55.6	44.6	66.8
99	62.1	49.1	73.7

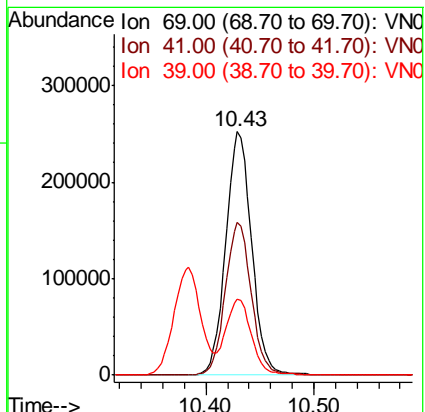
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

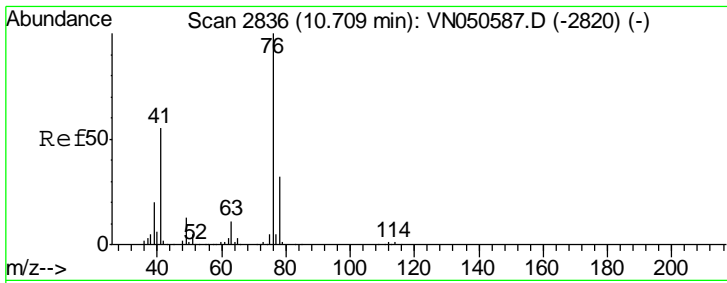
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#56
 Ethyl methacrylate
 Concen: 47.10 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
69	100		
41	61.9	49.7	74.5
39	30.4	24.2	36.2



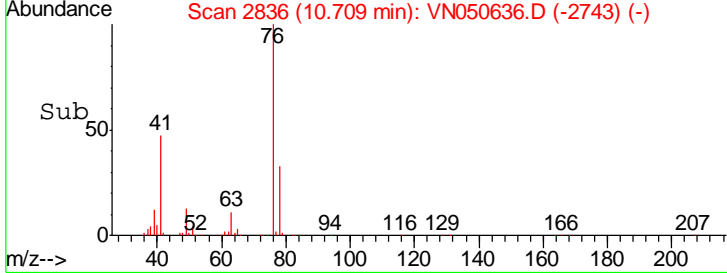
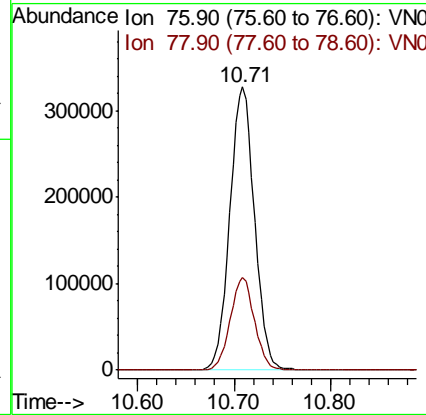
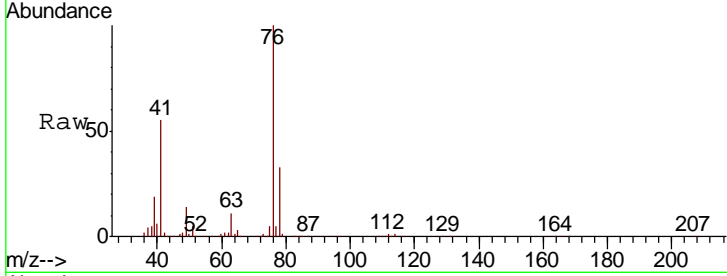


#57
 1,3-Dichloropropane
 Concen: 50.18 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

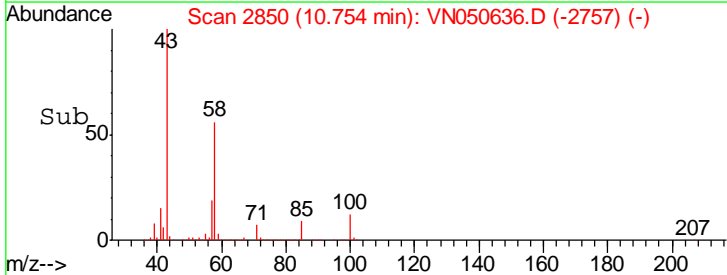
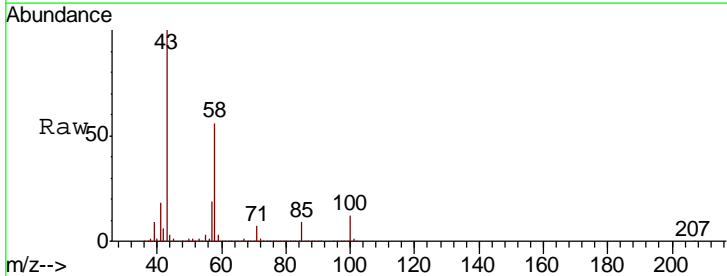
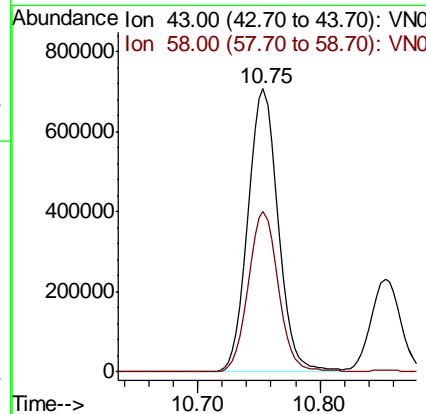
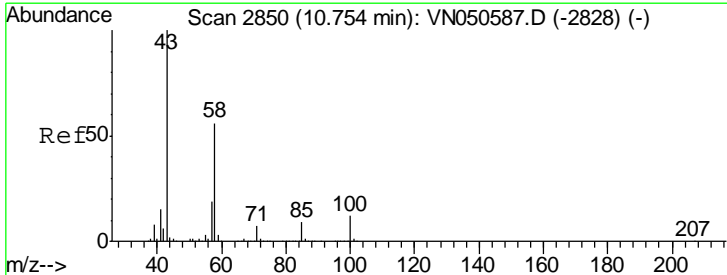
Tgt Ion	Resp	Lower	Upper
76	579422		
76	100		
78	32.1	25.8	38.6

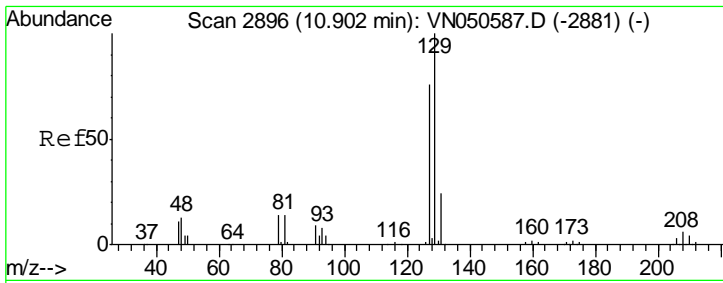
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#59
 2-Hexanone
 Concen: 257.51 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
43	1201751		
43	100		
58	56.3	28.0	84.0



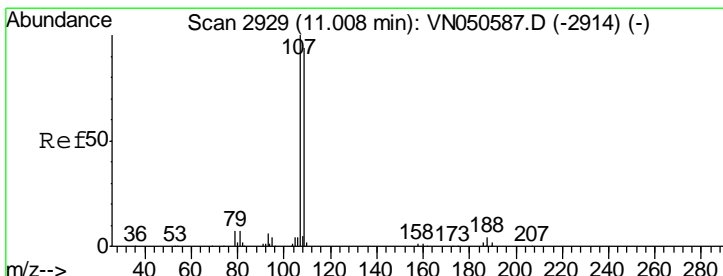
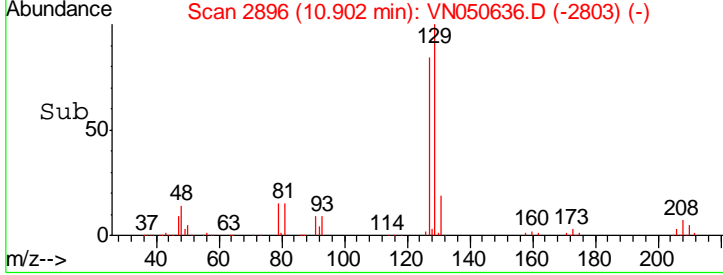
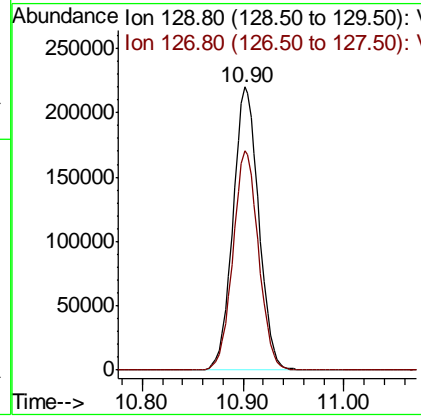
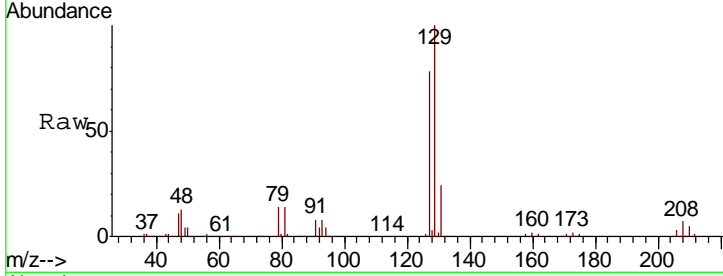


#60
 Dibromochloromethane
 Concen: 50.29 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

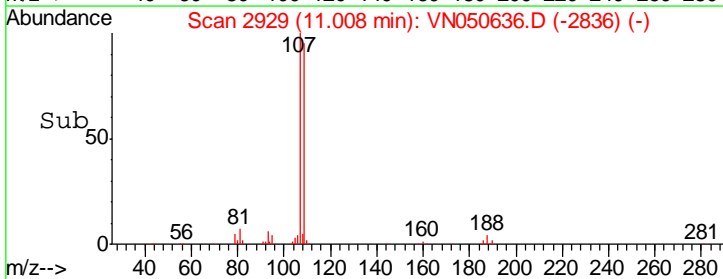
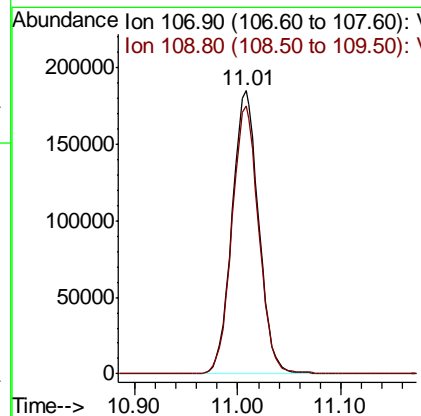
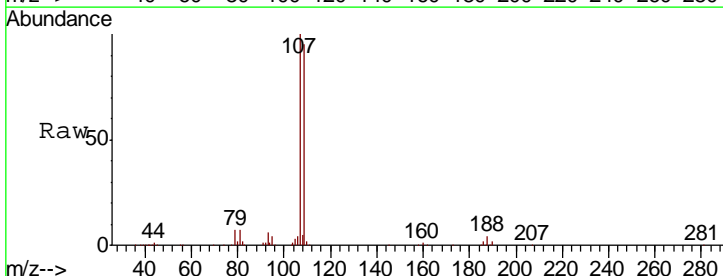
Tgt Ion	Resp	Lower	Upper
129	390912		
127	76.9	38.9	116.7

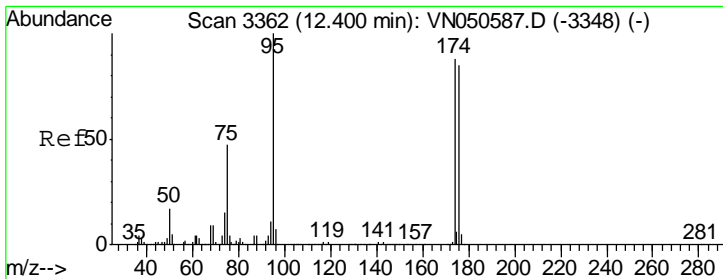
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#61
 1,2-Dibromoethane
 Concen: 49.67 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
107	333156		
109	95.1	75.7	113.5



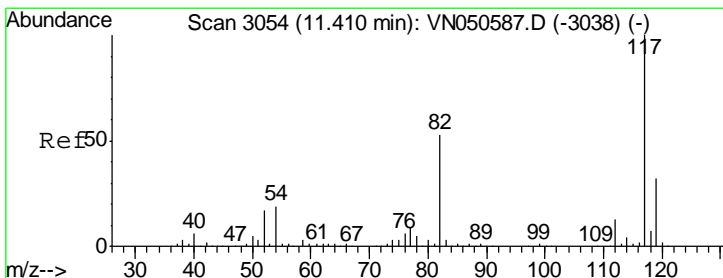
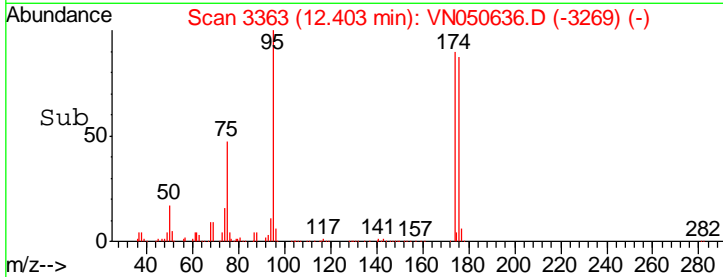
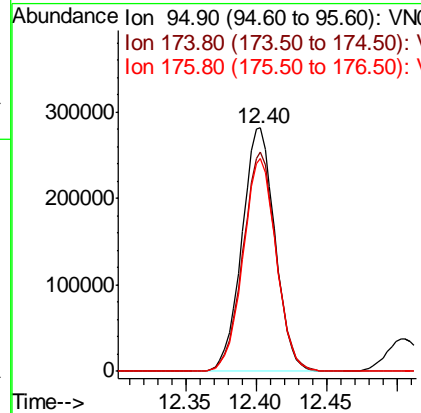
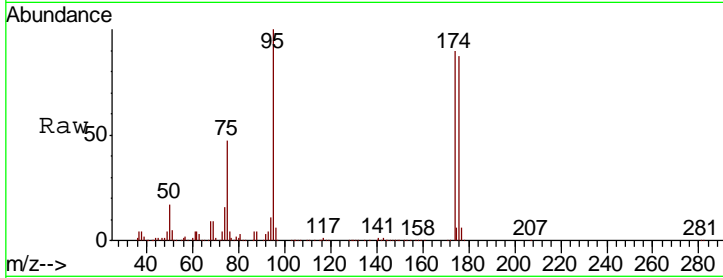


#62
 4-Bromofluorobenzene
 Concen: 50.07 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

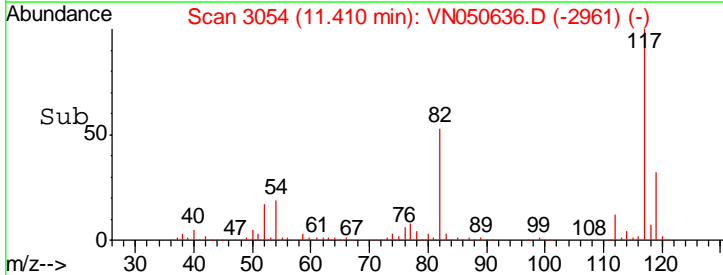
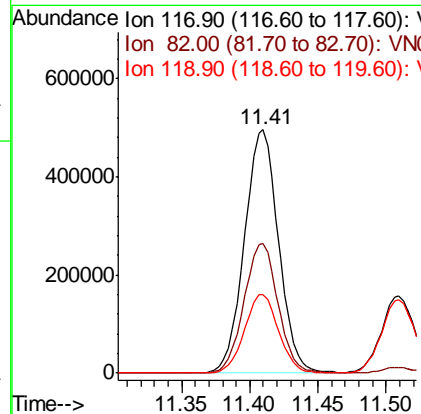
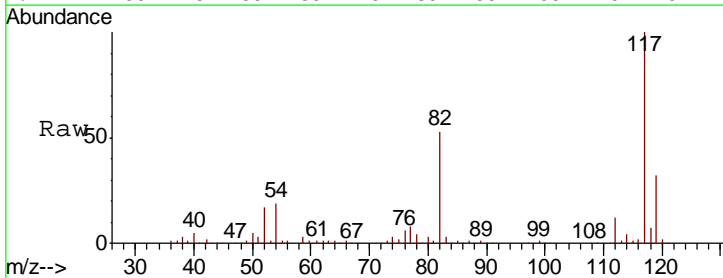
Tgt Ion	Resp	Lower	Upper
95	100		
174	89.9	0.0	177.8
176	87.3	0.0	175.0

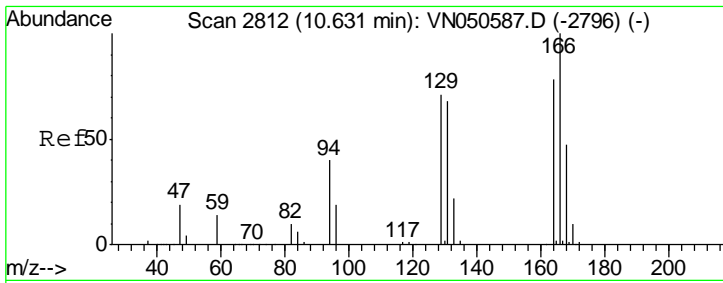
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#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

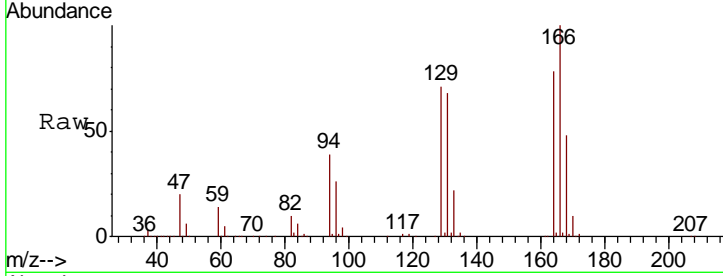
Tgt Ion	Resp	Lower	Upper
117	100		
82	53.3	42.4	63.6
119	32.5	25.8	38.8





#64
 Tetrachloroethene
 Concen: 95.76 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

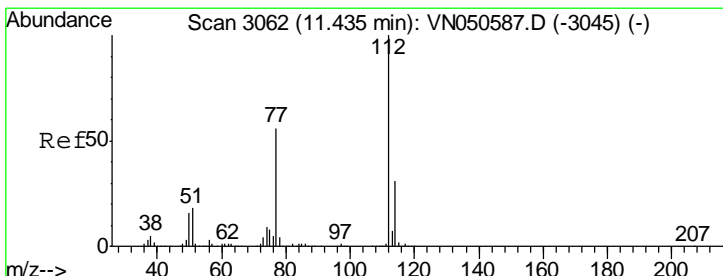
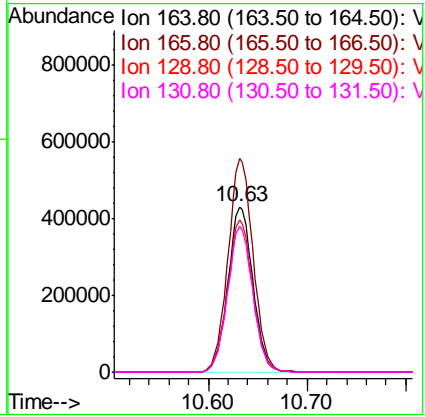
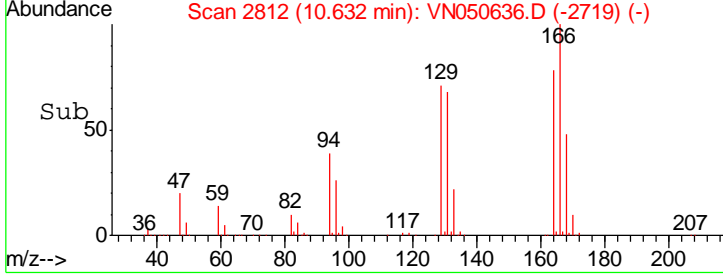
Instrument :
 MSVOA_N
 Client Sampled :
 944-MW-05(17)MS



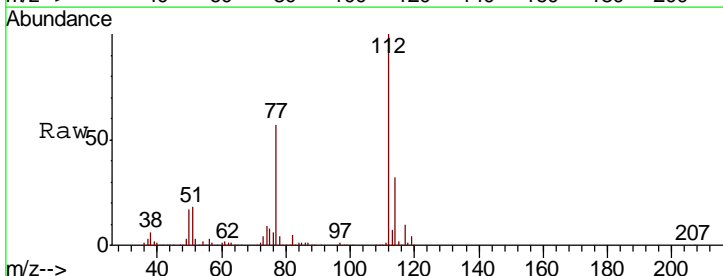
Tgt Ion: 164 Resp: 766062

Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.1	153.1
129	91.9	72.7	109.1
131	87.8	69.9	104.9

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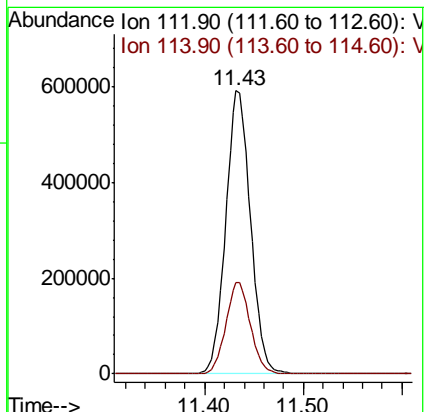
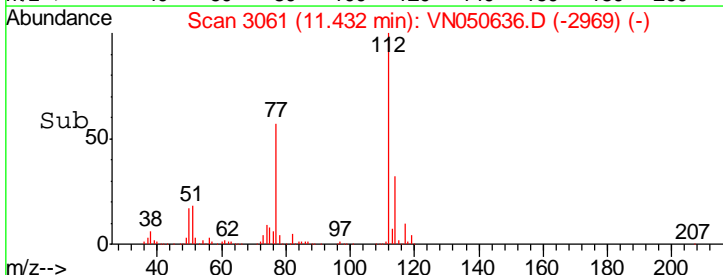


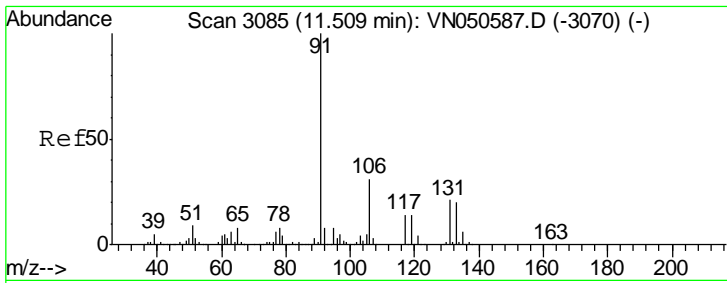
#65
 Chlorobenzene
 Concen: 48.52 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59



Tgt Ion: 112 Resp: 1040237

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.2	37.8





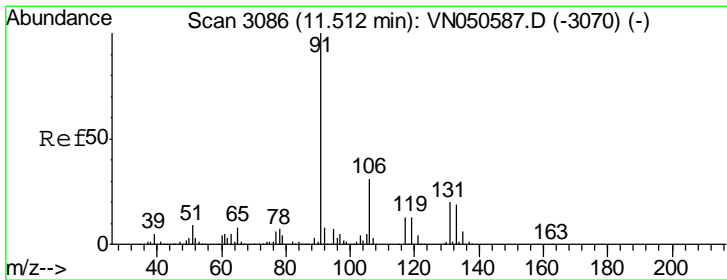
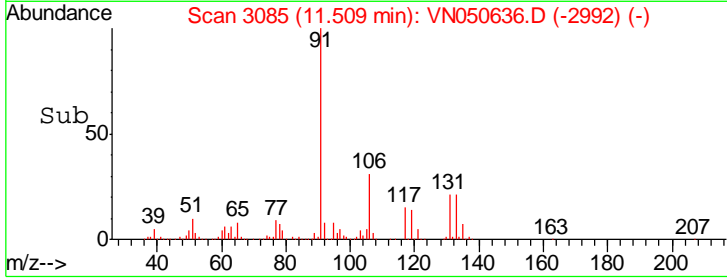
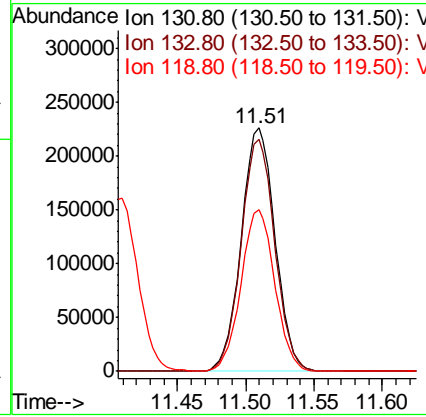
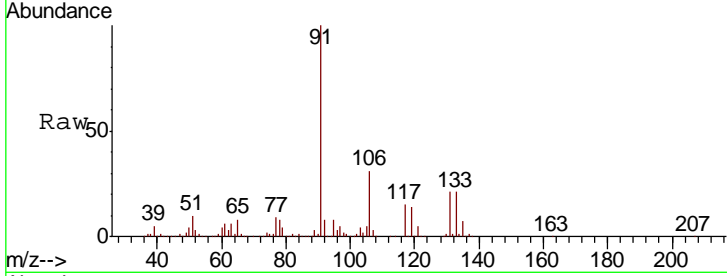
#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.48 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

Tgt Ion	Resp	Lower	Upper
131	100		
133	95.1	47.6	142.9
119	66.3	33.1	99.3

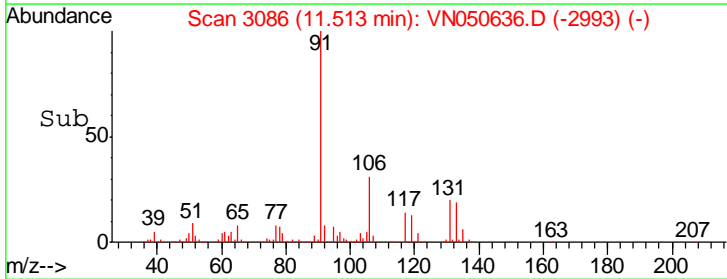
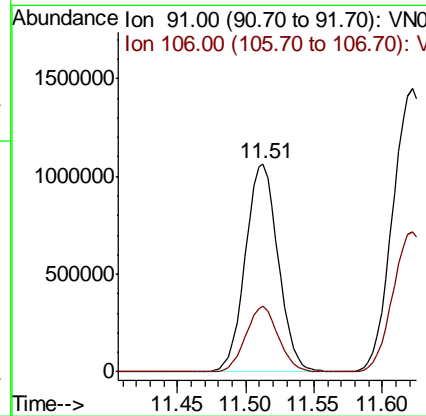
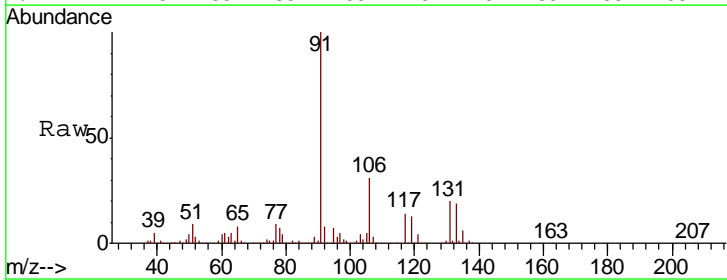
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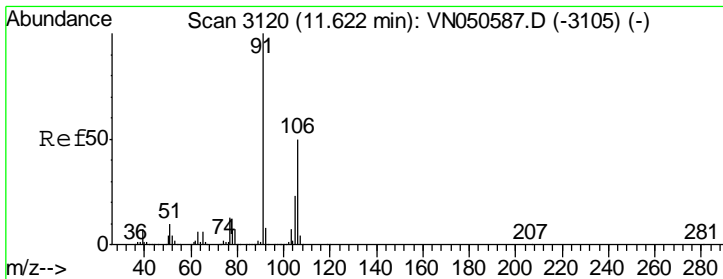
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#67
 Ethyl Benzene
 Concen: 51.42 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.3	24.8	37.2



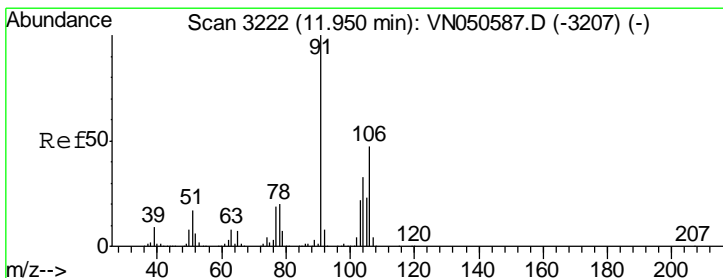
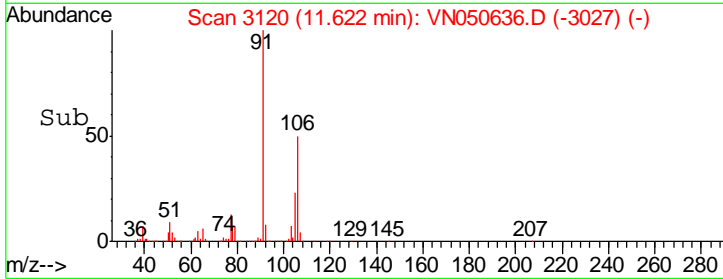
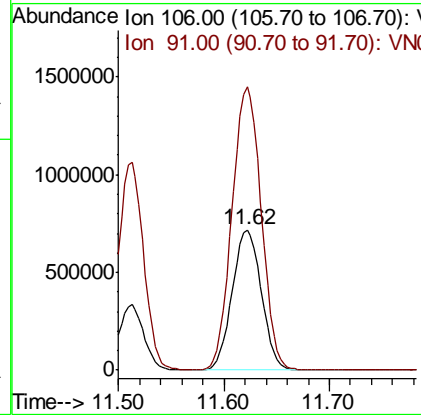
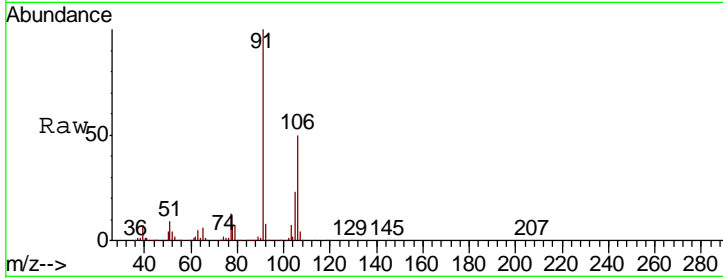


#68
 m/p-Xylenes
 Concen: 103.29 ug/l
 RT: 11.62 min Scan# 3120
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

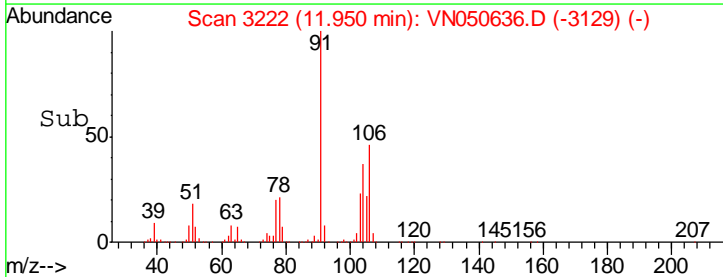
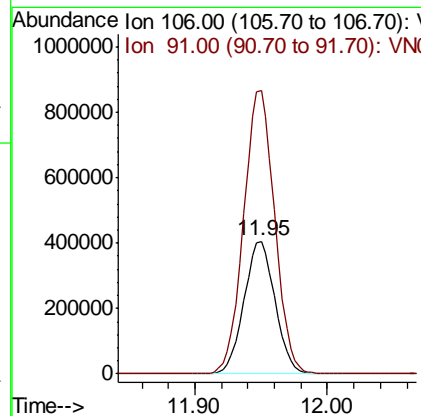
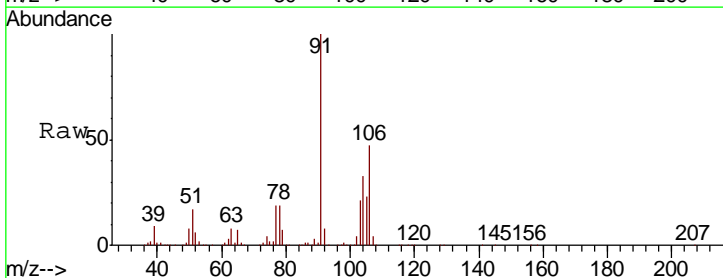
Tgt Ion	Resp	Lower	Upper
106	1367535		
106	100		
91	203.3	161.5	242.3

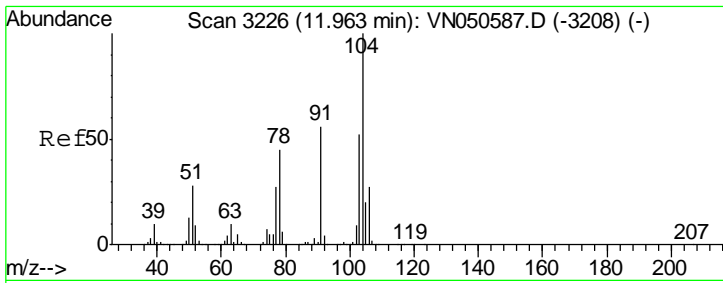
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#69
 o-Xylene
 Concen: 52.14 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
106	658280		
106	100		
91	214.3	106.8	320.4



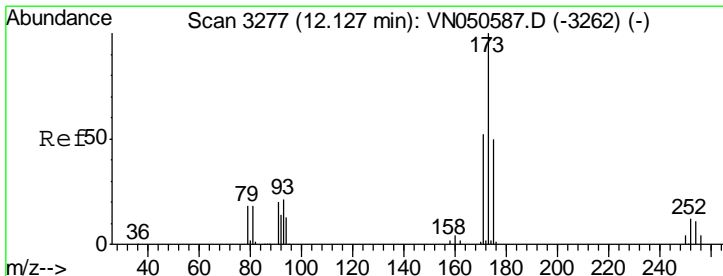
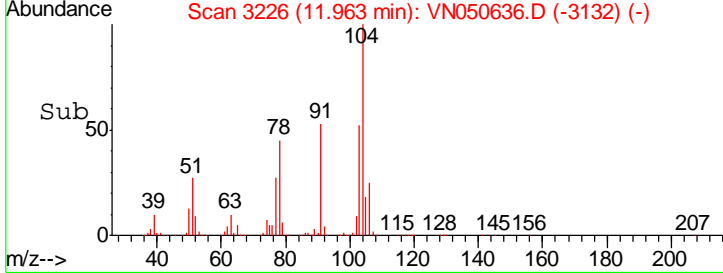
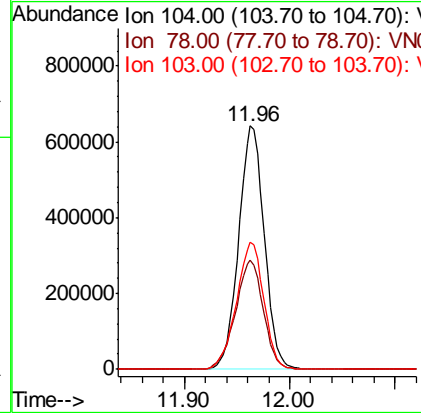
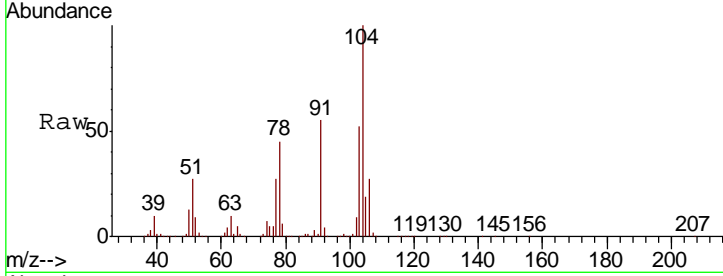


#70
 Styrene
 Concen: 48.06 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

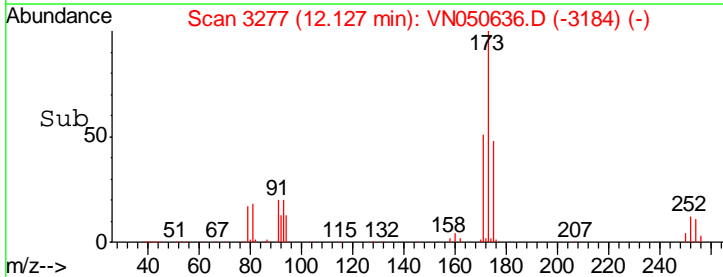
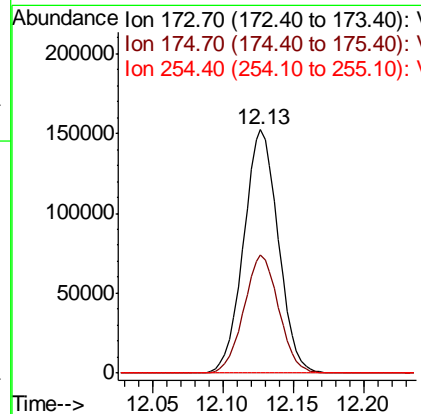
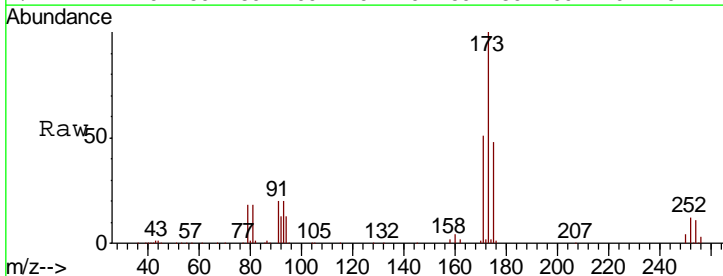
Tgt Ion	Resp	Lower	Upper
104	1078236		
78	48.7	39.1	58.7
103	55.8	44.9	67.3

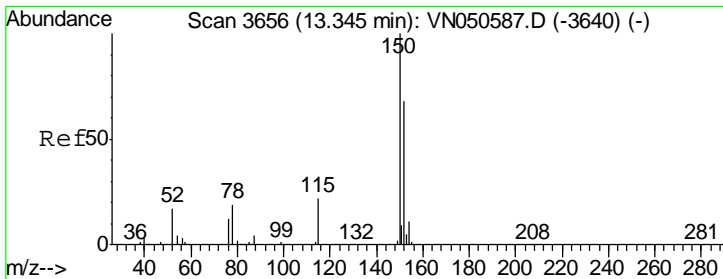
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#71
 Bromoform
 Concen: 49.14 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
173	261888		
175	48.8	24.4	73.2
254	0.1	0.0	0.0#





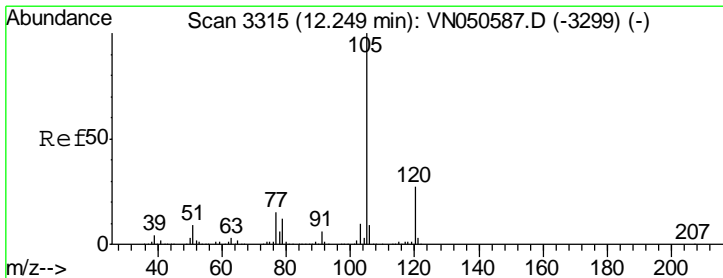
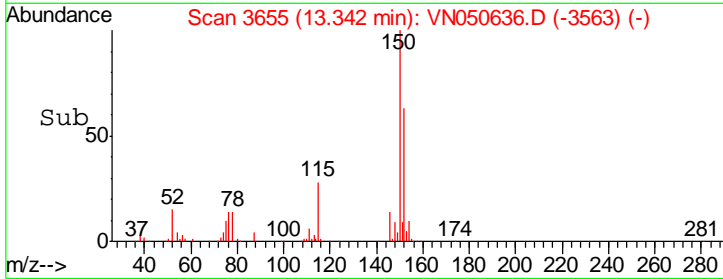
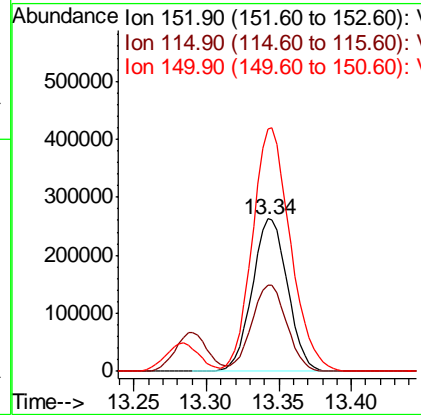
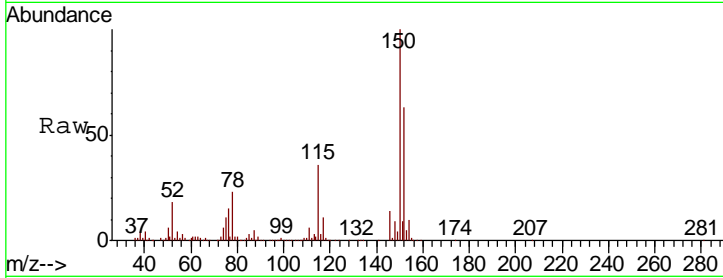
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

Tgt Ion	Resp	Lower	Upper
152	445835		
152	100		
115	56.2	28.1	84.2
150	171.7	0.0	347.8

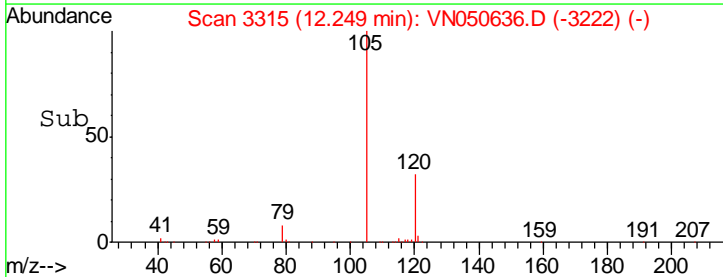
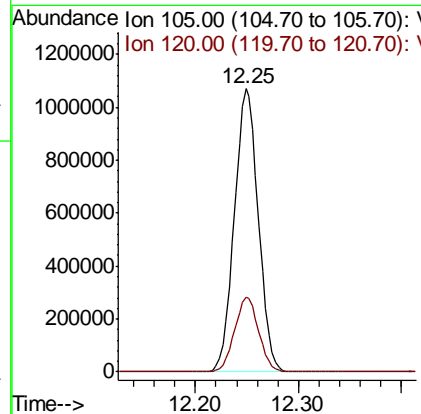
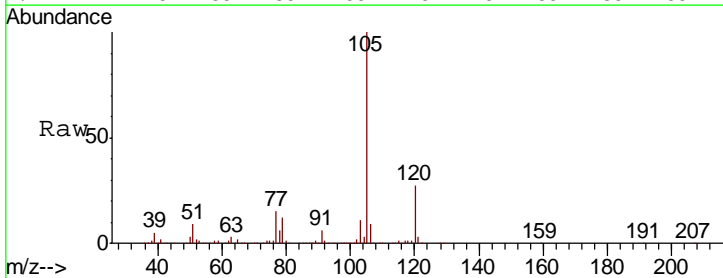
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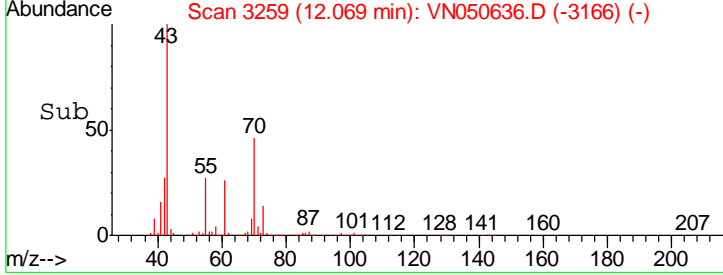
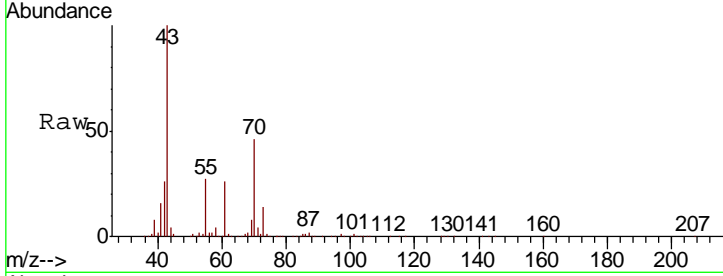
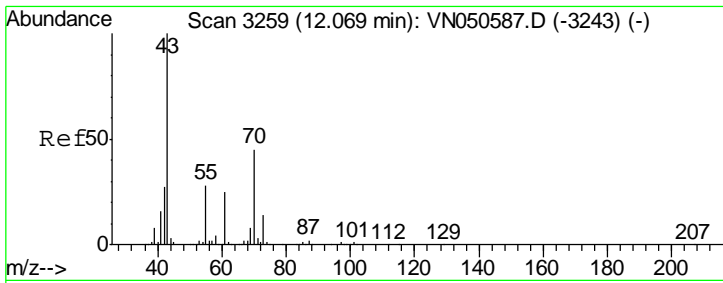
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#73
 Isopropylbenzene
 Concen: 49.64 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
105	1729011		
105	100		
120	26.6	13.4	40.1



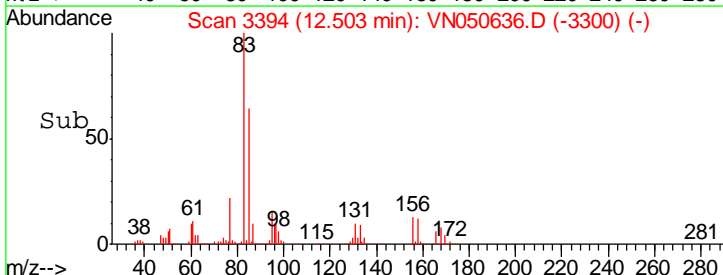
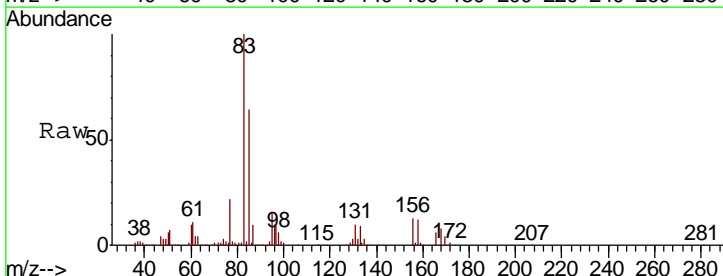
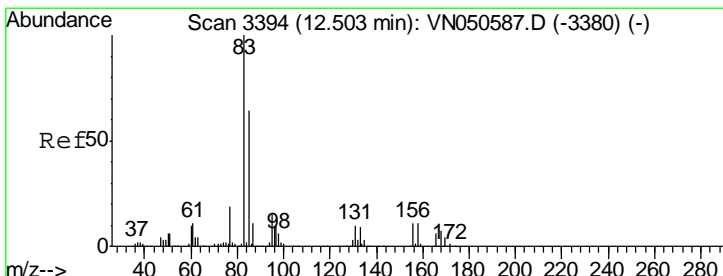
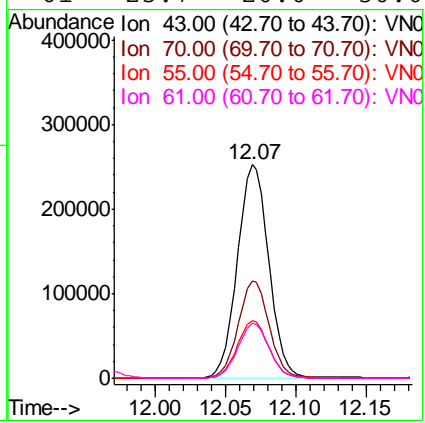


#74
 N-amyl acetate
 Concen: 43.54 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
43	100		
70	45.0	35.9	53.9
55	27.2	22.2	33.4
61	25.7	20.0	30.0

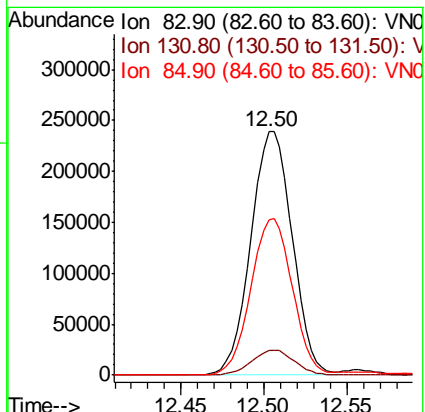
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

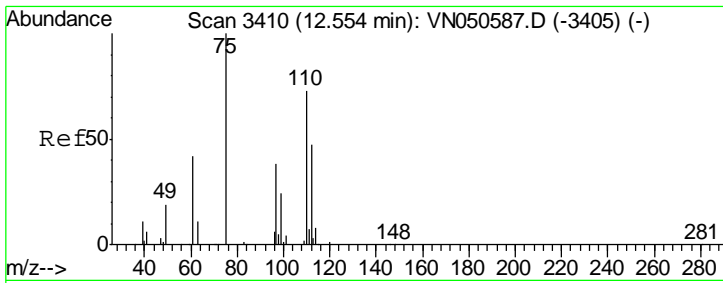
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#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.56 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	64.1	32.1	96.5



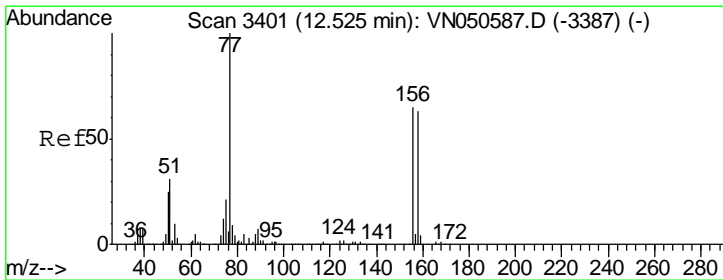
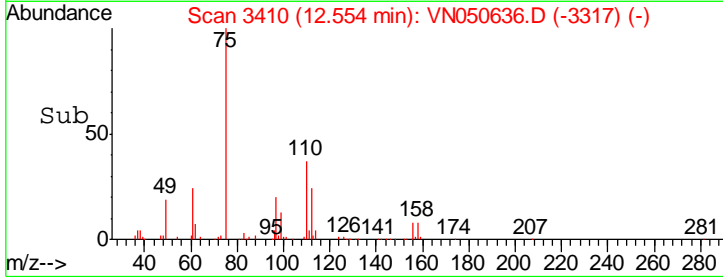
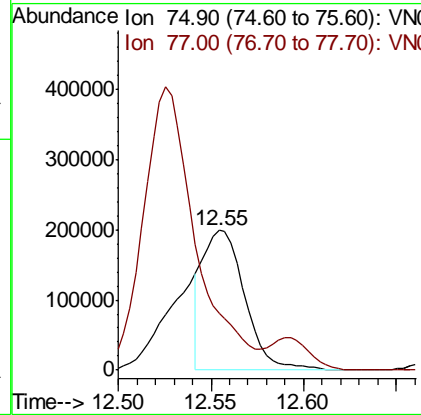
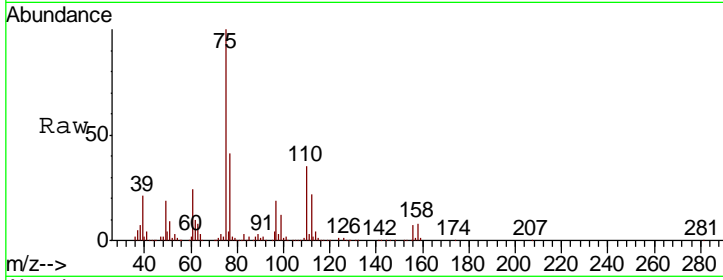


#76
 1,2,3-Trichloropropane
 Concen: 43.55 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

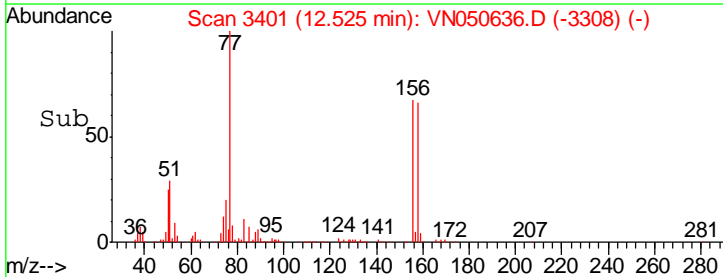
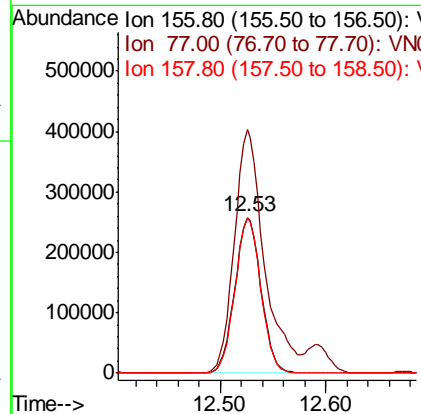
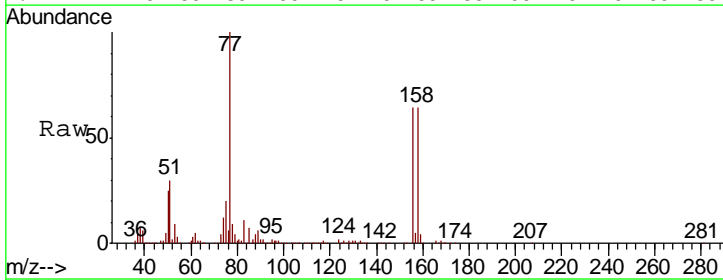
Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0

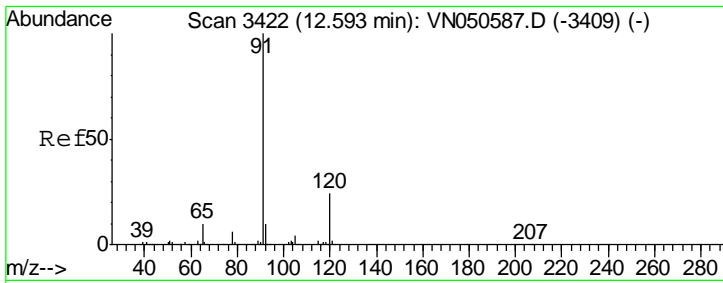
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#77
 Bromobenzene
 Concen: 46.90 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
156	100		
77	179.0	89.0	267.1
158	97.8	48.5	145.6



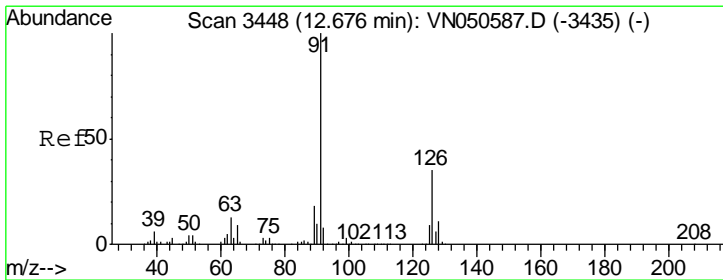
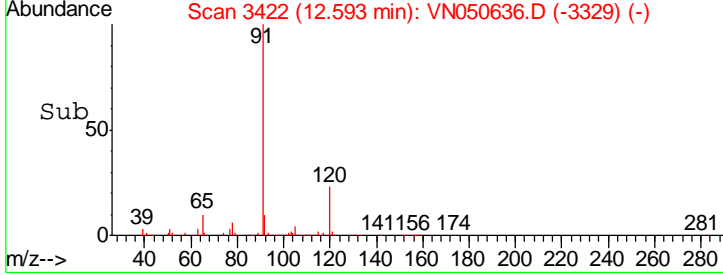
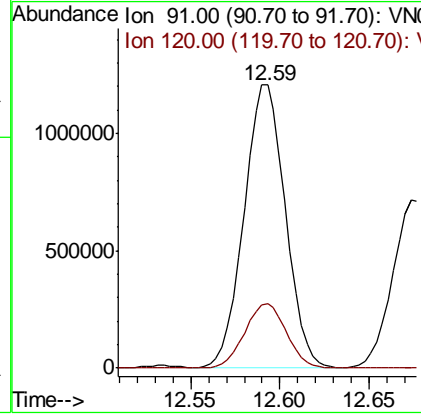
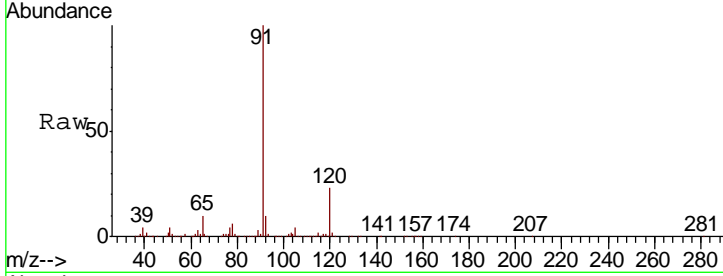


#78
 n-propylbenzene
 Concen: 50.12 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

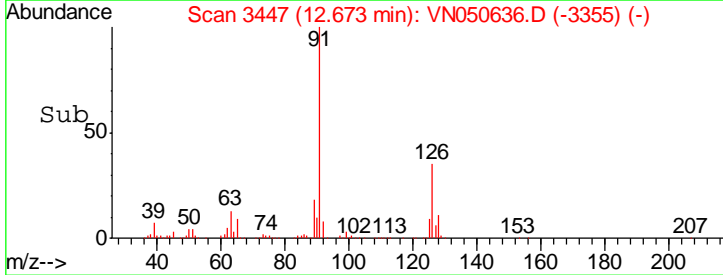
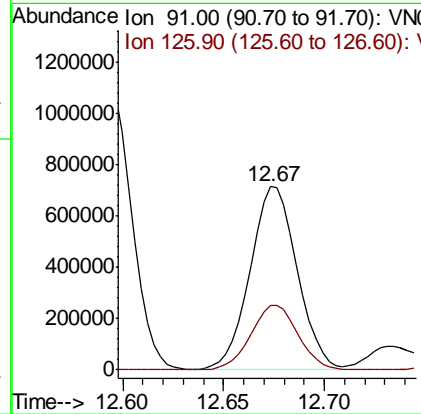
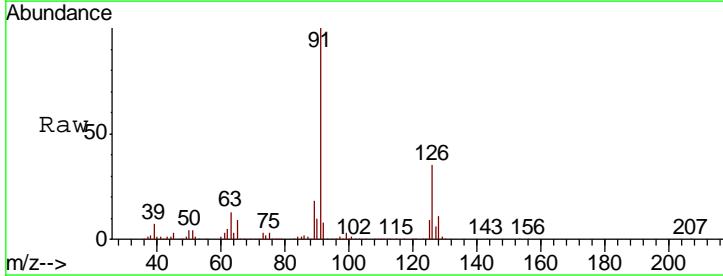
Tgt Ion	Resp	Lower	Upper
91	100		
120	23.1	11.8	35.4

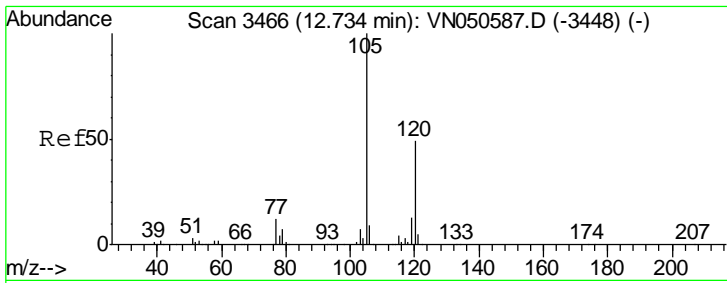
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#79
 2-Chlorotoluene
 Concen: 48.15 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

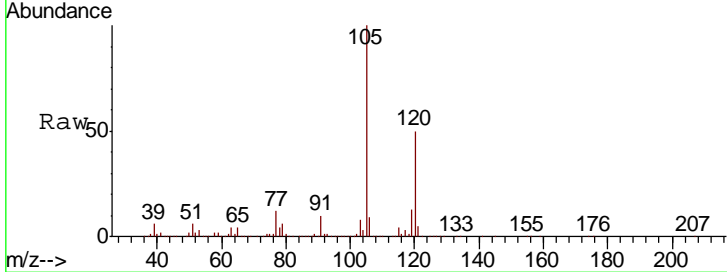
Tgt Ion	Resp	Lower	Upper
91	100		
126	35.8	17.6	52.8





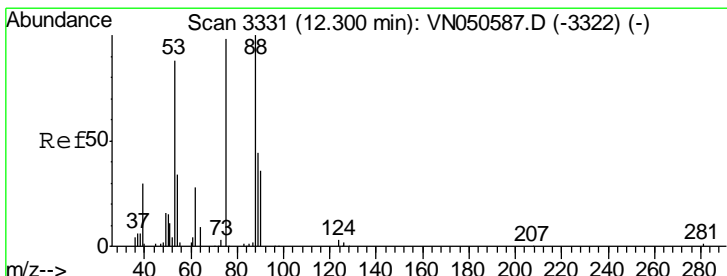
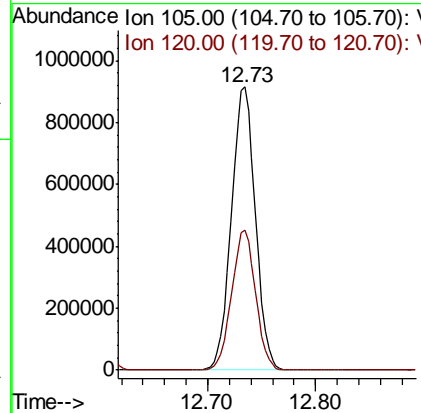
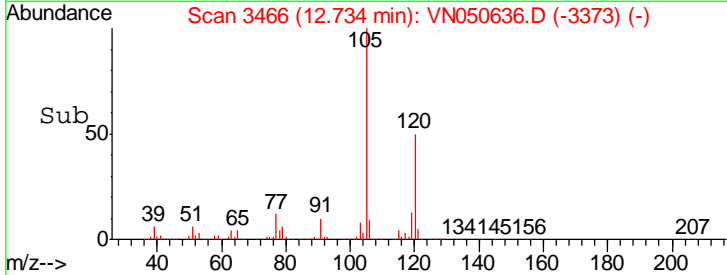
#80
 1,3,5-Trimethylbenzene
 Concen: 50.73 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

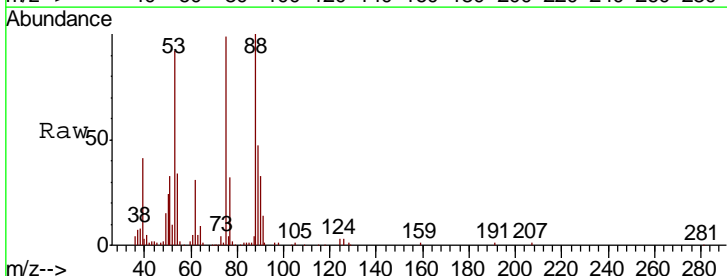


Tgt Ion: 105 Resp: 1414826
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.7 74.1

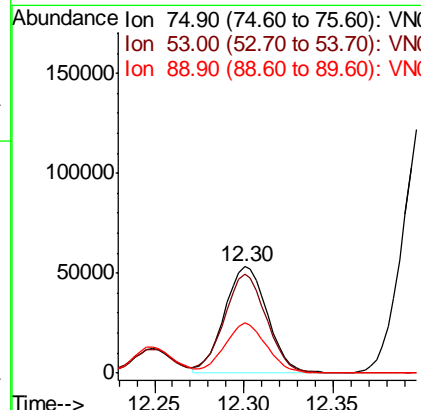
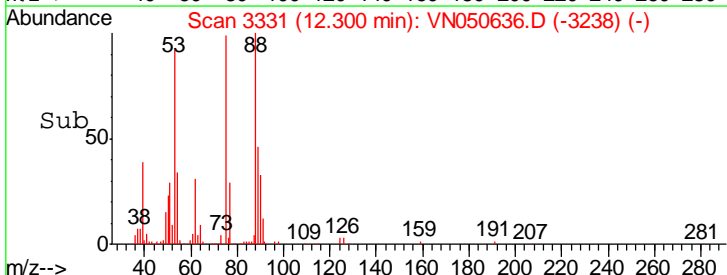
Manual Integrations APPROVED
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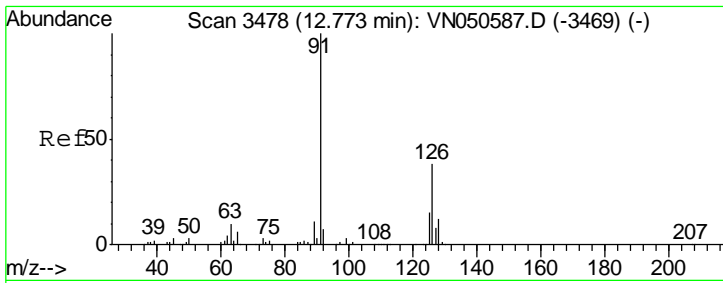


#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.52 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59



Tgt Ion: 75 Resp: 89288
 Ion Ratio Lower Upper
 75 100
 53 91.5 72.2 108.2
 89 45.4 36.3 54.5





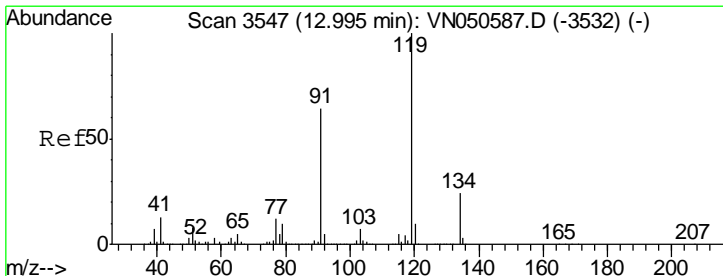
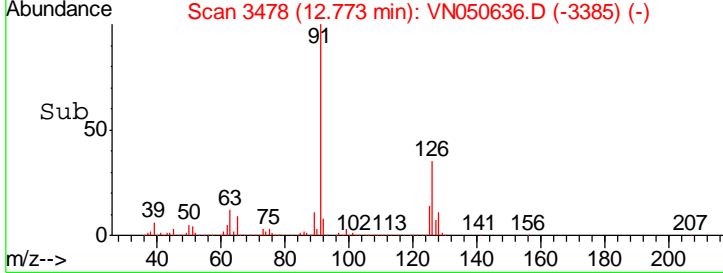
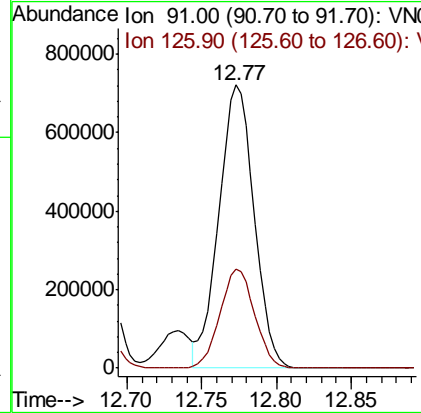
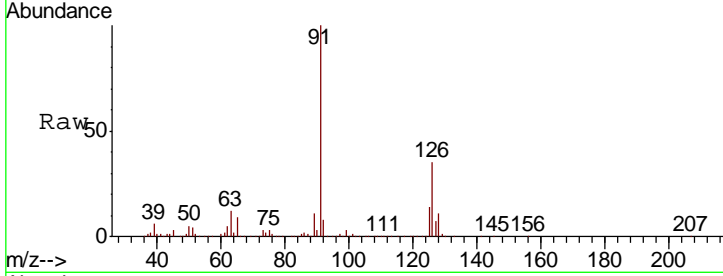
#82
 4-Chlorotoluene
 Concen: 49.35 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

Tgt Ion: 91 Resp: 1181089

Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	52.0

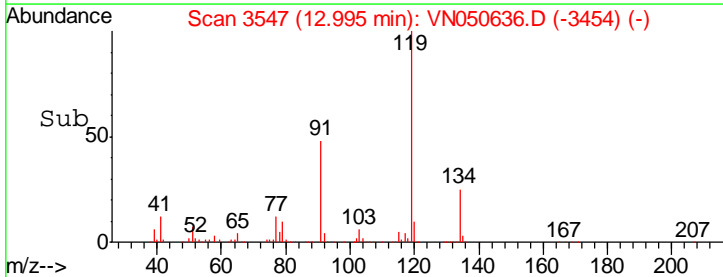
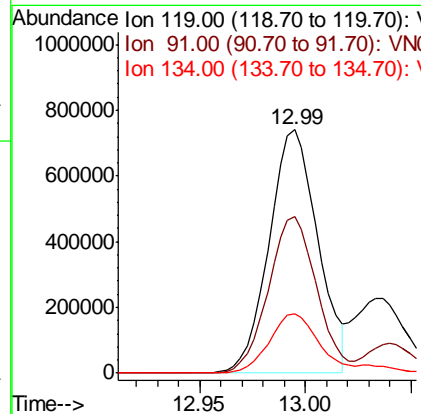
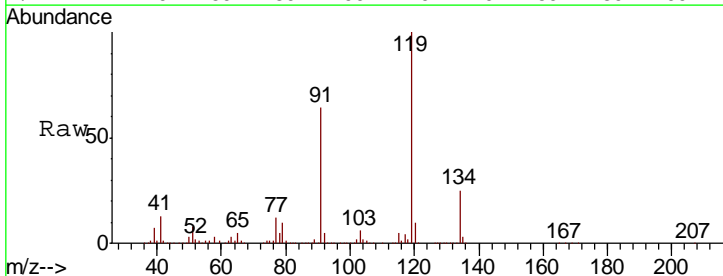
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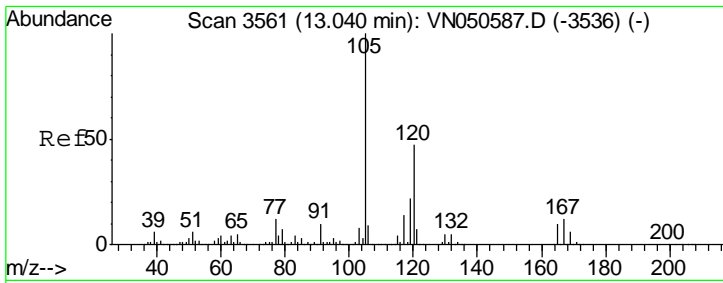


#83
 tert-Butylbenzene
 Concen: 49.15 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion: 119 Resp: 1190003

Ion	Ratio	Lower	Upper
119	100		
91	63.5	32.2	96.6
134	24.8	13.4	40.2



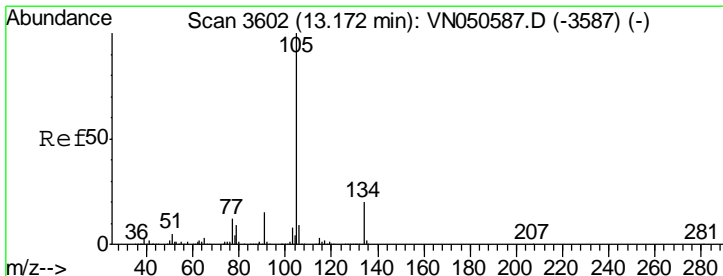
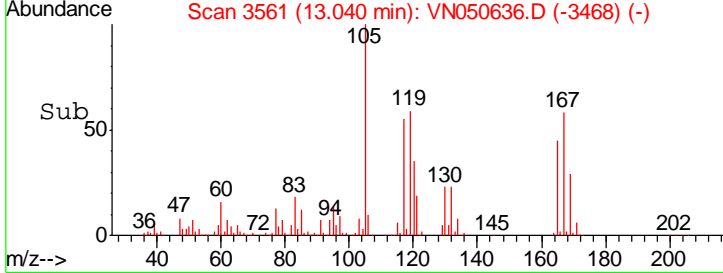
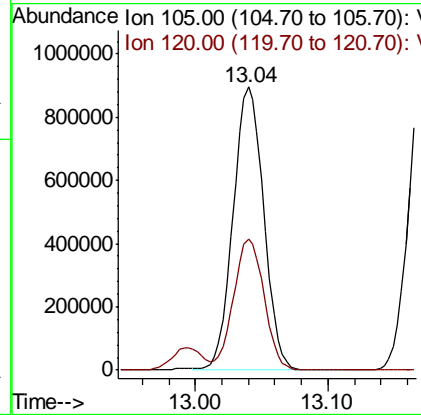
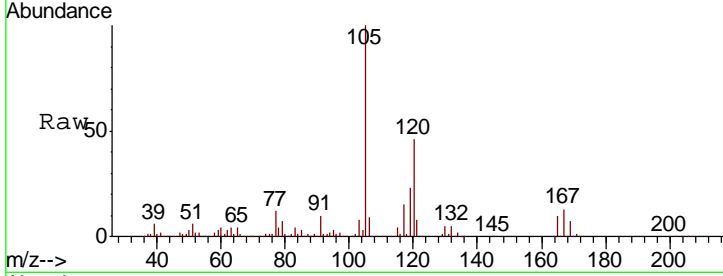


#84
 1,2,4-Trimethylbenzene
 Concen: 51.13 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

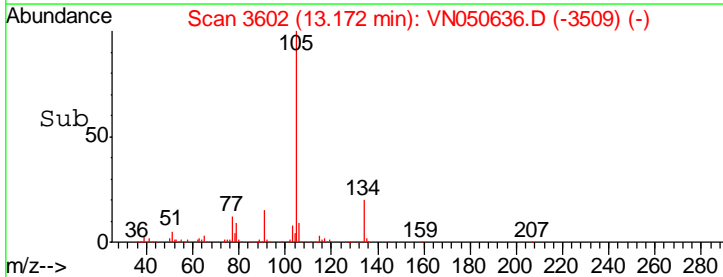
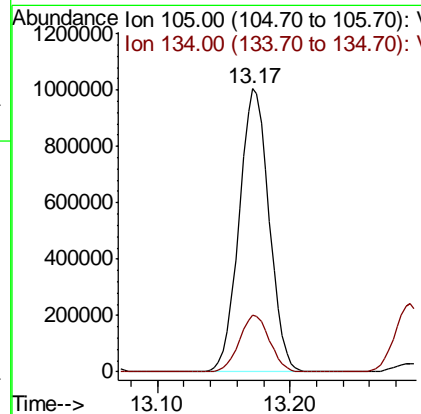
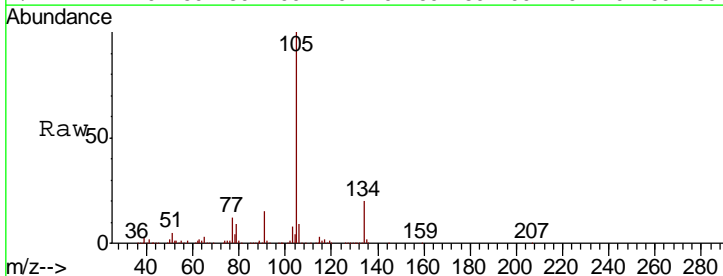
Tgt Ion	Resp	Lower	Upper
105	1431381		
120	46.5	23.2	69.5

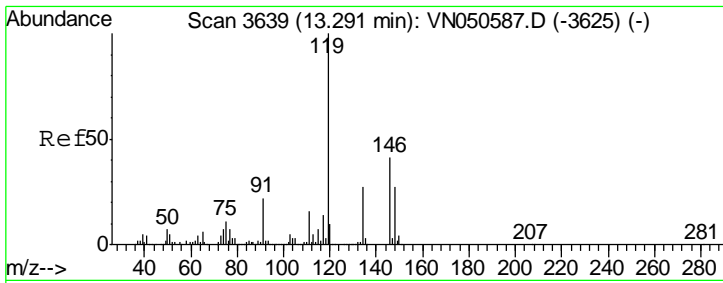
Manual Integrations
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#85
 sec-Butylbenzene
 Concen: 49.65 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
105	1570848		
134	20.3	10.1	30.3





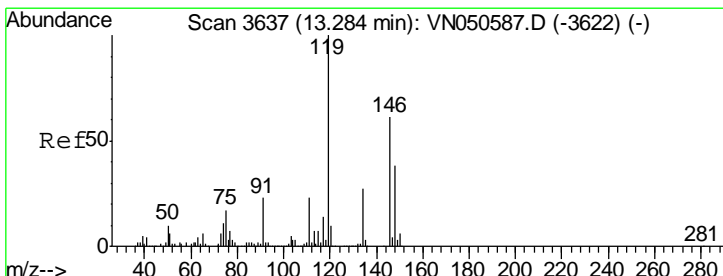
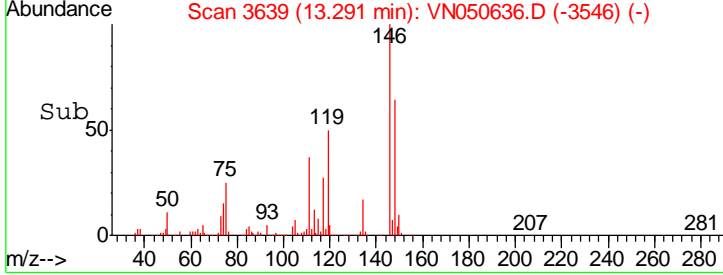
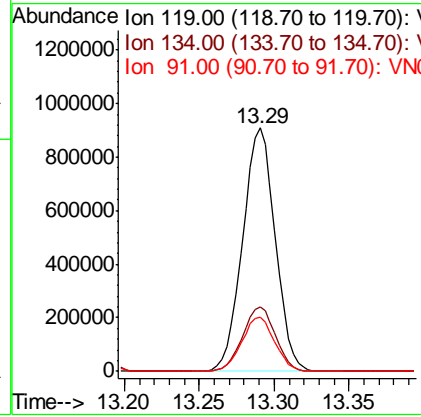
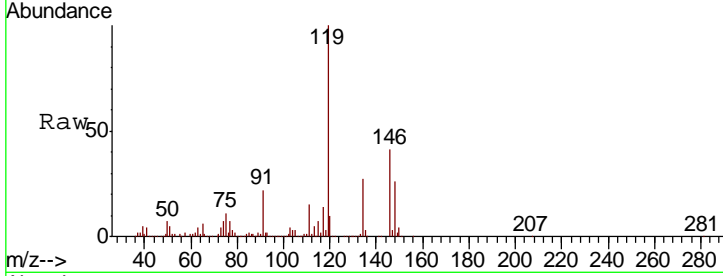
#86
 p-Isopropyltoluene
 Concen: 51.18 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

Tgt Ion: 119 Resp: 1372015

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.4
91	22.4	11.2	33.6

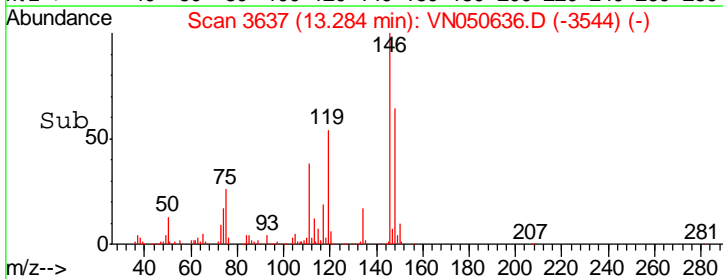
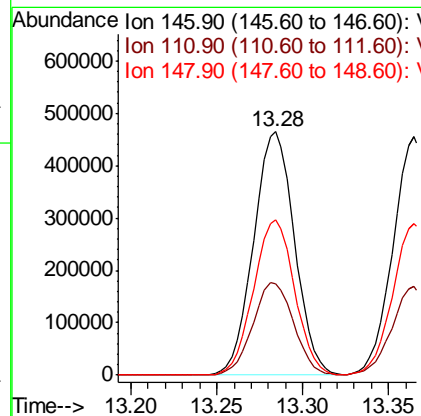
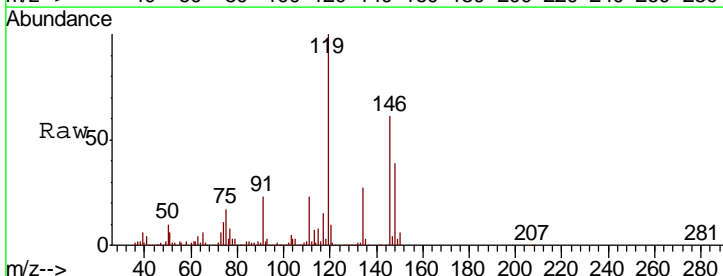
Manual Integrations
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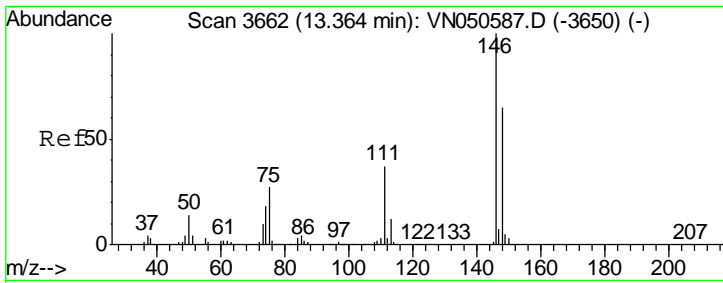


#87
 1,3-Dichlorobenzene
 Concen: 47.60 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion: 146 Resp: 766405

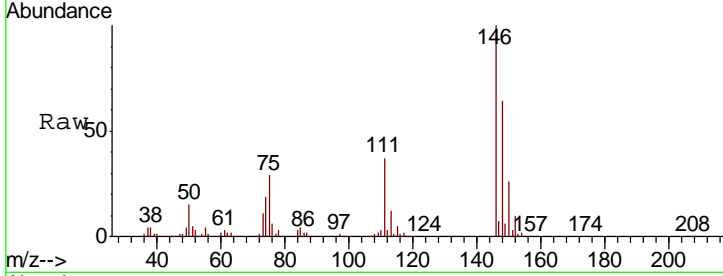
Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.2	57.6
148	63.9	31.9	95.7





#88
 1,4-Dichlorobenzene
 Concen: 46.16 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

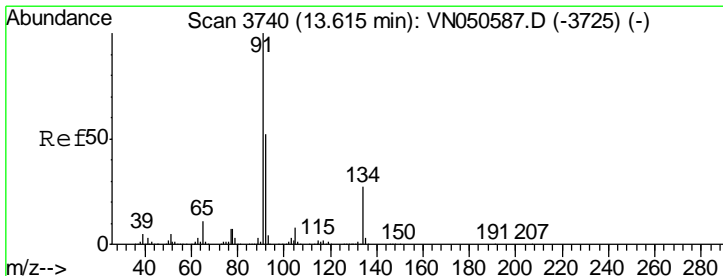
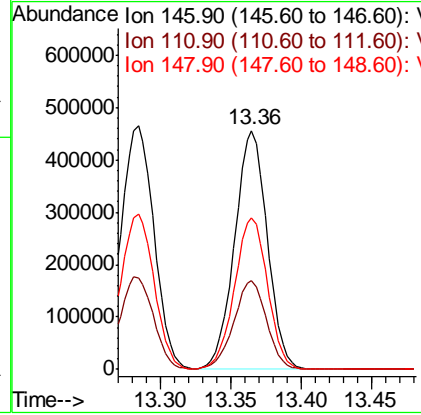
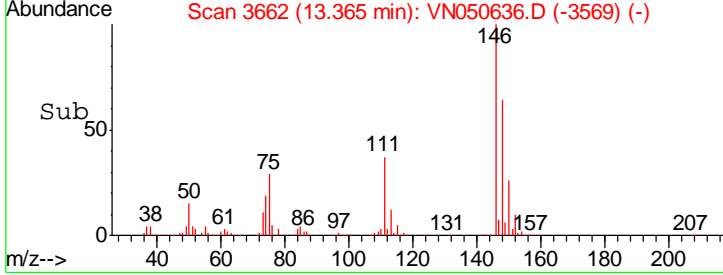
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS



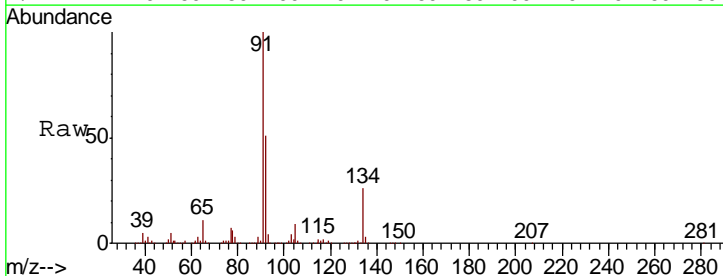
Tgt Ion: 146 Resp: 737636

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	64.3	32.3	96.8

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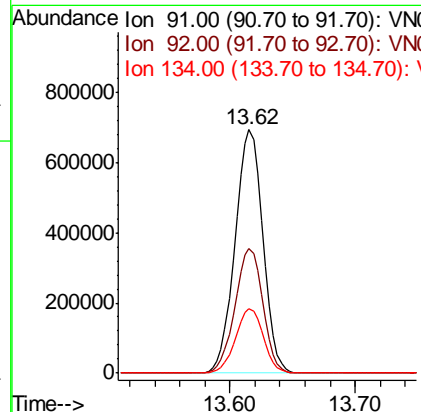
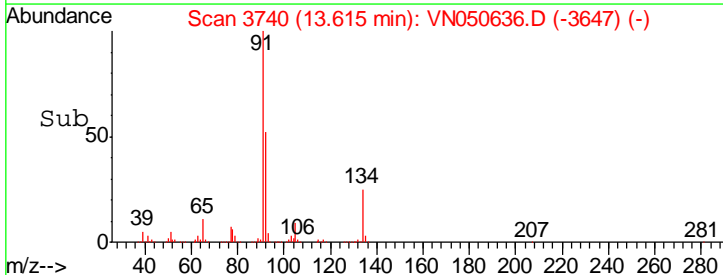


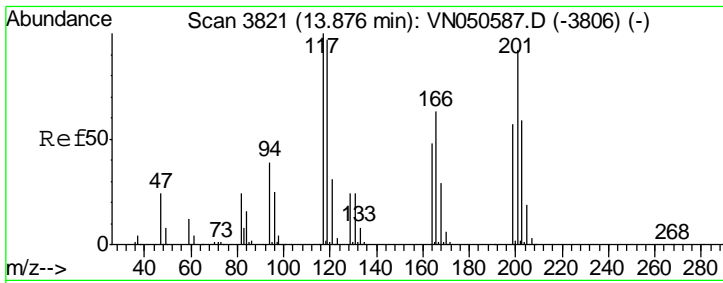
#89
 n-Butylbenzene
 Concen: 49.20 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59



Tgt Ion: 91 Resp: 1065138

Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.3	78.8
134	26.4	13.3	39.9



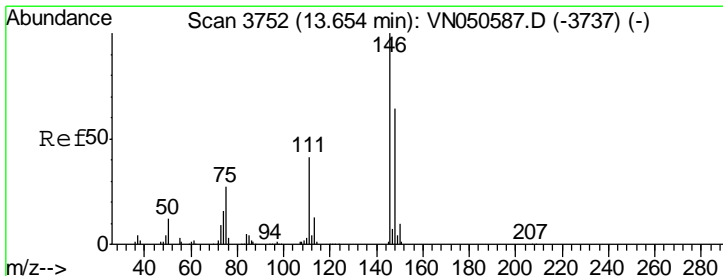
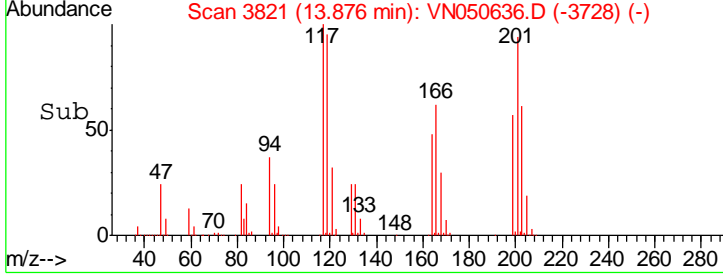
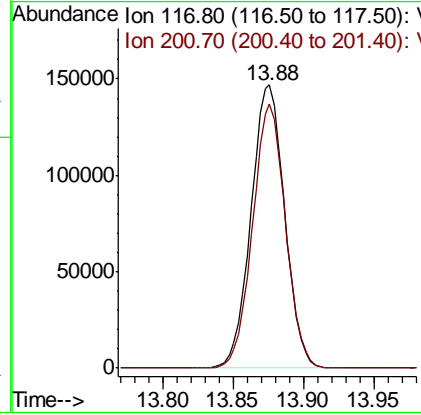
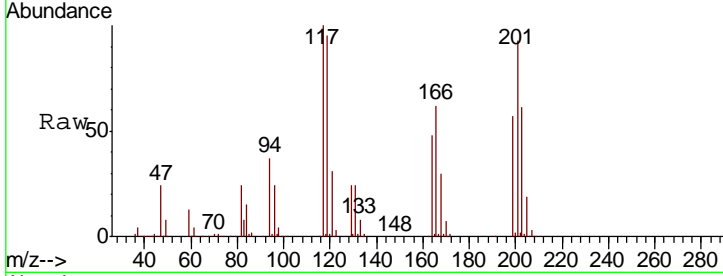


#90
 Hexachloroethane
 Concen: 45.57 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

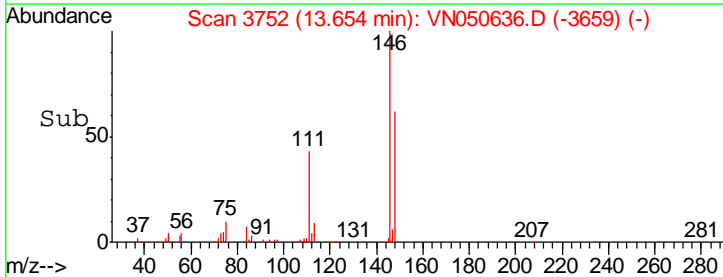
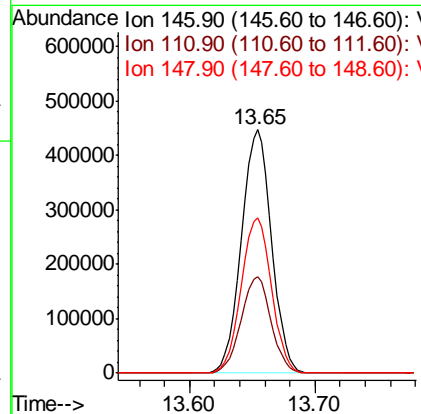
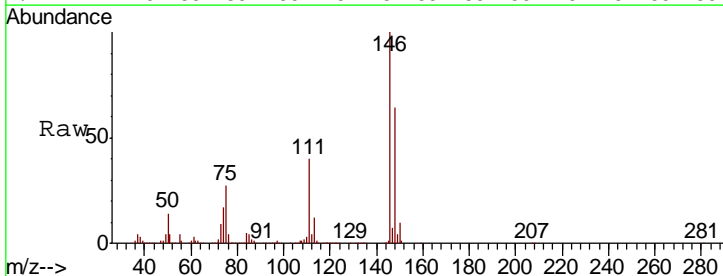
Tgt Ion	Resp	Lower	Upper
117	100		
201	91.0	45.5	136.5

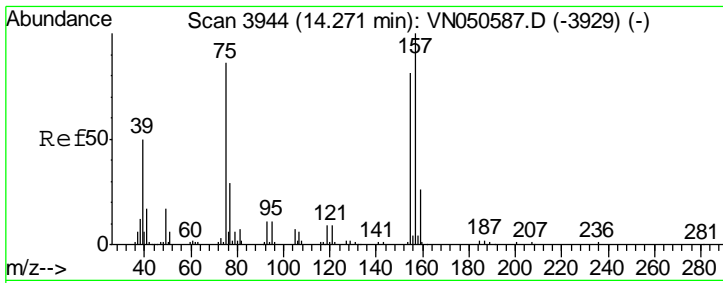
Manual Integrations
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#91
 1,2-Dichlorobenzene
 Concen: 47.39 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	64.2	32.3	96.8



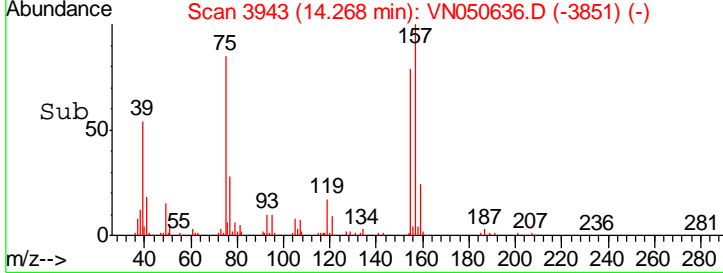
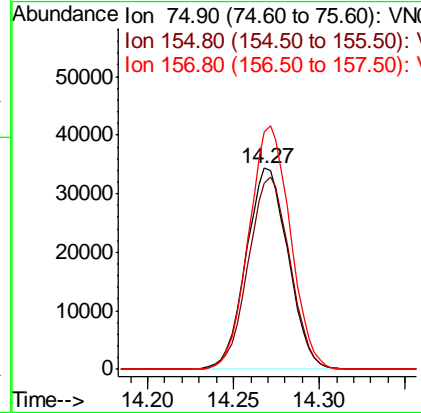
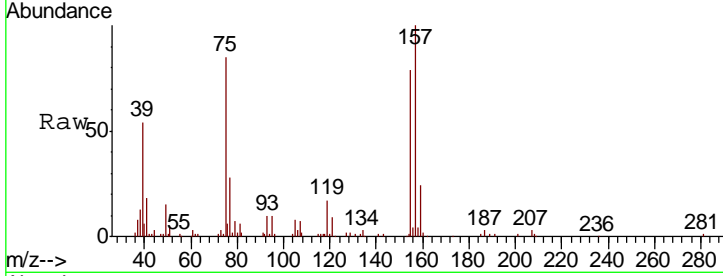


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.96 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

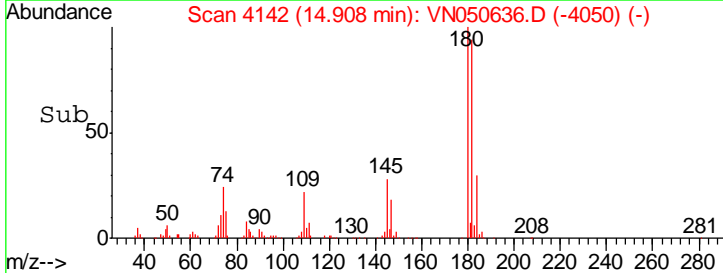
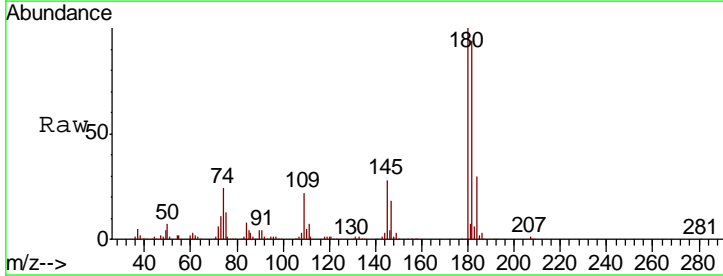
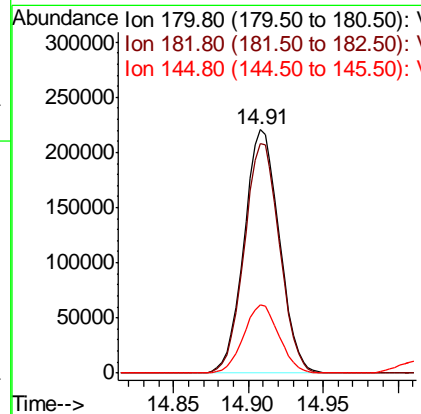
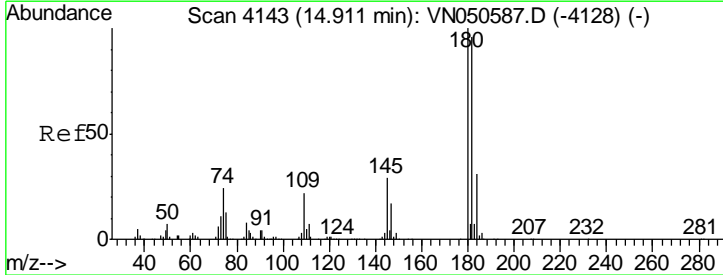
Tgt Ion	Resp	Lower	Upper
75	58362		
75	100		
155	94.4	46.6	139.8
157	119.6	58.1	174.2

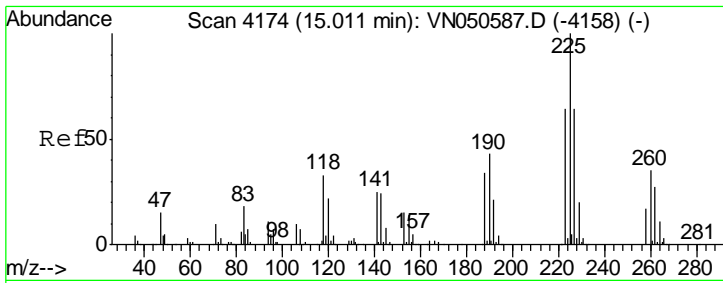
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#93
 1,2,4-Trichlorobenzene
 Concen: 45.09 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

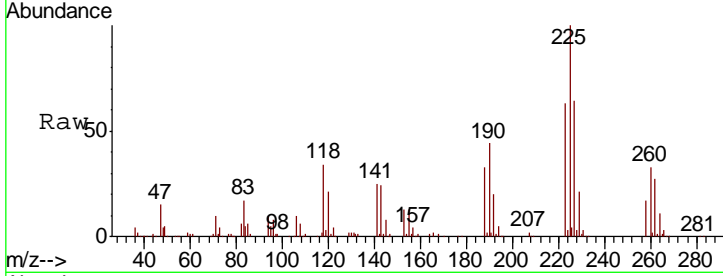
Tgt Ion	Resp	Lower	Upper
180	361254		
180	100		
182	94.4	47.9	143.7
145	28.0	14.4	43.4





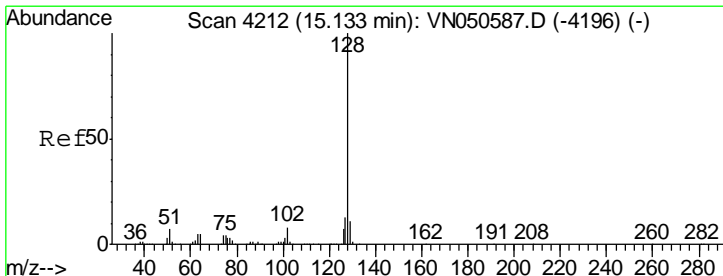
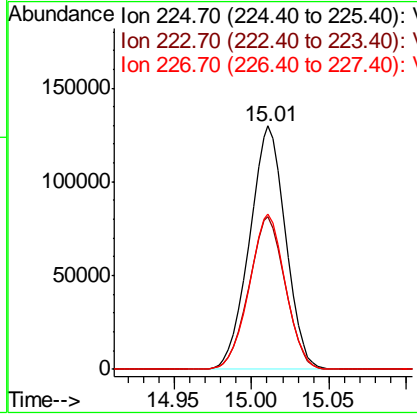
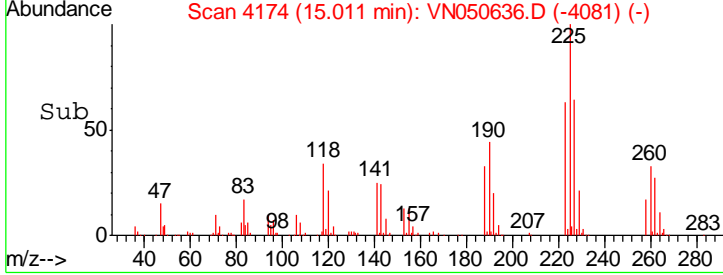
#94
 Hexachlorobutadiene
 Concen: 43.70 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS

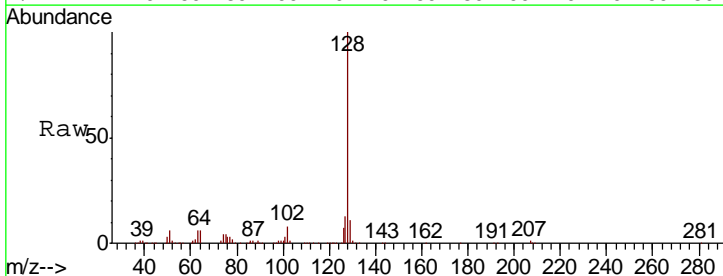


Tgt Ion	Resp	Lower	Upper
225	100		
223	63.1	32.1	96.3
227	63.8	32.0	96.2

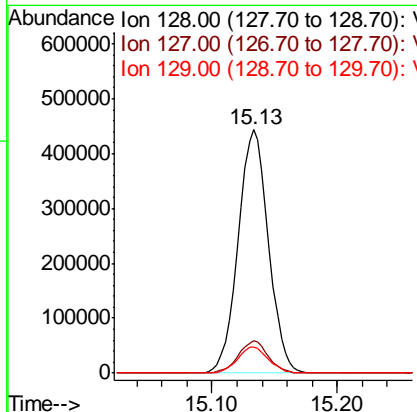
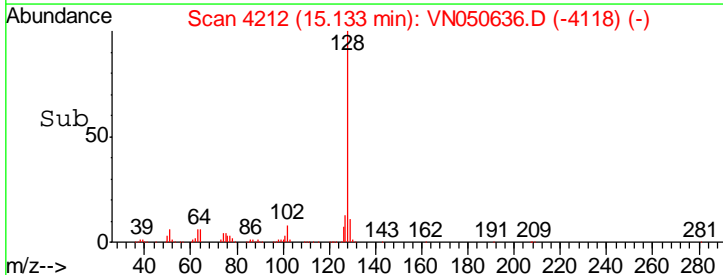
Manual Integrations
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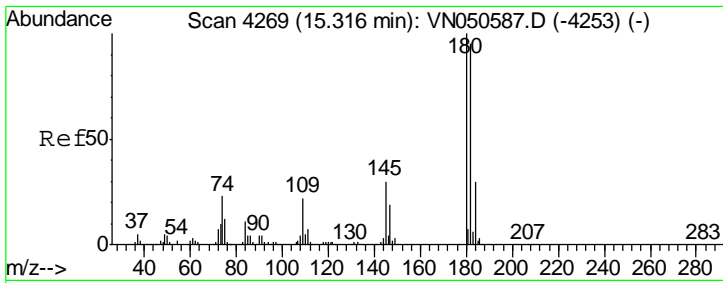


#95
 Naphthalene
 Concen: 43.88 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59



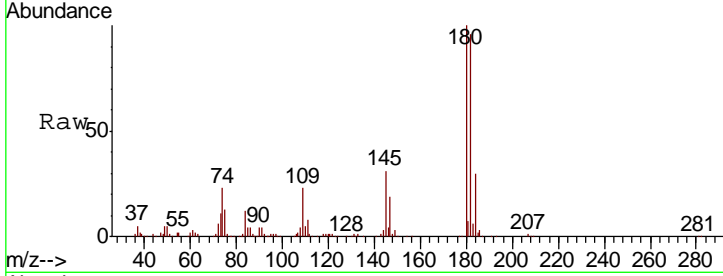
Tgt Ion	Resp	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.9	8.5	12.7





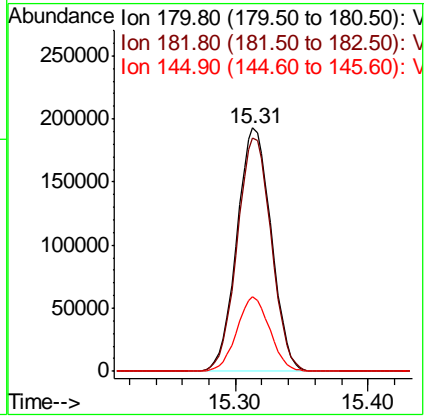
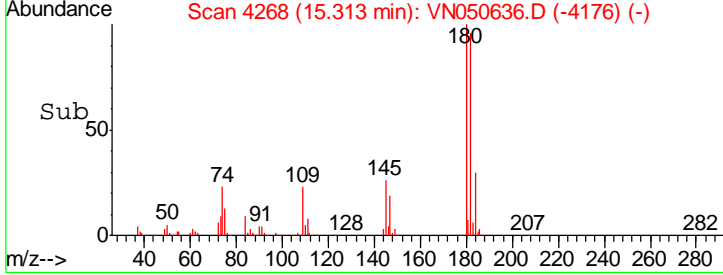
#96
 1,2,3-Trichlorobenzene
 Concen: 46.17 ug/l
 RT: 15.31 min Scan# 4268
 Delta R.T. -0.00 min
 Lab File: VN050636.D
 Acq: 15 Aug 2018 5:59

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MS



Tot Ion	Ion	Ratio	Lower	Upper
346476	180	100		
	182	95.4	47.3	141.8
	145	29.5	14.6	44.0

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	944-MW-05(17)MSD	SDG No.:	J4465
Lab Sample ID:	J4465-07MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050637.D	1		08/15/18 06:23	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	44.3		0.2	0.2	1	ug/L
74-87-3	Chloromethane	49		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	46.6		0.2	0.2	1	ug/L
74-83-9	Bromomethane	51.8		0.2	0.2	1	ug/L
75-00-3	Chloroethane	50.2		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	46		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	45.1		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	48.1		0.2	0.2	1	ug/L
67-64-1	Acetone	250		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	46.9		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	51.3		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	47.1		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	50.7		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	48.3		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	47.7		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	48.6		0.2	0.2	1	ug/L
78-93-3	2-Butanone	240		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	47.6		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	48.9		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	49.7		0.2	0.5	1	ug/L
67-66-3	Chloroform	47.2		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	47.5		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	49.5		0.2	0.2	1	ug/L
71-43-2	Benzene	49.6		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	48.2		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	48.7		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	49.3		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	48.1		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	250		1	1	5	ug/L
108-88-3	Toluene	50.4		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	48.4		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	48.3		0.2	0.2	1	ug/L

**Report of Analysis**

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	944-MW-05(17)MSD	SDG No.:	J4465
Lab Sample ID:	J4465-07MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050637.D	1		08/15/18 06:23	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	47.8		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	250		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	50		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	49.4		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	97		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	48.9		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	52.3		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	100		0.4	0.4	2	ug/L
95-47-6	o-Xylene	52.7		0.2	0.2	1	ug/L
100-42-5	Styrene	48.1		0.2	0.2	1	ug/L
75-25-2	Bromoform	48.2		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	52.2		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	52.6		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	48.8		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	47.9		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	48.8		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	47.4		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.4		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	48.7		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.3		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		69 - 133		99%	SPK: 50
2037-26-5	Toluene-d8	49.4		65 - 126		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		58 - 135		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	669270	7.667				
540-36-3	1,4-Difluorobenzene	988799	8.587				
3114-55-4	Chlorobenzene-d5	893147	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	442048	13.345				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	944-MW-05(17)MSD	SDG No.:	J4465
Lab Sample ID:	J4465-07MSD	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050637.D	1		08/15/18 06:23	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050637.D
 Acq On : 15 Aug 2018 6:23
 Operator : MD\SY
 Sample : J4465-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MSD

Manual Integrations
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MMDadoda
 8/15/2018 3:32:49 PM

Quant Time: Aug 15 14:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	669270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	988799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	893147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	442048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	415850	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.59	113	389362	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	10.09	98	1467847	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	471963	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	334538	44.34	ug/l	99
3) Chloromethane	2.06	50	450227	48.96	ug/l	99
4) Vinyl Chloride	2.18	62	467282	46.62	ug/l	99
5) Bromomethane	2.56	94	278642	51.80	ug/l	98
6) Chloroethane	2.70	64	279574	50.20	ug/l	100
7) Trichlorofluoromethane	3.01	101	604438	45.96	ug/l	99
8) Diethyl Ether	3.41	74	217193	49.65	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	358942	45.13	ug/l	100
10) Methyl Iodide	3.95	142	291333	51.32	ug/l	100
11) Tert butyl alcohol	4.79	59	111303	241.63	ug/l	# 72
12) 1,1-Dichloroethene	3.74	96	349018	48.06	ug/l	97
13) Acrolein	3.61	56	38294	216.87	ug/l	98
14) Allyl chloride	4.33	41	539697	47.78	ug/l	99
15) Acrylonitrile	4.99	53	614835	243.02	ug/l	99
16) Acetone	3.82	43	518681	246.22	ug/l	99
17) Carbon Disulfide	4.05	76	1072710	46.94	ug/l	100
18) Methyl Acetate	4.33	43	279330	47.09	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	948522	51.32	ug/l	100
20) Methylene Chloride	4.55	84	406650	50.73	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	380388	48.32	ug/l	100
22) Diisopropyl ether	5.96	45	1197832	51.72	ug/l	99
23) Vinyl Acetate	5.90	43	3788589	250.07	ug/l	100
24) 1,1-Dichloroethane	5.85	63	714851	47.70	ug/l	100
25) 2-Butanone	6.84	43	825459	238.65	ug/l	100
26) 2,2-Dichloropropane	6.83	77	401905	40.07	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	428504	48.88	ug/l	99
28) Bromochloromethane	7.20	49	338615	49.65	ug/l	99
29) Tetrahydrofuran	7.22	42	450894	249.66	ug/l	99
30) Chloroform	7.37	83	716655	47.19	ug/l	99
31) Cyclohexane	7.66	56	622029	48.63	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	607046	47.49	ug/l	100
36) 1,1-Dichloropropene	7.80	75	544203	49.44	ug/l	99
37) Ethyl Acetate	6.93	43	303187	48.73	ug/l	99
38) Carbon Tetrachloride	7.78	117	543571	47.60	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050637.D
 Acq On : 15 Aug 2018 6:23
 Operator : MD\SY
 Sample : J4465-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MSD

Manual Integrations
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 8/15/2018 3:32:49 PM

Quant Time: Aug 15 14:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	564022	49.49	ug/l	100
40) Benzene	8.04	78	1661017	49.60	ug/l	99
41) Methacrylonitrile	7.18	41	157640	46.86	ug/l	92
42) 1,2-Dichloroethane	8.13	62	494673	48.20	ug/l	99
43) Isopropyl Acetate	8.17	43	536802	47.34	ug/l	97
44) Trichloroethene	8.84	130	436690	48.68	ug/l	98
45) 1,2-Dichloropropane	9.12	63	439747	49.33	ug/l	99
46) Dibromomethane	9.21	93	251057	47.69	ug/l	97
47) Bromodichloromethane	9.40	83	540708	48.06	ug/l	100
48) Methyl methacrylate	9.20	41	274745	48.15	ug/l	99
49) 1,4-Dioxane	9.20	88	72762	968.06	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1918835	250.22	ug/l	100
52) Toluene	10.16	92	1007301	50.38	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	507639	48.44	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	580292	48.27	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	357243	47.83	ug/l	99
56) Ethyl methacrylate	10.43	69	446719	47.00	ug/l	99
57) 1,3-Dichloropropane	10.71	76	602327	49.19	ug/l	99
59) 2-Hexanone	10.75	43	1238919	250.32	ug/l	99
60) Dibromochloromethane	10.90	129	411905	49.97	ug/l	99
61) 1,2-Dibromoethane	11.01	107	351690	49.44	ug/l	99
64) Tetrachloroethene	10.63	164	804718	97.02	ug/l	98
65) Chlorobenzene	11.43	112	1087858	48.94	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	410145	49.22	ug/l	100
67) Ethyl Benzene	11.51	91	1875191	52.25	ug/l	100
68) m/p-Xylenes	11.62	106	1429340	104.12	ug/l	100
69) o-Xylene	11.95	106	690198	52.73	ug/l	100
70) Styrene	11.96	104	1117700	48.05	ug/l	100
71) Bromoform	12.13	173	266204	48.18	ug/l #	98
73) Isopropylbenzene	12.25	105	1802332	52.19	ug/l	100
74) N-amyl acetate	12.07	43	443864	49.40	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	421051	52.63	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	350664m	49.08	ug/l	
77) Bromobenzene	12.53	156	453207	48.33	ug/l	98
78) n-propylbenzene	12.59	91	2020730	52.47	ug/l	100
79) 2-Chlorotoluene	12.68	91	1209539	50.37	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1468933	53.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	96357	48.46	ug/l	97
82) 4-Chlorotoluene	12.77	91	1220735	51.45	ug/l	99
83) tert-Butylbenzene	12.99	119	1265992	52.74	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1488887	53.64	ug/l	100
85) sec-Butylbenzene	13.17	105	1625727	51.83	ug/l	99
86) p-Isopropyltoluene	13.29	119	1416119	53.28	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	779242	48.82	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	759466	47.94	ug/l	100
89) n-Butylbenzene	13.62	91	1100143	51.26	ug/l	99
90) Hexachloroethane	13.87	117	257037	48.09	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	760363	48.82	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58385	47.38	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	369360	46.42	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050637.D
 Acq On : 15 Aug 2018 6:23
 Operator : MD\SY
 Sample : J4465-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MSD

Manual Integrations
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Quant Time: Aug 15 14:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	216619	45.37	ug/l	98
95) Naphthalene	15.13	128	777979	46.08	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	362882	48.66	ug/l	99

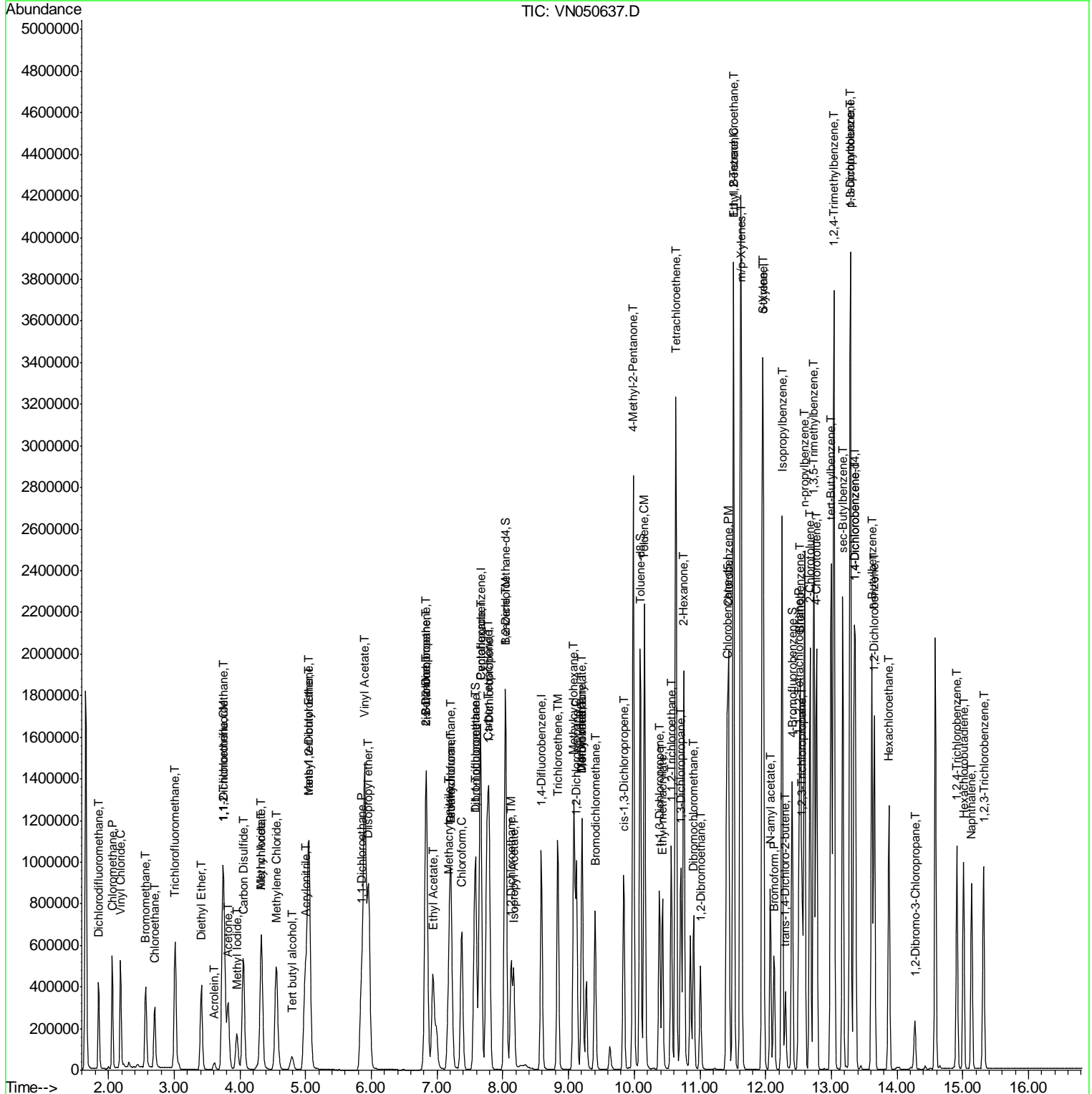
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050637.D
 Acq On : 15 Aug 2018 6:23
 Operator : MD\SY
 Sample : J4465-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

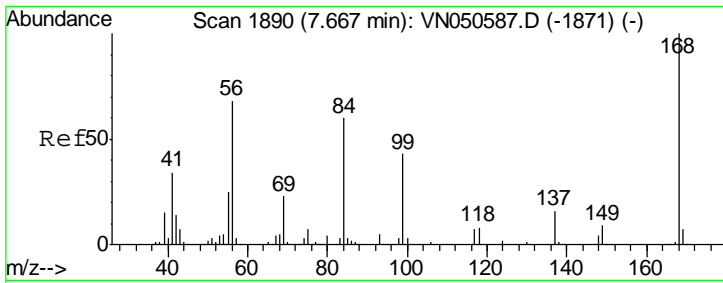
Instrument :
 MSVOA_N
 Client Sample Id :
 944-MW-05(17)MSD

Manual Integrations
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 8/15/2018 3:32:49 PM

Quant Time: Aug 15 14:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

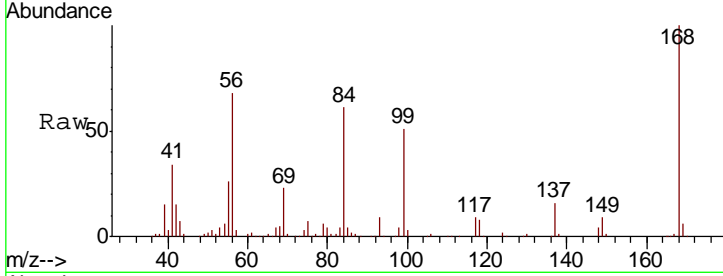


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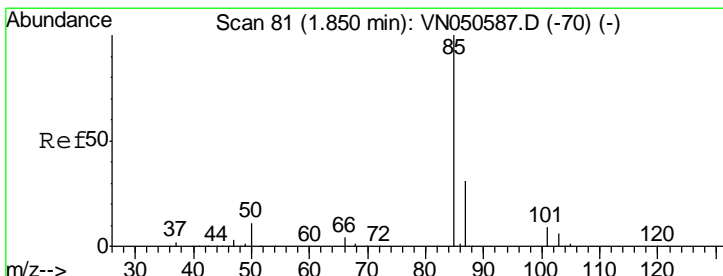
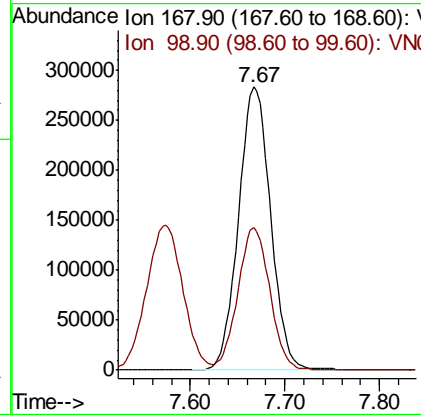
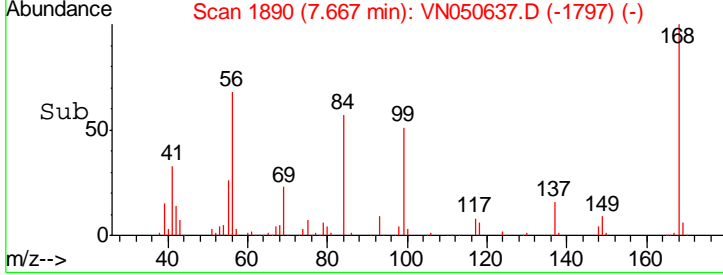
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 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

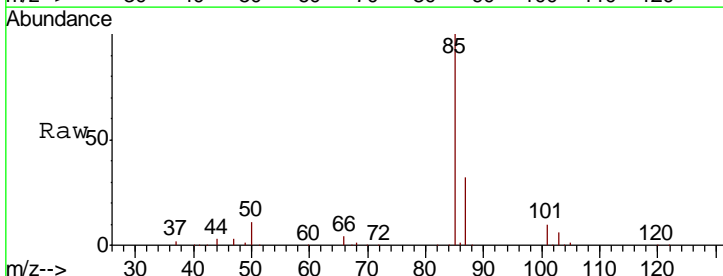


Tgt Ion: 168 Resp: 669270
 Ion Ratio Lower Upper
 168 100
 99 50.4 40.8 61.2

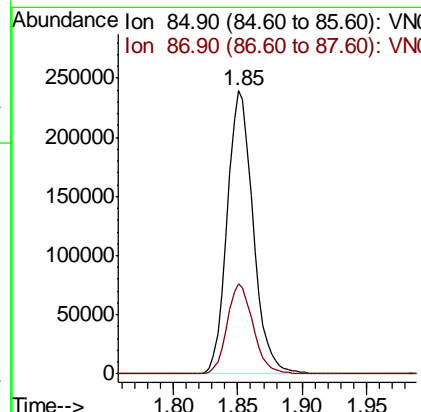
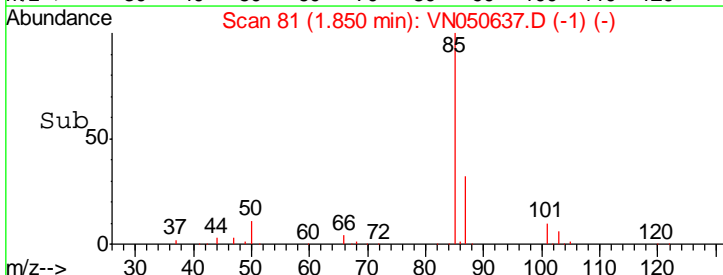
Manual Integrations APPROVED
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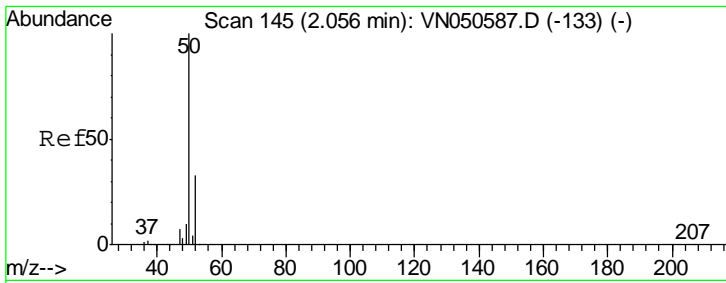


#2
 Dichlorodifluoromethane
 Concen: 44.34 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23



Tgt Ion: 85 Resp: 334538
 Ion Ratio Lower Upper
 85 100
 87 31.9 15.8 47.3





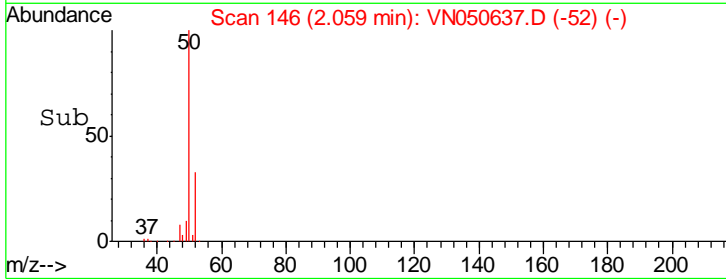
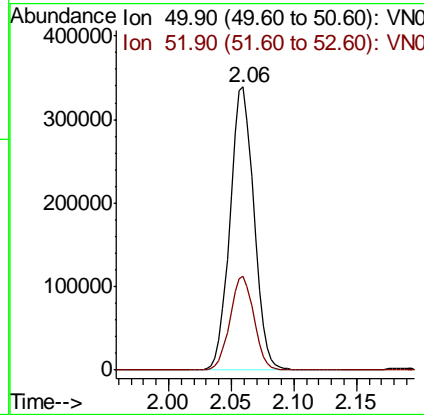
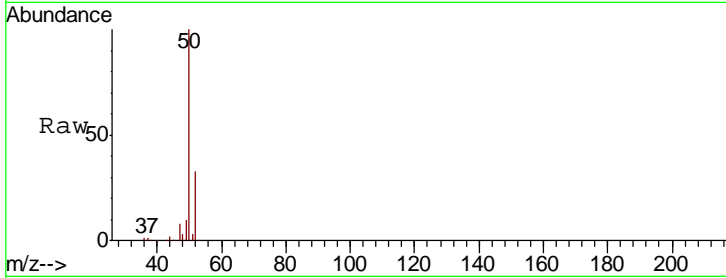
#3
 Chloromethane
 Concen: 48.96 ug/l
 RT: 2.06 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument :
 MSVOA_N
 Client Sampled :
 944-MW-05(17)MSD

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.2	26.0	39.0

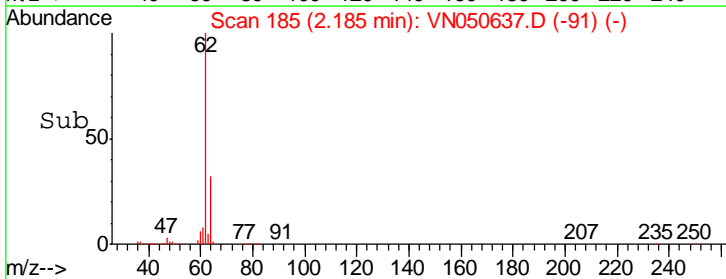
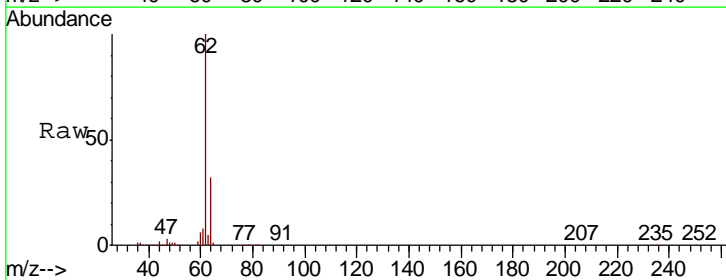
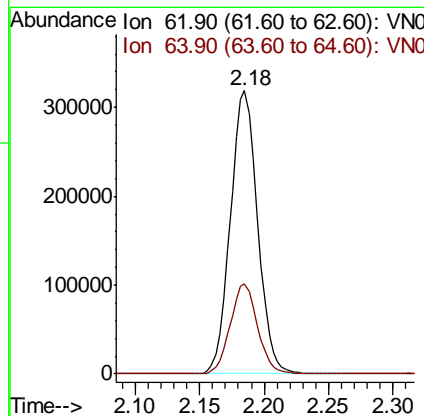
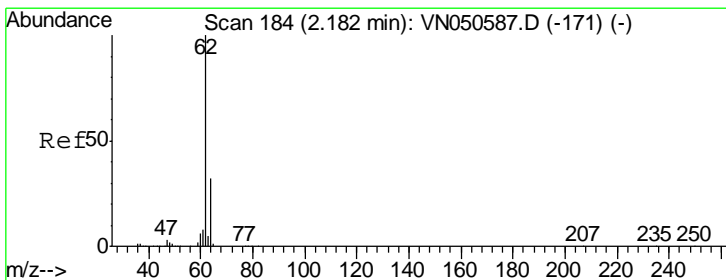
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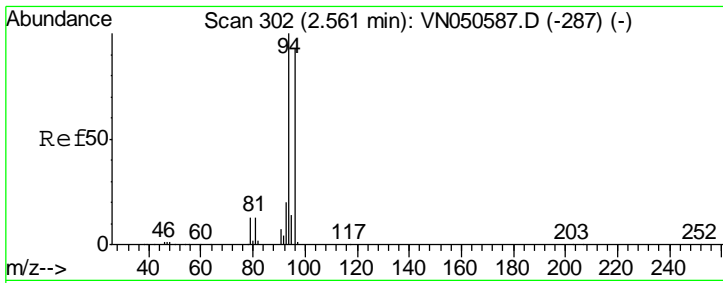
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#4
 Vinyl Chloride
 Concen: 46.62 ug/l
 RT: 2.18 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.8	25.2	37.8



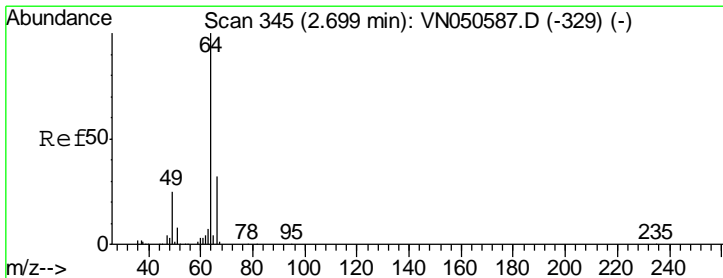
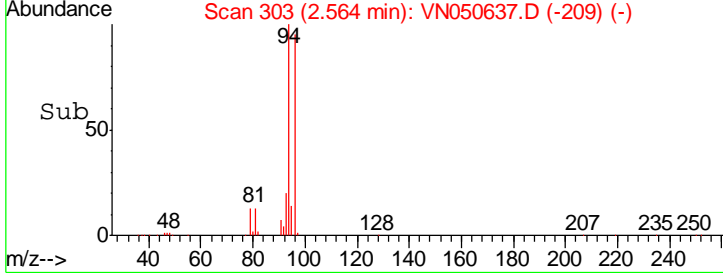
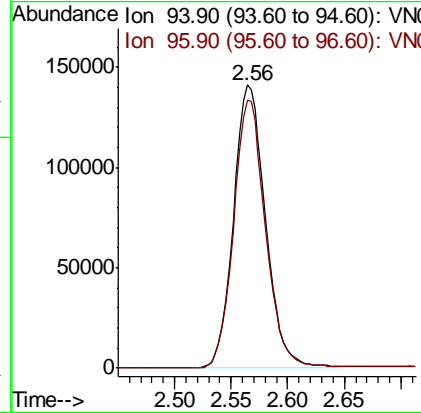
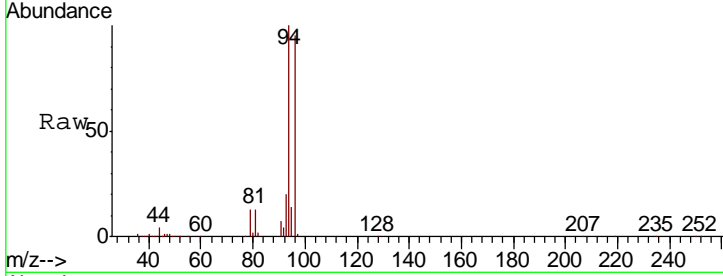


#5
 Bromomethane
 Concen: 51.80 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
94	100		
96	94.7	74.0	111.0

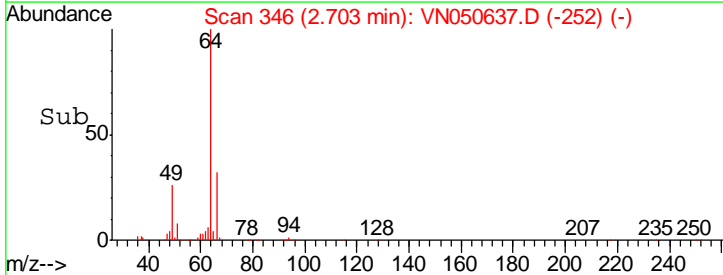
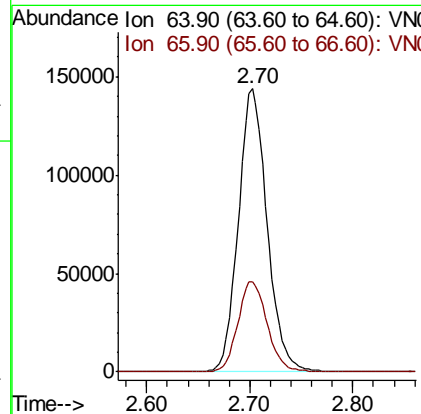
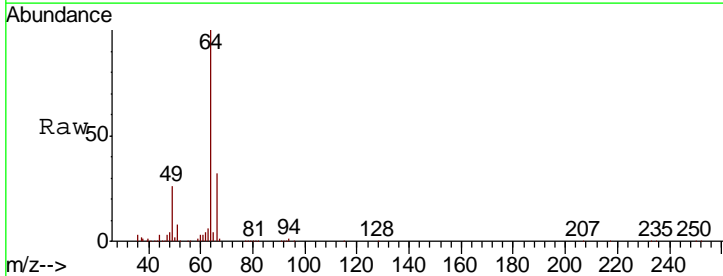
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 Client Sampled : 944-MW-05(17)MSD

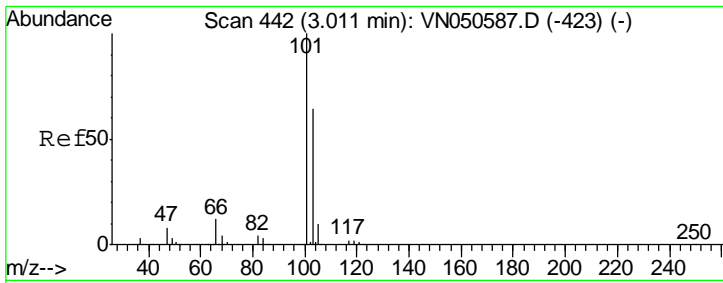
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 8/15/2018 3:32:49 PM



#6
 Chloroethane
 Concen: 50.20 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.0	25.7	38.5



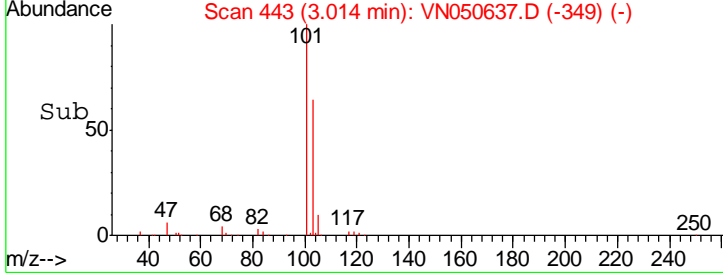
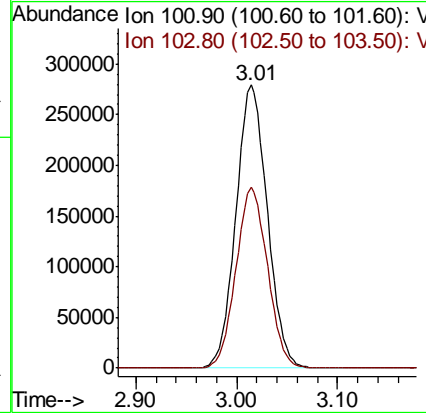
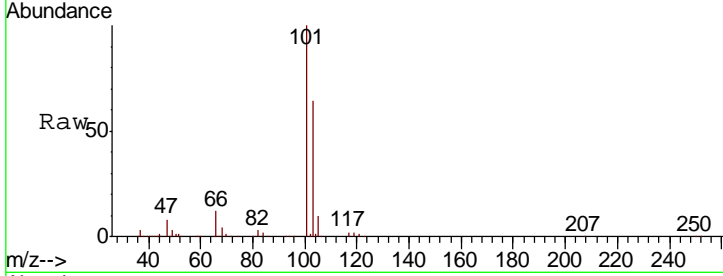


#7
 Trichlorofluoromethane
 Concen: 45.96 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
101	100		
103	63.7	51.4	77.0

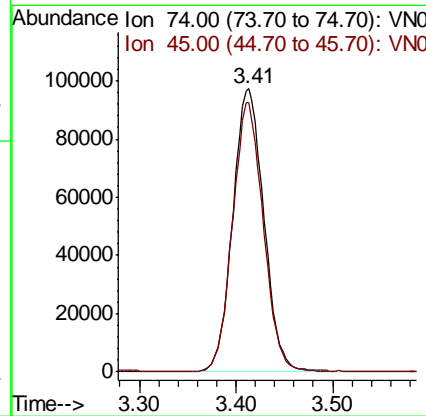
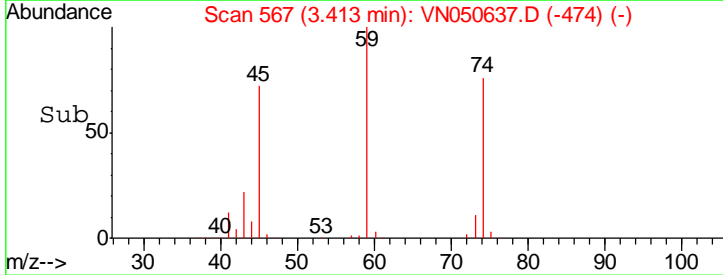
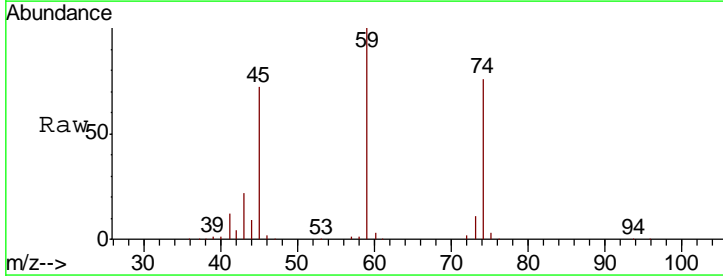
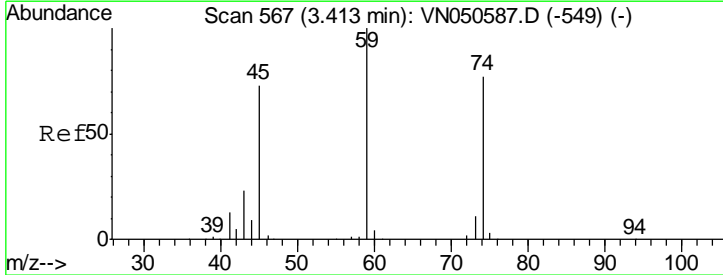
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

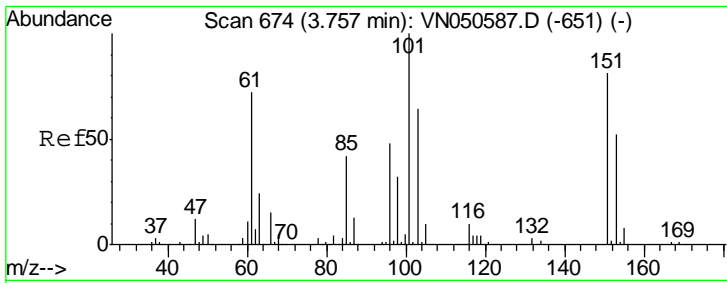
Manual Integrations APPROVED
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 8/15/2018 3:32:49 PM



#8
 Diethyl Ether
 Concen: 49.65 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

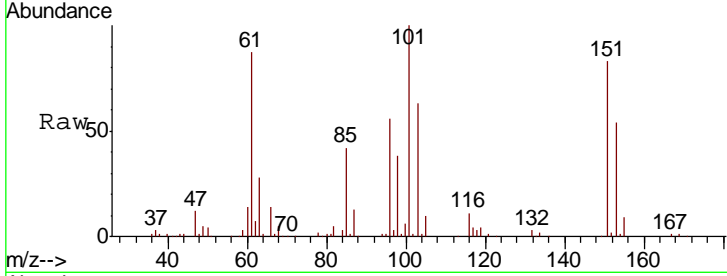
Tgt Ion	Resp	Lower	Upper
74	100		
45	94.4	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.13 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

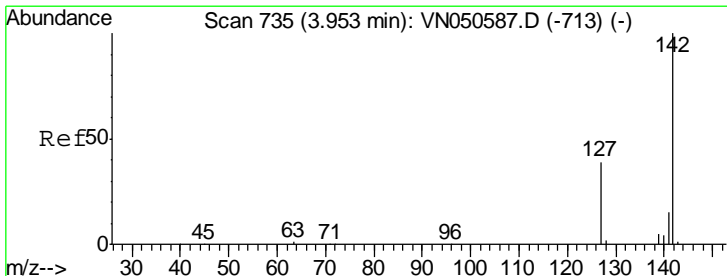
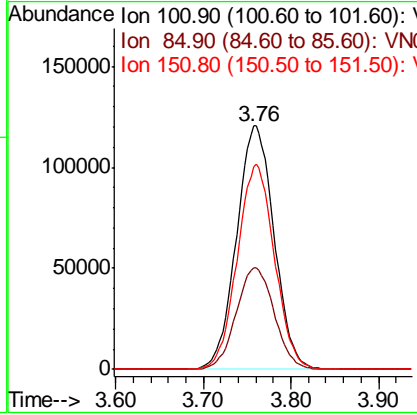
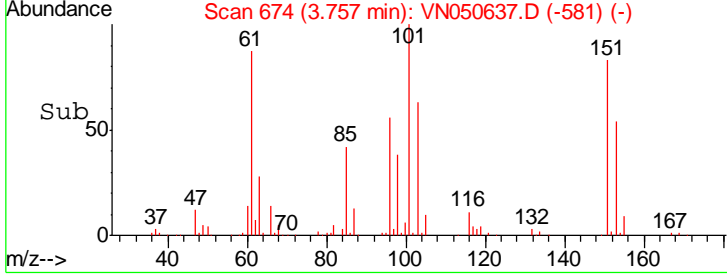
Instrument :
 MSVOA_N
 ClientSampled :
 944-MW-05(17)MSD



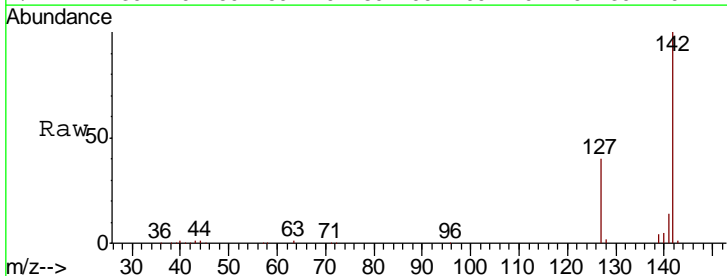
Tgt Ion: 101 Resp: 358942

Ion	Ratio	Lower	Upper
101	100		
85	42.1	33.4	50.0
151	83.3	66.6	100.0

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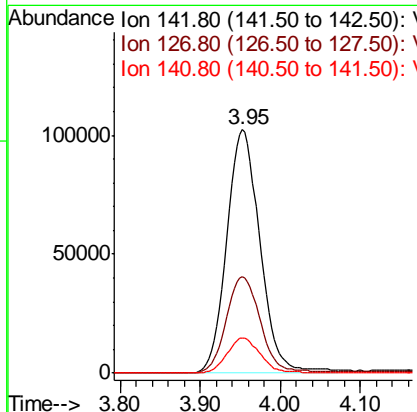
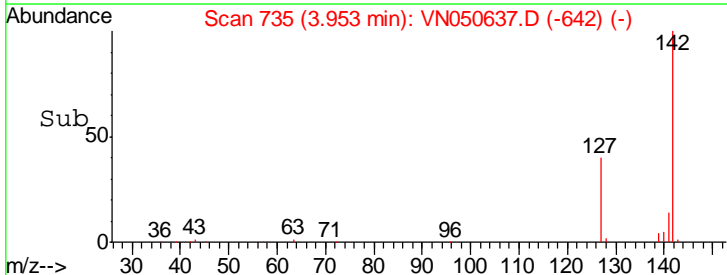


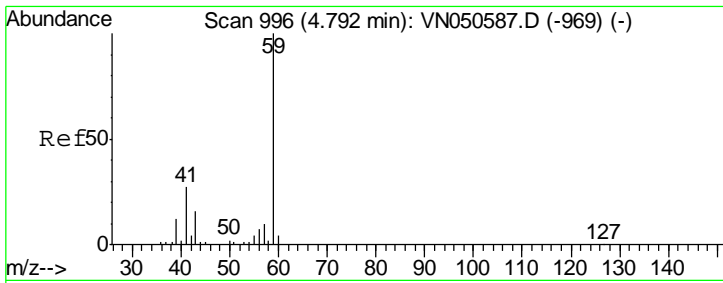
#10
 Methyl Iodide
 Concen: 51.32 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23



Tgt Ion: 142 Resp: 291333

Ion	Ratio	Lower	Upper
142	100		
127	40.7	32.6	49.0
141	14.1	11.5	17.3





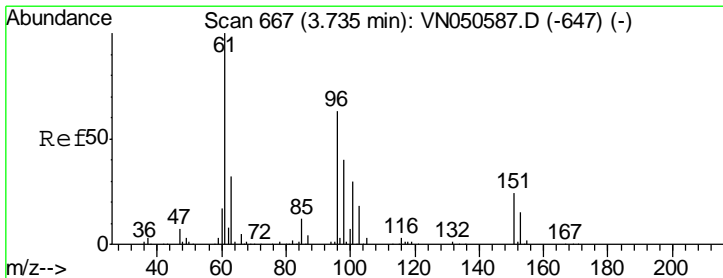
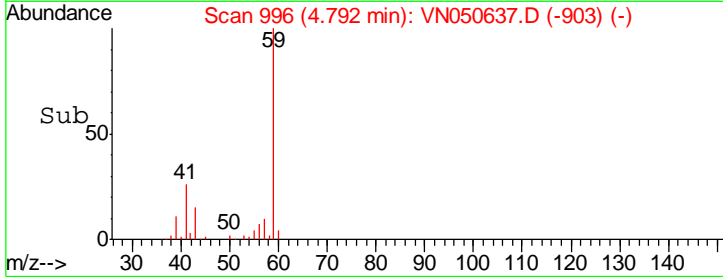
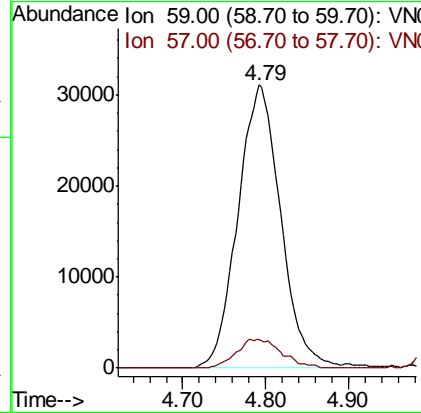
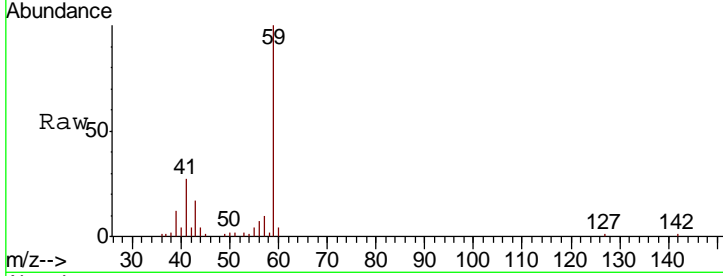
#11
 Tert butyl alcohol
 Concen: 241.63 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

Tgt Ion	Resp	Lower	Upper
59	111303		
57	0.0	8.4	12.6#

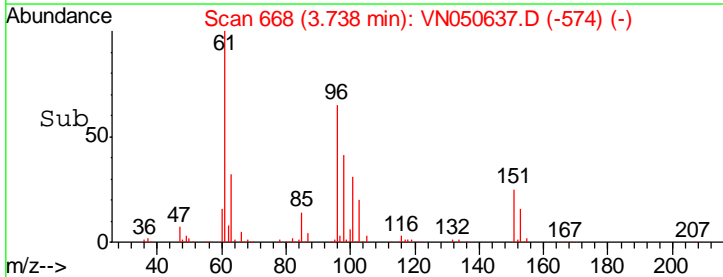
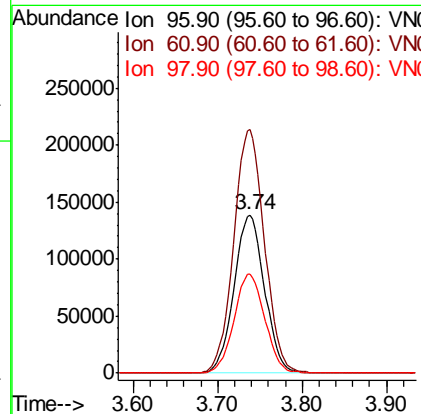
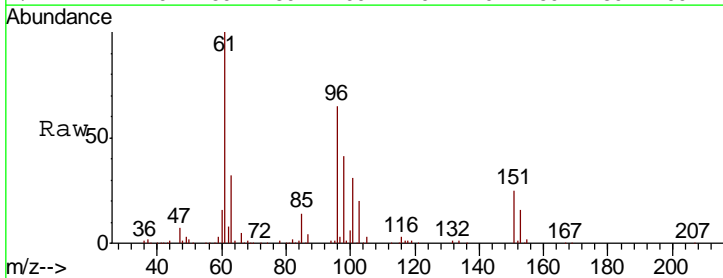
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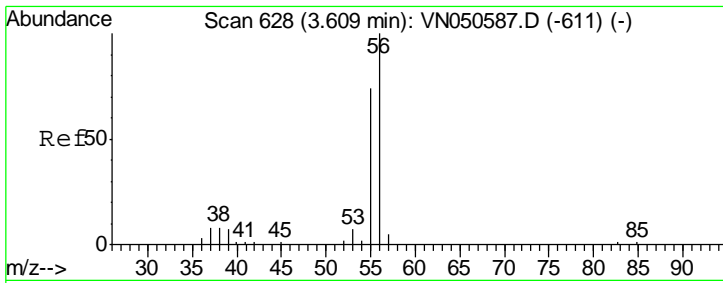
MMDadoda
 8/15/2018 3:32:49 PM



#12
 1,1-Dichloroethene
 Concen: 48.06 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
96	349018		
61	153.6	126.9	190.3
98	62.3	51.1	76.7





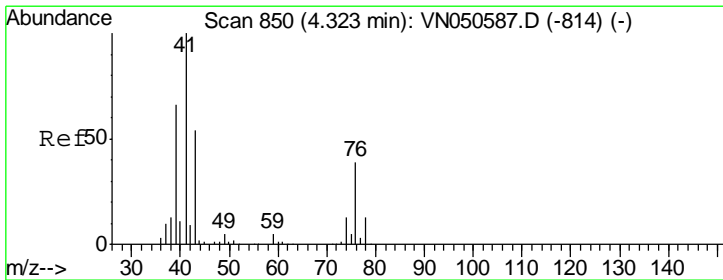
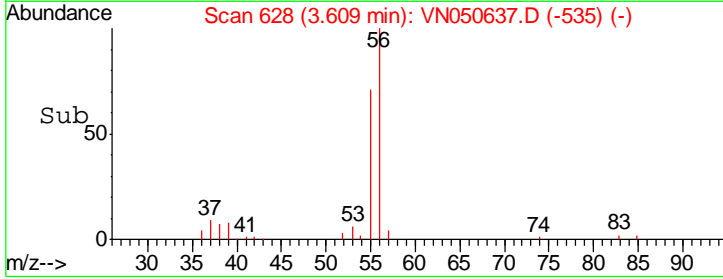
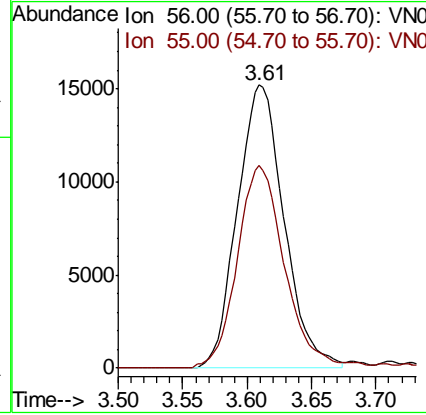
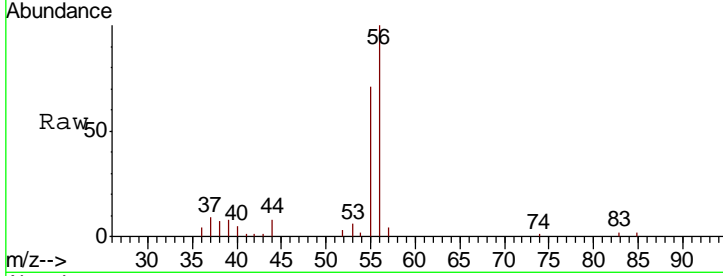
#13
 Acrolein
 Concen: 216.87 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument :
 MSVOA_N
 ClientSampled :
 944-MW-05(17)MSD

Tgt Ion	Resp	Lower	Upper
56	38294		
55	71.9	56.3	84.5

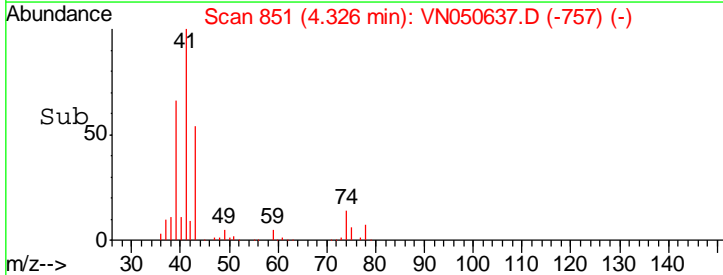
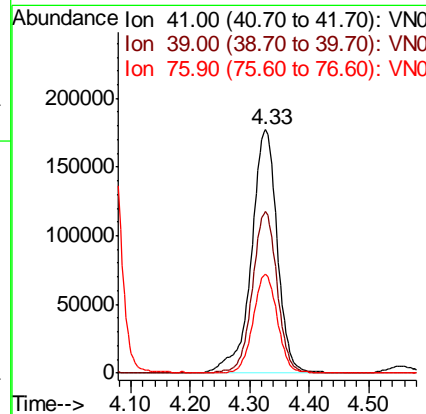
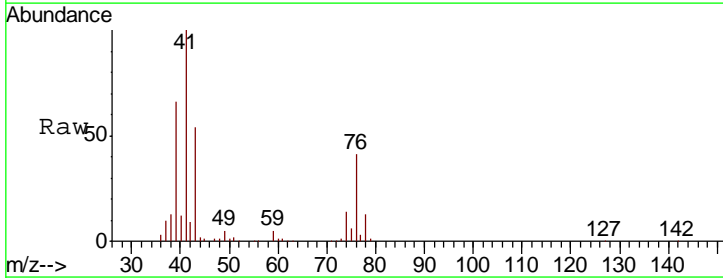
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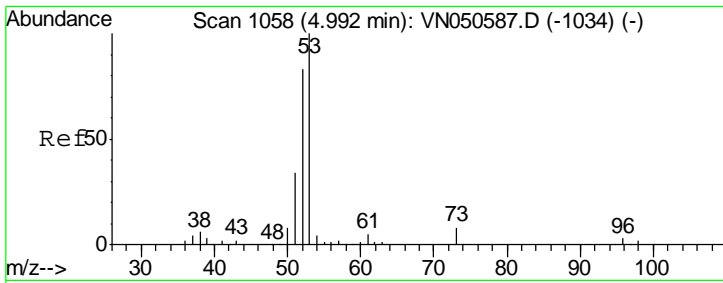
MMDadoda
 8/15/2018 3:32:49 PM



#14
 Allyl chloride
 Concen: 47.78 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
41	539697		
39	63.5	51.4	77.0
76	37.6	29.4	44.0





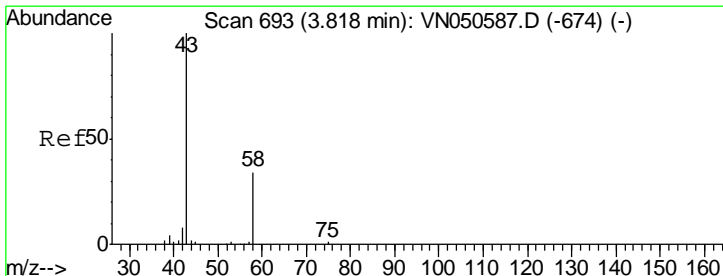
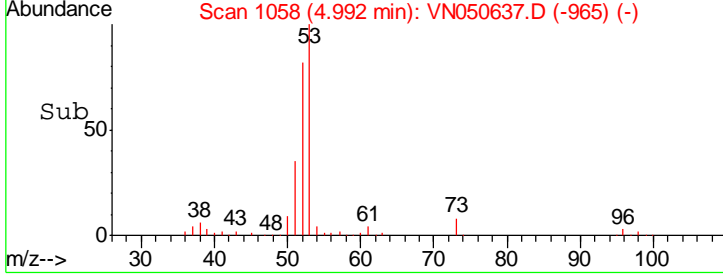
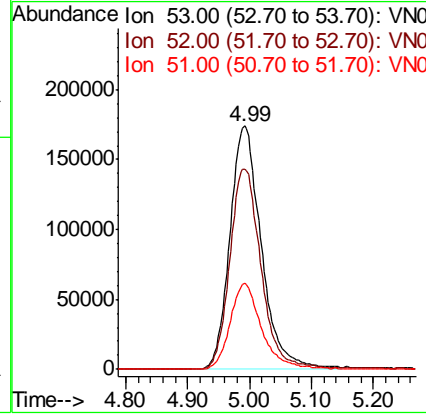
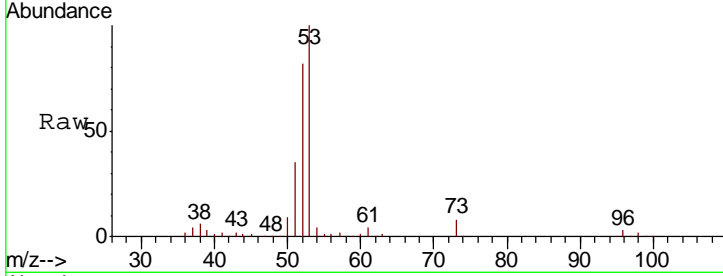
#15
 Acrylonitrile
 Concen: 243.02 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.5	66.2	99.2
51	35.4	28.6	43.0

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

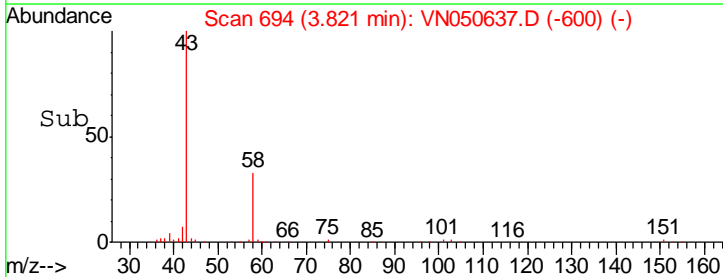
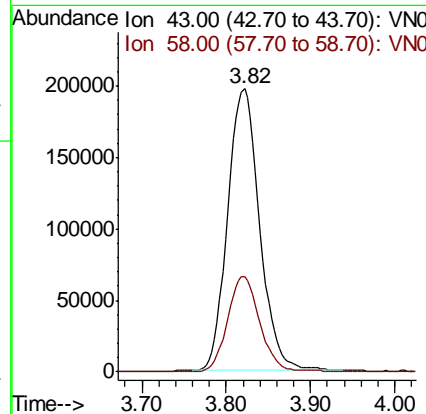
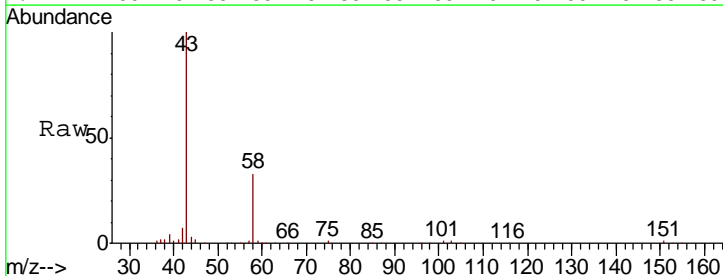
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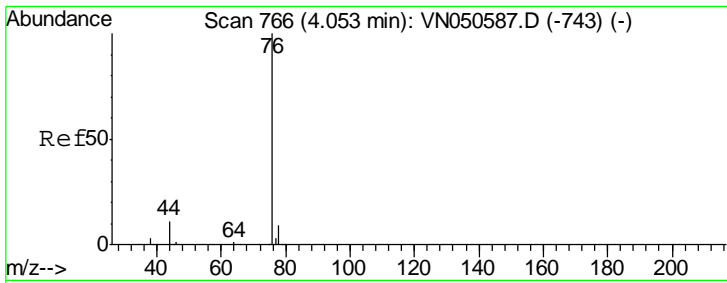
MMDadoda
 8/15/2018 3:32:49 PM



#16
 Acetone
 Concen: 246.22 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.5	27.1	40.7



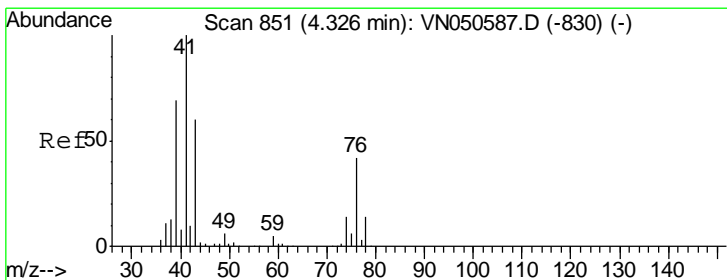
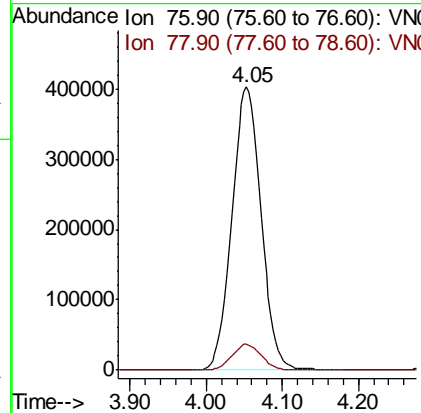
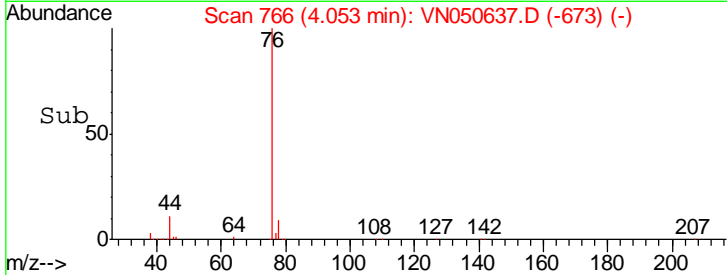
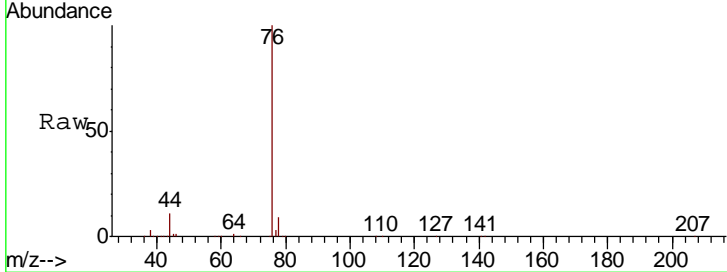


#17
 Carbon Disulfide
 Concen: 46.94 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
76	1072710		
76	100		
78	9.2	7.3	10.9

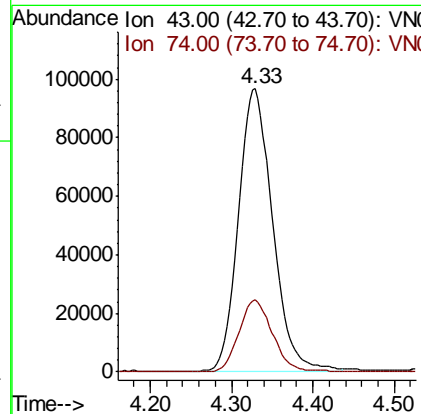
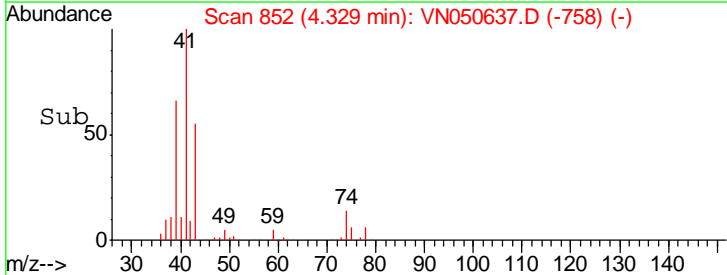
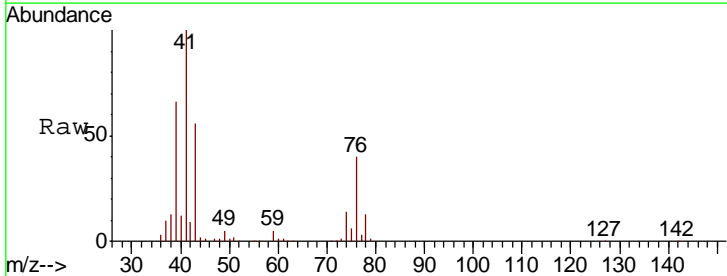
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

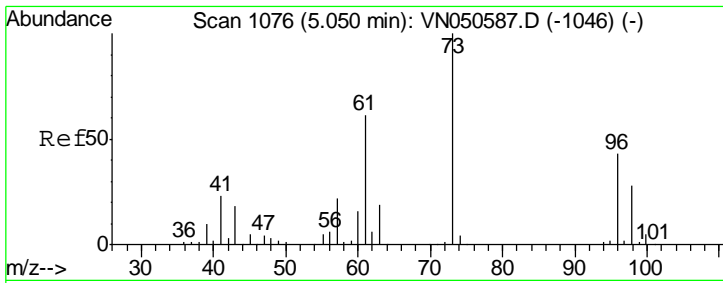
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 8/15/2018 3:32:49 PM



#18
 Methyl Acetate
 Concen: 47.09 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
43	279330		
43	100		
74	25.1	19.7	29.5



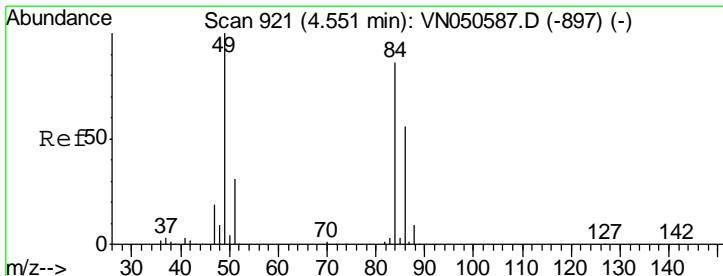
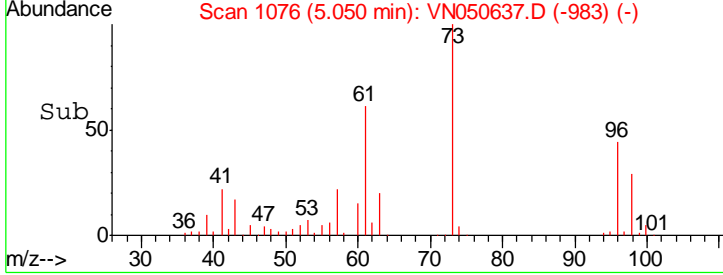
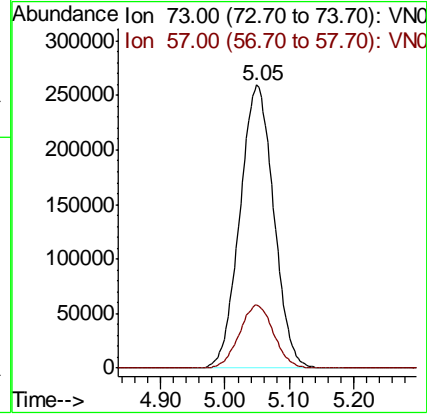
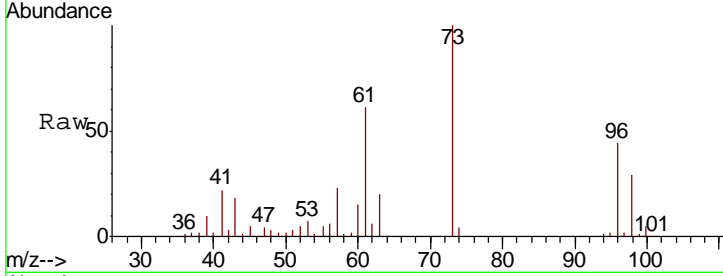


#19
 Methyl tert-butyl Ether
 Concen: 51.32 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.5	17.9	26.9

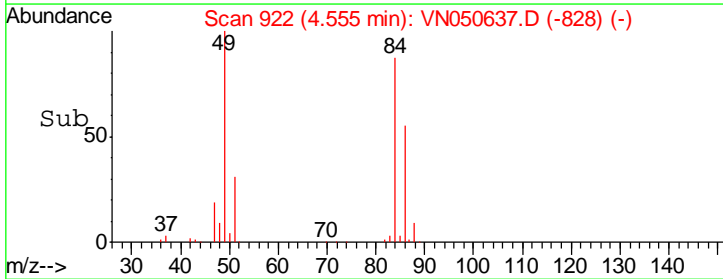
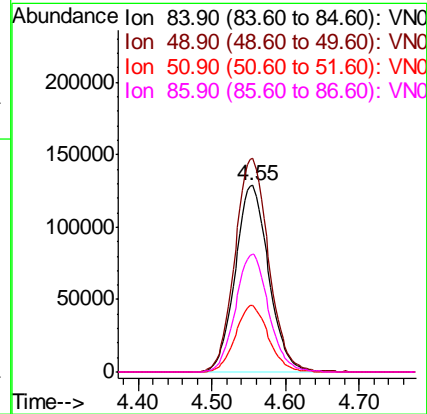
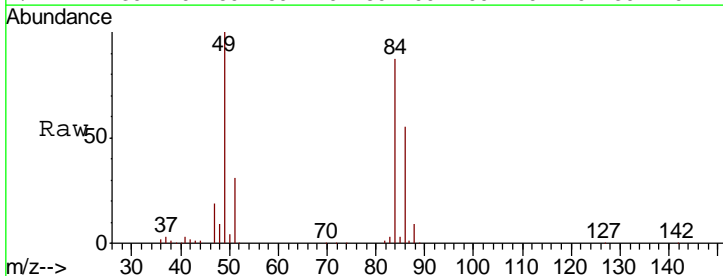
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

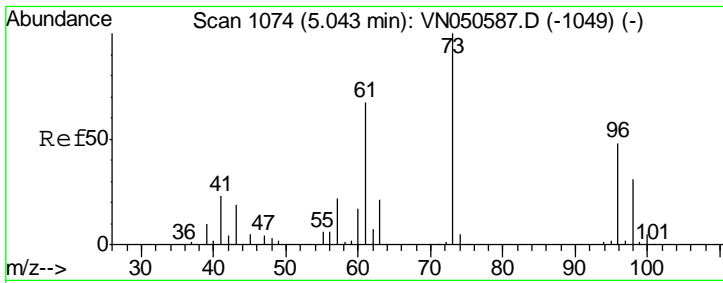
Manual Integrations APPROVED
 MMDadoda
 8/15/2018 3:32:49 PM



#20
 Methylene Chloride
 Concen: 50.73 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

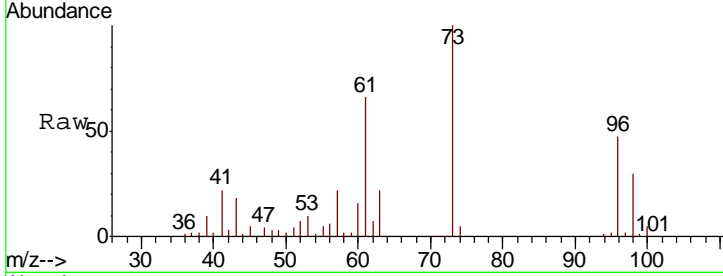
Tgt Ion	Resp	Lower	Upper
84	100		
49	114.4	92.6	138.8
51	35.7	28.6	43.0
86	63.2	52.2	78.2





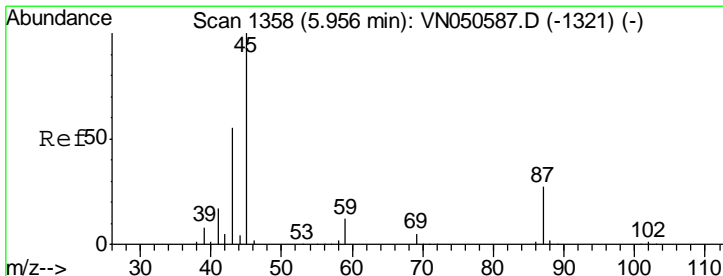
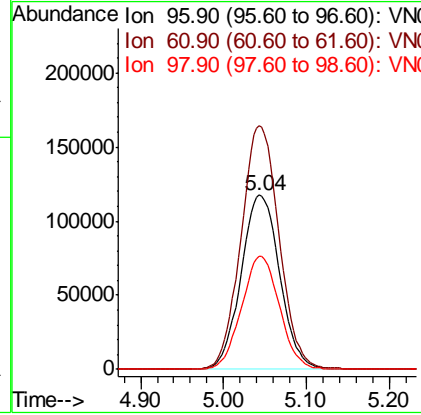
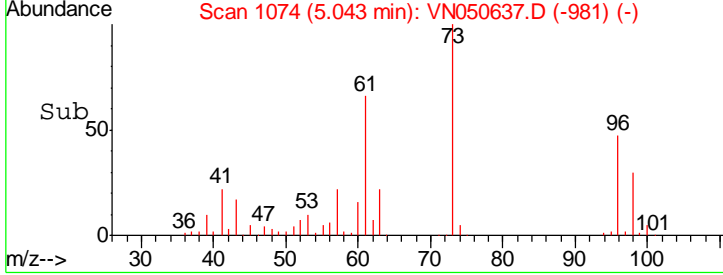
#21
 trans-1,2-Dichloroethene
 Concen: 48.32 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument :
 MSVOA_N
 Client Sampled :
 944-MW-05(17)MSD



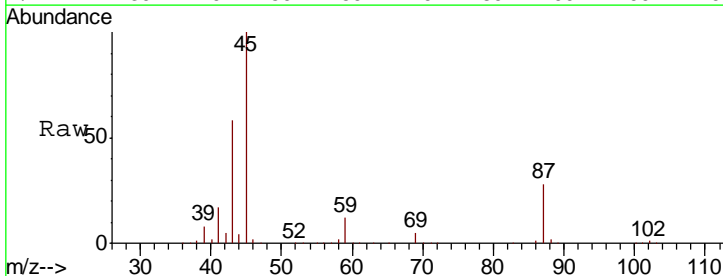
Tgt Ion	Resp	Lower	Upper
96	380388		
96	100		
61	139.6	111.2	166.8
98	64.5	51.6	77.4

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 8/15/2018 3:32:49 PM

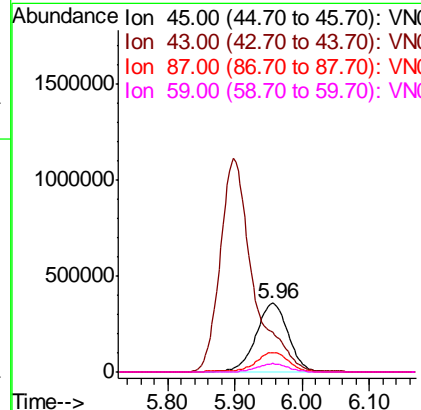
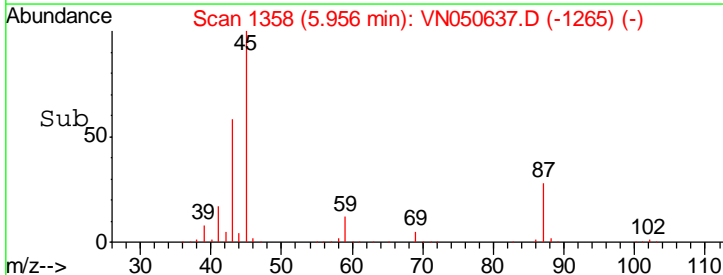


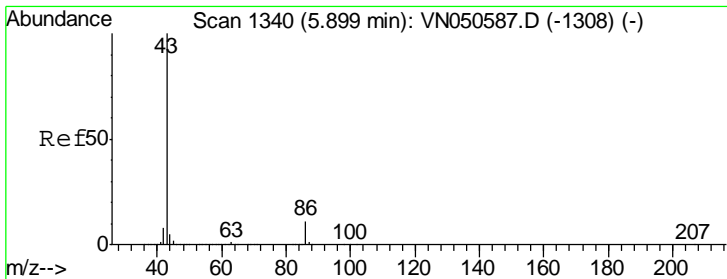
#22
 Diisopropyl ether
 Concen: 51.72 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

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 15
 16



Tgt Ion	Resp	Lower	Upper
45	1197832		
45	100		
43	56.8	44.5	66.7
87	28.3	22.2	33.2
59	12.2	9.5	14.3





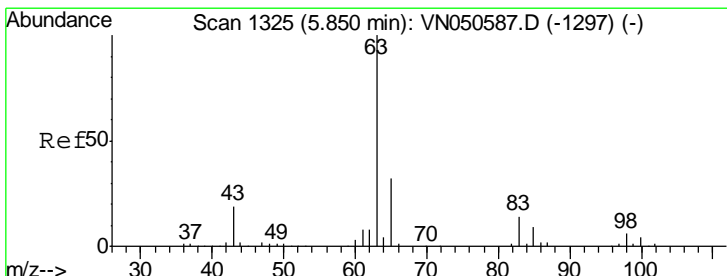
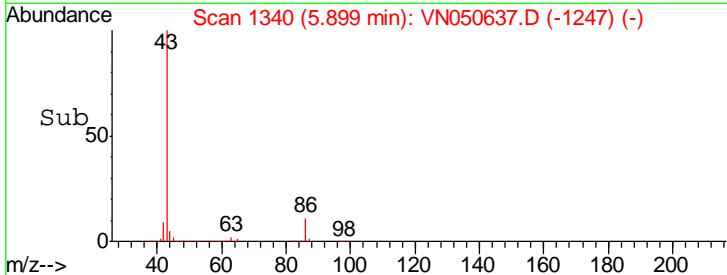
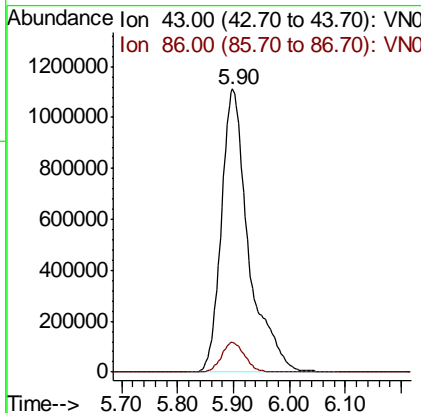
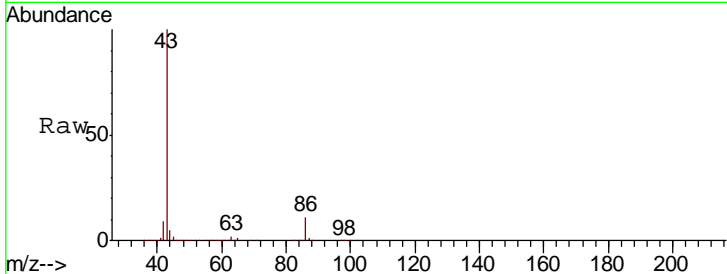
#23
 Vinyl Acetate
 Concen: 250.07 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.6	8.4	12.6

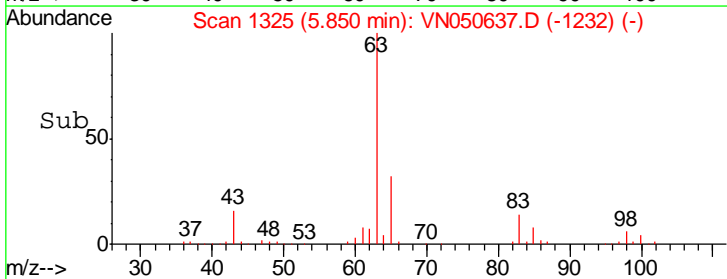
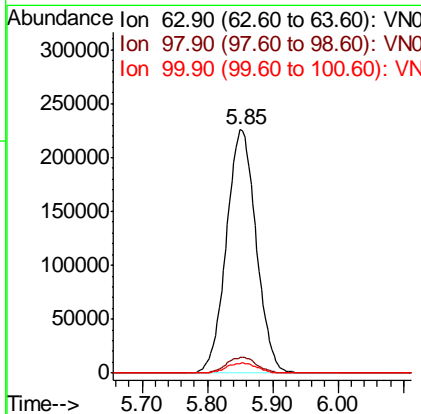
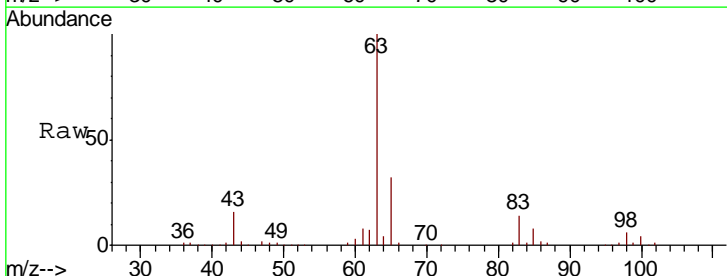
Manual Integrations
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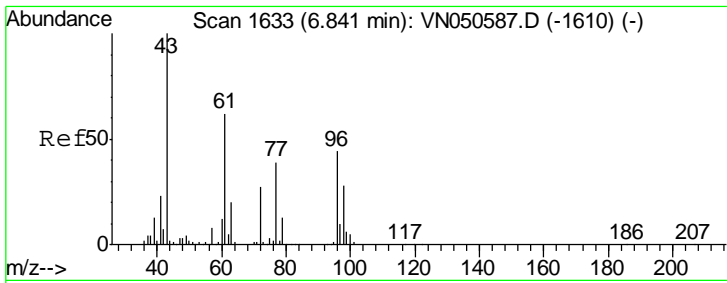
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 8/15/2018 3:32:49 PM



#24
 1,1-Dichloroethane
 Concen: 47.70 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.5	3.2	9.6
100	4.1	2.1	6.5



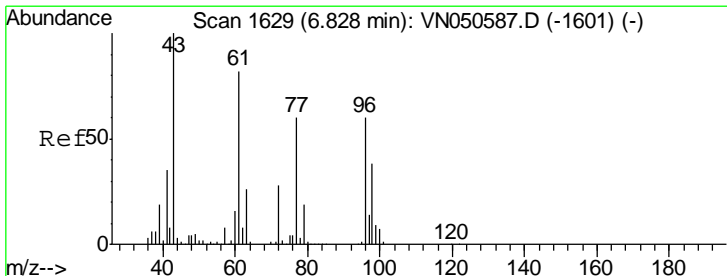
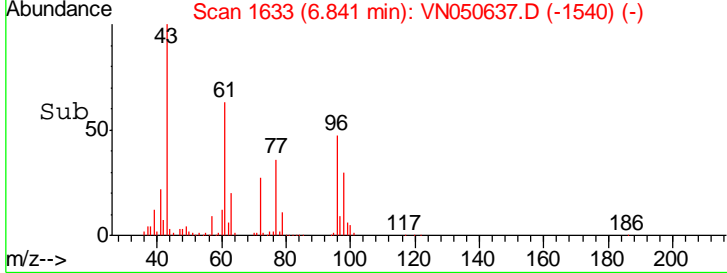
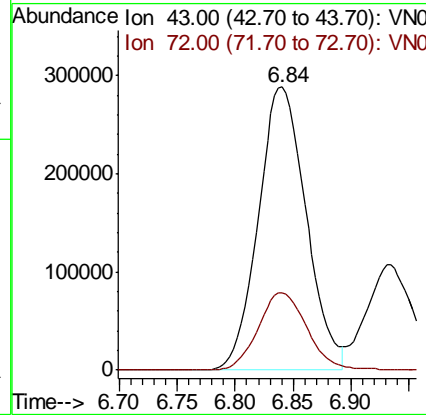
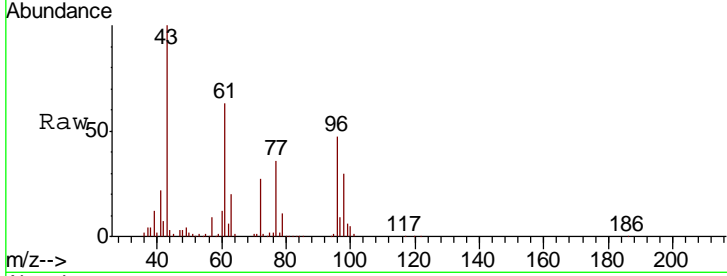


#25
 2-Butanone
 Concen: 238.65 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

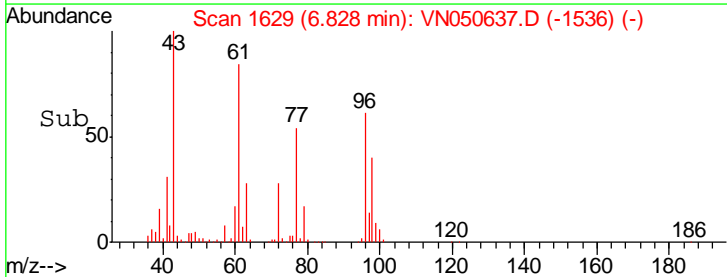
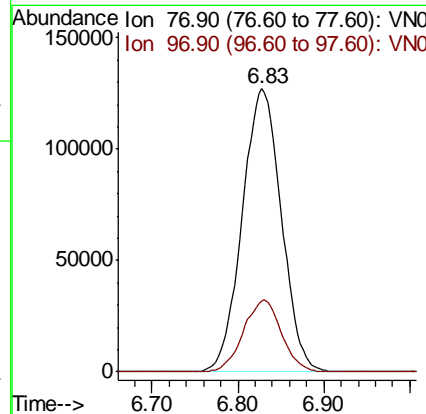
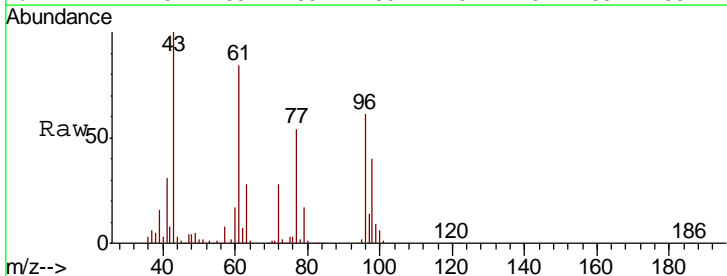
Tgt Ion	Resp	Lower	Upper
43	100		
72	27.4	21.8	32.6

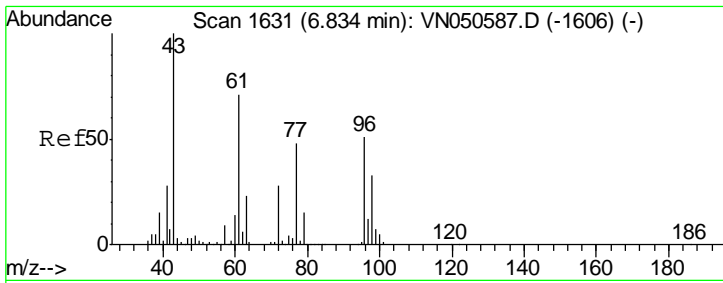
Manual Integrations
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 MMDadoda
 8/15/2018 3:32:49 PM



#26
 2,2-Dichloropropane
 Concen: 40.07 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.7	12.2	36.4



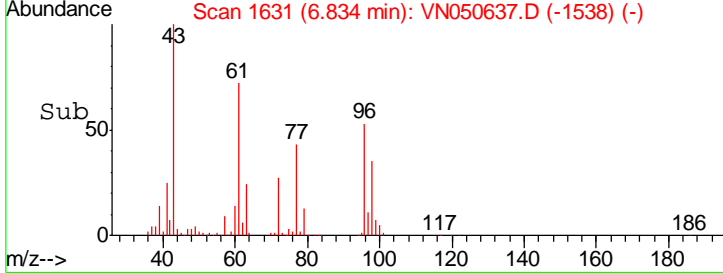
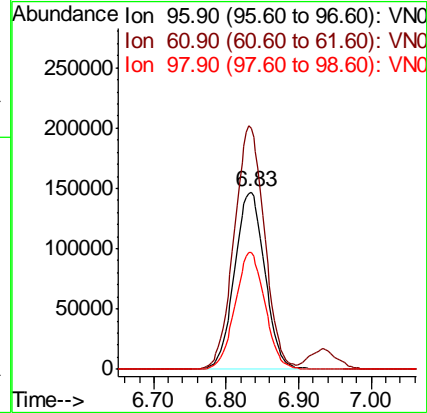
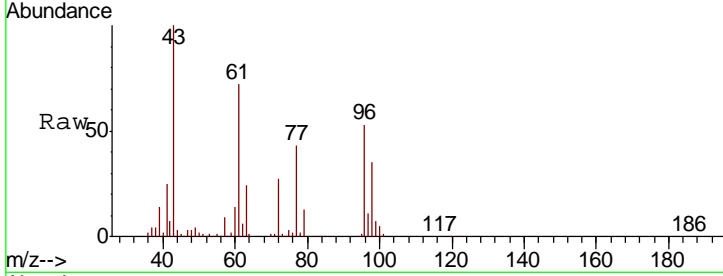


#27
 cis-1,2-Dichloroethene
 Concen: 48.88 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

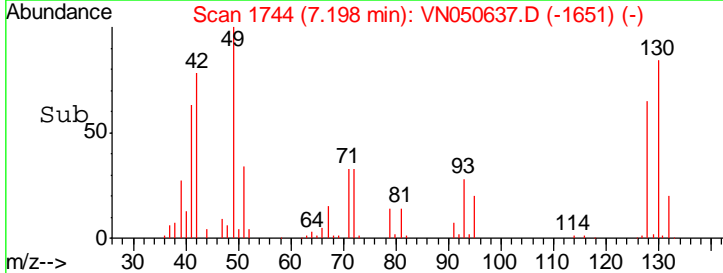
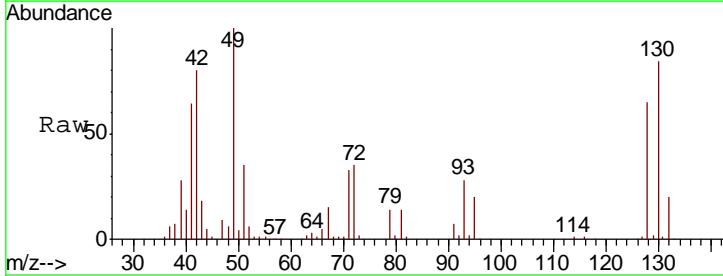
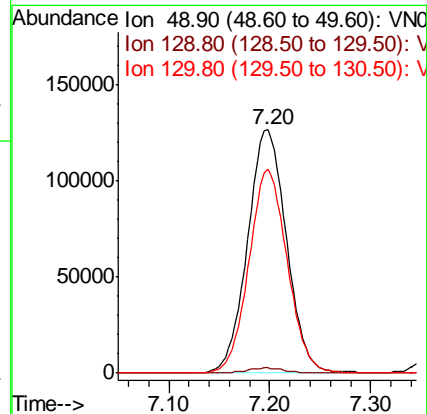
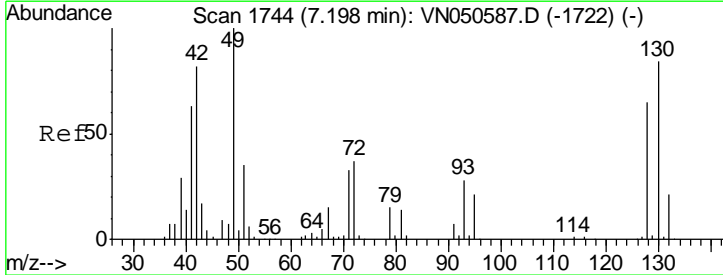
Tgt Ion	Resp	Lower	Upper
96	428504		
96	100		
61	137.1	0.0	278.2
98	65.2	0.0	128.8

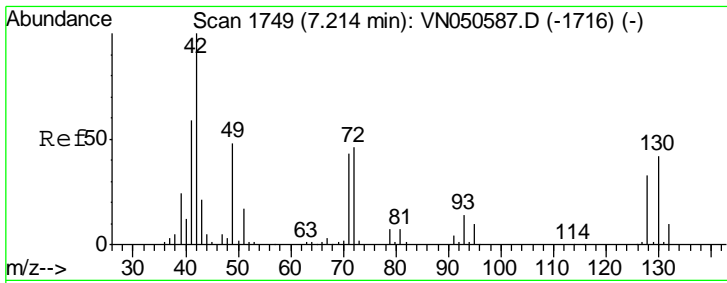
Manual Integrations
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#28
 Bromochloromethane
 Concen: 49.65 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
49	338615		
49	100		
129	2.0	0.0	4.2
130	82.6	66.8	100.2





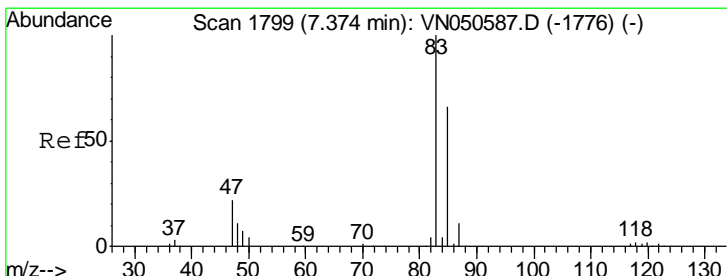
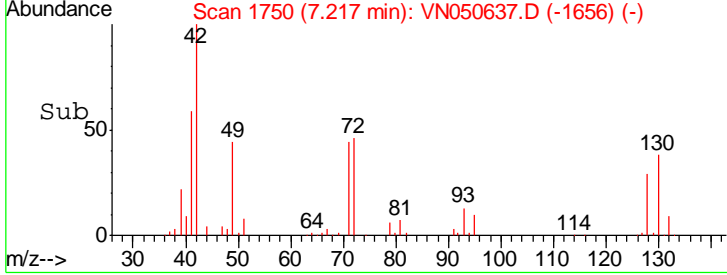
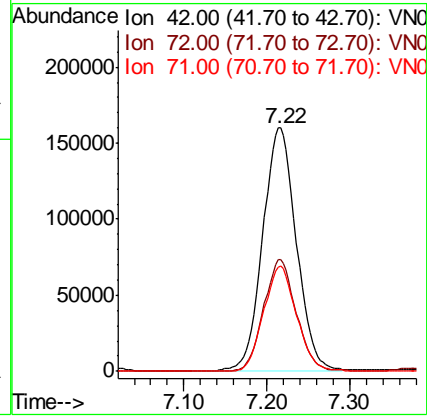
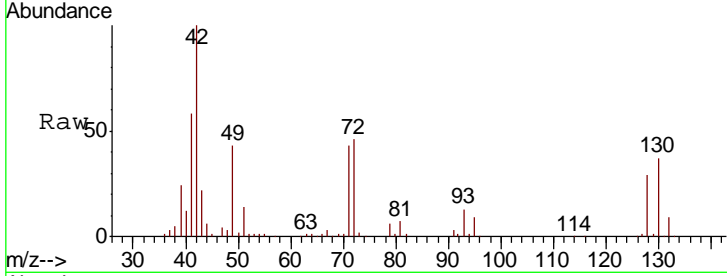
#29
 Tetrahydrofuran
 Concen: 249.66 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

Tgt Ion: 42 Resp: 450894

Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.8	53.6
71	42.6	33.4	50.0

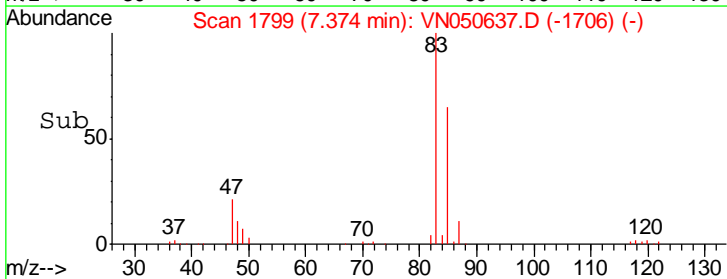
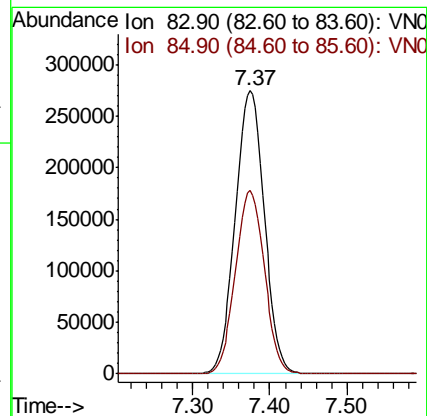
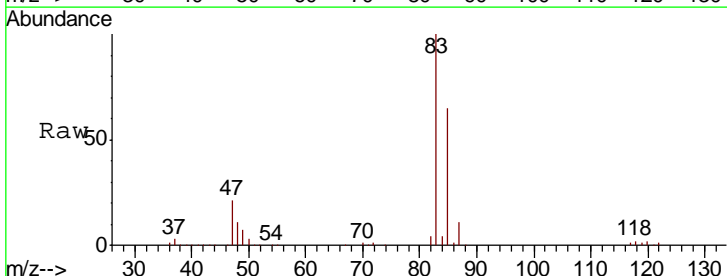
Manual Integrations
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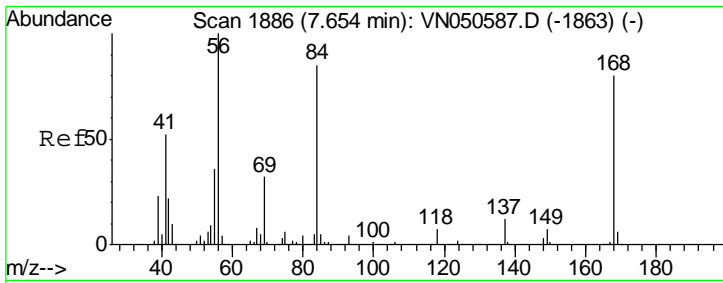


#30
 Chloroform
 Concen: 47.19 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion: 83 Resp: 716655

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7





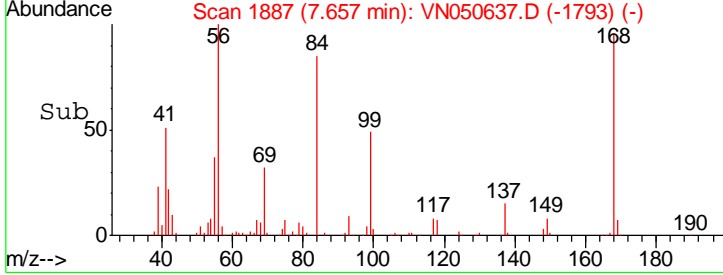
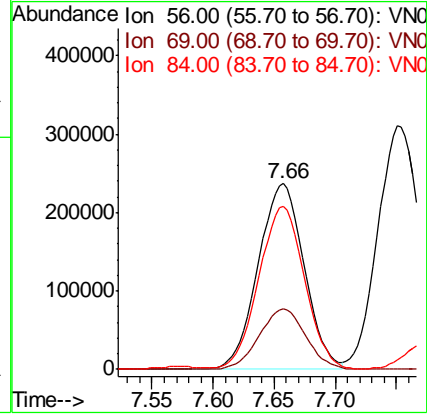
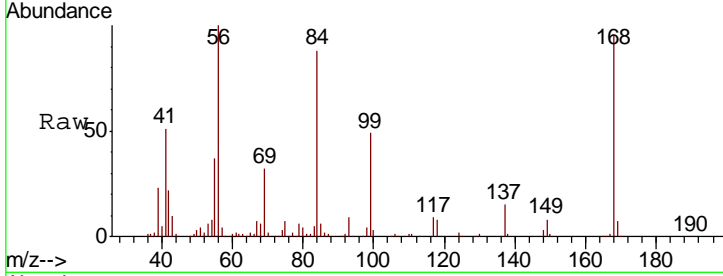
#31
 Cyclohexane
 Concen: 48.63 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument :
 MSVOA_N
 Client Sampled :
 944-MW-05(17)MSD

Tgt Ion	Resp	Lower	Upper
56	100		
69	32.4	25.8	38.6
84	86.5	67.8	101.6

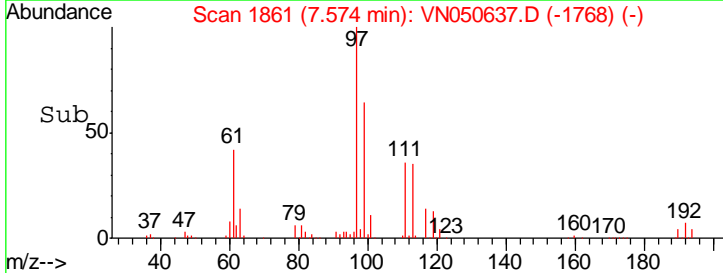
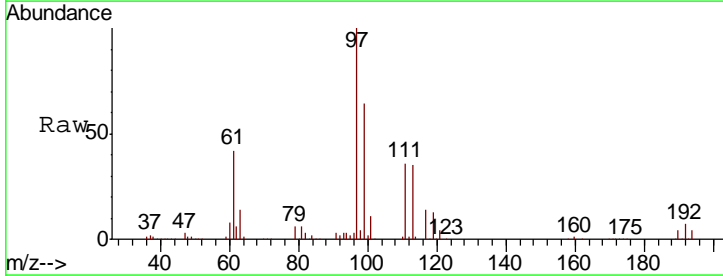
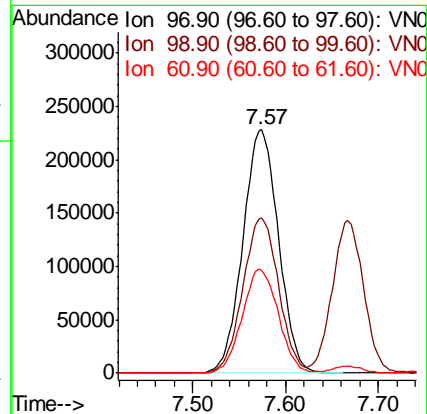
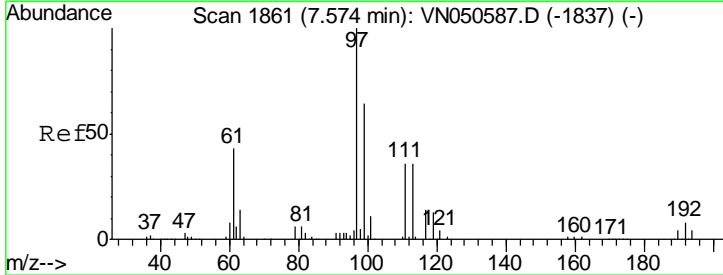
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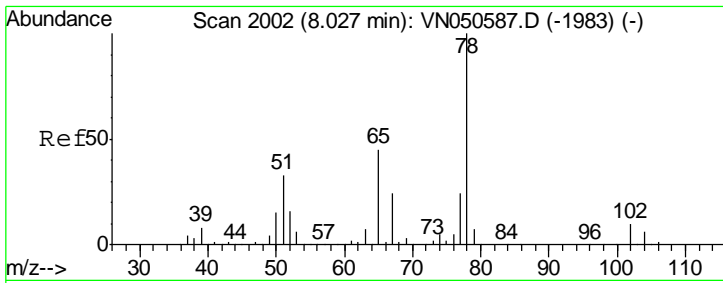
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#32
 1,1,1-Trichloroethane
 Concen: 47.49 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	43.2	34.8	52.2



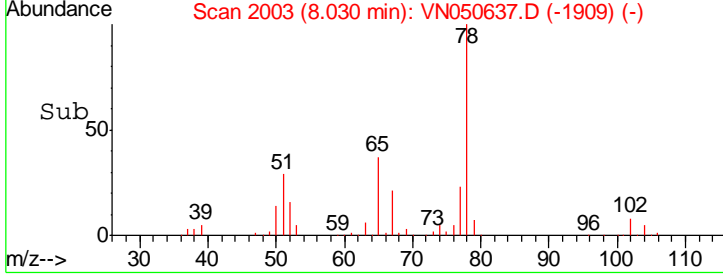
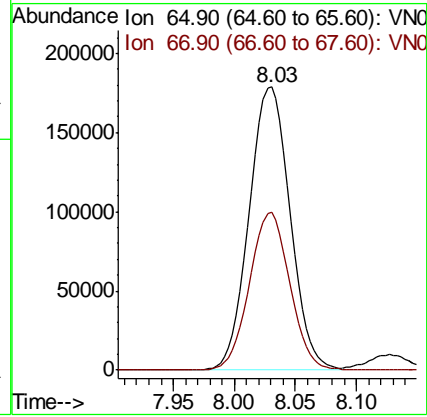
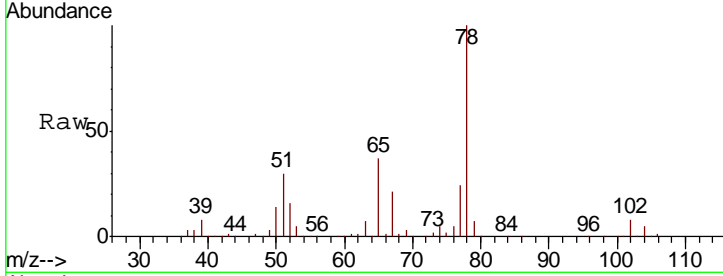


#33
 1,2-Dichloroethane-d4
 Concen: 49.29 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument :
 MSVOA_N
 Client Sampled :
 944-MW-05(17)MSD

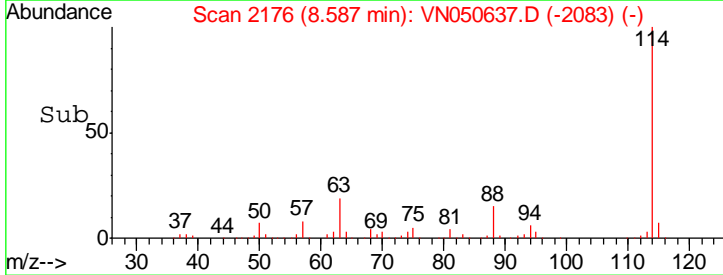
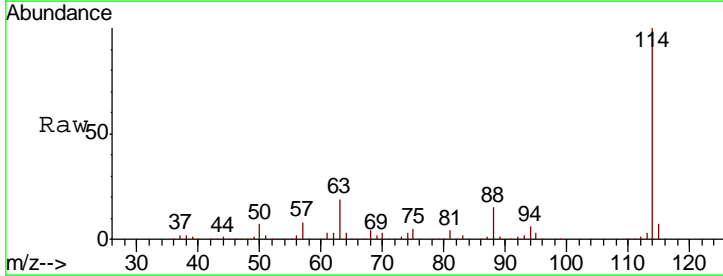
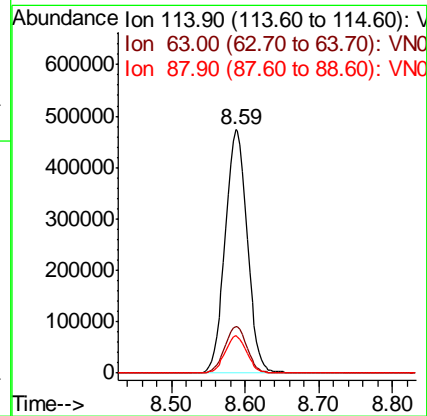
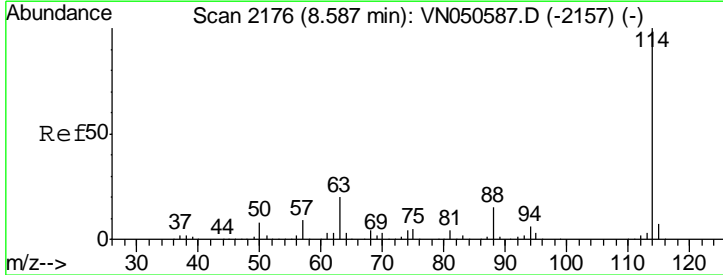
Tgt Ion	Resp	Lower	Upper
65	100		
67	55.0	0.0	109.8

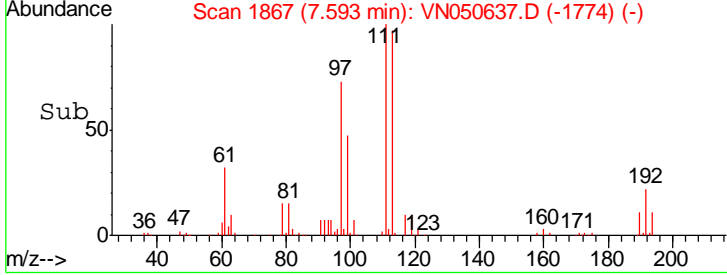
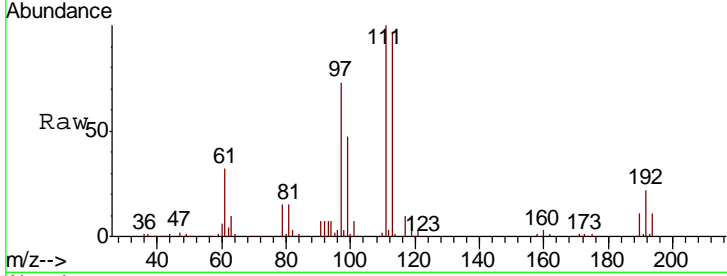
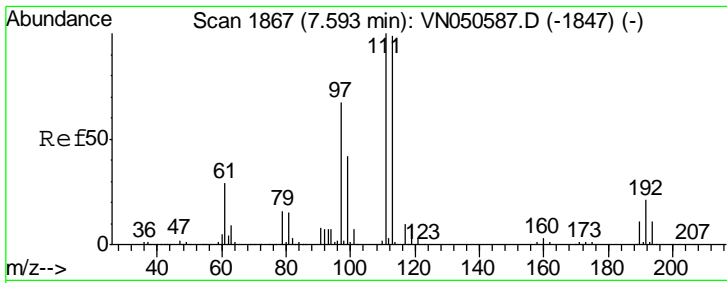
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.3	0.0	40.0
88	15.2	0.0	30.8



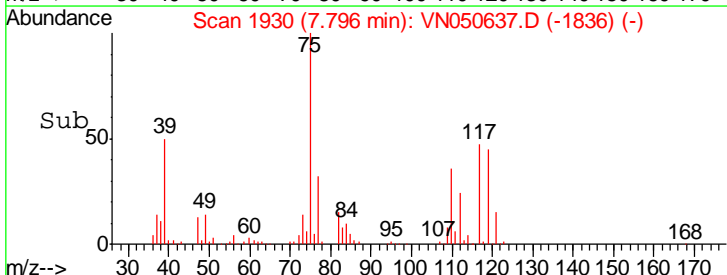
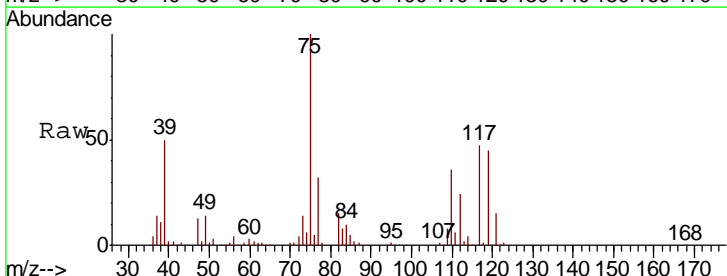
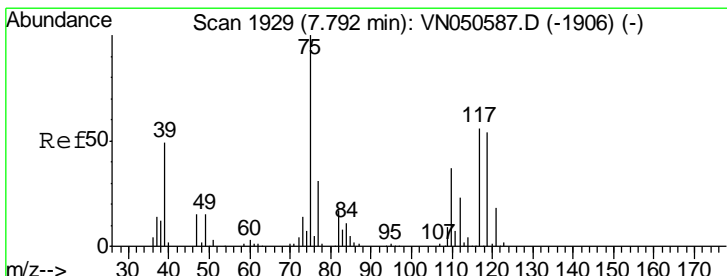
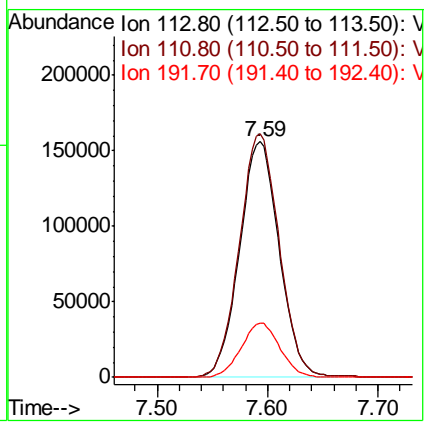


#35
 Dibromofluoromethane
 Concen: 49.32 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
113	100		
111	104.0	81.0	121.6
192	22.5	17.6	26.4

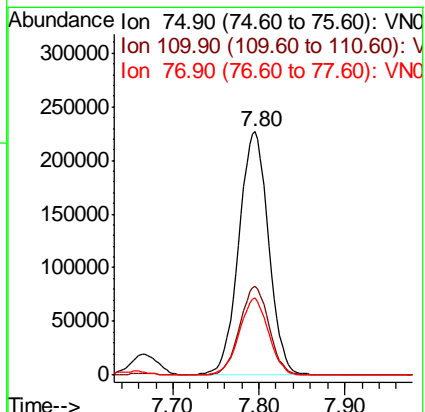
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

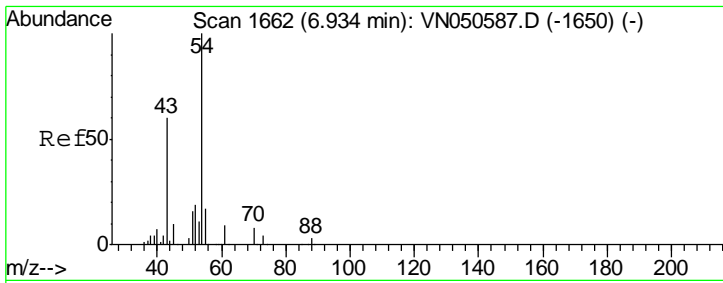
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 49.44 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

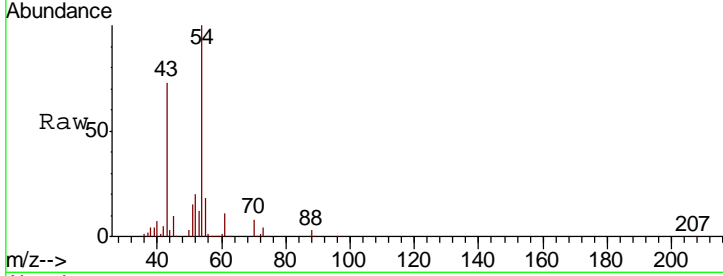
Tgt Ion	Resp	Lower	Upper
75	100		
110	36.1	18.3	54.9
77	31.4	25.0	37.4





#37
 Ethyl Acetate
 Concen: 48.73 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

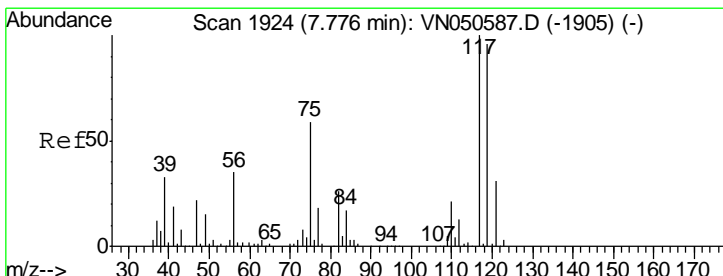
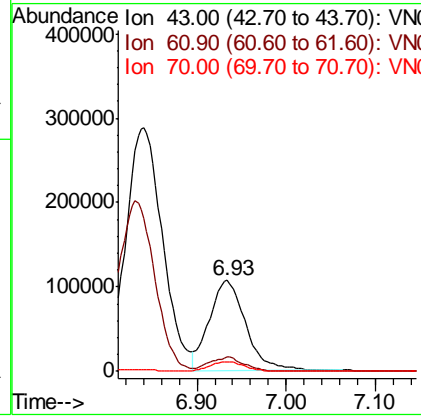
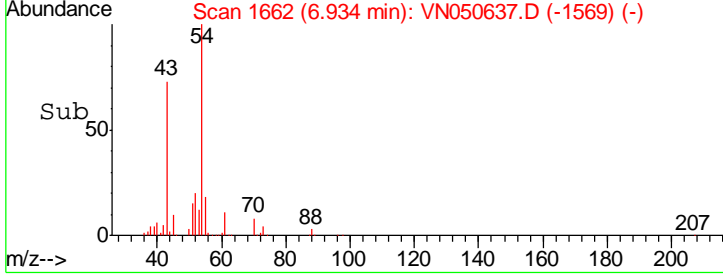
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD



Tgt Ion: 43 Resp: 303187

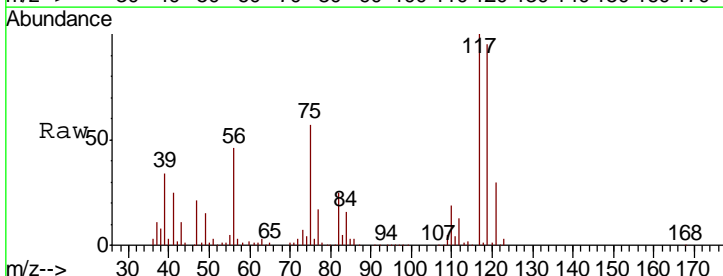
Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	10.1	8.5	12.7

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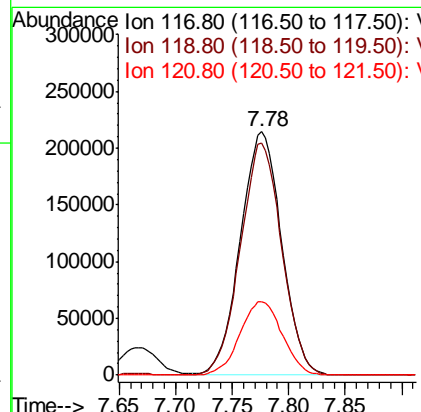
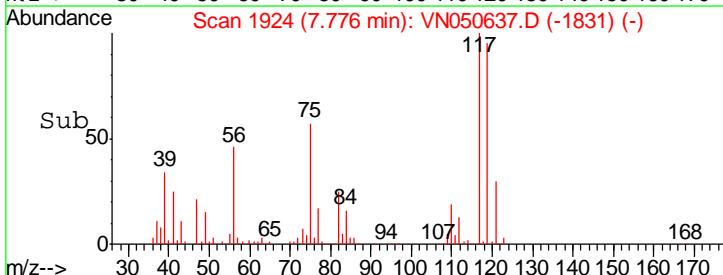
#38
 Carbon Tetrachloride
 Concen: 47.60 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

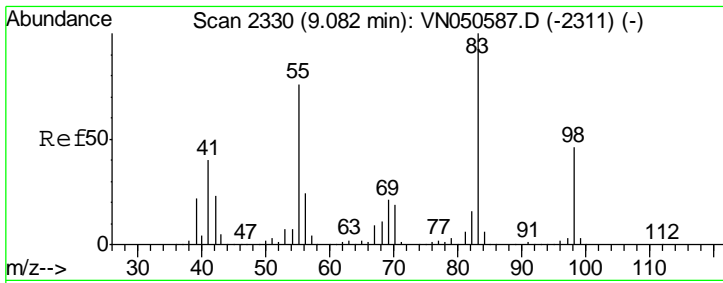
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16



Tgt Ion: 117 Resp: 543571

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.6	115.0
121	30.4	25.0	37.6





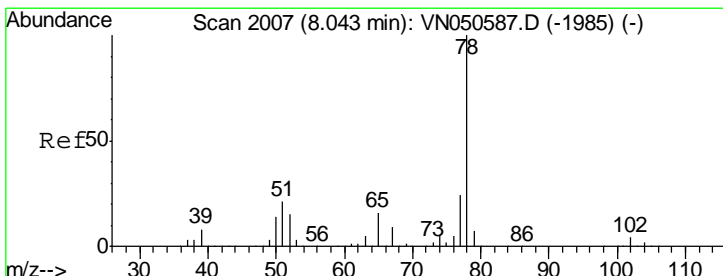
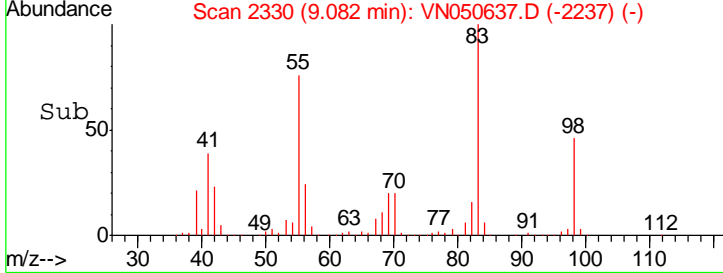
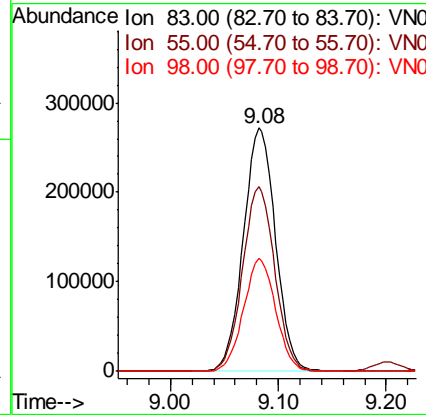
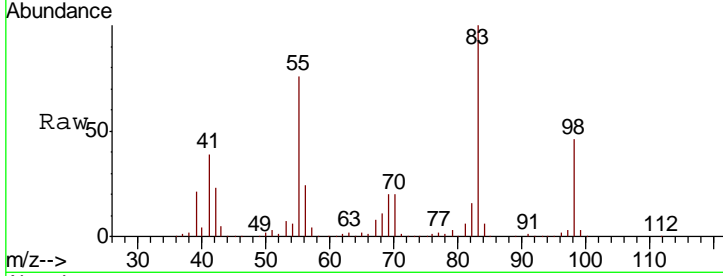
#39
 Methylcyclohexane
 Concen: 49.49 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

Tgt Ion	Resp	Lower	Upper
83	100		
55	76.1	60.6	91.0
98	46.3	37.0	55.4

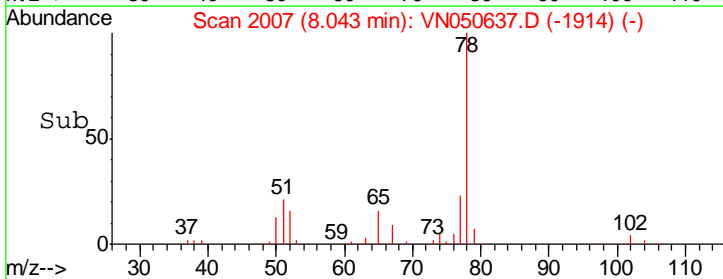
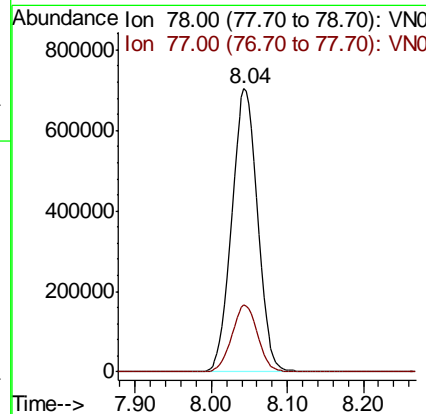
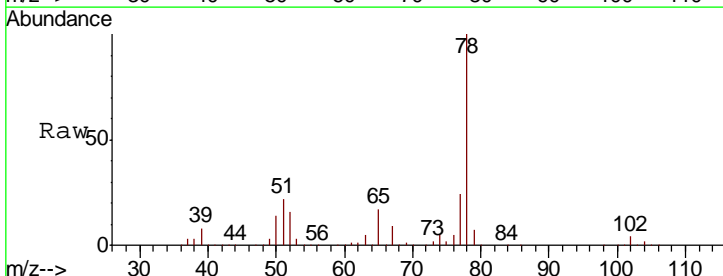
Manual Integrations
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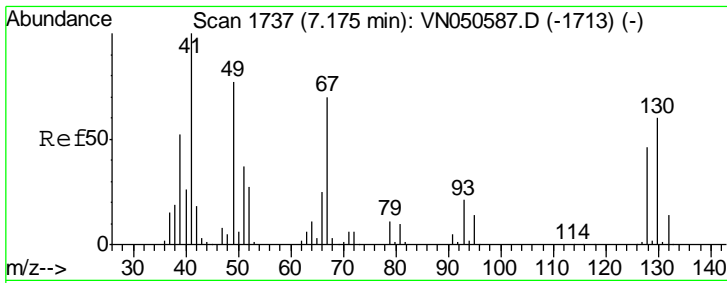
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#40
 Benzene
 Concen: 49.60 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

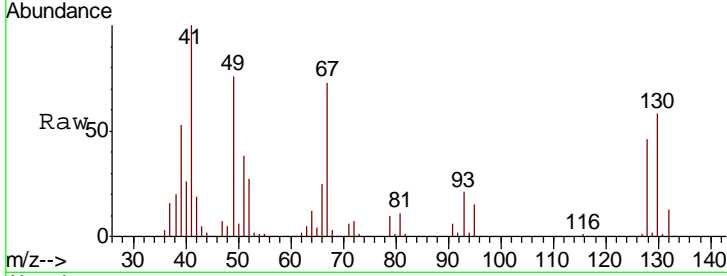
Tgt Ion	Resp	Lower	Upper
78	100		
77	23.5	19.0	28.6





#41
 Methacrylonitrile
 Concen: 46.86 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

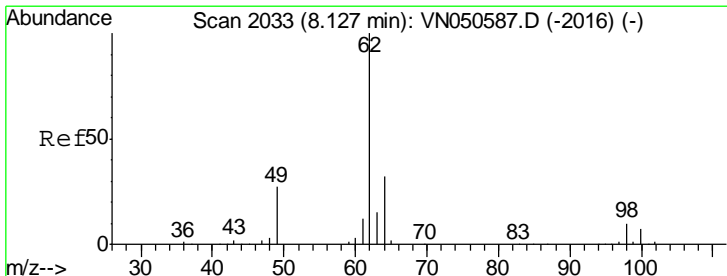
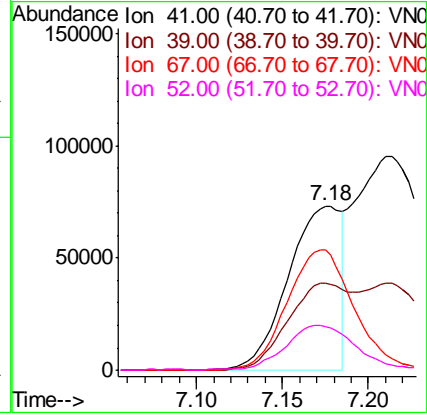
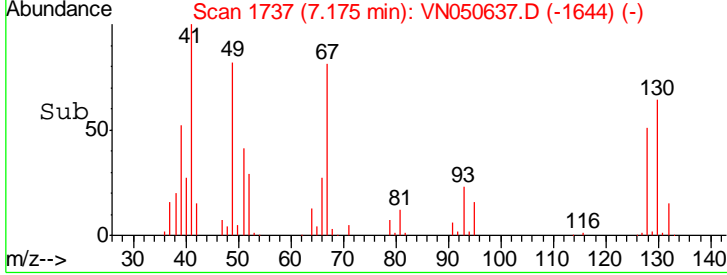
Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)MSD



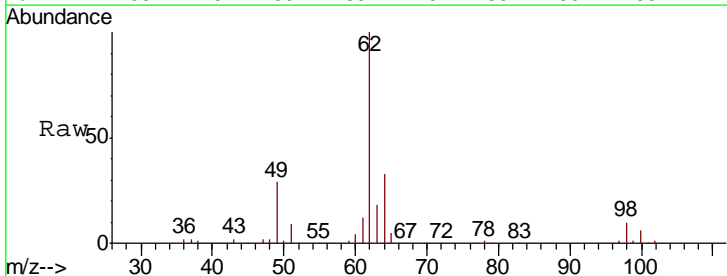
Tgt Ion: 41 Resp: 157640

Ion	Ratio	Lower	Upper
41	100		
39	61.0	44.6	66.8
67	92.7	66.7	100.1
52	35.6	26.5	39.7

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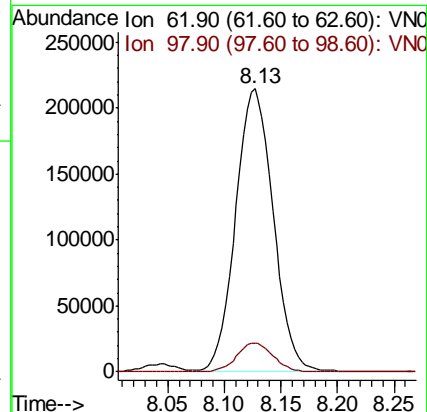
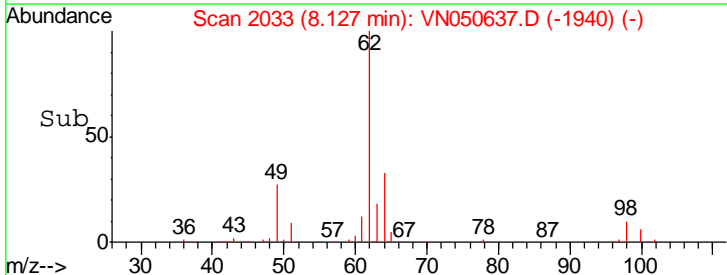


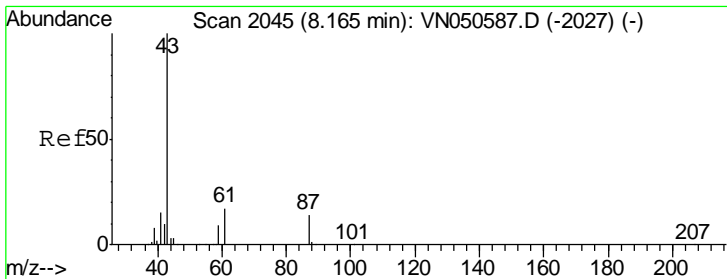
#42
 1,2-Dichloroethane
 Concen: 48.20 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23



Tgt Ion: 62 Resp: 494673

Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4





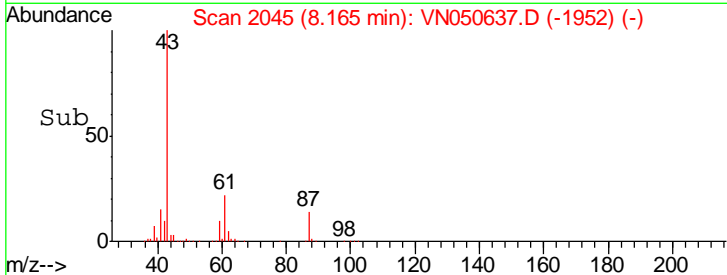
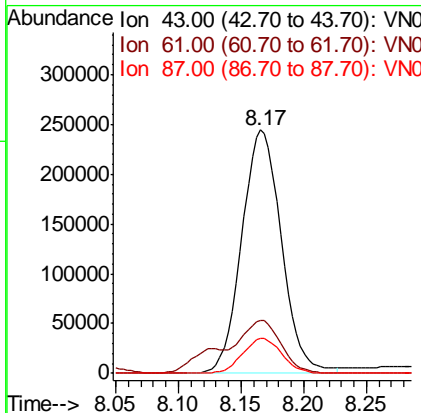
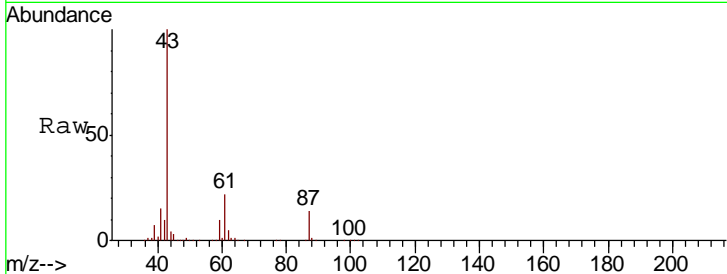
#43
 Isopropyl Acetate
 Concen: 47.34 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

Tgt Ion	Resp	Lower	Upper
43	100		
61	22.1	16.2	24.2
87	14.3	10.9	16.3

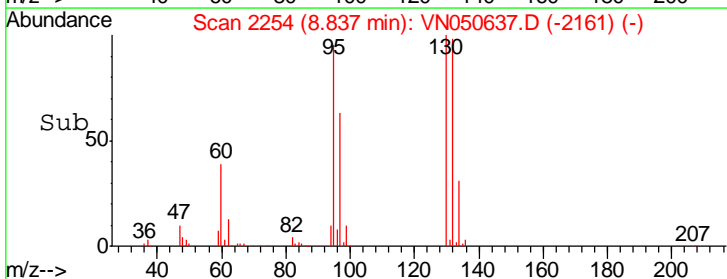
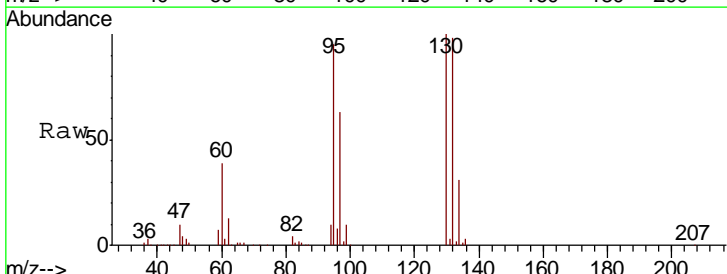
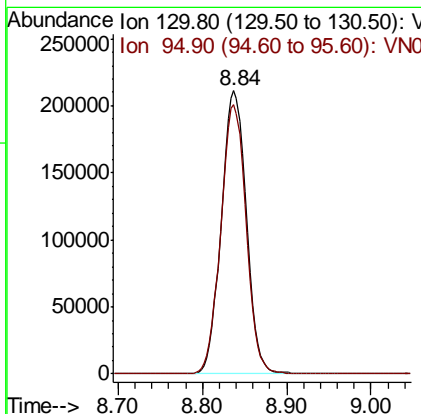
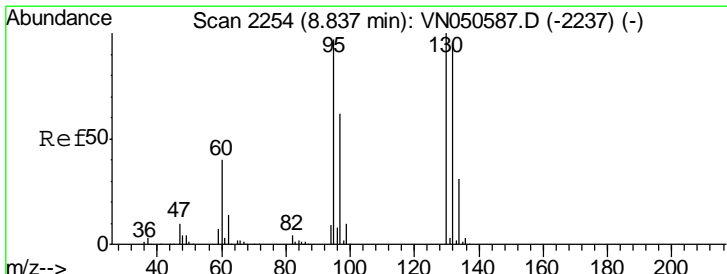
Manual Integrations
 APPROVED

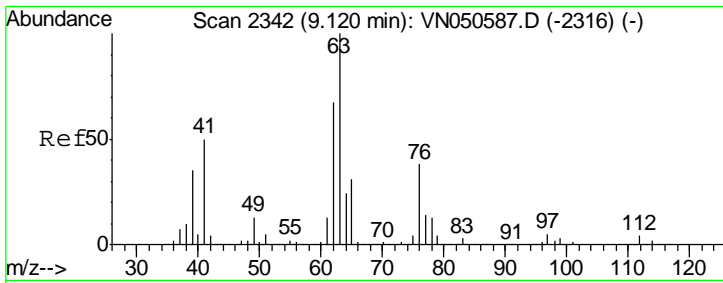
MMDadoda
 8/15/2018 3:32:49 PM



#44
 Trichloroethene
 Concen: 48.68 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
130	100		
95	95.2	0.0	193.8



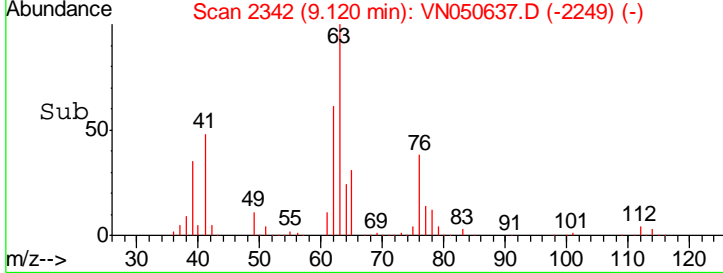
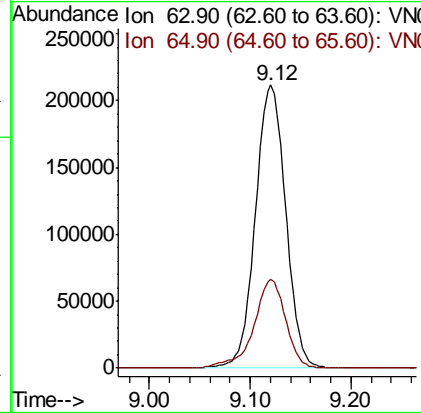
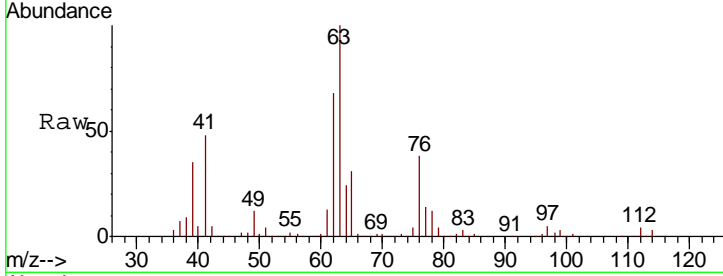


#45
 1,2-Dichloropropane
 Concen: 49.33 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument :
 MSVOA_N
 Client Sampled :
 944-MW-05(17)MSD

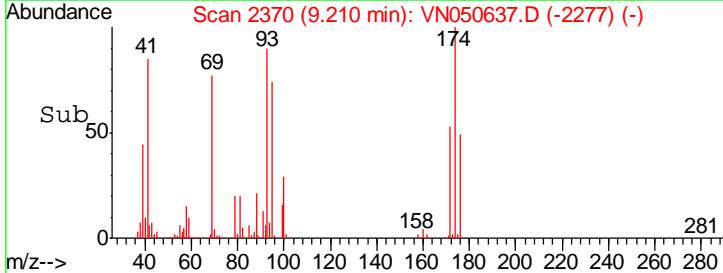
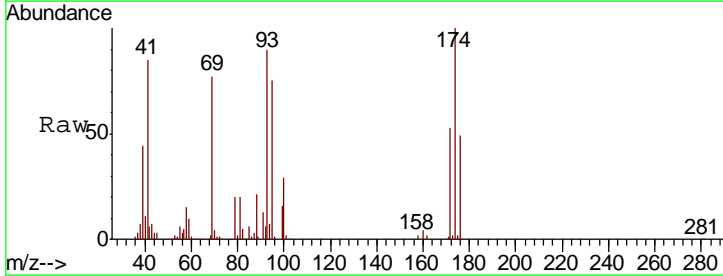
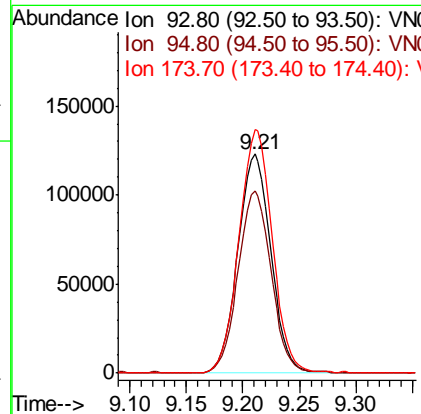
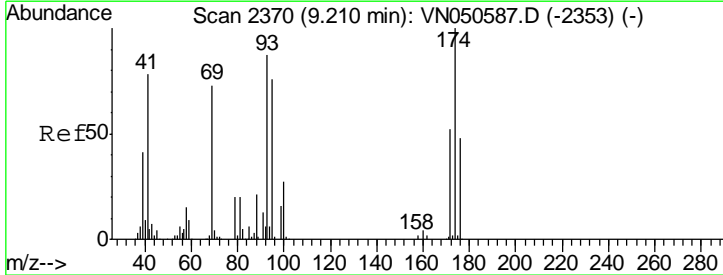
Tgt Ion	Resp	Lower	Upper
63	100		
65	31.3	24.5	36.7

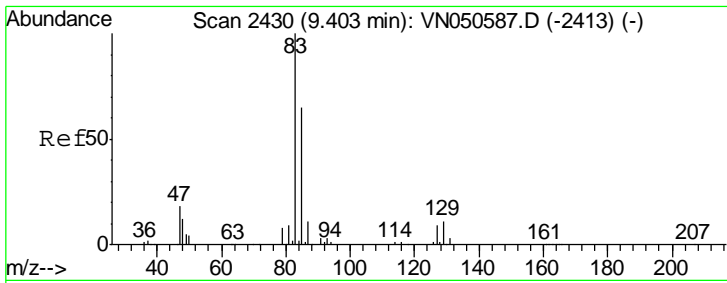
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:32:49 PM



#46
 Dibromomethane
 Concen: 47.69 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.4	69.1	103.7
174	111.6	91.0	136.6





#47

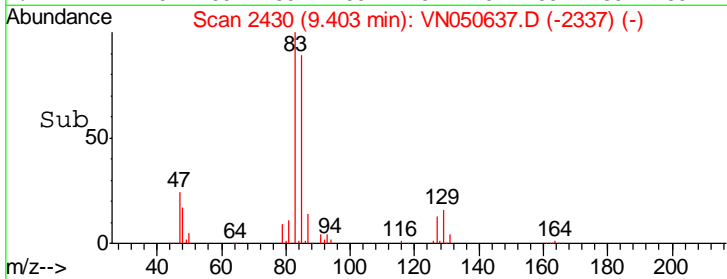
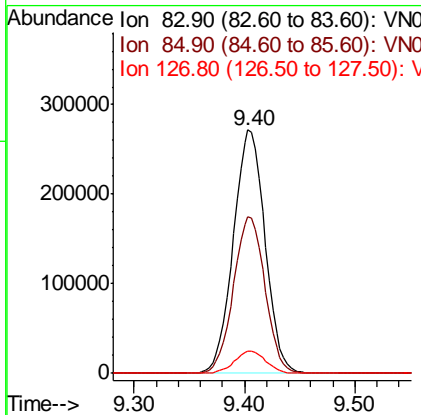
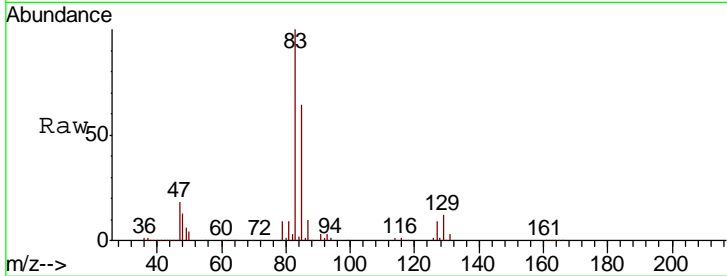
Bromodichloromethane
 Concen: 48.06 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.3	51.8	77.6
127	9.1	7.2	10.8

Manual Integrations
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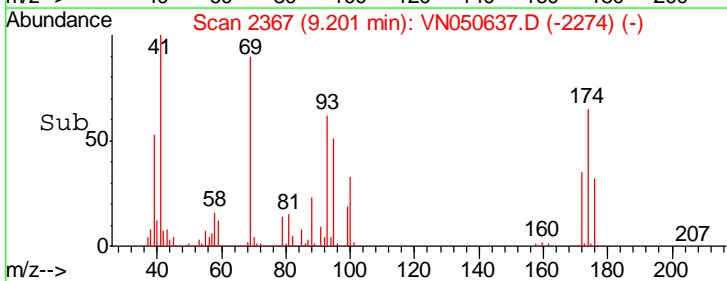
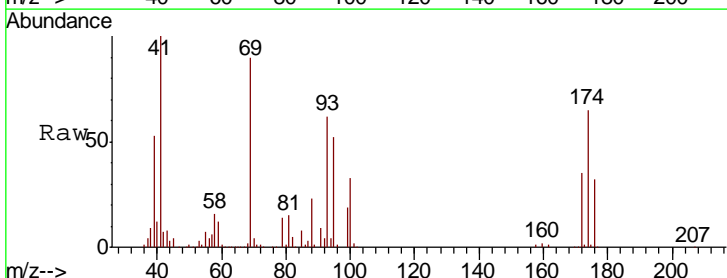
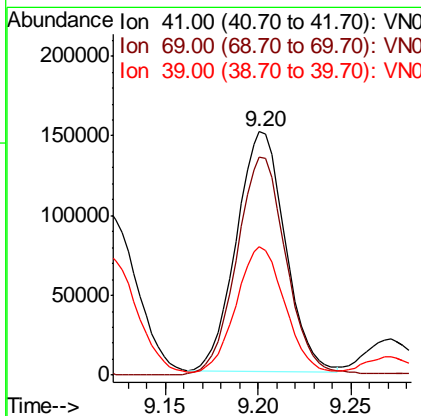
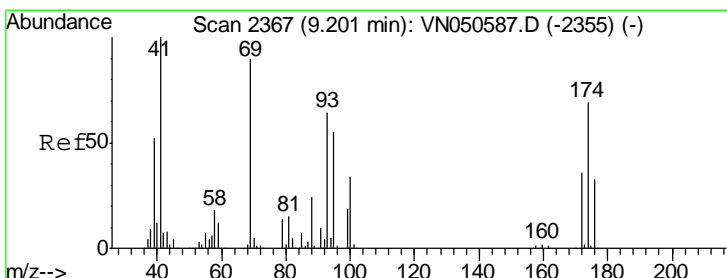
MMDadoda
 8/15/2018 3:32:49 PM

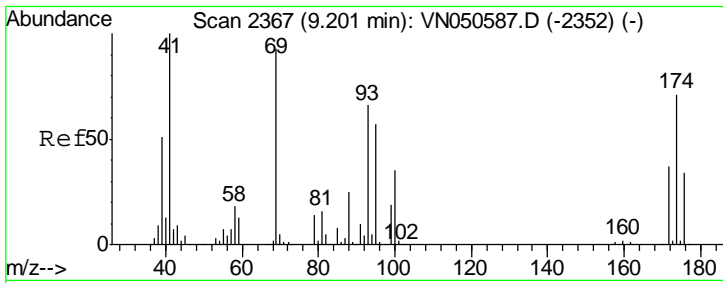


#48

Methyl methacrylate
 Concen: 48.15 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

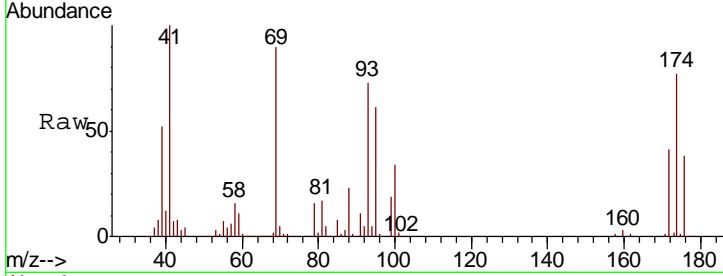
Tgt Ion	Resp	Lower	Upper
41	100		
69	92.5	73.4	110.0
39	54.0	43.0	64.6





#49
 1,4-Dioxane
 Concen: 968.06 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

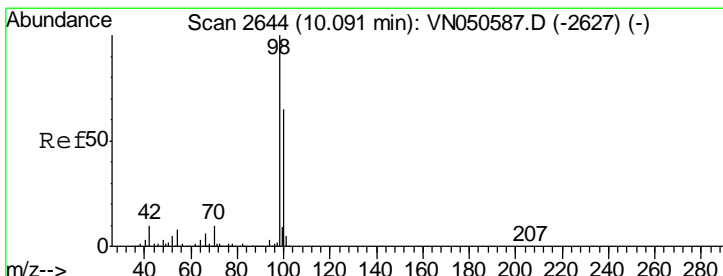
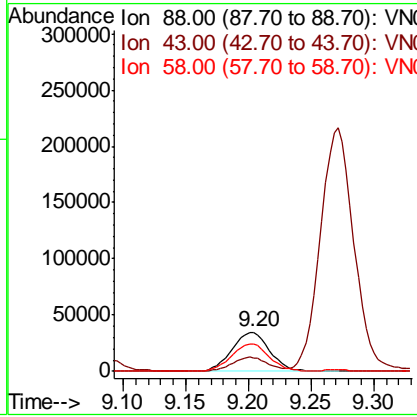
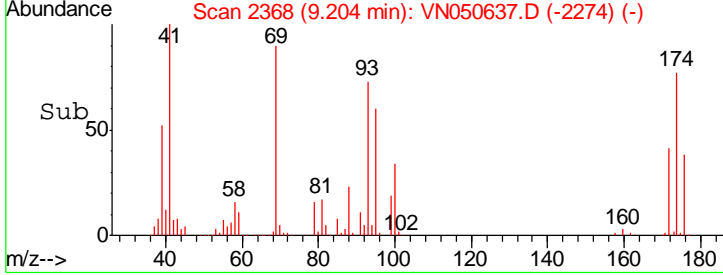
Instrument :
 MSVOA_N
 ClientSampled :
 944-MW-05(17)MSD



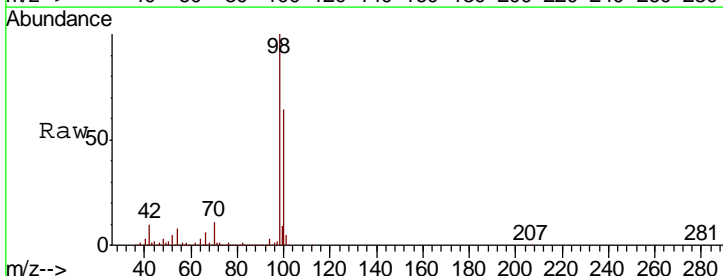
Tgt Ion: 88 Resp: 72762

Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.9	38.9
58	70.7	56.5	84.7

Manual Integrations
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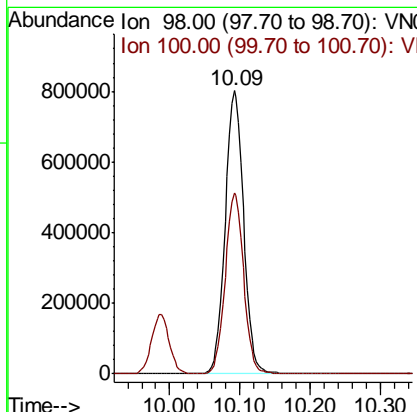
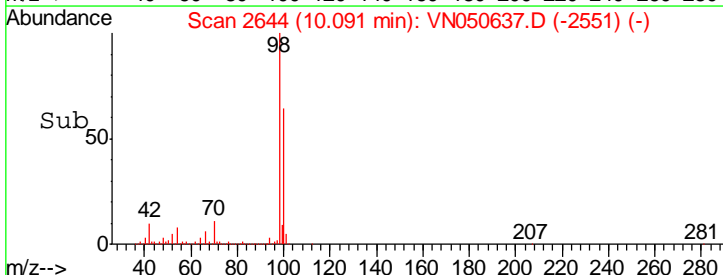


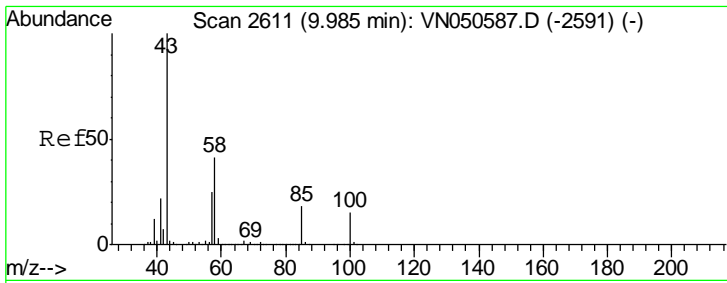
#50
 Toluene-d8
 Concen: 49.41 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23



Tgt Ion: 98 Resp: 1467847

Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.8	77.8





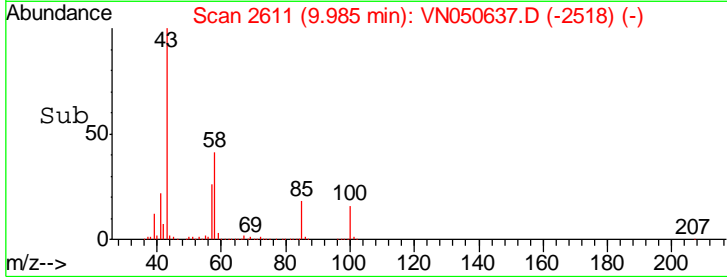
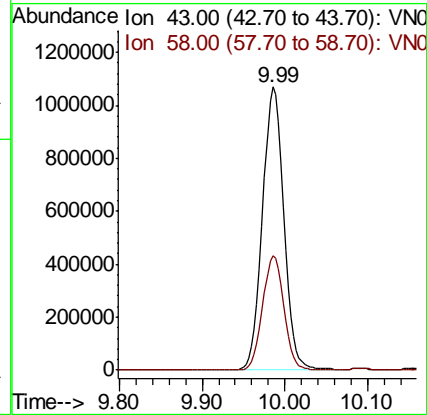
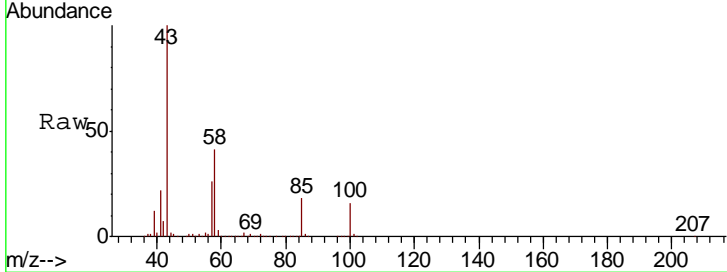
#51
 4-Methyl-2-Pentanone
 Concen: 250.22 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

Tgt Ion: 43 Resp: 1918835

Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.5	48.7

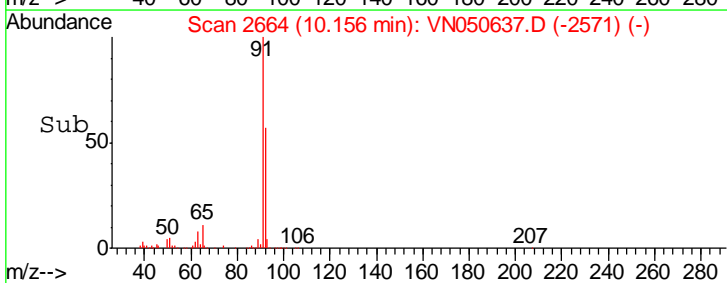
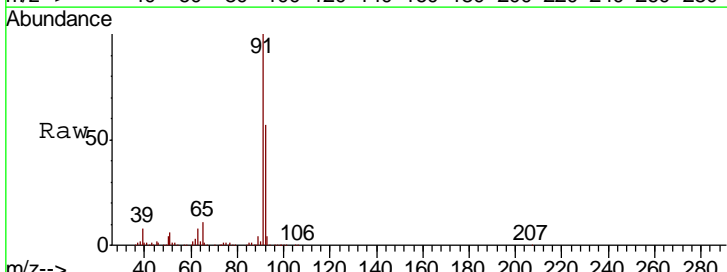
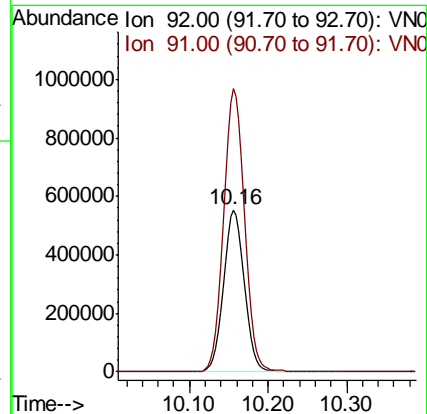
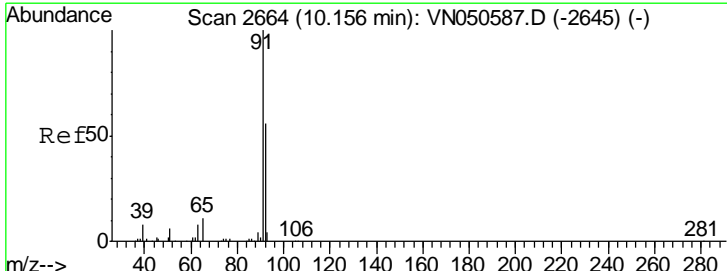
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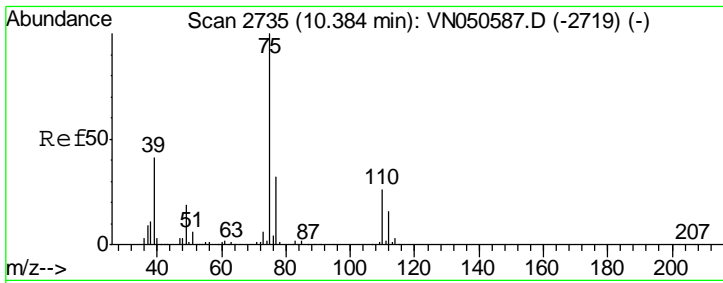


#52
 Toluene
 Concen: 50.38 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion: 92 Resp: 1007301

Ion	Ratio	Lower	Upper
92	100		
91	175.7	141.9	212.9



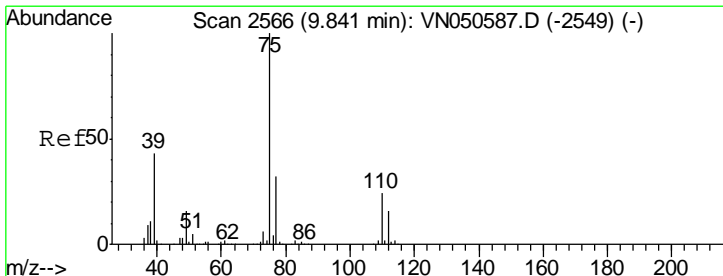
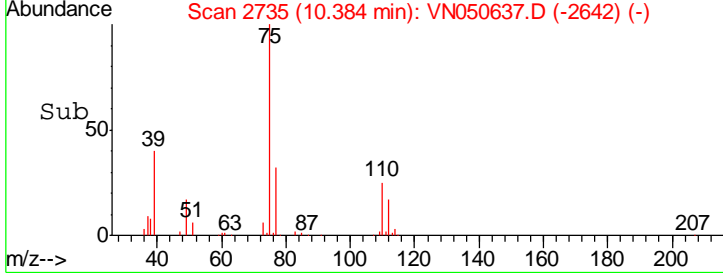
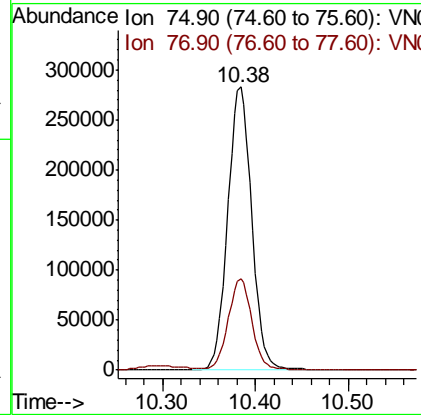
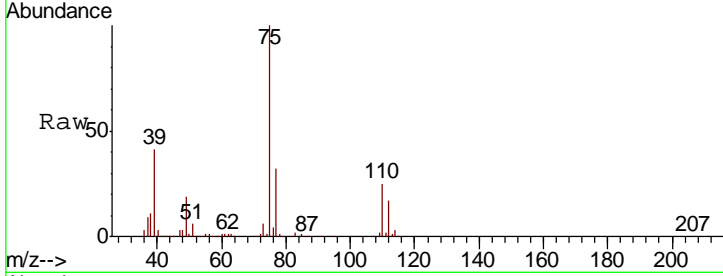


#53
 t-1,3-Dichloropropene
 Concen: 48.44 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

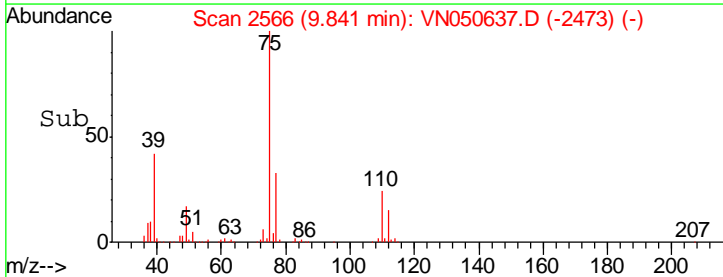
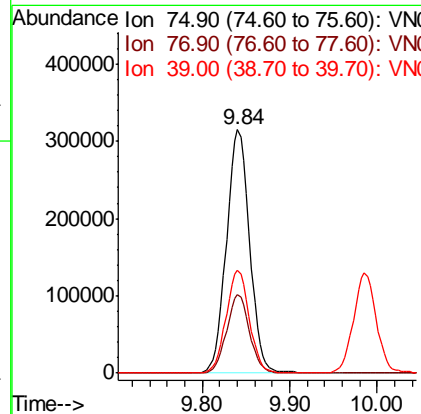
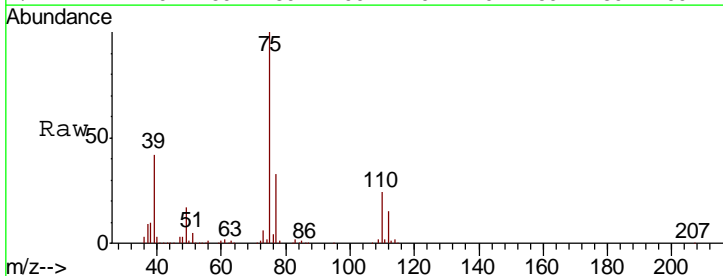
Tgt Ion	Resp	Lower	Upper
75	100		
77	32.1	25.8	38.6

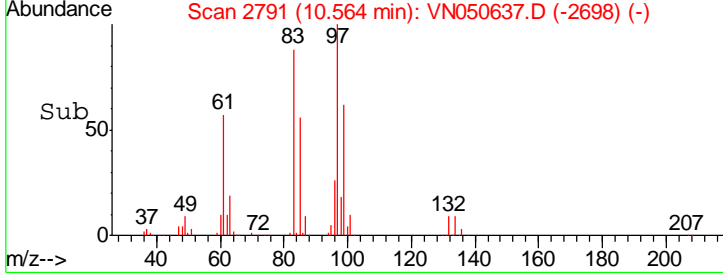
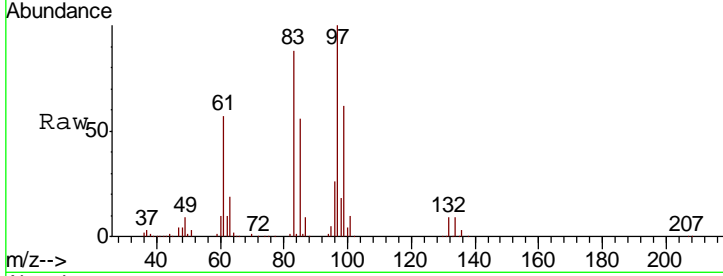
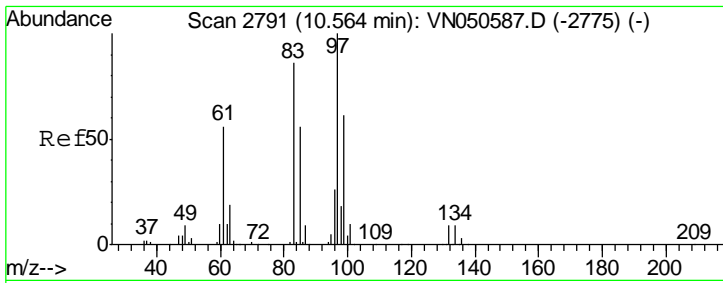
Manual Integrations
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 MMDadoda
 8/15/2018 3:32:49 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.27 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
75	100		
77	32.5	25.6	38.4
39	42.2	34.4	51.6



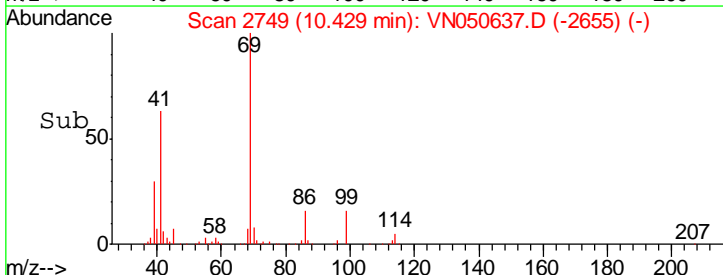
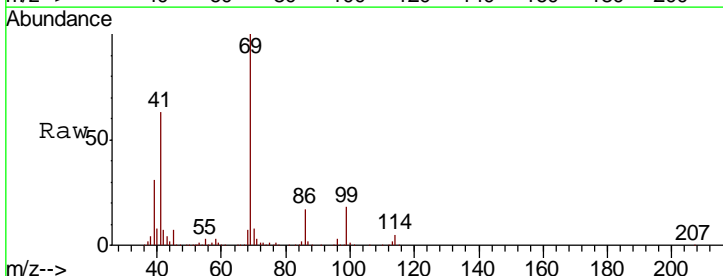
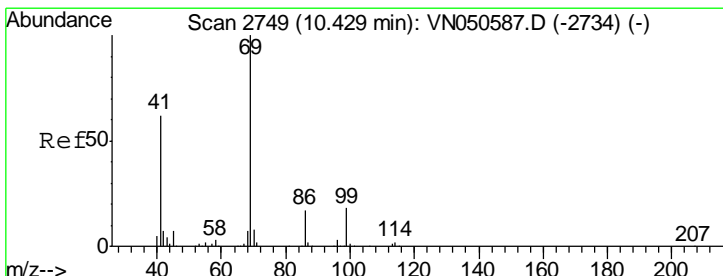
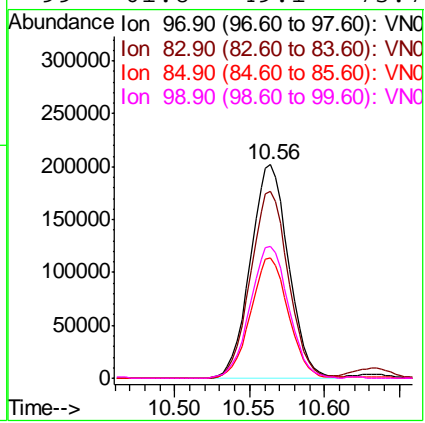


#55
 1,1,2-Trichloroethane
 Concen: 47.83 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
97	357243		
97	100		
83	87.8	68.5	102.7
85	56.3	44.6	66.8
99	61.8	49.1	73.7

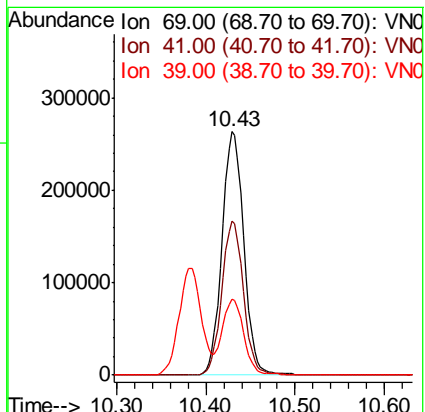
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

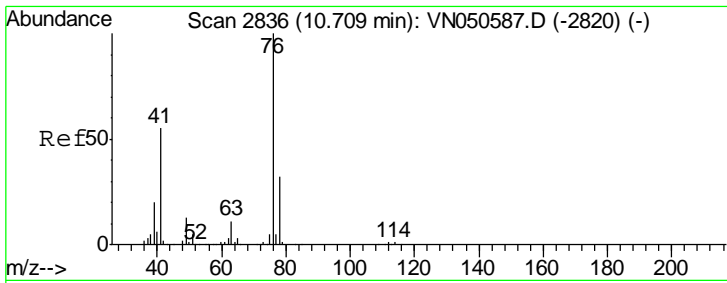
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 47.00 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
69	446719		
69	100		
41	62.1	49.7	74.5
39	31.4	24.2	36.2



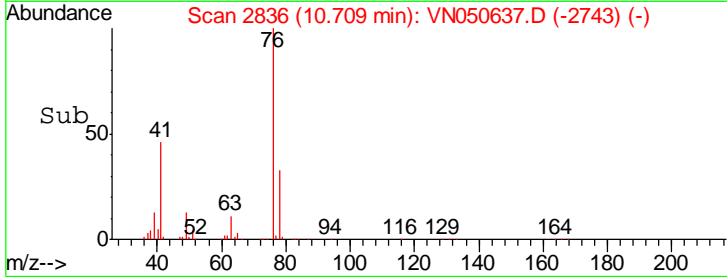
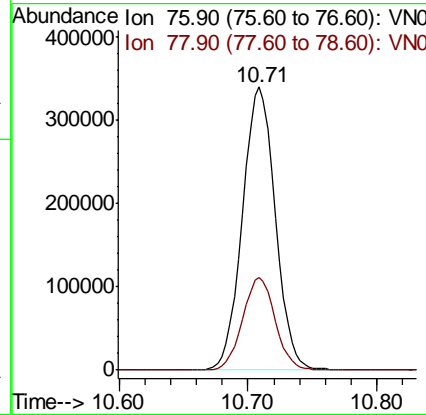
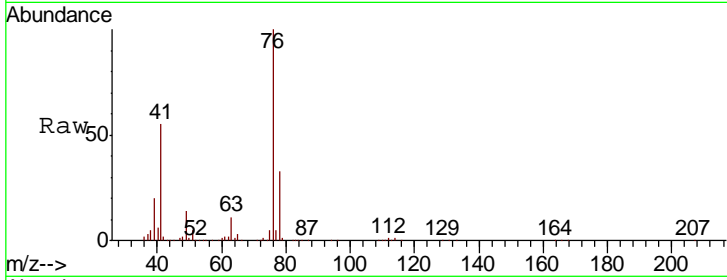


#57
 1,3-Dichloropropane
 Concen: 49.19 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

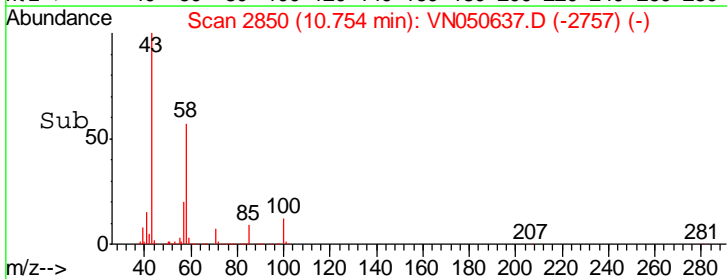
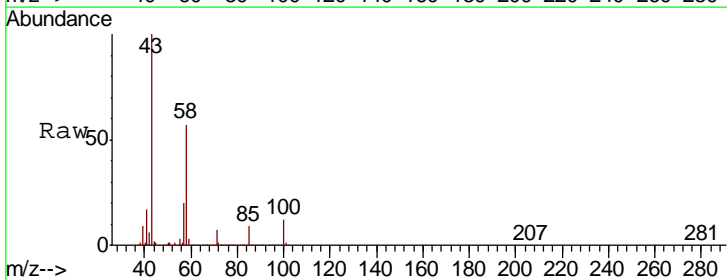
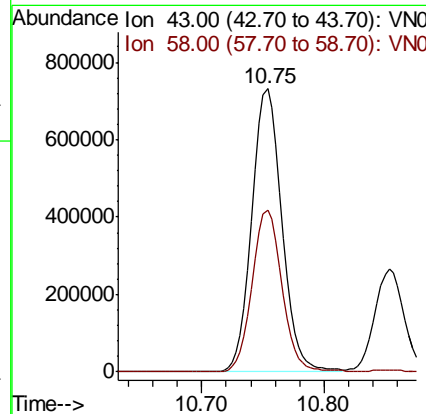
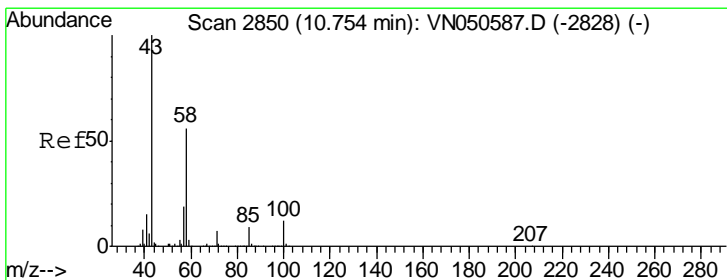
Tgt Ion	Resp	Lower	Upper
76	602327		
76	100		
78	32.6	25.8	38.6

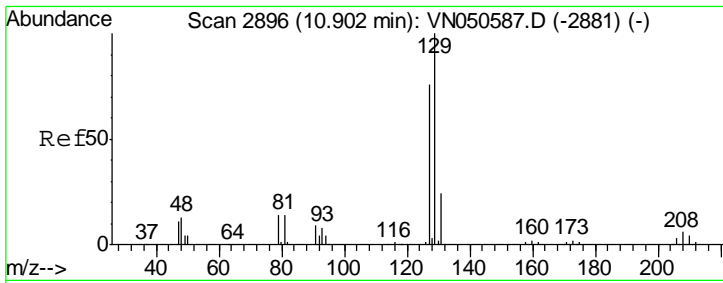
Manual Integrations
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#59
 2-Hexanone
 Concen: 250.32 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
43	1238919		
43	100		
58	56.8	28.0	84.0



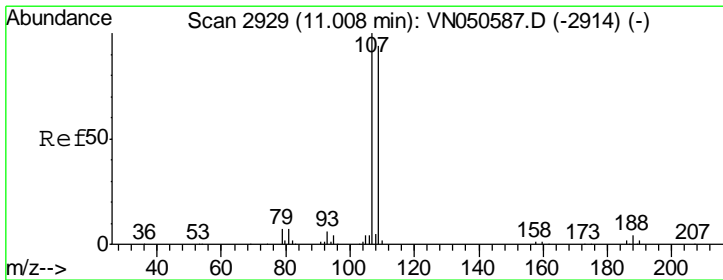
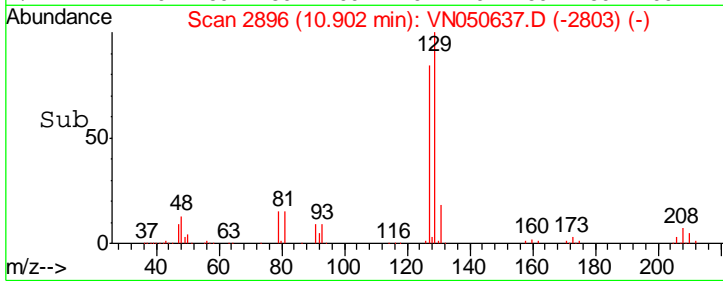
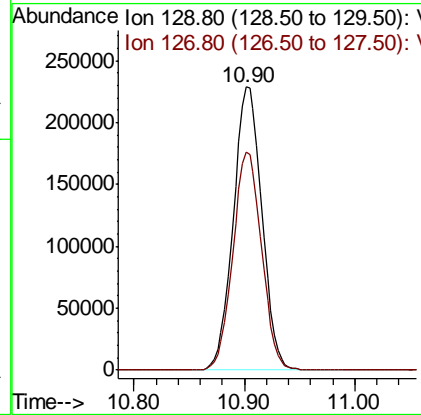
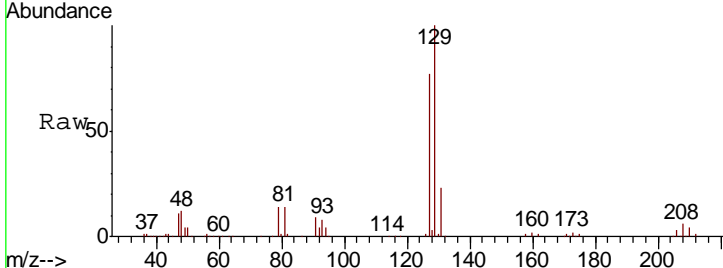


#60
 Dibromochloromethane
 Concen: 49.97 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

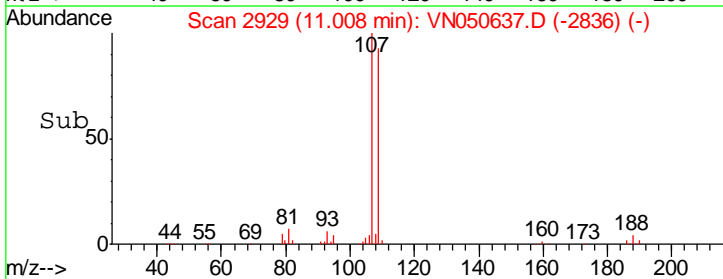
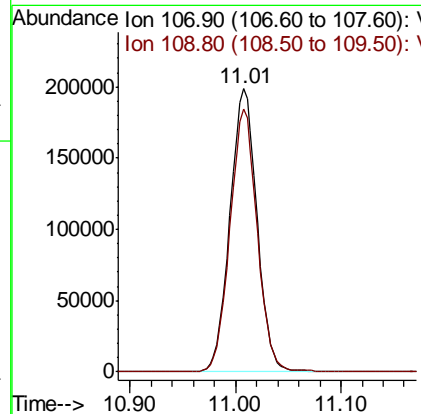
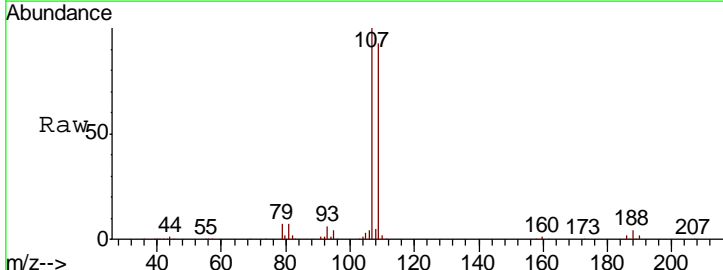
Tgt Ion	Resp	Lower	Upper
129	411905		
127	77.4	38.9	116.7

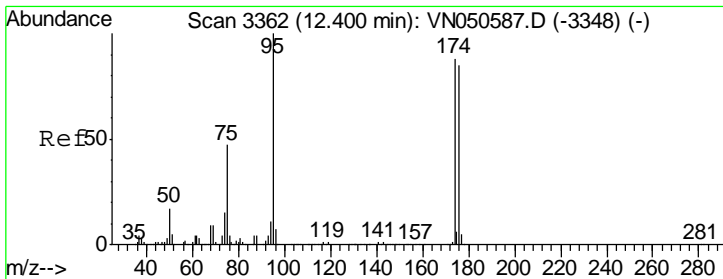
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:32:49 PM



#61
 1,2-Dibromoethane
 Concen: 49.44 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
107	351690		
109	93.2	75.7	113.5



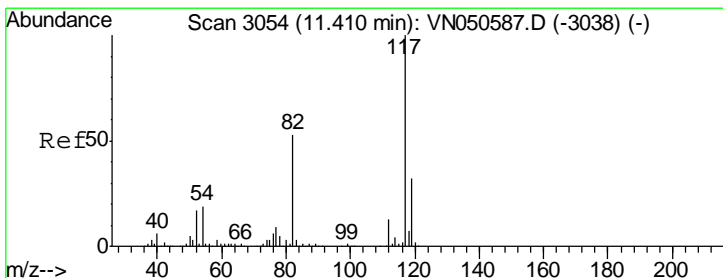
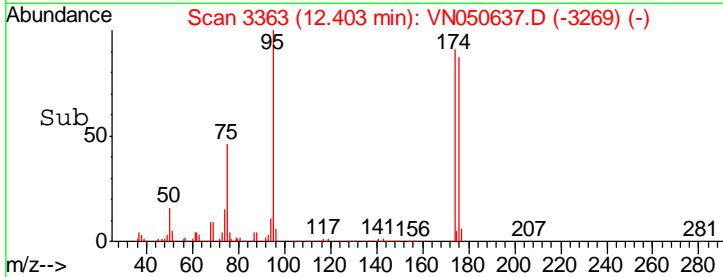
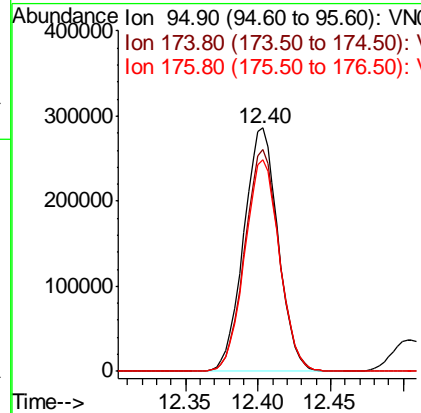
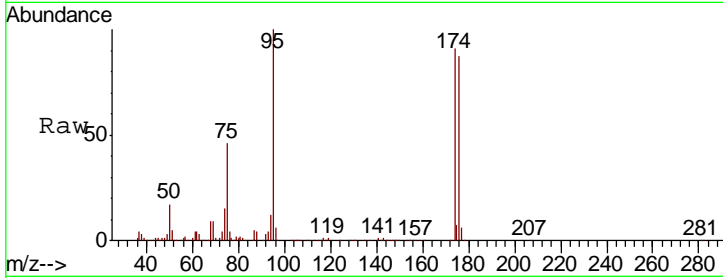


#62
 4-Bromofluorobenzene
 Concen: 48.09 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

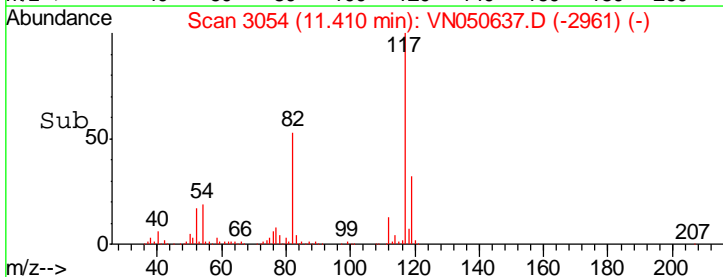
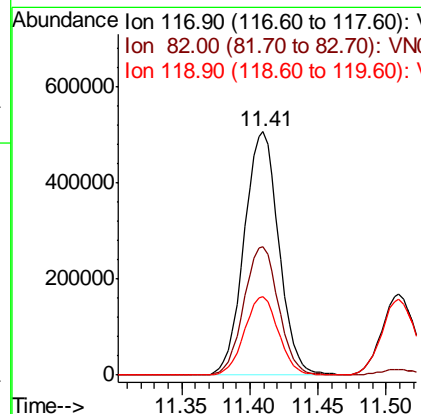
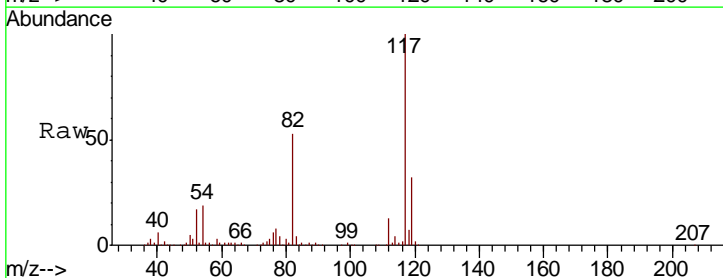
Tgt Ion	Resp	Lower	Upper
95	471963		
95	100		
174	90.8	0.0	177.8
176	87.7	0.0	175.0

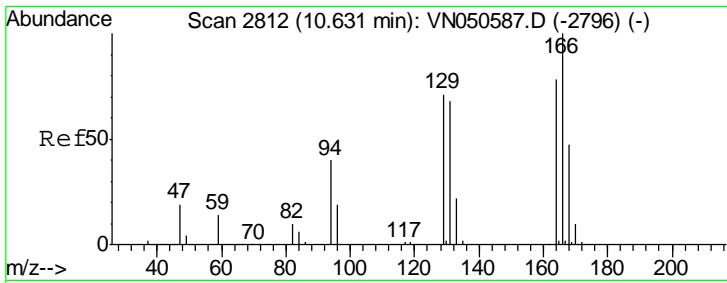
Manual Integrations
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 MMDadoda
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#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

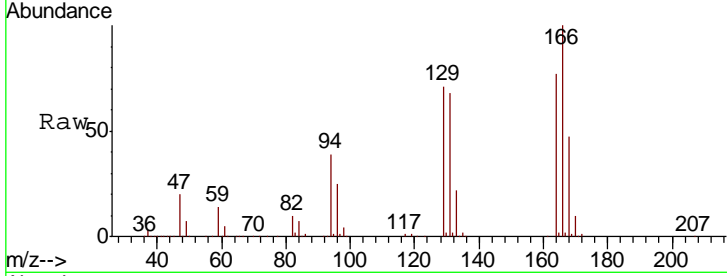
Tgt Ion	Resp	Lower	Upper
117	893147		
117	100		
82	52.9	42.4	63.6
119	32.0	25.8	38.8





#64
 Tetrachloroethene
 Concen: 97.02 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

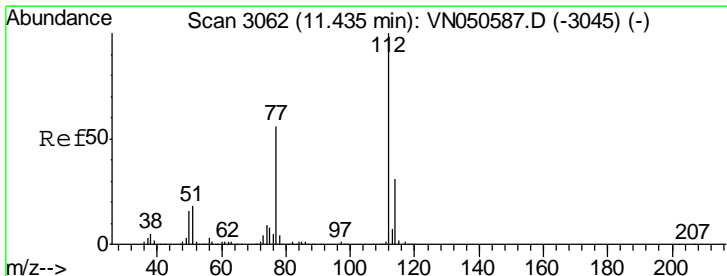
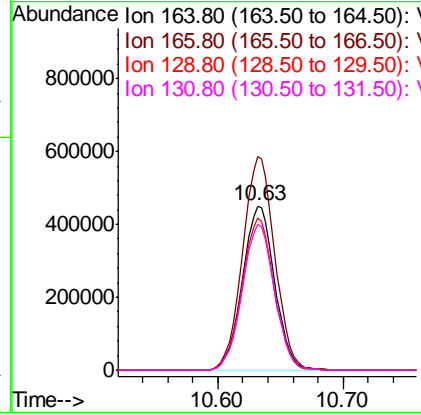
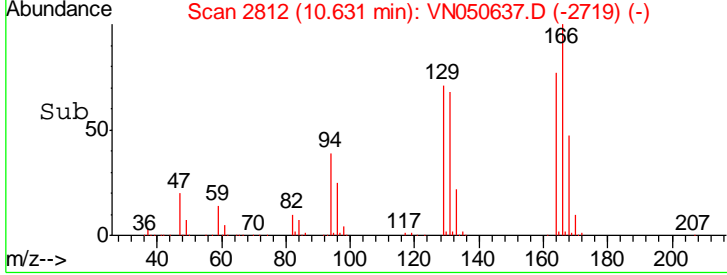
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD



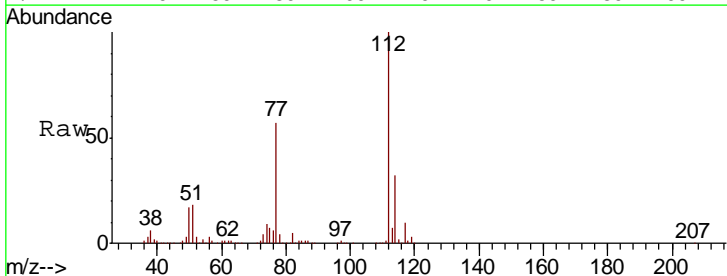
Tgt Ion: 164 Resp: 804718

Ion	Ratio	Lower	Upper
164	100		
166	130.0	102.1	153.1
129	92.4	72.7	109.1
131	88.4	69.9	104.9

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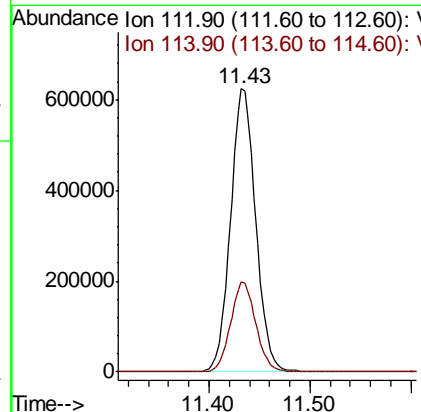
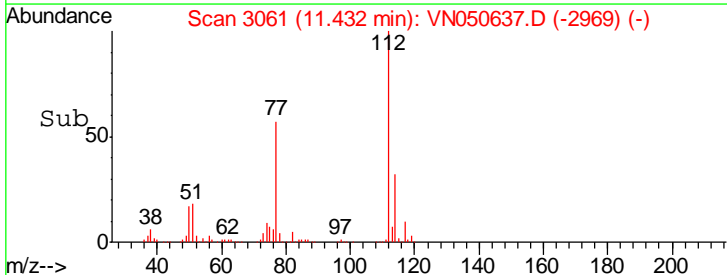


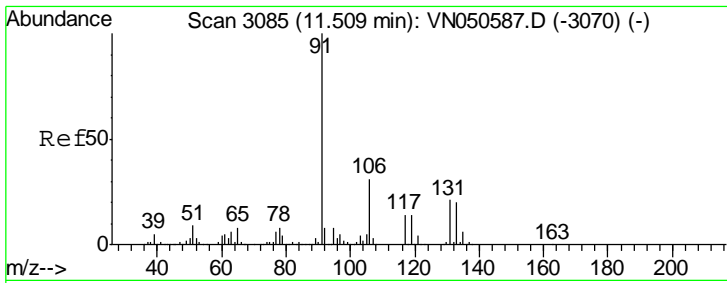
#65
 Chlorobenzene
 Concen: 48.94 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23



Tgt Ion: 112 Resp: 1087858

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.2	37.8



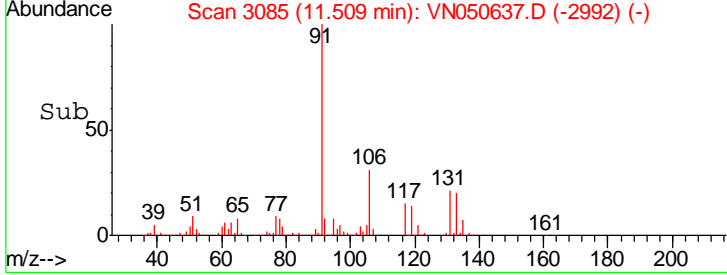
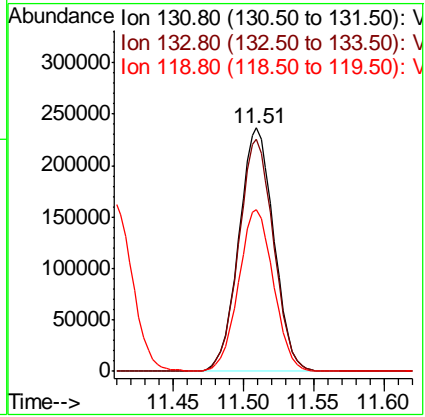
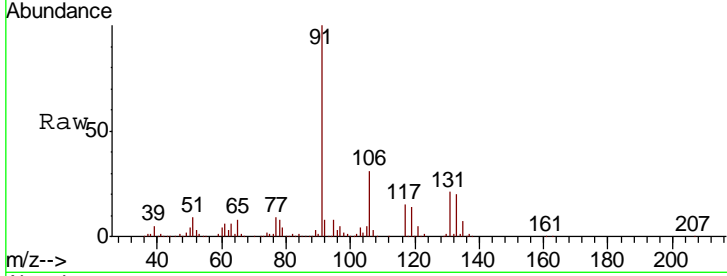


#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.22 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

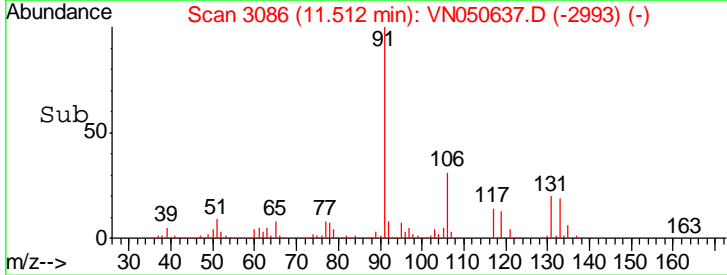
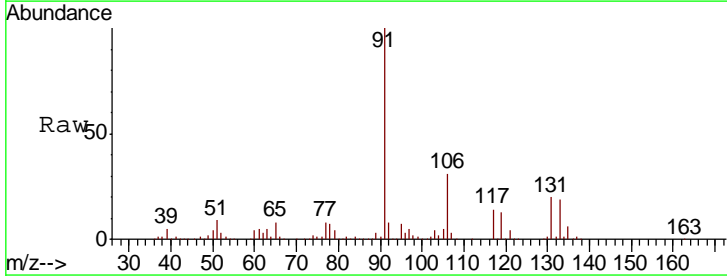
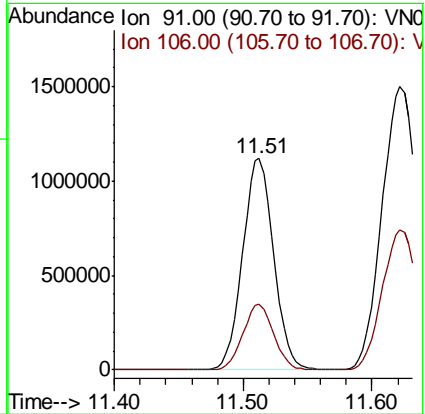
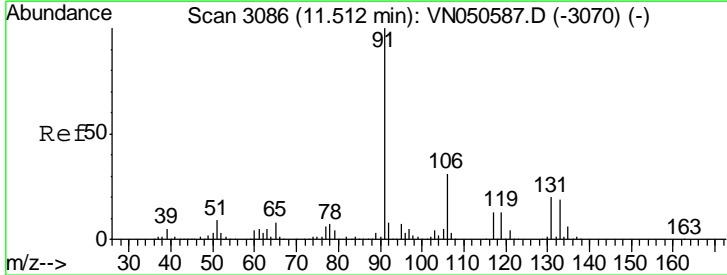
Tgt Ion	Resp	Lower	Upper
131	100		
133	95.3	47.6	142.9
119	66.3	33.1	99.3

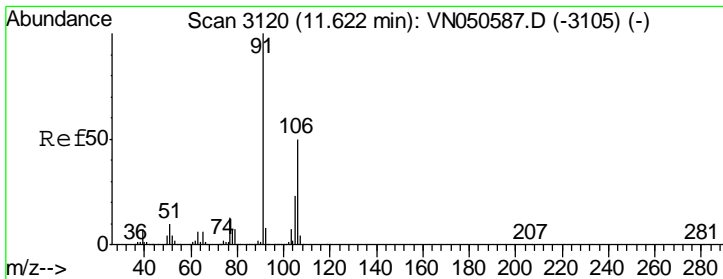
Manual Integrations
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#67
 Ethyl Benzene
 Concen: 52.25 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.0	24.8	37.2



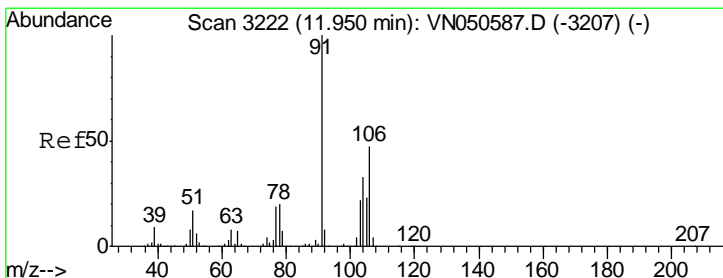
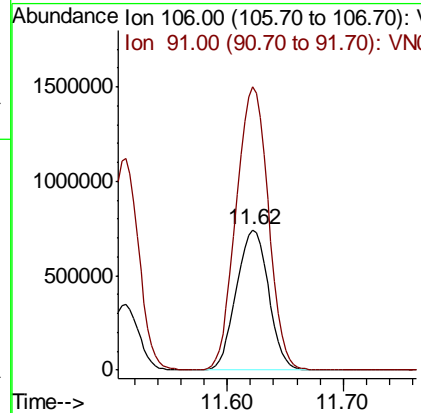
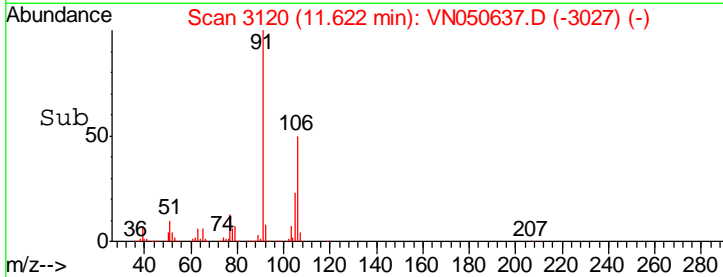
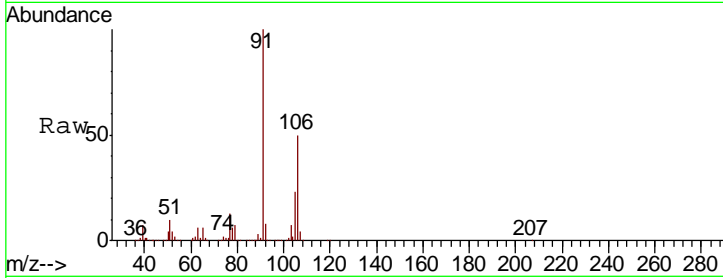


#68
 m/p-Xylenes
 Concen: 104.12 ug/l
 RT: 11.62 min Scan# 3120
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

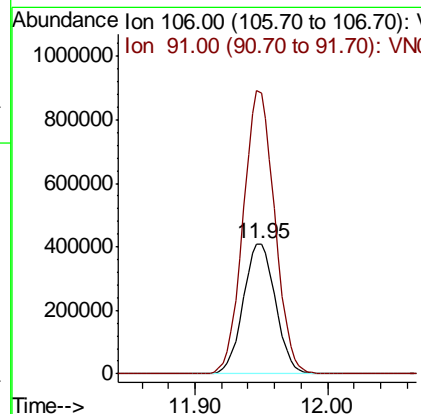
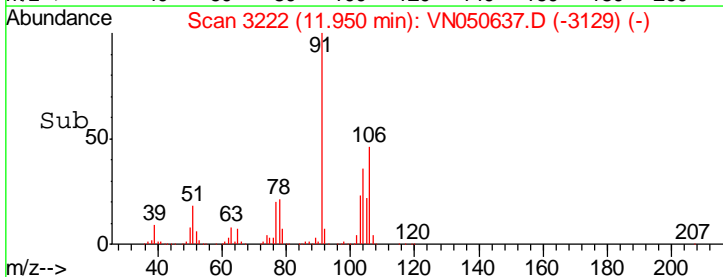
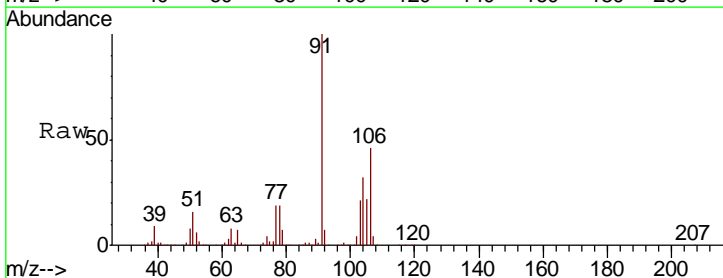
Tgt Ion	Resp	Lower	Upper
106	1429340		
106	100		
91	202.6	161.5	242.3

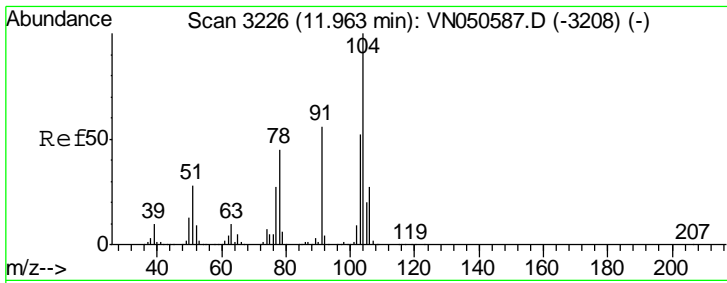
Manual Integrations
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#69
 o-Xylene
 Concen: 52.73 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
106	690198		
106	100		
91	213.3	106.8	320.4





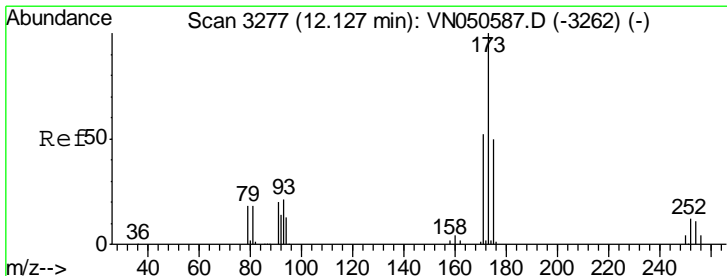
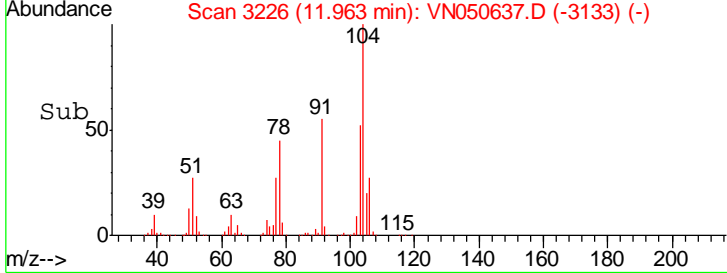
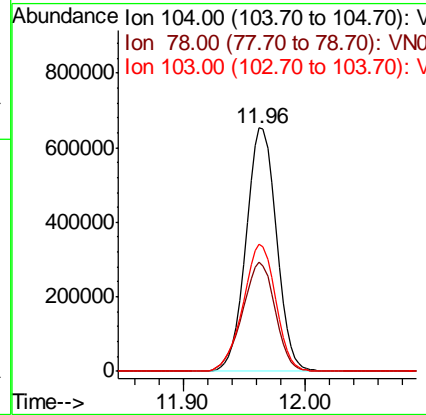
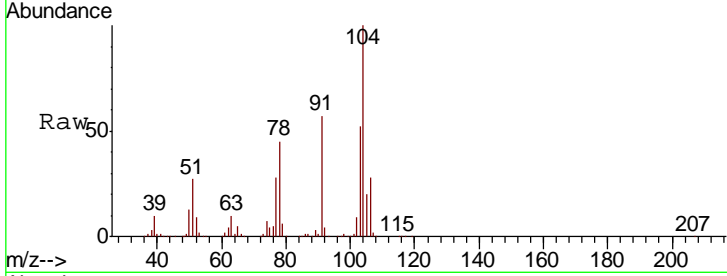
#70
 Styrene
 Concen: 48.05 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

Tgt Ion: 104 Resp: 1117700

Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.1	58.7
103	56.2	44.9	67.3

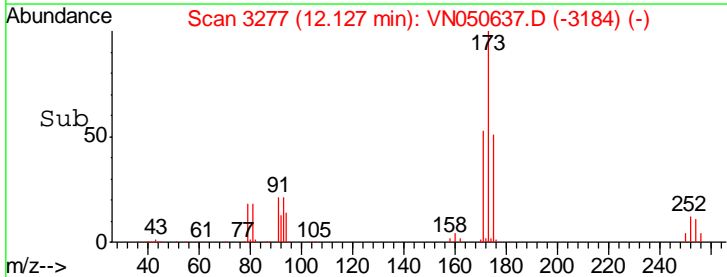
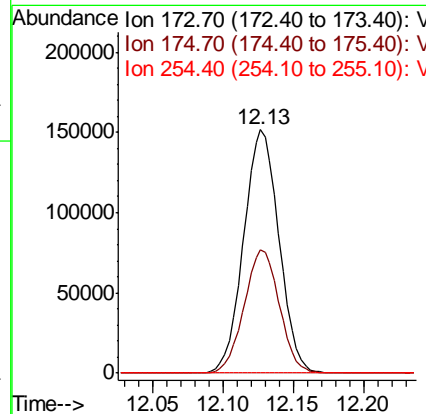
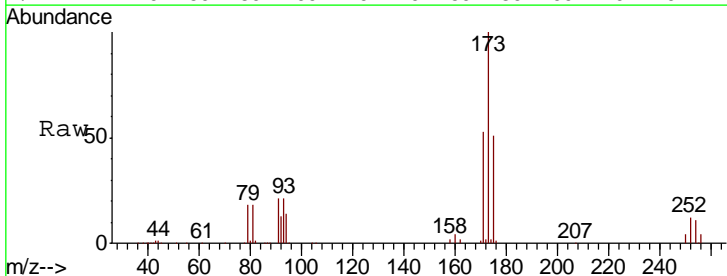
Manual Integrations
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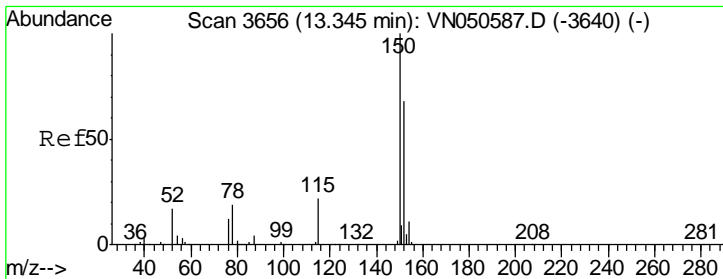


#71
 Bromoform
 Concen: 48.18 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion: 173 Resp: 266204

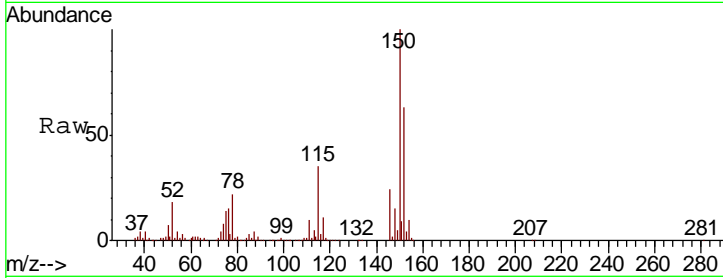
Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.4	73.2
254	0.1	0.0	0.0#





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

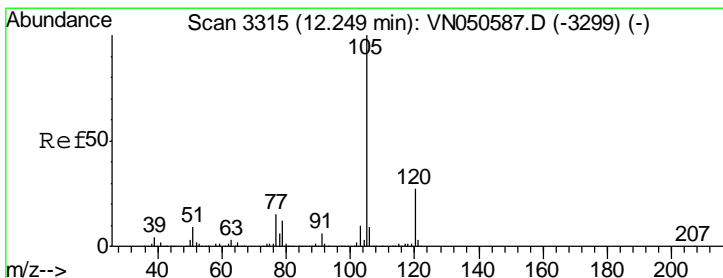
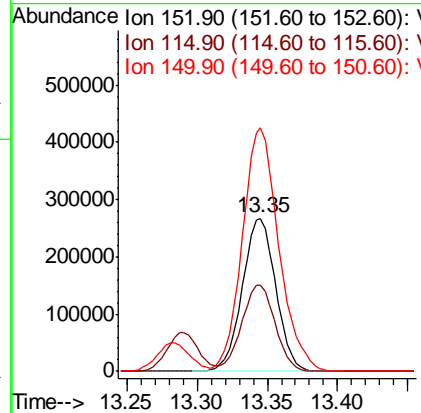
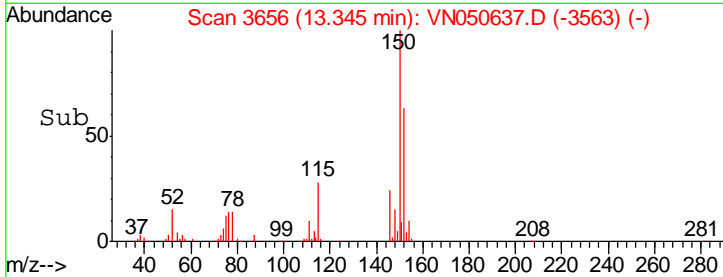
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD



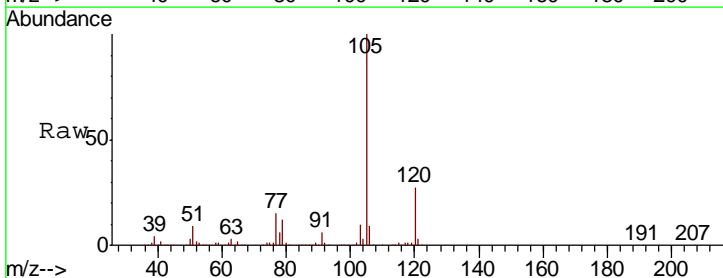
Tgt Ion: 152 Resp: 442048

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.1	84.2
150	173.5	0.0	347.8

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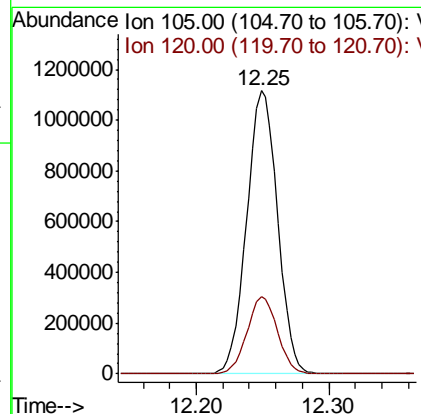
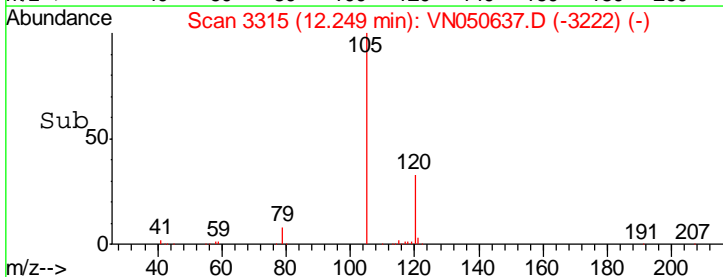


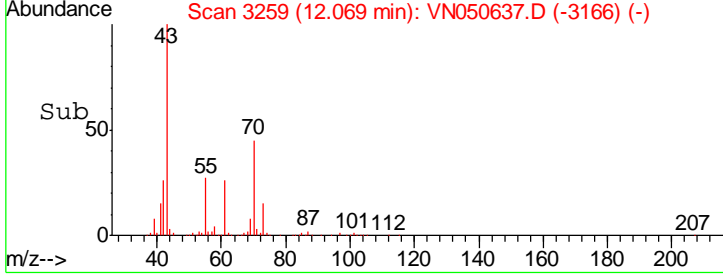
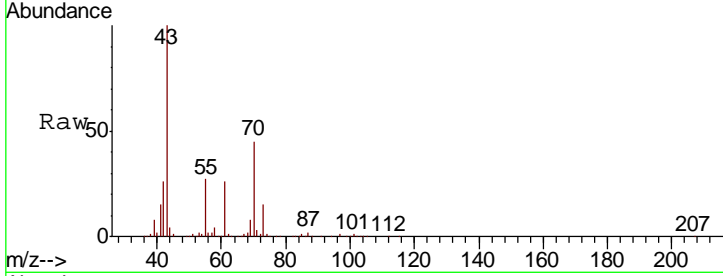
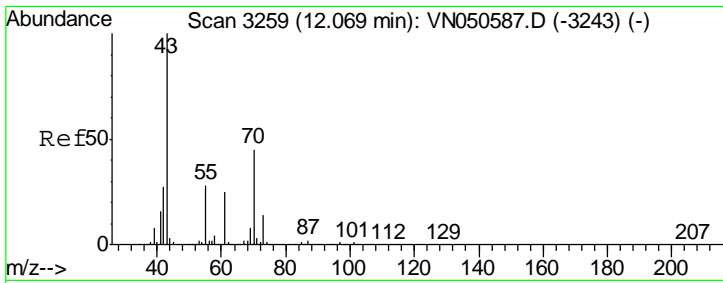
#73
 Isopropylbenzene
 Concen: 52.19 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23



Tgt Ion: 105 Resp: 1802332

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.4	40.1



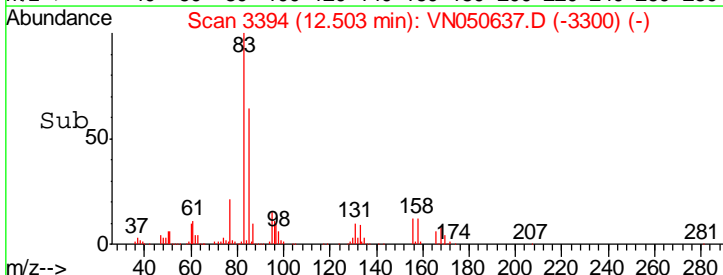
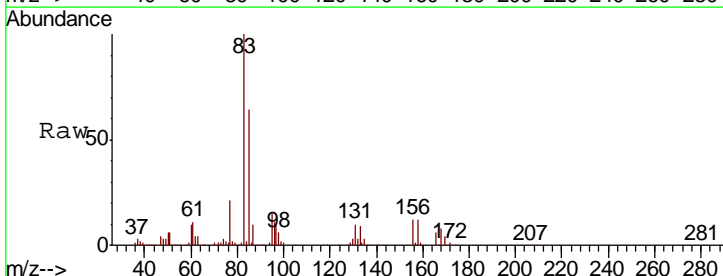
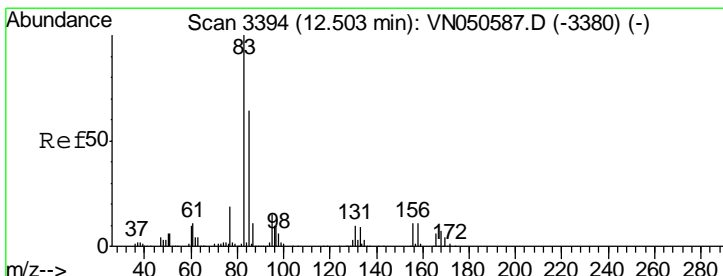
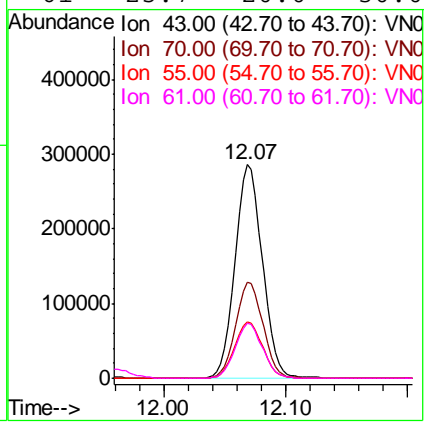


#74
 N-amyl acetate
 Concen: 49.40 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
43	100		
70	44.9	35.9	53.9
55	27.4	22.2	33.4
61	25.7	20.0	30.0

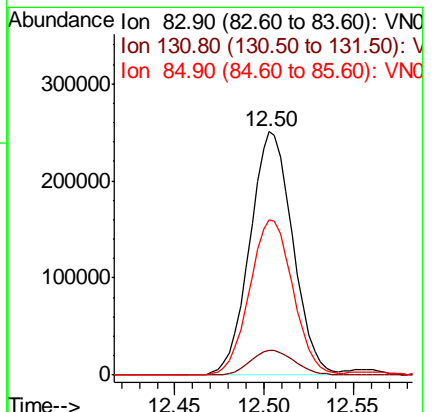
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

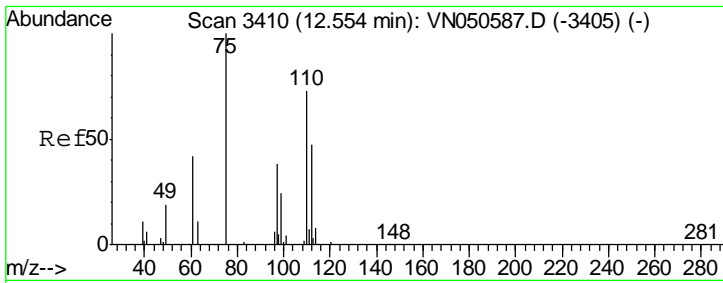
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#75
 1,1,2,2-Tetrachloroethane
 Concen: 52.63 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.6	5.3	15.9
85	64.6	32.1	96.5



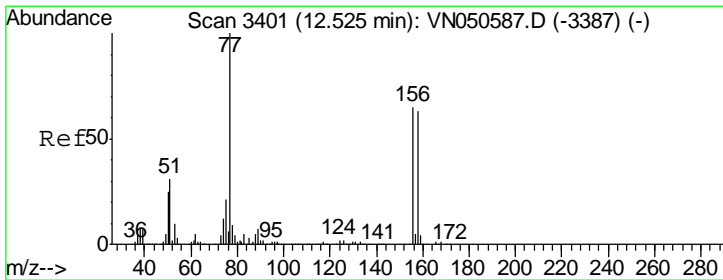
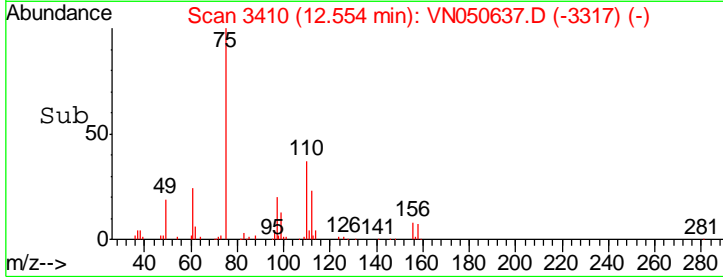
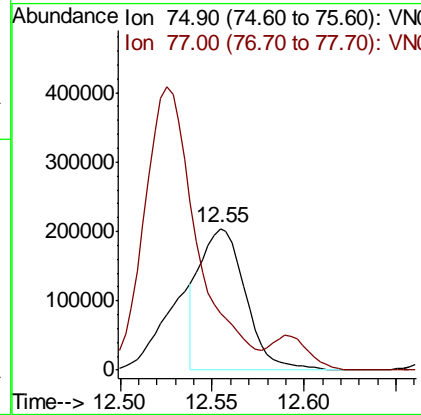
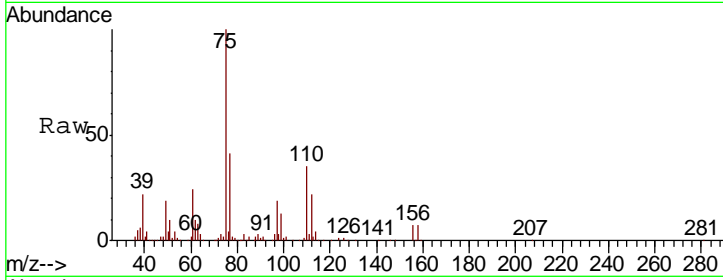


#76
 1,2,3-Trichloropropane
 Concen: 49.08 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

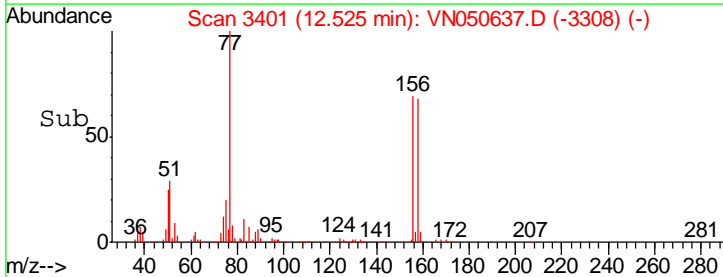
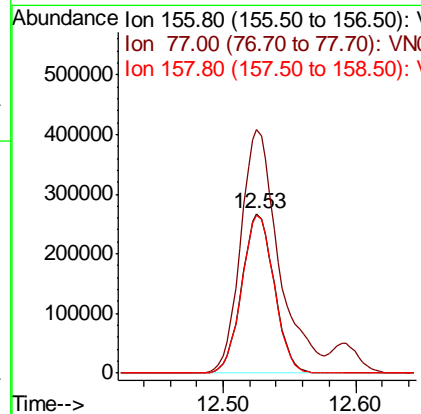
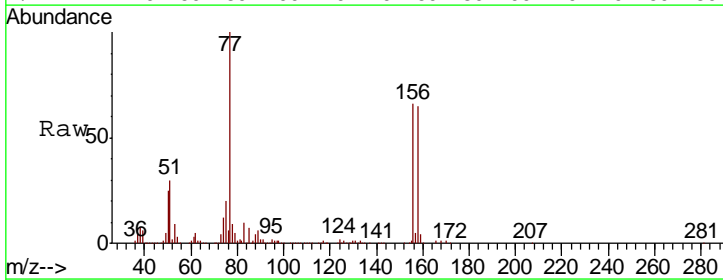
Tgt Ion	Resp	Lower	Upper
75	350664		
75	100		
77	0.0	0.0	0.0

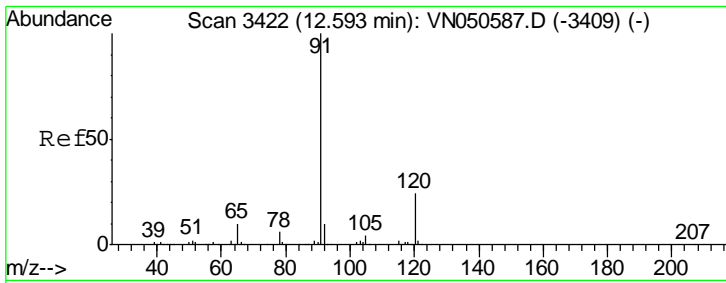
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#77
 Bromobenzene
 Concen: 48.33 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
156	453207		
156	100		
77	180.0	89.0	267.1
158	99.0	48.5	145.6



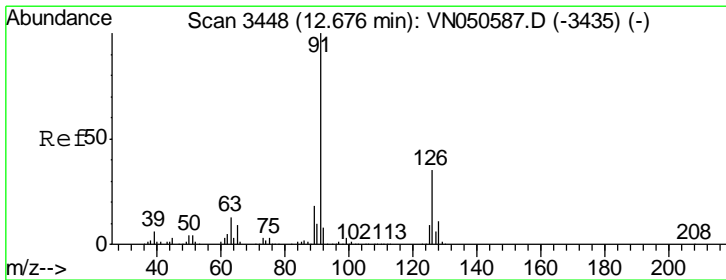
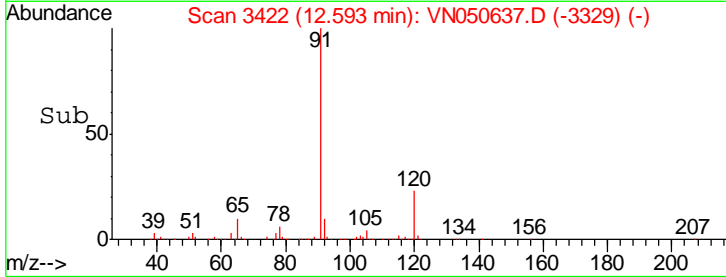
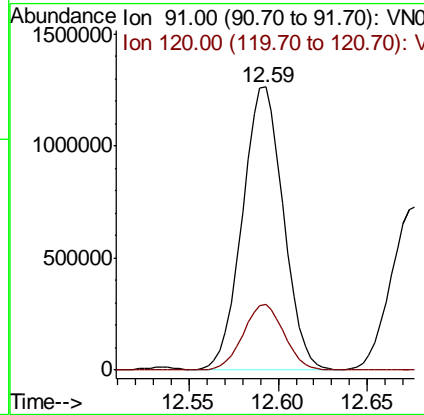
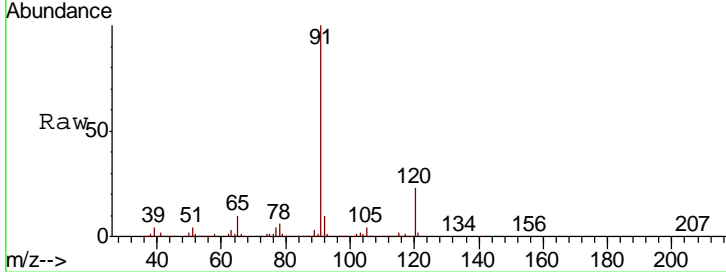


#78
 n-propylbenzene
 Concen: 52.47 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument :
 MSVOA_N
 Client Sampled :
 944-MW-05(17)MSD

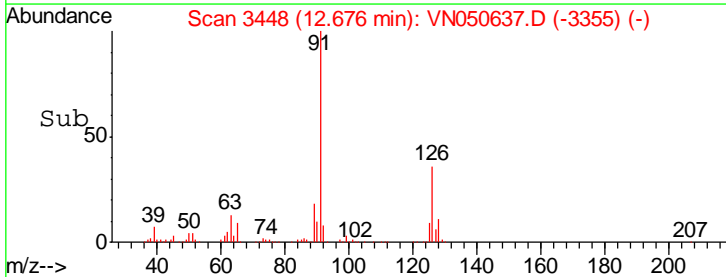
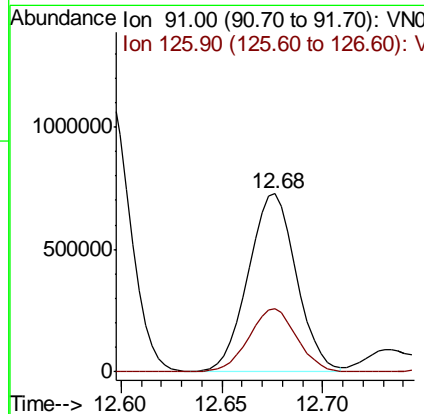
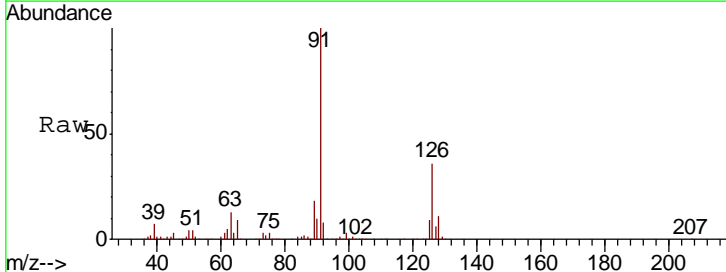
Tgt Ion: 91 Resp: 2020730
 Ion Ratio Lower Upper
 91 100
 120 23.4 11.8 35.4

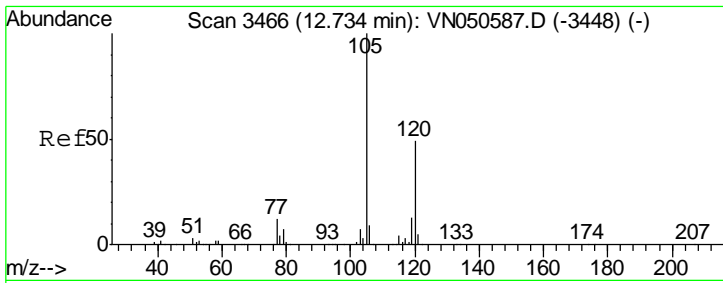
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#79
 2-Chlorotoluene
 Concen: 50.37 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion: 91 Resp: 1209539
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.6 52.8





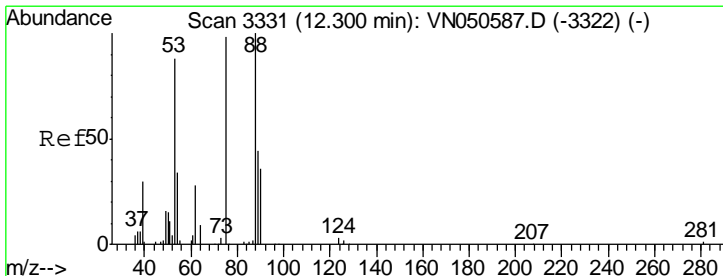
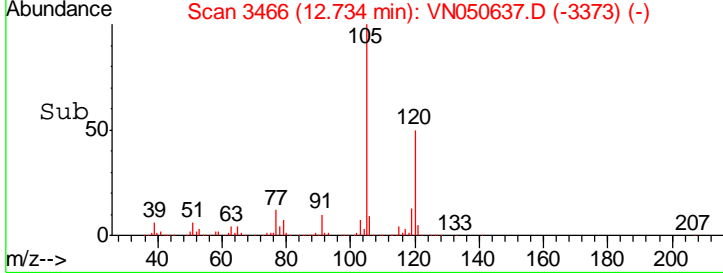
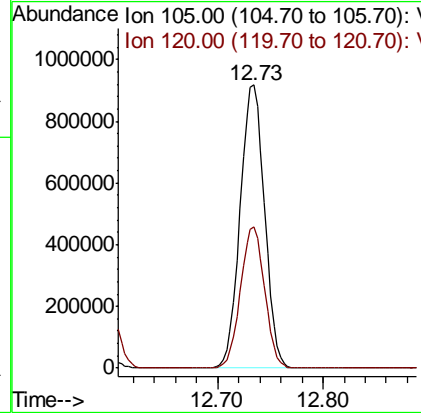
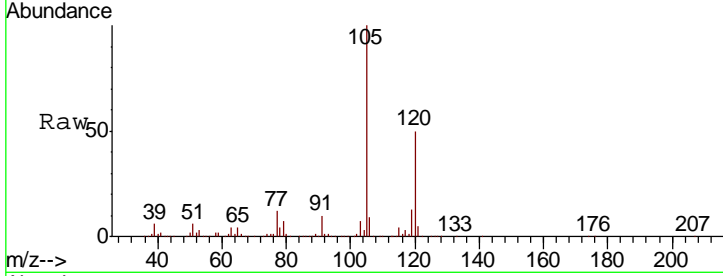
#80
 1,3,5-Trimethylbenzene
 Concen: 53.12 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

Tgt Ion: 105 Resp: 1468933

Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.7	74.1

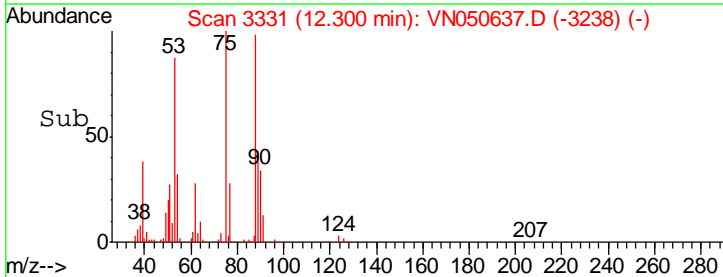
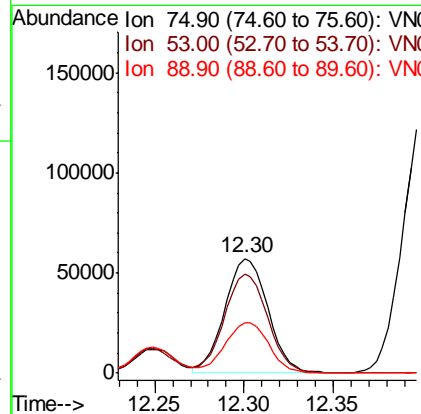
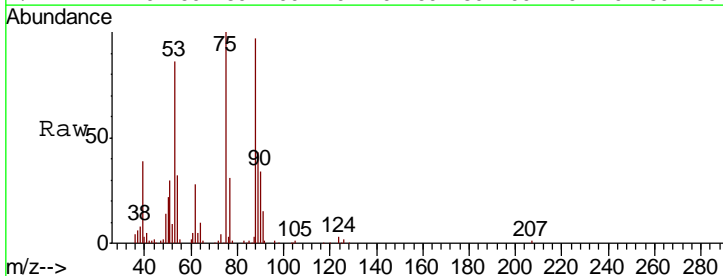
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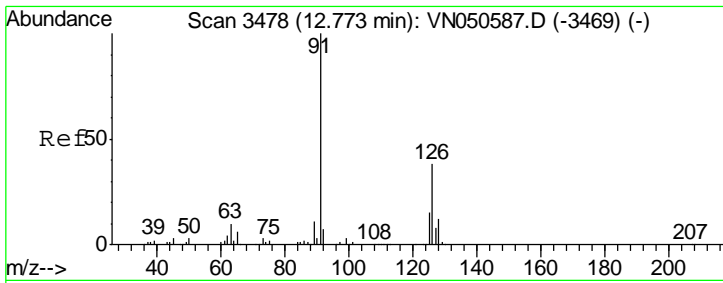


#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.46 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion: 75 Resp: 96357

Ion	Ratio	Lower	Upper
75	100		
53	87.4	72.2	108.2
89	44.3	36.3	54.5





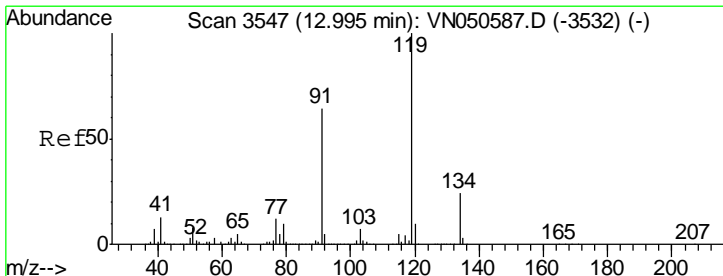
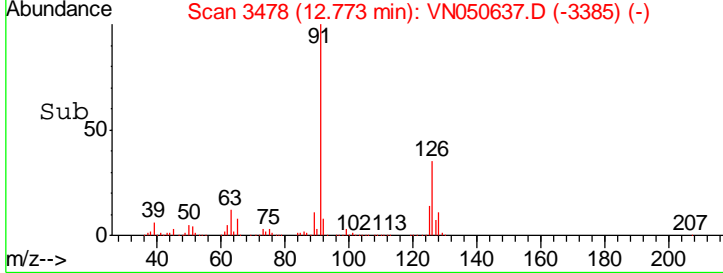
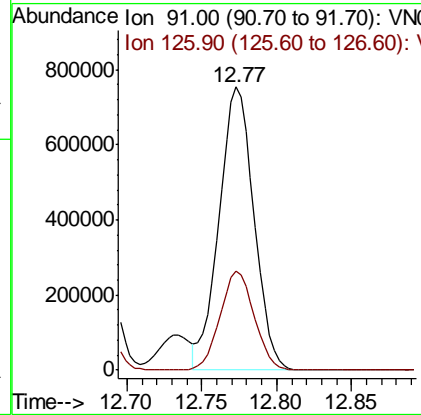
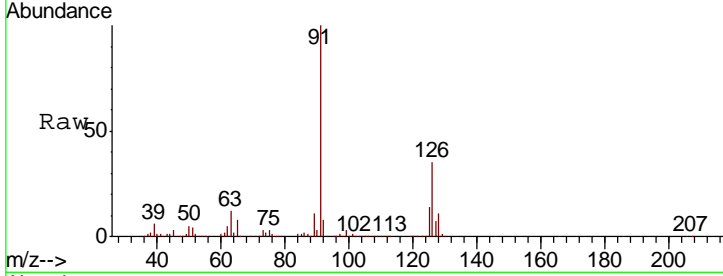
#82
 4-Chlorotoluene
 Concen: 51.45 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

Tgt Ion: 91 Resp: 1220735

Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	52.0

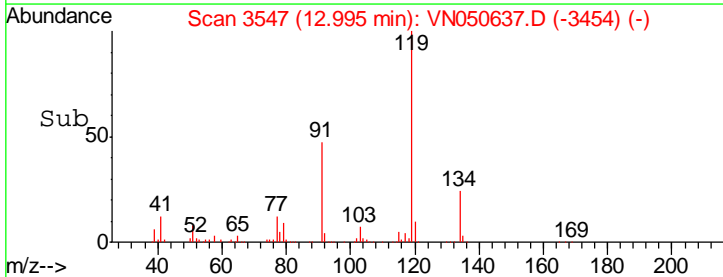
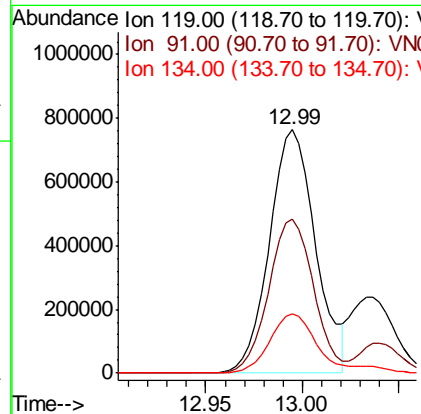
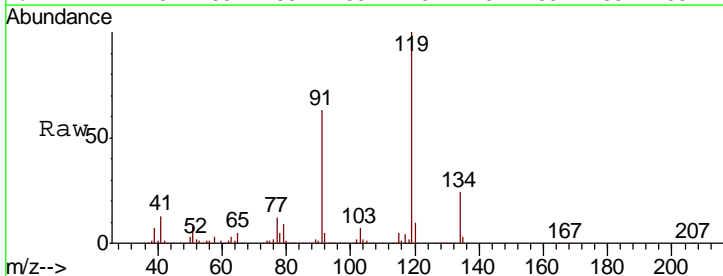
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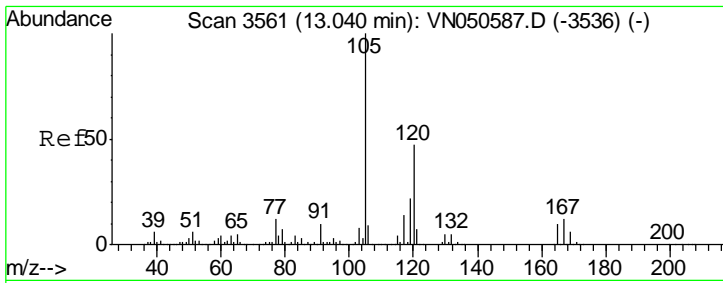


#83
 tert-Butylbenzene
 Concen: 52.74 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion: 119 Resp: 1265992

Ion	Ratio	Lower	Upper
119	100		
91	62.2	32.2	96.6
134	26.3	13.4	40.2



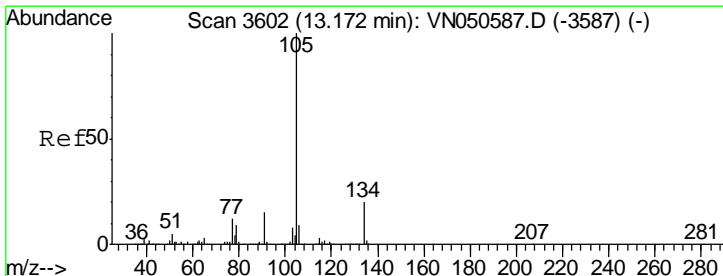
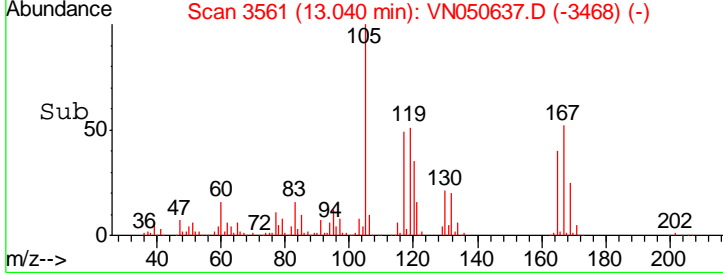
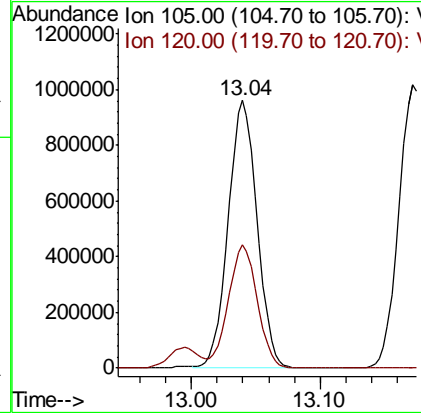
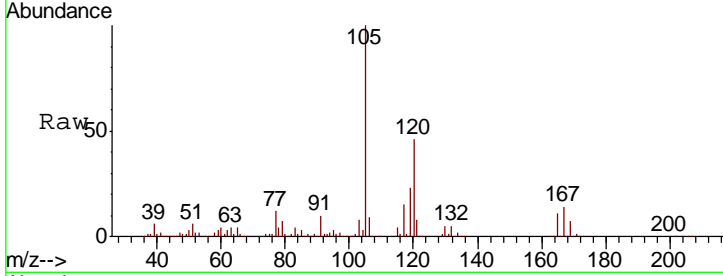


#84
 1,2,4-Trimethylbenzene
 Concen: 53.64 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 ClientSampled : 944-MW-05(17)MSD

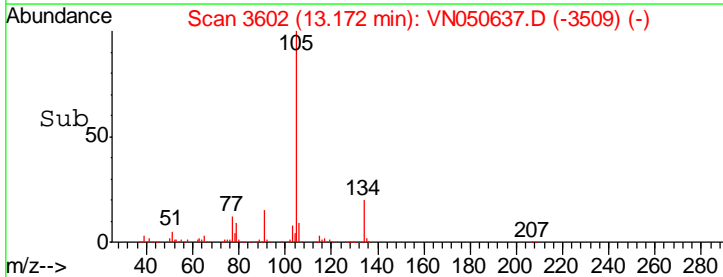
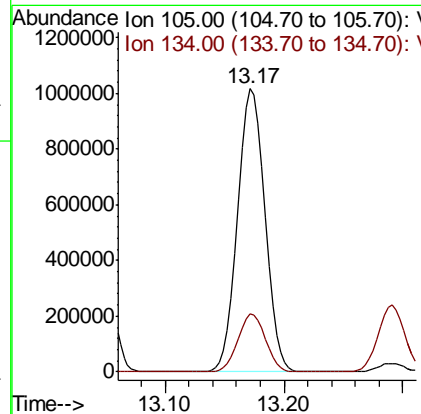
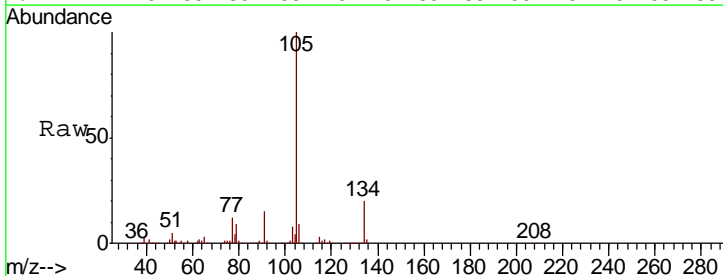
Tgt Ion	Resp	Lower	Upper
105	100		
120	46.3	23.2	69.5

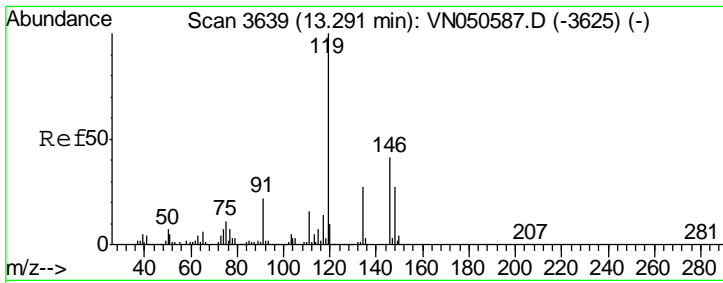
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#85
 sec-Butylbenzene
 Concen: 51.83 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.5	10.1	30.3



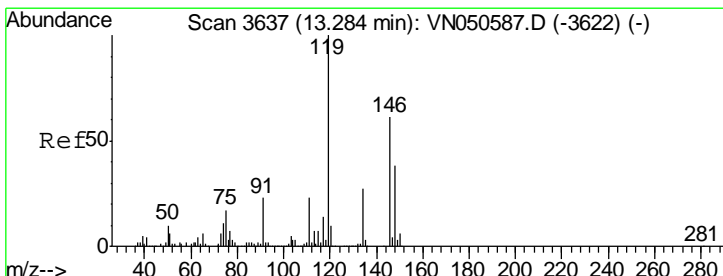
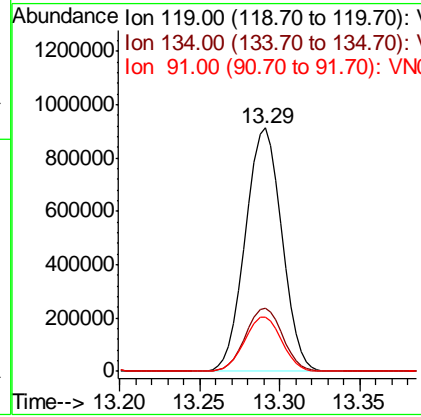
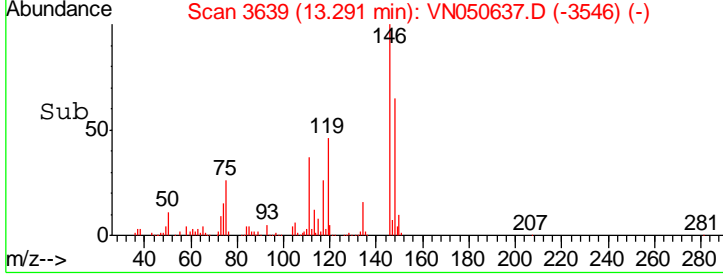
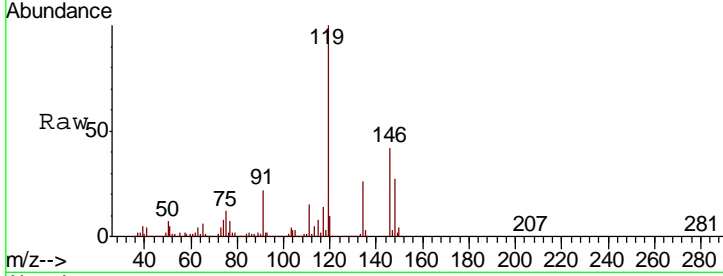


#86
 p-Isopropyltoluene
 Concen: 53.28 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument :
 MSVOA_N
 ClientSampleId :
 944-MW-05(17)MSD

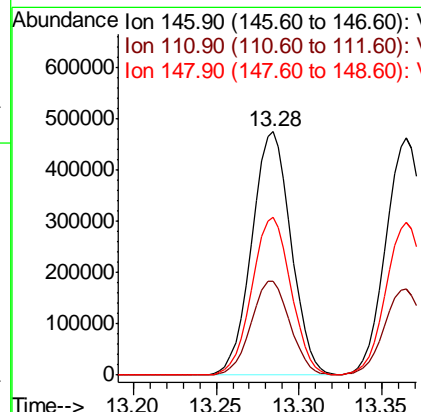
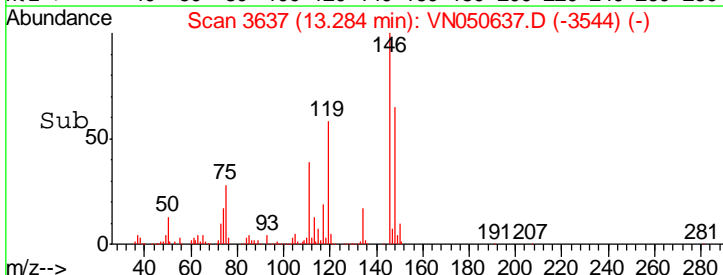
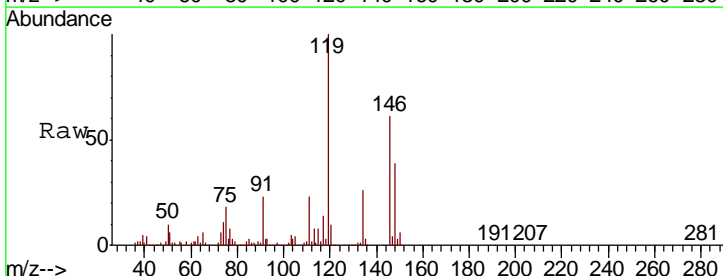
Tgt Ion	Resp	Lower	Upper
119	1416119		
134	26.3	13.5	40.4
91	22.5	11.2	33.6

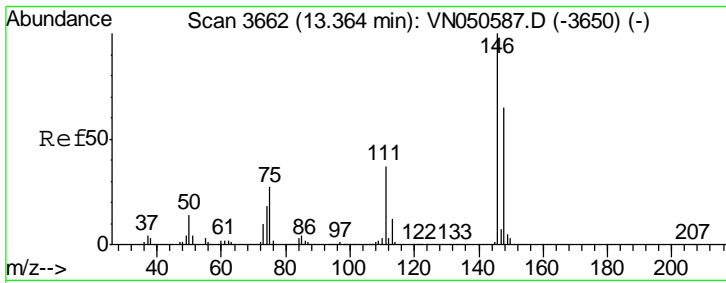
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#87
 1,3-Dichlorobenzene
 Concen: 48.82 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

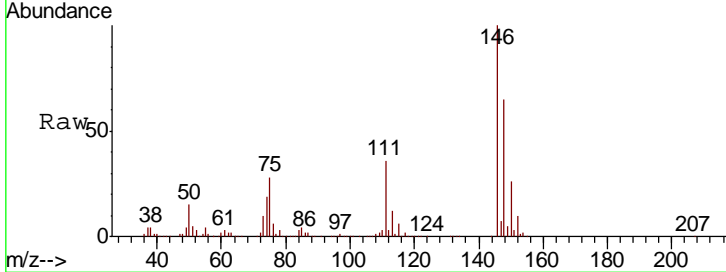
Tgt Ion	Resp	Lower	Upper
146	779242		
111	38.3	19.2	57.6
148	64.7	31.9	95.7





#88
 1,4-Dichlorobenzene
 Concen: 47.94 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

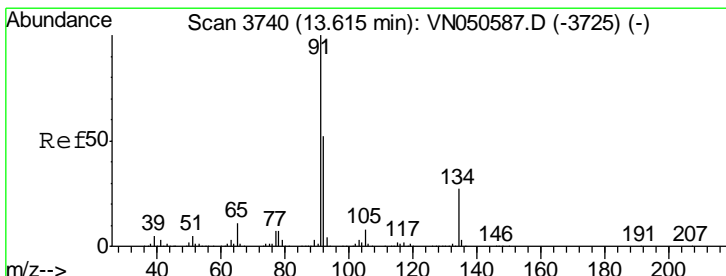
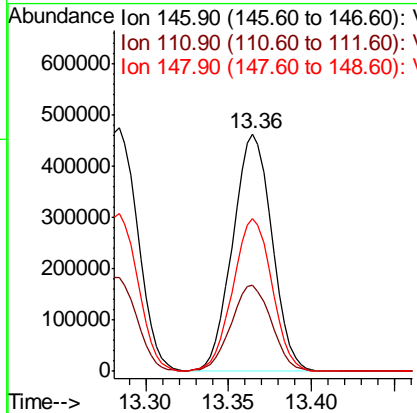
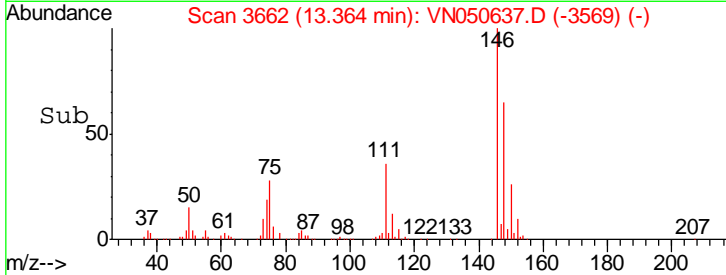
Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD



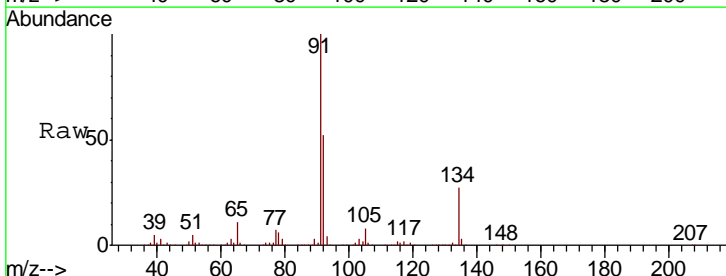
Tgt Ion: 146 Resp: 759466

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	64.5	32.3	96.8

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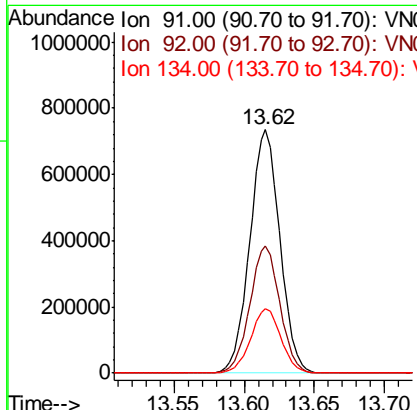
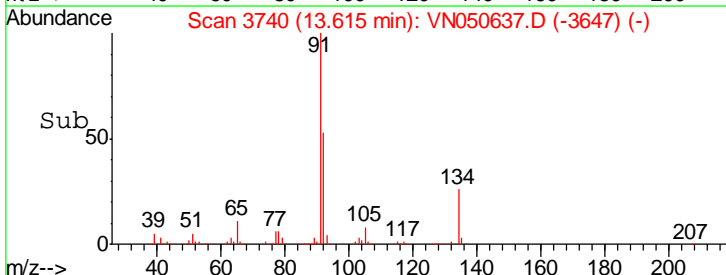


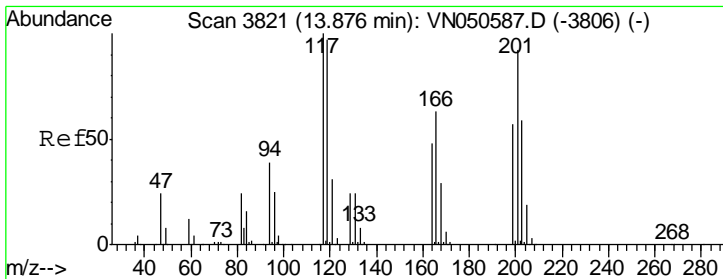
#89
 n-Butylbenzene
 Concen: 51.26 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23



Tgt Ion: 91 Resp: 1100143

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.8
134	26.6	13.3	39.9



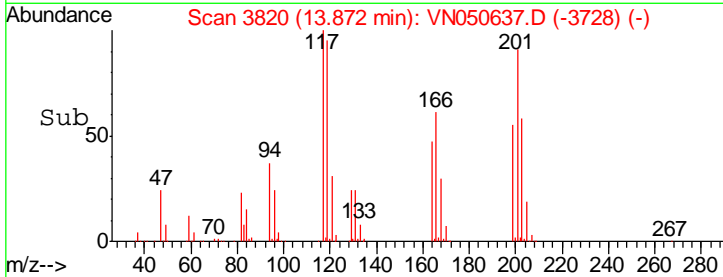
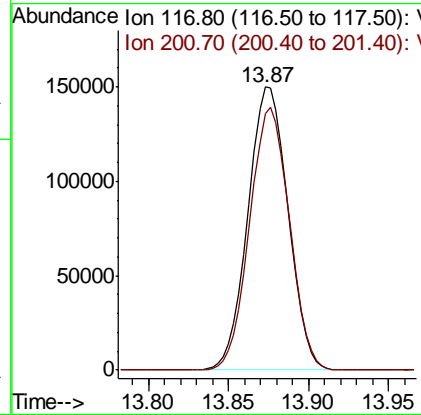
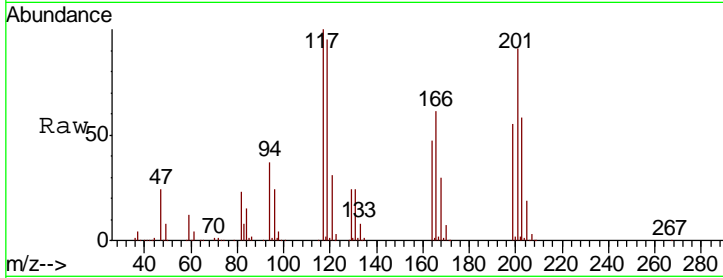


#90
 Hexachloroethane
 Concen: 48.09 ug/l
 RT: 13.87 min Scan# 3820
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

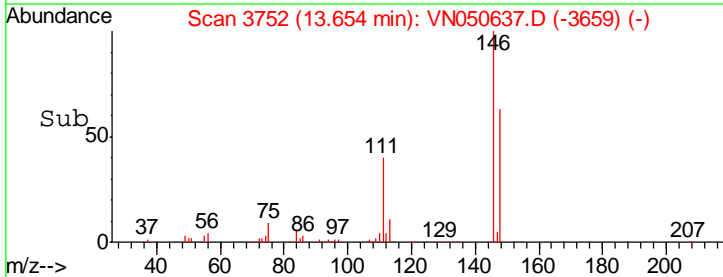
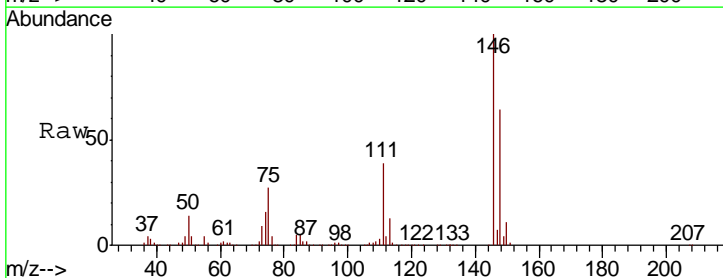
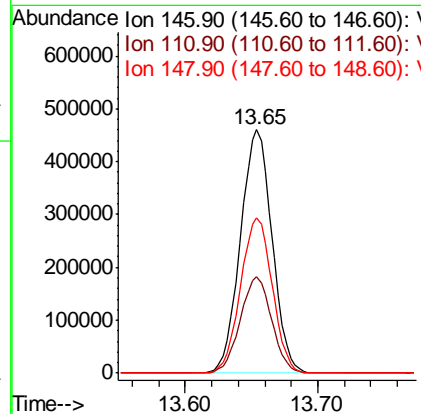
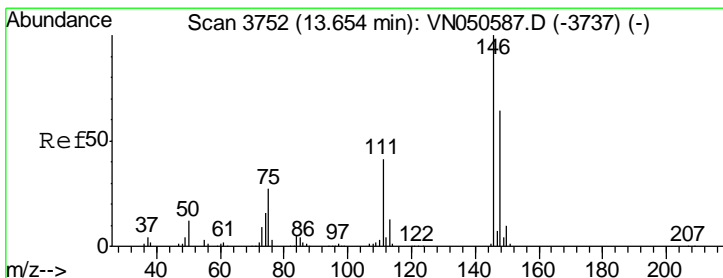
Tgt Ion	Resp	Lower	Upper
117	100		
201	92.0	45.5	136.5

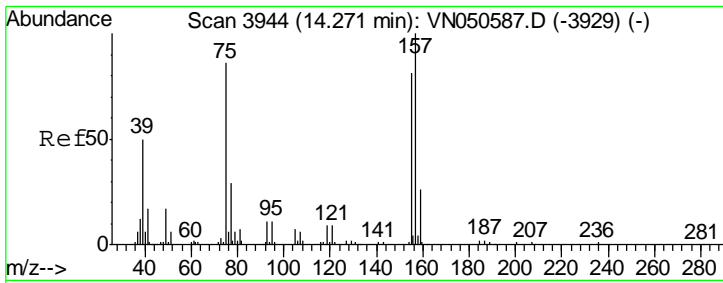
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#91
 1,2-Dichlorobenzene
 Concen: 48.82 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	64.2	32.3	96.8





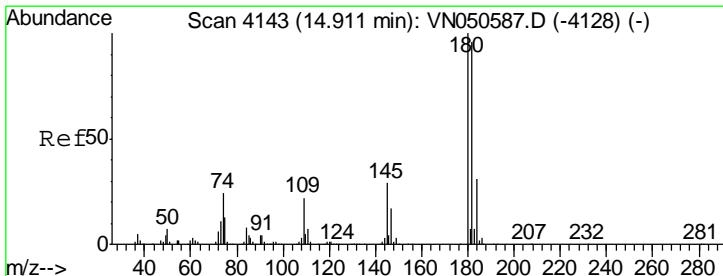
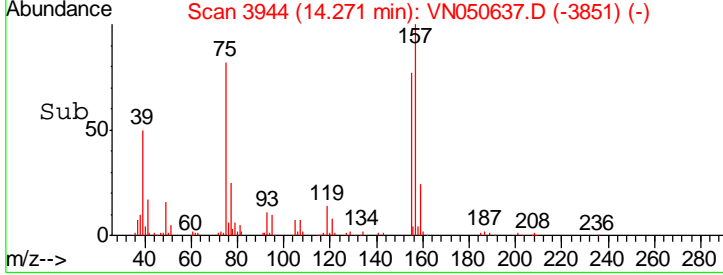
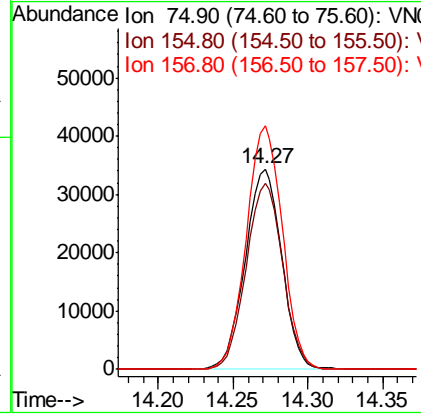
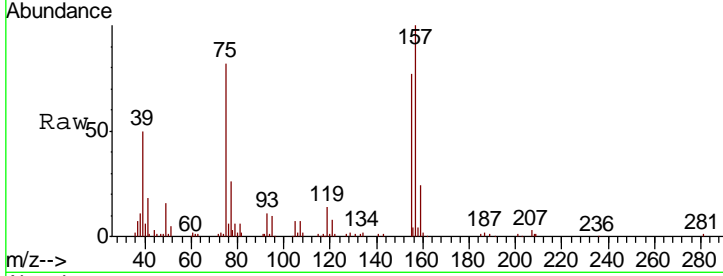
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.38 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD

Tgt Ion	Resp	Lower	Upper
75	58385		
75	100		
155	92.7	46.6	139.8
157	120.1	58.1	174.2

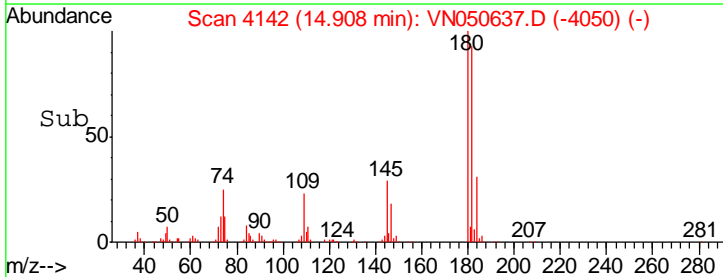
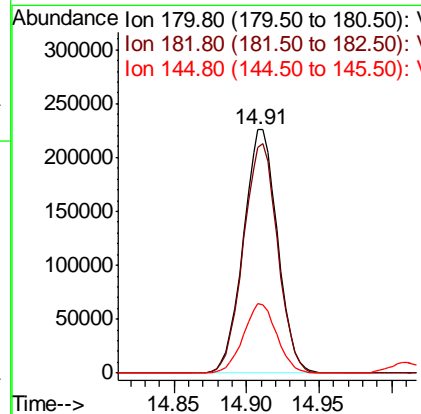
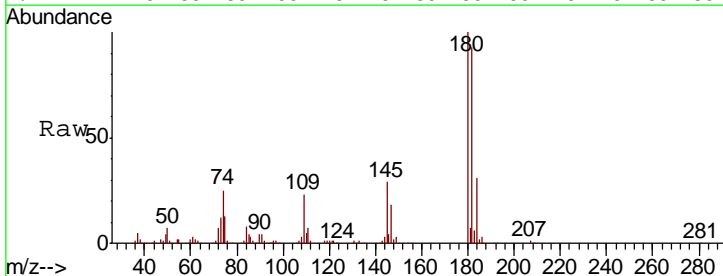
Manual Integrations
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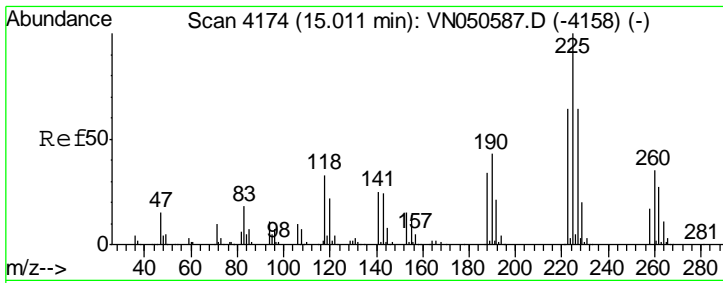
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#93
 1,2,4-Trichlorobenzene
 Concen: 46.42 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Tgt Ion	Resp	Lower	Upper
180	369360		
180	100		
182	94.7	47.9	143.7
145	28.0	14.4	43.4



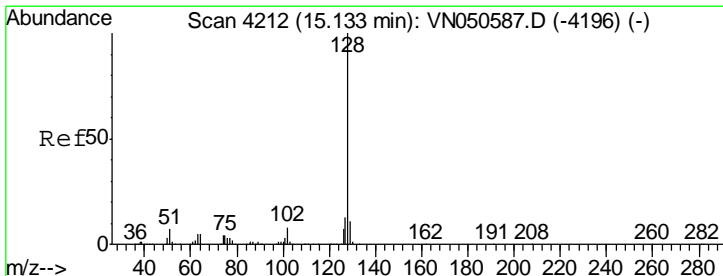
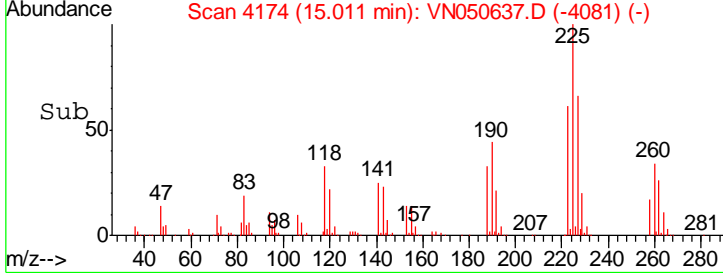
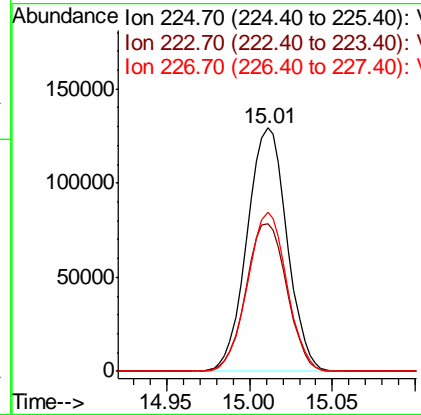
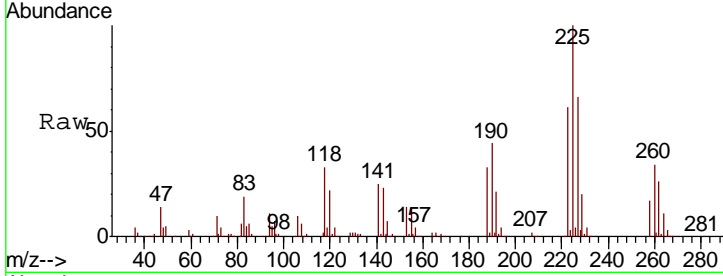


#94
 Hexachlorobutadiene
 Concen: 45.37 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument :
 MSVOA_N
 ClientSampled :
 944-MW-05(17)MSD

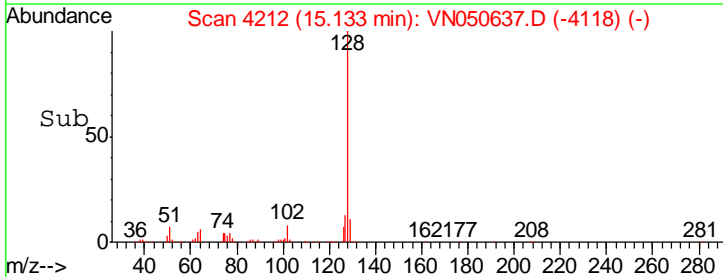
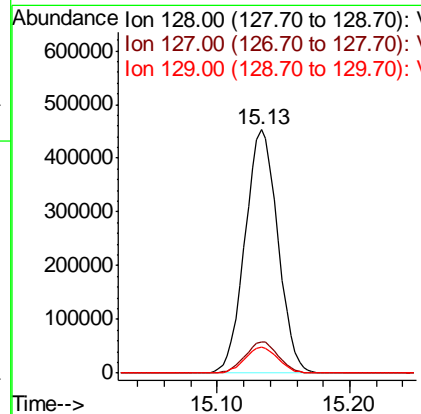
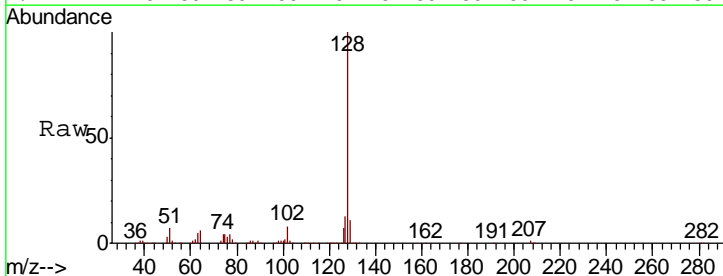
Tgt Ion	Resp	Lower	Upper
225	216619		
223	61.8	32.1	96.3
227	64.4	32.0	96.2

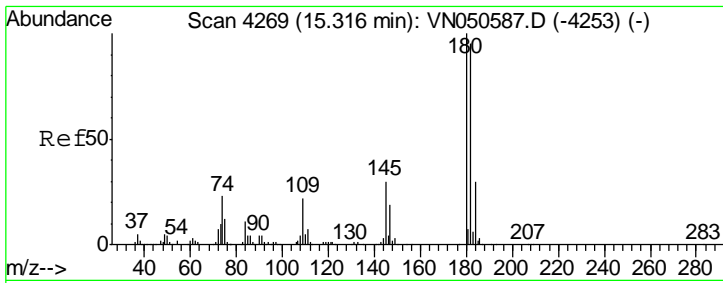
Manual Integrations
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#95
 Naphthalene
 Concen: 46.08 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

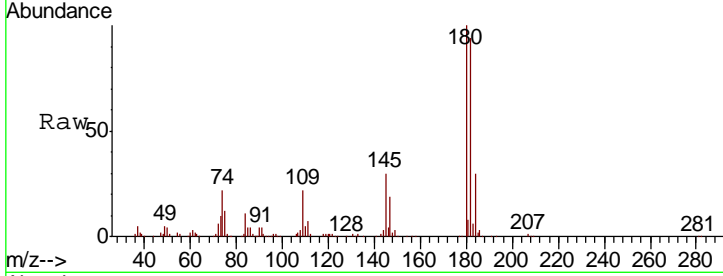
Tgt Ion	Resp	Lower	Upper
128	777979		
127	13.1	10.3	15.5
129	10.7	8.5	12.7





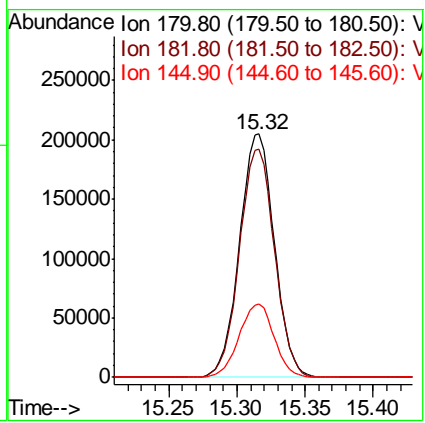
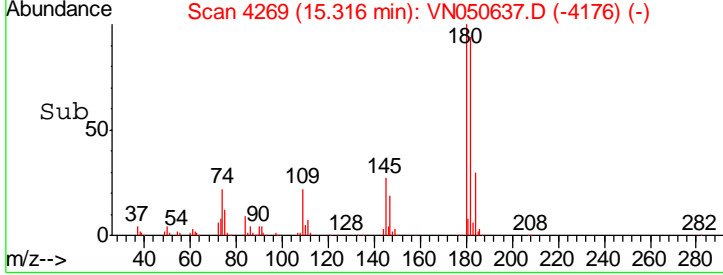
#96
 1,2,3-Trichlorobenzene
 Concen: 48.66 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050637.D
 Acq: 15 Aug 2018 6:23

Instrument : MSVOA_N
 Client Sampled : 944-MW-05(17)MSD



Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	141.8
145	30.2	14.6	44.0

Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:32:49 PM



Manual Integration Report

Sequence:	VN081418	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN050584.D	1,2,3-Trichloropropane	john	8/15/2018 9:13:51 AM	MMDadoda	8/15/2018 3:20:52 PM	Peak Integrated by Software incorrectly
VSTDICC001	VN050584.D	1,4-Dichlorobenzene	john	8/15/2018 9:13:51 AM	MMDadoda	8/15/2018 3:20:52 PM	Peak Integrated by Software incorrectly
VSTDICC001	VN050584.D	Methacrylonitrile	john	8/15/2018 9:13:51 AM	MMDadoda	8/15/2018 3:20:52 PM	Peak Integrated by Software incorrectly
VSTDICC005	VN050585.D	1,2,3-Trichloropropane	john	8/15/2018 9:13:55 AM	MMDadoda	8/15/2018 3:20:57 PM	Peak Integrated by Software incorrectly
VSTDICC020	VN050586.D	1,2,3-Trichloropropane	john	8/15/2018 9:14:00 AM	MMDadoda	8/15/2018 3:21:04 PM	Peak Integrated by Software incorrectly
VSTDICCC050	VN050587.D	1,2,3-Trichloropropane	john	8/15/2018 9:14:06 AM	MMDadoda	8/15/2018 3:21:11 PM	Peak Integrated by Software incorrectly
VSTDICC100	VN050588.D	1,2,3-Trichloropropane	john	8/15/2018 9:14:11 AM	MMDadoda	8/15/2018 3:21:42 PM	Peak Integrated by Software incorrectly
VSTDICC150	VN050589.D	1,2,3-Trichloropropane	john	8/15/2018 9:14:16 AM	MMDadoda	8/15/2018 3:21:47 PM	Peak Integrated by Software incorrectly
VSTDICV050	VN050590.D	1,2,3-Trichloropropane	john	8/15/2018 9:14:20 AM	MMDadoda	8/15/2018 3:21:52 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VN050592.D	1,2,3-Trichloropropane	Sweetuben	8/15/2018 3:22:42 PM	MMDadoda	8/15/2018 3:31:20 PM	Peak Integrated by Software incorrectly
VN0814WBS01	VN050595.D	1,2,3-Trichloropropane	Sweetuben	8/15/2018 3:22:51 PM	MMDadoda	8/15/2018 3:31:25 PM	Peak Integrated by Software incorrectly
VN0814WBS01	VN050595.D	Methacrylonitrile	Sweetuben	8/15/2018 3:22:51 PM	MMDadoda	8/15/2018 3:31:25 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VN050617.D	1,2,3-Trichloropropane	Sweetuben	8/15/2018 3:22:56 PM	MMDadoda	8/15/2018 3:32:16 PM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VN081418	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VN0814WBS02	VN050619.D	1,2,3-Trichloropropane	Sweetuben	8/15/2018 3:23:01 PM	MMDadoda	8/15/2018 3:32:20 PM	Peak Integrated by Software incorrectly
J4465-01	VN050622.D	Tetrachloroethene	Sweetuben	8/15/2018 3:23:13 PM	MMDadoda	8/15/2018 3:32:30 PM	Peak Integrated by Software incorrectly
J4465-13	VN050631.D	Tetrachloroethene	Sweetuben	8/15/2018 3:23:23 PM	MMDadoda	8/15/2018 3:32:39 PM	Peak Integrated by Software incorrectly
J4465-06MS	VN050636.D	1,2,3-Trichloropropane	Sweetuben	8/15/2018 3:23:30 PM	MMDadoda	8/15/2018 3:32:45 PM	Peak Integrated by Software incorrectly
J4465-07MSD	VN050637.D	1,2,3-Trichloropropane	Sweetuben	8/15/2018 3:23:34 PM	MMDadoda	8/15/2018 3:32:49 PM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence:	VN081518	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN050639.D	1,2,3-Trichloropropane	Sweetuben	8/16/2018 8:59:31 AM	MMDadoda	8/16/2018 1:18:21 PM	Peak Integrated by Software incorrectly
VN0815WBS01	VN050642.D	1,2,3-Trichloropropane	Sweetuben	8/16/2018 8:59:26 AM	MMDadoda	8/16/2018 1:18:28 PM	Peak Integrated by Software incorrectly
VSTDCCC020	VN050667.D	1,2,3-Trichloropropane	Sweetuben	8/16/2018 8:59:08 AM	MMDadoda	8/16/2018 1:18:43 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VN050674.D	1,2,3-Trichloropropane	Sweetuben	8/16/2018 8:58:33 AM	MMDadoda	8/16/2018 1:19:08 PM	Peak Integrated by Software incorrectly
VSTDCCC020	VN050687.D	1,2,3-Trichloropropane	Sweetuben	8/16/2018 8:58:18 AM	MMDadoda	8/16/2018 4:05:41 PM	Peak Integrated by Software incorrectly
VSTDCCC020	VN050687.D	Ethyl Acetate	Sweetuben	8/16/2018 8:58:18 AM	MMDadoda	8/16/2018 4:05:41 PM	Peak Integrated by Software incorrectly

Daily Analysis Runlog For Sequence/QC Batch ID # VN081418

Review By	Sweetuben	Review On	8/15/2018 3:23:54 PM		
Supervise By	MMDadoda	Supervise On	8/15/2018 3:33:09 PM		
SubDirectory	VN081418	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP73936,VP73999,VP74030				
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967				
CCC	VP74000,VP74031				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP73969				

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN050583.D	13 Aug 2018 22:57	MD\SY	Ok
2	VSTDICCC001	VN050584.D	13 Aug 2018 23:46	MD\SY	Ok,M
3	VSTDICCC005	VN050585.D	14 Aug 2018 00:11	MD\SY	Ok,M
4	VSTDICCC020	VN050586.D	14 Aug 2018 00:35	MD\SY	Ok,M
5	VSTDICCC050	VN050587.D	14 Aug 2018 1:00	MD\SY	Ok,M
6	VSTDICCC100	VN050588.D	14 Aug 2018 1:24	MD\SY	Ok,M
7	VSTDICCC150	VN050589.D	14 Aug 2018 1:49	MD\SY	Ok,M
8	VSTDICCV050	VN050590.D	14 Aug 2018 2:13	MD\SY	Ok,M
9	BFB	VN050591.D	14 Aug 2018 10:11	MD\SY	Ok
10	VSTDICCC050	VN050592.D	14 Aug 2018 10:45	MD\SY	Ok,M
11	VN0814WBL01	VN050593.D	14 Aug 2018 11:22	MD\SY	Ok
12	VN0814MBL01	VN050594.D	14 Aug 2018 11:53	MD\SY	Ok
13	VN0814WBS01	VN050595.D	14 Aug 2018 12:18	MD\SY	Ok,M
14	J4426-01	VN050596.D	14 Aug 2018 12:43	MD\SY	Ok
15	J4426-02	VN050597.D	14 Aug 2018 13:08	MD\SY	Ok
16	J4426-03	VN050598.D	14 Aug 2018 13:32	MD\SY	Ok
17	J4426-04	VN050599.D	14 Aug 2018 13:57	MD\SY	Ok
18	VN0814WBSD01	VN050600.D	14 Aug 2018 14:22	MD\SY	Ok,M
19	PB112007TB	VN050601.D	14 Aug 2018 14:46	MD\SY	Ok
20	PB112007ZHE#03	VN050602.D	14 Aug 2018 15:11	MD\SY	Ok
21	PB112004TB	VN050603.D	14 Aug 2018 15:36	MD\SY	Ok
22	J4459-02	VN050604.D	14 Aug 2018 16:00	MD\SY	Ok
23	J4459-01	VN050605.D	14 Aug 2018 16:25	MD\SY	Ok
24	J4427-03	VN050606.D	14 Aug 2018 16:50	MD\SY	Ok
25	J4442-50	VN050607.D	14 Aug 2018 17:14	MD\SY	Ok
26	J4442-40	VN050608.D	14 Aug 2018 17:39	MD\SY	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN081418

Review By	Sweetuben	Review On	8/15/2018 3:23:54 PM		
Supervise By	MMDadoda	Supervise On	8/15/2018 3:33:09 PM		
SubDirectory	VN081418	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP73936,VP73999,VP74030				
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967				
CCC	VP74000,VP74031				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP73969				

27	J4469-01	VN050609.D	14 Aug 2018 18:04	MD\SY	Dilution
28	J4469-02	VN050610.D	14 Aug 2018 18:29	MD\SY	Ok
29	J4469-03	VN050611.D	14 Aug 2018 18:53	MD\SY	Ok
30	J4469-04	VN050612.D	14 Aug 2018 19:18	MD\SY	Dilution
31	J4469-05	VN050613.D	14 Aug 2018 19:43	MD\SY	Ok
32	J4469-06	VN050614.D	14 Aug 2018 20:08	MD\SY	Ok
33	J4465-05	VN050615.D	14 Aug 2018 20:32	MD\SY	Ok
34	BFB	VN050616.D	14 Aug 2018 21:21	MD\SY	Ok
35	VSTDCCC050	VN050617.D	14 Aug 2018 21:46	MD\SY	Ok,M
36	VN0814WBL02	VN050618.D	14 Aug 2018 22:35	MD\SY	Ok
37	VN0814WBS02	VN050619.D	14 Aug 2018 23:00	MD\SY	Ok,M
38	VN0814WBSD02	VN050620.D	14 Aug 2018 23:25	MD\SY	Ok,M
39	J4465-17	VN050621.D	14 Aug 2018 23:49	MD\SY	Ok
40	J4465-01	VN050622.D	15 Aug 2018 00:14	MD\SY	Dilution
41	J4465-02	VN050623.D	15 Aug 2018 00:39	MD\SY	ReRun
42	J4465-03	VN050624.D	15 Aug 2018 1:03	MD\SY	Dilution
43	J4465-04	VN050625.D	15 Aug 2018 1:28	MD\SY	ReRun
44	J4465-08	VN050626.D	15 Aug 2018 1:53	MD\SY	Not Ok
45	J4465-09	VN050627.D	15 Aug 2018 2:17	MD\SY	Not Ok
46	J4465-10	VN050628.D	15 Aug 2018 2:42	MD\SY	Dilution
47	J4465-11	VN050629.D	15 Aug 2018 3:07	MD\SY	Not Ok
48	J4465-12	VN050630.D	15 Aug 2018 3:31	MD\SY	Not Ok
49	J4465-13	VN050631.D	15 Aug 2018 3:56	MD\SY	Dilution
50	J4465-14	VN050632.D	15 Aug 2018 4:21	MD\SY	ReRun
51	J4465-15	VN050633.D	15 Aug 2018 4:45	MD\SY	Dilution
52	J4465-16	VN050634.D	15 Aug 2018 5:10	MD\SY	Not Ok
53	J4474-01	VN050635.D	15 Aug 2018 5:34	MD\SY	Not Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN081418

Review By	Sweetuben	Review On	8/15/2018 3:23:54 PM		
Supervise By	MMDadoda	Supervise On	8/15/2018 3:33:09 PM		
SubDirectory	VN081418	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP73936,VP73999,VP74030				
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967				
CCC	VP74000,VP74031				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP73969				

54	J4465-06MS	VN050636.D	15 Aug 2018 5:59	MD\SY	Ok,M
55	J4465-07MSD	VN050637.D	15 Aug 2018 6:23	MD\SY	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN081518

Review By	Sweetuben	Review On	8/16/2018 8:59:48 AM		
Supervise By	MMDadoda	Supervise On	8/16/2018 1:50:47 PM		
SubDirectory	VN081518	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP74061,VP74062				
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967				
CCC	VP74063,VP74064,VP74065,VP74066				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP73969				

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB	VN050638.D	15 Aug 2018 7:55	MD\SY	Ok
2	VSTDCCC050	VN050639.D	15 Aug 2018 8:26	MD\SY	Ok,M
3	VN0815WBL01	VN050640.D	15 Aug 2018 9:03	MD\SY	Ok
4	VN0815MBL01	VN050641.D	15 Aug 2018 9:28	MD\SY	Ok
5	VN0815WBS01	VN050642.D	15 Aug 2018 9:52	MD\SY	Ok,M
6	VN0815WBSD01	VN050643.D	15 Aug 2018 10:17	MD\SY	Ok,M
7	J4469-01DL	VN050644.D	15 Aug 2018 10:42	MD\SY	Ok
8	J4469-04DL	VN050645.D	15 Aug 2018 11:06	MD\SY	Ok
9	J4465-01DL	VN050646.D	15 Aug 2018 11:31	MD\SY	Ok
10	J4465-03DL	VN050647.D	15 Aug 2018 11:56	MD\SY	Ok
11	J4465-10DL	VN050648.D	15 Aug 2018 12:20	MD\SY	Ok
12	J4465-13DL	VN050649.D	15 Aug 2018 12:45	MD\SY	Ok
13	J4465-15DL	VN050650.D	15 Aug 2018 13:09	MD\SY	Ok
14	J4474-01	VN050651.D	15 Aug 2018 13:34	MD\SY	Ok
15	J4465-02	VN050652.D	15 Aug 2018 13:59	MD\SY	Ok
16	J4465-04	VN050653.D	15 Aug 2018 14:24	MD\SY	Ok
17	J4465-08	VN050654.D	15 Aug 2018 14:48	MD\SY	Ok
18	J4465-09	VN050655.D	15 Aug 2018 15:13	MD\SY	Ok
19	J4465-11	VN050656.D	15 Aug 2018 15:38	MD\SY	Ok
20	J4465-12	VN050657.D	15 Aug 2018 16:03	MD\SY	Ok
21	J4465-14	VN050658.D	15 Aug 2018 16:28	MD\SY	Ok
22	J4465-16	VN050659.D	15 Aug 2018 16:52	MD\SY	Ok
23	PB1112055TB	VN050660.D	15 Aug 2018 17:17	MD\SY	Ok
24	PB1112055ZHE#01	VN050661.D	15 Aug 2018 17:42	MD\SY	Ok
25	PB1112055ZHE#02	VN050662.D	15 Aug 2018 18:07	MD\SY	Ok
26	PB1112055ZHE#03	VN050663.D	15 Aug 2018 18:32	MD\SY	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN081518

Review By	Sweetuben	Review On	8/16/2018 8:59:48 AM		
Supervise By	MMDadoda	Supervise On	8/16/2018 1:50:47 PM		
SubDirectory	VN081518	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP74061,VP74062				
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967				
CCC	VP74063,VP74064,VP74065,VP74066				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP73969				

27	PB1112055ZHE#04	VN050664.D	15 Aug 2018 18:56	MD\SY	Ok
28	PB1112055ZHE#05	VN050665.D	15 Aug 2018 19:21	MD\SY	Ok
29	BFB	VN050666.D	15 Aug 2018 20:11	MD\SY	Ok
30	VSTDCCC020	VN050667.D	15 Aug 2018 20:35	MD\SY	Ok,M
31	VN0815WBL02	VN050668.D	15 Aug 2018 21:25	MD\SY	Ok
32	VN0815WBS02	VN050669.D	15 Aug 2018 21:50	MD\SY	Ok,M
33	VN0815WBSD02	VN050670.D	15 Aug 2018 22:14	MD\SY	Ok,M
34	J4458-01	VN050671.D	15 Aug 2018 22:39	MD\SY	Ok
35	J4458-02	VN050672.D	15 Aug 2018 23:04	MD\SY	Ok
36	J4458-03	VN050673.D	15 Aug 2018 23:29	MD\SY	Ok,M
37	VSTDCCC050	VN050674.D	15 Aug 2018 23:53	MD\SY	Ok,M
38	VN0815WBL03	VN050675.D	16 Aug 2018 00:43	MD\SY	Ok
39	VN0815WBS03	VN050676.D	16 Aug 2018 1:07	MD\SY	Ok,M
40	VN0815WBSD03	VN050677.D	16 Aug 2018 1:32	MD\SY	Ok,M
41	PB1112055ZHE#06	VN050678.D	16 Aug 2018 1:57	MD\SY	Ok
42	PB1112055ZHE#07	VN050679.D	16 Aug 2018 2:22	MD\SY	Ok
43	J4471-04	VN050680.D	16 Aug 2018 2:46	MD\SY	Ok
44	J4471-08	VN050681.D	16 Aug 2018 3:11	MD\SY	Ok
45	J4471-12	VN050682.D	16 Aug 2018 3:36	MD\SY	Ok
46	J4471-16	VN050683.D	16 Aug 2018 4:01	MD\SY	Ok
47	J4471-20	VN050684.D	16 Aug 2018 4:26	MD\SY	Ok
48	J4471-24	VN050685.D	16 Aug 2018 4:50	MD\SY	Ok
49	J4471-27	VN050686.D	16 Aug 2018 5:15	MD\SY	Ok
50	VSTDCCC020	VN050687.D	16 Aug 2018 5:40	MD\SY	Ok,M

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN081418

Review By	Sweetuben	Review On	8/15/2018 3:23:54 PM		
Supervise By	MMDadoda	Supervise On	8/15/2018 3:33:09 PM		
SubDirectory	VN081418	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m

STD. NAME	STD REF.#
Tune/Reschk	VP73936,VP73999,VP74030
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967
CCC	VP74000,VP74031
Internal Standard/PEM	VP69523
ICV/IL.BLK	VP73969

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN050583.D	13 Aug 2018 22:57		MD\SY	Ok
2	VSTDIC001	VSTDIC001	VN050584.D	13 Aug 2018 23:46	Method pass for DOD	MD\SY	Ok,M
3	VSTDIC005	VSTDIC005	VN050585.D	14 Aug 2018 00:11	Comp # 3,5,6,10,13,16,18,20,31,56,58,7 0,75,76,93,95,96 kept on L.R.	MD\SY	Ok,M
4	VSTDIC020	VSTDIC020	VN050586.D	14 Aug 2018 00:35		MD\SY	Ok,M
5	VSTDIC050	VSTDIC050	VN050587.D	14 Aug 2018 1:00	pH#LOT#V7385	MD\SY	Ok,M
6	VSTDIC100	VSTDIC100	VN050588.D	14 Aug 2018 1:24		MD\SY	Ok,M
7	VSTDIC150	VSTDIC150	VN050589.D	14 Aug 2018 1:49		MD\SY	Ok,M
8	VSTDICV050	ICVVN081418	VN050590.D	14 Aug 2018 2:13		MD\SY	Ok,M
9	BFB	BFB	VN050591.D	14 Aug 2018 10:11		MD\SY	Ok
10	VSTDIC050	VSTDIC050	VN050592.D	14 Aug 2018 10:45		MD\SY	Ok,M
11	VN0814WBL01	VN0814WBL01	VN050593.D	14 Aug 2018 11:22		MD\SY	Ok
12	VN0814MBL01	VN0814MBL01	VN050594.D	14 Aug 2018 11:53		MD\SY	Ok
13	VN0814WBS01	VN0814WBS01	VN050595.D	14 Aug 2018 12:18		MD\SY	Ok,M
14	J4426-01	STORAGEBLANK-SOIL	VN050596.D	14 Aug 2018 12:43	Vial A pH<2	MD\SY	Ok
15	J4426-02	STORAGEBLANK-SOIL	VN050597.D	14 Aug 2018 13:08	Vial A pH<2	MD\SY	Ok
16	J4426-03	STORAGEBLANK-WATER	VN050598.D	14 Aug 2018 13:32	Vial A pH<2	MD\SY	Ok
17	J4426-04	STORAGEBLANK-SAMPLE	VN050599.D	14 Aug 2018 13:57	Vial A pH<2	MD\SY	Ok
18	VN0814WBSD01	VN0814WBSD01	VN050600.D	14 Aug 2018 14:22		MD\SY	Ok,M
19	PB112007TB	PB112007TB	VN050601.D	14 Aug 2018 14:46		MD\SY	Ok
20	PB112007ZHE#03	PB112007ZHE#03	VN050602.D	14 Aug 2018 15:11		MD\SY	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN081418

Review By	Sweetuben	Review On	8/15/2018 3:23:54 PM				
Supervise By	MMDadoda	Supervise On	8/15/2018 3:33:09 PM				
SubDirectory	VN081418	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m		
STD. NAME	STD REF.#						
Tune/Reschk	VP73936,VP73999,VP74030						
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967						
CCC	VP74000,VP74031						
Internal Standard/PEM	VP69523						
ICV/I.BLK	VP73969						
21	PB112004TB	PB112004TB	VN050603.D	14 Aug 2018 15:36		MD\SY	Ok
22	J4459-02	FRAC-TANK-SV30518	VN050604.D	14 Aug 2018 16:00	Vial A	MD\SY	Ok
23	J4459-01	FRAC-TANK-SV30518	VN050605.D	14 Aug 2018 16:25	Vial A pH<2	MD\SY	Ok
24	J4427-03	RB47197	VN050606.D	14 Aug 2018 16:50	Vial A	MD\SY	Ok
25	J4442-50	SP-1-5	VN050607.D	14 Aug 2018 17:14	Vial A	MD\SY	Ok
26	J4442-40	SP-1-4	VN050608.D	14 Aug 2018 17:39	Vial A	MD\SY	Ok
27	J4469-01	956-IW-13(19)	VN050609.D	14 Aug 2018 18:04	Vial A pH<2 ,need 20x	MD\SY	Dilution
28	J4469-02	957-IW-14(17)	VN050610.D	14 Aug 2018 18:29	Vial A pH<2	MD\SY	Ok
29	J4469-03	958-IW-15(19)	VN050611.D	14 Aug 2018 18:53	Vial A pH<2	MD\SY	Ok
30	J4469-04	959-IW-16(19)	VN050612.D	14 Aug 2018 19:18	Vial A pH<2 ,need 10x	MD\SY	Dilution
31	J4469-05	960-IW-21(17)	VN050613.D	14 Aug 2018 19:43	Vial A pH<2	MD\SY	Ok
32	J4469-06	961-IW-22(17)	VN050614.D	14 Aug 2018 20:08	Vial A pH<2	MD\SY	Ok
33	J4465-05	944-MW-05(17)	VN050615.D	14 Aug 2018 20:32	Vial A pH<2	MD\SY	Ok
34	BFB	BFB	VN050616.D	14 Aug 2018 21:21		MD\SY	Ok
35	VSTDCCC050	VSTDCCC050	VN050617.D	14 Aug 2018 21:46		MD\SY	Ok,M
36	VN0814WBL02	VN0814WBL02	VN050618.D	14 Aug 2018 22:35		MD\SY	Ok
37	VN0814WBS02	VN0814WBS02	VN050619.D	14 Aug 2018 23:00		MD\SY	Ok,M
38	VN0814WBSD02	VN0814WBSD02	VN050620.D	14 Aug 2018 23:25		MD\SY	Ok,M
39	J4465-17	954-FB081318	VN050621.D	14 Aug 2018 23:49	Vial A pH<2	MD\SY	Ok
40	J4465-01	940-MW-01(23)	VN050622.D	15 Aug 2018 00:14	Vial A pH<2 ,need 100x	MD\SY	Dilution
41	J4465-02	941-MW-02(23.8)	VN050623.D	15 Aug 2018 00:39	Vial A pH<2 ,E flag in preious analysis	MD\SY	ReRun
42	J4465-03	942-MW-03A(17)	VN050624.D	15 Aug 2018 1:03	Vial A pH<2 ,need 10x	MD\SY	Dilution

Daily Analysis Runlog For Sequence/QC Batch ID # VN081418

Review By	Sweetuben	Review On	8/15/2018 3:23:54 PM				
Supervise By	MMDadoda	Supervise On	8/15/2018 3:33:09 PM				
SubDirectory	VN081418	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m		
STD. NAME	STD REF.#						
Tune/Reschk	VP73936,VP73999,VP74030						
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967						
CCC	VP74000,VP74031						
Internal Standard/PEM	VP69523						
ICV/I.BLK	VP73969						
43	J4465-04	943-MW-04(23)	VN050625.D	15 Aug 2018 1:28	Vial A pH<2 ,E flag in preious analysis	MD\SY	ReRun
44	J4465-08	945-MW-06(17)	VN050626.D	15 Aug 2018 1:53	Vial A pH<2 ,confirm hit	MD\SY	Not Ok
45	J4465-09	946-MW-07(22.5)	VN050627.D	15 Aug 2018 2:17	Vial A pH<2 confirm hit	MD\SY	Not Ok
46	J4465-10	947-MW-11(15)	VN050628.D	15 Aug 2018 2:42	Vial A pH<2 ,need 5x	MD\SY	Dilution
47	J4465-11	948-MW-15(17)	VN050629.D	15 Aug 2018 3:07	Vial A pH<2 ,confirm hit	MD\SY	Not Ok
48	J4465-12	949-MW-16(22.5)	VN050630.D	15 Aug 2018 3:31	Vial A pH<2 ,confirm hit	MD\SY	Not Ok
49	J4465-13	950-MW-17(15.5)	VN050631.D	15 Aug 2018 3:56	Vial A pH<2 ,need 100x	MD\SY	Dilution
50	J4465-14	951-MW-18(21.5)	VN050632.D	15 Aug 2018 4:21	Vial A pH<2 ,E flag in preious analysis	MD\SY	ReRun
51	J4465-15	952-MW-19(28)	VN050633.D	15 Aug 2018 4:45	Vial A pH<2 ,need 4x	MD\SY	Dilution
52	J4465-16	953-MW-20(22)	VN050634.D	15 Aug 2018 5:10	Vial A pH<2 ,confirm hit	MD\SY	Not Ok
53	J4474-01	FRAC-TANK-SV28570	VN050635.D	15 Aug 2018 5:34	Vial A pH<2 ,confirm hit	MD\SY	Not Ok
54	J4465-06MS	944-MW-05(17)MS	VN050636.D	15 Aug 2018 5:59	Vial A pH<2	MD\SY	Ok,M
55	J4465-07MSD	944-MW-05(17)MSD	VN050637.D	15 Aug 2018 6:23	Vial A pH<2	MD\SY	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN081518

Review By	Sweetuben	Review On	8/16/2018 8:59:48 AM		
Supervise By	MMDadoda	Supervise On	8/16/2018 1:50:47 PM		
SubDirectory	VN081518	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m

STD. NAME	STD REF.#
Tune/Reschk	VP74061,VP74062
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967
CCC	VP74063,VP74064,VP74065,VP74066
Internal Standard/PEM	VP69523
ICV/ILBLK	VP73969

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN050638.D	15 Aug 2018 7:55		MD\SY	Ok
2	VSTDCCC050	VSTDCCC050	VN050639.D	15 Aug 2018 8:26		MD\SY	Ok,M
3	VN0815WBL01	VN0815WBL01	VN050640.D	15 Aug 2018 9:03		MD\SY	Ok
4	VN0815MBL01	VN0815MBL01	VN050641.D	15 Aug 2018 9:28	pH#LOT#V7385	MD\SY	Ok
5	VN0815WBS01	VN0815WBS01	VN050642.D	15 Aug 2018 9:52		MD\SY	Ok,M
6	VN0815WBSD01	VN0815WBSD01	VN050643.D	15 Aug 2018 10:17		MD\SY	Ok,M
7	J4469-01DL	956-IW-13(19)DL	VN050644.D	15 Aug 2018 10:42		MD\SY	Ok
8	J4469-04DL	959-IW-16(19)DL	VN050645.D	15 Aug 2018 11:06		MD\SY	Ok
9	J4465-01DL	940-MW-01(23)DL	VN050646.D	15 Aug 2018 11:31		MD\SY	Ok
10	J4465-03DL	942-MW-03A(17)DL	VN050647.D	15 Aug 2018 11:56		MD\SY	Ok
11	J4465-10DL	947-MW-11(15)DL	VN050648.D	15 Aug 2018 12:20		MD\SY	Ok
12	J4465-13DL	950-MW-17(15.5)DL	VN050649.D	15 Aug 2018 12:45		MD\SY	Ok
13	J4465-15DL	952-MW-19(28)DL	VN050650.D	15 Aug 2018 13:09		MD\SY	Ok
14	J4474-01	FRAC-TANK-SV28570	VN050651.D	15 Aug 2018 13:34	Vial B pH<2	MD\SY	Ok
15	J4465-02	941-MW-02(23.8)	VN050652.D	15 Aug 2018 13:59	Vial B pH<2	MD\SY	Ok
16	J4465-04	943-MW-04(23)	VN050653.D	15 Aug 2018 14:24	Vial B pH<2	MD\SY	Ok
17	J4465-08	945-MW-06(17)	VN050654.D	15 Aug 2018 14:48	Vial B pH<2	MD\SY	Ok
18	J4465-09	946-MW-07(22.5)	VN050655.D	15 Aug 2018 15:13	Vial B pH<2	MD\SY	Ok
19	J4465-11	948-MW-15(17)	VN050656.D	15 Aug 2018 15:38	Vial B pH<2	MD\SY	Ok
20	J4465-12	949-MW-16(22.5)	VN050657.D	15 Aug 2018 16:03	Vial B pH<2	MD\SY	Ok
21	J4465-14	951-MW-18(21.5)	VN050658.D	15 Aug 2018 16:28	Vial B pH<2	MD\SY	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN081518

Review By	Sweetuben	Review On	8/16/2018 8:59:48 AM				
Supervise By	MMDadoda	Supervise On	8/16/2018 1:50:47 PM				
SubDirectory	VN081518	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m		
STD. NAME	STD REF.#						
Tune/Reschk	VP74061,VP74062						
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967						
CCC	VP74063,VP74064,VP74065,VP74066						
Internal Standard/PEM	VP69523						
ICV/I.BLK	VP73969						
22	J4465-16	953-MW-20(22)	VN050659.D	15 Aug 2018 16:52	Vial B pH<2	MD\SY	Ok
23	PB1112055TB	PB1112055TB	VN050660.D	15 Aug 2018 17:17	HIT of comp# 16,43	MD\SY	Ok
24	PB1112055ZHE#01	PB1112055ZHE#01	VN050661.D	15 Aug 2018 17:42	HIT of comp# 16,43	MD\SY	Ok
25	PB1112055ZHE#02	PB1112055ZHE#02	VN050662.D	15 Aug 2018 18:07	HIT of comp# 16,18,43	MD\SY	Ok
26	PB1112055ZHE#03	PB1112055ZHE#03	VN050663.D	15 Aug 2018 18:32	HIT of comp# 16,18,43	MD\SY	Ok,M
27	PB1112055ZHE#04	PB1112055ZHE#04	VN050664.D	15 Aug 2018 18:56	HIT of comp# 16,18,25,43	MD\SY	Ok
28	PB1112055ZHE#05	PB1112055ZHE#05	VN050665.D	15 Aug 2018 19:21	HIT of comp# 16,18,43	MD\SY	Ok
29	BFB	BFB	VN050666.D	15 Aug 2018 20:11		MD\SY	Ok
30	VSTDCCC020	VSTDCCC020	VN050667.D	15 Aug 2018 20:35		MD\SY	Ok,M
31	VN0815WBL02	VN0815WBL02	VN050668.D	15 Aug 2018 21:25		MD\SY	Ok
32	VN0815WBS02	VN0815WBS02	VN050669.D	15 Aug 2018 21:50		MD\SY	Ok,M
33	VN0815WBSD02	VN0815WBSD02	VN050670.D	15 Aug 2018 22:14		MD\SY	Ok,M
34	J4458-01	MH-92A	VN050671.D	15 Aug 2018 22:39	Vial A pH<2	MD\SY	Ok
35	J4458-02	MH-93	VN050672.D	15 Aug 2018 23:04	Vial A pH<2	MD\SY	Ok
36	J4458-03	MH-94	VN050673.D	15 Aug 2018 23:29	Vial A pH<2	MD\SY	Ok,M
37	VSTDCCC050	VSTDCCC050	VN050674.D	15 Aug 2018 23:53		MD\SY	Ok,M
38	VN0815WBL03	VN0815WBL03	VN050675.D	16 Aug 2018 00:43		MD\SY	Ok
39	VN0815WBS03	VN0815WBS03	VN050676.D	16 Aug 2018 1:07		MD\SY	Ok,M
40	VN0815WBSD03	VN0815WBSD03	VN050677.D	16 Aug 2018 1:32		MD\SY	Ok,M
41	PB1112055ZHE#06	PB1112055ZHE#06	VN050678.D	16 Aug 2018 1:57	HIT of comp# 16,18,43,70,95	MD\SY	Ok
42	PB1112055ZHE#07	PB1112055ZHE#07	VN050679.D	16 Aug 2018 2:22	HIT of comp# 16,18,43	MD\SY	Ok
43	J4471-04	TP-1	VN050680.D	16 Aug 2018 2:46	Vial A	MD\SY	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN081518

Review By	Sweetuben	Review On	8/16/2018 8:59:48 AM		
Supervise By	MMDadoda	Supervise On	8/16/2018 1:50:47 PM		
SubDirectory	VN081518	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m

STD. NAME	STD REF.#
Tune/Reschk	VP74061,VP74062
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967
CCC	VP74063,VP74064,VP74065,VP74066
Internal Standard/PEM	VP69523
ICV/I.BLK	VP73969

44	J4471-08	TP-2	VN050681.D	16 Aug 2018 3:11	Vial A	MD\SY	Ok
45	J4471-12	TP-3	VN050682.D	16 Aug 2018 3:36	Vial A	MD\SY	Ok
46	J4471-16	TP-4	VN050683.D	16 Aug 2018 4:01	Vial A	MD\SY	Ok
47	J4471-20	TP-5	VN050684.D	16 Aug 2018 4:26	Vial A	MD\SY	Ok
48	J4471-24	TP-6	VN050685.D	16 Aug 2018 4:50	Vial A	MD\SY	Ok
49	J4471-27	BED-ROCK	VN050686.D	16 Aug 2018 5:15	Vial A	MD\SY	Ok
50	VSTDCCC020	VSTDCCC020EC	VN050687.D	16 Aug 2018 5:40		MD\SY	Ok,M

Prep Standard - Chemical Standard Summary

Order ID : J4465
Test : VOC-TCLVOA-10
Prepbatch ID :
Sequence ID/Qc Batch ID: VN081418,VN081518,

Standard ID :

VP69002,VP69004,VP69007,VP69008,VP69523,VP69587,VP71527,VP71529,VP71530,VP71532,VP72814,VP72949,VP73258,VP73291,VP73320,VP73440,VP73442,VP73444,VP73445,VP73753,VP73755,VP73757,VP73758,VP73936,VP73957,VP73959,VP73961,VP73963,VP73965,VP73967,VP73969,VP73999,VP74000,VP74030,VP74031,VP74061,VP74062,VP74063,VP74064,VP74065,VP74066,

Chemical ID :

V1456,V6644,V6645,V6646,V7168,V7174,V7175,V7176,V7372,V7388,V7393,V7829,V7850,V8115,V8117,V8156,V8158,V8160,V8161,V8238,V8273,V8298,V8300,V8303,V8332,V8337,V8339,V8340,V8350,V8353,V8356,V8360,V8378,V8380,V8400,V8401,V8413,V8474,V8475,V8581,V8592,V8608,V8609,V8610,V8671,V8684,V8690,V8715,V8716,V8717,V8718,V8719,V8720,V8750,

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP69002	03/13/2018	09/13/2018	sam
FROM 1.000ml of V7176 + 1.500ml of V7174 + 1.500ml of V7175 + 46.000ml of V8378 = Final Quantity: 50.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1812	8260 Working Std(2-CVE)-100ppm	VP69004	03/13/2018	09/13/2018	sam
FROM 17.500ml of V8378 + 2.500ml of VP69002 = Final Quantity: 20.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP69007	03/08/2018	09/08/2018	sam
FROM 0.800ml of V8273 + 9.200ml of V8238 = Final Quantity: 10.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1819	8260 Working Std(2-CVE)-SS, 500ppm	VP69008	03/08/2018	09/08/2018	sam
FROM 1.875ml of V8238 + 3.125ml of VP69007 = Final Quantity: 5.000 ml					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
247	8260 Internal Standard, 250PPM	VP69523	04/03/2018	10/03/2018	sam
<p>FROM 0.250ml of V7372 + 24.750ml of V8380 = Final Quantity: 25.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1738	8260 surrogate 20 ppm	VP69587	04/04/2018	10/04/2018	sam
<p>FROM 0.020ml of V6644 + 24.990ml of V8360 = Final Quantity: 25.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
719	8260 Working STD (BCM)-First source, 400PPM	VP71527	05/30/2018	11/18/2018	sam
<p>FROM 0.500ml of V8161 + 1.500ml of V8156 + 1.500ml of V8158 + 1.500ml of V8160 + 20.000ml of V8581 = Final Quantity: 25.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
252	8260 Working STD (BCM)-First source, 100PPM	VP71529	05/30/2018	11/18/2018	sam
<p>FROM 1.250ml of V8161 + 23.750ml of V8581 = Final Quantity: 25.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
253	8260 Working STD (BCM)-First source, 20PPM	VP71530	05/30/2018	11/18/2018	sam
FROM 0.250ml of V8160 + 24.750ml of V8581 = Final Quantity: 25.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
247	8260 Internal Standard, 250PPM	VP71532	05/30/2018	10/23/2018	sam
FROM 0.500ml of V7372 + 49.500ml of V8581 = Final Quantity: 50.000 ml					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
218	BFB, 25PPM	VP72814	07/12/2018	01/12/2019	sam
FROM 0.500ml of V7850 + 49.500ml of V8684 = Final Quantity: 50.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
617	8260 Surrogate, 400PPM	VP72949	07/16/2018	01/16/2019	sam
FROM 0.800ml of V6646 + 49.200ml of V8684 = Final Quantity: 50.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
262	8260 Working STD (BCM)-Second source, 100PPM	VP73258	07/24/2018	01/24/2019	sam
FROM 1.000ml of V7168 + 9.000ml of V8684 = Final Quantity: 10.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
249	8260 Surrogate, 100PPM	VP73291	07/25/2018	01/25/2019	sam
FROM 0.400ml of V6645 + 99.600ml of V8690 = Final Quantity: 100.000 ml					

STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
466	624 Internal Standard and Surrogate Mix, 150PPM	VP73320	07/25/2018	01/25/2019	sam
<p>FROM 0.300ml of V7388 + 0.300ml of V7393 + 49.400ml of V8690 = Final Quantity: 50.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP73440	07/28/2018	08/26/2018	sam
<p>FROM 0.400ml of V8715 + 1.200ml of V8716 + 1.200ml of V8717 + 1.200ml of V8718 + 21.000ml of V8690 = Final Quantity: 25.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
180	8260 Working STD (Acrolein)-First source, 100PPM	VP73442	07/28/2018	08/26/2018	sam
<p>FROM 17.500ml of V8690 + 2.500ml of VP73440 = Final Quantity: 20.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
263	8260 Working STD (Acrolein)-Second source, 800PPM	VP73444	07/28/2018	08/25/2018	sam
<p>FROM 0.400ml of V8720 + 1.200ml of V8719 + 8.400ml of V8690 = Final Quantity: 10.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
264	8260 Working STD (Acrolein)-Second source, 500PPM	VP73445	07/28/2018	08/25/2018	sam
<p>FROM 1.875ml of V8690 + 3.125ml of VP73444 = Final Quantity: 5.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP73753	08/07/2018	08/31/2018	sam
<p>FROM 0.400ml of V8332 + 0.800ml of V8300 + 0.800ml of V8401 + 0.800ml of V8475 + 1.000ml of V8339 + 1.000ml of V8340 + 1.000ml of V8350 + 1.000ml of V8353 + 1.000ml of V8592 + 1.000ml of V8608 + 1.000ml of V8609 + 1.000ml of V8610 + 1.200ml of V8298 + 1.200ml of V8400 + 1.200ml of V8474 + 10.600ml of V8750 = Final Quantity: 25.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
245	8260 Calibration Working STD Mix-First source, 20PPM	VP73755	08/07/2018	08/31/2018	sam
<p>FROM 17.500ml of V8750 + 2.500ml of VP73753 = Final Quantity: 20.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP73757	08/07/2018	08/31/2018	sam
<p>FROM 0.160ml of V8337 + 0.400ml of V8117 + 0.800ml of V7829 + 0.800ml of V8303 + 0.800ml of V8356 + 0.800ml of V8413 + 0.800ml of V8671 + 1.200ml of V8115 + 4.240ml of V8750 = Final Quantity: 10.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
260	8260 Calibration Working STD Mix-Second source, 100PPM	VP73758	08/07/2018	08/31/2018	sam
<p>FROM 1.875ml of V8750 + 3.125ml of VP73757 = Final Quantity: 5.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
589	BFB TUNE CHECK	VP73936	08/13/2018	08/14/2018	Sweetuben
<p>FROM 39.984ml of V1456 + 0.016ml of VP72814 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
334	1 PPB ICC, 8260-Water	VP73957	08/13/2018	08/14/2018	Sweetuben
<p>FROM 39.982ml of V1456 + 0.002ml of VP69004 + 0.002ml of VP69587 + 0.002ml of VP71530 + 0.002ml of VP73442 + 0.002ml of VP73755 + 0.008ml of VP71532 = Final Quantity: 40.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
335	5 PPB ICC, 8260-Water	VP73959	08/13/2018	08/14/2018	Sweetuben
<p>FROM 39.942ml of V1456 + 0.008ml of VP71532 + 0.010ml of VP69004 + 0.010ml of VP69587 + 0.010ml of VP71530 + 0.010ml of VP73442 + 0.010ml of VP73755 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
337	20 PPB ICC, 8260-Water	VP73961	08/13/2018	08/14/2018	Sweetuben
FROM 39.961ml of V1456 + 0.005ml of VP69002 + 0.005ml of VP73440 + 0.005ml of VP73753 + 0.008ml of VP71529 + 0.008ml of VP71532 + 0.008ml of VP73291 = Final Quantity: 40.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
380	50 PPB ICC, 8260-Water	VP73963	08/13/2018	08/14/2018	Sweetuben
FROM 39.945ml of V1456 + 0.005ml of VP71527 + 0.005ml of VP72949 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP73440 + 0.013ml of VP73753 = Final Quantity: 40.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
381	100 PPB ICC, 8260-Water	VP73965	08/13/2018	08/14/2018	Sweetuben
FROM 39.897ml of V1456 + 0.008ml of VP71532 + 0.010ml of VP71527 + 0.010ml of VP72949 + 0.025ml of VP69002 + 0.025ml of VP73440 + 0.025ml of VP73753 = Final Quantity: 40.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
382	150 PPB ICC, 8260-Water	VP73967	08/13/2018	08/14/2018	Sweetuben
FROM 39.850ml of V1456 + 0.008ml of VP71532 + 0.015ml of VP71527 + 0.015ml of VP72949 + 0.038ml of VP69002 + 0.038ml of VP73440 + 0.038ml of VP73753 = Final Quantity: 40.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
385	50 PPB ICV, 8260-Water	VP73969	08/13/2018	08/14/2018	Sweetuben
<p>FROM 39.930ml of V1456 + 0.005ml of VP72949 + 0.008ml of VP71532 + 0.013ml of VP69007 + 0.013ml of VP73444 + 0.013ml of VP73757 + 0.020ml of VP73258 = Final Quantity: 40.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
589	BFB TUNE CHECK	VP73999	08/14/2018	08/15/2018	john
<p>FROM 39.984ml of V1456 + 0.016ml of VP72814 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
620	50 PPB CCC, 8260-Water	VP74000	08/14/2018	08/15/2018	john
<p>FROM 39.945ml of V1456 + 0.005ml of VP71527 + 0.005ml of VP72949 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP73440 + 0.013ml of VP73753 = Final Quantity: 40.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
589	BFB TUNE CHECK	VP74030	08/14/2018	08/15/2018	Sweetuben
<p>FROM 39.984ml of V1456 + 0.016ml of VP72814 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
620	50 PPB CCC, 8260-Water	VP74031	08/14/2018	08/15/2018	Sweetuben
<p>FROM 39.945ml of V1456 + 0.005ml of VP71527 + 0.005ml of VP72949 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP73440 + 0.013ml of VP73753 = Final Quantity: 40.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
589	BFB TUNE CHECK	VP74061	08/15/2018	08/16/2018	Sweetuben
<p>FROM 39.984ml of V1456 + 0.016ml of VP72814 = Final Quantity: 40.000 ml</p>					



STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
589	BFB TUNE CHECK	VP74062	08/15/2018	08/16/2018	Sweetuben
<p>FROM 39.984ml of V1456 + 0.016ml of VP72814 = Final Quantity: 40.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
620	50 PPB CCC, 8260-Water	VP74063	08/15/2018	08/16/2018	Sweetuben
<p>FROM 39.945ml of V1456 + 0.005ml of VP71527 + 0.005ml of VP72949 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP73440 + 0.013ml of VP73753 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
620	50 PPB CCC, 8260-Water	VP74064	08/15/2018	08/16/2018	Sweetuben
FROM 39.945ml of V1456 + 0.005ml of VP71527 + 0.005ml of VP72949 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP73440 + 0.013ml of VP73753 = Final Quantity: 40.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
645	20 PPB CCC, 624	VP74065	08/15/2018	08/16/2018	Sweetuben
FROM 39.968ml of V1456 + 0.008ml of VP69008 + 0.008ml of VP73320 + 0.008ml of VP73445 + 0.008ml of VP73758 = Final Quantity: 40.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
645	20 PPB CCC, 624	VP74066	08/15/2018	08/16/2018	Sweetuben
<u>FROM</u>	39.968ml of V1456 + 0.008ml of VP69008 + 0.008ml of VP73320 + 0.008ml of VP73445 + 0.008ml of VP73758 = Final Quantity: 40.000 ml				

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Res-Kem General water	DIW / DI Water	DAILY	12/31/2019	03/01/2010 / apatel	03/02/2010 / apatel	V1456

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0118140	03/31/2019	01/10/2018 / sam	03/21/2016 / sam	V6644

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0118140	03/31/2019	07/25/2018 / sam	03/21/2016 / sam	V6645

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0118140	03/31/2019	04/11/2018 / sam	03/21/2016 / sam	V6646

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	101416	10/14/2021	07/24/2018 / sam	11/16/2016 / Sam	V7168

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	03/13/2018 / sam	11/16/2016 / Sam	V7174

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	03/13/2018 / sam	11/16/2016 / Sam	V7175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	03/13/2018 / sam	11/16/2016 / Sam	V7176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0123929	01/31/2020	04/03/2018 / sam	01/06/2017 / Sam	V7372

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555583 / Custom Standard, CLP VOA Internal Std [CS 5179-3]	A0124467	01/31/2020	07/25/2018 / sam	01/30/2017 / Sam	V7388

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555584 / Custom Standard, CLP VOA SurrogateStd [CS 5179-4]	A0124469	01/31/2020	07/25/2018 / sam	01/30/2017 / Sam	V7393

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	041116	11/18/2018	08/07/2018 / sam	07/18/2017 / sam	V7829

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuning solution	A0127174	07/12/2019	07/12/2018 / sam	08/10/2017 / sam	V7850

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0125322	05/31/2020	08/07/2018 / sam	11/03/2017 / sam	V8115

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0125322	05/31/2020	08/07/2018 / sam	11/03/2017 / sam	V8117

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	05/30/2018 / sam	11/17/2012 / sam	V8156

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	05/30/2018 / sam	11/17/2012 / sam	V8158

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	05/30/2018 / sam	11/17/2012 / sam	V8160

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	05/30/2018 / sam	11/17/2012 / sam	V8161

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	03/01/2018 / sam	01/03/2018 / sam	V8238

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	012218	01/22/2021	03/08/2018 / sam	01/23/2018 / sam	V8273

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0133860	11/18/2018	08/07/2018 / sam	01/26/2018 / sam	V8298

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0133860	11/18/2018	08/07/2018 / sam	01/26/2018 / sam	V8300

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0131442	11/18/2018	05/18/2018 / sam	01/26/2018 / sam	V8303

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0133055	12/31/2020	08/07/2018 / sam	02/27/2018 / sam	V8332

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0126338	12/31/2020	08/07/2018 / sam	02/27/2018 / sam	V8337

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0134860	08/31/2018	08/07/2018 / sam	02/27/2018 / sam	V8339

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0134860	08/31/2018	08/07/2018 / sam	02/27/2018 / sam	V8340

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0135430	08/31/2018	08/07/2018 / sam	02/27/2018 / sam	V8350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0135430	08/31/2018	08/07/2018 / sam	02/27/2018 / sam	V8353

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0135482	08/31/2018	08/07/2018 / sam	02/27/2018 / sam	V8356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	04/04/2018 / sam	02/28/2018 / sam	V8360

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	03/13/2018 / sam	02/28/2018 / sam	V8378

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	04/03/2018 / sam	02/28/2018 / sam	V8380

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	030918	11/18/2018	08/07/2018 / sam	03/13/2018 / sam	V8400

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	030918	11/18/2018	08/07/2018 / sam	03/13/2018 / sam	V8401

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	030818	11/18/2018	08/07/2018 / sam	03/13/2018 / sam	V8413

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	111516	11/18/2018	08/07/2018 / sam	04/10/2018 / sam	V8474

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	111516	11/18/2018	08/07/2018 / sam	04/10/2018 / sam	V8475

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	178208	11/18/2018	05/24/2018 / sam	05/16/2018 / sam	V8581

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0134324	04/30/2021	08/07/2018 / sam	05/24/2018 / sam	V8592

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0134324	04/30/2021	08/07/2018 / sam	05/24/2018 / sam	V8608

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0134324	04/30/2021	08/07/2018 / sam	05/24/2018 / sam	V8609

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0134324	04/30/2021	08/07/2018 / sam	05/24/2018 / sam	V8610

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0137584	10/31/2018	08/07/2018 / sam	06/20/2018 / sam	V8671

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000178208	06/21/2019	07/11/2018 / sam	06/26/2018 / sam	V8684

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000178208	01/25/2019	07/25/2018 / sam	06/26/2018 / sam	V8690

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	072618	08/26/2018	07/28/2018 / sam	07/27/2018 / sam	V8715

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	072618	08/26/2018	07/28/2018 / sam	07/27/2018 / sam	V8716

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	072618	08/26/2018	07/28/2018 / sam	07/27/2018 / sam	V8717

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	072618	08/26/2018	07/28/2018 / sam	07/27/2018 / sam	V8718

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	072518	08/25/2018	07/28/2018 / sam	07/27/2018 / sam	V8719

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	072518	08/25/2018	07/28/2018 / sam	07/27/2018 / sam	V8720

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000178208	06/21/2019	08/07/2018 / sam	07/31/2018 / sam	V8750



CERTIFIED WEIGHT REPORT

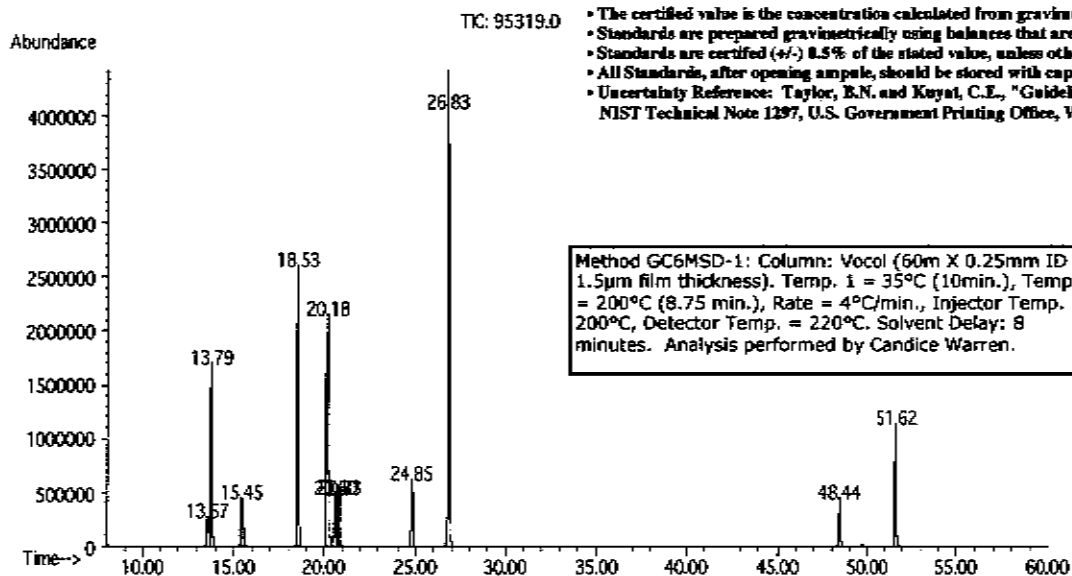
Part Number: 95319
Lot Number: 030818
Description: Revised Additions Mix
11 components
Expiration Date: 030821
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 2506734D

Solvent(s): Methanol
Lot# DS435

Paul Barron 030818
Formulated By: Paul Barron **DATE**
Pedro L. Ruelas 030818
Reviewed By: Pedro L. Ruelas **DATE**

Weight(s) shown below were combined and diluted to (mL): 100.0
0.001 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	SDS Information (Solvent Safety info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01065	10004.3	40.4	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20127	2002.4	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	13096TK	2000	99.5	0.2	0.20103	0.20117	2001.4	8.1	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20222	2001.8	8.1	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04116	40003.1	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20230	2002.6	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	50996APV	2000	99	0.2	0.20204	0.20223	2001.9	8.1	108-87-2	N/A	ori-mus 2250mg/kg
8. Methyl tert-butyl ether (MTBE)	209	AU 01134TR	2000	99.8	0.2	0.20042	0.20076	2003.4	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02088	20004.5	80.8	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00145	10003.4	40.1	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21521	2001.2	8.7	488-23-3	N/A	ori-rat 6408mg/kg



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
• Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
• Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
• All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
• Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62



CERTIFIED WEIGHT REPORT

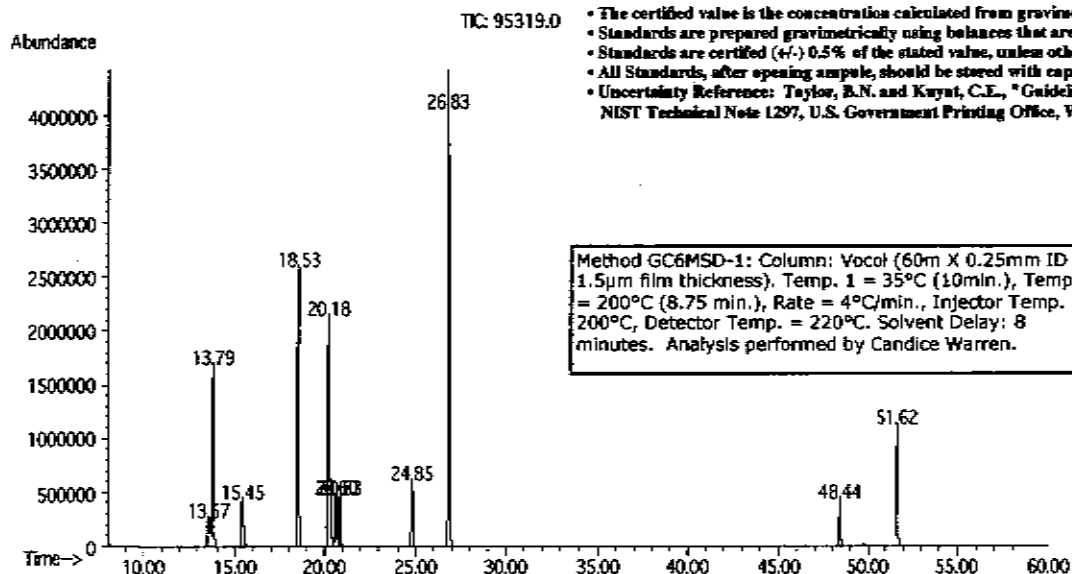
Part Number: 95319
Lot Number: 030918
Description: Revised Additions Mix
11 components
Expiration Date: 030921
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 2506734D

Solvent(s): Methanol
Lot#: DS435

Justin Dippold
030918
Formulated By: Justin Dippold **DATE:**
Pedro L. Rentas
030918
Reviewed By: Pedro L. Rentas **DATE:**

Weight(s) shown below were combined and diluted to (mL): 100.0 0.001 Balance Uncertainty 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01080	10005.8	40.4	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20130	2002.7	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	SHBD2795V	2000	99.5	0.2	0.20103	0.20113	2001.0	8.1	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20226	2002.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04105	40002.0	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20234	2002.9	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpp 4970mg/kg
7. Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20204	0.20231	2002.6	8.2	108-87-2	N/A	ori-mus 2250mg/kg
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20042	0.20070	2002.8	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02102	20005.9	80.8	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00161	10005.0	40.1	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21515	2000.7	8.7	488-23-3	N/A	ori-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocot (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Methanol
 ULTRA RESI-ANALYZED
 For Purge and Trap Analysis



Material No.: 9077-02
 Batch No.: 0000178208
 Manufactured Date: 2017/06/23
 Expiration Date: 2019/06/21

Certificate of Analysis

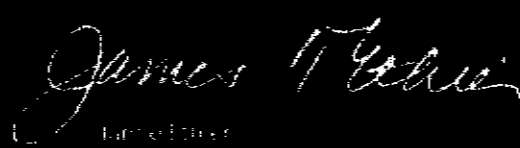
Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.3000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
 Performance Tested for Use in EPA Methods
 500 Series for Drinking Water
 600 Series for Wastewater
 846 for Solid Waste

Country of Origin: US
 Packaging Site: Phillipsburg Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001-2708, 14001-1034, FSSC 22000
 Cary, NC 9001-2905
 Mexico City, Mexico 9001-2905
 Columbia, TN Tanglewood 9001-2701, 14001-1034, ISO 9001
 Greenville, PA 9001-2408, 14001-1034
 Semarang, Indonesia 9001-2708
 Dahanu, India 9001-2004, 14001-1034, ISO 9001
 Mumbai, India 9001-2708
 Pune, India 9001-2708


 James T. Ferris
 Vice President, Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
 Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0134324
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)			
1	Acetone	5,002.7 µg/mL (Lot SHBH6933)	+/-	29.0861	µg/mL	Gravimetric
	CAS # 67-64-1		+/-	301.8351	µg/mL	Unstressed
	Purity 99%		+/-	302.5517	µg/mL	Stressed
2	2-Butanone (MEK)	5,004.7 µg/mL (Lot SHBP2461V)	+/-	29.0978	µg/mL	Gravimetric
	CAS # 78-93-3		+/-	301.9557	µg/mL	Unstressed
	Purity 99%		+/-	302.6726	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	5,000.1 µg/mL (Lot SHBH7006)	+/-	29.0710	µg/mL	Gravimetric
	CAS # 108-10-1		+/-	301.6782	µg/mL	Unstressed
	Purity 99%		+/-	302.3944	µg/mL	Stressed
4	2-Hexanone	5,007.4 µg/mL (Lot MKBW0198V)	+/-	29.1135	µg/mL	Gravimetric
	CAS # 591-78-6		+/-	302.1186	µg/mL	Unstressed
	Purity 99%		+/-	302.8359	µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



avantor™

Material No.: 9077-02
Batch No.: 0000177891
Manufactured Date: 2017/06/23
Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	$\geq 99.9\%$	100.0
Residue after Evaporation	≤ 1.0000 ppm	0.4000
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.3
Titration Base ($\mu\text{eq/g}$)	≤ 0.1	< 0.01
Water (by KF, coulometric)	$\leq 0.08\%$	< 0.01
Photolization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panaji, India 9001:2008

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555583 **Lot No.:** A0124467

Description: Custom CLP VOA Internal Standard Mix
Custom CLP VOA Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size: 2 mL **Pkg Amt:** > 1 mL

Expiration Date: January 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Component #	Component	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.I. K=2)
1	1,4-Difluorobenzene	25,060.0 µg/mL (Lot MKBN8571V)	+/- 231.909957 µg/mL Gravimetric
	CAS # 540-36-3		+/- 1,416.626085 µg/mL Unstressed
	Purity 99%		+/- 1,449.241705 µg/mL Stressed
2	Bromochloromethane	25,064.0 µg/mL (Lot 00004559)	+/- 231.946974 µg/mL Gravimetric
	CAS # 74-97-5		+/- 1,416.852202 µg/mL Unstressed
	Purity 99%		+/- 1,449.473029 µg/mL Stressed
3	Chlorobenzene-d5	25,024.0 µg/mL (Lot PR-23926)	+/- 231.576807 µg/mL Gravimetric
	CAS # 3114-55-4		+/- 1,414.591027 µg/mL Unstressed
	Purity 99%		+/- 1,447.159794 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Cathleen Bottis

Cathleen Bottis - Mix Technician

Date Mixed: 25-Jan-2017

Balance: 1125113331

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397



CERTIFIED REFERENCE MATERIAL

110 Banner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555584 **Lot No.:** A0124469

Description : Custom CLP VOA Surrogate Standard Mix

Custom CLP VOA Surrogate Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Component #	Compound	Concentration (weight/volume)	Expanded Uncertainty (95% C.L., K=2)	
1	1,2-Dichloroethane-d4 CAS # 17060-07-0 Purity 99% (Lot PR-26748)	25,056.0 µg/mL	+/- 231.872941 µg/mL	Gravimetric
			+/- 1,416.399967 µg/mL	Unstressed
			+/- 1,449.010382 µg/mL	Stressed
2	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 Purity 99% (Lot 20401KOV)	25,036.0 µg/mL	+/- 231.687857 µg/mL	Gravimetric
			+/- 1,415.269380 µg/mL	Unstressed
			+/- 1,447.853764 µg/mL	Stressed
3	Toluene-d8 CAS # 2037-26-5 Purity 99% (Lot PR-27311)	25,068.0 µg/mL	+/- 231.983991 µg/mL	Gravimetric
			+/- 1,417.078320 µg/mL	Unstressed
			+/- 1,449.704352 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Catherine Soltis

Catherine Soltis - Mix Technologist

Date Mixed: 25-Jan-2017

Balance: 1125113331

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **012218**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol
Lot#
DS435

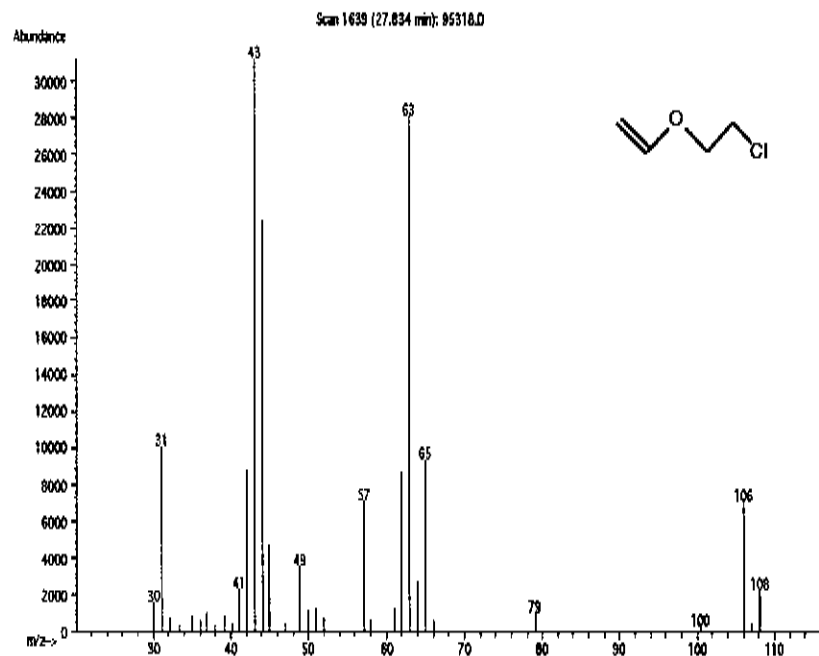
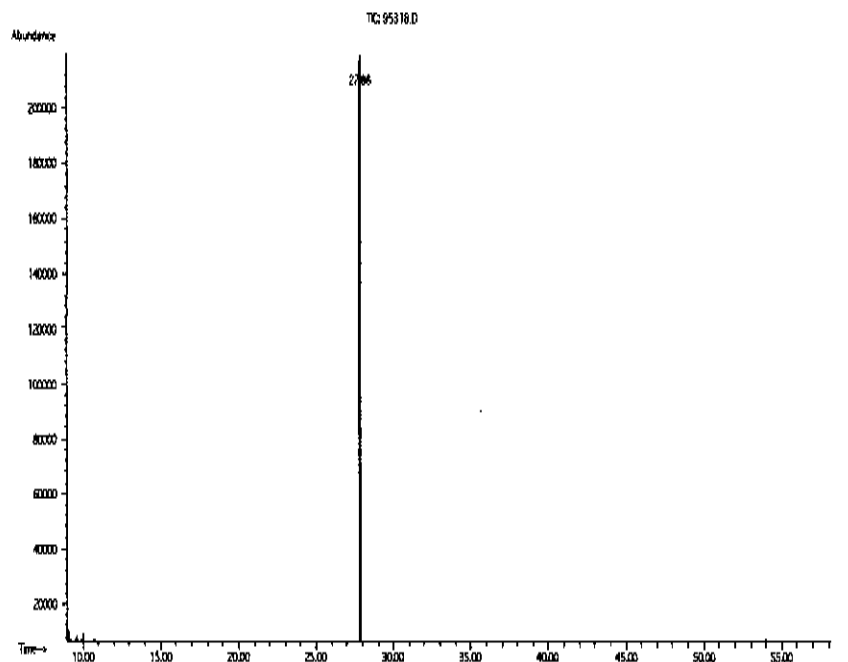
<i>Mario Luis</i>	012218
Formulated By: Mario Luis	DATE
<i>Pedro L. Rentas</i>	012218
Reviewed By: Pedro L. Rentas	DATE

Expiration Date: 012221
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 2506734D
Weight(s) shown below were combined and diluted to (mL): 25.0
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

Expanded
SDS Information
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	03208CI	10000	99	0.2	0.25256	0.02528	1000.9	5.7	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 021616
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol
Lot# DM417

<i>Gabriel Helland</i>		021616
Formulated By:	Gabriel Helland	DATE
<i>Pedro L. Rentas</i>		021616
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 021619
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 822-275872-11
Weight(s) shown below were combined and diluted to (mL): 25.0

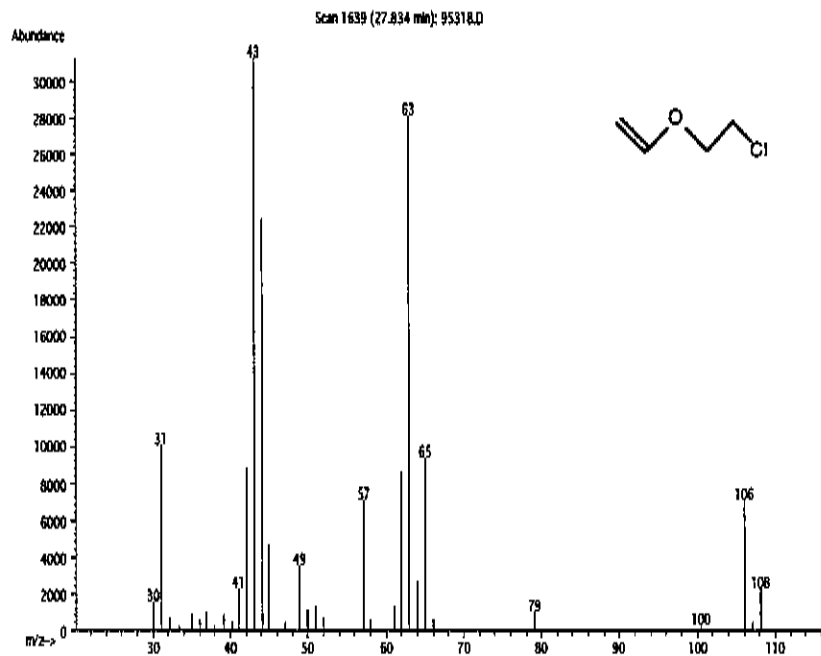
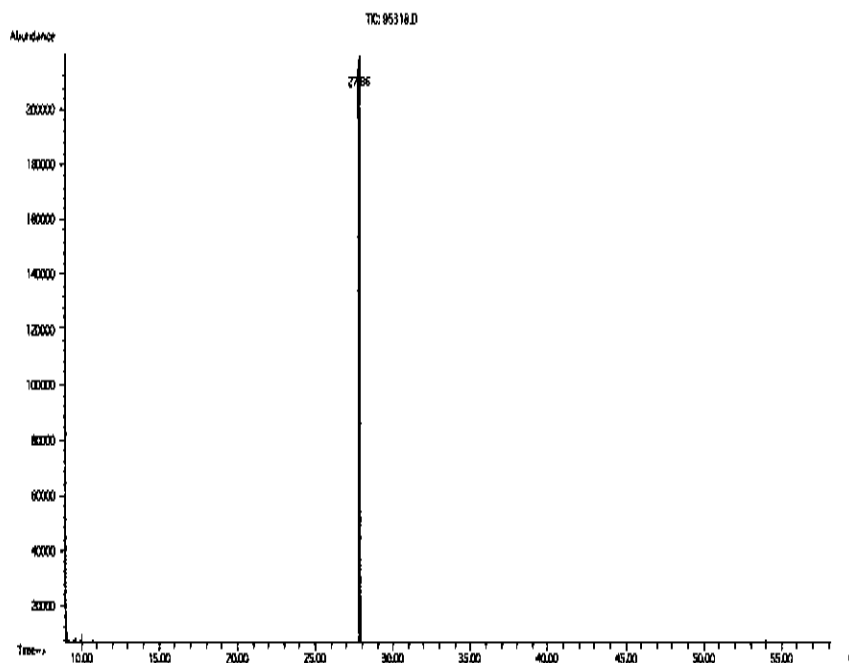
5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Expanded SDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	03206CI	10000	99	0.2	0.25254	0.25295	10016.2	40.9	110-75-8	N/A	ori-rat 250mg/kg

1. 2-Chloroethyl vinyl ether 74 03206CI 10000 99 0.2 0.25254 0.25295 10016.2 40.9 110-75-8 N/A ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., **Injector B Temp.** = 200°C, **Detector B Temp.** = 220°C. **Analyst:** Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampoules, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 70046
Lot Number: 101416
Description: Bromochloromethane

Solvent(s): Methanol
Lot# DP303

		101416
Formulated By:	Jason Criscio	DATE
		101416
Reviewed By:	Pedro L. Rentas	DATE

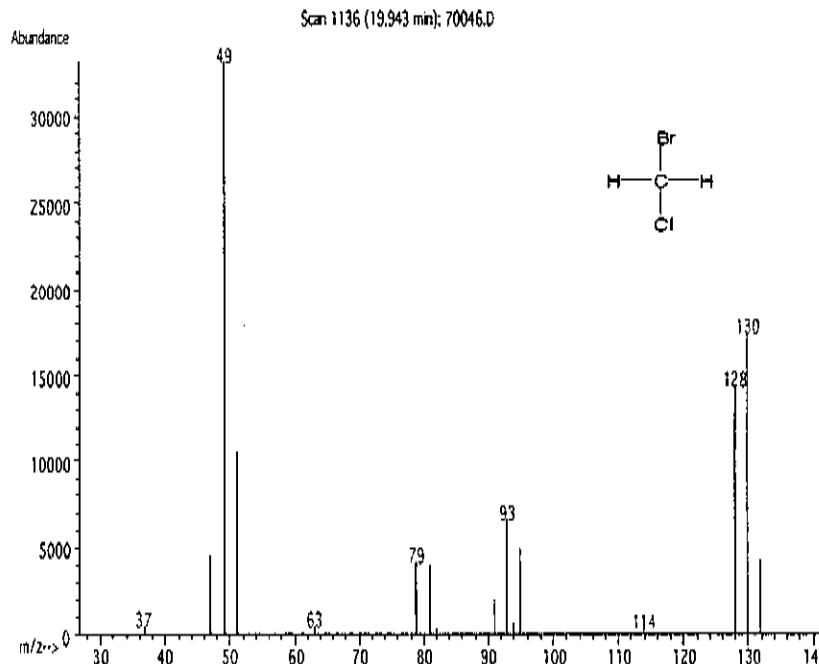
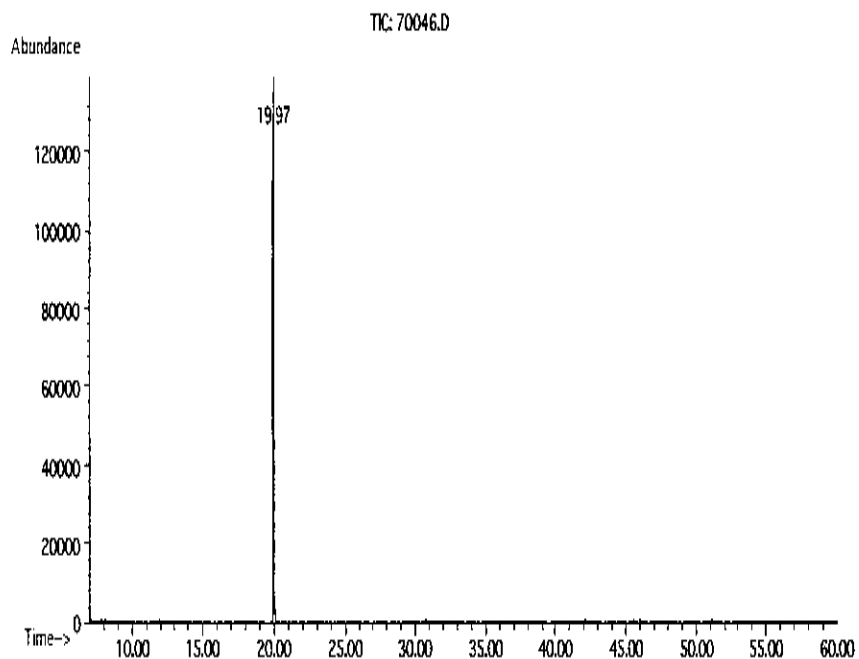
Expiration Date: 101421
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 822-275872-11

Weight(s) shown below were combined and diluted to (mL): 25.0 0.002 Flask Uncertainty

Expanded **MSDS Information**
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Bromochloromethane	46	AY01	1000	99	0.2	0.02526	0.02540	1005.7	5.7	74-97-5	200 ppm (1050mg/m3/8H)	or-rat 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B= 200°C, Detector B = 220°C. Analyst: Candice Warren



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Bellefonte, PA 16823-8812
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Fax: (814)353-1309

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Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 555582 **Lot No.:** A0118140

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2019 **Storage:** 10°C or colder

CERTIFIED VALUES

Component #	Compound	Grav. Conc (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,2-Dichloroethane-d4 CAS # 17060-07-0 Purity 99% (Lot 12K-027)	25,036.0 µg/mL	+/-	231.6879	µg/mL Gravimetric
			+/-	1,415.2694	µg/mL Unstressed
			+/-	1,447.8538	µg/mL Stressed
2	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 Purity 99% (Lot 20401KOV)	25,016.0 µg/mL	+/-	231.5028	µg/mL Gravimetric
			+/-	1,414.1388	µg/mL Unstressed
			+/-	1,446.6971	µg/mL Stressed
3	Dibromofluoromethane CAS # 1868-53-7 Purity 99% (Lot 032015)	25,036.0 µg/mL	+/-	231.6879	µg/mL Gravimetric
			+/-	1,415.2694	µg/mL Unstressed
			+/-	1,447.8538	µg/mL Stressed
4	Toluene-d8 CAS # 2037-26-5 Purity 99% (Lot PR-26282)	25,032.0 µg/mL	+/-	231.6508	µg/mL Gravimetric
			+/-	1,415.0433	µg/mL Unstressed
			+/-	1,447.6224	µg/mL Stressed



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Catalog No. : 555581 **Lot No.:** A0123929
Description : Custom 8260 Internal Standard Mix
Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : January 31, 2020 **Storage:** 10°C or colder

CERTIFIED VALUES

Component #	Compound	Concentration (weight/volume)	Expanded Uncertainty (95% C.I. K=2)	Method
1	1,4-Dichlorobenzene-d4 CAS # 3855-82-1 Purity 99% (Lot PR-18488)	25,088.0 µg/mL	+/- 232.1691 µg/mL	Gravimetric
			+/- 1,418.2089 µg/mL	Unstressed
			+/- 1,450.8610 µg/mL	Stressed
2	1,4-Difluorobenzene CAS # 540-36-3 Purity 99% (Lot MKBN8571V)	25,144.0 µg/mL	+/- 232.6873 µg/mL	Gravimetric
			+/- 1,421.3746 µg/mL	Unstressed
			+/- 1,454.0995 µg/mL	Stressed
3	Chlorobenzene-d5 CAS # 3114-55-4 Purity 99% (Lot PR-23926)	25,012.0 µg/mL	+/- 231.4658 µg/mL	Gravimetric
			+/- 1,413.9127 µg/mL	Unstressed
			+/- 1,446.4658 µg/mL	Stressed
4	Pentafluorobenzene CAS # 363-72-4 Purity 99% (Lot MKBT9337V)	25,224.0 µg/mL	+/- 233.4276 µg/mL	Gravimetric
			+/- 1,425.8969 µg/mL	Unstressed
			+/- 1,458.7260 µg/mL	Stressed



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Catalog No. : 30006 **Lot No.:** A0125322

Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Label Order	Component	Concentration (µg/mL)	Accepted Range (µg/mL)	Test Results (µg/mL)	Method
1	Acetone	(Lot SHBH0922V)	5,013.0	+/- 29.4191	Gravimetric
	CAS # 67-64-1		+/- 302.4829	Unstressed	
	Purity 99%		+/- 303.2010	Stressed	
2	2-Butanone (MEK)	(Lot SHBF2461V)	5,018.0	+/- 29.4484	Gravimetric
	CAS # 78-93-3		+/- 302.7846	Unstressed	
	Purity 99%		+/- 303.5034	Stressed	
3	4-Methyl-2-pentanone (MIBK)	(Lot SHBG3630V)	5,042.0	+/- 29.5893	Gravimetric
	CAS # 108-10-1		+/- 304.2328	Unstressed	
	Purity 99%		+/- 304.9550	Stressed	
4	2-Hexanone	(Lot MKBW0198V)	5,025.0	+/- 29.4895	Gravimetric
	CAS # 591-78-6		+/- 303.2070	Unstressed	
	Purity 99%		+/- 303.9268	Stressed	

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%



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Catalog No. : 30225 **Lot No.:** A0125405

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Feature Order	Compound	Concn. (weight/volume)	Expanded Uncertainty (at CL, K=2)	
1	Bromochloromethane CAS # 74-97-5 Purity 99% (Lot 00004559)	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 112.1643 µg/mL +/- 114.7876 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



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Catalog No. : 30470 **Lot No.:** A0126338

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.I., K=2)
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBG9852V)	50,060.0 µg/mL	+/- 293.1123 µg/mL Gravimetric +/- 1,072.3516 µg/mL Unstressed +/- 1,103.4946 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



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Catalog No. : 30067 **Lot No.:** A0127174

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)			
1	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 (Lot 01127COV) Purity 99%	2,506.0 µg/mL	+/- 14.7066	µg/mL	Gravimetric	
			+/- 140.5232	µg/mL	Unstressed	
			+/- 143.8106	µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



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Catalog No. : 30042 **Lot No.:** AQ131442
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2024 **Storage:** 0°C or colder

CERTIFIED VALUES

Flask Order	Compound	Concentration (weight/volume)	Expanded Uncertainty (95% C.I., K=2)			
1	Dichlorodifluoromethane (CFC-12) CAS # 75-71-8 (Lot Q167-08) Purity 99%	2,001.7 µg/mL	+/-	14.4547	µg/mL	Gravimetric
			+/-	112.5592	µg/mL	Unstressed
			+/-	115.1778	µg/mL	Stressed
2	Chloromethane (methyl chloride) CAS # 74-87-3 (Lot SHBG9707V) Purity 99%	2,001.6 µg/mL	+/-	13.7964	µg/mL	Gravimetric
			+/-	112.4738	µg/mL	Unstressed
			+/-	115.0942	µg/mL	Stressed
3	Vinyl chloride CAS # 75-01-4 (Lot 1026101231B1) Purity 99%	2,001.9 µg/mL	+/-	14.0001	µg/mL	Gravimetric
			+/-	112.5111	µg/mL	Unstressed
			+/-	115.1313	µg/mL	Stressed
4	Bromomethane (methyl bromide) CAS # 74-83-9 (Lot 101604) Purity 99%	2,001.0 µg/mL	+/-	13.1778	µg/mL	Gravimetric
			+/-	112.3658	µg/mL	Unstressed
			+/-	114.9871	µg/mL	Stressed
5	Chloroethane (ethyl chloride) CAS # 75-00-3 (Lot 23593) Purity 99%	2,001.2 µg/mL	+/-	14.0806	µg/mL	Gravimetric
			+/-	112.4863	µg/mL	Unstressed
			+/-	115.1054	µg/mL	Stressed
6	Trichlorofluoromethane (CFC-11) CAS # 75-69-4 (Lot SHBH4155V) Purity 99%	2,000.7 µg/mL	+/-	13.0893	µg/mL	Gravimetric
			+/-	112.3349	µg/mL	Unstressed
			+/-	114.9560	µg/mL	Stressed



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Catalog No. : 30470 **Lot No.:** A0133055

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95%, G1, K=2)
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBG9852V)	50,032.0 µg/mL	+/- 292.9484 µg/mL +/- 1,071.7518 µg/mL +/- 1,102.8773 µg/mL
			Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



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Catalog No. : 30489 **Lot No.:** A0134860
Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2018 **Storage:** 0°C or colder
Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)			
1	Methyl acetate	2,004.5 µg/mL (Lot SHBD7134V)	+/-	11.7635	µg/mL	Gravimetric
	CAS # 79-20-9		+/-	120.9509	µg/mL	Unstressed
	Purity 99%		+/-	121.2380	µg/mL	Stressed
2	Vinyl acetate	2,004.5 µg/mL (Lot STBD7333V)	+/-	11.7635	µg/mL	Gravimetric
	CAS # 108-05-4		+/-	120.9509	µg/mL	Unstressed
	Purity 99%		+/-	121.2380	µg/mL	Stressed
3	Ethyl acetate	2,006.0 µg/mL (Lot SHBH7407)	+/-	11.7723	µg/mL	Gravimetric
	CAS # 141-78-6		+/-	121.0414	µg/mL	Unstressed
	Purity 99%		+/-	121.3288	µg/mL	Stressed
4	Isopropyl acetate	2,000.5 µg/mL (Lot BCBN7598V)	+/-	11.7401	µg/mL	Gravimetric
	CAS # 108-21-4		+/-	120.7096	µg/mL	Unstressed
	Purity 99%		+/-	120.9961	µg/mL	Stressed
5	Propyl acetate	2,000.5 µg/mL (Lot FGL01)	+/-	11.7401	µg/mL	Gravimetric
	CAS # 109-60-4		+/-	120.7096	µg/mL	Unstressed
	Purity 99%		+/-	120.9961	µg/mL	Stressed
6	Butyl acetate	2,006.5 µg/mL (Lot SHBH0056V)	+/-	11.7753	µg/mL	Gravimetric
	CAS # 123-86-4		+/-	121.0716	µg/mL	Unstressed
	Purity 99%		+/-	121.3590	µg/mL	Stressed
7	Amyl acetate	2,006.5 µg/mL (Lot 41325/1)	+/-	11.7753	µg/mL	Gravimetric
	CAS # 628-63-7		+/-	121.0716	µg/mL	Unstressed
	Purity 99%		+/-	121.3590	µg/mL	Stressed



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Catalog No. : 555408-SL **Lot No.:** A0135430

Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Flution Order	Chemical Name	Concn. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)	Method
1	Vinyl acetate CAS # 108-05-4 Purity 99%	8,034.0 µg/mL (Lot STBD7333V)	+/- 47.1480 µg/mL +/- 484.7692 µg/mL +/- 485.9199 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.



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Catalog No. : 555408-FL **Lot No.:** A0135482

Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Lot on Order	Component	Concentration (weight/volume)	Expanded Uncertainty (95% C.I. K=2)
1	Vinyl acetate CAS # 108-05-4 Purity 99%	8,080.0 µg/mL (Lot STBD7333V)	+/- 47.4180 µg/mL +/- 487.5448 µg/mL +/- 488.7021 µg/mL
			Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.



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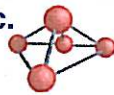
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Catalog No. : 30042 **Lot No.:** AQ133860
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : September 30, 2024 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Stock Concentration (µg/mL)	Expanded Uncertainty (95% Confidence)		
1	Dichlorodifluoromethane (CFC-12) CAS # 75-71-8 (Lot Q167-08) Purity 99%	1,998.8 µg/mL	+/- 14.4274 µg/mL +/- 112.3986 µg/mL +/- 115.0135 µg/mL	Gravimetric Unstressed Stressed	
2	Chloromethane (methyl chloride) CAS # 74-87-3 (Lot SHBH5831) Purity 99%	1,999.5 µg/mL	+/- 14.0384 µg/mL +/- 112.3858 µg/mL +/- 115.0028 µg/mL	Gravimetric Unstressed Stressed	
3	Vinyl chloride CAS # 75-01-4 (Lot 00012557) Purity 99%	2,003.8 µg/mL	+/- 19.9391 µg/mL +/- 113.5098 µg/mL +/- 116.1124 µg/mL	Gravimetric Unstressed Stressed	
4	Bromomethane (methyl bromide) CAS # 74-83-9 (Lot 101604) Purity 99%	2,002.0 µg/mL	+/- 15.8849 µg/mL +/- 112.7689 µg/mL +/- 115.3835 µg/mL	Gravimetric Unstressed Stressed	
5	Chloroethane (ethyl chloride) CAS # 75-00-3 (Lot 107-401039114-1) Purity 99%	1,999.9 µg/mL	+/- 16.6181 µg/mL +/- 112.7603 µg/mL +/- 115.3698 µg/mL	Gravimetric Unstressed Stressed	
6	Trichlorofluoromethane (CFC-11) CAS # 75-69-4 (Lot SHBG7531V) Purity 99%	2,001.7 µg/mL	+/- 13.7650 µg/mL +/- 112.4716 µg/mL +/- 115.0921 µg/mL	Gravimetric Unstressed Stressed	



CERTIFIED WEIGHT REPORT: Uncertainty $\pm 0.5\%$ Stated Values.

Part Number: **95317**
Lot Number: **041116**
Description: **Universal VOA Megamix**
69 components
Expiration Date: **041119**

Solvent(s): **Lot#**
Methanol **DM417Q19**

Formulated By: <i>Paul Barron</i> Paul Barron	041116 DATE
Reviewed By: <i>Pedro L. Rentas</i> Pedro L. Rentas	041116 DATE

Recommended Storage: **Freezer (0 °C)**
Nominal Concentration(ug/mL): **2000**

NIST Test ID#: **822-275872-11**

Weight(s) & Volume(s) shown below were combined and diluted to: **100 mL**

MSDS Information
(Solvent Safety Info. On Attached pg.)

Compound	(RM#)	Lot	Dil	Initial	Initial	Nominal	Purity	Max. Target	Actual	Actual	MSDS Information		
	Part Number	Number	Factor	Vol. (mL)	Conc. (ug/mL)	Conc. (ug/mL)	(%)	Weight(g)	Weight(g)	Conc. (ug/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	SHBB3649V	na	na	na	2000	99.8	0.20040	0.20060	2002.0	75-05-8	40 ppm (20mg/m3/8h)	or rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	na	na	na	2000	99	0.20202	0.20225	2002.3	107-05-1	1 ppm (5mg/m3/8h)	or rat 700mg/kg
3. Carbon disulfide	(0060)	PO 12273PD	na	na	na	2000	99	0.20202	0.20220	2001.8	75-15-0	4 ppm (12mg/m3) (skin)	or rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1199)	14718EF	na	na	na	2000	95	0.21053	0.21078	2002.4	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	12218HC	na	na	na	2000	98	0.20408	0.20430	2002.1	110-57-6	N/A	N/A
6. Diethyl ether (Ethyl ether)	(0153)	02553HC	na	na	na	2000	99.9	0.20020	0.20035	2001.5	60-29-7	400 ppm (120mg/m3/8h)	or rat 1215mg/kg
7. Ethyl methacrylate	(0381)	06126PX	na	na	na	2000	99	0.20202	0.20230	2002.8	97-63-2	N/A	or rat 1400mg/kg
8. Iodomethane	(0489)	12909DD	na	na	na	2000	99	0.20202	0.20215	2001.3	74-88-4	5 ppm (25mg/m3/8h) (skin)	or rat 110mg/kg
9. Isobutanol	(0445)	15241EB	na	na	na	2000	99.5	0.20101	0.20128	2002.7	78-83-1	5 ppm (25mg/m3/8h) (skin)	or rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	na	na	na	2000	99	0.20202	0.20220	2001.8	126-98-7	1 ppm (5mg/m3/8h) (skin)	or rat 120mg/kg
11. Methyl acrylate	(1075)	05208YK	na	na	na	2000	99	0.20202	0.20230	2002.8	96-33-3	10 ppm (35mg/m3/8h) (skin)	or rat 277mg/kg
12. Methyl methacrylate	(0404)	03021BX	na	na	na	2000	99	0.20202	0.20240	2003.8	80-82-6	100 ppm (410mg/m3/8h)	or rat 787mg/kg
13. Nitrobenzene	(0228)	01213TV	na	na	na	2000	99	0.20202	0.20210	2000.8	98-95-3	1 ppm (5mg/m3/8h) (skin)	or rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	na	na	na	2000	95	0.21053	0.21090	2003.6	79-46-9	10 ppm (35mg/m3/8h)	or rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	na	na	na	2000	98	0.20408	0.20430	2002.1	76-01-7	N/A	N/A
16. 1,1,2-Trichloro-1,2,2-trifluoroethane	(0474)	01221PY	na	na	na	2000	99	0.20202	0.20230	2002.8	76-13-1	1000 ppm (7600mg/m3/8h)	or rat 43g/kg
17. Bromodichloromethane	35171	101615	0.05	5.00	40012.7	2000	na	na	na	2000.6	75-27-4	N/A	or rat 916mg/kg
18. Dibromochloromethane	35171	101615	0.05	5.00	40005.8	2000	na	na	na	2000.3	124-48-1	N/A	or rat 848mg/kg
19. cis-1,2-Dichloroethane	35171	101615	0.05	5.00	40006.7	2000	na	na	na	2000.3	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	101615	0.05	5.00	40004.9	2000	na	na	na	2000.2	156-60-2	N/A	or rat 1235mg/kg
21. Methylene chloride	35171	101615	0.05	5.00	40002.2	2000	na	na	na	2000.1	75-09-2	500 ppm	or rat 2136mg/kg
22. 1,1-Dichloroethane	32251	012816	0.10	10.00	20002.6	2000	na	na	na	2000.3	75-35-4	1 ppm (4mg/m3/8h)	or rat 200mg/kg
23. Bromoform	95321	012114	0.10	10.00	20004.6	2000	na	na	na	2000.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or rat 1147mg/kg
24. Carbon tetrachloride	95321	012114	0.10	10.00	20004.4	2000	na	na	na	2000.4	56-23-5	2 ppm (12mg/m3/8h)	or rat 235mg/kg
25. Chloroform	95321	012114	0.10	10.00	20005.9	2000	na	na	na	2000.6	67-66-3	50 ppm (400mg/m3) (CL)	or rat 908mg/kg
26. Dibromomethane	95321	012114	0.10	10.00	20006.8	2000	na	na	na	2000.7	74-95-3	N/A	or rat 108mg/kg
27. 1,1-Dichloroethane	95321	012114	0.10	10.00	20004.9	2000	na	na	na	2000.5	75-34-3	100 ppm	or rat 725mg/kg
28. 2,2-Dichloropropane	95321	012114	0.10	10.00	20002.7	2000	na	na	na	2000.3	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	012114	0.10	10.00	20003.7	2000	na	na	na	2000.4	127-18-4	15 ppm (170mg/m3/8h) (skin)	or rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	012114	0.10	10.00	20005.9	2000	na	na	na	2000.6	71-55-6	350 ppm (1900mg/m3/8h)	or rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	021016	0.05	5.00	40004.2	2000	na	na	na	2000.2	96-12-8	0.001 ppm	or rat 170mg/kg
32. 1,2-Dibromoethane	35161	021016	0.05	5.00	40002.7	2000	na	na	na	2000.1	106-93-4	20 ppm (8H)	or rat 108mg/kg
33. 1,2-Dichloroethane	35161	021016	0.05	5.00	40825.5	2000	na	na	na	2041.3	107-06-2	50 ppm (8H)	or rat 670mg/kg
34. 1,2-Dichloropropane	35161	021016	0.05	5.00	40003.2	2000	na	na	na	2000.2	78-87-5	75 ppm (350mg/m3/8h)	or rat 1347mg/kg
35. 1,3-Dichloropropane	35161	021016	0.05	5.00	40006.2	2000	na	na	na	2000.3	142-28-9	N/A	or rat 5293mg/kg
36. 1,1-Dichloropropene	35161	021016	0.05	5.00	40006.2	2000	na	na	na	2000.3	563-50-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	021016	0.05	5.00	40003.9	2000	na	na	na	2000.2	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	021016	0.05	5.00	40007.3	2000	na	na	na	2000.4	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	021016	0.05	5.00	40008.4	2000	na	na	na	2000.4	87-68-3	0.02 ppm (0.24mg/m3/8h)	or rat 62mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	021016	0.05	5.00	40012.1	2000	na	na	na	2000.6	630-20-6	N/A	or rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	021016	0.05	5.00	40004.1	2000	na	na	na	2000.2	79-34-5	5 ppm (35mg/m3/8h) (skin)	or rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	021016	0.05	5.00	40008.9	2000	na	na	na	2000.4	79-00-5	10 ppm (45mg/m3/8h) (skin)	or rat 816mg/kg
43. Trichloroethene	35161	021016	0.05	5.00	40008.3	2000	na	na	na	2000.4	79-01-6	50 ppm (270mg/m3/8h)	or rat 2402mg/kg
44. 1,2,3-Trichloropropane	35161	021016	0.05	5.00	40005.7	2000	na	na	na	2000.3	96-18-4	10 ppm (40mg/m3/8h)	or rat 143.6mg/kg
45. Benzene	35162	021616	0.05	5.00	40047.5	2000	na	na	na	2002.4	71-43-2	1 ppm	or rat 4894mg/kg
46. Bromobenzene	35162	021616	0.05	5.00	40012.2	2000	na	na	na	2000.6	108-86-1	N/A	or rat 2639mg/kg
47. n-Butyl benzene	35162	021616	0.05	5.00	40047.2	2000	na	na	na	2002.4	104-51-8	N/A	N/A
48. Ethyl benzene	35162	021616	0.05	5.00	40010.5	2000	na	na	na	2000.5	100-41-4	100 ppm (435mg/m3/8h)	or rat >2000mg/kg
49. p-Isopropyl toluene	35162	021616	0.05	5.00	40055.2	2000	na	na	na	2002.8	99-07-6	N/A	or rat 4750mg/kg
50. Naphthalene	35162	021616	0.05	5.00	40015.2	2000	na	na	na	2000.8	91-20-3	10 ppm (50mg/m3/8h)	or rat 430mg/kg
51. Styrene	35162	021616	0.05	5.00	40052.8	2000	na	na	na	2002.6	100-42-5	100 ppm	or rat 5000mg/kg
52. Toluene	35162	021616	0.05	5.00	40009.3	2000	na	na	na	2000.5	108-88-3	200 ppm	or rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	021616	0.05	5.00	40046.1	2000	na	na	na	2002.3	87-61-6	N/A	or rat 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	021616	0.05	5.00	40010.7	2000	na	na	na	2000.5	120-82-1	5 ppm (CL) (40mg/m3)	or rat 746mg/kg
55. 1,2,4-Trimethylbenzene	35162	021616	0.05	5.00	40015.3	2000	na	na	na	2000.8	95-63-6	N/A	or rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	021616	0.05	5.00	40002.0	2000	na	na	na	2000.1	108-67-8	N/A	N/A
57. m-Xylene	35162	021616	0.05	5.00	40036.0	2000	na	na	na	2001.8	108-38-3	100 ppm (435mg/m3/8h)	or rat 5g/kg
58. tert-Butyl benzene	35163	021616	0.05	5.00	40041.8	2000	na	na	na	2002.1	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	021616	0.05	5.00	40025.5	2000	na	na	na	2001.3	135-98-8	N/A	or rat 2240mg/kg
60. Chlorobenzene	35163	021616	0.05	5.00	40070.1	2000	na	na	na	2003.5	108-90-7	75 ppm (350mg/m3/8h)	or rat 2230mg/kg
61. 2-Chlorotoluene	35163	021616	0.05	5.00	40024.5	2000	na	na	na	2001.2	95-49-8	50 ppm (250mg/m3/8h)	or rat 3900mg/kg
62. 4-Chlorotoluene	35163	021616	0.05	5.00	40023.6	2000	na	na	na	2001.2	106-43-4	N/A	or rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	021616	0.05	5.00	40085.2	2000	na	na	na	2004.3	95-50-1	50 ppm (300mg/m3) (CL)	or rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	021616	0.05	5.00	40009.4	2000	na	na	na	2000.5	541-73-1	N/A	or rat 1062mg/kg
65. 1,4-Dichlorobenzene	35163	021616	0.05	5.00	40049.4	2000	na	na	na	2002.5	106-46-7	75 ppm (450mg/m3/8h)	or rat 500mg/kg
66. Isopropylbenzene	35163	021616	0.05	5.00	40036.3	2000	na	na	na	2001.8	98-82-8	50 ppm (245mg/m3/8h)	or rat 1400mg/kg
67. n-Propylbenzene	35163	021616	0.05	5.00	40048.9	2000	na	na	na	2002.4	103-85-1	N/A	or rat 6040mg/kg
68. o-Xylene	35163	021616	0.05	5.00	40043.3	2000	na	na	na	2002.2	95-47-6	100 ppm (435mg/m3/8h)	or rat 1364mg/kg
69. p-Xylene	35163	021616	0.05	5.00	40025.1	2000	na	na	na	2001.3	106-42-3	100 ppm (435mg/m3/8h)	or rat 5g/kg

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Methanol
 ULTRA RESI-ANALYZED
 For Purge and Trap Analysis



Material No.: 9077-02
 Batch No.: 0000177891
 Manufactured Date: 2017/06/23
 Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.4000
Titration Acid (µeq/g)	<= 0.3	0.3
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
 Performance Tested for Use in EPA Methods
 500 Series for Drinking Water
 600 Series for Wastewater
 846 for Solid Waste

Country of Origin: US
 Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 9001 2009 14001 2004 FSSC 22000
 Paris, KY 9001 2008
 Mexico City, Mexico 9001 2008
 Delft, The Netherlands 9001 2008 14001 2004 13495 2013
 Ghazee, Poland 9001 2008 13495 2013
 Selangor, Malaysia 9001 2008
 Dehradun, India 9001 2008 14001 2004 13495 2013
 Mumbai, India 9001 2008
 Panaji, India 9001 2008

James T. [Signature]
 [Title]
 [Contact Information]

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
 Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000178208
Manufactured Date: 2017/06/23
Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.3000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

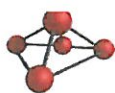


Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008

James Ethier
Jamie Ethier
Vice President Global Quality

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Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **072518**
Description: **Acrolein**

Solvent(s): **Water**
Lot#: **020618Q**

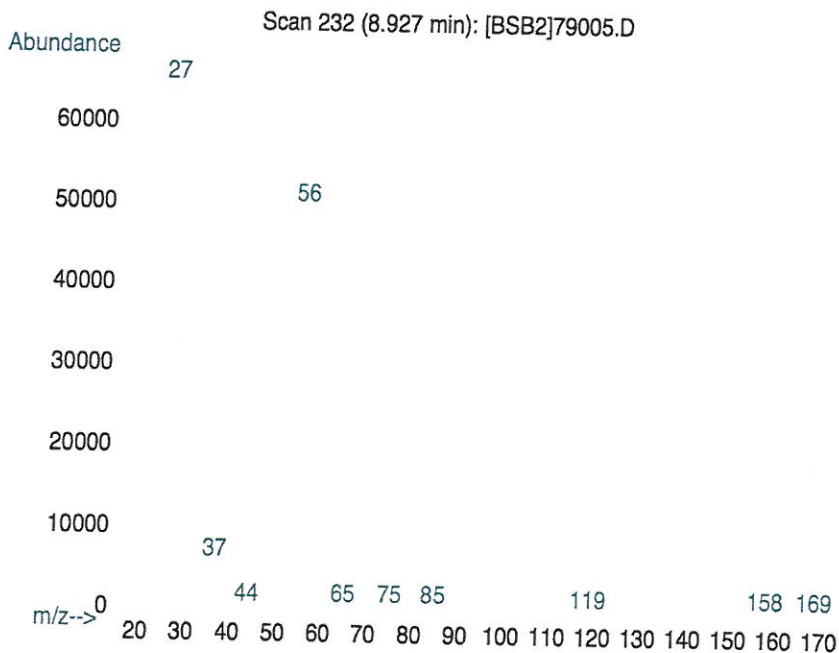
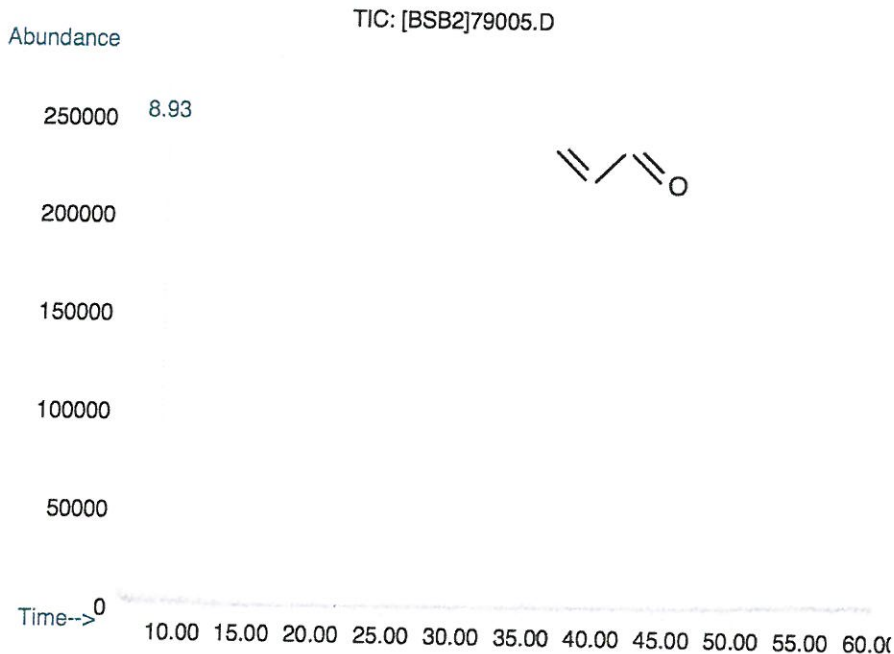
<i>Justin Dippold</i>		072518
Formulated By:	Justin Dippold	DATE
<i>Pedro L. Rentas</i>		072518
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **082518**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **5000**
NIST Test ID#: **2684186**

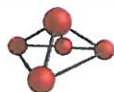
Weight(s) shown below were combined and diluted to (mL): **10.0**
5E-05 Balance Uncertainty
0.007 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	04715LL	5000	97	0.2	0.05157	0.05164	5007.1	23.8	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 072618
Description: Acrolein

Solvent(s): Water
Lot# 020618Q

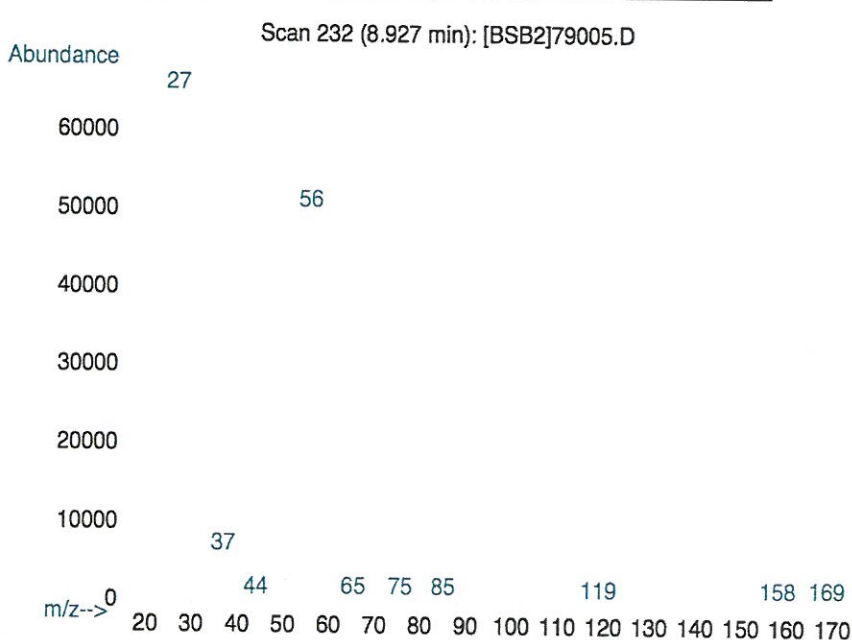
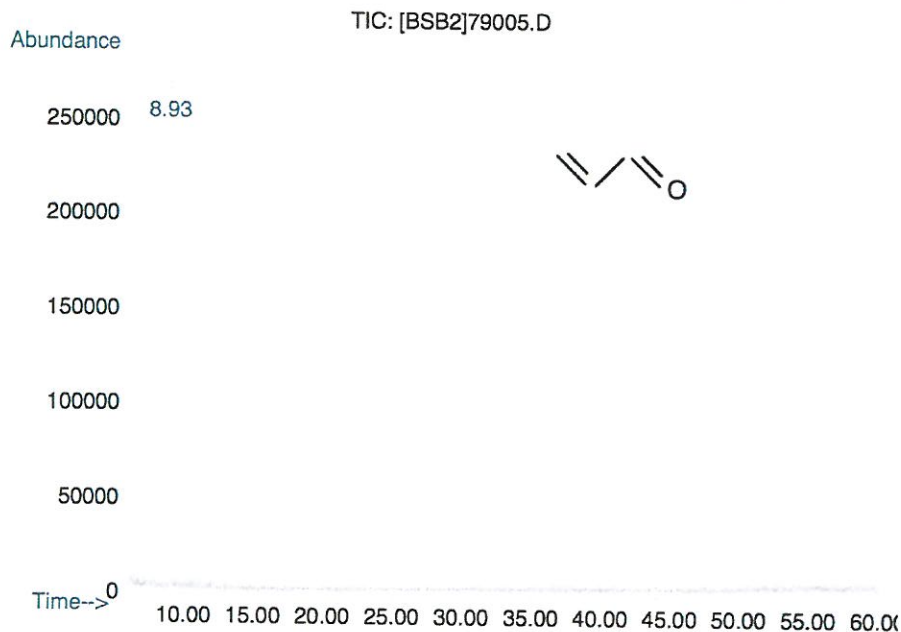
Expiration Date: 082618
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 2684186

Weight(s) shown below were combined and diluted to (mL): 20.0
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

<i>Eli Aliaga</i>		072618
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		072618
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	07813BN	5000	97	0.2	0.10302	0.10320	5008.9	21.2	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Methanol
 ULTRA RESI-ANALYZED
 For Purge and Trap Analysis



Material No.: 9077-02
 Batch No.: 0000178208
 Manufactured Date: 2017/06/23
 Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.3000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
 Performance Tested for Use in EPA Methods
 500 Series for Drinking Water
 600 Series for Wastewater
 846 for Solid Waste

Country of Origin: US
 Packaging Site: Phillipsburg Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
 Paris, KY 9001:2008
 Mexico City, Mexico 9001:2008
 Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
 Gliwice, Poland 9001:2008, 13485:2012
 Selangor, Malaysia 9001:2008
 Dehradun, India, 9001:2008, 14001:2004, 13485:2003
 Mumbai, India, 9001:2008
 Panoli, India 9001:2008

Jamie Ethier
 Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
 Avantor Performance Materials, LLC.
 3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 Lot No.: A0137584

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : October 31, 2018 Storage: 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Methyl acetate	2,010.0 µg/mL (Lot SHBG4345V)	+/-	11.7958	µg/mL	Gravimetric
	CAS # 79-20-9		+/-	121.2828	µg/mL	Unstressed
	Purity 99%		+/-	121.5707	µg/mL	Stressed
2	Vinyl acetate	2,010.7 µg/mL (Lot STBD7333V)	+/-	11.7997	µg/mL	Gravimetric
	CAS # 108-05-4		+/-	121.3230	µg/mL	Unstressed
	Purity 99%		+/-	121.6110	µg/mL	Stressed
3	Ethyl acetate	2,006.0 µg/mL (Lot SHBH7407)	+/-	11.7723	µg/mL	Gravimetric
	CAS # 141-78-6		+/-	121.0414	µg/mL	Unstressed
	Purity 99%		+/-	121.3288	µg/mL	Stressed
4	Isopropyl acetate	2,008.0 µg/mL (Lot BCBR9533V)	+/-	11.7841	µg/mL	Gravimetric
	CAS # 108-21-4		+/-	121.1621	µg/mL	Unstressed
	Purity 99%		+/-	121.4497	µg/mL	Stressed
5	Propyl acetate	2,002.7 µg/mL (Lot FGL01)	+/-	11.7528	µg/mL	Gravimetric
	CAS # 109-60-4		+/-	120.8403	µg/mL	Unstressed
	Purity 99%		+/-	121.1272	µg/mL	Stressed
6	Butyl acetate	2,006.7 µg/mL (Lot SHBH0056V)	+/-	11.7762	µg/mL	Gravimetric
	CAS # 123-86-4		+/-	121.0817	µg/mL	Unstressed
	Purity 99%		+/-	121.3691	µg/mL	Stressed
7	Amyl acetate	2,004.7 µg/mL (Lot 41325/1)	+/-	11.7645	µg/mL	Gravimetric
	CAS # 628-63-7		+/-	120.9610	µg/mL	Unstressed
	Purity 99%		+/-	121.2481	µg/mL	Stressed

SHIPPING DOCUMENTS

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Package #1
1 of 2

CHEMTECH PROJECT NO. **J4465**
 QUOTE NO. _____
 COC Number **2022361**

CLIENT INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION	
REPORT TO BE SENT TO:					
COMPANY: <u>Day Environmental, Inc.</u>	PROJECT NAME: <u>Andrew St. Sitz</u>	BILL TO: <u>DAY Environmental, Inc.</u>	PO#: <u>5334 S-17</u>		
ADDRESS: <u>1563 Lyell Avenue</u>	PROJECT NO.: <u>5334 S-17</u> LOCATION: <u>Rochester, NY</u>	ADDRESS: <u>1563 Lyell Avenue</u>			
CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>	PROJECT MANAGER: <u>Jeff Danzinger</u>	CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>			
ATTENTION: <u>Jeff Danzinger</u>	e-mail: <u>jdanzinger@daymail.net</u>	ATTENTION: <u>Jeff Danzinger</u> PHONE: <u>585-454-0210</u>			
PHONE: <u>585-454-0210</u> FAX: <u>585-454-0825</u>	PHONE: <u>585-454-0210</u> FAX: <u>585-454-0825</u>				

DATA TURNAROUND INFORMATION	DATA DELIVERABLE INFORMATION	ANALYSIS
FAX: _____ DAYS *	<input type="checkbox"/> RESULTS ONLY <input type="checkbox"/> USEPA CLP	MeOH extraction requires an additional 4 oz jar for percent solid. 1 2 3 4 5 6 7 8 9
HARD COPY: _____ DAYS *	<input type="checkbox"/> RESULTS + QC <input checked="" type="checkbox"/> New York State ASP "B"	
EDD: _____ DAYS *	<input type="checkbox"/> New Jersey REDUCED <input type="checkbox"/> New York State ASP "A"	
PREAPPROVED TAT: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> New Jersey CLP <input type="checkbox"/> Other _____	
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS	<input checked="" type="checkbox"/> EDD FORMAT <u>NYDEL Equiv Excl</u>	

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other				
			COMP	GRAB	DATE	TIME		A/E													
								1	2	3	4	5	6	7	8	9					
1.	940-MW-01 (23)	GW	X	X	8-13-18	0932	2	X													
2.	941-MW-02 (23.B)	GW	X	X	8-13-18	0935	2	X													
3.	942-MW-03A (17)	GW	X	X	8-13-18	0939	2	X													
4.	943-MW-04 (23)	GW	X	X	8-13-18	0942	2	X													
5.	944-MW-05 (17)	GW	X	X	8-13-18	0949	6	X													
6.	945-MW-06 (17)	GW	X	X	8-13-18	0958	2	X													
7.	946-MW-07 (22.5)	GW	X	X	8-13-18	1002	2	X													
8.	947-MW-11 (15)	GW	X	X	8-13-18	1010	2	X													
9.	948-MW-15 (17)	GW	X	X	8-13-18	1019	2	X													
10.	949-MW-16 (22.5)	GW	X	X	8-13-18	1023	2	X													

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Comments: <u>Data Package #1 to Contain Sampler 940 to 955</u>	Cooler Temp.: <u>46°C</u>
1. <u>[Signature]</u>	<u>8-13-18/1600</u>	1. <u>FED-EX</u>		
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:		
2. _____	_____	2. _____		
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB. BY:		
3. <u>FedEx</u>	<u>8/14/18/1045</u>	3. <u>[Signature]</u>		



CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Package #1
2 of 2

CHEMTECH PROJECT NO.
QUOTE NO. J4465
COC Number 2022362

CLIENT INFORMATION, CLIENT PROJECT INFORMATION, CLIENT BILLING INFORMATION
COMPANY: Day Environmental, Inc.
PROJECT NAME: Andrew St. Sitta
BILL TO: Day Environmental, Inc. PO#: 53345-17
ADDRESS: 1563 Lyell Avenue
PROJECT NO.: 53345-17 LOCATION: Rochester, NY
ADDRESS: 1563 Lyell Avenue
CITY: Rochester STATE: NY ZIP: 14606
PROJECT MANAGER: Jeff Danzinger
CITY: Rochester STATE: NY ZIP: 14606
ATTENTION: Jeff Danzinger e-mail: jdanzinger@daymail.net
ATTENTION: Jeff Danzinger PHONE: 585-454-0210 FAX: 585-454-0825
PHONE: 585-454-0210 FAX: 585-454-0825

DATA TURNAROUND INFORMATION, DATA DELIVERABLE INFORMATION, ANALYSIS
FAX: 5 DAYS *
HARD COPY: DAYS *
EDD: 15 DAYS *
PREAPPROVED TAT: YES NO
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS
RESULTS ONLY USEPA CLP
RESULTS + QC New York State ASP "B"
New Jersey REDUCED New York State ASP "A"
New Jersey CLP Other
EDD FORMAT NYDEC Equiv. Excl.

Table with columns: CHEMTECH SAMPLE ID, PROJECT SAMPLE IDENTIFICATION, SAMPLE MATRIX, SAMPLE TYPE, SAMPLE COLLECTION DATE, TIME, # OF BOTTLES, PRESERVATIVES, COMMENTS. Includes handwritten entries for samples 1-6 and a signature across rows 7-10.

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY
RELINQUISHED BY SAMPLER, RECEIVED BY: FED-EX
Comments: Data Package #2 to contain Samplers 940 to 955
Cooler Temp.: 46°C
Shipment Complete: Yes No
By Client: FEDEX
By Chemtech: JLGWV#1

From: [Jeff Danzinger](mailto:Jeff.Danzinger@chemtech.net)
To: "Jordan@chemtech.net"
Subject: RE: J4465 - TB
Date: Tuesday, August 14, 2018 1:44:23 PM
Attachments: [image001.jpg](#)

Please proceed with the analysis of the samples received. Make a note that Trip Blank was not received.

From: Jordan Hedvat [<mailto:Jordan@chemtech.net>]
Sent: Tuesday, August 14, 2018 1:36 PM
To: Jeff Danzinger
Subject: J4465 - TB

Hi Jeff,

Hope all is well. For J4465 – Andrews St Site RI project, we did not receive the trip blank sample “955-TB081318”

Please let us know how to proceed.

Thank you,

Jordan Hedvat

CHEMTECH

284 Sheffield St. | Mountainside, NJ 07092
Direct: (908) 728-3144
jordan@chemtech.net | www.chemtech.net

Your Opinion Matters! Please Give Us Your [Feedback](#)

Chemtech Signature Logo 2018



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J4465

4.6°C

ORIGIN ID:CDWA (585) 454-0
JEFF DANZINGER
DAY ENVIRONMENTAL INC
1563 LYELL AVE
CANALSIDE BUSINESS CENTER
ROCHESTER, NY 14606
UNITED STATES US

08.14.18
1517
D

DATE: 11JUL18
WEIGHT: 25.00 LB MAN
CAD: 0403399/CAFE3210

Part # 198297-435 RHD8 EXP 12/18
551C3/8532/104C

TO **GEORGE
CHEMTECH
284 SHEFFIELD ST**

MOUNTIANSIDE NJ 07092

(908) 728-3144

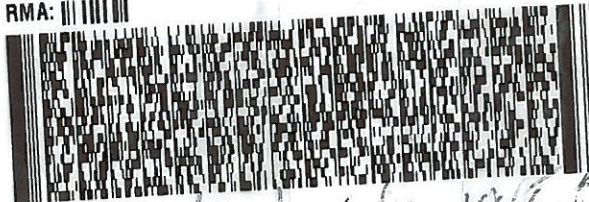
REF:

DEPT:

INU:

PO:

RMA: ||| ||| |||



**FedEx
Express**



J18111804200109

FedEx
TRK# 4329 0653 1517
0221

DU stick 1045 4.6°C

**TUE - 14 AUG 3:00P
STANDARD OVERNIGHT**

XA KBCA

**07092
NJ-US EWR**

Part # 198297-435 RHD8 EXP 04/19



#258404 08/13 552J1/3309/DCA5

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

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Order ID : J4465	DAYE01	Order Date : 08/13/2018	Project Mgr :
Client Name : Day Environmental, Inc.		Project Name : Andrew St. RI	Report Type : NYS ASP B
Client Contact : Jeff Danzinger		Receive DateTime : 8/14/2018 10:45:00 AM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger		Login Tech : ankit	Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMET	FAX DATE	DUE DATES
J4465-01	940-MW-01(23)	Water	08/13/2018	09:32	VOC-TCLVOA-10		8260-Low	5 Bus. Days		
J4465-02	941-MW-02(23.8)	Water	08/13/2018	09:35	VOC-TCLVOA-10		8260-Low	5 Bus. Days		
J4465-03	942-MW-03A(17)	Water	08/13/2018	09:39	VOC-TCLVOA-10		8260-Low	5 Bus. Days		
J4465-04	943-MW-04(23)	Water	08/13/2018	09:42	VOC-TCLVOA-10		8260-Low	5 Bus. Days		
J4465-05	944-MW-05(17)	Water	08/13/2018	09:49	VOC-TCLVOA-10		8260-Low	5 Bus. Days		
J4465-06	J4465-05MS	Water	08/13/2018	09:49	VOC-TCLVOA-10		8260-Low	5 Bus. Days		
J4465-07	J4465-05MSD	Water	08/13/2018	09:49	VOC-TCLVOA-10		8260-Low	5 Bus. Days		
J4465-08	945-MW-06(17)	Water	08/13/2018	09:58	VOC-TCLVOA-10		8260-Low	5 Bus. Days		
J4465-09	946-MW-07(22.5)	Water	08/13/2018	10:02	VOC-TCLVOA-10		8260-Low	5 Bus. Days		



LOGIN REPORT/SAMPLE TRANSFER

Order ID : J4465	DAYE01	Order Date : 08/13/2018	Project Mgr :
Client Name : Day Environmental, Inc.		Project Name : Andrew St. RI	Report Type : NYS ASP B
Client Contact : Jeff Danzinger		Receive DateTime : 8/14/2018 10:45:00 AM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger		Login Tech : ankit	Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMET	FAX DATE	DUE DATES
J4465-10	947-MW-11(15)	Water	08/13/2018	10:10	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J4465-11	948-MW-15(17)	Water	08/13/2018	10:19	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J4465-12	949-MW-16(22.5)	Water	08/13/2018	10:23	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J4465-13	950-MW-17(15.5)	Water	08/13/2018	10:26	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J4465-14	951-MW-18(21.5)	Water	08/13/2018	10:29	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J4465-15	952-MW-19(28)	Water	08/13/2018	10:32	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J4465-16	953-MW-20(22)	Water	08/13/2018	10:36	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J4465-17	954-FB081318	Water	08/13/2018	09:28	VOC-TCLVOA-10		8260-Low			5 Bus. Days


LOGIN REPORT/SAMPLE TRANSFER

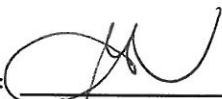
Order ID : J4465	DAYE01	Order Date : 08/13/2018	Project Mgr :
Client Name : Day Environmental, Inc.		Project Name : Andrew St. RI	Report Type : NYS ASP B
Client Contact : Jeff Danzinger		Receive DateTime : 8/14/2018 10:45:00 AM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger		Login Tech : ankit	Date Signoff :


LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMET	FAX DATE	DUE DATES
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~~J4465-18 955-TB081318 Water 08/13/2018 00:00~~

~~VOC-TCLVOA-10 8260-Low 5 Bus. Days~~

Did NOT RECEIVE


Relinquished By: 
 Date / Time : 8/14/18 1230

Received By:  14-55
 Date / Time : 08/14/18

Storage Area : VOA Refridgerator Room

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : ANDREW ST. RI

**DAY ENVIRONMENTAL, INC.
Canalside Business Center, 1563 Lyell Avenue**

**Rochester, NY - 14606
Phone No: 585-454-0210**

**ORDER ID : J4469
ATTENTION : Jeff Danzinger**



1) VOLATILES DATA	2	1
2) Signature Page	4	2
3) Case Narrative	5	3
4) Qualifier Page	7	4
5) Conformance/Non Conformance	8	5
6) QA Checklist	10	6
7) Chronicle	11	7
8) Hit Summary	12	8
9) QC Data Summary For VOC-TCLVOA-10	14	9
9.1) Deuterated Monitoring Compound Summary	15	10
9.2) LCS/LCSD Summary	16	11
9.3) Method Blank Summary	22	12
9.4) GS/MS Tune Summary	24	13
9.5) Internal Standard Area and RT Summary	27	14
10) Sample Data	31	15
10.1) 956-IW-13(19)	32	16
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10.3) 957-IW-14(17)	59	
10.4) 958-IW-15(19)	75	
10.5) 959-IW-16(19)	90	
10.6) 959-IW-16(19)DL	105	
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10.8) 961-IW-22(17)	132	
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11.1) Initial Calibration Data	148	
11.1.1) VN081418	148	
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11.2.2) VN050639.D	593	
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12.1) Tune Raw Data	654	
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Cover Page

Order ID : J4469

Project ID : Andrew St. RI

Client : Day Environmental, Inc.

Lab Sample Number

J4469-01
J4469-02
J4469-03
J4469-04
J4469-05
J4469-06

Client Sample Number

956-IW-13(19)
957-IW-14(17)
958-IW-15(19)
959-IW-16(19)
960-IW-21(17)
961-IW-22(17)

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :



APPROVED

Date: 8/21/2018
By Mildred V Reyes, QAQC Supervisor at 7:44 am, Aug 27, 2018

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE**Day Environmental, Inc.****Project Name: Andrew St. RI****Project # N/A****Chemtech Project # J4469****Test Name: VOC-TCLVOA-10****A. Number of Samples and Date of Receipt:**

6 Water samples were received on 08/14/2018.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD recoveries met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 15% in the Initial Calibration (Method 82N081418W.M) for Chloromethane, Bromomethane, Chloroethane, Acetone, Methyl Acetate, Methylene Chloride, Styrene, Cyclohexane, 1,1,2,2-Tetrachloroethane, 1,2,4-Trichlorobenzene and 1,2,3-Trichlorobenzene compounds are passing on Linear regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:

Samples 956-IW-13(19), 959-IW-16(19) were diluted due to high concentrations.

Samples for MS/MSD and Trip Blank analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_ *Mildred V Reyes*

APPROVED

By Mildred V Reyes, QAQC Supervisor at 7:44 am, Aug 27, 2018



DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: J4469

MATRIX: Water

METHOD: 8260-Low

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2. GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4. GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5. GC/MS Calibration Requirements. The %RSD is greater than 15% in the Initial Calibration (Method 82N081418W.M) for Chloromethane, Bromomethane, Chloroethane, Acetone, Methyl Acetate, Methylene Chloride , Styrene, Cyclohexane , 1,1,2,2-Tetrachloroethanethese, 1,2,4- Trichlorobenzene & 1,2,3-Trichlorobenzene compounds are passing on Linear regression . The Continuous Calibration met the requirements.			✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9. Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10. Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

Samples 956-IW-13(19), 959-IW-16(19) were diluted due to high concentrations.

Samples for MS/MSD and Trip Blank analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

NA NO YES

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

REVIEWED**By kalpana at 5:52 pm, Aug 24, 2018**

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: J4469

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page) ✓

Check chain-of-custody for proper relinquish/return of samples ✓

Is the chain of custody signed and complete ✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts ✓

Collect information for each project id from server. Were all requirements followed ✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page ✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody ✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results ✓

Do requested analyses on Chain of Custody agree with the log-in page ✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody ✓

Were the samples received within hold time ✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle ✓

ANALYTICAL:

Was method requirement followed? ✓

Was client requirement followed? ✓

Does the case narrative summarize all QC failure? ✓

All runlogs and manual integration are reviewed for requirements ✓

All manual calculations and /or hand notations verified ✓

1st Level QA Review Signature: MOHINI SONI

Date: 08/21/2018

2nd Level QA Review Signature:

REVIEWED
By kalpana at 5:53 pm, Aug 24, 2018

Date: _____



LAB CHRONICLE

OrderID: J4469	OrderDate: 8/14/2018 11:45:00 AM
Client: Day Environmental, Inc.	Project: Andrew St. RI
Contact: Jeff Danzinger	Location:

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
J4469-01	956-IW-13(19)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/14/18	08/14/18
J4469-01DL	956-IW-13(19)DL	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18
J4469-02	957-IW-14(17)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/14/18	08/14/18
J4469-03	958-IW-15(19)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/14/18	08/14/18
J4469-04	959-IW-16(19)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/14/18	08/14/18
J4469-04DL	959-IW-16(19)DL	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/15/18	08/14/18
J4469-05	960-IW-21(17)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/14/18	08/14/18
J4469-06	961-IW-22(17)	Water	VOC-TCLVOA-10	8260-Low	08/13/18		08/14/18	08/14/18

Hit Summary Sheet SW-846

 SDG No.: J4469

 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: 956-IW-13(19)									
J4469-01	956-IW-13(19)	Water	Vinyl Chloride	0.58	J	0.2	0.2	1	ug/L
J4469-01	956-IW-13(19)	Water	Acetone	6.40		0.5	1	5	ug/L
J4469-01	956-IW-13(19)	Water	trans-1,2-Dichloroethene	1.80		0.2	0.2	1	ug/L
J4469-01	956-IW-13(19)	Water	cis-1,2-Dichloroethene	130.00		0.2	0.2	1	ug/L
J4469-01	956-IW-13(19)	Water	Trichloroethene	230.00	E	0.2	0.2	1	ug/L
J4469-01	956-IW-13(19)	Water	Tetrachloroethene	1,300.00	E	0.2	0.2	1	ug/L
			Total Voc :	1668.78					
			Total Concentration:	1668.78					
Client ID: 956-IW-13(19)DL									
J4469-01DL	956-IW-13(19)DL	Water	cis-1,2-Dichloroethene	120.00	D	4	4	20	ug/L
J4469-01DL	956-IW-13(19)DL	Water	Trichloroethene	180.00	D	4	4	20	ug/L
J4469-01DL	956-IW-13(19)DL	Water	Tetrachloroethene	900.00	D	4	4	20	ug/L
			Total Voc :	1200					
			Total Concentration:	1200					
Client ID: 957-IW-14(17)									
J4469-02	957-IW-14(17)	Water	Vinyl Chloride	1.80		0.2	0.2	1	ug/L
J4469-02	957-IW-14(17)	Water	Acetone	5.50		0.5	1	5	ug/L
J4469-02	957-IW-14(17)	Water	cis-1,2-Dichloroethene	90.70		0.2	0.2	1	ug/L
J4469-02	957-IW-14(17)	Water	Trichloroethene	24.30		0.2	0.2	1	ug/L
J4469-02	957-IW-14(17)	Water	Tetrachloroethene	31.50		0.2	0.2	1	ug/L
			Total Voc :	153.8					
			Total Concentration:	153.8					
Client ID: 958-IW-15(19)									
J4469-03	958-IW-15(19)	Water	Acetone	4.80	J	0.5	1	5	ug/L
J4469-03	958-IW-15(19)	Water	cis-1,2-Dichloroethene	33.80		0.2	0.2	1	ug/L
J4469-03	958-IW-15(19)	Water	Trichloroethene	28.60		0.2	0.2	1	ug/L
J4469-03	958-IW-15(19)	Water	Tetrachloroethene	89.60		0.2	0.2	1	ug/L
			Total Voc :	156.8					
			Total Concentration:	156.8					
Client ID: 959-IW-16(19)									
J4469-04	959-IW-16(19)	Water	Acetone	7.30		0.5	1	5	ug/L
J4469-04	959-IW-16(19)	Water	cis-1,2-Dichloroethene	44.90		0.2	0.2	1	ug/L
J4469-04	959-IW-16(19)	Water	Trichloroethene	93.60		0.2	0.2	1	ug/L
J4469-04	959-IW-16(19)	Water	Tetrachloroethene	540.00	E	0.2	0.2	1	ug/L
			Total Voc :	685.8					
			Total Concentration:	685.8					
Client ID: 959-IW-16(19)DL									
J4469-04DL	959-IW-16(19)DL	Water	cis-1,2-Dichloroethene	48.60	D	2	2	10	ug/L
J4469-04DL	959-IW-16(19)DL	Water	Trichloroethene	84.30	D	2	2	10	ug/L

Hit Summary Sheet SW-846

SDG No.: J4469
 Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
J4469-04DL	959-IW-16(19)DL	Water	Tetrachloroethene	410.00	D	2	2	10	ug/L
			Total Voc :	542.9					
			Total Concentration:	542.9					
Client ID:	960-IW-21(17)								
J4469-05	960-IW-21(17)	Water	Vinyl Chloride	0.98	J	0.2	0.2	1	ug/L
J4469-05	960-IW-21(17)	Water	Acetone	6.10		0.5	1	5	ug/L
J4469-05	960-IW-21(17)	Water	cis-1,2-Dichloroethene	43.90		0.2	0.2	1	ug/L
J4469-05	960-IW-21(17)	Water	Trichloroethene	19.10		0.2	0.2	1	ug/L
J4469-05	960-IW-21(17)	Water	Tetrachloroethene	140.00		0.2	0.2	1	ug/L
			Total Voc :	210.08					
			Total Concentration:	210.08					
Client ID:	961-IW-22(17)								
J4469-06	961-IW-22(17)	Water	Acetone	6.10		0.5	1	5	ug/L
J4469-06	961-IW-22(17)	Water	cis-1,2-Dichloroethene	13.40		0.2	0.2	1	ug/L
J4469-06	961-IW-22(17)	Water	Trichloroethene	19.90		0.2	0.2	1	ug/L
J4469-06	961-IW-22(17)	Water	Tetrachloroethene	35.60		0.2	0.2	1	ug/L
			Total Voc :	75					
			Total Concentration:	75					

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SUMMARY

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Surrogate Summary

 SDG No.: J4469

 Client: Day Environmental, Inc.

 Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
J4469-01	956-IW-13(19)	1,2-Dichloroethane-d4	50	49.71	99	61	141
		Dibromofluoromethane	50	48.68	97	69	133
		Toluene-d8	50	46.19	92	65	126
		4-Bromofluorobenzene	50	39.87	80	58	135
J4469-01DL	956-IW-13(19)DL	1,2-Dichloroethane-d4	50	51.08	102	61	141
		Dibromofluoromethane	50	49.16	98	69	133
		Toluene-d8	50	47.59	95	65	126
		4-Bromofluorobenzene	50	39.53	79	58	135
J4469-02	957-IW-14(17)	1,2-Dichloroethane-d4	50	50.01	100	61	141
		Dibromofluoromethane	50	49.1	98	69	133
		Toluene-d8	50	45.55	91	65	126
		4-Bromofluorobenzene	50	35.79	72	58	135
J4469-03	958-IW-15(19)	1,2-Dichloroethane-d4	50	50.64	101	61	141
		Dibromofluoromethane	50	49.21	98	69	133
		Toluene-d8	50	45.94	92	65	126
		4-Bromofluorobenzene	50	37.31	75	58	135
J4469-04	959-IW-16(19)	1,2-Dichloroethane-d4	50	51.02	102	61	141
		Dibromofluoromethane	50	49.22	98	69	133
		Toluene-d8	50	46.81	94	65	126
		4-Bromofluorobenzene	50	39.58	79	58	135
J4469-04DL	959-IW-16(19)DL	1,2-Dichloroethane-d4	50	52.43	105	61	141
		Dibromofluoromethane	50	49.16	98	69	133
		Toluene-d8	50	47.92	96	65	126
		4-Bromofluorobenzene	50	42.79	86	58	135
J4469-05	960-IW-21(17)	1,2-Dichloroethane-d4	50	50.33	101	61	141
		Dibromofluoromethane	50	50.17	100	69	133
		Toluene-d8	50	46.69	93	65	126
		4-Bromofluorobenzene	50	37.59	75	58	135
J4469-06	961-IW-22(17)	1,2-Dichloroethane-d4	50	52.53	105	61	141
		Dibromofluoromethane	50	49.63	99	69	133
		Toluene-d8	50	46.33	93	65	126
		4-Bromofluorobenzene	50	36.64	73	58	135
VN0814WBL01	VN0814WBL01	1,2-Dichloroethane-d4	50	56.33	113	61	141
		Dibromofluoromethane	50	53.87	108	69	133
		Toluene-d8	50	50.62	101	65	126
		4-Bromofluorobenzene	50	39.09	78	58	135
VN0814WBS01	VN0814WBS01	1,2-Dichloroethane-d4	50	49.57	99	61	141
		Dibromofluoromethane	50	50.02	100	69	133
		Toluene-d8	50	49.23	98	65	126
		4-Bromofluorobenzene	50	46.41	93	58	135
VN0814WBSD01	VN0814WBSD01	1,2-Dichloroethane-d4	50	54.31	109	61	141
		Dibromofluoromethane	50	54.53	109	69	133
		Toluene-d8	50	53.88	108	65	126
		4-Bromofluorobenzene	50	51.56	103	58	135
VN0815WBL01	VN0815WBL01	1,2-Dichloroethane-d4	50	50.36	101	61	141
		Dibromofluoromethane	50	49.66	99	69	133
		Toluene-d8	50	47	94	65	126
		4-Bromofluorobenzene	50	36.84	74	58	135
VN0815WBS01	VN0815WBS01	1,2-Dichloroethane-d4	50	46.76	94	61	141
		Dibromofluoromethane	50	47.48	95	69	133
		Toluene-d8	50	47.48	95	65	126
		4-Bromofluorobenzene	50	44.26	89	58	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J4469

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN050595.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0814WBS01	Dichlorodifluoromethane	20	19.2	ug/L	96			46	139	
	Chloromethane	20	19.5	ug/L	98			58	139	
	Vinyl chloride	20	18.8	ug/L	94			65	137	
	Bromomethane	20	16.7	ug/L	84			50	162	
	Chloroethane	20	19.6	ug/L	98			54	160	
	Trichlorofluoromethane	20	19.2	ug/L	96			67	143	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			71	136	
	1,1-Dichloroethene	20	19.3	ug/L	97			69	134	
	Acetone	100	110	ug/L	110			41	181	
	Carbon disulfide	20	19.1	ug/L	96			63	138	
	Methyl tert-butyl Ether	20	20.3	ug/L	102			72	136	
	Methyl Acetate	20	19.9	ug/L	100			51	158	
	Methylene Chloride	20	19.7	ug/L	99			67	138	
	trans-1,2-Dichloroethene	20	19.8	ug/L	99			72	132	
	1,1-Dichloroethane	20	19.2	ug/L	96			74	135	
	Cyclohexane	20	19.6	ug/L	98			67	132	
	2-Butanone	100	110	ug/L	110			64	146	
	Carbon Tetrachloride	20	19.6	ug/L	98			71	134	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			74	130	
	Bromochloromethane	20	19.8	ug/L	99			71	136	
	Chloroform	20	18.8	ug/L	94			74	134	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			74	133	
	Methylcyclohexane	20	20.4	ug/L	102			71	125	
	Benzene	20	20.1	ug/L	101			75	125	
	1,2-Dichloroethane	20	20	ug/L	100			76	130	
	Trichloroethene	20	19.5	ug/L	98			73	127	
	1,2-Dichloropropane	20	19.8	ug/L	99			76	125	
	Bromodichloromethane	20	19.4	ug/L	97			78	127	
	4-Methyl-2-Pentanone	100	100	ug/L	100			71	140	
	Toluene	20	20.2	ug/L	101			74	125	
	t-1,3-Dichloropropene	20	20	ug/L	100			74	131	
	cis-1,3-Dichloropropene	20	21	ug/L	105			74	128	
	1,1,2-Trichloroethane	20	19.9	ug/L	100			75	129	
	2-Hexanone	100	110	ug/L	110			62	153	
	Dibromochloromethane	20	19.6	ug/L	98			74	131	
	1,2-Dibromoethane	20	19.7	ug/L	99			74	129	
	Tetrachloroethene	20	19.5	ug/L	98			46	157	
	Chlorobenzene	20	19.8	ug/L	99			76	123	
	Ethyl Benzene	20	20.2	ug/L	101			75	126	
	m/p-Xylenes	40	41.1	ug/L	103			74	126	
	o-Xylene	20	20.2	ug/L	101			73	127	
	Styrene	20	19.1	ug/L	96			75	126	
	Bromoform	20	19.7	ug/L	99			66	130	
	Isopropylbenzene	20	20.5	ug/L	103			70	127	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/L	104			66	131	
	1,3-Dichlorobenzene	20	19.6	ug/L	98			70	125	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			71	124	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			71	126	
	1,2-Dibromo-3-Chloropropane	20	20.5	ug/L	103			62	134	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary SW-846

SDG No.: J4469
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low Datafile : VN050595.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0814WBS01	1,2,4-Trichlorobenzene	20	18.7	ug/L	94			62	129	
	1,2,3-Trichlorobenzene	20	19	ug/L	95			58	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J4469

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN050600.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0814WBSD01	Dichlorodifluoromethane	20	21.1	ug/L	106	10		46	139	20
	Chloromethane	20	22	ug/L	110	12		58	139	20
	Vinyl chloride	20	21.1	ug/L	106	12		65	137	20
	Bromomethane	20	19.8	ug/L	99	16		50	162	20
	Chloroethane	20	22.4	ug/L	112	13		54	160	20
	Trichlorofluoromethane	20	21.1	ug/L	106	10		67	143	20
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/L	108	10		71	136	20
	1,1-Dichloroethene	20	21.2	ug/L	106	9		69	134	20
	Acetone	100	120	ug/L	120	9		41	181	20
	Carbon disulfide	20	21.2	ug/L	106	10		63	138	20
	Methyl tert-butyl Ether	20	22.4	ug/L	112	9		72	136	20
	Methyl Acetate	20	22.5	ug/L	113	12		51	158	20
	Methylene Chloride	20	22.1	ug/L	111	11		67	138	20
	trans-1,2-Dichloroethene	20	21.7	ug/L	109	10		72	132	20
	1,1-Dichloroethane	20	21.3	ug/L	106	10		74	135	20
	Cyclohexane	20	21.7	ug/L	109	11		67	132	20
	2-Butanone	100	110	ug/L	110	0		64	146	20
	Carbon Tetrachloride	20	21.6	ug/L	108	10		71	134	20
	cis-1,2-Dichloroethene	20	21.6	ug/L	108	10		74	130	20
	Bromochloromethane	20	22.7	ug/L	114	14		71	136	20
	Chloroform	20	21.4	ug/L	107	13		74	134	20
	1,1,1-Trichloroethane	20	21.4	ug/L	107	10		74	133	20
	Methylcyclohexane	20	22.6	ug/L	113	10		71	125	20
	Benzene	20	22.6	ug/L	113	11		75	125	20
	1,2-Dichloroethane	20	22.4	ug/L	112	11		76	130	20
	Trichloroethene	20	21.6	ug/L	108	10		73	127	20
	1,2-Dichloropropane	20	22.1	ug/L	111	11		76	125	20
	Bromodichloromethane	20	21.8	ug/L	109	12		78	127	20
	4-Methyl-2-Pentanone	100	120	ug/L	120	18		71	140	20
	Toluene	20	22.9	ug/L	115	13		74	125	20
	t-1,3-Dichloropropene	20	22	ug/L	110	10		74	131	20
	cis-1,3-Dichloropropene	20	22.9	ug/L	115	9		74	128	20
	1,1,2-Trichloroethane	20	22.2	ug/L	111	10		75	129	20
	2-Hexanone	100	120	ug/L	120	9		62	153	20
	Dibromochloromethane	20	22	ug/L	110	12		74	131	20
	1,2-Dibromoethane	20	22.4	ug/L	112	12		74	129	20
	Tetrachloroethene	20	21.9	ug/L	110	12		46	157	20
	Chlorobenzene	20	21.9	ug/L	110	11		76	123	20
	Ethyl Benzene	20	22.4	ug/L	112	10		75	126	20
	m/p-Xylenes	40	45.9	ug/L	115	11		74	126	20
	o-Xylene	20	22.8	ug/L	114	12		73	127	20
	Styrene	20	21.3	ug/L	106	10		75	126	20
	Bromoform	20	22.6	ug/L	113	13		66	130	20
	Isopropylbenzene	20	22.4	ug/L	112	8		70	127	20
	1,1,2,2-Tetrachloroethane	20	23.9	ug/L	119	13		66	131	20
	1,3-Dichlorobenzene	20	21.8	ug/L	109	11		70	125	20
	1,4-Dichlorobenzene	20	21.1	ug/L	106	9		71	124	20
	1,2-Dichlorobenzene	20	21.6	ug/L	108	11		71	126	20
	1,2-Dibromo-3-Chloropropane	20	22.6	ug/L	113	9		62	134	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary SW-846

SDG No.: J4469
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low Datafile : VN050600.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0814WBSD01	1,2,4-Trichlorobenzene	20	19.7	ug/L	99	5		62	129	20
	1,2,3-Trichlorobenzene	20	20.4	ug/L	102	7		58	130	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J4469

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VN050642.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0815WBS01	Dichlorodifluoromethane	20	17.4	ug/L	87			46	139	
	Chloromethane	20	17.9	ug/L	90			58	139	
	Vinyl chloride	20	17.4	ug/L	87			65	137	
	Bromomethane	20	17	ug/L	85			50	162	
	Chloroethane	20	17.7	ug/L	89			54	160	
	Trichlorofluoromethane	20	17.2	ug/L	86			67	143	
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89			71	136	
	1,1-Dichloroethene	20	17.3	ug/L	86			69	134	
	Acetone	100	94.9	ug/L	95			41	181	
	Carbon disulfide	20	17	ug/L	85			63	138	
	Methyl tert-butyl Ether	20	17.5	ug/L	88			72	136	
	Methyl Acetate	20	17.9	ug/L	90			51	158	
	Methylene Chloride	20	17.8	ug/L	89			67	138	
	trans-1,2-Dichloroethene	20	17.2	ug/L	86			72	132	
	1,1-Dichloroethane	20	17.4	ug/L	87			74	135	
	Cyclohexane	20	17.7	ug/L	89			67	132	
	2-Butanone	100	90.5	ug/L	91			64	146	
	Carbon Tetrachloride	20	17.8	ug/L	89			71	134	
	cis-1,2-Dichloroethene	20	17.4	ug/L	87			74	130	
	Bromochloromethane	20	18.8	ug/L	94			71	136	
	Chloroform	20	17.4	ug/L	87			74	134	
	1,1,1-Trichloroethane	20	17.7	ug/L	89			74	133	
	Methylcyclohexane	20	18.2	ug/L	91			71	125	
	Benzene	20	18.3	ug/L	92			75	125	
	1,2-Dichloroethane	20	17.9	ug/L	90			76	130	
	Trichloroethene	20	17.9	ug/L	90			73	127	
	1,2-Dichloropropane	20	18	ug/L	90			76	125	
	Bromodichloromethane	20	17.5	ug/L	88			78	127	
	4-Methyl-2-Pentanone	100	90.9	ug/L	91			71	140	
	Toluene	20	18.7	ug/L	94			74	125	
	t-1,3-Dichloropropene	20	17.9	ug/L	90			74	131	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			74	128	
	1,1,2-Trichloroethane	20	18	ug/L	90			75	129	
	2-Hexanone	100	92.3	ug/L	92			62	153	
	Dibromochloromethane	20	18.1	ug/L	91			74	131	
	1,2-Dibromoethane	20	18.1	ug/L	91			74	129	
	Tetrachloroethene	20	17.9	ug/L	90			46	157	
	Chlorobenzene	20	17.8	ug/L	89			76	123	
	Ethyl Benzene	20	18.1	ug/L	91			75	126	
	m/p-Xylenes	40	37.1	ug/L	93			74	126	
	o-Xylene	20	18.1	ug/L	91			73	127	
	Styrene	20	17	ug/L	85			75	126	
	Bromoform	20	17.8	ug/L	89			66	130	
	Isopropylbenzene	20	19	ug/L	95			70	127	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97			66	131	
	1,3-Dichlorobenzene	20	17.9	ug/L	90			70	125	
	1,4-Dichlorobenzene	20	17.6	ug/L	88			71	124	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			71	126	
	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88			62	134	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: J4469
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low Datafile : VN050642.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0815WBS01	1,2,4-Trichlorobenzene	20	16.1	ug/L	81			62	129	
	1,2,3-Trichlorobenzene	20	16.2	ug/L	81			58	130	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0814WBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: J4469SAS No.: J4469 SDG NO.: J4469Lab File ID: VN050593.DLab Sample ID: VN0814WBL01Date Analyzed: 08/14/2018Time Analyzed: 11:22GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0814WBS01	VN0814WBS01	VN050595.D	08/14/2018
VN0814WBSD01	VN0814WBSD01	VN050600.D	08/14/2018
956-IW-13 (19)	J4469-01	VN050609.D	08/14/2018
957-IW-14 (17)	J4469-02	VN050610.D	08/14/2018
958-IW-15 (19)	J4469-03	VN050611.D	08/14/2018
959-IW-16 (19)	J4469-04	VN050612.D	08/14/2018
960-IW-21 (17)	J4469-05	VN050613.D	08/14/2018
961-IW-22 (17)	J4469-06	VN050614.D	08/14/2018

COMMENTS:

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0815WBL01

Lab Name: CHEMTECHContract: DAYE01Lab Code: CHEM Case No.: J4469SAS No.: J4469 SDG NO.: J4469Lab File ID: VN050640.DLab Sample ID: VN0815WBL01Date Analyzed: 08/15/2018Time Analyzed: 09:03GC Column: RXI-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0815WBS01	VN0815WBS01	VN050642.D	08/15/2018
956-IW-13(19)DL	J4469-01DL	VN050644.D	08/15/2018
959-IW-16(19)DL	J4469-04DL	VN050645.D	08/15/2018

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG NO.: J4469
 Lab File ID: VN050583.D BFB Injection Date: 08/13/2018
 Instrument ID: MSVOA_N BFB Injection Time: 22:57
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	49
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.5 (1.6) 1
174	50.0 - 100.0% of mass 95	92.5
175	5.0 - 9.0% of mass 174	7.4 (8) 1
176	95.0 - 101.0% of mass 174	89.1 (96.2) 1
177	5.0 - 9.0% of mass 176	5.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN050584.D	08/13/2018	23:46
VSTDIC005	VSTDIC005	VN050585.D	08/14/2018	00:11
VSTDIC020	VSTDIC020	VN050586.D	08/14/2018	00:35
VSTDIC050	VSTDIC050	VN050587.D	08/14/2018	01:00
VSTDIC100	VSTDIC100	VN050588.D	08/14/2018	01:24
VSTDIC150	VSTDIC150	VN050589.D	08/14/2018	01:49



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG NO.: J4469
 Lab File ID: VN050591.D BFB Injection Date: 08/14/2018
 Instrument ID: MSVOA_N BFB Injection Time: 10:11
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	48.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.4 (0.4) 1
174	50.0 - 100.0% of mass 95	89.8
175	5.0 - 9.0% of mass 174	6.7 (7.5) 1
176	95.0 - 101.0% of mass 174	87.3 (97.2) 1
177	5.0 - 9.0% of mass 176	5.6 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN050592.D	08/14/2018	10:45
VN0814WBL01	VN0814WBL01	VN050593.D	08/14/2018	11:22
VN0814WBS01	VN0814WBS01	VN050595.D	08/14/2018	12:18
VN0814WBSD01	VN0814WBSD01	VN050600.D	08/14/2018	14:22
956-IW-13 (19)	J4469-01	VN050609.D	08/14/2018	18:04
957-IW-14 (17)	J4469-02	VN050610.D	08/14/2018	18:29
958-IW-15 (19)	J4469-03	VN050611.D	08/14/2018	18:53
959-IW-16 (19)	J4469-04	VN050612.D	08/14/2018	19:18
960-IW-21 (17)	J4469-05	VN050613.D	08/14/2018	19:43
961-IW-22 (17)	J4469-06	VN050614.D	08/14/2018	20:08



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG NO.: J4469
 Lab File ID: VN050638.D BFB Injection Date: 08/15/2018
 Instrument ID: MSVOA_N BFB Injection Time: 07:55
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 60.0% of mass 95	46.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.6 (1.8) 1
174	50.0 - 100.0% of mass 95	90.8
175	5.0 - 9.0% of mass 174	7.1 (7.8) 1
176	95.0 - 101.0% of mass 174	90 (99.1) 1
177	5.0 - 9.0% of mass 176	5.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN050639.D	08/15/2018	08:26
VN0815WBL01	VN0815WBL01	VN050640.D	08/15/2018	09:03
VN0815WBS01	VN0815WBS01	VN050642.D	08/15/2018	09:52
956-IW-13(19)DL	J4469-01DL	VN050644.D	08/15/2018	10:42
959-IW-16(19)DL	J4469-04DL	VN050645.D	08/15/2018	11:06

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG NO.: J4469
 Lab File ID: VN050592.D Date Analyzed: 08/14/2018
 Instrument ID: MSVOA_N Time Analyzed: 10:45
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	716280	7.67	991440	8.59	936403	11.41
UPPER LIMIT	1432560	8.167	1982880	9.087	1872810	11.906
LOWER LIMIT	358140	7.167	495720	8.087	468202	10.906
EPA SAMPLE NO.						
956-IW-13(19)	688391	7.67	1038805	8.59	917106	11.41
957-IW-14(17)	681240	7.67	1017192	8.59	842953	11.41
958-IW-15(19)	714105	7.67	1101270	8.59	940280	11.41
959-IW-16(19)	671357	7.67	1032265	8.59	914177	11.41
960-IW-21(17)	670176	7.67	1018571	8.59	878169	11.41
961-IW-22(17)	625342	7.67	990321	8.59	832026	11.41
VN0814WBL01	720282	7.67	1131077	8.59	923538	11.41
VN0814WBS01	715777	7.67	1041625	8.59	924848	11.41
VN0814WBSD01	592725	7.67	862794	8.59	775712	11.41

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG NO.: J4469
 Lab File ID: VN050592.D Date Analyzed: 08/14/2018
 Instrument ID: MSVOA_N Time Analyzed: 10:45
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	495420	13.342			
UPPER LIMIT	990840	13.842			
LOWER LIMIT	247710	12.842			
EPA SAMPLE NO.					
956-IW-13 (19)	352173	13.35			
957-IW-14 (17)	288434	13.35			
958-IW-15 (19)	337662	13.35			
959-IW-16 (19)	331010	13.35			
960-IW-21 (17)	298973	13.35			
961-IW-22 (17)	289192	13.35			
VN0814WBL01	313004	13.35			
VN0814WBS01	456013	13.34			
VN0814WBSD01	387079	13.35			

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG NO.: J4469
 Lab File ID: VN050639.D Date Analyzed: 08/15/2018
 Instrument ID: MSVOA_N Time Analyzed: 08:26
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	694246	7.67	958096	8.59	887834	11.41
UPPER LIMIT	1388490	8.17	1916190	9.09	1775670	11.91
LOWER LIMIT	347123	7.17	479048	8.09	443917	10.91
EPA SAMPLE NO.						
956-IW-13(19)DL	640130	7.67	986945	8.59	872121	11.41
959-IW-16(19)DL	618124	7.67	967861	8.59	895108	11.41
VN0815WBL01	724856	7.67	1117641	8.59	938860	11.41
VN0815WBS01	611914	7.67	888137	8.59	807676	11.41

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG NO.: J4469
 Lab File ID: VN050639.D Date Analyzed: 08/15/2018
 Instrument ID: MSVOA_N Time Analyzed: 08:26
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #			
12 HOUR STD	460297	13.34			
UPPER LIMIT	920594	13.84			
LOWER LIMIT	230149	12.84			
EPA SAMPLE NO.					
956-IW-13(19)DL	313757	13.35			
959-IW-16(19)DL	339382	13.35			
VN0815WBL01	330224	13.35			
VN0815WBS01	383366	13.34			

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

SAMPLE
DATA

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	956-IW-13(19)	SDG No.:	J4469
Lab Sample ID:	J4469-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050609.D	1		08/14/18 18:04	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1300	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.7		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		69 - 133		97%	SPK: 50
2037-26-5	Toluene-d8	46.2		65 - 126		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.9		58 - 135		80%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	688391	7.67				
540-36-3	1,4-Difluorobenzene	1038810	8.59				
3114-55-4	Chlorobenzene-d5	917106	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	352173	13.35				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	956-IW-13(19)	SDG No.:	J4469
Lab Sample ID:	J4469-01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050609.D	1		08/14/18 18:04	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050609.D
 Acq On : 14 Aug 2018 18:04
 Operator : MD\SY
 Sample : J4469-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 956-IW-13(19)

Quant Time: Aug 15 12:40:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	688391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1038805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	917106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	352173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	431307	49.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.42%	
35) Dibromofluoromethane	7.59	113	403724	48.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.36%	
50) Toluene-d8	10.09	98	1441603	46.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.38%	
62) 4-Bromofluorobenzene	12.40	95	411140	39.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.74%	

Target Compounds

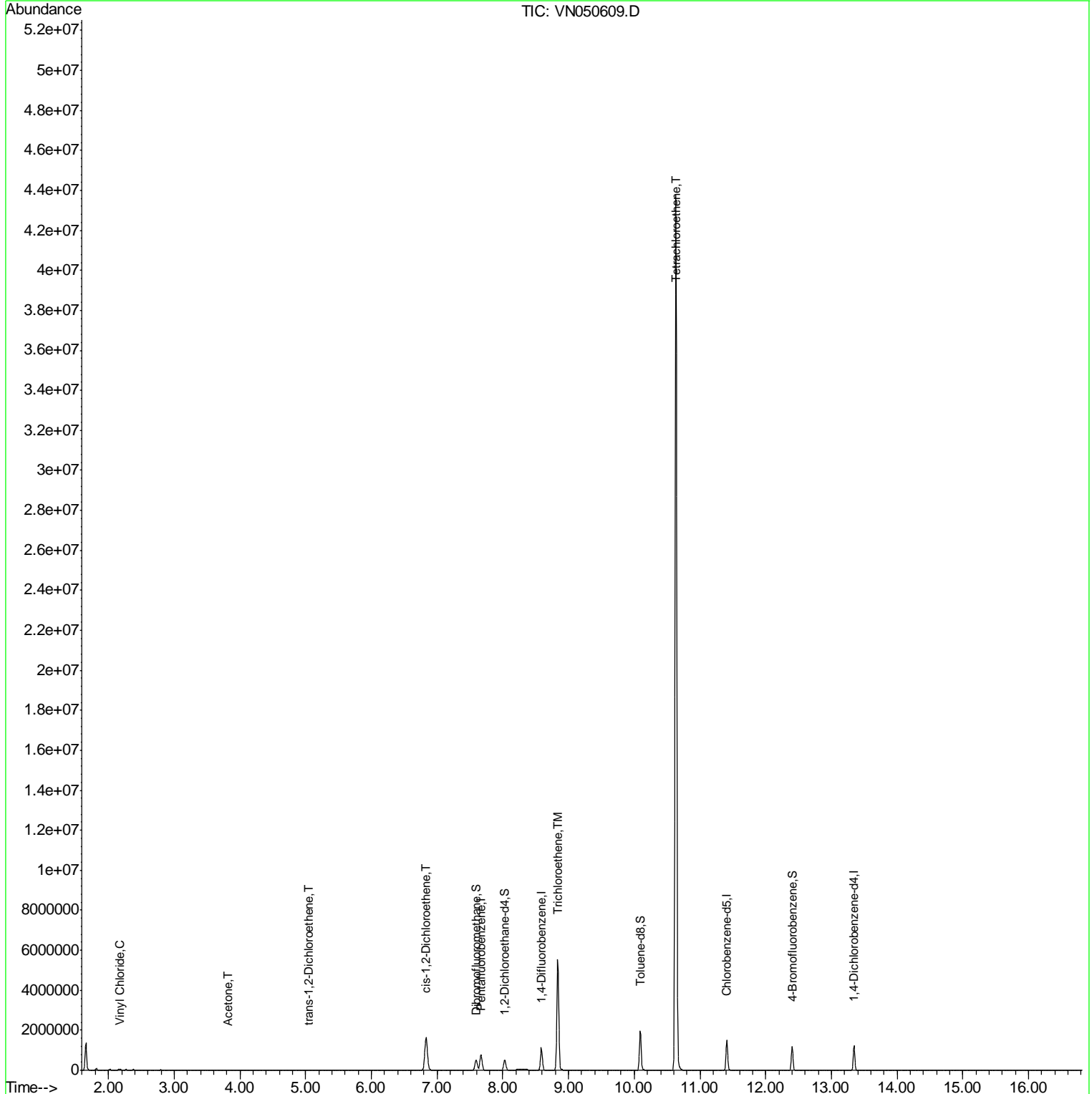
						Qvalue
4) Vinyl Chloride	2.18	62	6001	0.58	ug/l	96
16) Acetone	3.82	43	16869	6.37	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	14756	1.82	ug/l	90
27) cis-1,2-Dichloroethene	6.83	96	1139205	126.34	ug/l	92
44) Trichloroethene	8.84	130	2131186	226.16	ug/l	100
64) Tetrachloroethene	10.63	164	10697130	1255.97	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

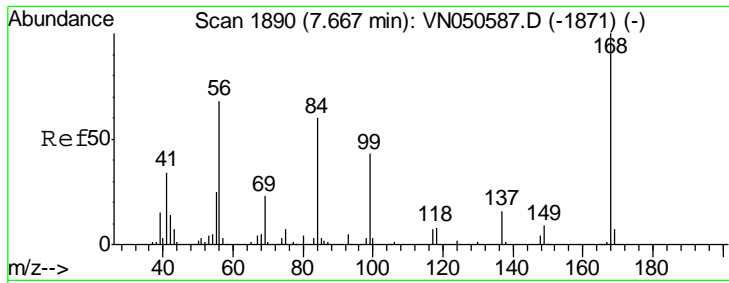
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050609.D
 Acq On : 14 Aug 2018 18:04
 Operator : MD\SY
 Sample : J4469-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 956-IW-13(19)

Quant Time: Aug 15 12:40:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



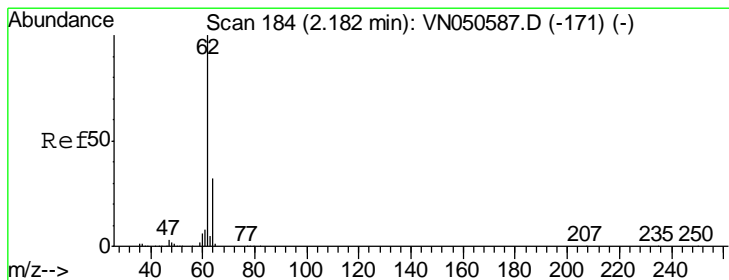
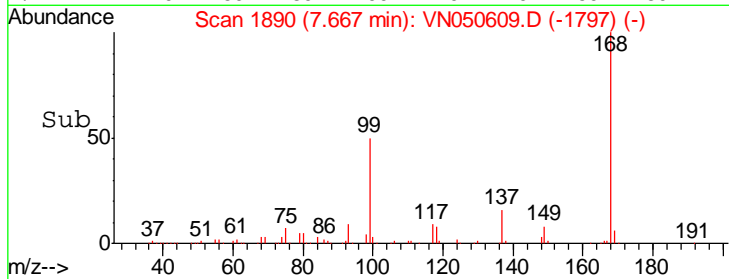
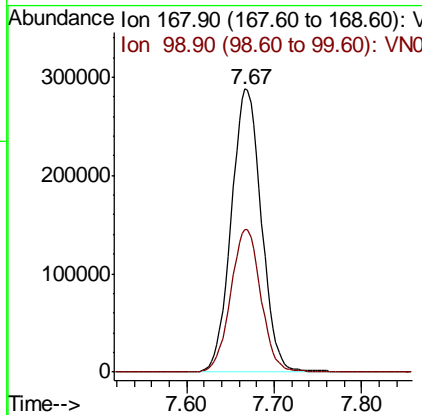
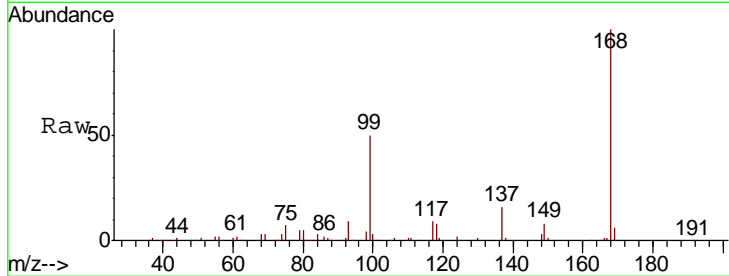
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

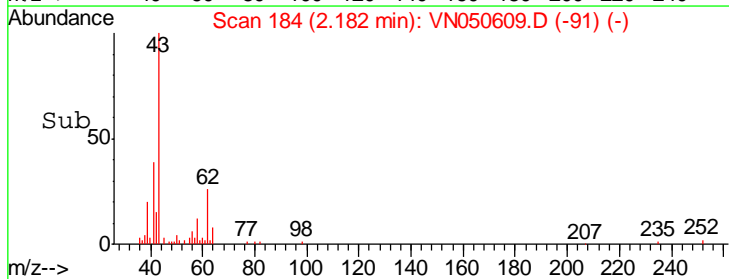
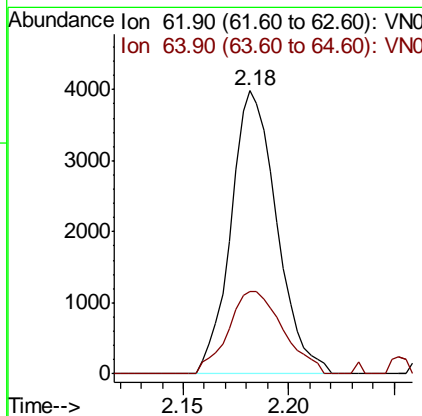
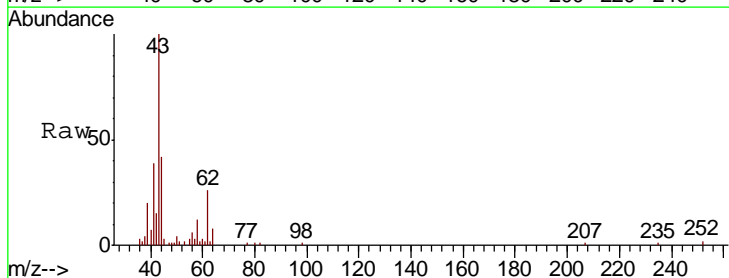
Instrument :
 MSVOA_N
 ClientSampleId :
 956-IW-13(19)

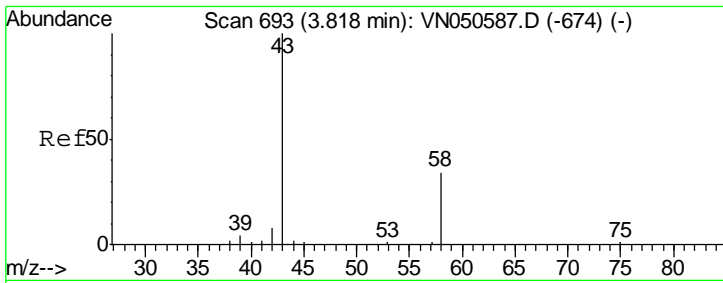
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.4	40.8	61.2



#4
 Vinyl Chloride
 Concen: 0.58 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

Tgt Ion	Resp	Lower	Upper
62	100		
64	29.3	25.2	37.8



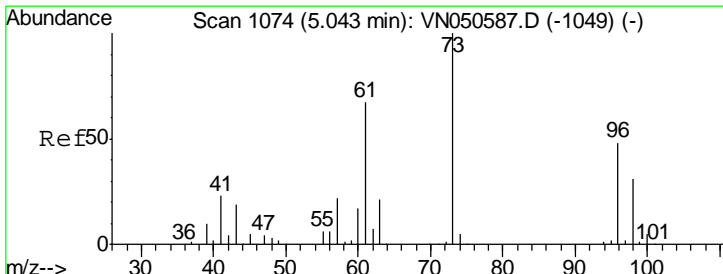
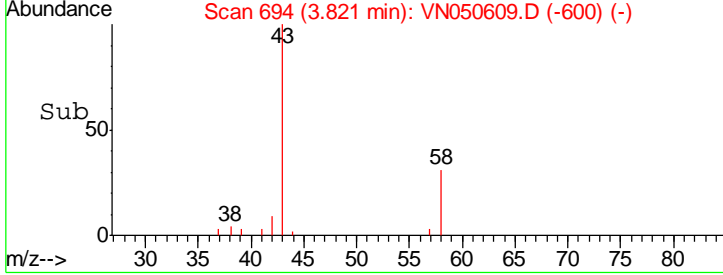
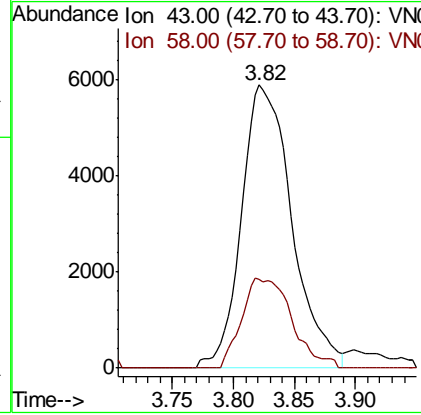
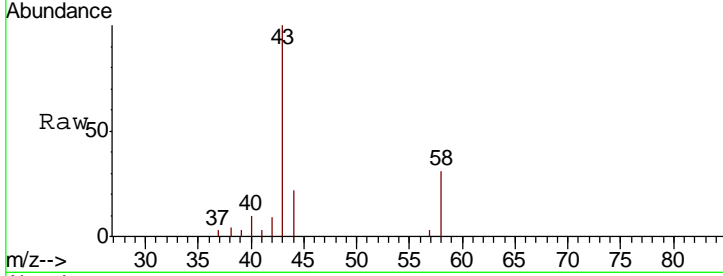


#16
 Acetone
 Concen: 6.37 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

Instrument : MSVOA_N
 ClientSampled : 956-IW-13(19)

Tot Ion: 43 Resp: 16869

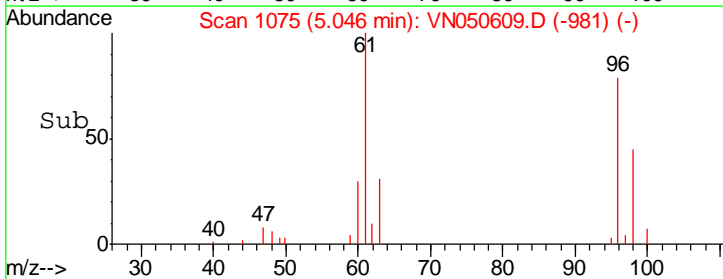
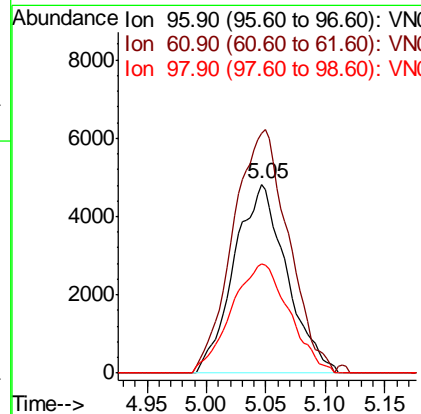
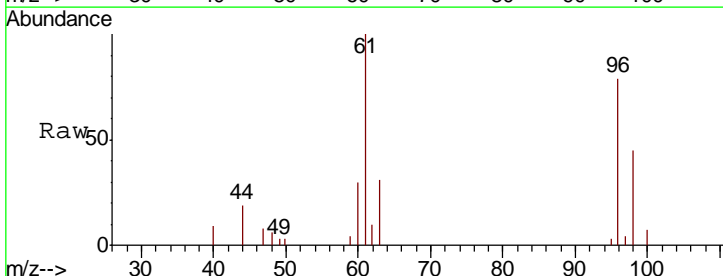
Ion	Ratio	Lower	Upper
43	100		
58	31.5	27.1	40.7

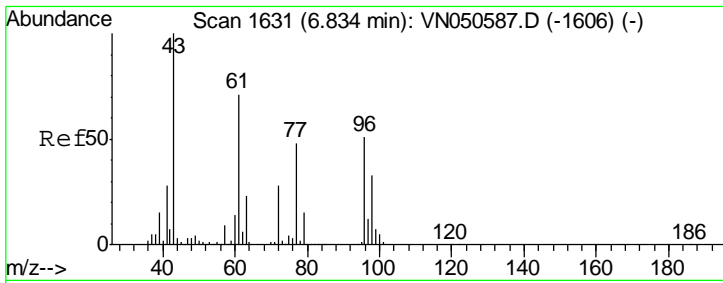


#21
 trans-1,2-Dichloroethene
 Concen: 1.82 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

Tgt Ion: 96 Resp: 14756

Ion	Ratio	Lower	Upper
96	100		
61	127.0	111.2	166.8
98	57.5	51.6	77.4



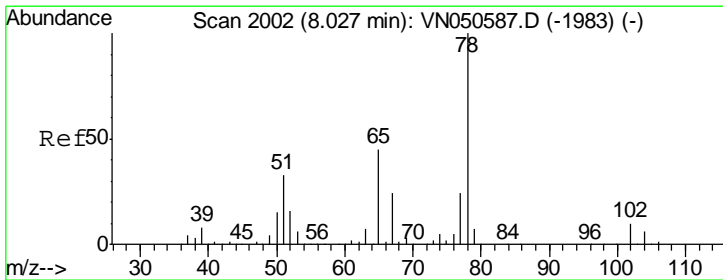
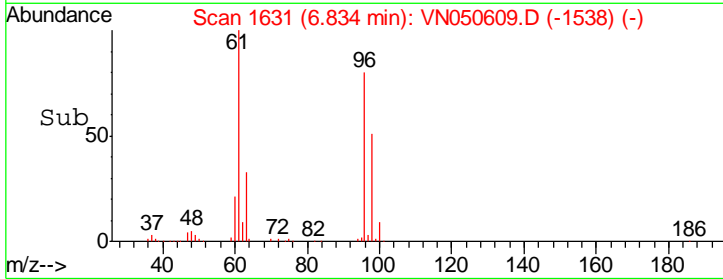
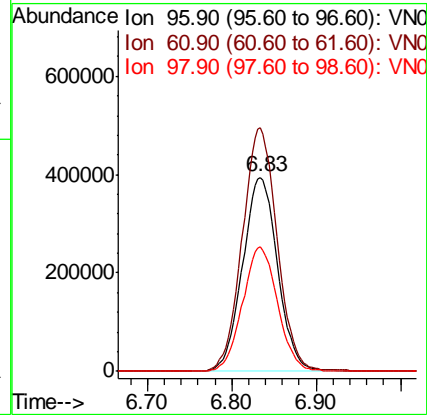
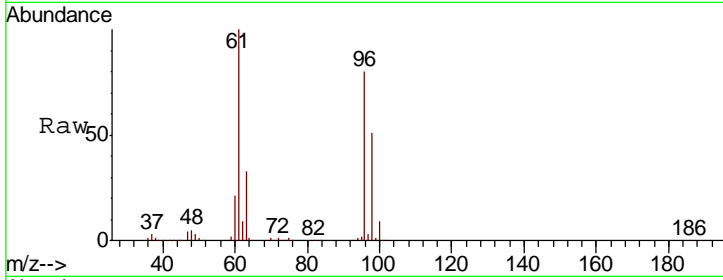


#27
 cis-1,2-Dichloroethene
 Concen: 126.34 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

Instrument : MSVOA_N
 ClientSampled : 956-IW-13(19)

Tgt Ion: 96 Resp: 1139205

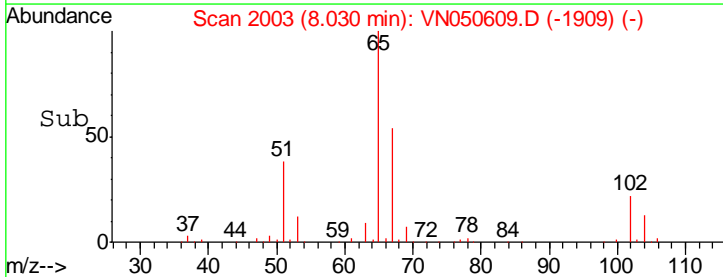
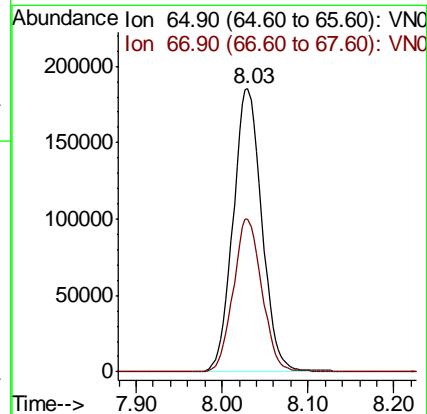
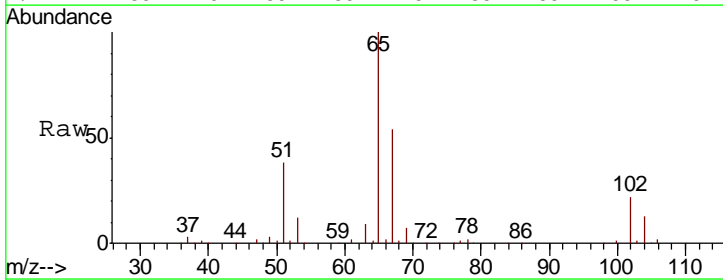
Ion	Ratio	Lower	Upper
96	100		
61	125.1	0.0	278.2
98	64.4	0.0	128.8

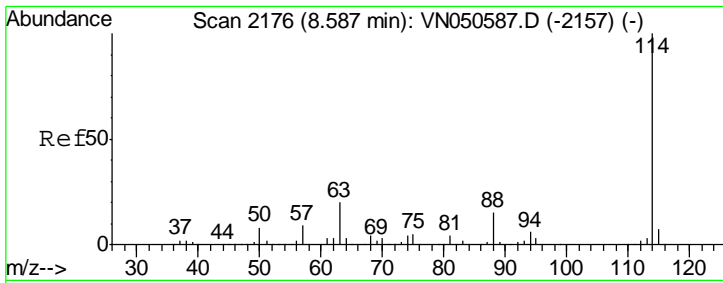


#33
 1,2-Dichloroethane-d4
 Concen: 49.71 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

Tgt Ion: 65 Resp: 431307

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	109.8

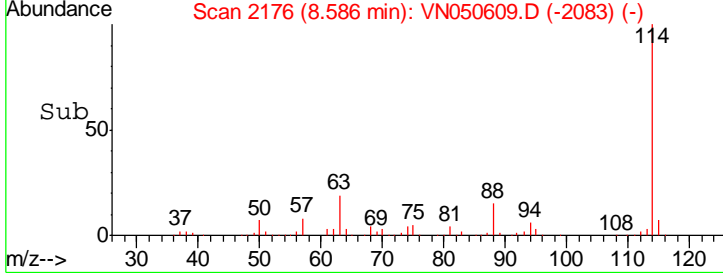
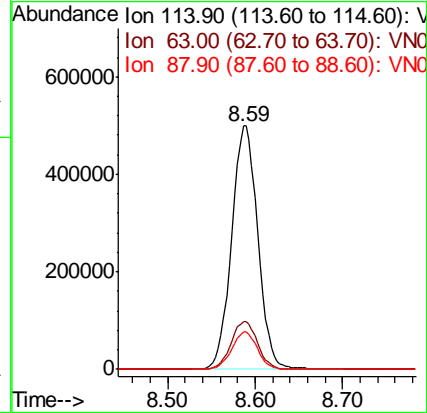
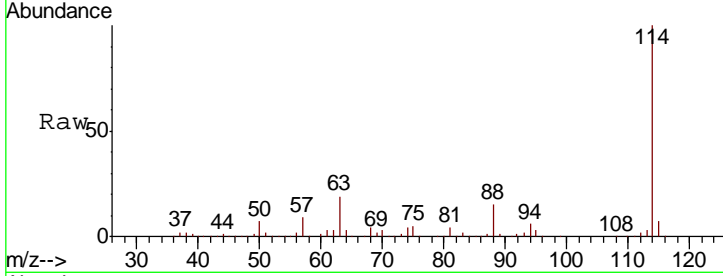




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

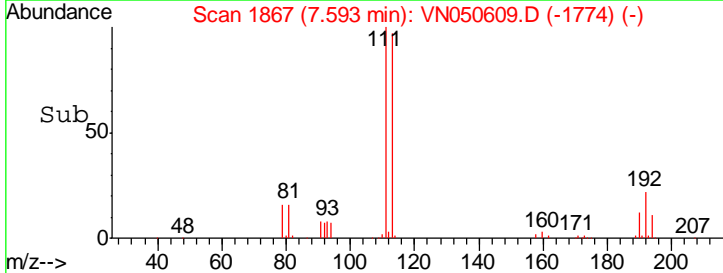
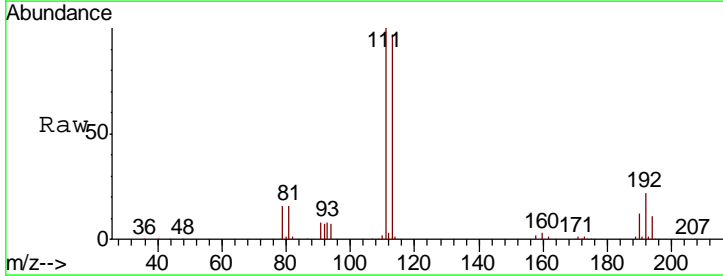
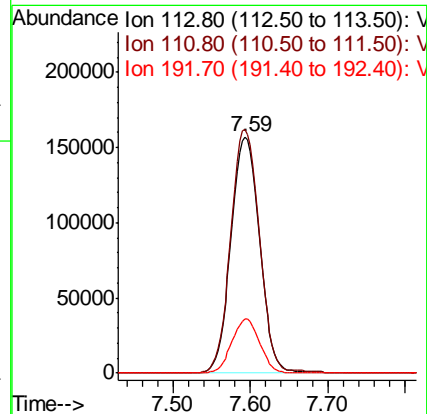
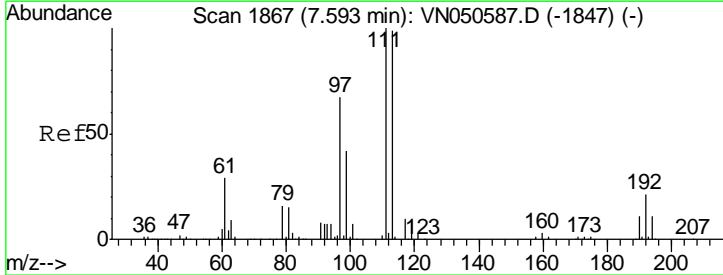
Instrument : MSVOA_N
 ClientSampled : 956-IW-13(19)

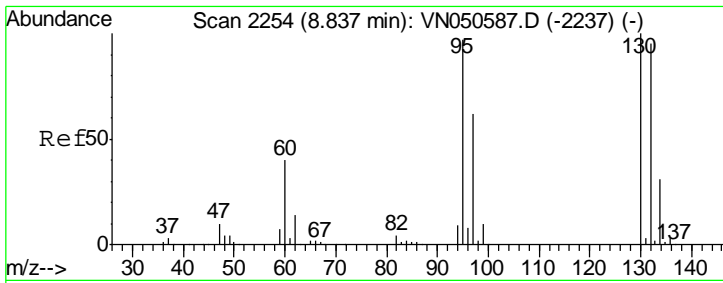
Tgt Ion	Resp	Lower	Upper
114	1038805		
63	19.5	0.0	40.0
88	15.5	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 48.68 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

Tgt Ion	Resp	Lower	Upper
113	403724		
111	103.4	81.0	121.6
192	22.4	17.6	26.4



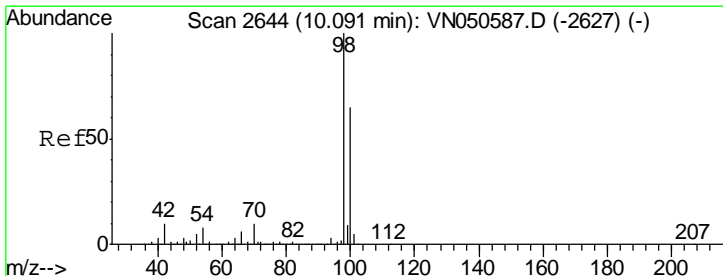
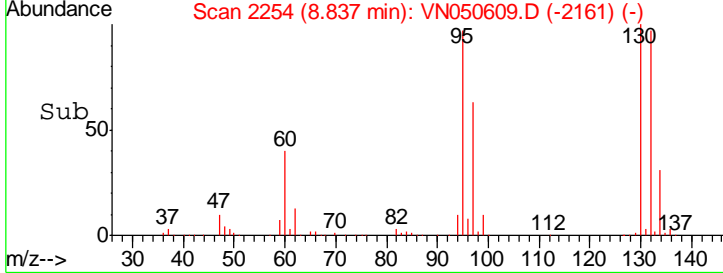
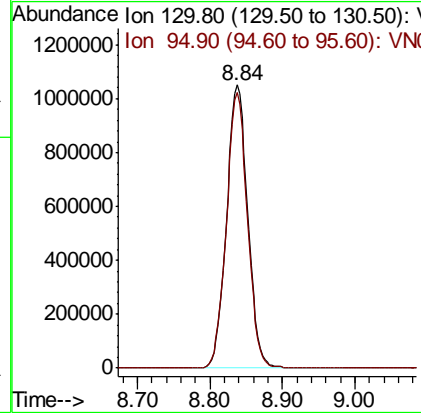
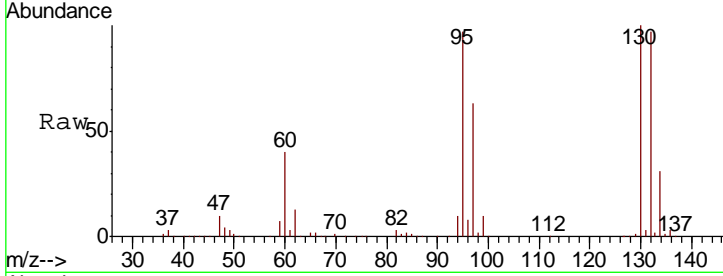


#44
 Trichloroethene
 Concen: 226.16 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

Instrument : MSVOA_N
 ClientSampleId : 956-IW-13(19)

Tgt Ion: 130 Resp: 2131186

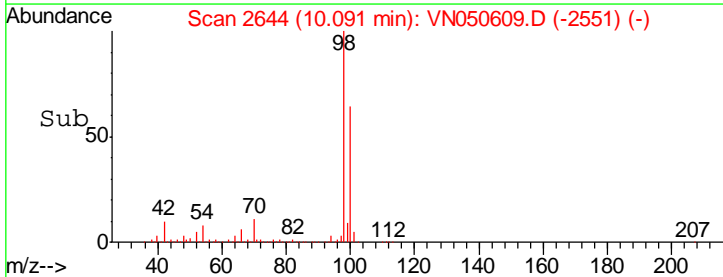
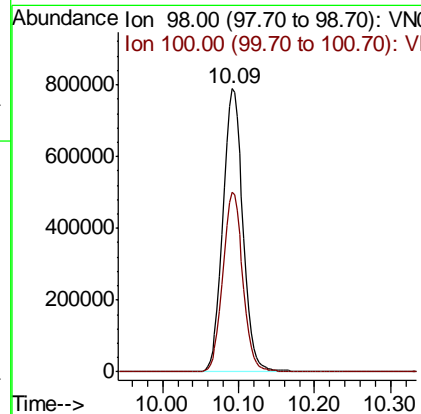
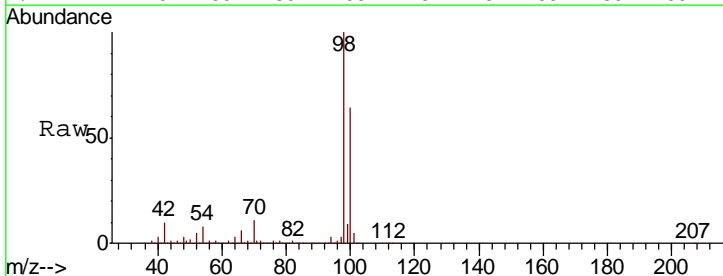
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	193.8

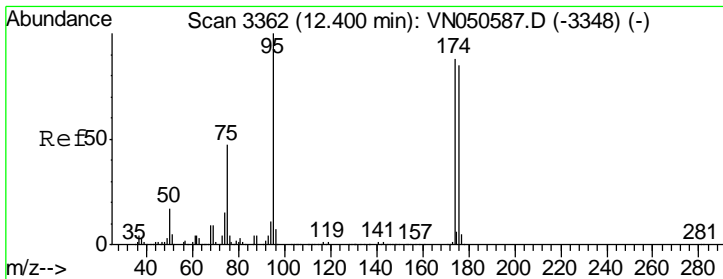


#50
 Toluene-d8
 Concen: 46.19 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

Tgt Ion: 98 Resp: 1441603

Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.8	77.8

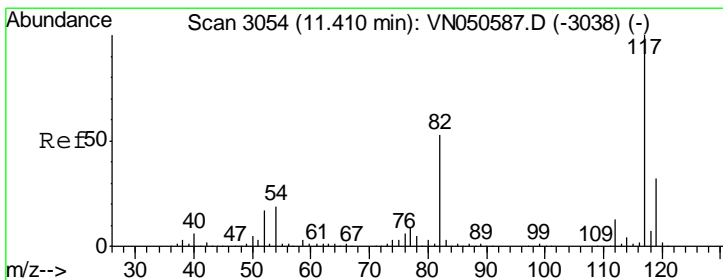
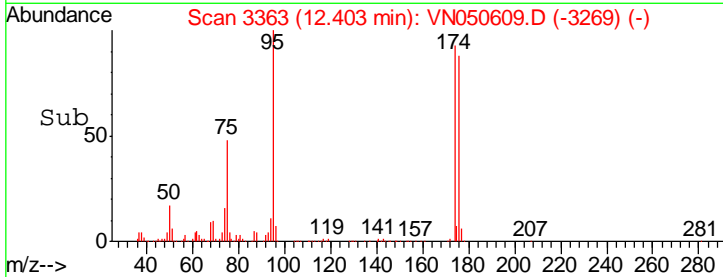
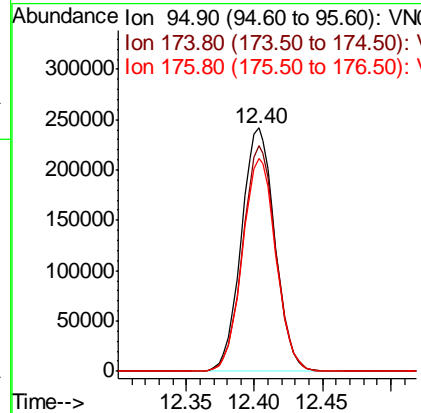
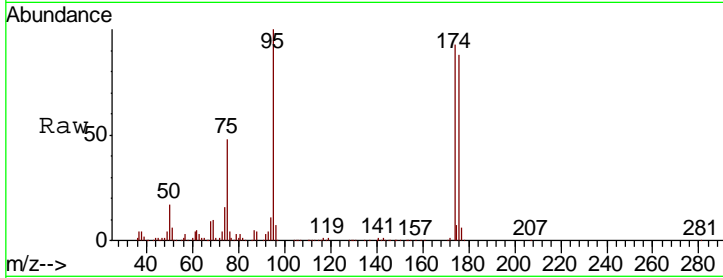




#62
 4-Bromofluorobenzene
 Concen: 39.87 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

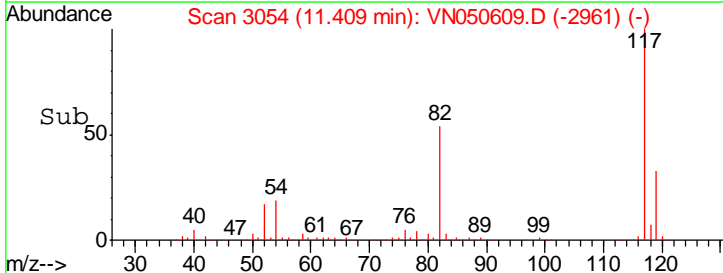
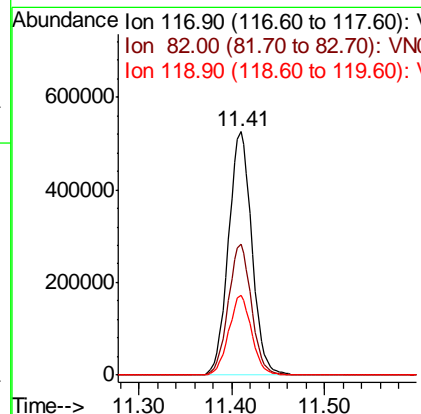
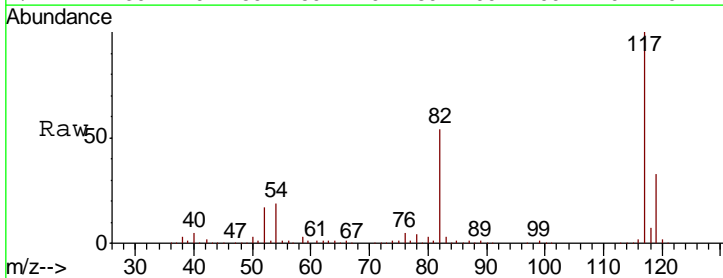
Instrument : MSVOA_N
 ClientSampled : 956-IW-13(19)

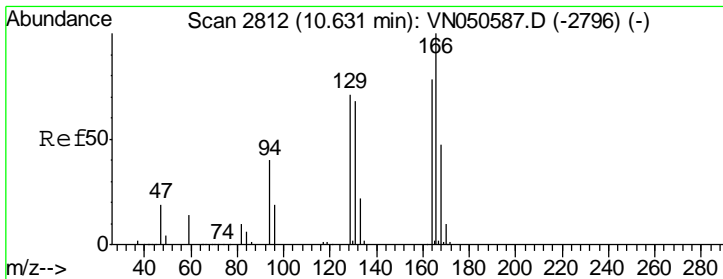
Tgt Ion	Resp	Lower	Upper
95	411140		
174	91.8	0.0	177.8
176	87.8	0.0	175.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

Tgt Ion	Resp	Lower	Upper
117	917106		
82	53.6	42.4	63.6
119	32.7	25.8	38.8



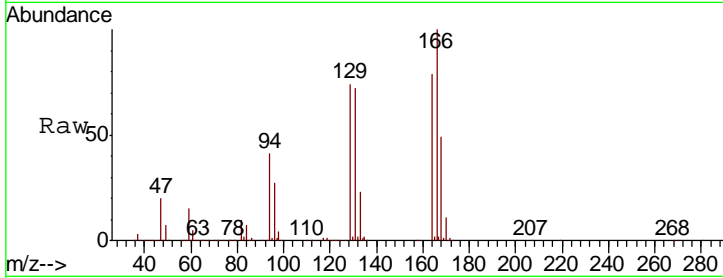


#64
 Tetrachloroethene
 Concen: 1255.97 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

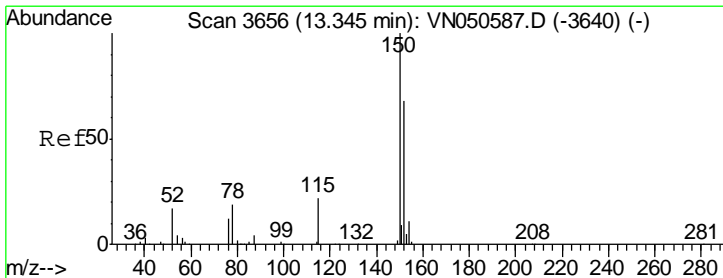
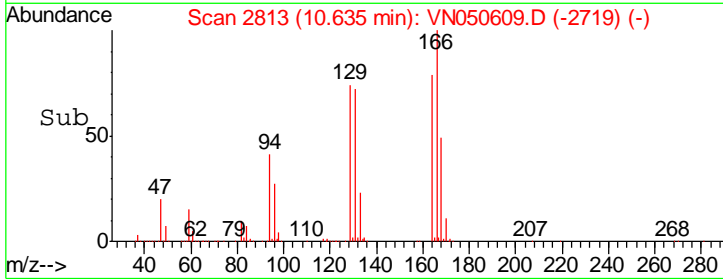
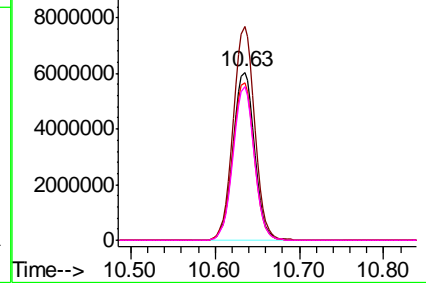
Instrument : MSVOA_N
 ClientSampled : 956-IW-13(19)

Tgt Ion:164 Resp:10697130

Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.1	153.1
129	93.9	72.7	109.1
131	91.1	69.9	104.9



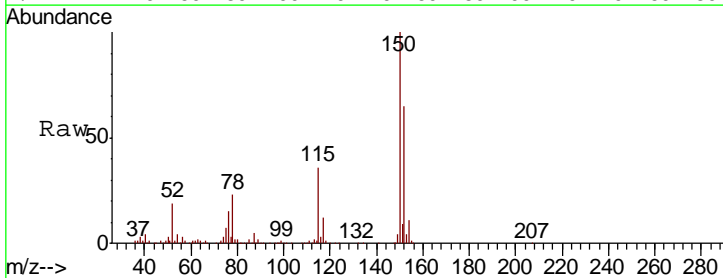
Abundance Ion 163.80 (163.50 to 164.50): V
 1.2e+07 Ion 165.80 (165.50 to 166.50): V
 1e+07 Ion 128.80 (128.50 to 129.50): V
 Ion 130.80 (130.50 to 131.50): V



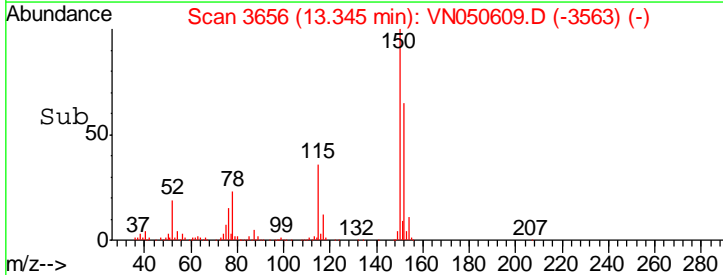
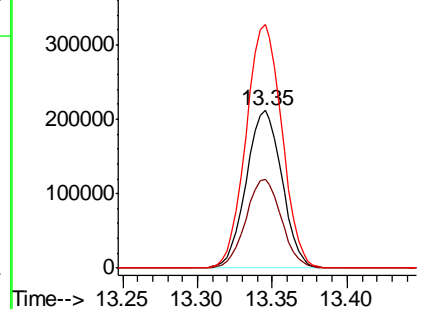
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050609.D
 Acq: 14 Aug 2018 18:04

Tgt Ion:152 Resp: 352173

Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.1	84.2
150	155.6	0.0	347.8



Abundance Ion 151.90 (151.60 to 152.60): V
 400000 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050609.D
 Acq On : 14 Aug 2018 18:04
 Operator : MD\SY
 Sample : J4469-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 956-IW-13(19)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.657	3	21	41	rBV	1360618	2240520	2.90%	1.988%
2	6.834	1607	1631	1674	rBV	1643916	4765636	6.17%	4.229%
3	7.593	1841	1867	1878	rBV2	521133	1310697	1.70%	1.163%
4	7.667	1879	1890	1930	rVB	788748	1889807	2.45%	1.677%
5	8.030	1984	2003	2035	rBV	521019	1227642	1.59%	1.089%
6	8.586	2160	2176	2199	rBV	1123185	2324602	3.01%	2.063%
7	8.837	2235	2254	2296	rBV	5563518	11322945	14.67%	10.048%
8	10.091	2629	2644	2676	rBV	1993917	3686337	4.77%	3.271%
9	10.635	2795	2813	2853	rBV	43765391	77207590	100.00%	68.512%
10	11.409	3039	3054	3080	rBV	1504606	2641798	3.42%	2.344%
11	12.403	3347	3363	3384	rBV	1204065	2047070	2.65%	1.817%
12	13.345	3642	3656	3674	rBV	1213931	2027112	2.63%	1.799%

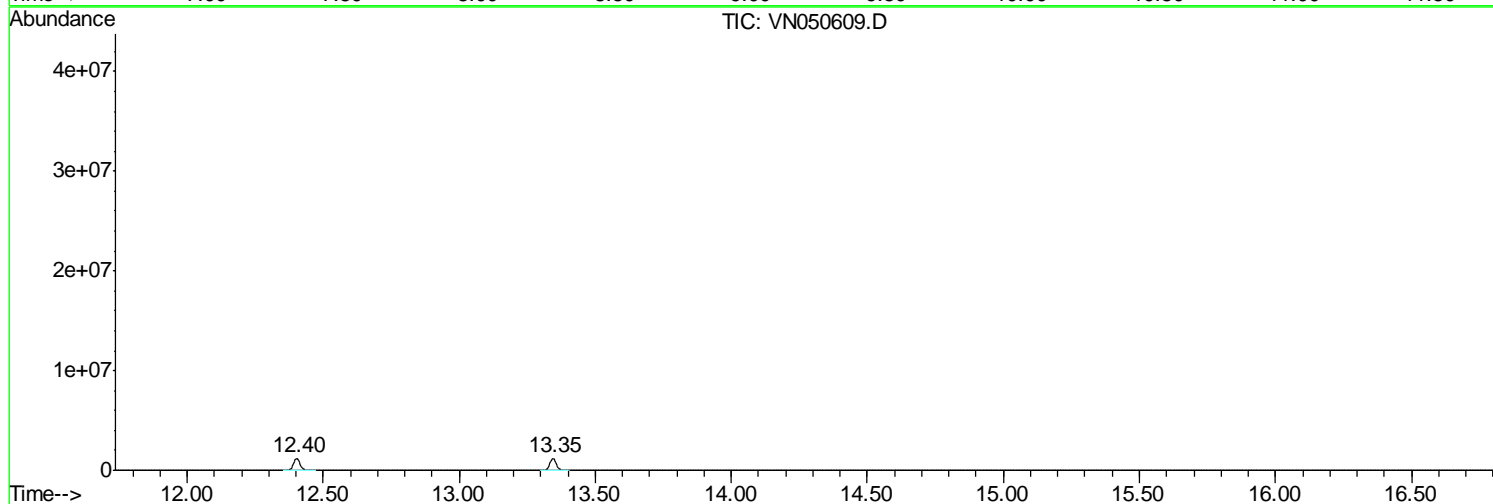
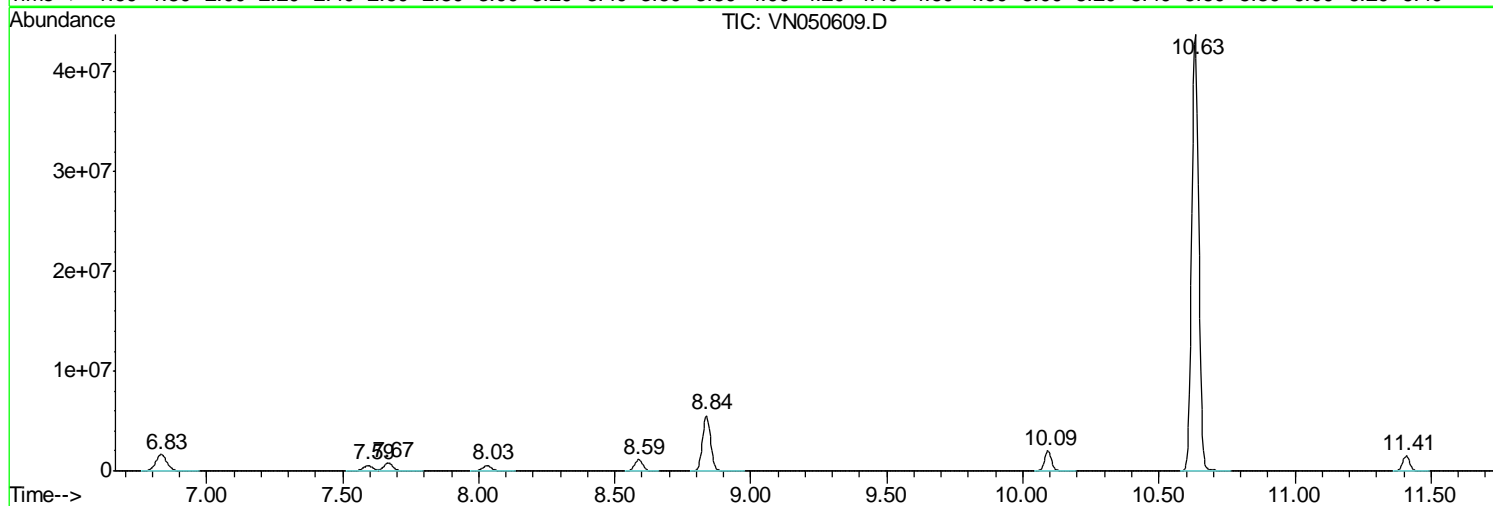
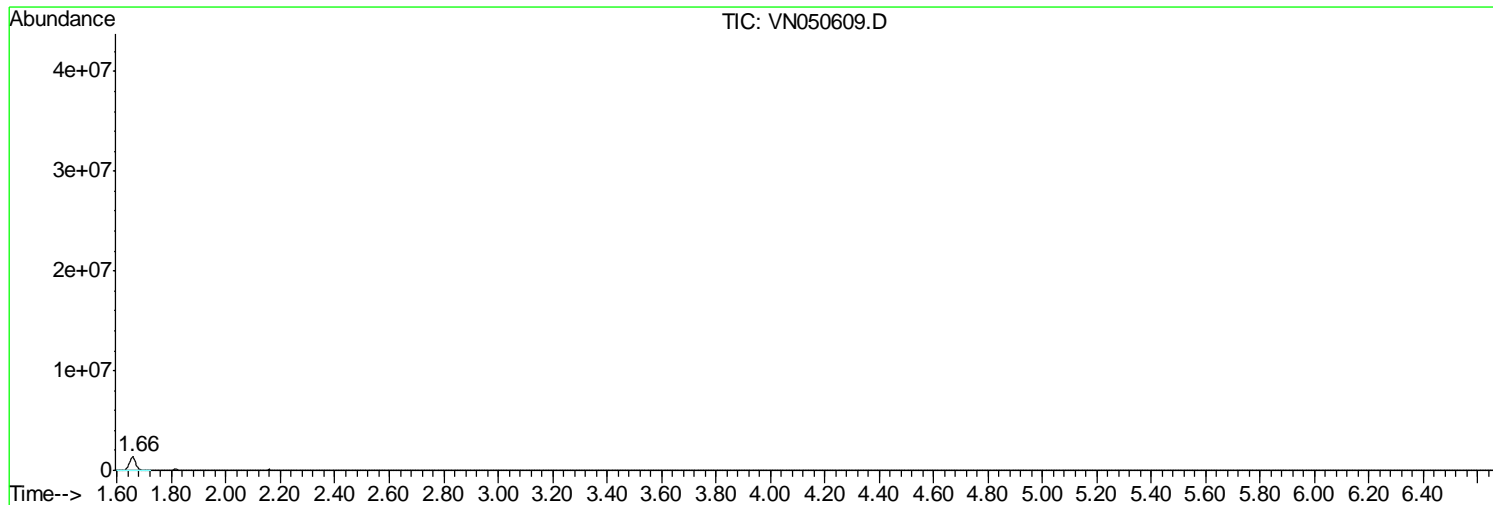
Sum of corrected areas: 112691756

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050609.D
Acq On : 14 Aug 2018 18:04
Operator : MD\SY
Sample : J4469-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
956-IW-13(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050609.D
Acq On : 14 Aug 2018 18:04
Operator : MD\SY
Sample : J4469-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
956-IW-13(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050609.D
 Acq On : 14 Aug 2018 18:04
 Operator : MD\SY
 Sample : J4469-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 956-IW-13(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	956-IW-13(19)DL	SDG No.:	J4469
Lab Sample ID:	J4469-01DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050644.D	20		08/15/18 10:42	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050644.D
 Acq On : 15 Aug 2018 10:42
 Operator : MD\SY
 Sample : J4469-01DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 956-IW-13(19)DL

Quant Time: Aug 16 13:38:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

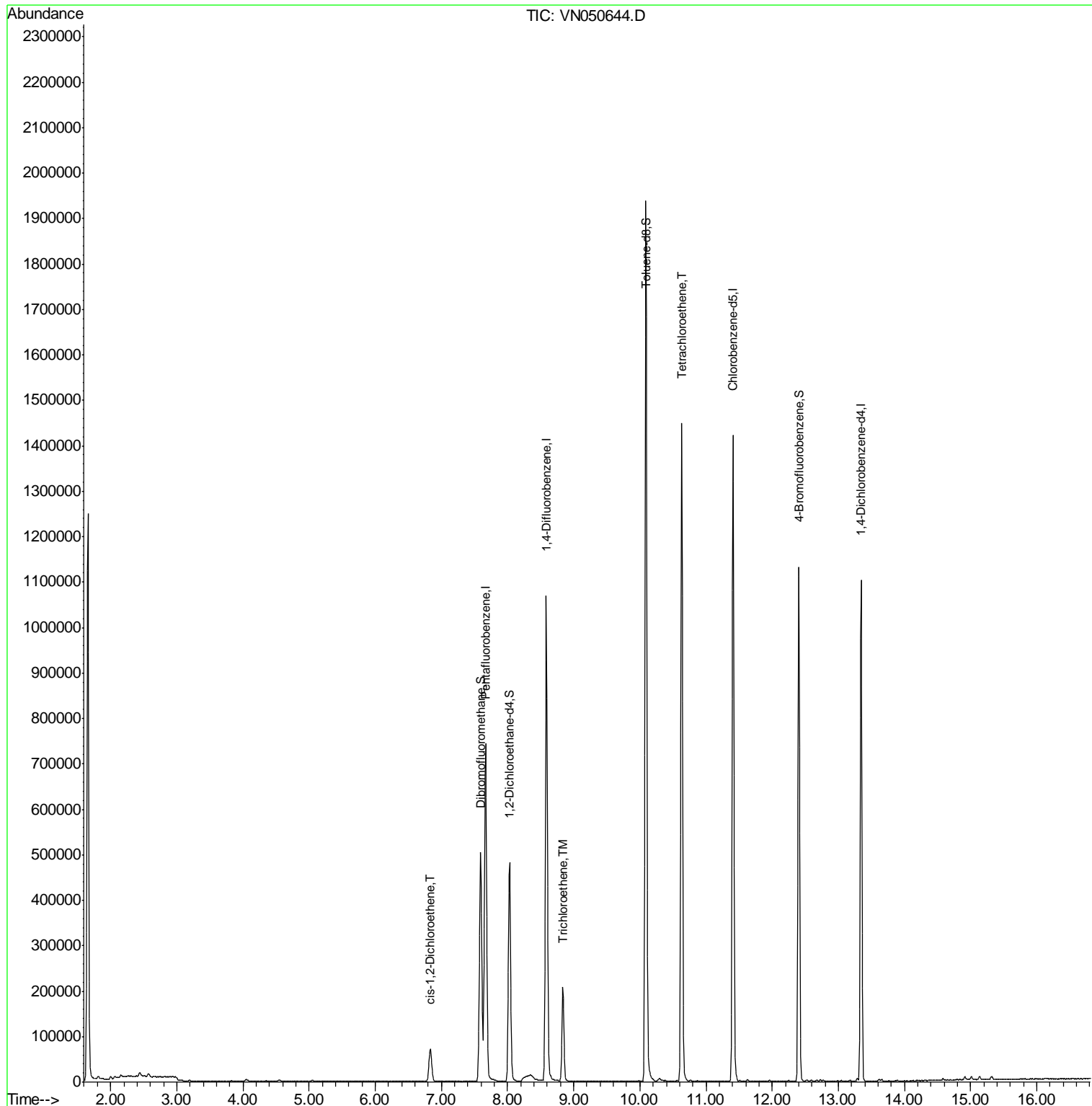
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	640130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	986945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	872121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	313757	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	412125	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.59	113	387357	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.09	98	1411382	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	387303	39.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.06%	
Target Compounds						
27) cis-1,2-Dichloroethene	6.83	96	48736	5.81	ug/l	89
44) Trichloroethene	8.84	130	79938	8.93	ug/l	99
64) Tetrachloroethene	10.63	164	364519	45.01	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

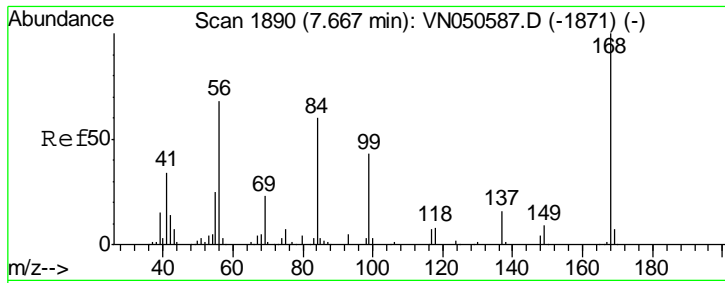
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050644.D
 Acq On : 15 Aug 2018 10:42
 Operator : MD\SY
 Sample : J4469-01DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 956-IW-13(19)DL

Quant Time: Aug 16 13:38:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



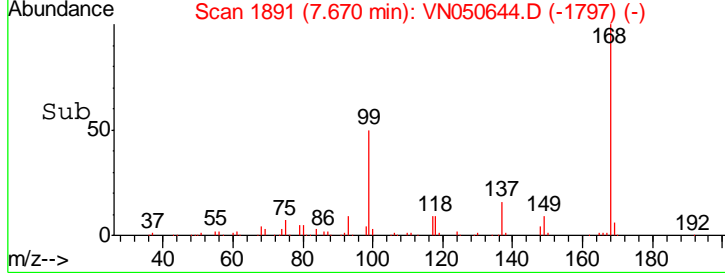
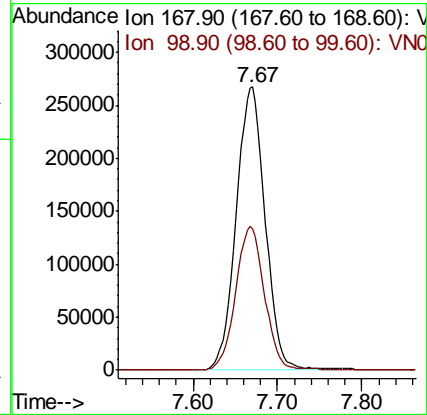
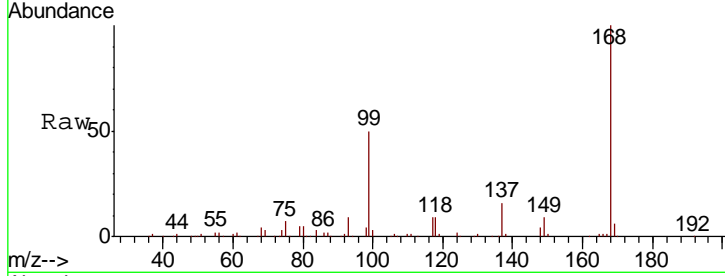
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050644.D
 Acq: 15 Aug 2018 10:42

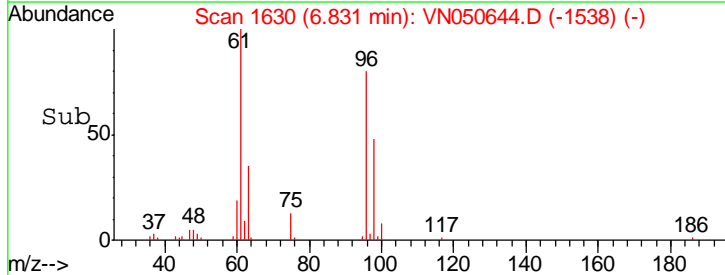
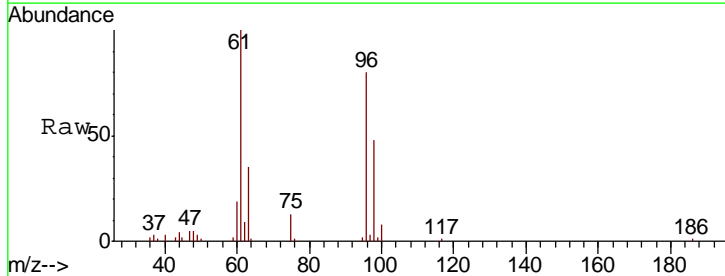
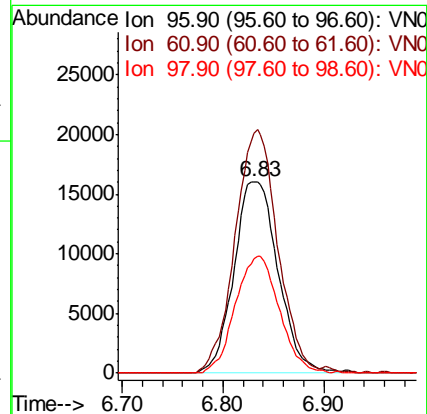
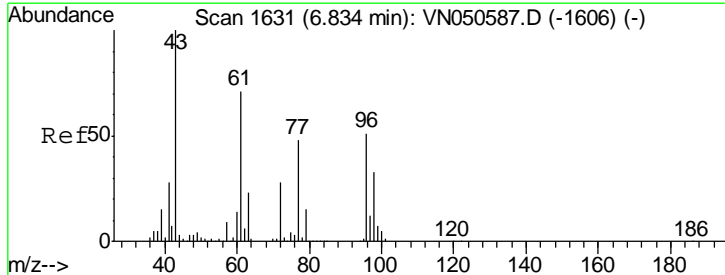
Instrument : MSVOA_N
 ClientSampleId : 956-IW-13(19)DL

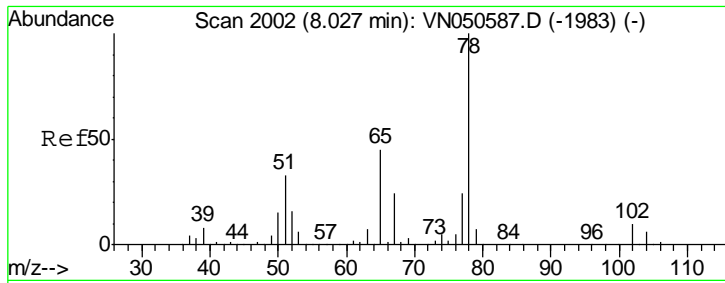
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.0	40.8	61.2



#27
 cis-1,2-Dichloroethene
 Concen: 5.81 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050644.D
 Acq: 15 Aug 2018 10:42

Tgt Ion	Resp	Lower	Upper
96	100		
61	122.5	0.0	278.2
98	60.6	0.0	128.8

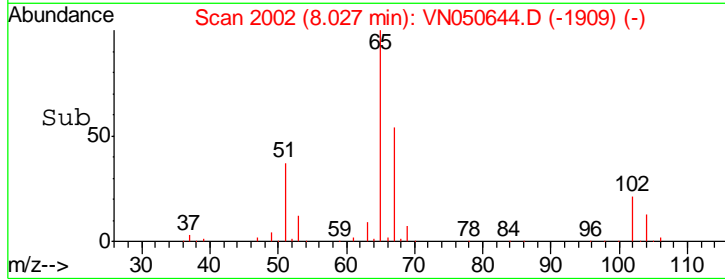
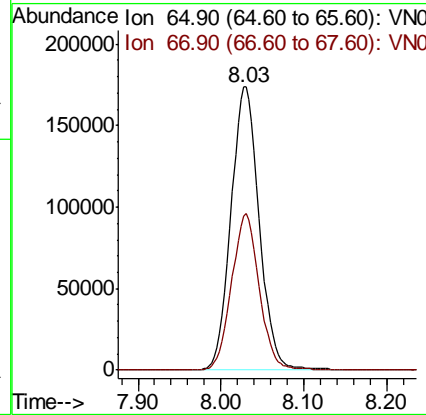
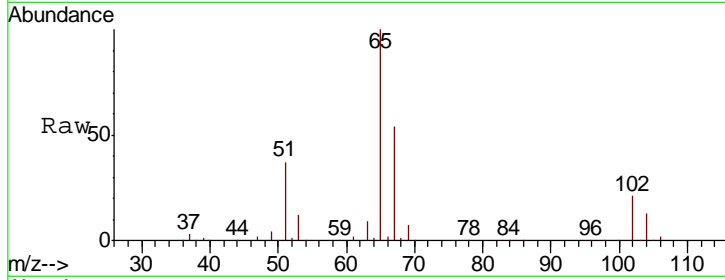




#33
 1,2-Dichloroethane-d4
 Concen: 51.08 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050644.D
 Acq: 15 Aug 2018 10:42

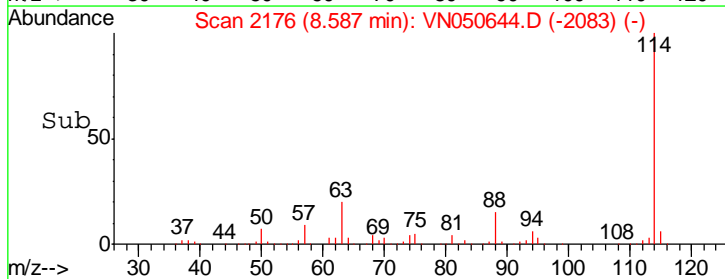
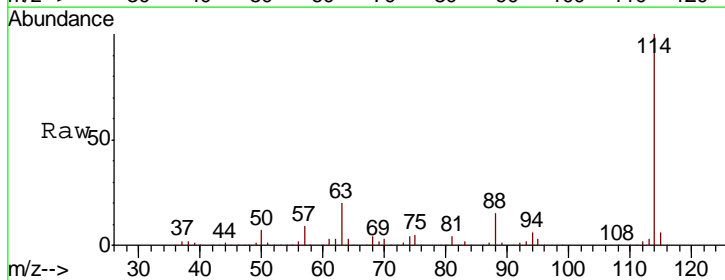
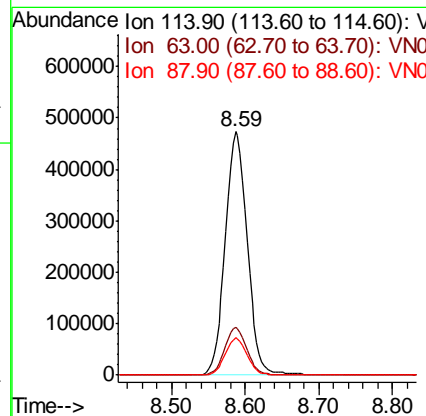
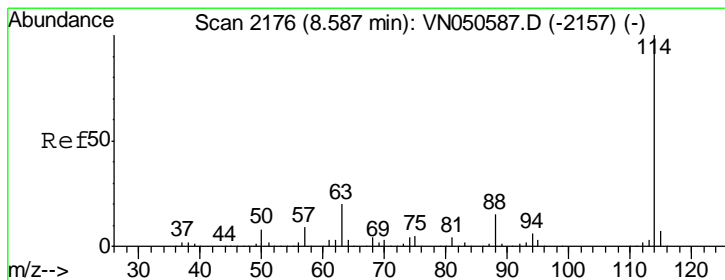
Instrument : MSVOA_N
 ClientSampleId : 956-IW-13(19)DL

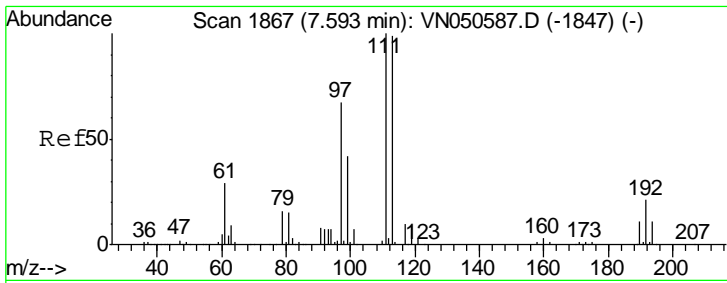
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.3	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050644.D
 Acq: 15 Aug 2018 10:42

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	15.3	0.0	30.8

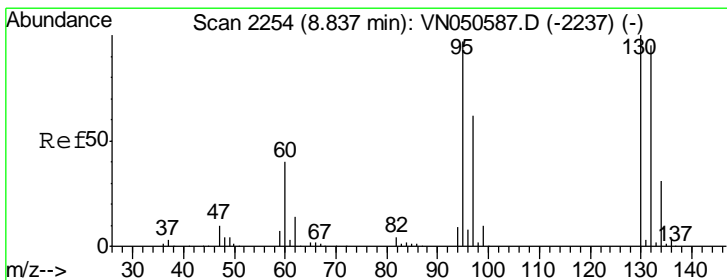
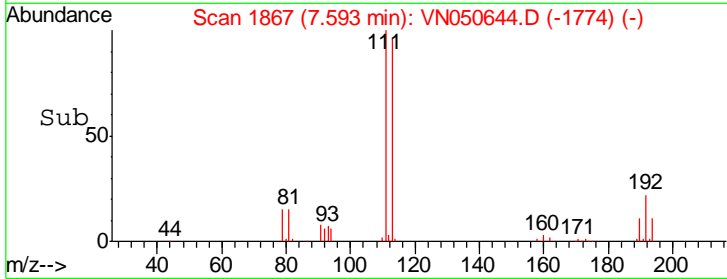
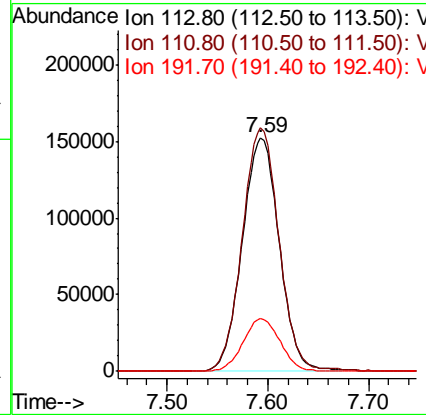
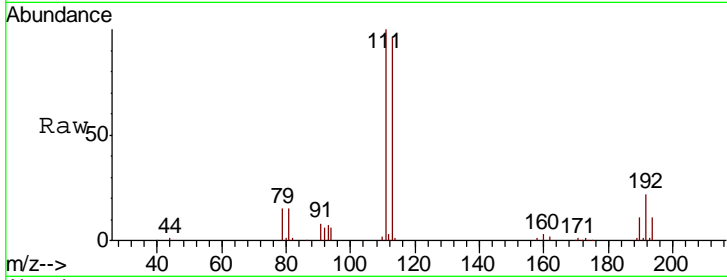




#35
 Dibromofluoromethane
 Concen: 49.16 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050644.D
 Acq: 15 Aug 2018 10:42

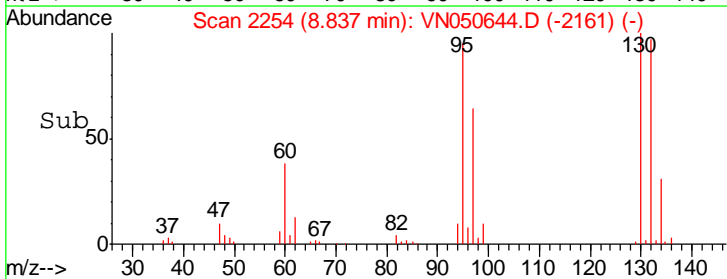
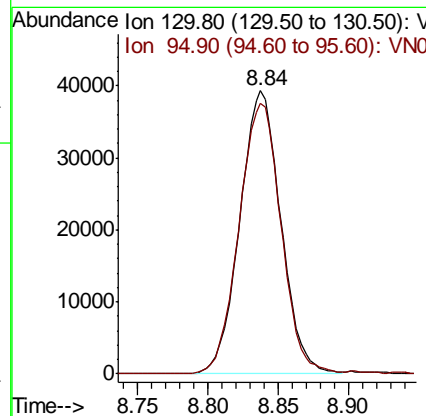
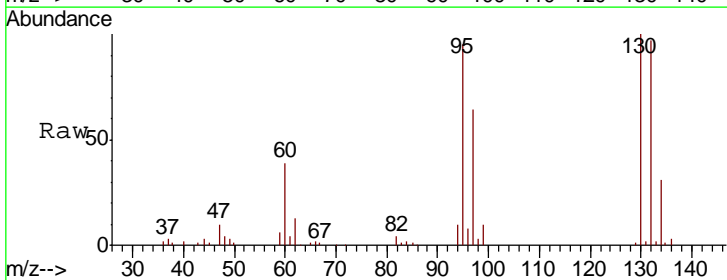
Instrument :
 MSVOA_N
 ClientSampled :
 956-IW-13(19)DL

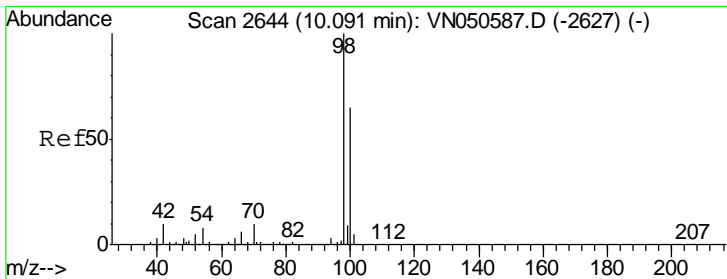
Tgt Ion	Resp	Lower	Upper
113	100		
111	103.0	81.0	121.6
192	22.6	17.6	26.4



#44
 Trichloroethene
 Concen: 8.93 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050644.D
 Acq: 15 Aug 2018 10:42

Tgt Ion	Resp	Lower	Upper
130	100		
95	95.4	0.0	193.8



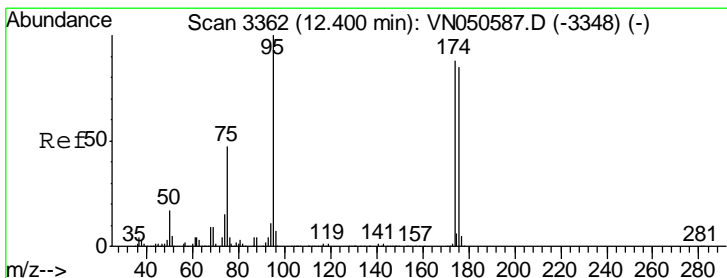
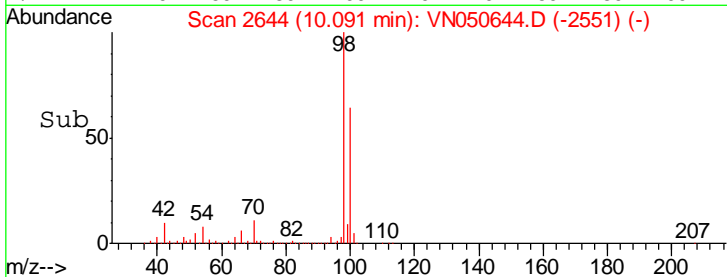
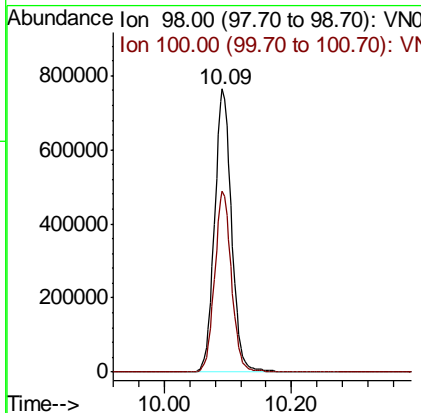
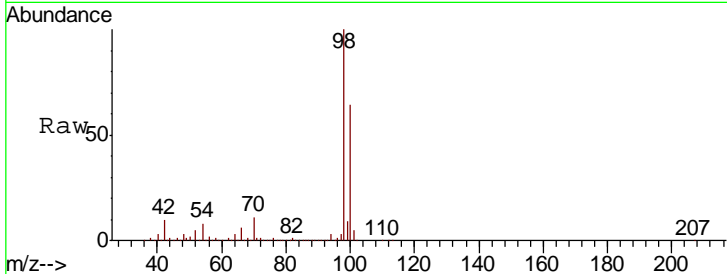


#50
 Toluene-d8
 Concen: 47.59 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050644.D
 Acq: 15 Aug 2018 10:42

Instrument : MSVOA_N
 ClientSampled : 956-IW-13(19)DL

Tgt Ion: 98 Resp: 1411382

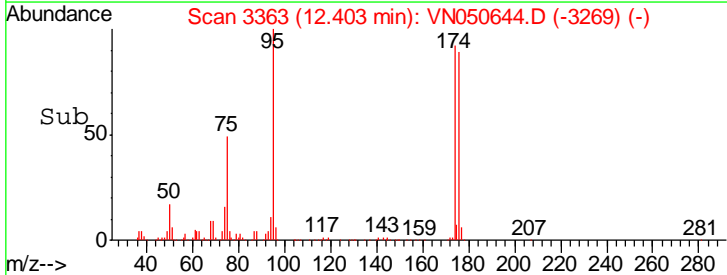
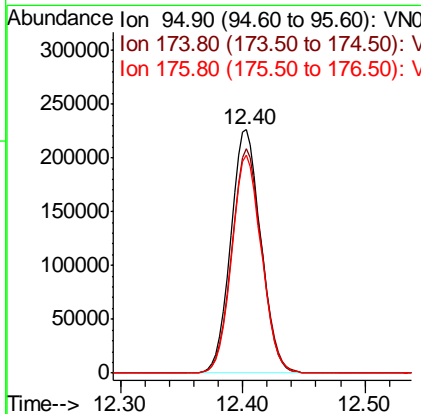
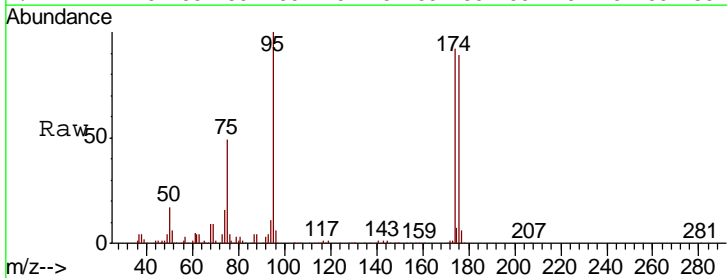
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.8	77.8

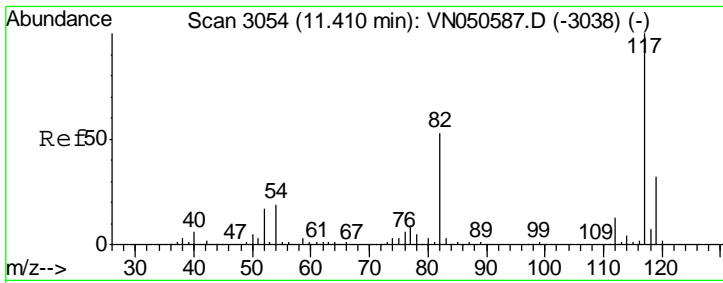


#62
 4-Bromofluorobenzene
 Concen: 39.53 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050644.D
 Acq: 15 Aug 2018 10:42

Tgt Ion: 95 Resp: 387303

Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	177.8
176	88.3	0.0	175.0

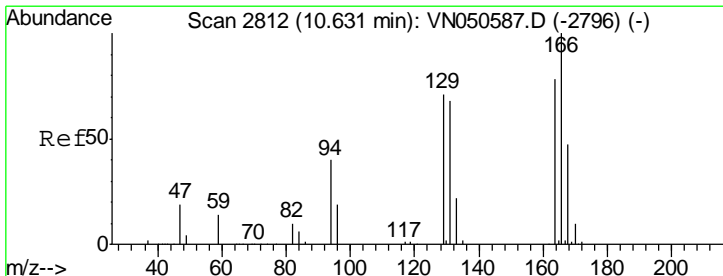
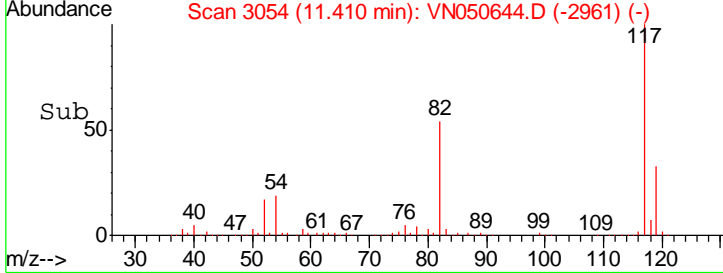
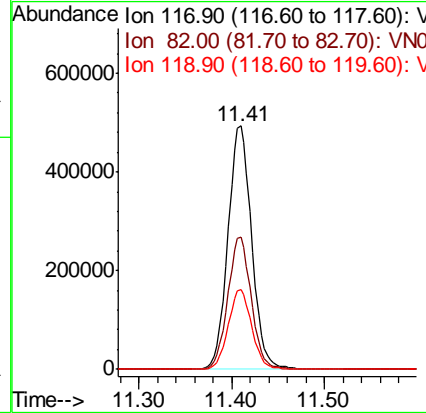
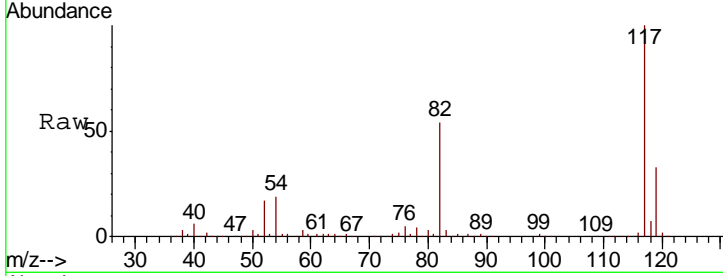




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050644.D
 Acq: 15 Aug 2018 10:42

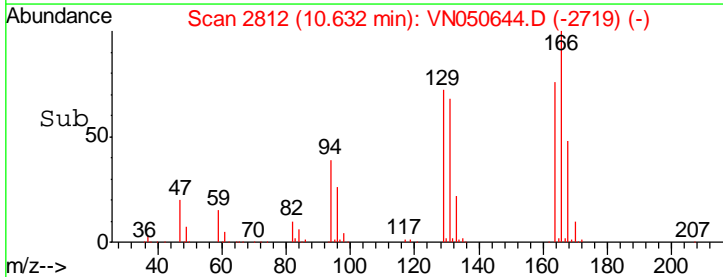
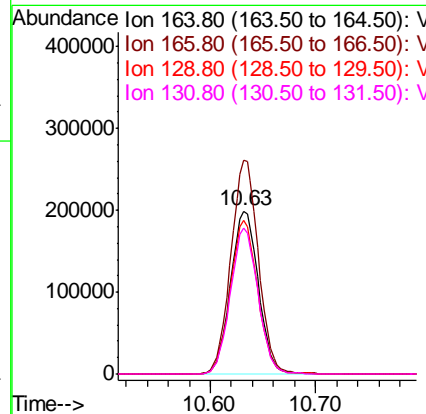
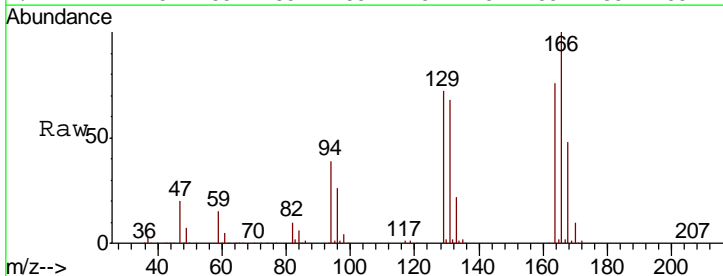
Instrument : MSVOA_N
 ClientSampled : 956-IW-13(19)DL

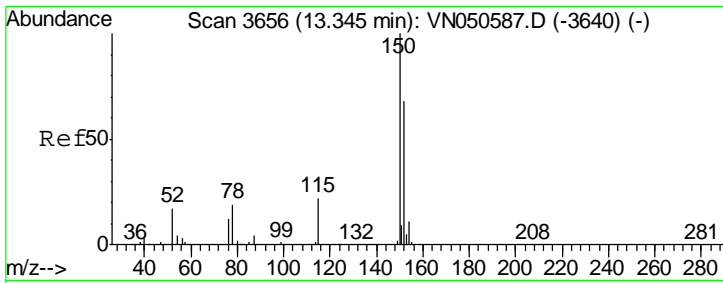
Tgt Ion	Resp	Lower	Upper
117	872121		
82	54.1	42.4	63.6
119	33.0	25.8	38.8



#64
 Tetrachloroethene
 Concen: 45.01 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050644.D
 Acq: 15 Aug 2018 10:42

Tgt Ion	Resp	Lower	Upper
164	364519		
166	130.9	102.1	153.1
129	94.0	72.7	109.1
131	89.2	69.9	104.9

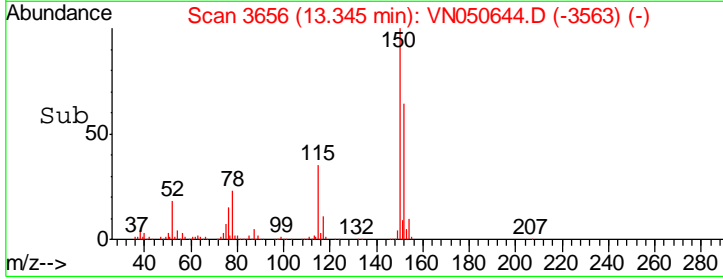
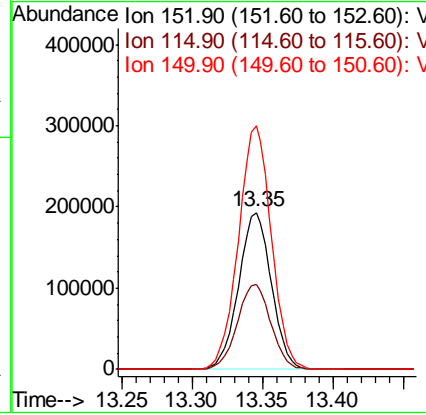
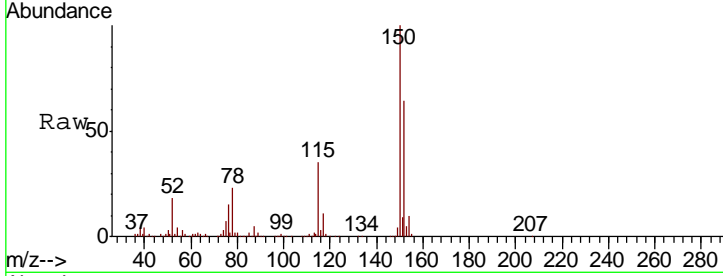




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050644.D
 Acq: 15 Aug 2018 10:42

Instrument : MSVOA_N
 ClientSampleId : 956-IW-13(19)DL

Tot Ion	Resp	Lower	Upper
152	100		
115	55.5	28.1	84.2
150	156.2	0.0	347.8



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Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	08/13/18	
Project:	Andrew St. RI		Date Received:	08/14/18	
Client Sample ID:	957-IW-14(17)		SDG No.:	J4469	
Lab Sample ID:	J4469-02		Matrix:	Water	
Analytical Method:	SW8260		% Moisture:	100	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:			Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050610.D	1		08/14/18 18:29	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1.8		0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5.5		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	90.7		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	24.3		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	957-IW-14(17)	SDG No.:	J4469
Lab Sample ID:	J4469-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID: 0.25	Level:	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050610.D	1		08/14/18 18:29	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	31.5		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50		61 - 141		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		69 - 133		98%	SPK: 50
2037-26-5	Toluene-d8	45.6		65 - 126		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.8		58 - 135		72%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	681240	7.67				
540-36-3	1,4-Difluorobenzene	1017190	8.59				
3114-55-4	Chlorobenzene-d5	842953	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	288434	13.35				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	957-IW-14(17)	SDG No.:	J4469
Lab Sample ID:	J4469-02	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050610.D	1		08/14/18 18:29	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050610.D
 Acq On : 14 Aug 2018 18:29
 Operator : MD\SY
 Sample : J4469-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 957-IW-14(17)

Quant Time: Aug 15 12:39:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	681240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1017192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	842953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	288434	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)	Recovery
33) 1,2-Dichloroethane-d4	8.03	65	429403	50.01	ug/l	0.00	100.02%
Spiked Amount				50.000			
35) Dibromofluoromethane	7.59	113	398718	49.10	ug/l	0.00	98.20%
Spiked Amount				50.000			
50) Toluene-d8	10.09	98	1392211	45.55	ug/l	0.00	91.10%
Spiked Amount				50.000			
62) 4-Bromofluorobenzene	12.40	95	361323	35.79	ug/l	0.00	71.58%
Spiked Amount				50.000			

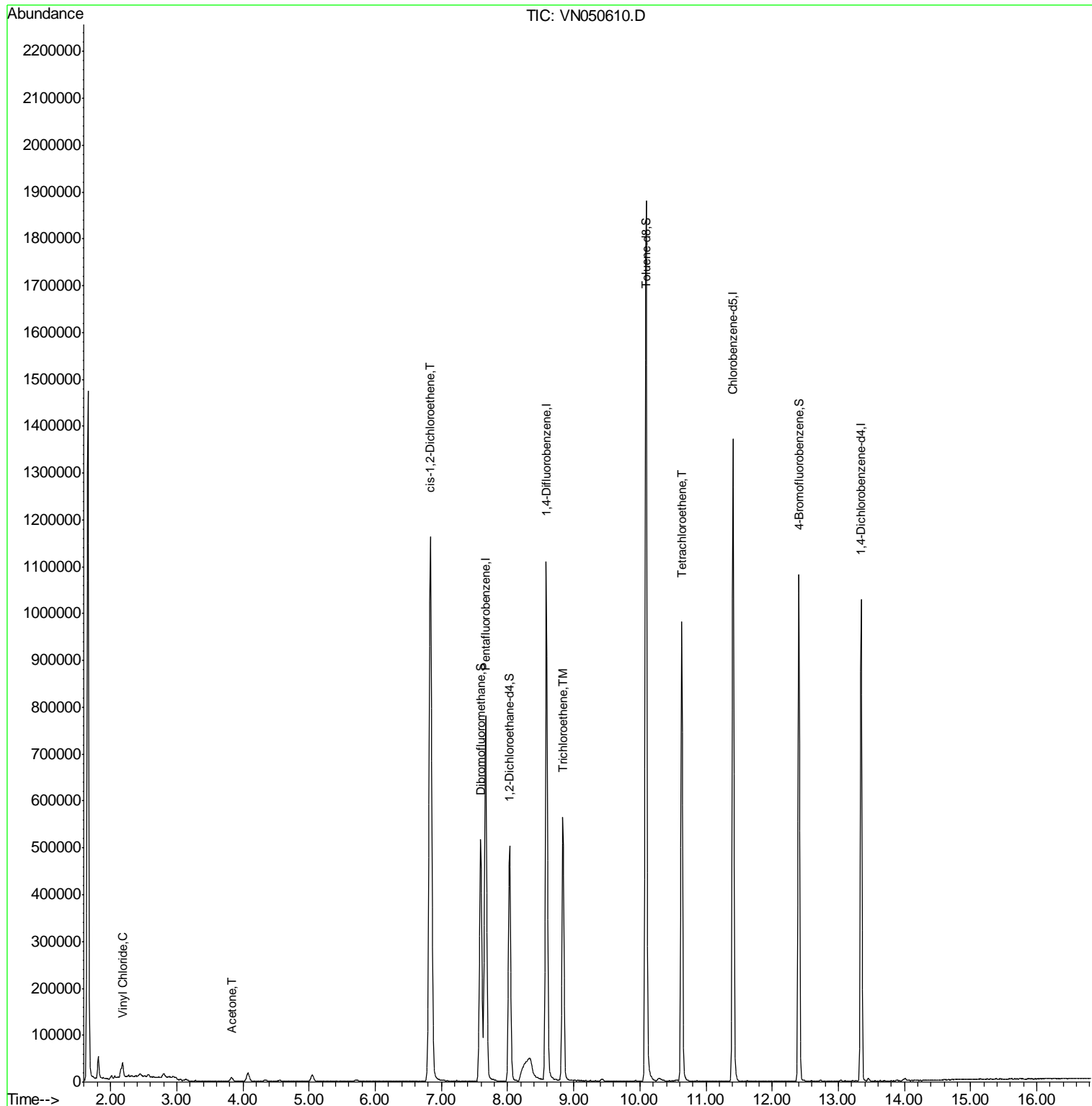
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	18382	1.80	ug/l	99
16) Acetone	3.82	43	14872	5.52	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	809577	90.72	ug/l	92
44) Trichloroethene	8.84	130	224528	24.33	ug/l	97
64) Tetrachloroethene	10.63	164	246589	31.50	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

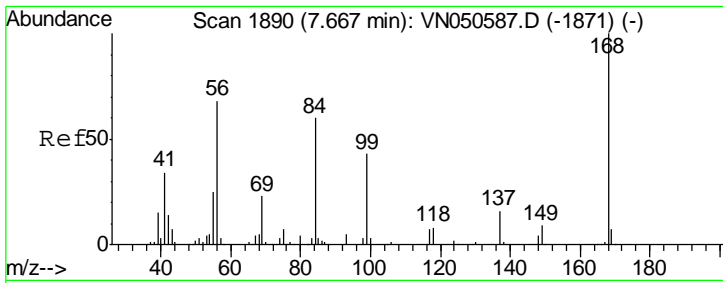
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 Acq On : 14 Aug 2018 18:29
 Operator : MD\SY
 Sample : J4469-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 957-IW-14(17)

Quant Time: Aug 15 12:39:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



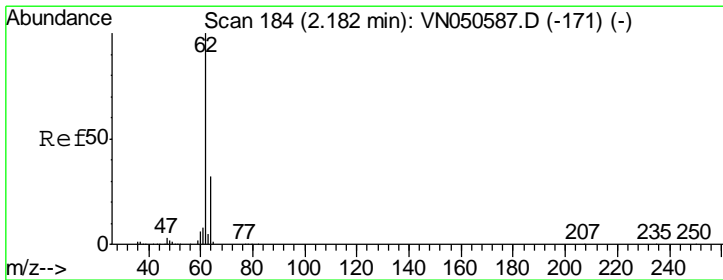
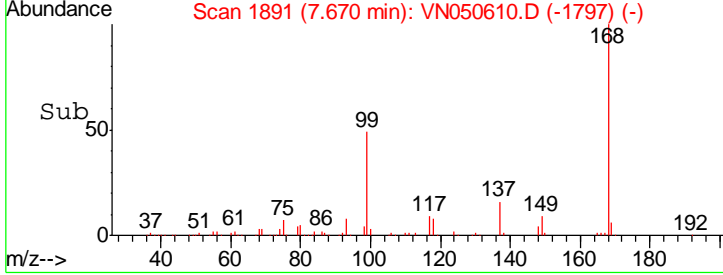
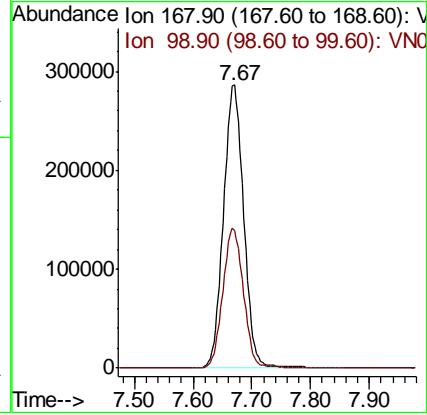
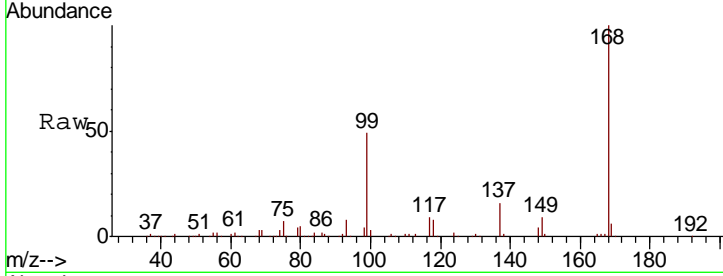
- 1
- 2
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- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

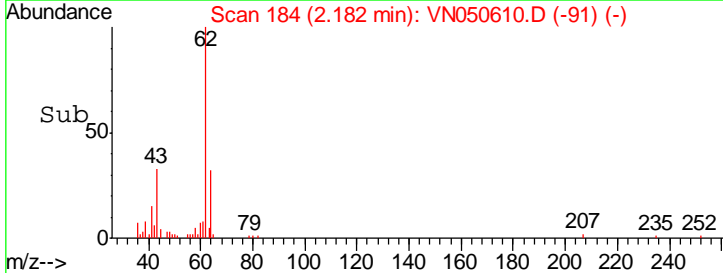
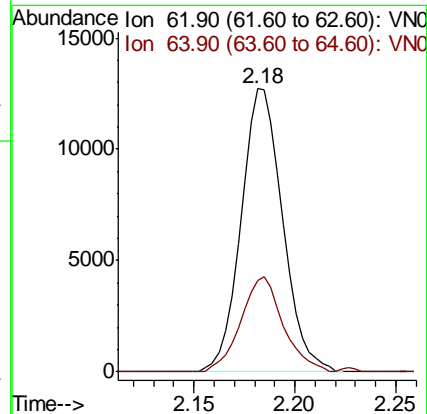
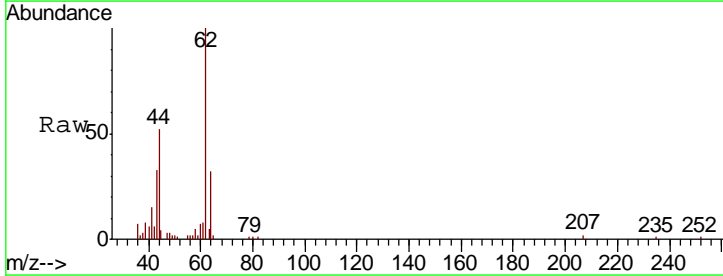
Instrument : MSVOA_N
 ClientSampled : 957-IW-14(17)

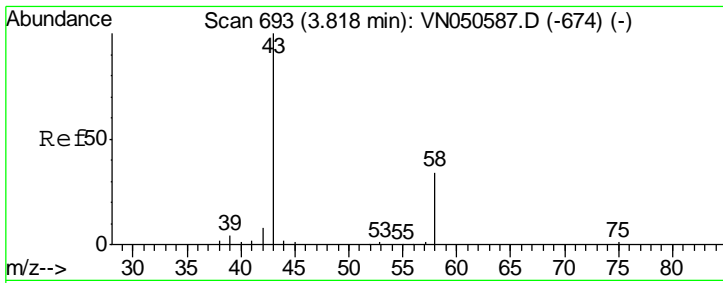
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.7	40.8	61.2



#4
 Vinyl Chloride
 Concen: 1.80 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.2	25.2	37.8

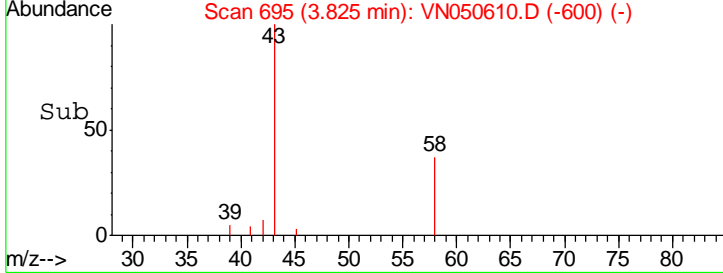
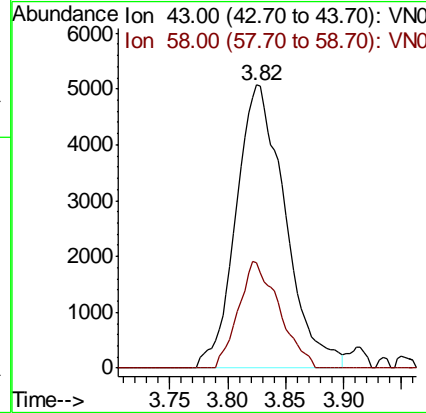
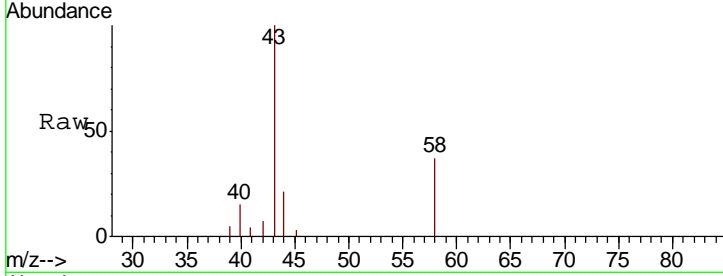




#16
 Acetone
 Concen: 5.52 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

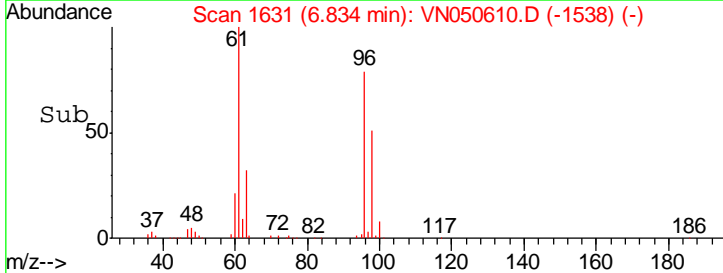
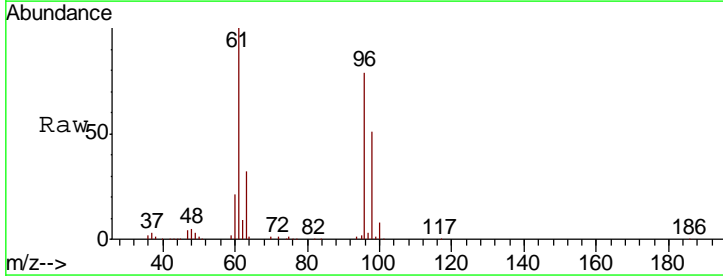
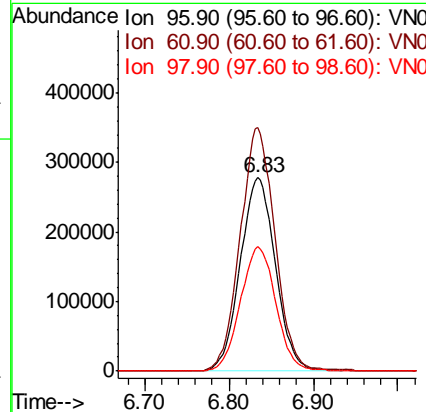
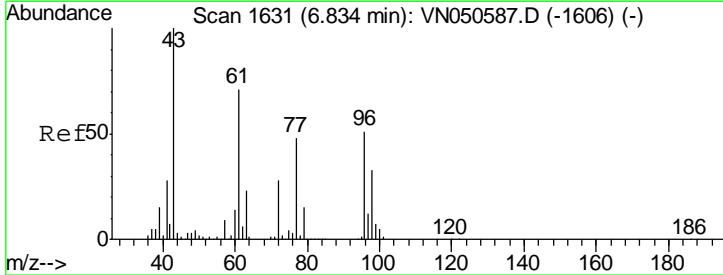
Instrument : MSVOA_N
 ClientSampled : 957-IW-14(17)

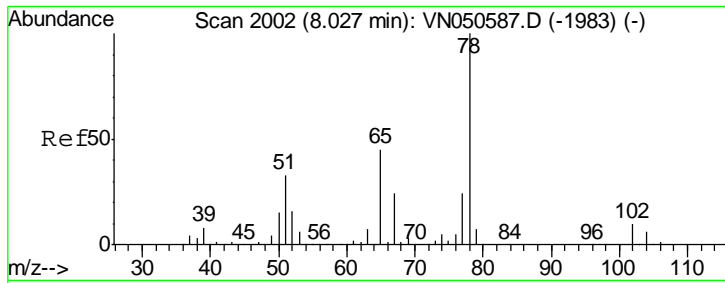
Tgt Ion	Resp	Lower	Upper
43	14872		
43	100		
58	37.2	27.1	40.7



#27
 cis-1,2-Dichloroethene
 Concen: 90.72 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
96	809577		
96	100		
61	124.7	0.0	278.2
98	64.6	0.0	128.8

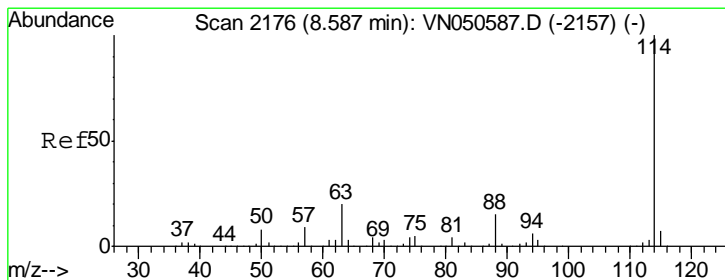
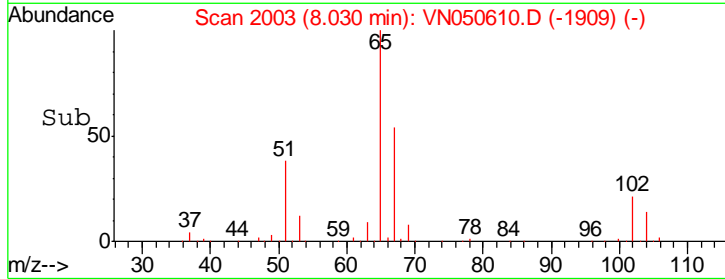
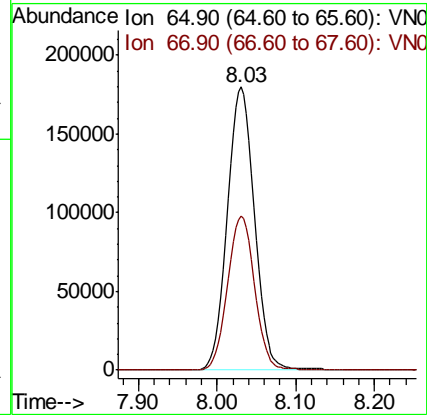
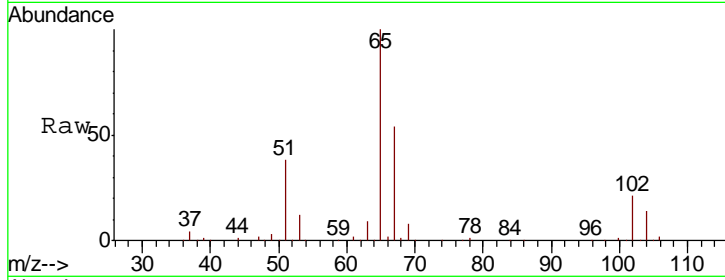




#33
 1,2-Dichloroethane-d4
 Concen: 50.01 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

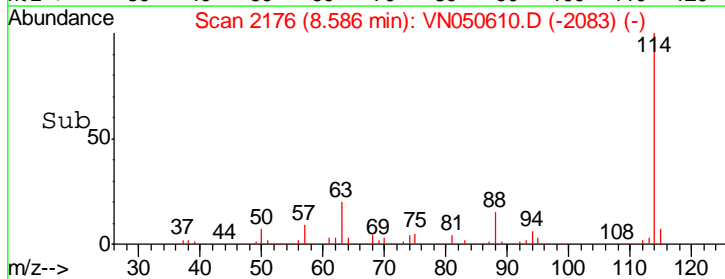
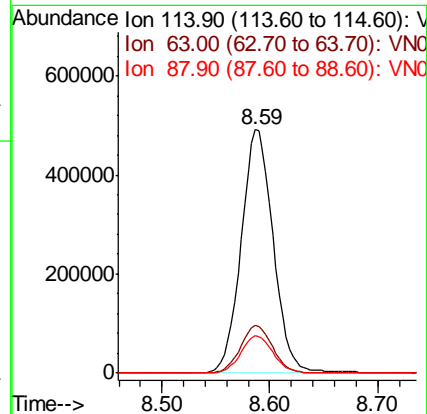
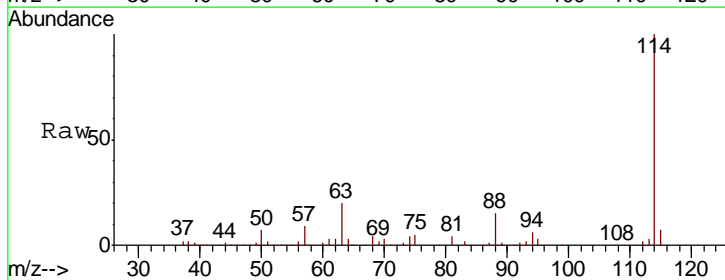
Instrument : MSVOA_N
 ClientSampleId : 957-IW-14(17)

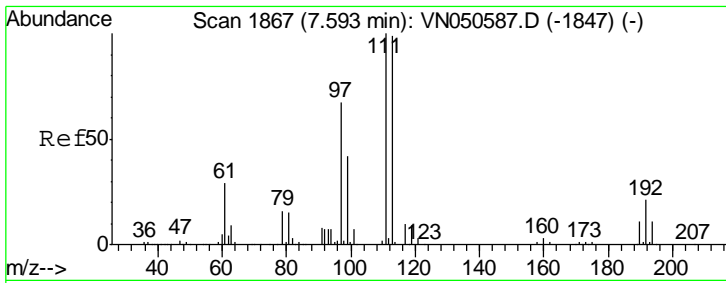
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.1	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	15.2	0.0	30.8

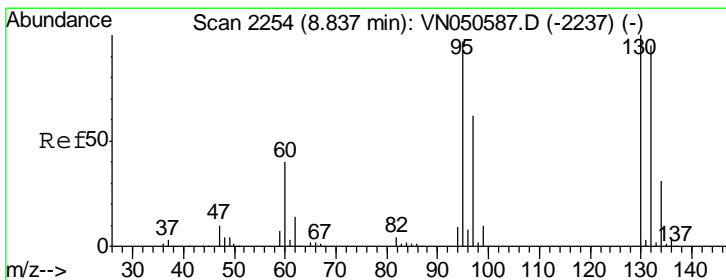
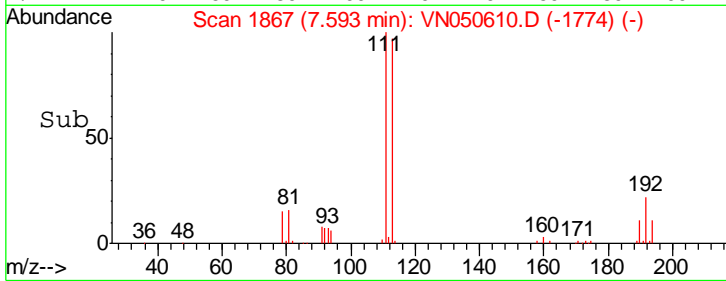
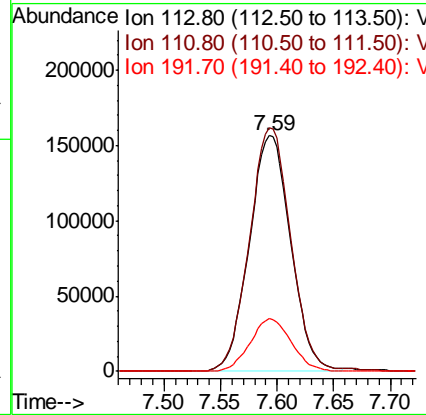
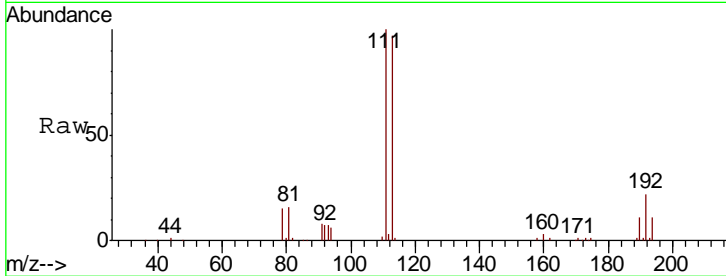




#35
 Dibromofluoromethane
 Concen: 49.10 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

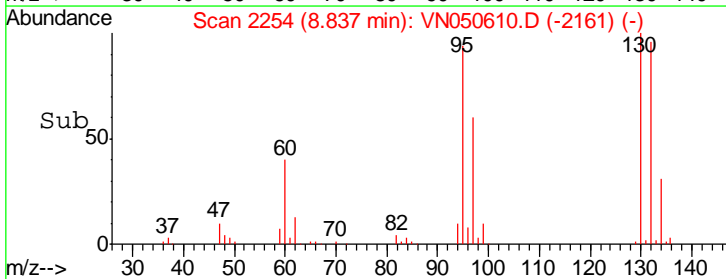
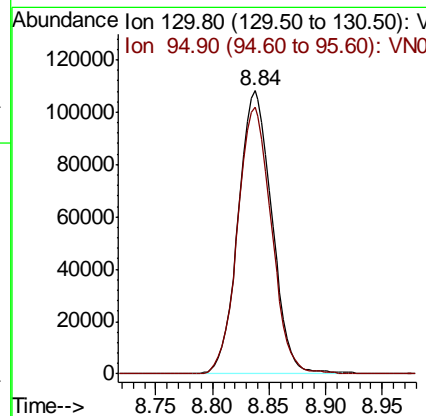
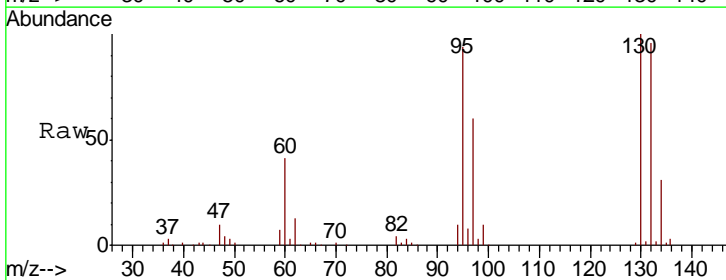
Instrument : MSVOA_N
 ClientSampled : 957-IW-14(17)

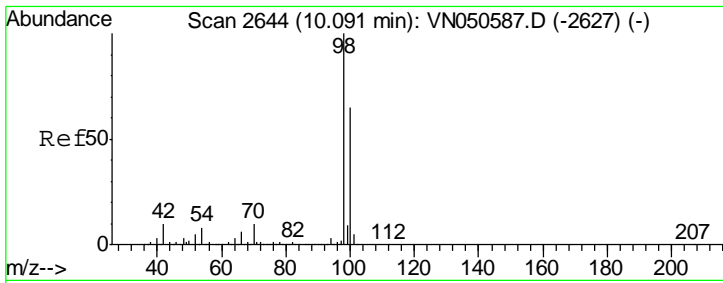
Tgt Ion	Resp	Lower	Upper
113	100		
111	103.5	81.0	121.6
192	22.2	17.6	26.4



#44
 Trichloroethene
 Concen: 24.33 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
130	100		
95	94.1	0.0	193.8



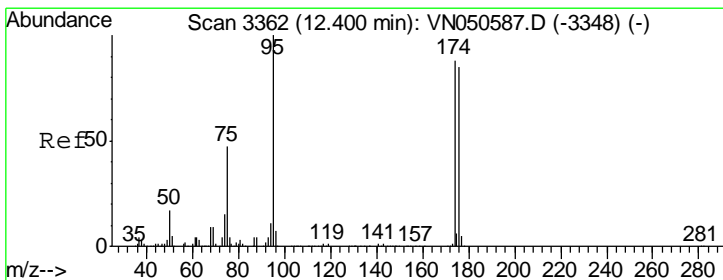
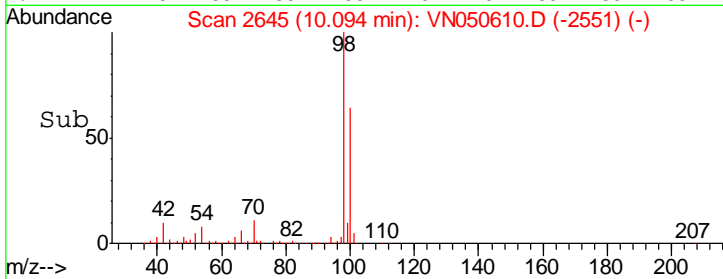
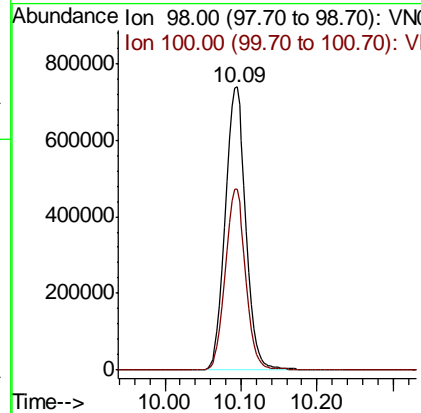
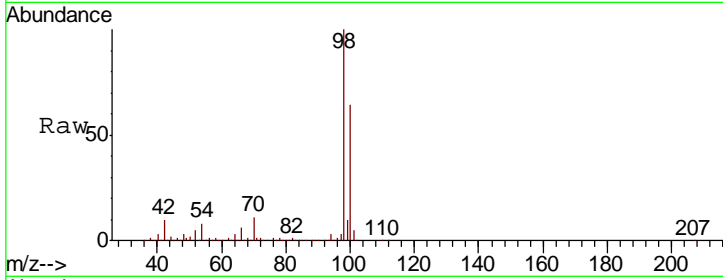


#50
 Toluene-d8
 Concen: 45.55 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

Instrument : MSVOA_N
 ClientSampled : 957-IW-14(17)

Tgt Ion: 98 Resp: 1392211

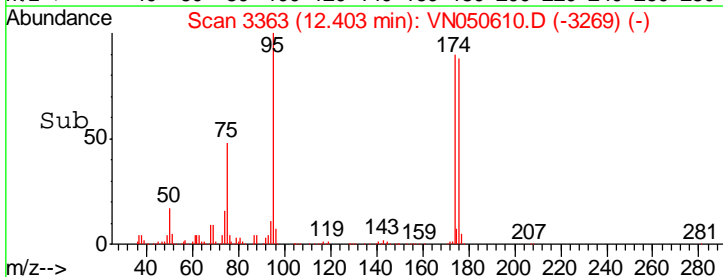
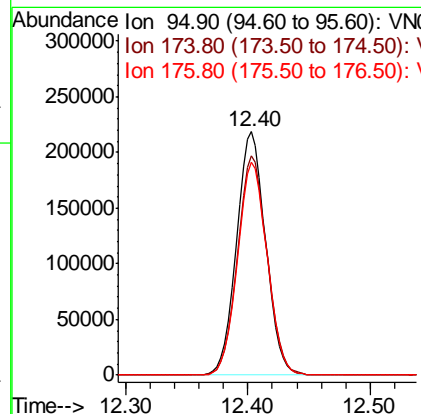
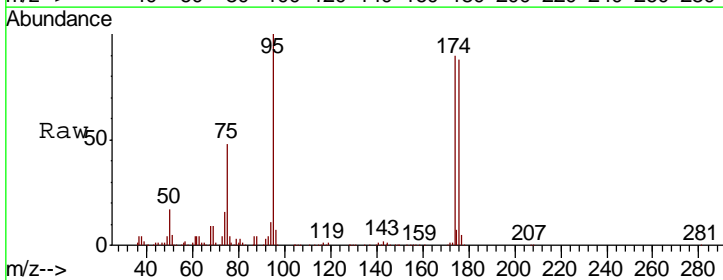
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.8	77.8

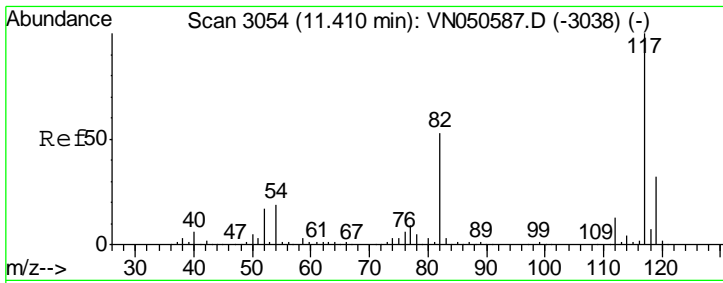


#62
 4-Bromofluorobenzene
 Concen: 35.79 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

Tgt Ion: 95 Resp: 361323

Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	177.8
176	88.9	0.0	175.0

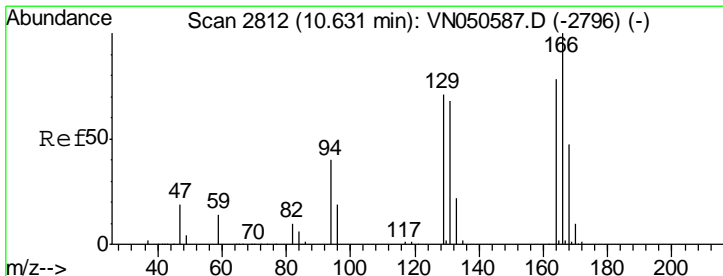
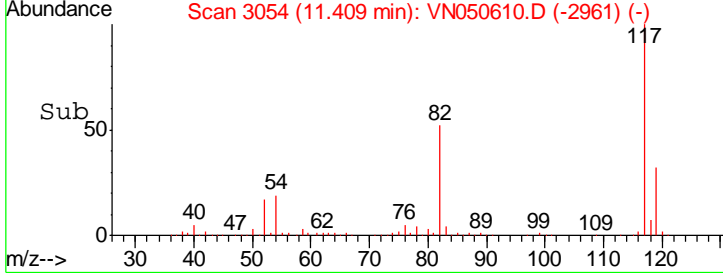
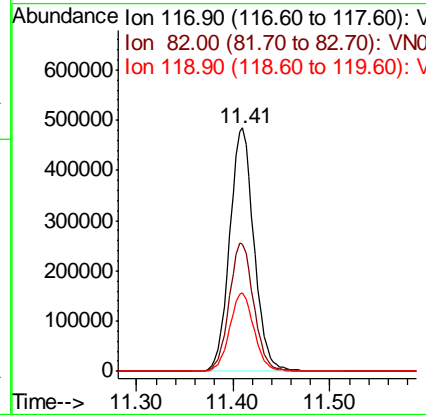
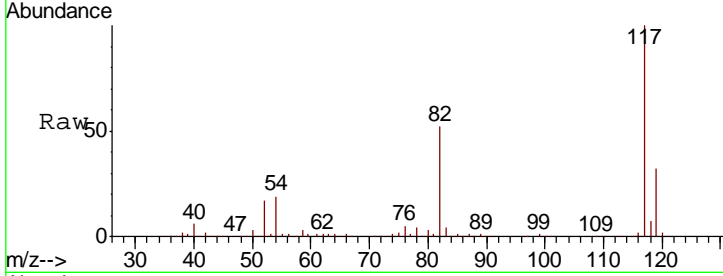




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

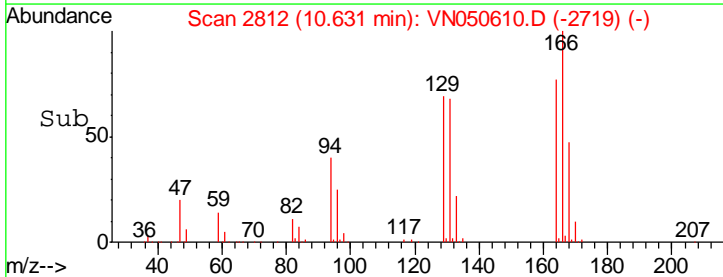
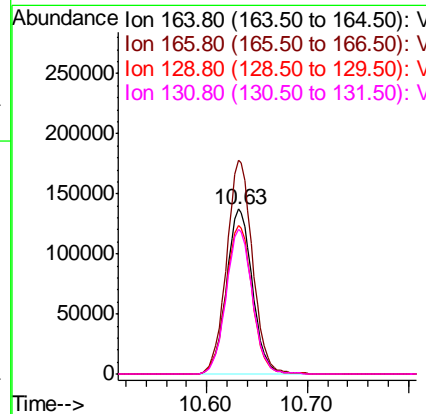
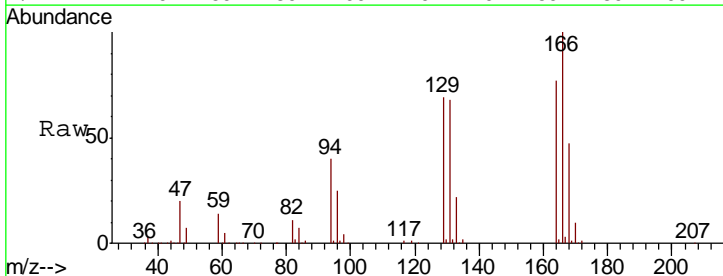
Instrument : MSVOA_N
 ClientSampleId : 957-IW-14(17)

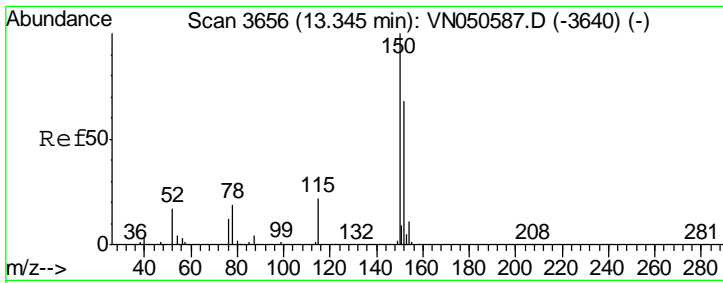
Tgt Ion	Resp	Lower	Upper
117	842953		
82	52.4	42.4	63.6
119	32.1	25.8	38.8



#64
 Tetrachloroethene
 Concen: 31.50 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

Tgt Ion	Resp	Lower	Upper
164	246589		
166	129.6	102.1	153.1
129	89.7	72.7	109.1
131	88.1	69.9	104.9

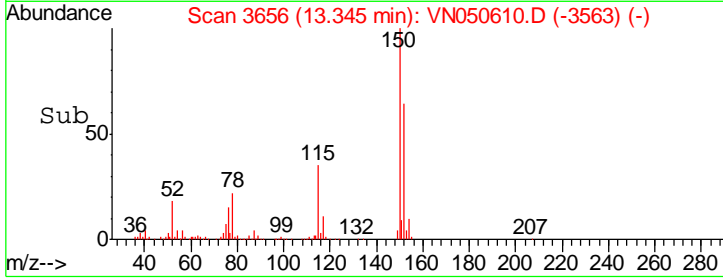
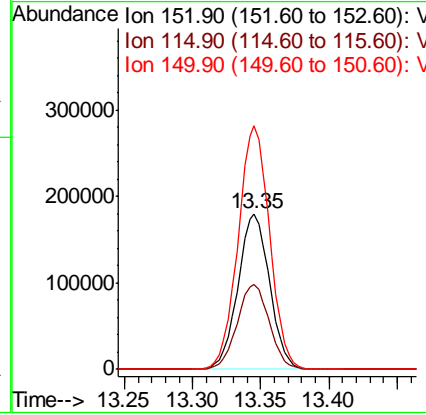
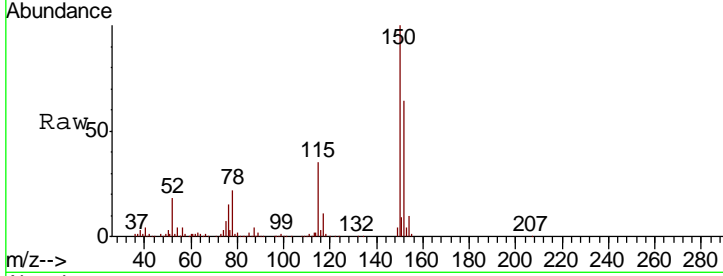




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050610.D
 Acq: 14 Aug 2018 18:29

Instrument : MSVOA_N
 ClientSampleId : 957-IW-14(17)

Tot Ion	Resp	Lower	Upper
152	100		
115	55.5	28.1	84.2
150	156.3	0.0	347.8



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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050610.D
 Acq On : 14 Aug 2018 18:29
 Operator : MD\SY
 Sample : J4469-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 957-IW-14(17)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.657	3	21	42	rBV	1473283	2468900	69.14%	9.805%
2	1.815	62	70	81	rBV2	46080	62906	1.76%	0.250%
3	2.182	180	184	192	rVB2	28781	38691	1.08%	0.154%
4	4.072	756	772	791	rBV2	18581	56027	1.57%	0.222%
5	5.046	1055	1075	1094	rBV2	14357	44140	1.24%	0.175%
6	6.834	1604	1631	1662	rBV	1163017	3386224	94.84%	13.448%
7	7.593	1847	1867	1878	rBV	516055	1292412	36.20%	5.133%
8	7.667	1879	1890	1915	rVB	776354	1826428	51.15%	7.253%
9	8.030	1985	2003	2043	rBV	502149	1196031	33.50%	4.750%
10	8.258	2043	2074	2076	rBV2	37931	135219	3.79%	0.537%
11	8.586	2160	2176	2212	rVB	1105315	2288443	64.09%	9.088%
12	8.837	2239	2254	2278	rBV	561348	1164519	32.61%	4.625%
13	10.094	2627	2645	2690	rBV	1879129	3570640	100.00%	14.180%
14	10.631	2797	2812	2840	rBV	980048	1769526	49.56%	7.027%
15	11.409	3039	3054	3081	rBV	1371041	2402730	67.29%	9.542%
16	12.403	3349	3363	3388	rBV	1081673	1813264	50.78%	7.201%
17	13.345	3642	3656	3671	rBV	1027494	1664760	46.62%	6.611%

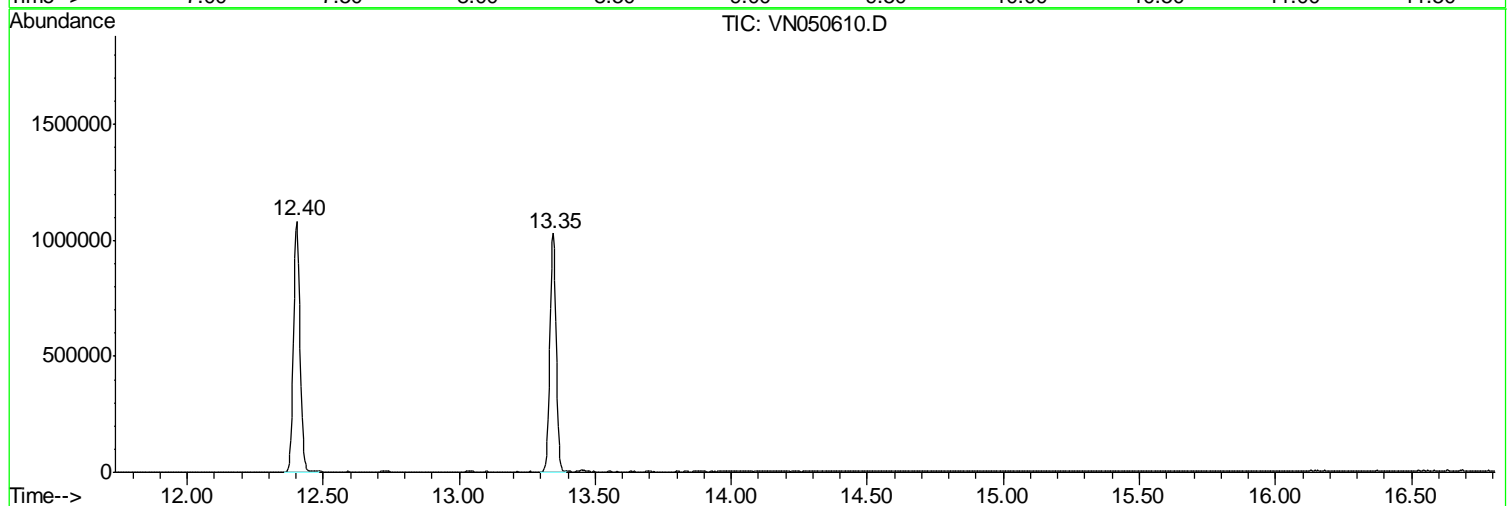
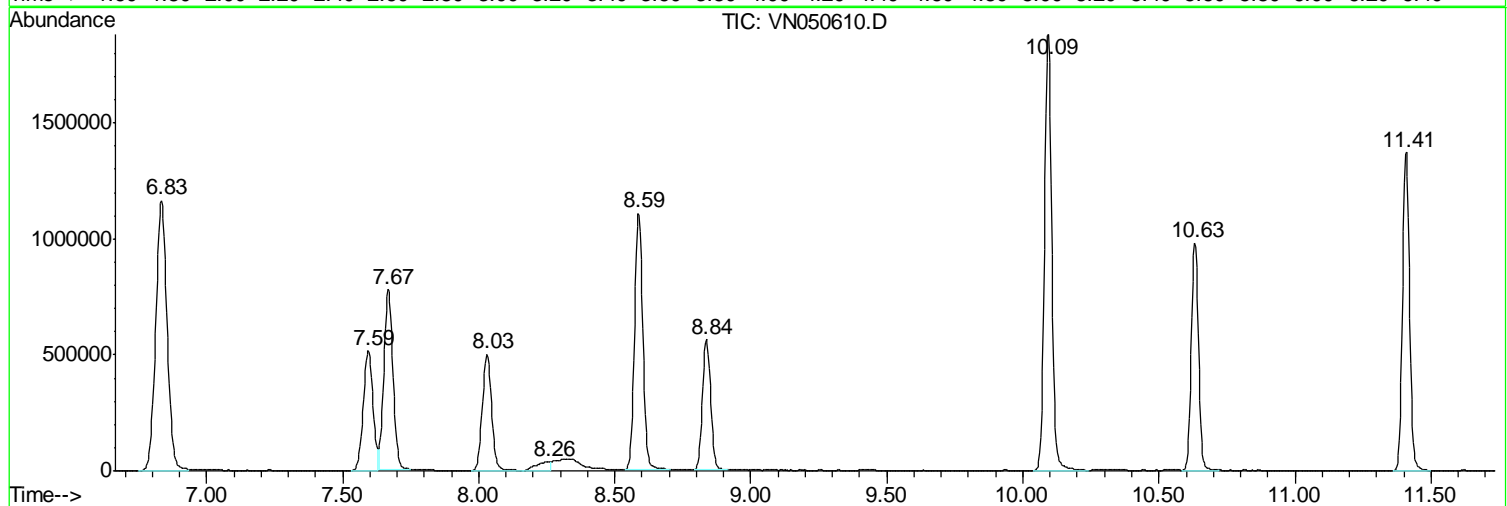
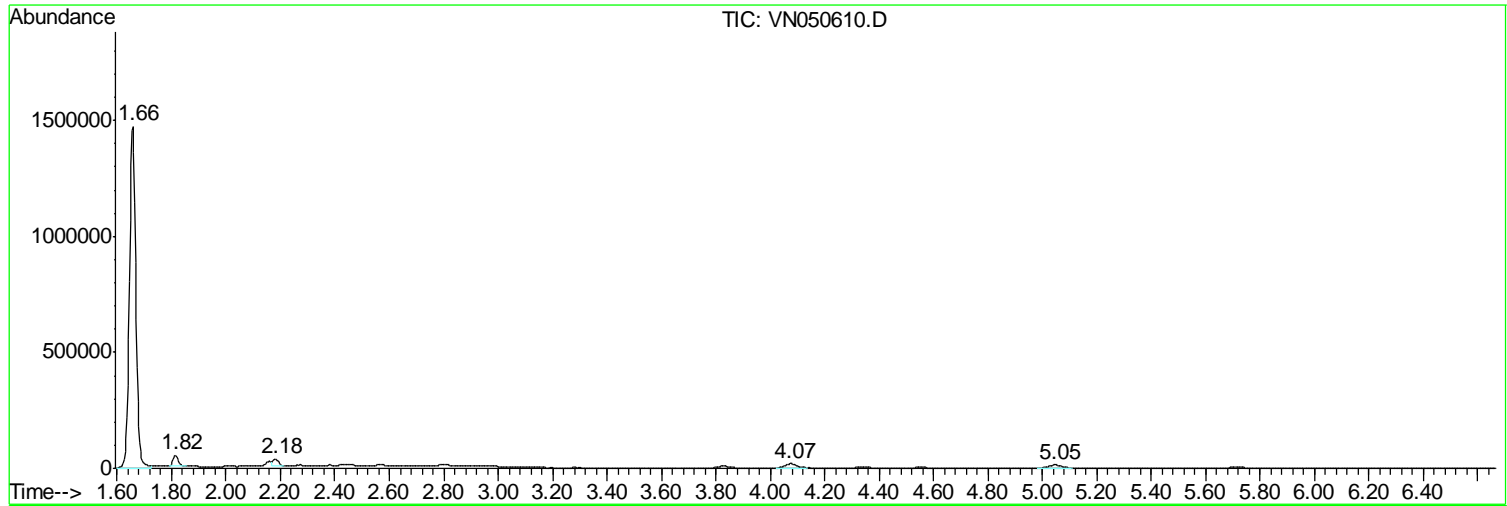
Sum of corrected areas: 25180860

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050610.D
Acq On : 14 Aug 2018 18:29
Operator : MD\SY
Sample : J4469-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
957-IW-14(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050610.D
Acq On : 14 Aug 2018 18:29
Operator : MD\SY
Sample : J4469-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
957-IW-14(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050610.D
 Acq On : 14 Aug 2018 18:29
 Operator : MD\SY
 Sample : J4469-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 957-IW-14(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	958-IW-15(19)	SDG No.:	J4469
Lab Sample ID:	J4469-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050611.D	1		08/14/18 18:53	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	4.8	J	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	33.8		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	28.6		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	958-IW-15(19)	SDG No.:	J4469
Lab Sample ID:	J4469-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050611.D	1		08/14/18 18:53	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	89.6		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		61 - 141		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		69 - 133		98%	SPK: 50
2037-26-5	Toluene-d8	45.9		65 - 126		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.3		58 - 135		75%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	714105	7.67				
540-36-3	1,4-Difluorobenzene	1101270	8.59				
3114-55-4	Chlorobenzene-d5	940280	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	337662	13.35				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	958-IW-15(19)	SDG No.:	J4469
Lab Sample ID:	J4469-03	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050611.D	1		08/14/18 18:53	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050611.D
 Acq On : 14 Aug 2018 18:53
 Operator : MD\SY
 Sample : J4469-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 958-IW-15(19)

Quant Time: Aug 15 13:25:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	714105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1101270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	940280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	337662	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	455830	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.59	113	432646	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.09	98	1520125	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
62) 4-Bromofluorobenzene	12.40	95	407827	37.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.62%	

Target Compounds

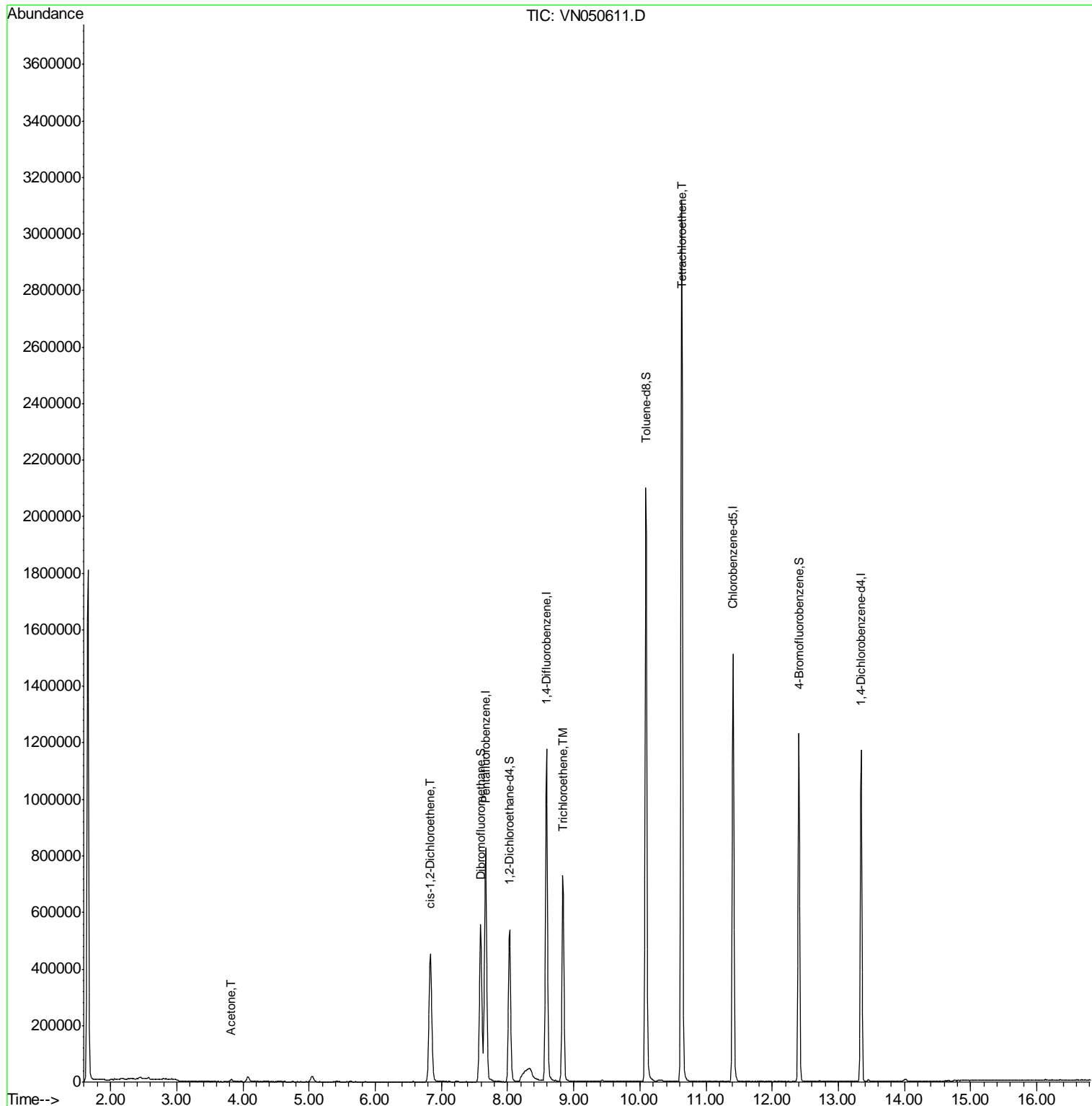
						Qvalue
16) Acetone	3.82	43	13940	4.78	ug/l	92
27) cis-1,2-Dichloroethene	6.83	96	316586	33.84	ug/l	92
44) Trichloroethene	8.84	130	285462	28.57	ug/l	98
64) Tetrachloroethene	10.63	164	782501	89.61	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

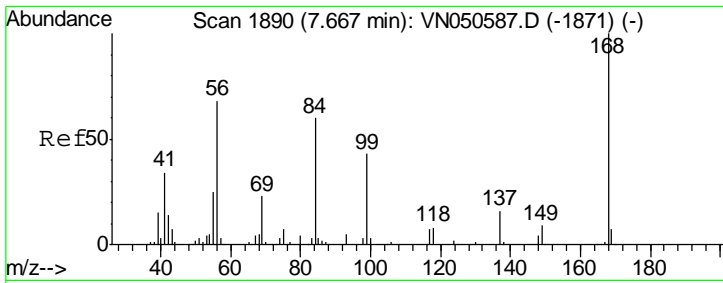
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050611.D
 Acq On : 14 Aug 2018 18:53
 Operator : MD\SY
 Sample : J4469-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 958-IW-15(19)

Quant Time: Aug 15 13:25:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



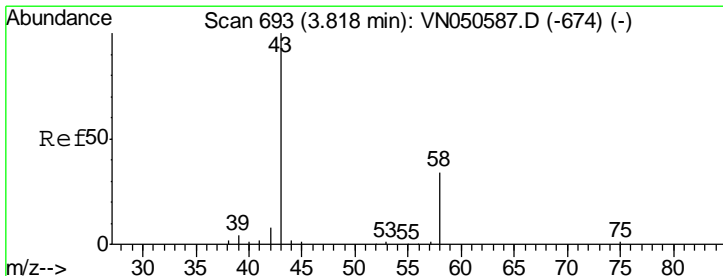
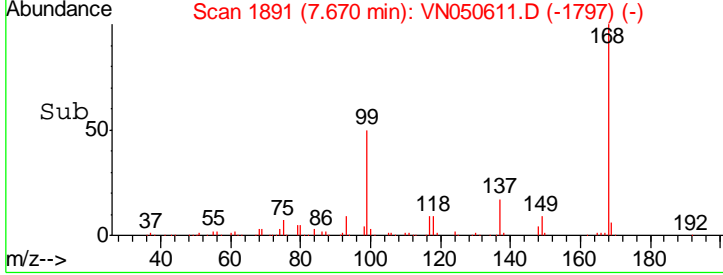
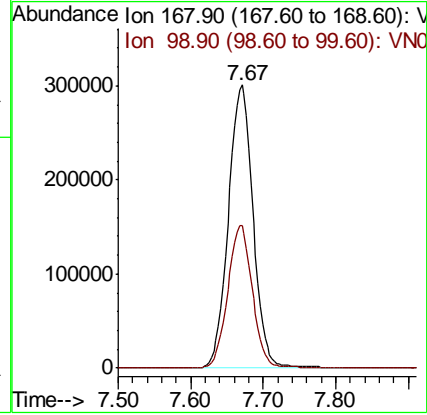
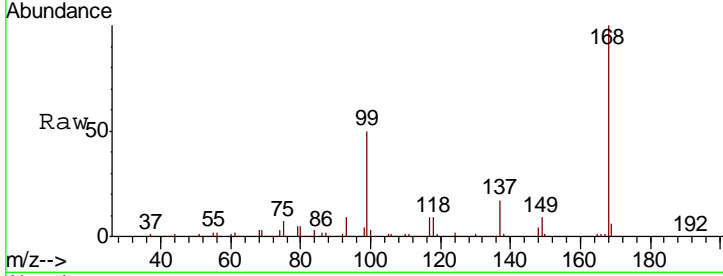
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050611.D
 Acq: 14 Aug 2018 18:53

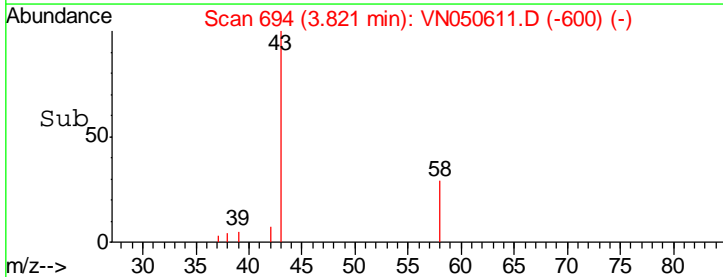
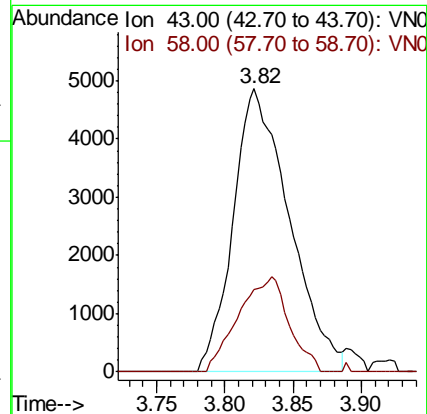
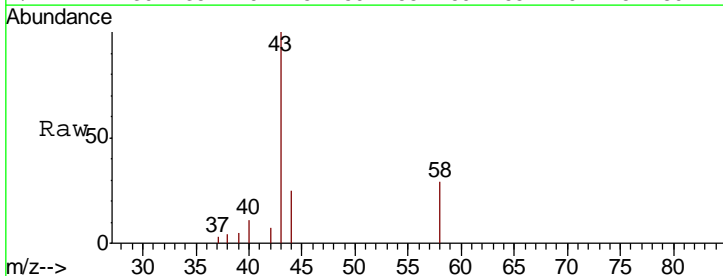
Instrument : MSVOA_N
 ClientSampled : 958-IW-15(19)

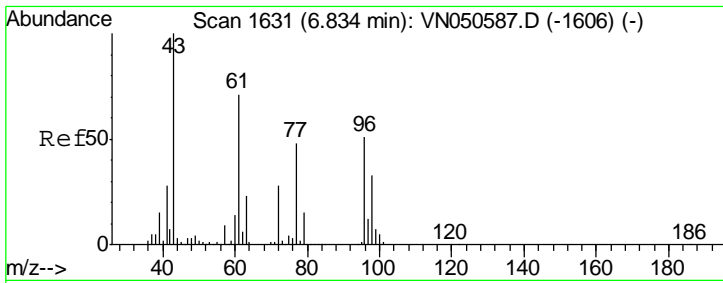
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.4	40.8	61.2



#16
 Acetone
 Concen: 4.78 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050611.D
 Acq: 14 Aug 2018 18:53

Tgt Ion	Resp	Lower	Upper
43	100		
58	29.0	27.1	40.7

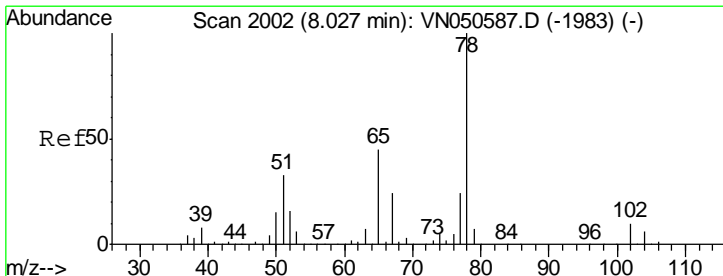
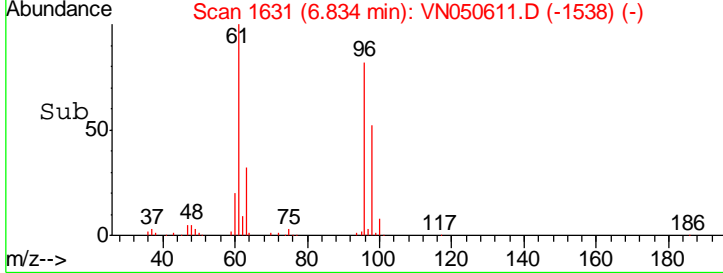
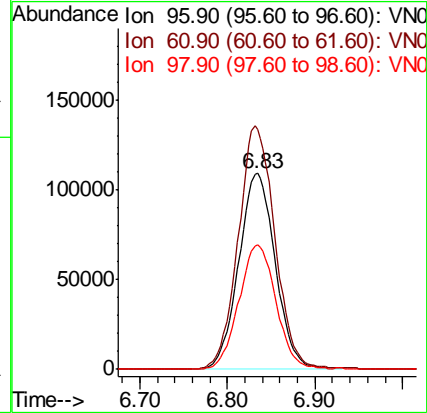
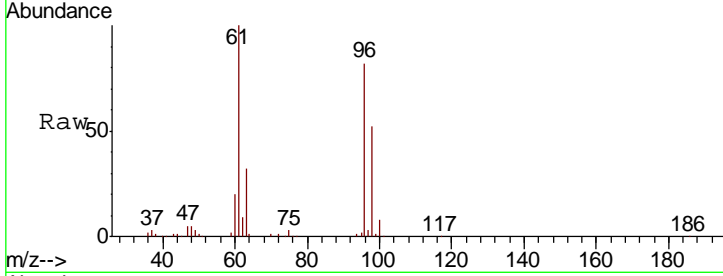




#27
 cis-1,2-Dichloroethene
 Concen: 33.84 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050611.D
 Acq: 14 Aug 2018 18:53

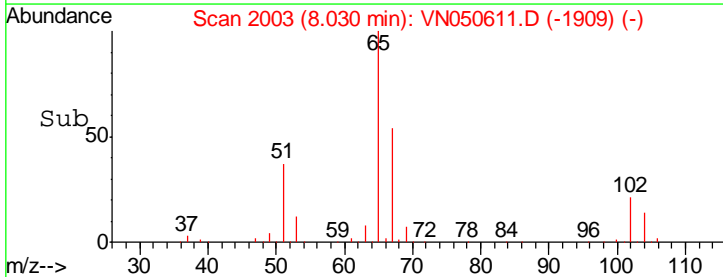
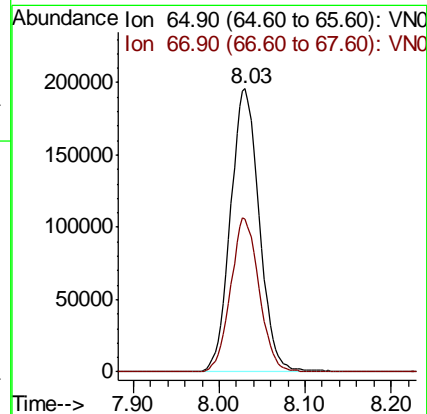
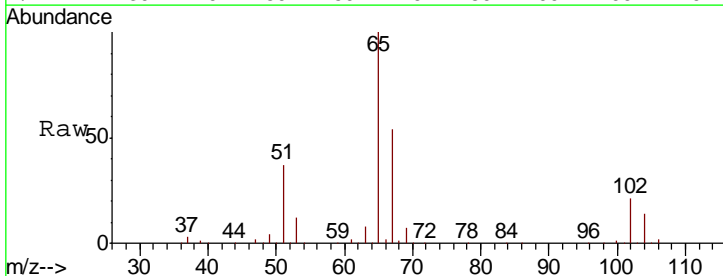
Instrument : MSVOA_N
 ClientSampled : 958-IW-15(19)

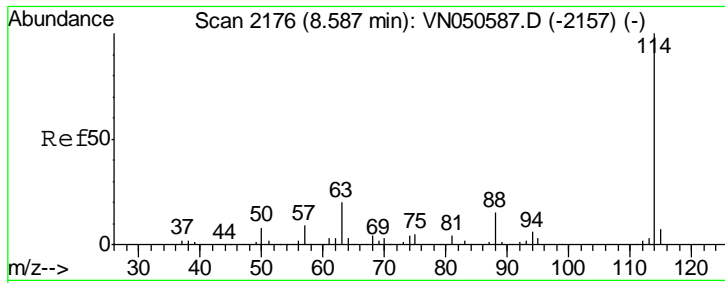
Tgt Ion	Resp	Lower	Upper
96	316586		
61	124.7	0.0	278.2
98	64.4	0.0	128.8



#33
 1,2-Dichloroethane-d4
 Concen: 50.64 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050611.D
 Acq: 14 Aug 2018 18:53

Tgt Ion	Resp	Lower	Upper
65	455830		
67	53.7	0.0	109.8

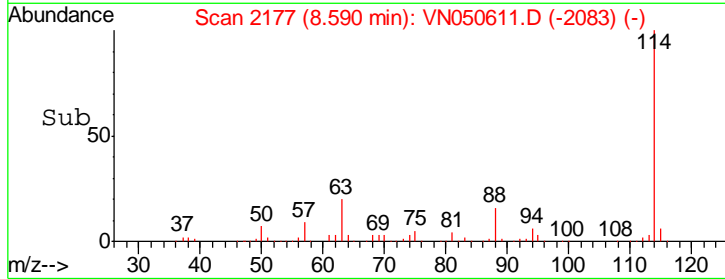
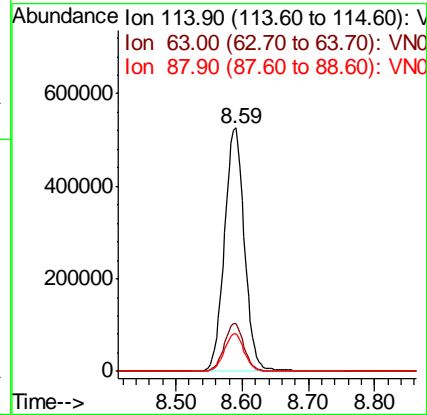
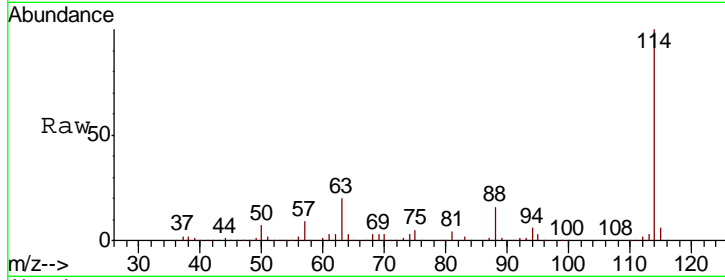




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050611.D
 Acq: 14 Aug 2018 18:53

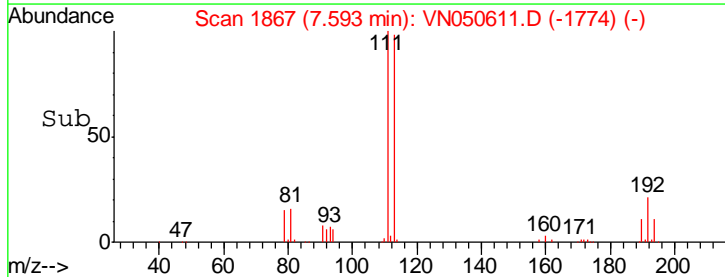
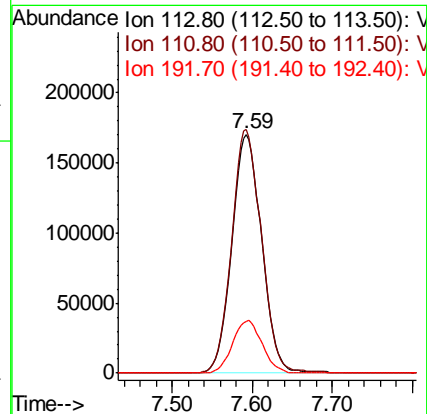
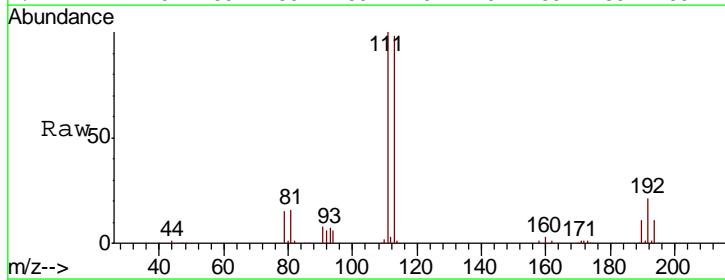
Instrument : MSVOA_N
 ClientSampled : 958-IW-15(19)

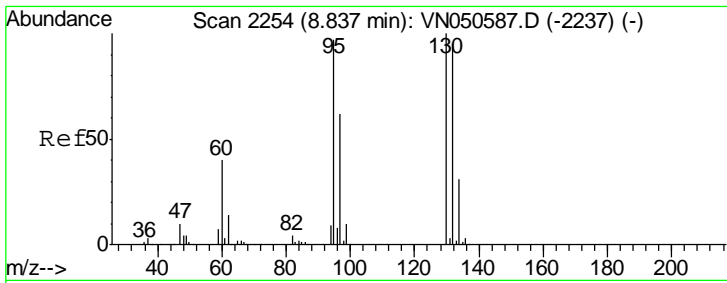
Tgt Ion	Resp	Lower	Upper
114	1101270		
63	19.7	0.0	40.0
88	15.6	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 49.21 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050611.D
 Acq: 14 Aug 2018 18:53

Tgt Ion	Resp	Lower	Upper
113	432646		
111	101.9	81.0	121.6
192	22.0	17.6	26.4

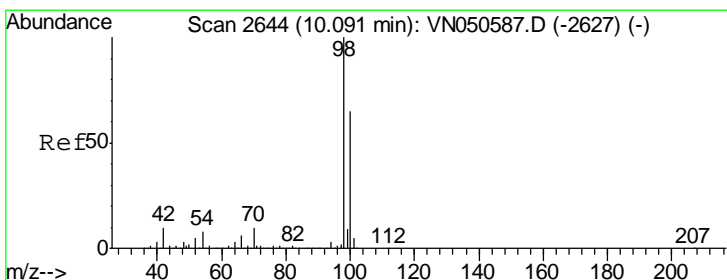
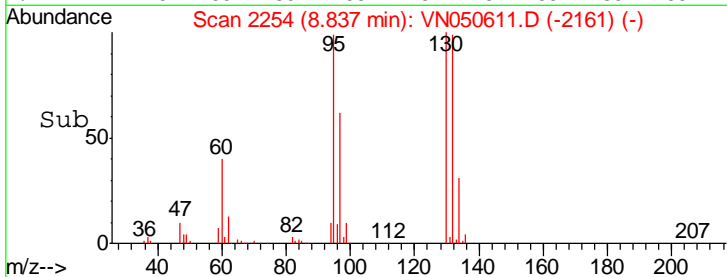
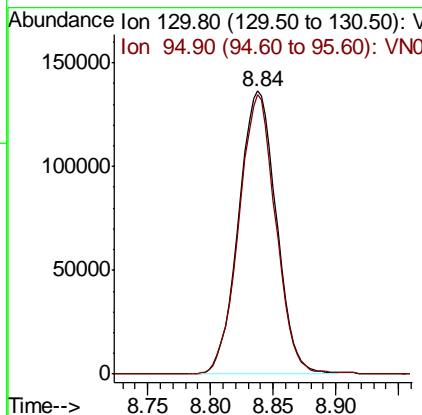
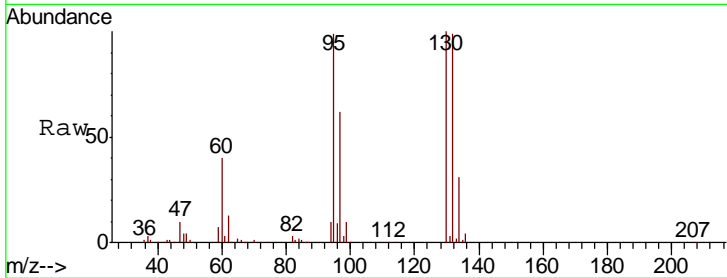




#44
 Trichloroethene
 Concen: 28.57 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050611.D
 Acq: 14 Aug 2018 18:53

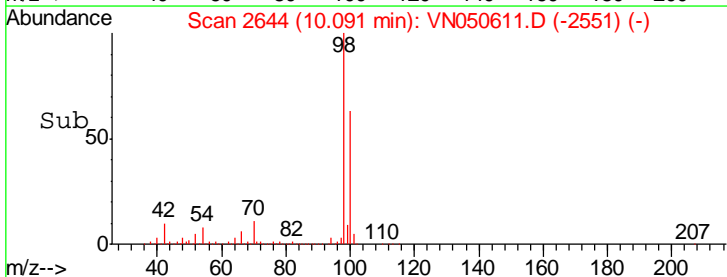
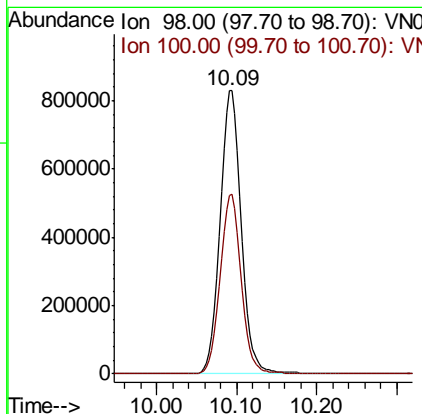
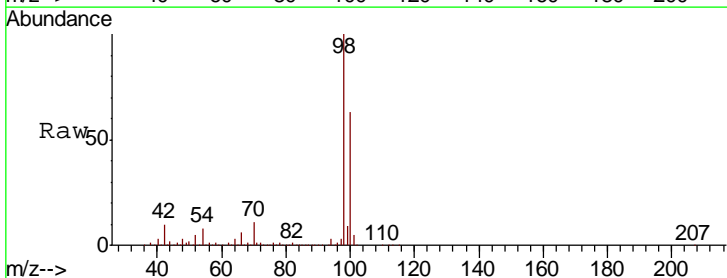
Instrument :
 MSVOA_N
 ClientSampled :
 958-IW-15(19)

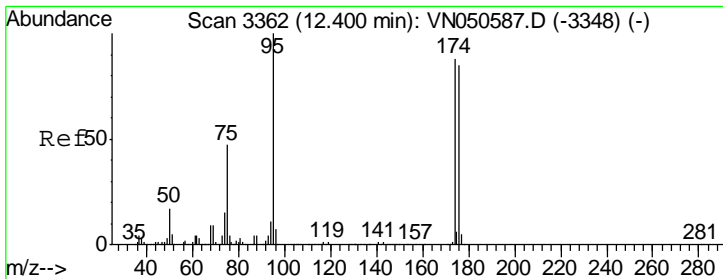
Tgt Ion	Resp	Lower	Upper
130	100		
95	98.8	0.0	193.8



#50
 Toluene-d8
 Concen: 45.94 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050611.D
 Acq: 14 Aug 2018 18:53

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.4	51.8	77.8

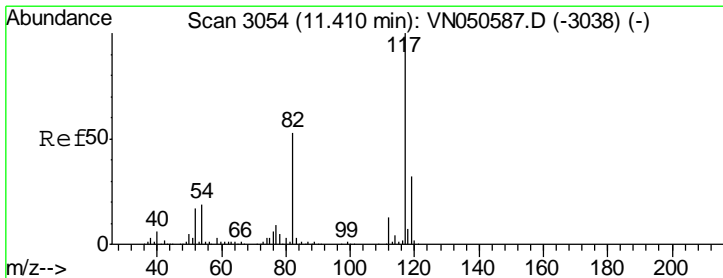
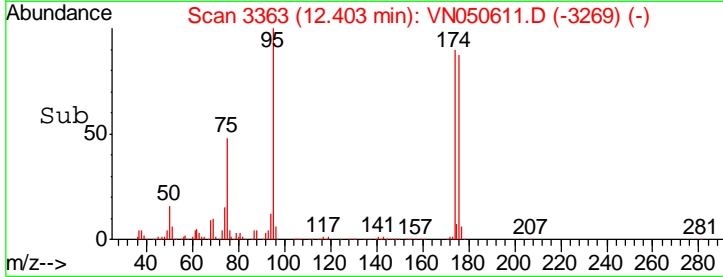
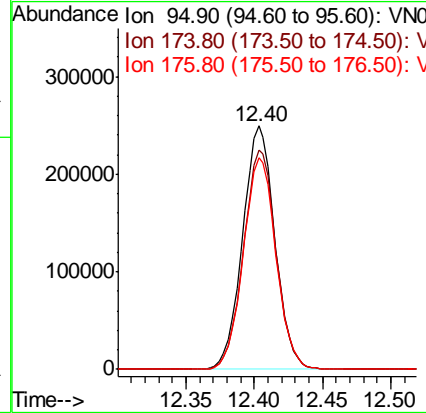
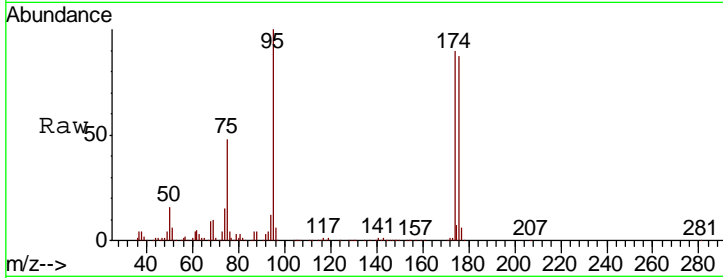




#62
 4-Bromofluorobenzene
 Concen: 37.31 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050611.D
 Acq: 14 Aug 2018 18:53

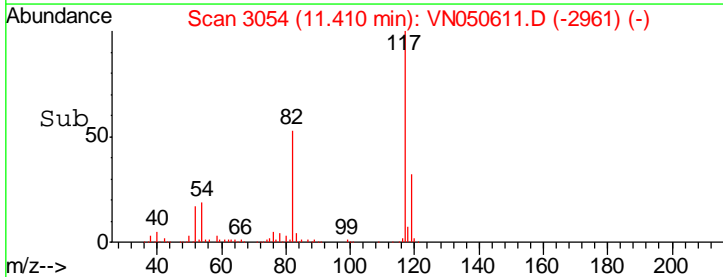
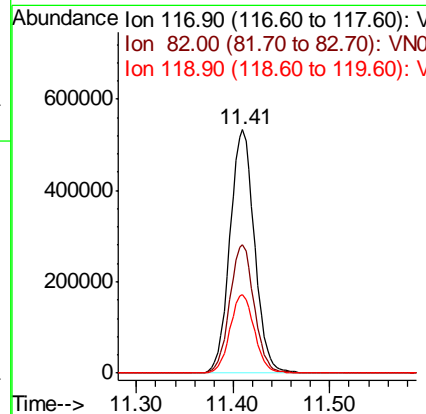
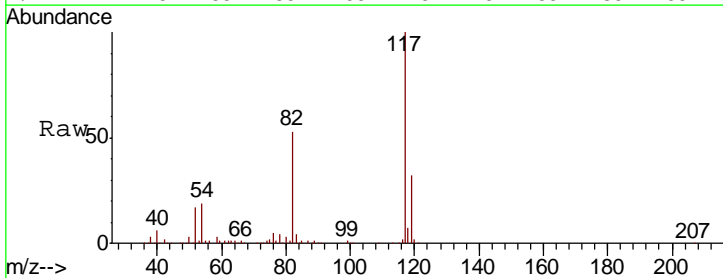
Instrument : MSVOA_N
 ClientSampleId : 958-IW-15(19)

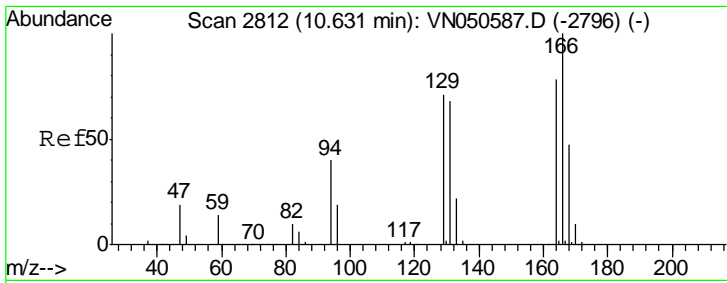
Tgt Ion	Resp	Lower	Upper
95	407827		
174	91.4	0.0	177.8
176	88.4	0.0	175.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050611.D
 Acq: 14 Aug 2018 18:53

Tgt Ion	Resp	Lower	Upper
117	940280		
82	52.8	42.4	63.6
119	32.2	25.8	38.8

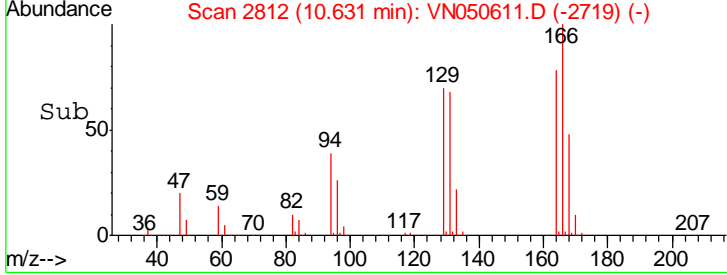
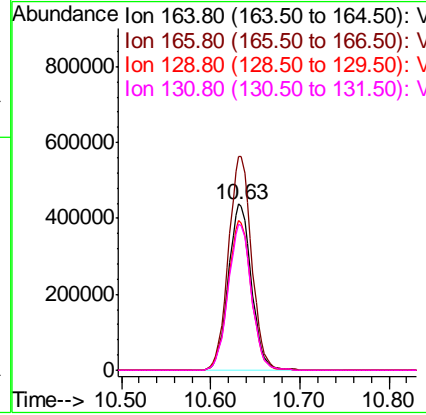
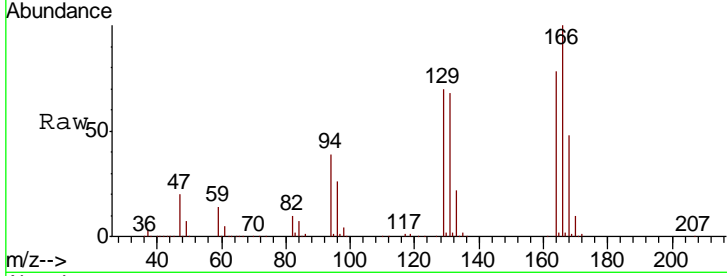




#64
 Tetrachloroethene
 Concen: 89.61 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050611.D
 Acq: 14 Aug 2018 18:53

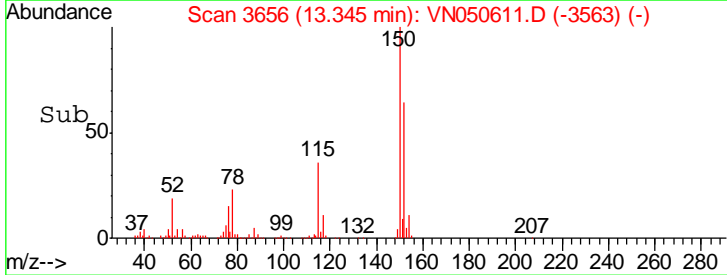
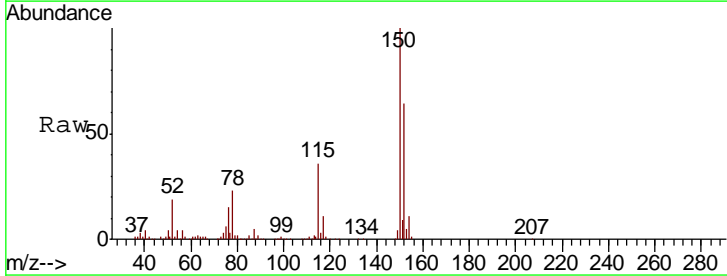
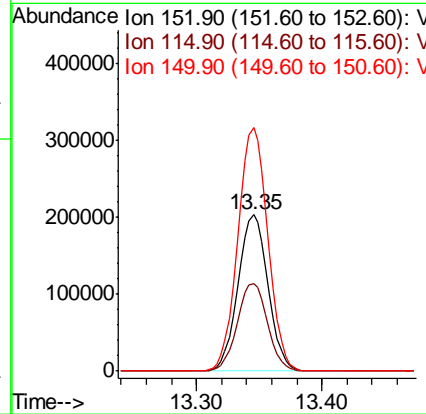
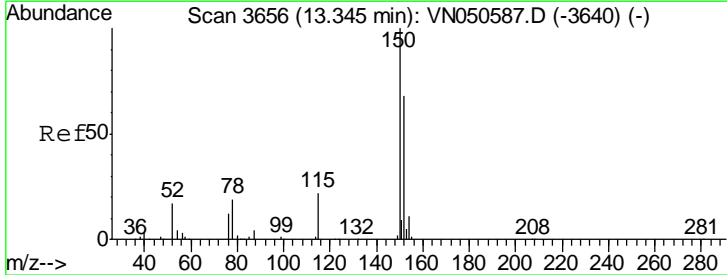
Instrument : MSVOA_N
 ClientSampled : 958-IW-15(19)

Tgt Ion	Resp	Lower	Upper
164	100		
166	128.5	102.1	153.1
129	89.9	72.7	109.1
131	87.7	69.9	104.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050611.D
 Acq: 14 Aug 2018 18:53

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.4	28.1	84.2
150	156.0	0.0	347.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050611.D
 Acq On : 14 Aug 2018 18:53
 Operator : MD\SY
 Sample : J4469-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 958-IW-15(19)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	52	rBV	1810751	3026611	54.02%	10.336%
2	5.047	1057	1075	1095	rVB3	18073	56659	1.01%	0.193%
3	6.831	1608	1630	1659	rBV	453706	1333877	23.81%	4.555%
4	7.593	1847	1867	1878	rBV2	556082	1384743	24.72%	4.729%
5	7.670	1879	1891	1915	rVB	821317	1923648	34.34%	6.569%
6	8.030	1985	2003	2028	rBV	538006	1261562	22.52%	4.308%
7	8.284	2046	2082	2083	rBV3	41720	176679	3.15%	0.603%
8	8.590	2160	2177	2206	rBV	1172005	2464144	43.98%	8.415%
9	8.837	2237	2254	2287	rBV	726340	1500443	26.78%	5.124%
10	10.091	2628	2644	2674	rBV	2102197	3881187	69.28%	13.254%
11	10.631	2797	2812	2845	rBV	3115134	5602305	100.00%	19.132%
12	11.410	3038	3054	3080	rBV	1514379	2679832	47.83%	9.151%
13	12.403	3347	3363	3381	rBV	1230895	2034670	36.32%	6.948%
14	13.345	3638	3656	3678	rBV	1172567	1956642	34.93%	6.682%

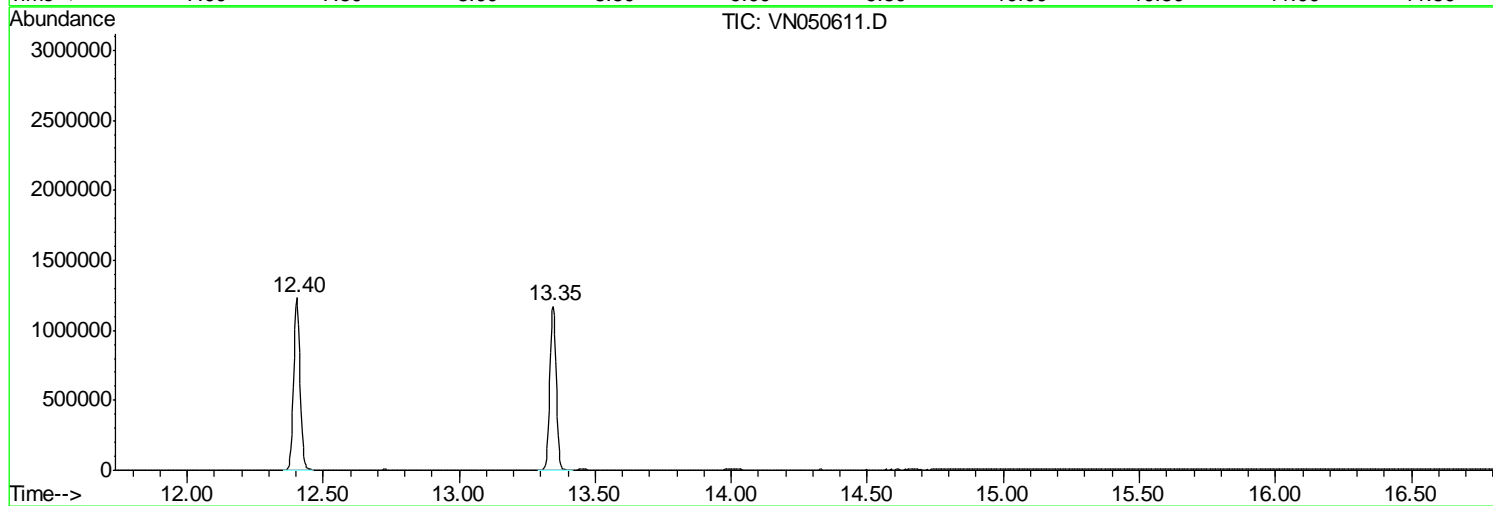
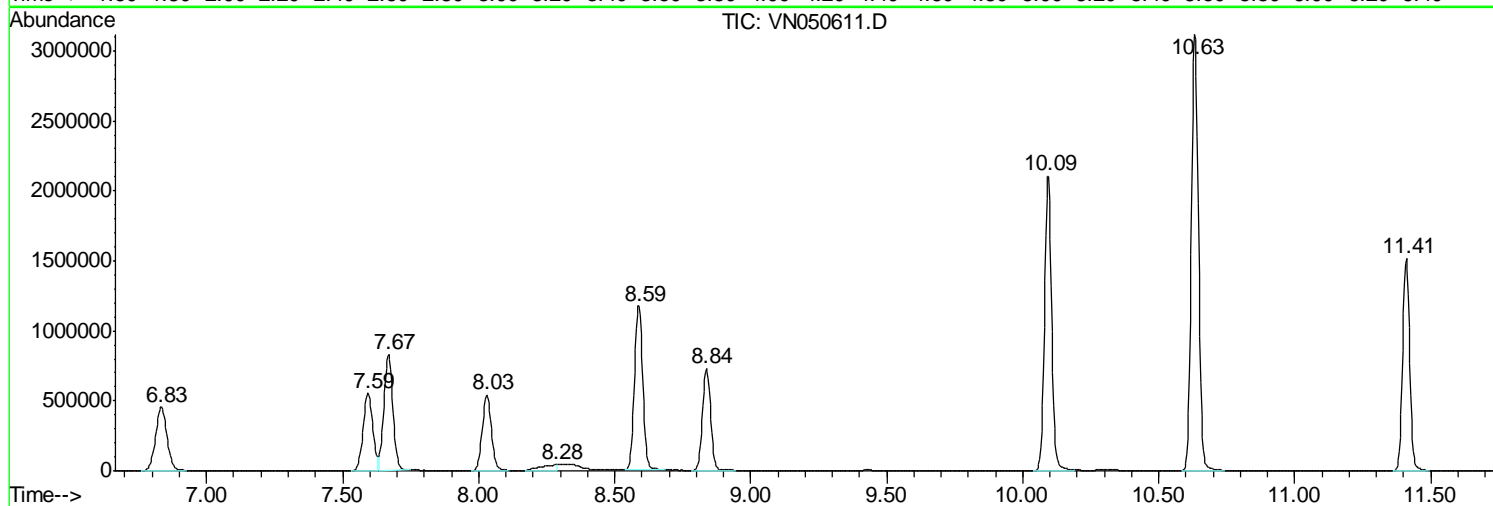
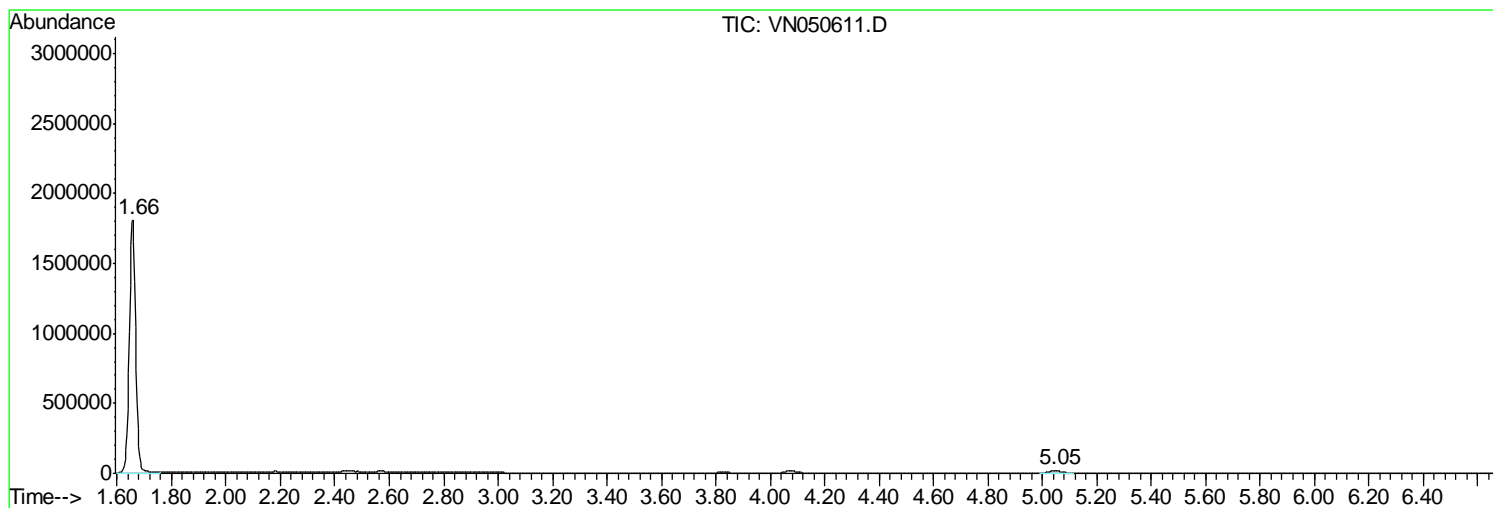
Sum of corrected areas: 29283002

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050611.D
Acq On : 14 Aug 2018 18:53
Operator : MD\SY
Sample : J4469-03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
958-IW-15(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050611.D
Acq On : 14 Aug 2018 18:53
Operator : MD\SY
Sample : J4469-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
958-IW-15(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050611.D
 Acq On : 14 Aug 2018 18:53
 Operator : MD\SY
 Sample : J4469-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 958-IW-15(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	959-IW-16(19)	SDG No.:	J4469
Lab Sample ID:	J4469-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050612.D	1		08/14/18 19:18	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	7.3		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	44.9		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	93.6		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	959-IW-16(19)	SDG No.:	J4469
Lab Sample ID:	J4469-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050612.D	1		08/14/18 19:18	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	540	E	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51		61 - 141		102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		69 - 133		98%	SPK: 50
2037-26-5	Toluene-d8	46.8		65 - 126		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.6		58 - 135		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	671357	7.67				
540-36-3	1,4-Difluorobenzene	1032270	8.59				
3114-55-4	Chlorobenzene-d5	914177	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	331010	13.35				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	959-IW-16(19)	SDG No.:	J4469
Lab Sample ID:	J4469-04	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050612.D	1		08/14/18 19:18	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050612.D
 Acq On : 14 Aug 2018 19:18
 Operator : MD\SY
 Sample : J4469-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 959-IW-16(19)

Quant Time: Aug 15 13:28:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	671357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1032265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	914177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	331010	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	431744	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
35) Dibromofluoromethane	7.59	113	405637	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	10.09	98	1451858	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
62) 4-Bromofluorobenzene	12.40	95	405527	39.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.16%	

Target Compounds

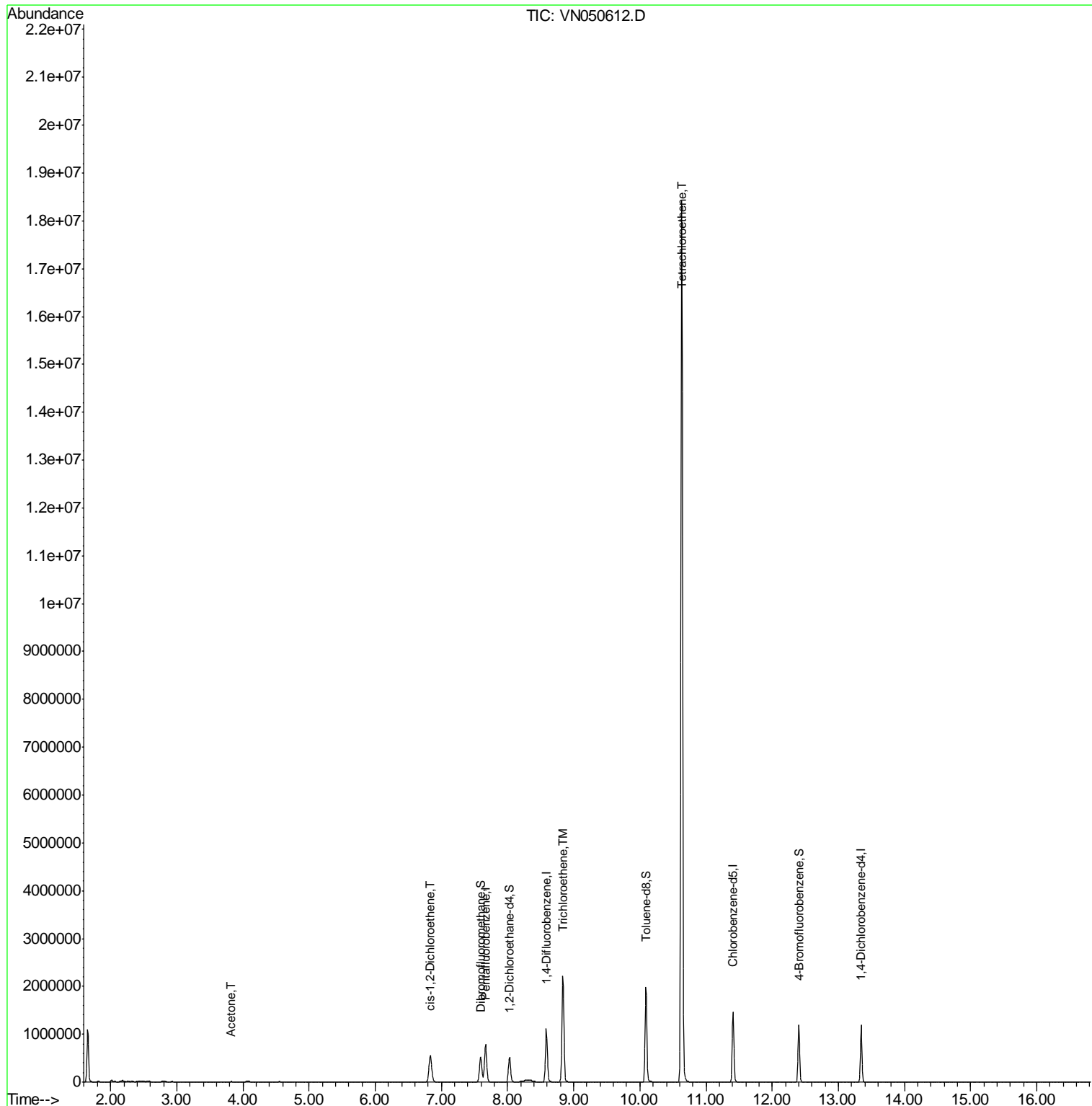
						Qvalue
16) Acetone	3.82	43	18378	7.29	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	395065	44.92	ug/l	91
44) Trichloroethene	8.84	130	876122	93.56	ug/l	99
64) Tetrachloroethene	10.63	164	4610320	543.04	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

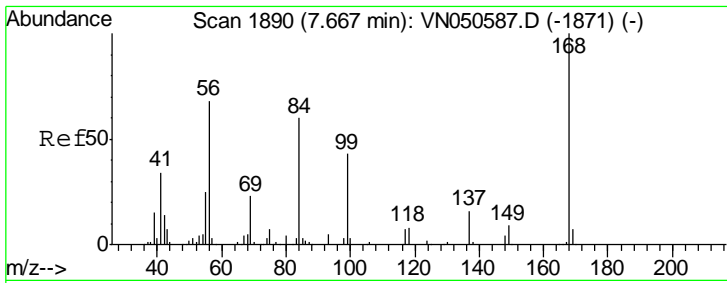
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050612.D
 Acq On : 14 Aug 2018 19:18
 Operator : MD\SY
 Sample : J4469-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 959-IW-16(19)

Quant Time: Aug 15 13:28:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



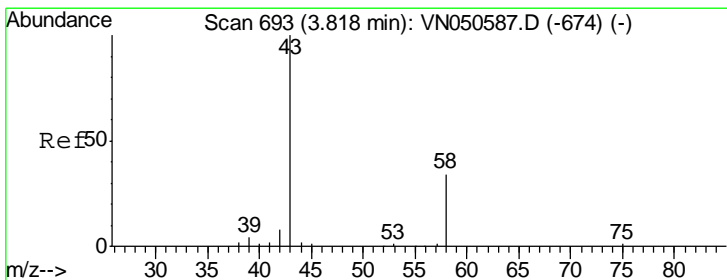
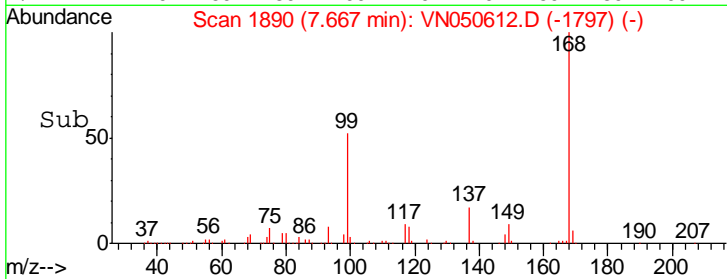
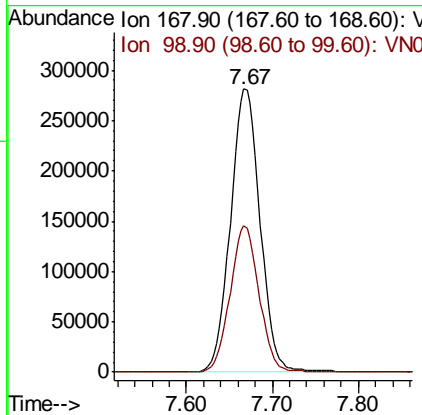
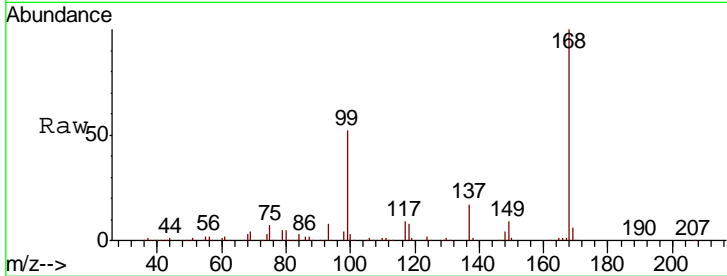
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050612.D
 Acq: 14 Aug 2018 19:18

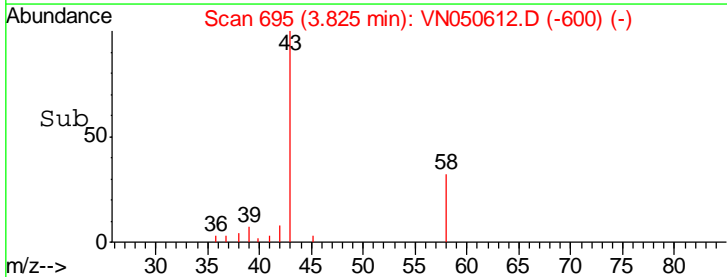
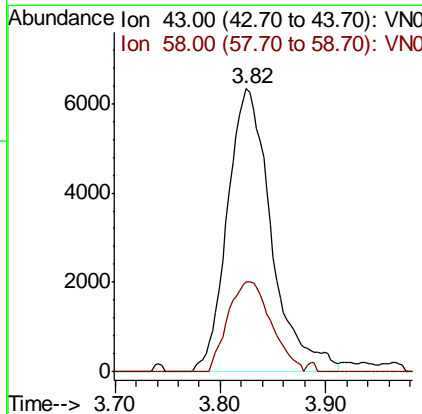
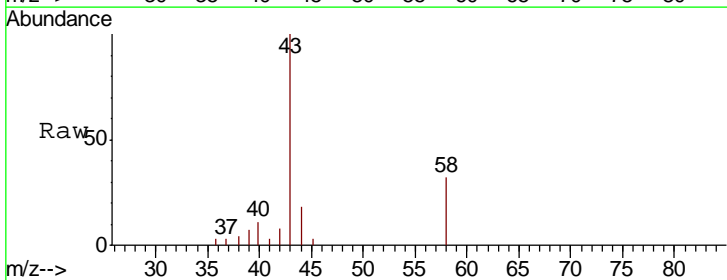
Instrument : MSVOA_N
 ClientSampled : 959-IW-16(19)

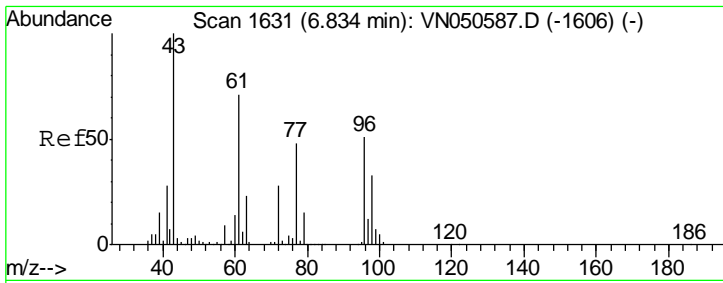
Tgt Ion	Resp	Lower	Upper
168	100		
99	51.7	40.8	61.2



#16
 Acetone
 Concen: 7.29 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN050612.D
 Acq: 14 Aug 2018 19:18

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.8	27.1	40.7

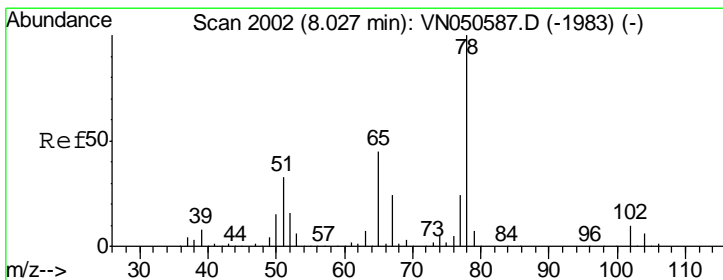
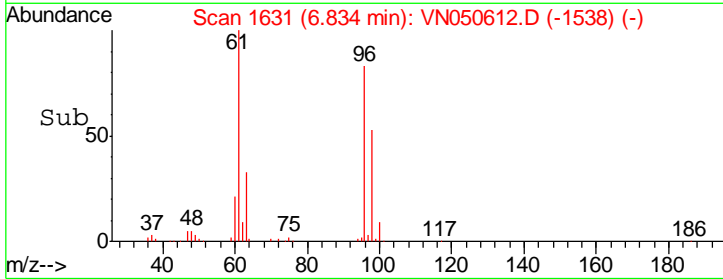
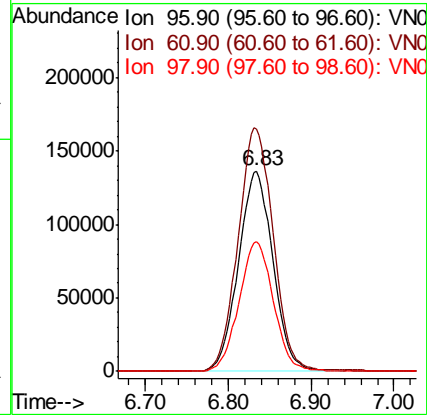
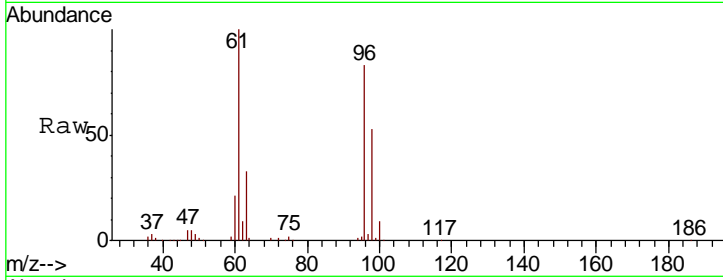




#27
 cis-1,2-Dichloroethene
 Concen: 44.92 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050612.D
 Acq: 14 Aug 2018 19:18

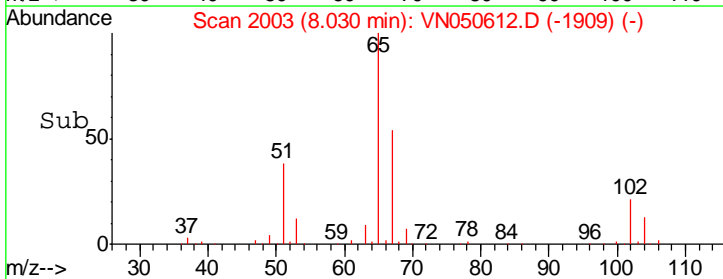
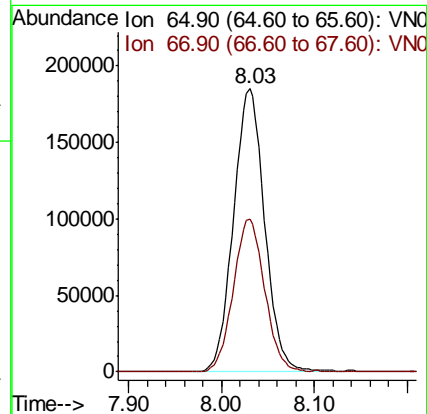
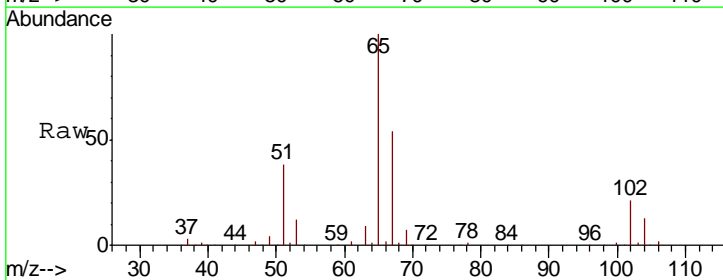
Instrument : MSVOA_N
 ClientSampled : 959-IW-16(19)

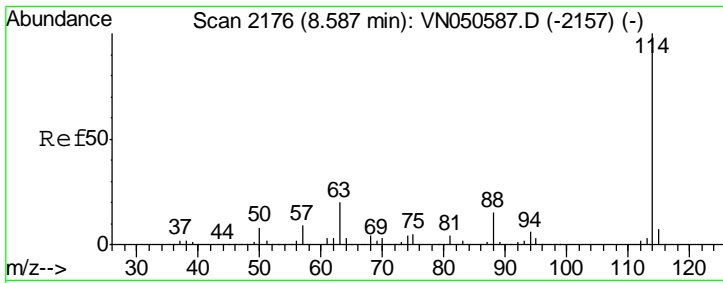
Tgt Ion	Resp	Lower	Upper
96	395065		
61	124.0	0.0	278.2
98	64.3	0.0	128.8



#33
 1,2-Dichloroethane-d4
 Concen: 51.02 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050612.D
 Acq: 14 Aug 2018 19:18

Tgt Ion	Resp	Lower	Upper
65	431744		
67	54.1	0.0	109.8

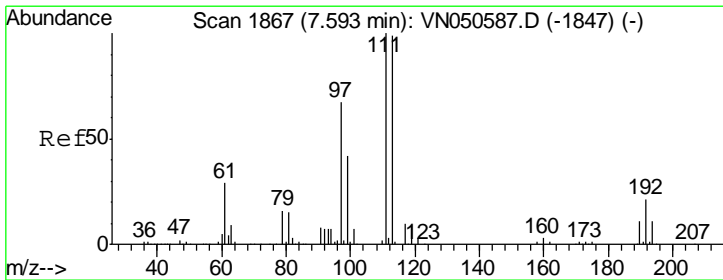
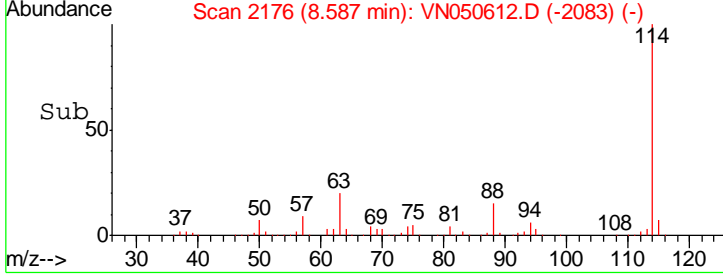
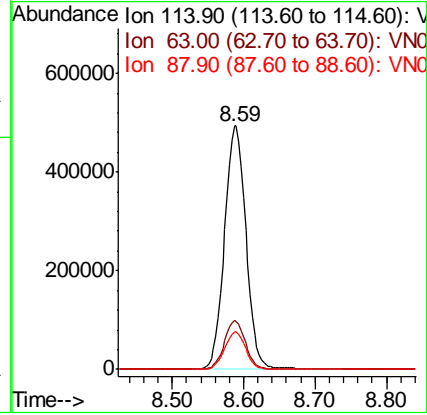
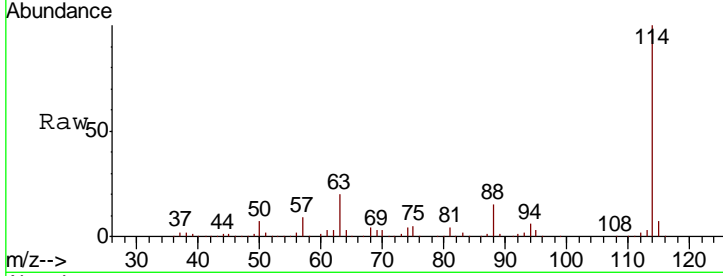




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050612.D
 Acq: 14 Aug 2018 19:18

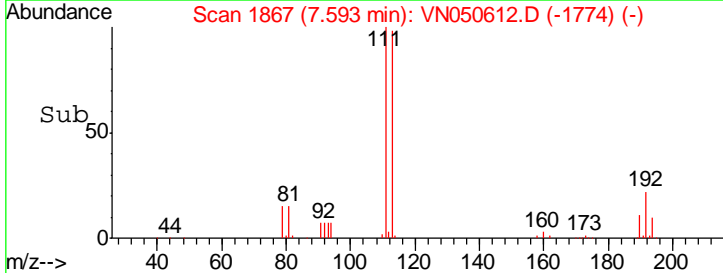
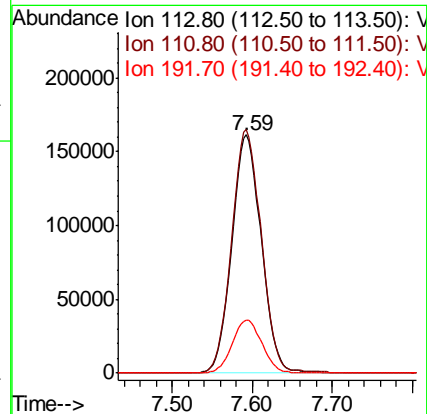
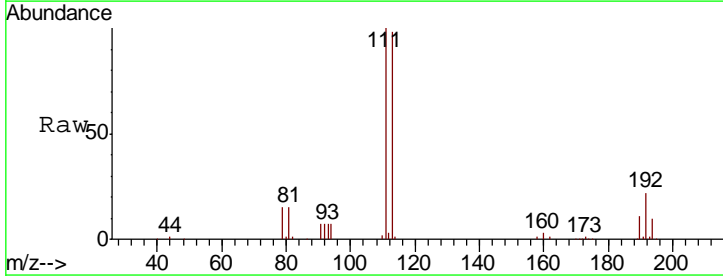
Instrument : MSVOA_N
 ClientSampled : 959-IW-16(19)

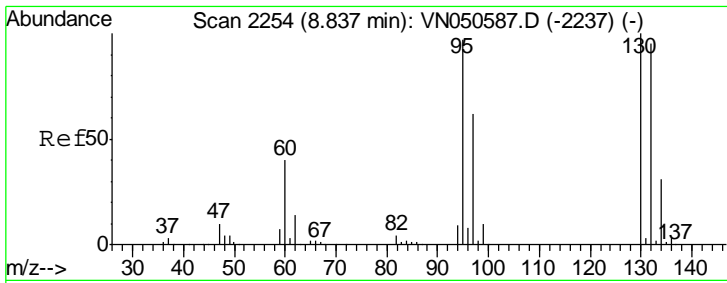
Tgt Ion	Resp	Lower	Upper
114	1032265		
63	19.9	0.0	40.0
88	15.3	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 49.22 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050612.D
 Acq: 14 Aug 2018 19:18

Tgt Ion	Resp	Lower	Upper
113	405637		
111	102.8	81.0	121.6
192	22.4	17.6	26.4

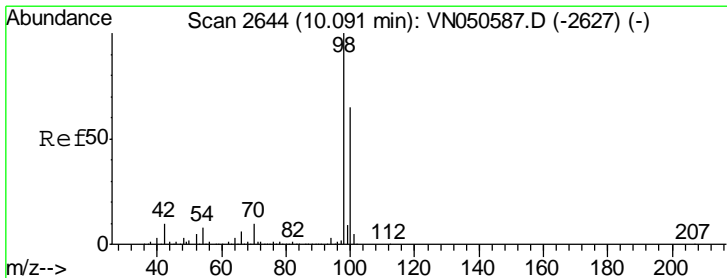
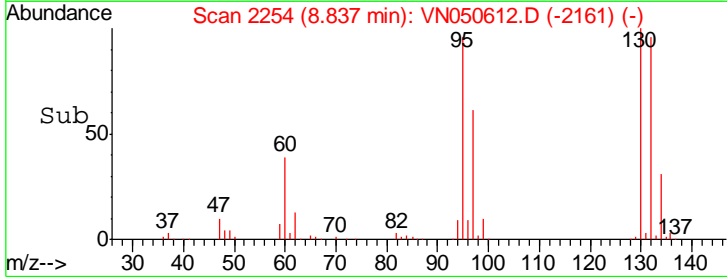
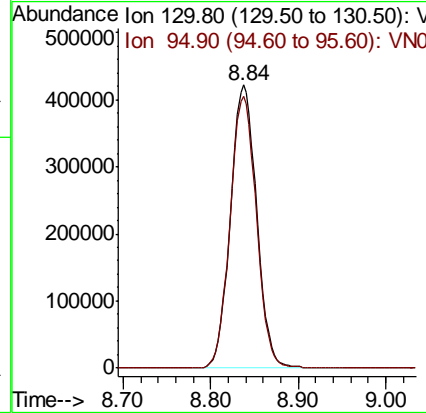
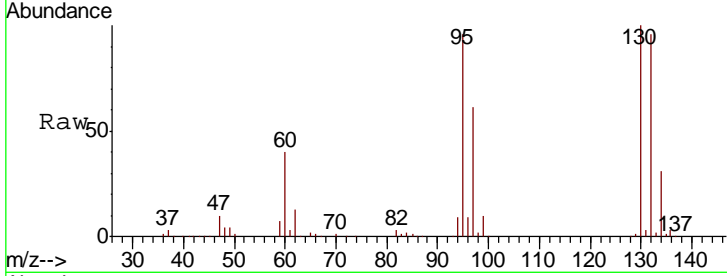




#44
 Trichloroethene
 Concen: 93.56 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050612.D
 Acq: 14 Aug 2018 19:18

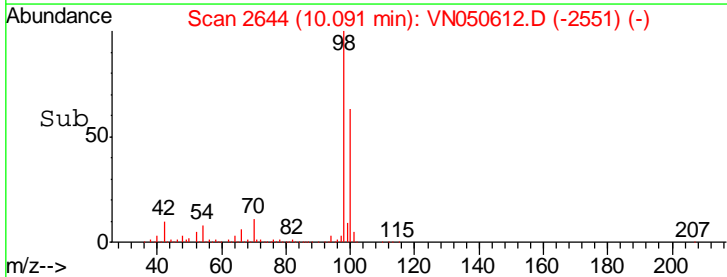
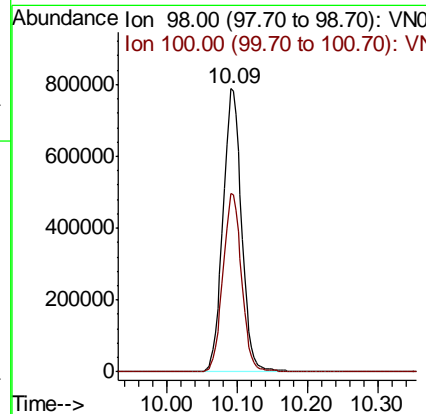
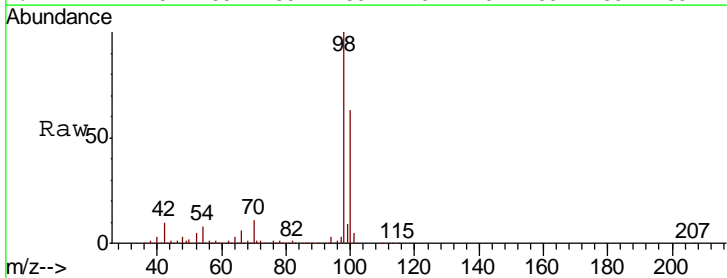
Instrument :
 MSVOA_N
 ClientSampled :
 959-IW-16(19)

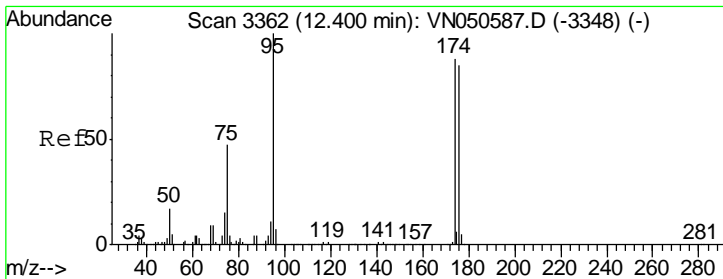
Tgt Ion	Resp	Lower	Upper
130	100		
95	95.8	0.0	193.8



#50
 Toluene-d8
 Concen: 46.81 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050612.D
 Acq: 14 Aug 2018 19:18

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.1	51.8	77.8

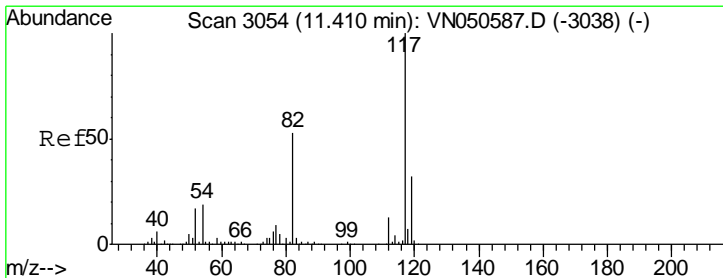
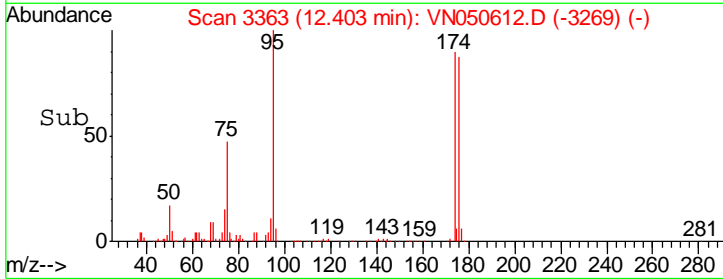
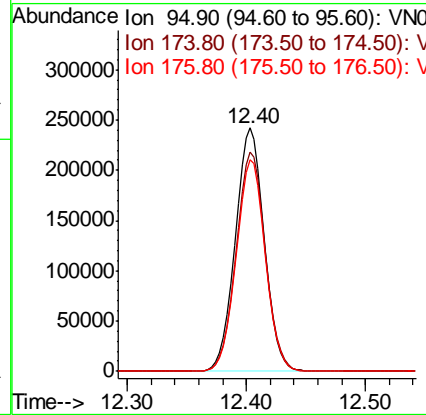
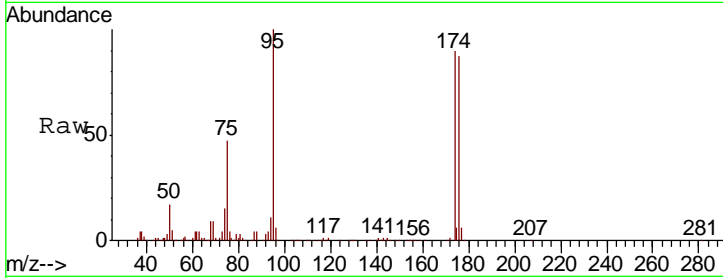




#62
 4-Bromofluorobenzene
 Concen: 39.58 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050612.D
 Acq: 14 Aug 2018 19:18

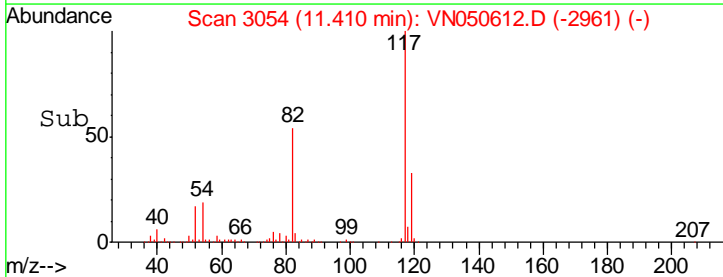
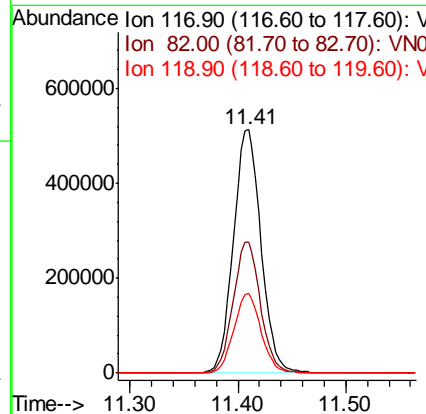
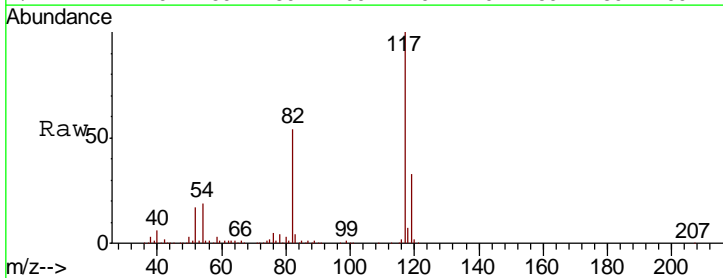
Instrument : MSVOA_N
 Client Sampled : 959-IW-16(19)

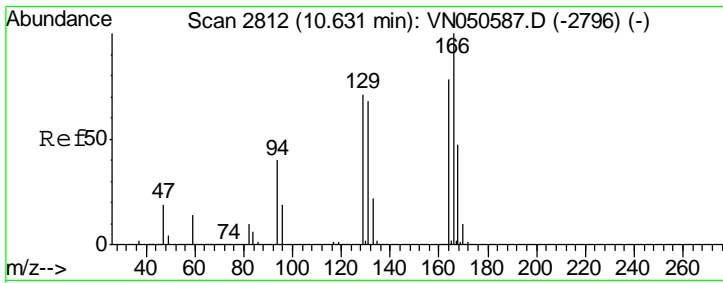
Tgt Ion	Resp	Lower	Upper
95	405527		
174	91.4	0.0	177.8
176	87.8	0.0	175.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050612.D
 Acq: 14 Aug 2018 19:18

Tgt Ion	Resp	Lower	Upper
117	914177		
82	54.0	42.4	63.6
119	32.5	25.8	38.8



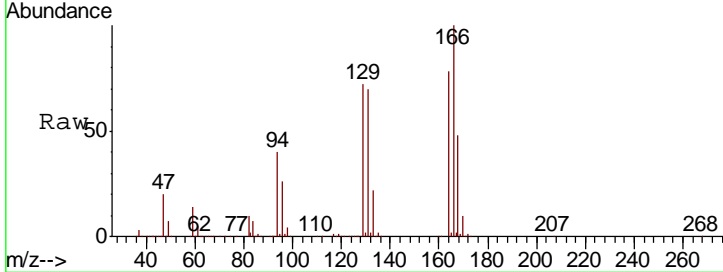


#64
 Tetrachloroethene
 Concen: 543.04 ug/l
 RT: 10.63 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: VN050612.D
 Acq: 14 Aug 2018 19:18

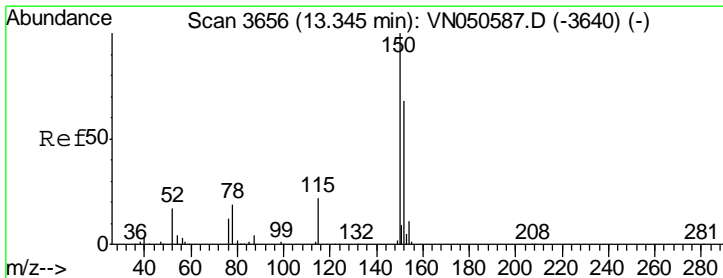
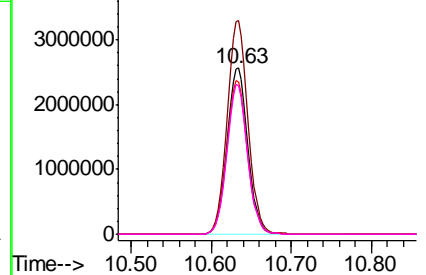
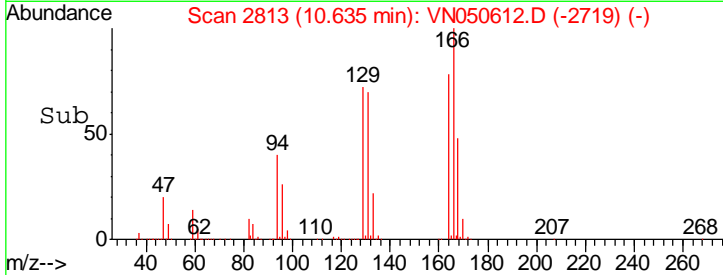
Instrument : MSVOA_N
 Client Sampled : 959-IW-16(19)

Tgt Ion:164 Resp: 4610320

Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.1	153.1
129	91.9	72.7	109.1
131	89.5	69.9	104.9



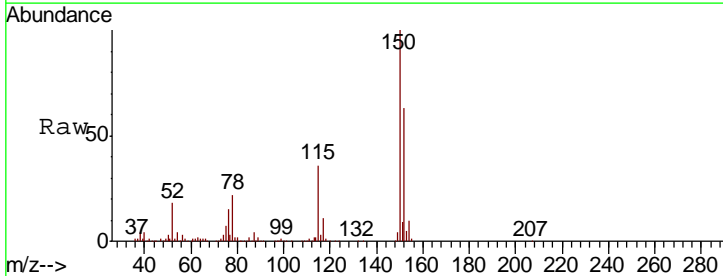
Abundance Ion 163.80 (163.50 to 164.50): V
 Ion 165.80 (165.50 to 166.50): V
 Ion 128.80 (128.50 to 129.50): V
 Ion 130.80 (130.50 to 131.50): V



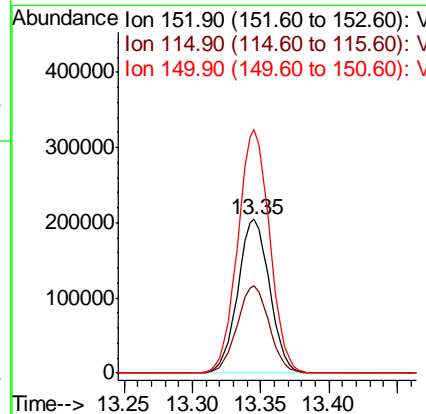
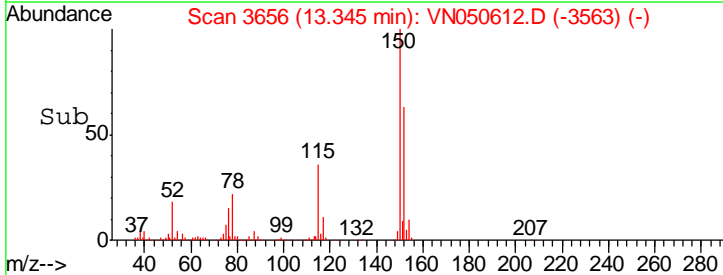
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050612.D
 Acq: 14 Aug 2018 19:18

Tgt Ion:152 Resp: 331010

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.1	84.2
150	158.6	0.0	347.8



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050612.D
 Acq On : 14 Aug 2018 19:18
 Operator : MD\SY
 Sample : J4469-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 959-IW-16(19)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.654	3	20	45	rBV	1104853	1810363	5.47%	3.115%
2	6.834	1607	1631	1662	rBV	562599	1649160	4.99%	2.838%
3	7.593	1847	1867	1878	rBV	526558	1309765	3.96%	2.254%
4	7.667	1878	1890	1918	rVB	780745	1854258	5.61%	3.191%
5	8.030	1984	2003	2033	rBV	515198	1201867	3.63%	2.068%
6	8.587	2160	2176	2210	rBV	1112099	2313825	6.99%	3.982%
7	8.837	2236	2254	2289	rBV	2211340	4624103	13.98%	7.957%
8	10.091	2628	2644	2672	rBV	1990740	3698589	11.18%	6.365%
9	10.632	2795	2812	2849	rBV	18418296	33079957	100.00%	56.925%
10	11.410	3038	3054	3080	rBV	1473326	2619744	7.92%	4.508%
11	12.403	3349	3363	3383	rBV	1186427	2011603	6.08%	3.462%
12	13.345	3640	3656	3672	rBV	1187663	1937771	5.86%	3.335%

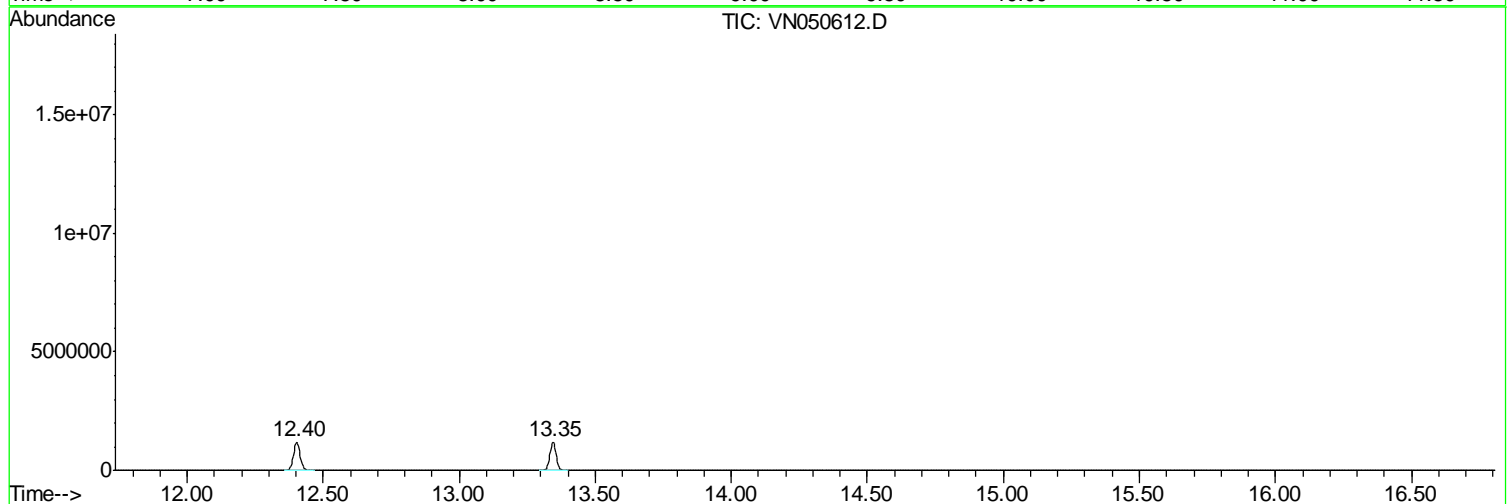
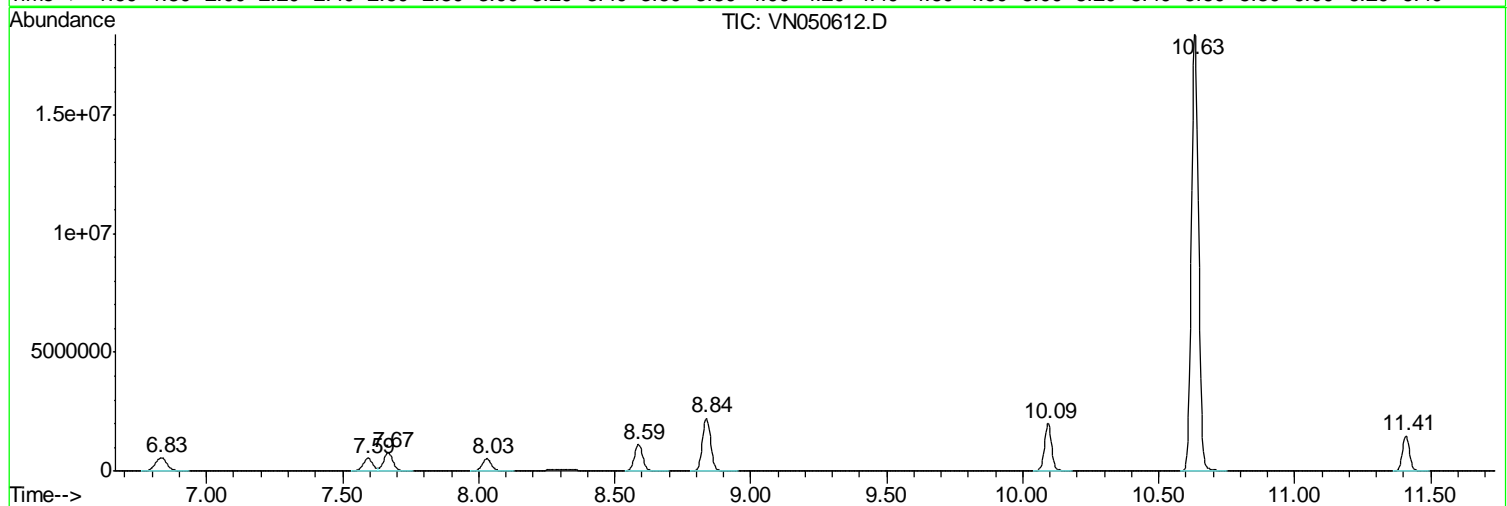
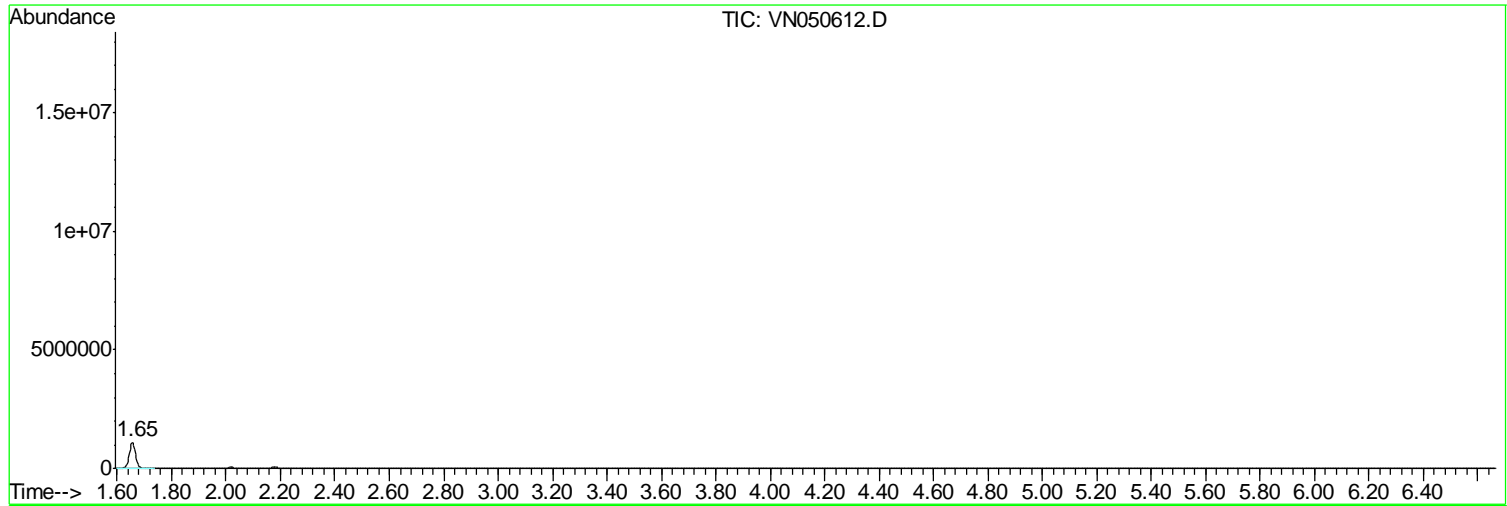
Sum of corrected areas: 58111005

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050612.D
Acq On : 14 Aug 2018 19:18
Operator : MD\SY
Sample : J4469-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
959-IW-16(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050612.D
Acq On : 14 Aug 2018 19:18
Operator : MD\SY
Sample : J4469-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
959-IW-16(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050612.D
 Acq On : 14 Aug 2018 19:18
 Operator : MD\SY
 Sample : J4469-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 959-IW-16(19)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	959-IW-16(19)DL	SDG No.:	J4469
Lab Sample ID:	J4469-04DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050645.D	10		08/15/18 11:06	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10	UD	2	2	10	ug/L
74-87-3	Chloromethane	10	UD	2	2	10	ug/L
75-01-4	Vinyl Chloride	10	UD	2	2	10	ug/L
74-83-9	Bromomethane	10	UD	2	2	10	ug/L
75-00-3	Chloroethane	10	UD	2	5	10	ug/L
75-69-4	Trichlorofluoromethane	10	UD	2	2	10	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10	UD	2	2	10	ug/L
75-35-4	1,1-Dichloroethene	10	UD	2	2	10	ug/L
67-64-1	Acetone	50	UD	5	10	50	ug/L
75-15-0	Carbon Disulfide	10	UD	2	2	10	ug/L
1634-04-4	Methyl tert-butyl Ether	10	UD	3.5	5	10	ug/L
79-20-9	Methyl Acetate	10	UD	2	5	10	ug/L
75-09-2	Methylene Chloride	10	UD	2	2	10	ug/L
156-60-5	trans-1,2-Dichloroethene	10	UD	2	2	10	ug/L
75-34-3	1,1-Dichloroethane	10	UD	2	2	10	ug/L
110-82-7	Cyclohexane	10	UD	2	2	10	ug/L
78-93-3	2-Butanone	50	UD	13.2	25	50	ug/L
56-23-5	Carbon Tetrachloride	10	UD	2	2	10	ug/L
156-59-2	cis-1,2-Dichloroethene	48.6	D	2	2	10	ug/L
74-97-5	Bromochloromethane	10	UD	2	5	10	ug/L
67-66-3	Chloroform	10	UD	2	2	10	ug/L
71-55-6	1,1,1-Trichloroethane	10	UD	2	2	10	ug/L
108-87-2	Methylcyclohexane	10	UD	2	2	10	ug/L
71-43-2	Benzene	10	UD	2	2	10	ug/L
107-06-2	1,2-Dichloroethane	10	UD	2	2	10	ug/L
79-01-6	Trichloroethene	84.3	D	2	2	10	ug/L
78-87-5	1,2-Dichloropropane	10	UD	2	2	10	ug/L
75-27-4	Bromodichloromethane	10	UD	2	2	10	ug/L
108-10-1	4-Methyl-2-Pentanone	50	UD	10	10	50	ug/L
108-88-3	Toluene	10	UD	2	2	10	ug/L
10061-02-6	t-1,3-Dichloropropene	10	UD	2	2	10	ug/L
10061-01-5	cis-1,3-Dichloropropene	10	UD	2	2	10	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	959-IW-16(19)DL	SDG No.:	J4469
Lab Sample ID:	J4469-04DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050645.D	10		08/15/18 11:06	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10	UD	2	2	10	ug/L
591-78-6	2-Hexanone	50	UD	19.4	25	50	ug/L
124-48-1	Dibromochloromethane	10	UD	2	2	10	ug/L
106-93-4	1,2-Dibromoethane	10	UD	2	2	10	ug/L
127-18-4	Tetrachloroethene	410	D	2	2	10	ug/L
108-90-7	Chlorobenzene	10	UD	2	2	10	ug/L
100-41-4	Ethyl Benzene	10	UD	2	2	10	ug/L
179601-23-1	m/p-Xylenes	20	UD	4	4	20	ug/L
95-47-6	o-Xylene	10	UD	2	2	10	ug/L
100-42-5	Styrene	10	UD	2	2	10	ug/L
75-25-2	Bromoform	10	UD	2	2	10	ug/L
98-82-8	Isopropylbenzene	10	UD	2	2	10	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10	UD	2	2	10	ug/L
541-73-1	1,3-Dichlorobenzene	10	UD	2	2	10	ug/L
106-46-7	1,4-Dichlorobenzene	10	UD	2	2	10	ug/L
95-50-1	1,2-Dichlorobenzene	10	UD	2	2	10	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10	UD	2	2	10	ug/L
120-82-1	1,2,4-Trichlorobenzene	10	UD	2	2	10	ug/L
87-61-6	1,2,3-Trichlorobenzene	10	UD	2	2	10	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		61 - 141		105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		69 - 133		98%	SPK: 50
2037-26-5	Toluene-d8	47.9		65 - 126		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		58 - 135		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	618124	7.67				
540-36-3	1,4-Difluorobenzene	967861	8.59				
3114-55-4	Chlorobenzene-d5	895108	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	339382	13.35				



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	959-IW-16(19)DL	SDG No.:	J4469
Lab Sample ID:	J4469-04DL	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050645.D	10		08/15/18 11:06	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements
 J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 () = Laboratory InHouse Limit
 A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050645.D
 Acq On : 15 Aug 2018 11:06
 Operator : MD\SY
 Sample : J4469-04DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 959-IW-16(19)DL

Quant Time: Aug 16 02:16:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

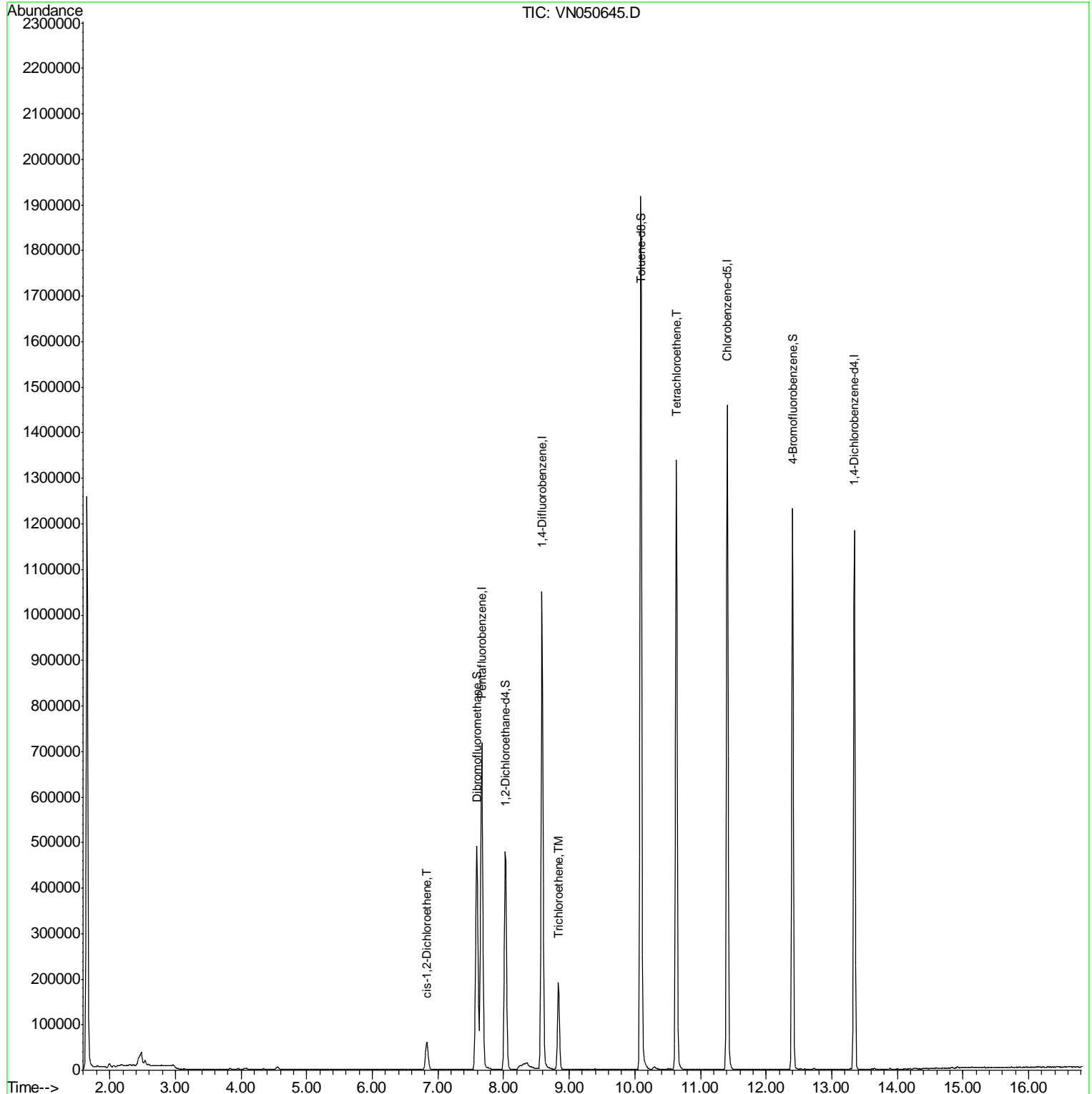
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	618124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	967861	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	895108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	339382	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	408518	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
35) Dibromofluoromethane	7.59	113	379857	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.09	98	1393701	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.40	95	411053	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	
Target Compounds						
27) cis-1,2-Dichloroethene	6.83	96	39337	4.86	ug/l	91
44) Trichloroethene	8.83	130	74037	8.43	ug/l	99
64) Tetrachloroethene	10.63	164	341183	41.04	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

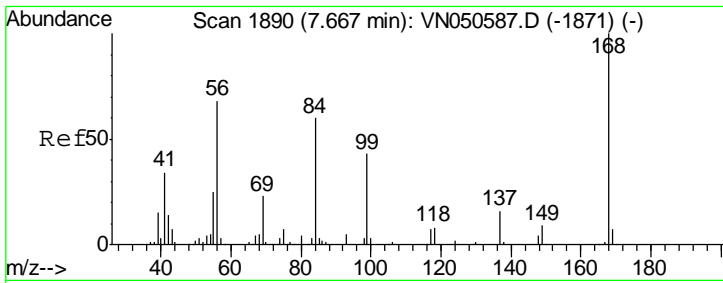
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050645.D
 Acq On : 15 Aug 2018 11:06
 Operator : MD\SY
 Sample : J4469-04DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 959-IW-16(19)DL

Quant Time: Aug 16 02:16:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



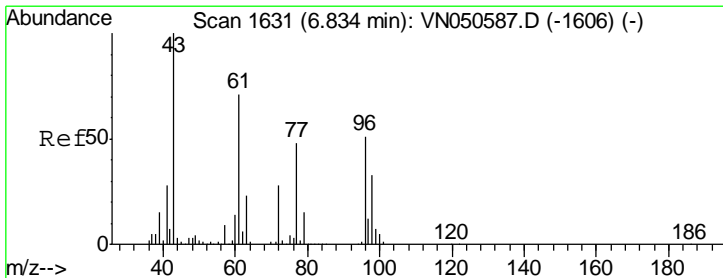
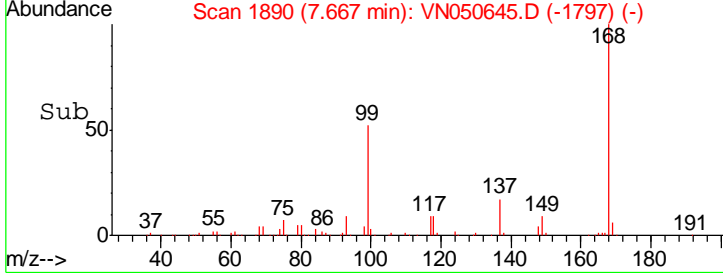
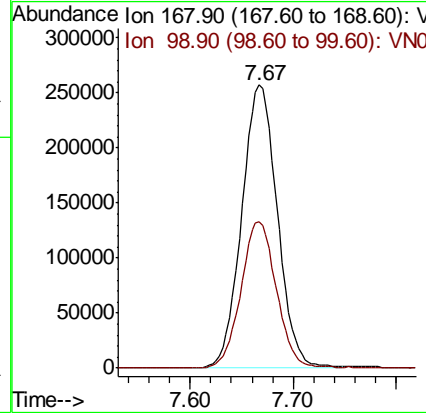
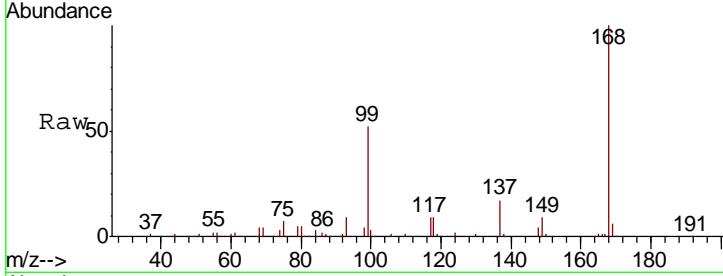
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050645.D
 Acq: 15 Aug 2018 11:06

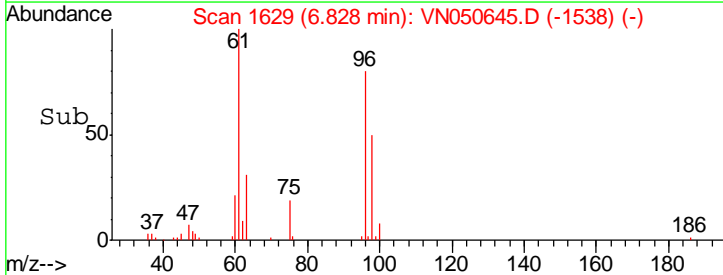
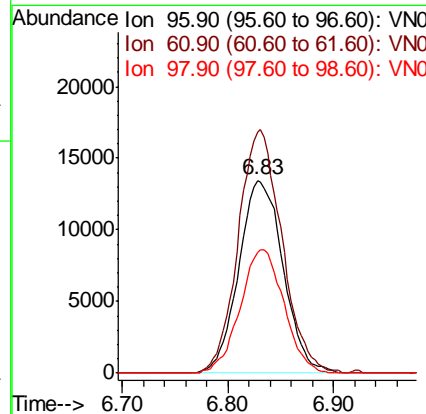
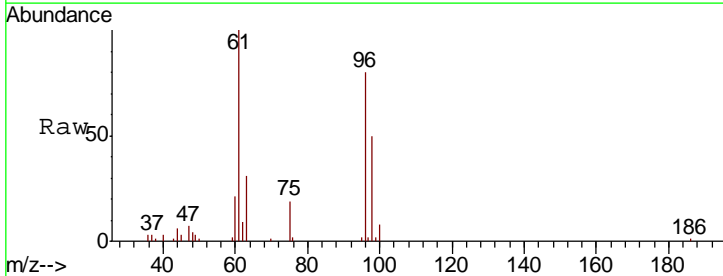
Instrument :
 MSVOA_N
 ClientSampleId :
 959-IW-16(19)DL

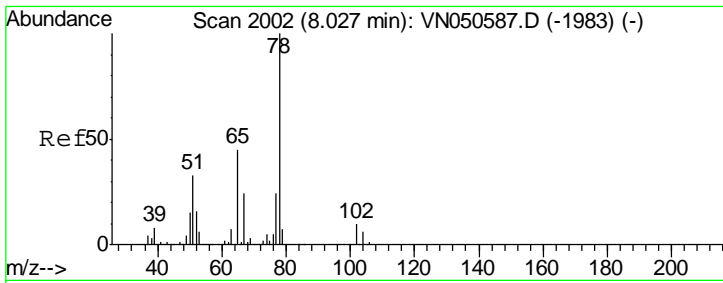
Tgt Ion	Resp	Lower	Upper
168	100		
99	51.8	40.8	61.2



#27
 cis-1,2-Dichloroethene
 Concen: 4.86 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VN050645.D
 Acq: 15 Aug 2018 11:06

Tgt Ion	Resp	Lower	Upper
96	100		
61	124.0	0.0	278.2
98	63.2	0.0	128.8

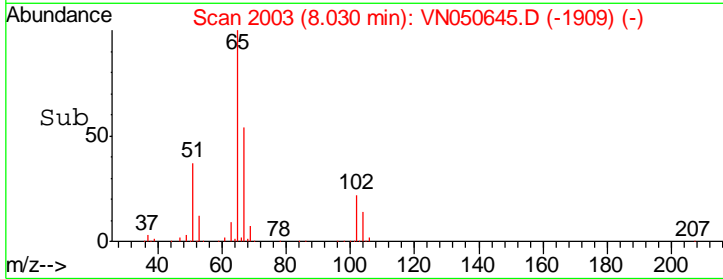
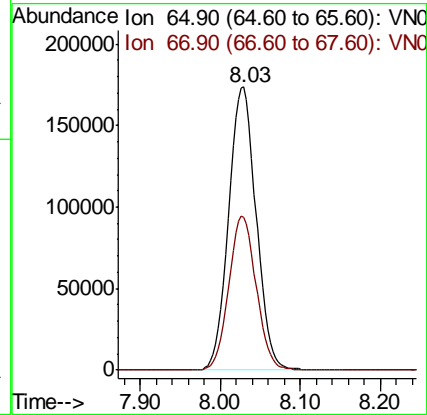
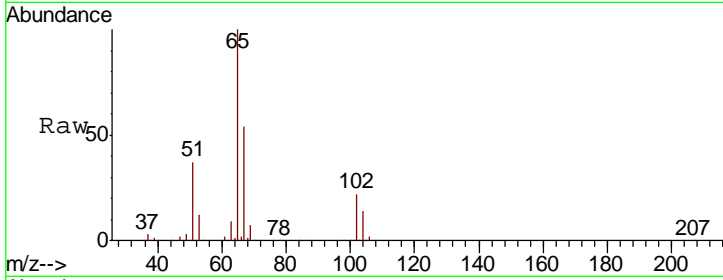




#33
 1,2-Dichloroethane-d4
 Concen: 52.43 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050645.D
 Acq: 15 Aug 2018 11:06

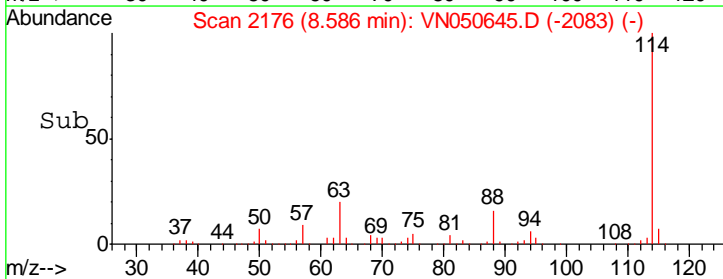
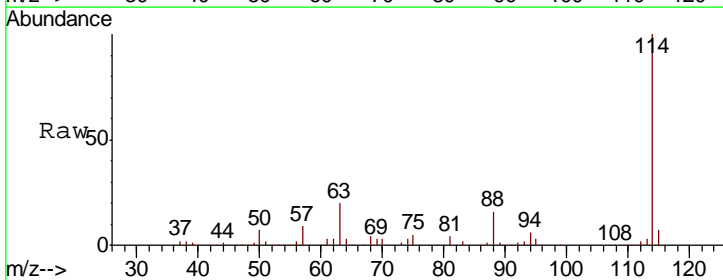
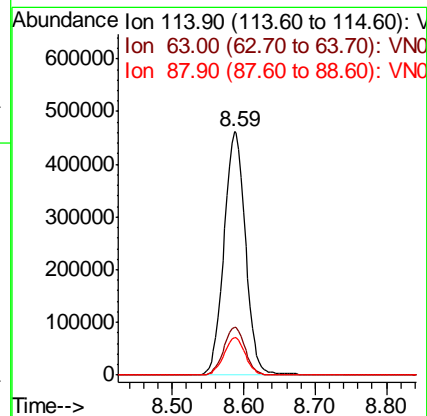
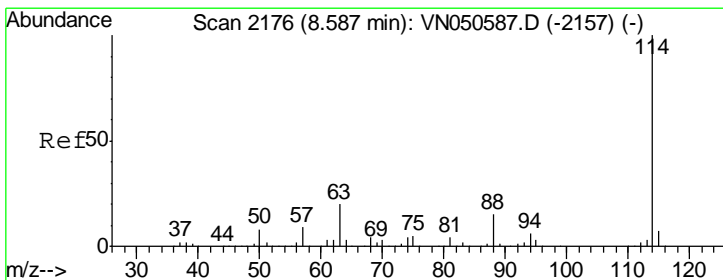
Instrument : MSVOA_N
 ClientSampleId : 959-IW-16(19)DL

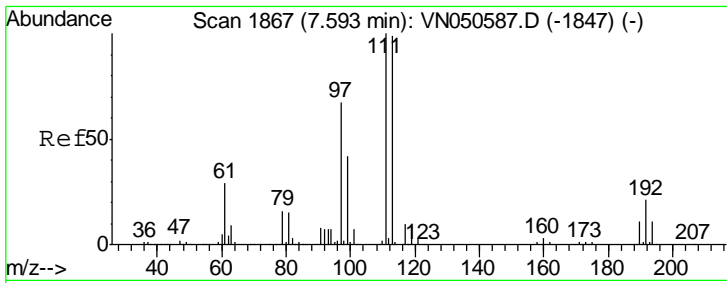
Tgt Ion	Resp	Lower	Upper
65	408518		
65	100		
67	54.0	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050645.D
 Acq: 15 Aug 2018 11:06

Tgt Ion	Resp	Lower	Upper
114	967861		
114	100		
63	19.8	0.0	40.0
88	15.6	0.0	30.8

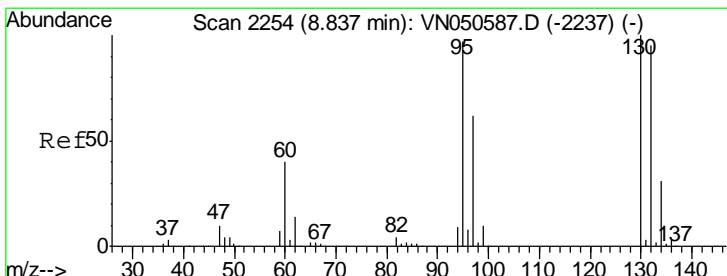
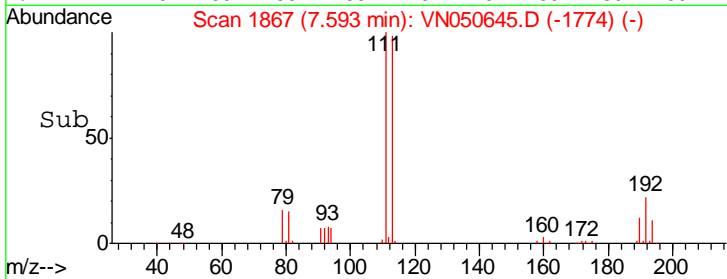
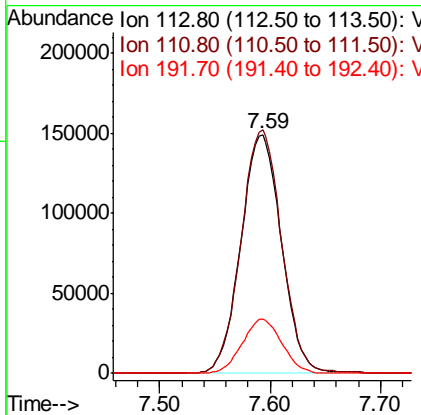
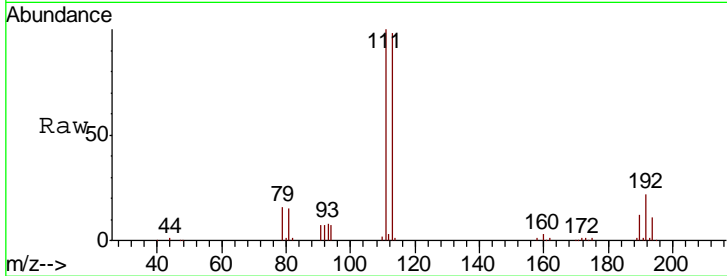




#35
 Dibromofluoromethane
 Concen: 49.16 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050645.D
 Acq: 15 Aug 2018 11:06

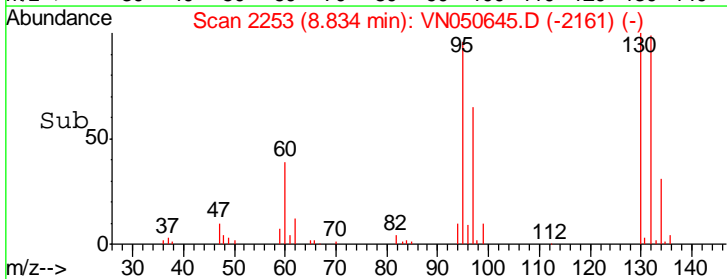
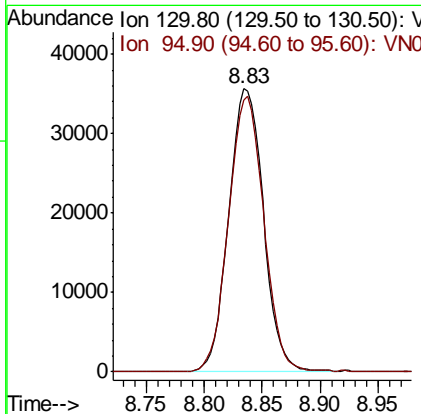
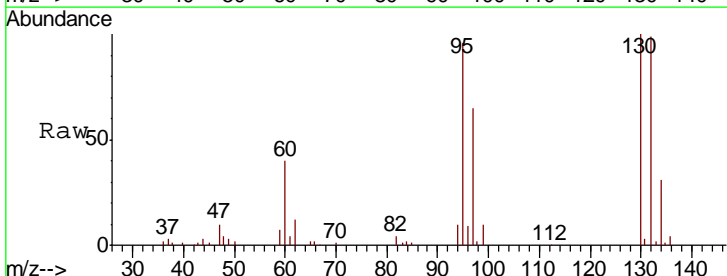
Instrument : MSVOA_N
 ClientSampled : 959-IW-16(19)DL

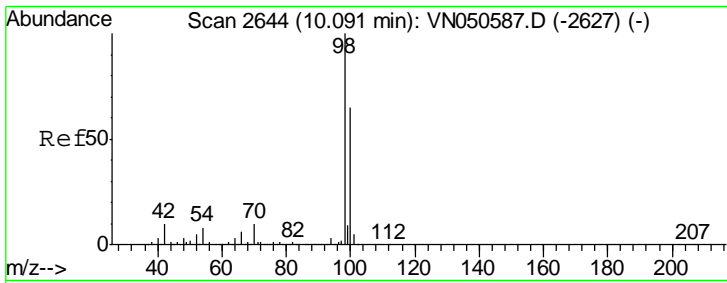
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.2	81.0	121.6
192	22.3	17.6	26.4



#44
 Trichloroethene
 Concen: 8.43 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050645.D
 Acq: 15 Aug 2018 11:06

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.1	0.0	193.8

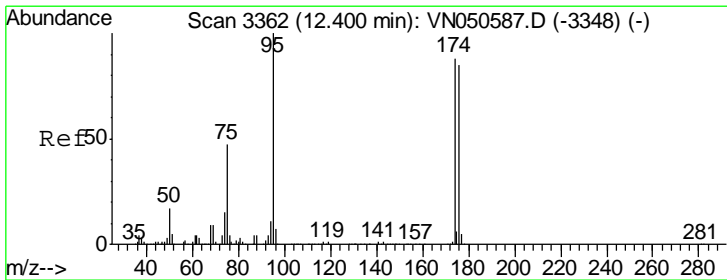
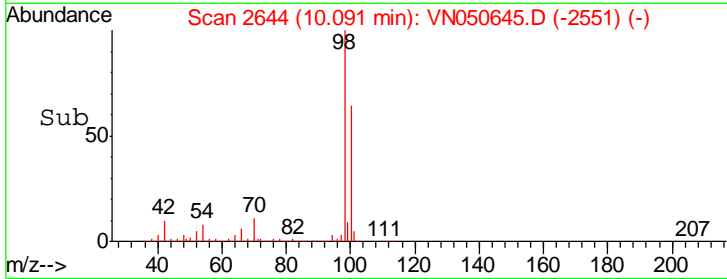
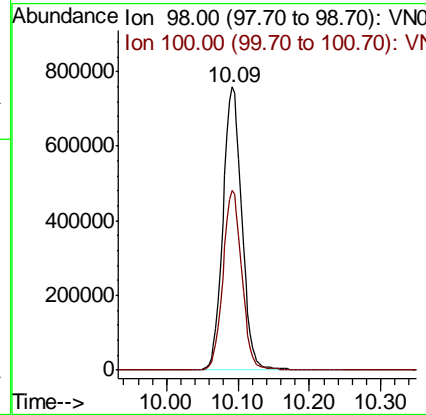
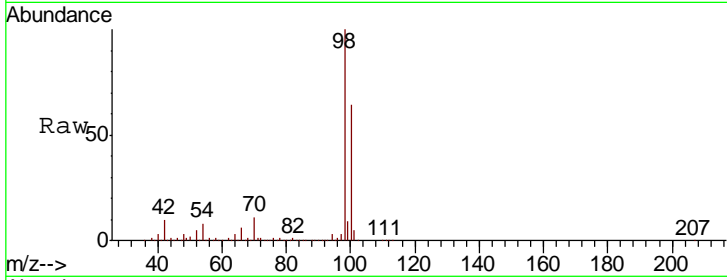




#50
 Toluene-d8
 Concen: 47.92 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050645.D
 Acq: 15 Aug 2018 11:06

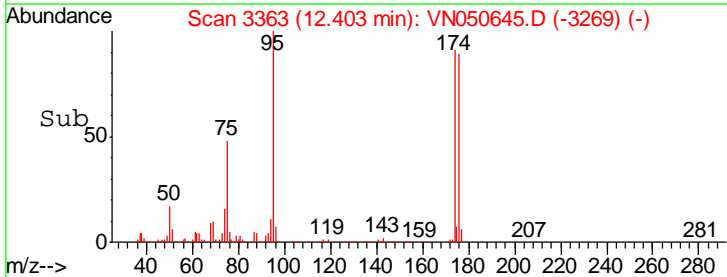
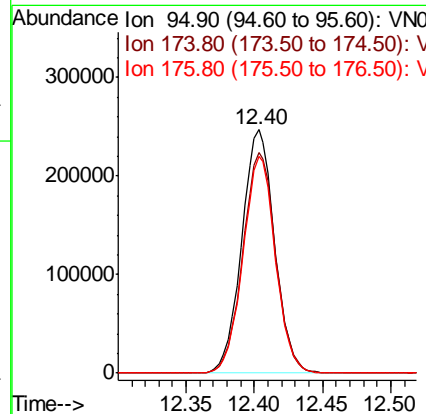
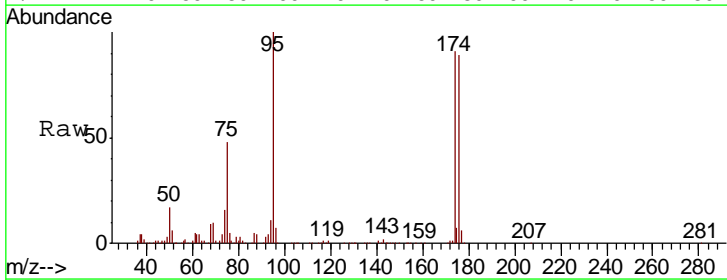
Instrument : MSVOA_N
 ClientSampled : 959-IW-16(19)DL

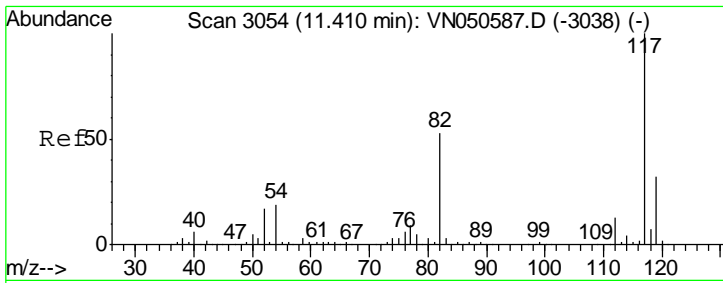
Tgt Ion	Resp	Lower	Upper
98	1393701		
98	100		
100	63.2	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 42.79 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050645.D
 Acq: 15 Aug 2018 11:06

Tgt Ion	Resp	Lower	Upper
95	411053		
95	100		
174	91.3	0.0	177.8
176	88.1	0.0	175.0

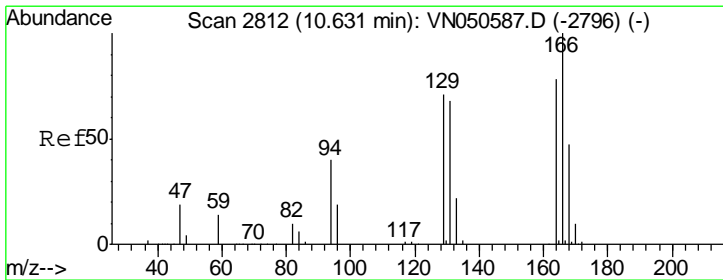
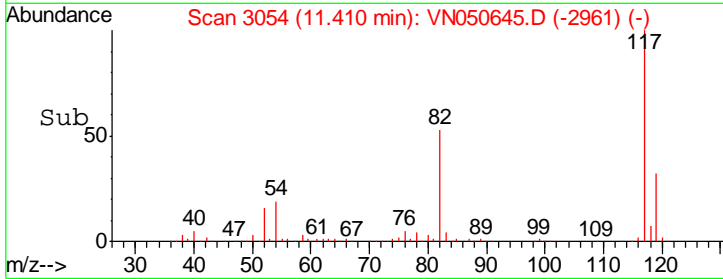
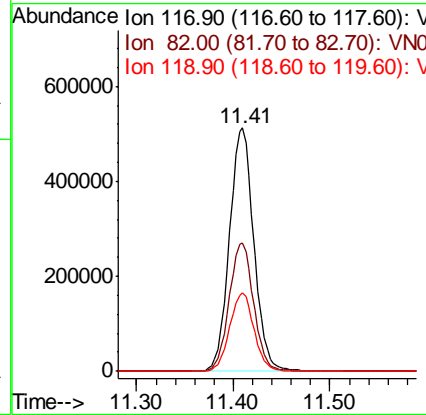
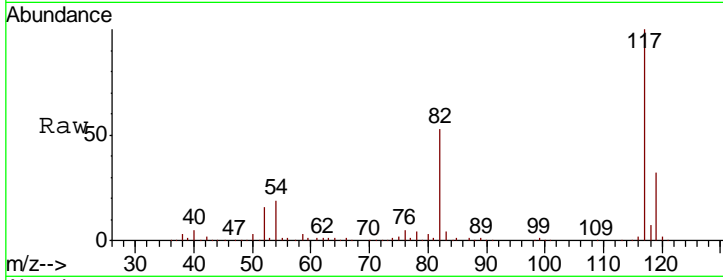




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050645.D
 Acq: 15 Aug 2018 11:06

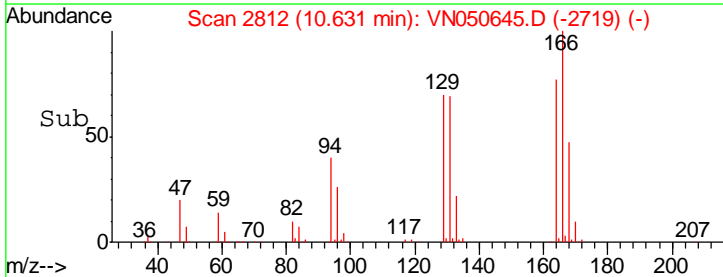
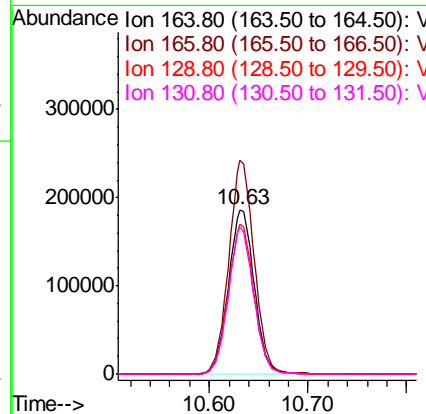
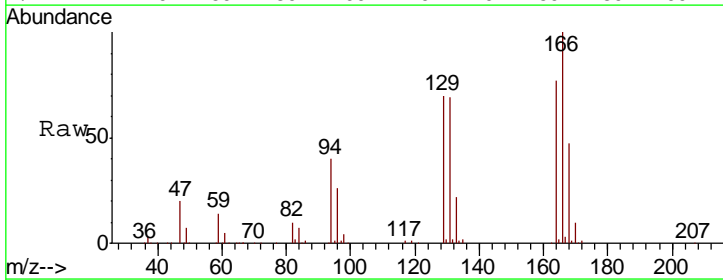
Instrument : MSVOA_N
 ClientSampled : 959-IW-16(19)DL

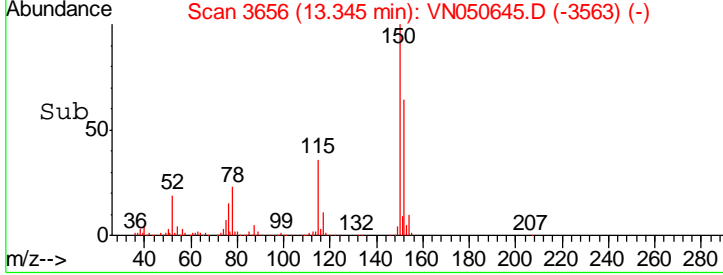
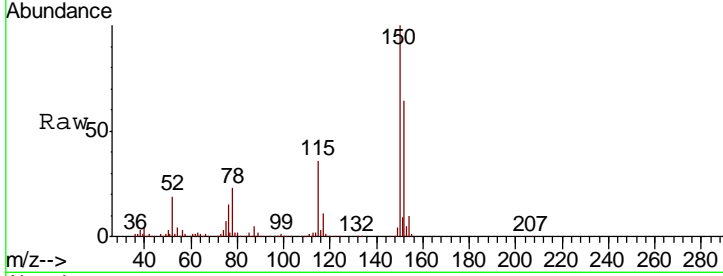
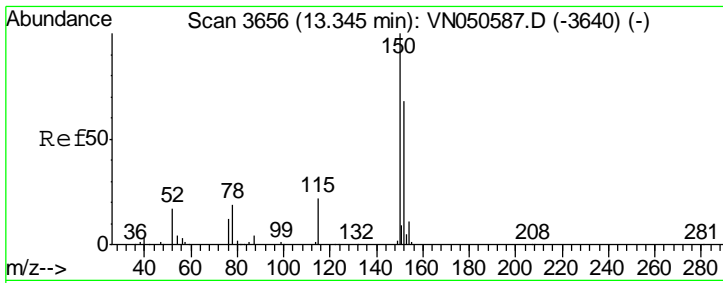
Tgt Ion	Resp	Lower	Upper
117	100		
82	52.8	42.4	63.6
119	32.2	25.8	38.8



#64
 Tetrachloroethene
 Concen: 41.04 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050645.D
 Acq: 15 Aug 2018 11:06

Tgt Ion	Resp	Lower	Upper
164	100		
166	130.2	102.1	153.1
129	91.0	72.7	109.1
131	90.0	69.9	104.9

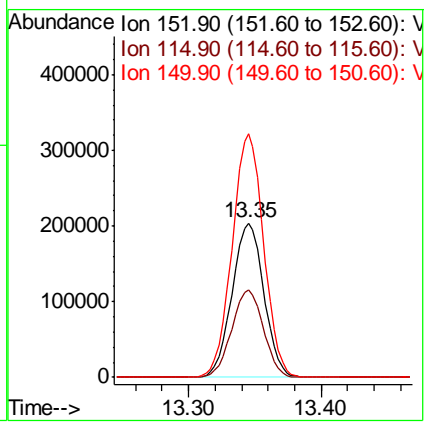




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050645.D
 Acq: 15 Aug 2018 11:06

Instrument : MSVOA_N
 ClientSampleId : 959-IW-16(19)DL

Tot Ion	Resp	Lower	Upper
152	100		
115	56.4	28.1	84.2
150	156.1	0.0	347.8





284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	960-IW-21(17)	SDG No.:	J4469
Lab Sample ID:	J4469-05	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050613.D	1		08/14/18 19:43	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	0.98	J	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	6.1		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	43.9		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	19.1		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050613.D
 Acq On : 14 Aug 2018 19:43
 Operator : MD\SY
 Sample : J4469-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 960-IW-21(17)

Quant Time: Aug 15 13:32:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

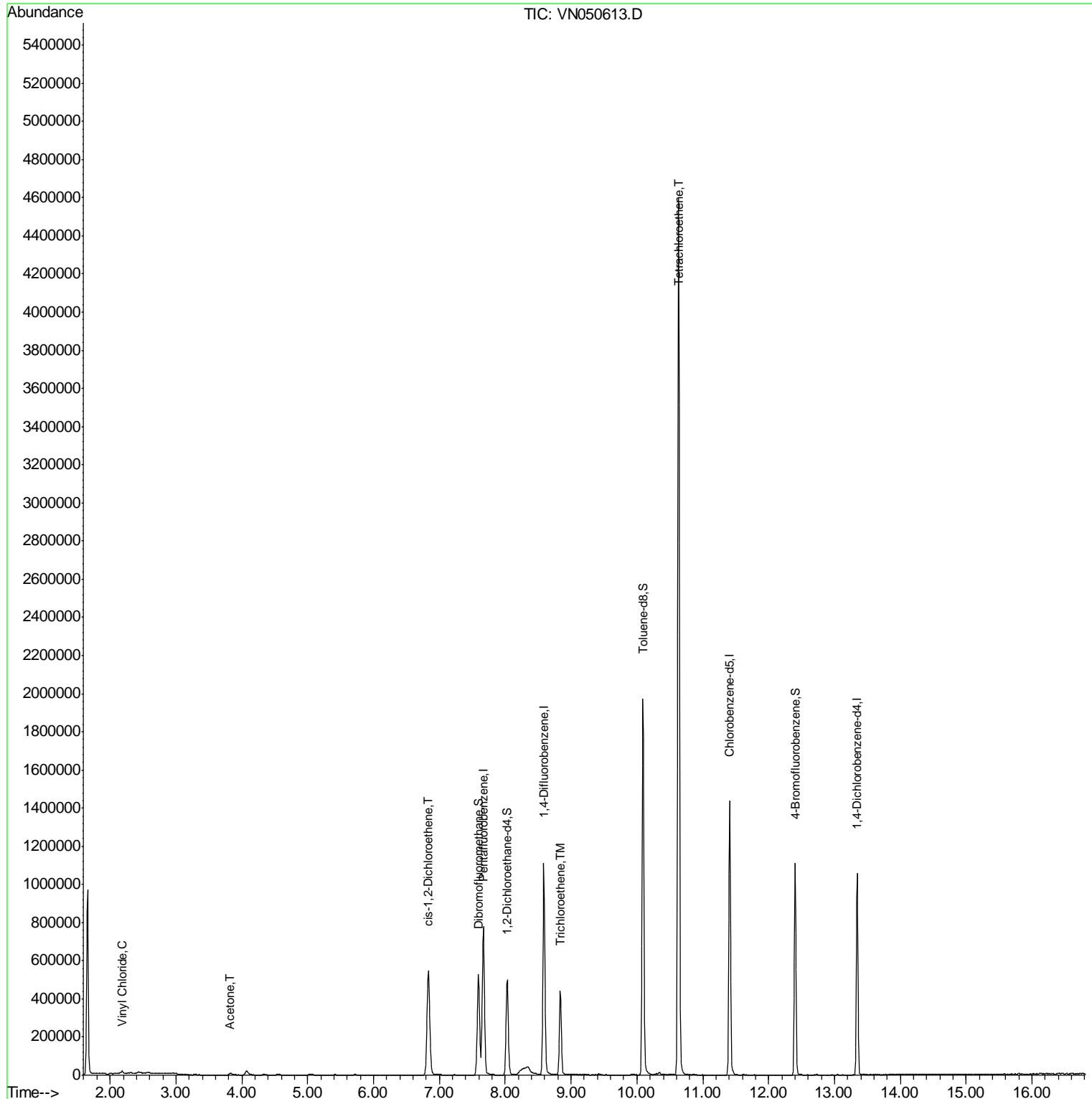
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	670176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1018571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	878169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	298973	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	425202	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	7.59	113	407961	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.09	98	1428996	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
62) 4-Bromofluorobenzene	12.40	95	380092	37.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.18%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.18	62	9880	0.98	ug/l	98
16) Acetone	3.82	43	15804	6.08	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	385639	43.93	ug/l	92
44) Trichloroethene	8.84	130	176116	19.06	ug/l	98
64) Tetrachloroethene	10.63	164	1166241	143.00	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

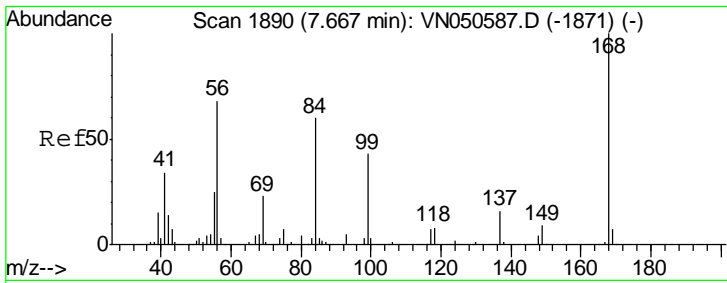
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050613.D
 Acq On : 14 Aug 2018 19:43
 Operator : MD\SY
 Sample : J4469-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 960-IW-21(17)

Quant Time: Aug 15 13:32:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



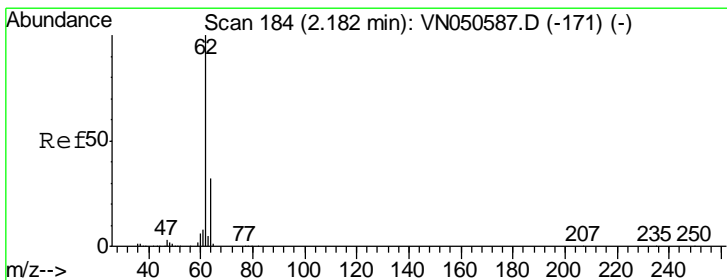
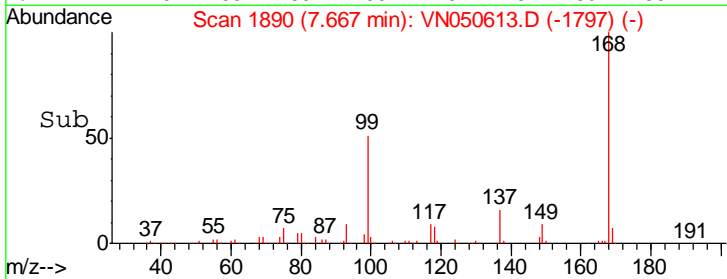
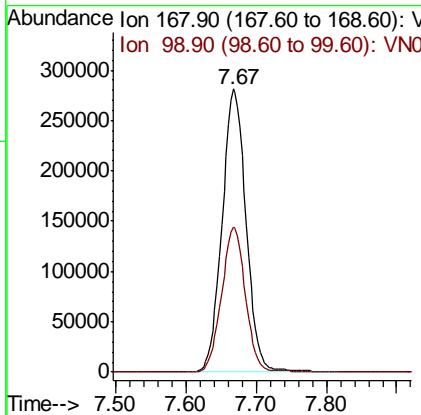
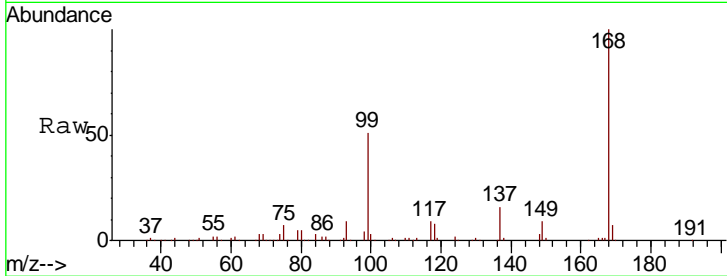
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

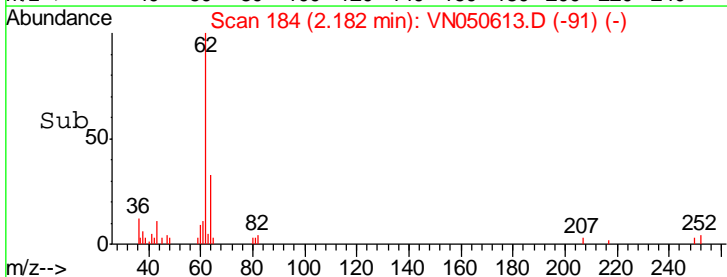
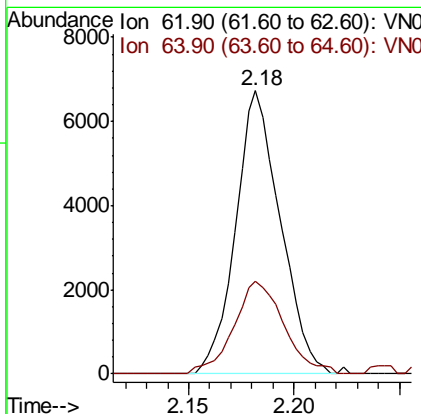
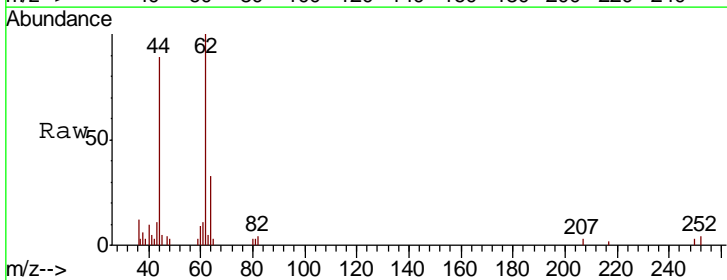
Instrument :
 MSVOA_N
 ClientSampleId :
 960-IW-21(17)

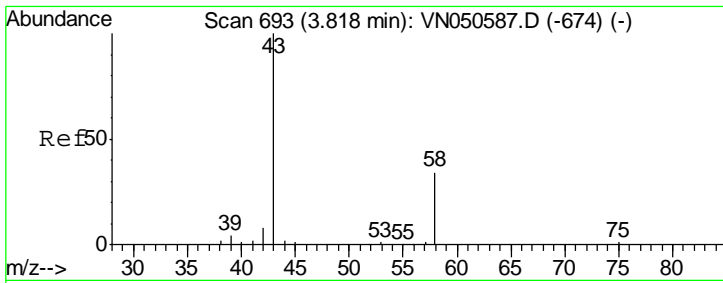
Tgt Ion	Resp	Lower	Upper
168	100		
99	51.1	40.8	61.2



#4
 Vinyl Chloride
 Concen: 0.98 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.6	25.2	37.8

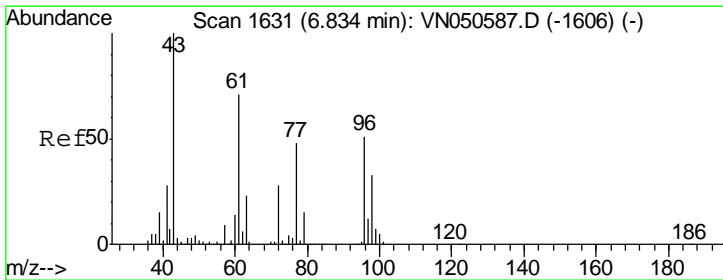
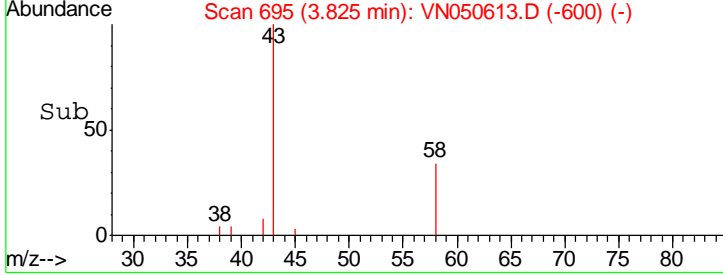
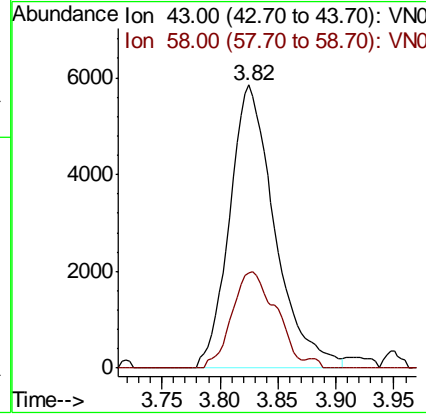
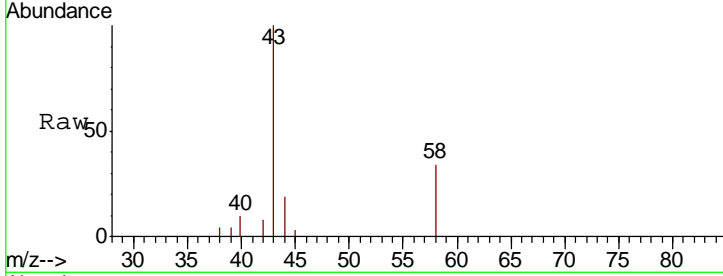




#16
 Acetone
 Concen: 6.08 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

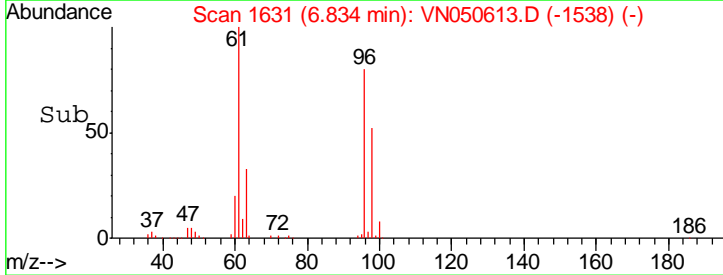
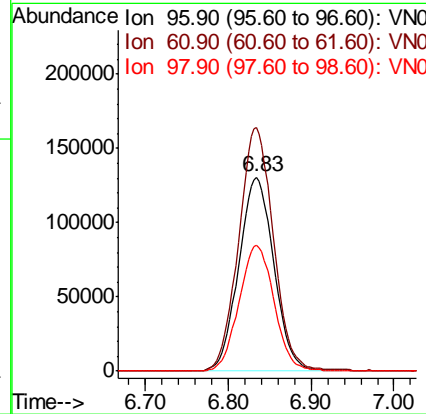
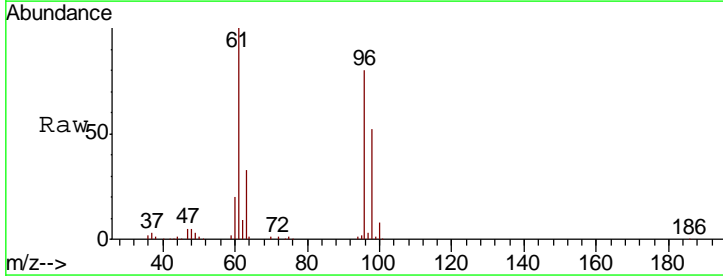
Instrument : MSVOA_N
 Client Sampled : 960-IW-21(17)

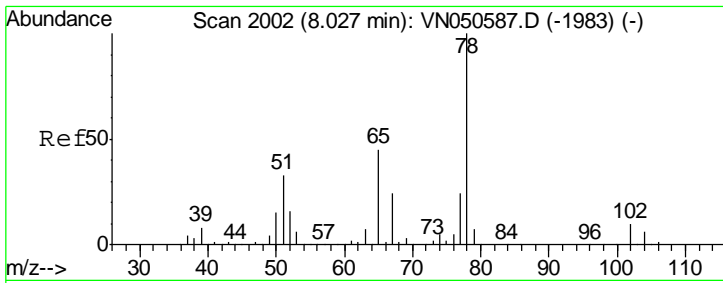
Tgt Ion	Resp	Lower	Upper
43	15804		
43	100		
58	33.6	27.1	40.7



#27
 cis-1,2-Dichloroethene
 Concen: 43.93 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

Tgt Ion	Resp	Lower	Upper
96	385639		
96	100		
61	124.4	0.0	278.2
98	64.6	0.0	128.8

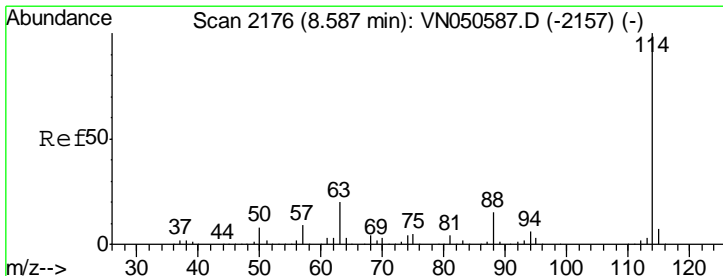
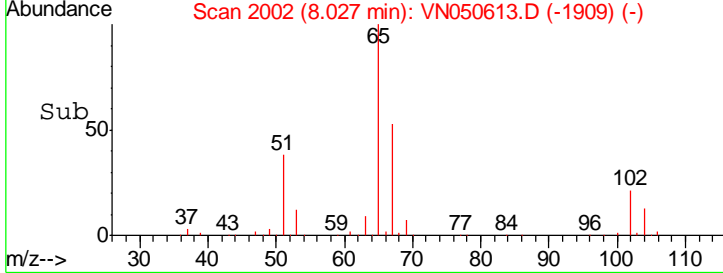
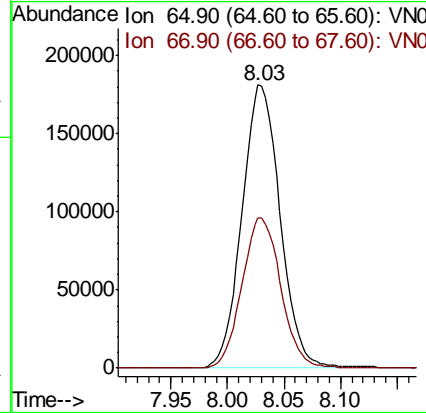
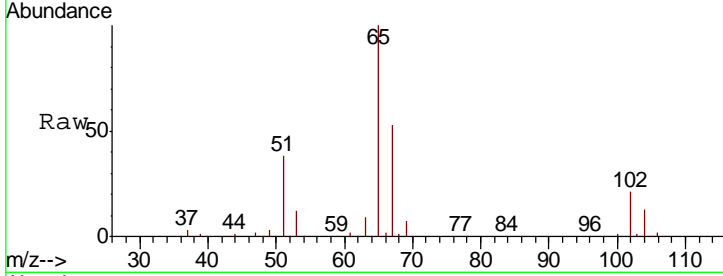




#33
 1,2-Dichloroethane-d4
 Concen: 50.33 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

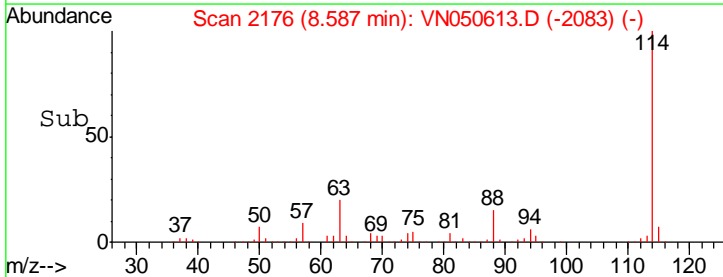
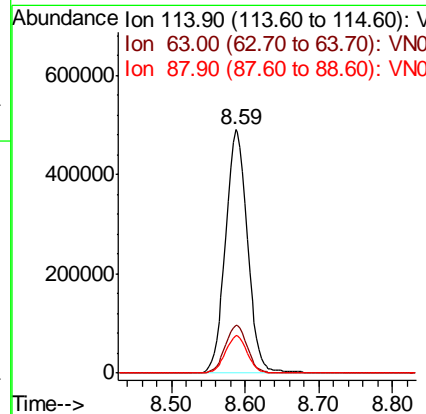
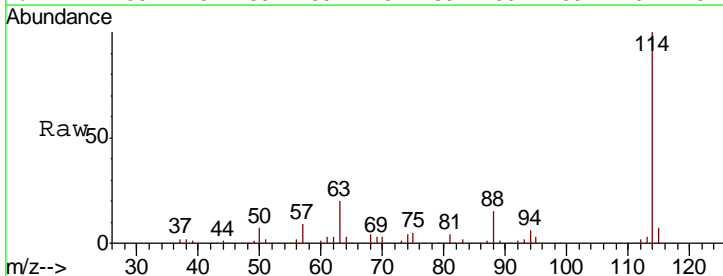
Instrument : MSVOA_N
 ClientSampleId : 960-IW-21(17)

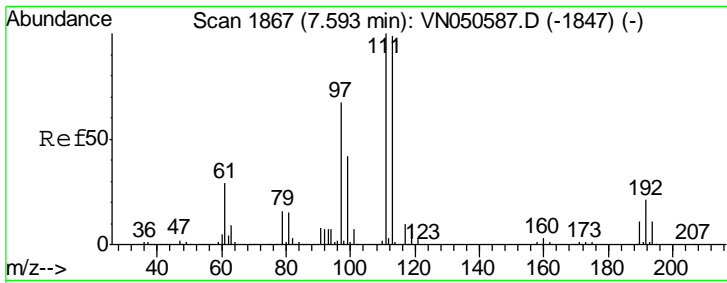
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.2	0.0	109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	15.4	0.0	30.8

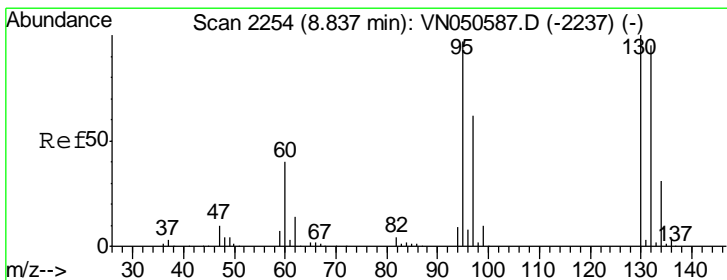
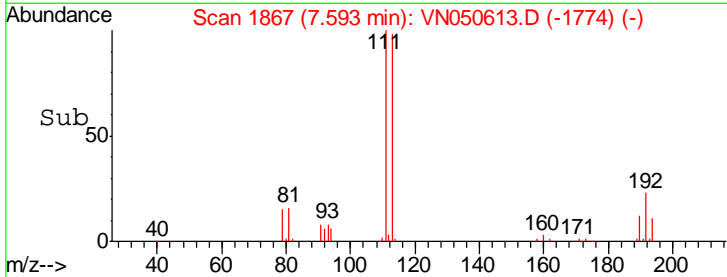
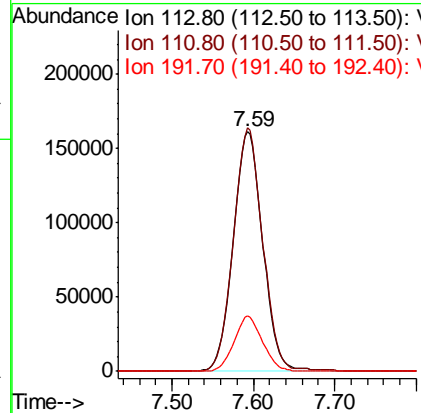
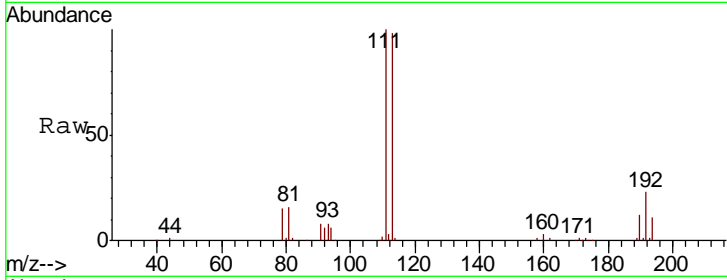




#35
 Dibromofluoromethane
 Concen: 50.17 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

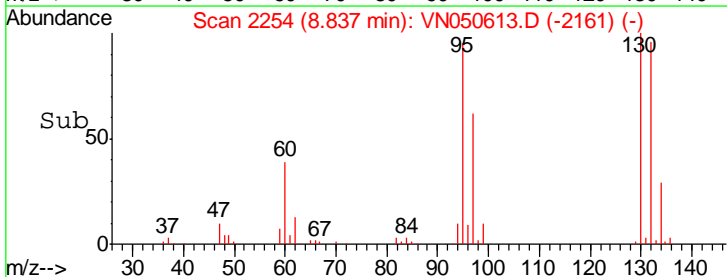
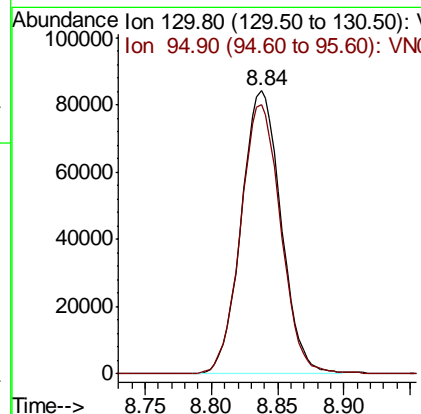
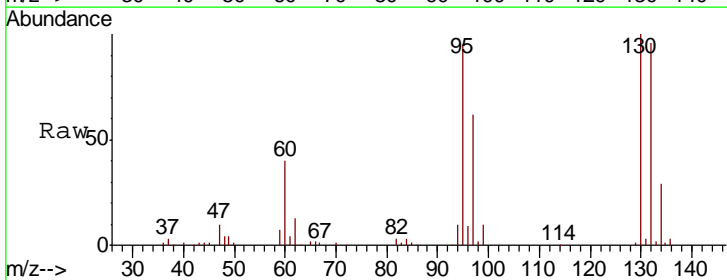
Instrument : MSVOA_N
 Client Sampled : 960-IW-21(17)

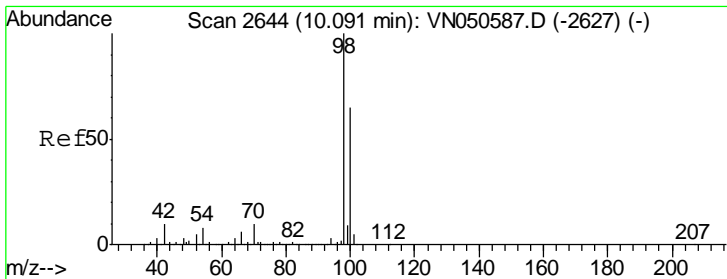
Tgt Ion	Resp	Lower	Upper
113	100		
111	100.2	81.0	121.6
192	22.2	17.6	26.4



#44
 Trichloroethene
 Concen: 19.06 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

Tgt Ion	Resp	Lower	Upper
130	100		
95	95.1	0.0	193.8

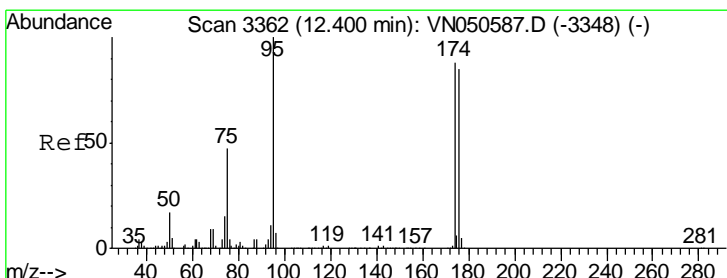
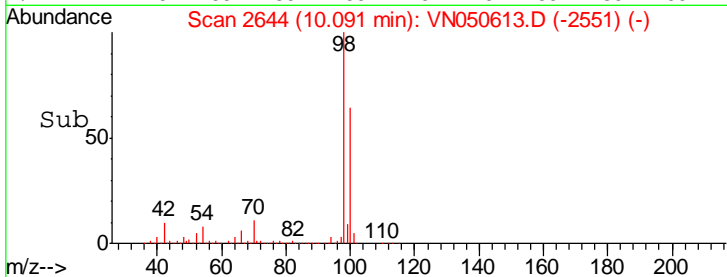
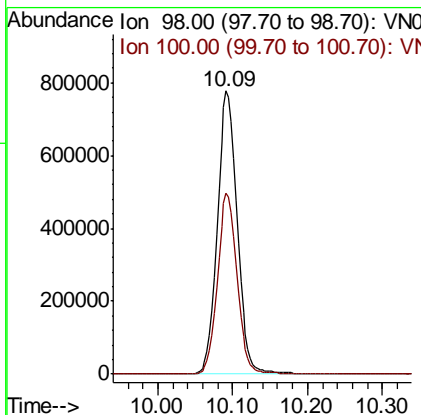
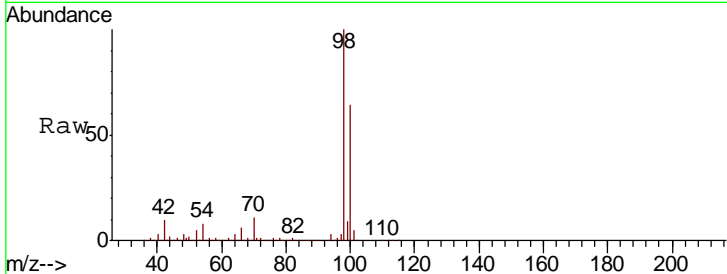




#50
 Toluene-d8
 Concen: 46.69 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

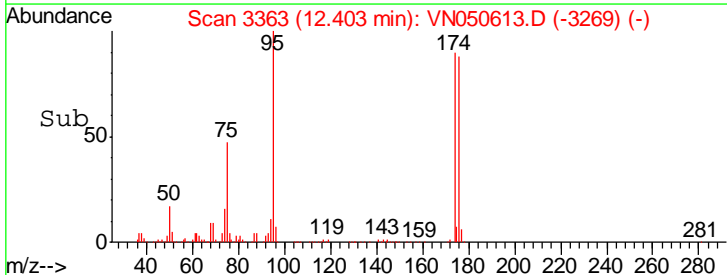
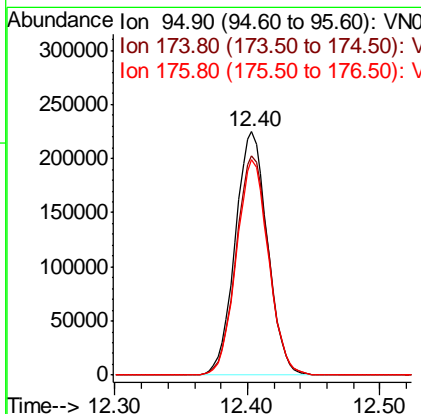
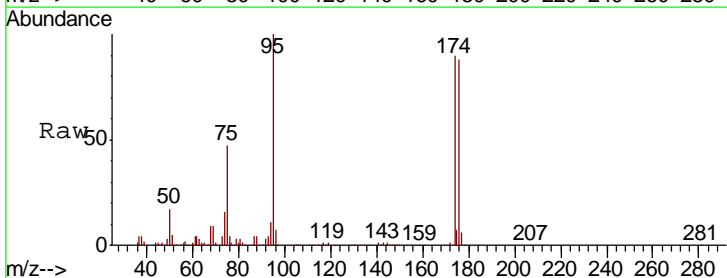
Instrument : MSVOA_N
 ClientSampled : 960-IW-21(17)

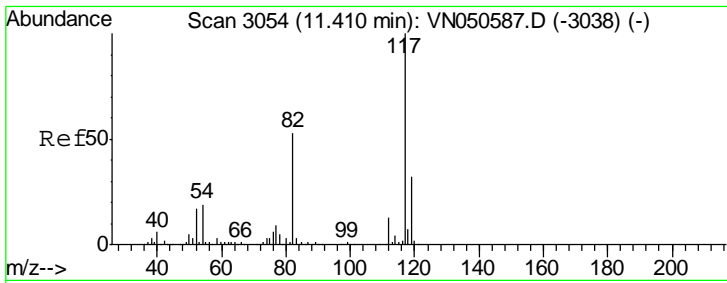
Tgt Ion	Resp	Lower	Upper
98	1428996		
98	100		
100	63.0	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 37.59 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

Tgt Ion	Resp	Lower	Upper
95	380092		
95	100		
174	91.2	0.0	177.8
176	88.1	0.0	175.0

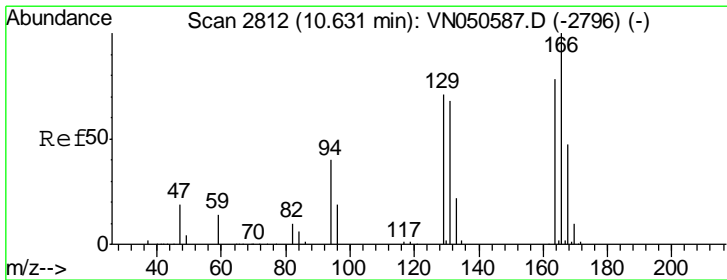
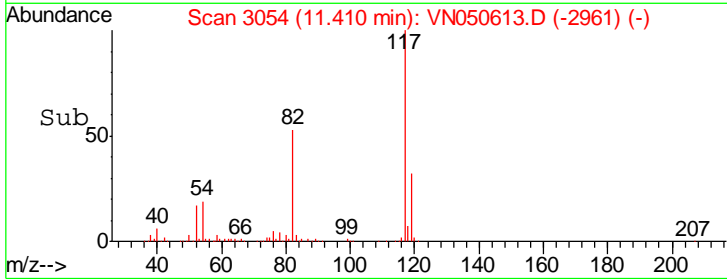
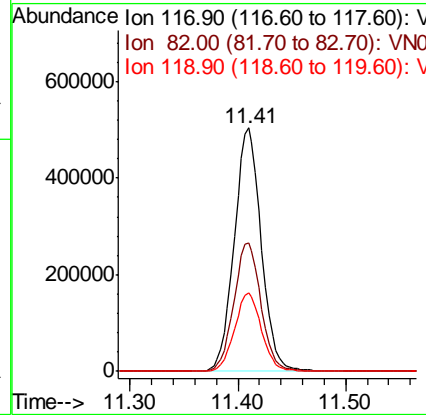
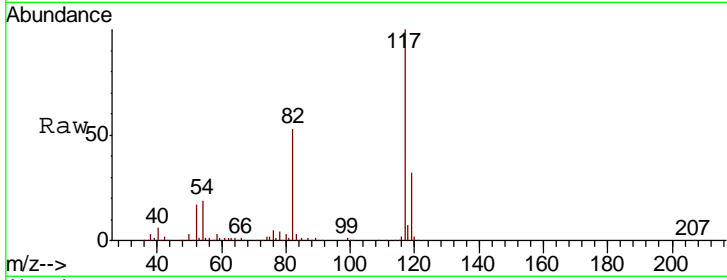




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

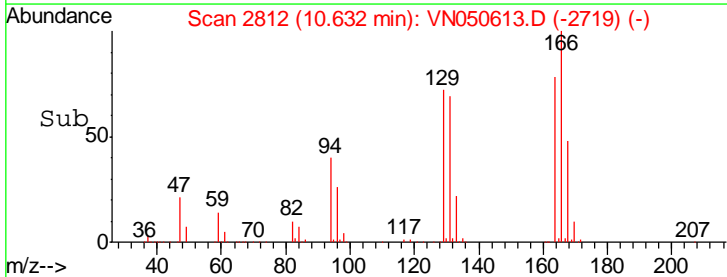
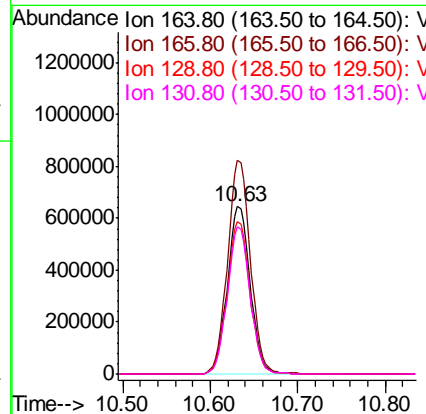
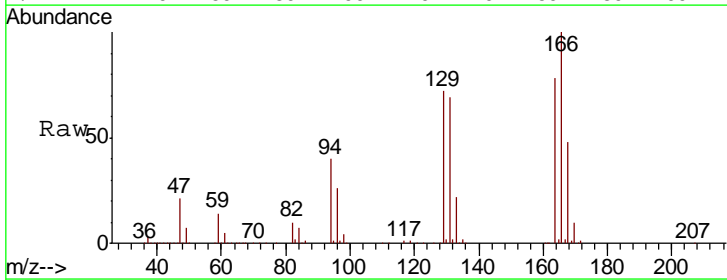
Instrument : MSVOA_N
 ClientSampleId : 960-IW-21(17)

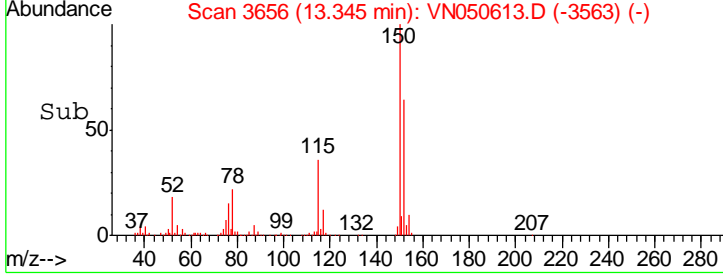
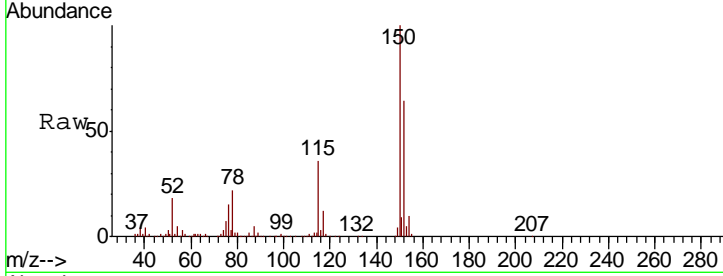
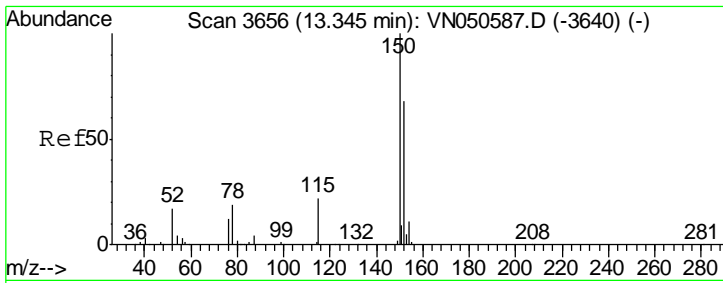
Tgt Ion	Resp	Lower	Upper
117	878169		
82	53.0	42.4	63.6
119	32.2	25.8	38.8



#64
 Tetrachloroethene
 Concen: 143.00 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

Tgt Ion	Resp	Lower	Upper
164	1166241		
166	127.7	102.1	153.1
129	91.4	72.7	109.1
131	87.9	69.9	104.9

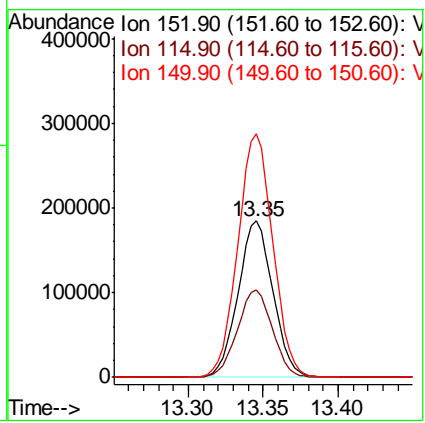




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050613.D
 Acq: 14 Aug 2018 19:43

Instrument : MSVOA_N
 ClientSampleId : 960-IW-21(17)

Tot Ion	Resp	Lower	Upper
152	100		
115	56.4	28.1	84.2
150	156.7	0.0	347.8



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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050613.D
 Acq On : 14 Aug 2018 19:43
 Operator : MD\SY
 Sample : J4469-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 960-IW-21(17)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	42	rBV	971293	1582073	19.02%	5.454%
2	6.834	1607	1631	1658	rBV	548009	1612010	19.38%	5.557%
3	7.593	1844	1867	1878	rBV	530710	1301984	15.66%	4.488%
4	7.667	1878	1890	1919	rVB	776586	1843173	22.16%	6.354%
5	8.030	1985	2003	2024	rBV	500727	1188433	14.29%	4.097%
6	8.288	2048	2083	2085	rBV2	34175	154467	1.86%	0.533%
7	8.587	2160	2176	2204	rBV	1107978	2296352	27.61%	7.916%
8	8.837	2238	2254	2273	rBV2	440994	922114	11.09%	3.179%
9	10.091	2628	2644	2691	rVB	1973305	3647180	43.86%	12.573%
10	10.632	2797	2812	2848	rBV	4594407	8315843	100.00%	28.668%
11	11.410	3038	3054	3082	rBV	1435643	2525202	30.37%	8.705%
12	12.403	3348	3363	3383	rBV	1108555	1884716	22.66%	6.497%
13	13.345	3642	3656	3671	rBV	1056737	1734233	20.85%	5.979%

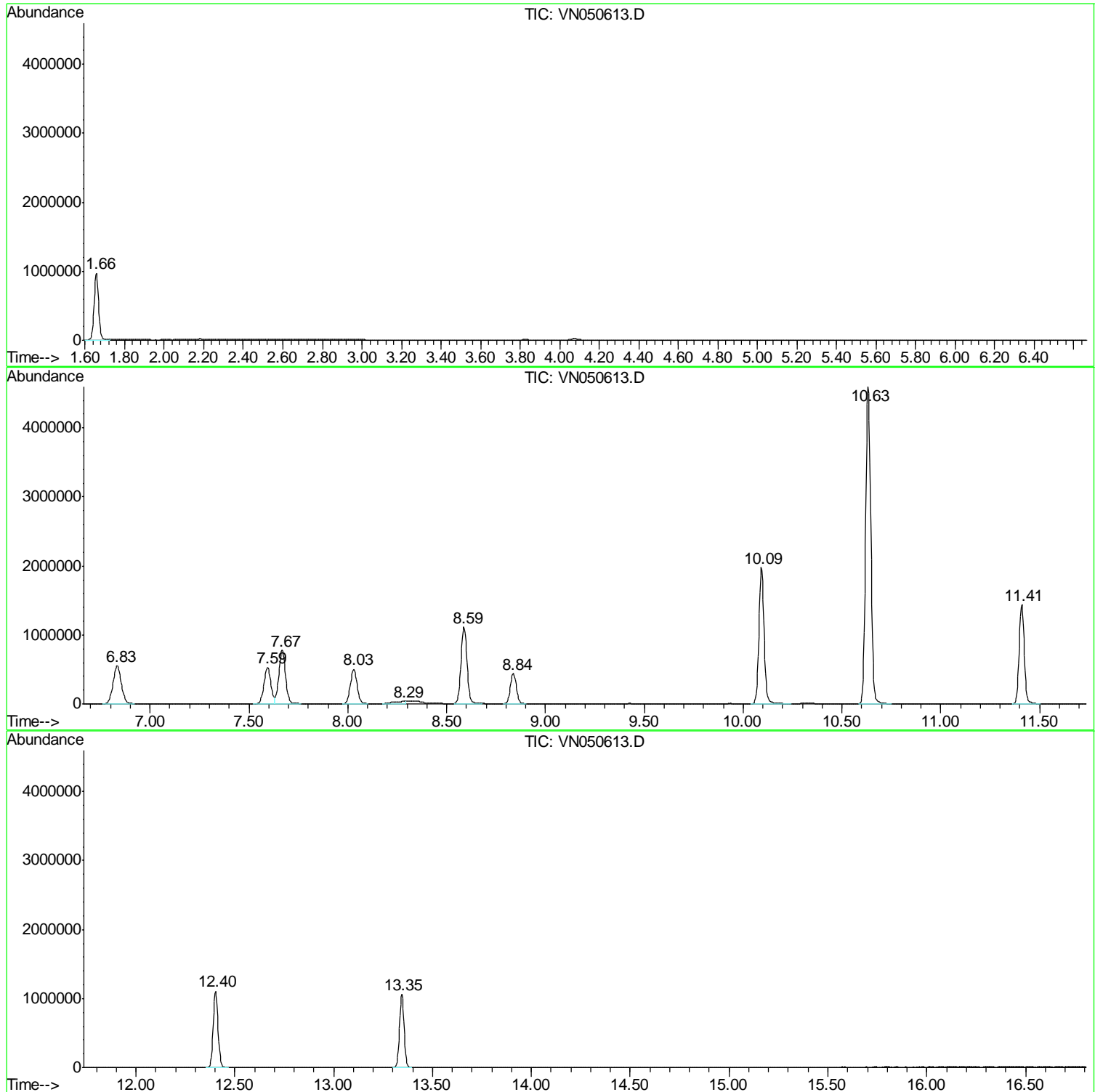
Sum of corrected areas: 29007780

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050613.D
Acq On : 14 Aug 2018 19:43
Operator : MD\SY
Sample : J4469-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
960-IW-21(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050613.D
Acq On : 14 Aug 2018 19:43
Operator : MD\SY
Sample : J4469-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
960-IW-21(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050613.D
 Acq On : 14 Aug 2018 19:43
 Operator : MD\SY
 Sample : J4469-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 960-IW-21(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	961-IW-22(17)	SDG No.:	J4469
Lab Sample ID:	J4469-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050614.D	1		08/14/18 20:08	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	6.1		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	13.4		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	19.9		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	08/13/18
Project:	Andrew St. RI	Date Received:	08/14/18
Client Sample ID:	961-IW-22(17)	SDG No.:	J4469
Lab Sample ID:	J4469-06	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050614.D	1		08/14/18 20:08	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	35.6		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.5		61 - 141		105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		69 - 133		99%	SPK: 50
2037-26-5	Toluene-d8	46.3		65 - 126		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.6		58 - 135		73%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	625342	7.67				
540-36-3	1,4-Difluorobenzene	990321	8.59				
3114-55-4	Chlorobenzene-d5	832026	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	289192	13.35				

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050614.D
 Acq On : 14 Aug 2018 20:08
 Operator : MD\SY
 Sample : J4469-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 961-IW-22(17)

Quant Time: Aug 15 13:35:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	625342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	990321	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	832026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289192	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	414054	52.53	ug/l	0.00
Spiked Amount						
						Recovery = 105.06%
35) Dibromofluoromethane	7.59	113	392424	49.63	ug/l	0.00
Spiked Amount						
						Recovery = 99.26%
50) Toluene-d8	10.09	98	1378457	46.33	ug/l	0.00
Spiked Amount						
						Recovery = 92.66%
62) 4-Bromofluorobenzene	12.40	95	360178	36.64	ug/l	0.00
Spiked Amount						
						Recovery = 73.28%

Target Compounds

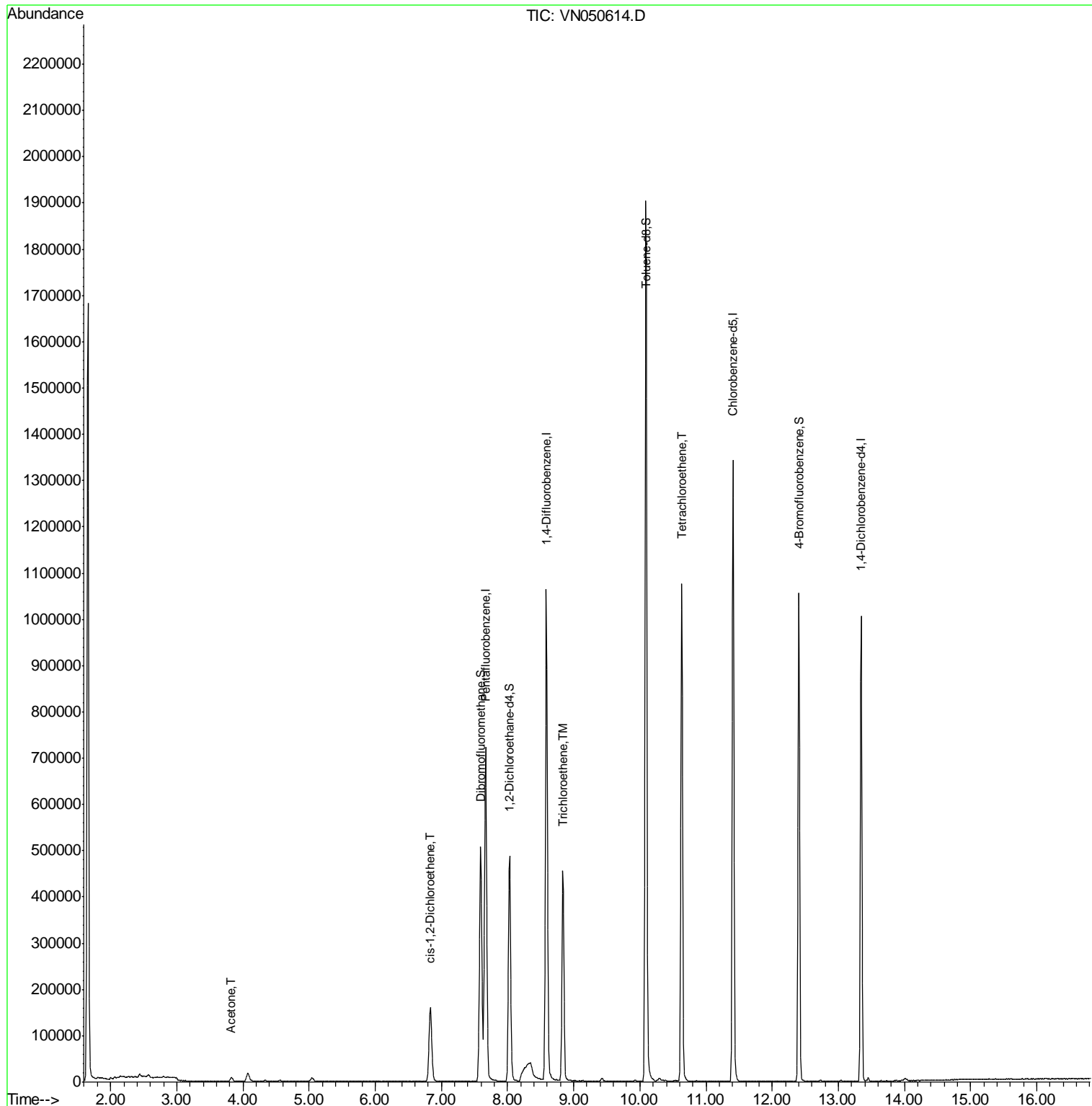
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	14830	6.12	ug/l	90
27) cis-1,2-Dichloroethene	6.83	96	109642	13.39	ug/l	91
44) Trichloroethene	8.84	130	179078	19.93	ug/l	98
64) Tetrachloroethene	10.63	164	275051	35.60	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

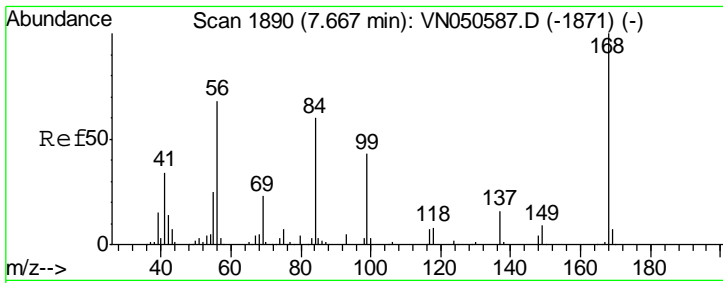
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050614.D
 Acq On : 14 Aug 2018 20:08
 Operator : MD\SY
 Sample : J4469-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 961-IW-22(17)

Quant Time: Aug 15 13:35:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



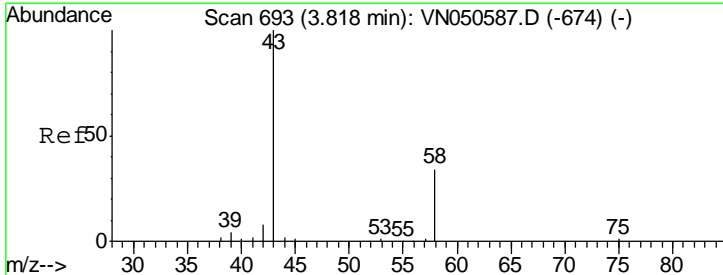
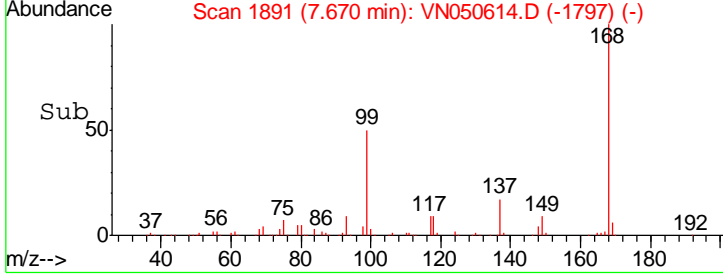
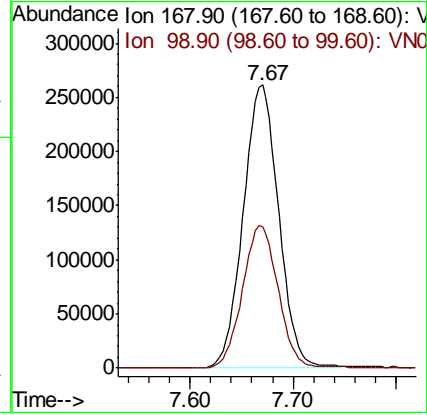
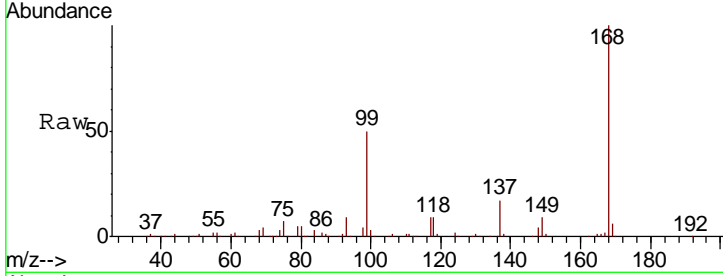
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#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN050614.D
 Acq: 14 Aug 2018 20:08

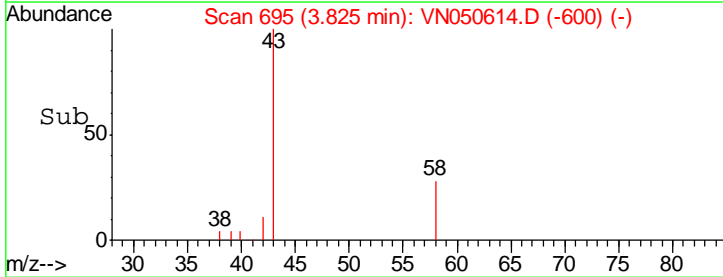
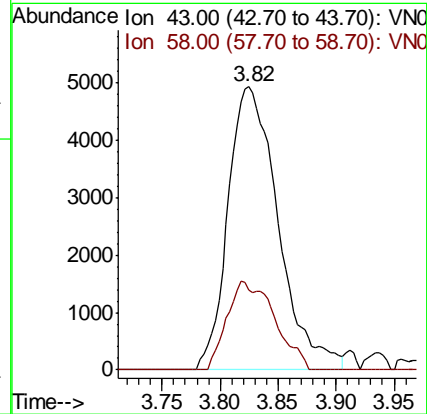
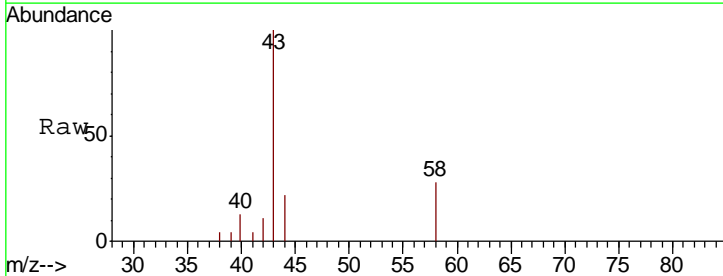
Instrument :
 MSVOA_N
 ClientSampleId :
 961-IW-22(17)

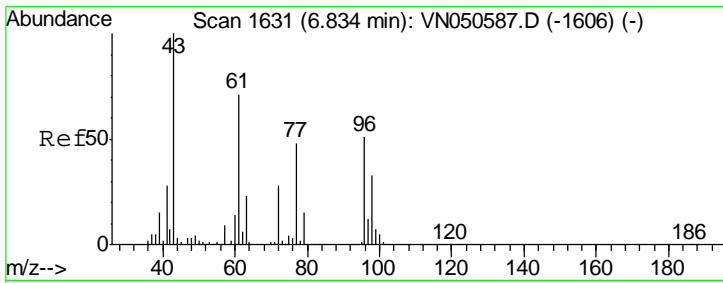
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.0	40.8	61.2



#16
 Acetone
 Concen: 6.12 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN050614.D
 Acq: 14 Aug 2018 20:08

Tgt Ion	Resp	Lower	Upper
43	100		
58	28.4	27.1	40.7

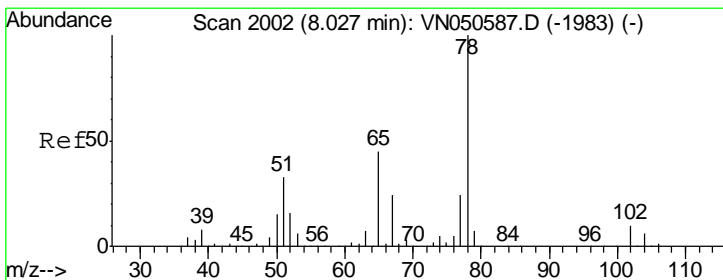
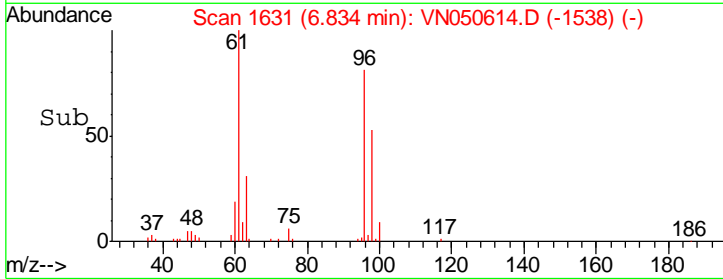
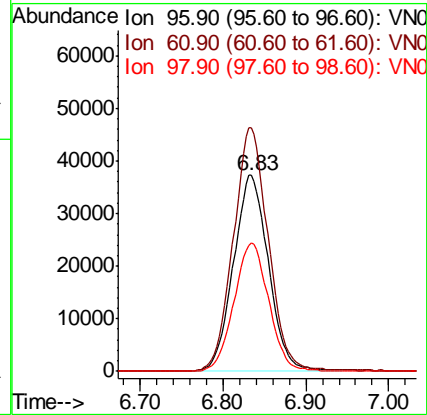
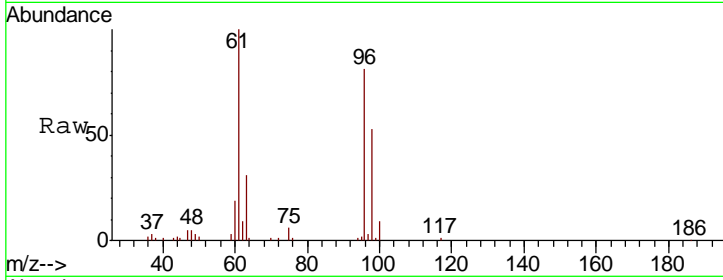




#27
 cis-1,2-Dichloroethene
 Concen: 13.39 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN050614.D
 Acq: 14 Aug 2018 20:08

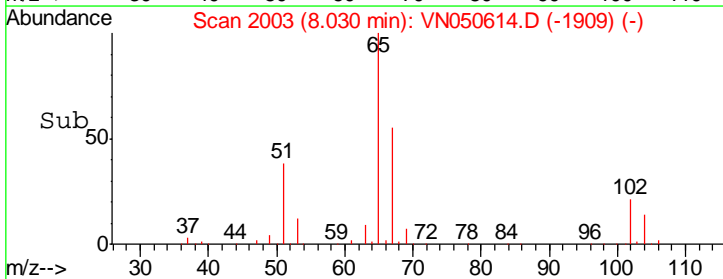
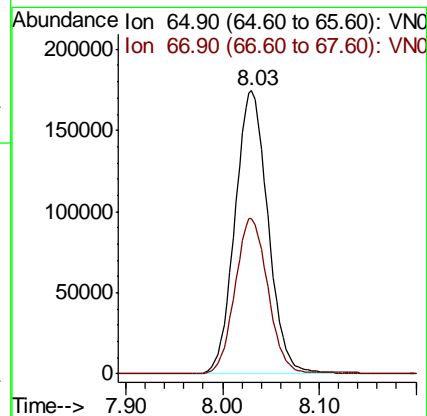
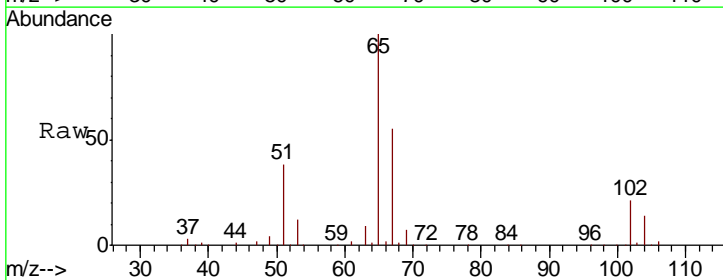
Instrument : MSVOA_N
 ClientSampleId : 961-IW-22(17)

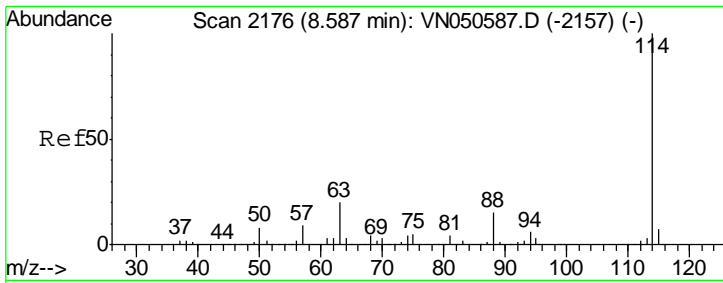
Tgt Ion	Resp	Lower	Upper
96	109642		
61	123.9	0.0	278.2
98	64.9	0.0	128.8



#33
 1,2-Dichloroethane-d4
 Concen: 52.53 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050614.D
 Acq: 14 Aug 2018 20:08

Tgt Ion	Resp	Lower	Upper
65	414054		
67	54.9	0.0	109.8

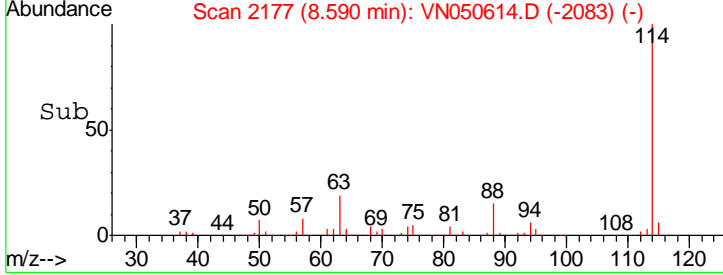
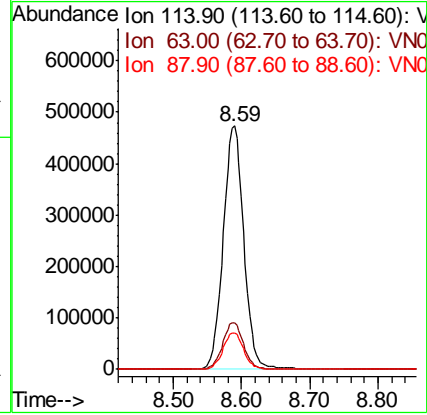
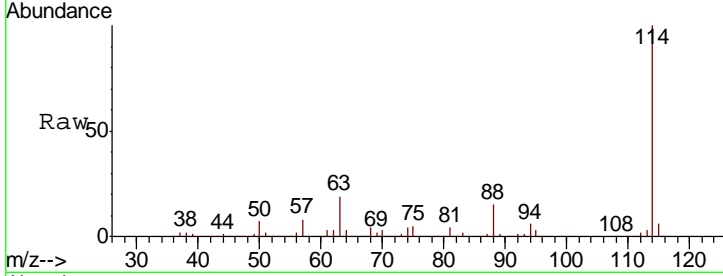




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050614.D
 Acq: 14 Aug 2018 20:08

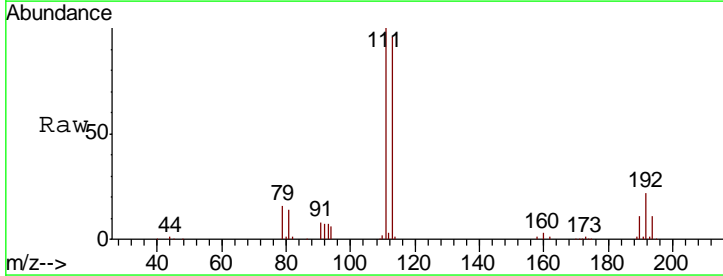
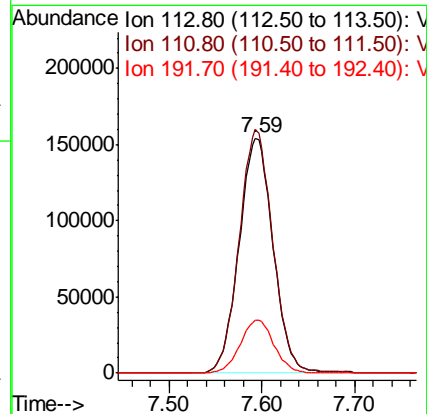
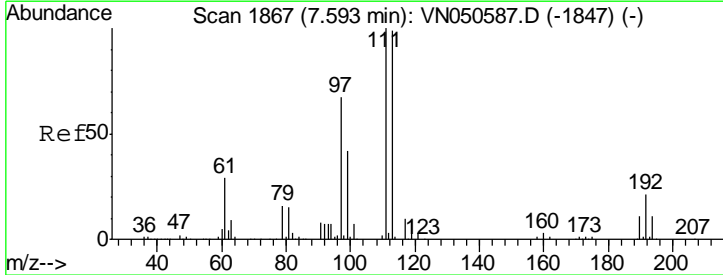
Instrument : MSVOA_N
 ClientSampled : 961-IW-22(17)

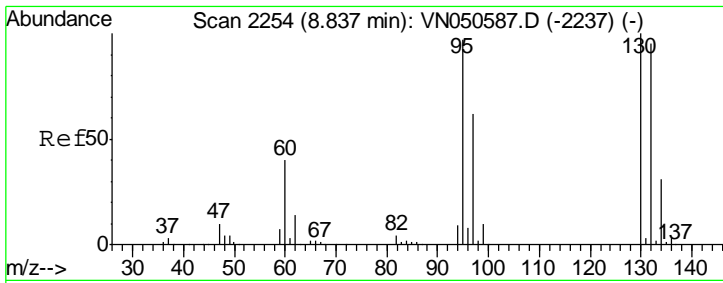
Tgt Ion	Resp	Lower	Upper
114	990321		
63	19.3	0.0	40.0
88	15.1	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 49.63 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050614.D
 Acq: 14 Aug 2018 20:08

Tgt Ion	Resp	Lower	Upper
113	392424		
111	102.7	81.0	121.6
192	22.4	17.6	26.4

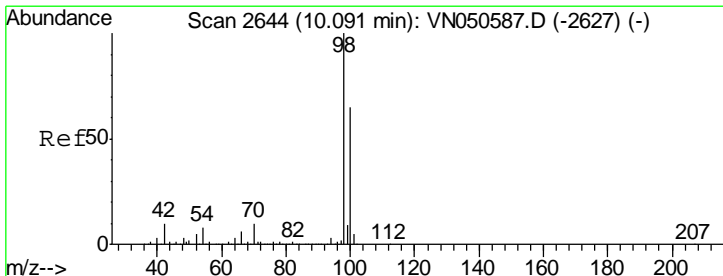
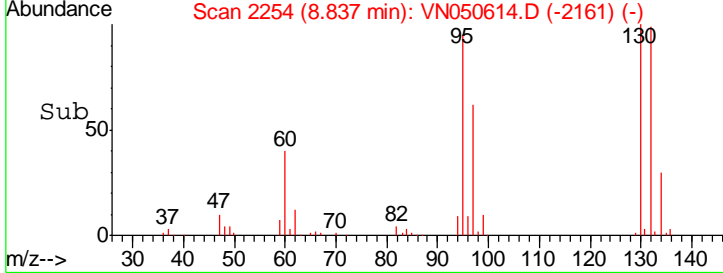
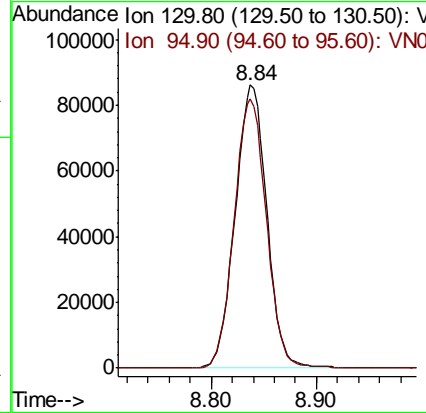
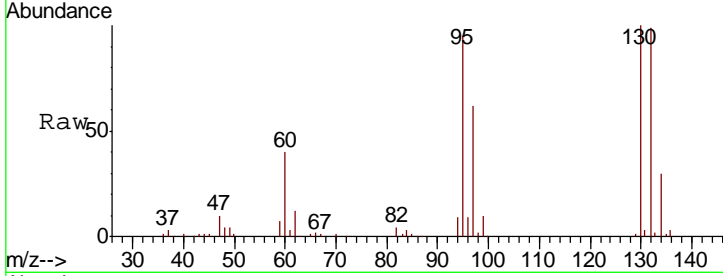




#44
 Trichloroethene
 Concen: 19.93 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050614.D
 Acq: 14 Aug 2018 20:08

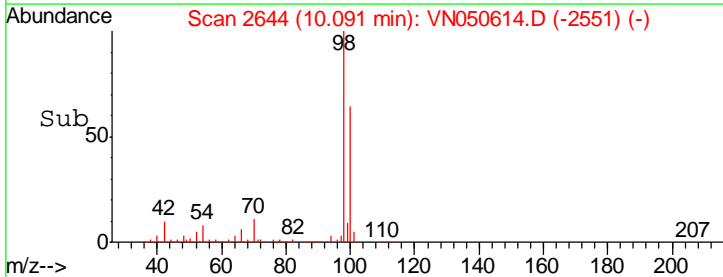
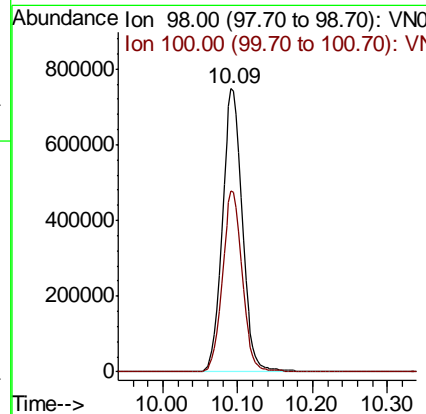
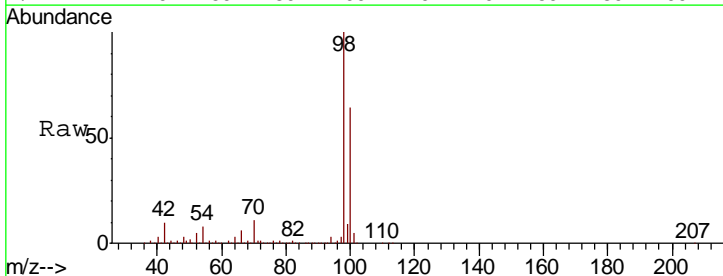
Instrument :
 MSVOA_N
 ClientSampled :
 961-IW-22(17)

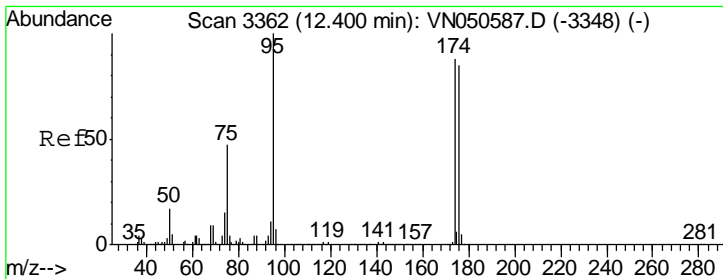
Tgt Ion	Resp	Lower	Upper
130	100		
95	95.3	0.0	193.8



#50
 Toluene-d8
 Concen: 46.33 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050614.D
 Acq: 14 Aug 2018 20:08

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.3	51.8	77.8

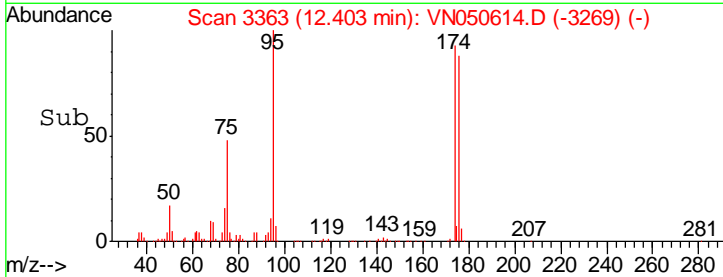
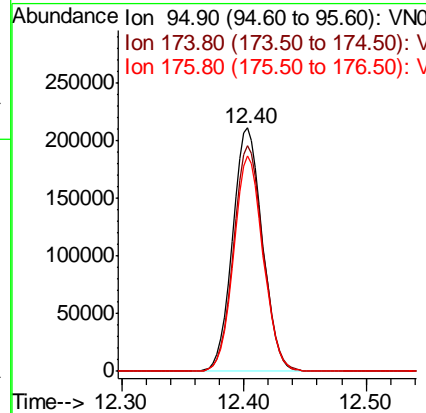
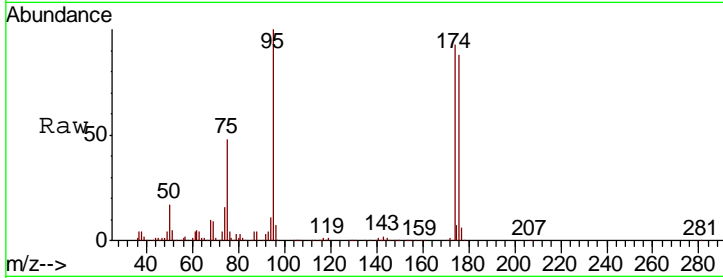




#62
 4-Bromofluorobenzene
 Concen: 36.64 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050614.D
 Acq: 14 Aug 2018 20:08

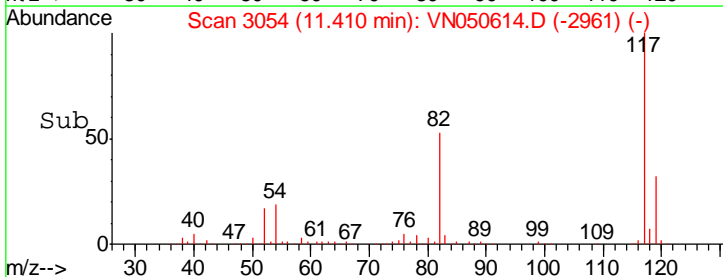
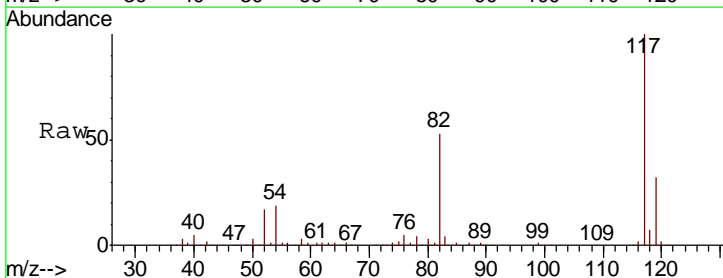
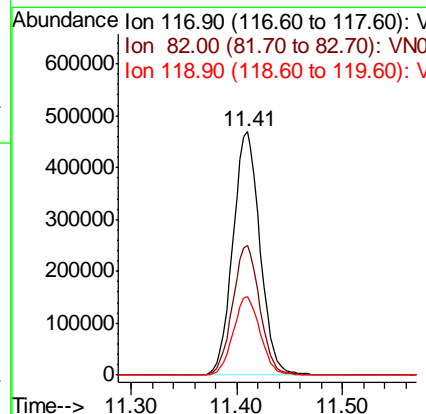
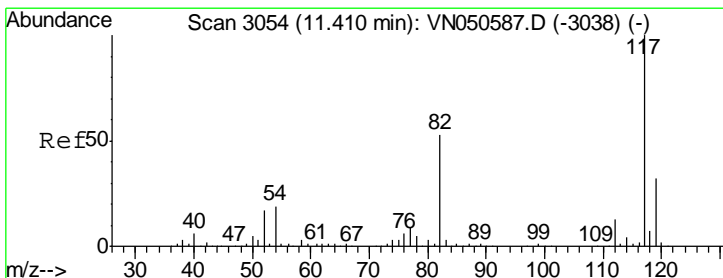
Instrument : MSVOA_N
 Client Sampled : 961-IW-22(17)

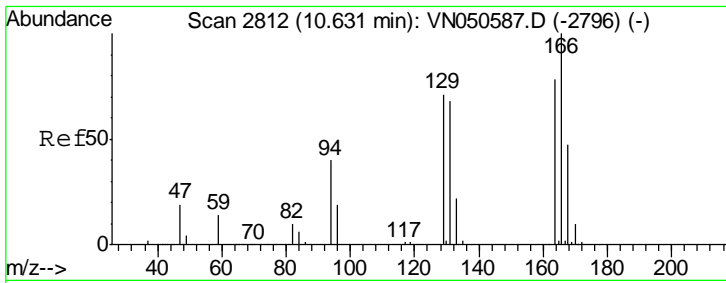
Tgt Ion	Resp	Lower	Upper
95	360178		
174	92.2	0.0	177.8
176	87.1	0.0	175.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050614.D
 Acq: 14 Aug 2018 20:08

Tgt Ion	Resp	Lower	Upper
117	832026		
82	53.3	42.4	63.6
119	32.2	25.8	38.8

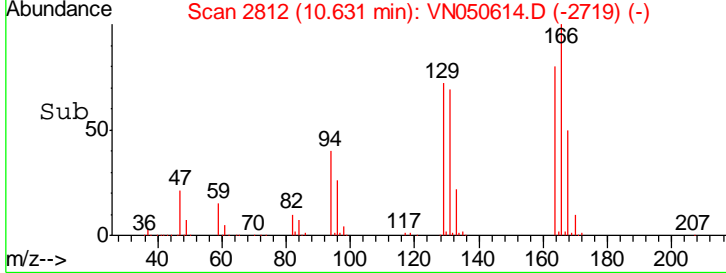
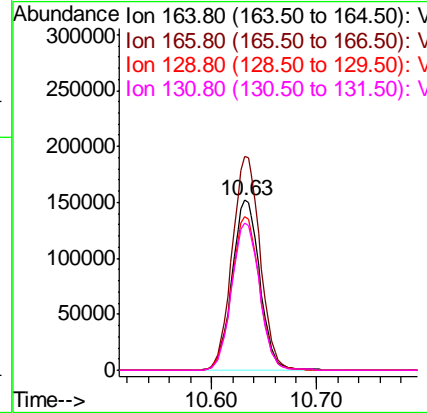
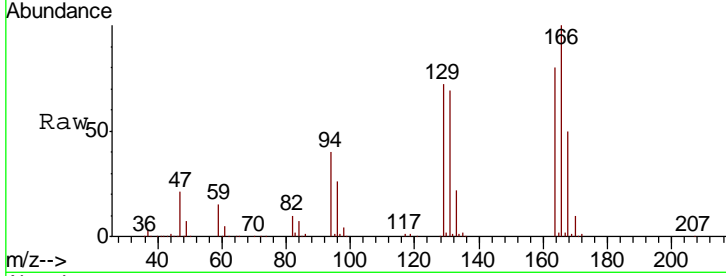




#64
 Tetrachloroethene
 Concen: 35.60 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050614.D
 Acq: 14 Aug 2018 20:08

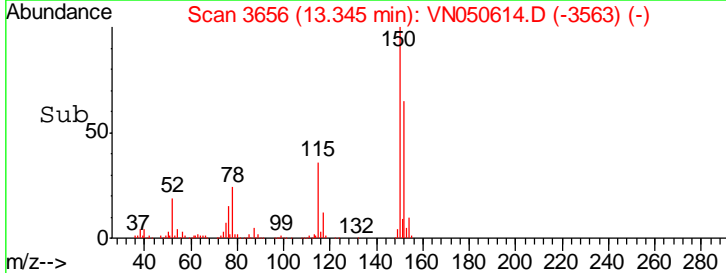
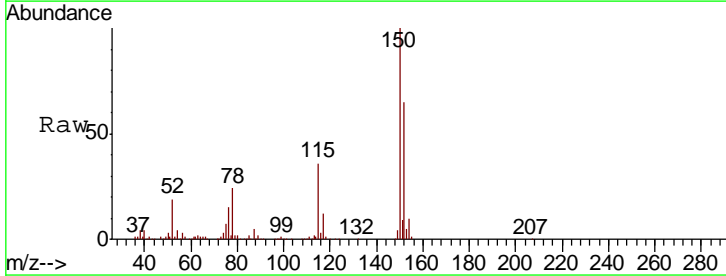
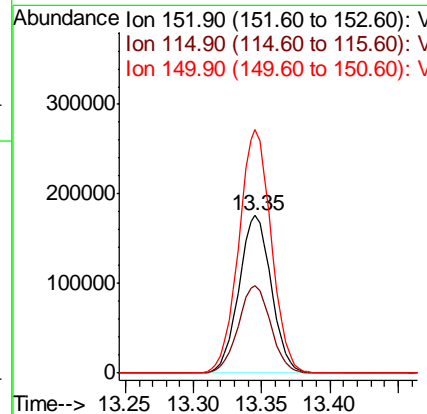
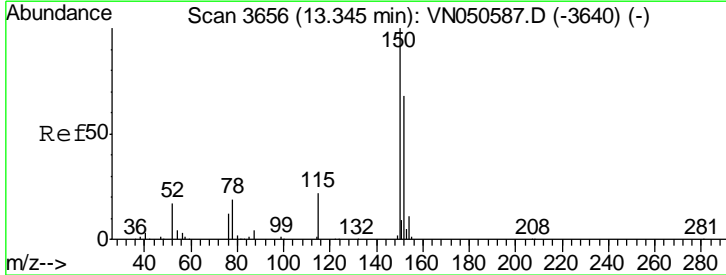
Instrument : MSVOA_N
 ClientSampleId : 961-IW-22(17)

Tgt Ion	Resp	Lower	Upper
164	100		
166	125.6	102.1	153.1
129	90.4	72.7	109.1
131	86.2	69.9	104.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050614.D
 Acq: 14 Aug 2018 20:08

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.6	28.1	84.2
150	155.1	0.0	347.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050614.D
 Acq On : 14 Aug 2018 20:08
 Operator : MD\SY
 Sample : J4469-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 961-IW-22(17)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	46	rBV	1680803	2787579	79.15%	12.643%
2	4.075	754	773	790	rBV2	17541	54250	1.54%	0.246%
3	6.834	1607	1631	1660	rBV3	160204	474015	13.46%	2.150%
4	7.593	1847	1867	1879	rBV	507970	1281851	36.40%	5.814%
5	7.667	1879	1890	1917	rVB	718761	1713881	48.66%	7.773%
6	8.030	1984	2003	2039	rBV2	486403	1157046	32.85%	5.248%
7	8.255	2048	2073	2075	rBV2	29335	90522	2.57%	0.411%
8	8.586	2160	2176	2206	rBV	1059151	2222961	63.12%	10.082%
9	8.837	2238	2254	2273	rBV	453572	944224	26.81%	4.283%
10	10.091	2628	2644	2686	rBV	1902542	3521827	100.00%	15.973%
11	10.631	2796	2812	2843	rVB	1075517	1959859	55.65%	8.889%
12	11.410	3039	3054	3081	rBV	1342226	2383879	67.69%	10.812%
13	12.403	3349	3363	3380	rBV	1054610	1792483	50.90%	8.130%
14	13.345	3642	3656	3675	rBV	1005885	1663596	47.24%	7.545%

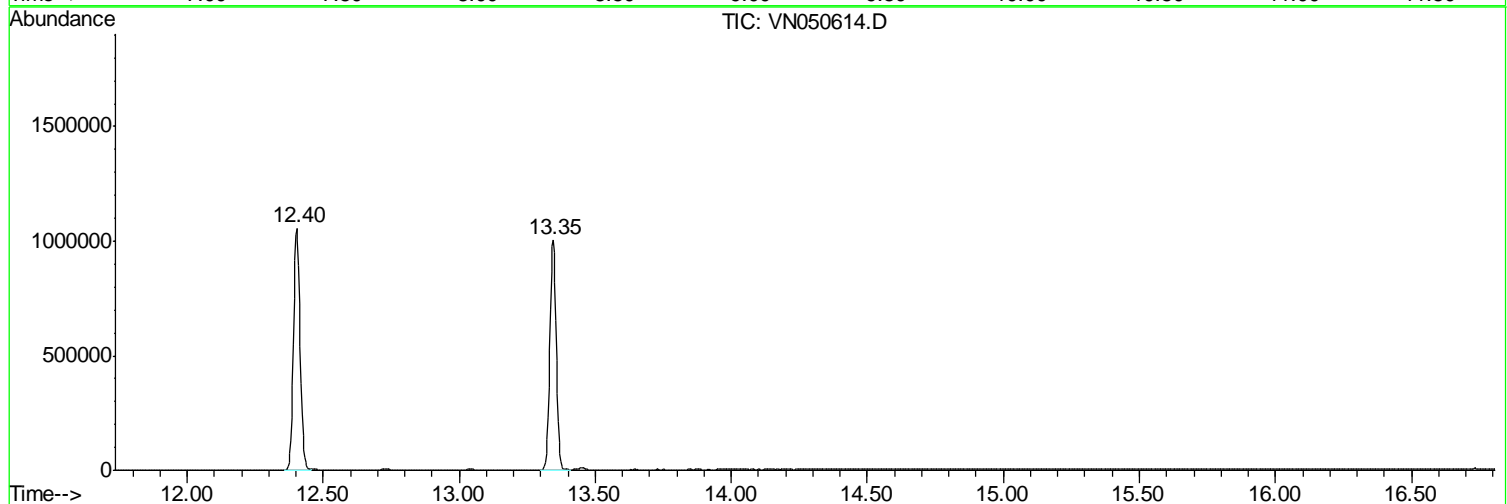
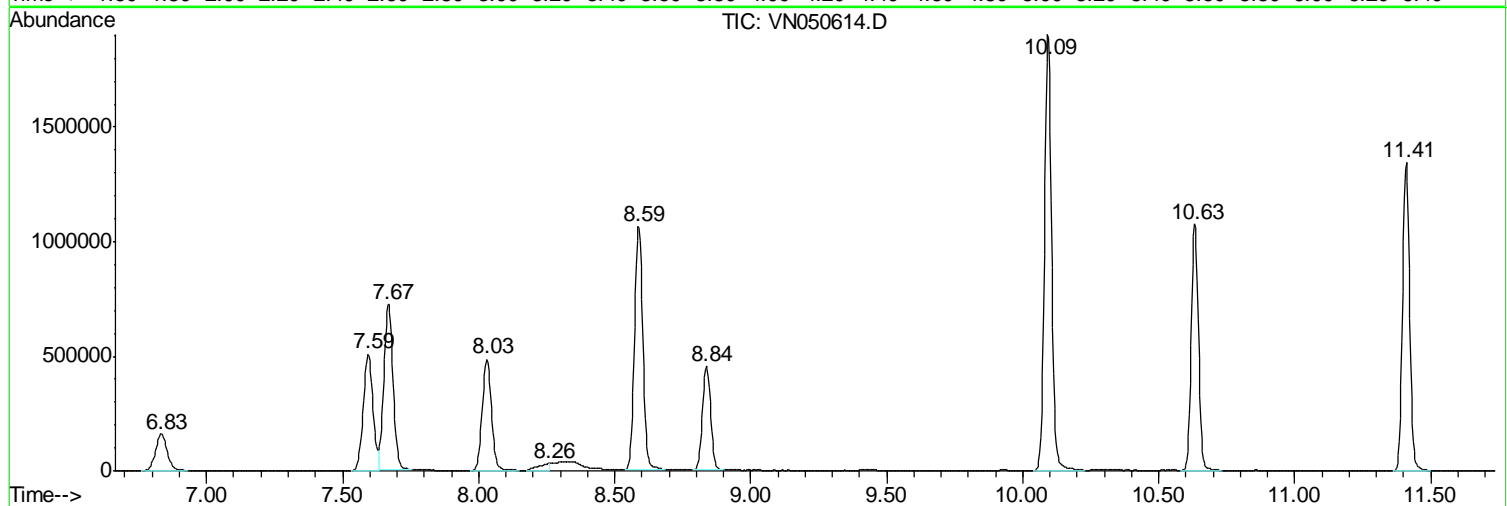
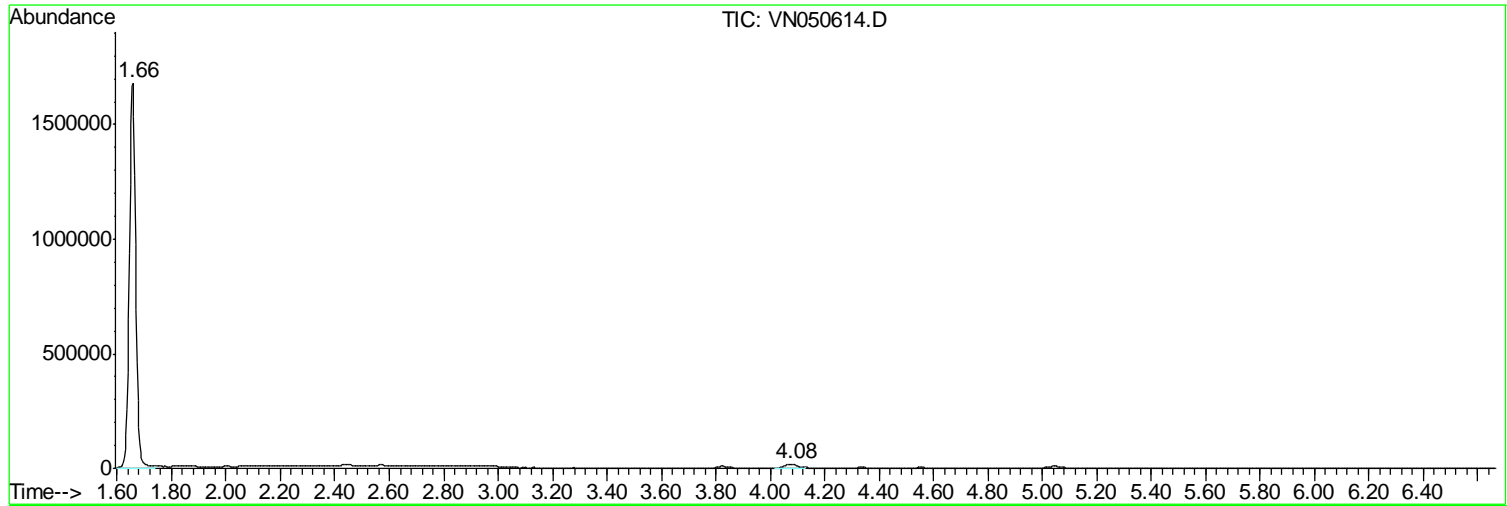
Sum of corrected areas: 22047973

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050614.D
Acq On : 14 Aug 2018 20:08
Operator : MD\SY
Sample : J4469-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
961-IW-22(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050614.D
Acq On : 14 Aug 2018 20:08
Operator : MD\SY
Sample : J4469-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
961-IW-22(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050614.D
 Acq On : 14 Aug 2018 20:08
 Operator : MD\SY
 Sample : J4469-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 961-IW-22(17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

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CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG No.: J4469
 Instrument ID: MSVOA_N Calibration Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Calibration Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN050584.D	RRF005 = VN050585.D	RRF020 = VN050586.D	RRF050 = VN050587.D	RRF100 = VN050588.D	RRF150 = VN050589.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.654	0.563	0.565	0.544	0.537	0.520	0.564	8.4
Chloromethane	1.093	0.772	0.711	0.672	0.686	0.682	0.769	21.1
Vinyl Chloride	0.887	0.774	0.738	0.708	0.708	0.678	0.749	10
Bromomethane	0.784	0.505	0.408	0.410	0.417	0.381	0.484	31.6
Chloroethane	0.629	0.508	0.440	0.421	0.420	0.402	0.470	18.4
Trichlorofluoromethane	1.216	1.038	0.961	0.908	0.899	0.873	0.983	13.1
1,1,2-Trichlorotrifluoroethane	0.697	0.644	0.588	0.557	0.545	0.534	0.594	10.8
1,1-Dichloroethene	0.634	0.552	0.522	0.516	0.519	0.512	0.543	8.7
Acetone	0.232	0.183	0.159	0.154	0.157	0.157	0.174	17.5
Carbon Disulfide	2.003	1.739	1.644	1.604	1.644	1.609	1.707	8.9
Methyl tert-butyl Ether	1.414	1.319	1.347	1.386	1.412	1.406	1.381	2.9
Methyl Acetate	1.199	0.590	0.451	0.431	0.433	0.441	0.591	51.5
Methylene Chloride	0.955	0.746	0.620	0.605	0.597	0.586	0.685	21.1
trans-1,2-Dichloroethene	0.657	0.609	0.570	0.564	0.571	0.558	0.588	6.5
1,1-Dichloroethane	1.343	1.193	1.070	1.047	1.049	1.015	1.120	11.2
Cyclohexane	1.768	1.015	0.927	0.951	0.962	0.948	1.095	30.2
2-Butanone	0.270	0.265	0.250	0.252	0.256	0.257	0.258	3
Carbon Tetrachloride	0.636	0.605	0.561	0.556	0.559	0.547	0.577	6.1
cis-1,2-Dichloroethene	0.732	0.668	0.631	0.629	0.642	0.628	0.655	6.2
Bromochloromethane	0.551	0.522	0.517	0.494	0.499	0.473	0.510	5.3
Chloroform	1.394	1.217	1.096	1.054	1.039	1.008	1.135	12.9
1,1,1-Trichloroethane	1.084	1.038	0.919	0.906	0.902	0.881	0.955	8.8
Methylcyclohexane	0.499	0.519	0.559	0.614	0.632	0.634	0.576	10.2
Benzene	1.681	1.736	1.690	1.699	1.697	1.657	1.693	1.5
1,2-Dichloroethane	0.532	0.553	0.520	0.509	0.504	0.496	0.519	4.1
Trichloroethene	0.495	0.454	0.441	0.446	0.445	0.439	0.454	4.6
1,2-Dichloropropane	0.472	0.469	0.444	0.443	0.441	0.435	0.451	3.5
Bromodichloromethane	0.605	0.594	0.552	0.558	0.556	0.549	0.569	4.2
4-Methyl-2-Pentanone	0.342	0.380	0.396	0.404	0.403	0.402	0.388	6.2
Toluene	0.868	1.001	1.041	1.045	1.062	1.049	1.011	7.2
t-1,3-Dichloropropene	0.489	0.496	0.511	0.542	0.567	0.575	0.530	7
cis-1,3-Dichloropropene	0.529	0.588	0.604	0.634	0.652	0.641	0.608	7.5
1,1,2-Trichloroethane	0.387	0.400	0.373	0.372	0.370	0.364	0.378	3.5

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG No.: J4469
 Instrument ID: MSVOA_N Calibration Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Calibration Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN050584.D	RRF005 = VN050585.D	RRF020 = VN050586.D	RRF050 = VN050587.D	RRF100 = VN050588.D	RRF150 = VN050589.D	RRF	% RSD
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Hexanone	0.209	0.234	0.251	0.267	0.270	0.272	0.250	9.9
Dibromochloromethane	0.384	0.420	0.413	0.420	0.433	0.432	0.417	4.3
1,2-Dibromoethane	0.336	0.353	0.357	0.365	0.373	0.375	0.360	4.1
Tetrachloroethene	0.501	0.485	0.467	0.459	0.445	0.429	0.464	5.7
Chlorobenzene	1.268	1.275	1.226	1.228	1.248	1.221	1.244	1.9
Ethyl Benzene	1.714	1.906	2.006	2.124	2.176	2.129	2.009	8.7
m/p-Xylenes	0.637	0.709	0.791	0.827	0.832	0.814	0.768	10.2
o-Xylene	0.590	0.682	0.741	0.784	0.806	0.793	0.733	11.3
Styrene	0.859	1.046	1.222	1.288	1.335	1.314	1.177	15.9
Bromoform	0.296	0.311	0.302	0.309	0.319	0.320	0.309	3.1
Isopropylbenzene	3.839	3.894	3.973	3.950	3.987	3.796	3.907	2
1,1,2,2-Tetrachloroethane	1.534	1.167	1.006	0.932	0.903	0.868	1.068	23.6
1,3-Dichlorobenzene	1.846	1.878	1.795	1.772	1.798	1.746	1.806	2.7
1,4-Dichlorobenzene	1.944	1.867	1.738	1.726	1.759	1.719	1.792	5.1
1,2-Dichlorobenzene	1.923	1.873	1.748	1.693	1.700	1.632	1.762	6.4
1,2-Dibromo-3-Chloropropane	0.156	0.155	0.131	0.133	0.132	0.130	0.139	8.8
1,2,4-Trichlorobenzene	0.528	0.604	0.739	0.852	0.941	0.940	0.767	22.7
1,2,3-Trichlorobenzene	0.578	0.610	0.728	0.816	0.871	0.867	0.745	17.2
1,2-Dichloroethane-d4		0.710	0.621	0.620	0.609	0.592	0.630	7.3
Dibromofluoromethane		0.427	0.387	0.403	0.394	0.385	0.399	4.3
Toluene-d8		1.493	1.442	1.525	1.533	1.519	1.502	2.5
4-Bromofluorobenzene		0.446	0.456	0.509	0.530	0.541	0.496	8.7

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 82N081418W.M
 Title : SW846 8260
 Last Update : Tue Aug 14 08:07:08 2018
 Response Via : Initial Calibration

Calibration Files

1 =VN050584.D 5 =VN050585.D 20 =VN050586.D
 50 =VN050587.D 100 =VN050588.D 150 =VN050589.D

Compound	1	5	20	50	100	150	Avg	%RSD
-----ISTD-----								
1) I Pentafluorobenzene								
2) T Dichlorodifluorom	0.654	0.563	0.565	0.544	0.537	0.520	0.564	8.38
3) P Chloromethane	1.093	0.772	0.711	0.672	0.686	0.682	0.769	21.14
4) C Vinyl Chloride	0.887	0.774	0.738	0.708	0.708	0.678	0.749	10.01#
5) T Bromomethane	0.784	0.505	0.408	0.410	0.417	0.381	0.484	31.61
6) T Chloroethane	0.629	0.508	0.440	0.421	0.420	0.402	0.470	18.37
7) T Trichlorofluorome	1.216	1.038	0.961	0.908	0.899	0.873	0.983	13.07
8) T Diethyl Ether	0.373	0.321	0.317	0.315	0.318	0.318	0.327	6.88
9) T 1,1,2-Trichlorotr	0.697	0.644	0.588	0.557	0.545	0.534	0.594	10.80
10) T Methyl Iodide		0.310	0.321	0.366	0.440	0.481	0.384	19.43
11) T Tert butyl alcoho		0.034	0.034	0.033	0.035	0.036	0.034	2.45
12) CM 1,1-Dichloroethen	0.634	0.552	0.522	0.516	0.519	0.512	0.543	8.65#
13) T Acrolein		0.020	0.012	0.012	0.013	0.013	0.014	24.62
14) T Allyl chloride	0.948	0.848	0.789	0.810	0.836	0.831	0.844	6.52
15) T Acrylonitrile	0.197	0.189	0.185	0.186	0.187	0.189	0.189	2.22
16) T Acetone	0.232	0.183	0.159	0.154	0.157	0.157	0.174	17.53
17) T Carbon Disulfide	2.003	1.739	1.644	1.604	1.644	1.609	1.707	8.93
18) T Methyl Acetate	1.199	0.590	0.451	0.431	0.433	0.441	0.591	51.46
19) T Methyl tert-butyl	1.414	1.319	1.347	1.386	1.412	1.406	1.381	2.85
20) T Methylene Chlorid	0.955	0.746	0.620	0.605	0.597	0.586	0.685	21.15
21) T trans-1,2-Dichlor	0.657	0.609	0.570	0.564	0.571	0.558	0.588	6.49
22) T Diisopropyl ether	1.617	1.721	1.768	1.776	1.776	1.723	1.730	3.52
23) T Vinyl Acetate	1.051	1.067	1.120	1.175	1.195	1.183	1.132	5.49
24) P 1,1-Dichloroethan	1.343	1.193	1.070	1.047	1.049	1.015	1.120	11.23
25) T 2-Butanone	0.270	0.265	0.250	0.252	0.256	0.257	0.258	3.02
26) T 2,2-Dichloropropa	0.964	0.777	0.712	0.686	0.688	0.670	0.749	14.89
27) T cis-1,2-Dichloroe	0.732	0.668	0.631	0.629	0.642	0.628	0.655	6.19
28) T Bromochloromethan	0.551	0.522	0.517	0.494	0.499	0.473	0.510	5.28
29) T Tetrahydrofuran	0.134	0.134	0.132	0.136	0.136	0.136	0.135	1.22
30) C Chloroform	1.394	1.217	1.096	1.054	1.039	1.008	1.135	12.93#
31) T Cyclohexane	1.768	1.015	0.927	0.951	0.962	0.948	1.095	30.22
32) T 1,1,1-Trichloroet	1.084	1.038	0.919	0.906	0.902	0.881	0.955	8.82
33) S 1,2-Dichloroethan		0.710	0.621	0.620	0.609	0.592	0.630	7.29
-----ISTD-----								
34) I 1,4-Difluorobenzene								
35) S Dibromofluorometh		0.427	0.387	0.403	0.394	0.385	0.399	4.30
36) T 1,1-Dichloroprope	0.553	0.540	0.549	0.564	0.571	0.562	0.557	1.98
37) T Ethyl Acetate	0.272	0.320	0.320	0.324	0.326	0.325	0.315	6.67
38) T Carbon Tetrachlor	0.636	0.605	0.561	0.556	0.559	0.547	0.577	6.06
39) T Methylcyclohexane	0.499	0.519	0.559	0.614	0.632	0.634	0.576	10.20
40) TM Benzene	1.681	1.736	1.690	1.699	1.697	1.657	1.693	1.52
41) T Methacrylonitrile	0.138	0.159	0.168	0.181	0.187	0.188	0.170	11.27
42) TM 1,2-Dichloroethan	0.532	0.553	0.520	0.509	0.504	0.496	0.519	4.07
43) T Isopropyl Acetate	0.516	0.617	0.576	0.573	0.579	0.579	0.573	5.62
44) TM Trichloroethene	0.495	0.454	0.441	0.446	0.445	0.439	0.454	4.64
45) C 1,2-Dichloropropa	0.472	0.469	0.444	0.443	0.441	0.435	0.451	3.53#
46) T Dibromomethane	0.298	0.277	0.261	0.255	0.256	0.251	0.266	6.73
47) T Bromodichlorometh	0.605	0.594	0.552	0.558	0.556	0.549	0.569	4.23
48) T Methyl methacryla	0.293	0.265	0.278	0.289	0.296	0.311	0.289	5.48
49) T 1,4-Dioxane	0.004	0.003	0.004	0.004	0.004	0.004	0.004	5.73
50) S Toluene-d8		1.493	1.442	1.525	1.533	1.519	1.502	2.46
51) T 4-Methyl-2-Pentan	0.342	0.380	0.396	0.404	0.403	0.402	0.388	6.21
52) CM Toluene	0.868	1.001	1.041	1.045	1.062	1.049	1.011	7.22#

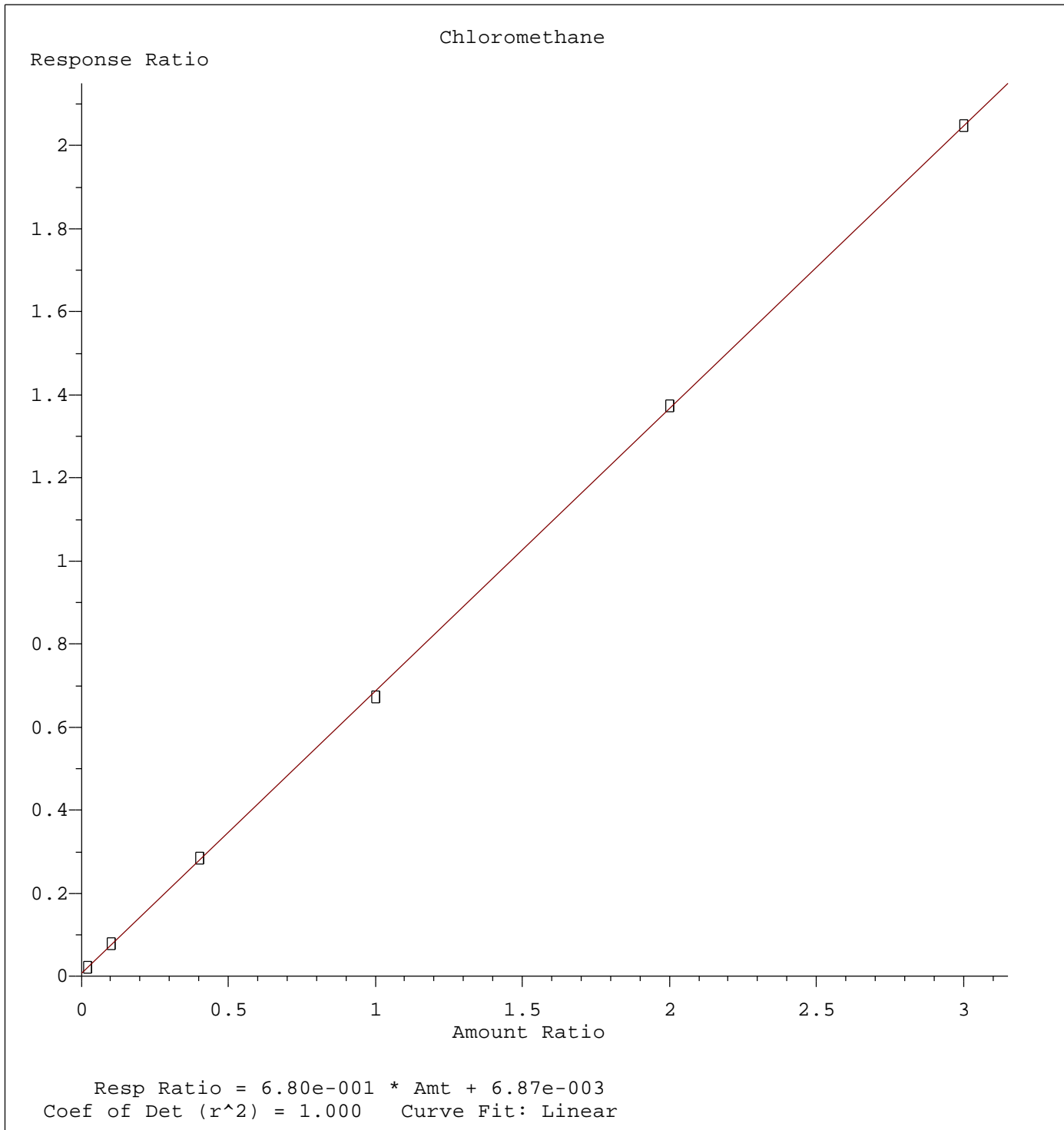
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 Title : SW846 8260
 Last Update : Tue Aug 14 08:07:08 2018
 Response Via : Initial Calibration

Calibration Files

1 =VN050584.D 5 =VN050585.D 20 =VN050586.D
 50 =VN050587.D 100 =VN050588.D 150 =VN050589.D

	Compound	1	5	20	50	100	150	Avg	%RSD
53) T	t-1,3-Dichloropro	0.489	0.496	0.511	0.542	0.567	0.575	0.530	6.95
54) T	cis-1,3-Dichlorop	0.529	0.588	0.604	0.634	0.652	0.641	0.608	7.48
55) T	1,1,2-Trichloroet	0.387	0.400	0.373	0.372	0.370	0.364	0.378	3.53
56) T	Ethyl methacrylat	0.300	0.382	0.425	0.464	0.491	0.497	0.427	17.70
57) T	1,3-Dichloropropa	0.586	0.634	0.622	0.622	0.629	0.621	0.619	2.72
58) T	2-Chloroethyl Vin	0.136	0.166	0.203	0.224	0.233	0.239	0.200	20.58
59) T	2-Hexanone	0.209	0.234	0.251	0.267	0.270	0.272	0.250	9.94
60) T	Dibromochlorometh	0.384	0.420	0.413	0.420	0.433	0.432	0.417	4.32
61) T	1,2-Dibromoethane	0.336	0.353	0.357	0.365	0.373	0.375	0.360	4.07
62) S	4-Bromofluorobenz		0.446	0.456	0.509	0.530	0.541	0.496	8.74
63) I	Chlorobenzene-d5	-----ISTD-----							
64) T	Tetrachloroethene	0.501	0.485	0.467	0.459	0.445	0.429	0.464	5.68
65) PM	Chlorobenzene	1.268	1.275	1.226	1.228	1.248	1.221	1.244	1.86
66) T	1,1,1,2-Tetrachlo	0.493	0.498	0.454	0.456	0.455	0.442	0.466	4.89
67) C	Ethyl Benzene	1.714	1.906	2.006	2.124	2.176	2.129	2.009	8.72#
68) T	m/p-Xylenes	0.637	0.709	0.791	0.827	0.832	0.814	0.768	10.21
69) T	o-Xylene	0.590	0.682	0.741	0.784	0.806	0.793	0.733	11.33
70) T	Styrene	0.859	1.046	1.222	1.288	1.335	1.314	1.177	15.95
71) P	Bromoform	0.296	0.311	0.302	0.309	0.319	0.320	0.309	3.08
72) I	1,4-Dichlorobenzene-d	-----ISTD-----							
73) T	Isopropylbenzene	3.839	3.894	3.973	3.950	3.987	3.796	3.907	1.98
74) T	N-amyl acetate	1.043	0.967	1.011	1.017	1.043	1.018	1.016	2.74
75) P	1,1,2,2-Tetrachlo	1.534	1.167	1.006	0.932	0.903	0.868	1.068	23.55
76) T	1,2,3-Trichloropr	1.116	1.001	0.899	0.768	0.813	0.794	0.899	15.19
77) T	Bromobenzene	1.189	1.128	1.034	1.014	1.015	0.983	1.061	7.53
78) T	n-propylbenzene	4.007	4.170	4.504	4.529	4.556	4.370	4.356	5.12
79) T	2-Chlorotoluene	2.749	2.822	2.749	2.702	2.691	2.582	2.716	2.96
80) T	1,3,5-Trimethylbe	2.721	3.075	3.313	3.267	3.259	3.131	3.128	6.99
81) T	trans-1,4-Dichlor	0.236	0.218	0.214	0.220	0.231	0.231	0.225	3.88
82) T	4-Chlorotoluene	2.400	2.731	2.801	2.747	2.757	2.667	2.684	5.44
83) T	tert-Butylbenzene	2.621	2.672	2.727	2.724	2.832	2.714	2.715	2.59
84) T	1,2,4-Trimethylbe	2.554	3.027	3.372	3.333	3.345	3.205	3.139	10.01
85) T	sec-Butylbenzene	3.078	3.581	3.673	3.676	3.710	3.570	3.548	6.67
86) T	p-Isopropyltoluen	2.347	2.860	3.141	3.217	3.282	3.191	3.006	11.79
87) T	1,3-Dichlorobenze	1.846	1.878	1.795	1.772	1.798	1.746	1.806	2.68
88) T	1,4-Dichlorobenze	1.944	1.867	1.738	1.726	1.759	1.719	1.792	5.13
89) T	n-Butylbenzene	2.040	2.206	2.371	2.554	2.709	2.685	2.428	11.11
90) T	Hexachloroethane	0.742	0.649	0.563	0.548	0.567	0.558	0.605	12.69
91) T	1,2-Dichlorobenze	1.923	1.873	1.748	1.693	1.700	1.632	1.762	6.42
92) T	1,2-Dibromo-3-Chl	0.156	0.155	0.131	0.133	0.132	0.130	0.139	8.78
93) T	1,2,4-Trichlorobe	0.528	0.604	0.739	0.852	0.941	0.940	0.767	22.71
94) T	Hexachlorobutadie	0.660	0.594	0.517	0.496	0.498	0.477	0.540	13.26
95) T	Naphthalene	0.919	1.005	1.440	1.764	2.007	2.050	1.531	32.14
96) T	1,2,3-Trichlorobe	0.578	0.610	0.728	0.816	0.871	0.867	0.745	17.22

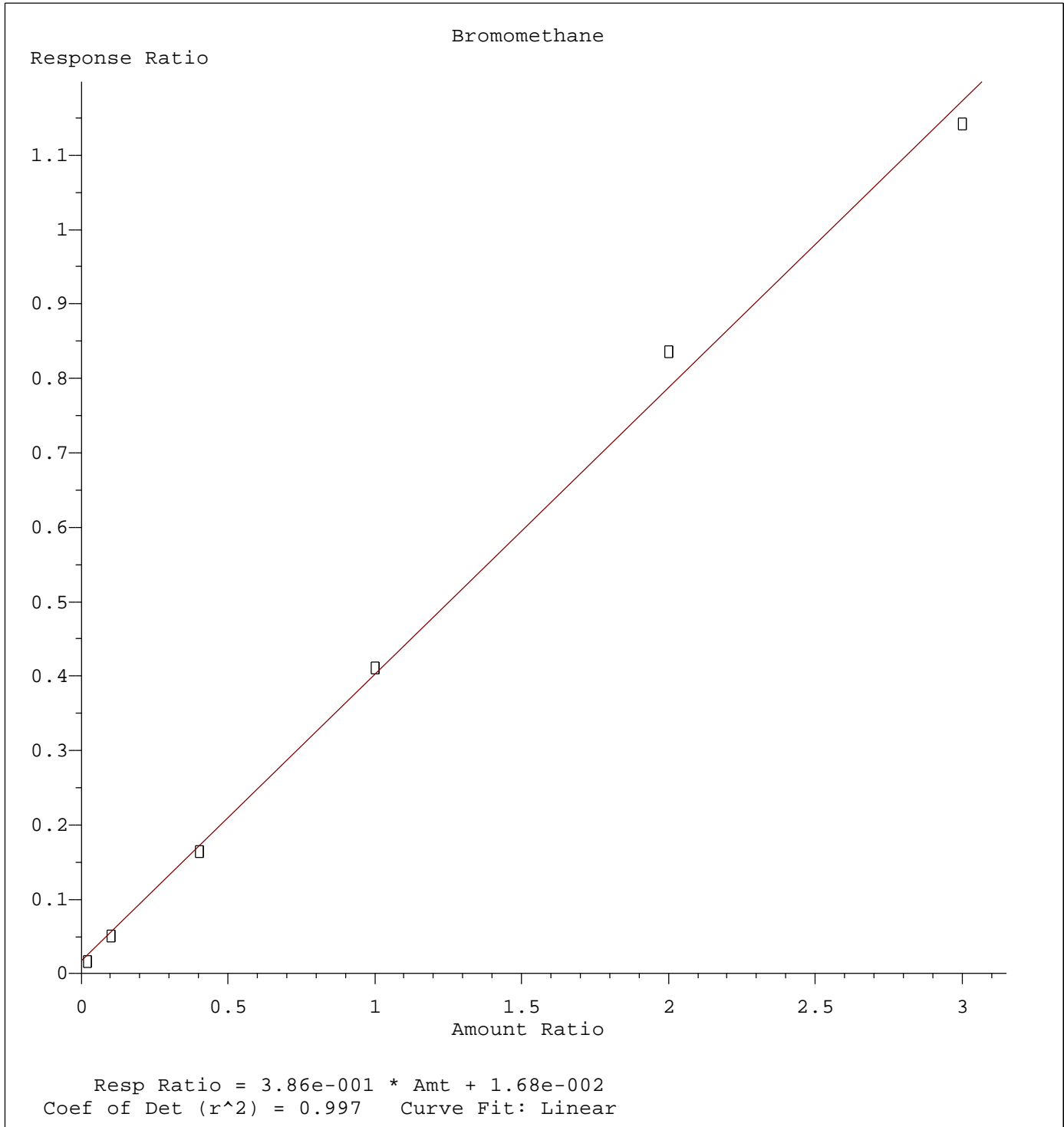
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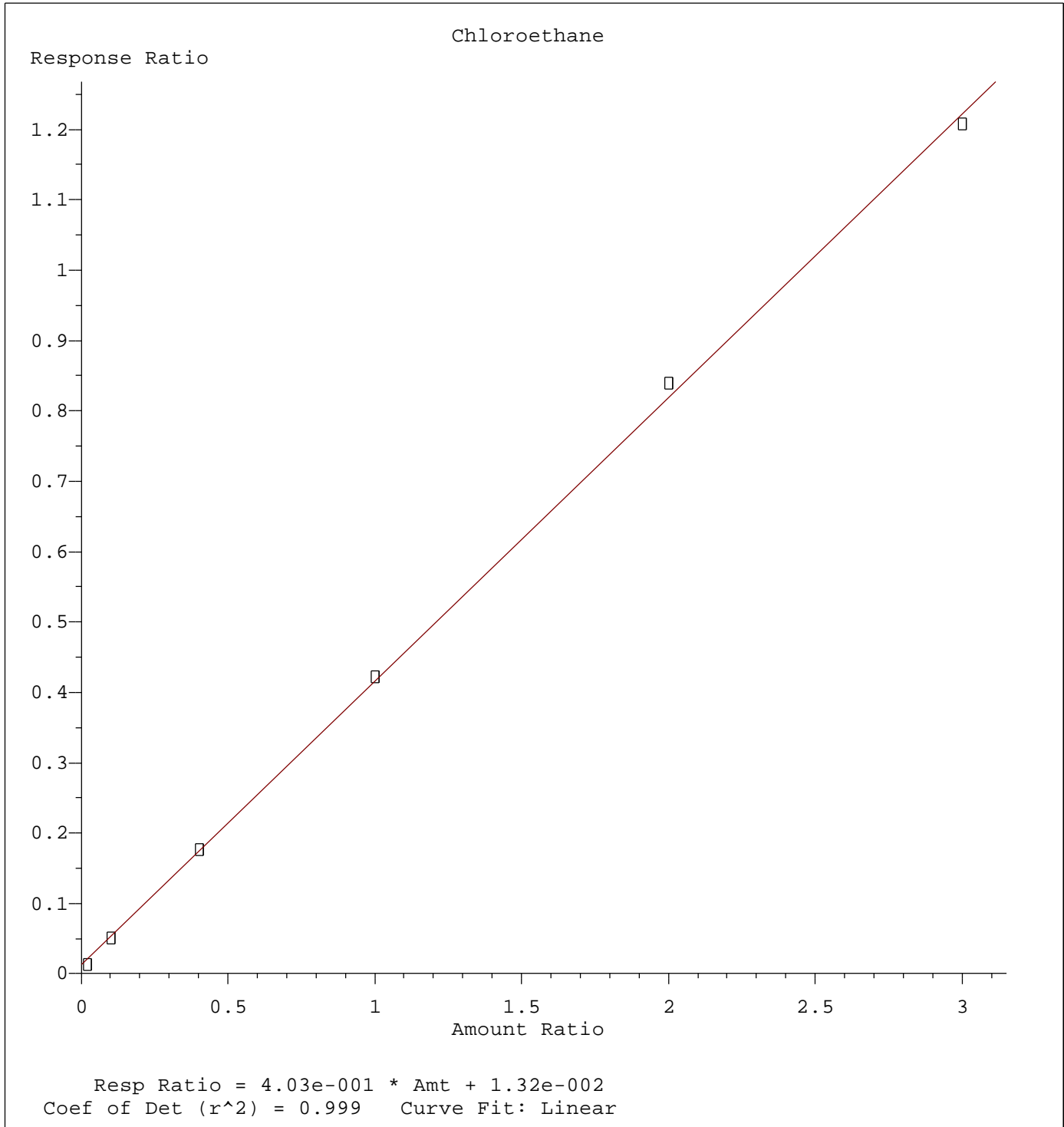
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Calibration Table Last Updated: Tue Aug 14 08:07:08 2018

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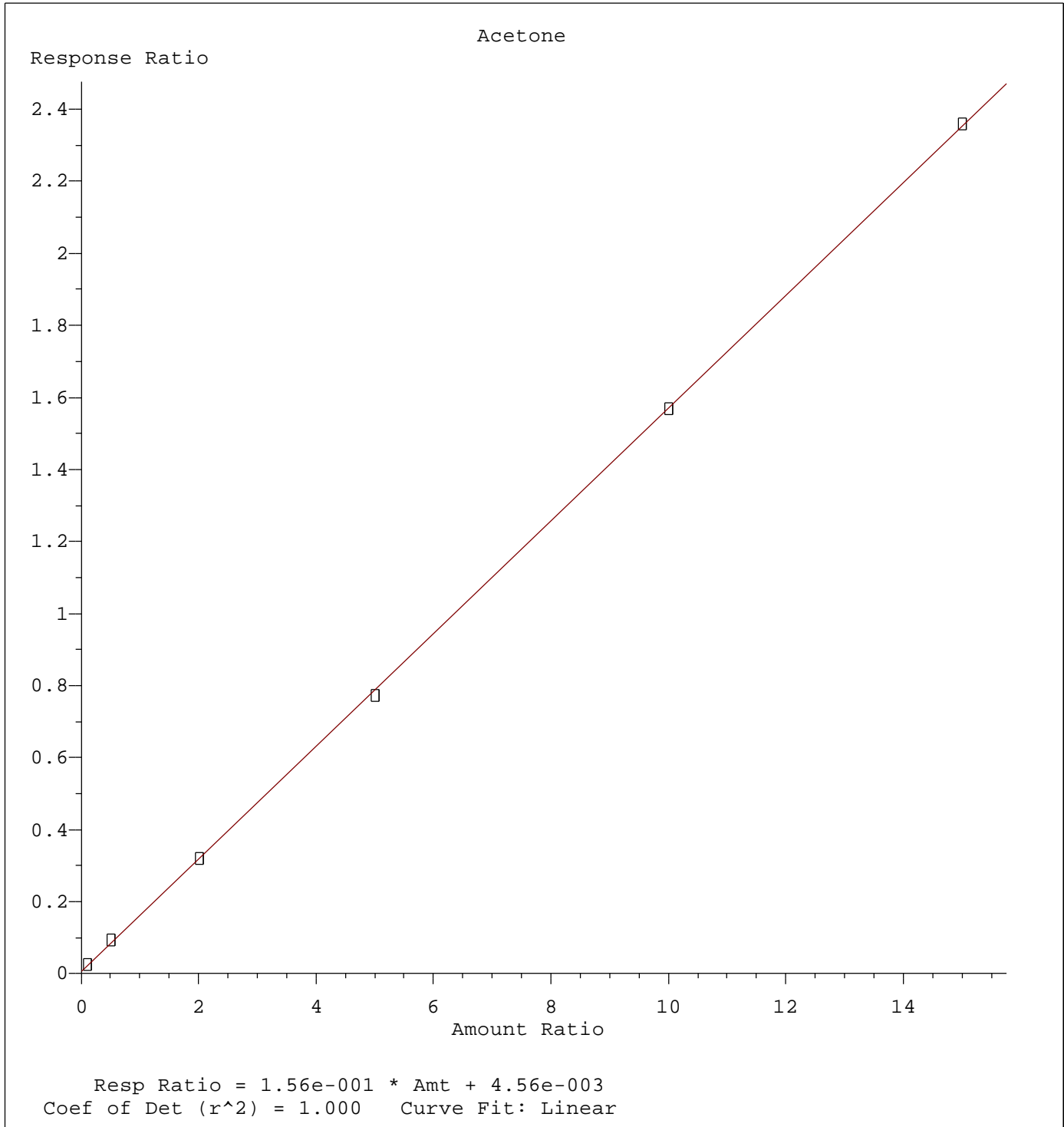
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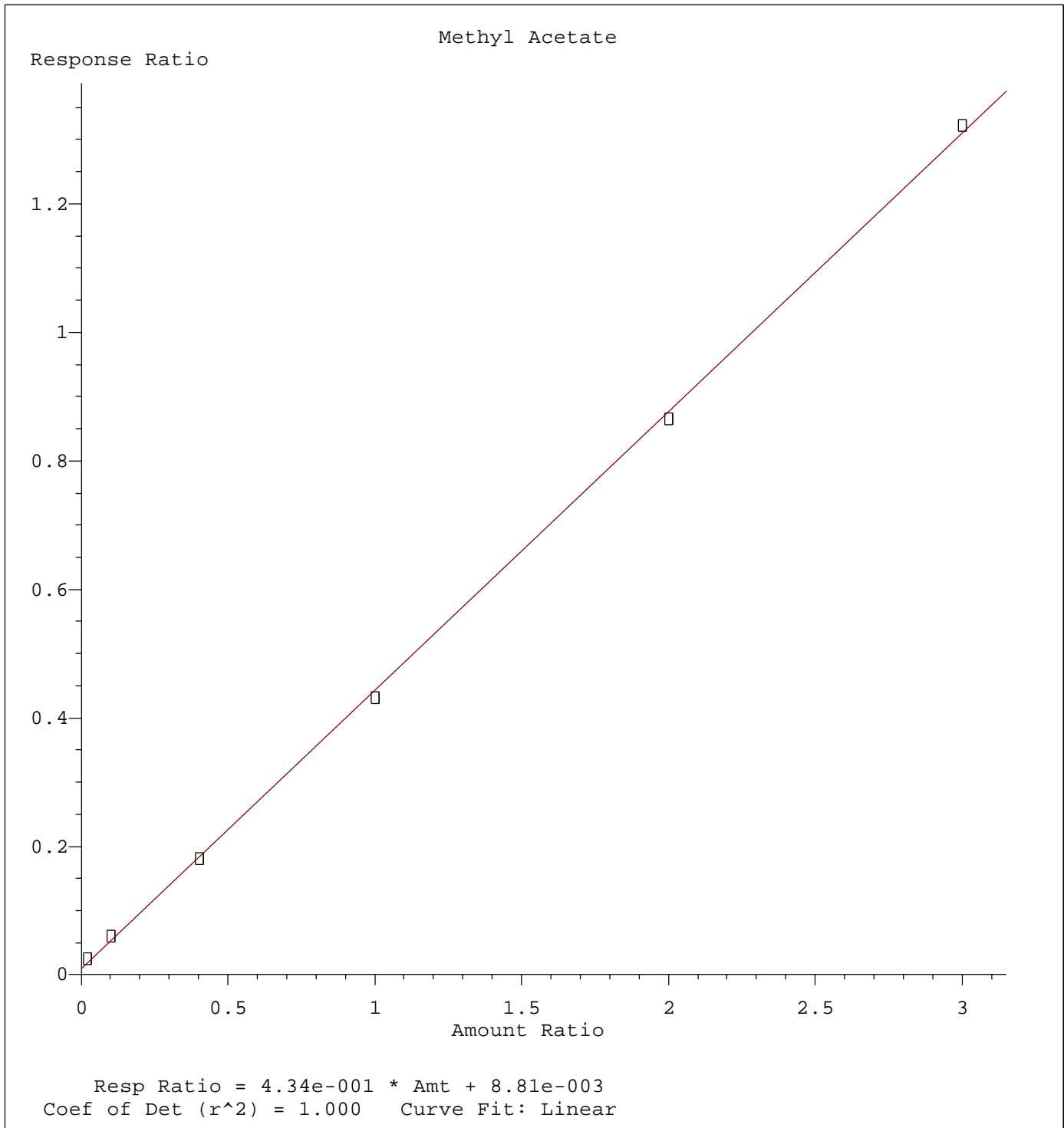


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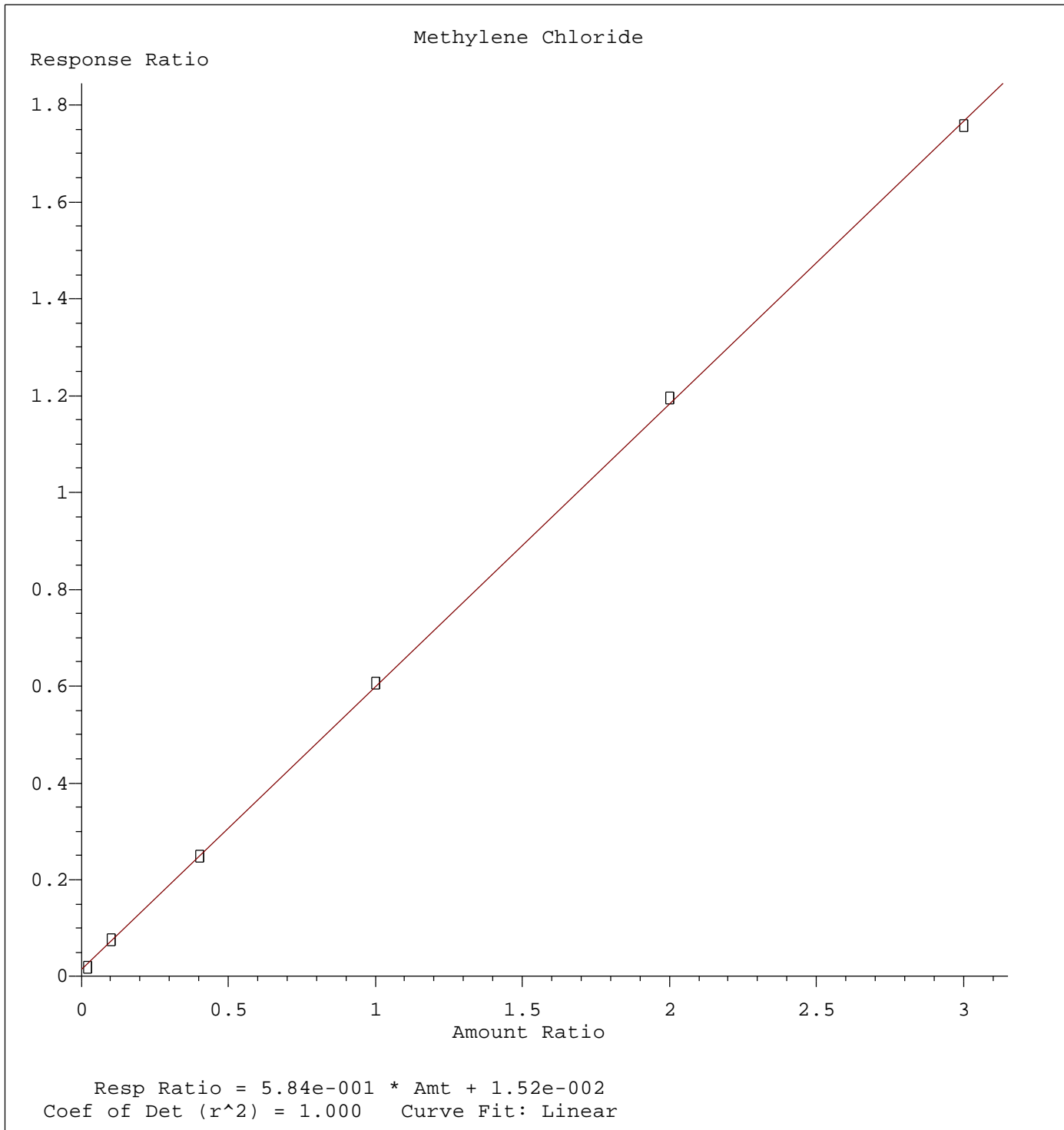


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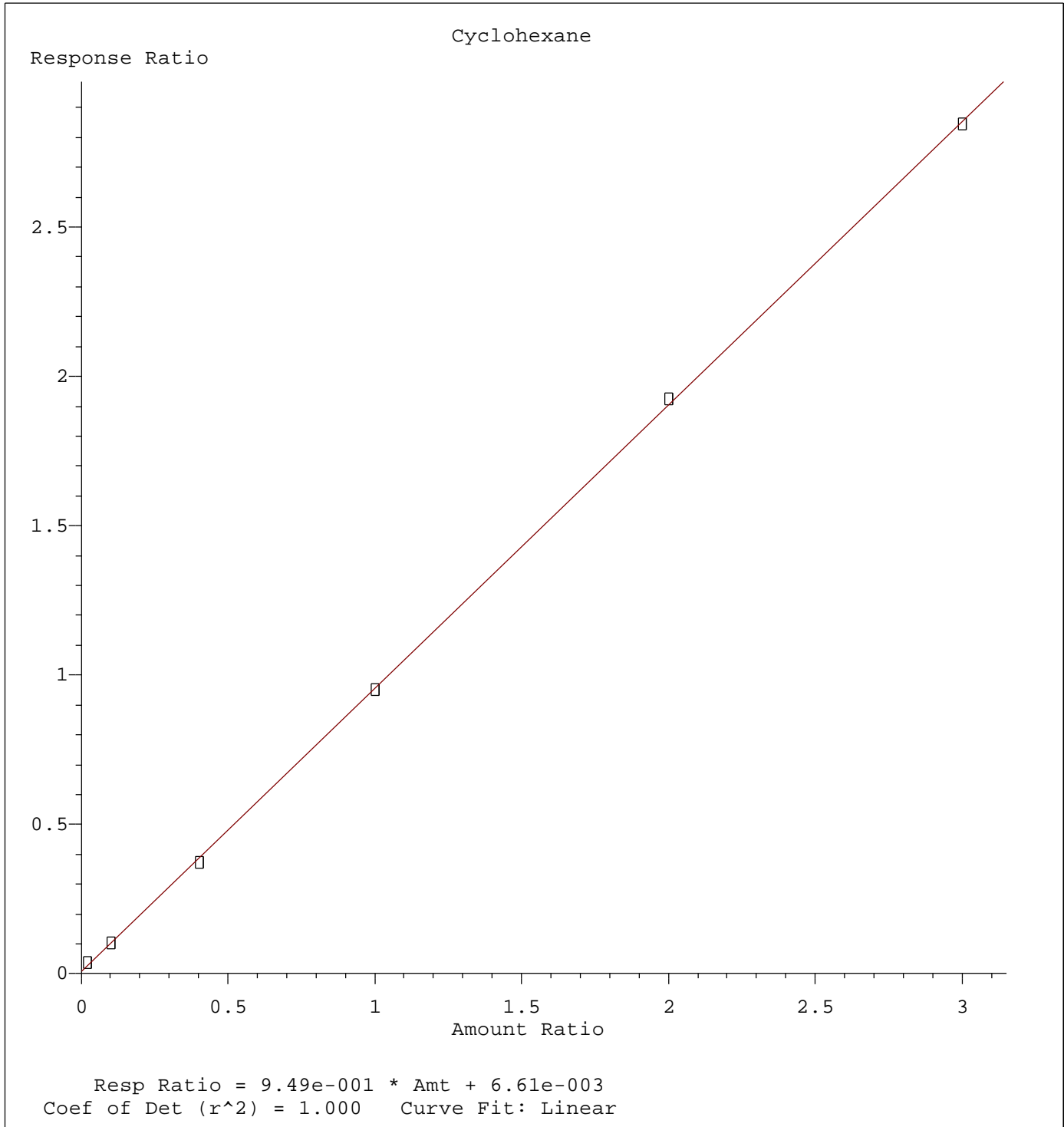
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Calibration Table Last Updated: Tue Aug 14 08:07:08 2018



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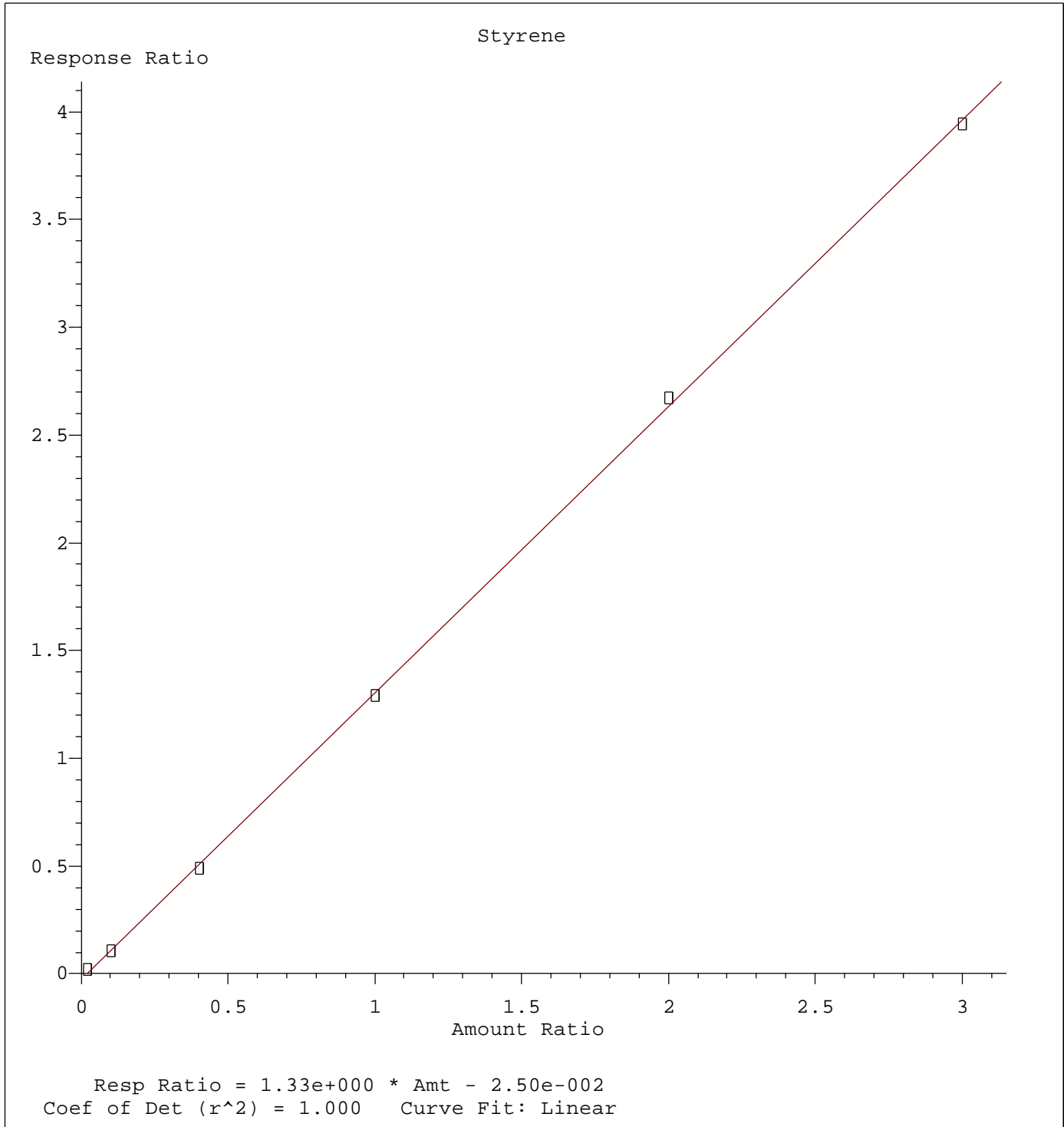
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Calibration Table Last Updated: Tue Aug 14 08:07:08 2018



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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Calibration Table Last Updated: Tue Aug 14 08:07:08 2018

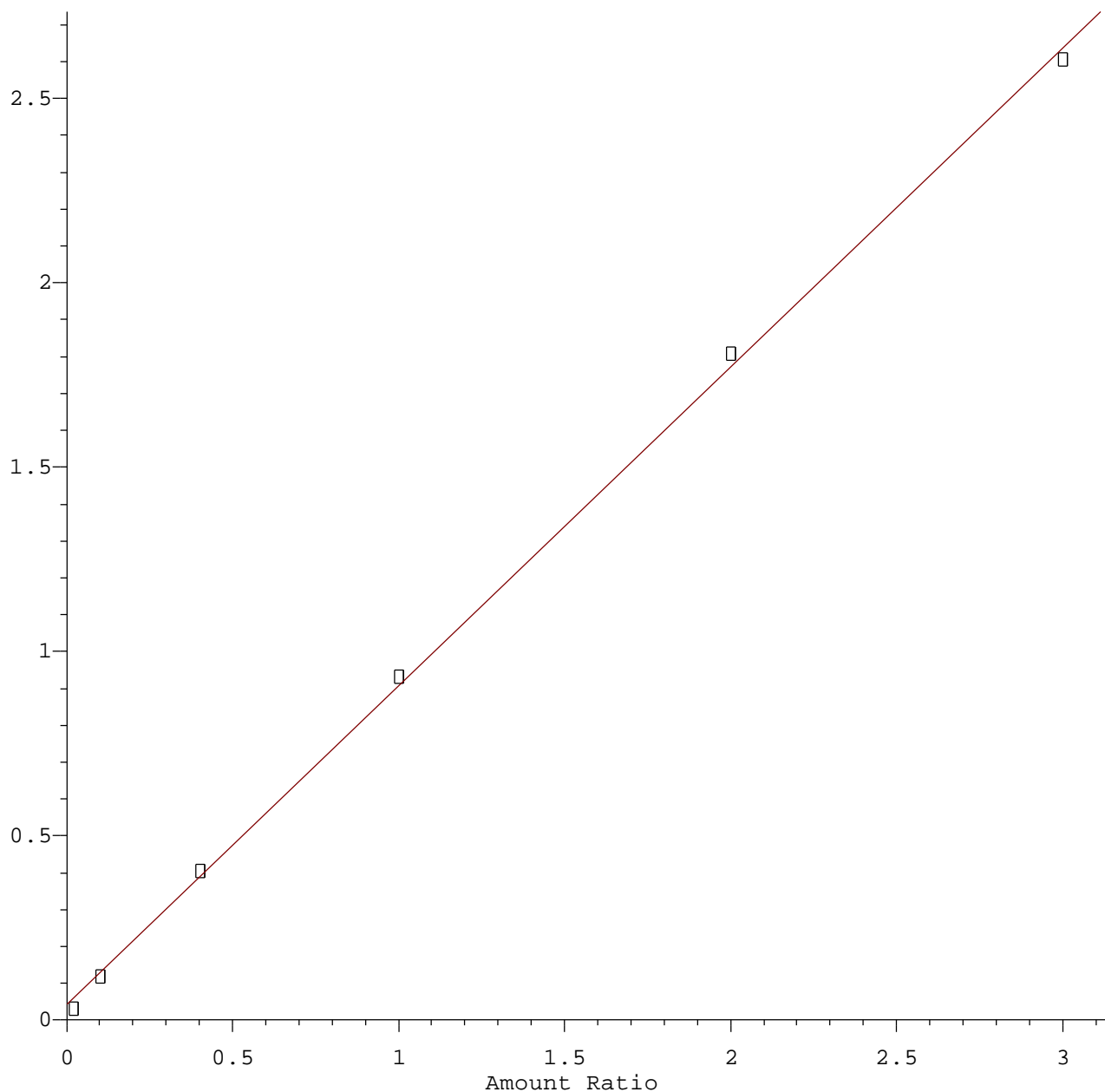
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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Calibration Table Last Updated: Tue Aug 14 08:07:08 2018

1,1,2,2-Tetrachloroethane

Response Ratio



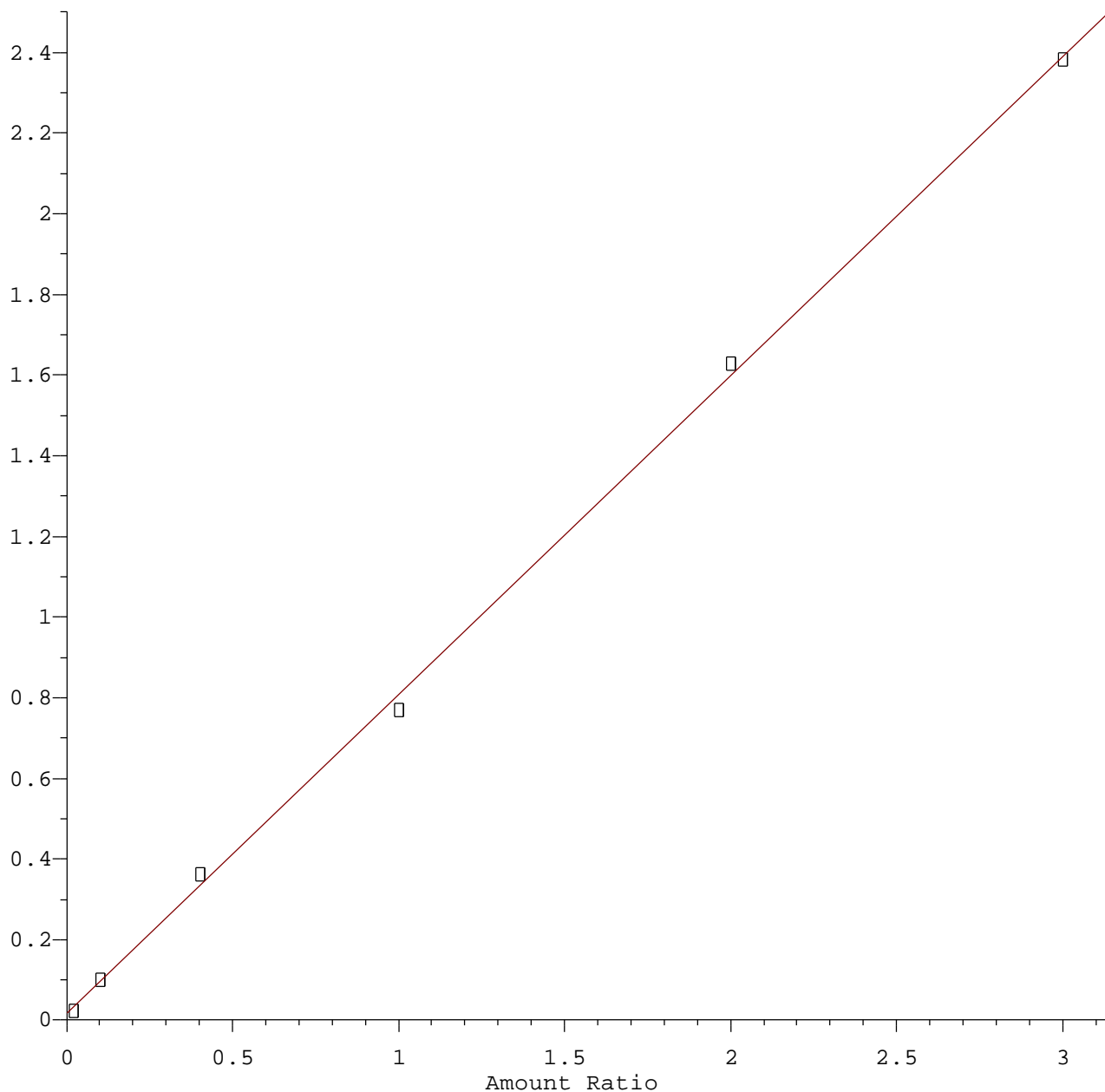
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Coef of Det (r^2) = 0.999 Curve Fit: Linear

Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Calibration Table Last Updated: Tue Aug 14 08:07:08 2018

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1,2,3-Trichloropropane

Response Ratio



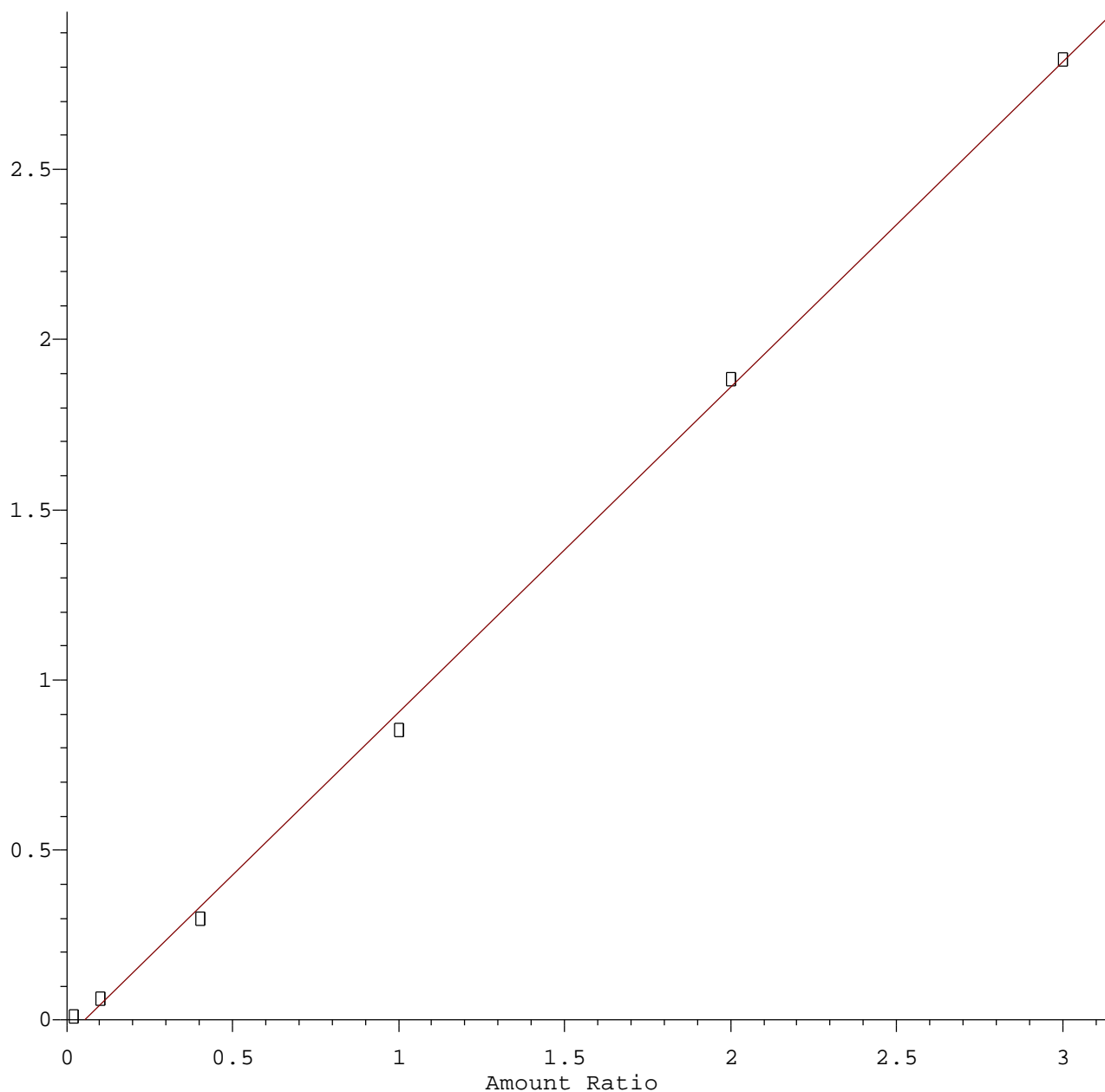
Resp Ratio = 7.91e-001 * Amt + 1.66e-002
Coef of Det (r^2) = 0.999 Curve Fit: Linear

Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Calibration Table Last Updated: Tue Aug 14 08:07:08 2018

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1,2,4-Trichlorobenzene

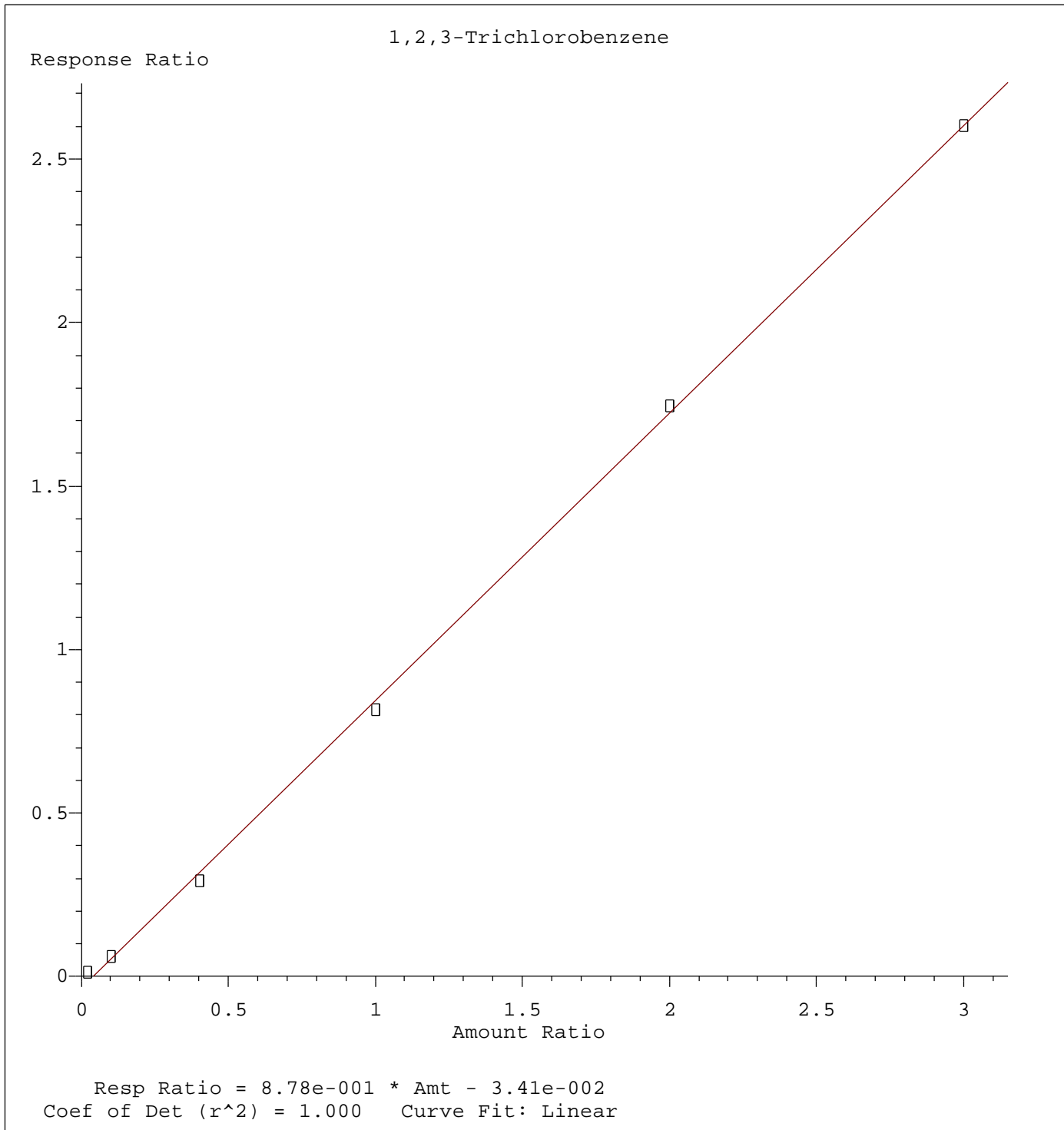
Response Ratio



Resp Ratio = 9.55e-001 * Amt - 5.11e-002
Coef of Det (r^2) = 0.999 Curve Fit: Linear

Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Calibration Table Last Updated: Tue Aug 14 08:07:08 2018

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Method Name: Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Calibration Table Last Updated: Tue Aug 14 08:07:08 2018

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050584.D
 Acq On : 13 Aug 2018 23:46
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC001

Manual Integrations
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 MMDadoda
 8/15/2018 3:20:52 PM

Quant Time: Aug 14 07:38:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	509190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	836986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	700821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	6657	1.18	ug/l	98
3) Chloromethane	2.06	50	11131	1.47	ug/l	96
4) Vinyl Chloride	2.18	62	9030	1.23	ug/l	94
5) Bromomethane	2.57	94	7988	1.78	ug/l	99
6) Chloroethane	2.70	64	6407	1.42	ug/l	99
7) Trichlorofluoromethane	3.01	101	12381	1.31	ug/l	98
8) Diethyl Ether	3.41	74	3794	1.10	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	7096	1.21	ug/l	98
12) 1,1-Dichloroethene	3.73	96	6454	1.17	ug/l	90
14) Allyl chloride	4.33	41	9652	1.10	ug/l	92
15) Acrylonitrile	5.00	53	10030	4.50	ug/l #	76
16) Acetone	3.83	43	11805	5.55	ug/l	100
17) Carbon Disulfide	4.05	76	20394	1.14	ug/l	97
18) Methyl Acetate	4.34	43	12207	2.01	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	14400	0.94	ug/l	93
20) Methylene Chloride	4.56	84	9724	1.28	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	6690	1.12	ug/l	91
22) Diisopropyl ether	5.96	45	16469	0.92	ug/l #	81
23) Vinyl Acetate	5.90	43	53512	4.24	ug/l	99
24) 1,1-Dichloroethane	5.85	63	13679	1.24	ug/l	95
25) 2-Butanone	6.85	43	13764	4.25	ug/l	94
26) 2,2-Dichloropropane	6.83	77	9815	1.11	ug/l #	67
27) cis-1,2-Dichloroethene	6.83	96	7451	1.13	ug/l	97
28) Bromochloromethane	7.20	49	5613	1.10	ug/l #	97
29) Tetrahydrofuran	7.22	42	6847	3.94	ug/l	94
30) Chloroform	7.37	83	14201	1.28	ug/l	99
31) Cyclohexane	7.66	56	18007	1.63	ug/l #	33
32) 1,1,1-Trichloroethane	7.57	97	11035	1.16	ug/l #	49
36) 1,1-Dichloropropene	7.80	75	9256	1.01	ug/l #	90
37) Ethyl Acetate	6.95	43	4555	0.72	ug/l #	71
38) Carbon Tetrachloride	7.78	117	10647	1.11	ug/l	94
39) Methylcyclohexane	9.08	83	8361	0.83	ug/l	93
40) Benzene	8.04	78	28133	1.00	ug/l	94
41) Methacrylonitrile	7.19	41	2315m	0.67	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050584.D
 Acq On : 13 Aug 2018 23:46
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Manual Integrations
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MMDadoda
 8/15/2018 3:20:52 PM

Quant Time: Aug 14 07:38:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.13	62	8910	1.00	ug/l	96
43) Isopropyl Acetate	8.17	43	8645	0.78	ug/l	96
44) Trichloroethene	8.84	130	8290	1.09	ug/l	98
45) 1,2-Dichloropropane	9.12	63	7909	1.06	ug/l	99
46) Dibromomethane	9.21	93	4982	1.10	ug/l	92
47) Bromodichloromethane	9.40	83	10131	1.07	ug/l	91
48) Methyl methacrylate	9.20	41	4900	0.88	ug/l	89
49) 1,4-Dioxane	9.21	88	1275	15.15	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	28648	3.62	ug/l	94
52) Toluene	10.16	92	14533	0.86	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	8185	0.87	ug/l	94
54) cis-1,3-Dichloropropene	9.84	75	8856	0.84	ug/l	97
55) 1,1,2-Trichloroethane	10.57	97	6478	0.99	ug/l	95
56) Ethyl methacrylate	10.43	69	5025	0.62	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	9816	0.91	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	11413	2.99	ug/l	97
59) 2-Hexanone	10.75	43	17482	3.18	ug/l	86
60) Dibromochloromethane	10.90	129	6424	0.89	ug/l	95
61) 1,2-Dibromoethane	11.01	107	5617	0.87	ug/l	99
64) Tetrachloroethene	10.63	164	7028	1.07	ug/l	98
65) Chlorobenzene	11.44	112	17775	1.01	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	6904	1.08	ug/l #	64
67) Ethyl Benzene	11.51	91	24023	0.85	ug/l	98
68) m/p-Xylenes	11.62	106	17865	1.65	ug/l	97
69) o-Xylene	11.95	106	8274	0.79	ug/l	95
70) Styrene	11.97	104	12039	0.71	ug/l	95
71) Bromoform	12.13	173	4144	0.90	ug/l #	98
73) Isopropylbenzene	12.25	105	20276	1.02	ug/l	95
74) N-amyl acetate	12.07	43	5507	0.88	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	8102	1.44	ug/l	92
76) 1,2,3-Trichloropropane	12.56	75	5896m	1.24	ug/l	
77) Bromobenzene	12.53	156	6279	1.18	ug/l	93
78) n-propylbenzene	12.59	91	21167	0.94	ug/l	97
79) 2-Chlorotoluene	12.68	91	14521	1.04	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	14373	0.89	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.31	75	1245	0.94	ug/l #	85
82) 4-Chlorotoluene	12.77	91	12676	0.91	ug/l	98
83) tert-Butylbenzene	12.99	119	13842	0.98	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	13490	0.82	ug/l	98
85) sec-Butylbenzene	13.17	105	16260	0.87	ug/l	98
86) p-Isopropyltoluene	13.29	119	12399	0.77	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	9749	1.03	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	10266m	1.09	ug/l	
89) n-Butylbenzene	13.62	91	10778	0.79	ug/l	90
90) Hexachloroethane	13.88	117	3920	1.36	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	10160	1.07	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	822	0.87	ug/l	92
93) 1,2,4-Trichlorobenzene	14.91	180	2789	0.59	ug/l	95
94) Hexachlorobutadiene	15.01	225	3487	1.01	ug/l	94
95) Naphthalene	15.13	128	4852	0.45	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050584.D
 Acq On : 13 Aug 2018 23:46
 Operator : MD\SY
 Sample : VSTDICC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampled :
 VSTDICC001

Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:20:52 PM

Quant Time: Aug 14 07:38:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	3053	0.64	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

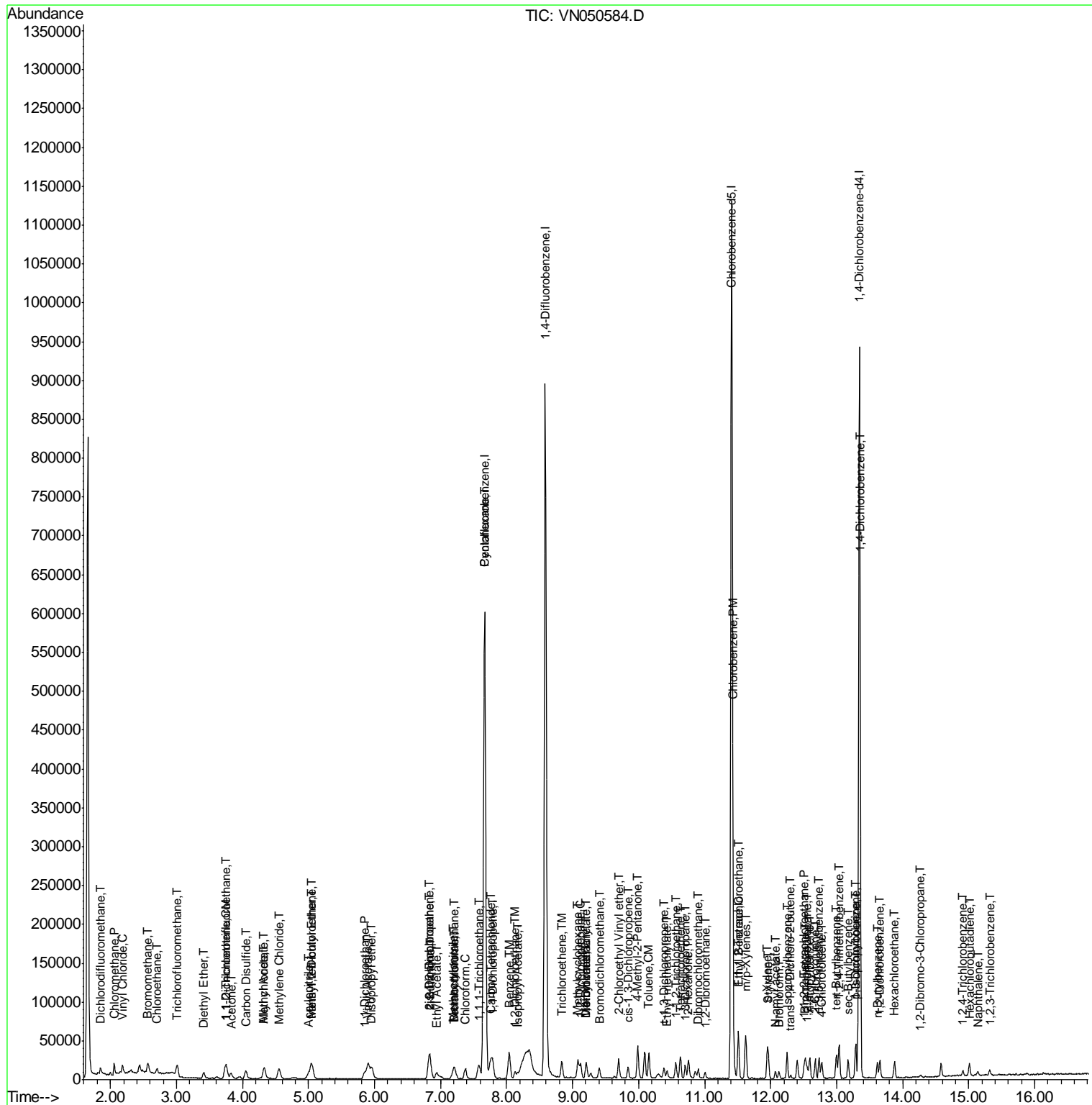
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050584.D
 Acq On : 13 Aug 2018 23:46
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

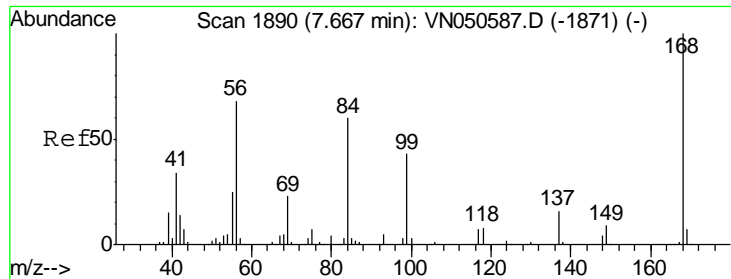
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC001

Manual Integrations
 APPROVED
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 8/15/2018 3:20:52 PM

Quant Time: Aug 14 07:38:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration



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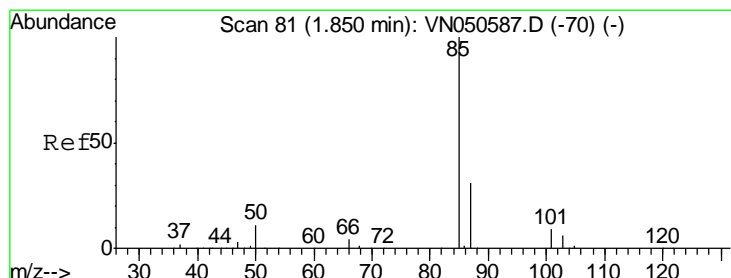
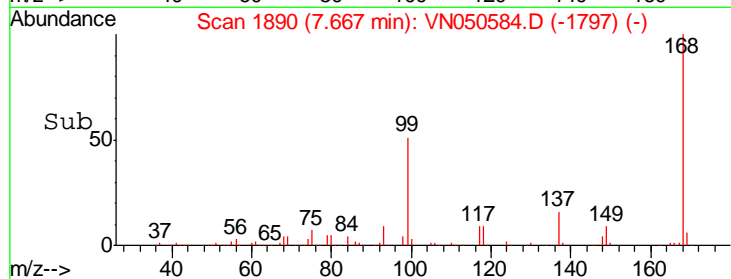
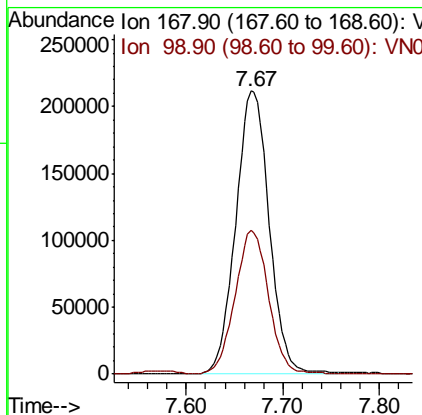
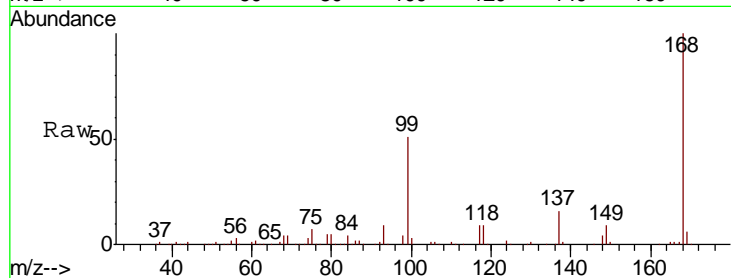
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.5	40.8	61.2

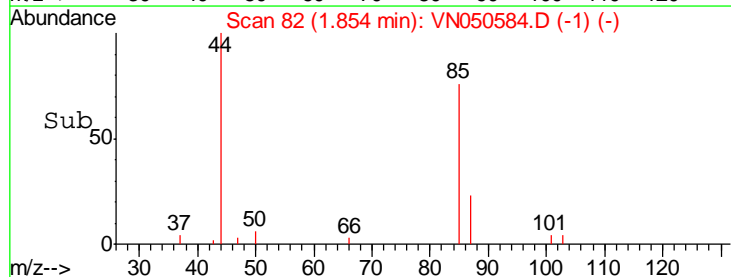
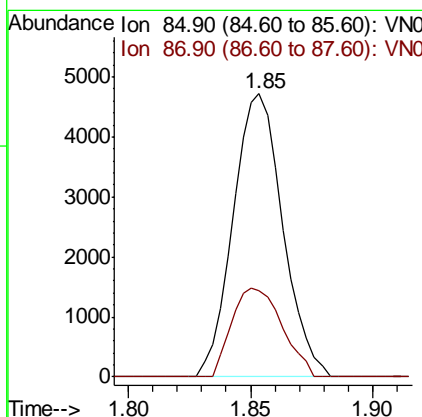
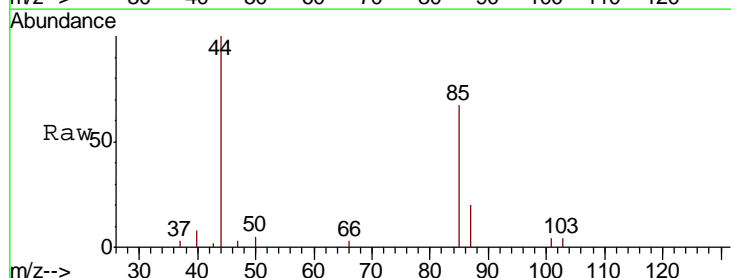
Manual Integrations
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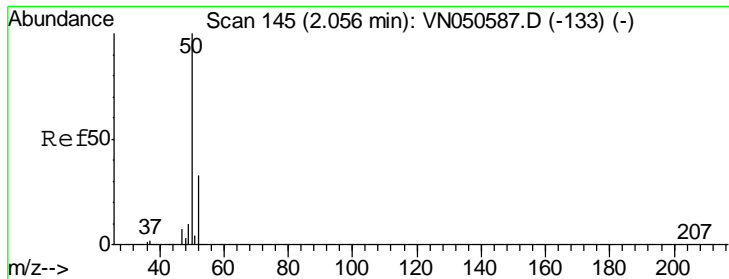
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#2
 Dichlorodifluoromethane
 Concen: 1.18 ug/l
 RT: 1.85 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
85	100		
87	30.5	15.8	47.3





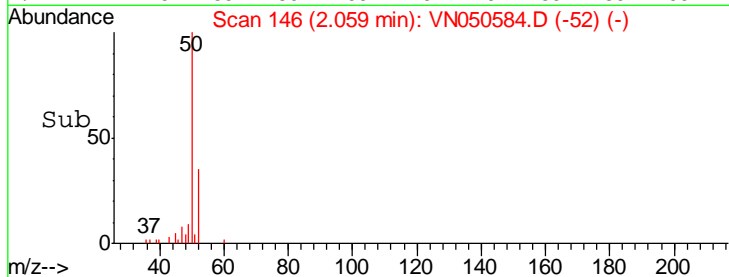
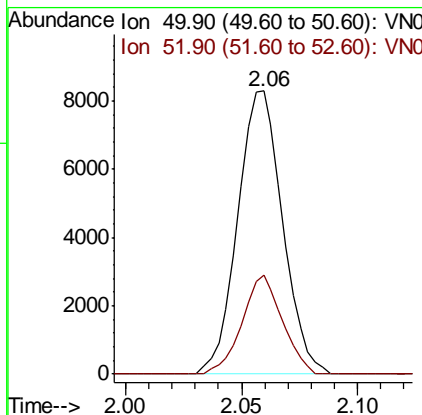
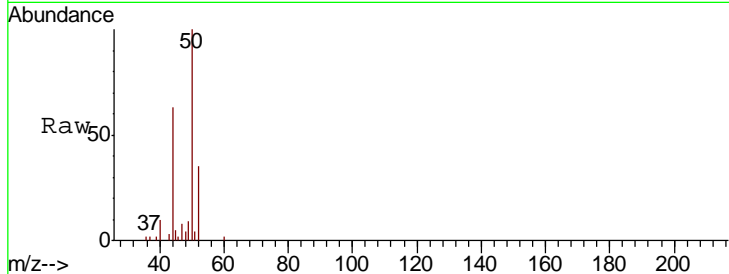
#3
 Chloromethane
 Concen: 1.47 ug/l
 RT: 2.06 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
50	11131		
52	34.9	26.0	39.0

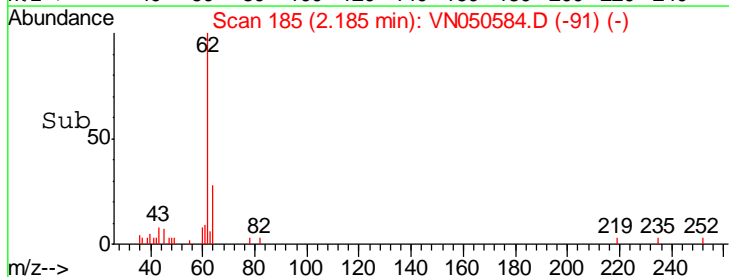
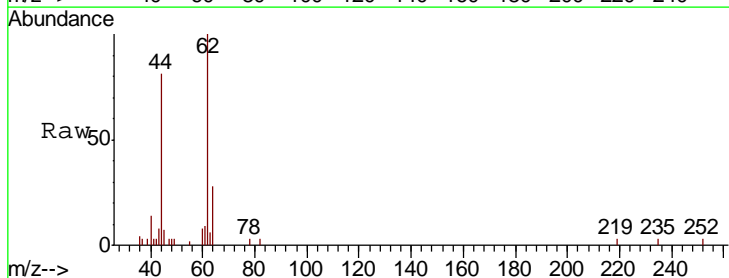
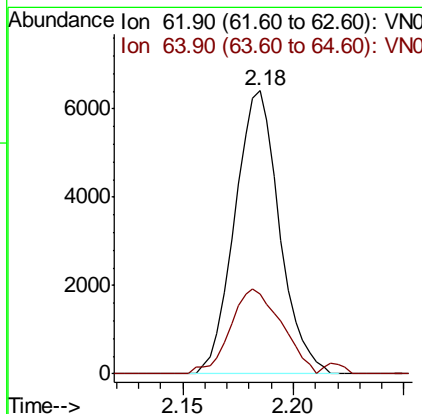
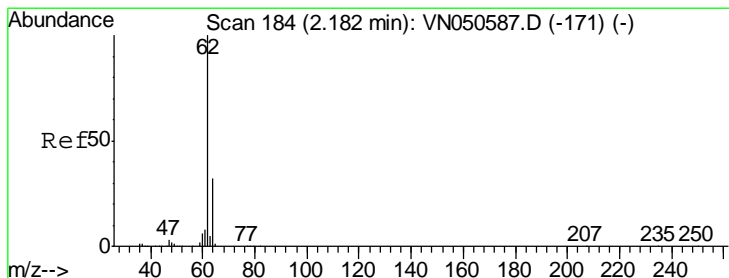
Manual Integrations
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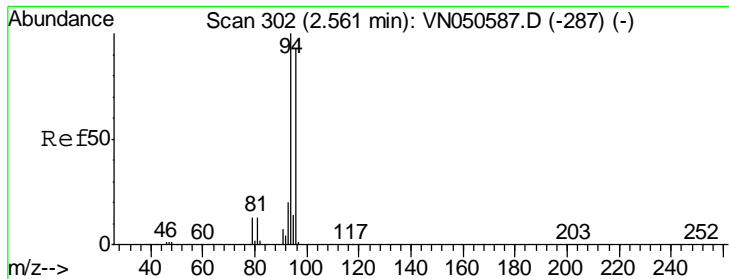
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#4
 Vinyl Chloride
 Concen: 1.23 ug/l
 RT: 2.18 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
62	9030		
64	28.0	25.2	37.8





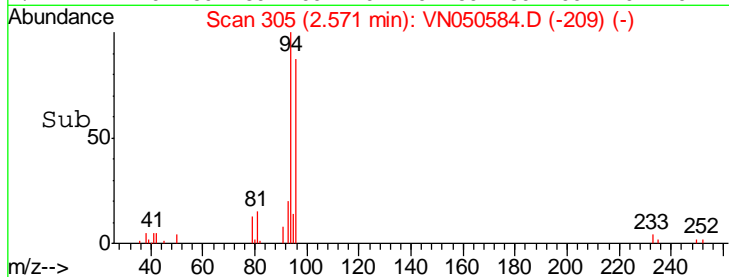
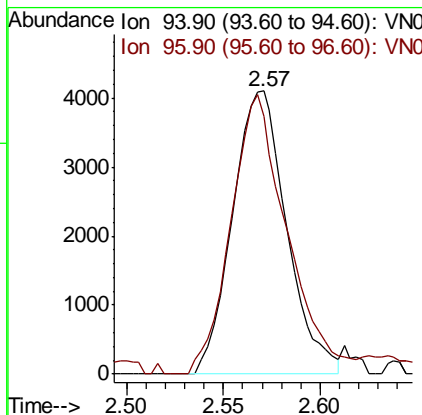
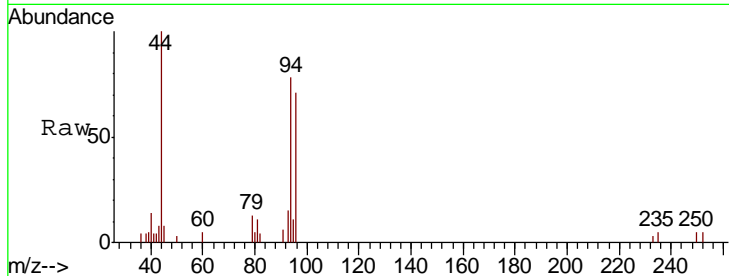
#5
 Bromomethane
 Concen: 1.78 ug/l
 RT: 2.57 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
94	7988		
94	100		
96	91.1	74.0	111.0

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

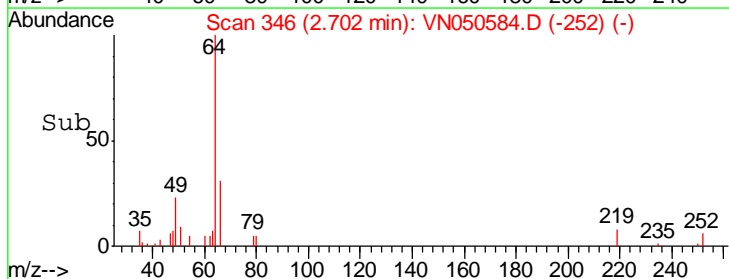
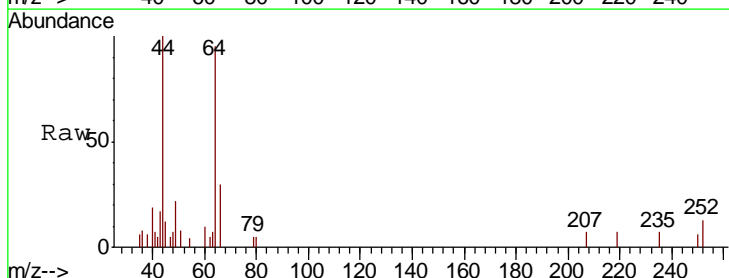
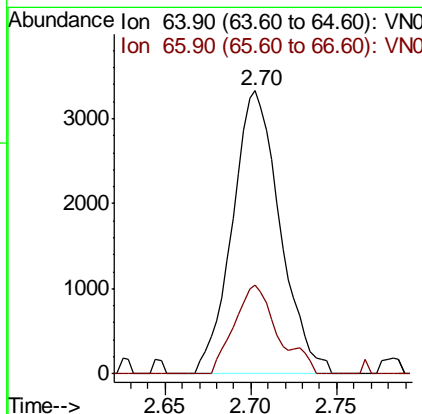
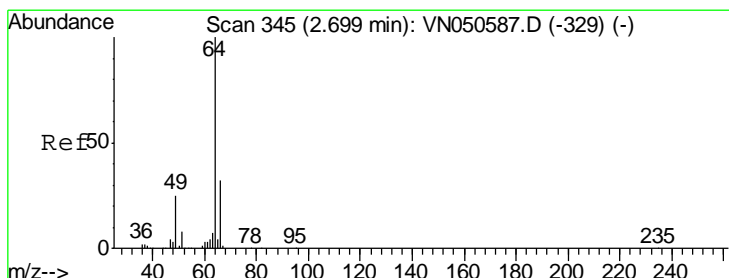
Manual Integrations
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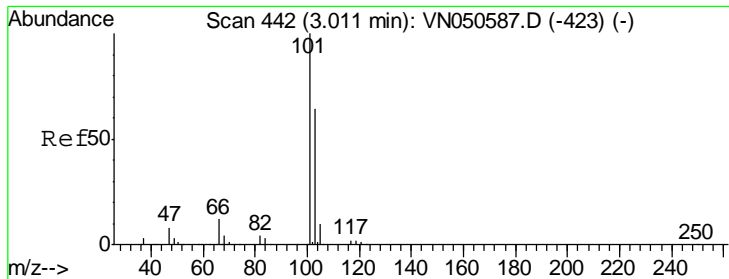
MMDadoda
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#6
 Chloroethane
 Concen: 1.42 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
64	6407		
64	100		
66	31.4	25.7	38.5





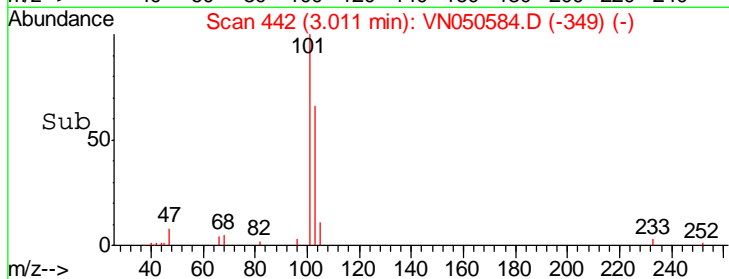
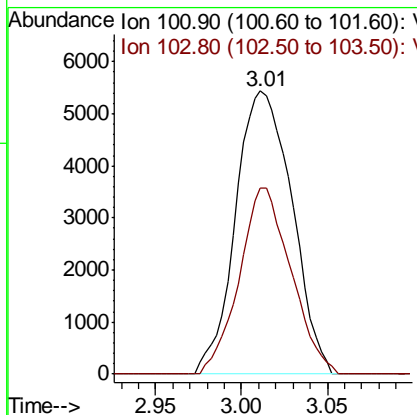
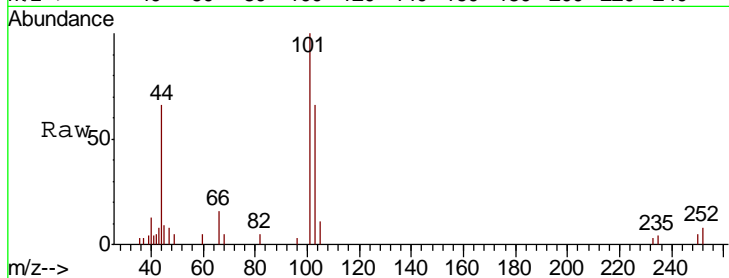
#7
 Trichlorofluoromethane
 Concen: 1.31 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
101	12381		
101	100		
103	65.8	51.4	77.0

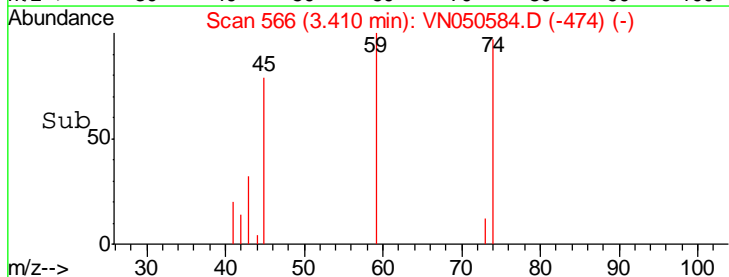
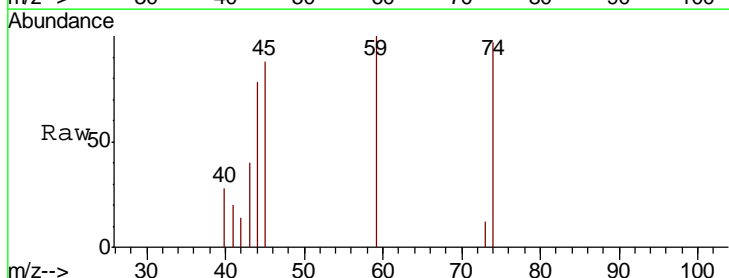
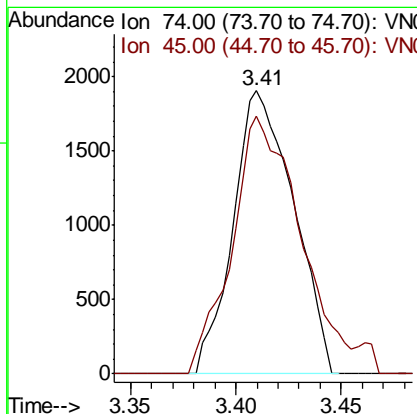
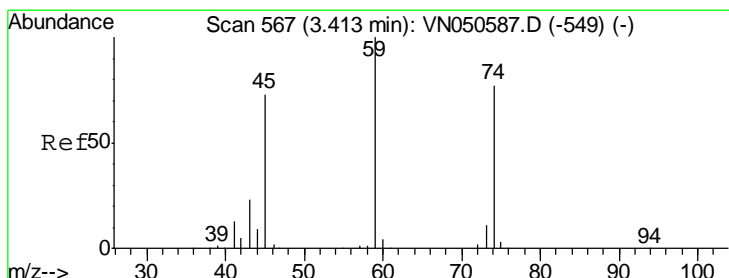
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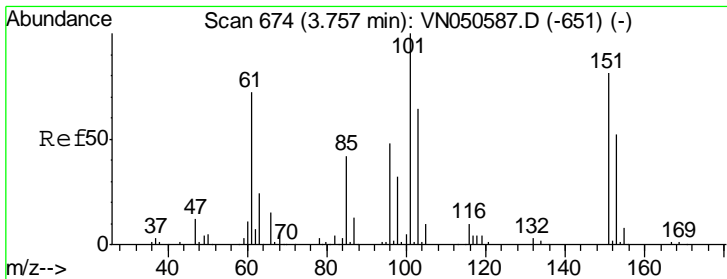
MMDadoda
 8/15/2018 3:20:52 PM



#8
 Diethyl Ether
 Concen: 1.10 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
74	3794		
74	100		
45	102.6	48.0	144.2





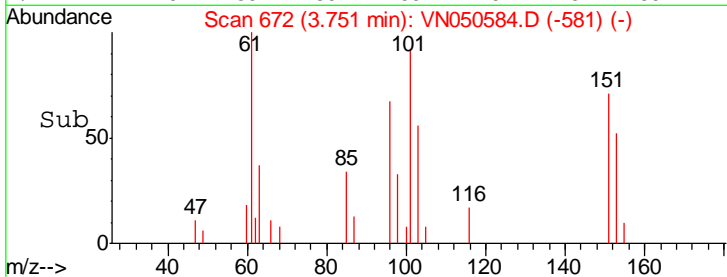
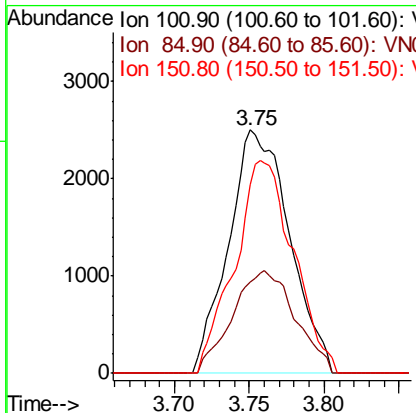
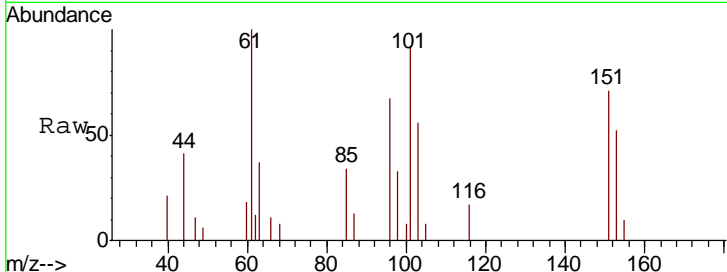
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.21 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
101	7096		
101	100		
85	43.5	33.4	50.0
151	84.3	66.6	100.0

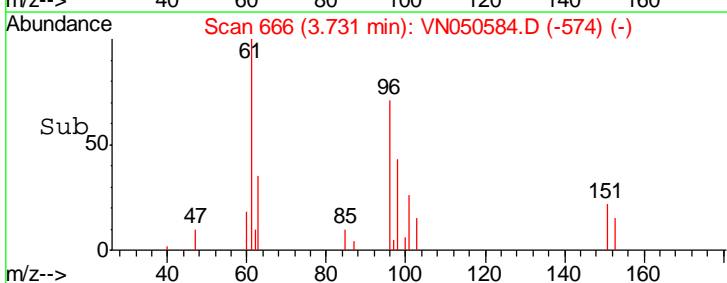
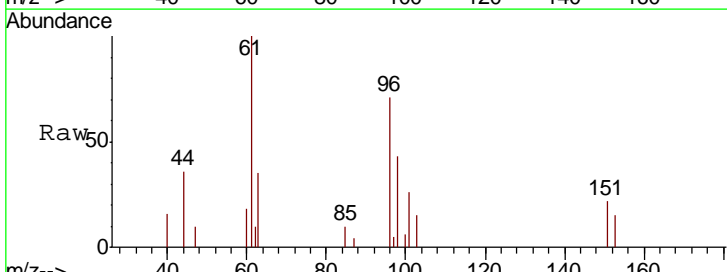
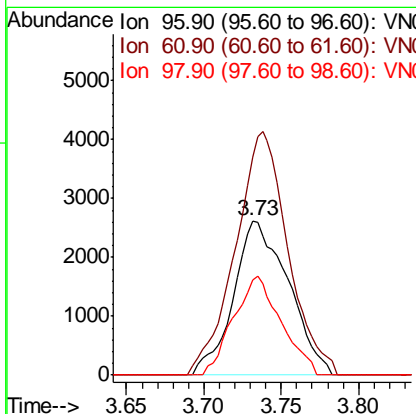
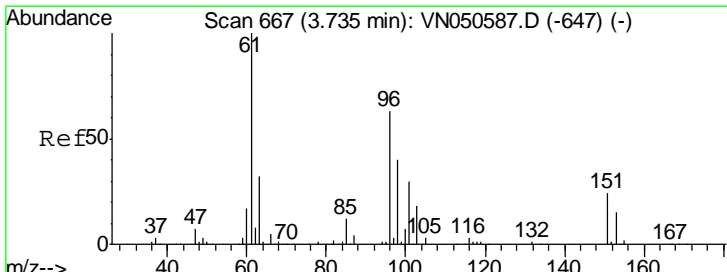
Manual Integrations
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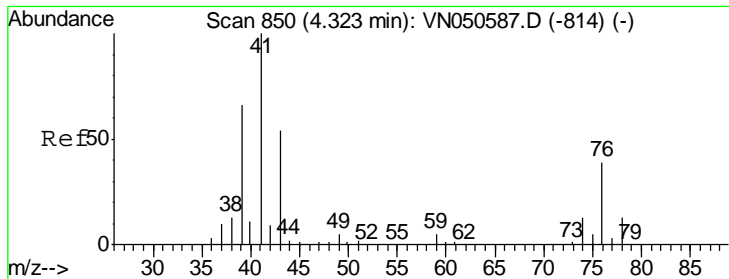
MMDadoda
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#12
 1,1-Dichloroethene
 Concen: 1.17 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
96	6454		
96	100		
61	141.3	126.9	190.3
98	61.3	51.1	76.7





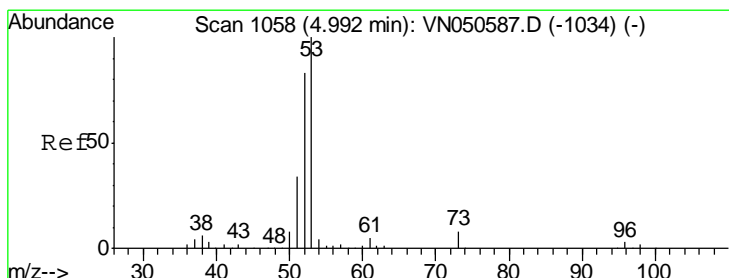
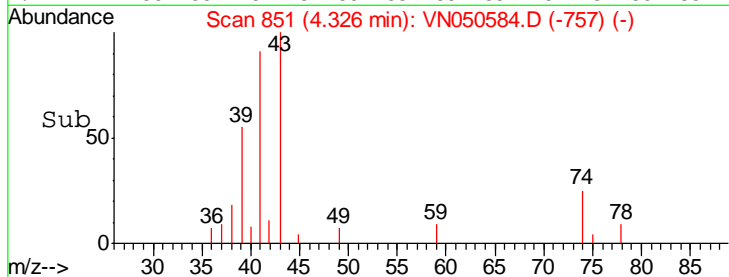
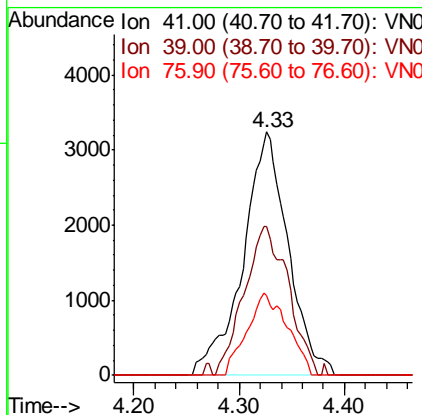
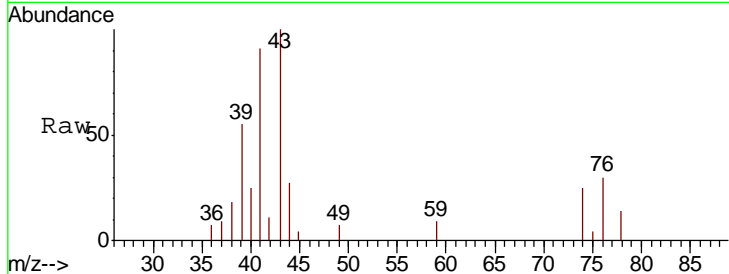
#14
 Allyl chloride
 Concen: 1.10 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
41	100		
39	59.7	51.4	77.0
76	30.1	29.4	44.0

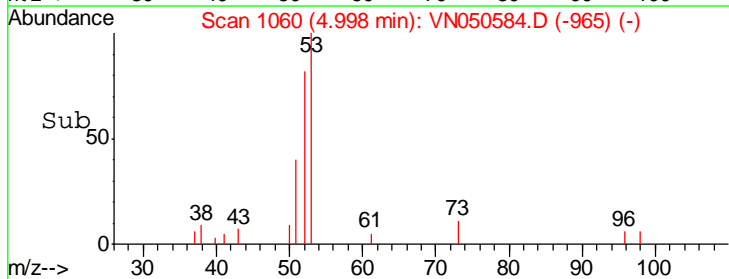
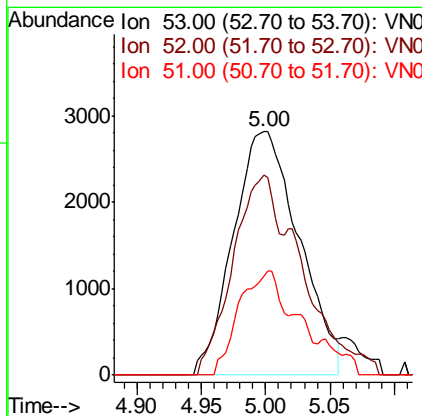
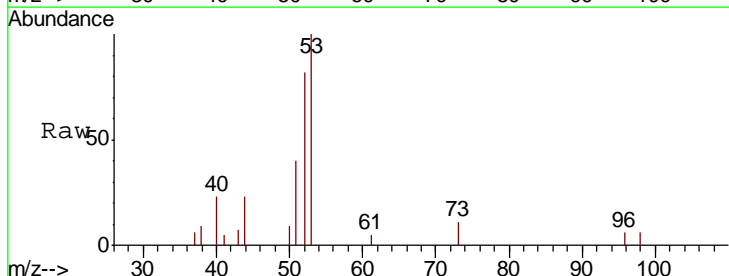
Manual Integrations
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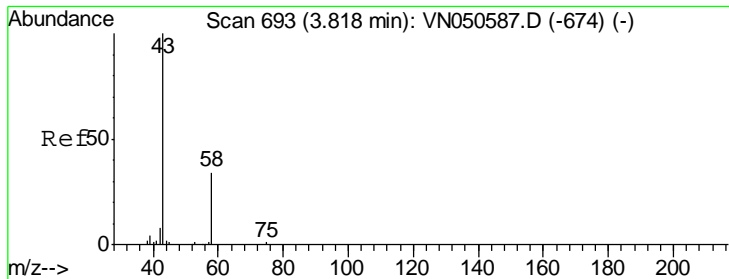
MMDadoda
 8/15/2018 3:20:52 PM



#15
 Acrylonitrile
 Concen: 4.50 ug/l
 RT: 5.00 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
53	100		
52	57.4	66.2	99.2#
51	27.8	28.6	43.0#





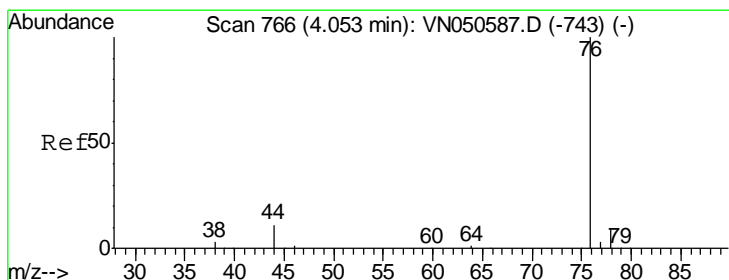
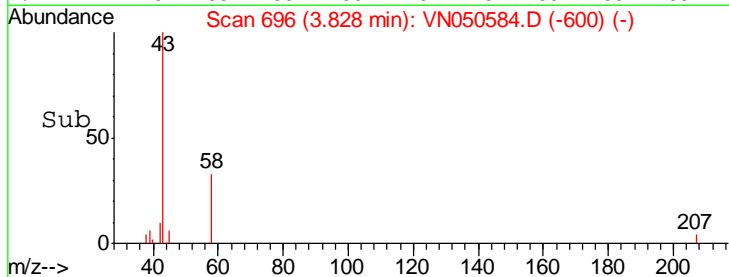
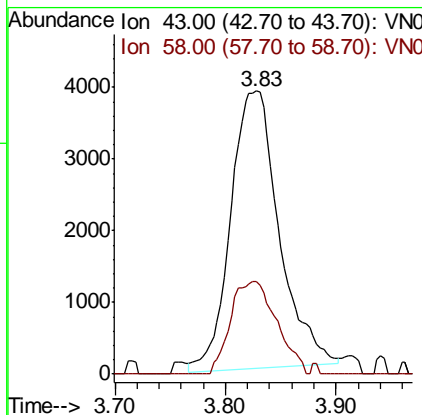
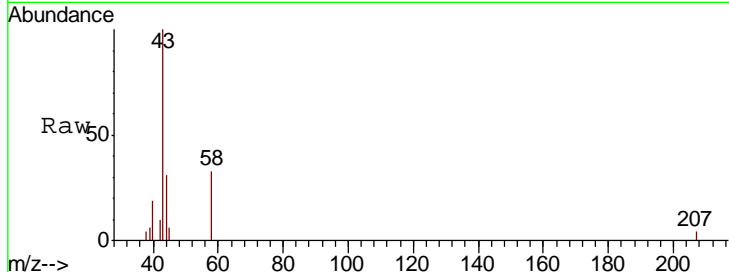
#16
 Acetone
 Concen: 5.55 ug/l
 RT: 3.83 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
43	11805		
58	34.1	27.1	40.7

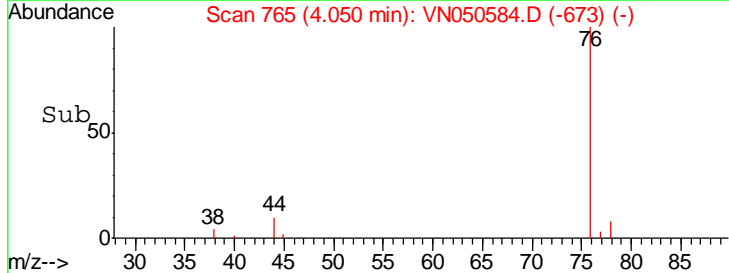
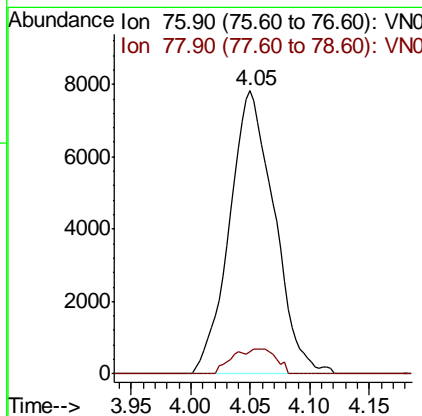
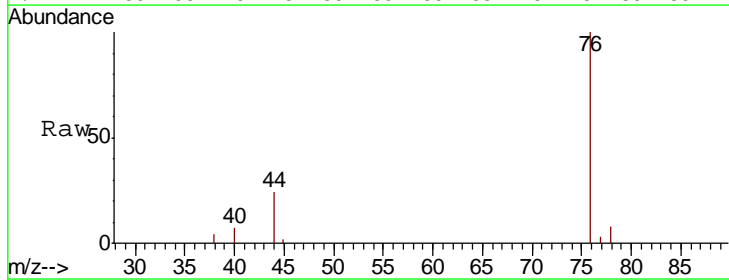
Manual Integrations
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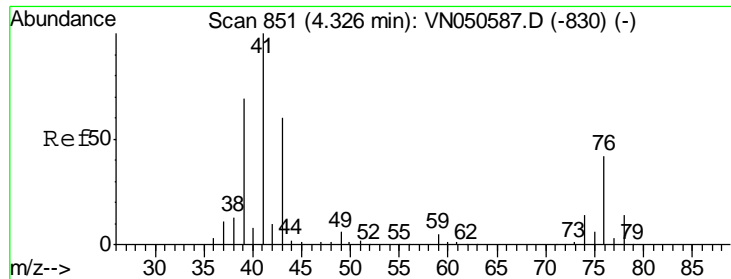
MMDadoda
 8/15/2018 3:20:52 PM



#17
 Carbon Disulfide
 Concen: 1.14 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
76	20394		
78	7.9	7.3	10.9





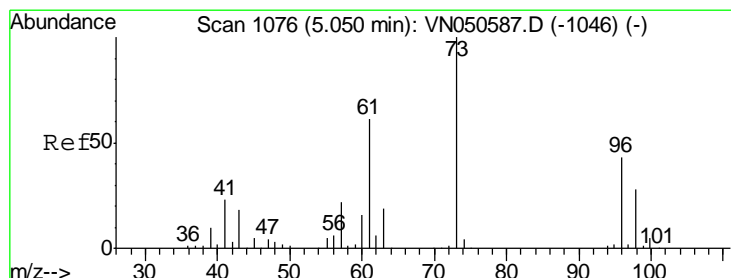
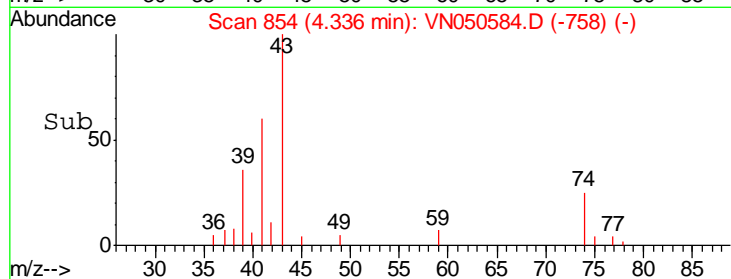
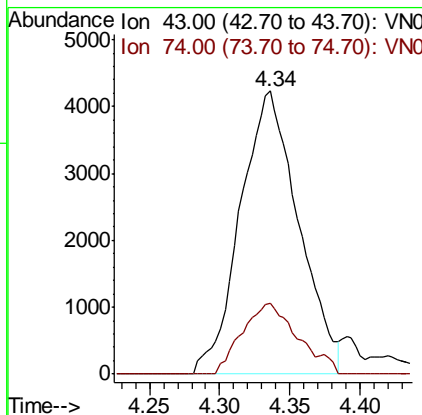
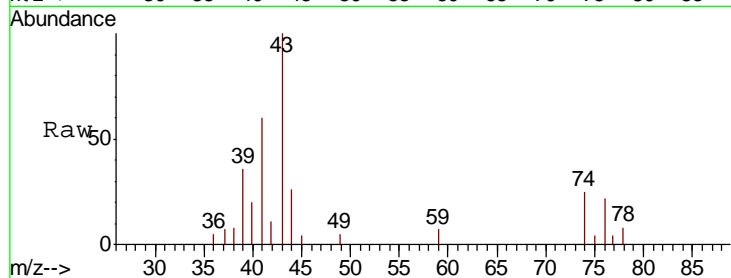
#18
 Methyl Acetate
 Concen: 2.01 ug/l
 RT: 4.34 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
43	100		
74	23.9	19.7	29.5

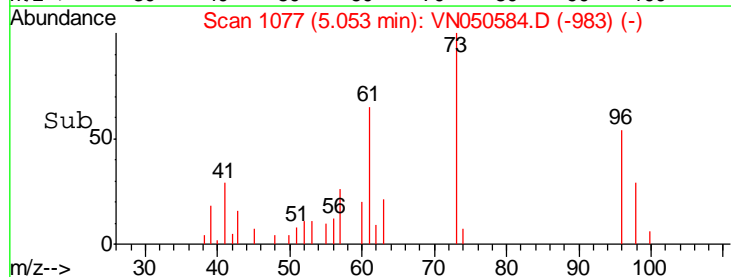
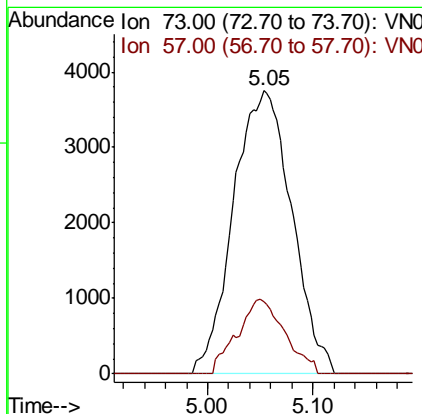
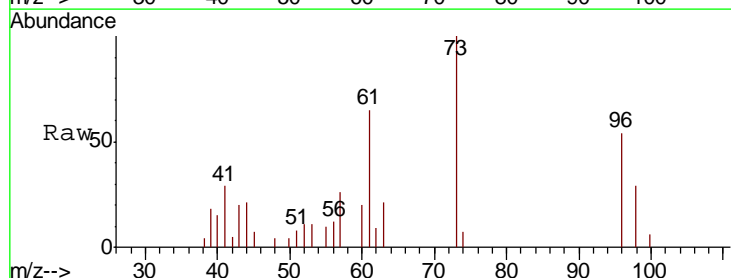
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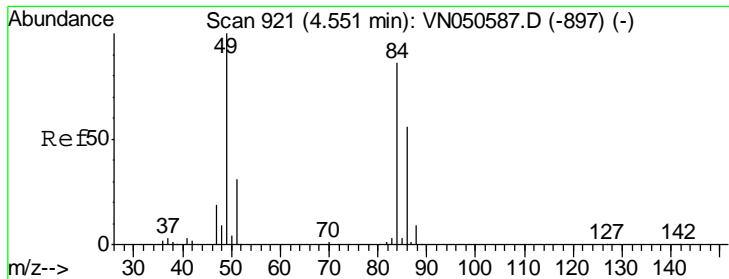
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 8/15/2018 3:20:52 PM



#19
 Methyl tert-butyl Ether
 Concen: 0.94 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

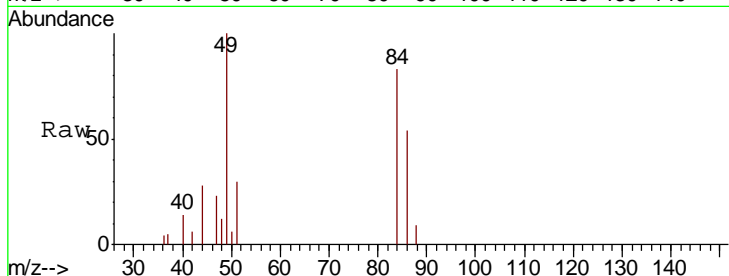
Tgt Ion	Resp	Lower	Upper
73	100		
57	25.7	17.9	26.9





#20
 Methylene Chloride
 Concen: 1.28 ug/l
 RT: 4.56 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC001

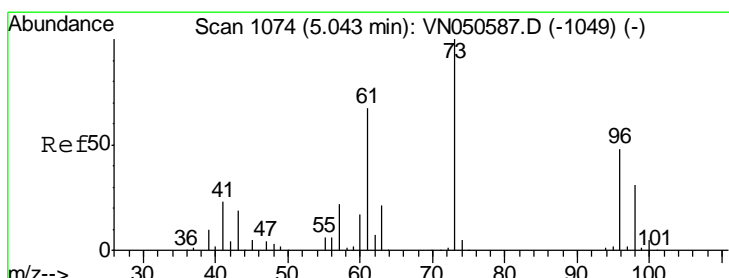
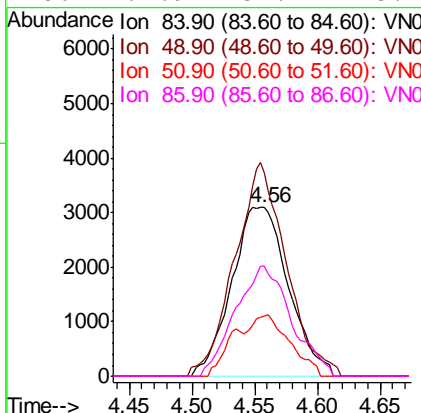
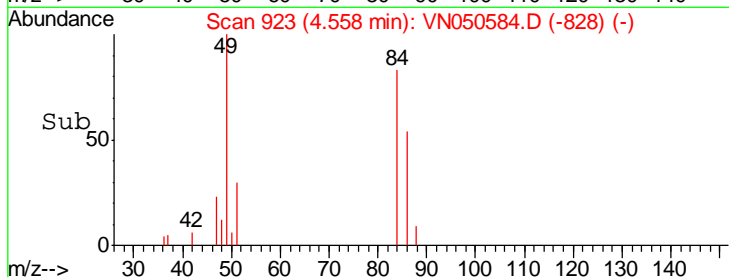


Tgt Ion: 84 Resp: 9724

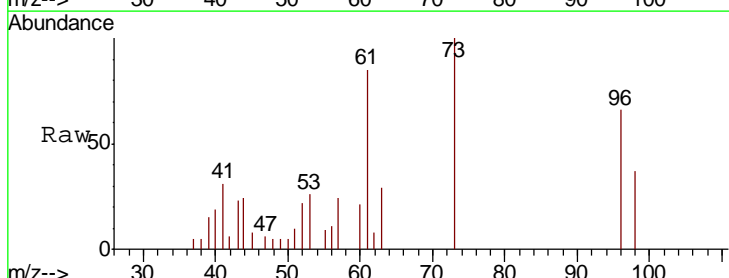
Ion	Ratio	Lower	Upper
84	100		
49	120.6	92.6	138.8
51	35.7	28.6	43.0
86	64.9	52.2	78.2

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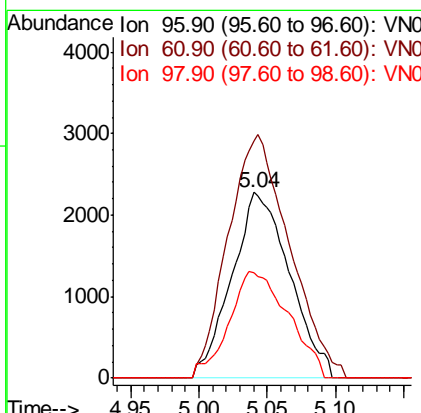
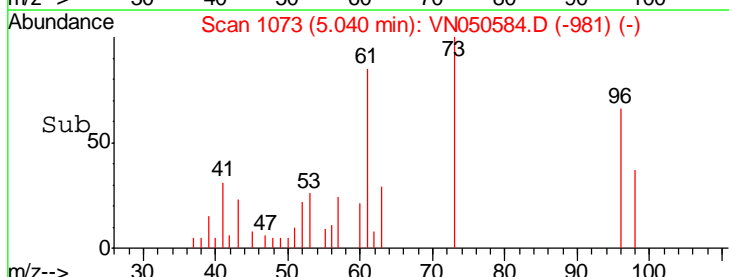


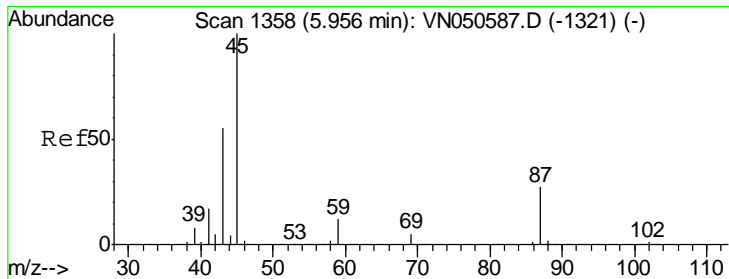
#21
 trans-1,2-Dichloroethene
 Concen: 1.12 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46



Tgt Ion: 96 Resp: 6690

Ion	Ratio	Lower	Upper
96	100		
61	127.8	111.2	166.8
98	56.6	51.6	77.4





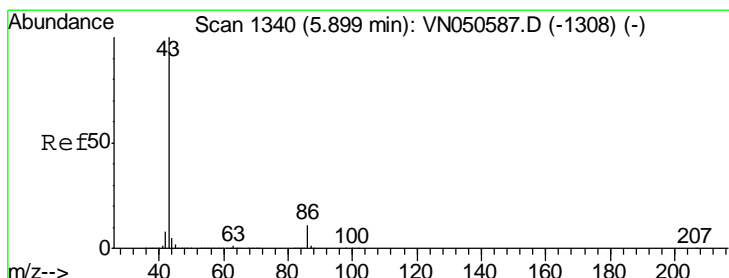
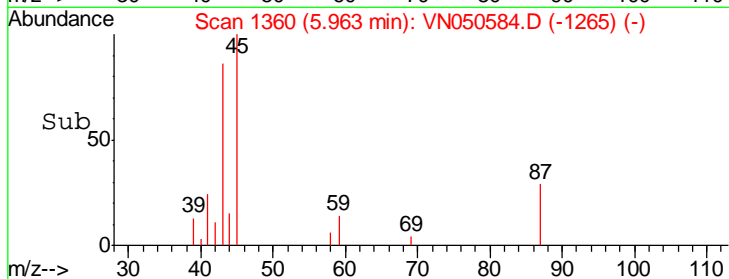
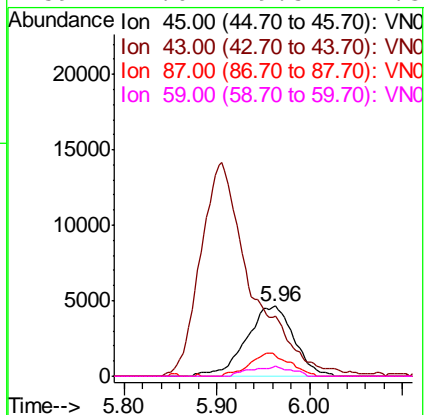
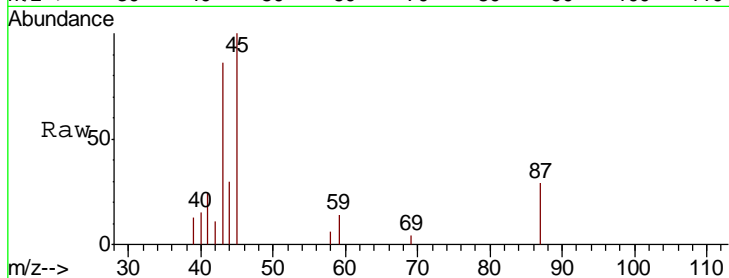
#22
 Diisopropyl ether
 Concen: 0.92 ug/l
 RT: 5.96 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
45	100		
43	76.7	44.5	66.7#
87	29.4	22.2	33.2
59	14.0	9.5	14.3

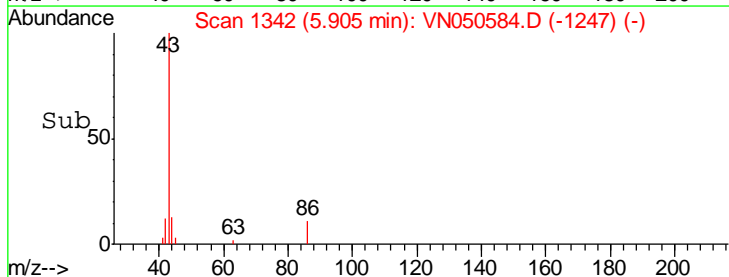
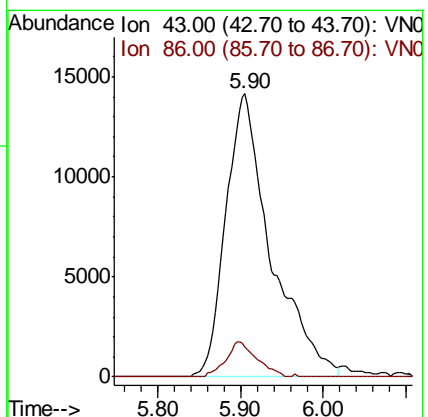
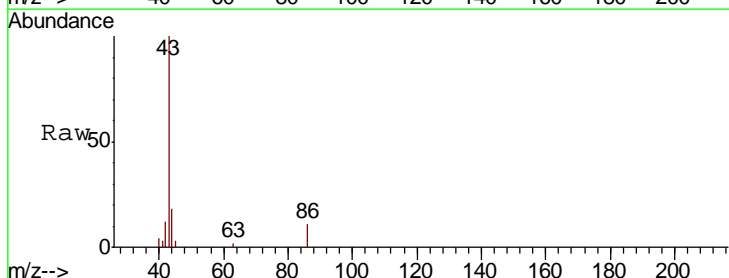
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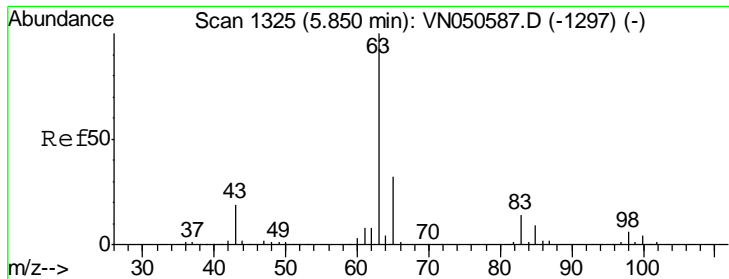
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#23
 Vinyl Acetate
 Concen: 4.24 ug/l
 RT: 5.90 min Scan# 1342
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.8	8.4	12.6





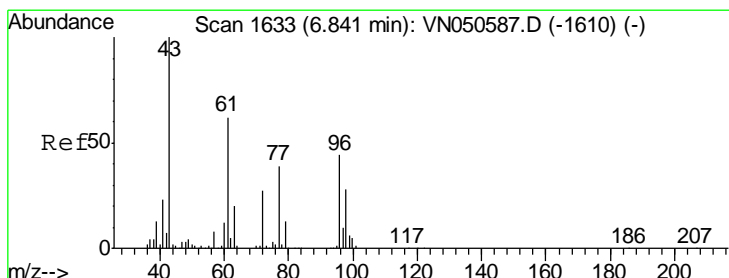
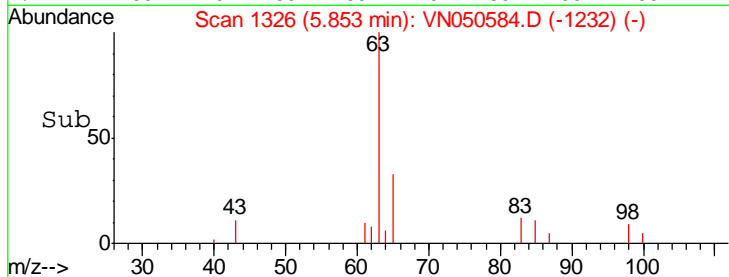
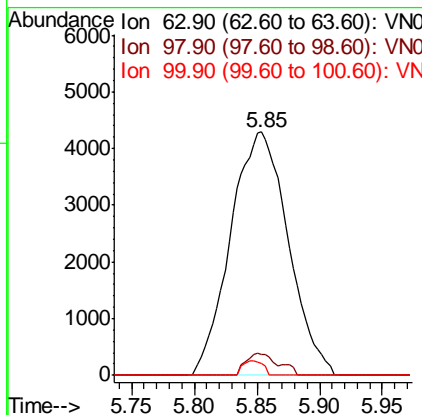
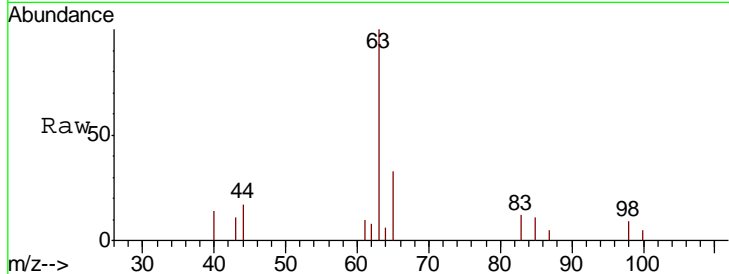
#24
 1,1-Dichloroethane
 Concen: 1.24 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
63	13679		
98	8.8	3.2	9.6
100	4.7	2.1	6.5

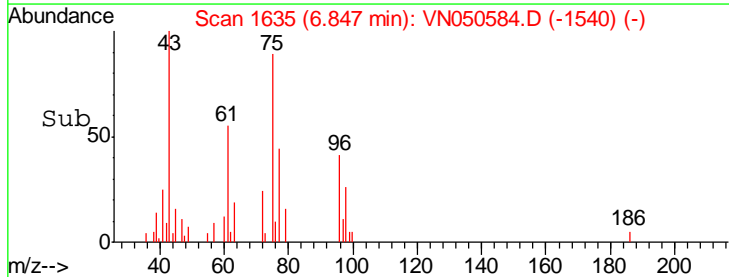
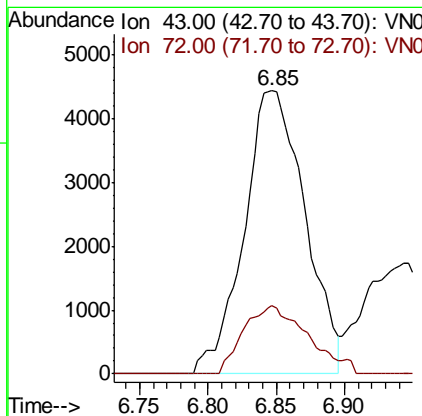
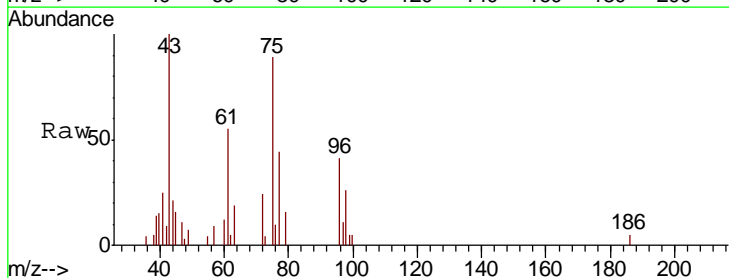
Manual Integrations
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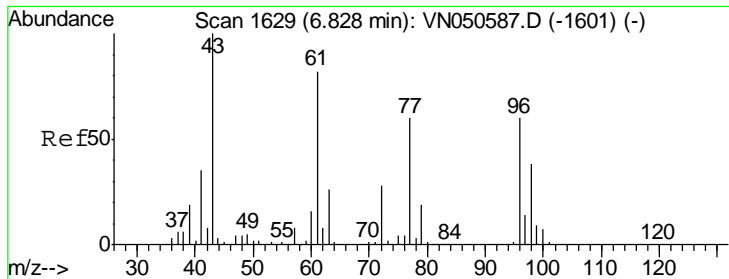
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#25
 2-Butanone
 Concen: 4.25 ug/l
 RT: 6.85 min Scan# 1635
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
43	13764		
72	24.1	21.8	32.6





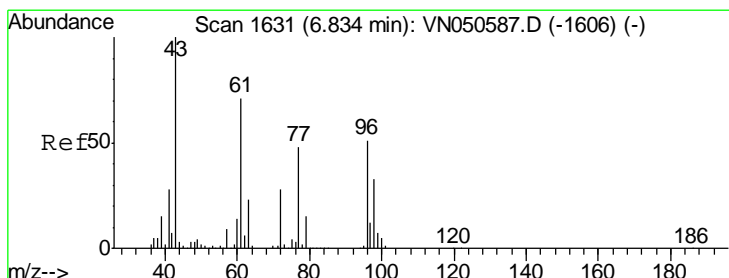
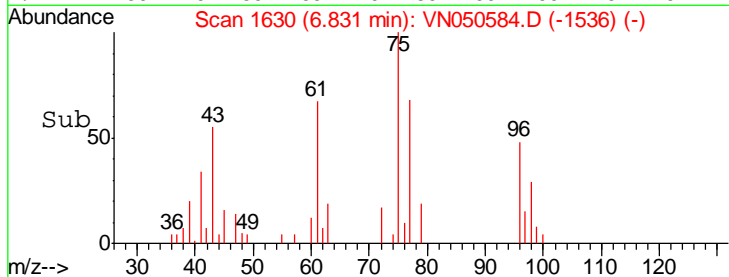
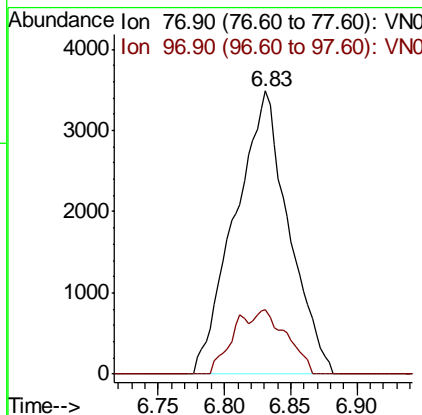
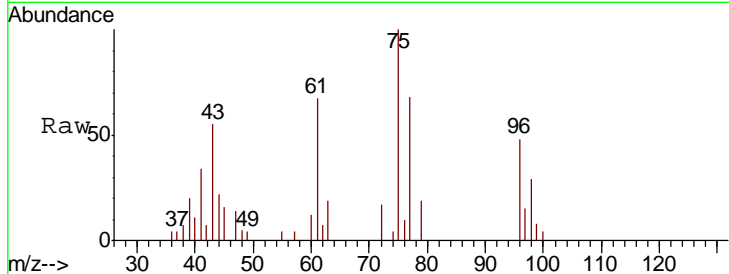
#26
 2,2-Dichloropropane
 Concen: 1.11 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
77	100		
97	7.8	12.2	36.4#

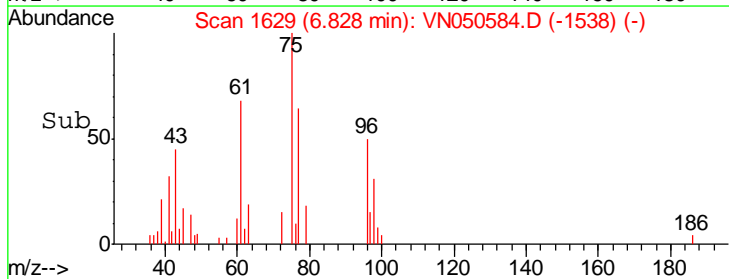
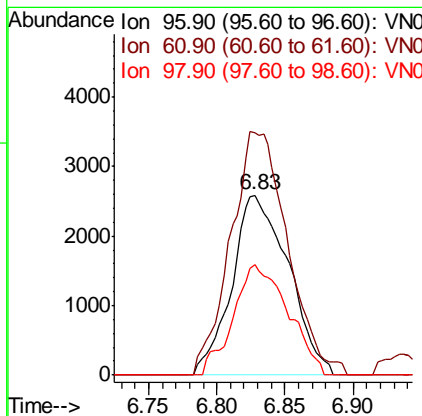
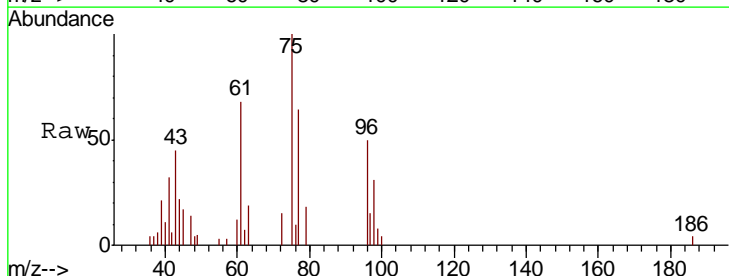
Manual Integrations
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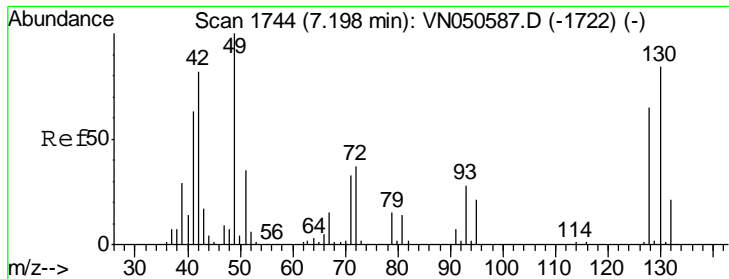
MMDadoda
 8/15/2018 3:20:52 PM



#27
 cis-1,2-Dichloroethene
 Concen: 1.13 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	278.2
98	59.6	0.0	128.8





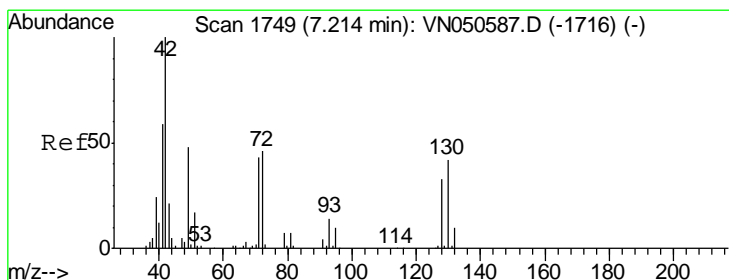
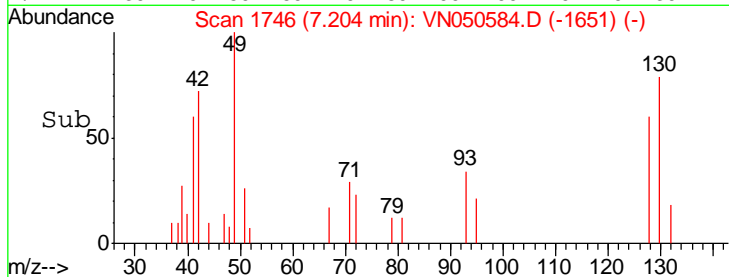
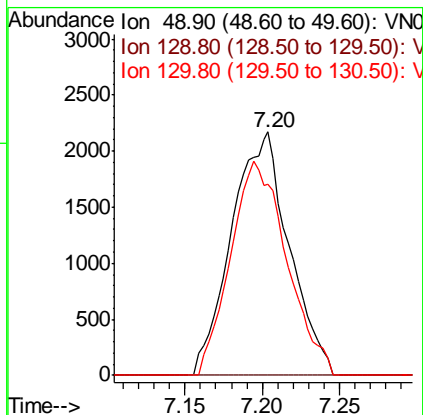
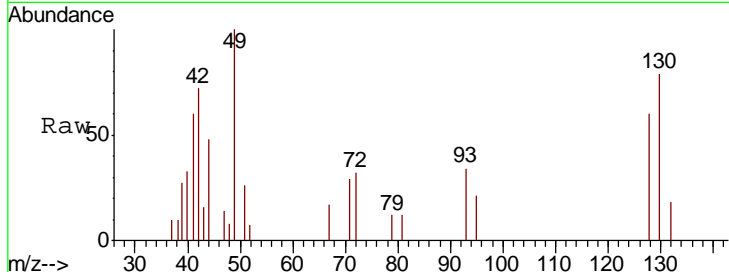
#28
 Bromochloromethane
 Concen: 1.10 ug/l
 RT: 7.20 min Scan# 1746
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
49	5613		
49	100		
129	0.0	0.0	4.2
130	86.0	66.8	100.2

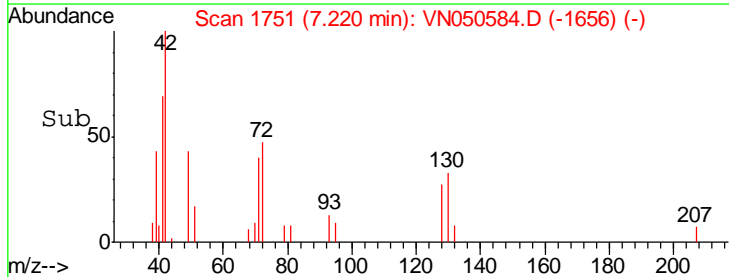
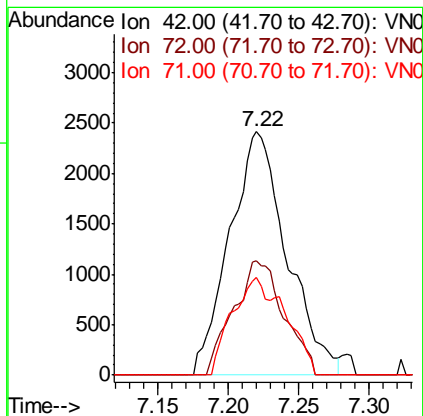
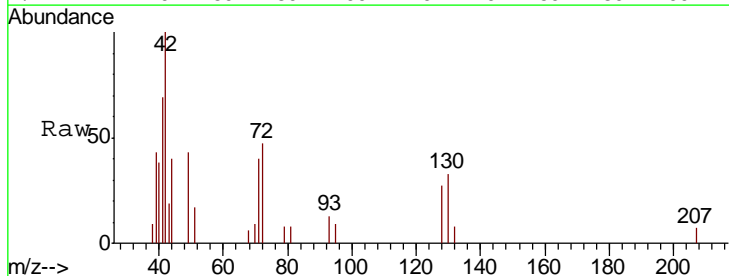
Manual Integrations
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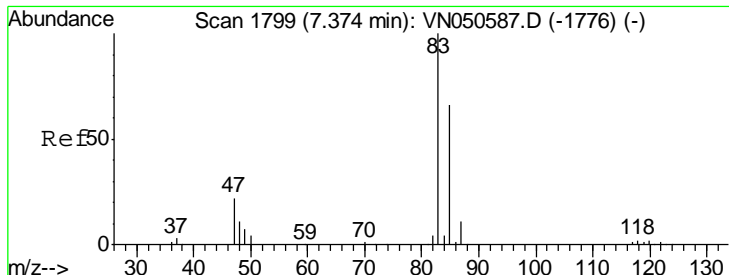
MMDadoda
 8/15/2018 3:20:52 PM



#29
 Tetrahydrofuran
 Concen: 3.94 ug/l
 RT: 7.22 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
42	6847		
42	100		
72	41.4	35.8	53.6
71	37.3	33.4	50.0





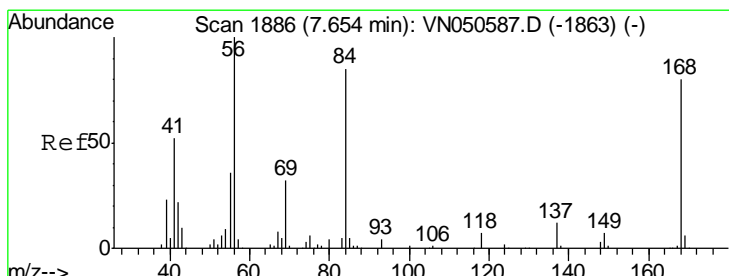
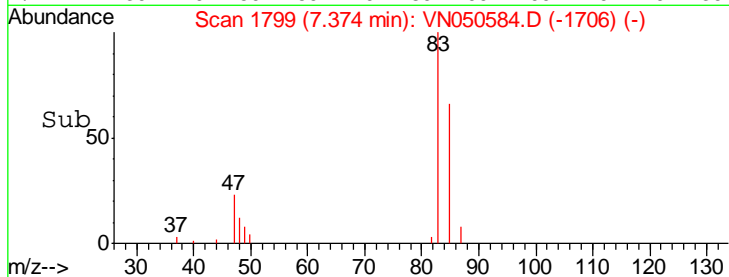
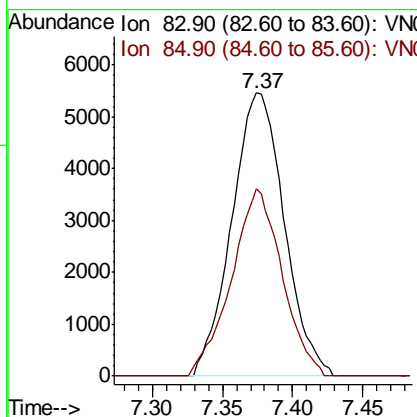
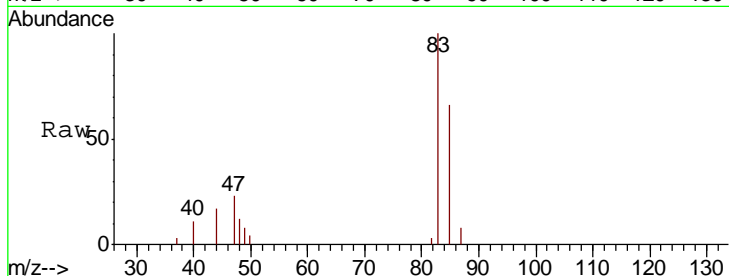
#30
 Chloroform
 Concen: 1.28 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
83	14201		
85	66.2	52.5	78.7

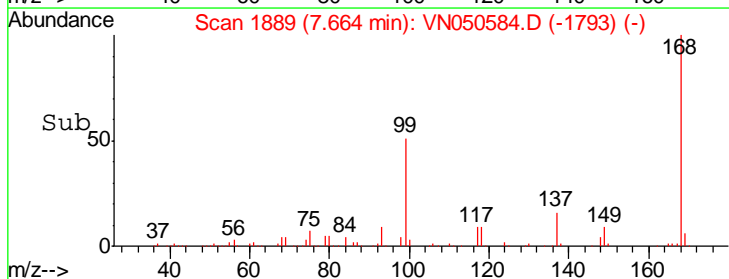
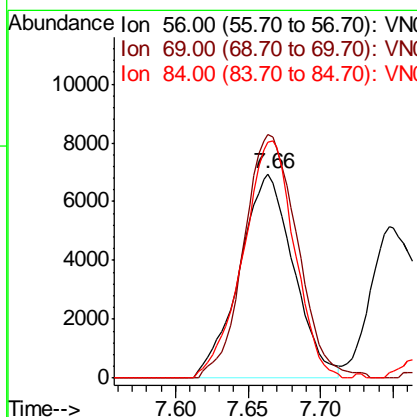
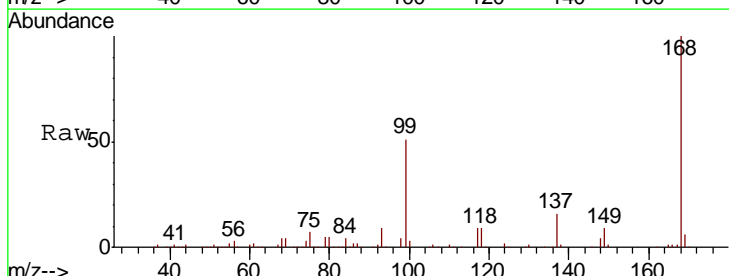
Manual Integrations
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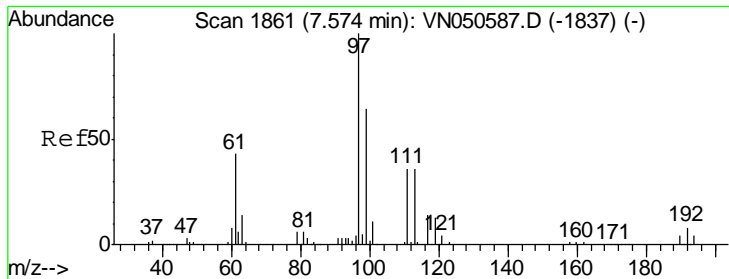
MMDadoda
 8/15/2018 3:20:52 PM



#31
 Cyclohexane
 Concen: 1.63 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
56	18007		
69	119.0	25.8	38.6#
84	115.3	67.8	101.6#





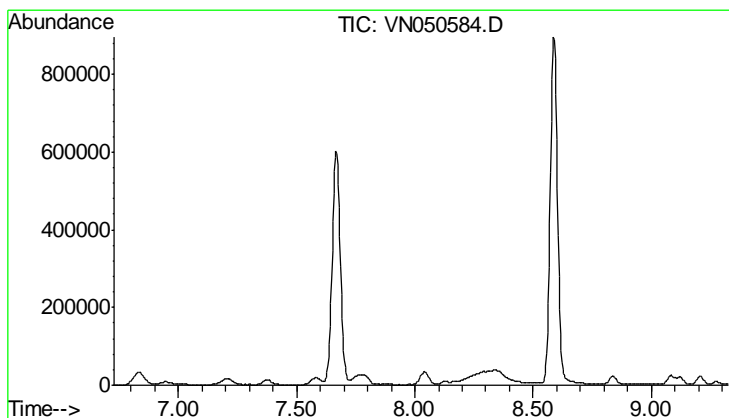
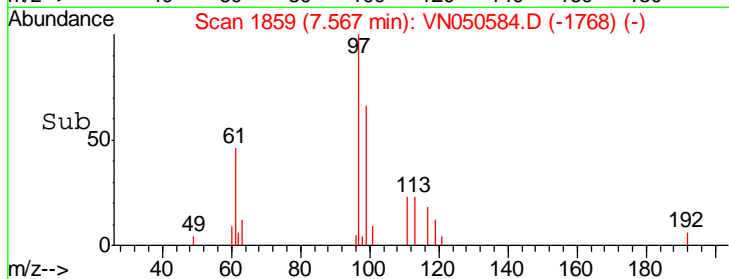
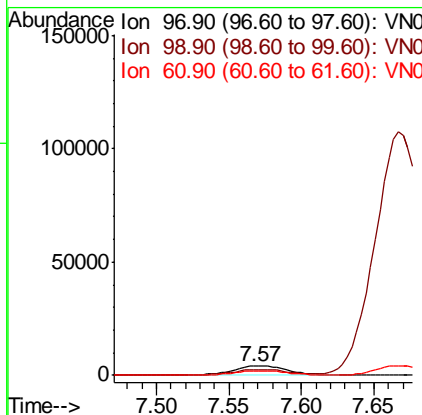
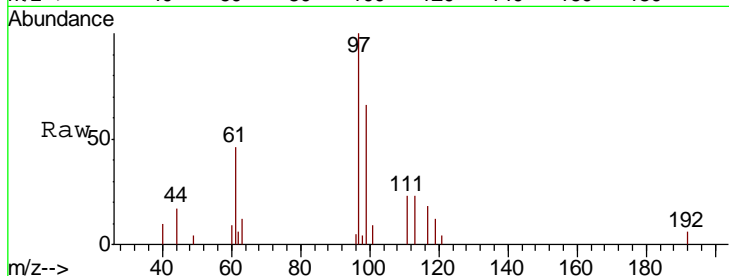
#32
 1,1,1-Trichloroethane
 Concen: 1.16 ug/l
 RT: 7.57 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
97	11035		
99	0.0	51.1	76.7#
61	47.6	34.8	52.2

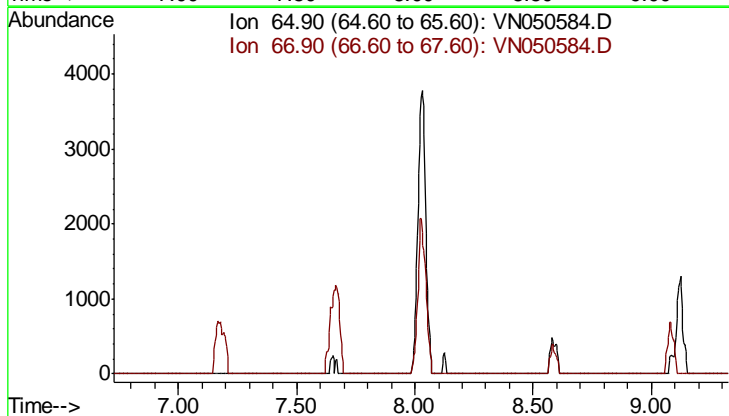
Manual Integrations
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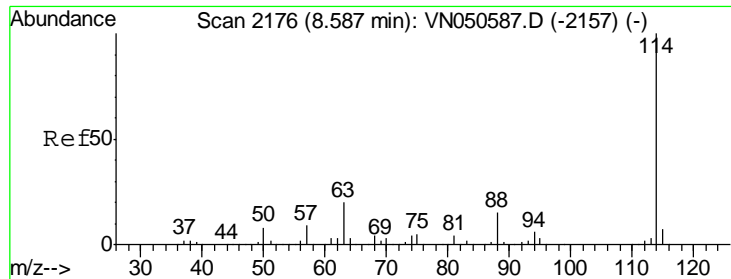
MMDadoda
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#33
 1,2-Dichloroethane-d4
 Concen: 0.00 ug/l
 Expected RT: 8.03 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Sig	Exp Ratio
65	65	100
67	67	54.9





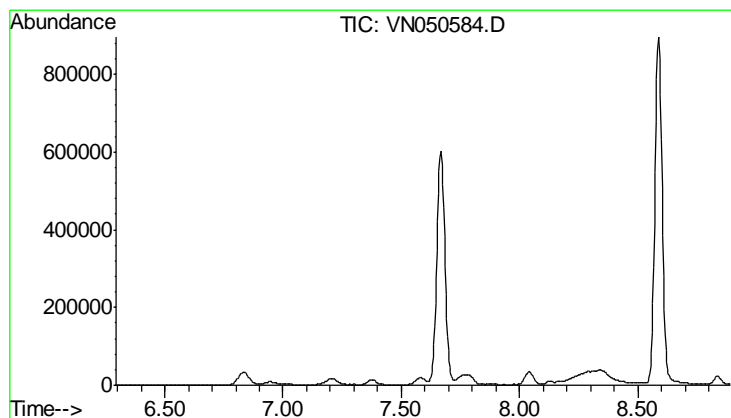
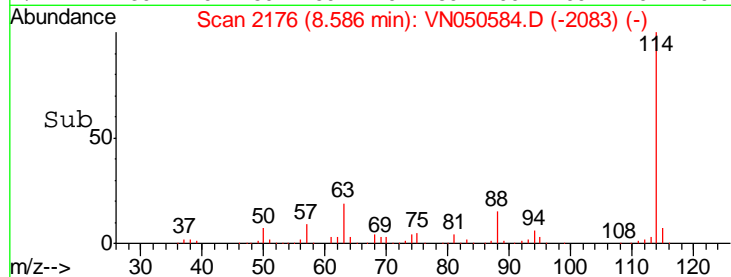
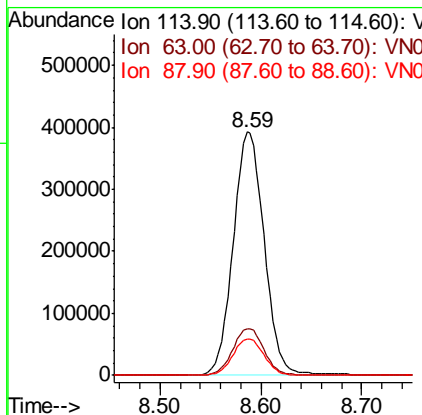
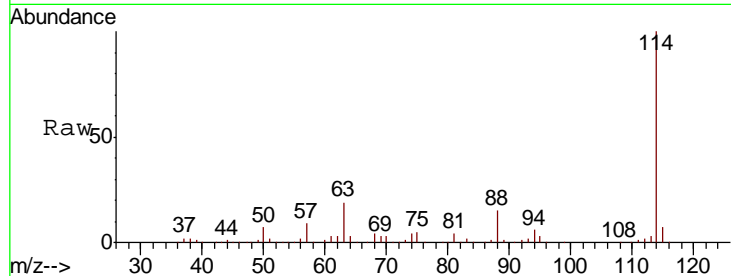
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.2	0.0	40.0
88	15.0	0.0	30.8

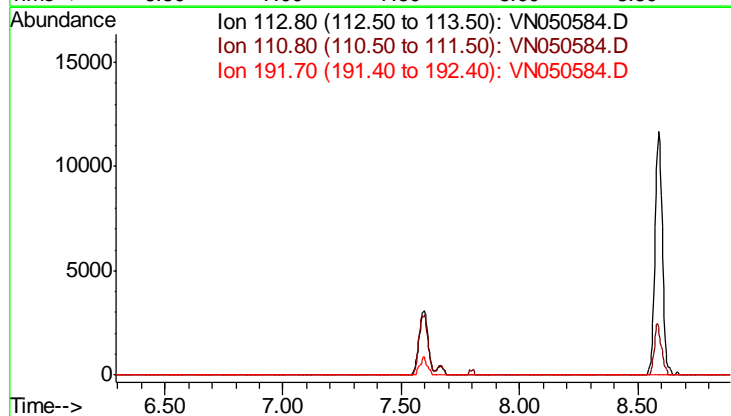
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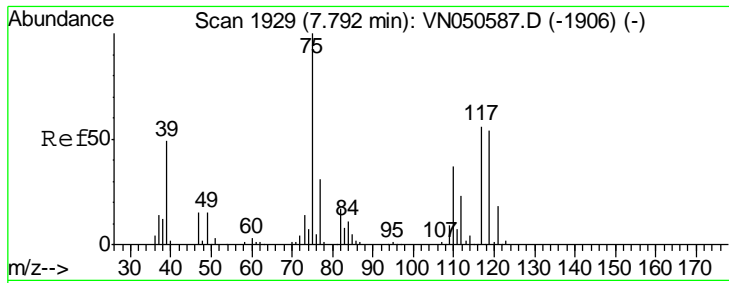
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#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 7.59 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Exp Ratio
113	100
111	101.3
192	22.0





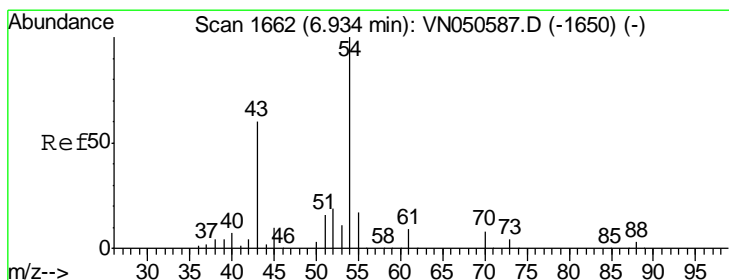
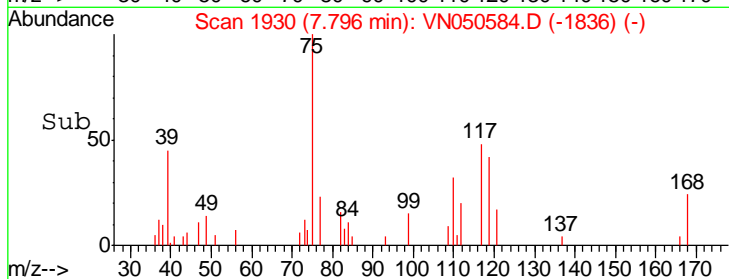
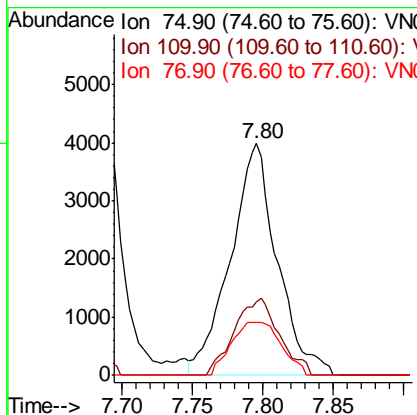
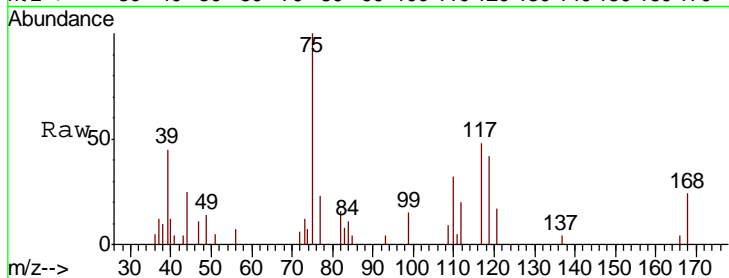
#36
 1,1-Dichloropropene
 Concen: 1.01 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	100		
110	32.0	18.3	54.9
77	24.3	25.0	37.4#

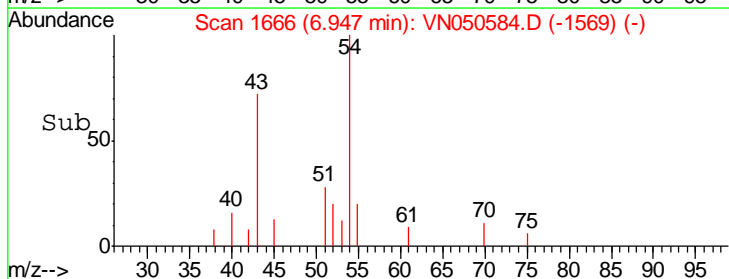
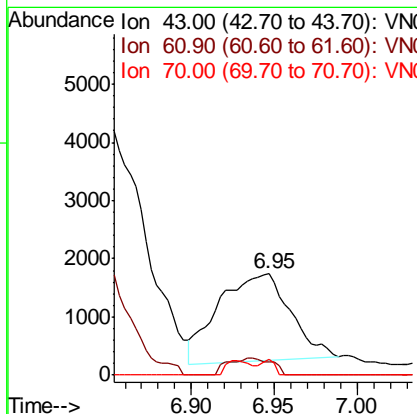
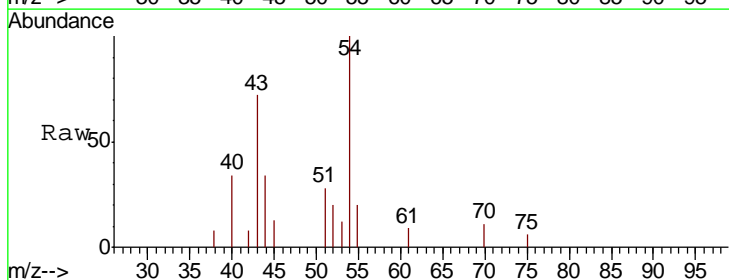
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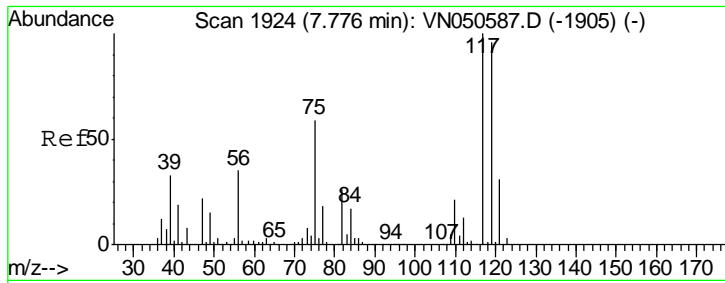
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#37
 Ethyl Acetate
 Concen: 0.72 ug/l
 RT: 6.95 min Scan# 1666
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
43	100		
61	0.0	12.0	18.0#
70	3.7	8.5	12.7#





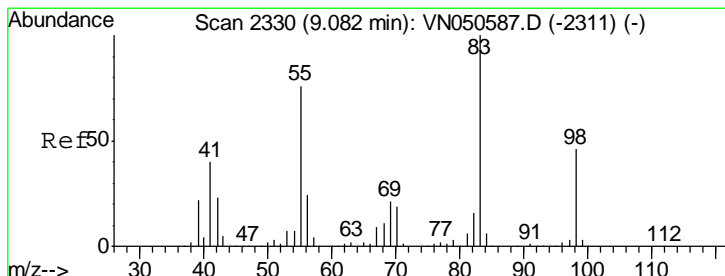
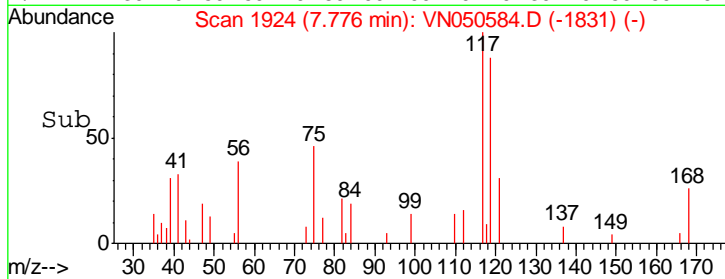
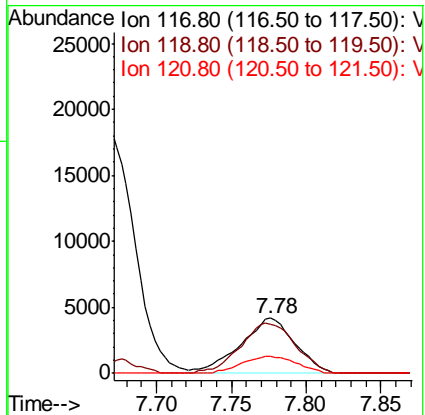
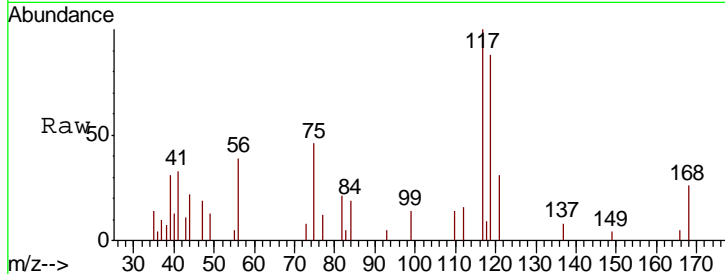
#38
 Carbon Tetrachloride
 Concen: 1.11 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
117	10647		
119	88.4	76.6	115.0
121	30.7	25.0	37.6

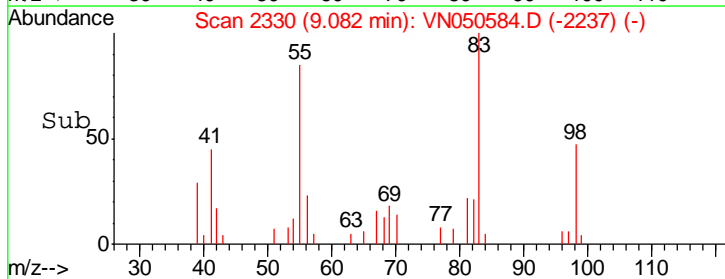
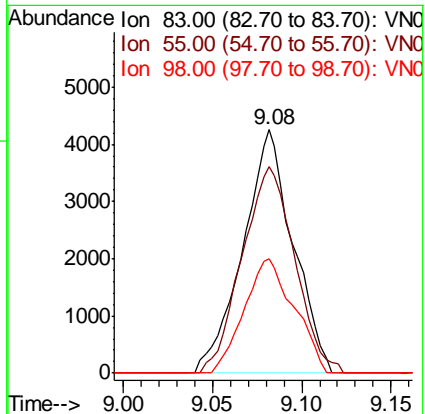
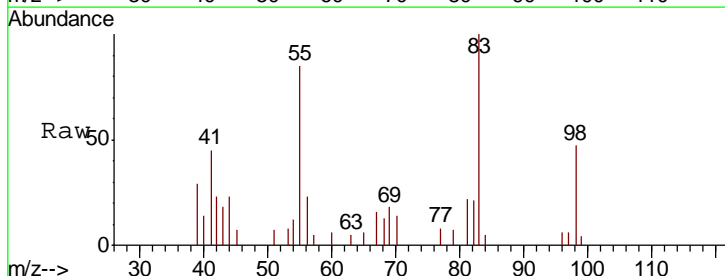
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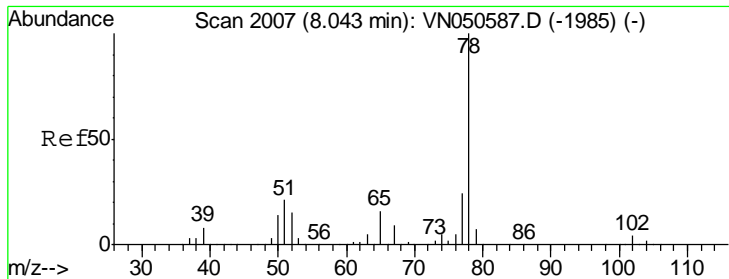
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#39
 Methylcyclohexane
 Concen: 0.83 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
83	8361		
55	84.7	60.6	91.0
98	47.2	37.0	55.4





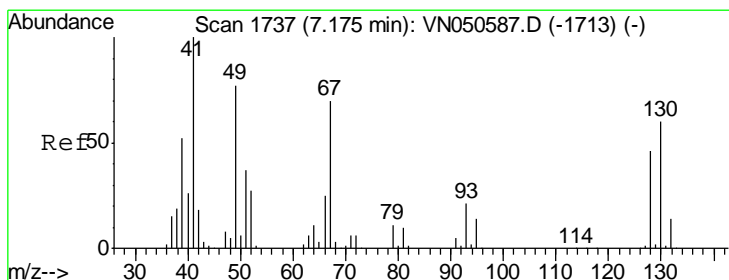
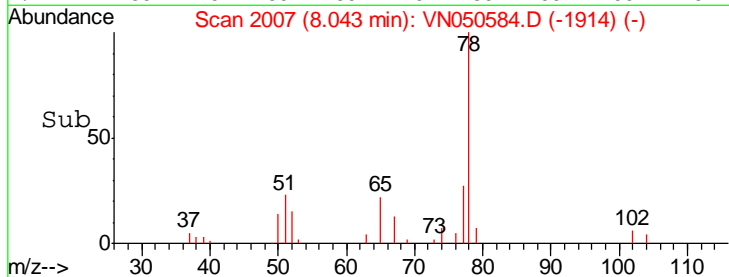
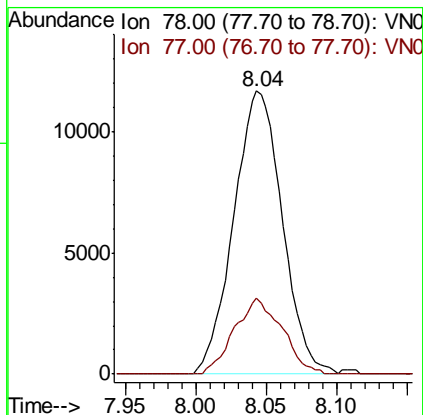
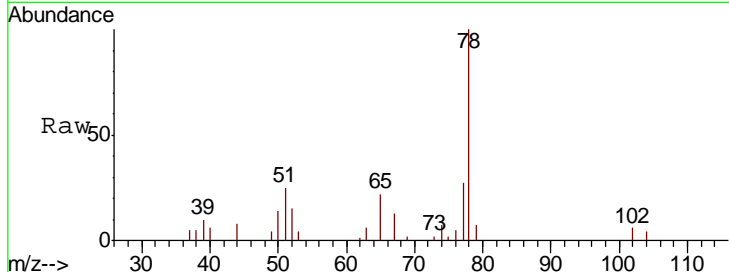
#40
 Benzene
 Concen: 1.00 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
78	28133		
77	26.7	19.0	28.6

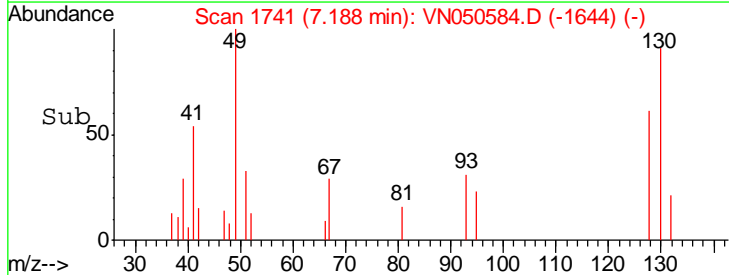
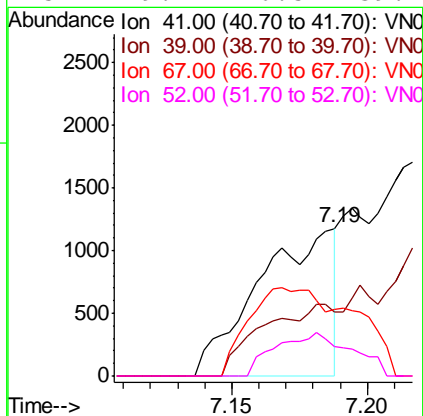
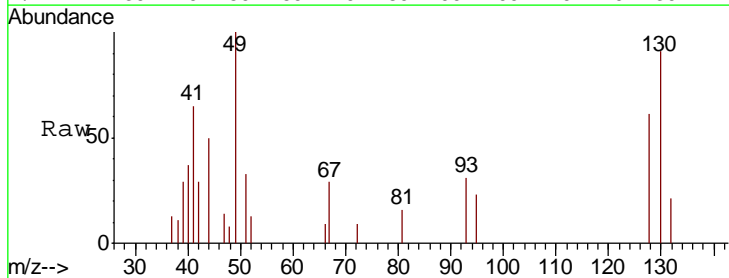
Manual Integrations
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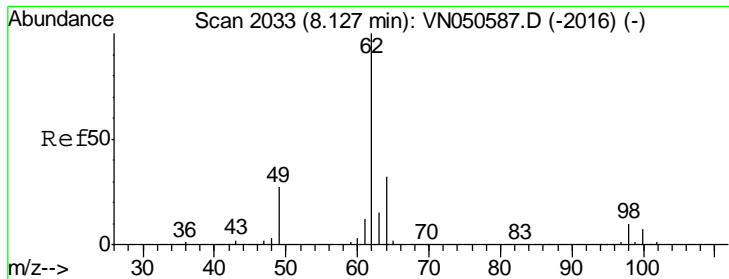
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#41
 Methacrylonitrile
 Concen: 0.67 ug/l m
 RT: 7.19 min Scan# 1741
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
41	2315		
39	49.7	44.6	66.8
67	59.9	66.7	100.1#
52	29.1	26.5	39.7





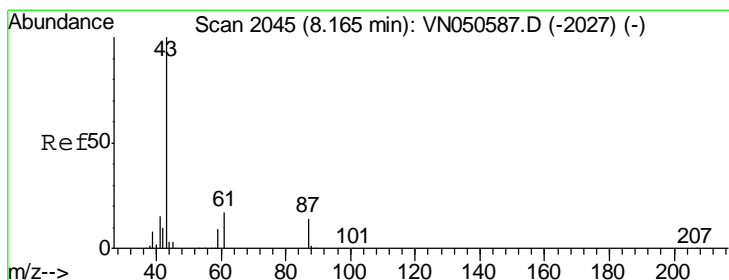
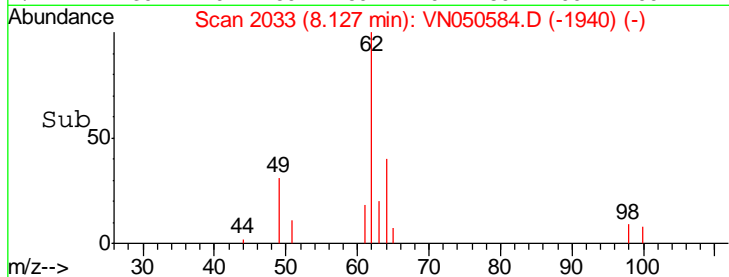
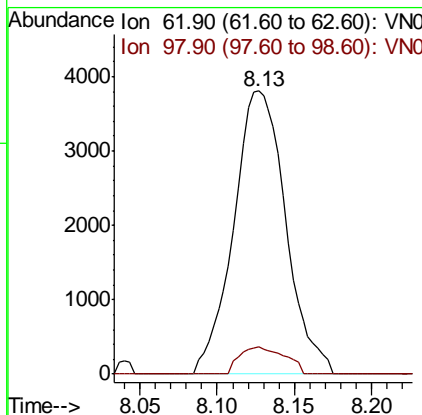
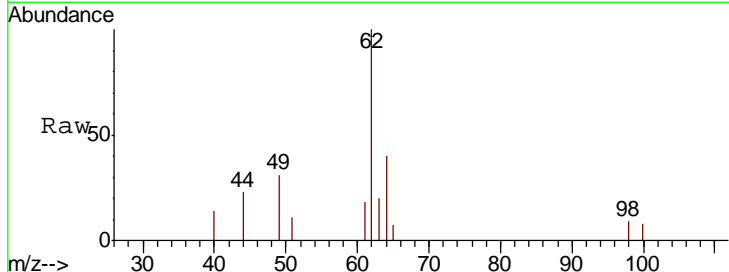
#42
 1,2-Dichloroethane
 Concen: 1.00 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	19.4

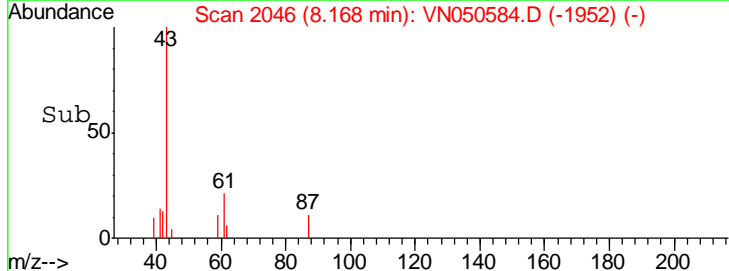
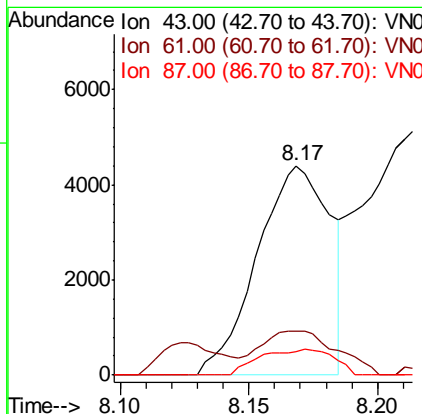
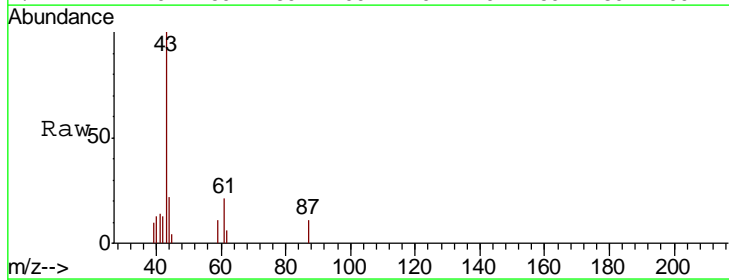
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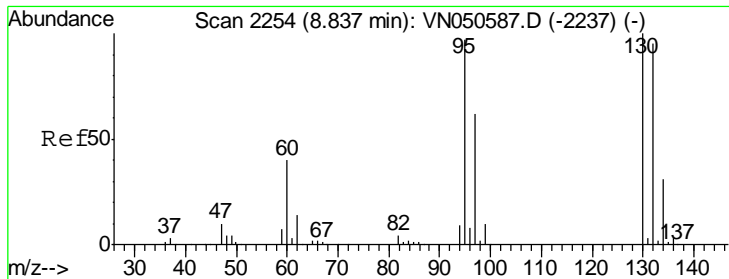
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#43
 Isopropyl Acetate
 Concen: 0.78 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.2	24.2
87	12.5	10.9	16.3





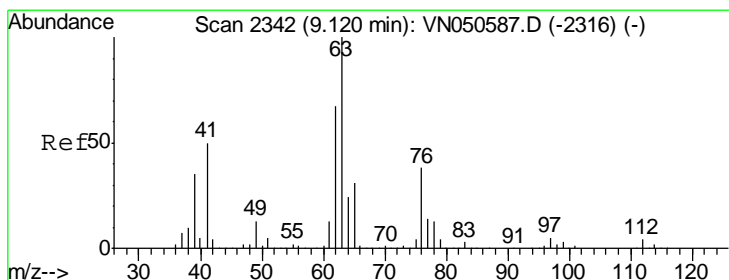
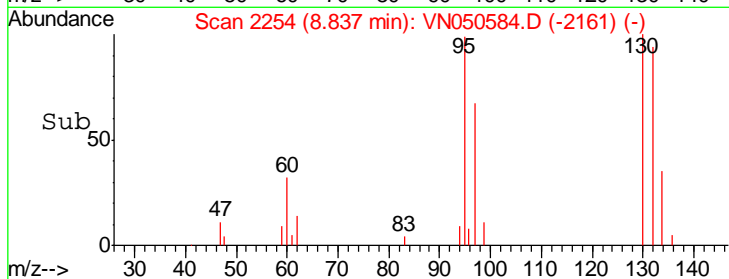
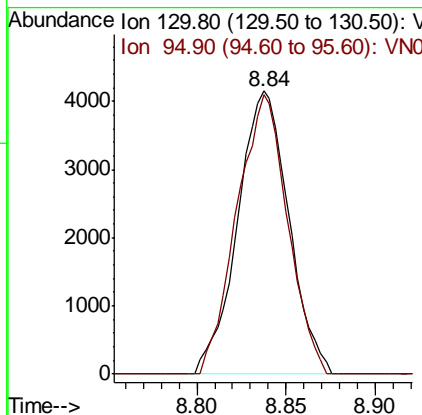
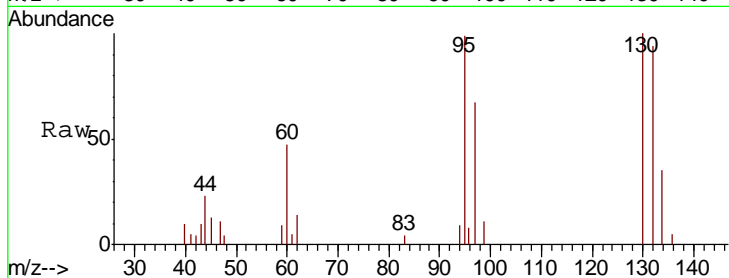
#44
 Trichloroethene
 Concen: 1.09 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
130	100		
95	98.7	0.0	193.8

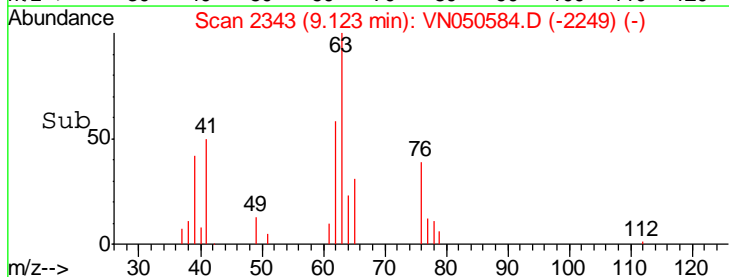
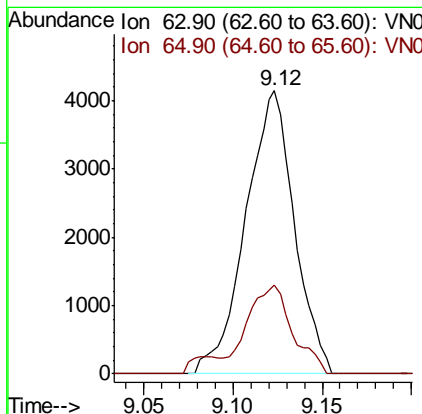
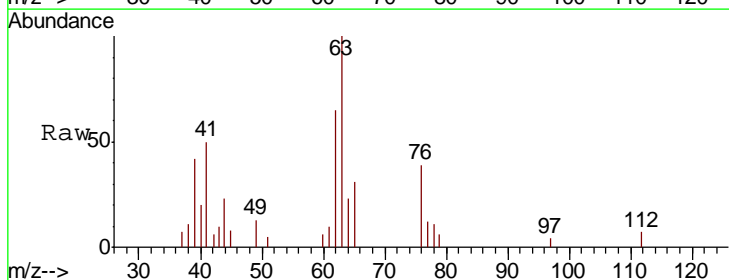
Manual Integrations
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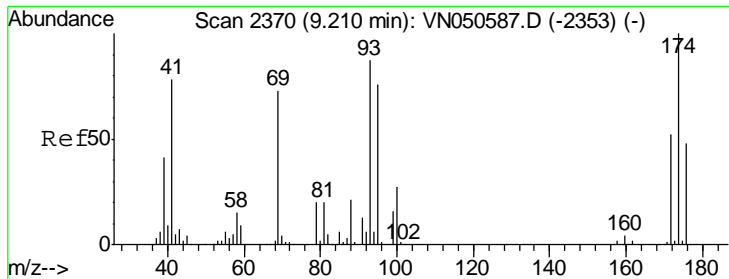
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 8/15/2018 3:20:52 PM



#45
 1,2-Dichloropropane
 Concen: 1.06 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.4	24.5	36.7





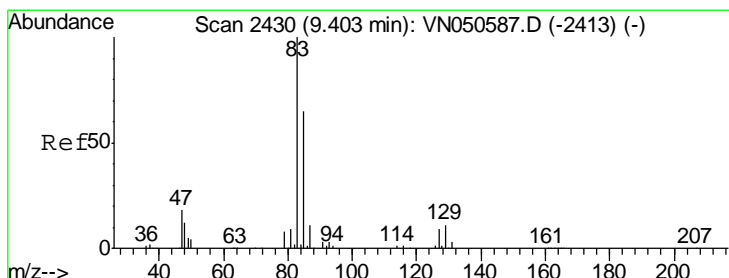
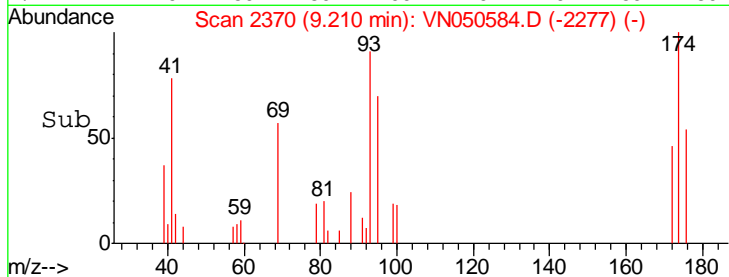
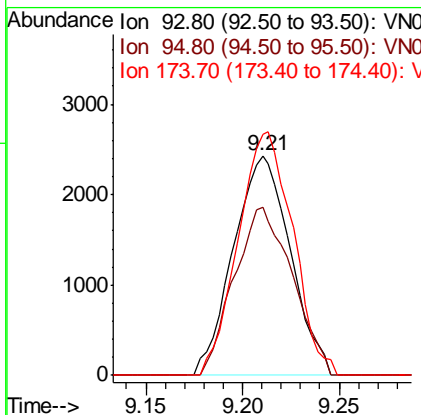
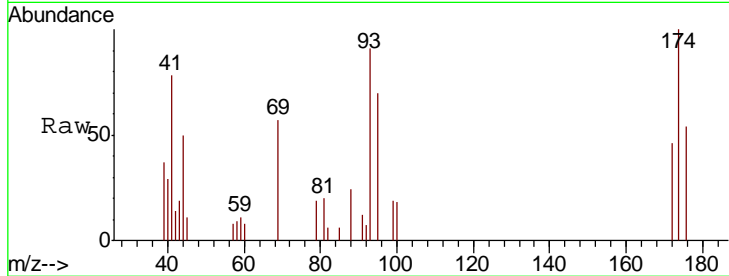
#46
 Dibromomethane
 Concen: 1.10 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
93	4982		
93	100		
95	78.4	69.1	103.7
174	106.4	91.0	136.6

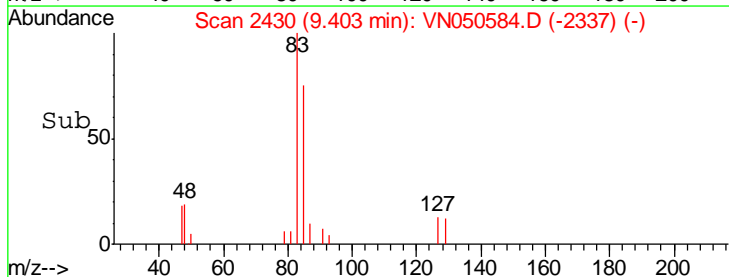
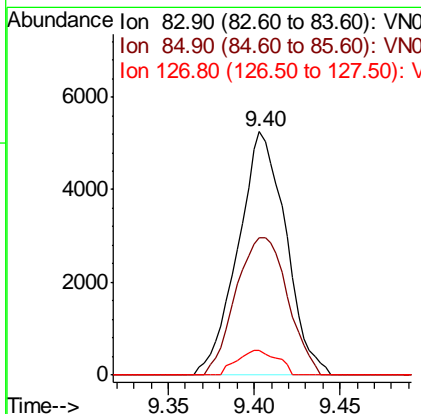
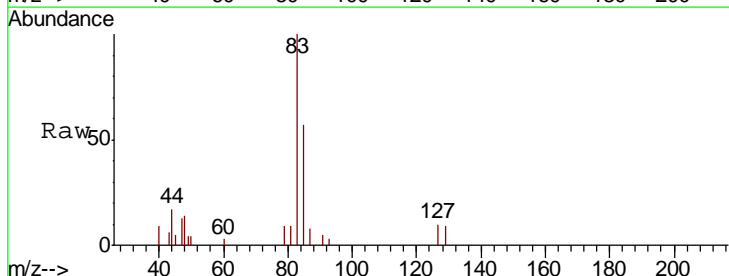
Manual Integrations
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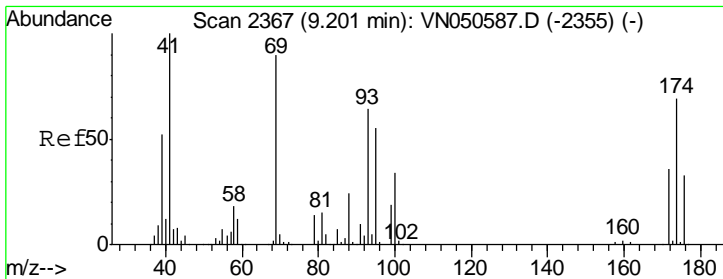
MMDadoda
 8/15/2018 3:20:52 PM



#47
 Bromodichloromethane
 Concen: 1.07 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
83	10131		
83	100		
85	56.6	51.8	77.6
127	9.9	7.2	10.8





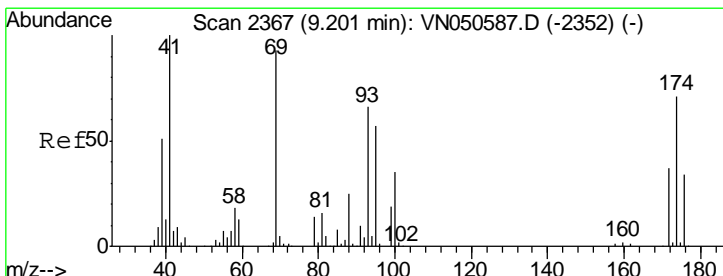
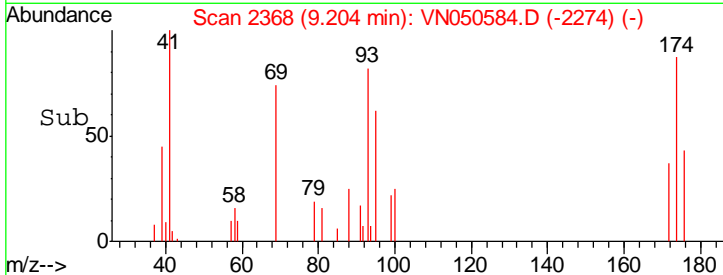
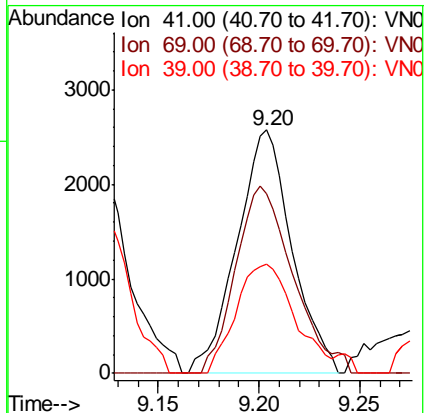
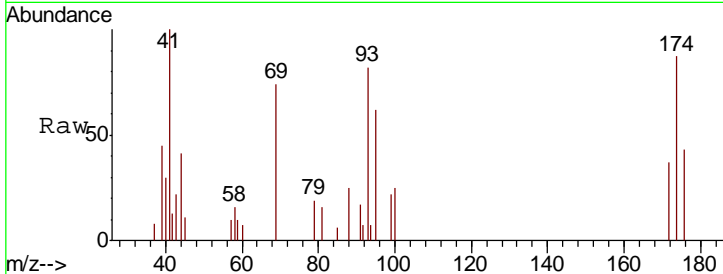
#48
 Methyl methacrylate
 Concen: 0.88 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
41	100		
69	80.3	73.4	110.0
39	48.1	43.0	64.6

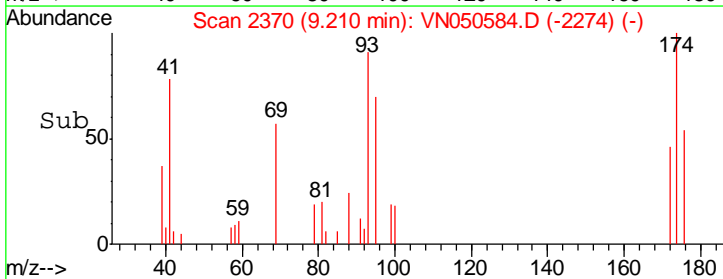
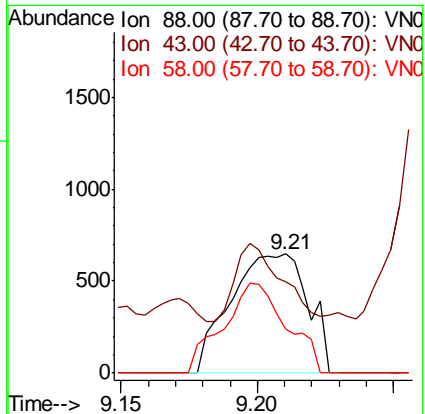
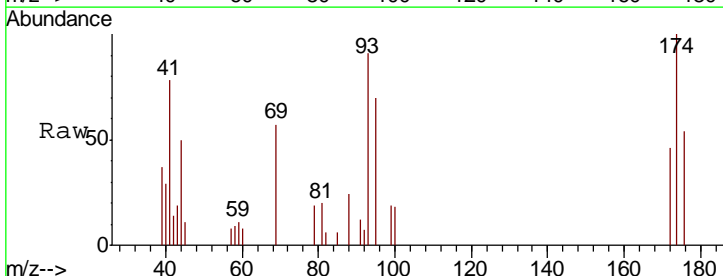
Manual Integrations
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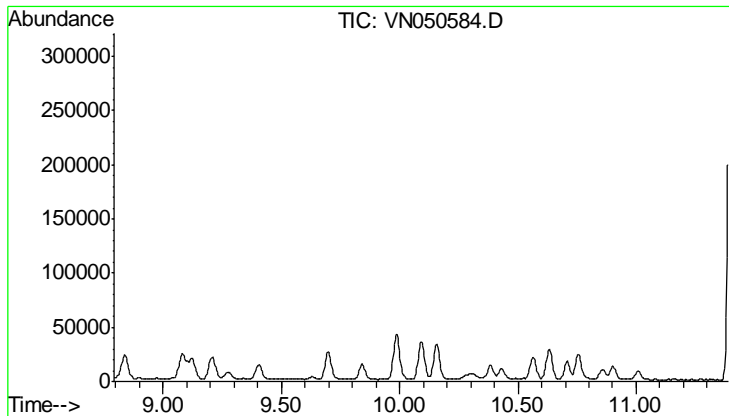
MMDadoda
 8/15/2018 3:20:52 PM



#49
 1,4-Dioxane
 Concen: 15.15 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
88	100		
43	39.1	25.9	38.9#
58	61.8	56.5	84.7



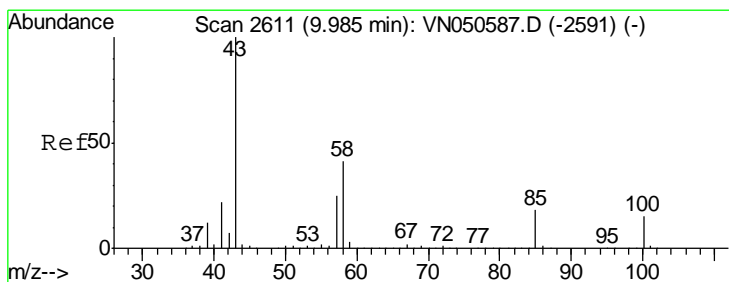
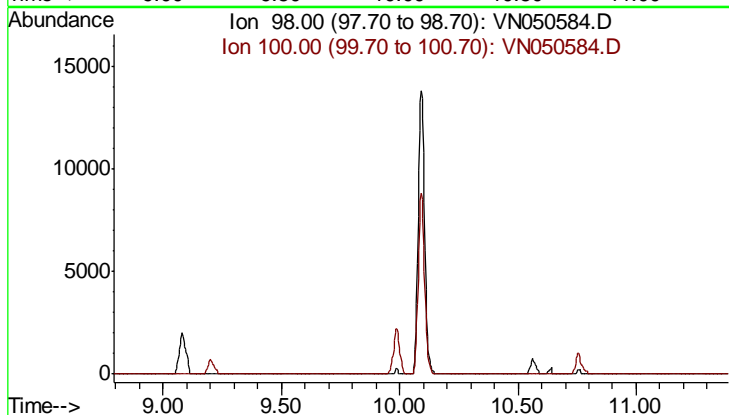


#50
 Toluene-d8
 Concen: 0.00 ug/l
 Expected RT: 10.09 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

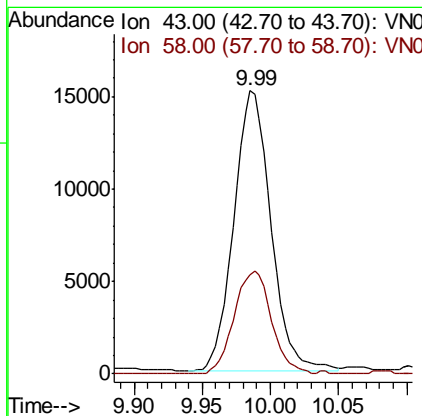
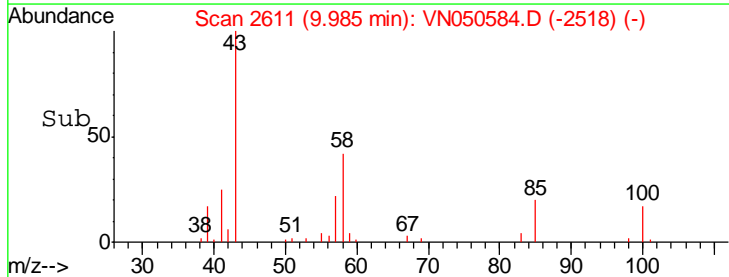
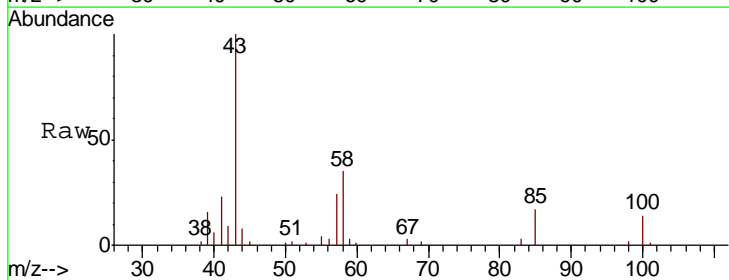
Tgt Ion	Exp Ratio
98	100
100	64.8

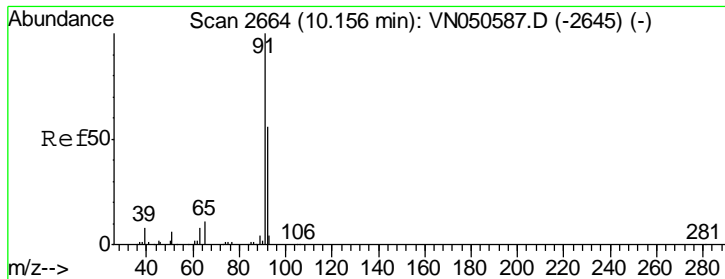
Manual Integrations
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#51
 4-Methyl-2-Pentanone
 Concen: 3.62 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
43	28648		
58	36.9	32.5	48.7





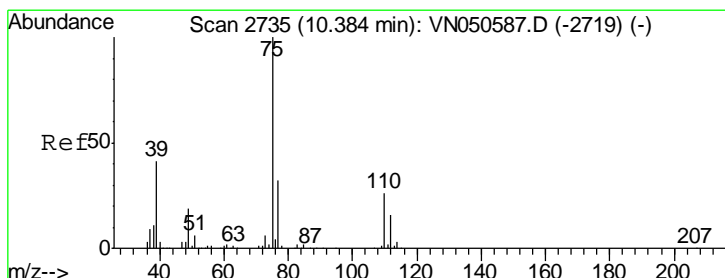
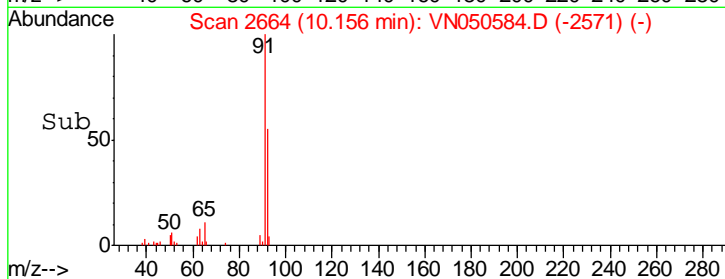
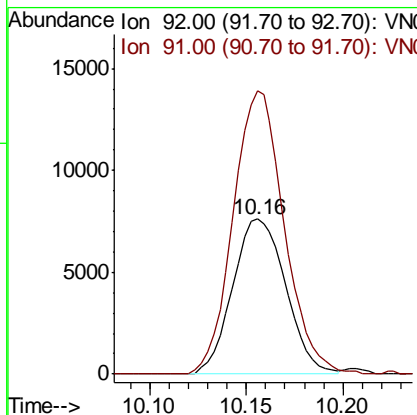
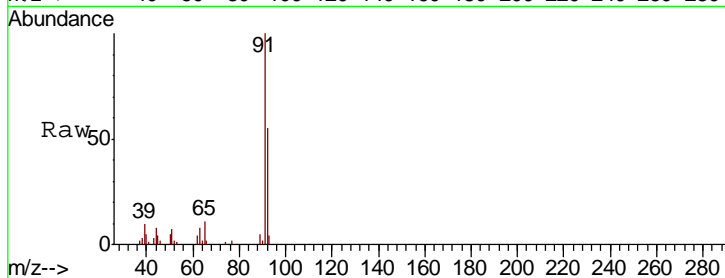
#52
 Toluene
 Concen: 0.86 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
92	14533		
92	100		
91	175.7	141.9	212.9

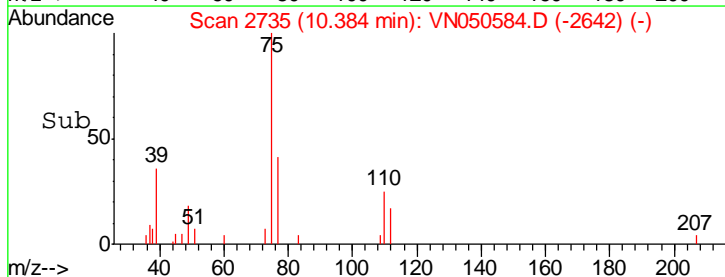
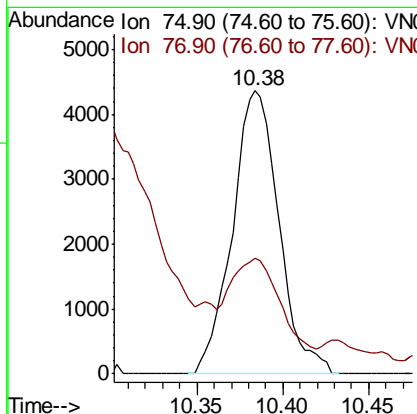
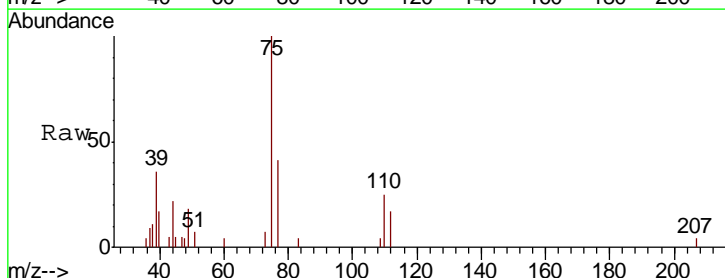
Manual Integrations
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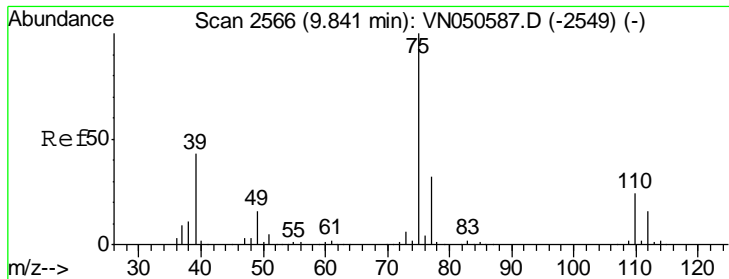
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#53
 t-1,3-Dichloropropene
 Concen: 0.87 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
75	8185		
75	100		
77	28.7	25.8	38.6





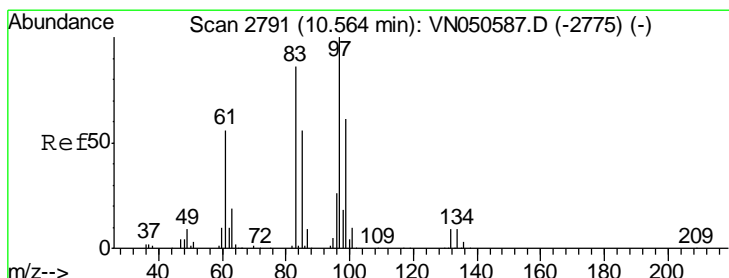
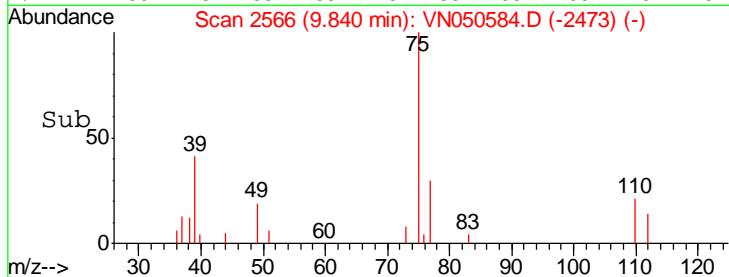
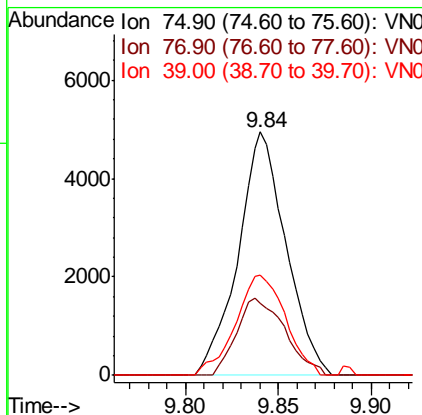
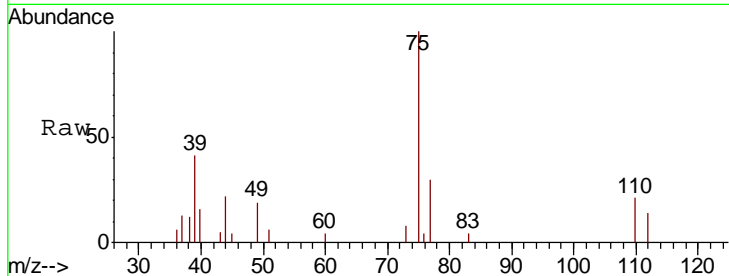
#54
 cis-1,3-Dichloropropene
 Concen: 0.84 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	100		
77	29.9	25.6	38.4
39	41.0	34.4	51.6

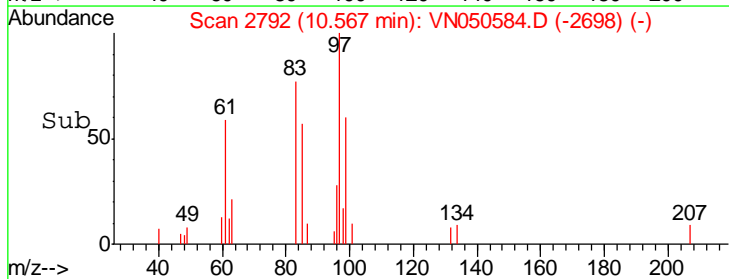
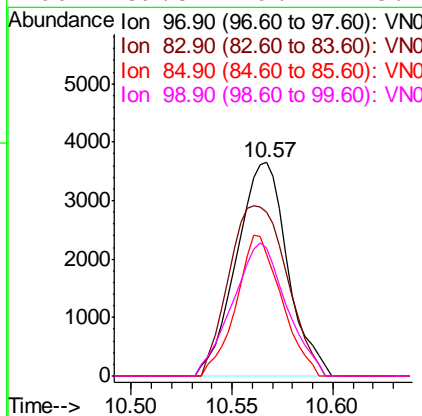
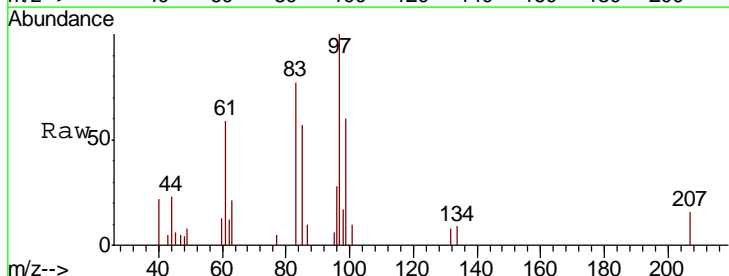
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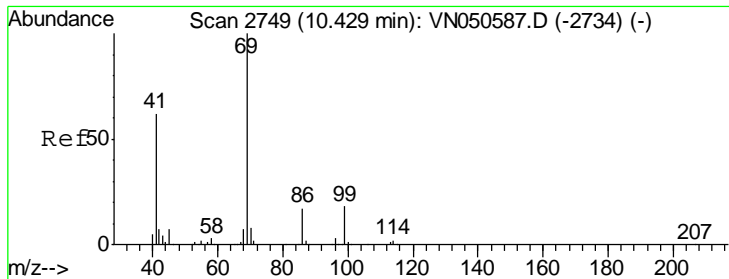
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 8/15/2018 3:20:52 PM



#55
 1,1,2-Trichloroethane
 Concen: 0.99 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
97	100		
83	76.8	68.5	102.7
85	57.2	44.6	66.8
99	59.8	49.1	73.7





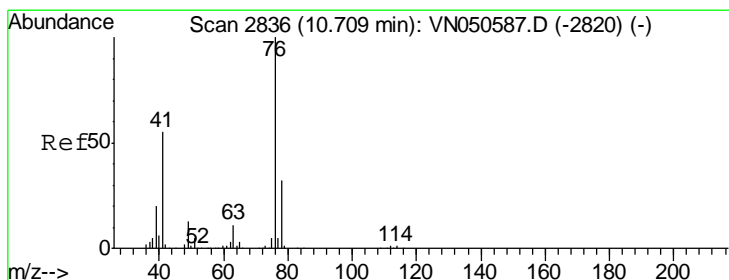
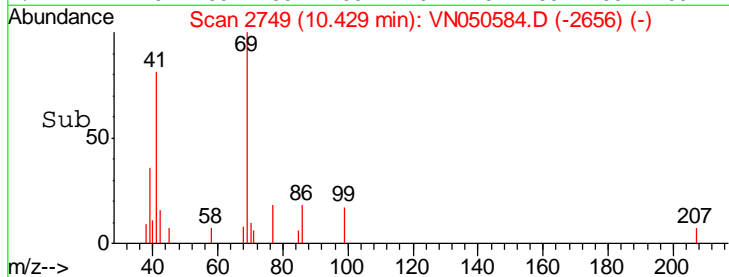
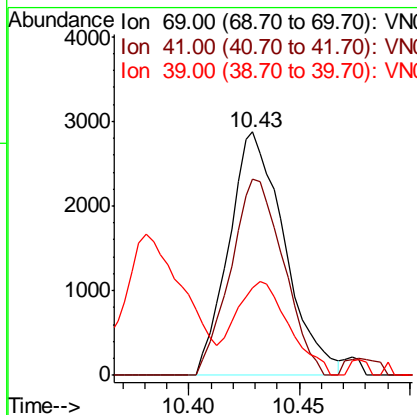
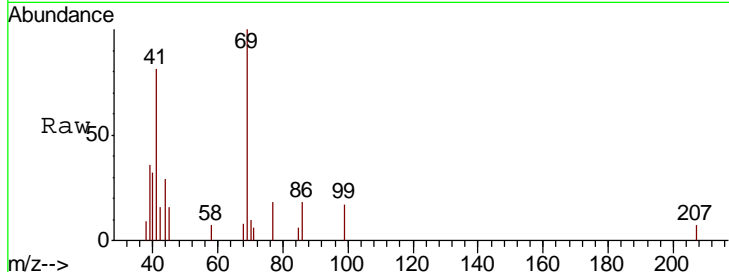
#56
 Ethyl methacrylate
 Concen: 0.62 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
69	100		
41	77.0	49.7	74.5#
39	37.5	24.2	36.2#

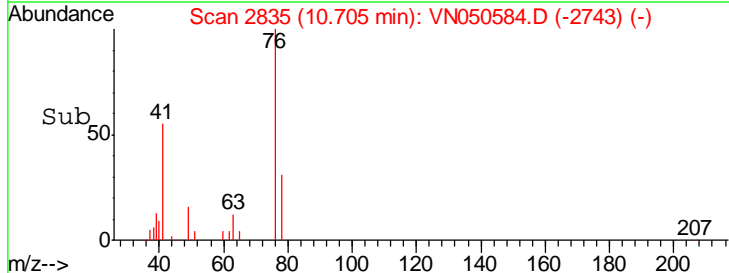
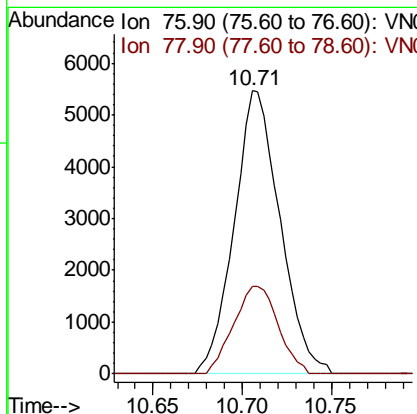
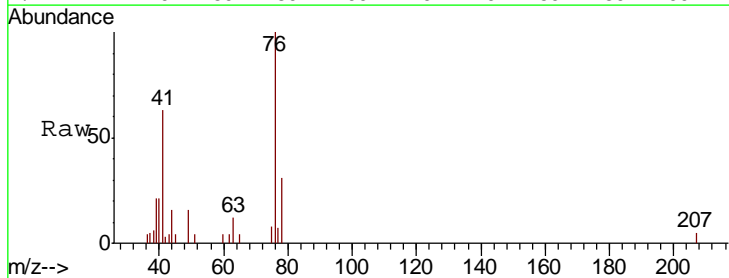
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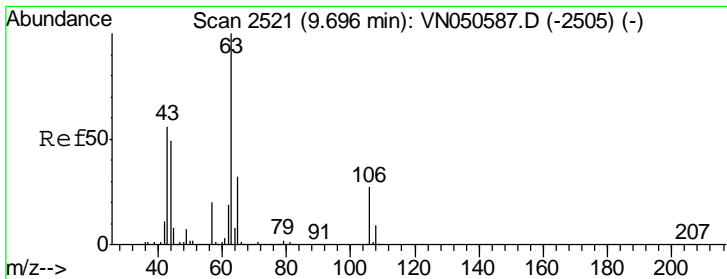
MMDadoda
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#57
 1,3-Dichloropropane
 Concen: 0.91 ug/l
 RT: 10.71 min Scan# 2835
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
76	100		
78	30.1	25.8	38.6





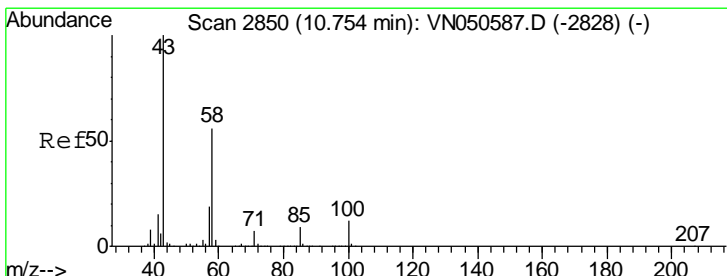
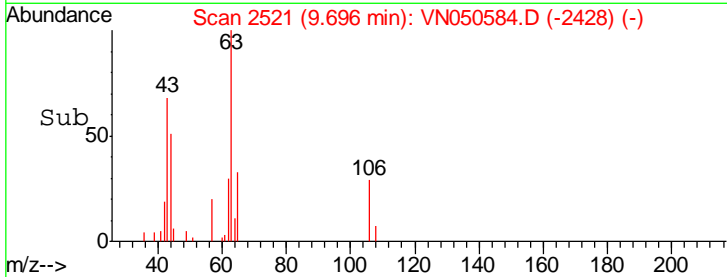
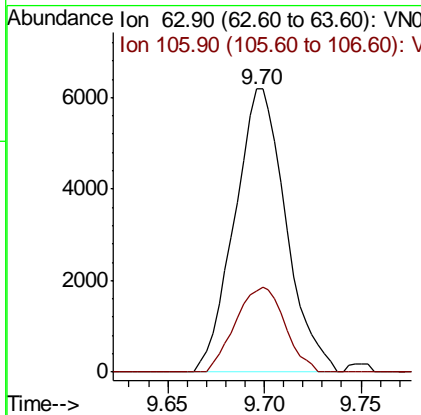
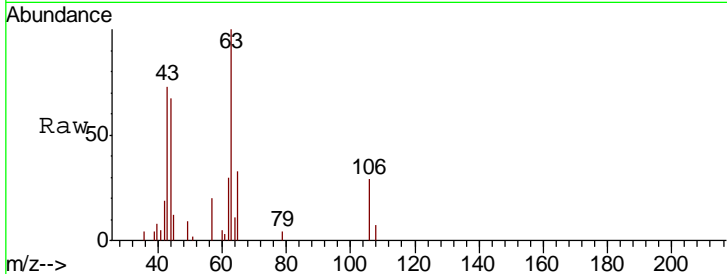
#58
 2-Chloroethyl Vinyl ether
 Concen: 2.99 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
63	11413		
63	100		
106	28.7	21.7	32.5

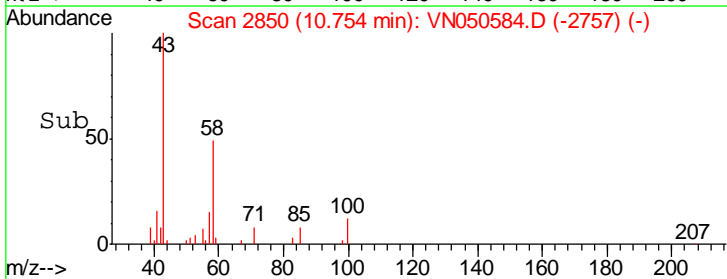
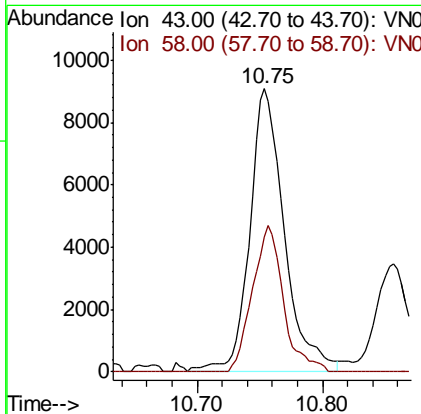
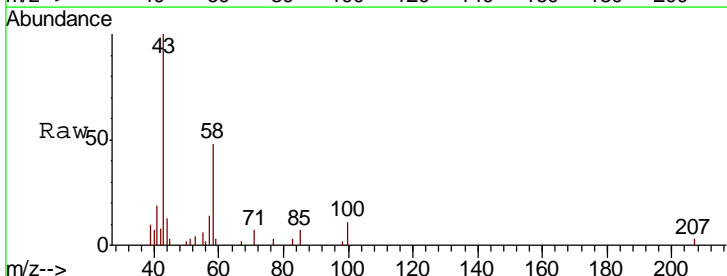
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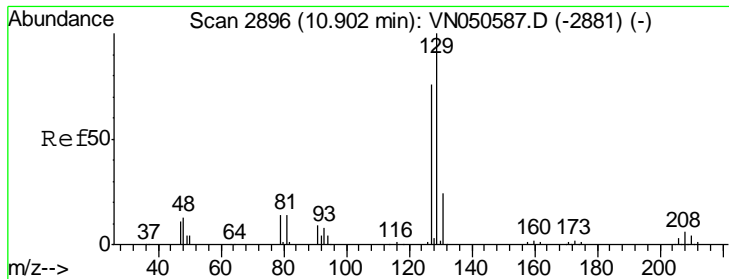
MMDadoda
 8/15/2018 3:20:52 PM



#59
 2-Hexanone
 Concen: 3.18 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
43	17482		
43	100		
58	45.9	28.0	84.0





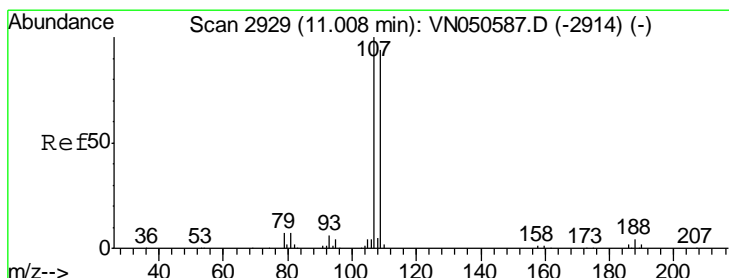
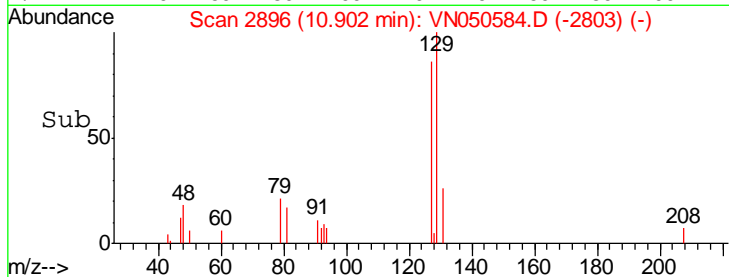
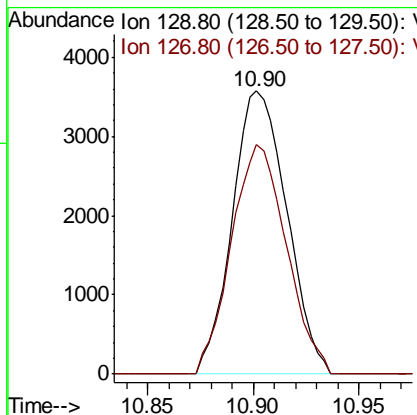
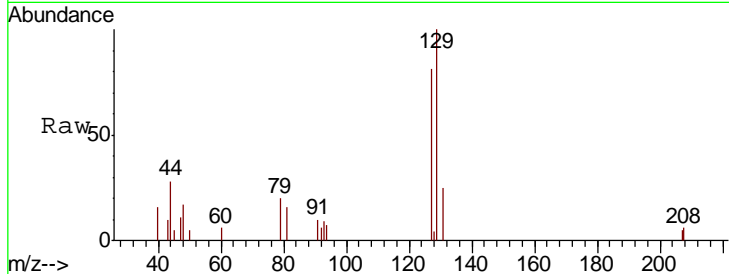
#60
 Dibromochloromethane
 Concen: 0.89 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
129	100		
127	81.9	38.9	116.7

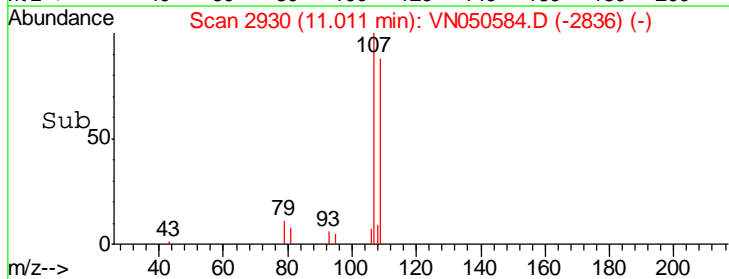
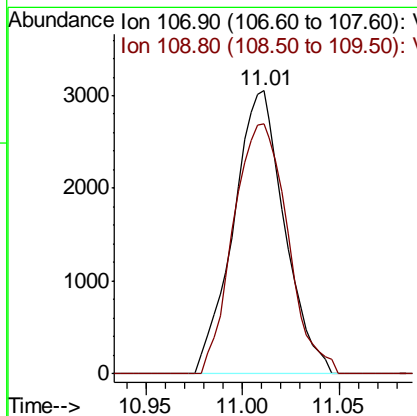
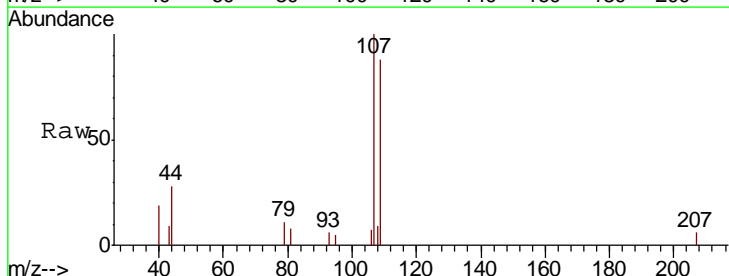
Manual Integrations
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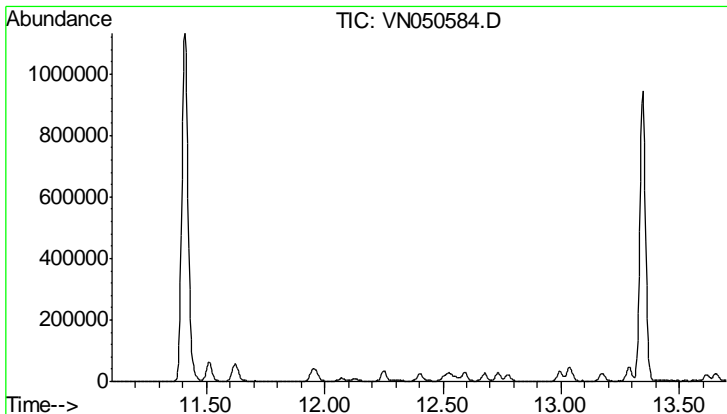
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#61
 1,2-Dibromoethane
 Concen: 0.87 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
107	100		
109	93.5	75.7	113.5



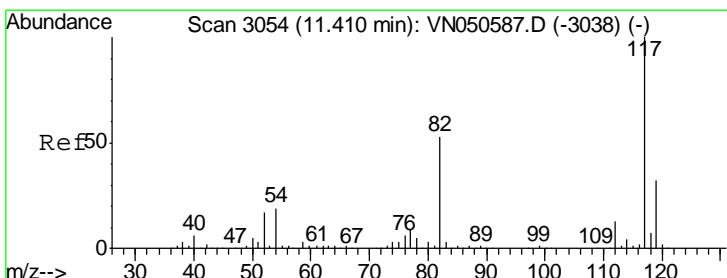
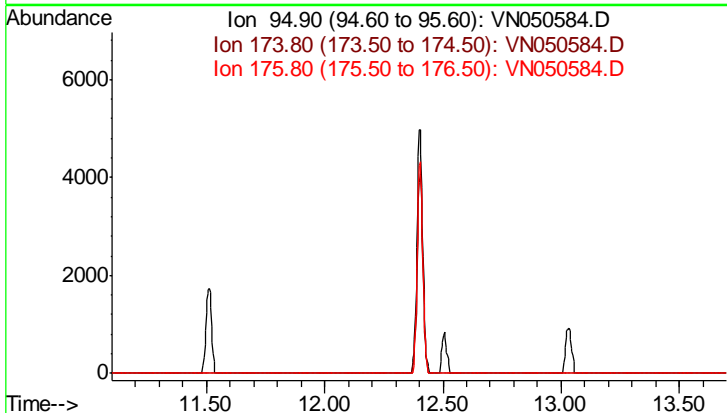


#62
 4-Bromofluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 12.40 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

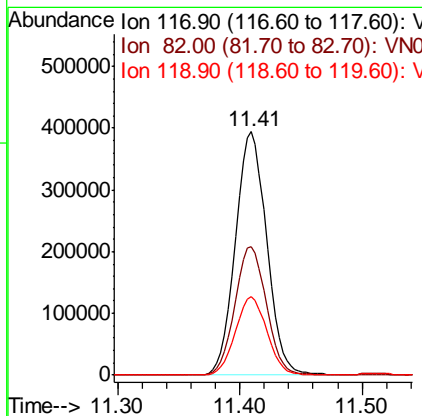
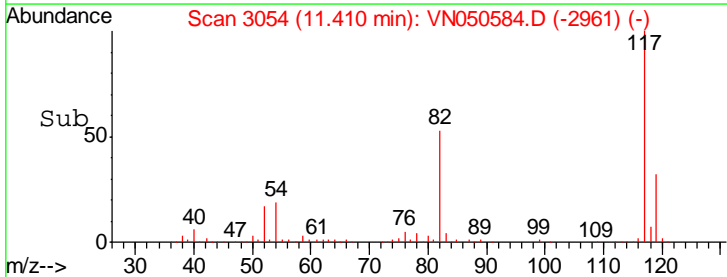
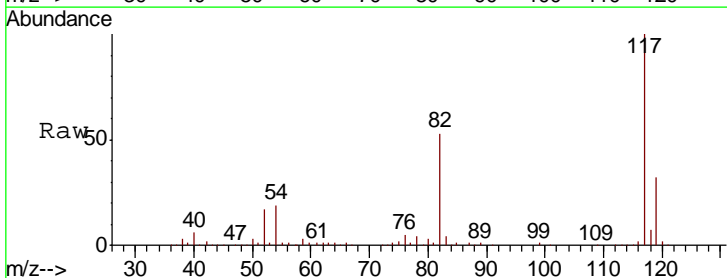
Tgt Ion	Exp Ratio
95	100
174	88.9
176	87.5

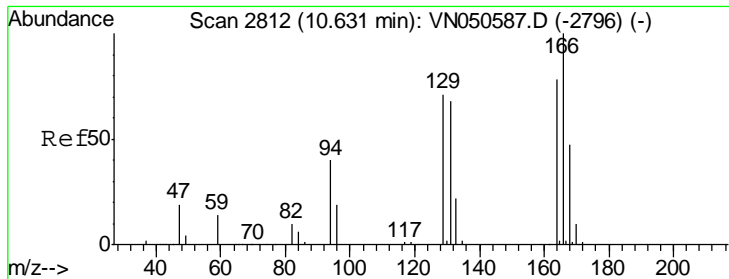
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:20:52 PM



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

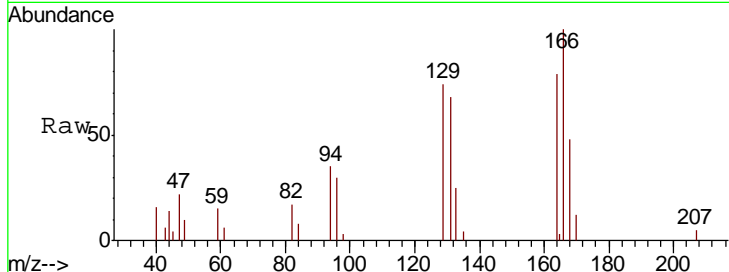
Tgt Ion	Resp	Lower	Upper
117	700821		
82	52.9	42.4	63.6
119	32.2	25.8	38.8





#64
 Tetrachloroethene
 Concen: 1.07 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

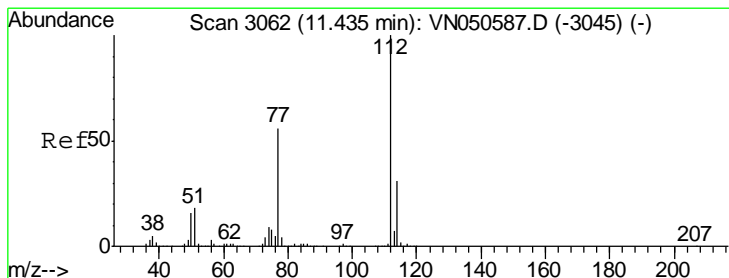
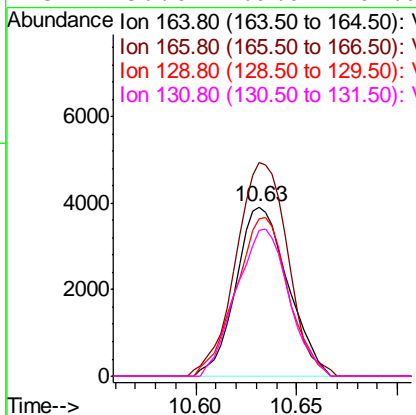
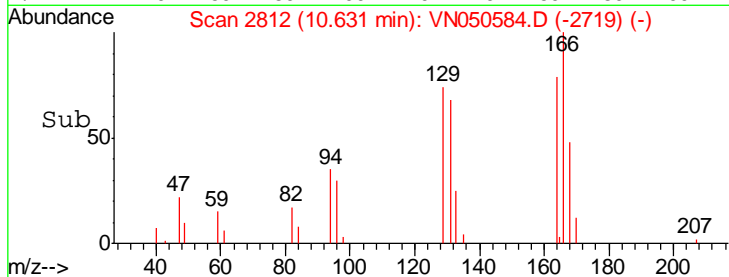
Instrument : MSVOA_N
 ClientSampled : VSTDIC001



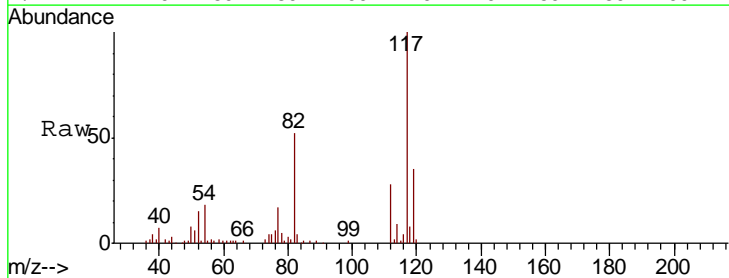
Tgt Ion: 164 Resp: 7028

Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.1	153.1
129	93.1	72.7	109.1
131	86.0	69.9	104.9

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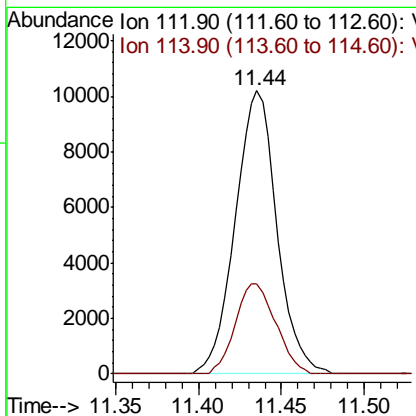
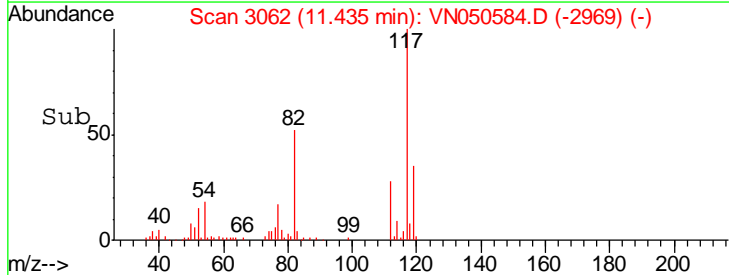


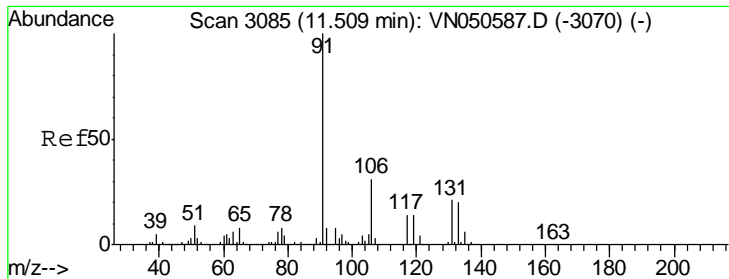
#65
 Chlorobenzene
 Concen: 1.01 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46



Tgt Ion: 112 Resp: 17775

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.2	37.8





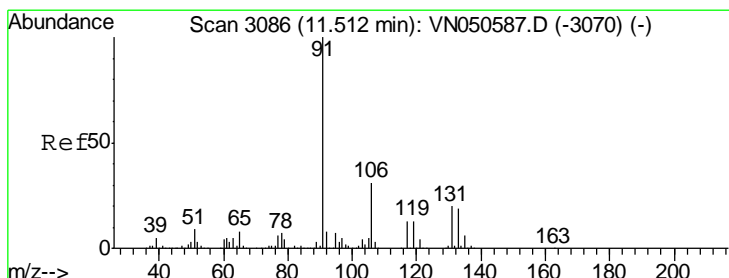
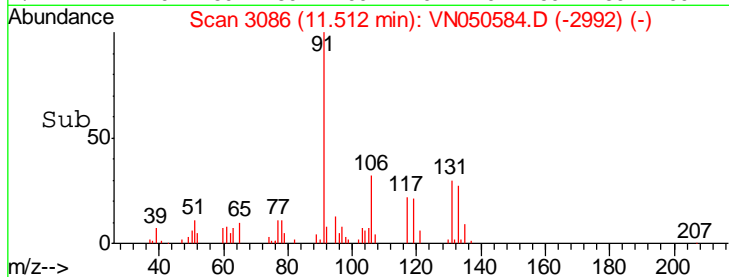
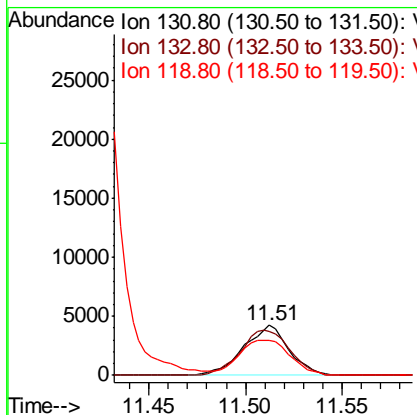
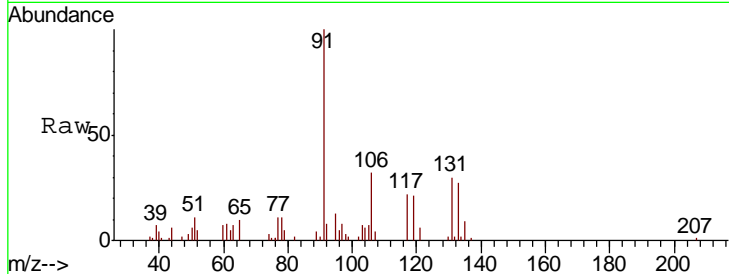
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.08 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
131	6904		
131	100		
133	97.8	47.6	142.9
119	0.0	33.1	99.3#

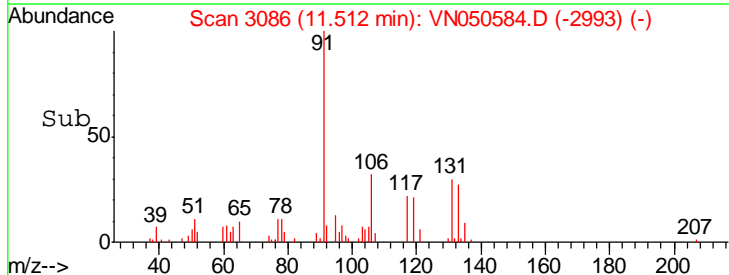
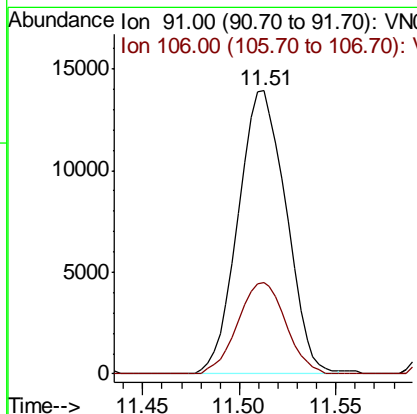
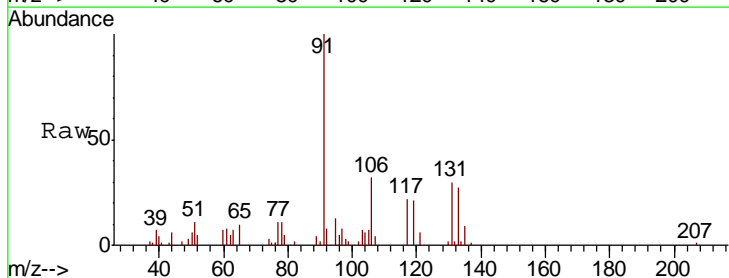
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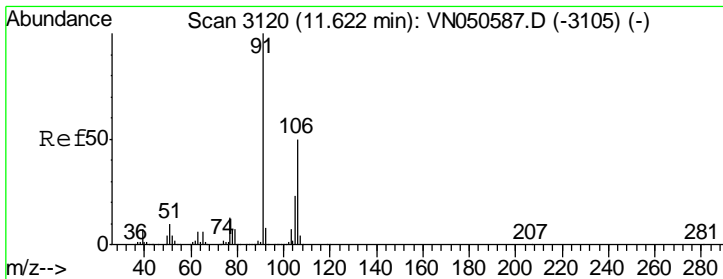
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#67
 Ethyl Benzene
 Concen: 0.85 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
91	24023		
91	100		
106	32.1	24.8	37.2





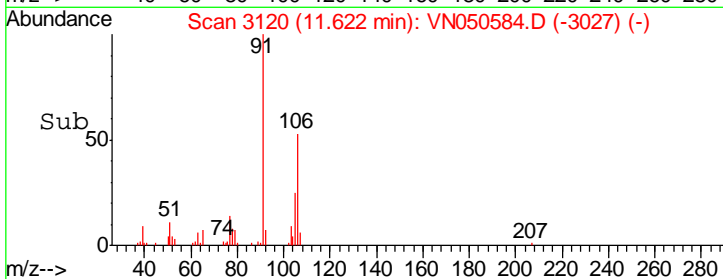
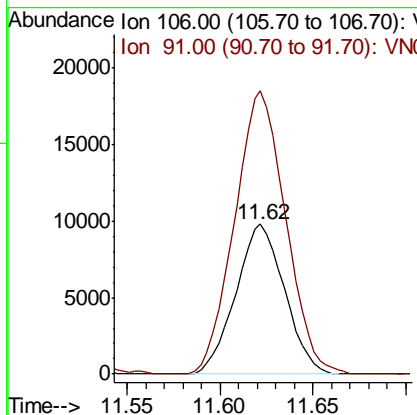
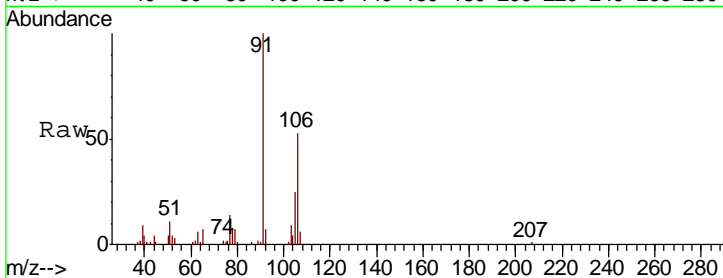
#68
 m/p-Xylenes
 Concen: 1.65 ug/l
 RT: 11.62 min Scan# 3120
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
106	17865		
106	100		
91	197.5	161.5	242.3

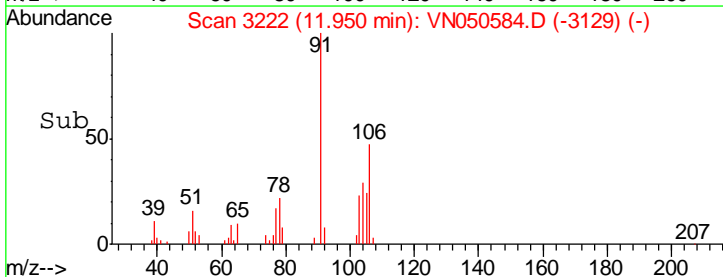
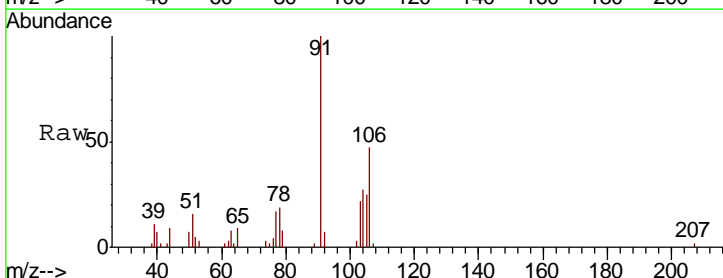
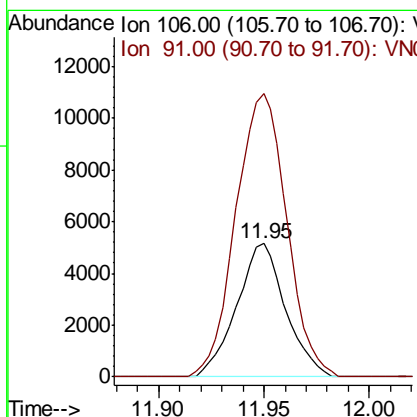
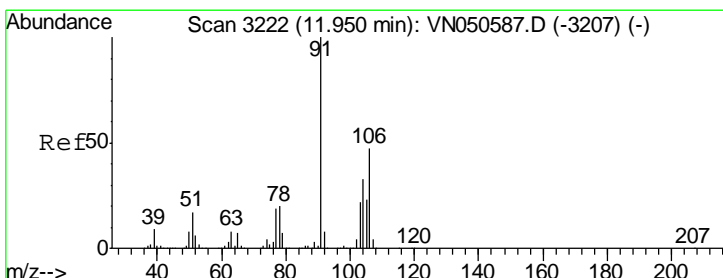
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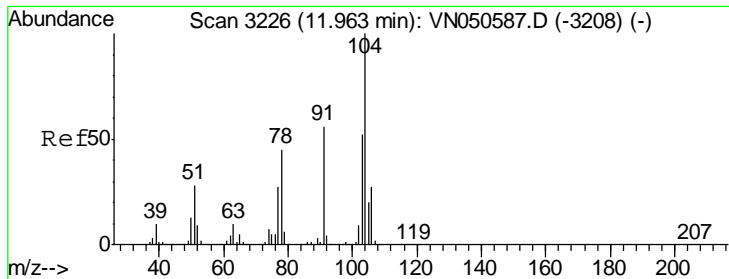
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#69
 o-Xylene
 Concen: 0.79 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
106	8274		
106	100		
91	222.0	106.8	320.4





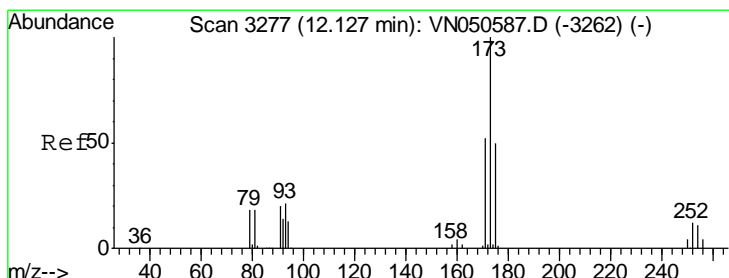
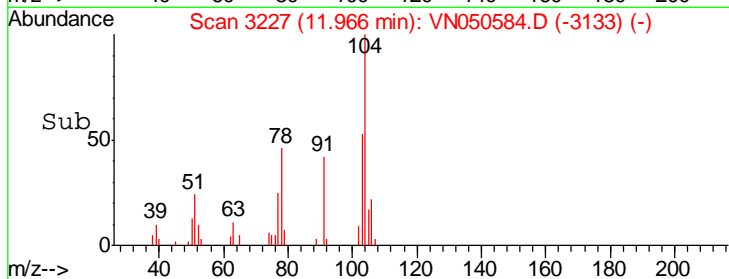
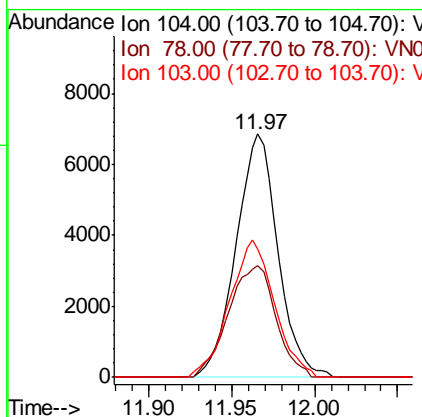
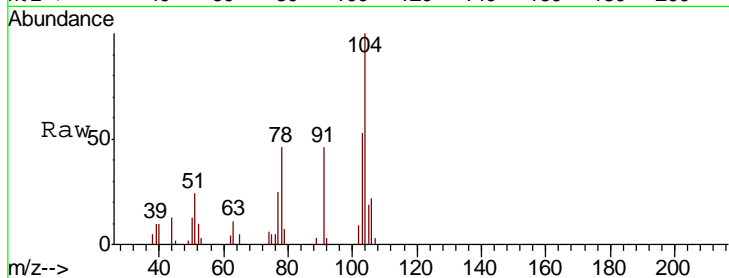
#70
 Styrene
 Concen: 0.71 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
104	12039		
78	51.8	39.1	58.7
103	60.5	44.9	67.3

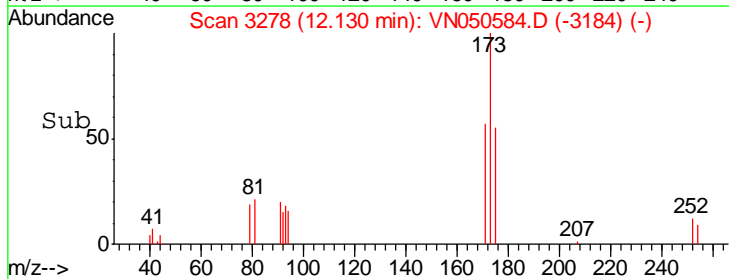
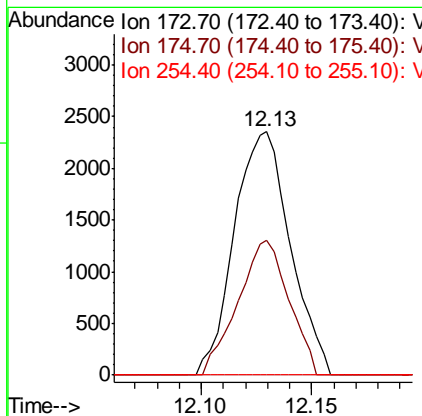
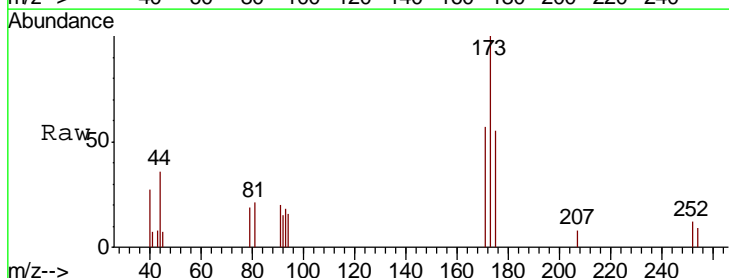
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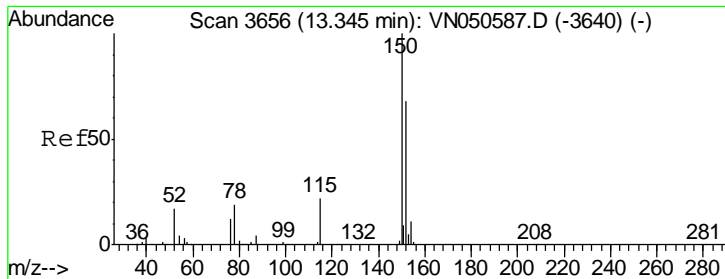
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#71
 Bromoform
 Concen: 0.90 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
173	4144		
175	50.3	24.4	73.2
254	0.0	0.0	0.0





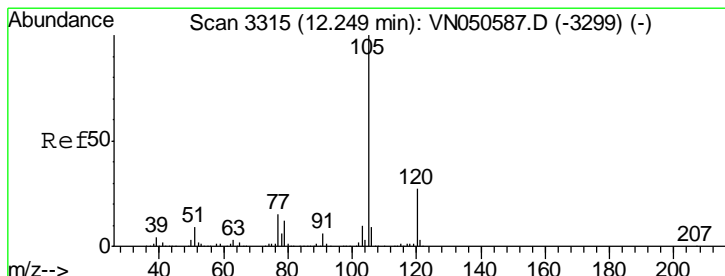
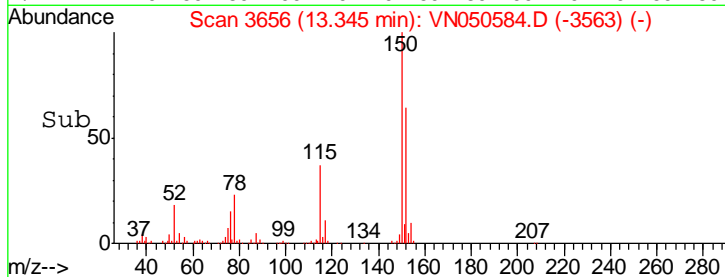
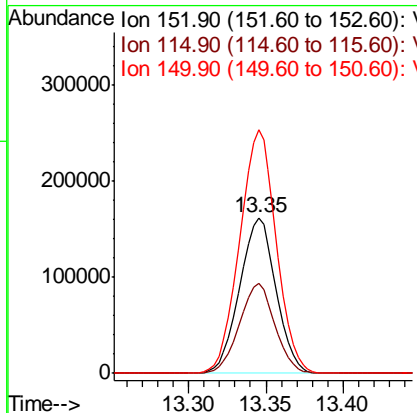
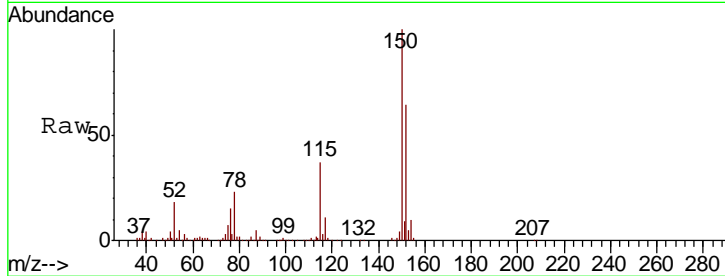
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
152	264108		
152	100		
115	56.4	28.1	84.2
150	157.6	0.0	347.8

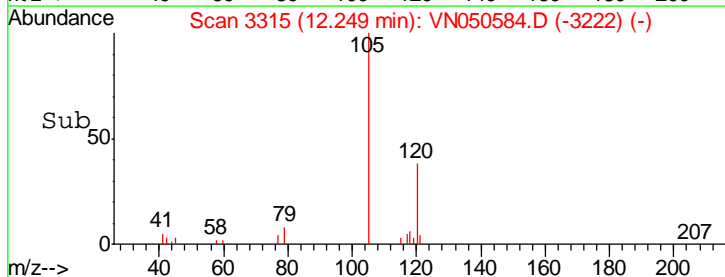
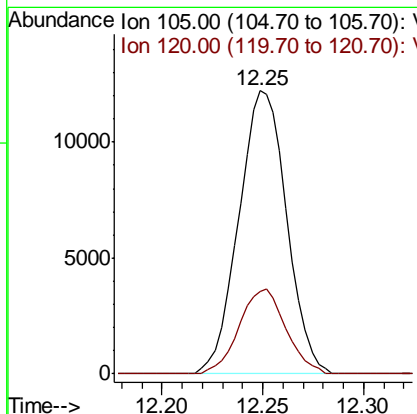
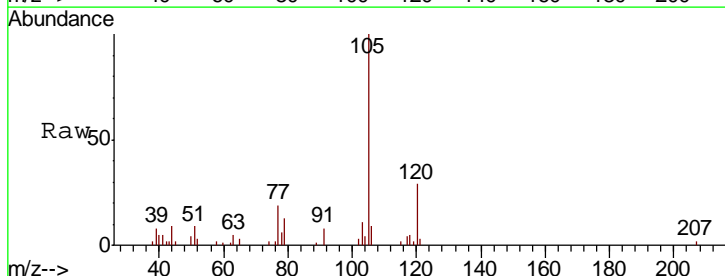
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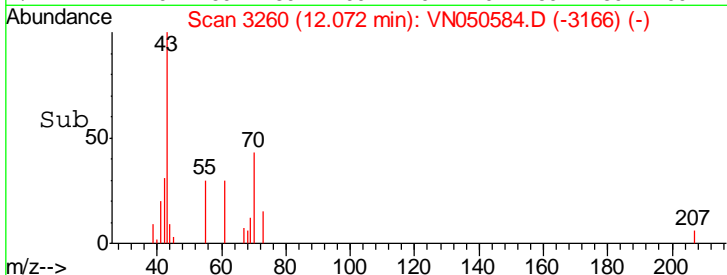
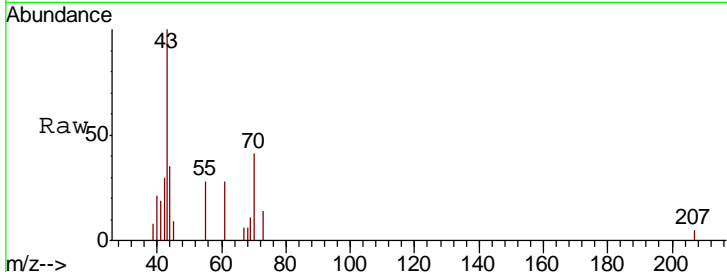
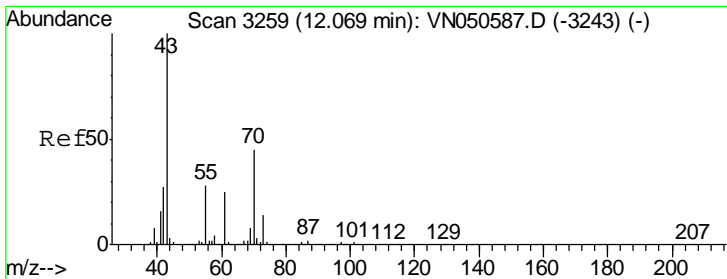
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#73
 Isopropylbenzene
 Concen: 1.02 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
105	20276		
105	100		
120	29.3	13.4	40.1



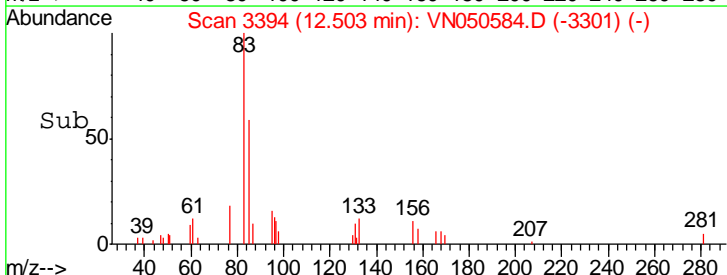
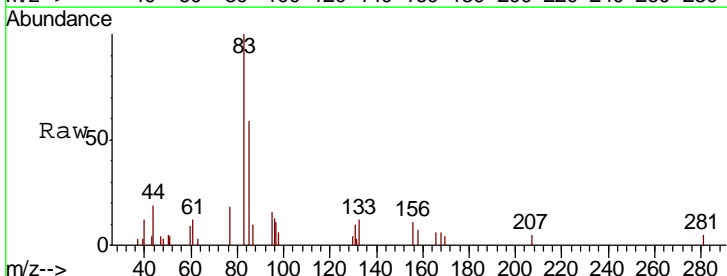
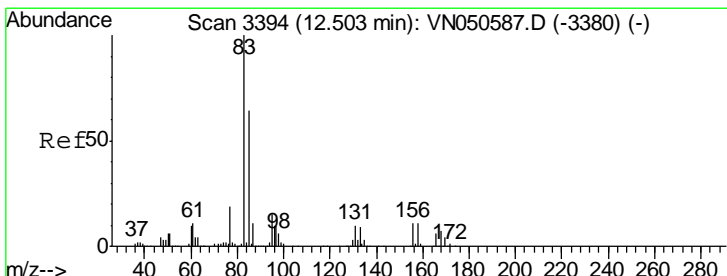
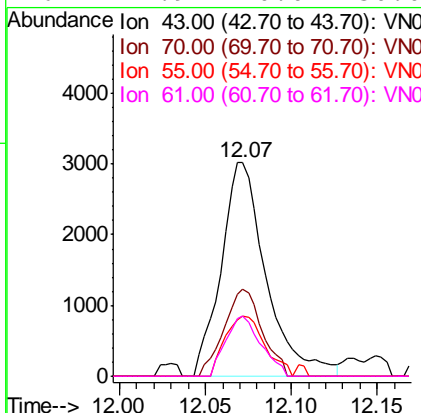


#74
 N-amyl acetate
 Concen: 0.88 ug/l
 RT: 12.07 min Scan# 3260
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
43	100		
70	34.4	35.9	53.9#
55	24.7	22.2	33.4
61	21.9	20.0	30.0

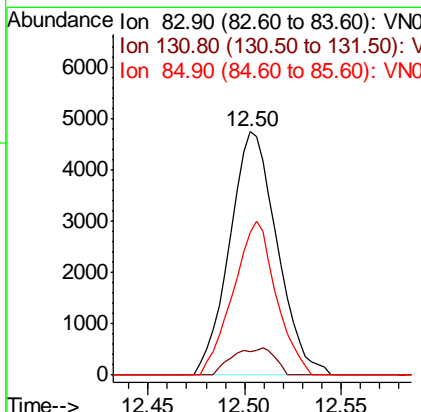
Instrument : MSVOA_N
 Client Sampled : VSTDIC001

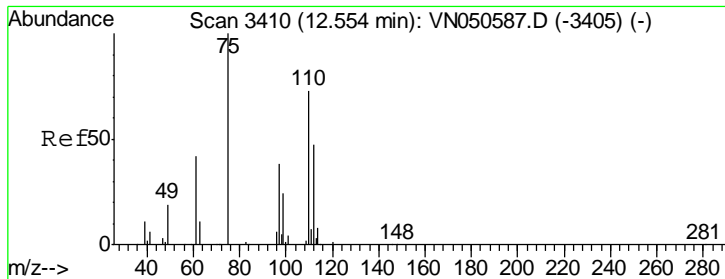
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#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.44 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
83	100		
131	9.9	5.3	15.9
85	57.0	32.1	96.5





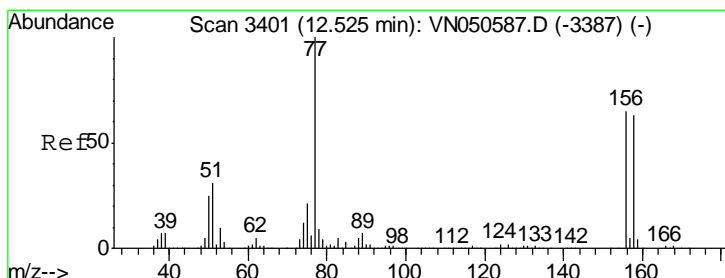
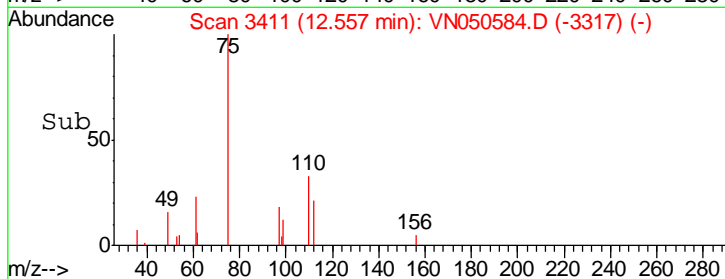
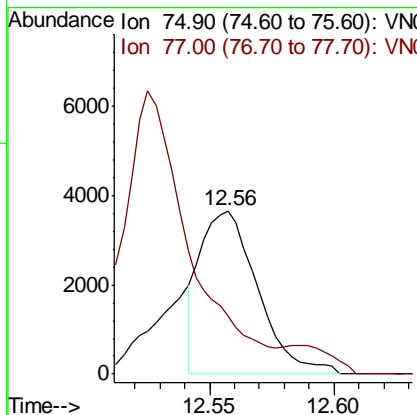
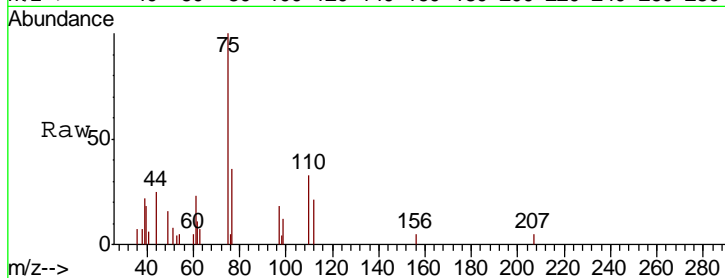
#76
 1,2,3-Trichloropropane
 Concen: 1.24 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	5896	100	0.0
77	0.0	0.0	0.0

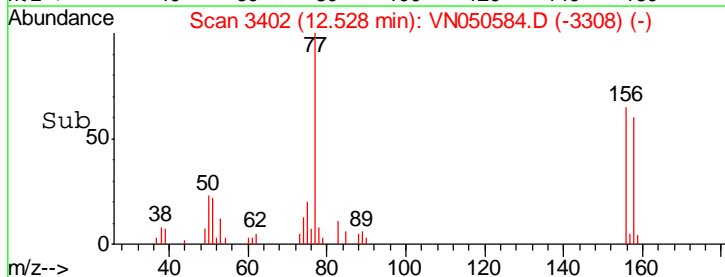
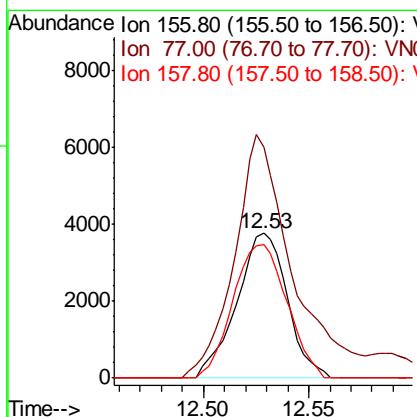
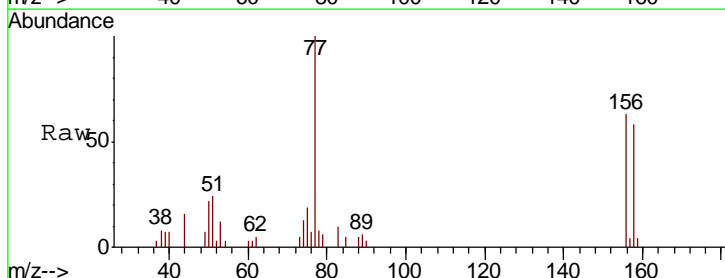
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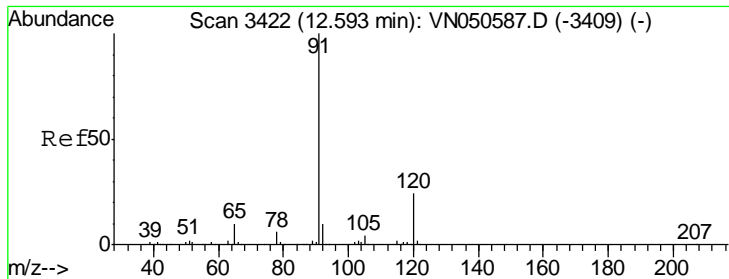
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#77
 Bromobenzene
 Concen: 1.18 ug/l
 RT: 12.53 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
156	6279	100	0.0
77	192.5	89.0	267.1
158	98.5	48.5	145.6





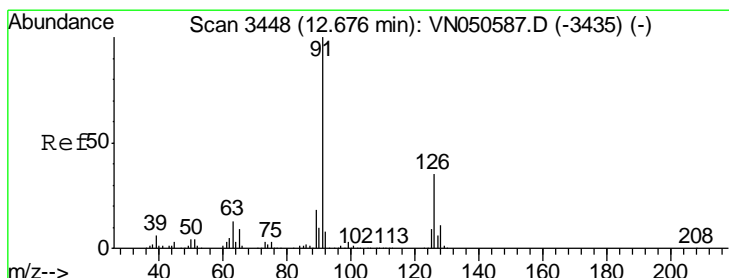
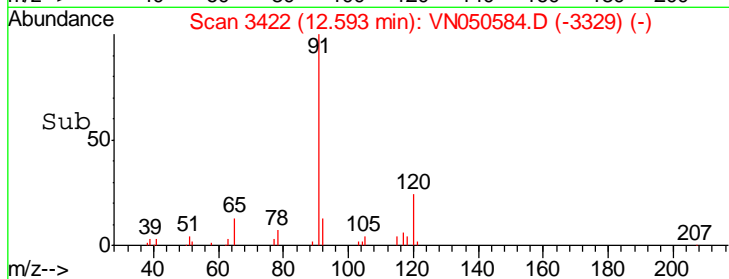
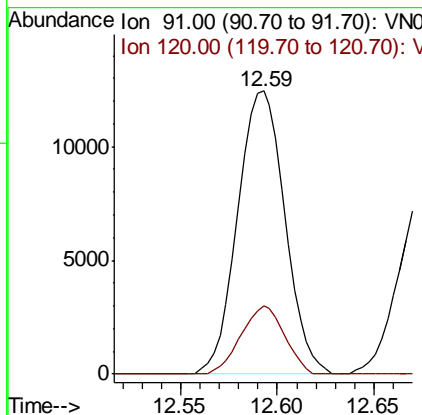
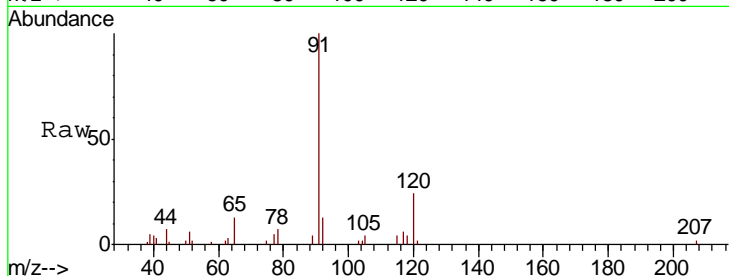
#78
 n-propylbenzene
 Concen: 0.94 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	100		
120	22.1	11.8	35.4

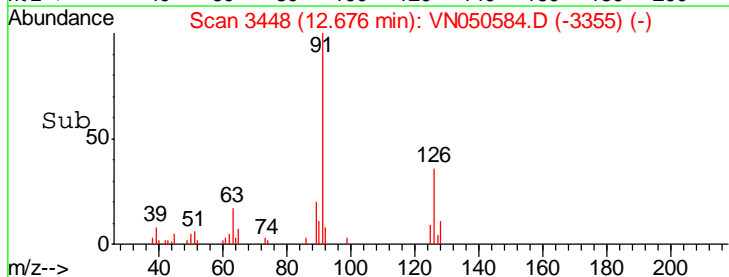
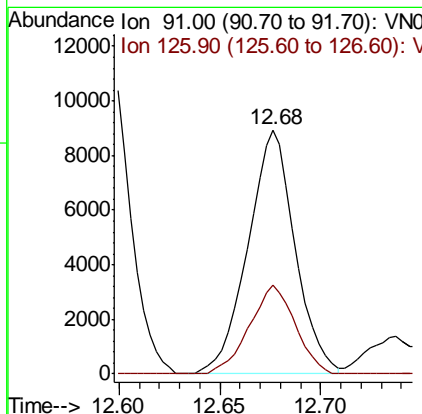
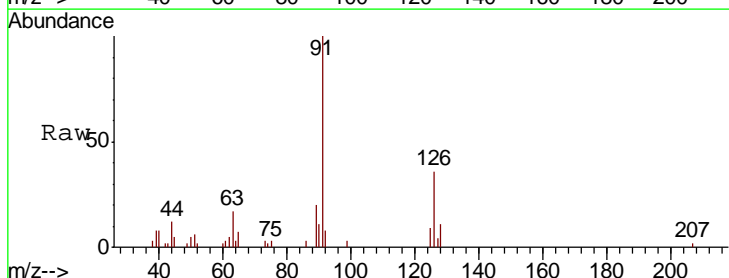
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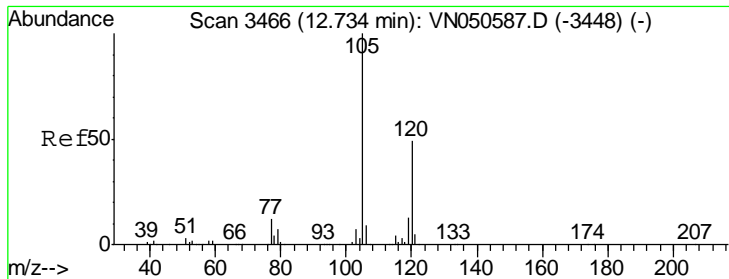
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#79
 2-Chlorotoluene
 Concen: 1.04 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.3	17.6	52.8





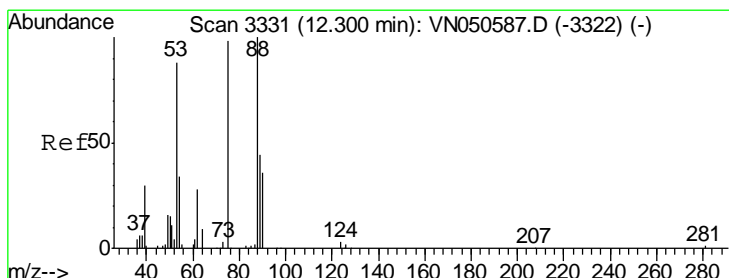
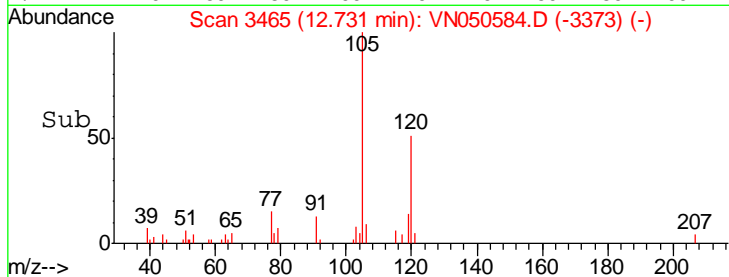
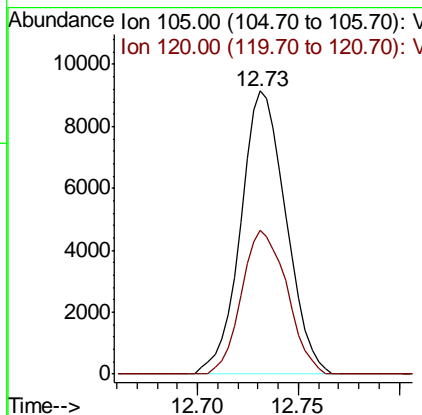
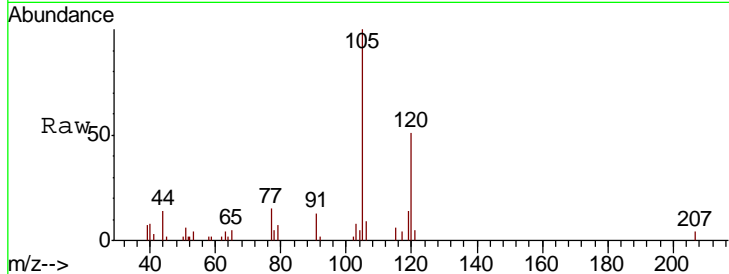
#80
 1,3,5-Trimethylbenzene
 Concen: 0.89 ug/l
 RT: 12.73 min Scan# 3465
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	14373		
120	50.9	24.7	74.1

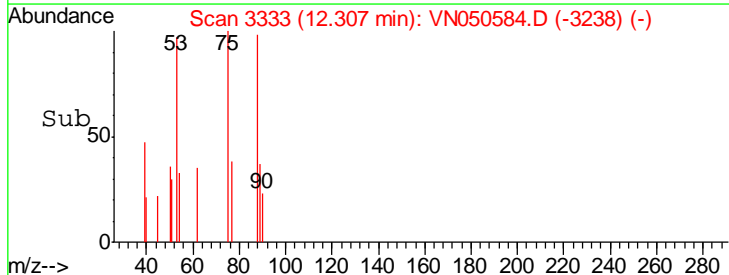
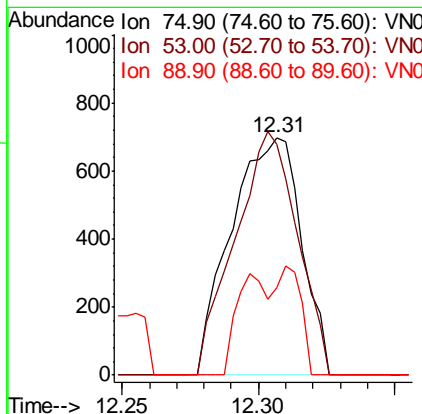
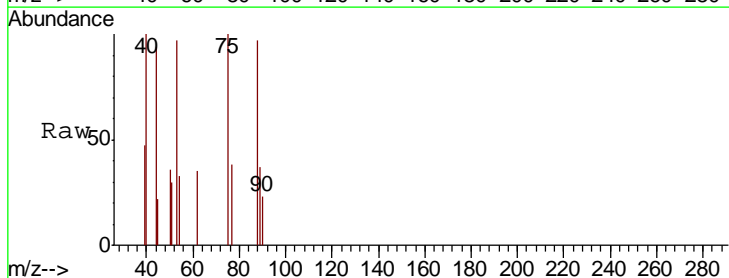
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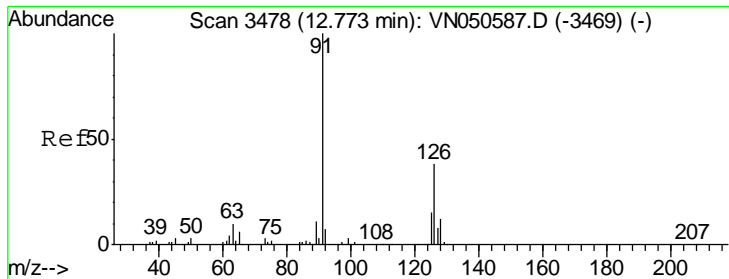
MMDadoda
 8/15/2018 3:20:52 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.94 ug/l
 RT: 12.31 min Scan# 3333
 Delta R.T. 0.01 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
75	1245		
75	100		
53	91.3	72.2	108.2
89	17.0	36.3	54.5#





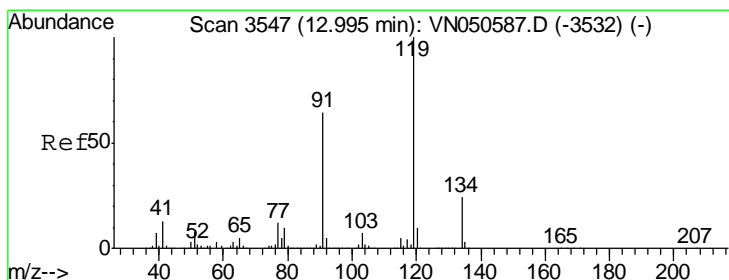
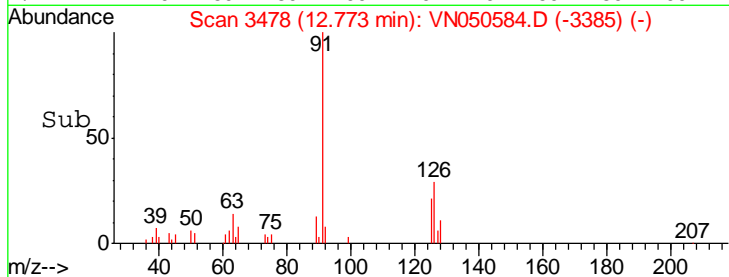
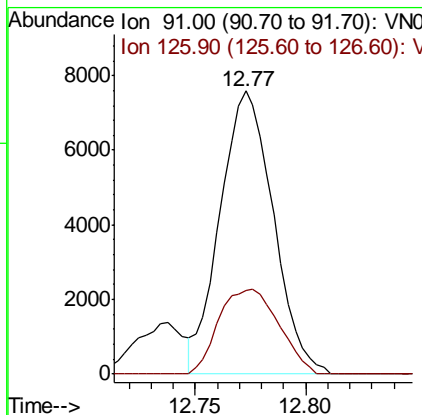
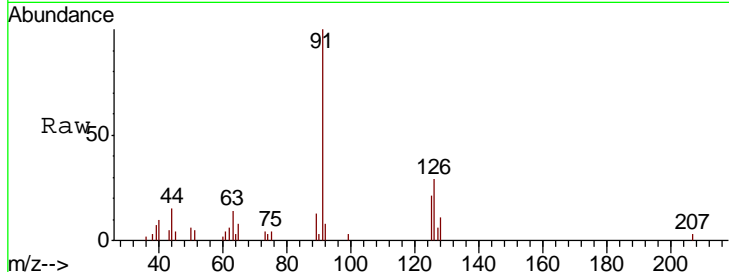
#82
 4-Chlorotoluene
 Concen: 0.91 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
91	100		
126	33.8	17.3	52.0

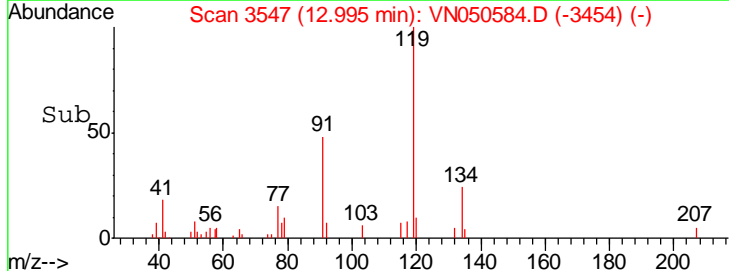
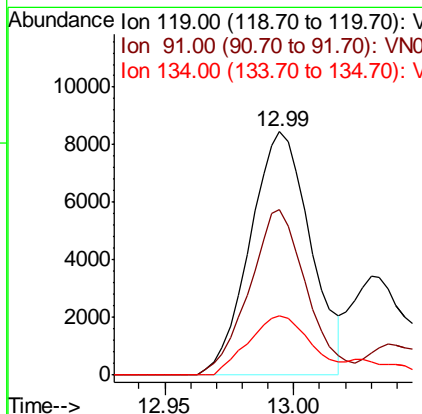
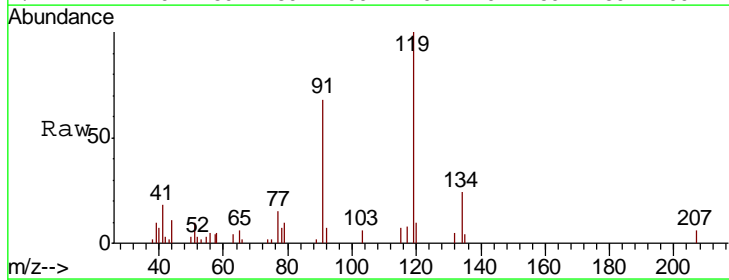
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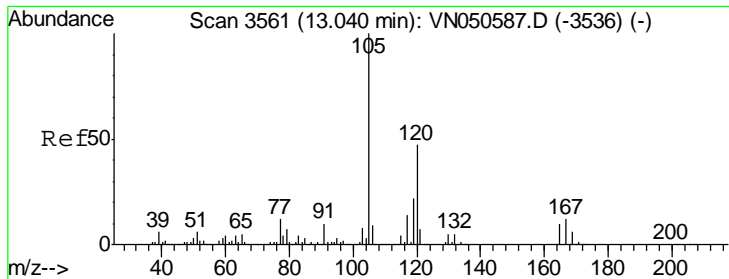
MMDadoda
 8/15/2018 3:20:52 PM



#83
 tert-Butylbenzene
 Concen: 0.98 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
119	100		
91	64.4	32.2	96.6
134	24.7	13.4	40.2





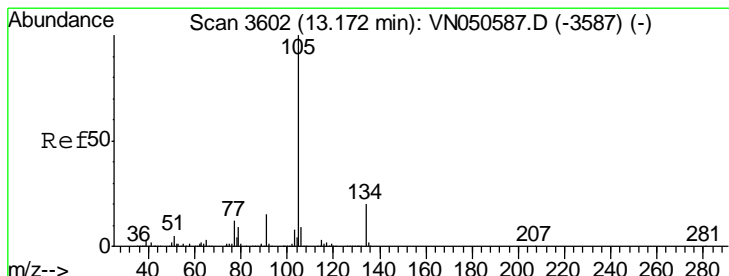
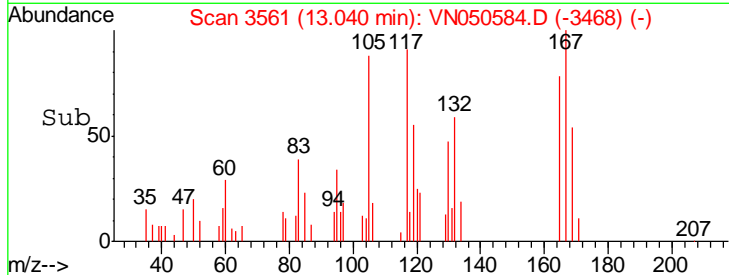
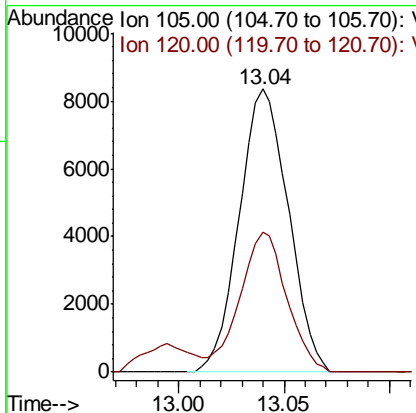
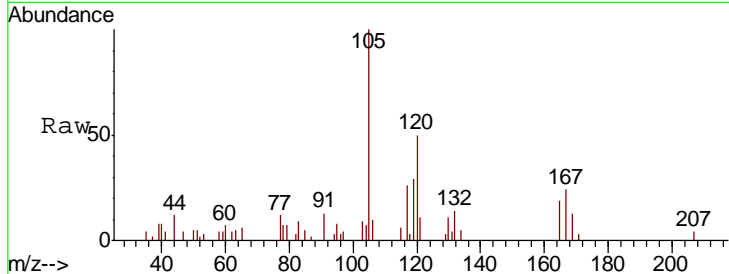
#84
 1,2,4-Trimethylbenzene
 Concen: 0.82 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
105	13490		
105	100		
120	47.3	23.2	69.5

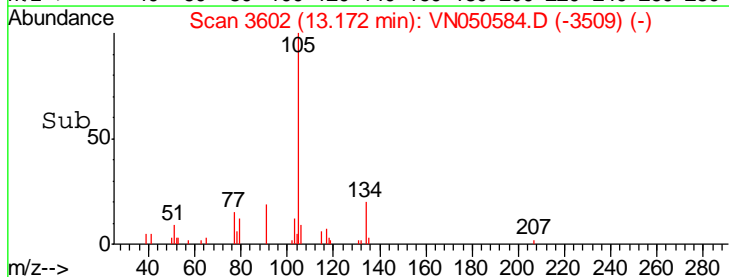
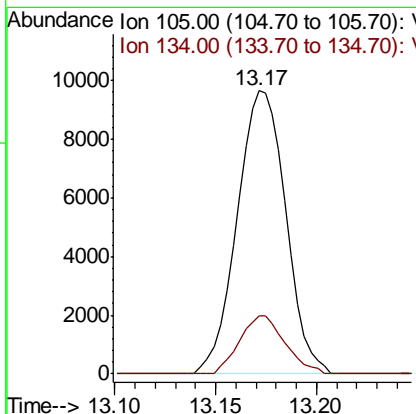
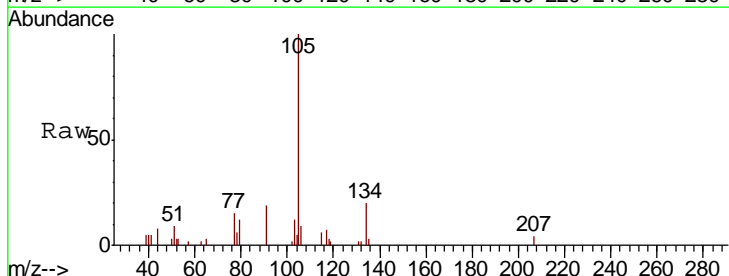
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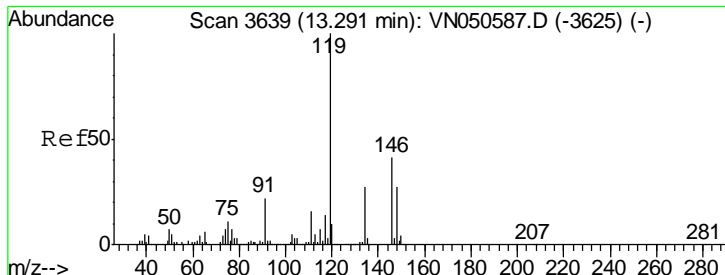
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 8/15/2018 3:20:52 PM



#85
 sec-Butylbenzene
 Concen: 0.87 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
105	16260		
105	100		
134	19.2	10.1	30.3





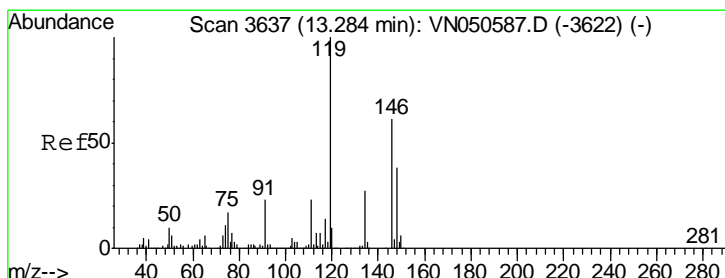
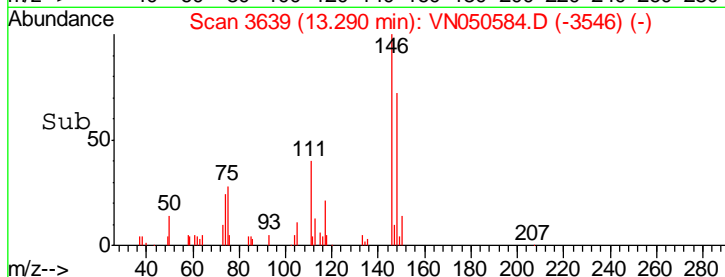
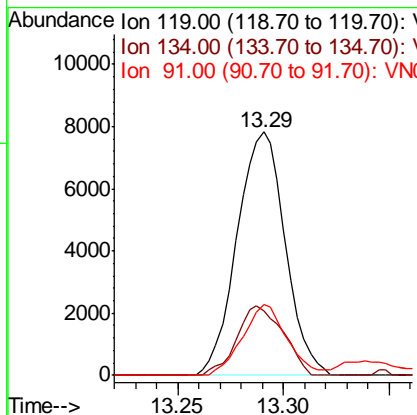
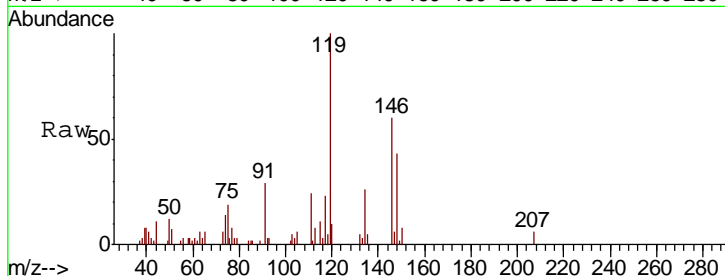
#86
 p-Isopropyltoluene
 Concen: 0.77 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
119	12399		
134	27.3	13.5	40.4
91	27.0	11.2	33.6

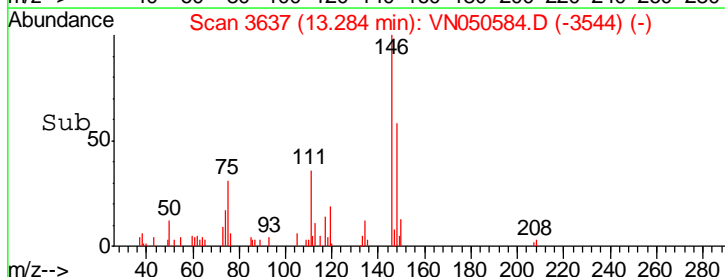
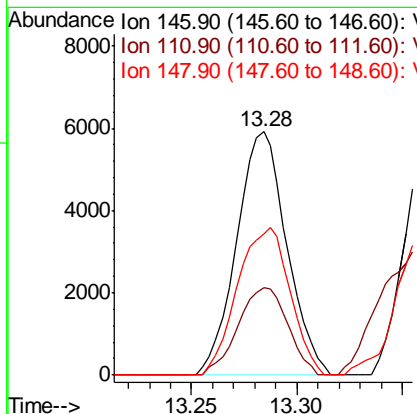
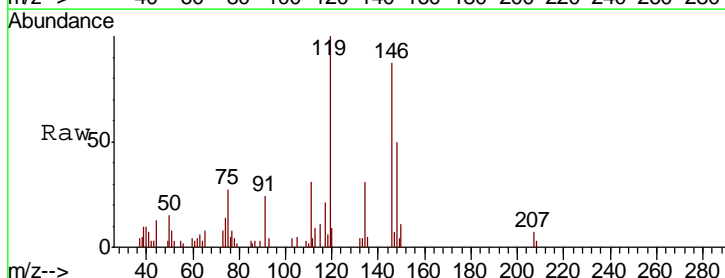
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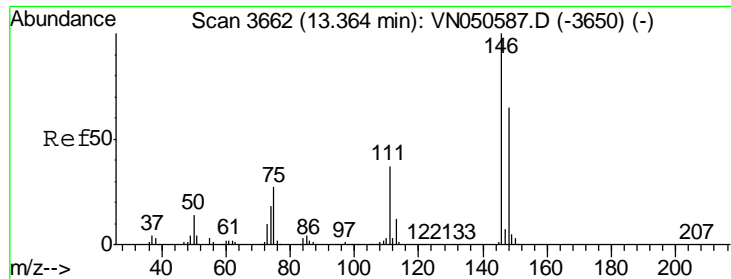
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#87
 1,3-Dichlorobenzene
 Concen: 1.03 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
146	9749		
111	35.6	19.2	57.6
148	63.5	31.9	95.7





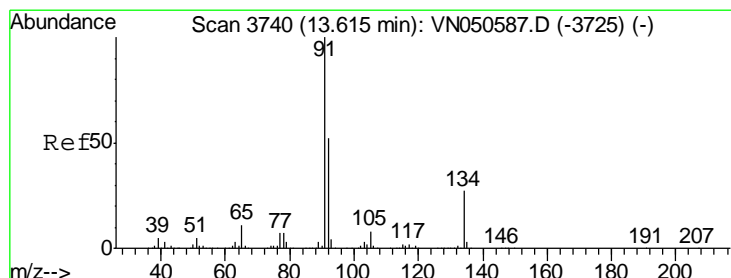
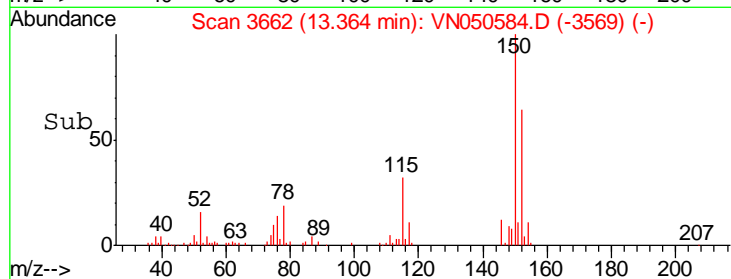
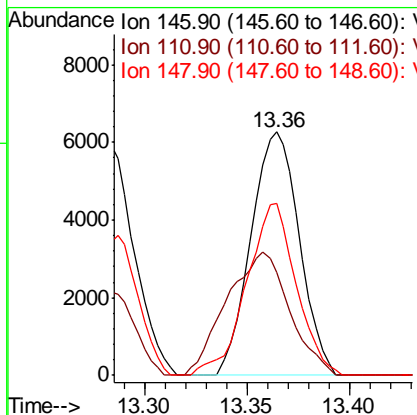
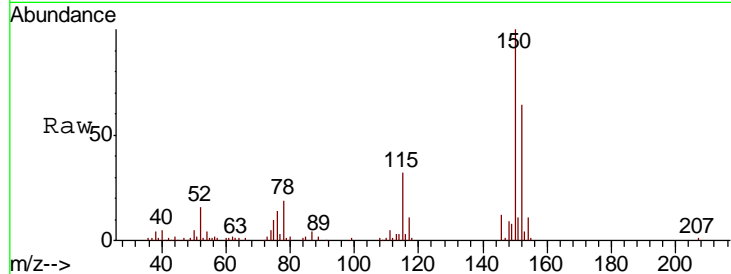
#88
 1,4-Dichlorobenzene
 Concen: 1.09 ug/l m
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
146	10266		
111	33.8	18.8	56.4
148	60.3	32.3	96.8

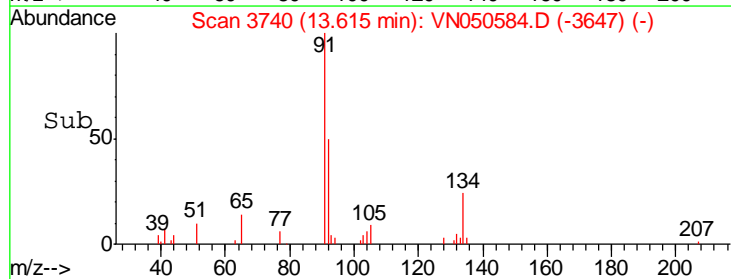
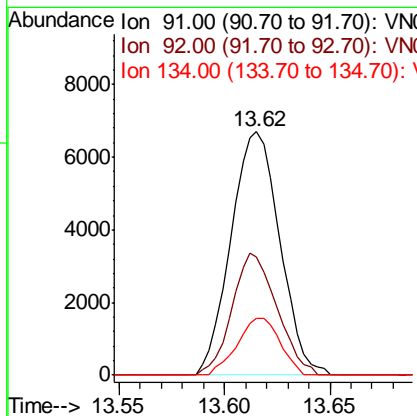
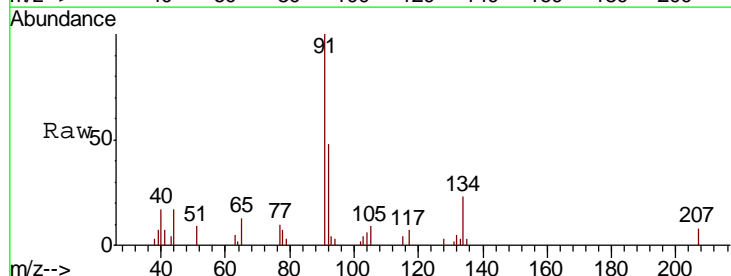
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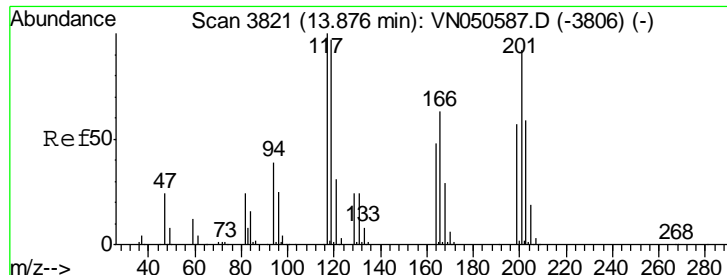
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#89
 n-Butylbenzene
 Concen: 0.79 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
91	10778		
92	45.9	26.3	78.8
134	20.4	13.3	39.9





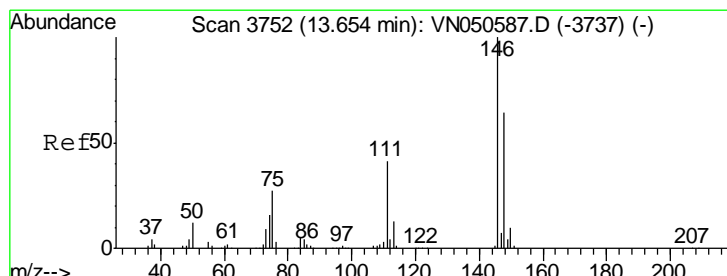
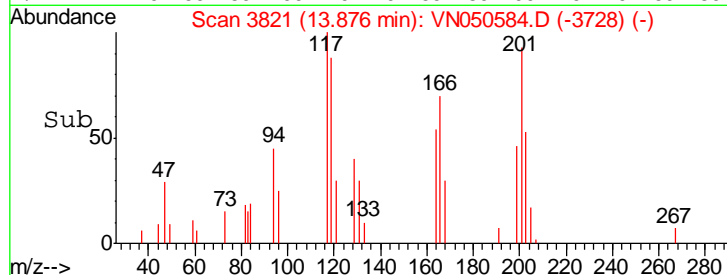
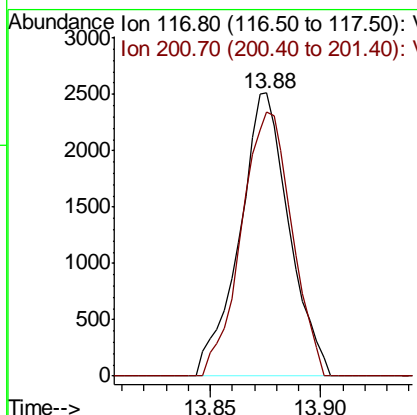
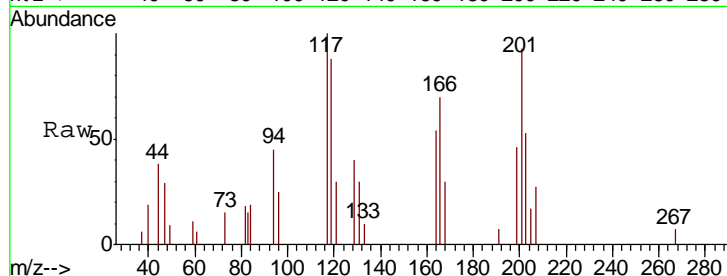
#90
 Hexachloroethane
 Concen: 1.36 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 ClientSampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
117	100		
201	94.6	45.5	136.5

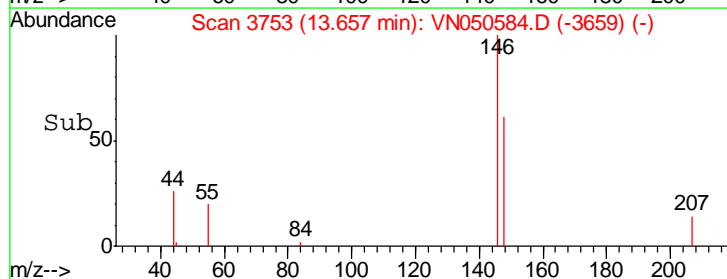
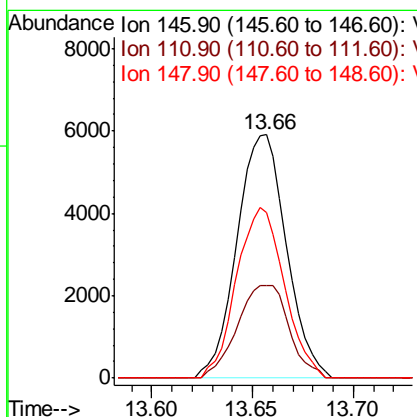
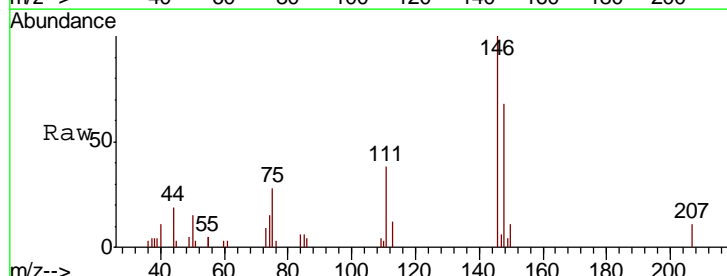
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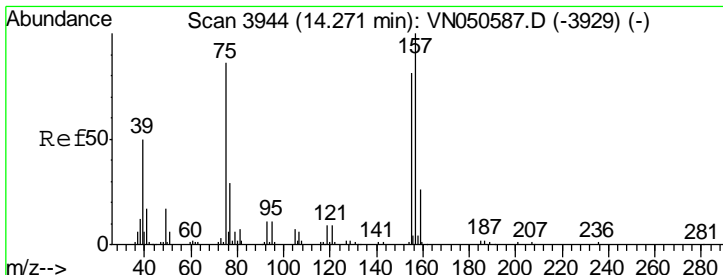
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#91
 1,2-Dichlorobenzene
 Concen: 1.07 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.7	19.8	59.4
148	67.5	32.3	96.8





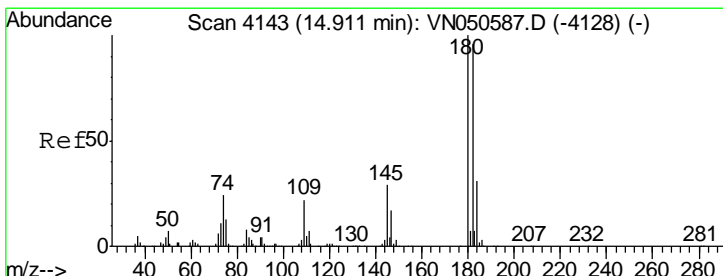
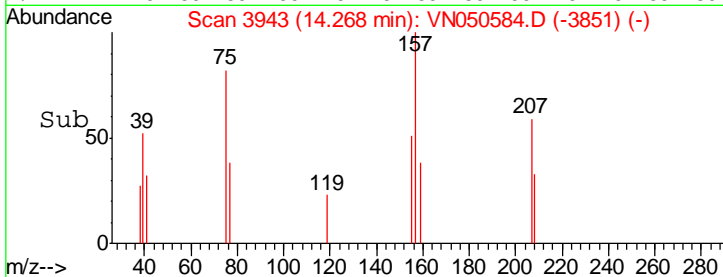
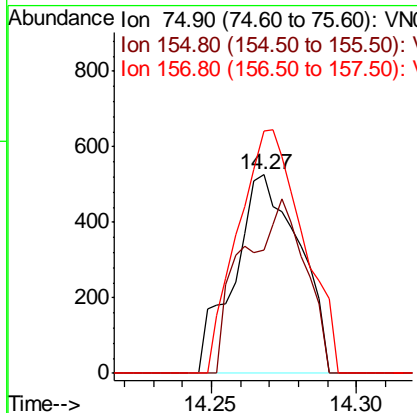
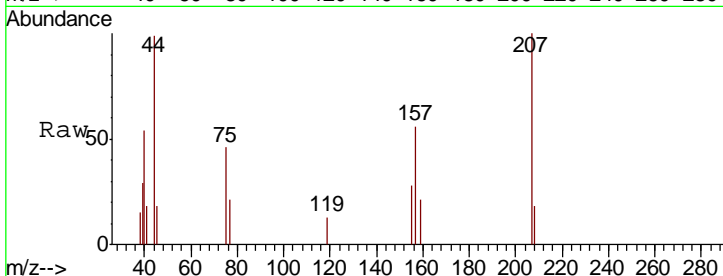
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.87 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument : MSVOA_N
 Client Sampled : VSTDIC001

Tgt Ion	Resp	Lower	Upper
75	822		
75	100		
155	83.1	46.6	139.8
157	122.0	58.1	174.2

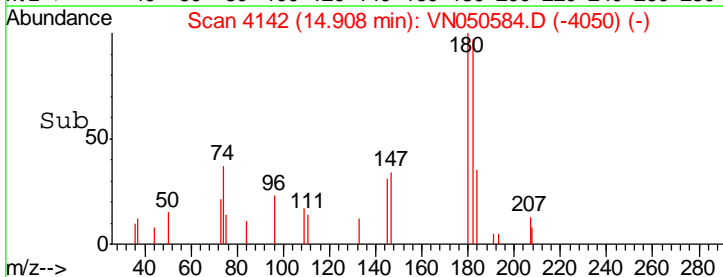
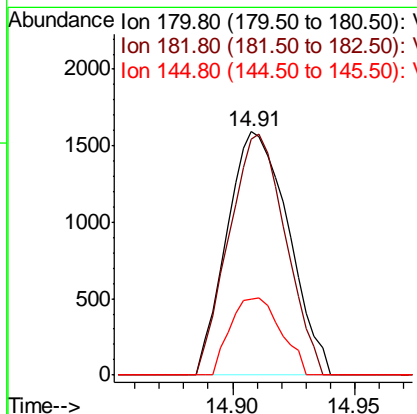
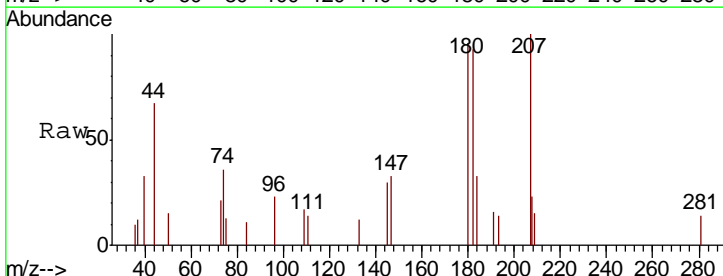
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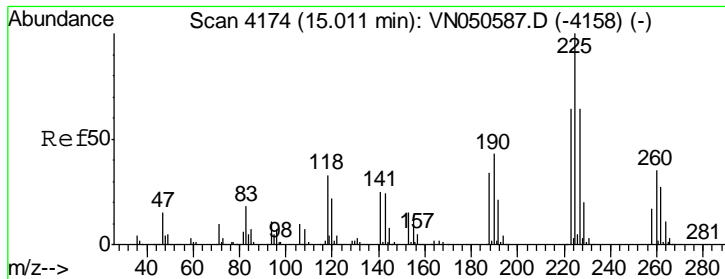
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.59 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Tgt Ion	Resp	Lower	Upper
180	2789		
180	100		
182	90.9	47.9	143.7
145	26.0	14.4	43.4





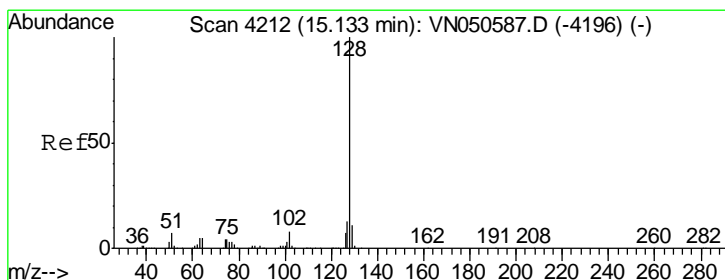
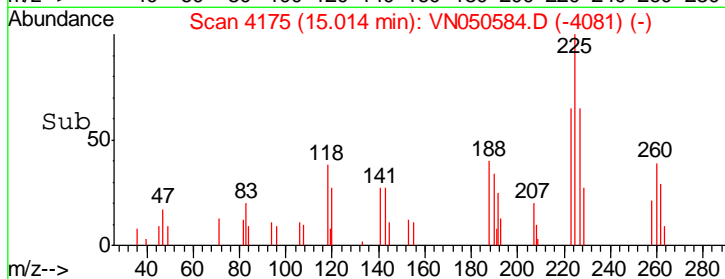
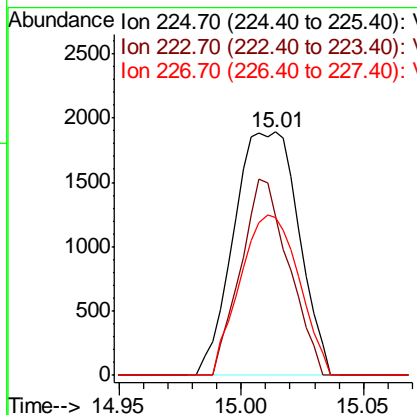
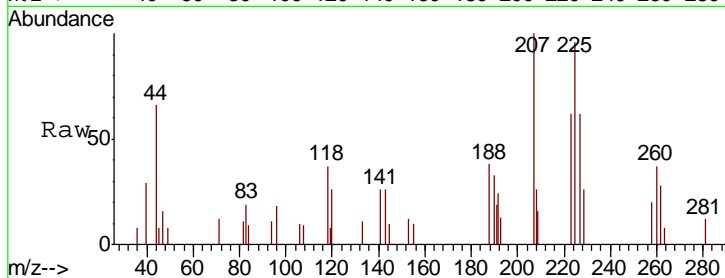
#94
 Hexachlorobutadiene
 Concen: 1.01 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Resp	Lower	Upper
225	100		
223	59.9	32.1	96.3
227	59.5	32.0	96.2

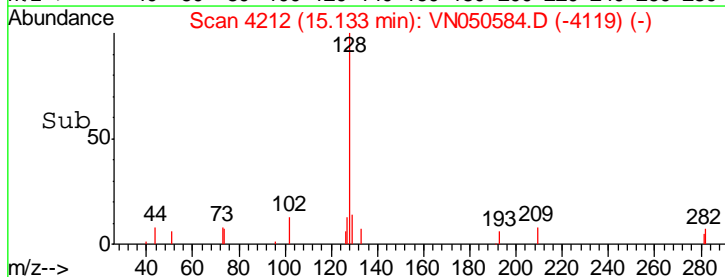
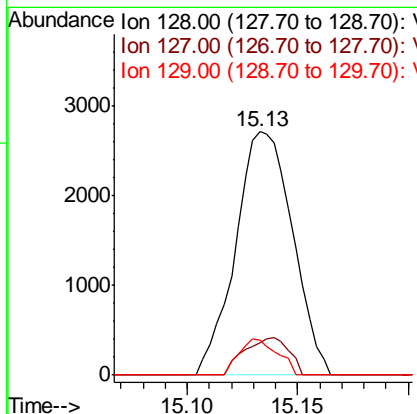
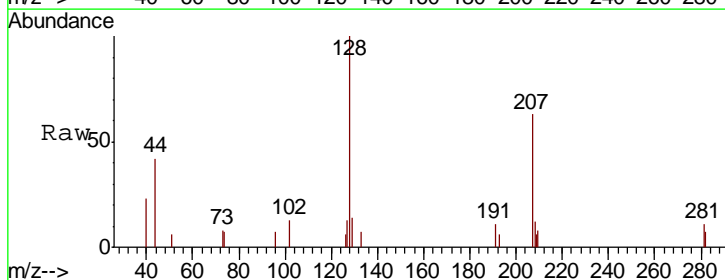
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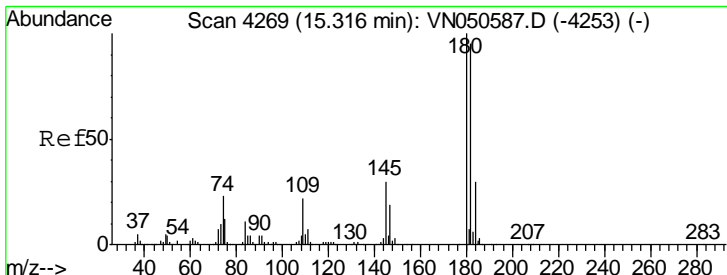
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#95
 Naphthalene
 Concen: 0.45 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

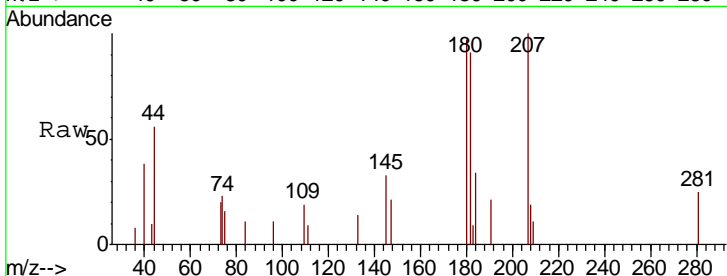
Tgt Ion	Resp	Lower	Upper
128	100		
127	12.1	10.3	15.5
129	10.1	8.5	12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.64 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN050584.D
 Acq: 13 Aug 2018 23:46

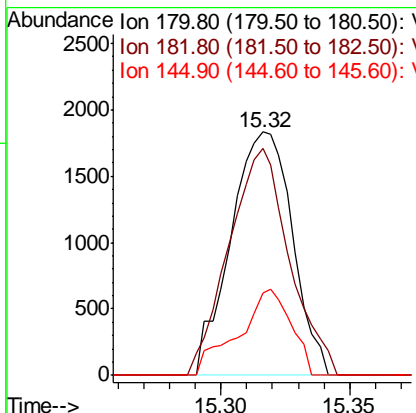
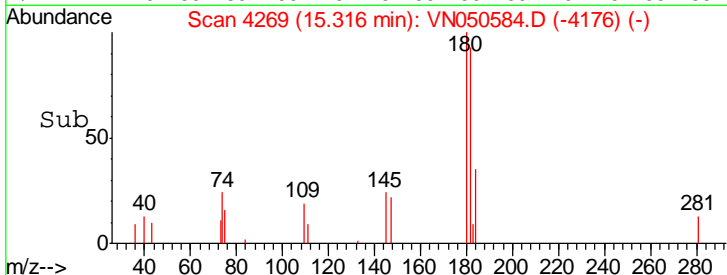
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001



Tot Ion: 180 Resp: 3053

Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.3	141.8
145	30.3	14.6	44.0

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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050585.D
 Acq On : 14 Aug 2018 00:11
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC005

Manual Integrations
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Quant Time: Aug 14 07:40:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	569065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	873040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	786588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	355562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	40386	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
35) Dibromofluoromethane	7.59	113	37283	5.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.64%	
50) Toluene-d8	10.09	98	130302	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.40	95	38906	4.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	32014	5.06	ug/l	99
3) Chloromethane	2.06	50	43908	5.20	ug/l	97
4) Vinyl Chloride	2.18	62	44050	5.38	ug/l	94
5) Bromomethane	2.56	94	28740	5.72	ug/l	98
6) Chloroethane	2.70	64	28932	5.76	ug/l	95
7) Trichlorofluoromethane	3.01	101	59085	5.59	ug/l	98
8) Diethyl Ether	3.41	74	18282	4.76	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	36676	5.61	ug/l	99
10) Methyl Iodide	3.95	142	17667	5.60	ug/l	98
11) Tert butyl alcohol	4.79	59	9760	17.22	ug/l	95
12) 1,1-Dichloroethene	3.73	96	31433	5.11	ug/l	99
13) Acrolein	3.61	56	11633	19.18	ug/l	99
14) Allyl chloride	4.33	41	48278	4.93	ug/l	99
15) Acrylonitrile	5.00	53	53883	21.64	ug/l	98
16) Acetone	3.82	43	52048	21.91	ug/l	98
17) Carbon Disulfide	4.05	76	98952	4.95	ug/l	100
18) Methyl Acetate	4.33	43	33588	4.96	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	75033	4.38	ug/l	94
20) Methylene Chloride	4.55	84	42435	5.02	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	34663	5.21	ug/l	97
22) Diisopropyl ether	5.96	45	97948	4.88	ug/l	92
23) Vinyl Acetate	5.90	43	303684	21.52	ug/l	98
24) 1,1-Dichloroethane	5.85	63	67886	5.49	ug/l	97
25) 2-Butanone	6.84	43	75337	20.83	ug/l	96
26) 2,2-Dichloropropane	6.82	77	44204	4.47	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	38030	5.17	ug/l	98
28) Bromochloromethane	7.19	49	29728	5.22	ug/l	99
29) Tetrahydrofuran	7.22	42	38089	19.63	ug/l	96
30) Chloroform	7.37	83	69236	5.60	ug/l	95
31) Cyclohexane	7.66	56	57787	4.67	ug/l #	80
32) 1,1,1-Trichloroethane	7.57	97	59089	5.57	ug/l	99
36) 1,1-Dichloropropene	7.80	75	47178	4.93	ug/l	99
37) Ethyl Acetate	6.93	43	27959	4.22	ug/l #	93
38) Carbon Tetrachloride	7.77	117	52776	5.28	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050585.D
 Acq On : 14 Aug 2018 00:11
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:20:57 PM

Quant Time: Aug 14 07:40:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	45351	4.34	ug/l	95
40) Benzene	8.04	78	151535	5.14	ug/l	96
41) Methacrylonitrile	7.18	41	13875	3.88	ug/l #	91
42) 1,2-Dichloroethane	8.13	62	48318	5.21	ug/l	100
43) Isopropyl Acetate	8.17	43	53839	4.65	ug/l	98
44) Trichloroethene	8.84	130	39652	5.00	ug/l	99
45) 1,2-Dichloropropane	9.12	63	40974	5.29	ug/l	97
46) Dibromomethane	9.21	93	24196	5.11	ug/l	98
47) Bromodichloromethane	9.40	83	51826	5.23	ug/l	97
48) Methyl methacrylate	9.20	41	23102	4.00	ug/l	96
49) 1,4-Dioxane	9.20	88	5987	68.19	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	165664	20.05	ug/l	98
52) Toluene	10.16	92	87365	4.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	43301	4.40	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	51353	4.66	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	34942	5.10	ug/l	94
56) Ethyl methacrylate	10.43	69	33345	3.91	ug/l	96
57) 1,3-Dichloropropane	10.71	76	55385	4.92	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	72350	18.18	ug/l	99
59) 2-Hexanone	10.75	43	102073	17.82	ug/l	92
60) Dibromochloromethane	10.90	129	36675	4.86	ug/l	100
61) 1,2-Dibromoethane	11.01	107	30853	4.59	ug/l	97
64) Tetrachloroethene	10.63	164	38161	5.20	ug/l	99
65) Chlorobenzene	11.44	112	100303	5.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	39148	5.44	ug/l	97
67) Ethyl Benzene	11.51	91	149919	4.70	ug/l	98
68) m/p-Xylenes	11.62	106	111551	9.18	ug/l	98
69) o-Xylene	11.95	106	53670	4.59	ug/l	99
70) Styrene	11.97	104	82286	4.34	ug/l	99
71) Bromoform	12.13	173	24450	4.73	ug/l #	98
73) Isopropylbenzene	12.25	105	138443	5.15	ug/l	100
74) N-amyl acetate	12.07	43	34370	4.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	41503	5.47	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	35606m	5.54	ug/l	
77) Bromobenzene	12.53	156	40123	5.58	ug/l	98
78) n-propylbenzene	12.59	91	148279	4.88	ug/l	100
79) 2-Chlorotoluene	12.67	91	100357	5.34	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	109330	5.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	7763	4.37	ug/l	96
82) 4-Chlorotoluene	12.77	91	97090	5.19	ug/l	99
83) tert-Butylbenzene	12.99	119	95009	5.01	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	107622	4.88	ug/l	100
85) sec-Butylbenzene	13.17	105	127344	5.03	ug/l	98
86) p-Isopropyltoluene	13.29	119	101679	4.70	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	66761	5.23	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	66378	5.21	ug/l	95
89) n-Butylbenzene	13.62	91	78450	4.29	ug/l	95
90) Hexachloroethane	13.87	117	23085	5.94	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	66588	5.23	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5497	4.34	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050585.D
 Acq On : 14 Aug 2018 00:11
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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MMDadoda
 8/15/2018 3:20:57 PM

Quant Time: Aug 14 07:40:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	21475	3.35	ug/l	97
94) Hexachlorobutadiene	15.01	225	21110	4.53	ug/l	94
95) Naphthalene	15.13	128	35734	2.47	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	21692	3.35	ug/l	99

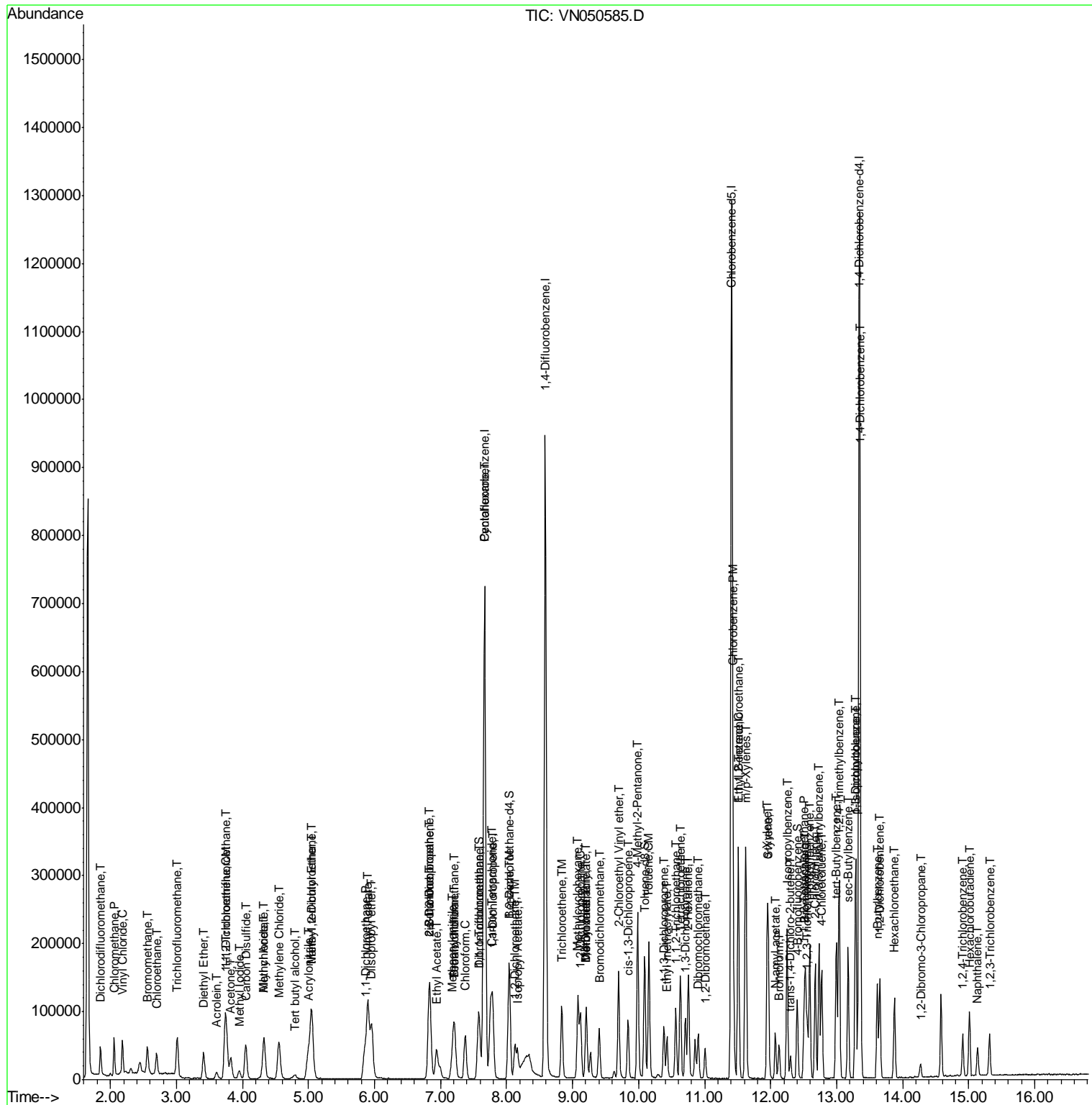
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050585.D
Acq On : 14 Aug 2018 00:11
Operator : MD\SY
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 34 Sample Multiplier: 1

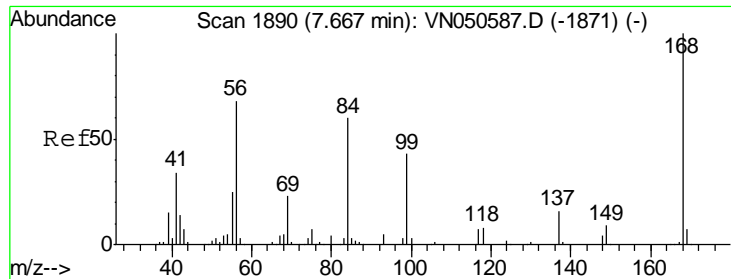
Instrument : MSVOA_N
Client Sampled : VSTDIC005

Manual Integrations APPROVED
MMDadoda
8/15/2018 3:20:57 PM

Quant Time: Aug 14 07:40:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 07:26:24 2018
Response via : Initial Calibration



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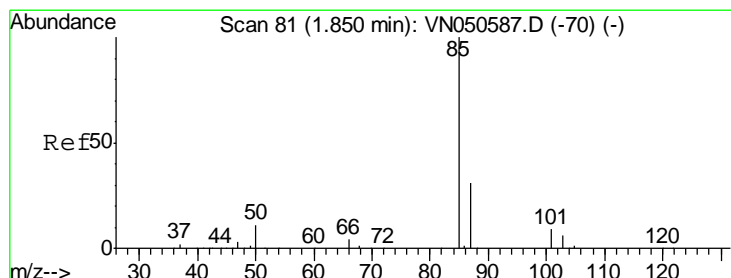
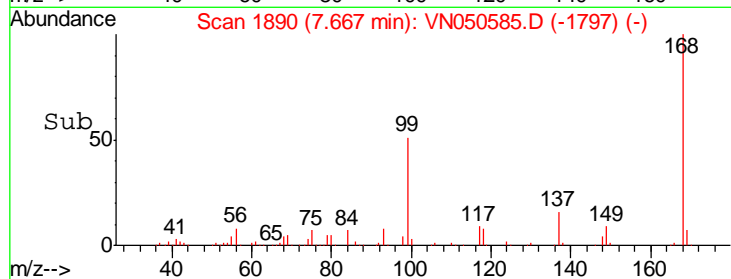
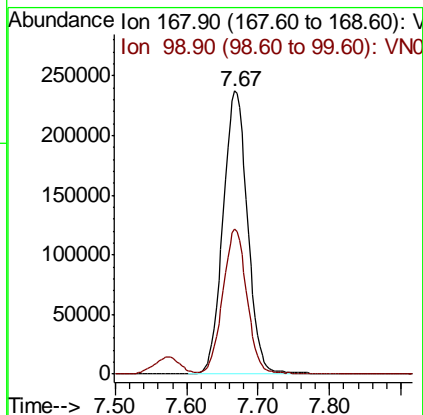
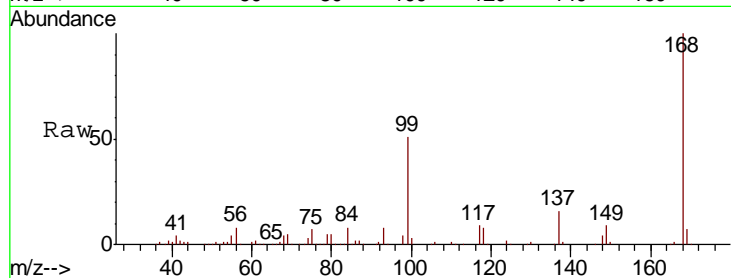
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
168	100		
99	51.2	40.8	61.2

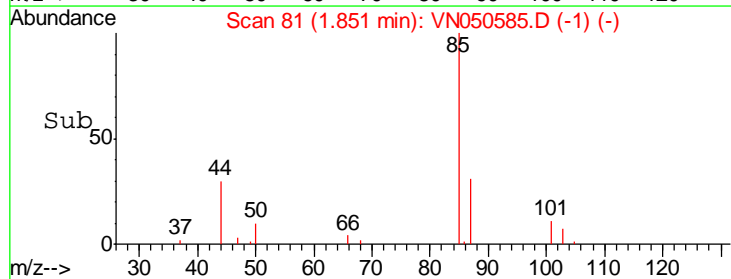
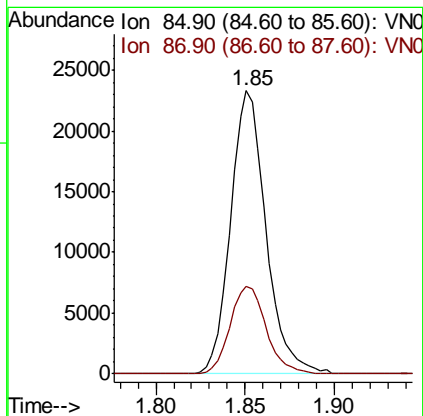
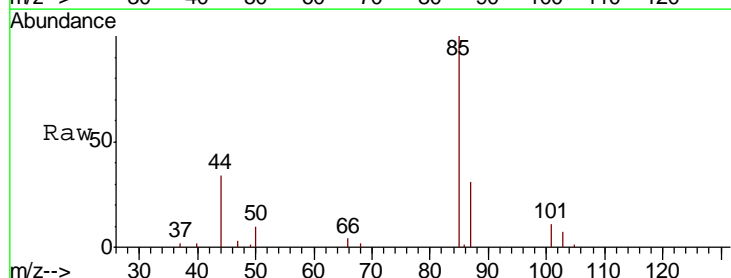
Manual Integrations
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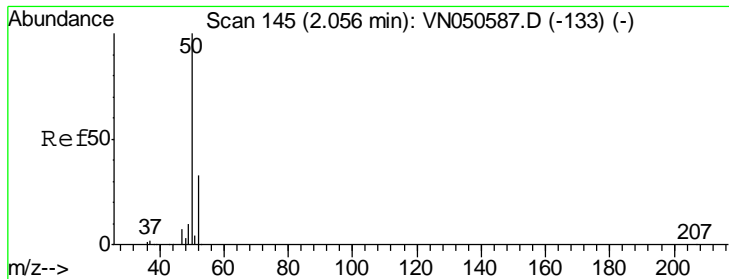
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#2
 Dichlorodifluoromethane
 Concen: 5.06 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.0	15.8	47.3





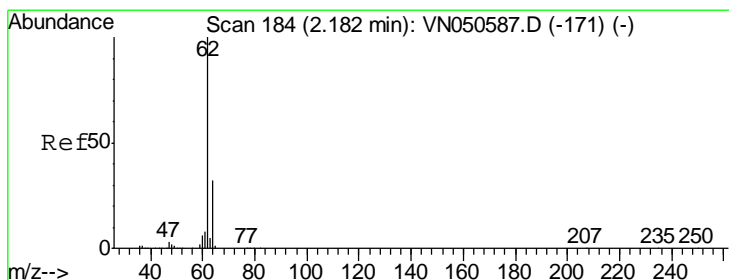
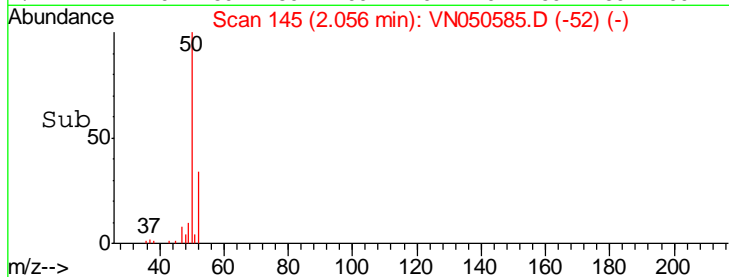
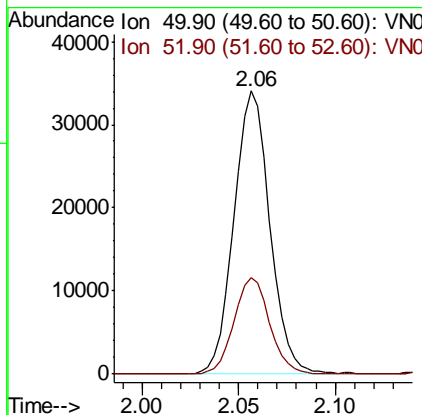
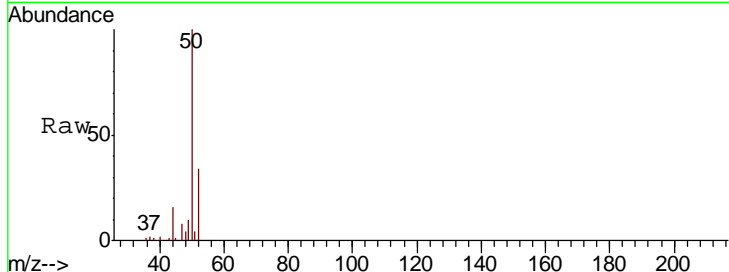
#3
 Chloromethane
 Concen: 5.20 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
50	43908		
50	100		
52	34.0	26.0	39.0

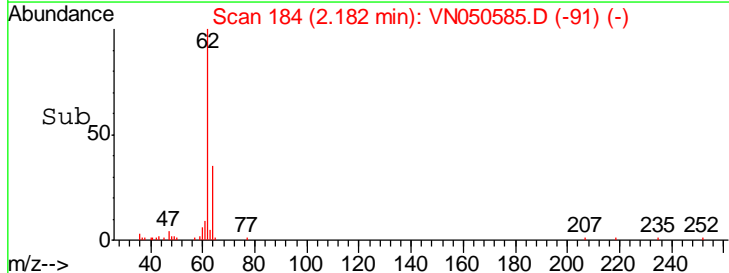
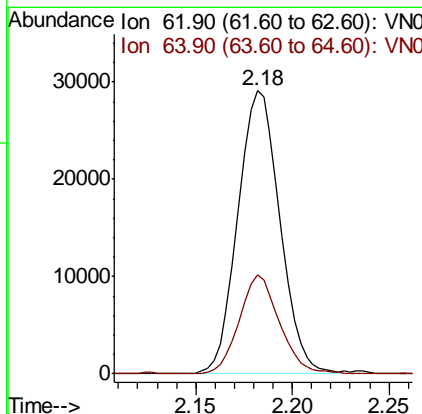
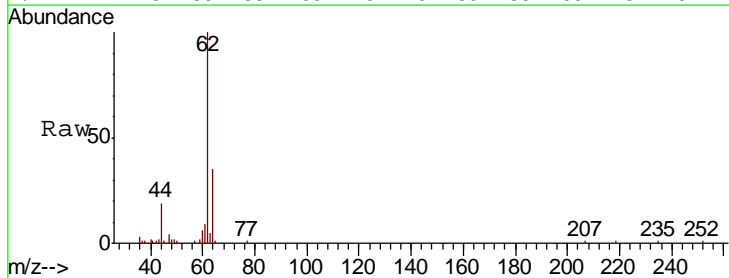
Manual Integrations
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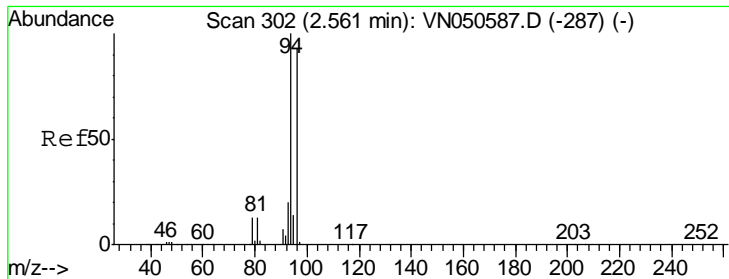
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 8/15/2018 3:20:57 PM



#4
 Vinyl Chloride
 Concen: 5.38 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
62	44050		
62	100		
64	35.0	25.2	37.8





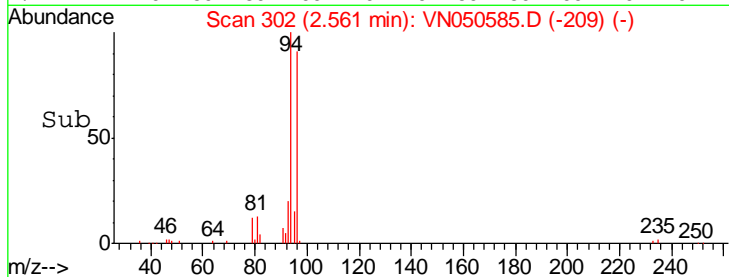
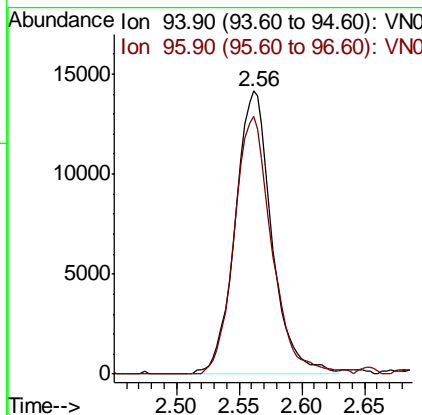
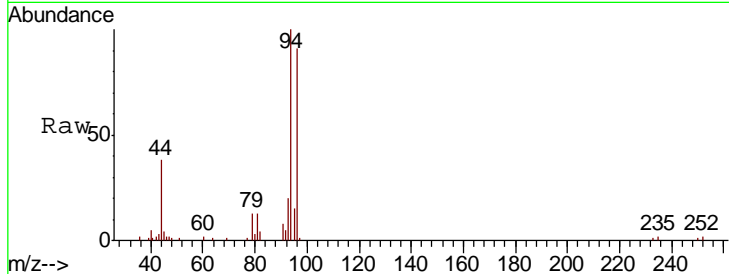
#5
 Bromomethane
 Concen: 5.72 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
94	100		
96	91.1	74.0	111.0

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

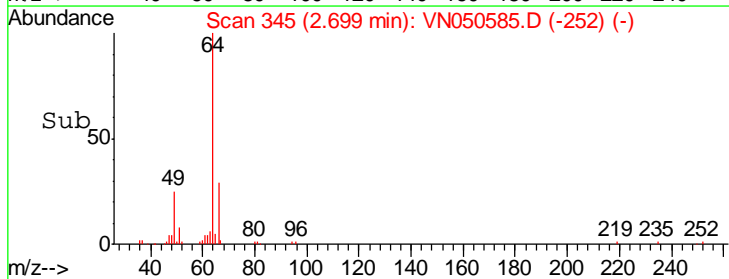
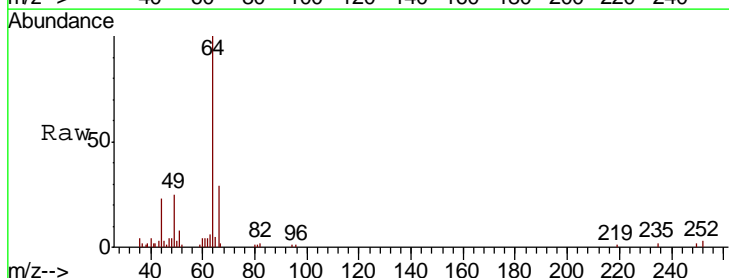
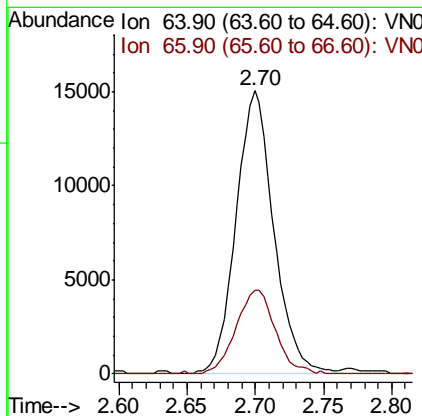
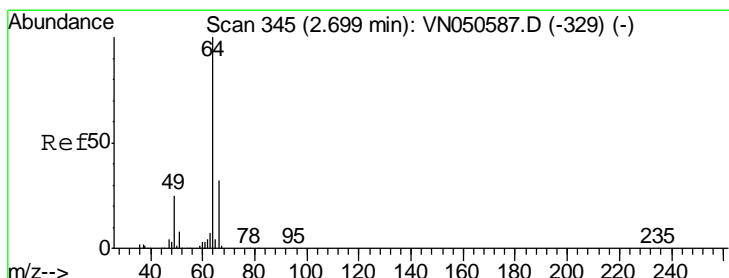
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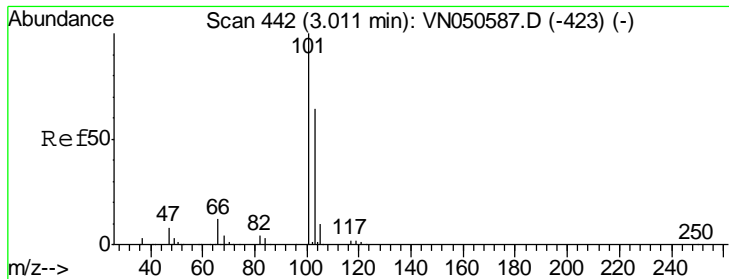
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 8/15/2018 3:20:57 PM



#6
 Chloroethane
 Concen: 5.76 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
64	100		
66	29.5	25.7	38.5





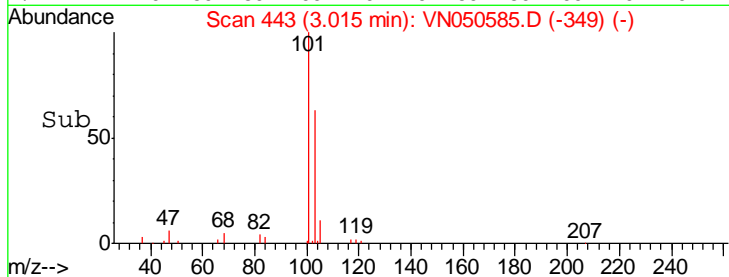
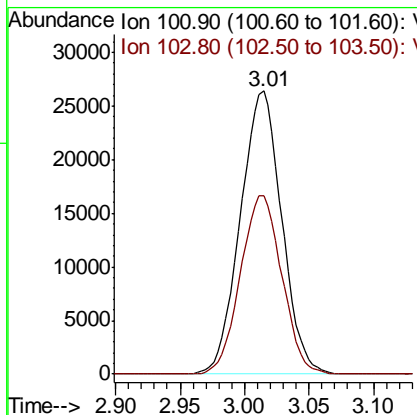
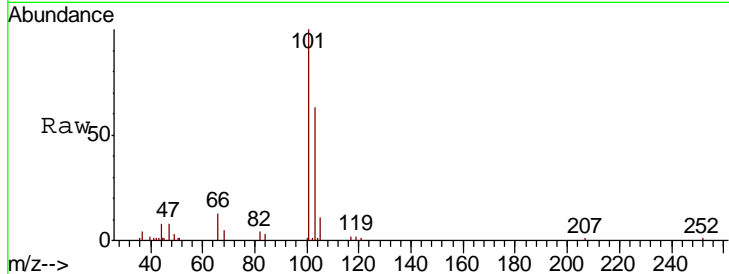
#7
 Trichlorofluoromethane
 Concen: 5.59 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
101	59085		
103	62.8	51.4	77.0

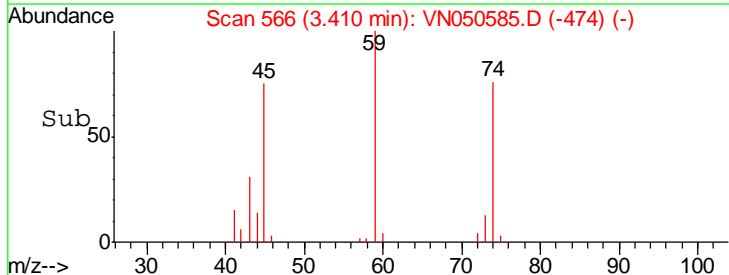
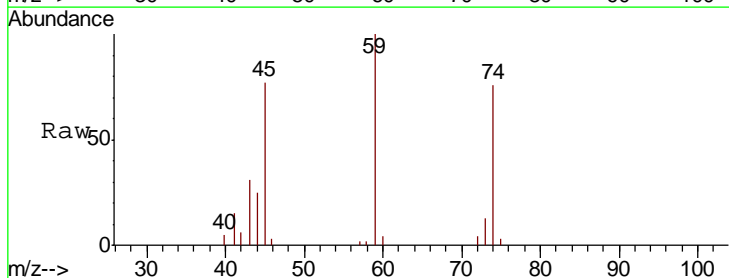
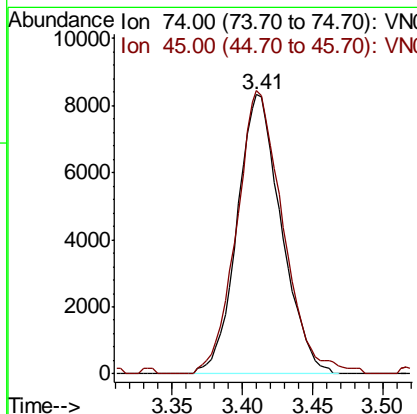
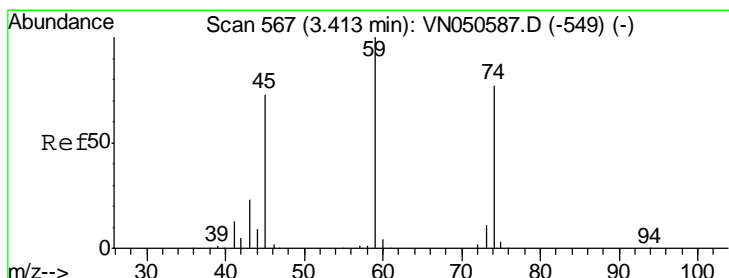
Manual Integrations
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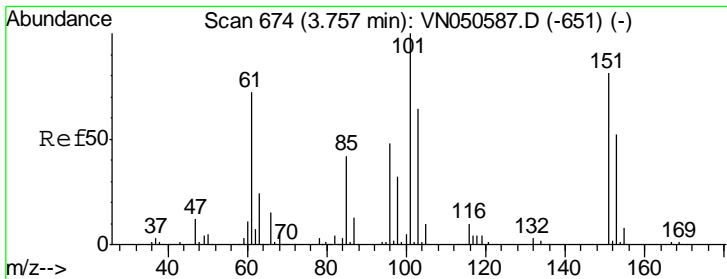
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 8/15/2018 3:20:57 PM



#8
 Diethyl Ether
 Concen: 4.76 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

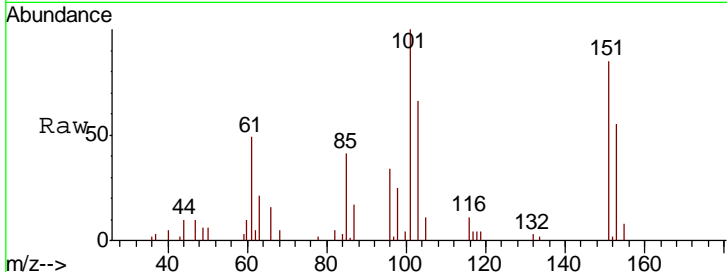
Tgt Ion	Resp	Lower	Upper
74	18282		
45	106.3	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.61 ug/l
 RT: 3.76 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

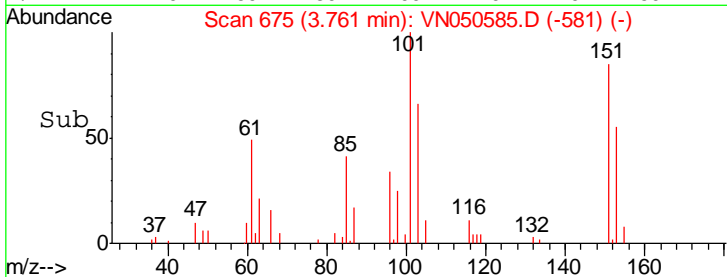
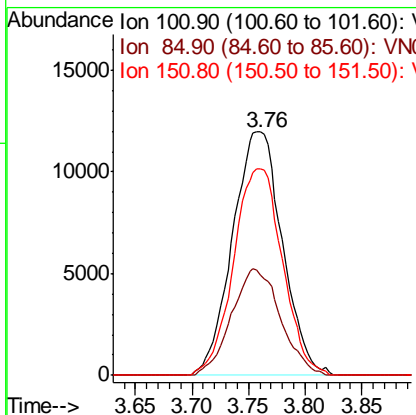


Tgt Ion: 101 Resp: 36676

Ion	Ratio	Lower	Upper
101	100		
85	43.0	33.4	50.0
151	83.2	66.6	100.0

Manual Integrations
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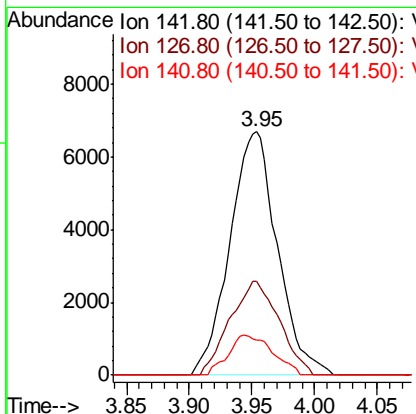
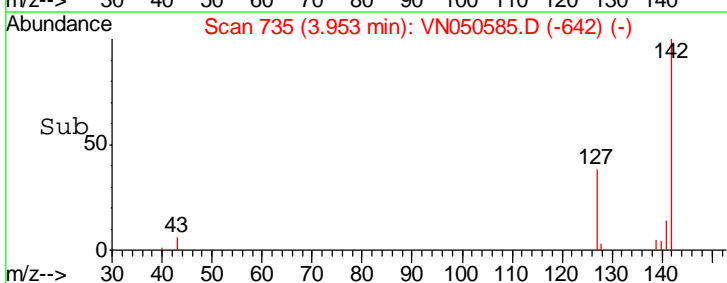
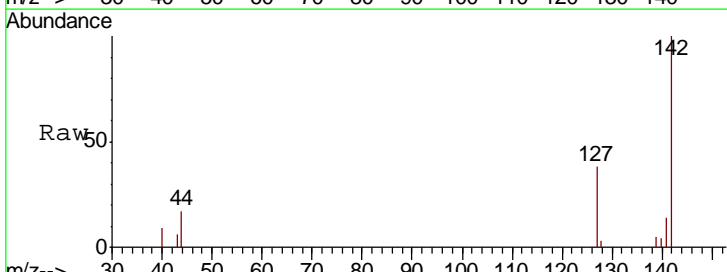
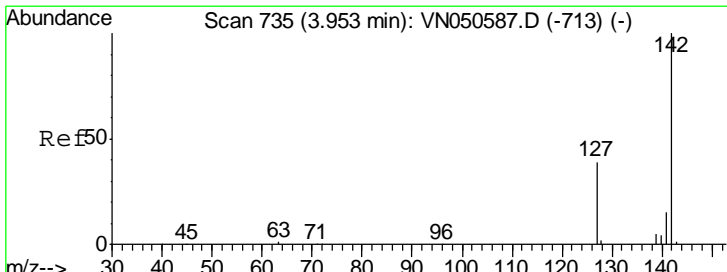
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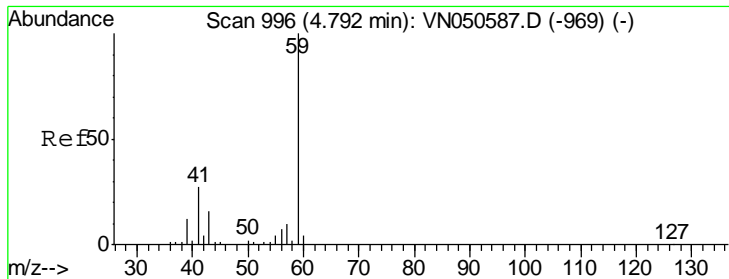


#10
 Methyl Iodide
 Concen: 5.60 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion: 142 Resp: 17667

Ion	Ratio	Lower	Upper
142	100		
127	39.5	32.6	49.0
141	15.3	11.5	17.3





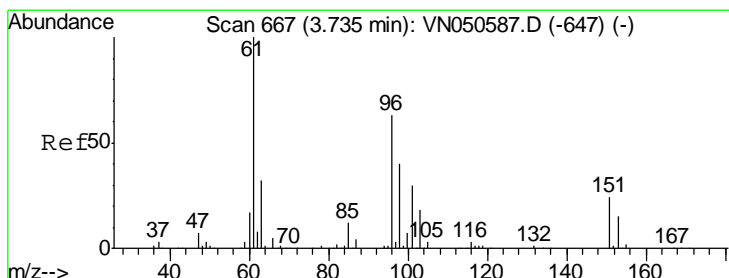
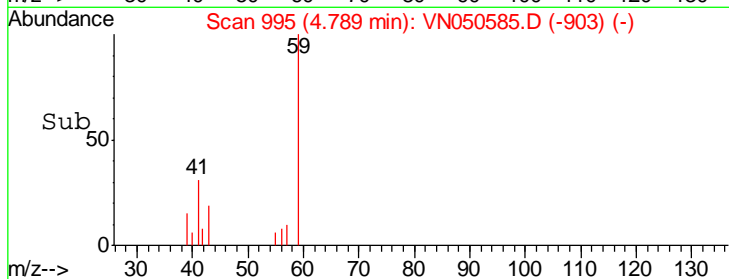
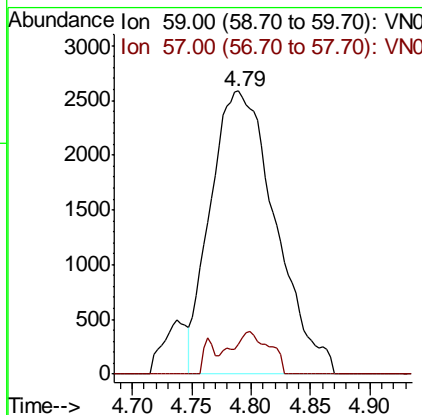
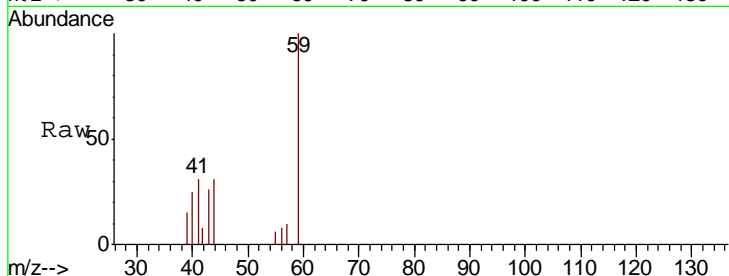
#11
 Tert butyl alcohol
 Concen: 17.22 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
59	9760		
57	8.6	8.4	12.6

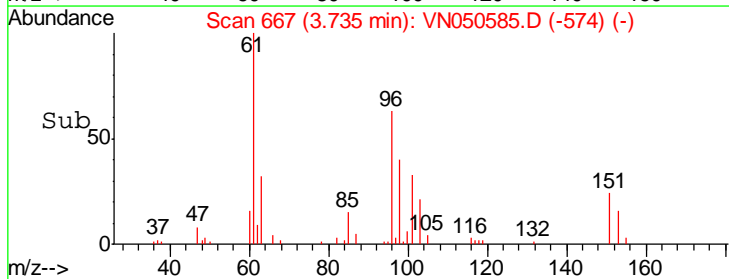
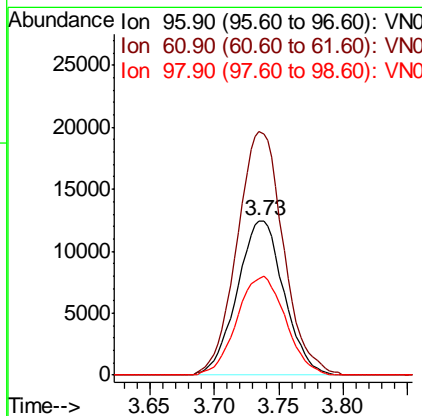
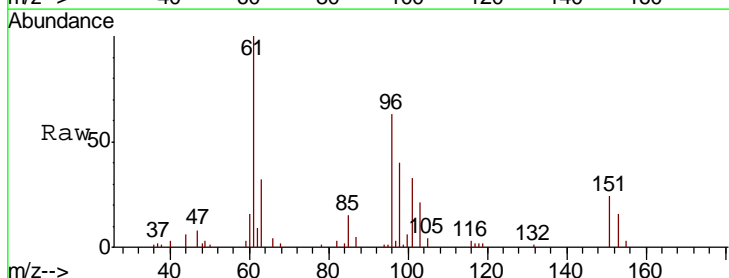
Manual Integrations
 APPROVED

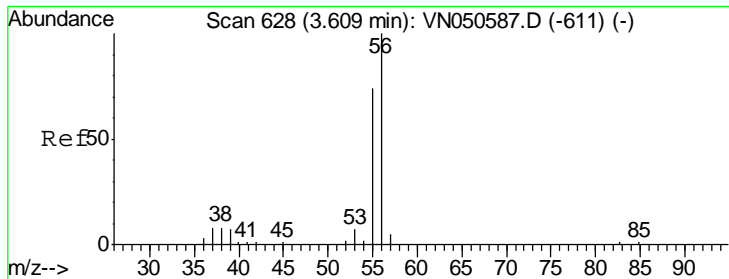
MMDadoda
 8/15/2018 3:20:57 PM



#12
 1,1-Dichloroethene
 Concen: 5.11 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
96	31433		
61	157.5	126.9	190.3
98	62.4	51.1	76.7





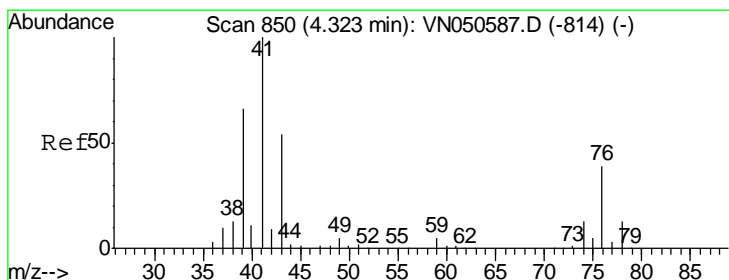
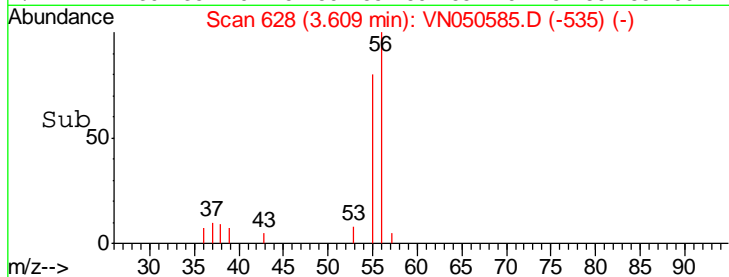
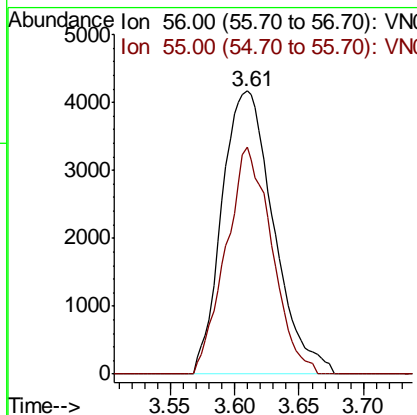
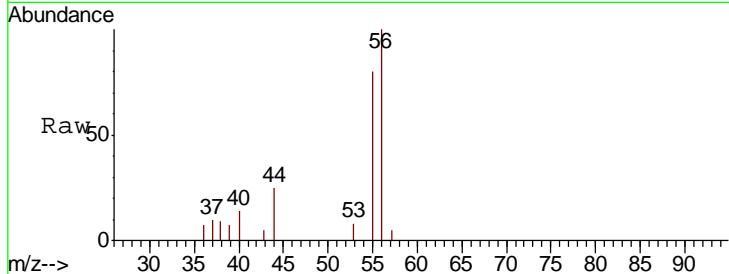
#13
 Acrolein
 Concen: 19.18 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	11633		
55	71.2	56.3	84.5

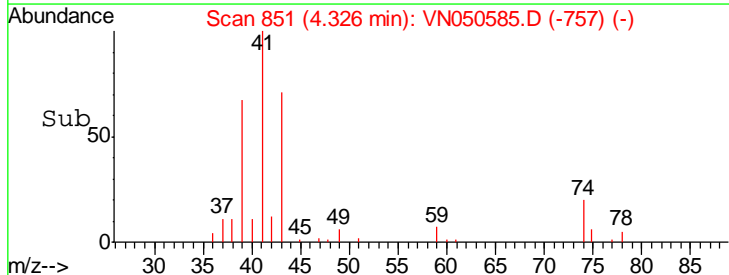
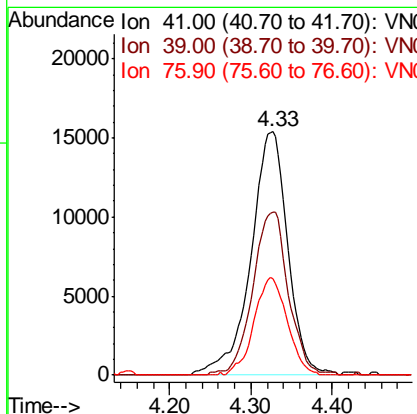
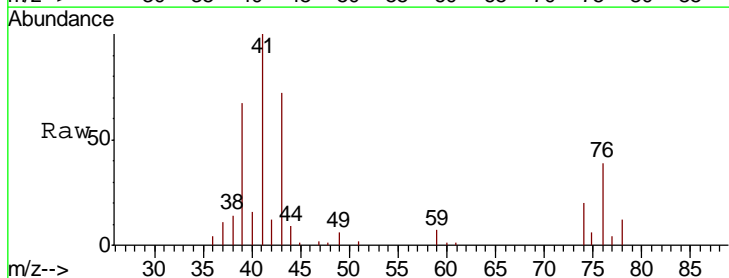
Manual Integrations
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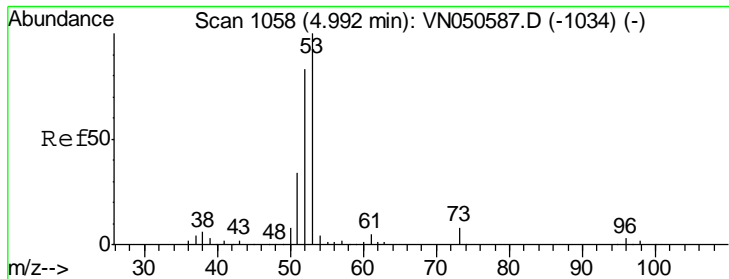
MMDadoda
 8/15/2018 3:20:57 PM



#14
 Allyl chloride
 Concen: 4.93 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
41	48278		
39	64.9	51.4	77.0
76	36.0	29.4	44.0





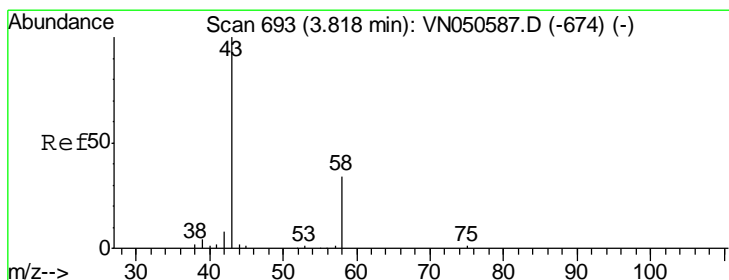
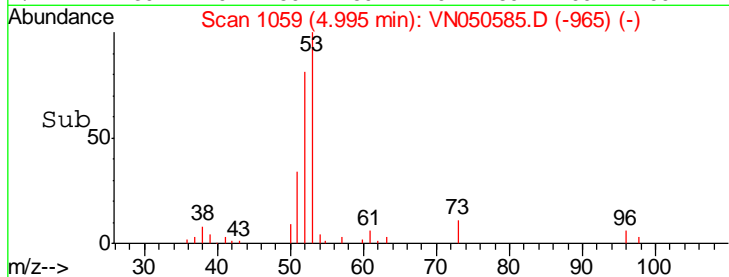
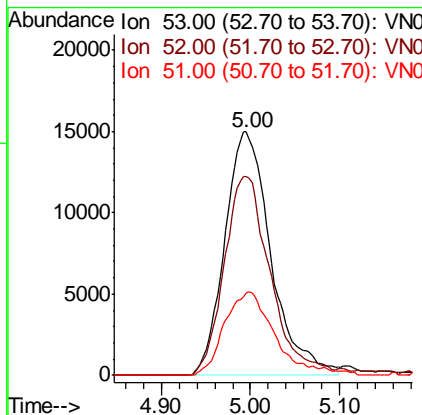
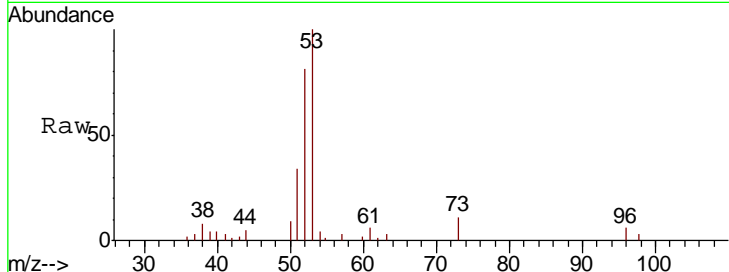
#15
 Acrylonitrile
 Concen: 21.64 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
53	53883		
52	81.3	66.2	99.2
51	36.8	28.6	43.0

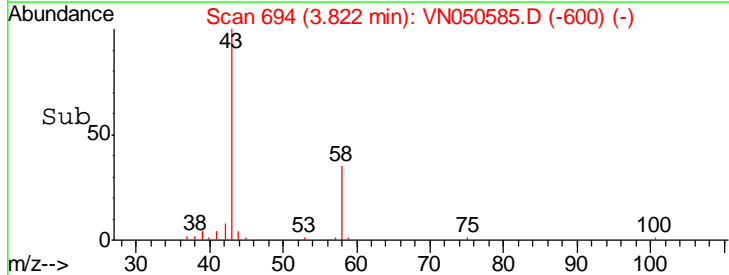
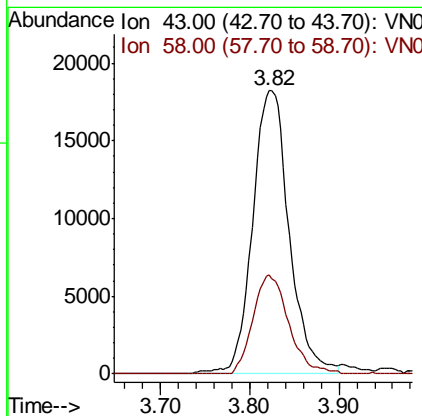
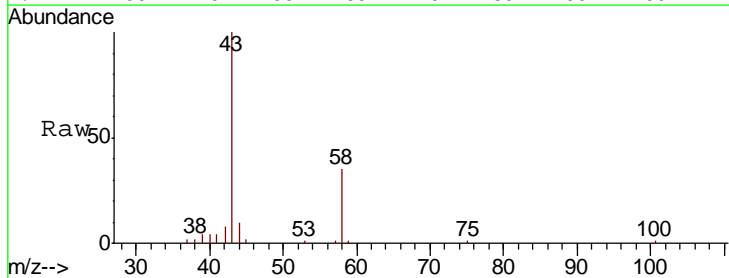
Manual Integrations
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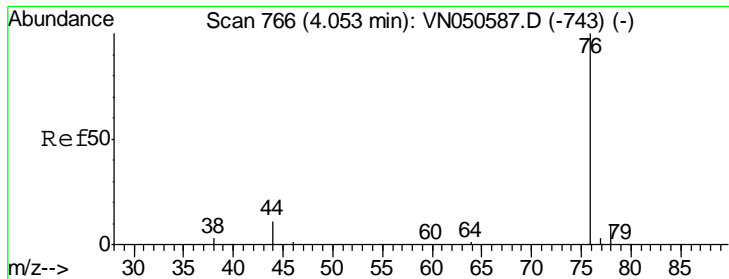
MMDadoda
 8/15/2018 3:20:57 PM



#16
 Acetone
 Concen: 21.91 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
43	52048		
58	34.8	27.1	40.7





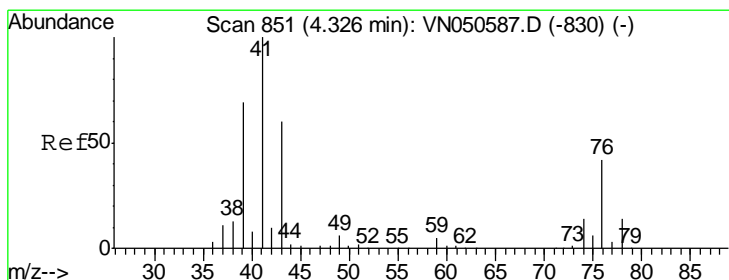
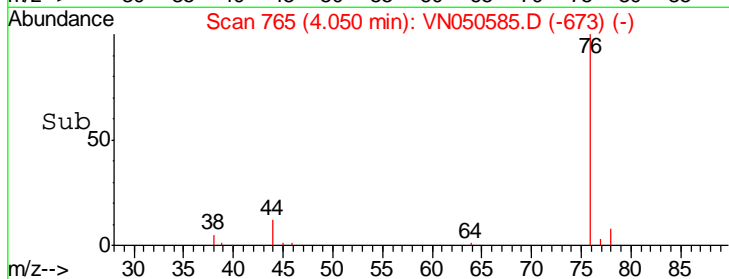
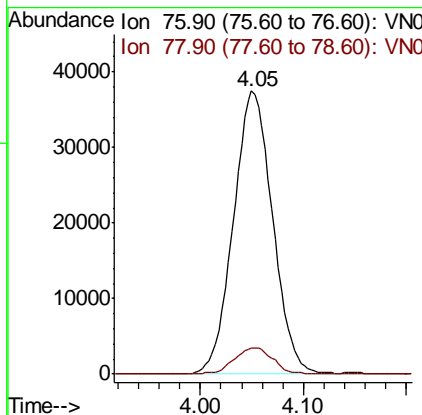
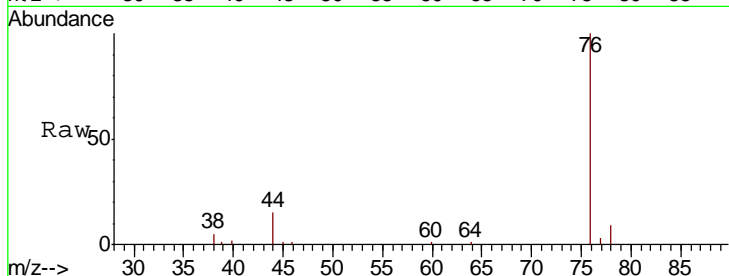
#17
 Carbon Disulfide
 Concen: 4.95 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	98952		
76	100		
78	9.1	7.3	10.9

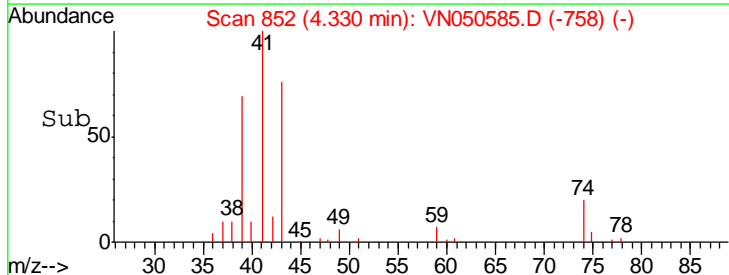
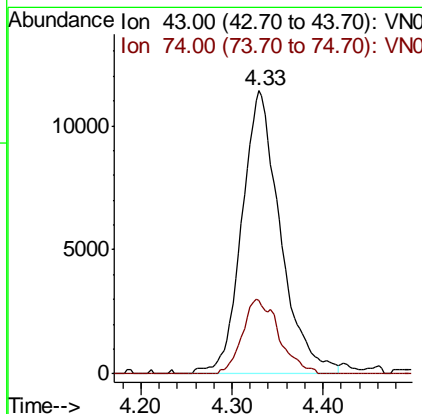
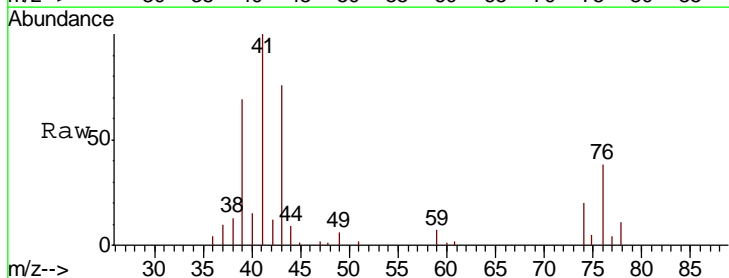
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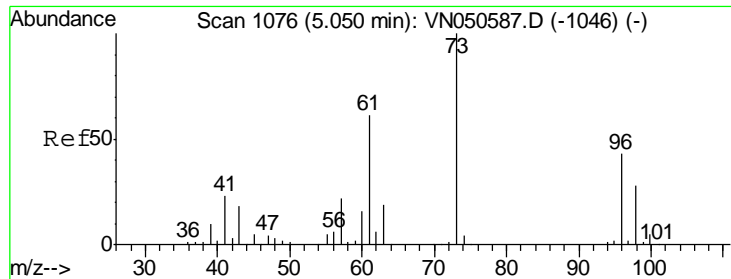
MMDadoda
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#18
 Methyl Acetate
 Concen: 4.96 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
43	33588		
43	100		
74	25.1	19.7	29.5





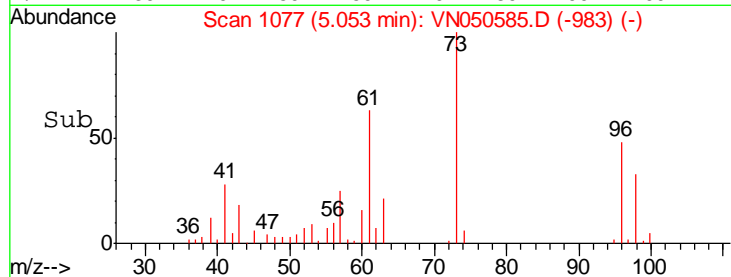
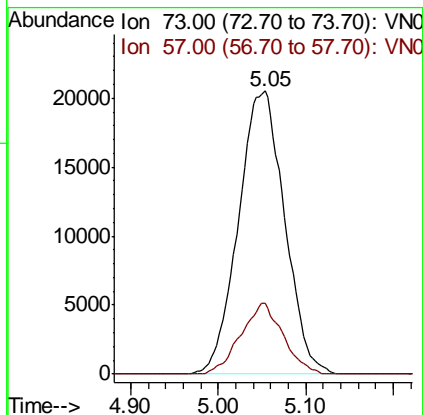
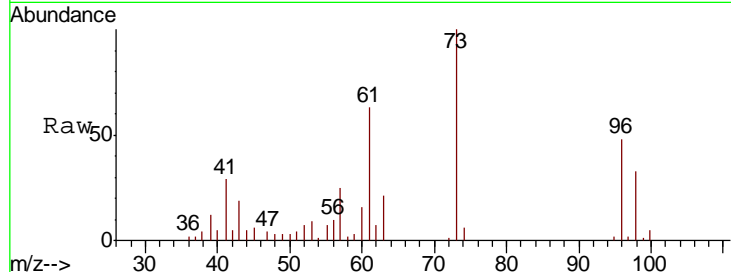
#19
 Methyl tert-butyl Ether
 Concen: 4.38 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
73	75033		
57	25.1	17.9	26.9

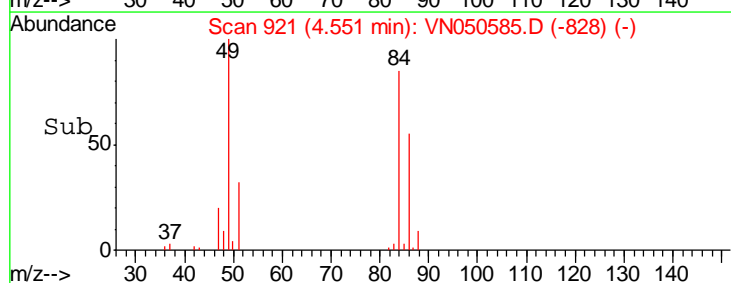
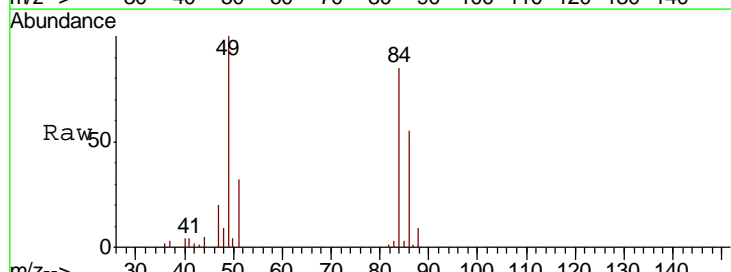
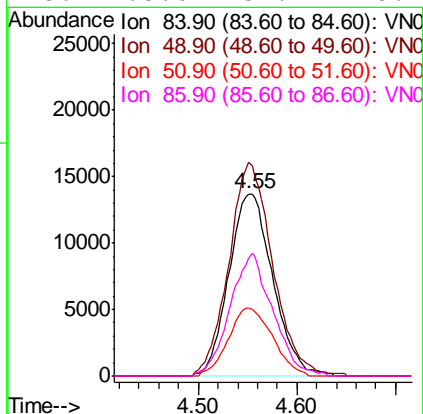
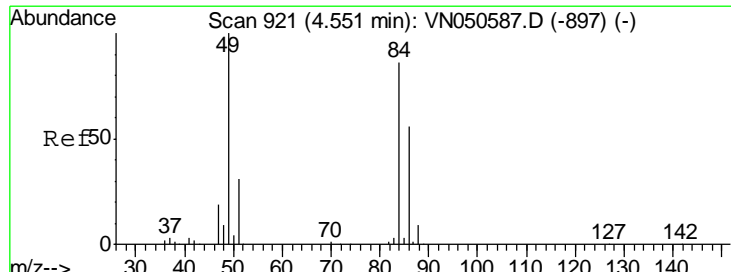
Manual Integrations
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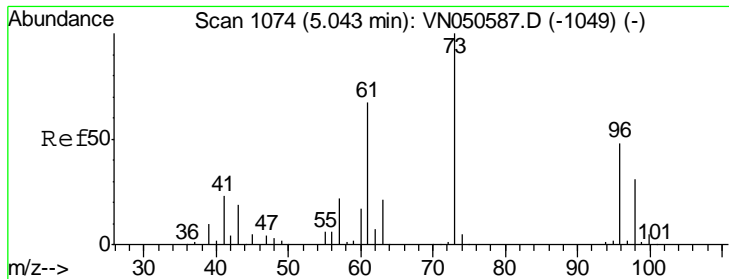
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#20
 Methylene Chloride
 Concen: 5.02 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
84	42435		
49	117.3	92.6	138.8
51	37.0	28.6	43.0
86	65.0	52.2	78.2





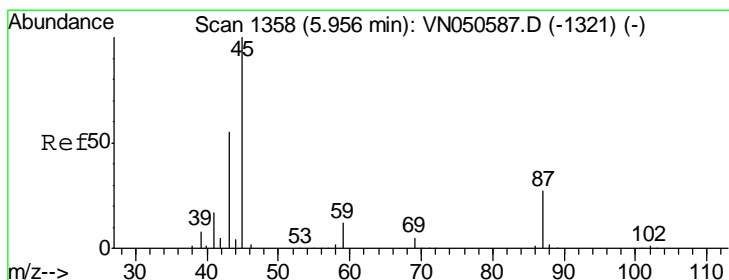
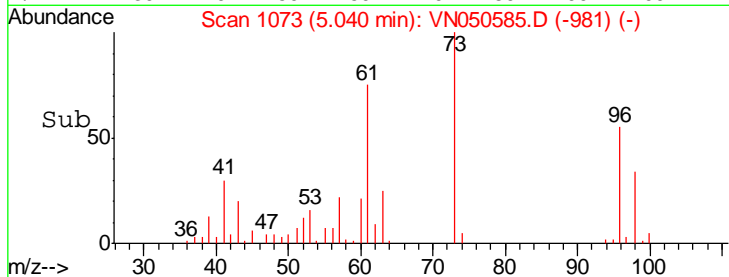
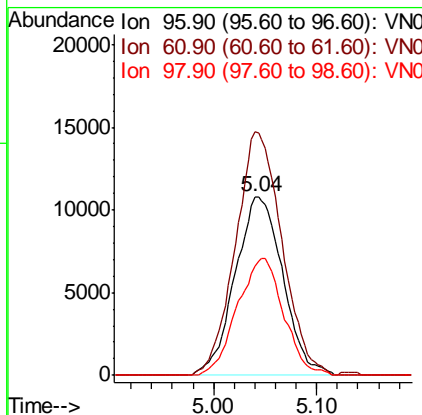
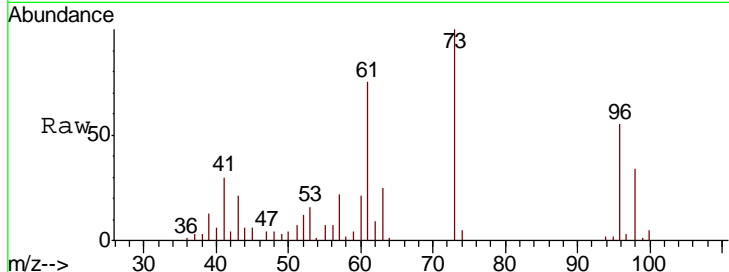
#21
 trans-1,2-Dichloroethene
 Concen: 5.21 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	34663		
96	100		
61	136.1	111.2	166.8
98	61.3	51.6	77.4

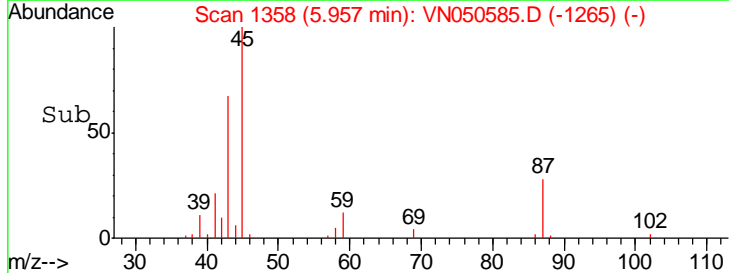
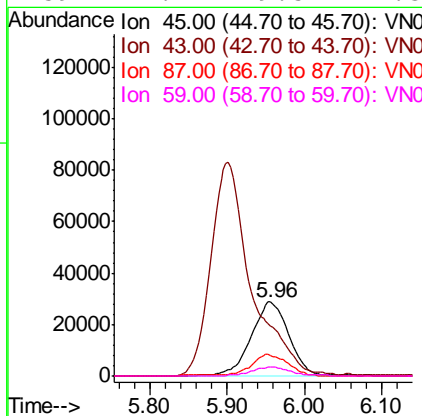
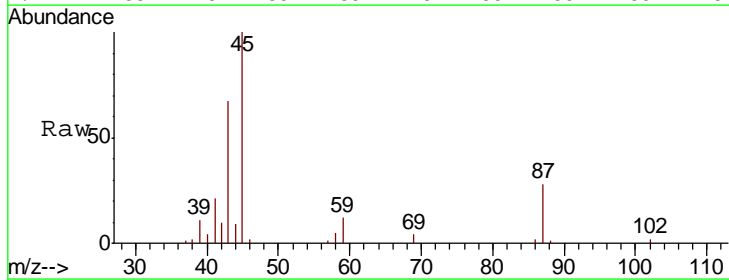
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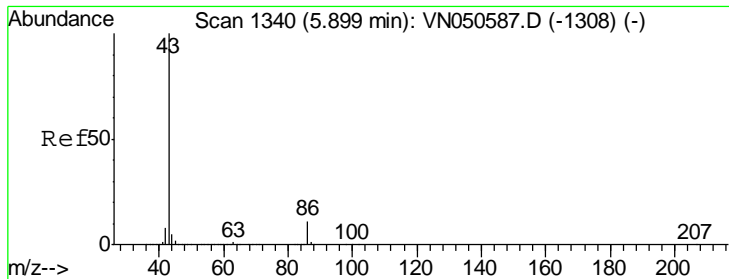
MMDadoda
 8/15/2018 3:20:57 PM



#22
 Diisopropyl ether
 Concen: 4.88 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
45	97948		
45	100		
43	64.8	44.5	66.7
87	27.8	22.2	33.2
59	12.4	9.5	14.3





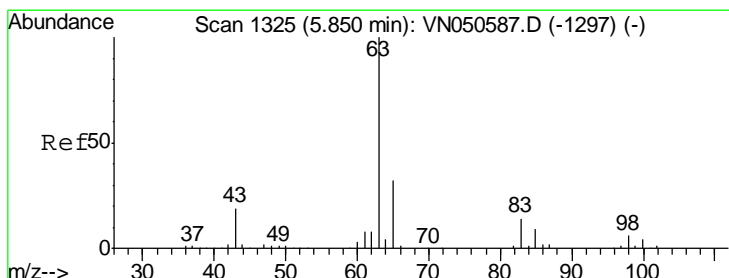
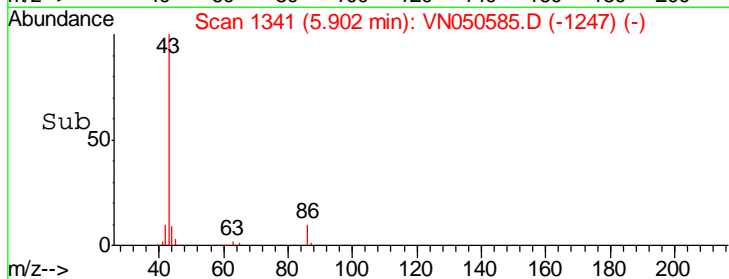
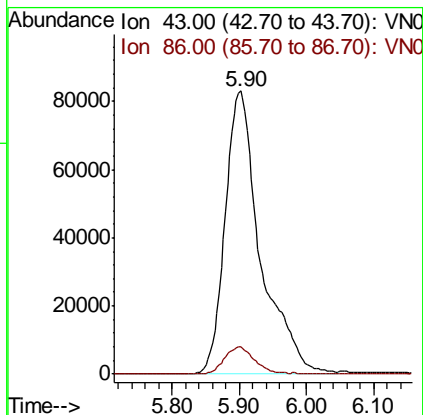
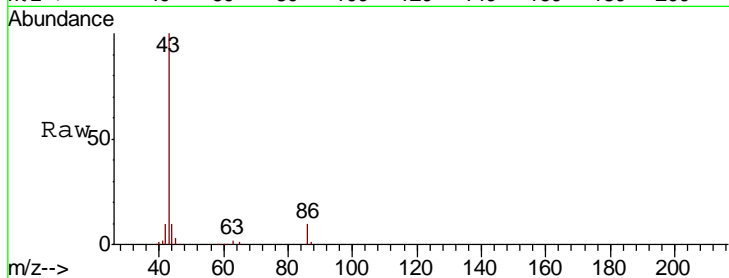
#23
 Vinyl Acetate
 Concen: 21.52 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	43	86	Resp	303684
Ion Ratio	100	9.7	Lower	Upper
			8.4	12.6

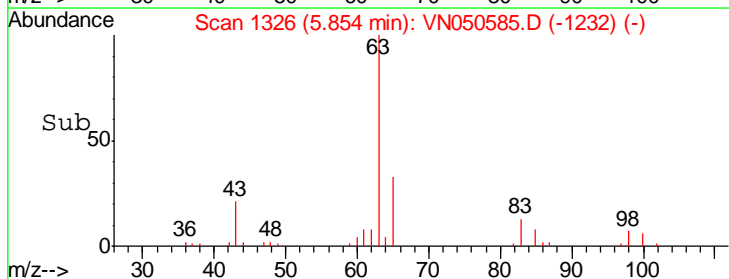
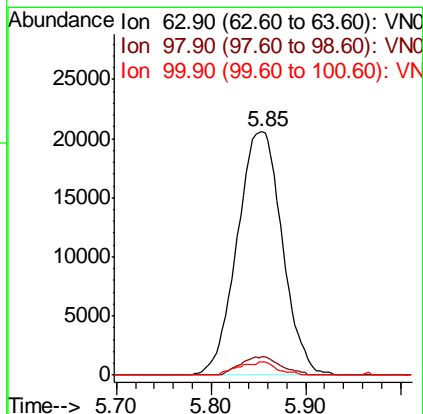
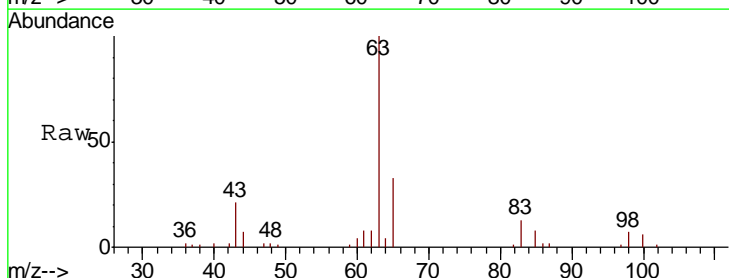
Manual Integrations
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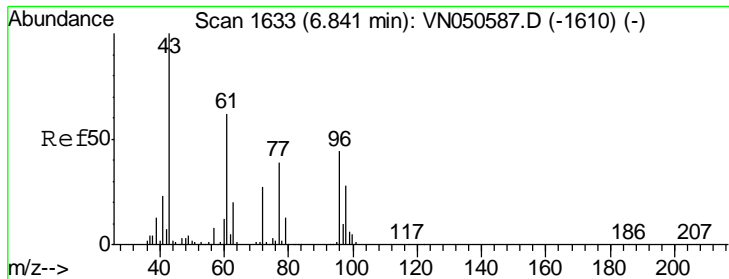
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 5.49 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	63	98	100	Resp	67886
Ion Ratio	100	7.4	5.6	Lower	Upper
		3.2	2.1	9.6	6.5





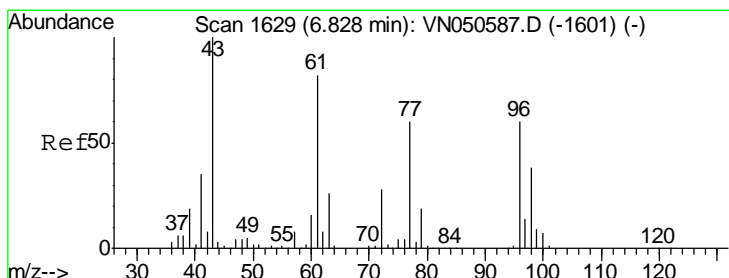
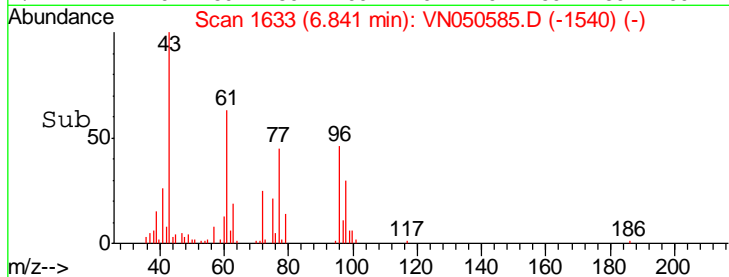
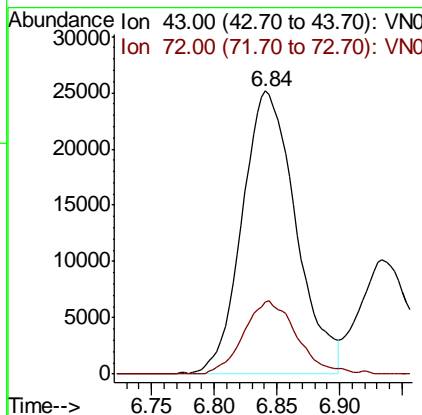
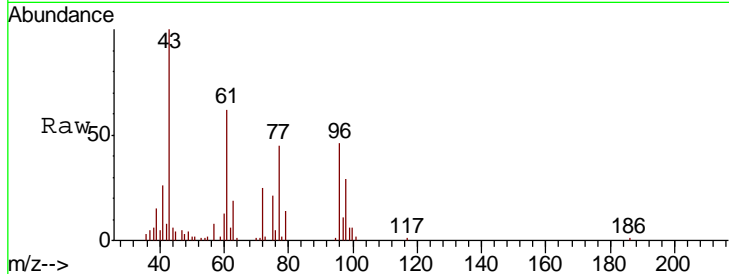
#25
 2-Butanone
 Concen: 20.83 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
72	25.3	21.8	32.6

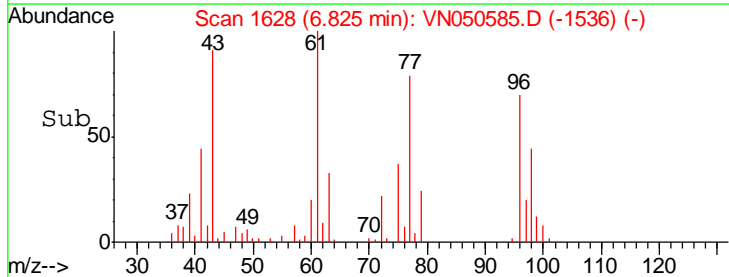
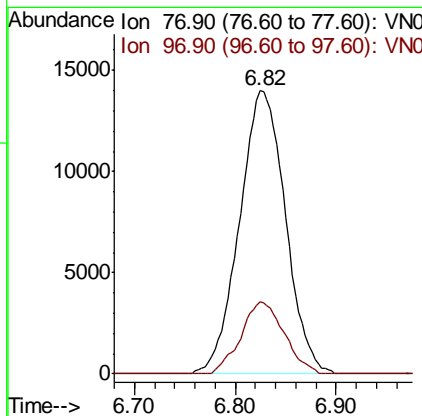
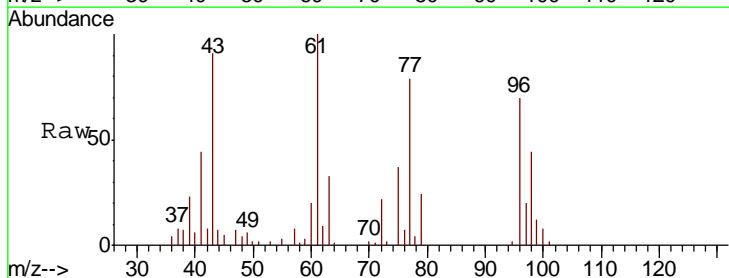
Manual Integrations
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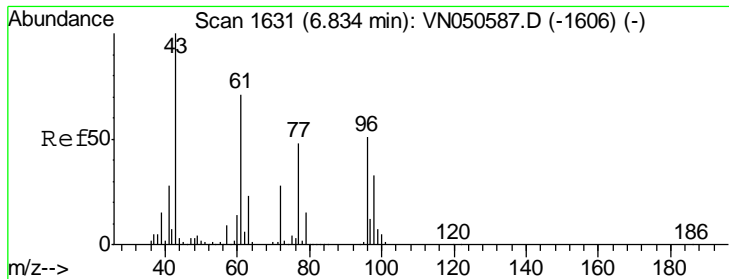
MMDadoda
 8/15/2018 3:20:57 PM



#26
 2,2-Dichloropropane
 Concen: 4.47 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.0	12.2	36.4





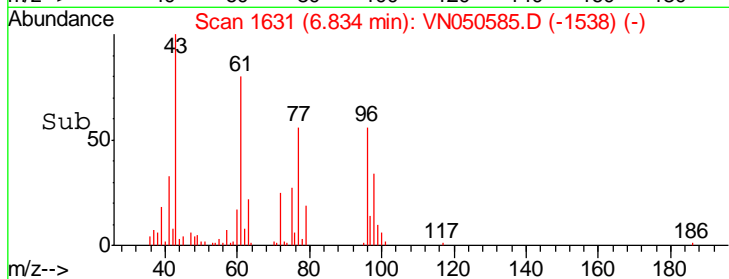
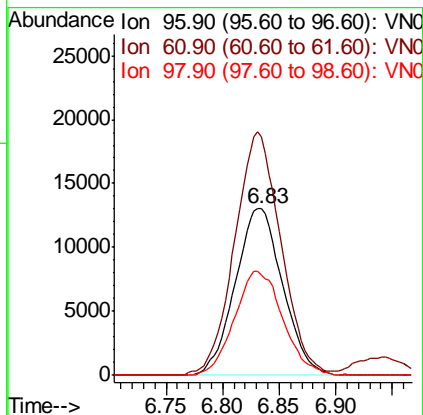
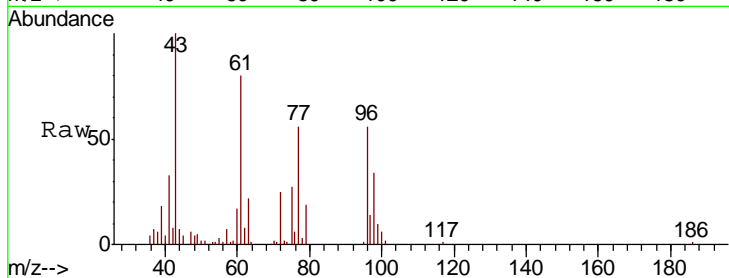
#27
 cis-1,2-Dichloroethene
 Concen: 5.17 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
96	38030		
96	100		
61	142.2	0.0	278.2
98	63.7	0.0	128.8

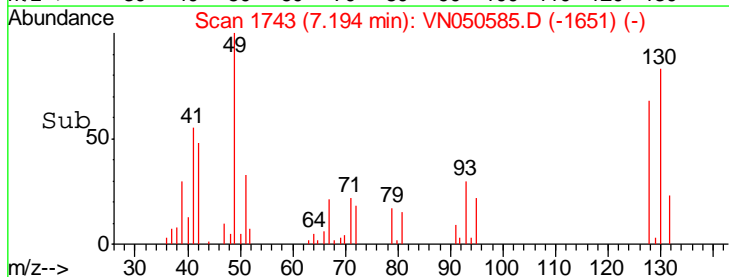
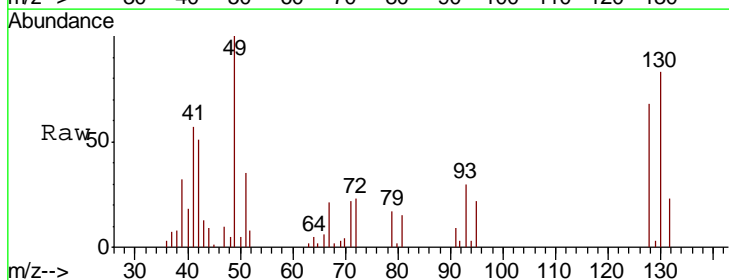
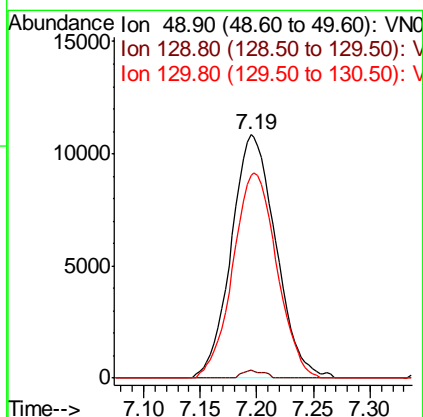
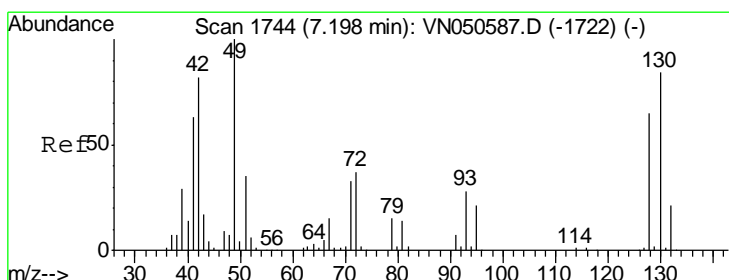
Manual Integrations
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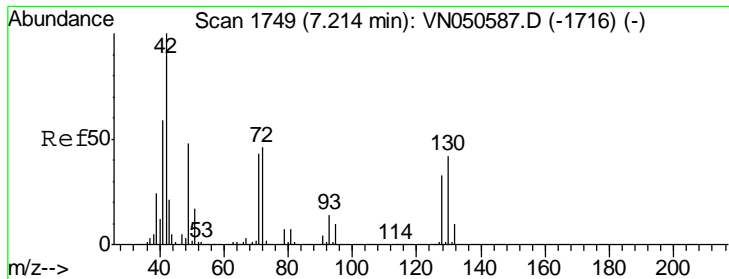
MMDadoda
 8/15/2018 3:20:57 PM



#28
 Bromochloromethane
 Concen: 5.22 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
49	29728		
49	100		
129	1.5	0.0	4.2
130	82.8	66.8	100.2





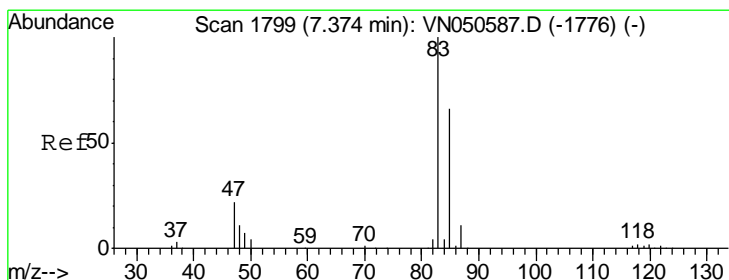
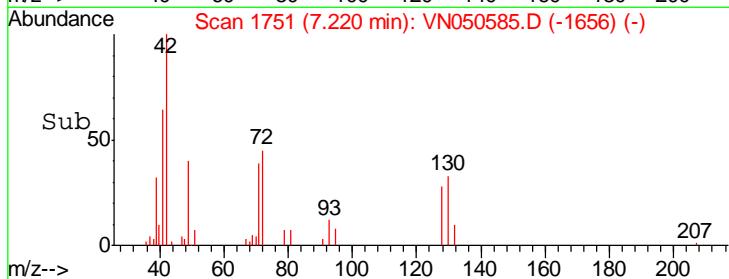
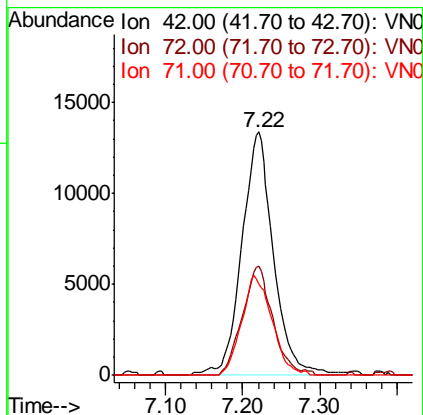
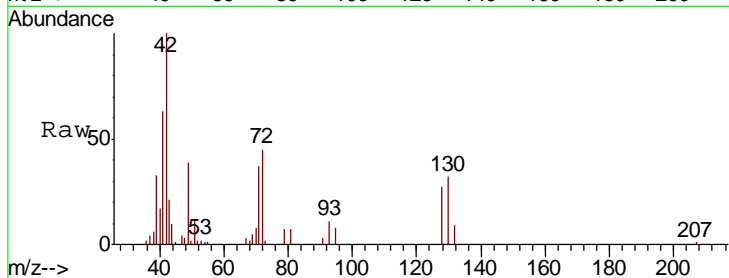
#29
 Tetrahydrofuran
 Concen: 19.63 ug/l
 RT: 7.22 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
42	38089		
42	100		
72	42.5	35.8	53.6
71	39.1	33.4	50.0

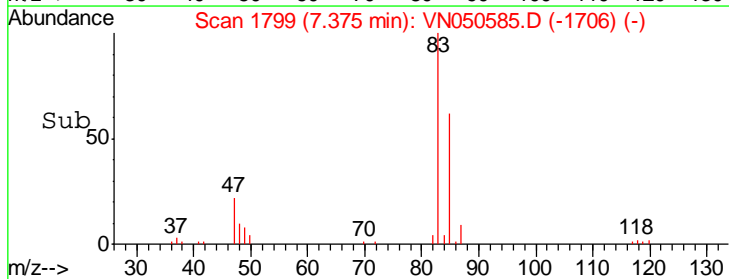
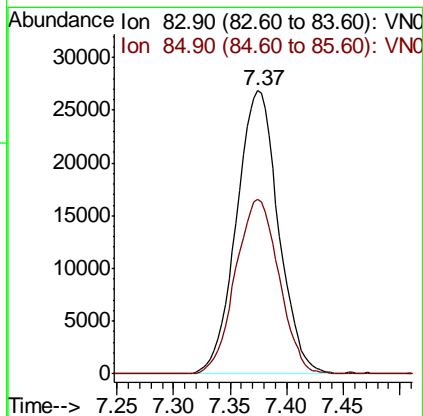
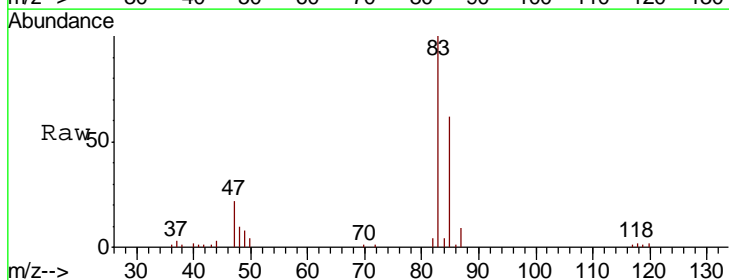
Manual Integrations
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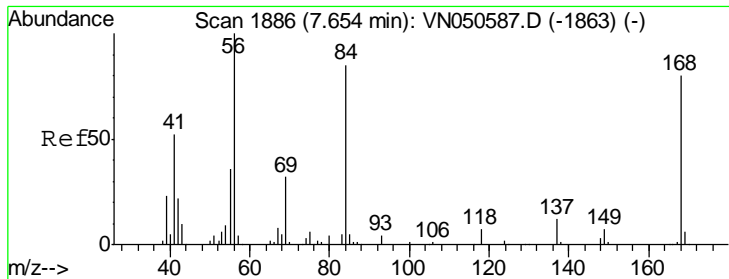
MMDadoda
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#30
 Chloroform
 Concen: 5.60 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
83	69236		
83	100		
85	61.8	52.5	78.7





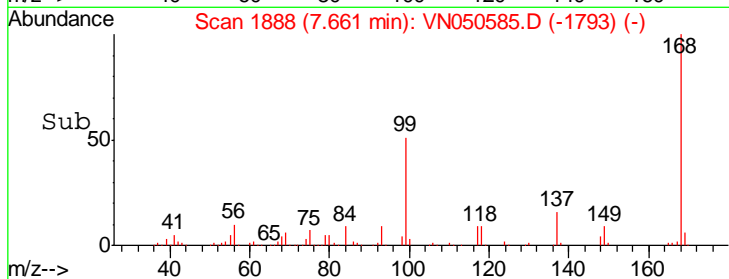
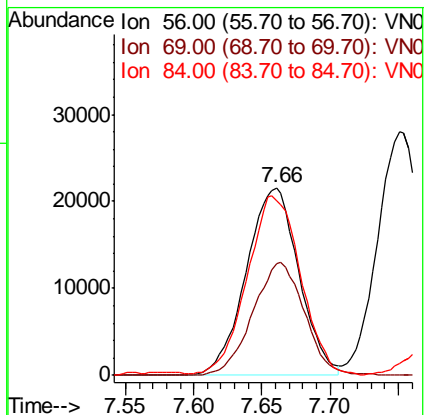
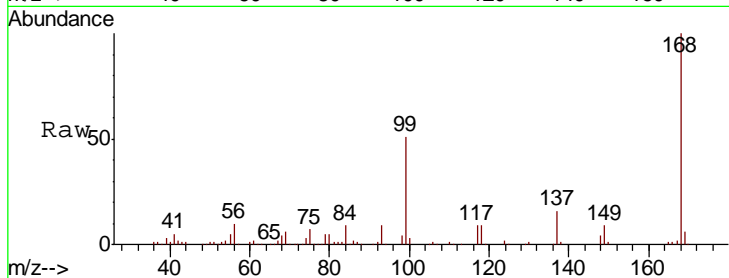
#31
 Cyclohexane
 Concen: 4.67 ug/l
 RT: 7.66 min Scan# 1888
 Delta R.T. 0.01 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
56	100		
69	59.6	25.8	38.6
84	92.4	67.8	101.6

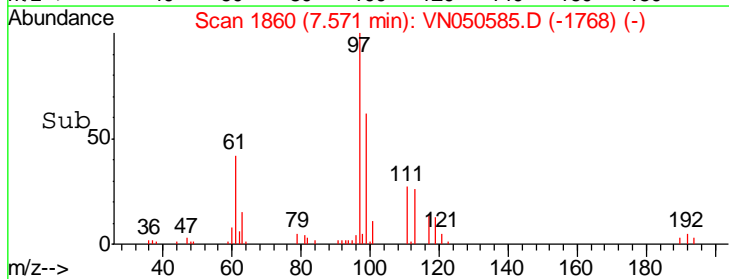
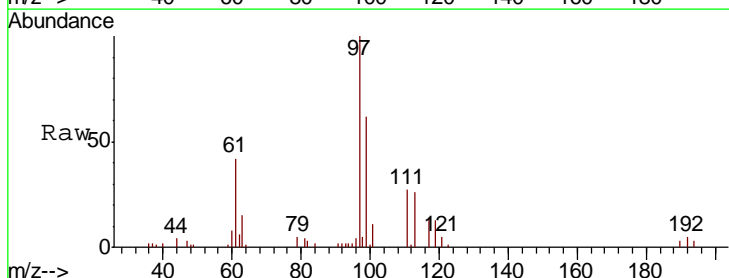
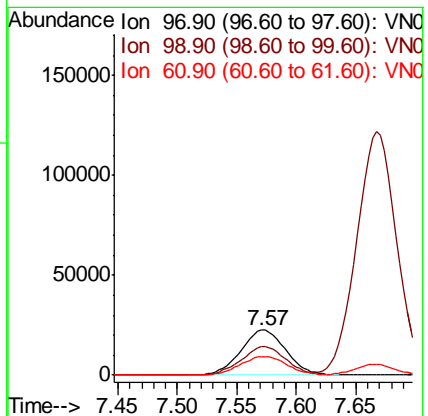
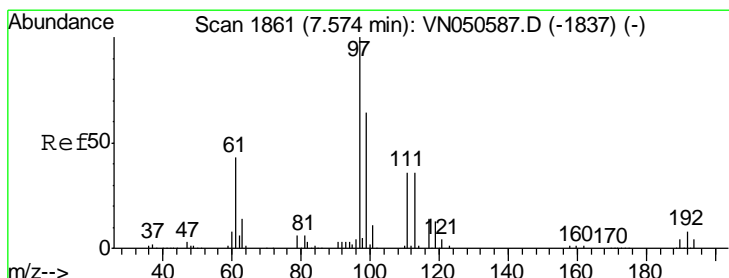
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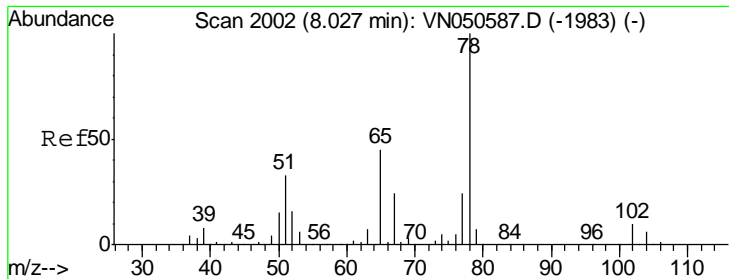
MMDadoda
 8/15/2018 3:20:57 PM



#32
 1,1,1-Trichloroethane
 Concen: 5.57 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.2	51.1	76.7
61	42.9	34.8	52.2





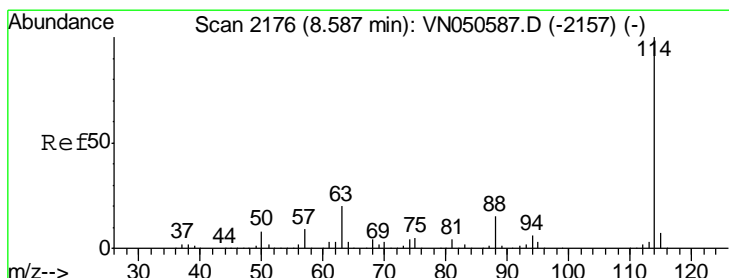
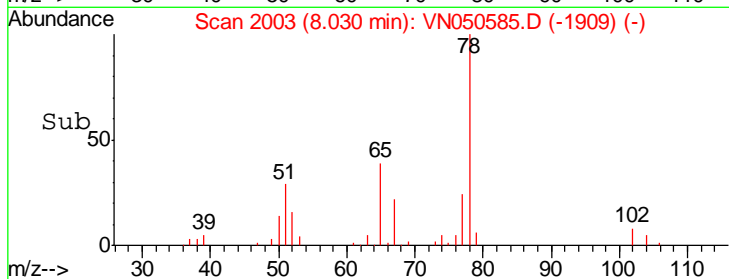
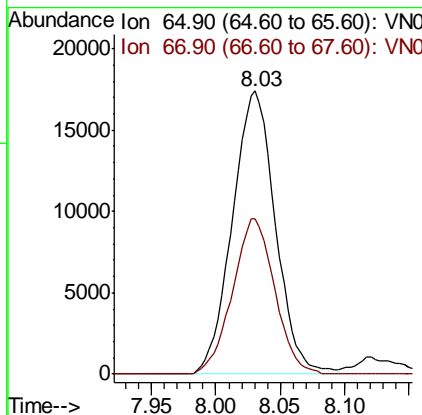
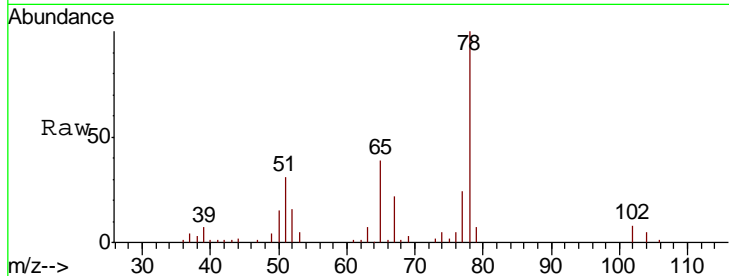
#33
 1,2-Dichloroethane-d4
 Concen: 5.35 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
65	40386		
65	100		
67	53.7	0.0	109.8

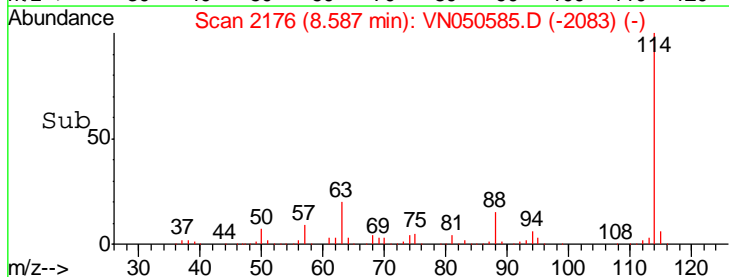
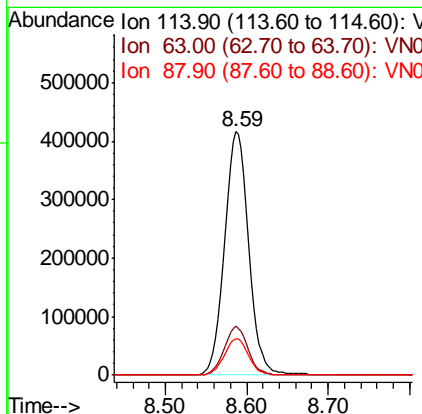
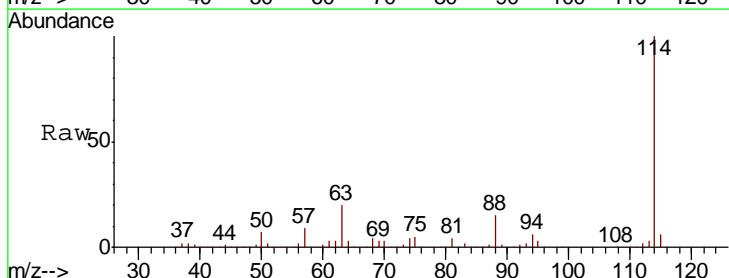
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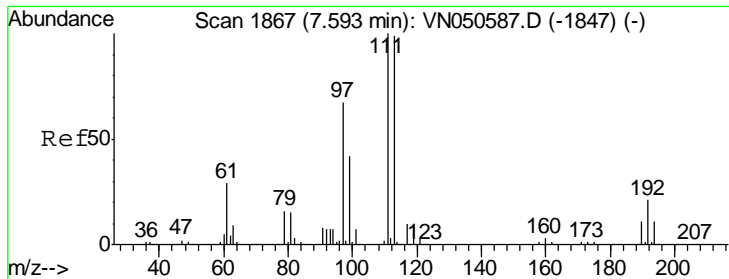
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

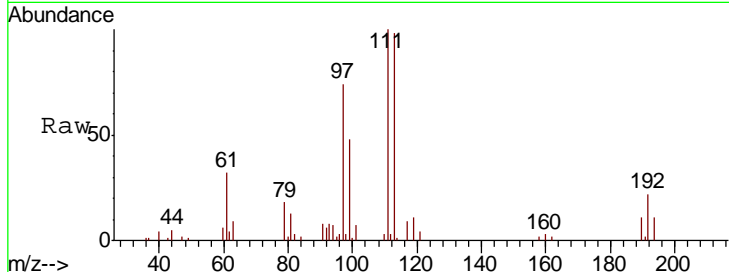
Tgt Ion	Resp	Lower	Upper
114	873040		
114	100		
63	20.0	0.0	40.0
88	14.9	0.0	30.8





#35
 Dibromofluoromethane
 Concen: 5.32 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

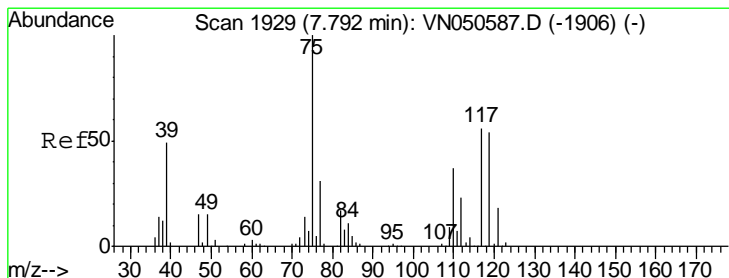
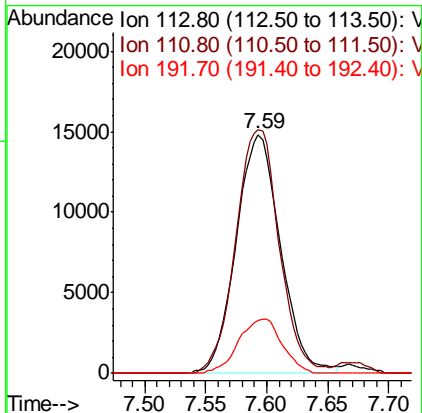
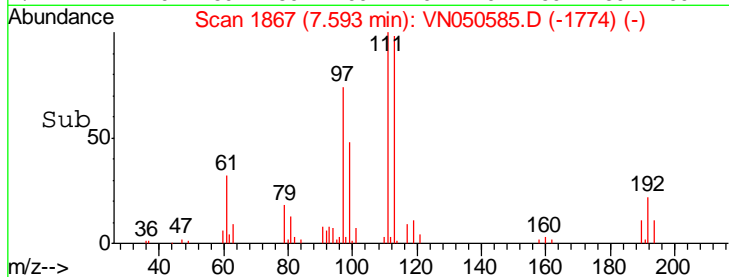
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005



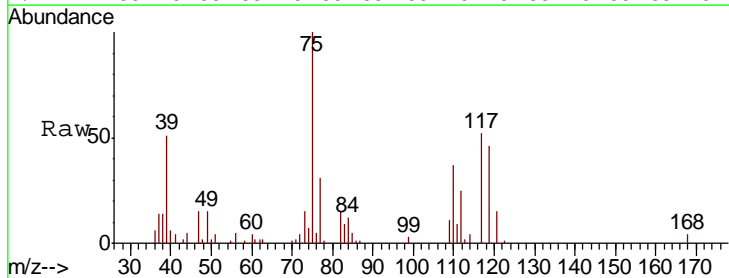
Tgt Ion: 113 Resp: 37283

Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.0	121.6
192	22.3	17.6	26.4

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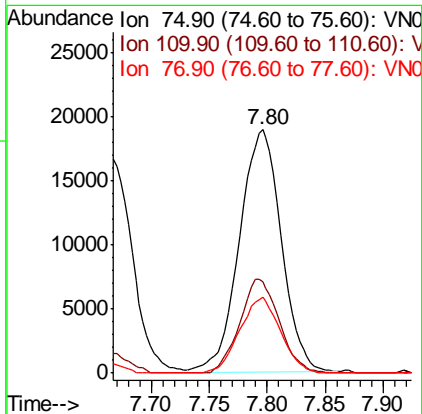
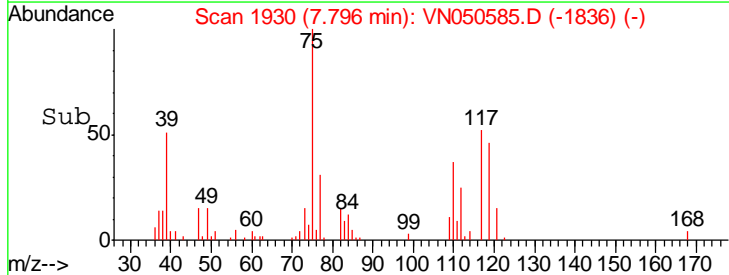


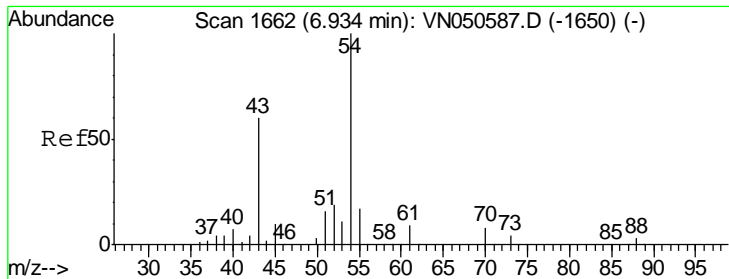
#36
 1,1-Dichloropropene
 Concen: 4.93 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11



Tgt Ion: 75 Resp: 47178

Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.3	54.9
77	30.6	25.0	37.4





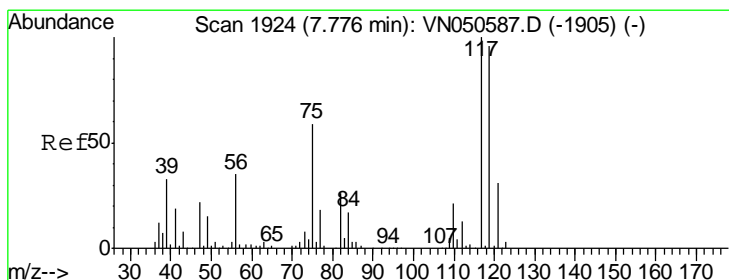
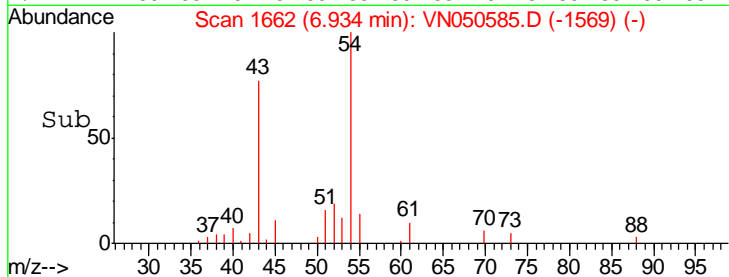
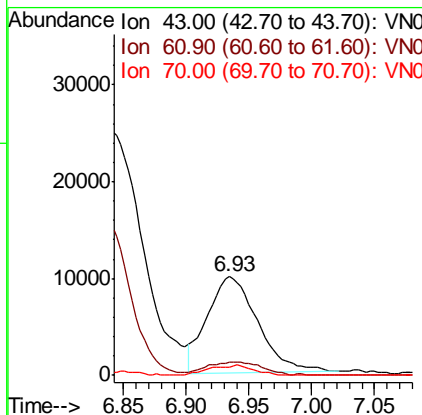
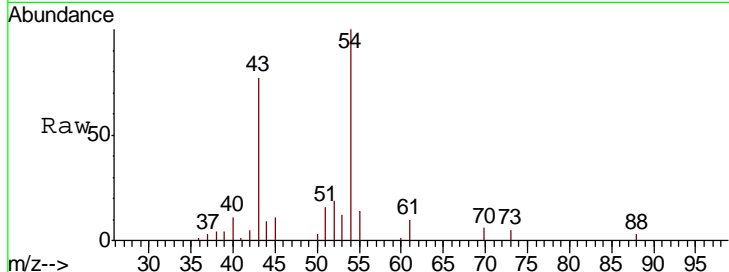
#37
Ethyl Acetate
Concen: 4.22 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
61	15.4	12.0	18.0
70	4.6	8.5	12.7#

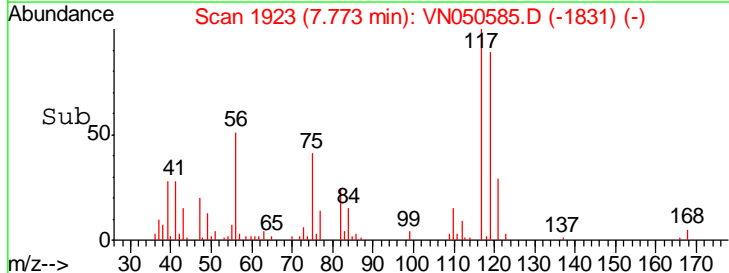
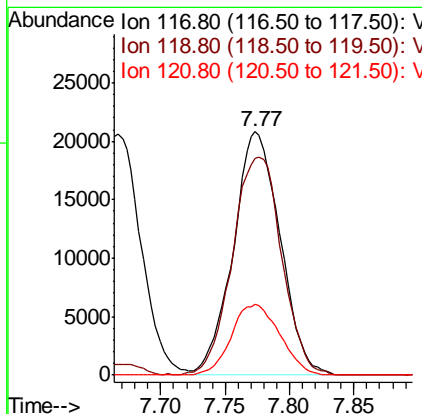
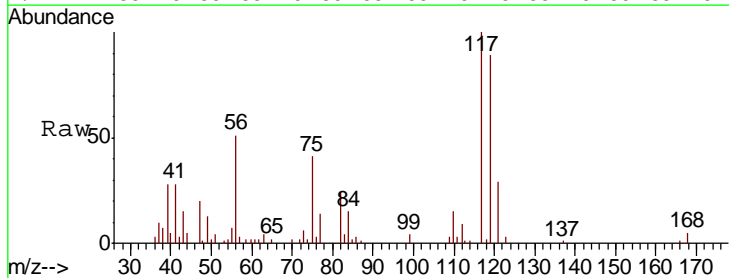
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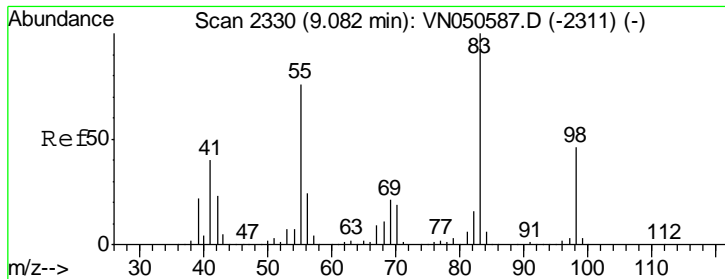
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.28 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050585.D
Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
117	100		
119	89.1	76.6	115.0
121	29.1	25.0	37.6





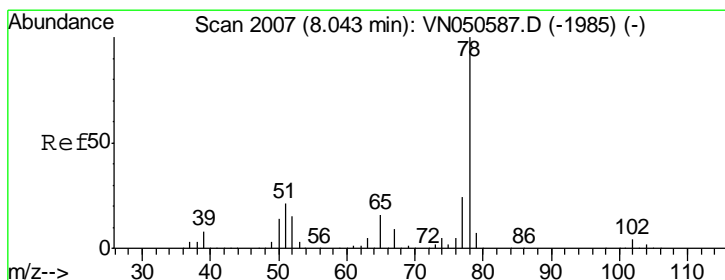
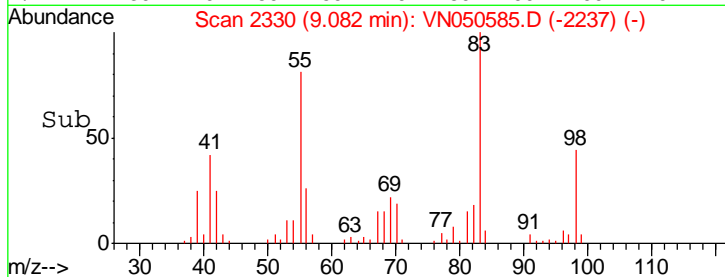
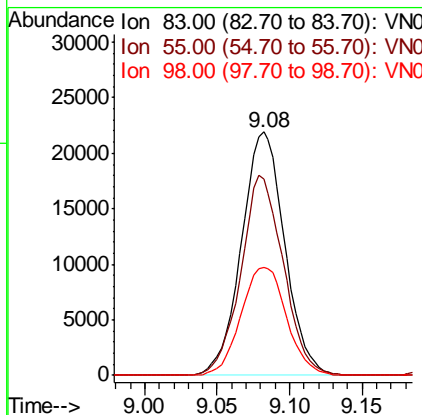
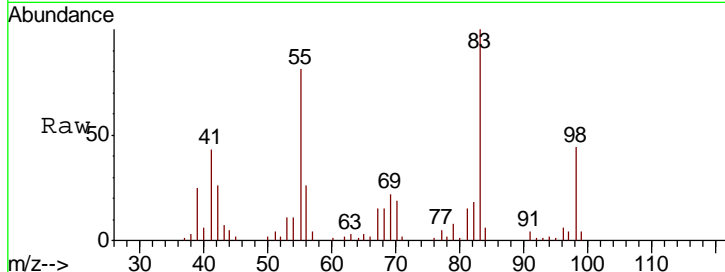
#39
 Methylcyclohexane
 Concen: 4.34 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampleId : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	45351		
83	100		
55	80.6	60.6	91.0
98	44.3	37.0	55.4

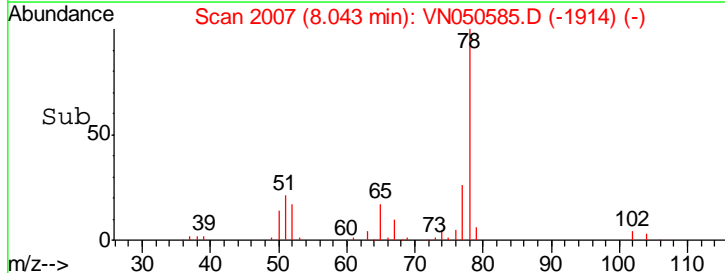
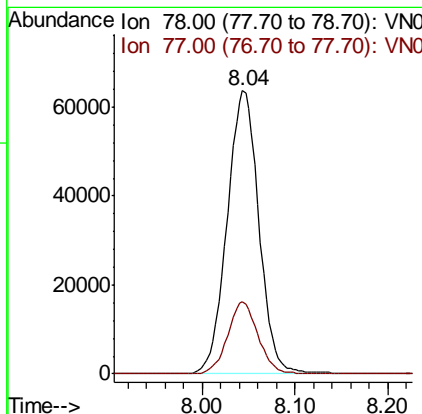
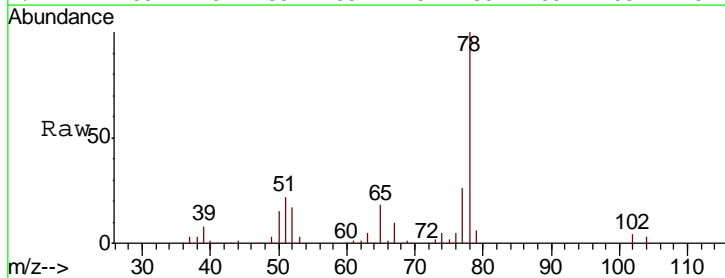
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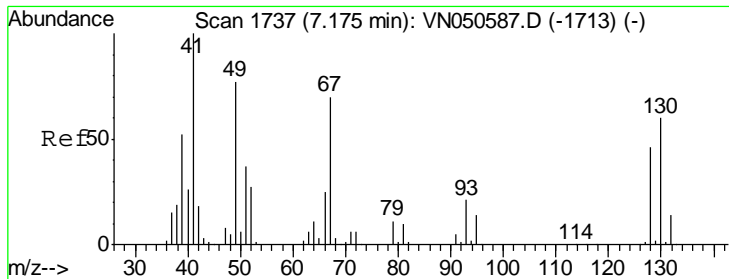
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#40
 Benzene
 Concen: 5.14 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
78	151535		
78	100		
77	25.6	19.0	28.6





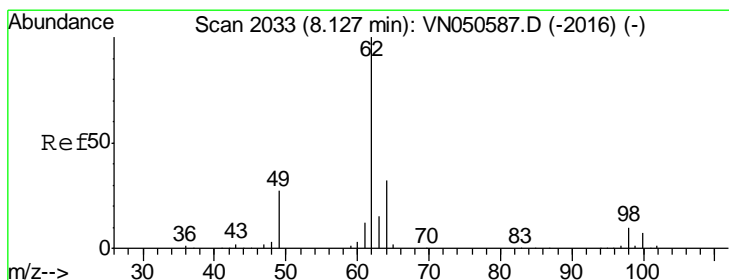
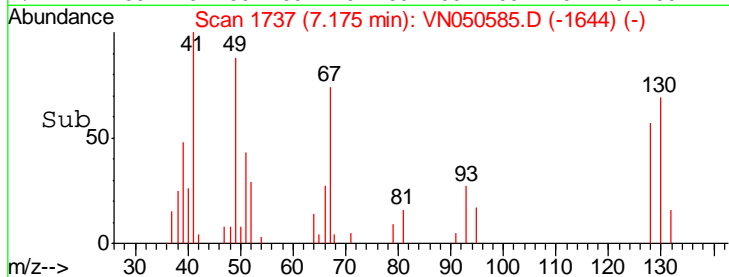
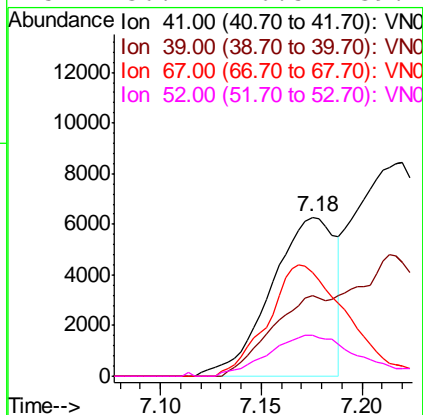
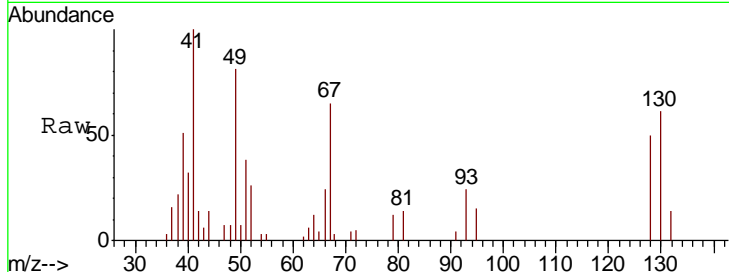
#41
 Methacrylonitrile
 Concen: 3.88 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
41	100		
39	42.2	44.6	66.8#
67	86.5	66.7	100.1
52	36.4	26.5	39.7

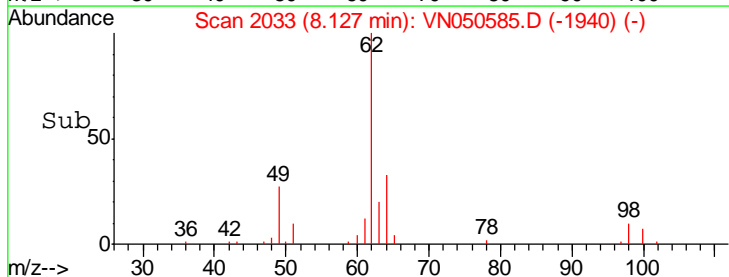
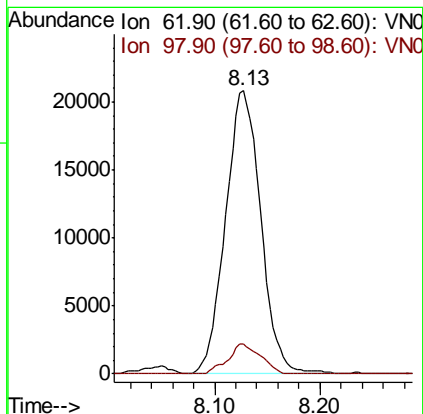
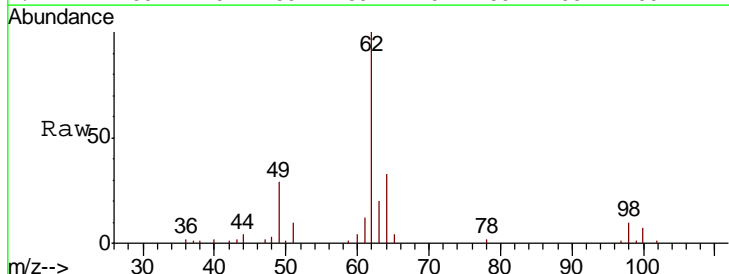
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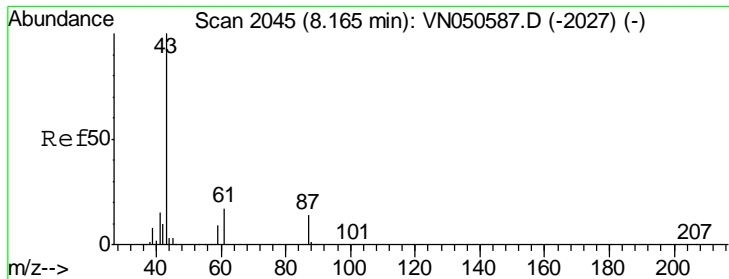
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#42
 1,2-Dichloroethane
 Concen: 5.21 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.7	0.0	19.4





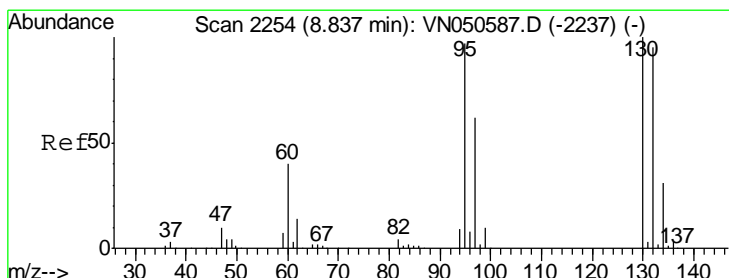
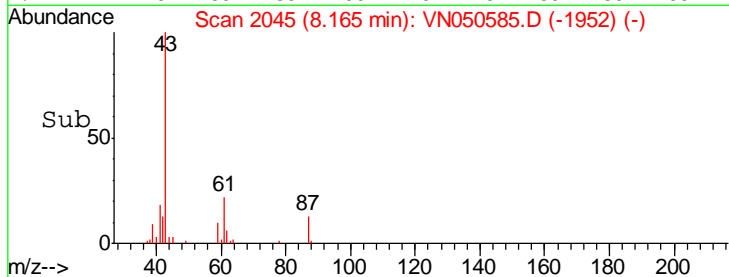
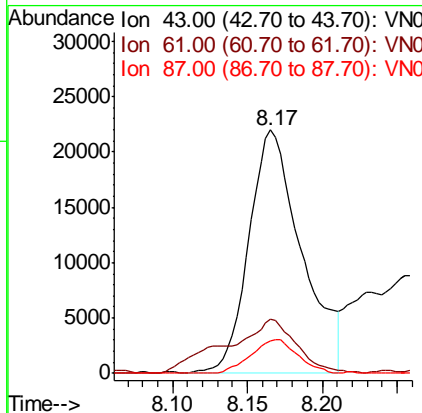
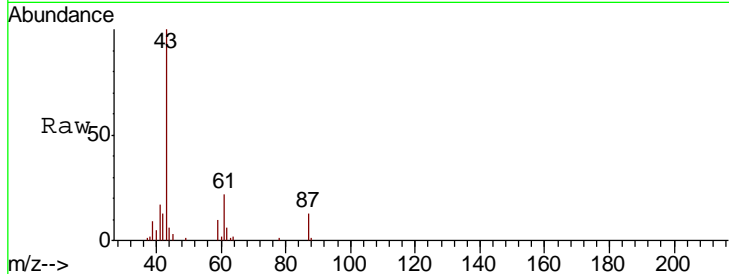
#43
 Isopropyl Acetate
 Concen: 4.65 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VN050585.D
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.7	16.2	24.2
87	12.2	10.9	16.3

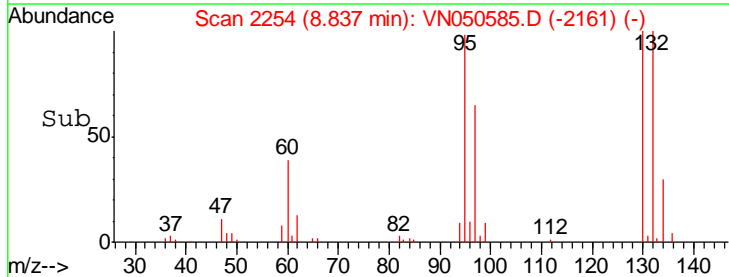
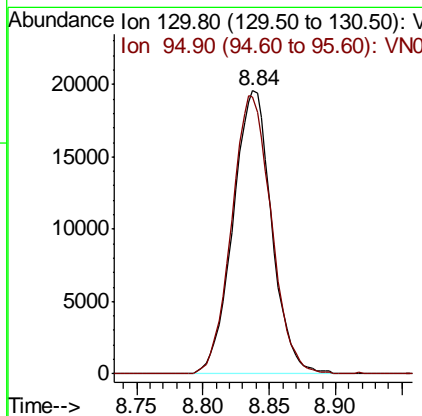
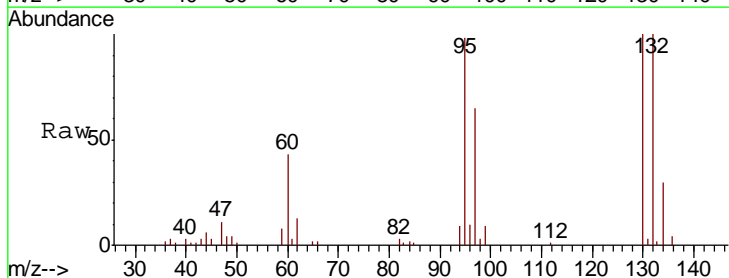
Manual Integrations
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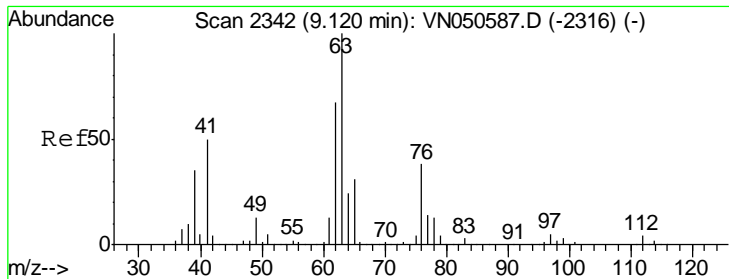
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#44
 Trichloroethene
 Concen: 5.00 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
130	100		
95	98.1	0.0	193.8





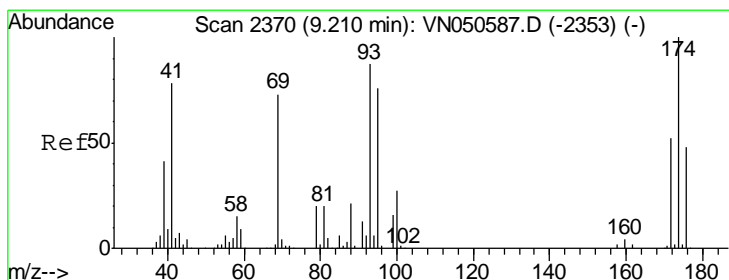
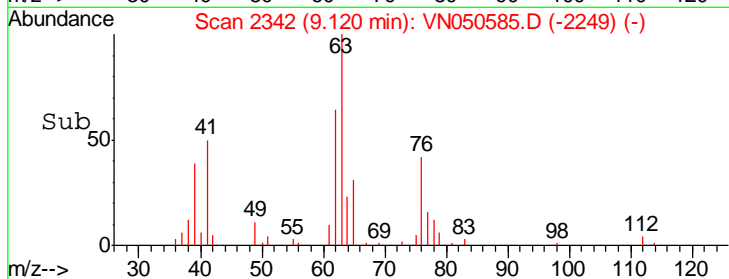
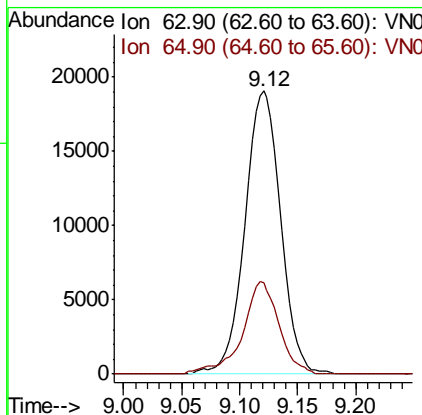
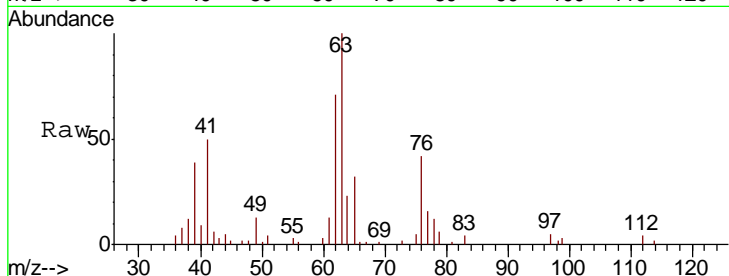
#45
 1,2-Dichloropropane
 Concen: 5.29 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
63	40974		
63	100		
65	32.2	24.5	36.7

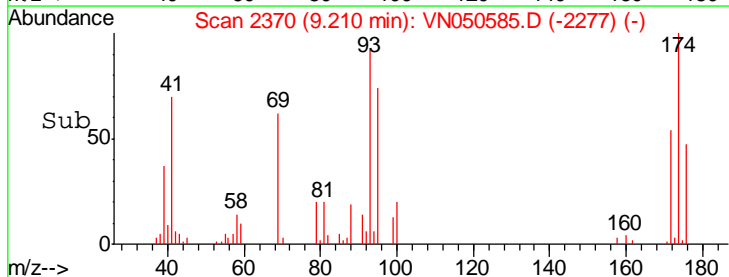
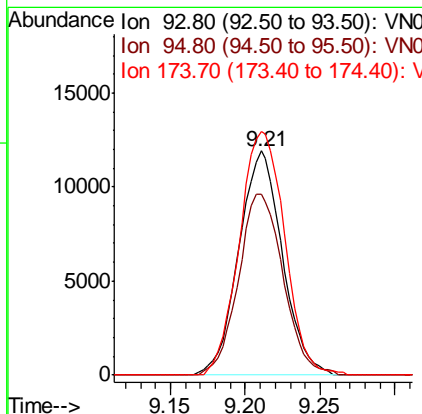
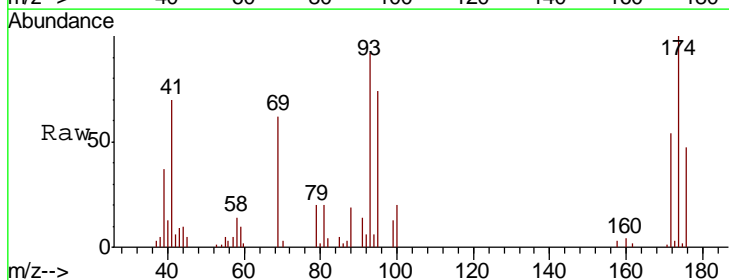
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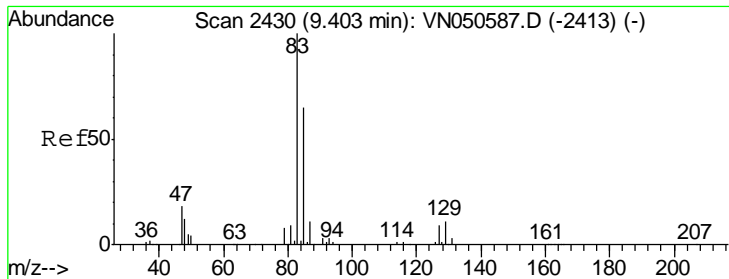
MMDadoda
 8/15/2018 3:20:57 PM



#46
 Dibromomethane
 Concen: 5.11 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
93	24196		
93	100		
95	82.8	69.1	103.7
174	112.7	91.0	136.6





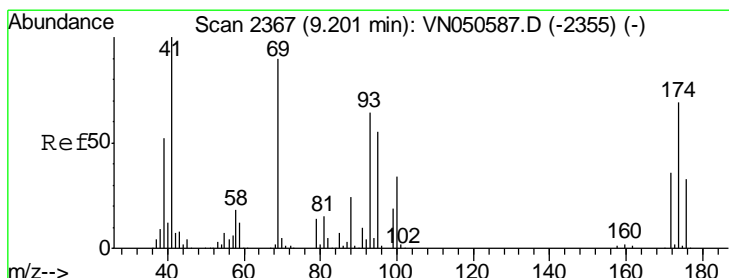
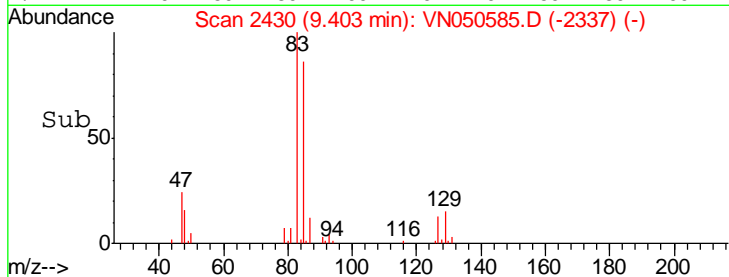
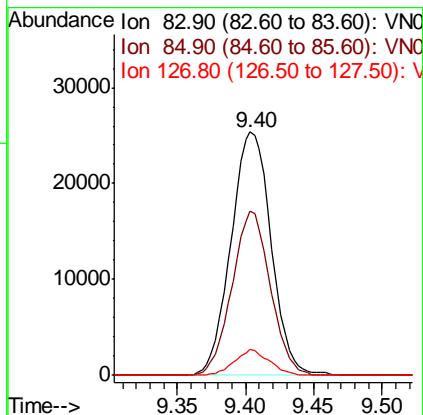
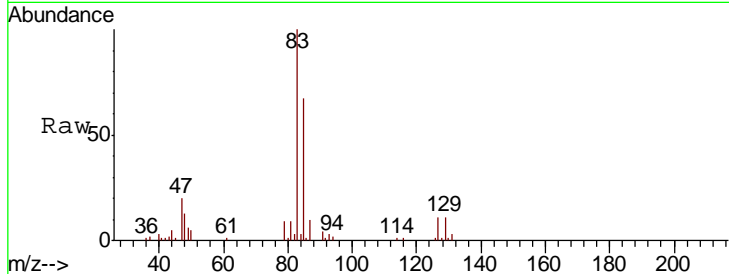
#47
 Bromodichloromethane
 Concen: 5.23 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	100		
85	67.3	51.8	77.6
127	10.5	7.2	10.8

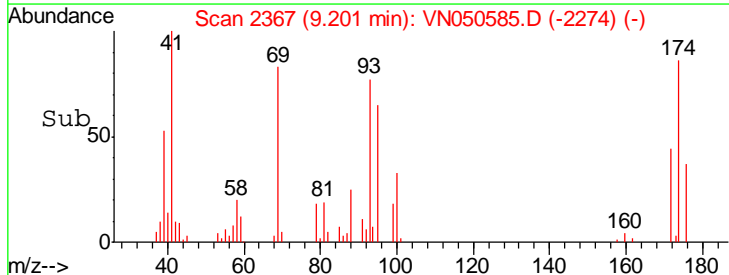
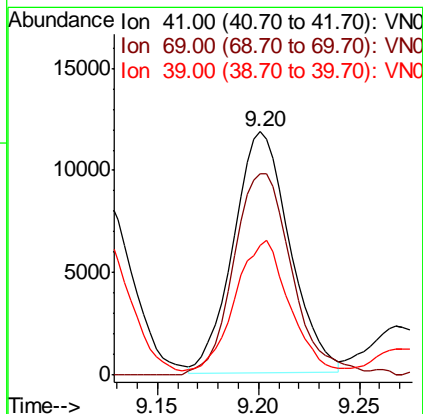
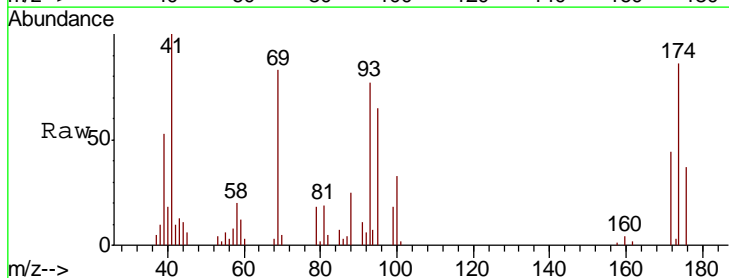
Manual Integrations
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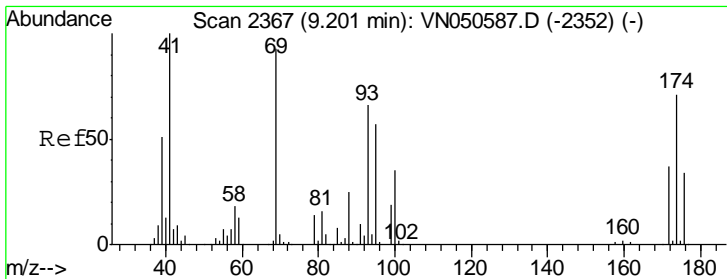
MMDadoda
 8/15/2018 3:20:57 PM



#48
 Methyl methacrylate
 Concen: 4.00 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
41	100		
69	86.3	73.4	110.0
39	55.4	43.0	64.6





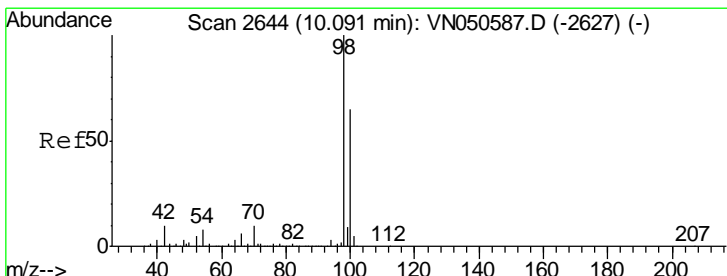
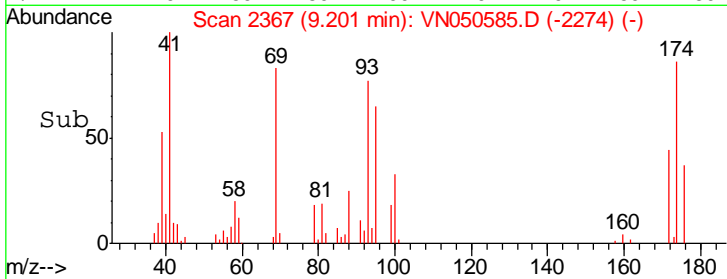
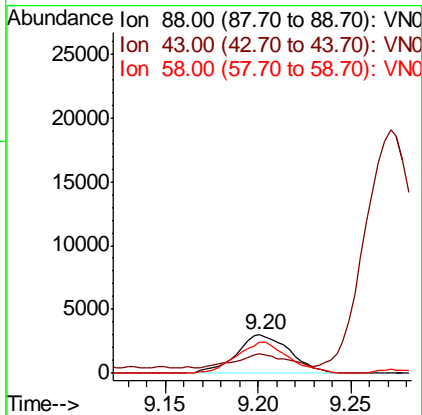
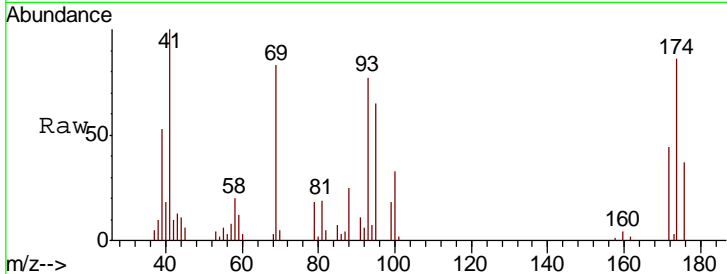
#49
 1,4-Dioxane
 Concen: 68.19 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
88	100		
43	32.1	25.9	38.9
58	80.2	56.5	84.7

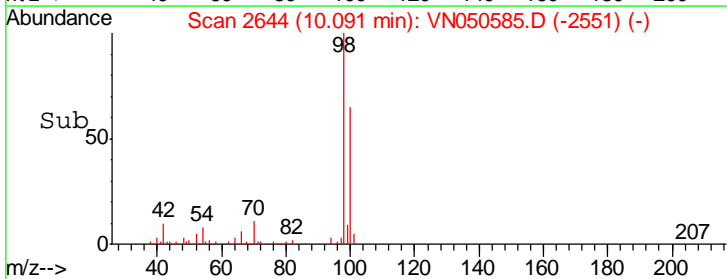
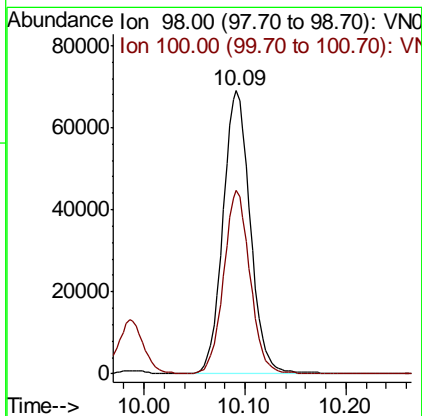
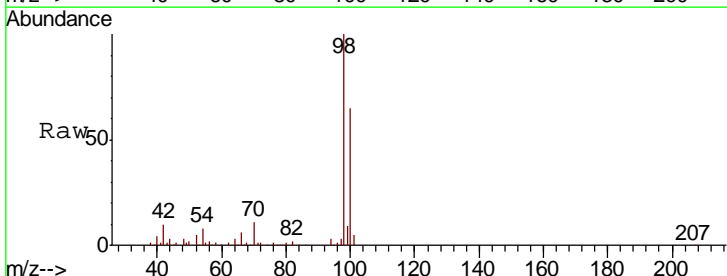
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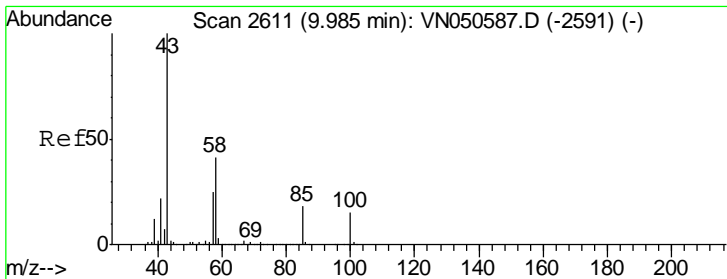
MMDadoda
 8/15/2018 3:20:57 PM



#50
 Toluene-d8
 Concen: 4.94 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
98	100		
100	62.8	51.8	77.8





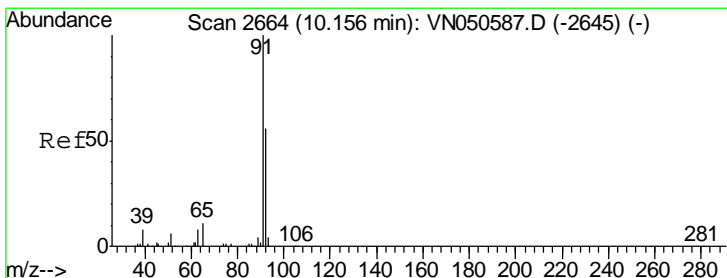
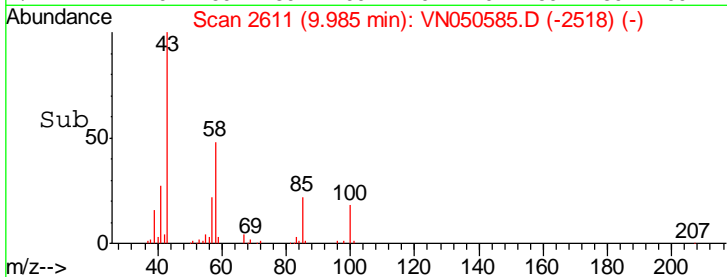
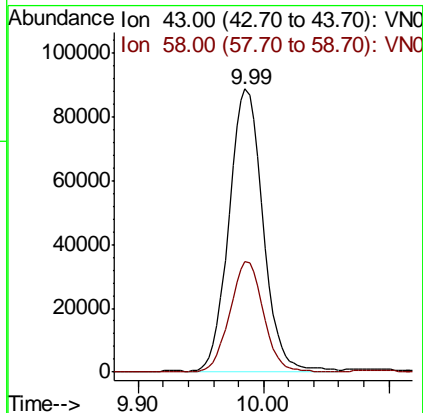
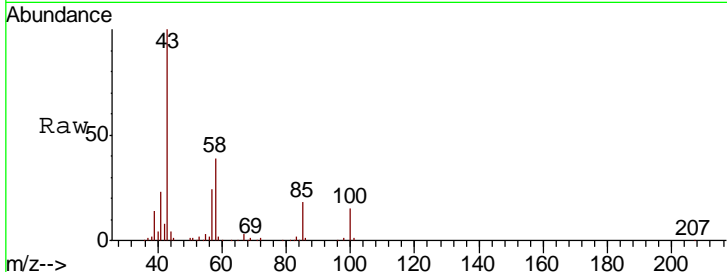
#51
 4-Methyl-2-Pentanone
 Concen: 20.05 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.1	32.5	48.7

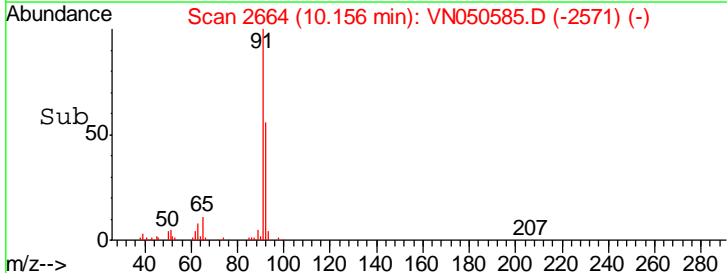
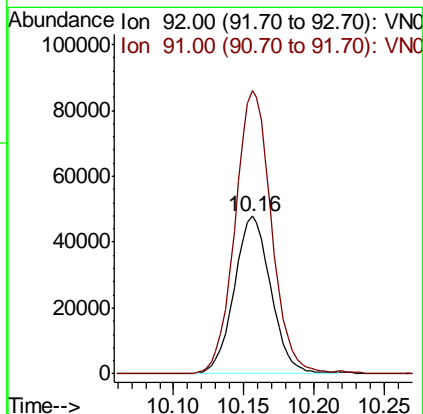
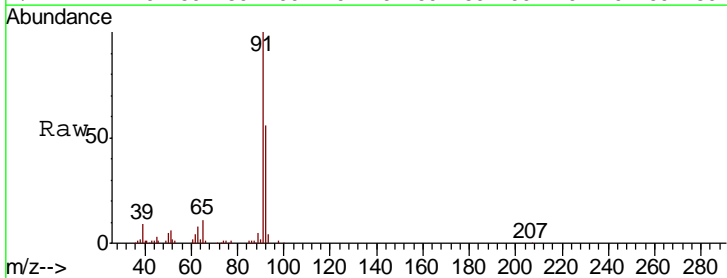
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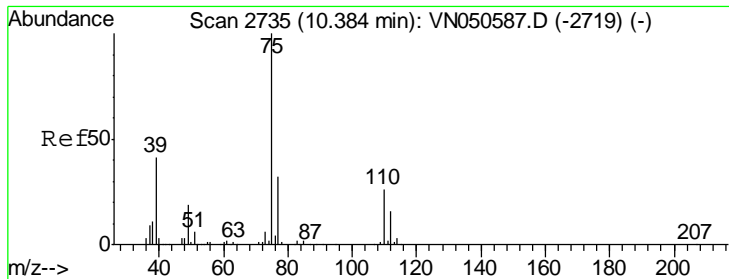
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#52
 Toluene
 Concen: 4.94 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.8	141.9	212.9





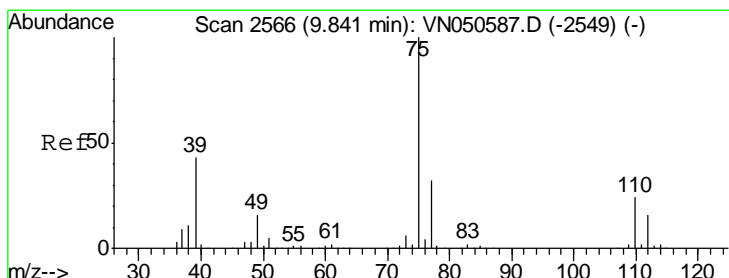
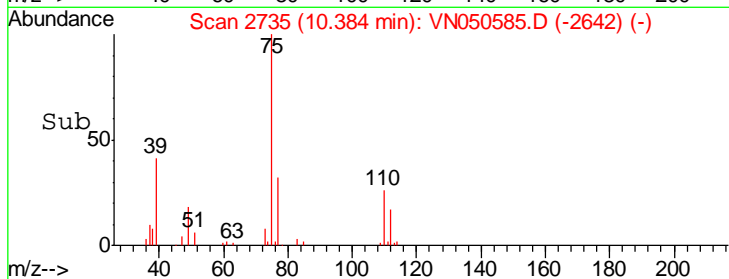
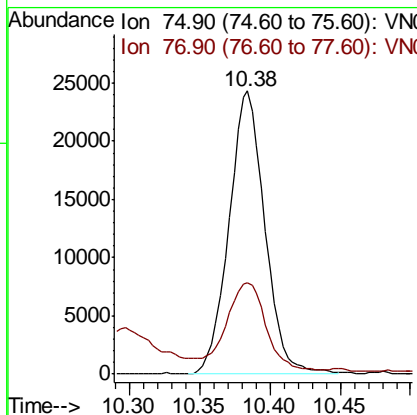
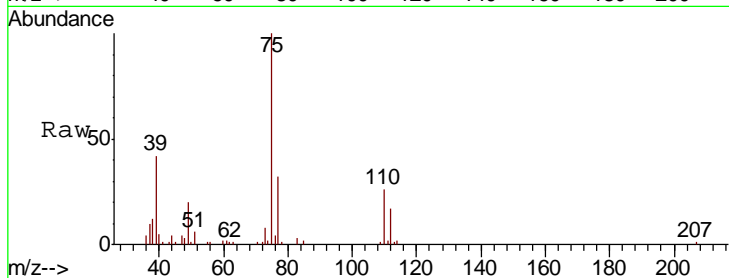
#53
 t-1,3-Dichloropropene
 Concen: 4.40 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	43301		
75	100		
77	30.4	25.8	38.6

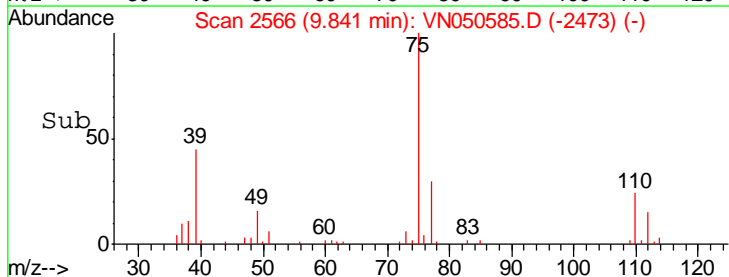
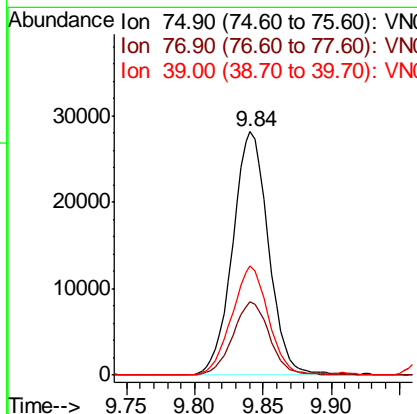
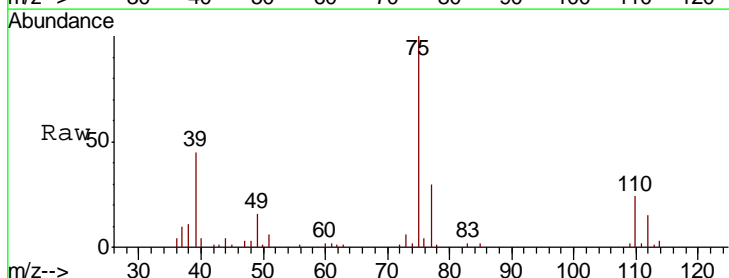
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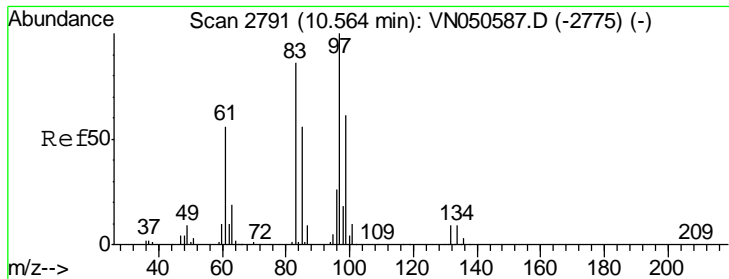
MMDadoda
 8/15/2018 3:20:57 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.66 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
75	51353		
75	100		
77	30.1	25.6	38.4
39	44.6	34.4	51.6





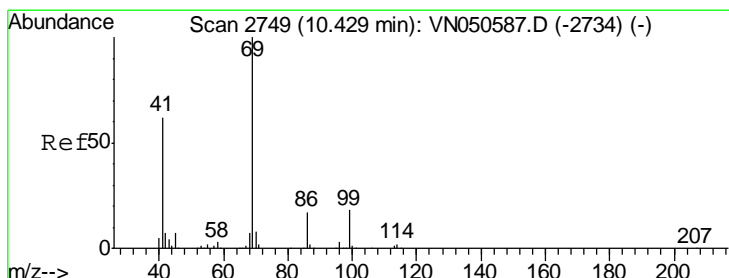
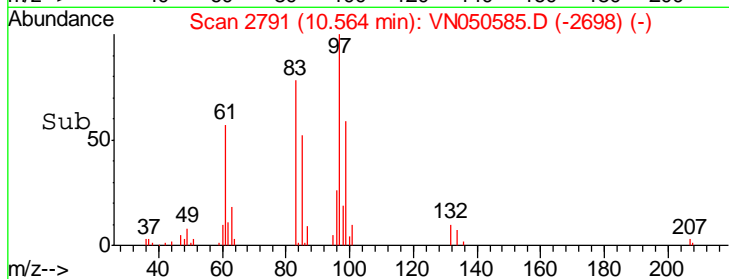
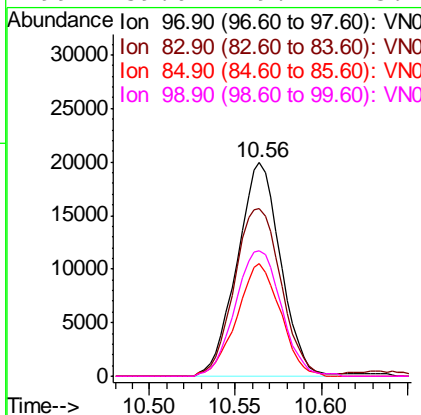
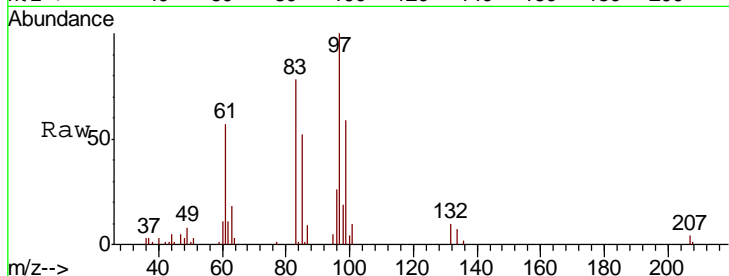
#55
 1,1,2-Trichloroethane
 Concen: 5.10 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
97	34942		
97	100		
83	78.3	68.5	102.7
85	52.5	44.6	66.8
99	59.0	49.1	73.7

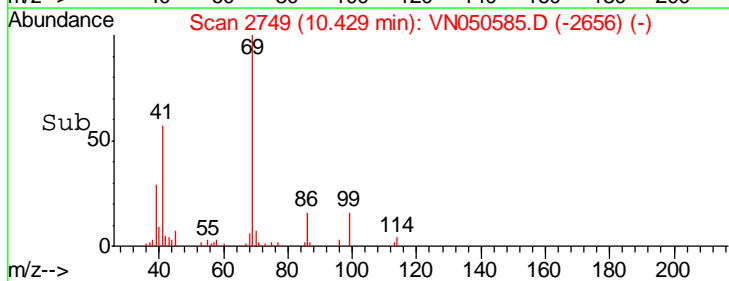
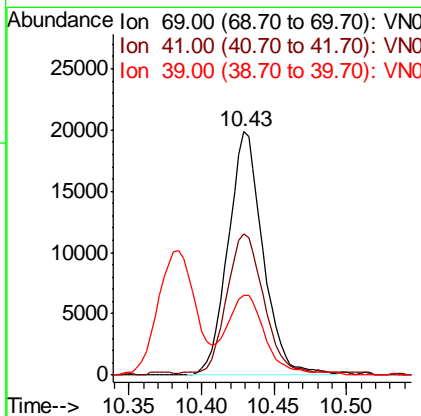
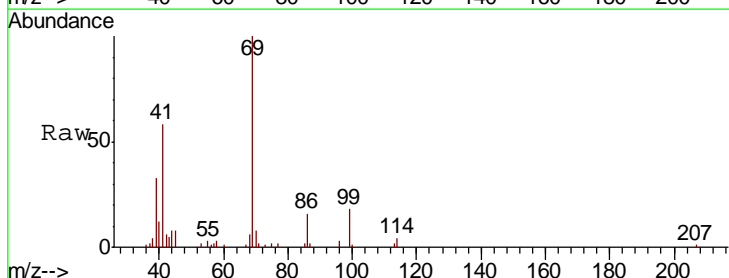
Manual Integrations
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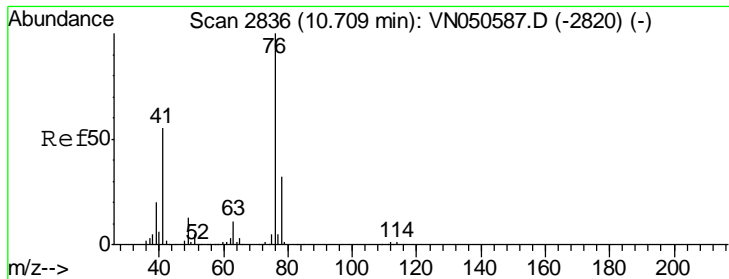
MMDadoda
 8/15/2018 3:20:57 PM



#56
 Ethyl methacrylate
 Concen: 3.91 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
69	33345		
69	100		
41	59.5	49.7	74.5
39	32.7	24.2	36.2





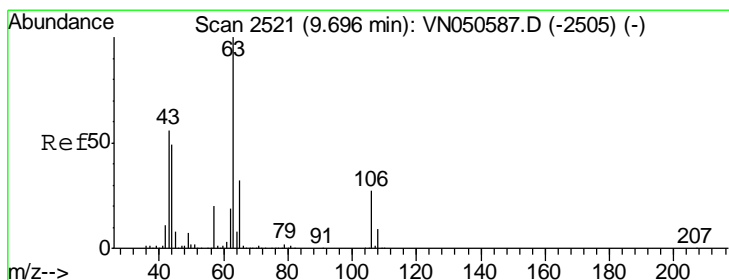
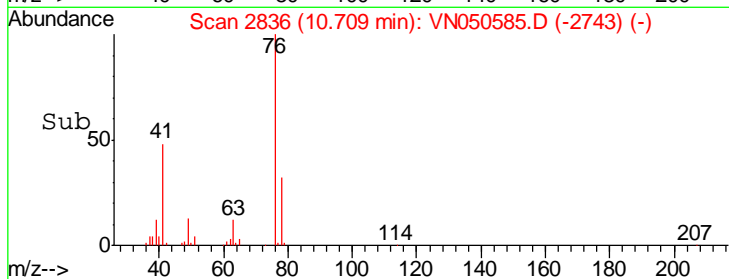
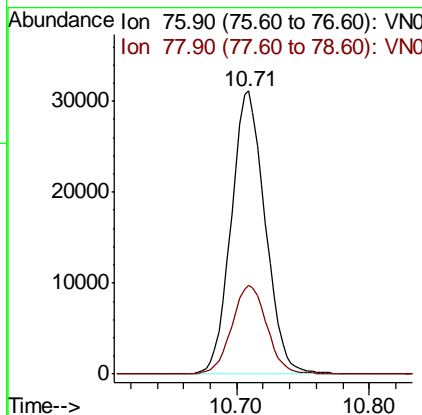
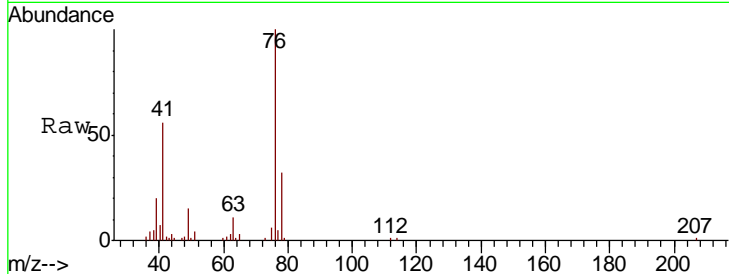
#57
 1,3-Dichloropropane
 Concen: 4.92 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
76	55385		
76	100		
78	32.3	25.8	38.6

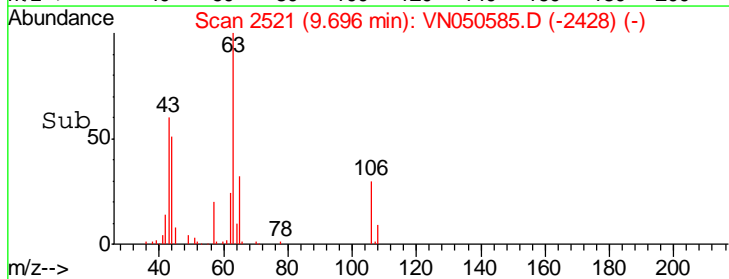
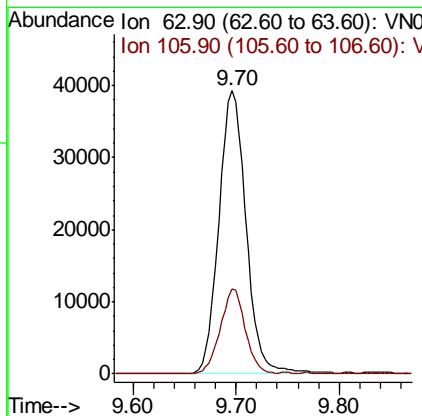
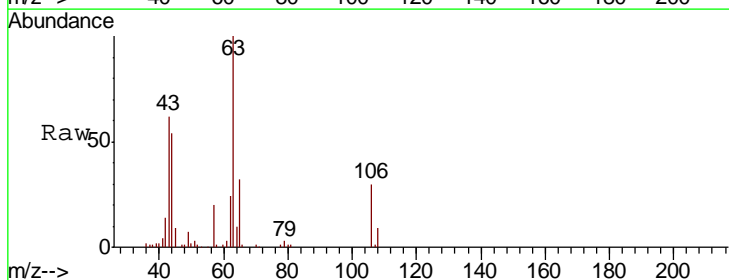
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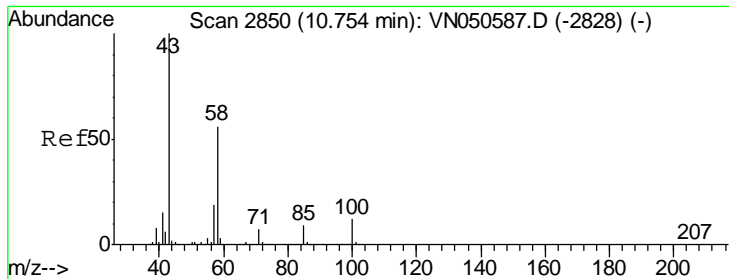
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 18.18 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
63	72350		
63	100		
106	27.5	21.7	32.5





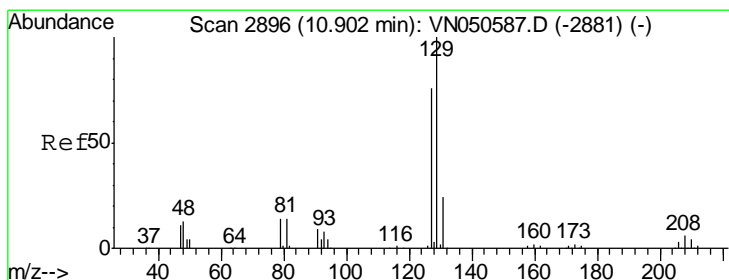
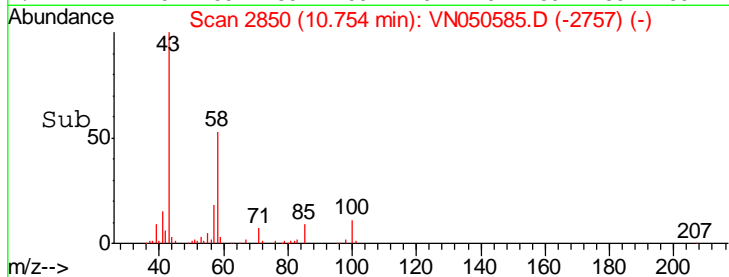
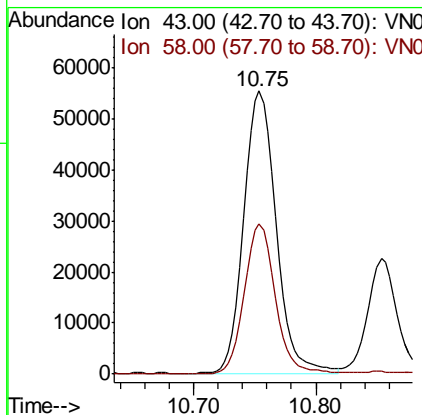
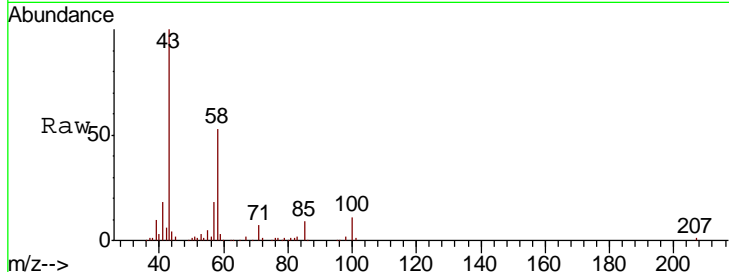
#59
 2-Hexanone
 Concen: 17.82 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
43	102073		
58	50.2	28.0	84.0

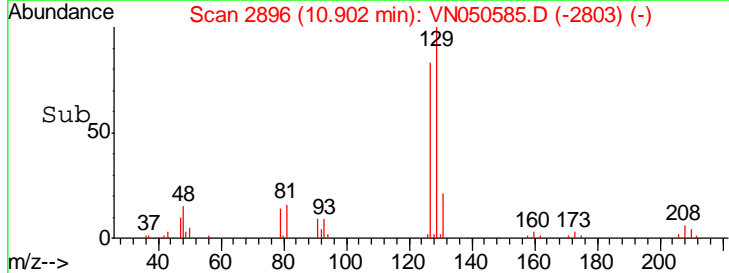
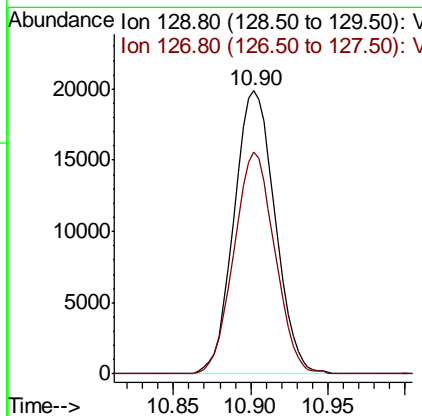
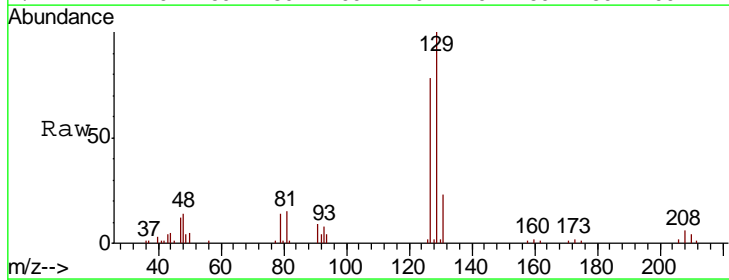
Manual Integrations
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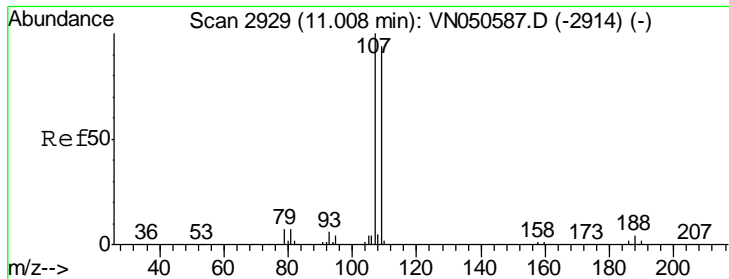
MMDadoda
 8/15/2018 3:20:57 PM



#60
 Dibromochloromethane
 Concen: 4.86 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
129	36675		
127	77.9	38.9	116.7





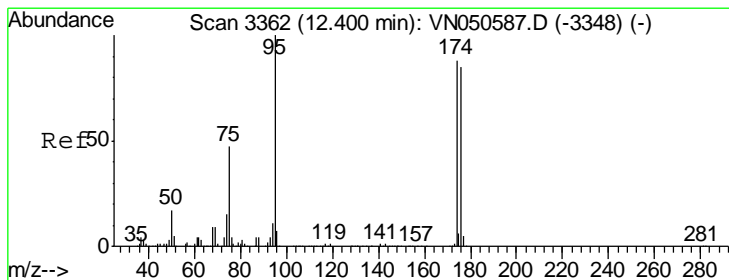
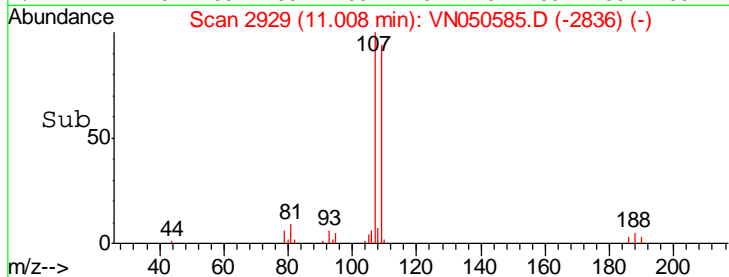
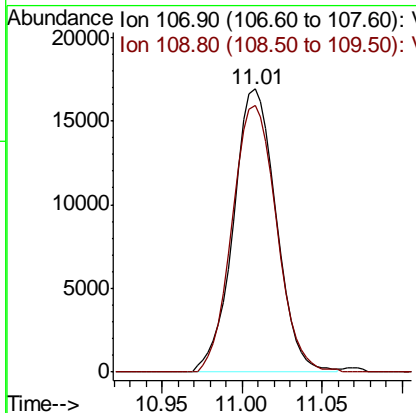
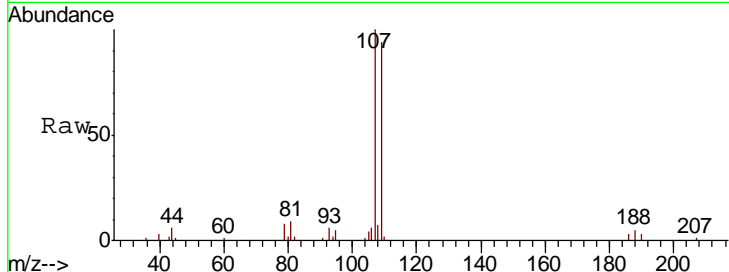
#61
 1,2-Dibromoethane
 Concen: 4.59 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
107	30853		
109	97.8	75.7	113.5

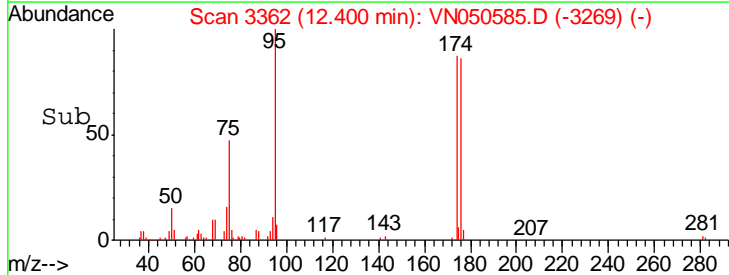
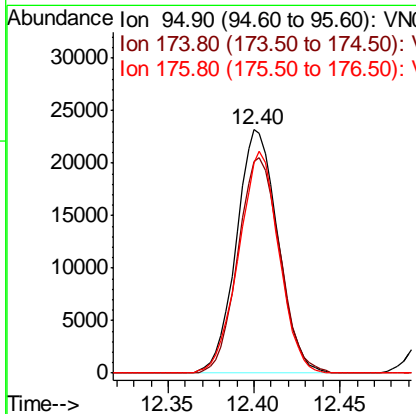
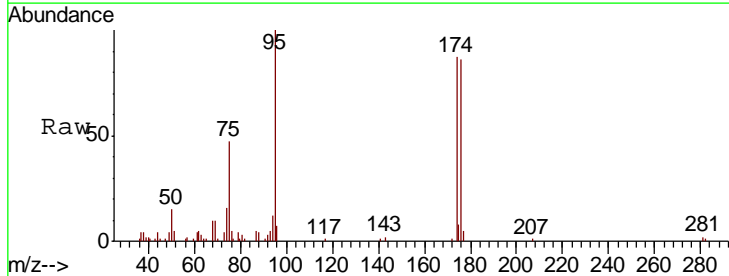
Manual Integrations
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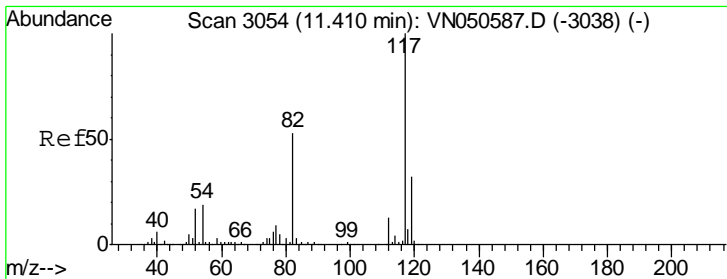
MMDadoda
 8/15/2018 3:20:57 PM



#62
 4-Bromofluorobenzene
 Concen: 4.35 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
95	38906		
174	89.2	0.0	177.8
176	88.0	0.0	175.0





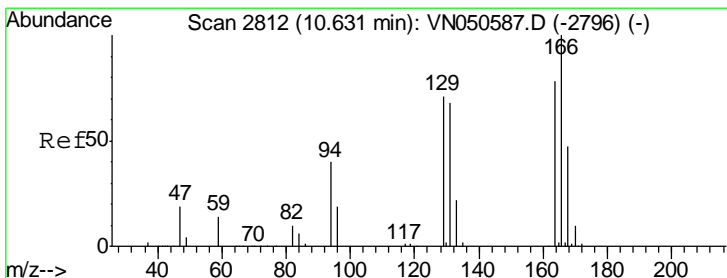
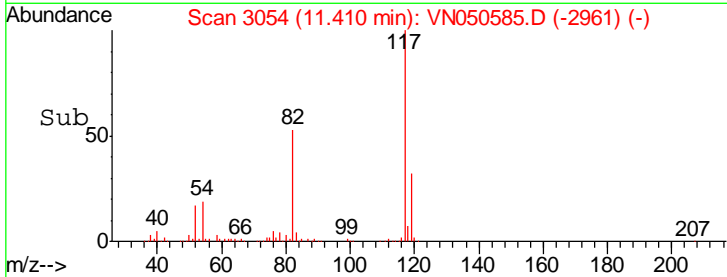
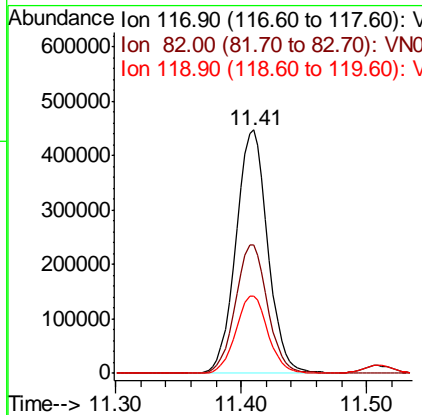
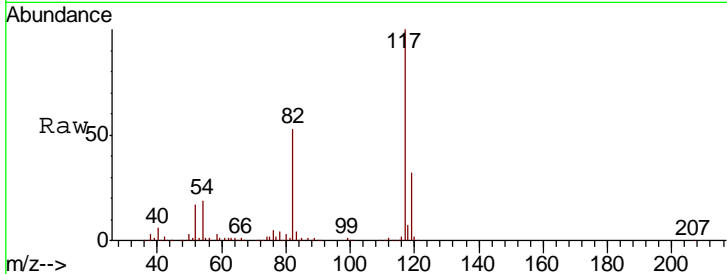
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
117	786588		
82	52.5	42.4	63.6
119	31.9	25.8	38.8

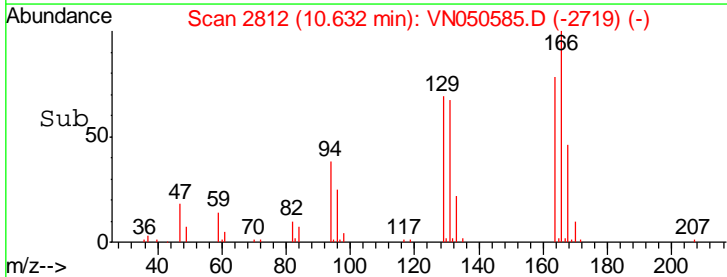
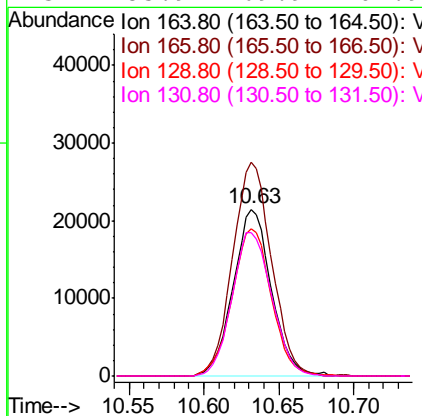
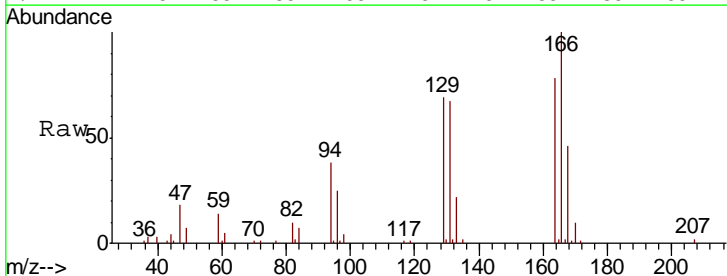
Manual Integrations
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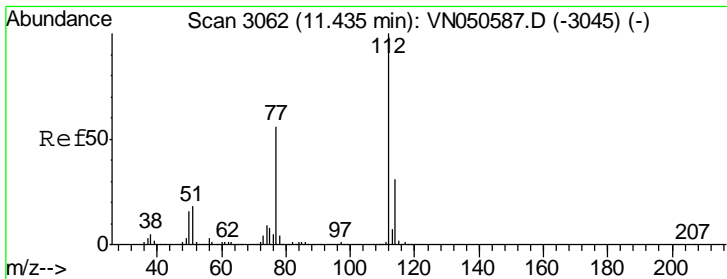
MMDadoda
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#64
 Tetrachloroethene
 Concen: 5.20 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
164	38161		
166	127.9	102.1	153.1
129	88.0	72.7	109.1
131	85.9	69.9	104.9





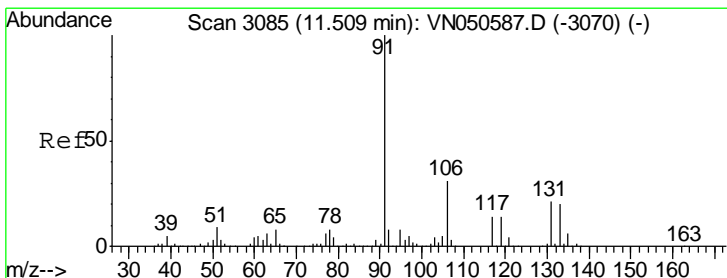
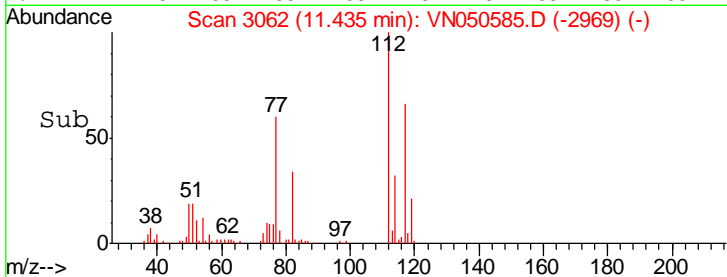
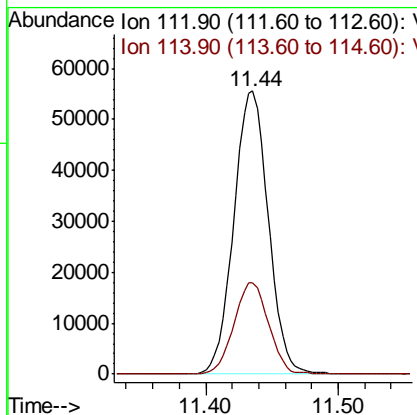
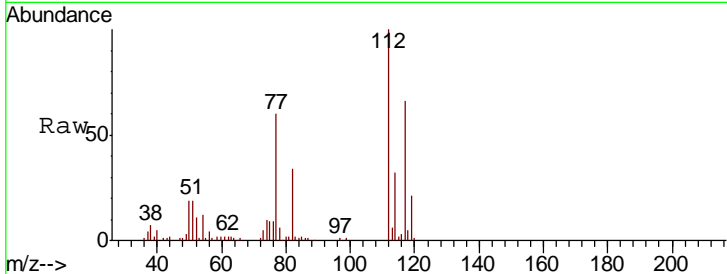
#65
 Chlorobenzene
 Concen: 5.08 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
112	100		
114	32.4	25.2	37.8

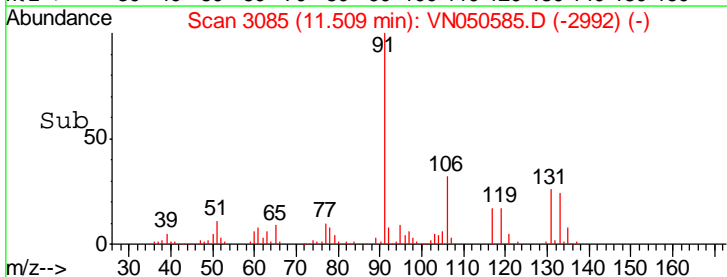
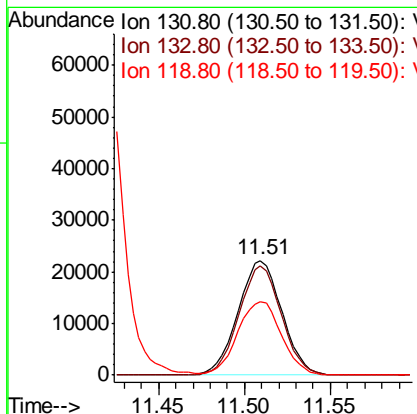
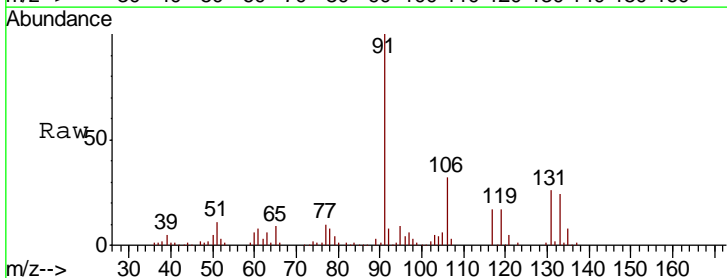
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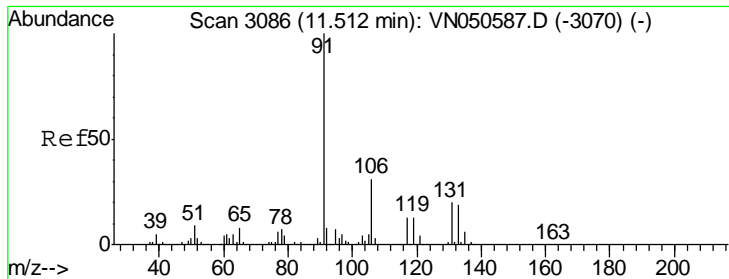
MMDadoda
 8/15/2018 3:20:57 PM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 5.44 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
131	100		
133	92.3	47.6	142.9
119	64.4	33.1	99.3





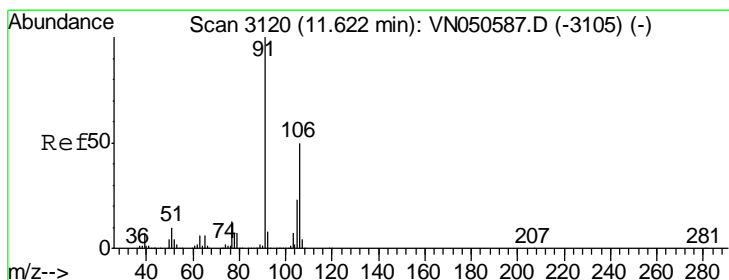
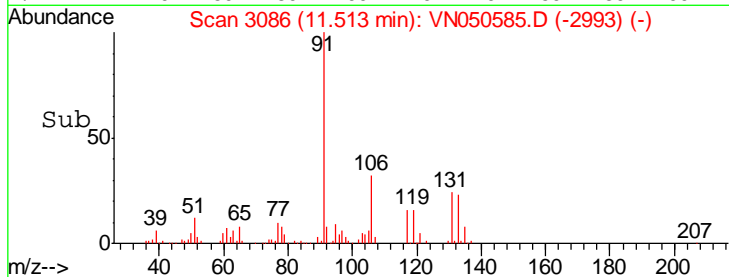
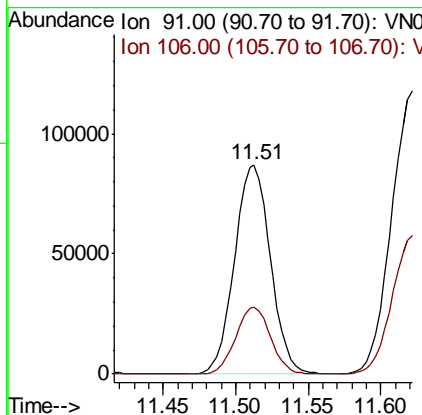
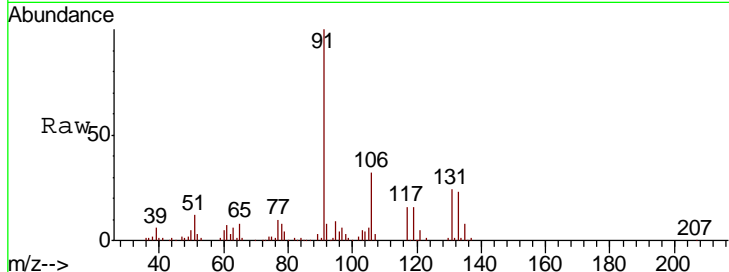
#67
 Ethyl Benzene
 Concen: 4.70 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	149919		
106	32.0	24.8	37.2

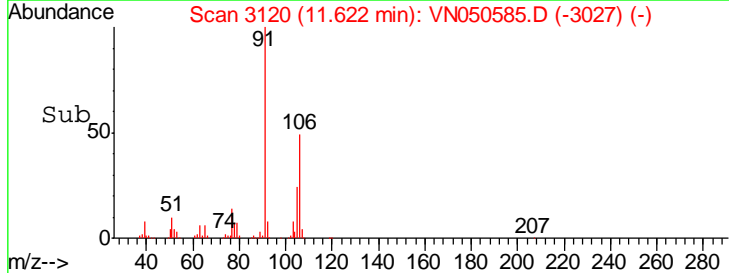
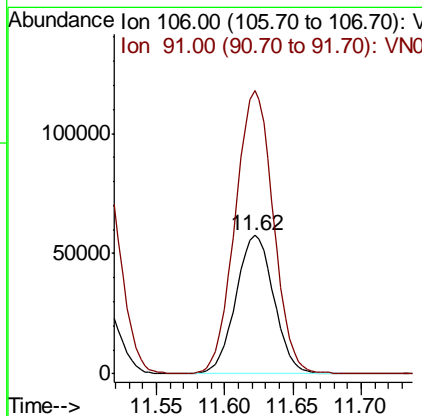
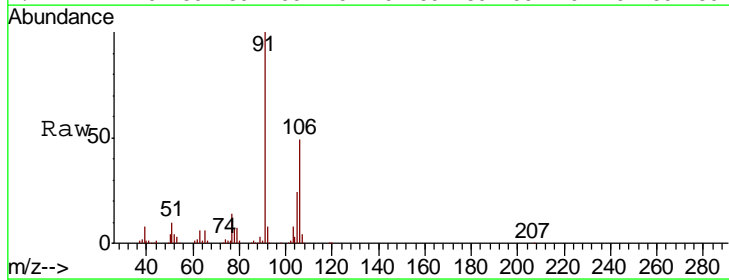
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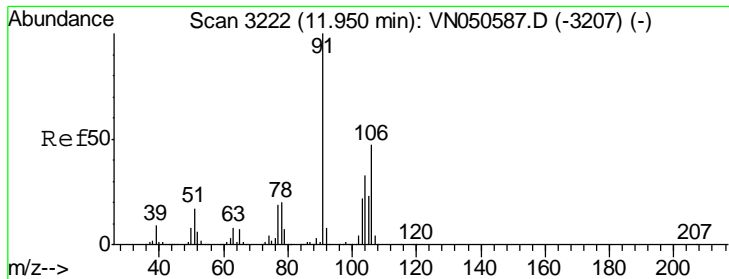
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#68
 m/p-Xylenes
 Concen: 9.18 ug/l
 RT: 11.62 min Scan# 3120
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
106	111551		
91	204.9	161.5	242.3





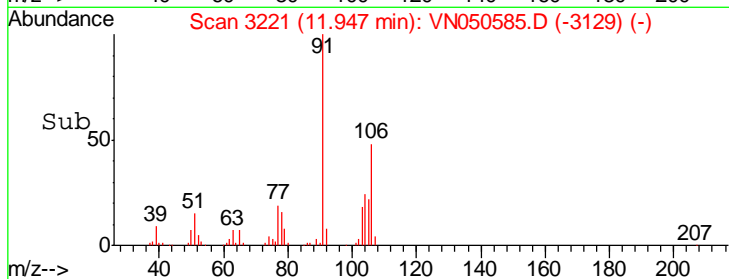
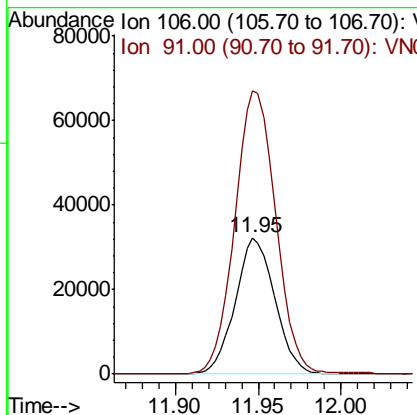
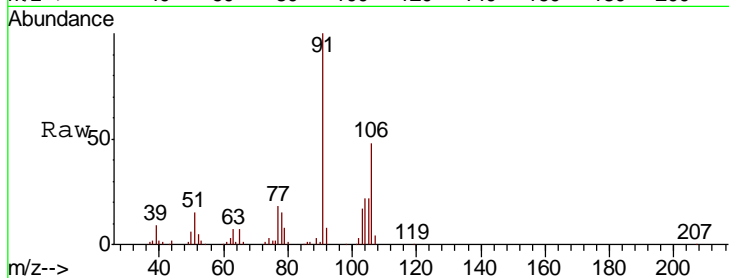
#69
 o-Xylene
 Concen: 4.59 ug/l
 RT: 11.95 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
106	53670		
106	100		
91	215.7	106.8	320.4

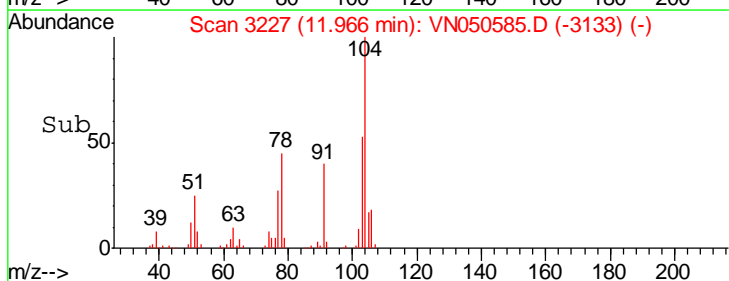
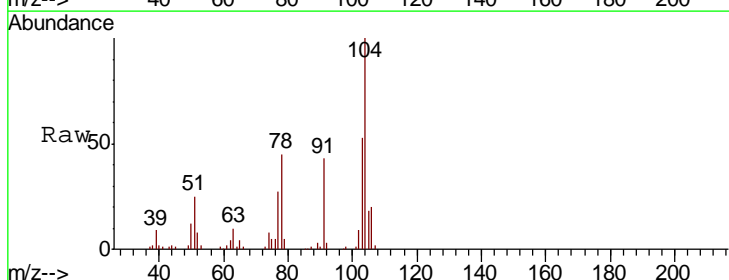
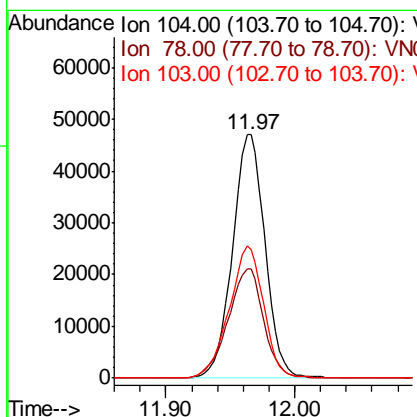
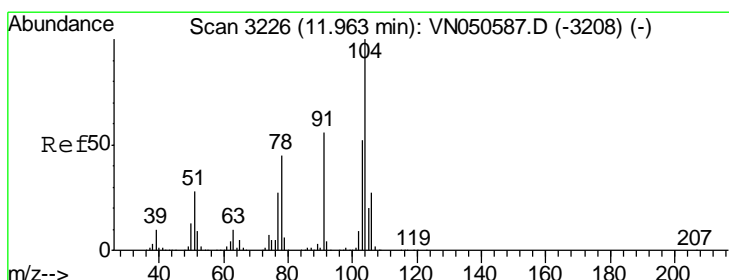
Manual Integrations
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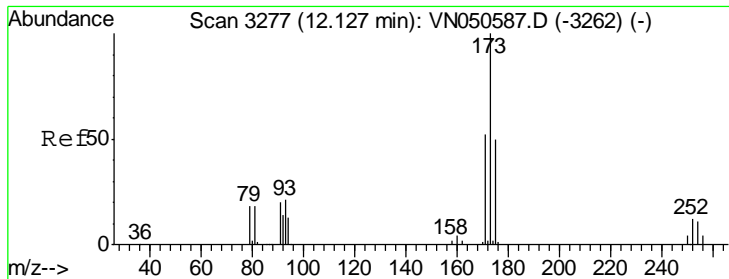
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#70
 Styrene
 Concen: 4.34 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
104	82286		
104	100		
78	49.1	39.1	58.7
103	57.4	44.9	67.3





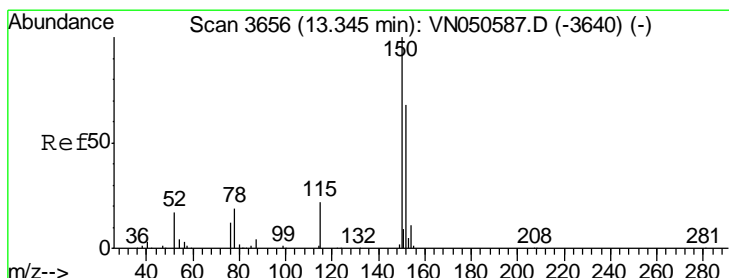
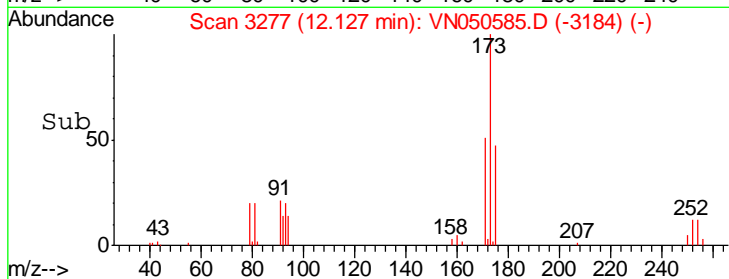
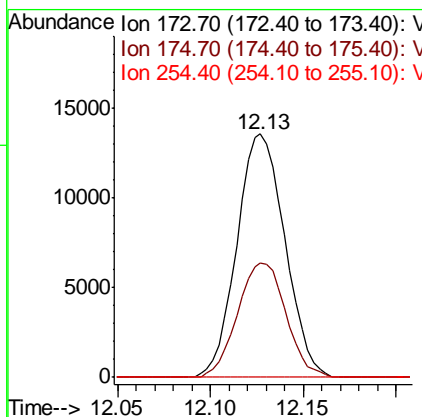
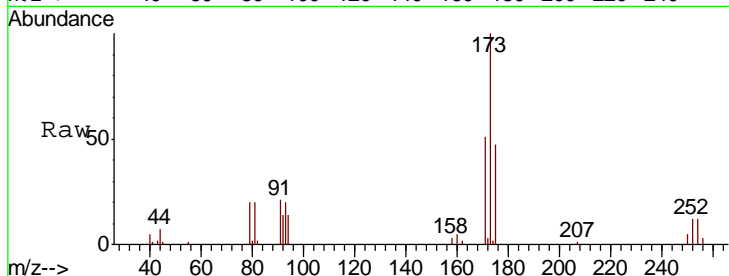
#71
 Bromoform
 Concen: 4.73 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
173	100		
175	47.2	24.4	73.2
254	0.0	0.0	0.0

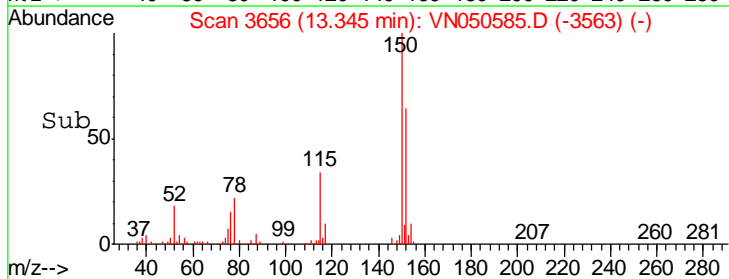
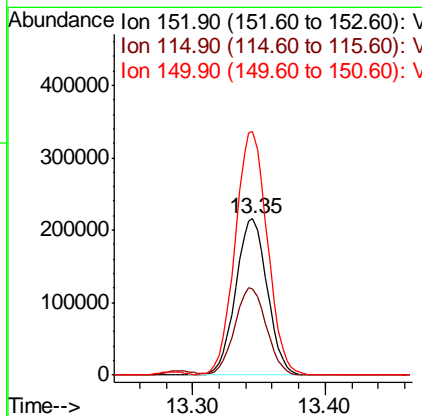
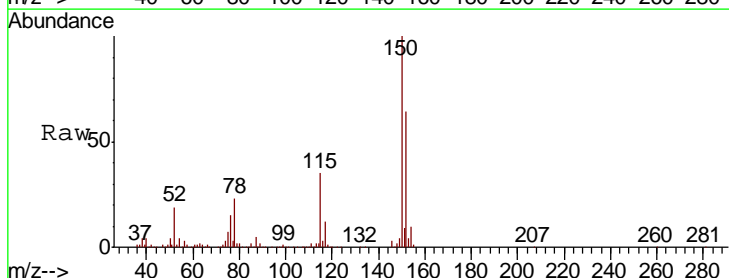
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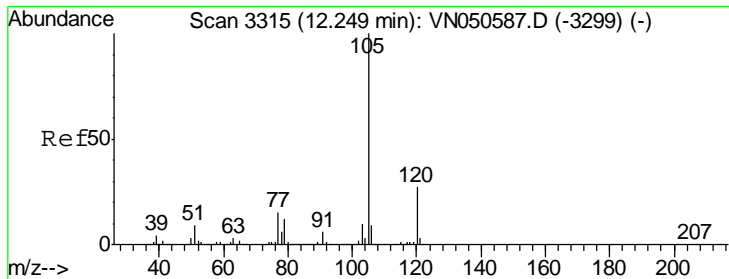
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.3	28.1	84.2
150	159.4	0.0	347.8





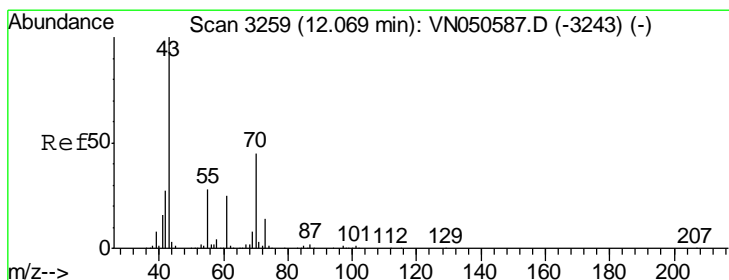
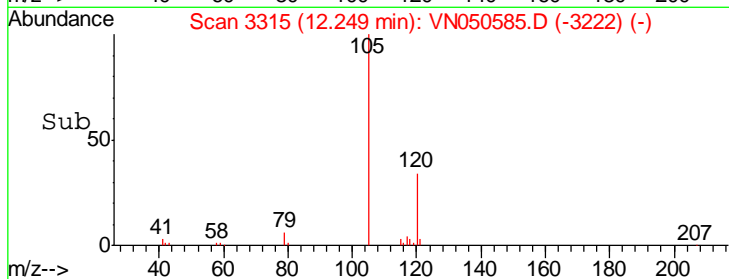
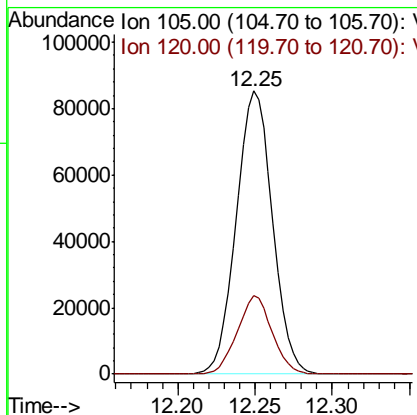
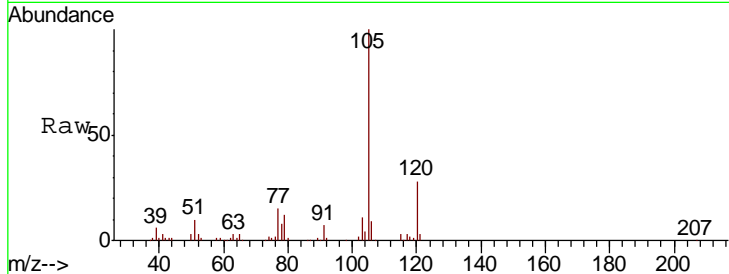
#73
 Isopropylbenzene
 Concen: 5.15 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	138443		
120	26.7	13.4	40.1

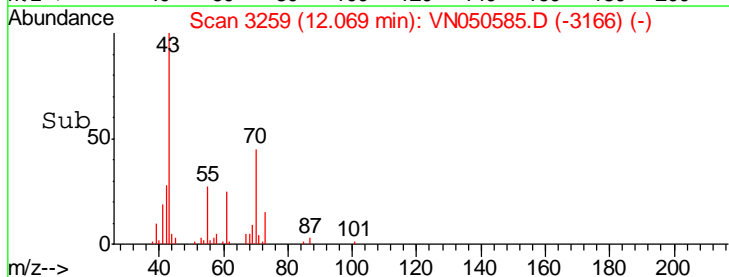
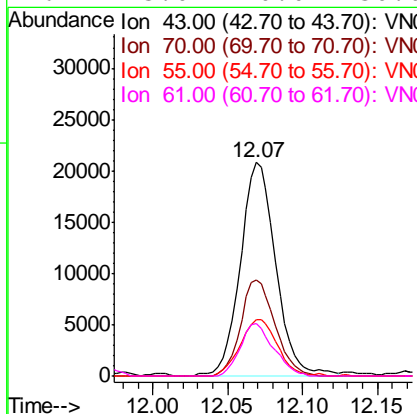
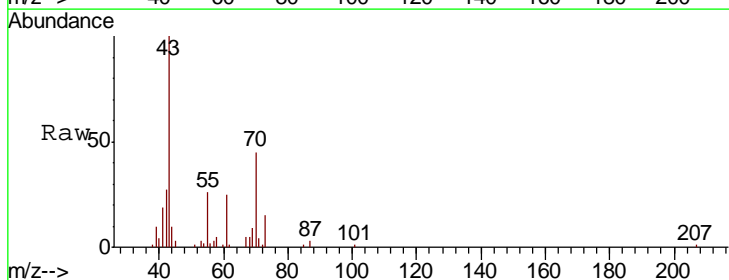
Manual Integrations
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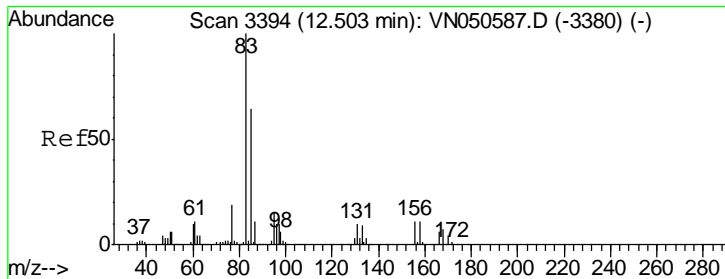
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#74
 N-amyl acetate
 Concen: 4.09 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
43	34370		
70	43.5	35.9	53.9
55	27.7	22.2	33.4
61	23.0	20.0	30.0





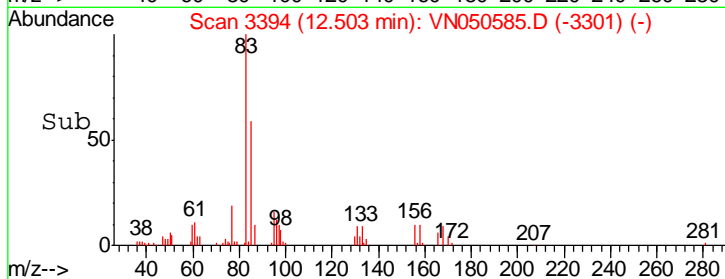
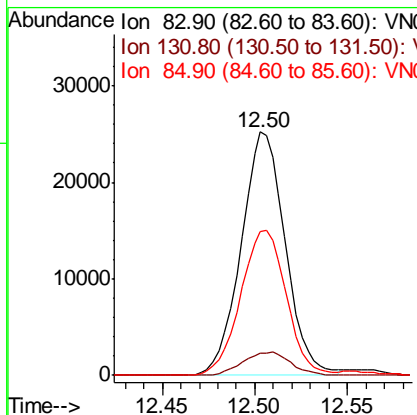
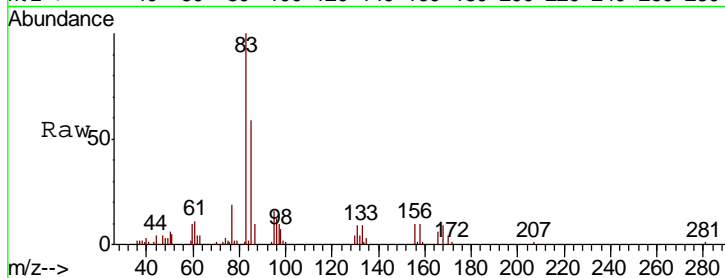
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.47 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
83	41503		
83	100		
131	10.3	5.3	15.9
85	61.5	32.1	96.5

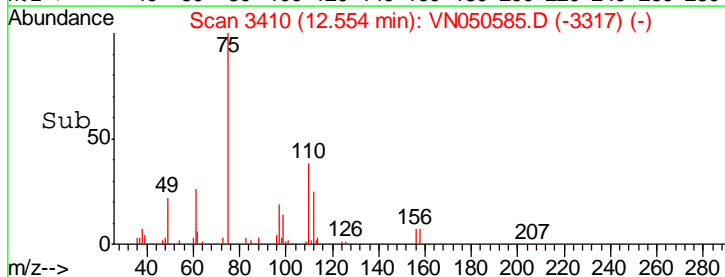
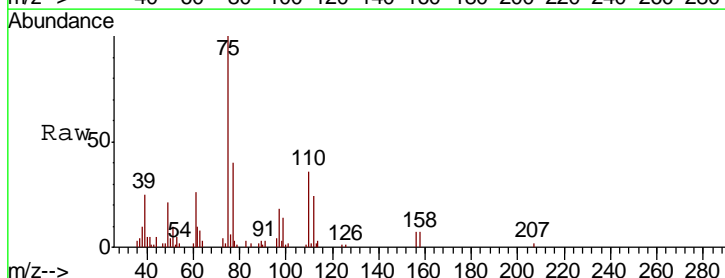
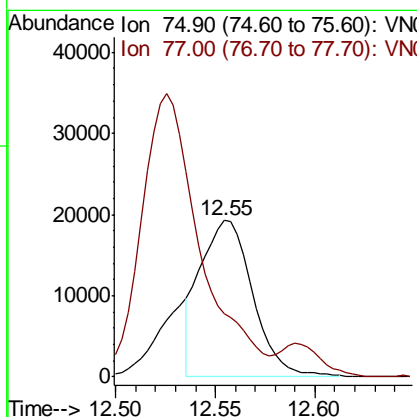
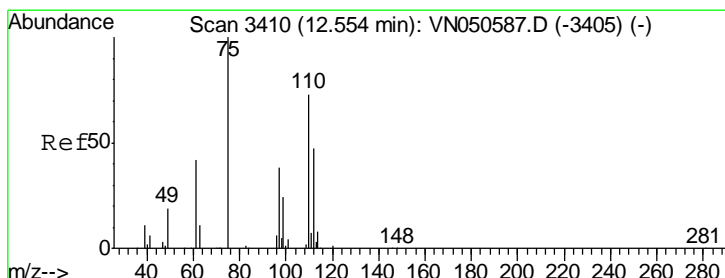
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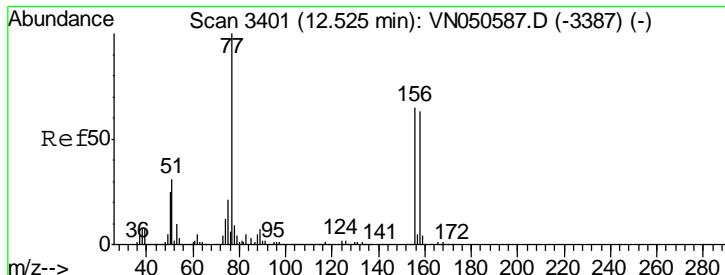
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#76
 1,2,3-Trichloropropane
 Concen: 5.54 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
75	35606		
75	100		
77	0.0	0.0	0.0





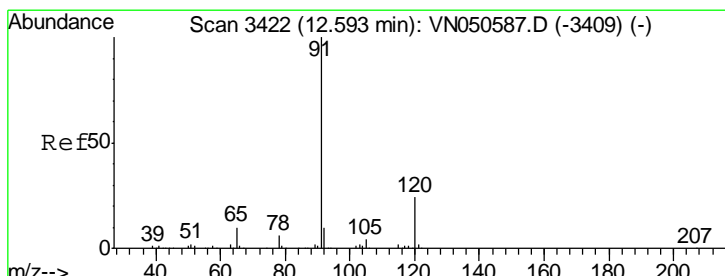
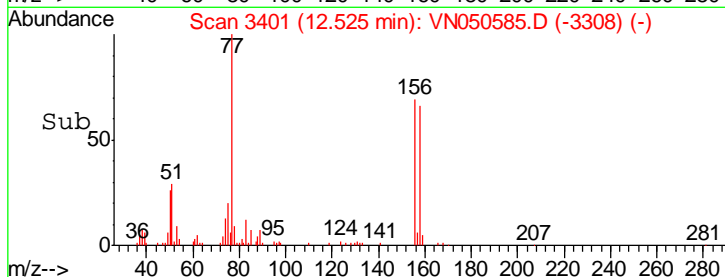
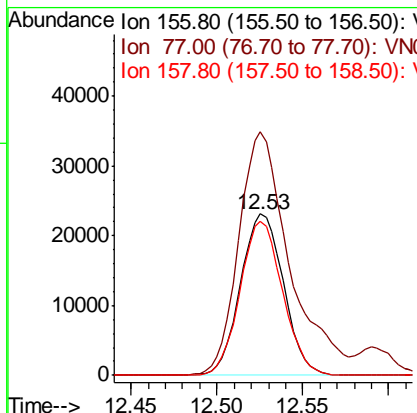
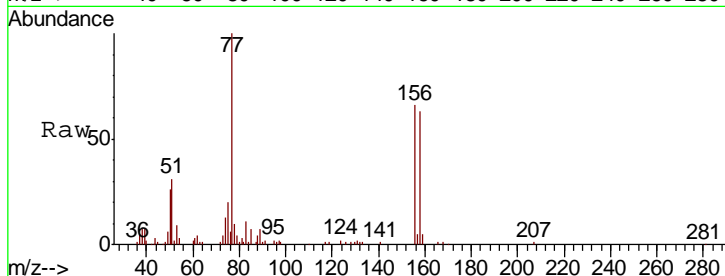
#77
 Bromobenzene
 Concen: 5.58 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
156	40123		
77	179.4	89.0	267.1
158	94.1	48.5	145.6

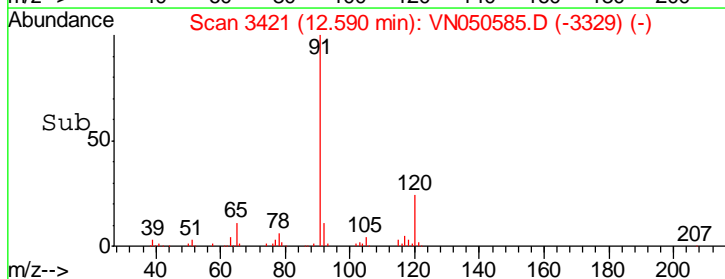
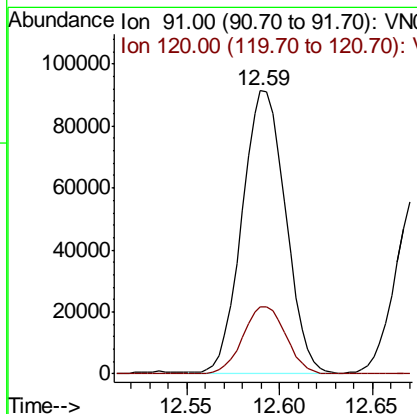
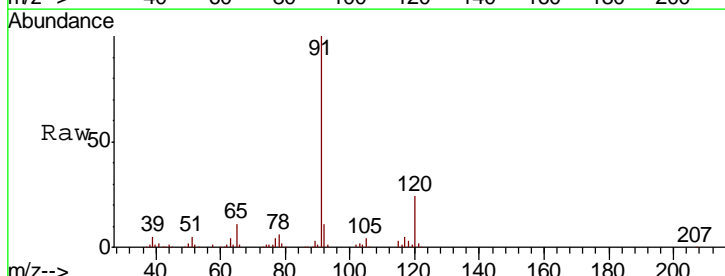
Manual Integrations
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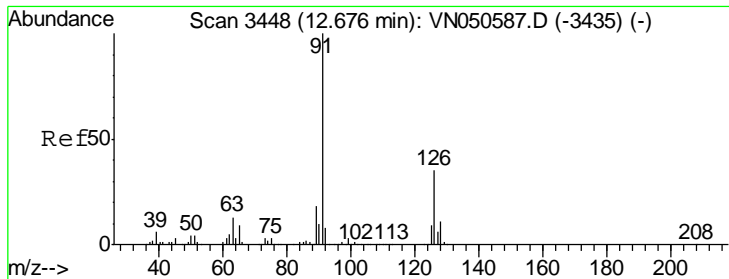
MMDadoda
 8/15/2018 3:20:57 PM



#78
 n-propylbenzene
 Concen: 4.88 ug/l
 RT: 12.59 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
91	148279		
120	23.5	11.8	35.4





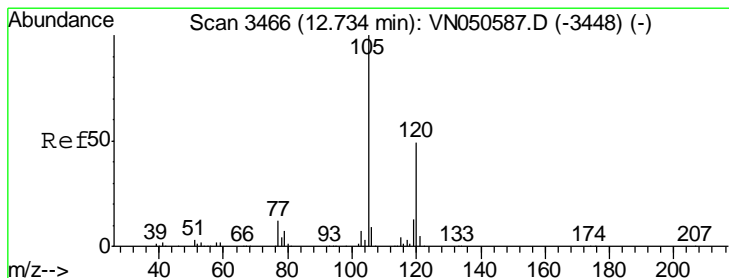
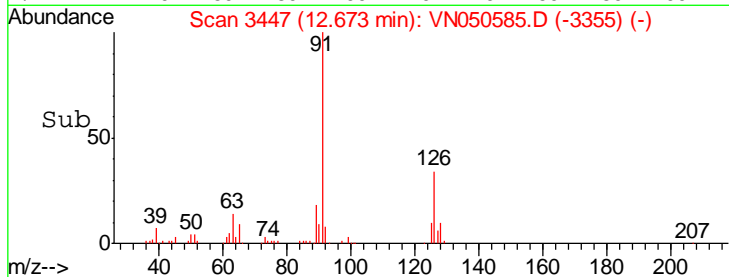
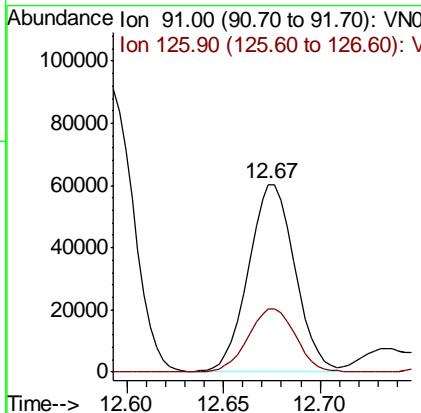
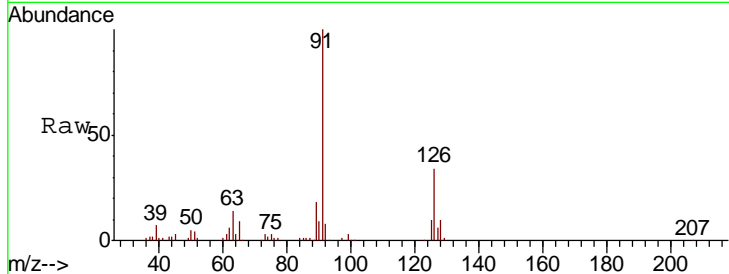
#79
 2-Chlorotoluene
 Concen: 5.34 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100357		
126	35.0	17.6	52.8

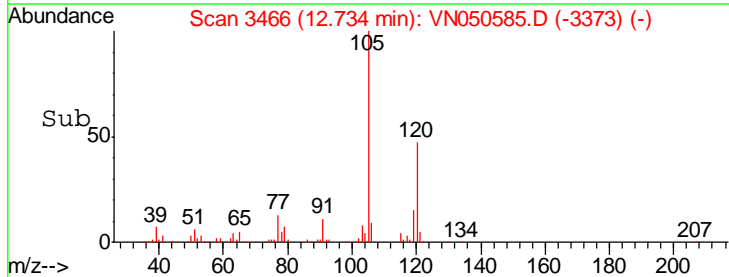
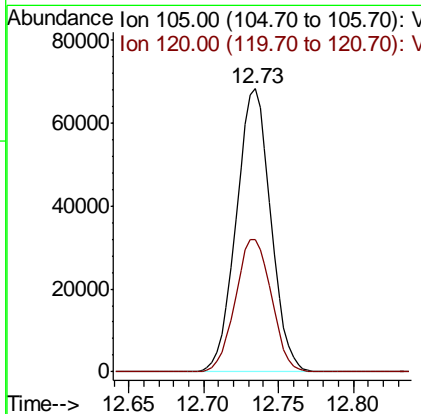
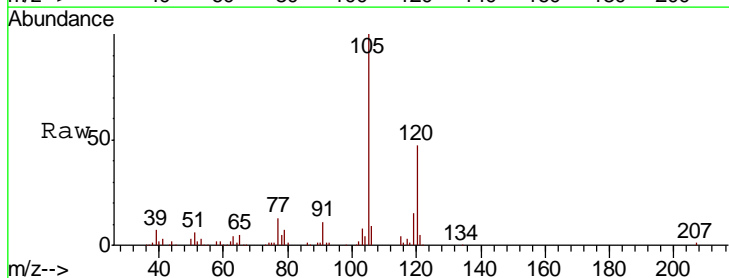
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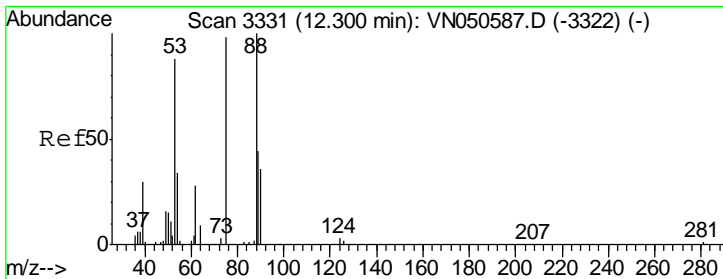
MMDadoda
 8/15/2018 3:20:57 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.02 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
105	109330		
120	48.9	24.7	74.1





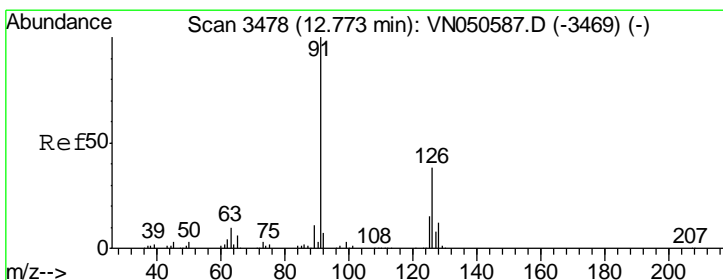
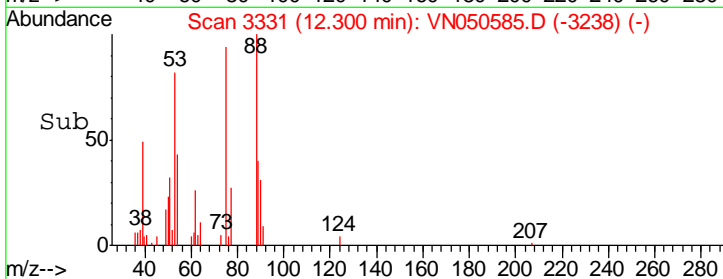
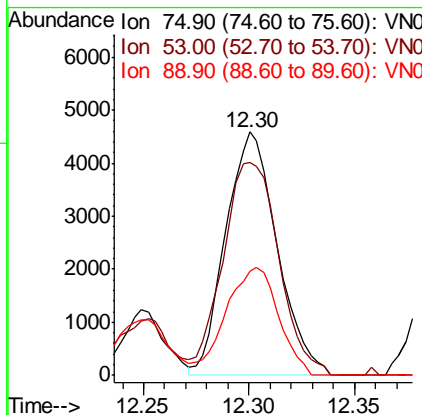
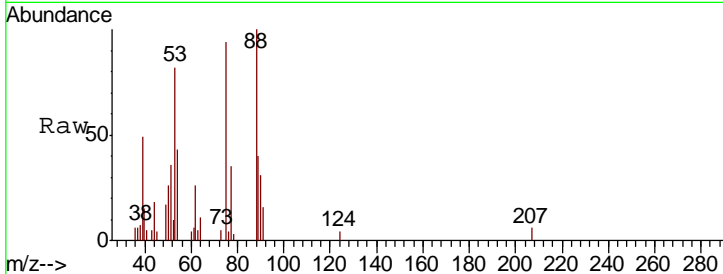
#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.37 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
75	100		
53	95.3	72.2	108.2
89	45.5	36.3	54.5

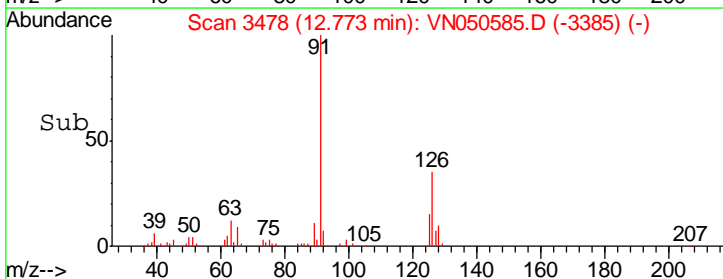
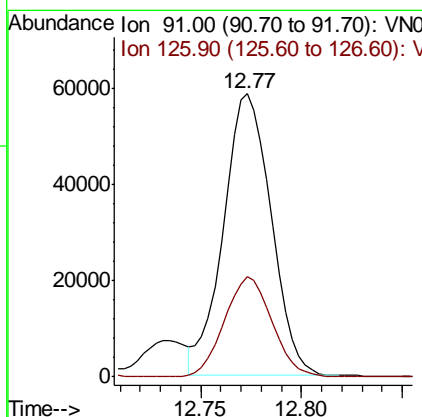
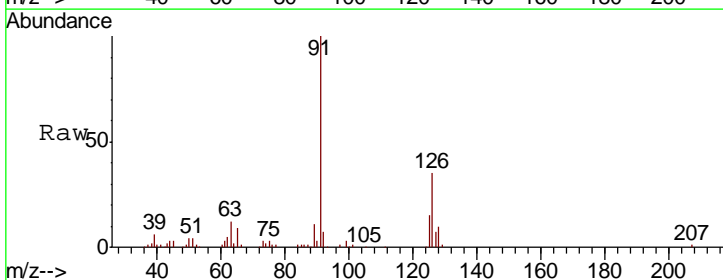
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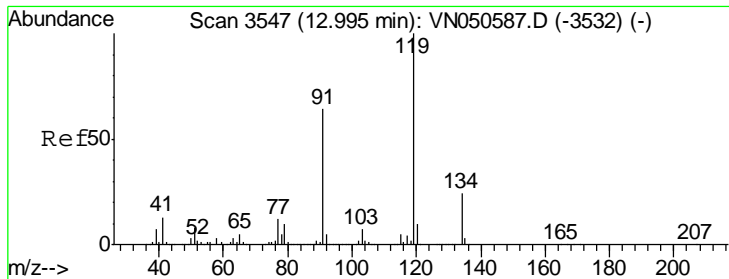
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#82
 4-Chlorotoluene
 Concen: 5.19 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.3	17.3	52.0





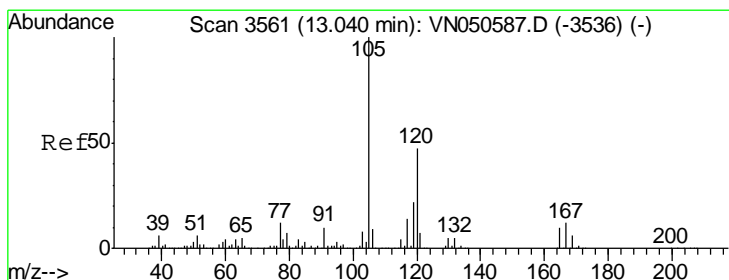
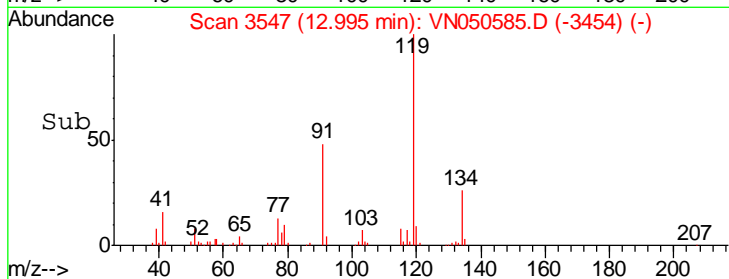
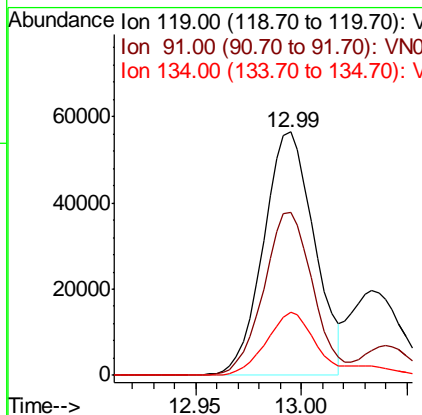
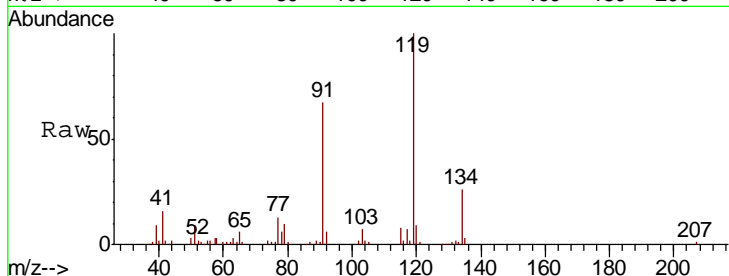
#83
 tert-Butylbenzene
 Concen: 5.01 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
119	95009		
91	65.0	32.2	96.6
134	24.5	13.4	40.2

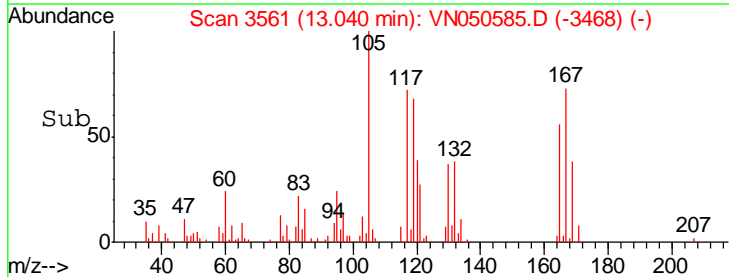
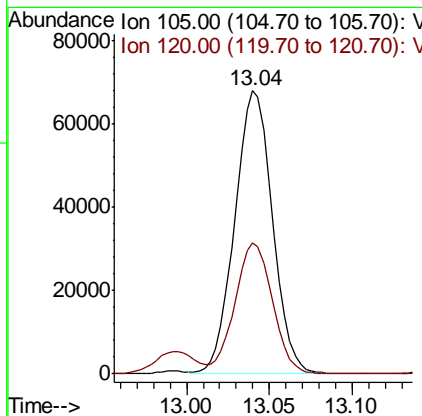
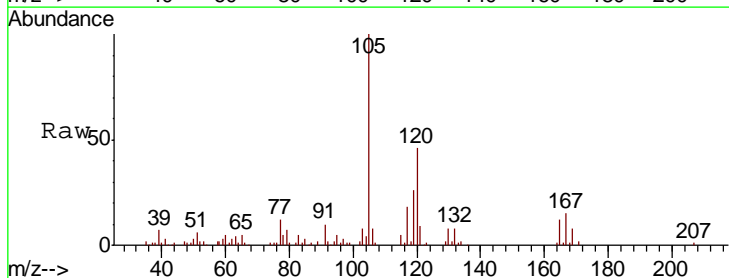
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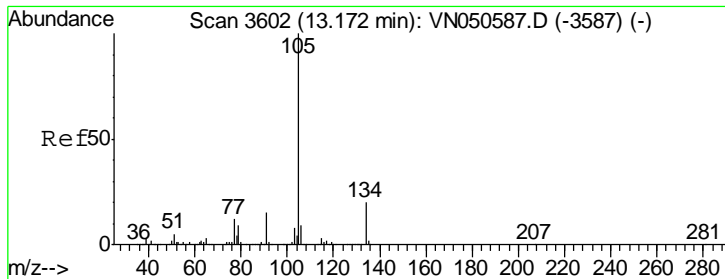
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.88 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
105	107622		
120	46.3	23.2	69.5





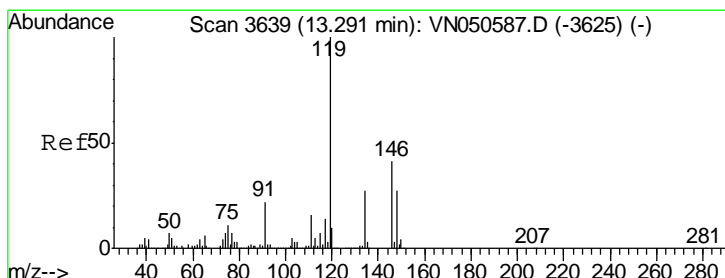
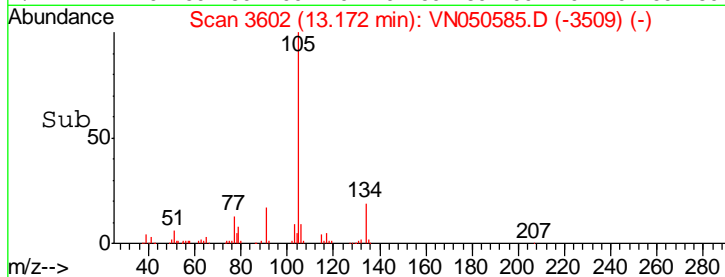
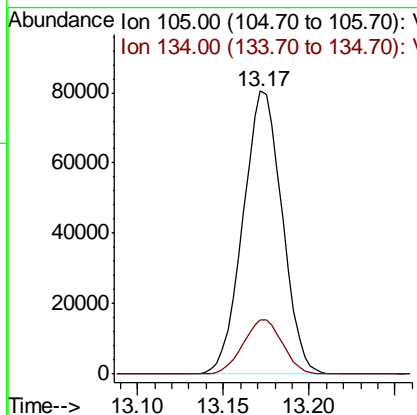
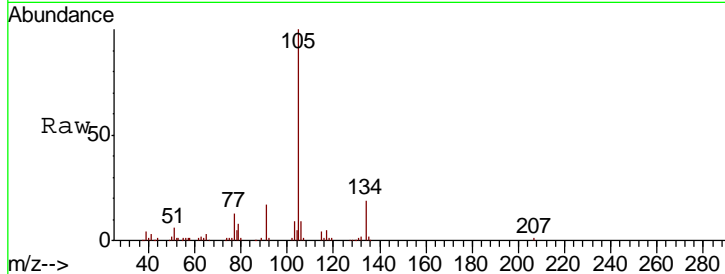
#85
 sec-Butylbenzene
 Concen: 5.03 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
105	127344		
134	19.4	10.1	30.3

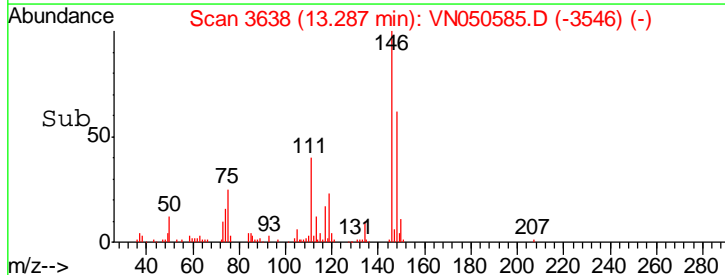
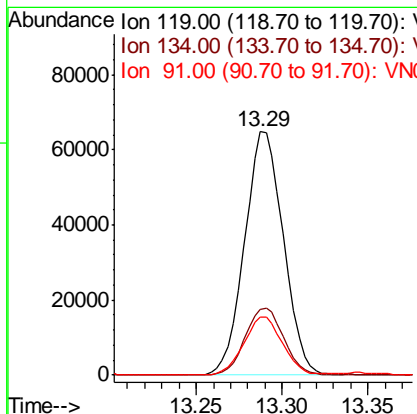
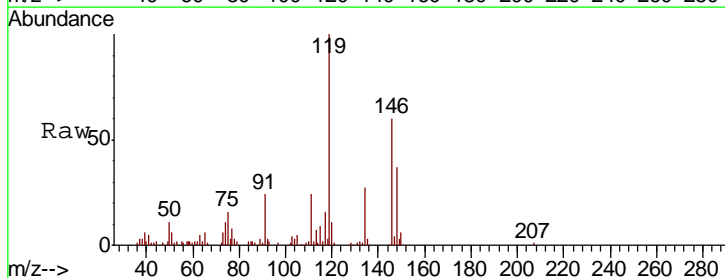
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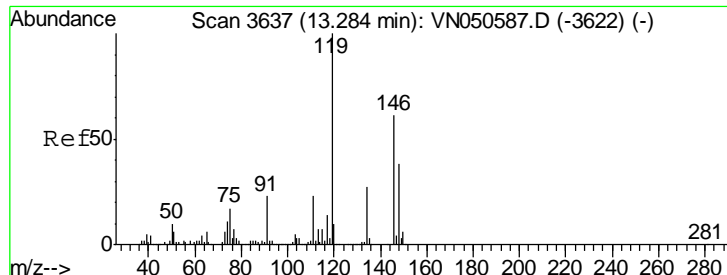
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#86
 p-Isopropyltoluene
 Concen: 4.70 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
119	101679		
134	27.2	13.5	40.4
91	23.4	11.2	33.6





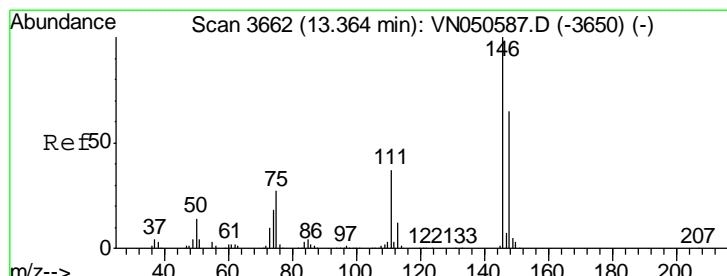
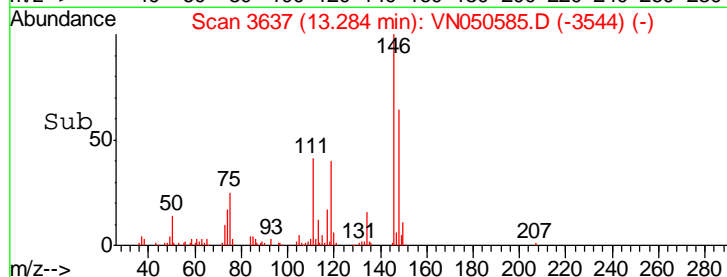
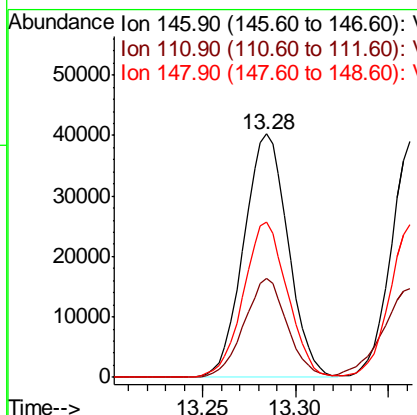
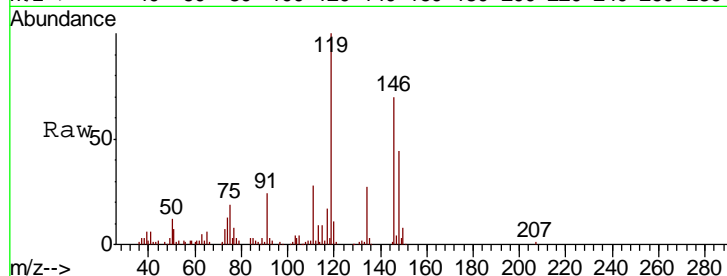
#87
 1,3-Dichlorobenzene
 Concen: 5.23 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
146	66761		
146	100		
111	39.4	19.2	57.6
148	63.3	31.9	95.7

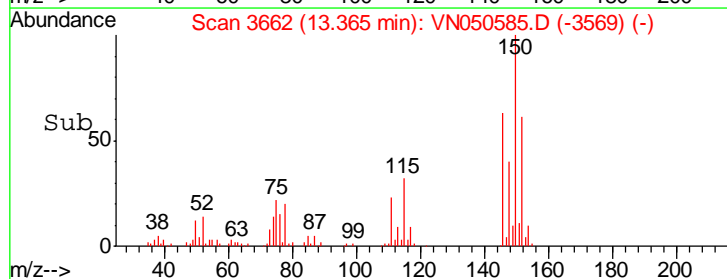
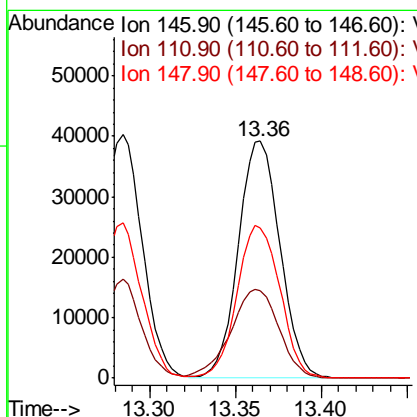
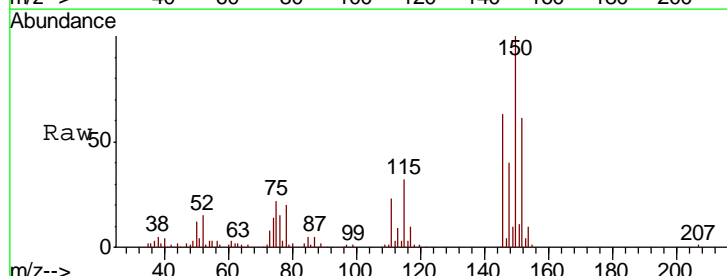
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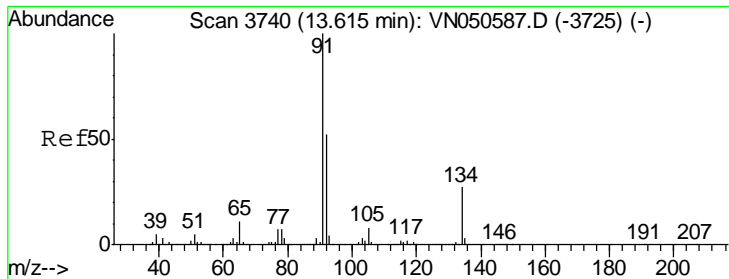
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#88
 1,4-Dichlorobenzene
 Concen: 5.21 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
146	66378		
146	100		
111	43.3	18.8	56.4
148	66.2	32.3	96.8





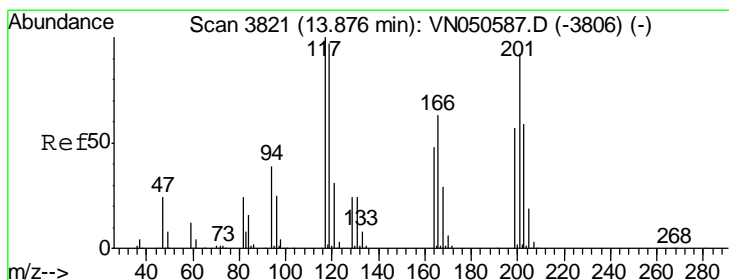
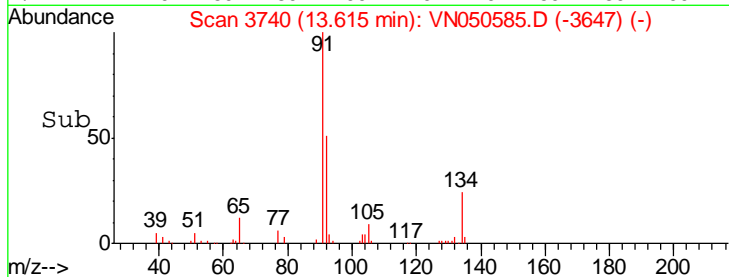
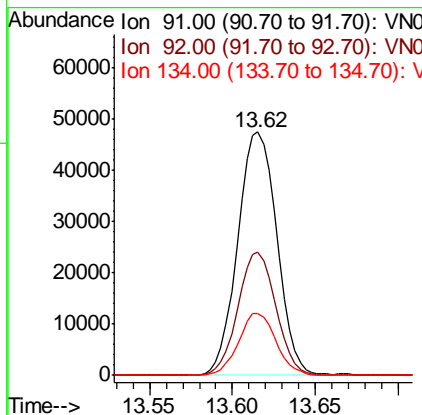
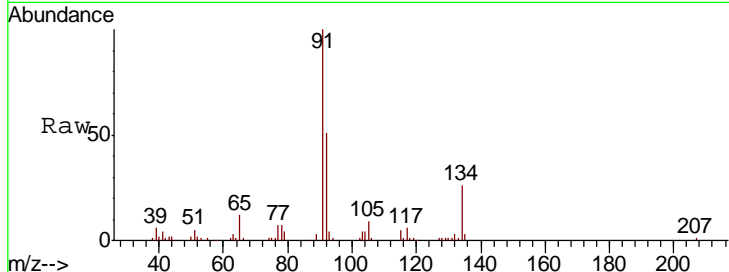
#89
 n-Butylbenzene
 Concen: 4.29 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 ClientSampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
91	100		
92	48.7	26.3	78.8
134	24.3	13.3	39.9

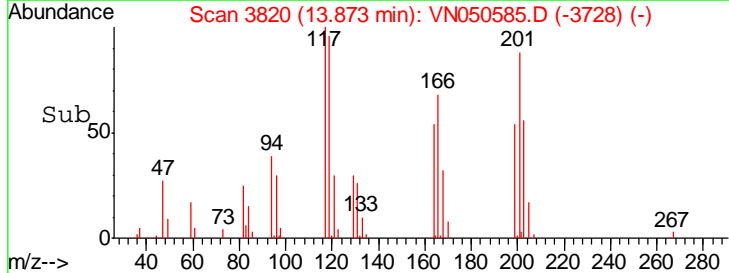
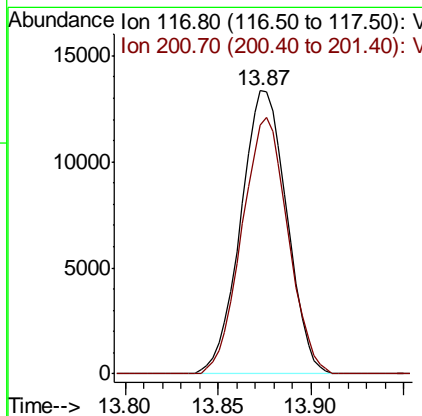
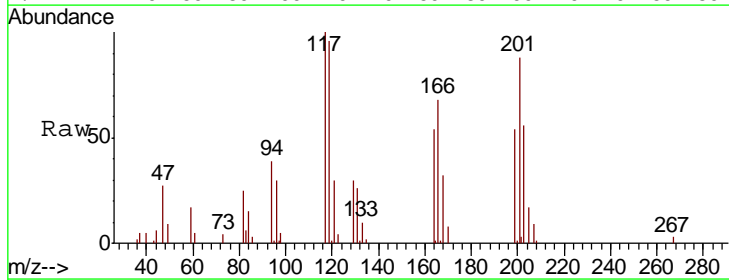
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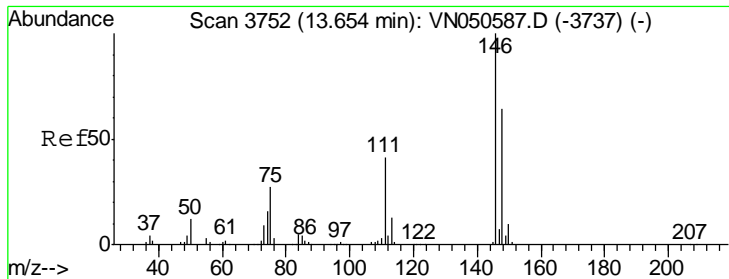
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#90
 Hexachloroethane
 Concen: 5.94 ug/l
 RT: 13.87 min Scan# 3820
 Delta R.T. -0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
117	100		
201	90.0	45.5	136.5





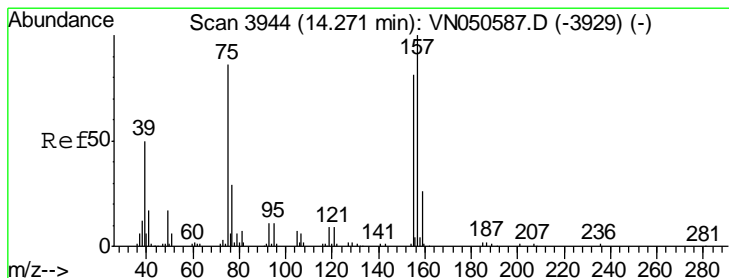
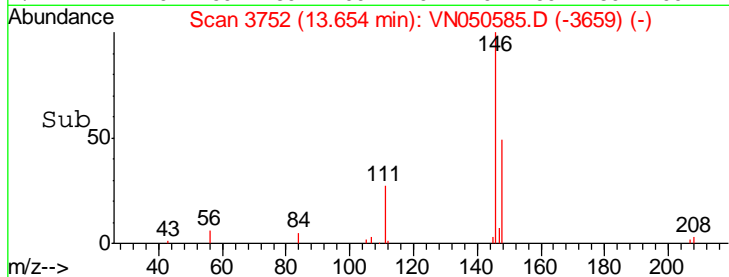
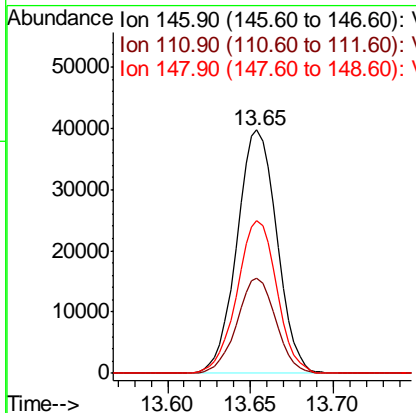
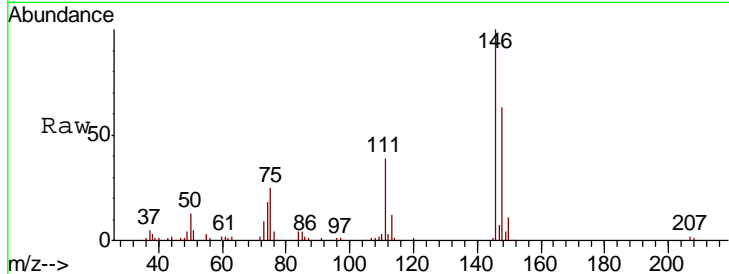
#91
 1,2-Dichlorobenzene
 Concen: 5.23 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC005

Tgt Ion	Resp	Lower	Upper
146	66588		
111	38.0	19.8	59.4
148	62.6	32.3	96.8

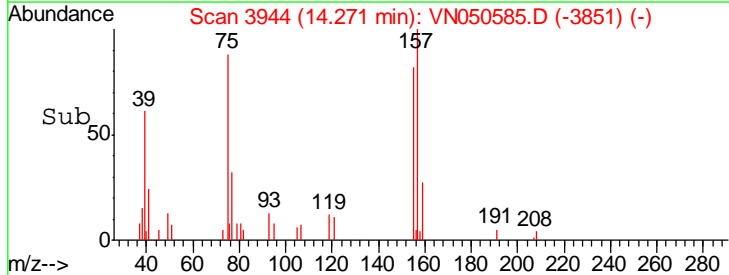
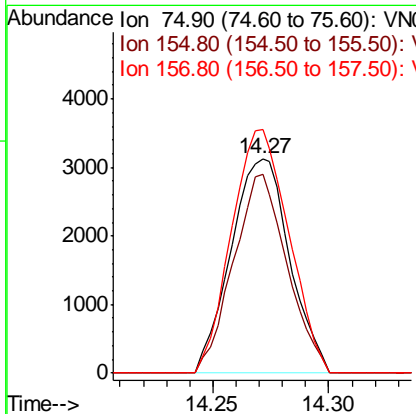
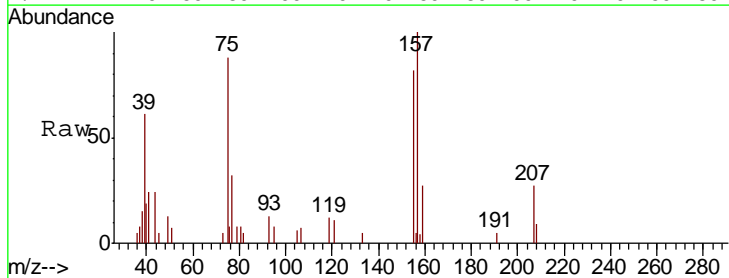
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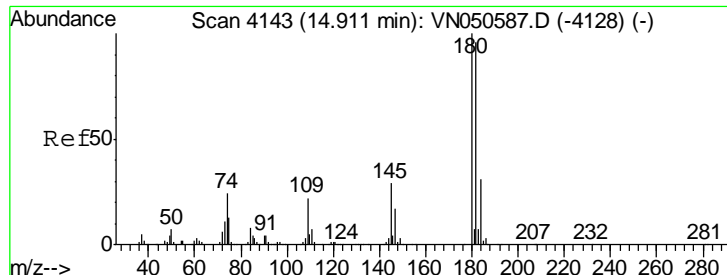
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.34 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
75	5497		
75	100		
155	85.1	46.6	139.8
157	111.0	58.1	174.2





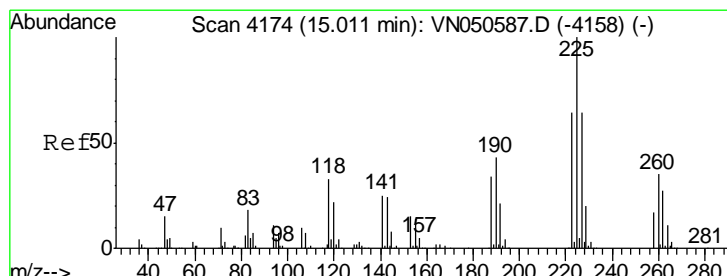
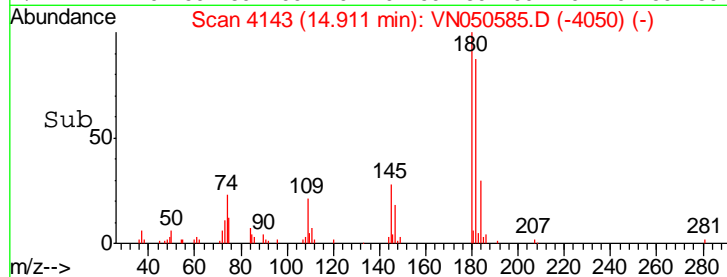
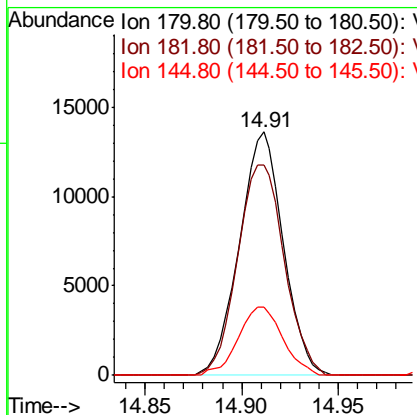
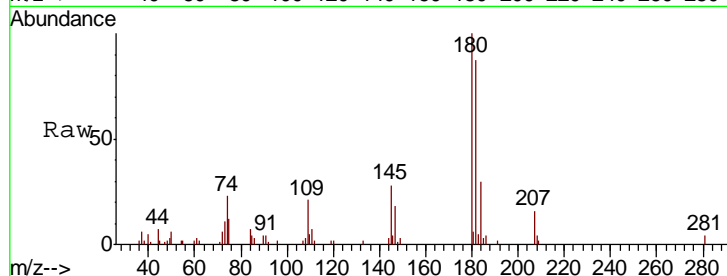
#93
 1,2,4-Trichlorobenzene
 Concen: 3.35 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
180	21475		
182	92.0	47.9	143.7
145	28.4	14.4	43.4

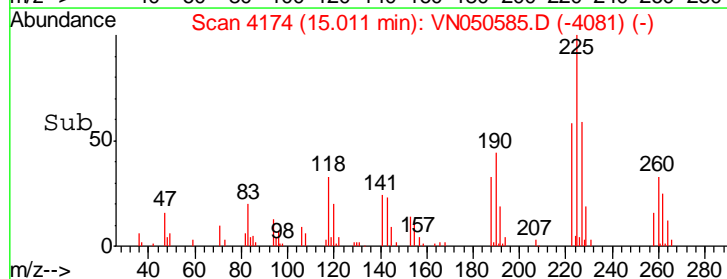
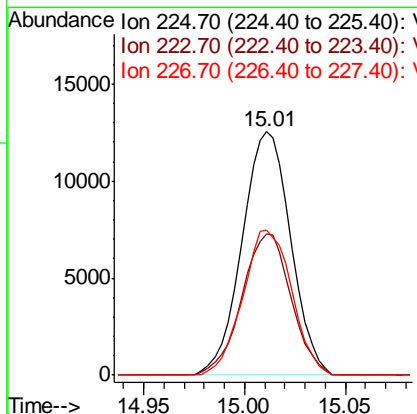
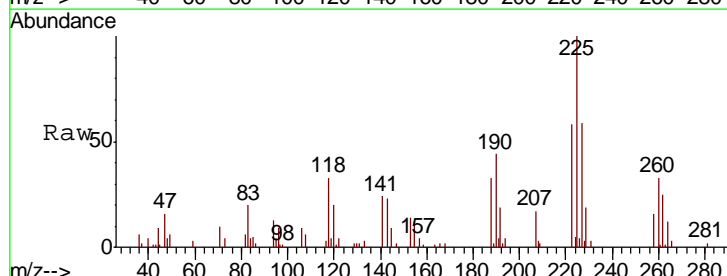
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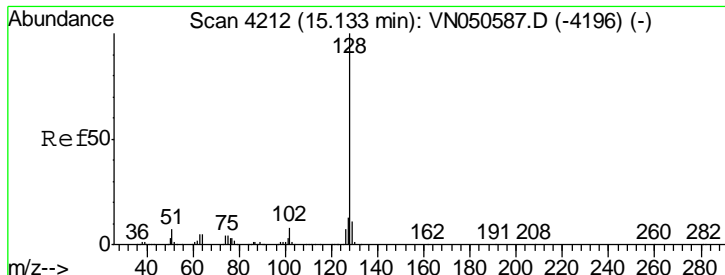
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#94
 Hexachlorobutadiene
 Concen: 4.53 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
225	21110		
223	58.7	32.1	96.3
227	60.2	32.0	96.2





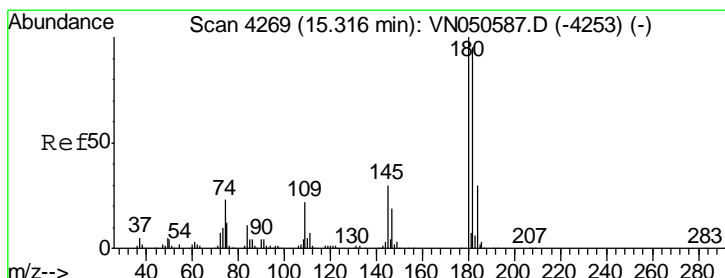
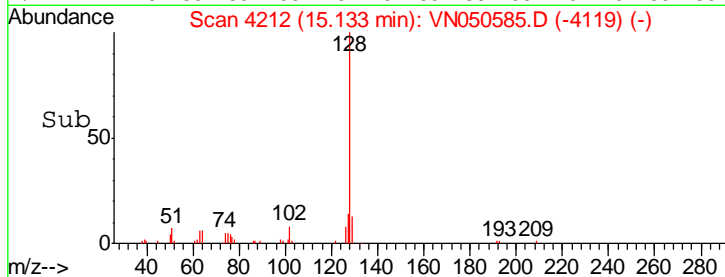
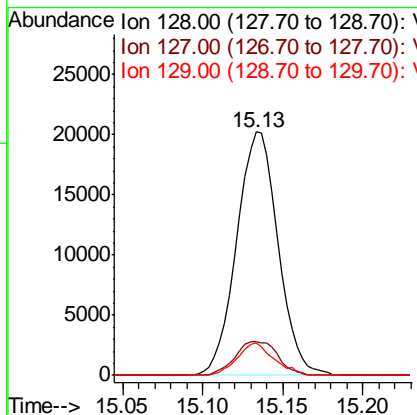
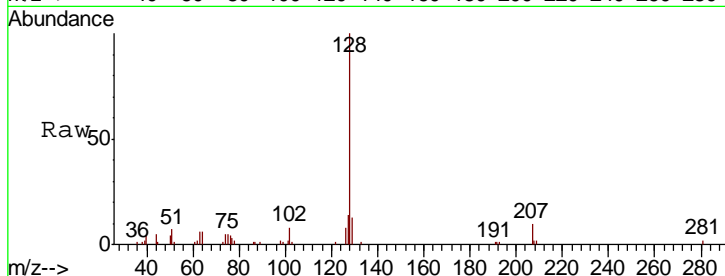
#95
 Naphthalene
 Concen: 2.47 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Instrument : MSVOA_N
 Client Sampled : VSTDIC005

Tgt Ion	Resp	Lower	Upper
128	35734		
127	14.2	10.3	15.5
129	11.7	8.5	12.7

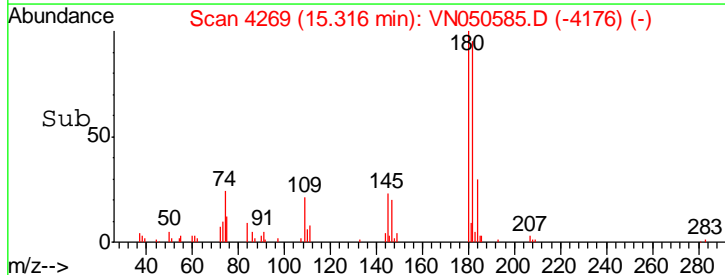
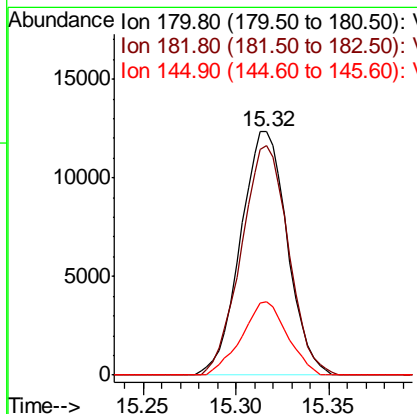
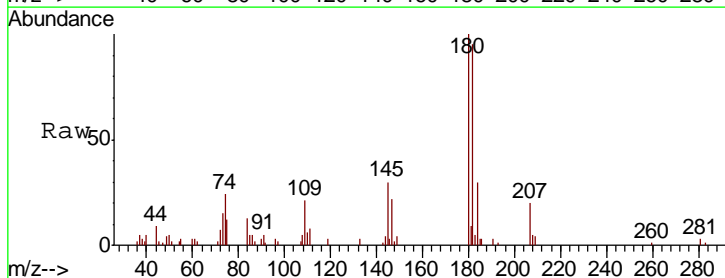
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#96
 1,2,3-Trichlorobenzene
 Concen: 3.35 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050585.D
 Acq: 14 Aug 2018 00:11

Tgt Ion	Resp	Lower	Upper
180	21692		
182	95.1	47.3	141.8
145	29.5	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050586.D
 Acq On : 14 Aug 2018 00:35
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

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 8/15/2018 3:21:04 PM

Quant Time: Aug 14 07:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	633245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	929429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	850474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	419908	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	157329	18.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.48%	
35) Dibromofluoromethane	7.59	113	143750	19.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.50%	
50) Toluene-d8	10.09	98	536169	19.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.20%	
62) 4-Bromofluorobenzene	12.40	95	169483	17.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	143232	20.36	ug/l	99
3) Chloromethane	2.06	50	179992	19.16	ug/l	99
4) Vinyl Chloride	2.18	62	186987	20.51	ug/l	99
5) Bromomethane	2.56	94	103292	18.48	ug/l	100
6) Chloroethane	2.70	64	111344	19.91	ug/l	98
7) Trichlorofluoromethane	3.01	101	243531	20.72	ug/l	97
8) Diethyl Ether	3.41	74	80297	18.79	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	149015	20.50	ug/l	99
10) Methyl Iodide	3.95	142	81313	23.15	ug/l	100
11) Tert butyl alcohol	4.80	59	43585	69.10	ug/l	99
12) 1,1-Dichloroethene	3.73	96	132143	19.32	ug/l	98
13) Acrolein	3.61	56	15720	23.29	ug/l	96
14) Allyl chloride	4.32	41	199972	18.35	ug/l	99
15) Acrylonitrile	4.99	53	234570	84.65	ug/l	99
16) Acetone	3.82	43	201240	76.11	ug/l	98
17) Carbon Disulfide	4.05	76	416499	18.72	ug/l	99
18) Methyl Acetate	4.33	43	114200	15.15	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	341293	17.89	ug/l	100
20) Methylene Chloride	4.55	84	156921	16.67	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	144392	19.52	ug/l	98
22) Diisopropyl ether	5.96	45	447885	20.03	ug/l	97
23) Vinyl Acetate	5.90	43	1418319	90.34	ug/l	99
24) 1,1-Dichloroethane	5.85	63	270981	19.69	ug/l	99
25) 2-Butanone	6.84	43	316027	78.52	ug/l	98
26) 2,2-Dichloropropane	6.83	77	180288	16.39	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159802	19.52	ug/l	100
28) Bromochloromethane	7.20	49	130974	20.65	ug/l	100
29) Tetrahydrofuran	7.22	42	167631	77.64	ug/l	100
30) Chloroform	7.37	83	277529	20.18	ug/l	99
31) Cyclohexane	7.66	56	234916	17.05	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	232786	19.71	ug/l	99
36) 1,1-Dichloropropene	7.80	75	204286	20.03	ug/l	98
37) Ethyl Acetate	6.93	43	118938	16.85	ug/l	98
38) Carbon Tetrachloride	7.78	117	208617	19.61	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050586.D
 Acq On : 14 Aug 2018 00:35
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 8/15/2018 3:21:04 PM

Quant Time: Aug 14 07:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	207768	18.68	ug/l	96
40) Benzene	8.04	78	628460	20.02	ug/l	100
41) Methacrylonitrile	7.18	41	62543	16.41	ug/l	98
42) 1,2-Dichloroethane	8.13	62	193137	19.56	ug/l	99
43) Isopropyl Acetate	8.17	43	214165	17.39	ug/l	99
44) Trichloroethene	8.84	130	164045	19.43	ug/l	97
45) 1,2-Dichloropropane	9.12	63	165100	20.01	ug/l	99
46) Dibromomethane	9.21	93	96860	19.22	ug/l	98
47) Bromodichloromethane	9.40	83	205060	19.45	ug/l	100
48) Methyl methacrylate	9.20	41	103404	16.82	ug/l	98
49) 1,4-Dioxane	9.20	88	27544	294.69	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	735883	83.68	ug/l	99
52) Toluene	10.16	92	387083	20.55	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	189801	18.14	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	224381	19.11	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	138518	19.01	ug/l	99
56) Ethyl methacrylate	10.43	69	157945	17.41	ug/l	99
57) 1,3-Dichloropropane	10.71	76	231341	19.32	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	377032	88.98	ug/l	100
59) 2-Hexanone	10.75	43	466274	76.46	ug/l	99
60) Dibromochloromethane	10.90	129	153384	19.08	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132556	18.53	ug/l	99
64) Tetrachloroethene	10.63	164	158710	20.00	ug/l	97
65) Chlorobenzene	11.43	112	416943	19.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	154568	19.86	ug/l	99
67) Ethyl Benzene	11.51	91	682406	19.79	ug/l	99
68) m/p-Xylenes	11.62	106	538449	40.98	ug/l	99
69) o-Xylene	11.95	106	252233	19.97	ug/l	98
70) Styrene	11.96	104	415736	20.29	ug/l	100
71) Bromoform	12.13	173	102623	18.38	ug/l #	100
73) Isopropylbenzene	12.25	105	667380	21.02	ug/l	99
74) N-amyl acetate	12.07	43	169835	17.11	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	169019	18.86	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	150927m	19.89	ug/l	
77) Bromobenzene	12.53	156	173694	20.45	ug/l	98
78) n-propylbenzene	12.59	91	756549	21.07	ug/l	99
79) 2-Chlorotoluene	12.67	91	461743	20.81	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	556486	21.64	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35931	17.13	ug/l	96
82) 4-Chlorotoluene	12.77	91	470535	21.28	ug/l	99
83) tert-Butylbenzene	12.99	119	458109	20.47	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	566422	21.75	ug/l	99
85) sec-Butylbenzene	13.17	105	616851	20.64	ug/l	100
86) p-Isopropyltoluene	13.29	119	527638	20.63	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	301471	20.01	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	291932	19.42	ug/l	99
89) n-Butylbenzene	13.62	91	398246	18.42	ug/l	98
90) Hexachloroethane	13.88	117	94579	20.61	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	293579	19.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22087	14.78	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050586.D
 Acq On : 14 Aug 2018 00:35
 Operator : MD\SY
 Sample : VSTDICC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
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Quant Time: Aug 14 07:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	124128	16.42	ug/l	98
94) Hexachlorobutadiene	15.01	225	86763	15.75	ug/l	98
95) Naphthalene	15.13	128	241886	14.15	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	122308	16.01	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

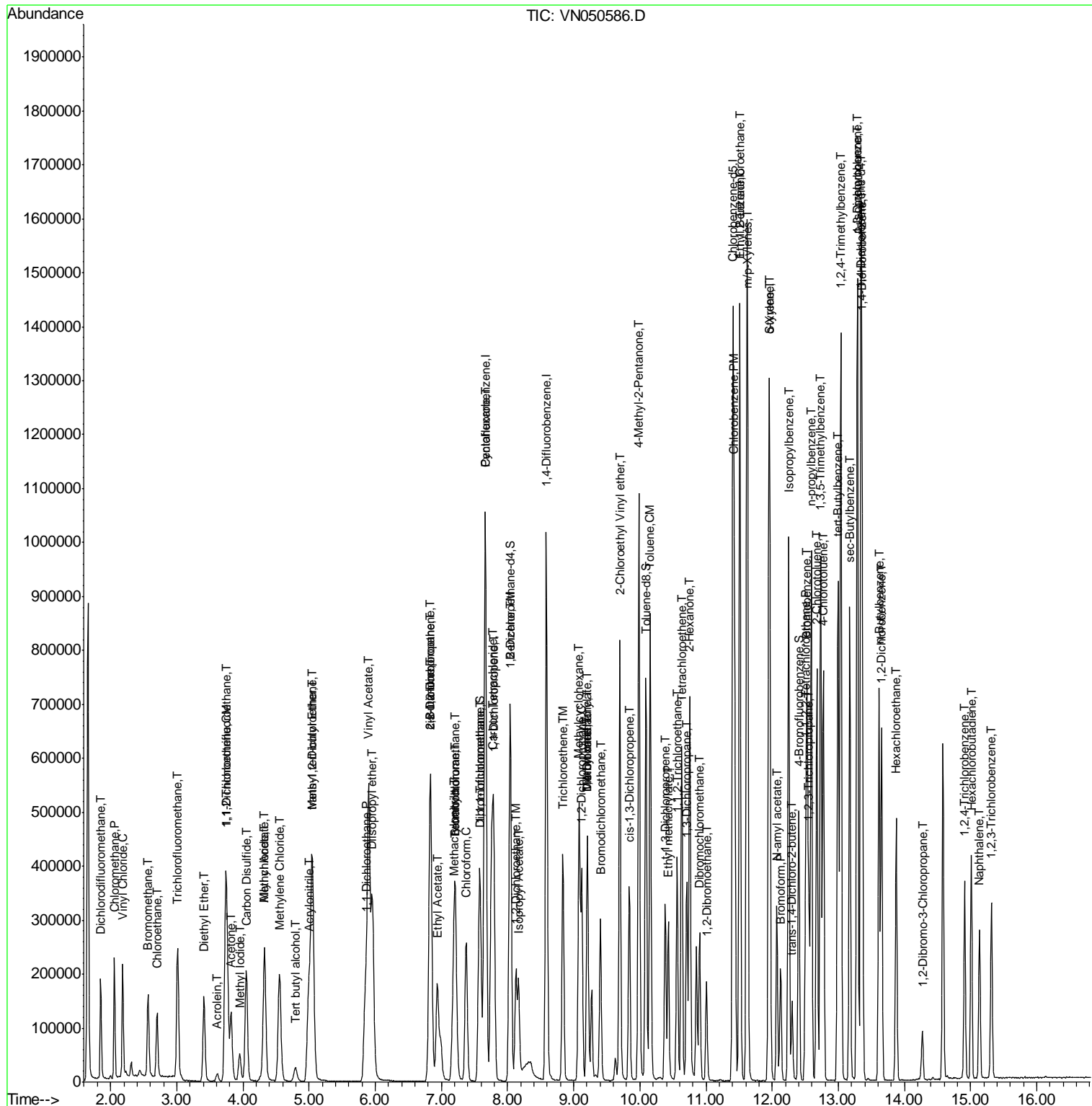
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 Data File : VN050586.D
 Acq On : 14 Aug 2018 00:35
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

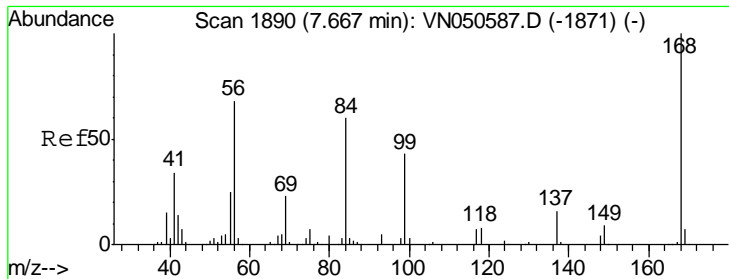
Manual Integrations
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Quant Time: Aug 14 07:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
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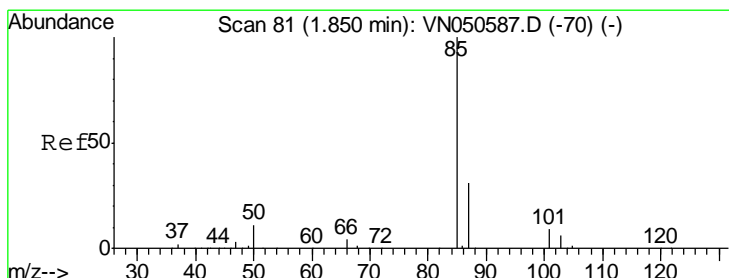
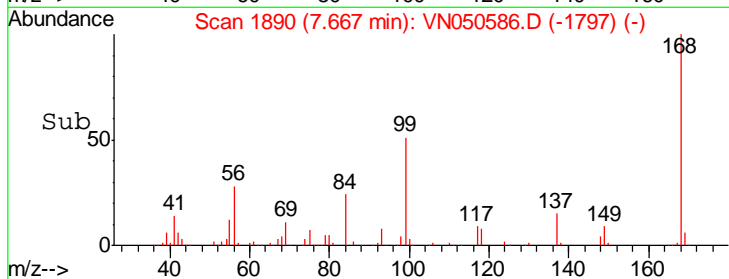
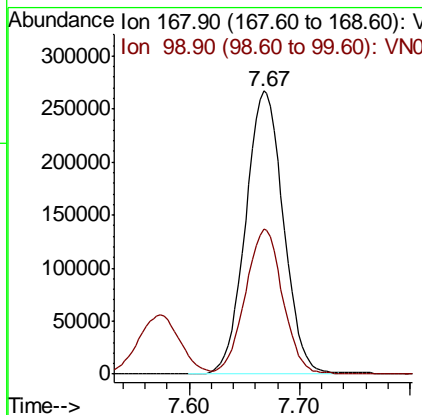
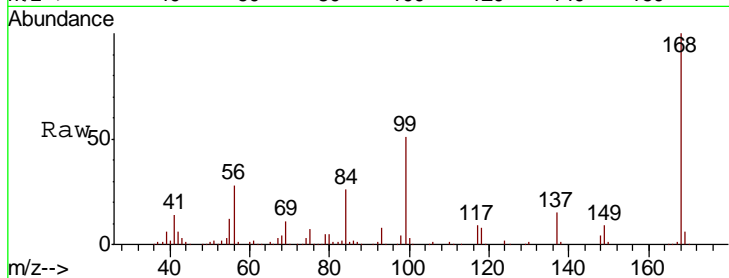
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.9	40.8	61.2

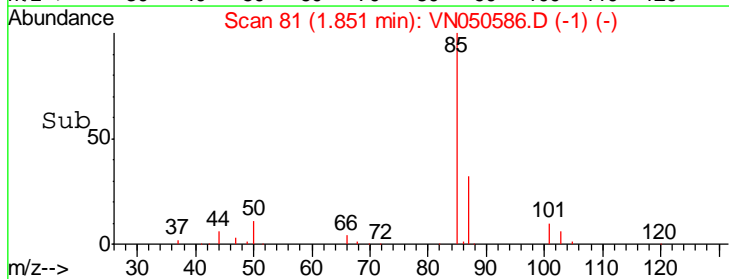
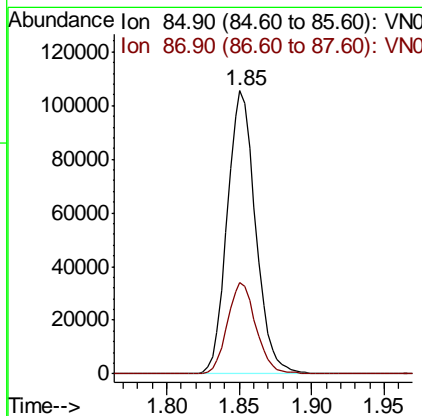
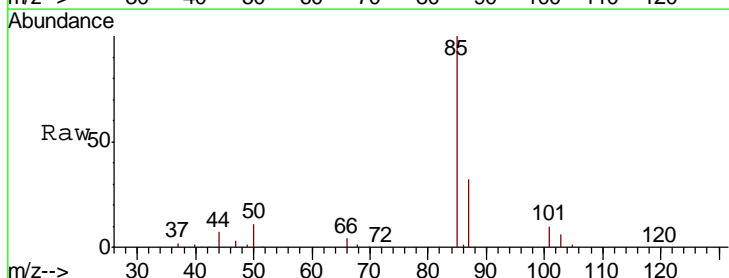
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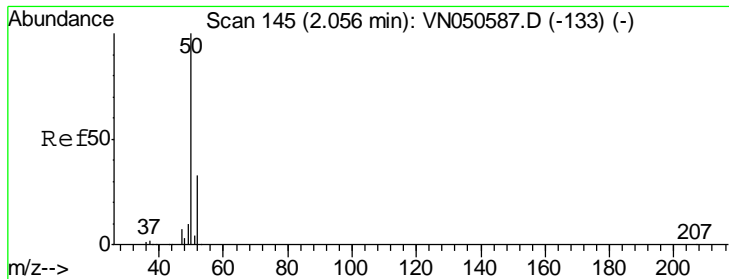
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#2
 Dichlorodifluoromethane
 Concen: 20.36 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.2	15.8	47.3





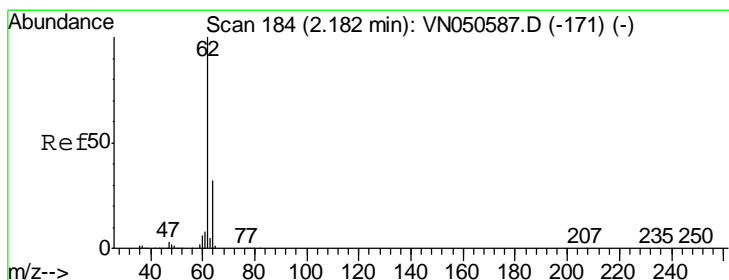
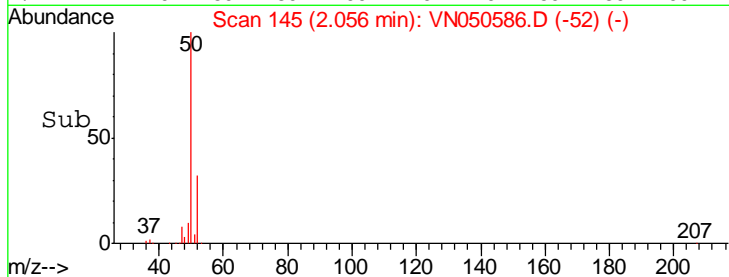
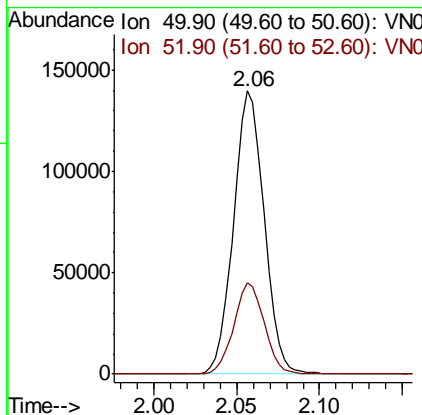
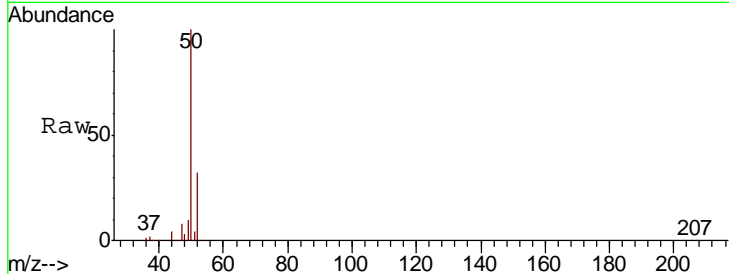
#3
 Chloromethane
 Concen: 19.16 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
50	179992		
52	32.1	26.0	39.0

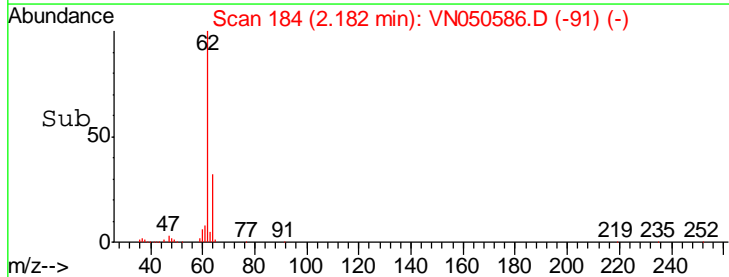
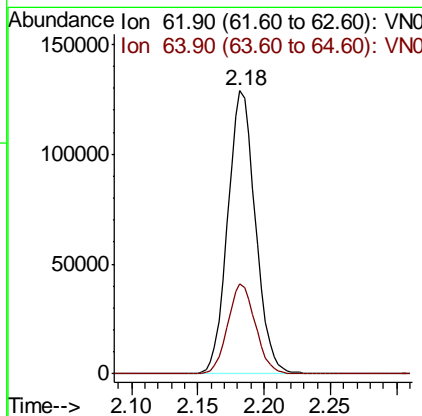
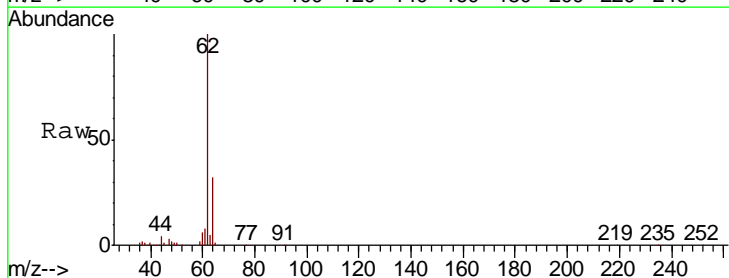
Manual Integrations
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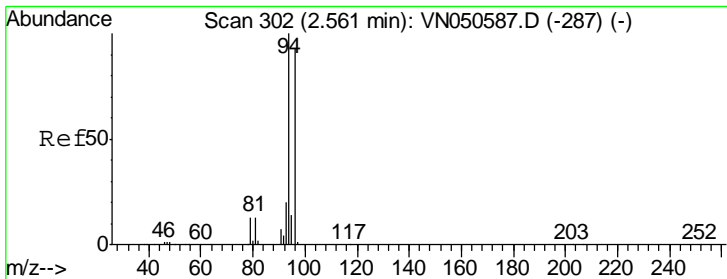
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#4
 Vinyl Chloride
 Concen: 20.51 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
62	186987		
64	31.8	25.2	37.8





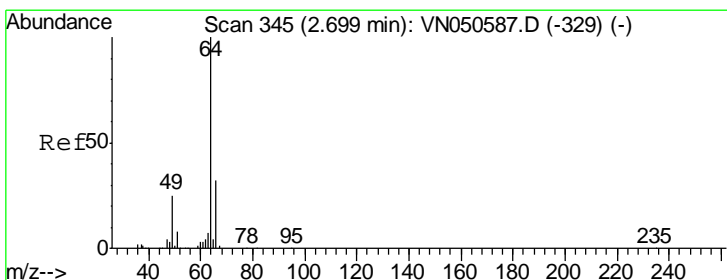
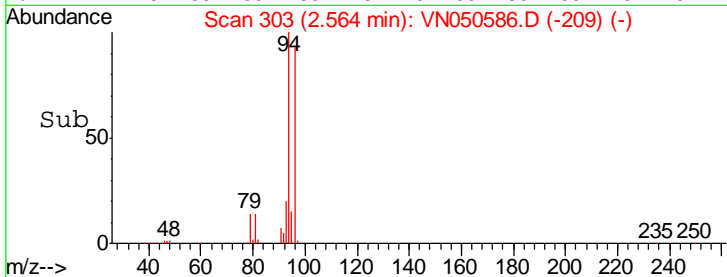
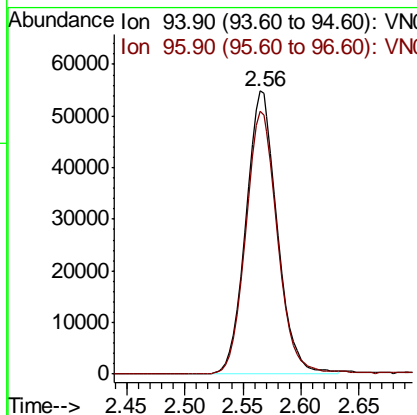
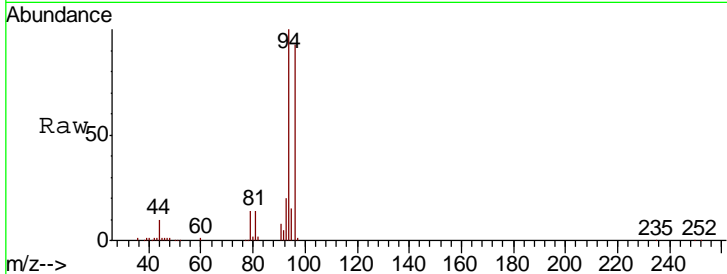
#5
 Bromomethane
 Concen: 18.48 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
94	103292		
96	92.7	74.0	111.0

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

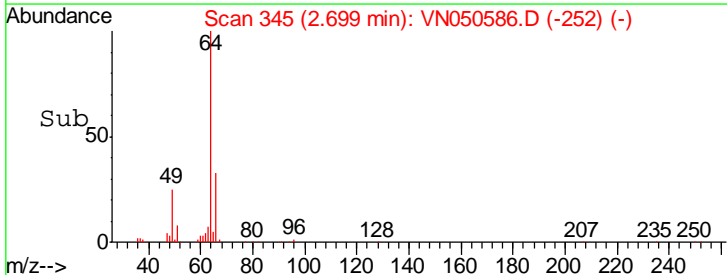
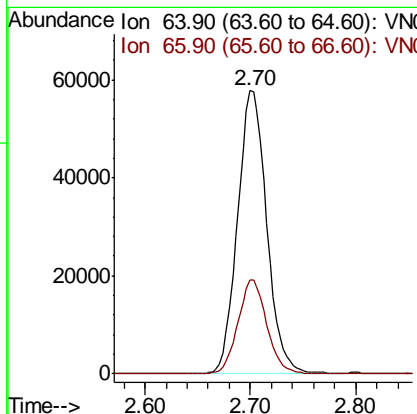
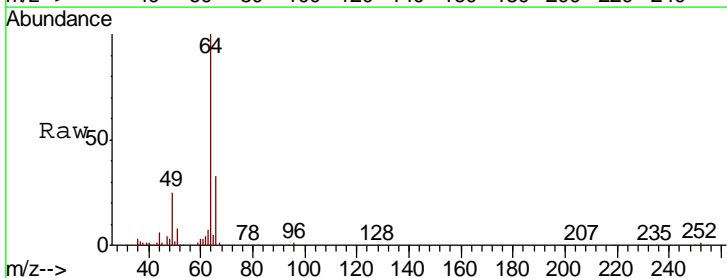
Manual Integrations APPROVED

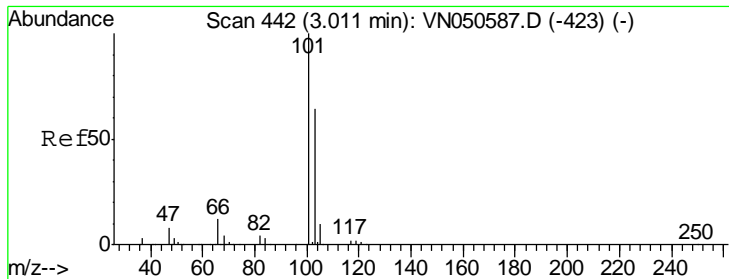
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 8/15/2018 3:21:04 PM



#6
 Chloroethane
 Concen: 19.91 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
64	111344		
66	33.1	25.7	38.5





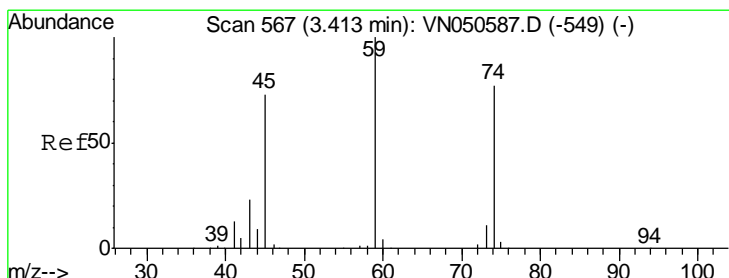
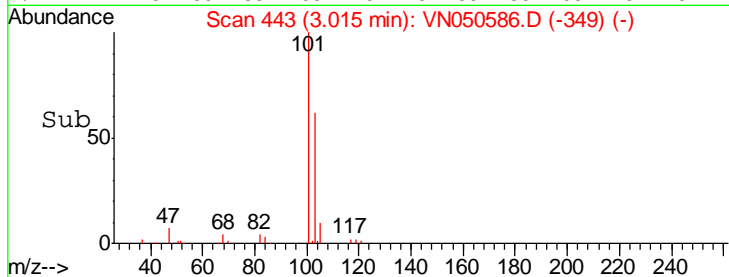
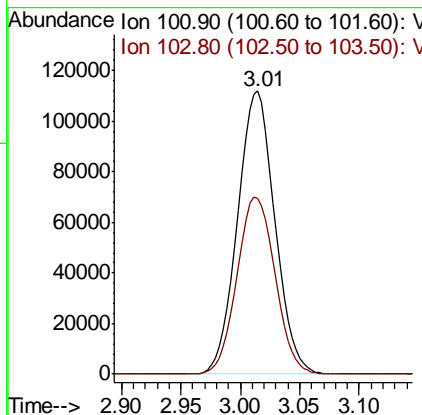
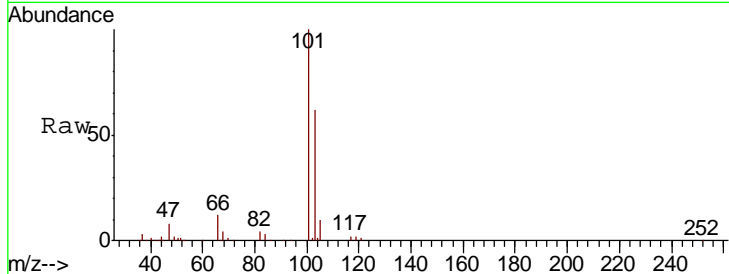
#7
 Trichlorofluoromethane
 Concen: 20.72 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
101	243531		
103	62.0	51.4	77.0

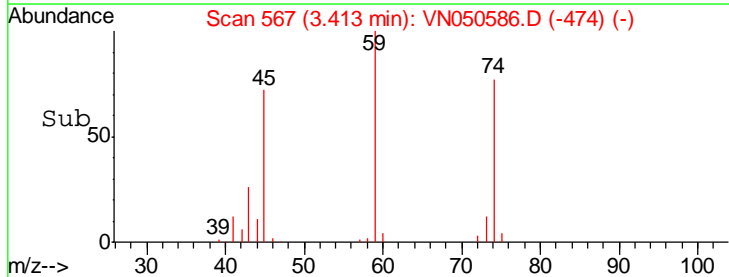
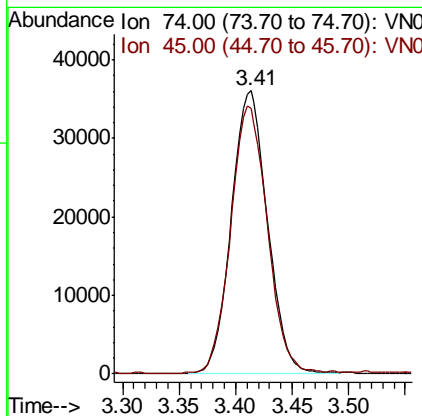
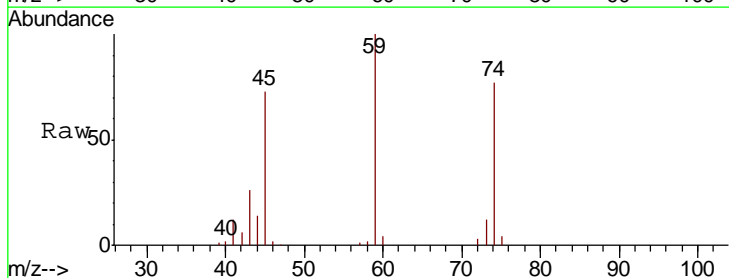
Manual Integrations
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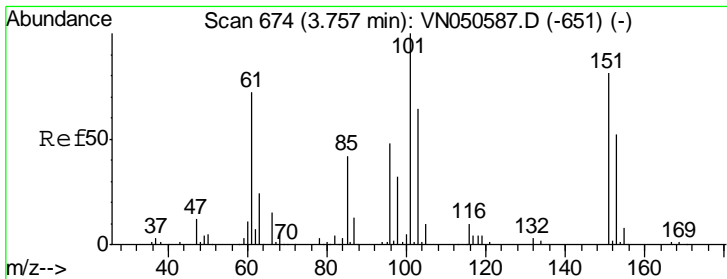
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 8/15/2018 3:21:04 PM



#8
 Diethyl Ether
 Concen: 18.79 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

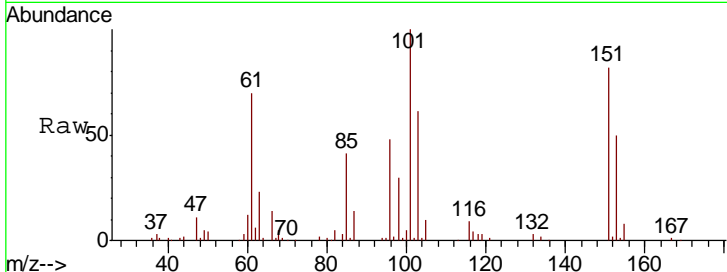
Tgt Ion	Resp	Lower	Upper
74	80297		
45	96.2	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.50 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

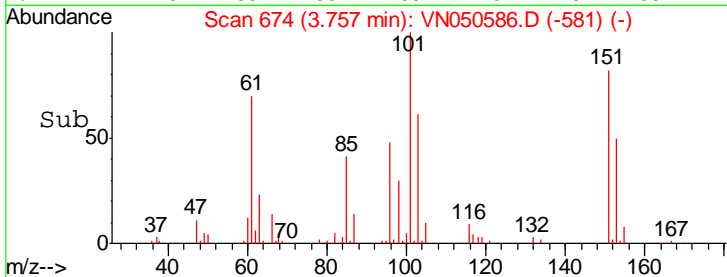
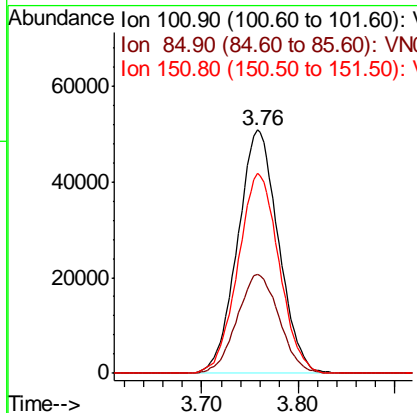


Tgt Ion: 101 Resp: 149015

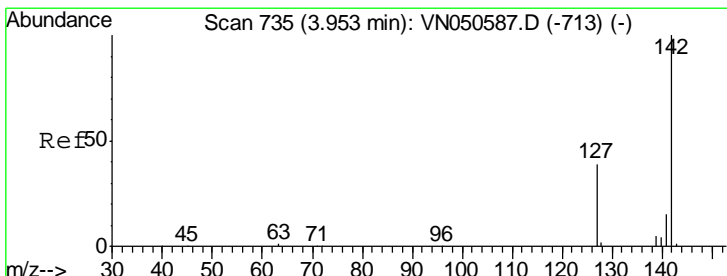
Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.4	50.0
151	82.6	66.6	100.0

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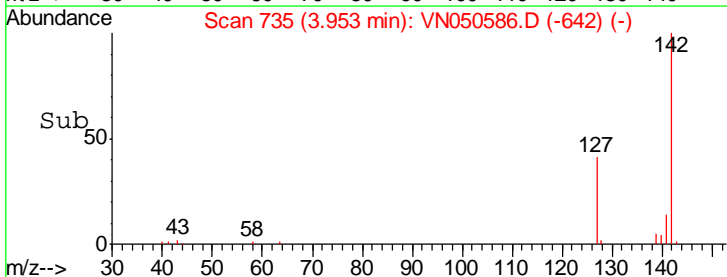
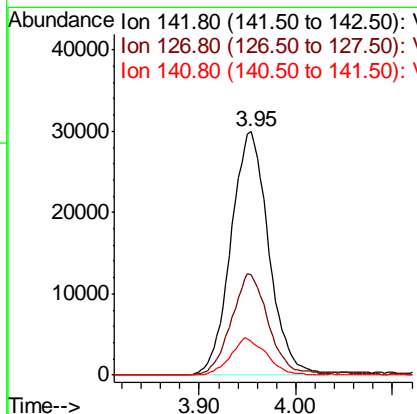
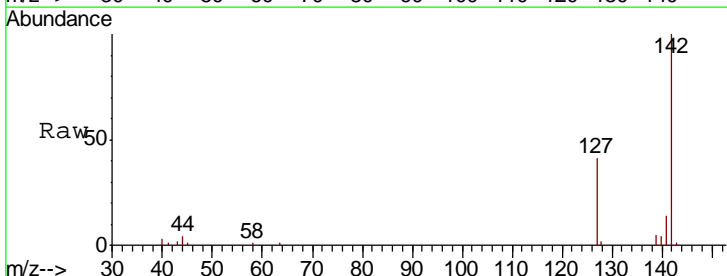


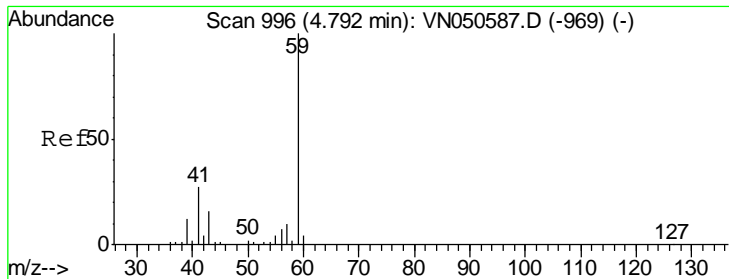
#10
 Methyl Iodide
 Concen: 23.15 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35



Tgt Ion: 142 Resp: 81313

Ion	Ratio	Lower	Upper
142	100		
127	40.9	32.6	49.0
141	14.3	11.5	17.3





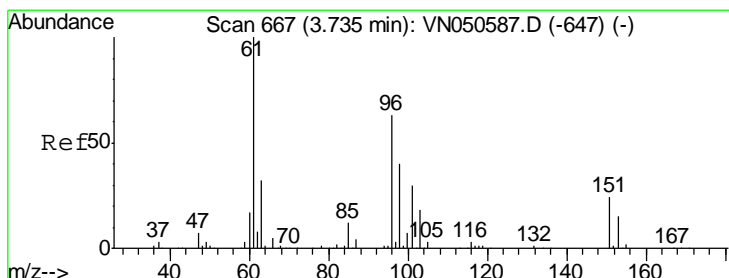
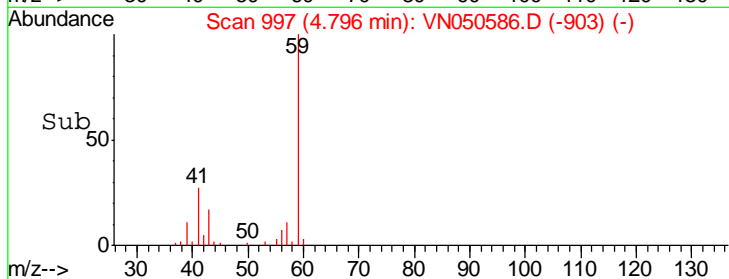
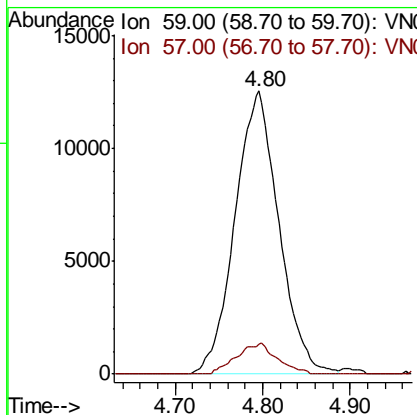
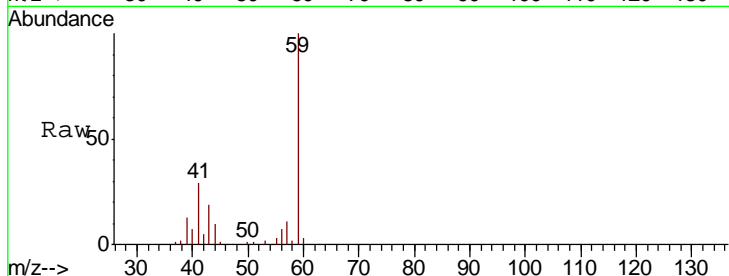
#11
 Tert butyl alcohol
 Concen: 69.10 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.1	8.4	12.6

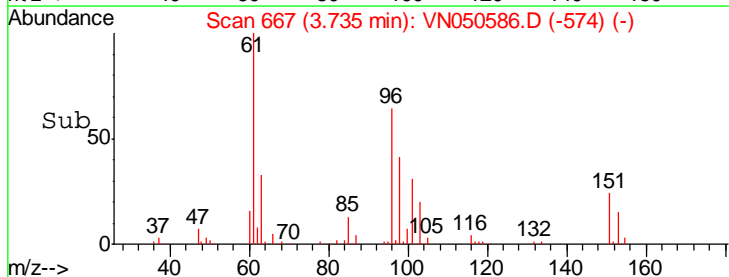
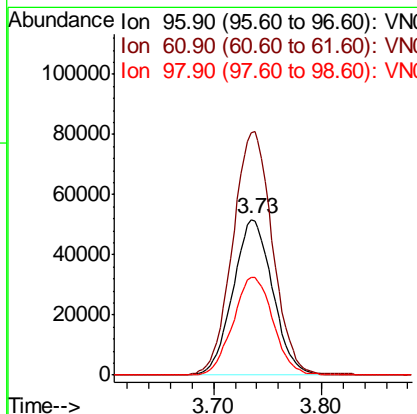
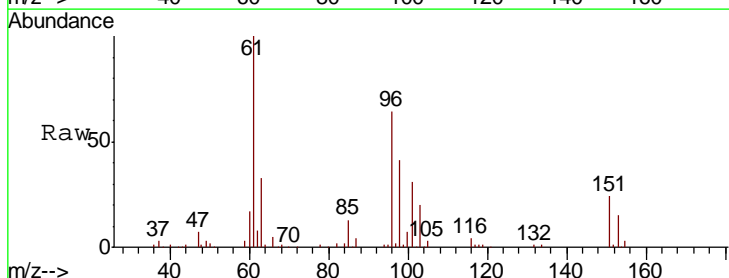
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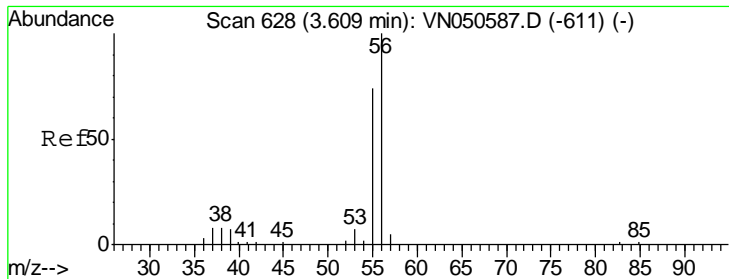
MMDadoda
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#12
 1,1-Dichloroethene
 Concen: 19.32 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
96	100		
61	155.1	126.9	190.3
98	63.0	51.1	76.7





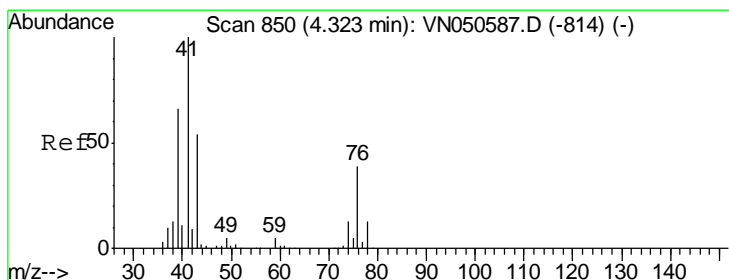
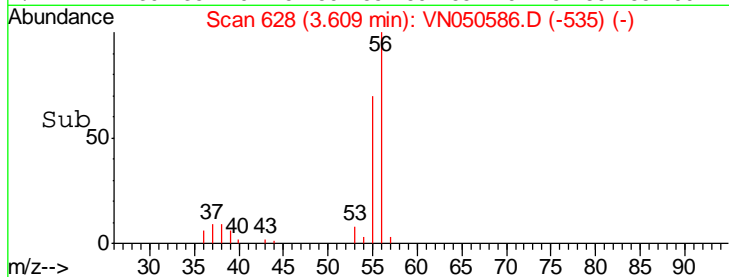
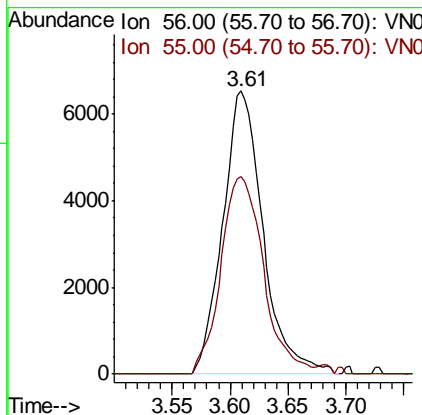
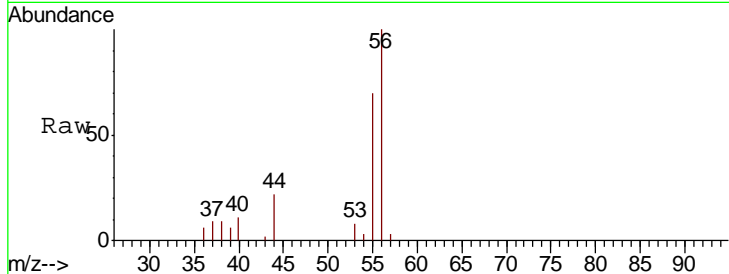
#13
 Acrolein
 Concen: 23.29 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	15720		
55	73.9	56.3	84.5

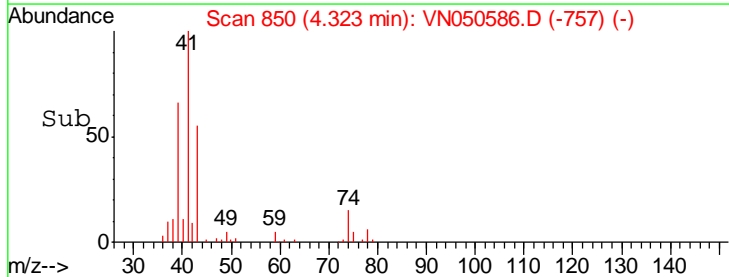
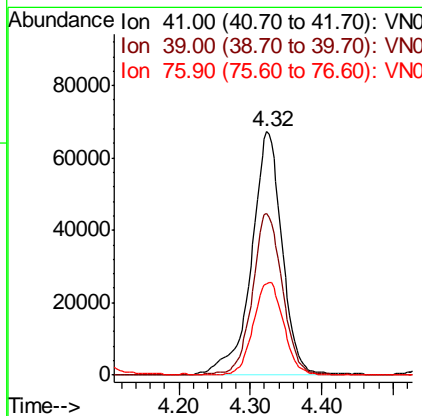
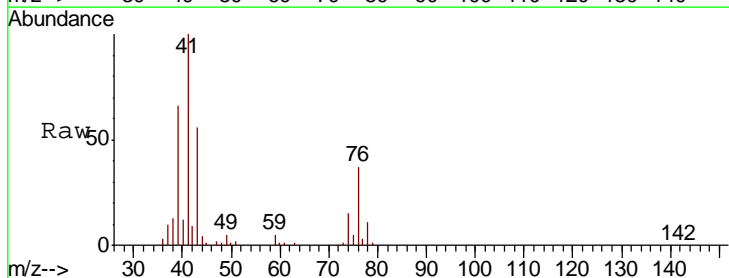
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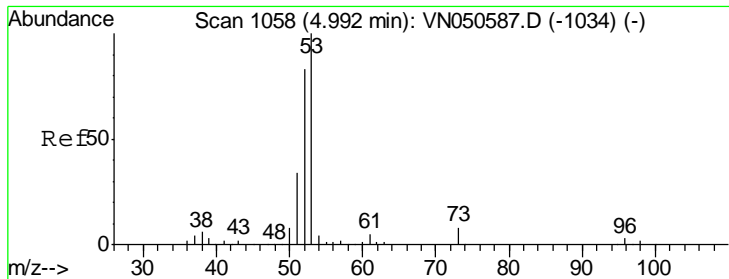
MMDadoda
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#14
 Allyl chloride
 Concen: 18.35 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
41	199972		
39	64.8	51.4	77.0
76	37.7	29.4	44.0





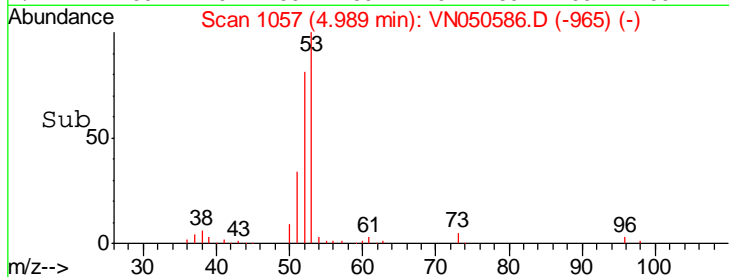
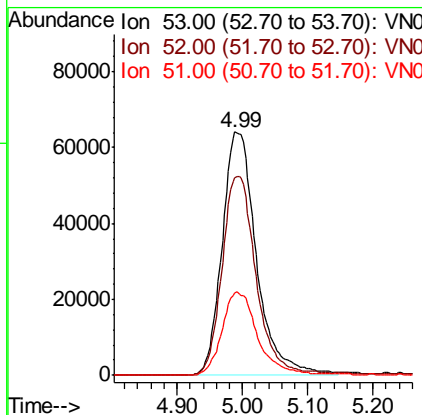
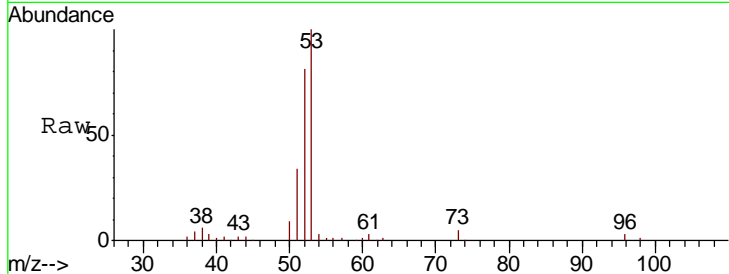
#15
 Acrylonitrile
 Concen: 84.65 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	35.4	28.6	43.0

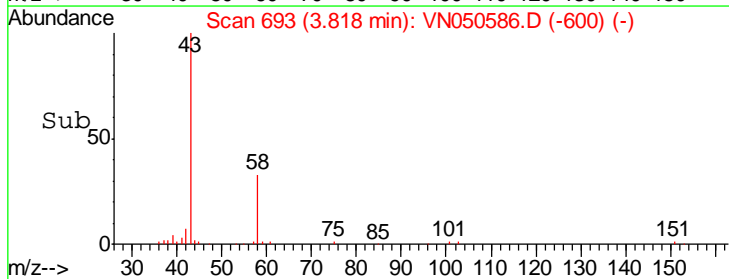
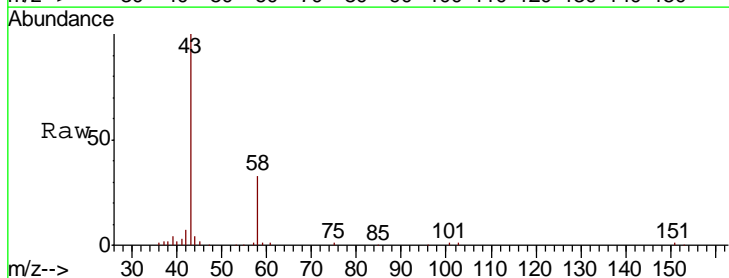
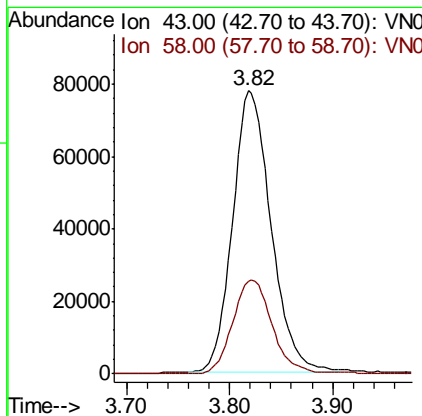
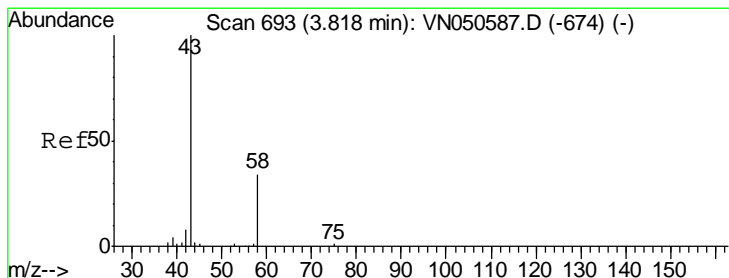
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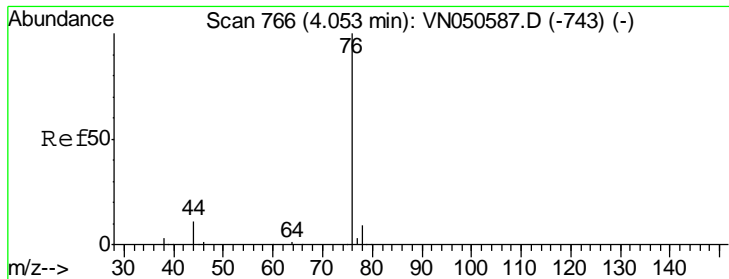
MMDadoda
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#16
 Acetone
 Concen: 76.11 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.9	27.1	40.7





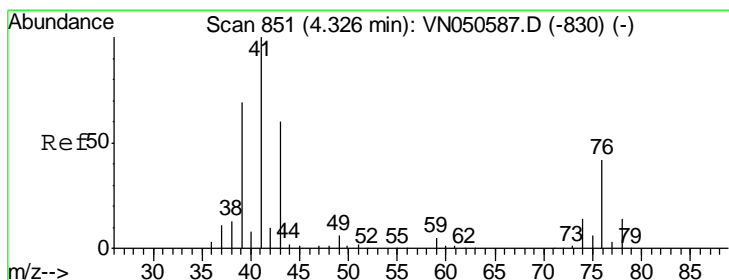
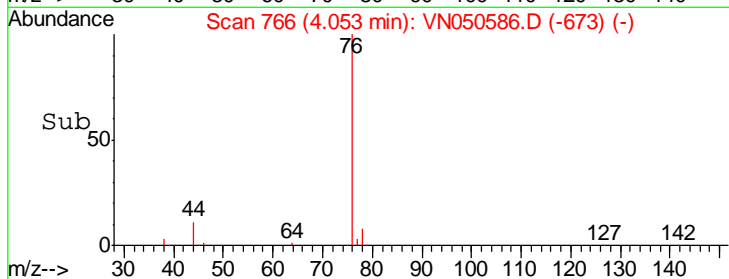
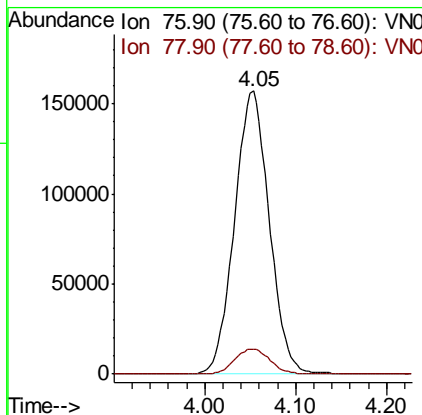
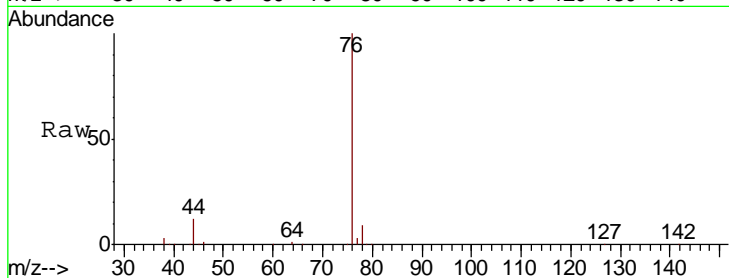
#17
 Carbon Disulfide
 Concen: 18.72 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	416499		
76	100		
78	8.9	7.3	10.9

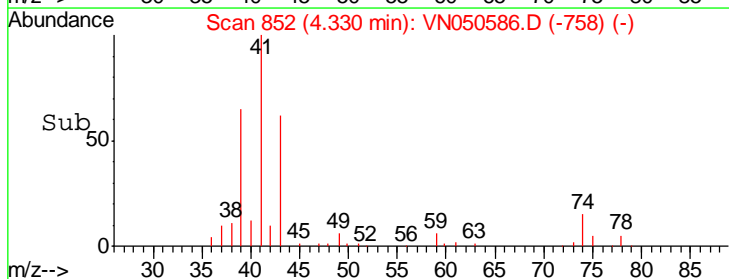
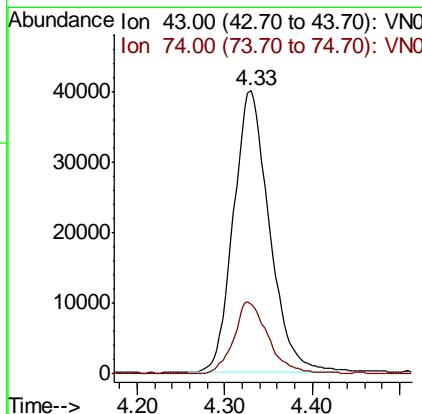
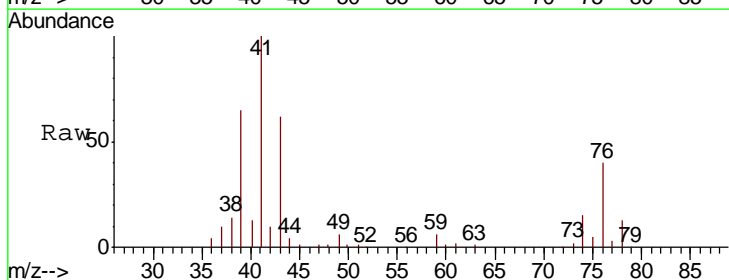
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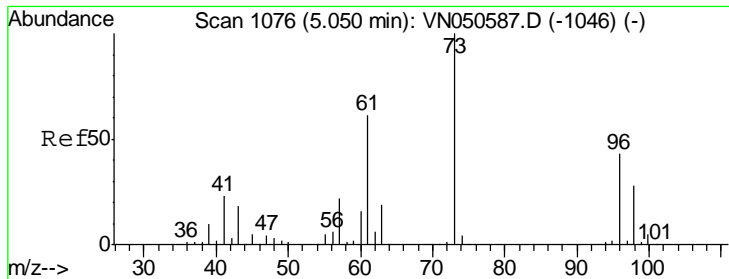
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#18
 Methyl Acetate
 Concen: 15.15 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
43	114200		
43	100		
74	24.4	19.7	29.5



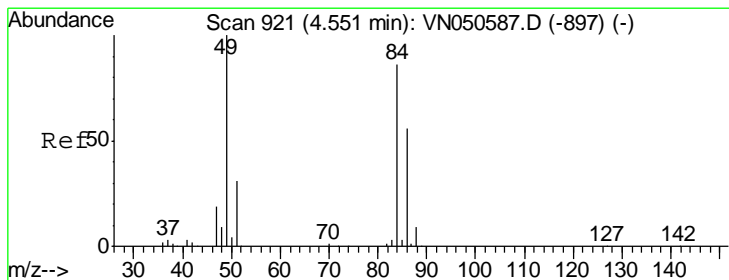
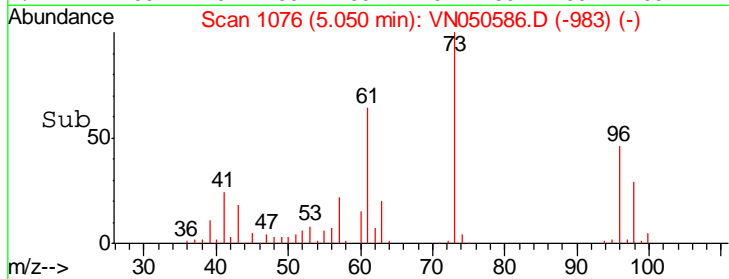
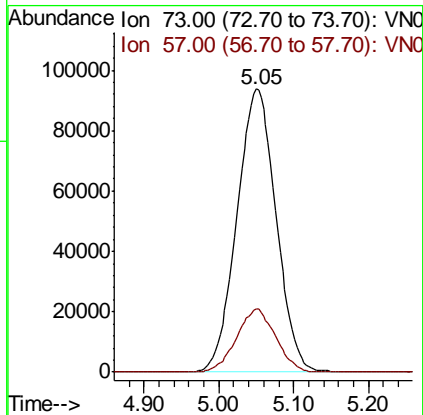
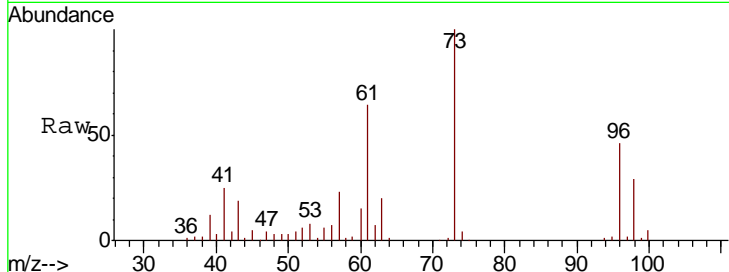


#19
 Methyl tert-butyl Ether
 Concen: 17.89 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
73	341293		
73	100		
57	22.5	17.9	26.9

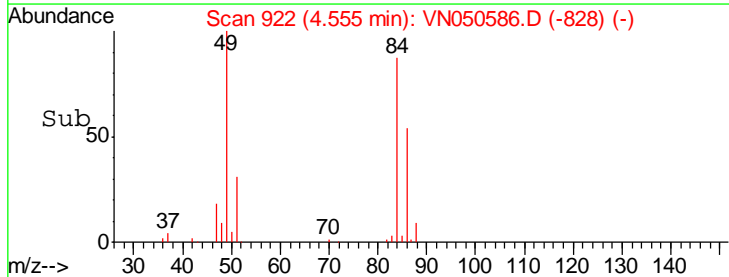
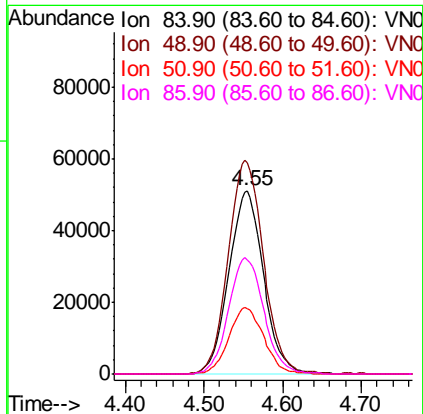
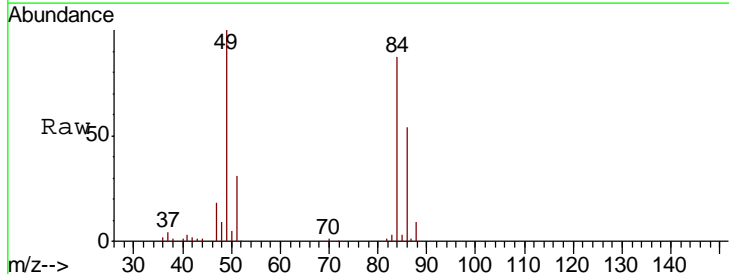
Instrument : MSVOA_N
 Client Sampled : VN050586.D
 VSTDIC020

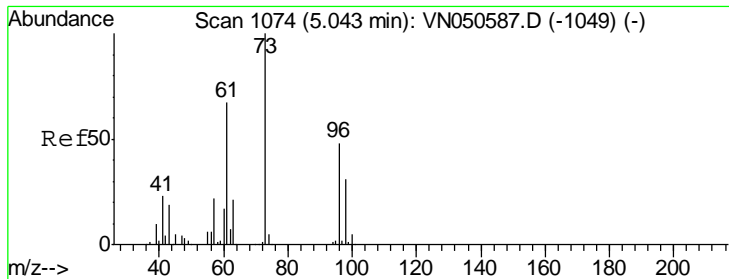
Manual Integrations
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 8/15/2018 3:21:04 PM



#20
 Methylene Chloride
 Concen: 16.67 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

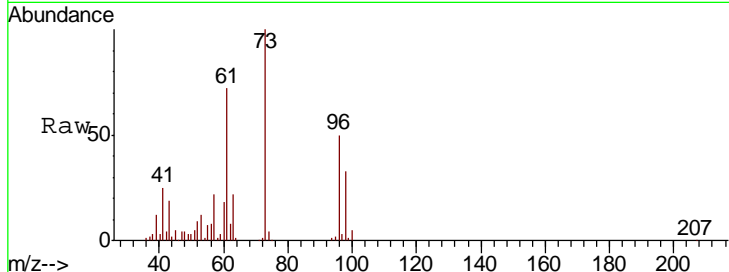
Tgt Ion	Resp	Lower	Upper
84	156921		
84	100		
49	114.8	92.6	138.8
51	35.6	28.6	43.0
86	62.2	52.2	78.2





#21
 trans-1,2-Dichloroethene
 Concen: 19.52 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

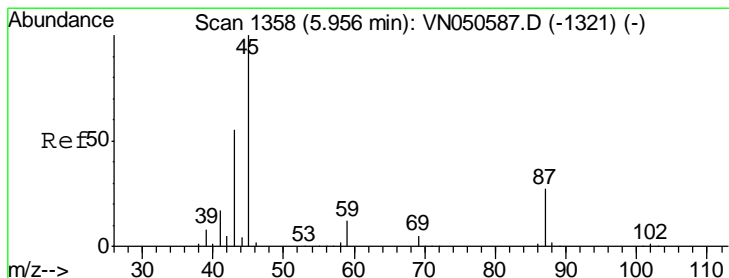
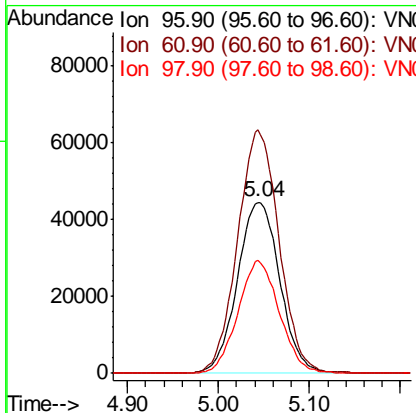
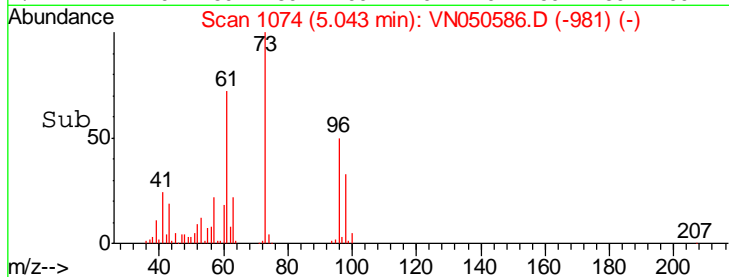
Instrument : MSVOA_N
 ClientSampled : VSTDIC020



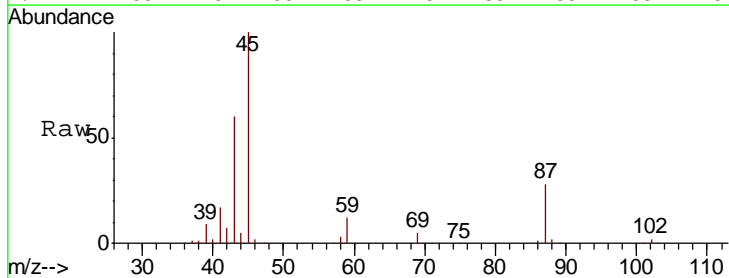
Tgt Ion: 96 Resp: 144392

Ion	Ratio	Lower	Upper
96	100		
61	142.2	111.2	166.8
98	66.1	51.6	77.4

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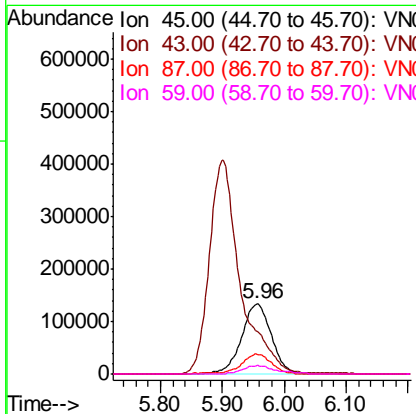
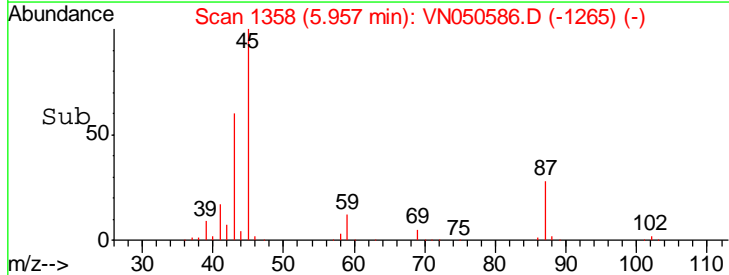


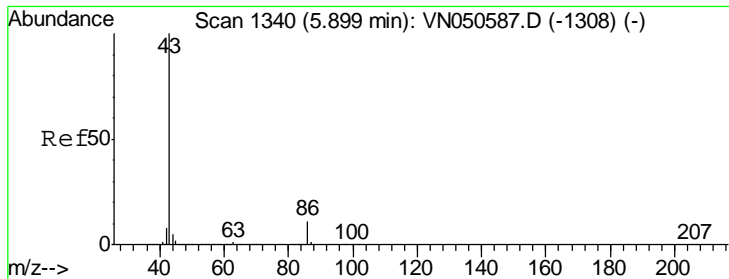
#22
 Diisopropyl ether
 Concen: 20.03 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35



Tgt Ion: 45 Resp: 447885

Ion	Ratio	Lower	Upper
45	100		
43	58.8	44.5	66.7
87	27.9	22.2	33.2
59	11.9	9.5	14.3





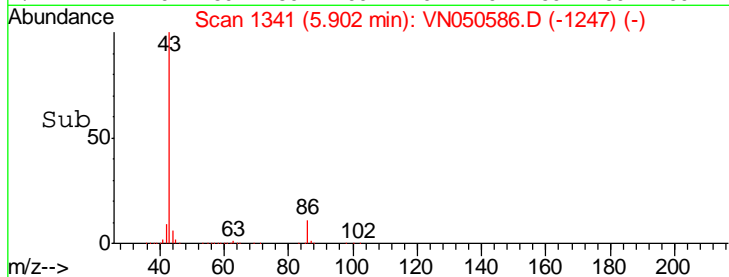
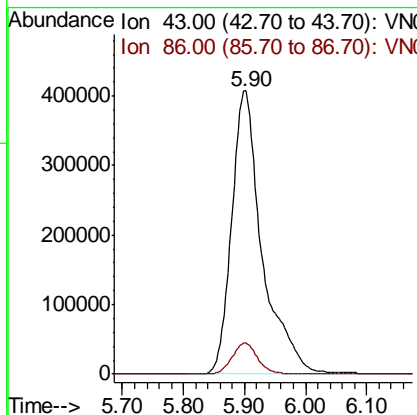
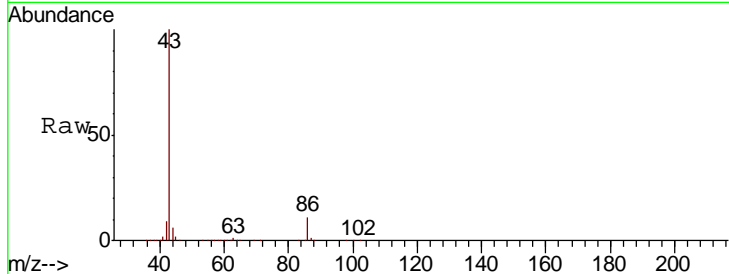
#23
 Vinyl Acetate
 Concen: 90.34 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.8	8.4	12.6

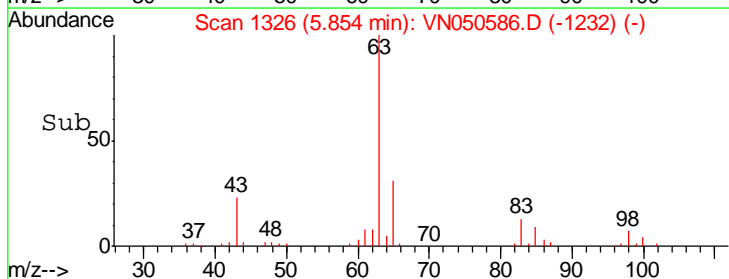
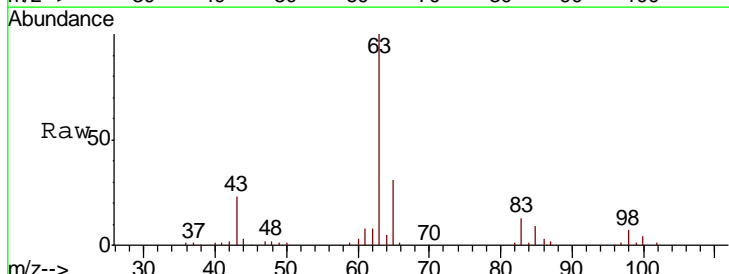
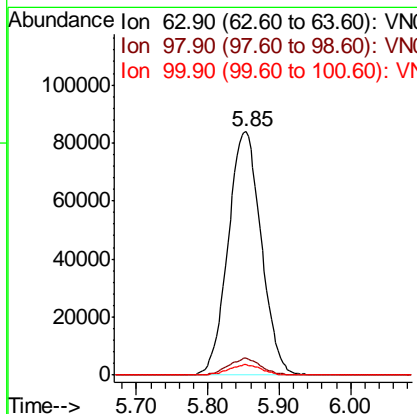
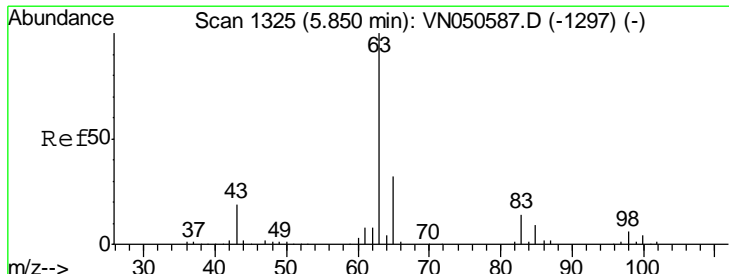
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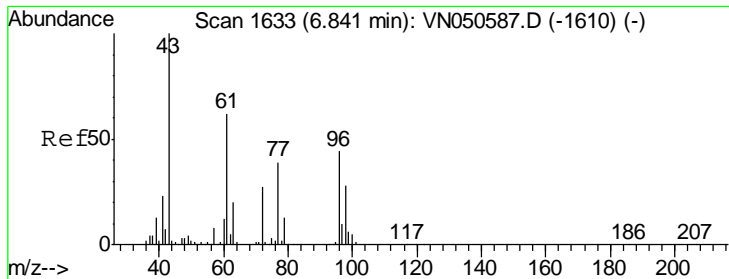
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#24
 1,1-Dichloroethane
 Concen: 19.69 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.9	3.2	9.6
100	4.3	2.1	6.5





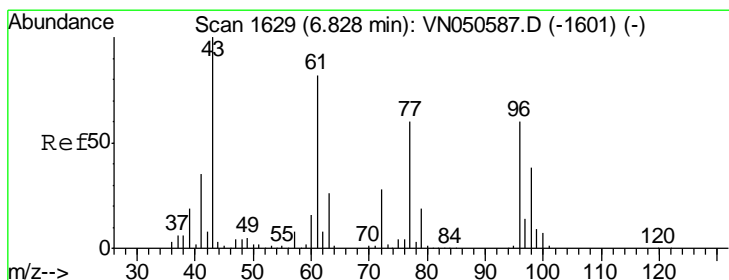
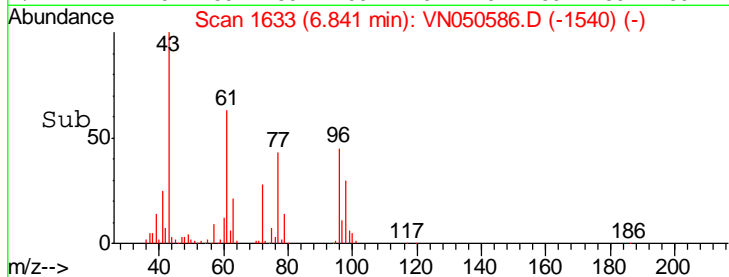
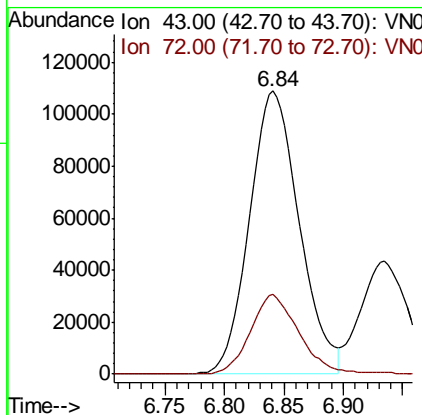
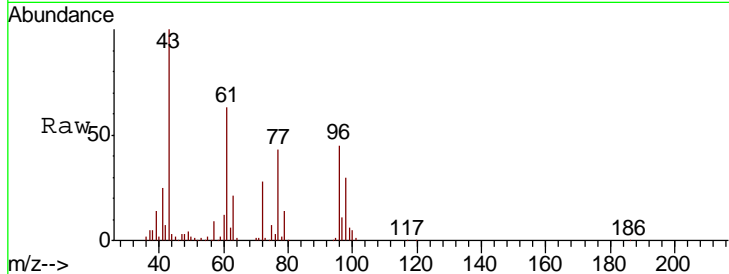
#25
 2-Butanone
 Concen: 78.52 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
72	28.0	21.8	32.6

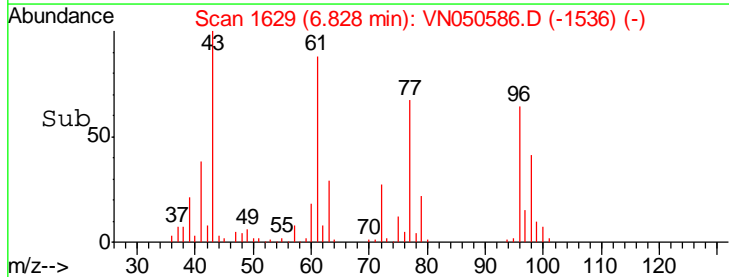
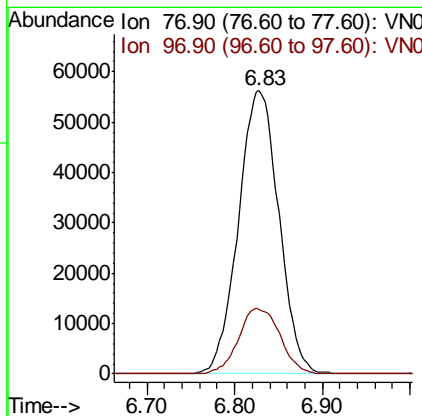
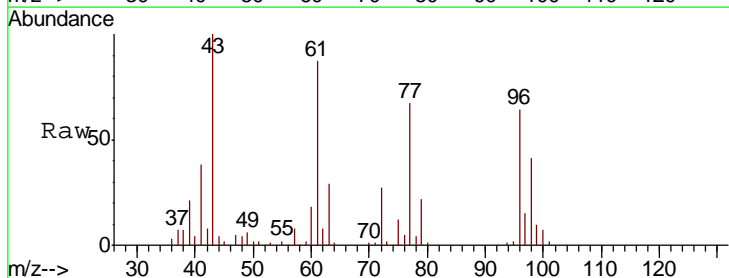
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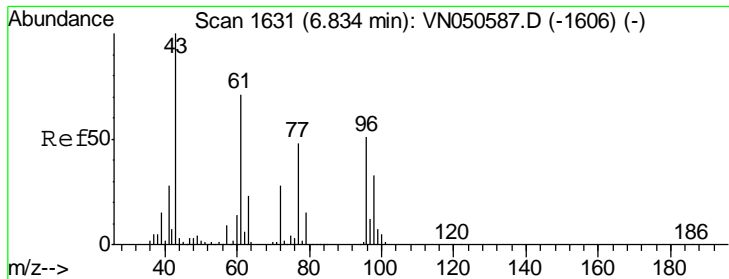
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 16.39 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
77	100		
97	23.8	12.2	36.4





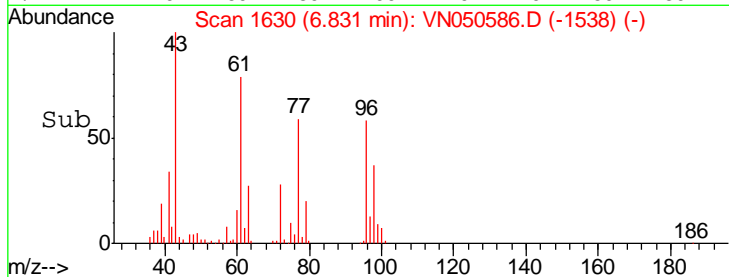
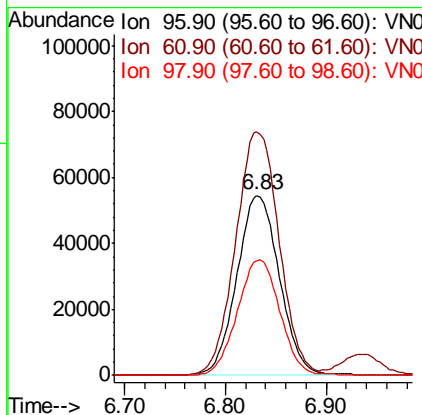
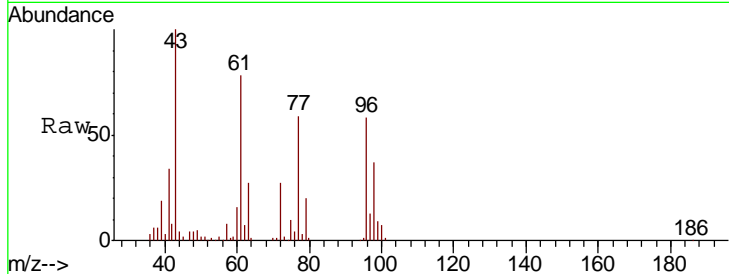
#27
 cis-1,2-Dichloroethene
 Concen: 19.52 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
96	159802		
96	100		
61	138.3	0.0	278.2
98	64.2	0.0	128.8

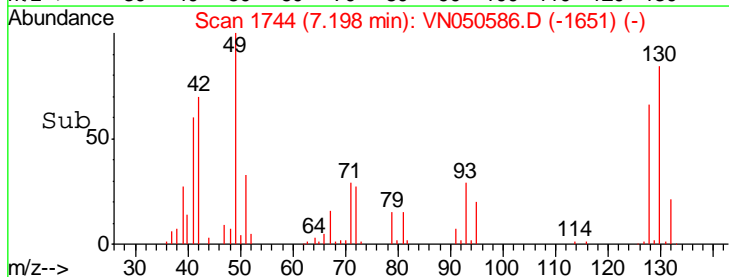
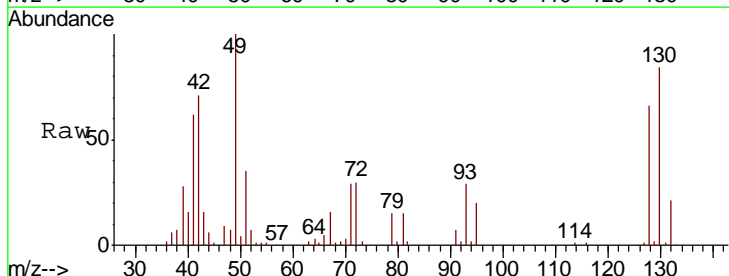
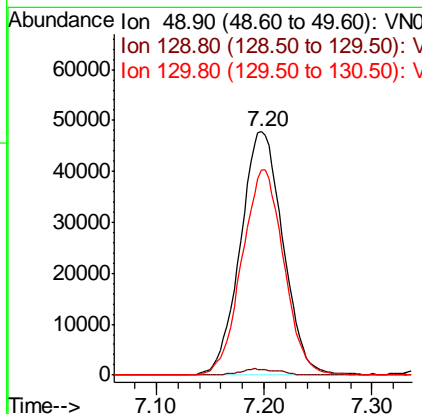
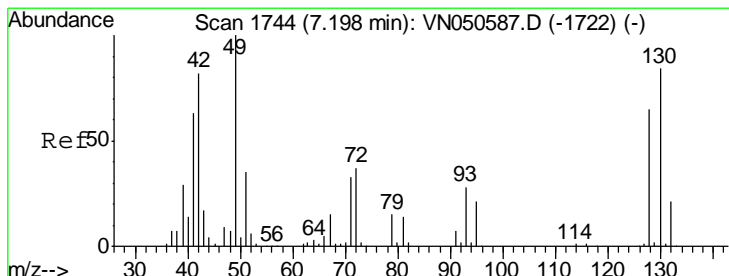
Manual Integrations
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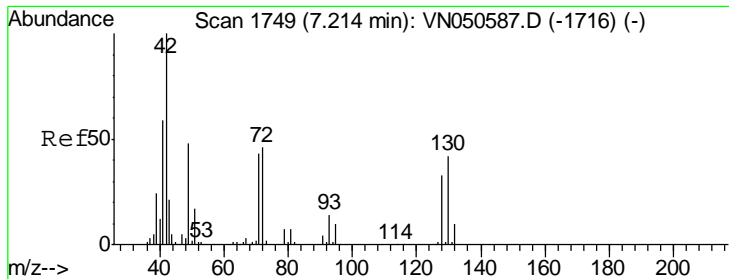
MMDadoda
 8/15/2018 3:21:04 PM



#28
 Bromochloromethane
 Concen: 20.65 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
49	130974		
49	100		
129	2.3	0.0	4.2
130	83.1	66.8	100.2





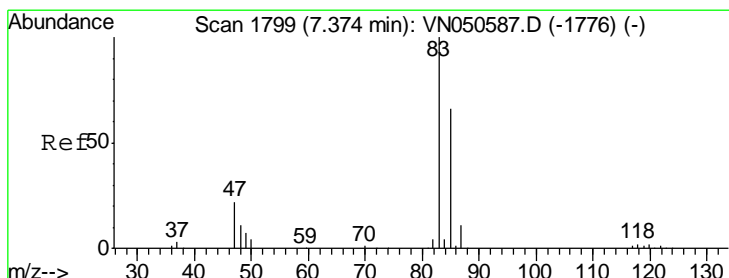
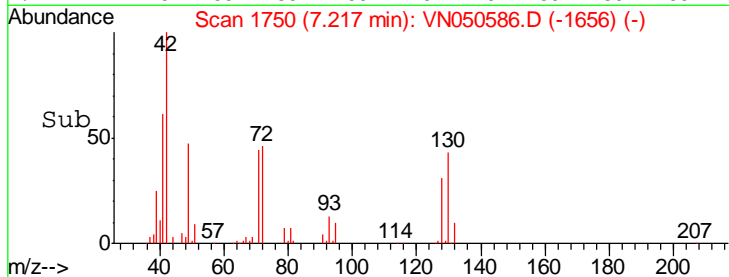
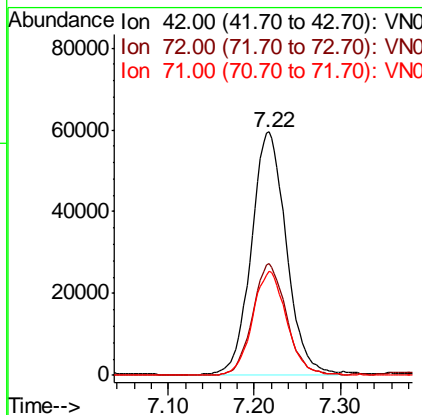
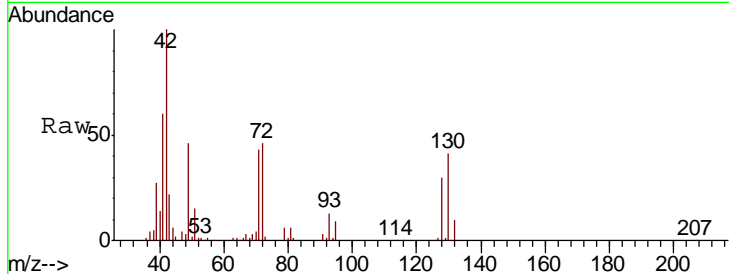
#29
 Tetrahydrofuran
 Concen: 77.64 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
42	167631		
72	44.6	35.8	53.6
71	42.0	33.4	50.0

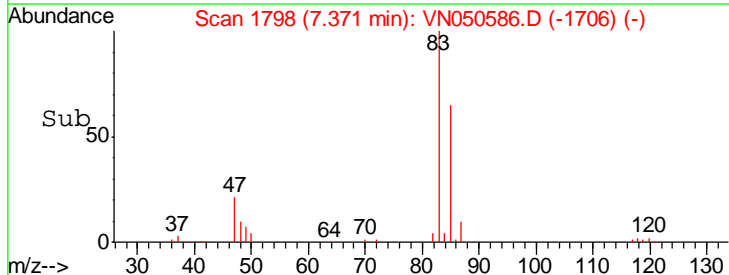
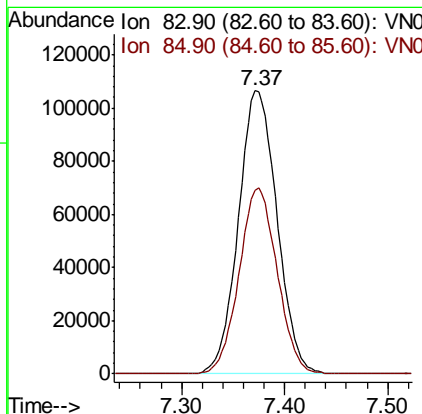
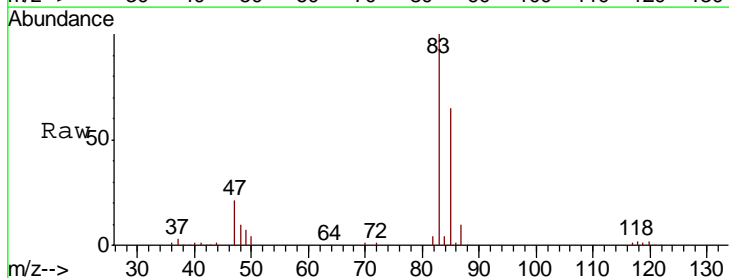
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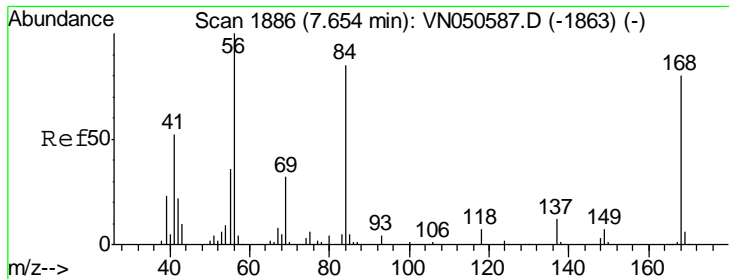
MMDadoda
 8/15/2018 3:21:04 PM



#30
 Chloroform
 Concen: 20.18 ug/l
 RT: 7.37 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
83	277529		
85	64.9	52.5	78.7





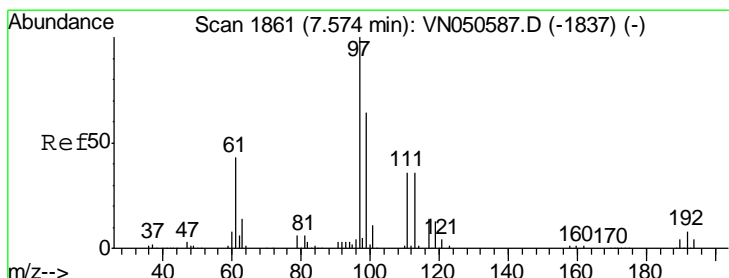
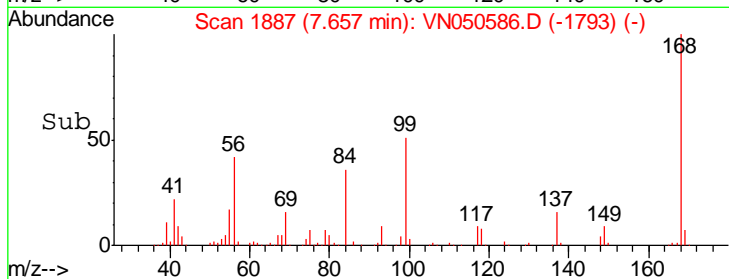
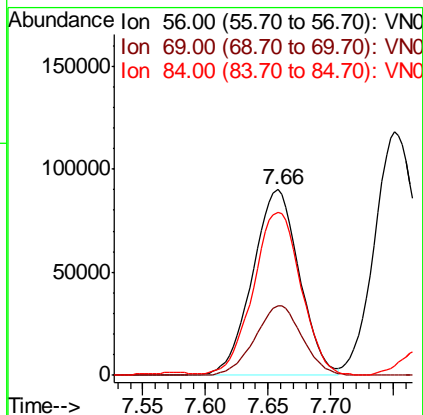
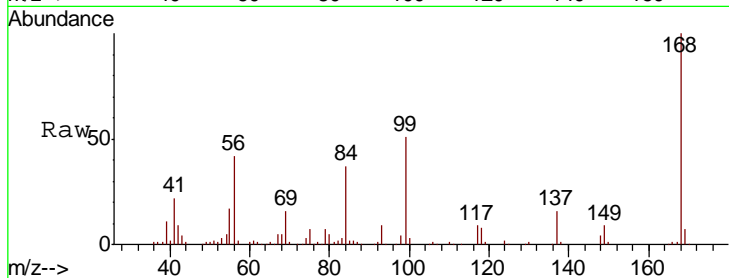
#31
 Cyclohexane
 Concen: 17.05 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
56	100		
69	37.3	25.8	38.6
84	86.4	67.8	101.6

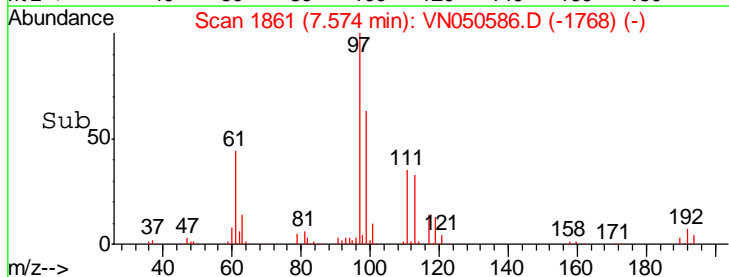
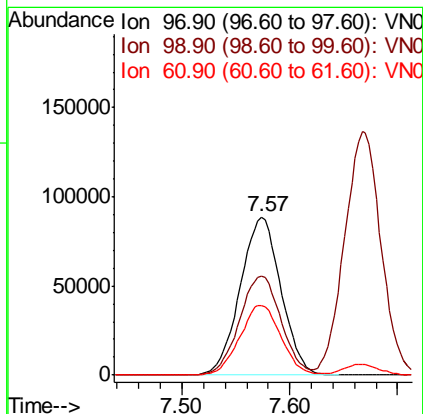
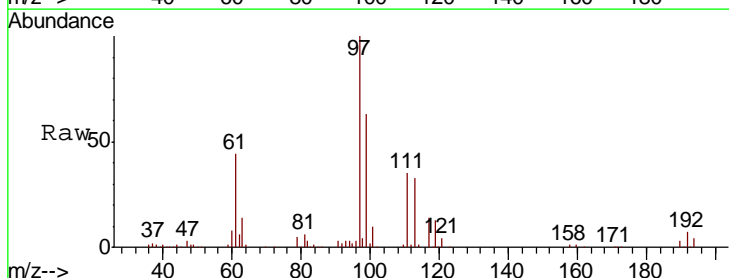
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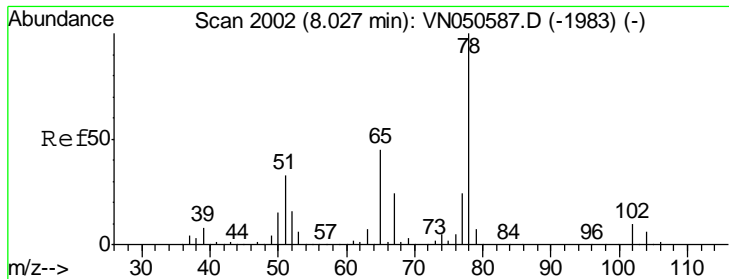
MMDadoda
 8/15/2018 3:21:04 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.71 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	44.7	34.8	52.2





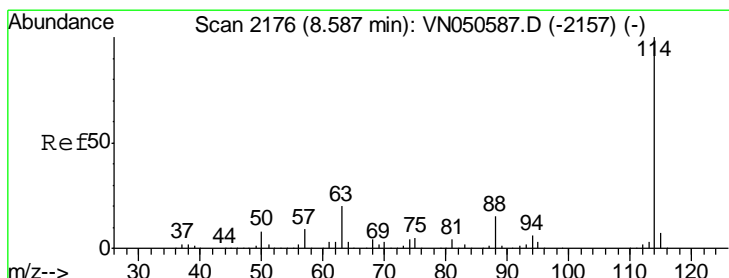
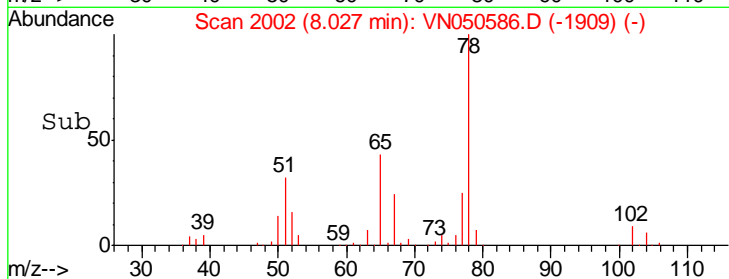
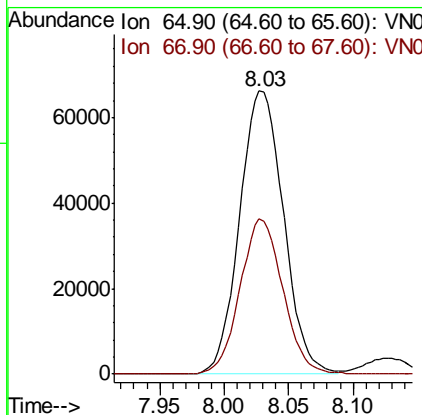
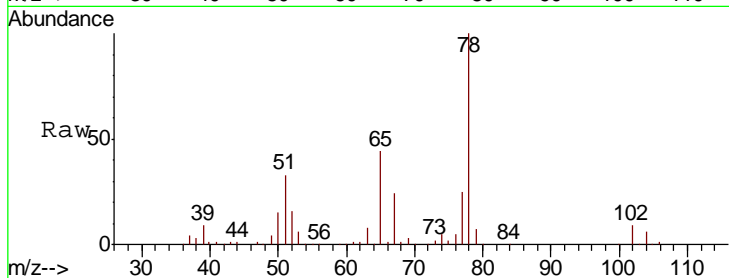
#33
 1,2-Dichloroethane-d4
 Concen: 18.74 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
65	157329		
65	100		
67	53.5	0.0	109.8

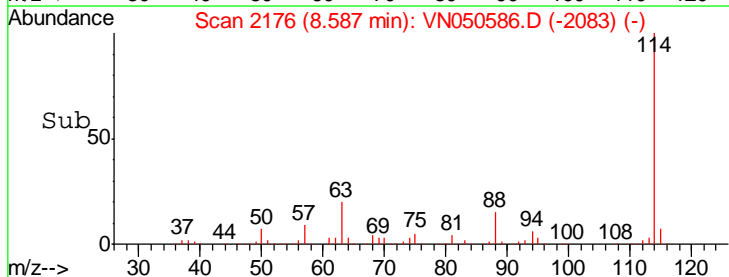
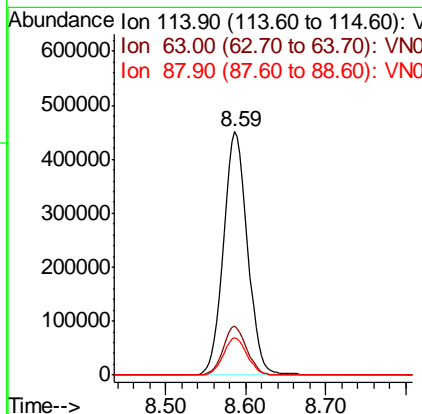
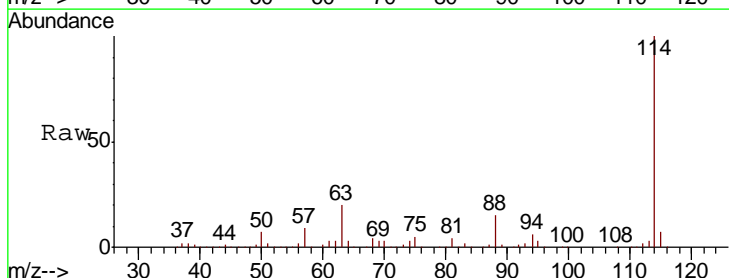
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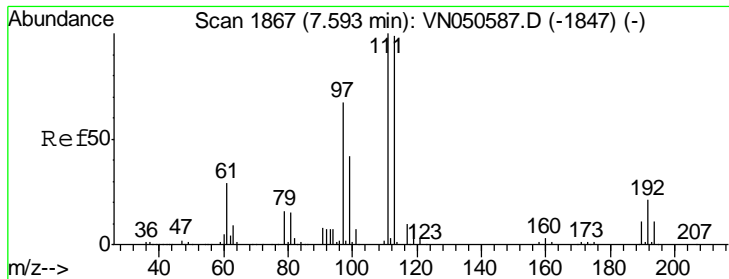
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
114	929429		
114	100		
63	19.9	0.0	40.0
88	15.3	0.0	30.8





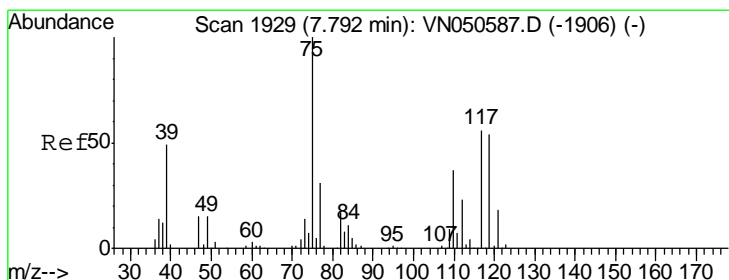
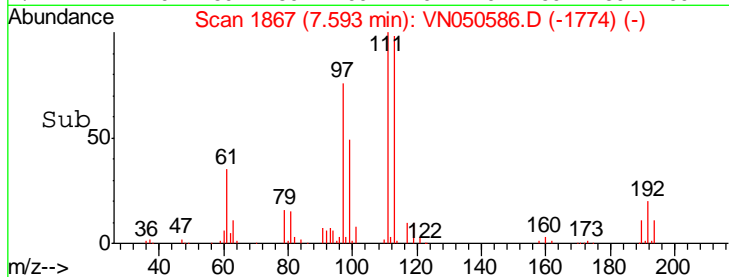
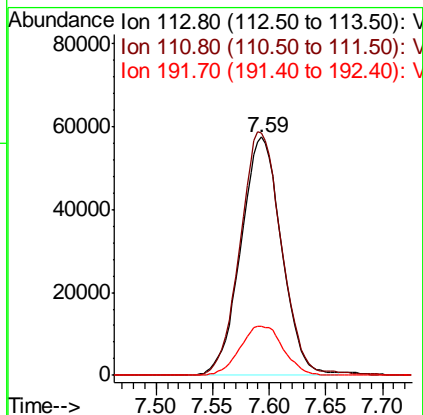
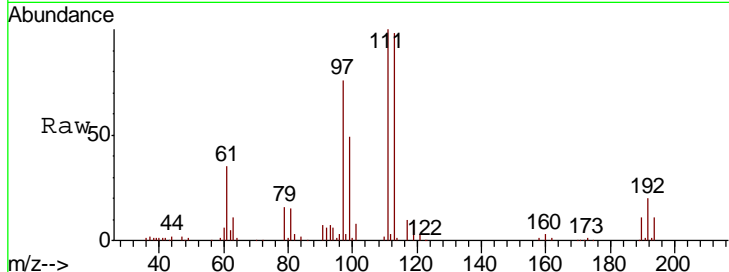
#35
 Dibromofluoromethane
 Concen: 19.25 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
113	100		
111	103.9	81.0	121.6
192	21.8	17.6	26.4

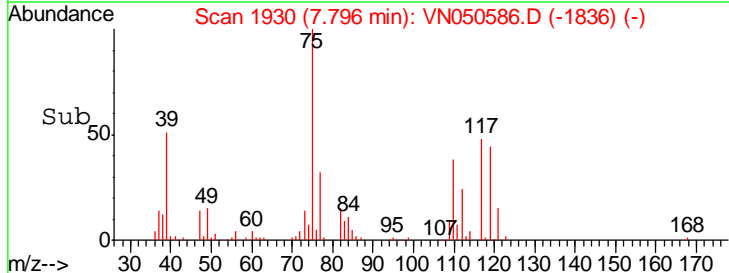
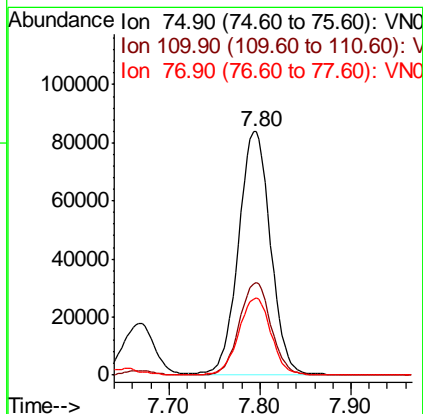
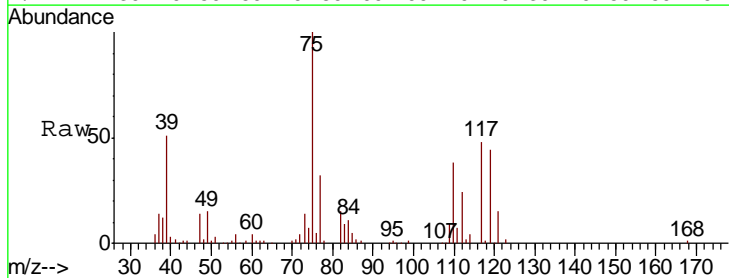
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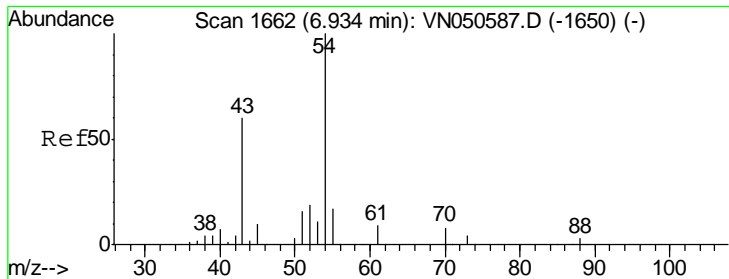
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.03 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
75	100		
110	37.7	18.3	54.9
77	32.1	25.0	37.4





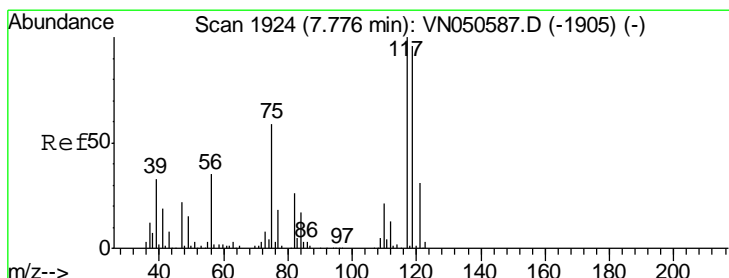
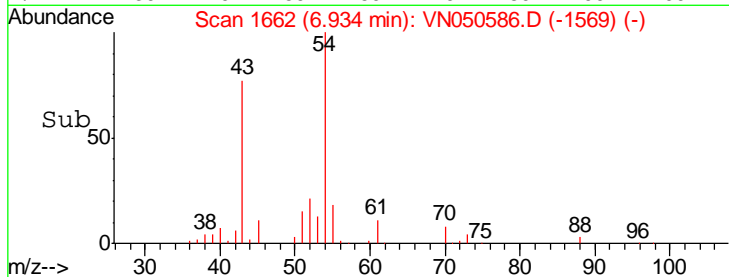
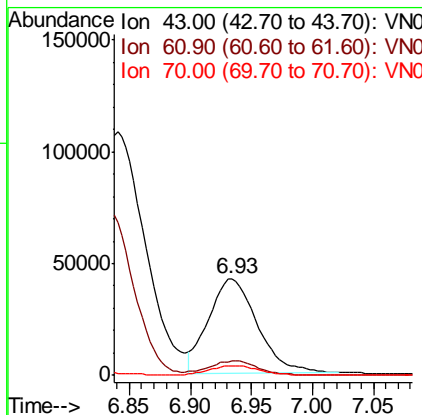
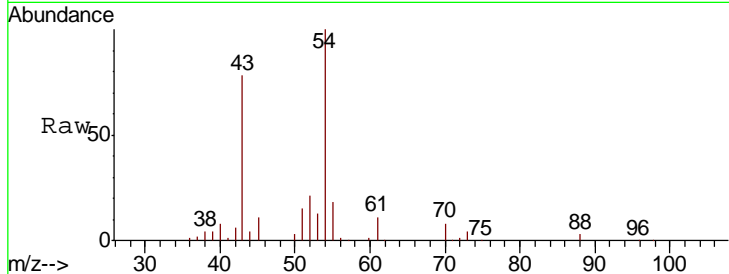
#37
 Ethyl Acetate
 Concen: 16.85 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	118938		
61	15.9	12.0	18.0
70	11.0	8.5	12.7

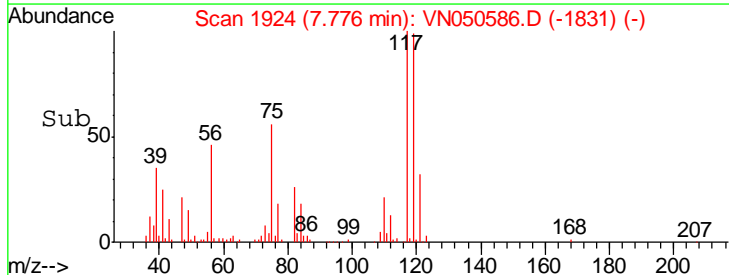
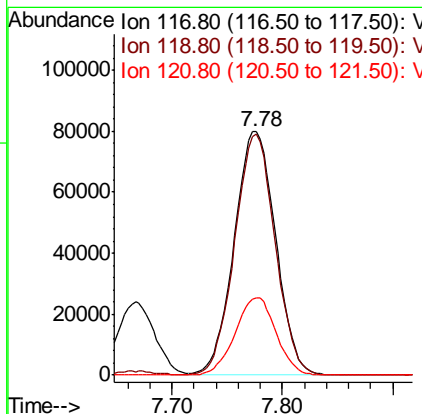
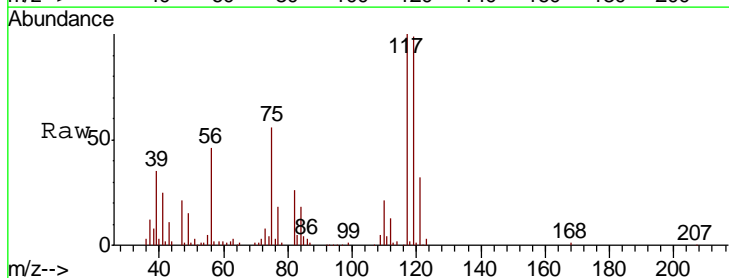
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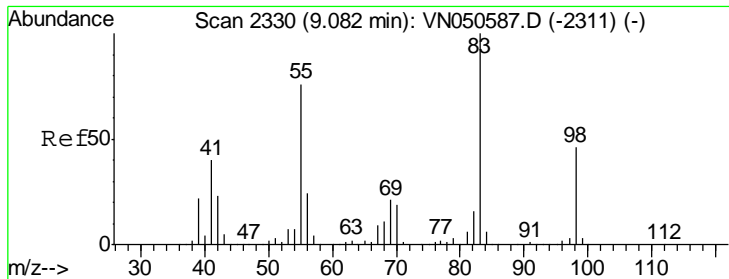
MMDadoda
 8/15/2018 3:21:04 PM



#38
 Carbon Tetrachloride
 Concen: 19.61 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
117	208617		
119	98.9	76.6	115.0
121	31.9	25.0	37.6





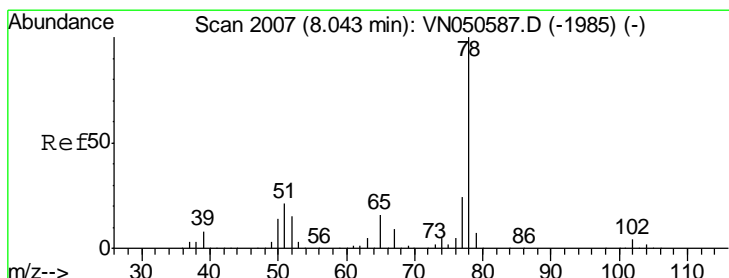
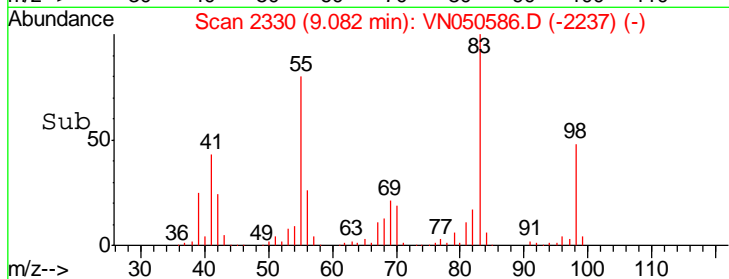
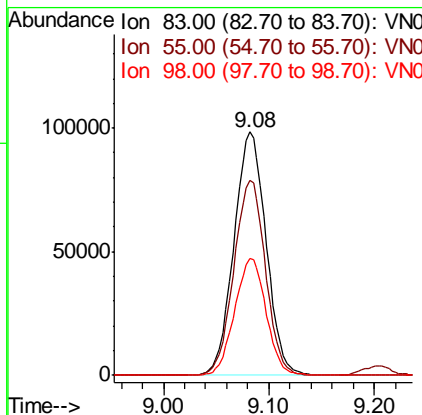
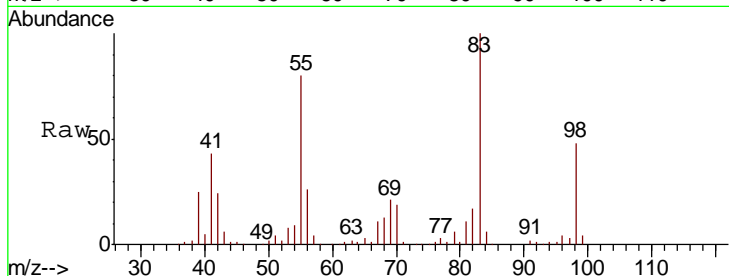
#39
 Methylcyclohexane
 Concen: 18.68 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	207768		
83	100		
55	80.2	60.6	91.0
98	47.8	37.0	55.4

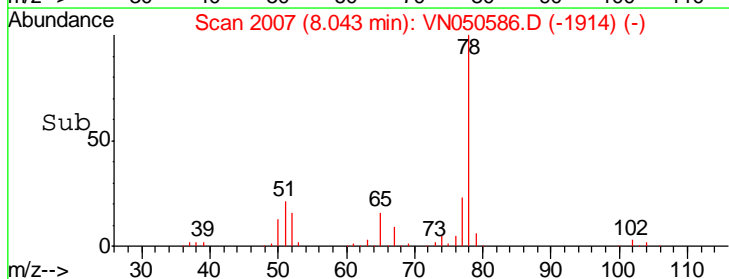
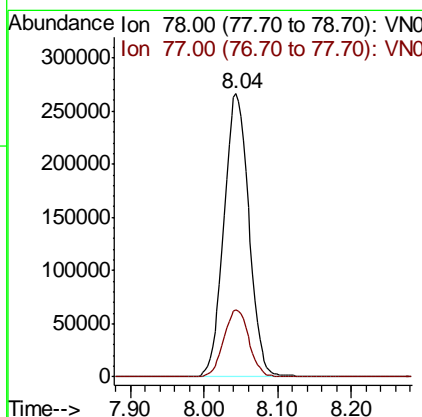
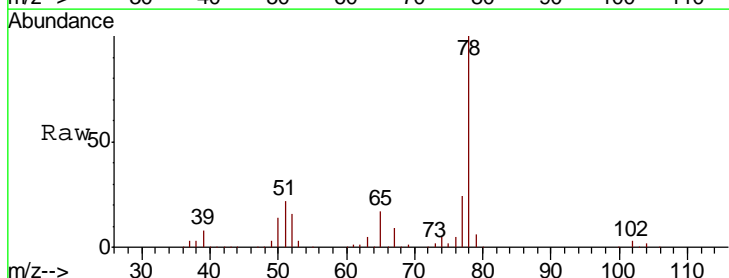
Manual Integrations
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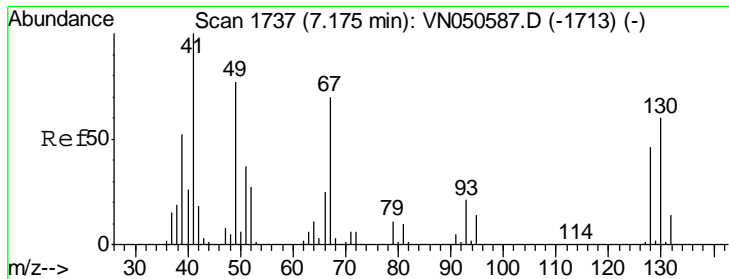
MMDadoda
 8/15/2018 3:21:04 PM



#40
 Benzene
 Concen: 20.02 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
78	628460		
78	100		
77	23.6	19.0	28.6





#41
 Methacrylonitrile
 Concen: 16.41 ug/l
 RT: 7.18 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

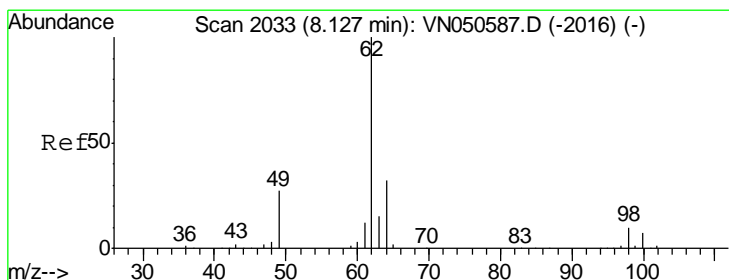
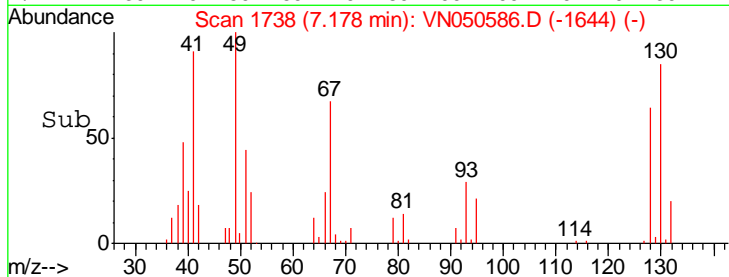
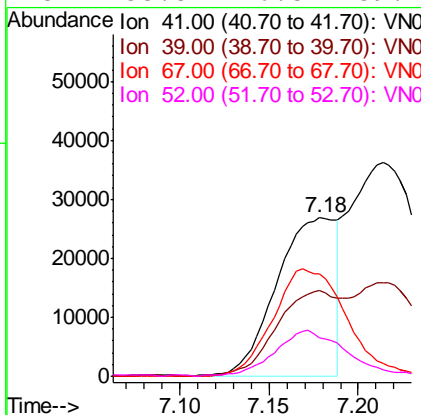
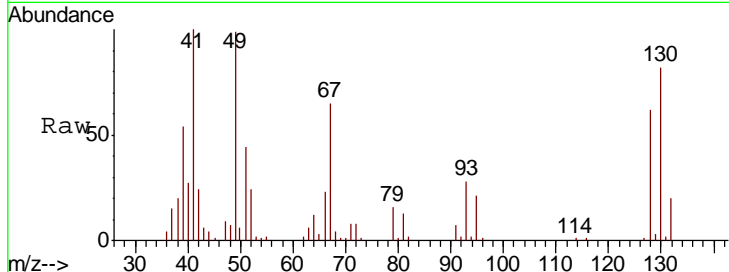
Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion: 41 Resp: 62543

Ion	Ratio	Lower	Upper
41	100		
39	56.9	44.6	66.8
67	83.8	66.7	100.1
52	35.5	26.5	39.7

Manual Integrations
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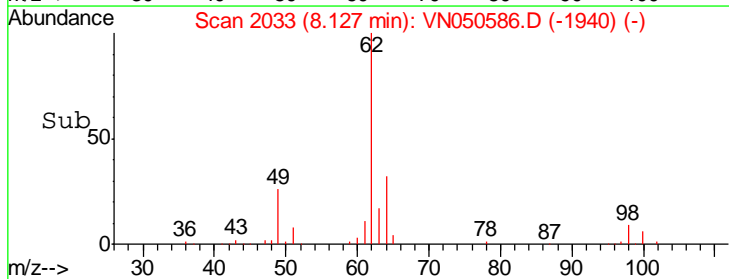
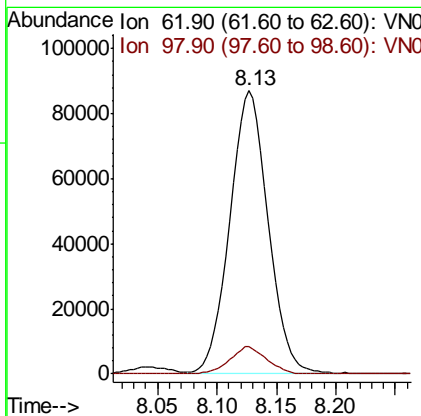
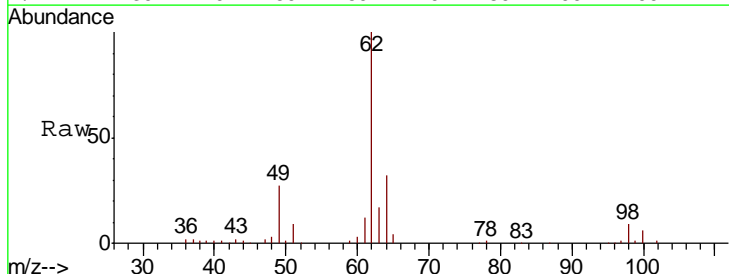
MMDadoda
 8/15/2018 3:21:04 PM

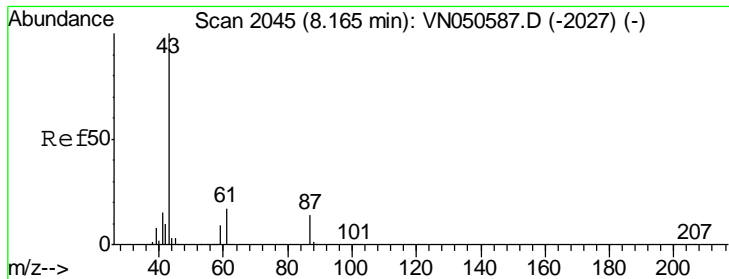


#42
 1,2-Dichloroethane
 Concen: 19.56 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion: 62 Resp: 193137

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.4





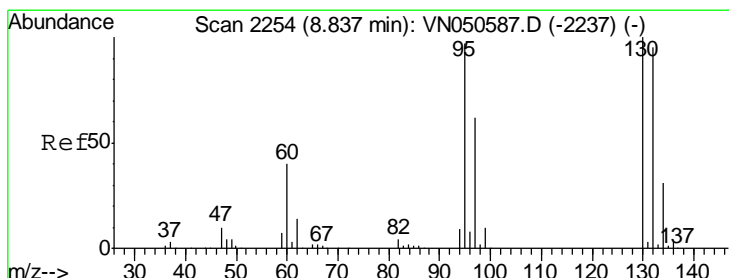
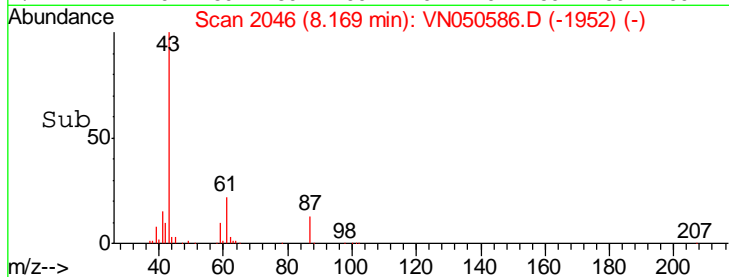
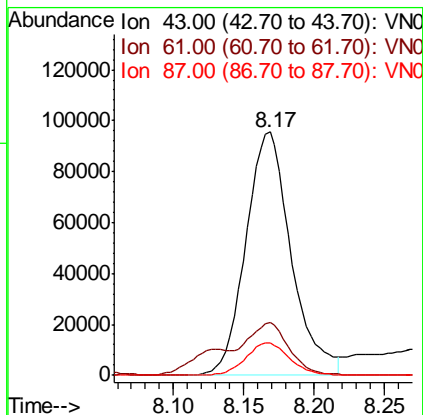
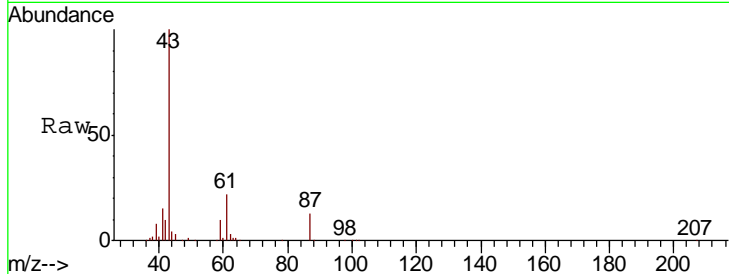
#43
 Isopropyl Acetate
 Concen: 17.39 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
61	19.7	16.2	24.2
87	13.0	10.9	16.3

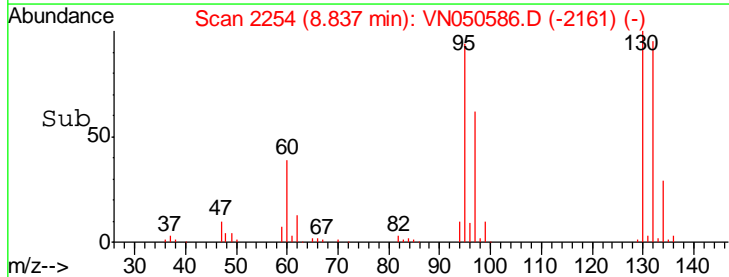
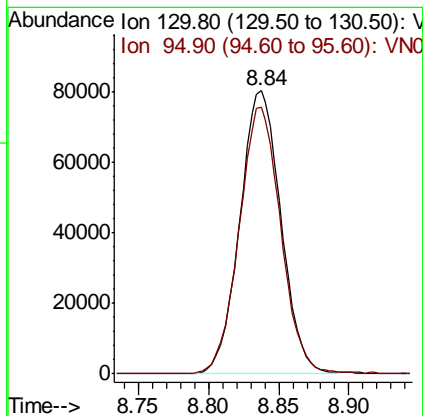
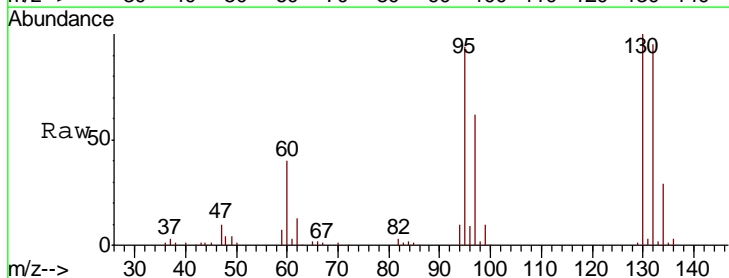
Manual Integrations
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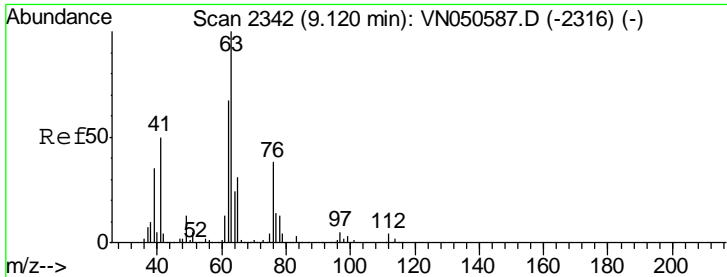
MMDadoda
 8/15/2018 3:21:04 PM



#44
 Trichloroethene
 Concen: 19.43 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
130	100		
95	94.4	0.0	193.8





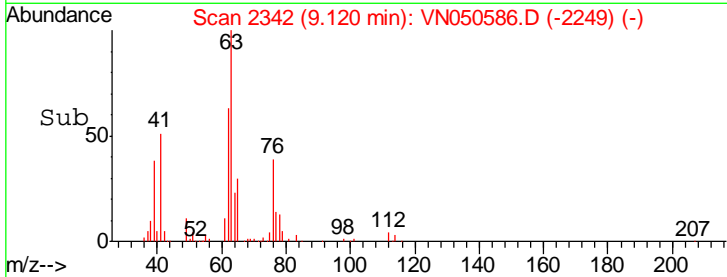
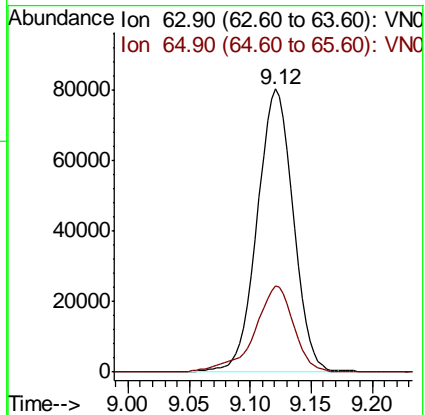
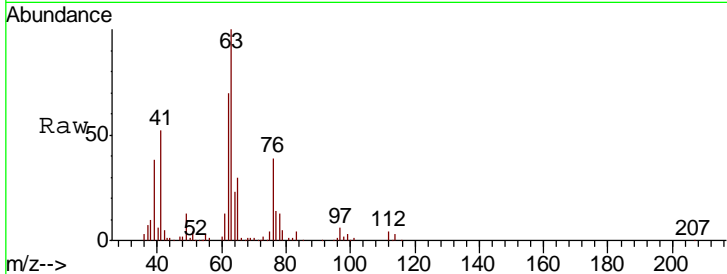
#45
 1,2-Dichloropropane
 Concen: 20.01 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
63	165100		
65	30.2	24.5	36.7

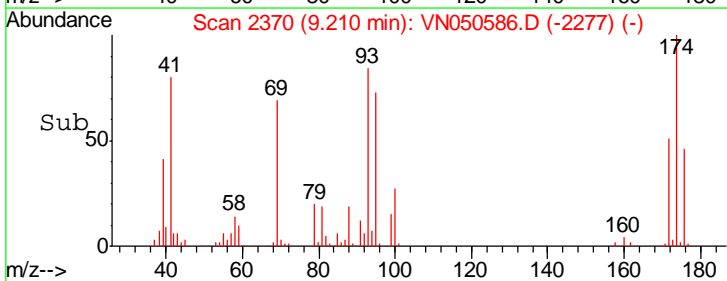
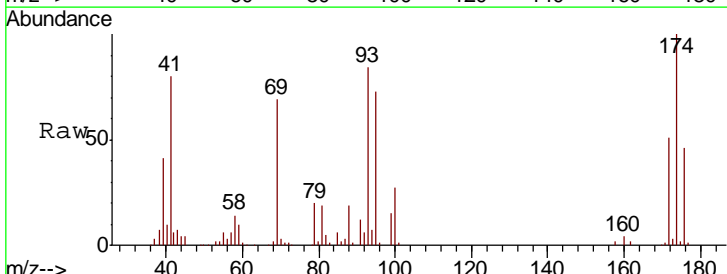
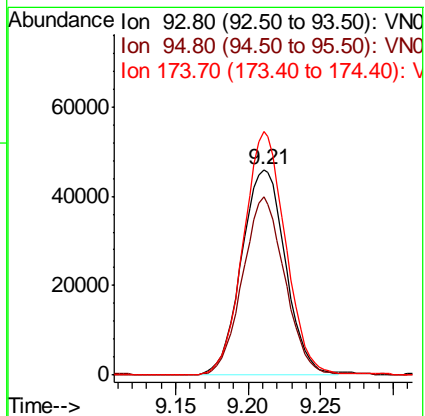
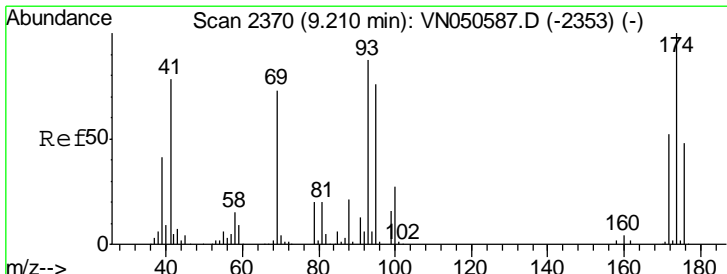
Manual Integrations
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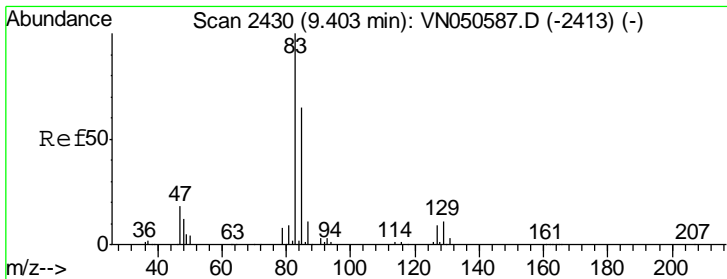
MMDadoda
 8/15/2018 3:21:04 PM



#46
 Dibromomethane
 Concen: 19.22 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
93	96860		
95	83.4	69.1	103.7
174	113.6	91.0	136.6





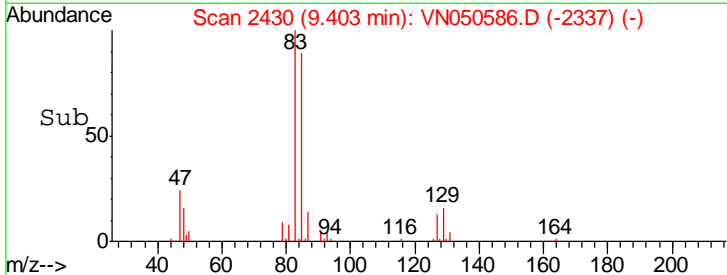
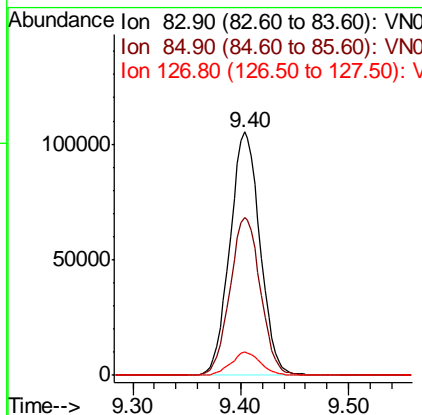
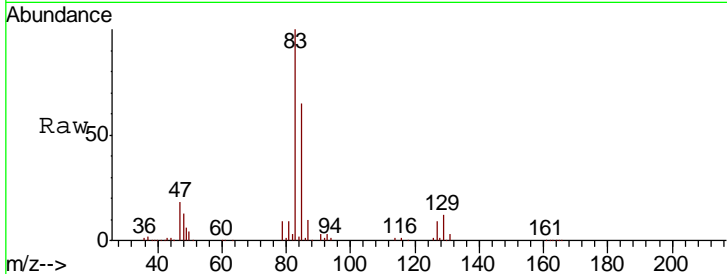
#47
 Bromodichloromethane
 Concen: 19.45 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.0	51.8	77.6
127	9.4	7.2	10.8

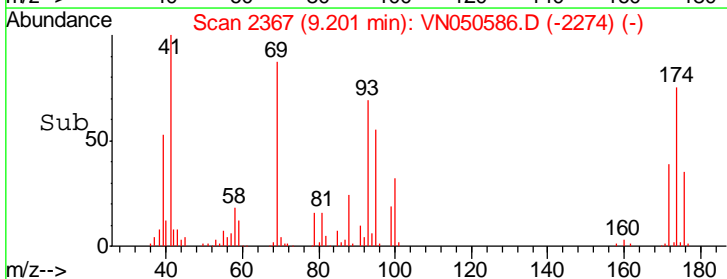
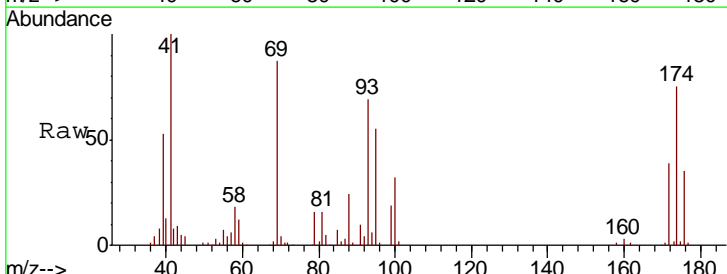
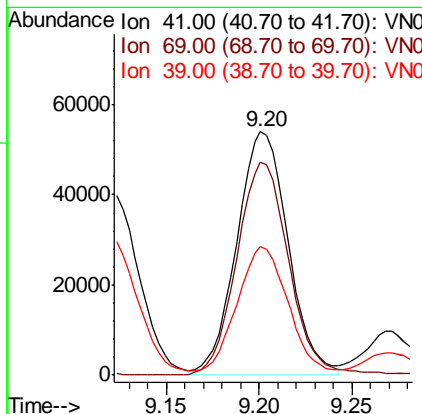
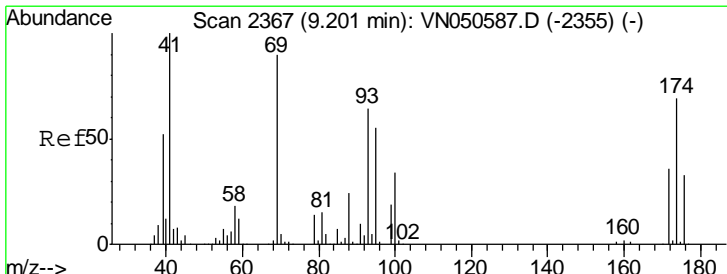
Manual Integrations
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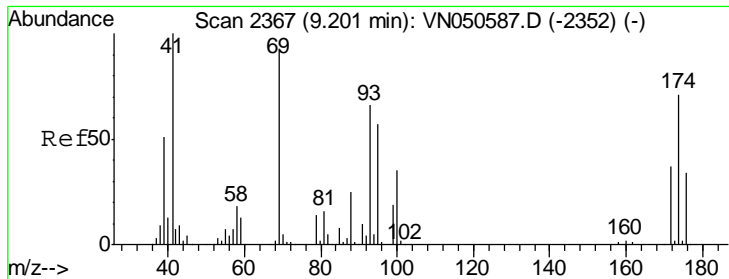
MMDadoda
 8/15/2018 3:21:04 PM



#48
 Methyl methacrylate
 Concen: 16.82 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
41	100		
69	89.4	73.4	110.0
39	52.8	43.0	64.6





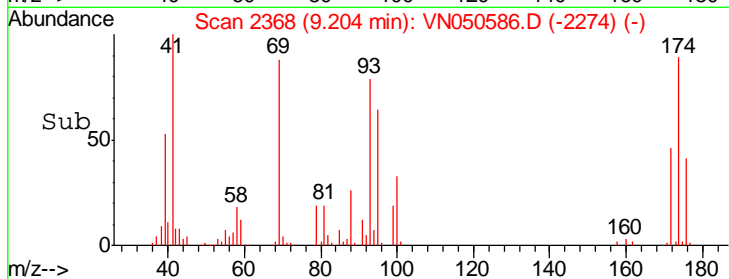
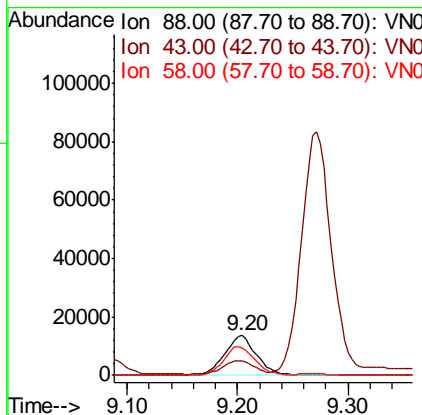
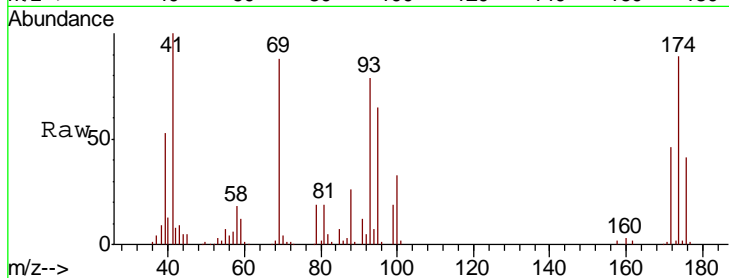
#49
 1,4-Dioxane
 Concen: 294.69 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
88	100		
43	33.9	25.9	38.9
58	70.4	56.5	84.7

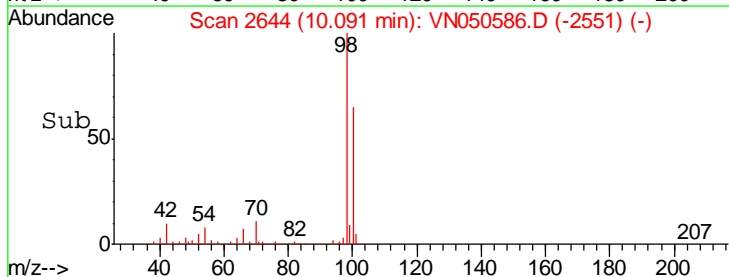
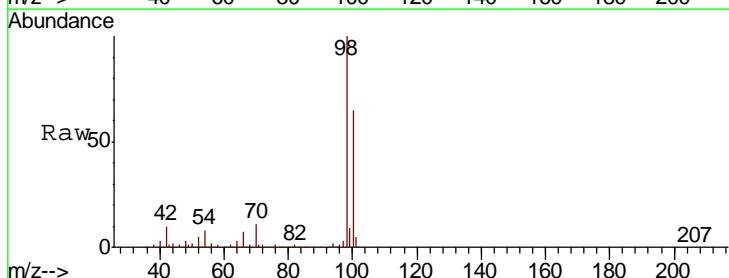
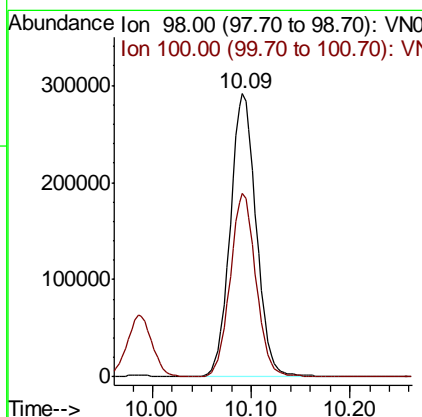
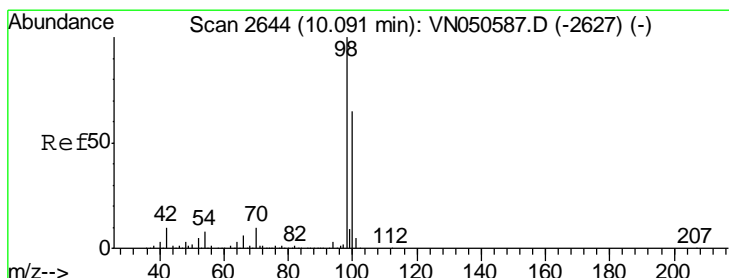
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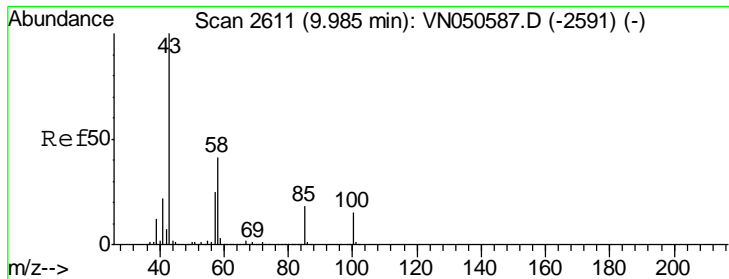
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#50
 Toluene-d8
 Concen: 19.10 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
98	100		
100	64.1	51.8	77.8





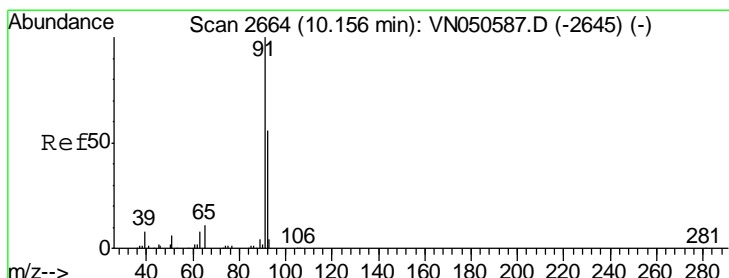
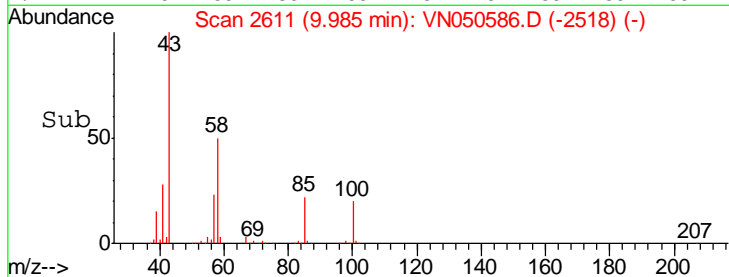
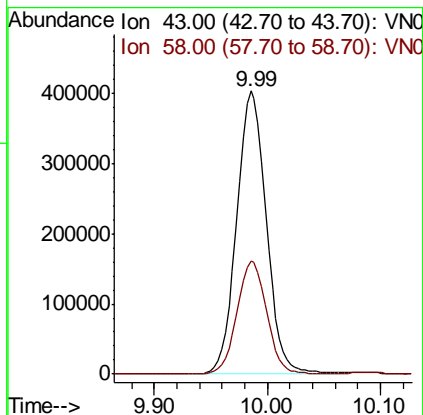
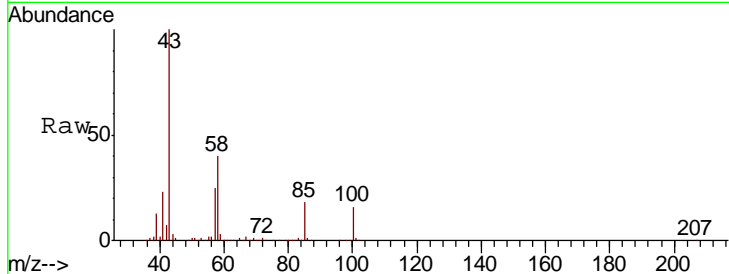
#51
 4-Methyl-2-Pentanone
 Concen: 83.68 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.5	48.7

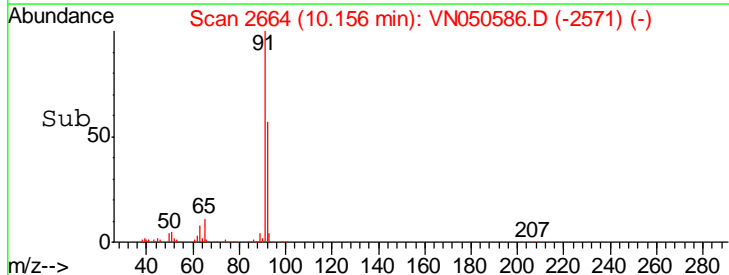
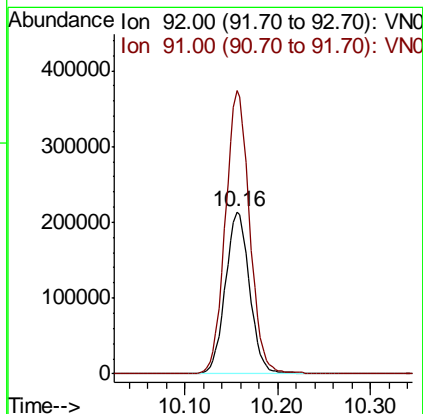
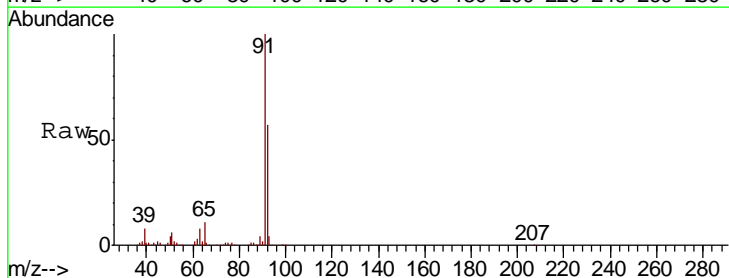
Manual Integrations
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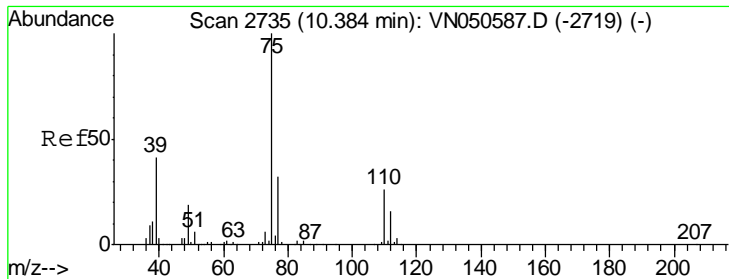
MMDadoda
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#52
 Toluene
 Concen: 20.55 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.1	141.9	212.9





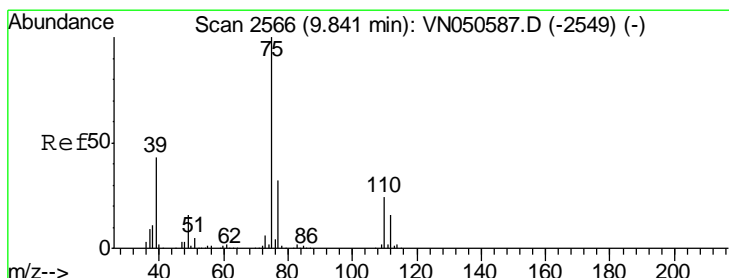
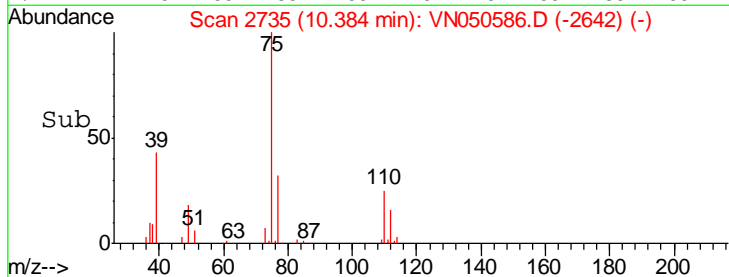
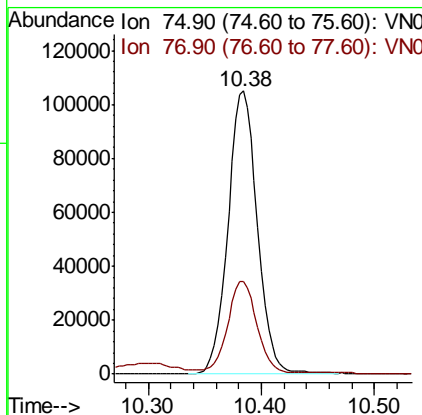
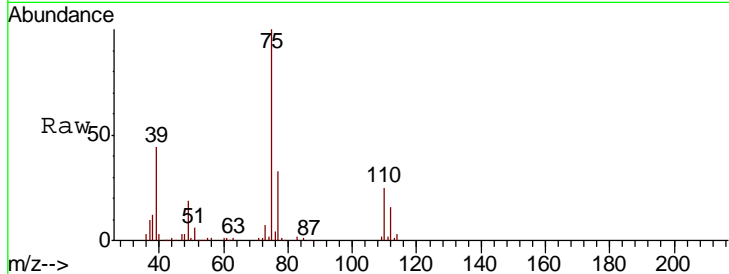
#53
 t-1,3-Dichloropropene
 Concen: 18.14 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	189801		
75	100		
77	32.2	25.8	38.6

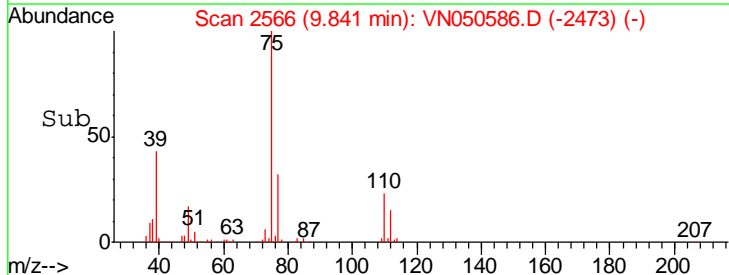
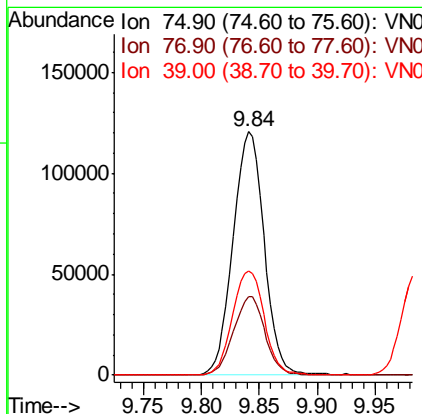
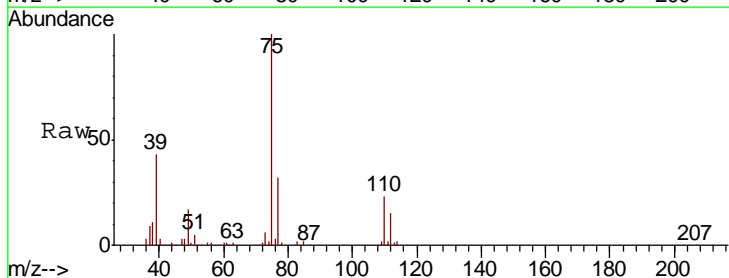
Manual Integrations
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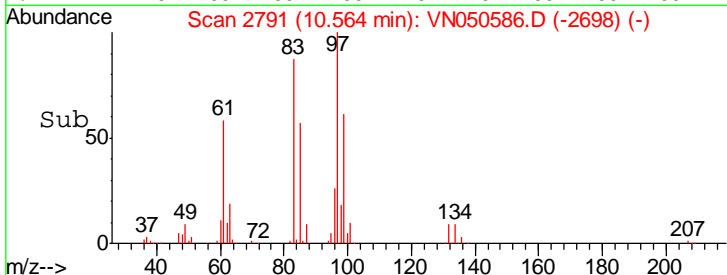
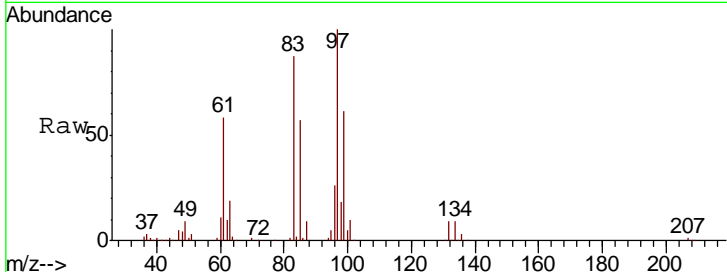
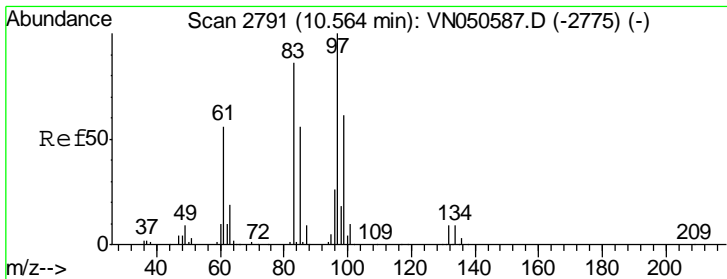
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 8/15/2018 3:21:04 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.11 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
75	224381		
75	100		
77	32.3	25.6	38.4
39	42.5	34.4	51.6



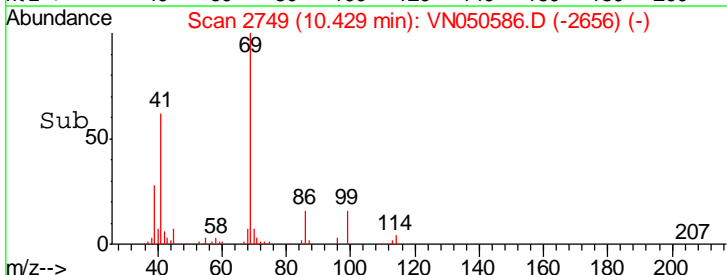
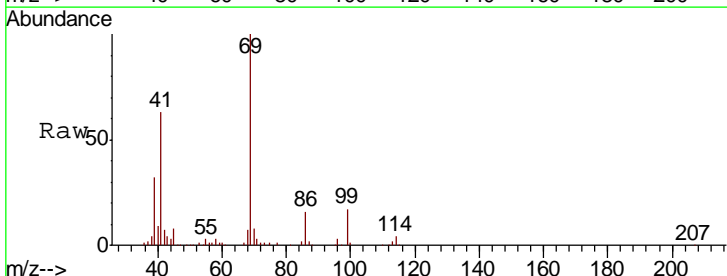
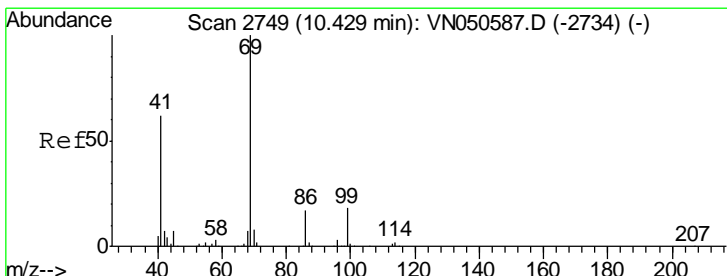
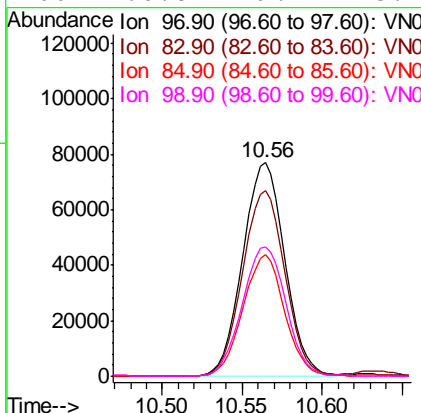


#55
 1,1,2-Trichloroethane
 Concen: 19.01 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
97	138518		
97	100		
83	86.8	68.5	102.7
85	56.7	44.6	66.8
99	60.8	49.1	73.7

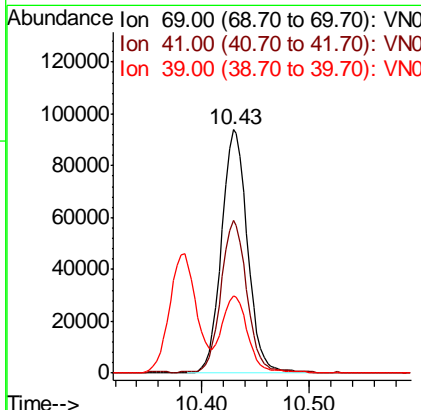
Instrument : MSVOA_N
 ClientSampled : VN050586.D
 VSTDIC020

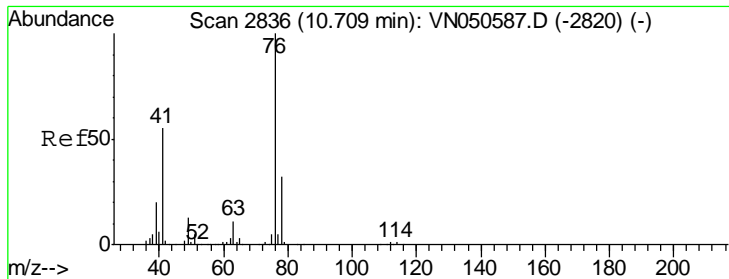
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#56
 Ethyl methacrylate
 Concen: 17.41 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
69	157945		
69	100		
41	61.6	49.7	74.5
39	30.0	24.2	36.2





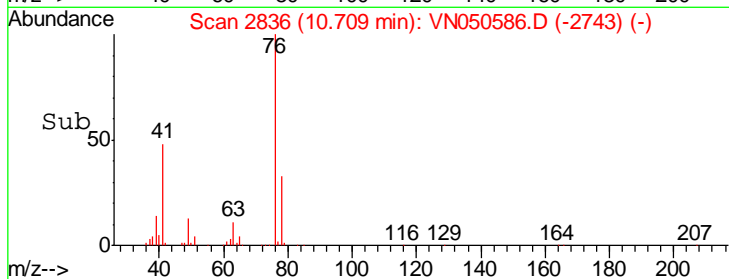
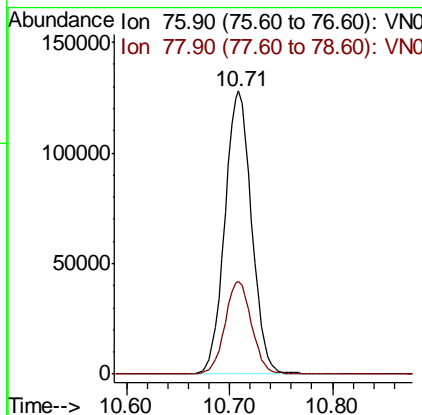
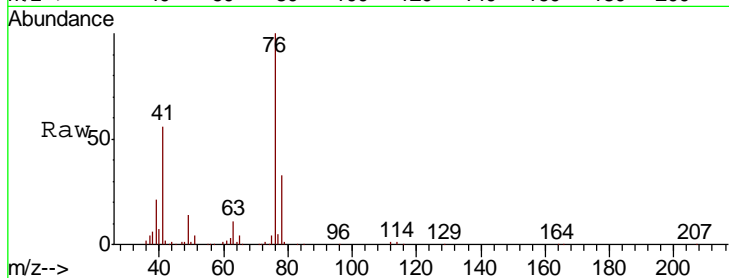
#57
 1,3-Dichloropropane
 Concen: 19.32 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
76	231341		
76	100		
78	32.7	25.8	38.6

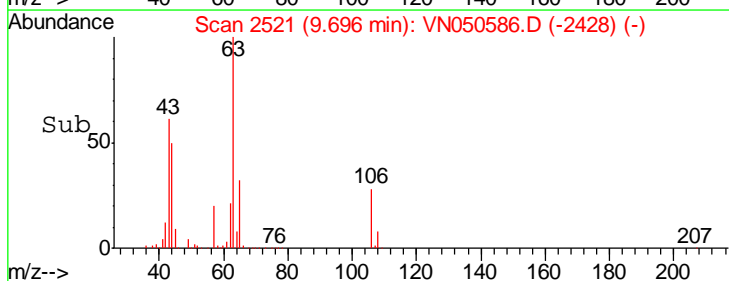
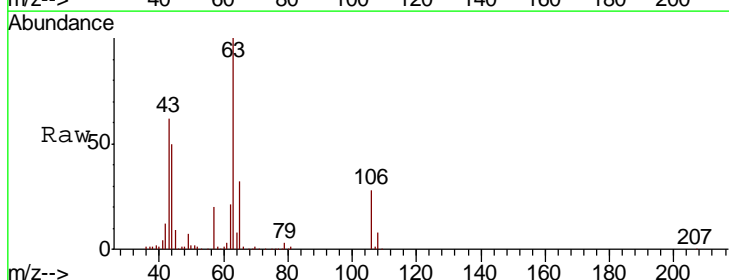
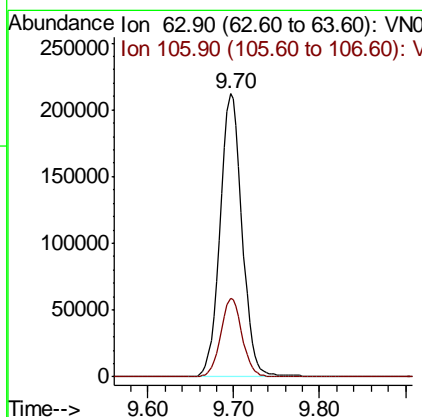
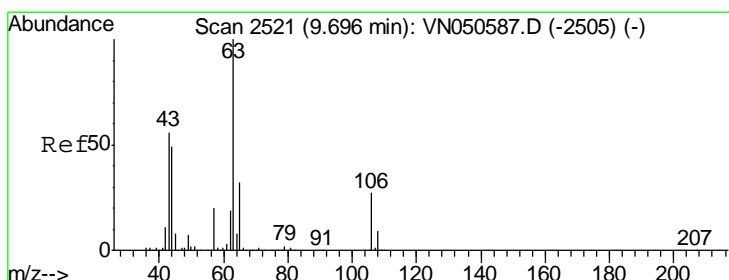
Manual Integrations
 APPROVED

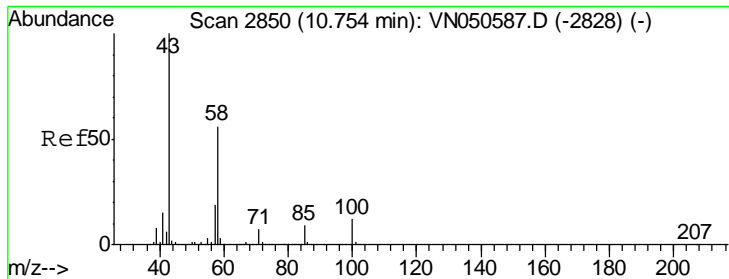
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#58
 2-Chloroethyl Vinyl ether
 Concen: 88.98 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
63	377032		
63	100		
106	27.2	21.7	32.5





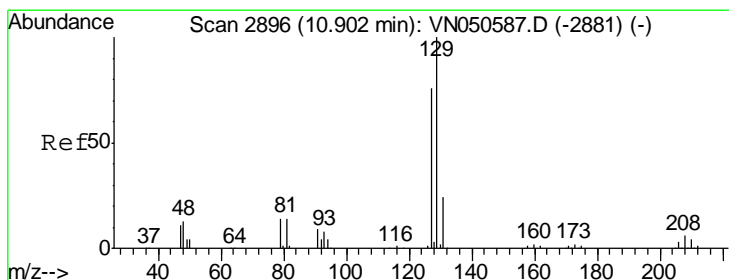
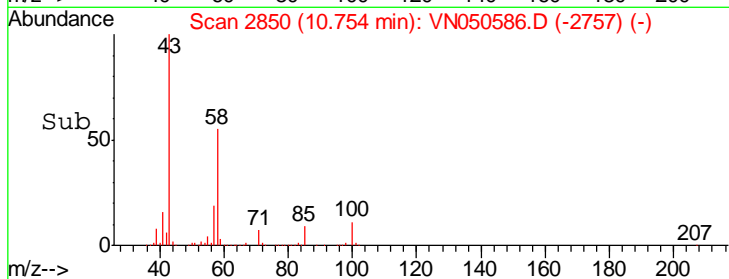
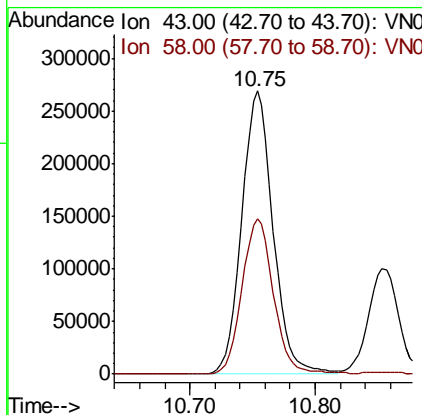
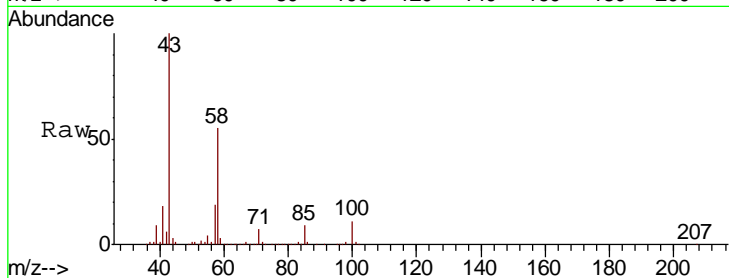
#59
 2-Hexanone
 Concen: 76.46 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.4	28.0	84.0

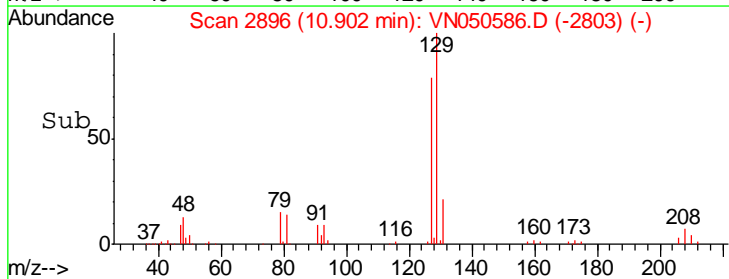
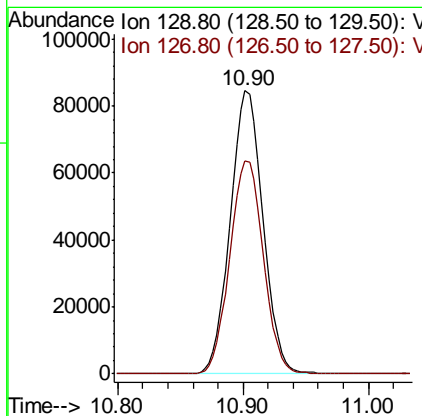
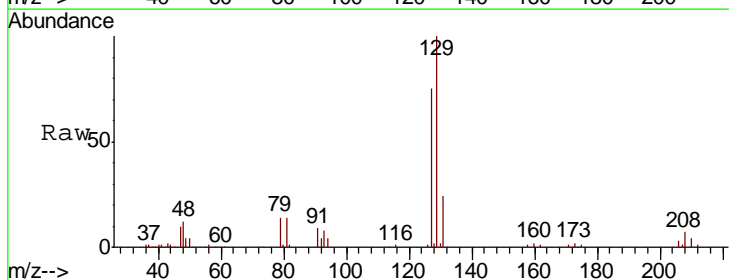
Manual Integrations
 APPROVED

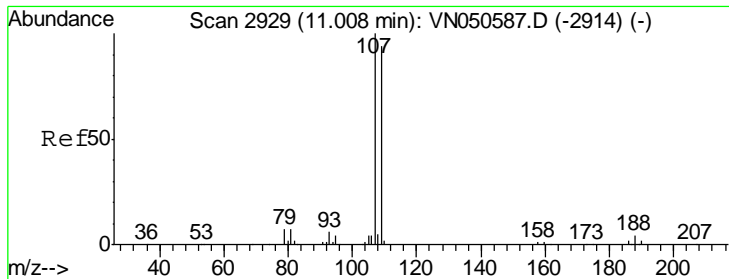
MMDadoda
 8/15/2018 3:21:04 PM



#60
 Dibromochloromethane
 Concen: 19.08 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.0	38.9	116.7





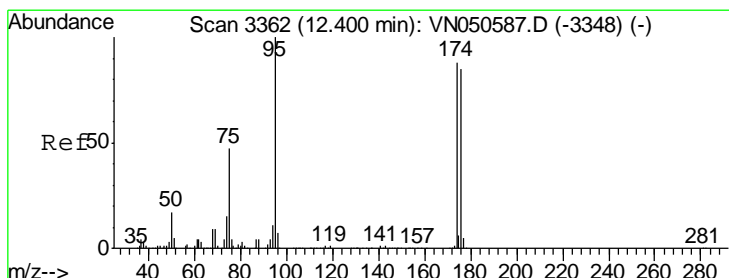
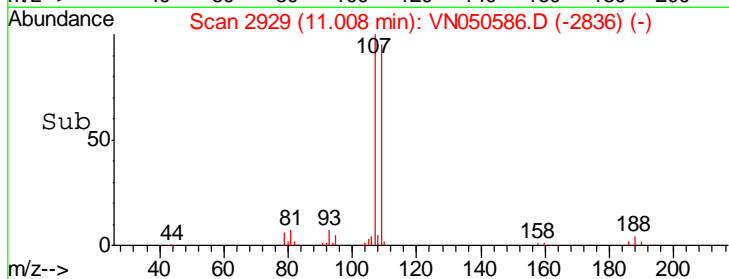
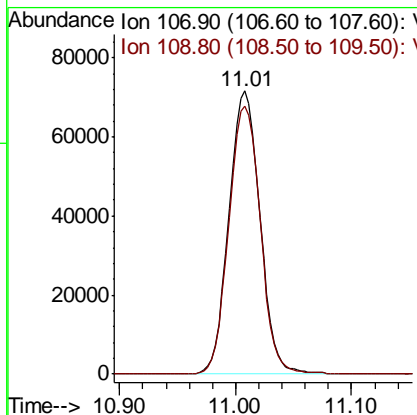
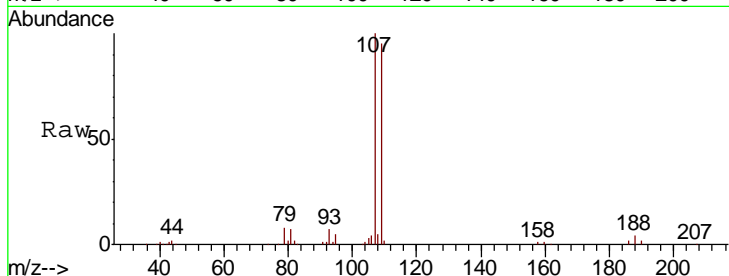
#61
 1,2-Dibromoethane
 Concen: 18.53 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
107	132556		
109	95.9	75.7	113.5

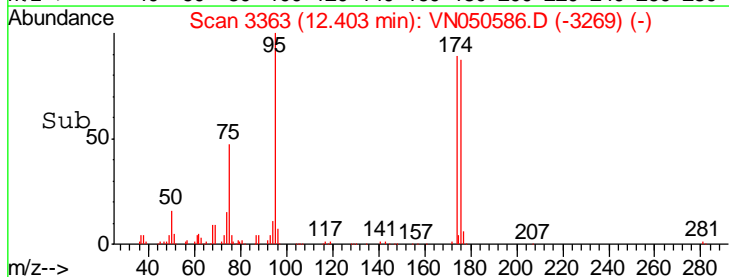
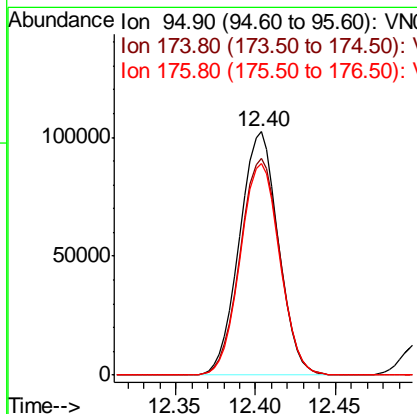
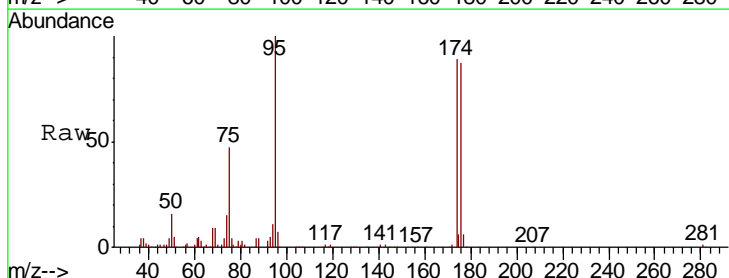
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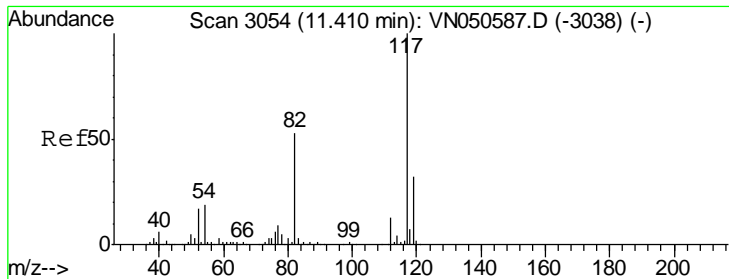
MMDadoda
 8/15/2018 3:21:04 PM



#62
 4-Bromofluorobenzene
 Concen: 17.80 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

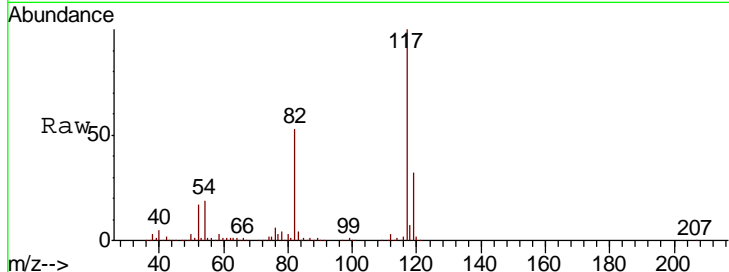
Tgt Ion	Resp	Lower	Upper
95	169483		
174	90.9	0.0	177.8
176	88.5	0.0	175.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

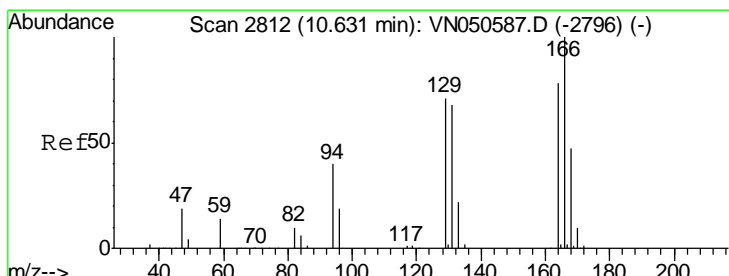
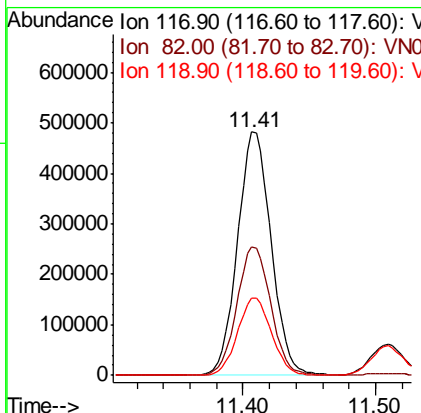
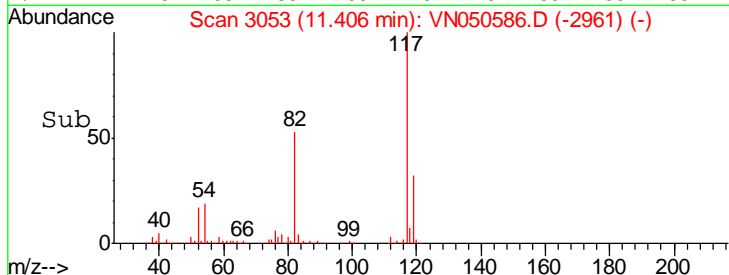
Instrument : MSVOA_N
 ClientSampled : VSTDIC020



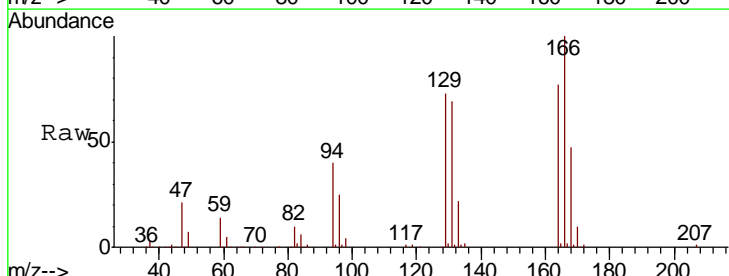
Tgt Ion: 117 Resp: 850474

Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.4	63.6
119	31.8	25.8	38.8

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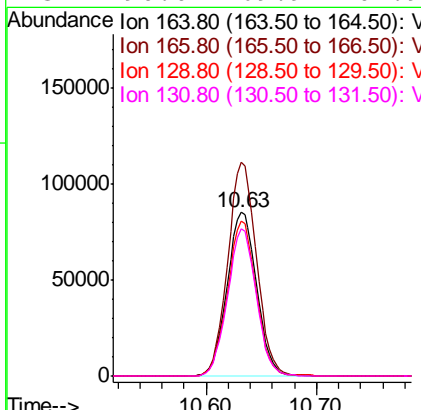
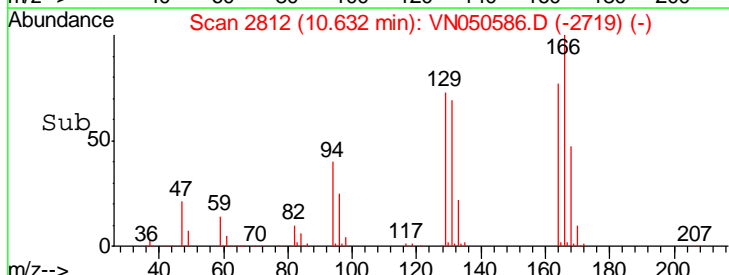


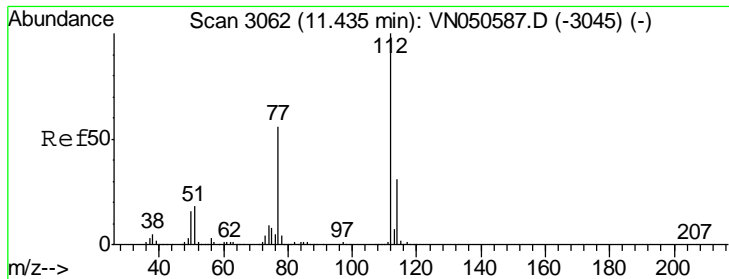
#64
 Tetrachloroethene
 Concen: 20.00 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35



Tgt Ion: 164 Resp: 158710

Ion	Ratio	Lower	Upper
164	100		
166	130.4	102.1	153.1
129	94.6	72.7	109.1
131	90.0	69.9	104.9





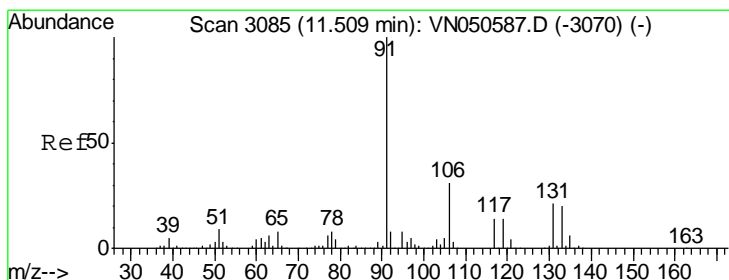
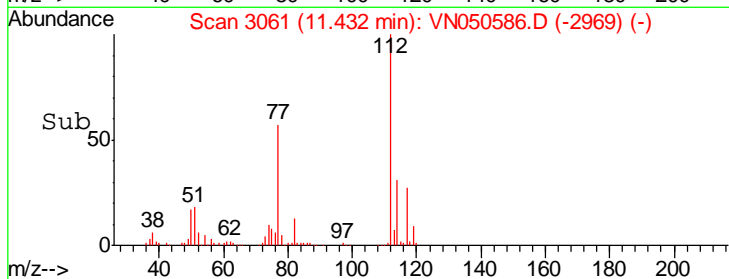
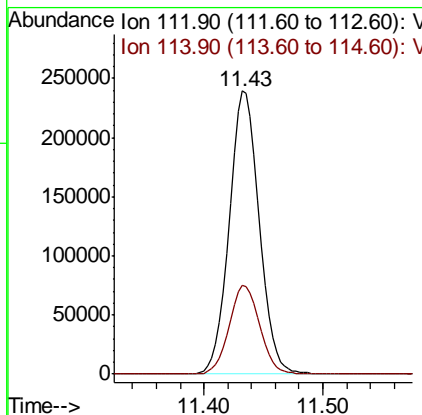
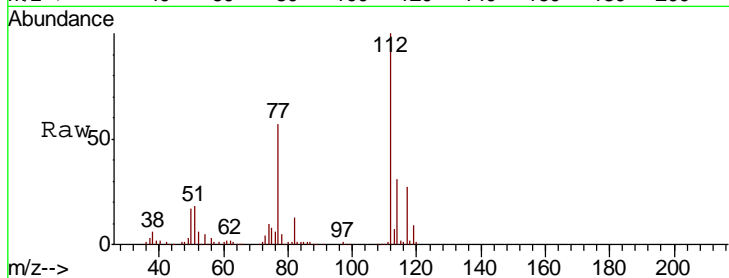
#65
 Chlorobenzene
 Concen: 19.55 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
112	416943		
114	31.3	25.2	37.8

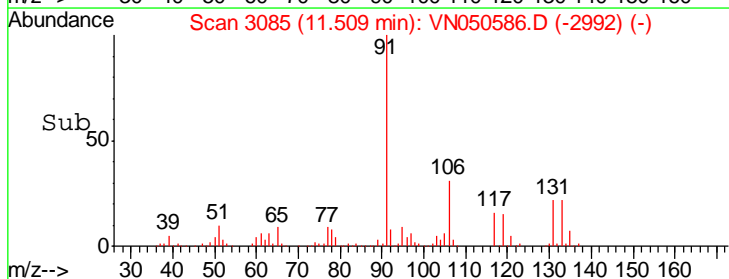
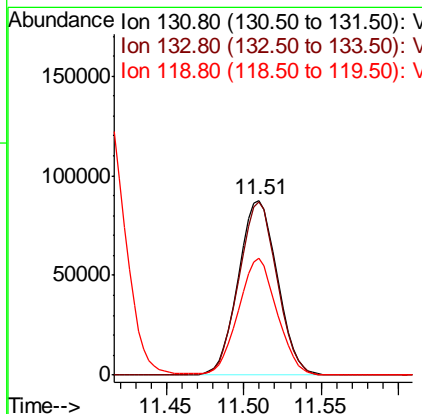
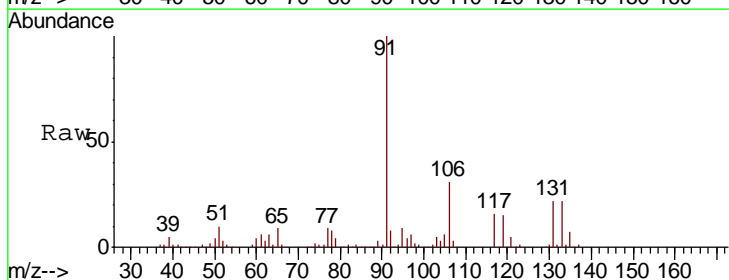
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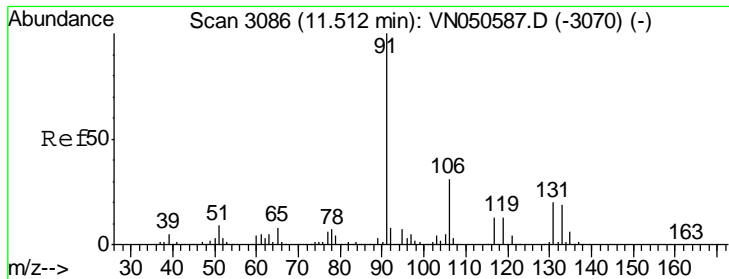
MMDadoda
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.86 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
131	154568		
133	97.0	47.6	142.9
119	65.8	33.1	99.3





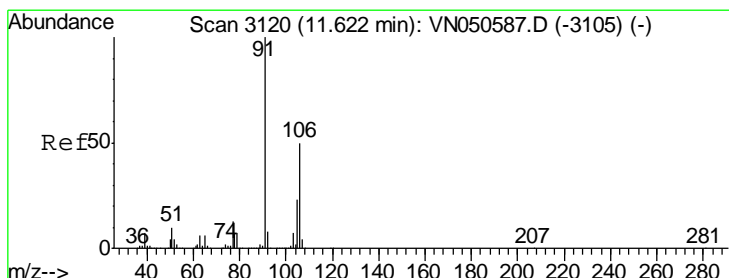
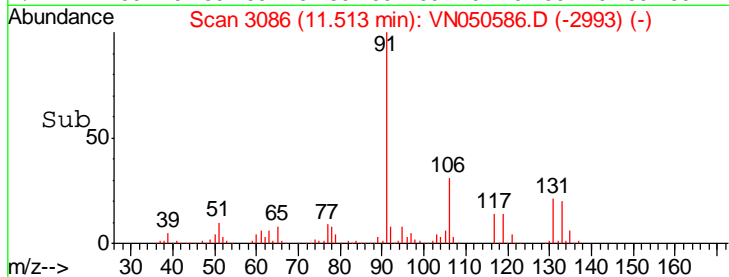
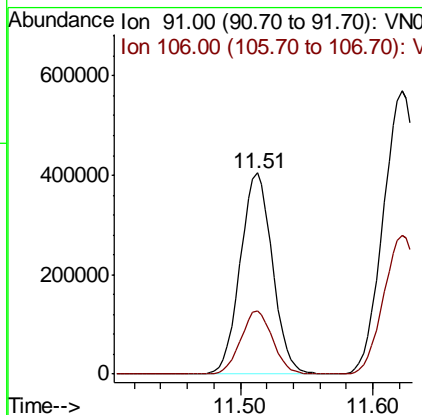
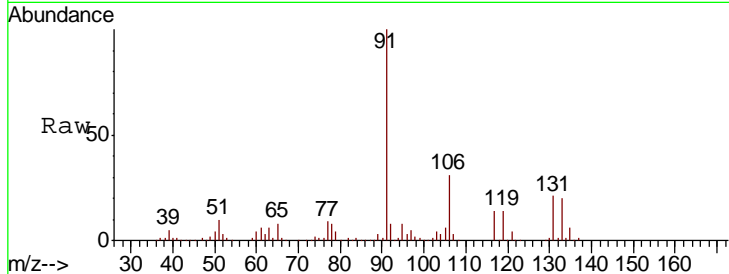
#67
Ethyl Benzene
Concen: 19.79 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
Client Sampled : VSTDIC020

Tgt Ion: 91 Resp: 682406
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

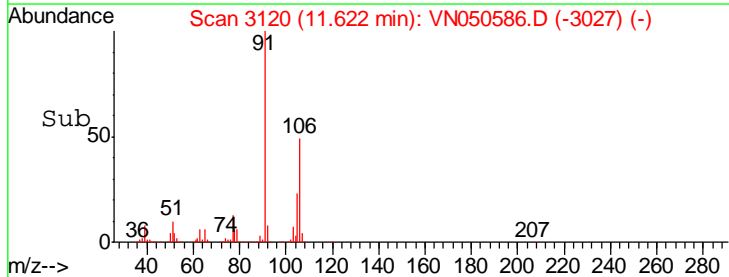
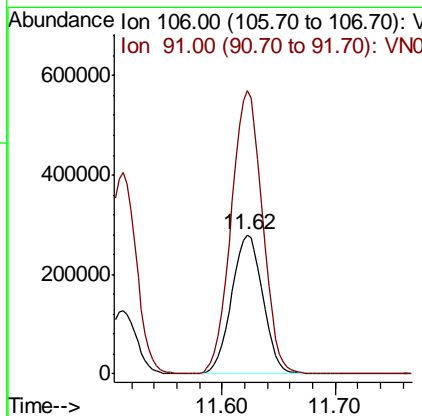
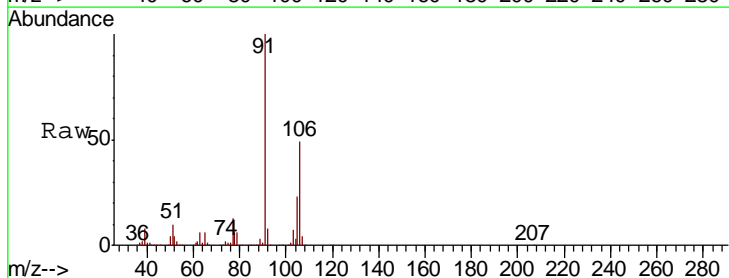
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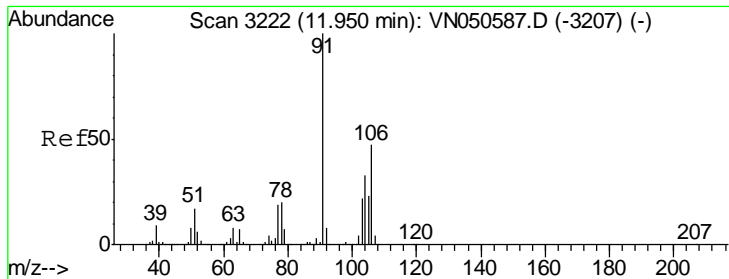
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#68
m/p-Xylenes
Concen: 40.98 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050586.D
Acq: 14 Aug 2018 00:35

Tgt Ion: 106 Resp: 538449
Ion Ratio Lower Upper
106 100
91 203.2 161.5 242.3





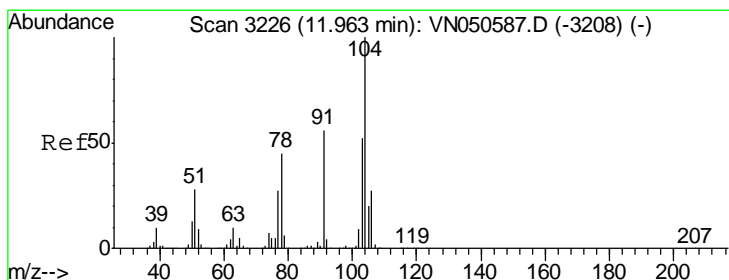
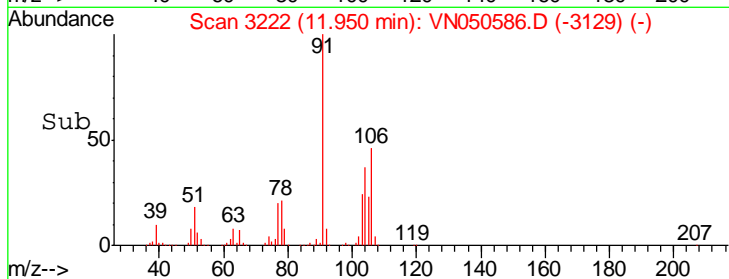
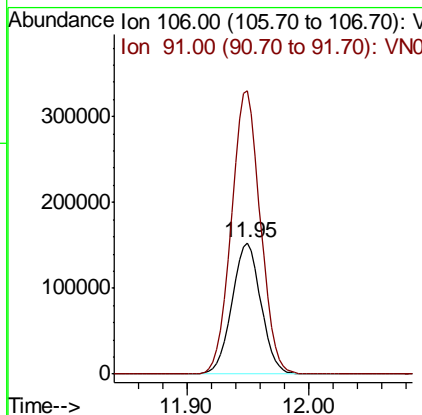
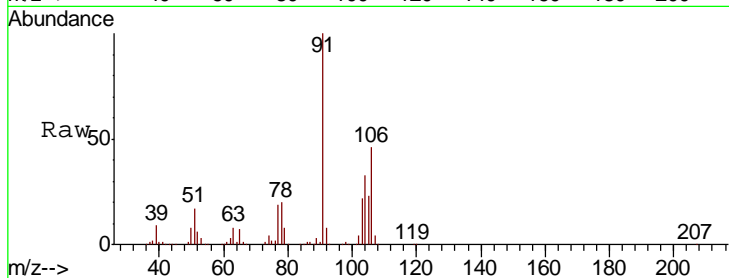
#69
 o-Xylene
 Concen: 19.97 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
106	252233		
106	100		
91	216.5	106.8	320.4

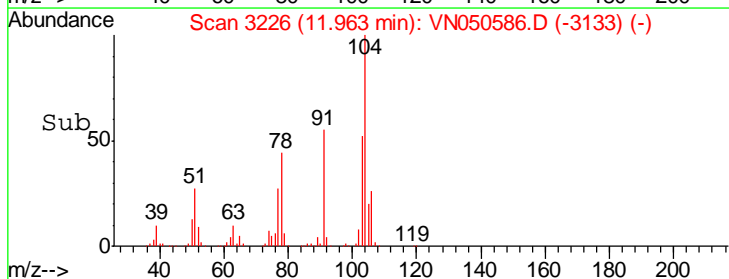
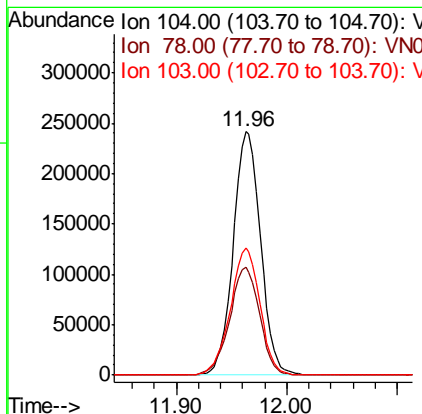
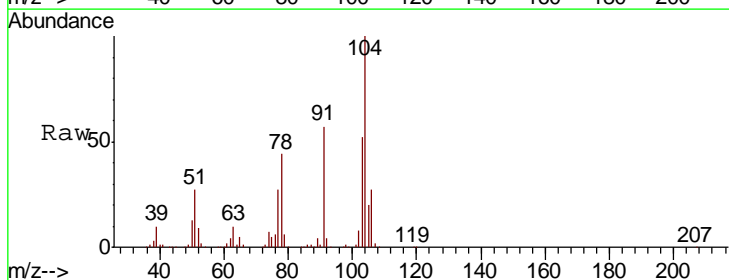
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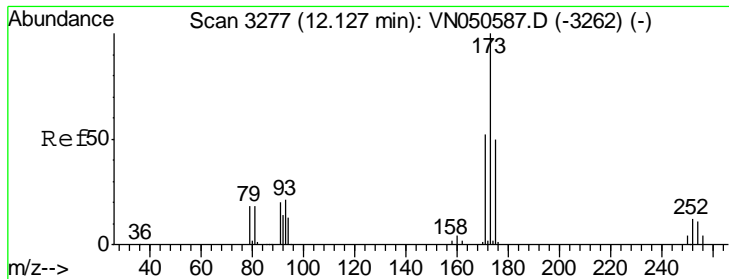
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#70
 Styrene
 Concen: 20.29 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
104	415736		
104	100		
78	48.5	39.1	58.7
103	56.3	44.9	67.3





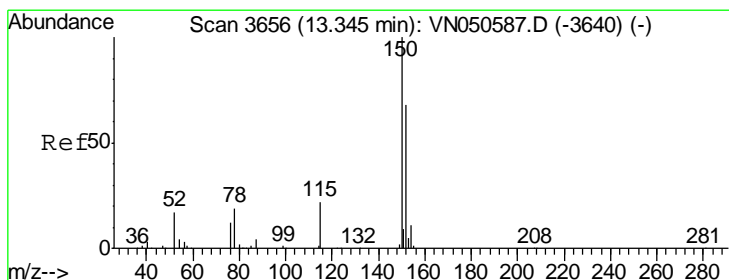
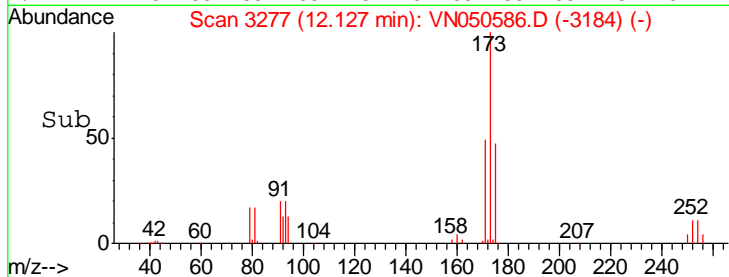
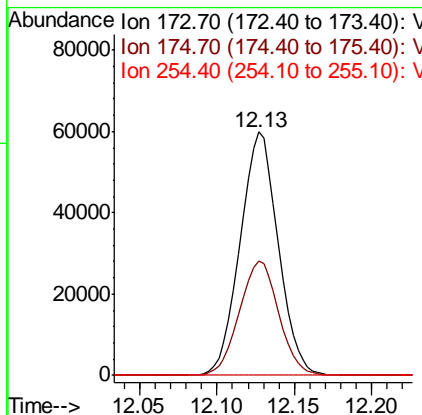
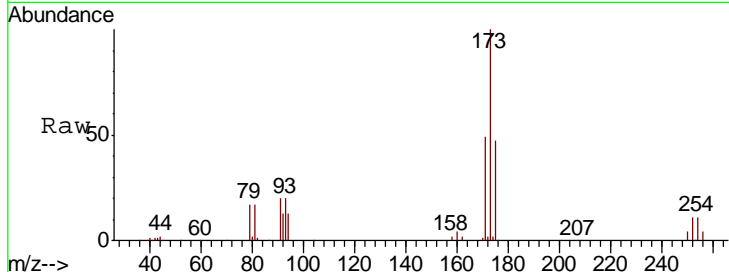
#71
 Bromoform
 Concen: 18.38 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
173	102623		
175	48.5	24.4	73.2
254	0.0	0.0	0.0

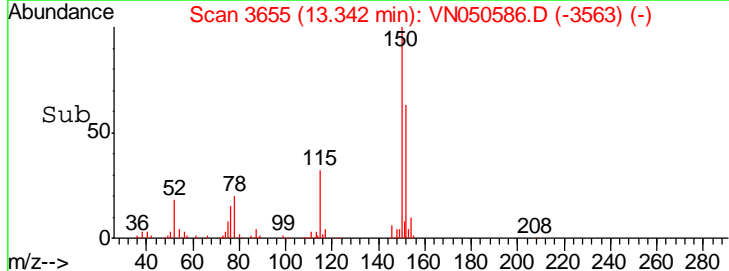
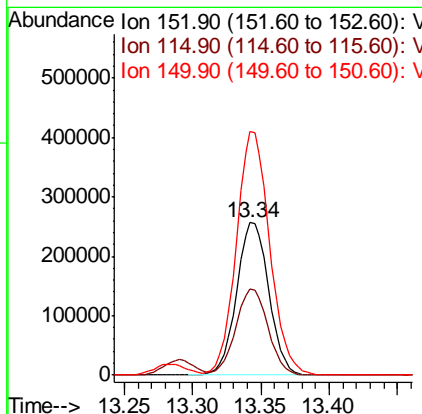
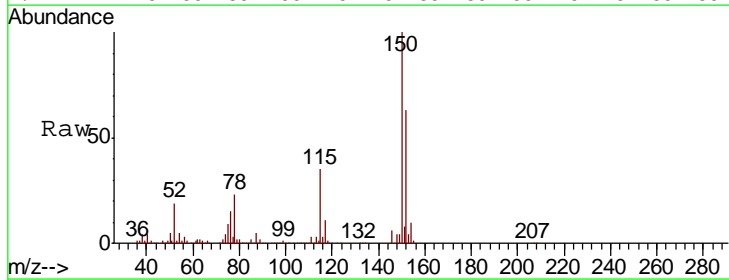
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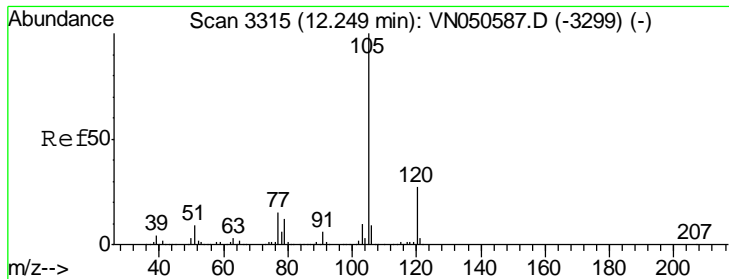
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
152	419908		
115	56.7	28.1	84.2
150	165.7	0.0	347.8





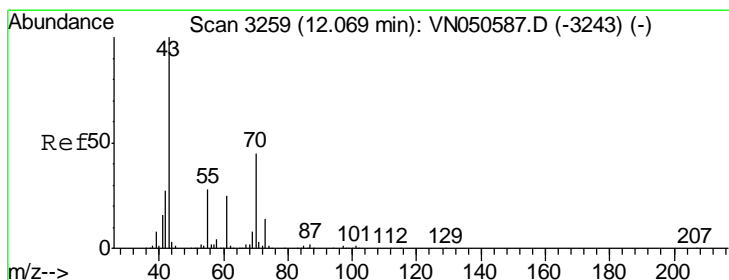
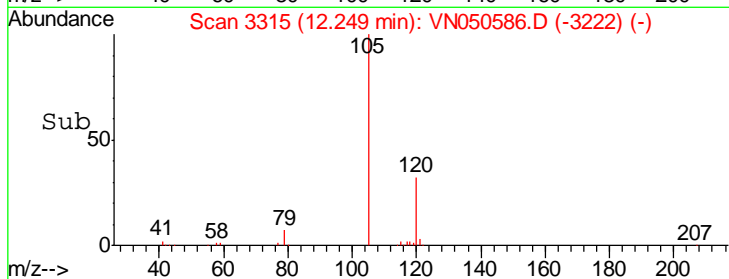
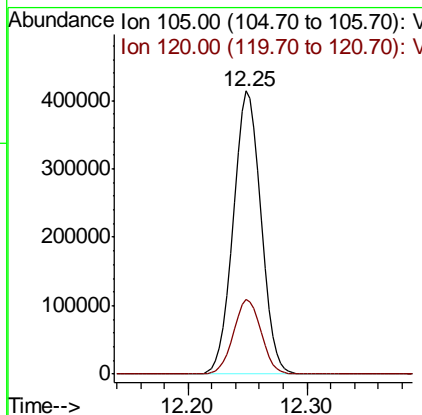
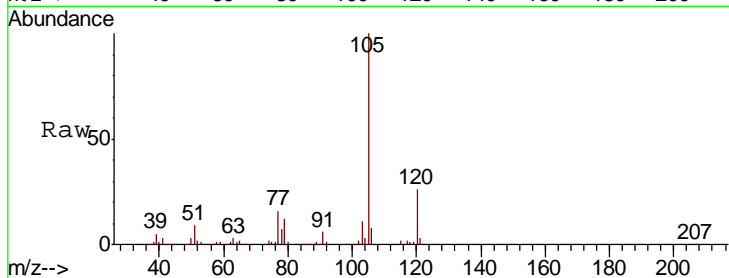
#73
 Isopropylbenzene
 Concen: 21.02 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	667380		
120	26.3	13.4	40.1

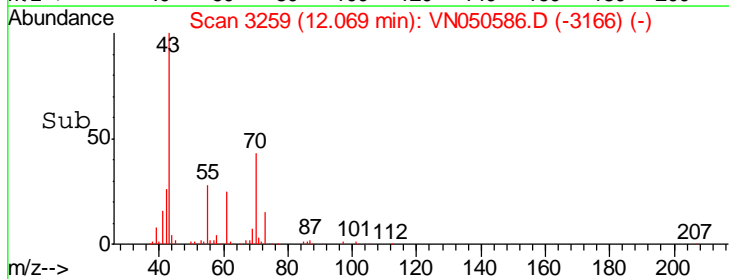
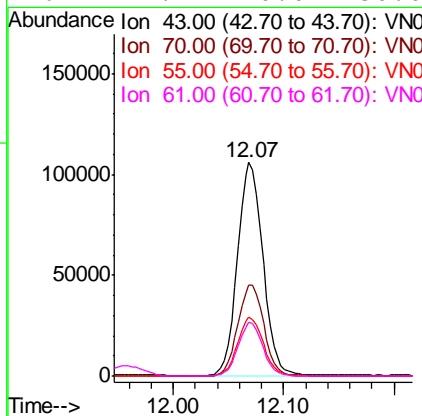
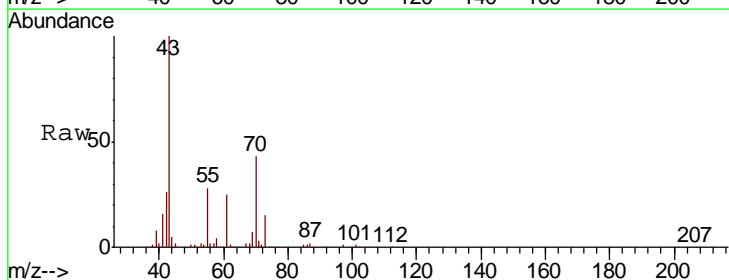
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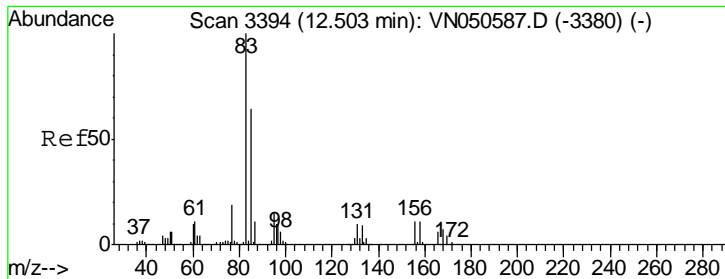
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#74
 N-ethyl acetate
 Concen: 17.11 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
43	169835		
70	43.9	35.9	53.9
55	27.8	22.2	33.4
61	24.2	20.0	30.0





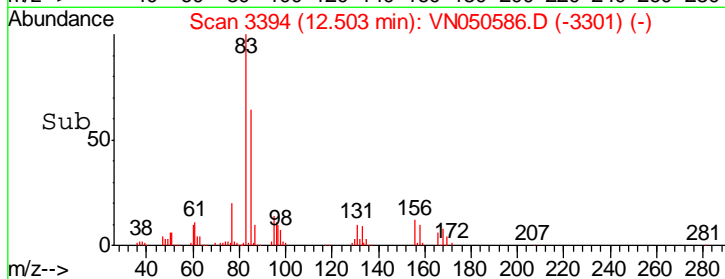
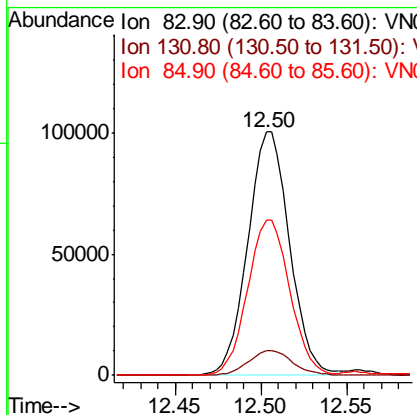
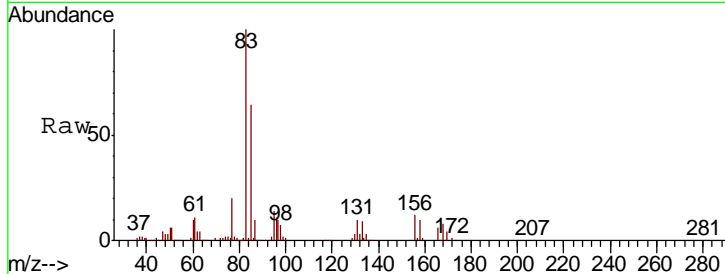
#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.86 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
83	169019		
131	10.7	5.3	15.9
85	64.5	32.1	96.5

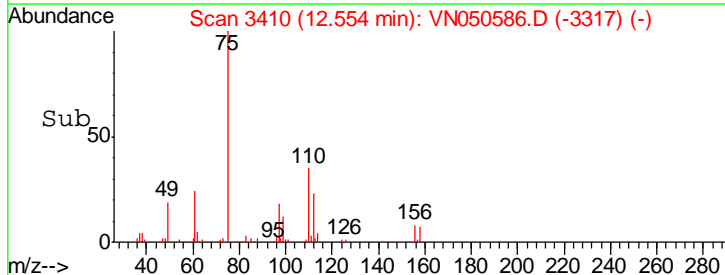
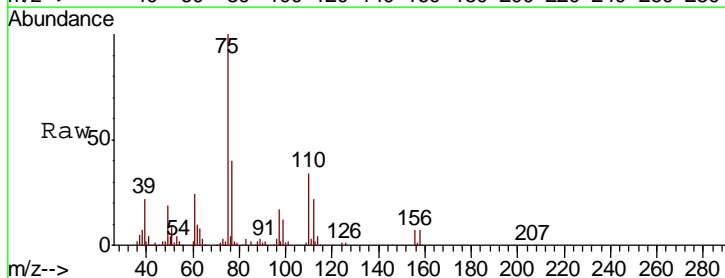
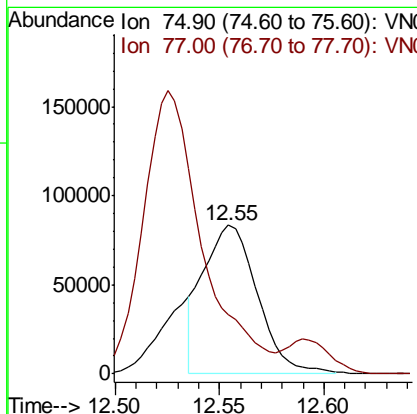
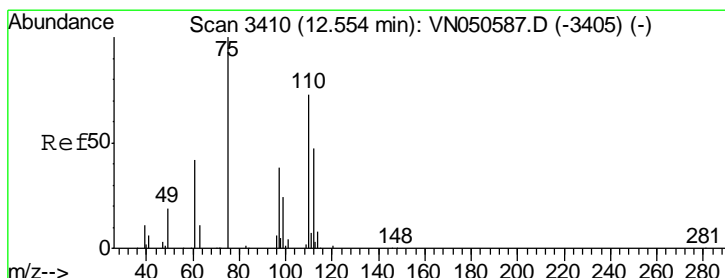
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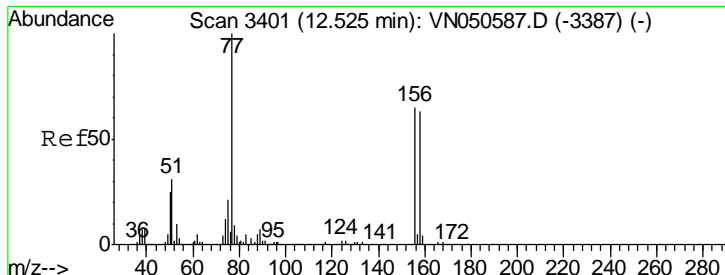
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#76
 1,2,3-Trichloropropane
 Concen: 19.89 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
75	150927		
77	0.0	0.0	0.0





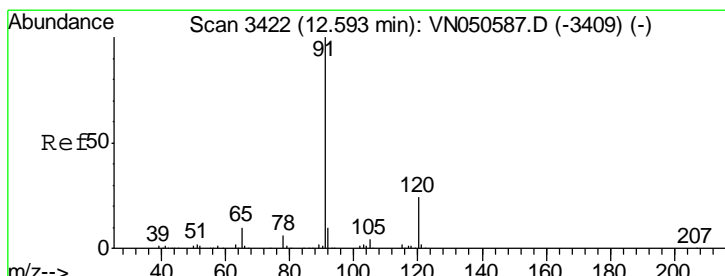
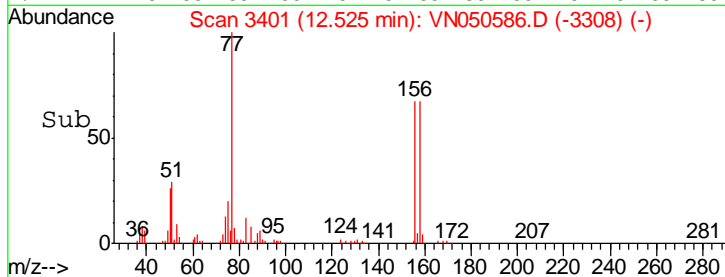
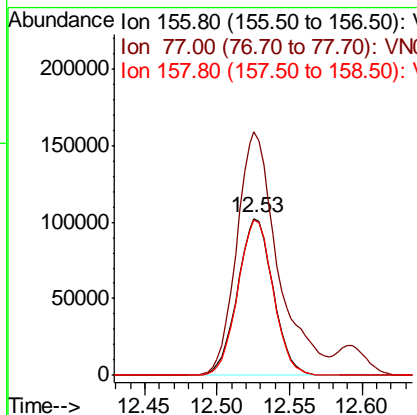
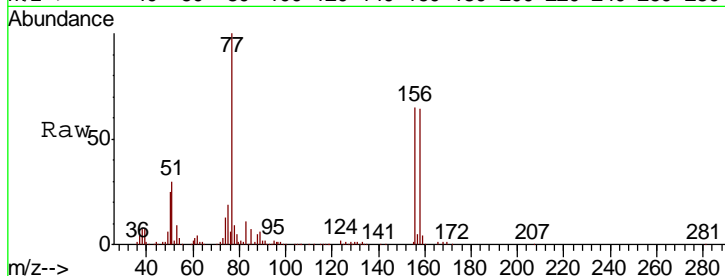
#77
 Bromobenzene
 Concen: 20.45 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
156	173694		
77	180.9	89.0	267.1
158	98.6	48.5	145.6

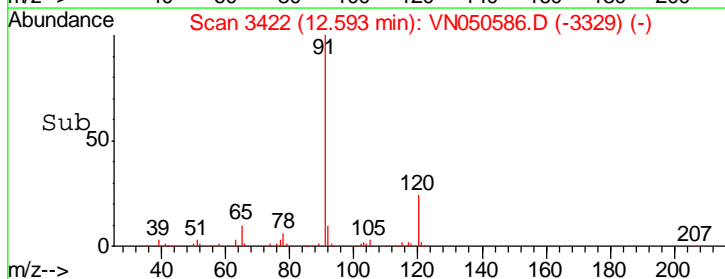
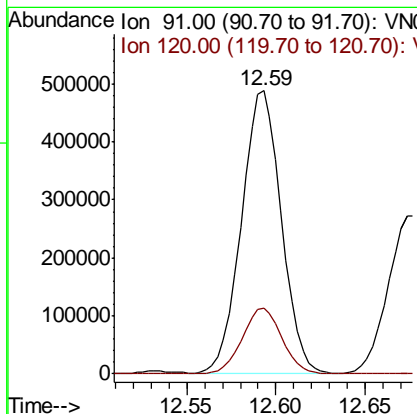
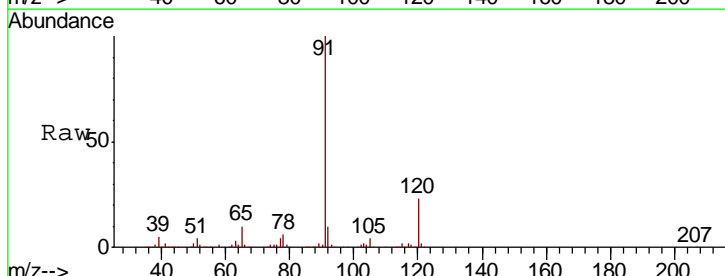
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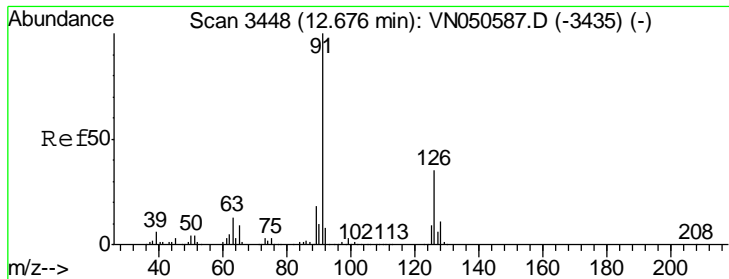
MMDadoda
 8/15/2018 3:21:04 PM



#78
 n-propylbenzene
 Concen: 21.07 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
91	756549		
120	23.2	11.8	35.4





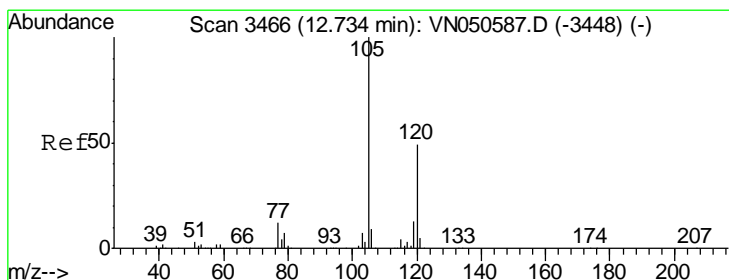
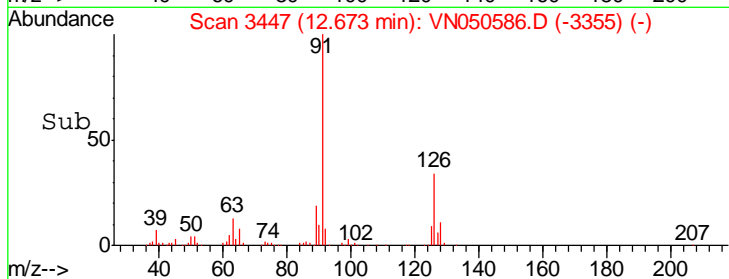
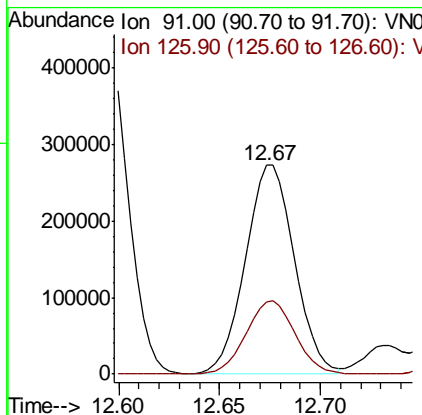
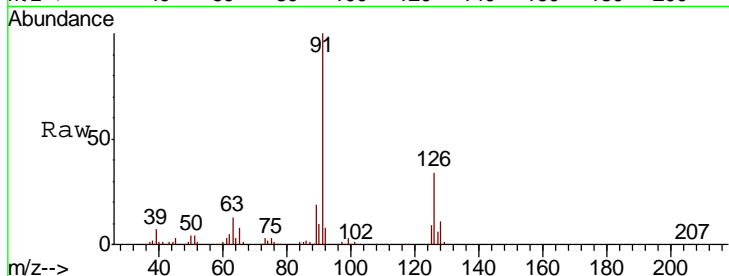
#79
 2-Chlorotoluene
 Concen: 20.81 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.2	17.6	52.8

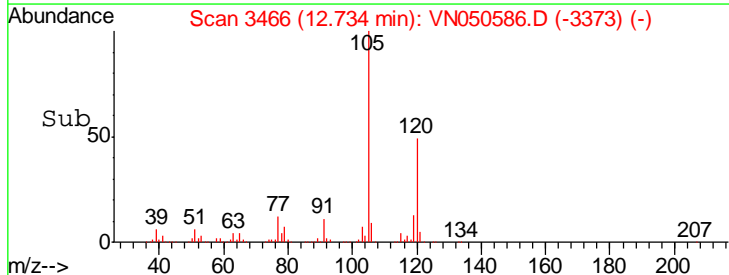
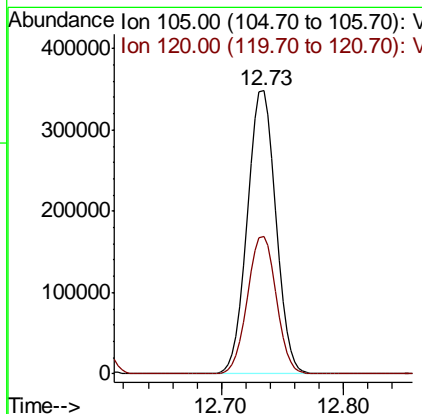
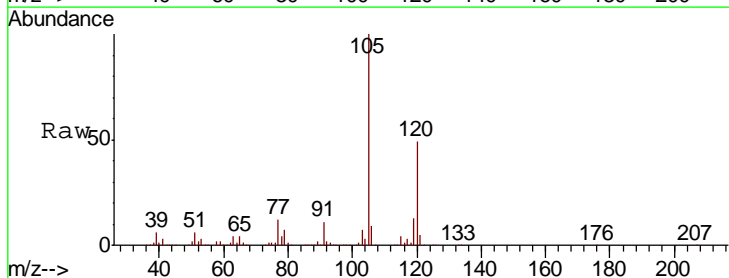
Manual Integrations
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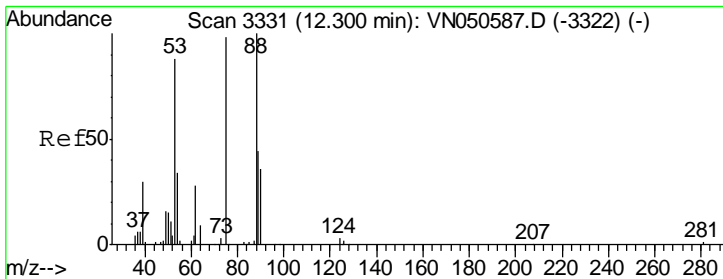
MMDadoda
 8/15/2018 3:21:04 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.64 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.1	24.7	74.1





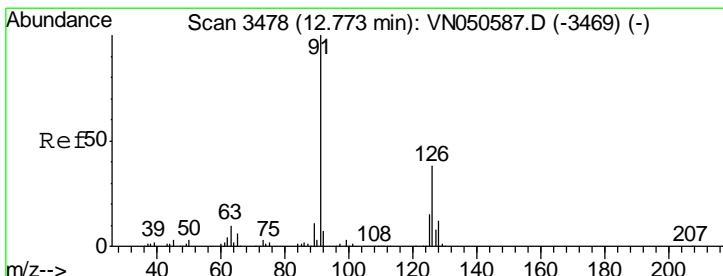
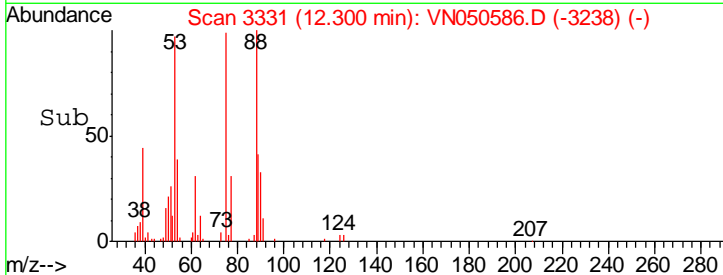
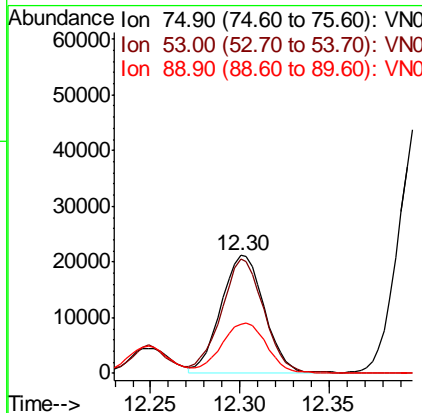
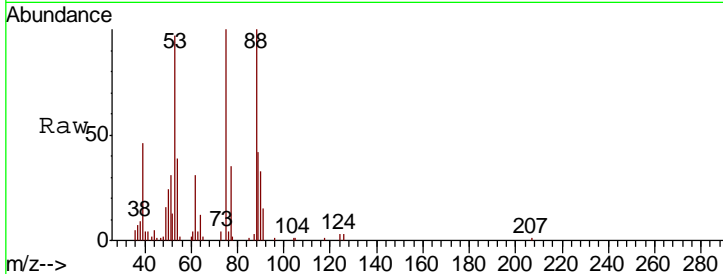
#81
 trans-1,4-Dichloro-2-butene
 Concen: 17.13 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
75	100		
53	94.9	72.2	108.2
89	44.6	36.3	54.5

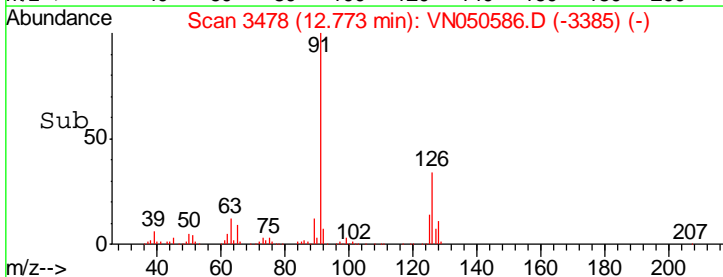
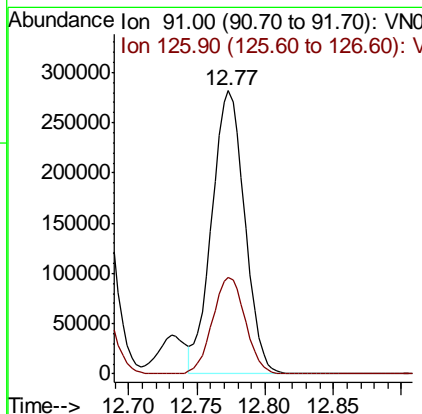
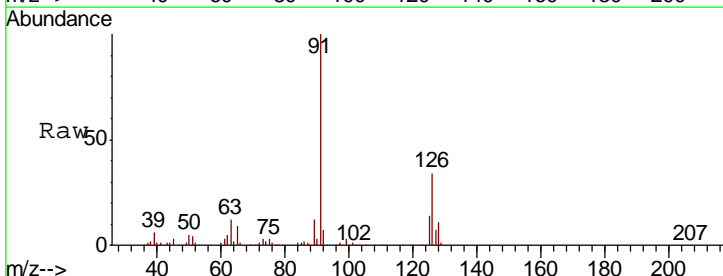
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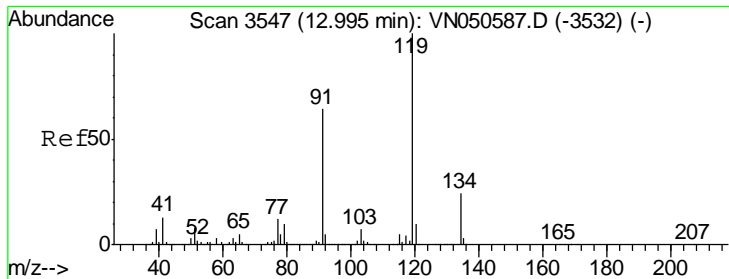
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 8/15/2018 3:21:04 PM



#82
 4-Chlorotoluene
 Concen: 21.28 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.1	17.3	52.0





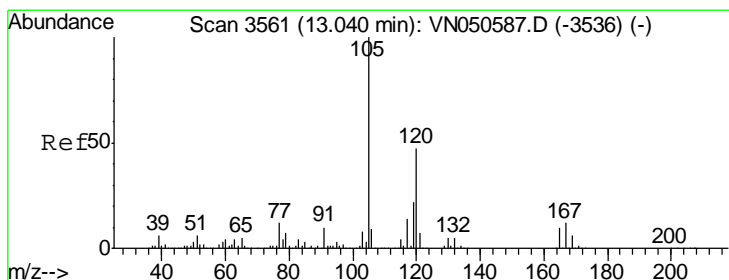
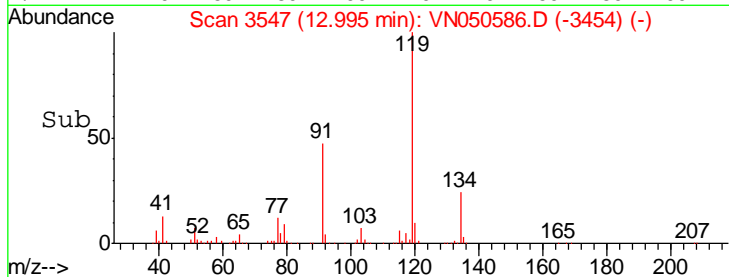
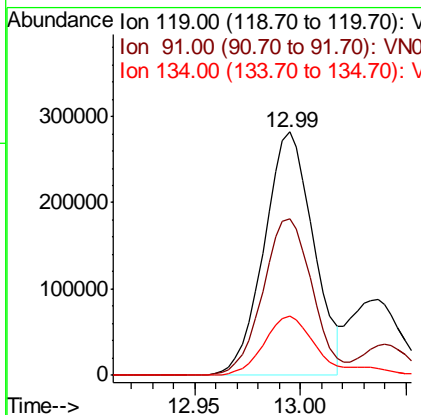
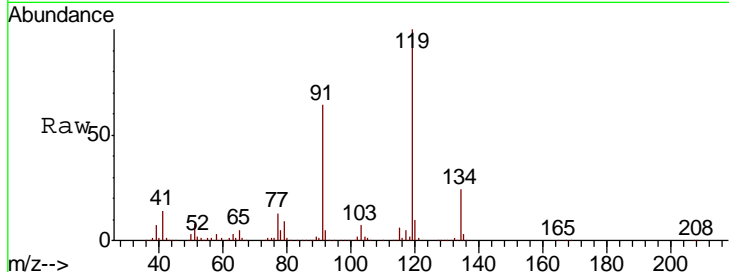
#83
 tert-Butylbenzene
 Concen: 20.47 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
119	458109		
91	64.6	32.2	96.6
134	25.0	13.4	40.2

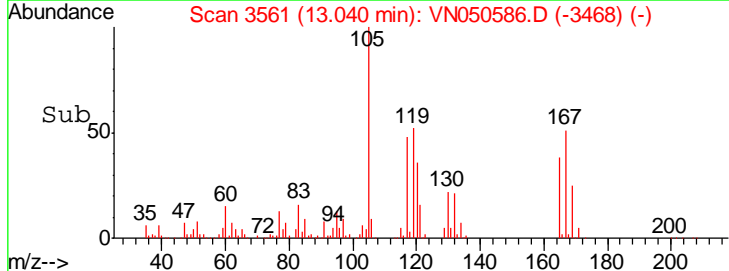
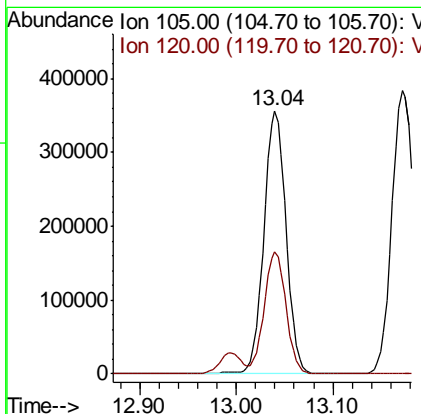
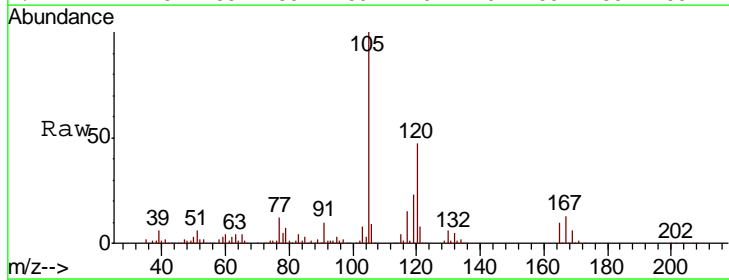
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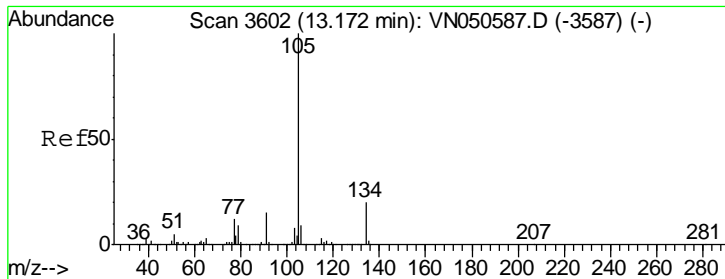
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 8/15/2018 3:21:04 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.75 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
105	566422		
120	45.8	23.2	69.5





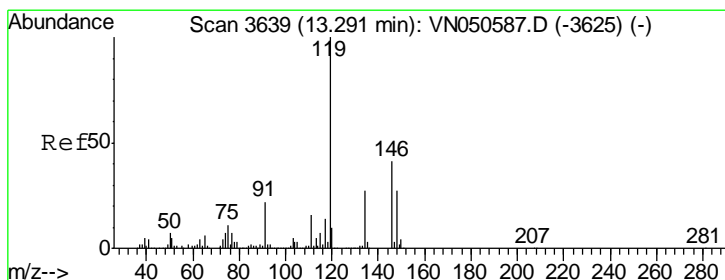
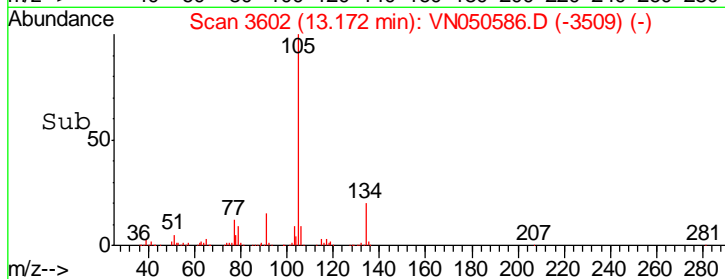
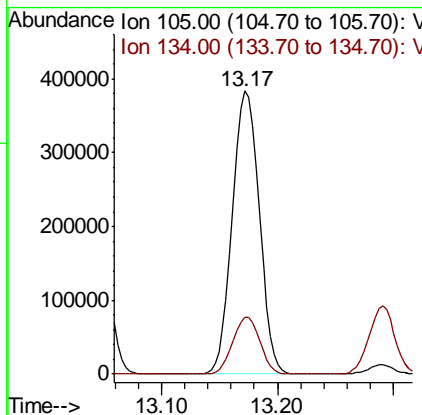
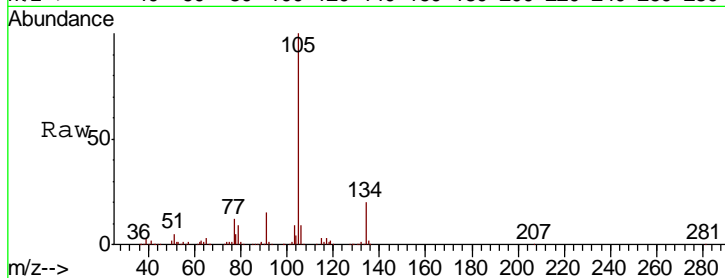
#85
 sec-Butylbenzene
 Concen: 20.64 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
105	616851		
134	20.3	10.1	30.3

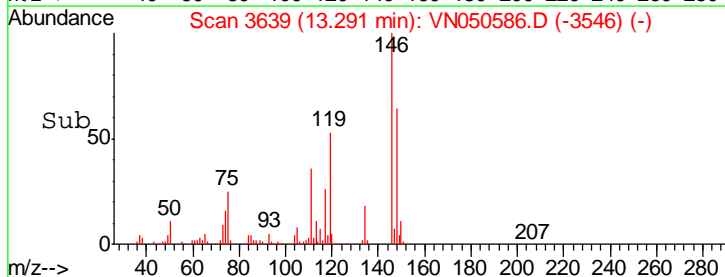
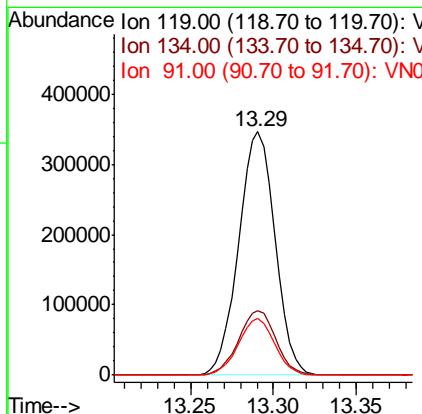
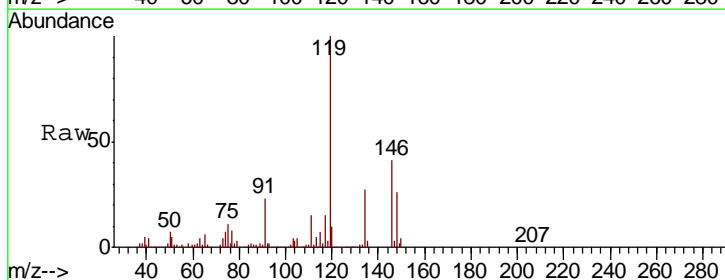
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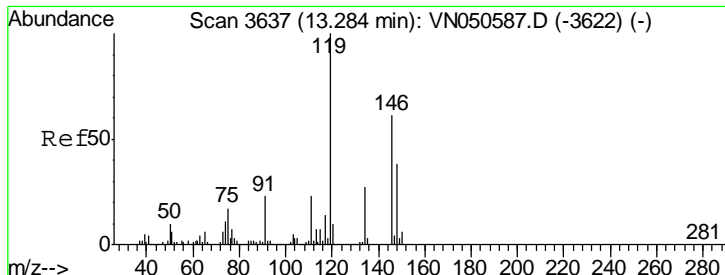
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#86
 p-Isopropyltoluene
 Concen: 20.63 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
119	527638		
134	27.1	13.5	40.4
91	23.0	11.2	33.6





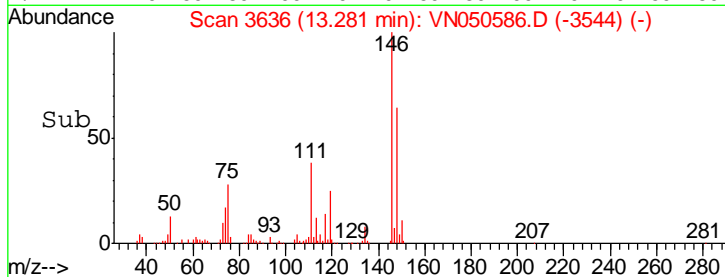
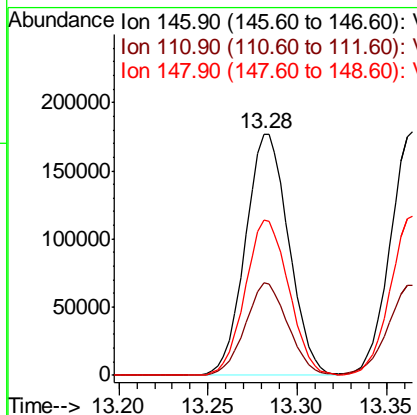
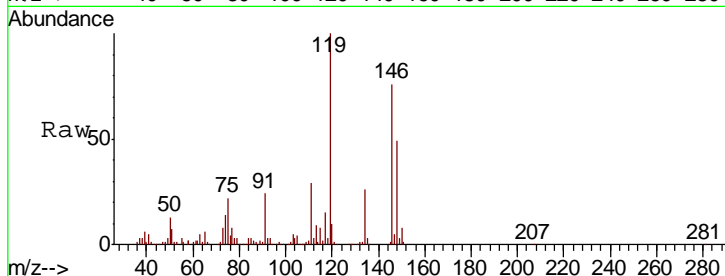
#87
 1,3-Dichlorobenzene
 Concen: 20.01 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 ClientSampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	301471		
146	100		
111	37.5	19.2	57.6
148	64.4	31.9	95.7

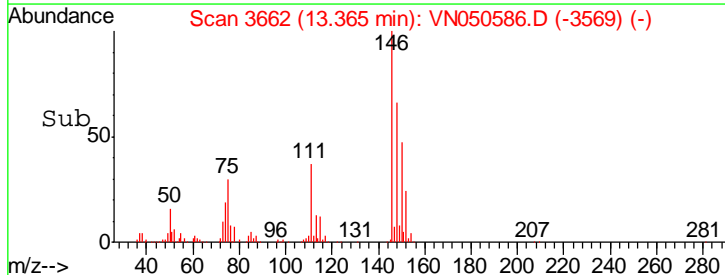
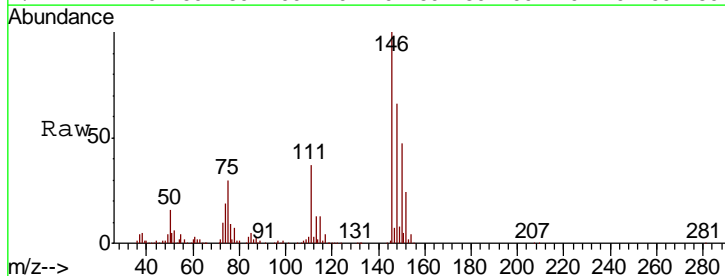
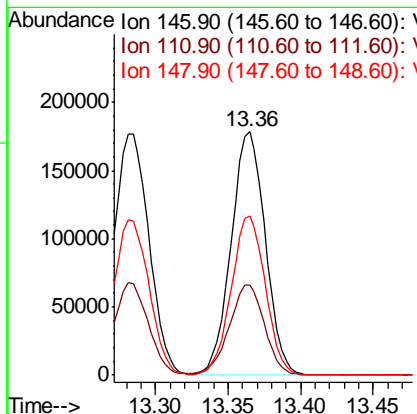
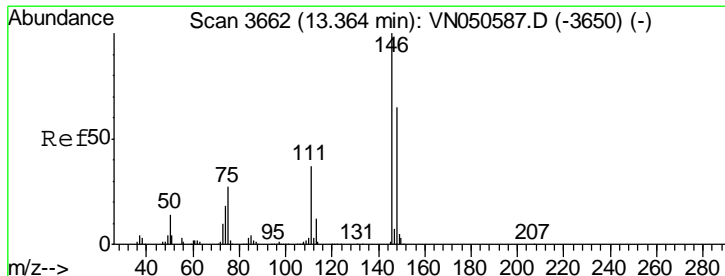
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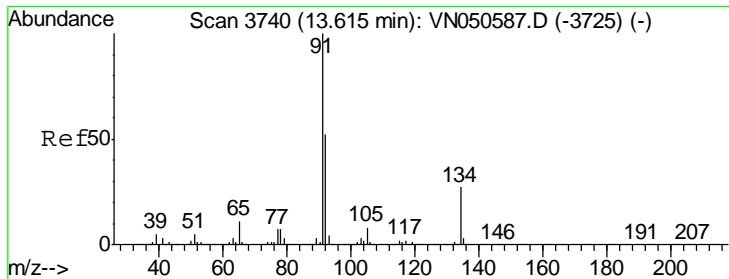
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#88
 1,4-Dichlorobenzene
 Concen: 19.42 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
146	291932		
146	100		
111	38.3	18.8	56.4
148	65.2	32.3	96.8





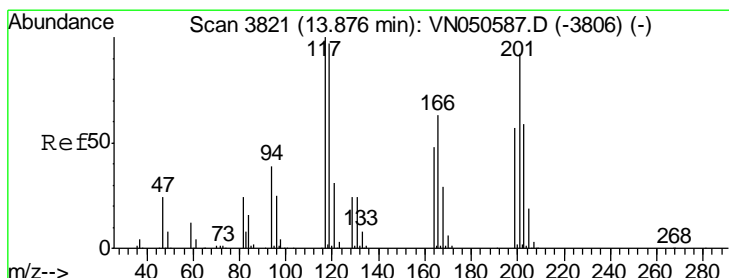
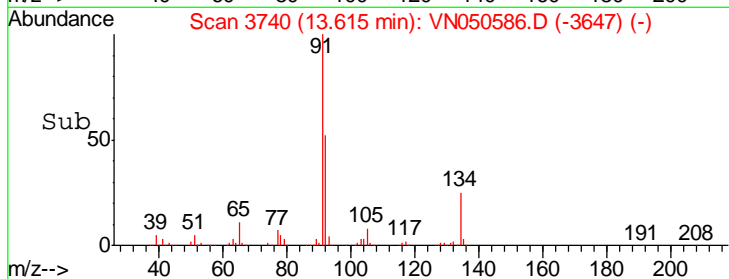
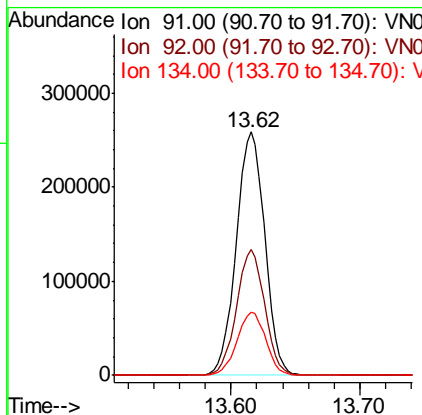
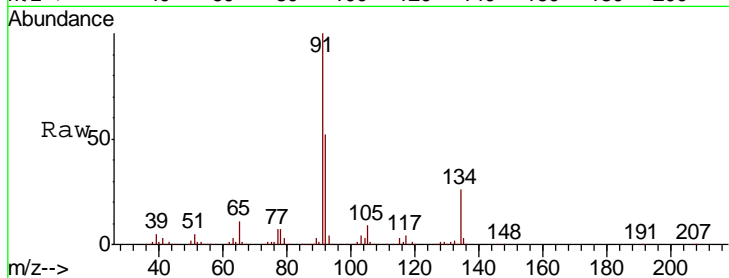
#89
 n-Butylbenzene
 Concen: 18.42 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
91	100		
92	50.8	26.3	78.8
134	26.1	13.3	39.9

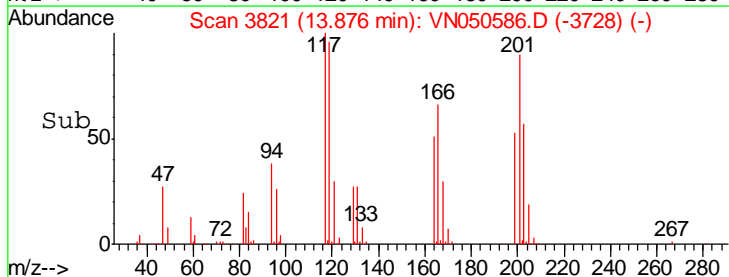
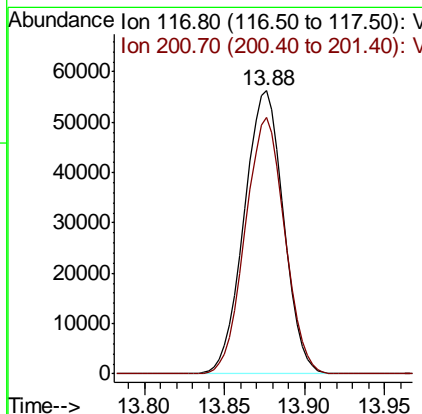
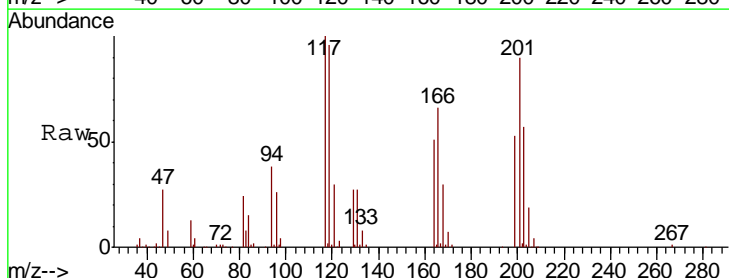
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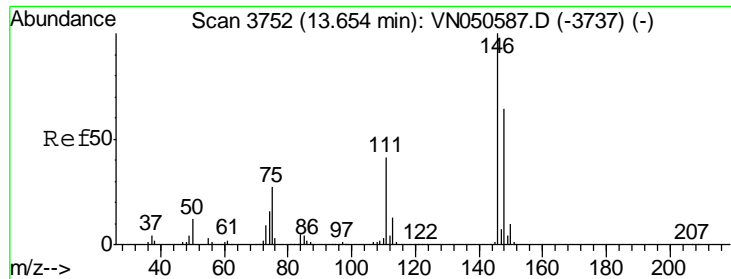
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#90
 Hexachloroethane
 Concen: 20.61 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
117	100		
201	90.6	45.5	136.5





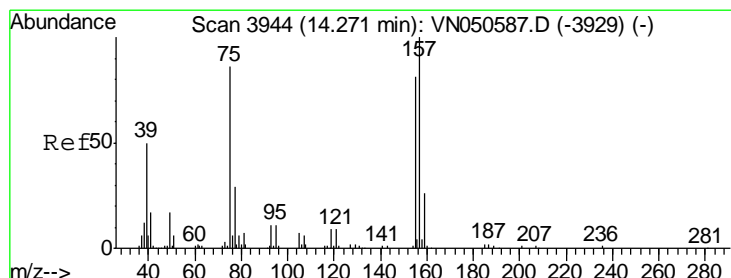
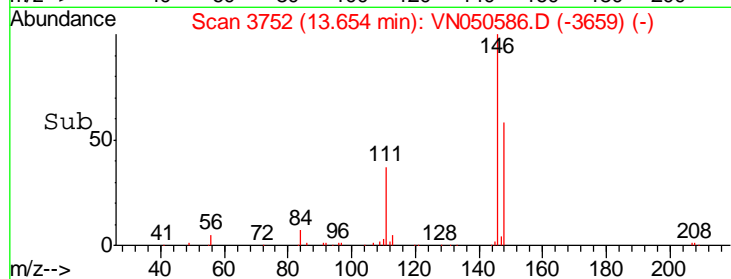
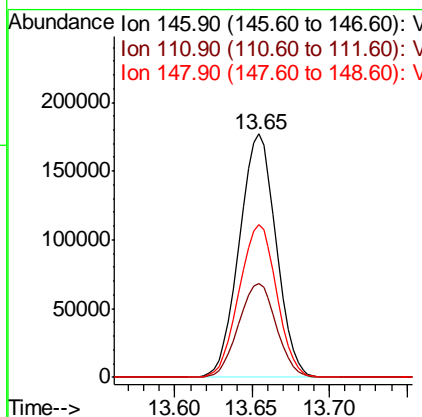
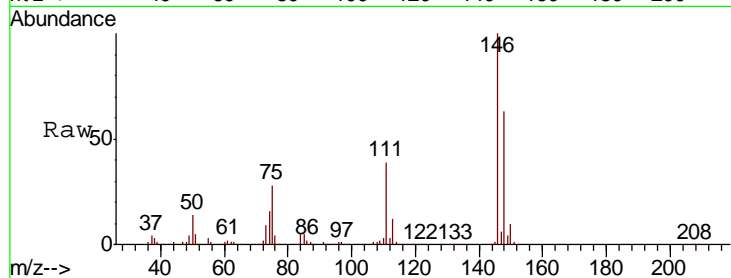
#91
 1,2-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Resp	Lower	Upper
146	293579		
111	39.4	19.8	59.4
148	63.9	32.3	96.8

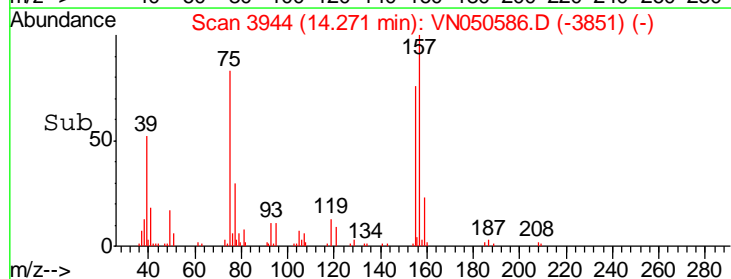
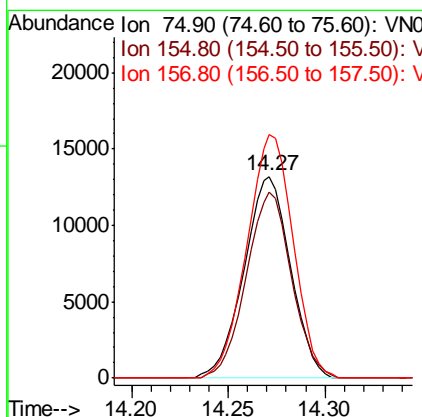
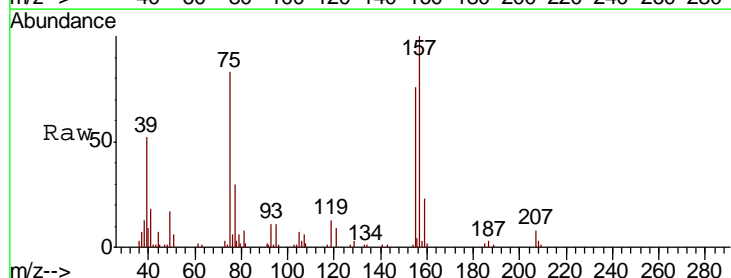
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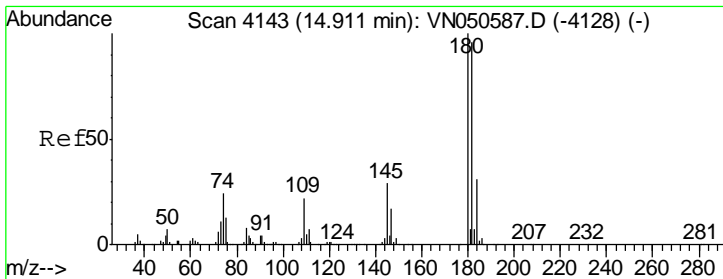
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.78 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
75	22087		
155	89.7	46.6	139.8
157	119.9	58.1	174.2





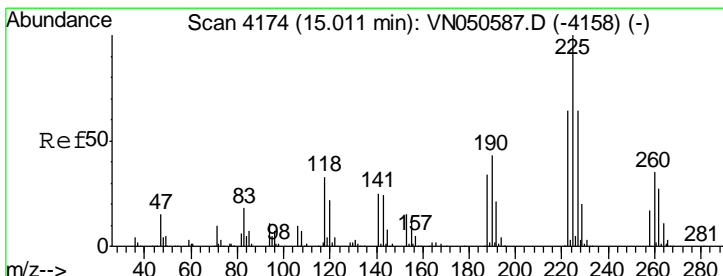
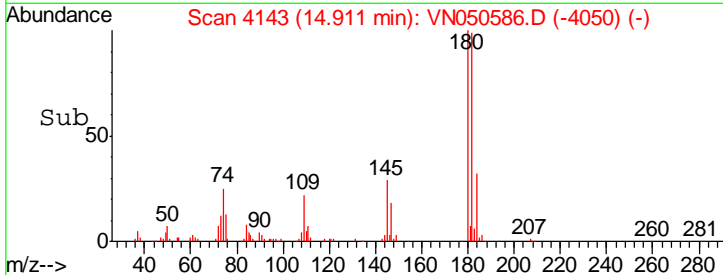
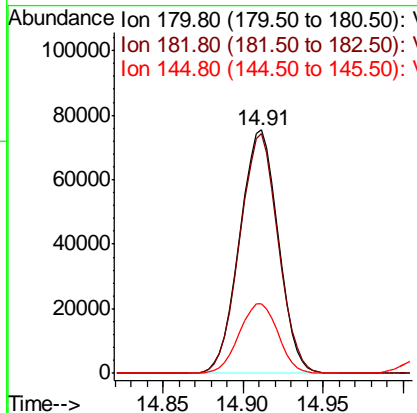
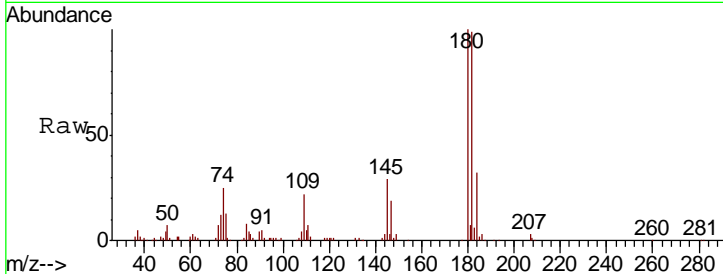
#93
 1,2,4-Trichlorobenzene
 Concen: 16.42 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
180	124128		
182	98.1	47.9	143.7
145	29.0	14.4	43.4

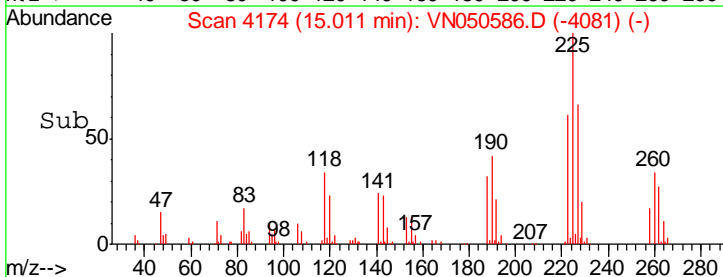
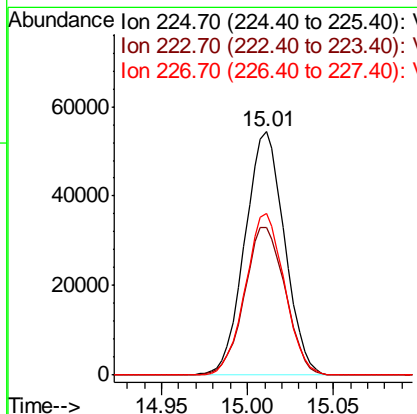
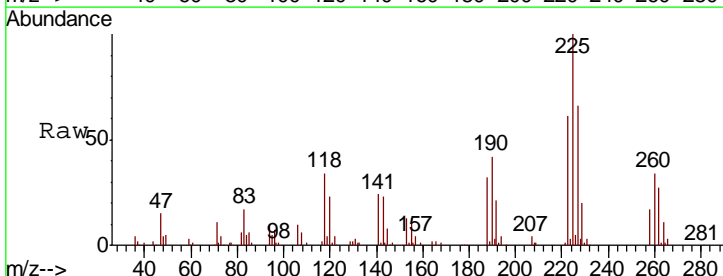
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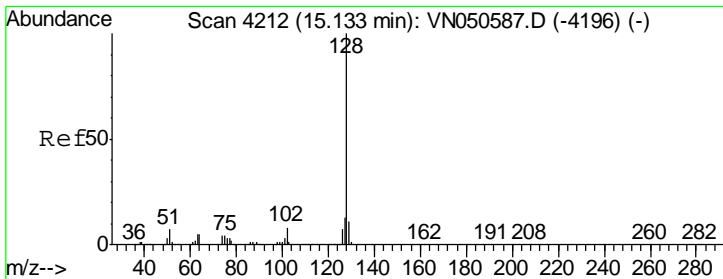
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 15.75 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
225	86763		
223	62.6	32.1	96.3
227	65.7	32.0	96.2





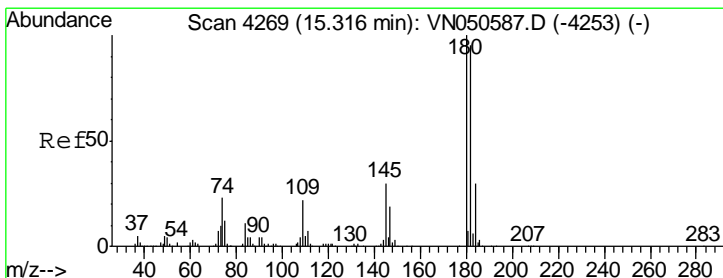
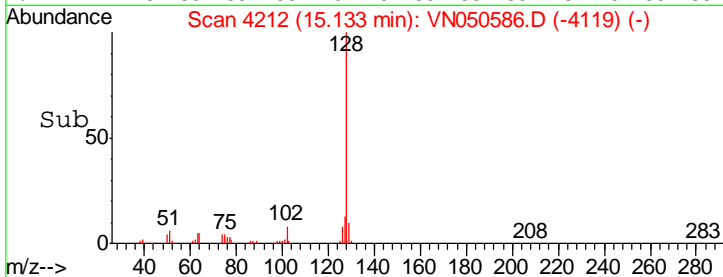
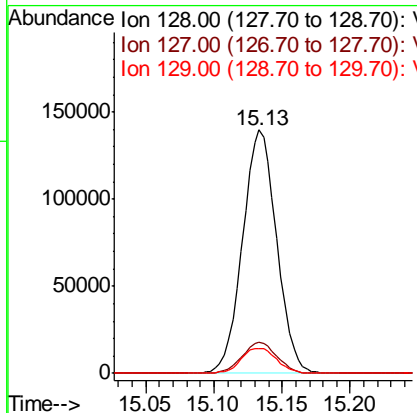
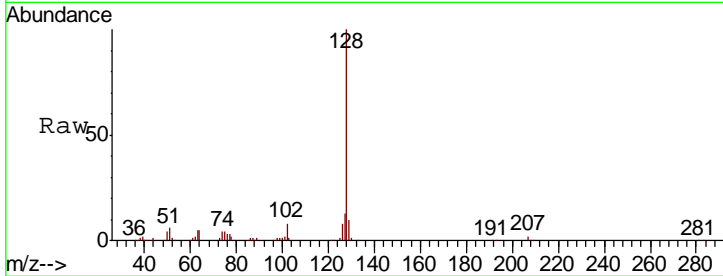
#95
 Naphthalene
 Concen: 14.15 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Instrument : MSVOA_N
 Client Sampled : VSTDIC020

Tgt Ion	Resp	Lower	Upper
128	241886		
127	13.2	10.3	15.5
129	10.8	8.5	12.7

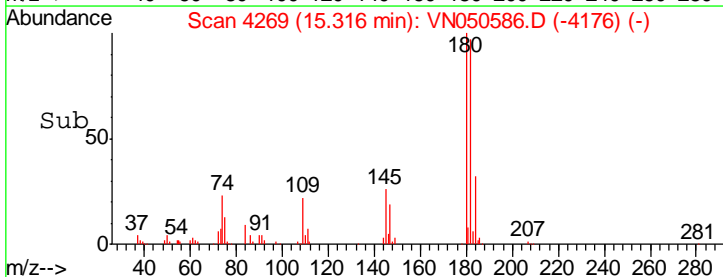
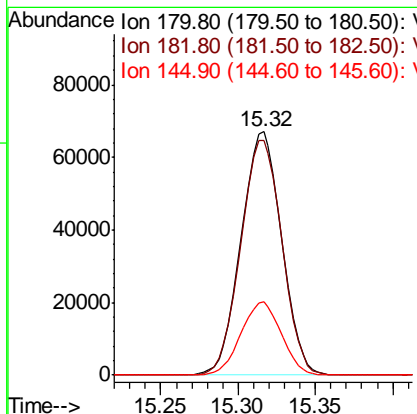
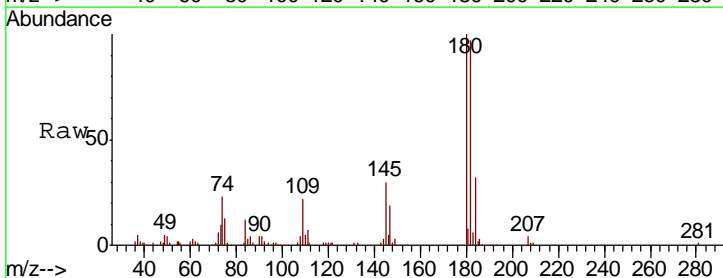
Manual Integrations APPROVED

MMDadoda
 8/15/2018 3:21:04 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 16.01 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050586.D
 Acq: 14 Aug 2018 00:35

Tgt Ion	Resp	Lower	Upper
180	122308		
182	98.1	47.3	141.8
145	29.9	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050587.D
 Acq On : 14 Aug 2018 1:00
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:11 PM

Quant Time: Aug 14 07:43:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	668486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	965586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	893322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	468608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	414148	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	7.59	113	389299	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.09	98	1472734	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.40	95	491135	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	363706	48.97	ug/l	100
3) Chloromethane	2.06	50	449077	45.29	ug/l	100
4) Vinyl Chloride	2.18	62	473105	49.15	ug/l	100
5) Bromomethane	2.56	94	273966	46.44	ug/l	100
6) Chloroethane	2.70	64	281400	47.67	ug/l	100
7) Trichlorofluoromethane	3.01	101	606886	48.91	ug/l	100
8) Diethyl Ether	3.41	74	210349	46.64	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	372470	48.53	ug/l	100
10) Methyl Iodide	3.95	142	244454	65.94	ug/l	100
11) Tert butyl alcohol	4.79	59	110960	166.65	ug/l	100
12) 1,1-Dichloroethene	3.73	96	344717	47.74	ug/l	100
13) Acrolein	3.61	56	41776	58.64	ug/l	100
14) Allyl chloride	4.32	41	541732	47.10	ug/l	100
15) Acrylonitrile	4.99	53	623077	213.01	ug/l	100
16) Acetone	3.82	43	514835	184.45	ug/l	100
17) Carbon Disulfide	4.05	76	1072331	45.66	ug/l	100
18) Methyl Acetate	4.33	43	288390	36.24	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	926738	46.02	ug/l	100
20) Methylene Chloride	4.55	84	404126	40.67	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	377135	48.30	ug/l	100
22) Diisopropyl ether	5.96	45	1187127	50.30	ug/l	100
23) Vinyl Acetate	5.90	43	3927236	236.95	ug/l	100
24) 1,1-Dichloroethane	5.85	63	699630	48.16	ug/l	100
25) 2-Butanone	6.84	43	842957	198.41	ug/l	100
26) 2,2-Dichloropropane	6.83	77	458277	39.46	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	420151	48.62	ug/l	100
28) Bromochloromethane	7.20	49	329992	49.28	ug/l	100
29) Tetrahydrofuran	7.21	42	455998	200.08	ug/l	100
30) Chloroform	7.37	83	704619	48.53	ug/l	100
31) Cyclohexane	7.65	56	635662	43.70	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	605461	48.56	ug/l	100
36) 1,1-Dichloropropene	7.79	75	544336	51.38	ug/l	100
37) Ethyl Acetate	6.93	43	313200	42.72	ug/l	100
38) Carbon Tetrachloride	7.78	117	536933	48.59	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050587.D
 Acq On : 14 Aug 2018 1:00
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Manual Integrations
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 8/15/2018 3:21:11 PM

Quant Time: Aug 14 07:43:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	592507	51.26	ug/l	100
40) Benzene	8.04	78	1640352	50.29	ug/l	100
41) Methacrylonitrile	7.18	41	174455	44.07	ug/l	100
42) 1,2-Dichloroethane	8.13	62	491363	47.90	ug/l	100
43) Isopropyl Acetate	8.17	43	553478	43.25	ug/l	100
44) Trichloroethene	8.84	130	430685	49.10	ug/l	100
45) 1,2-Dichloropropane	9.12	63	427945	49.93	ug/l	100
46) Dibromomethane	9.21	93	245828	46.96	ug/l	100
47) Bromodichloromethane	9.40	83	538426	49.17	ug/l	100
48) Methyl methacrylate	9.20	41	278647	43.62	ug/l	100
49) 1,4-Dioxane	9.20	88	74392	766.12	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1948296	213.24	ug/l	100
52) Toluene	10.16	92	1009074	51.57	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	522887	48.09	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	611874	50.16	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	359193	47.44	ug/l	100
56) Ethyl methacrylate	10.43	69	448443	47.59	ug/l	100
57) 1,3-Dichloropropane	10.71	76	600655	48.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1083201	246.06	ug/l	100
59) 2-Hexanone	10.75	43	1286714	203.09	ug/l	100
60) Dibromochloromethane	10.90	129	405262	48.52	ug/l	100
61) 1,2-Dibromoethane	11.01	107	352028	47.37	ug/l	100
64) Tetrachloroethene	10.63	164	410147	49.21	ug/l	100
65) Chlorobenzene	11.44	112	1097230	48.97	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	407622	49.86	ug/l	100
67) Ethyl Benzene	11.51	91	1897710	52.39	ug/l	100
68) m/p-Xylenes	11.62	106	1477026	107.03	ug/l	100
69) o-Xylene	11.95	106	700354	52.78	ug/l	100
70) Styrene	11.96	104	1150339	53.46	ug/l	100
71) Bromoform	12.13	173	275821	47.02	ug/l #	100
73) Isopropylbenzene	12.25	105	1850997	52.25	ug/l	100
74) N-amyl acetate	12.07	43	476573	43.01	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	436513	43.64	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	360007m	42.51	ug/l	
77) Bromobenzene	12.53	156	475020	50.11	ug/l	100
78) n-propylbenzene	12.59	91	2122325	52.97	ug/l	100
79) 2-Chlorotoluene	12.68	91	1266302	51.14	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1530910	53.34	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	102893	43.97	ug/l	100
82) 4-Chlorotoluene	12.77	91	1287201	52.16	ug/l	100
83) tert-Butylbenzene	12.99	119	1276470	51.12	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1561831	53.75	ug/l	100
85) sec-Butylbenzene	13.17	105	1722820	51.66	ug/l	100
86) p-Isopropyltoluene	13.29	119	1507496	52.82	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	830291	49.38	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	808976	48.22	ug/l	100
89) n-Butylbenzene	13.62	91	1196890	49.61	ug/l	100
90) Hexachloroethane	13.88	117	256592	50.10	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	793342	47.26	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62390	37.41	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050587.D
 Acq On : 14 Aug 2018 1:00
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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 8/15/2018 3:21:11 PM

Quant Time: Aug 14 07:43:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399481	47.35	ug/l	100
94) Hexachlorobutadiene	15.01	225	232250	37.79	ug/l	100
95) Naphthalene	15.13	128	826660	43.33	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	382458	44.86	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

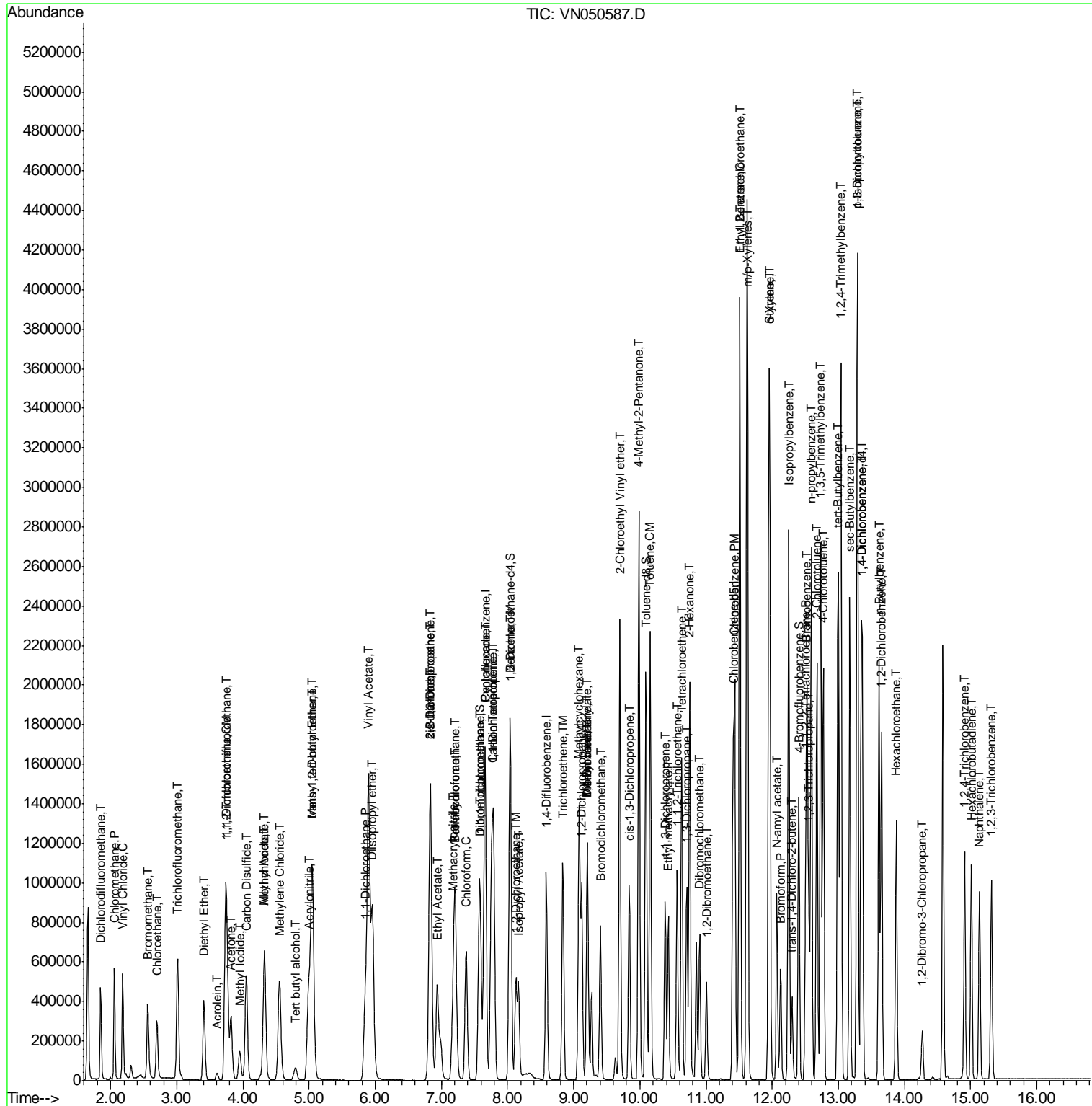
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 Data File : VN050587.D
 Acq On : 14 Aug 2018 1:00
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDICCC050

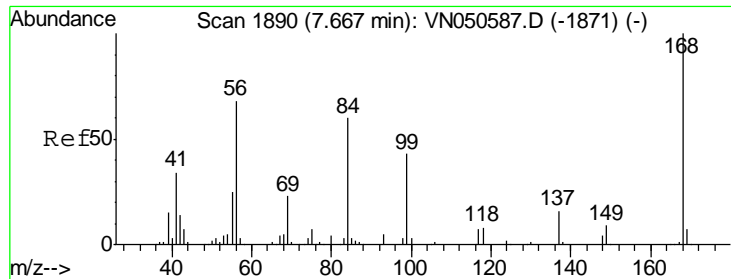
Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Aug 14 07:43:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration



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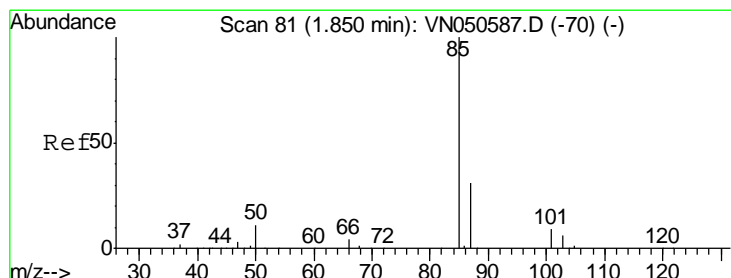
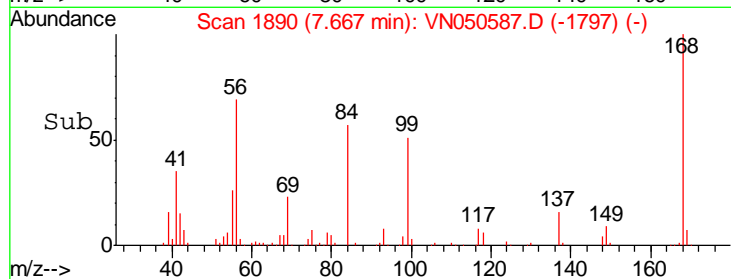
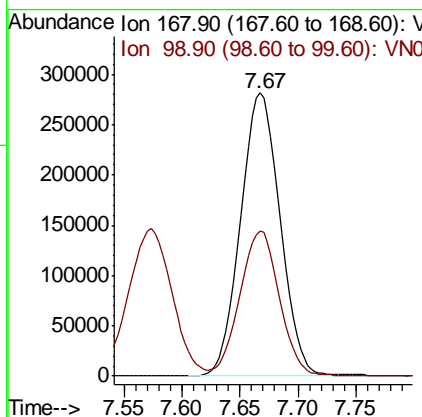
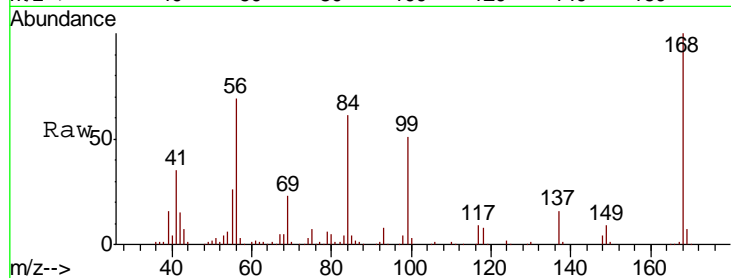
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
168	100		
99	51.0	40.8	61.2

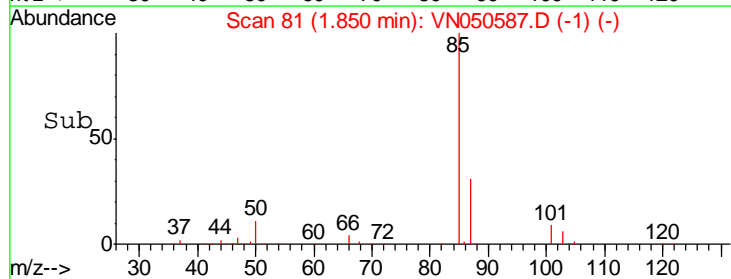
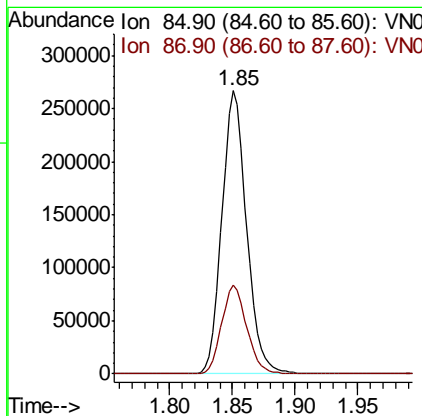
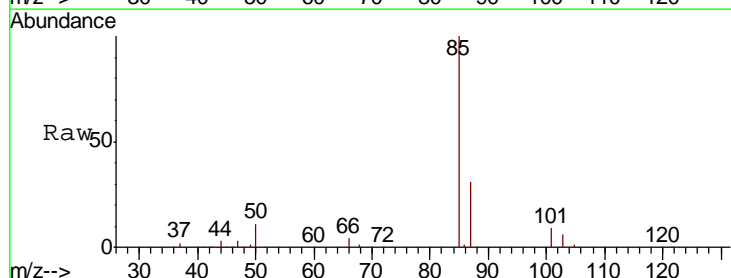
Manual Integrations
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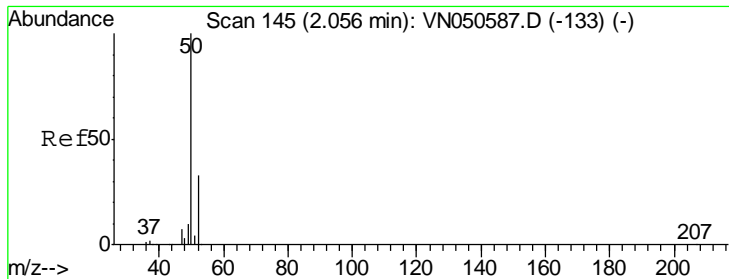
MMDadoda
 8/15/2018 3:21:11 PM



#2
 Dichlorodifluoromethane
 Concen: 48.97 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
85	100		
87	31.5	15.8	47.3





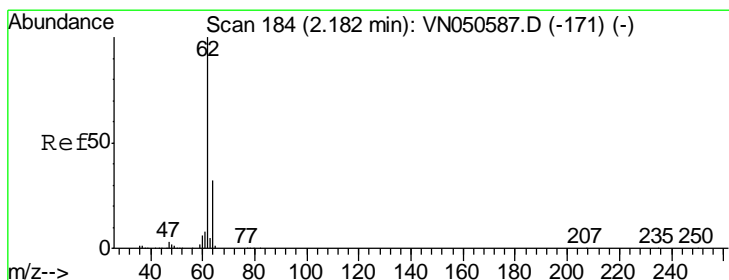
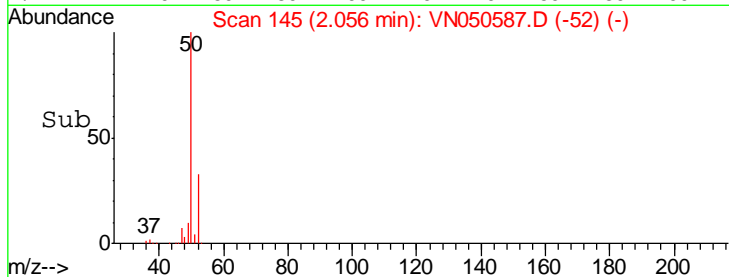
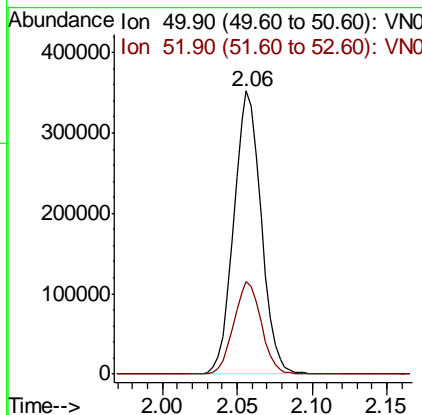
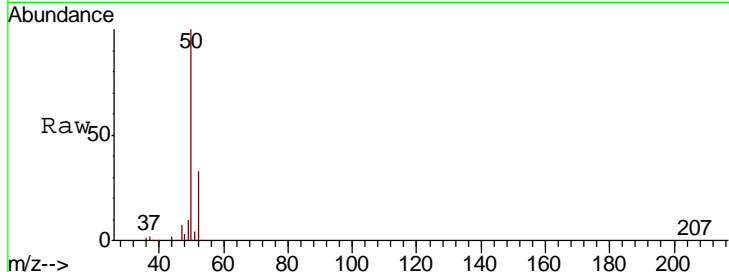
#3
 Chloromethane
 Concen: 45.29 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.5	26.0	39.0

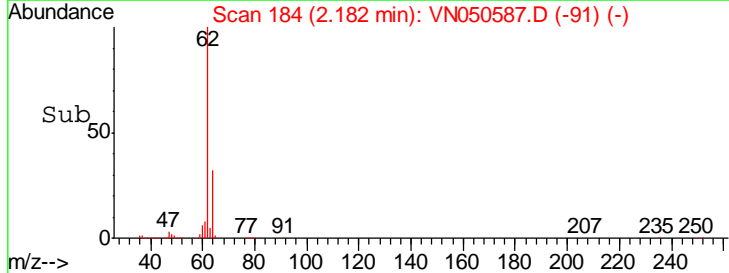
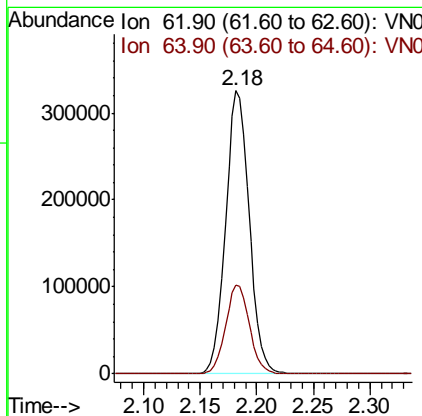
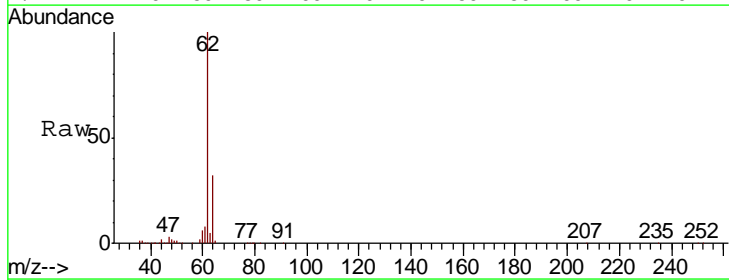
Manual Integrations
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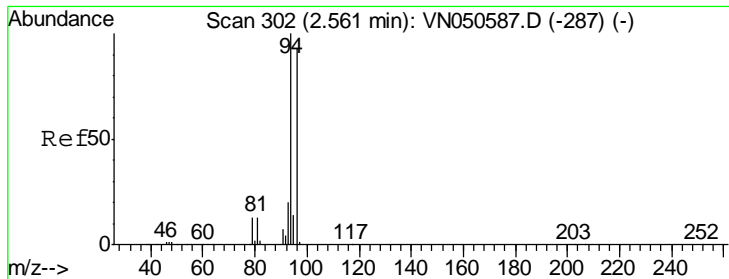
MMDadoda
 8/15/2018 3:21:11 PM



#4
 Vinyl Chloride
 Concen: 49.15 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.5	25.2	37.8



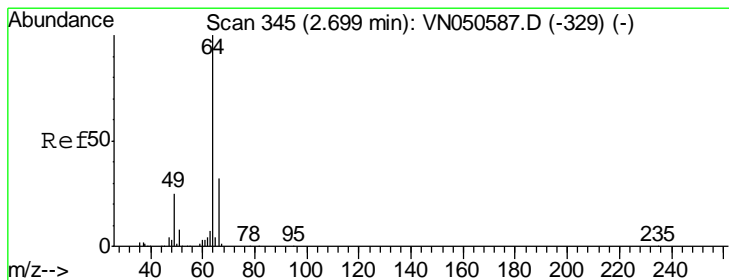
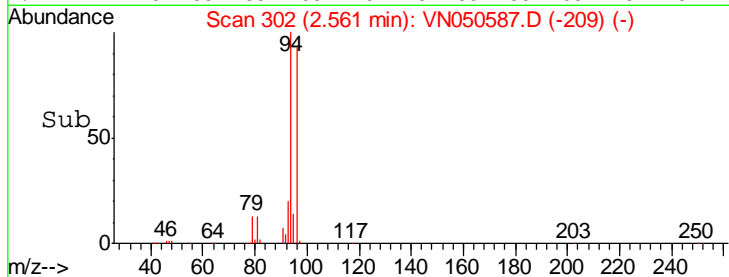
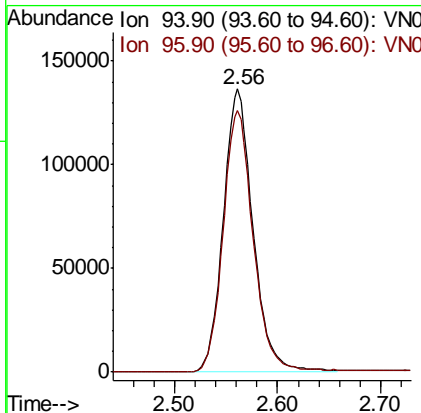
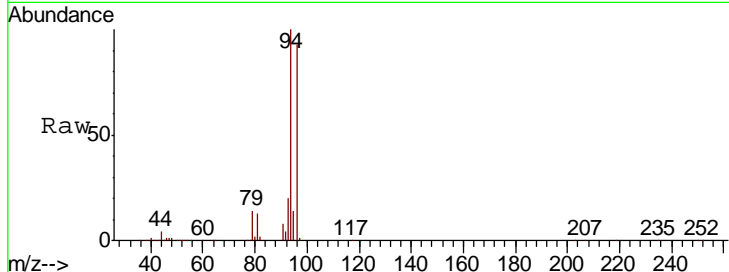


#5
 Bromomethane
 Concen: 46.44 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
94	100		
96	92.5	74.0	111.0

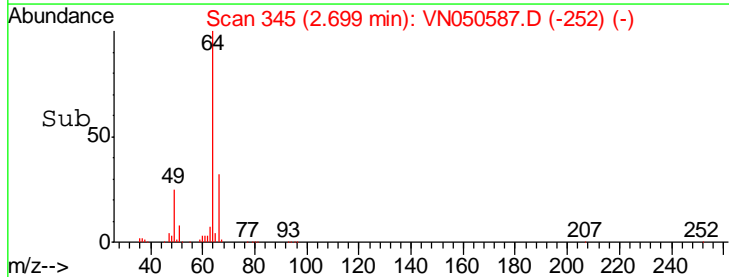
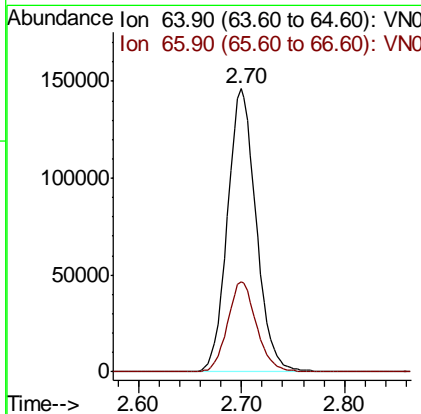
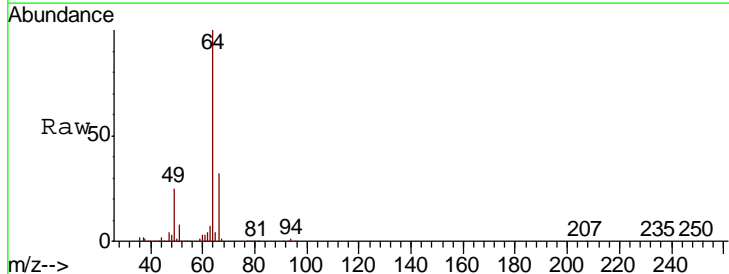
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

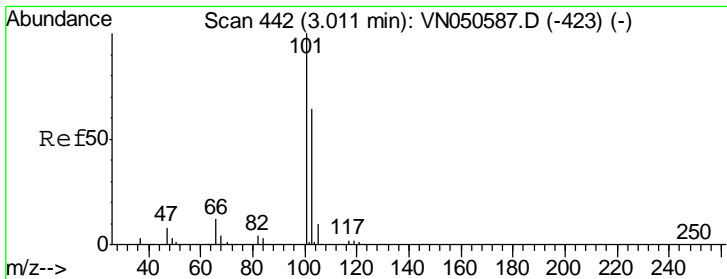
Manual Integrations
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 8/15/2018 3:21:11 PM



#6
 Chloroethane
 Concen: 47.67 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.1	25.7	38.5





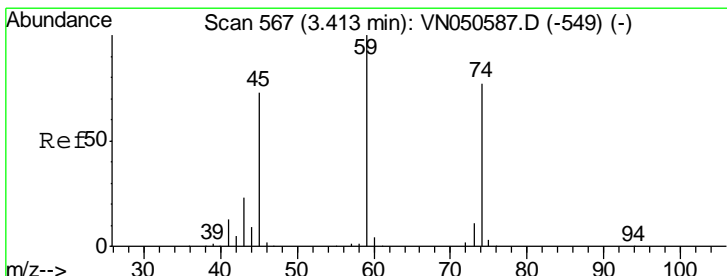
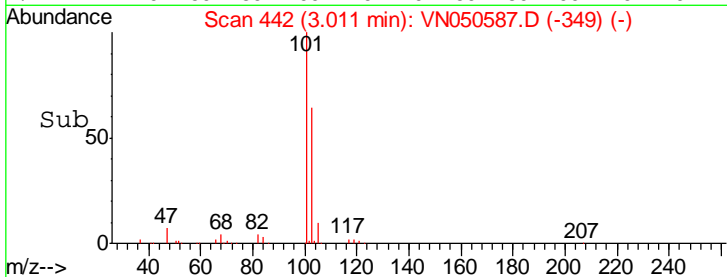
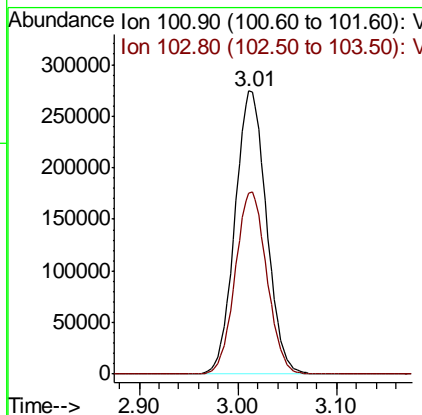
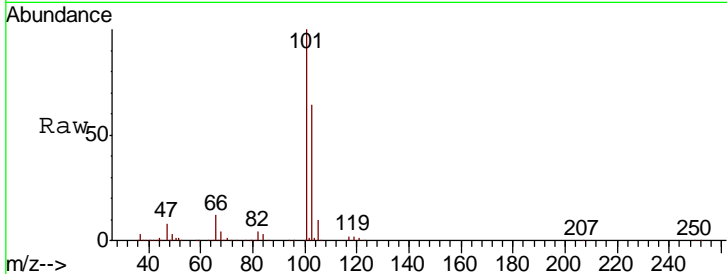
#7
 Trichlorofluoromethane
 Concen: 48.91 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
101	606886		
103	64.2	51.4	77.0

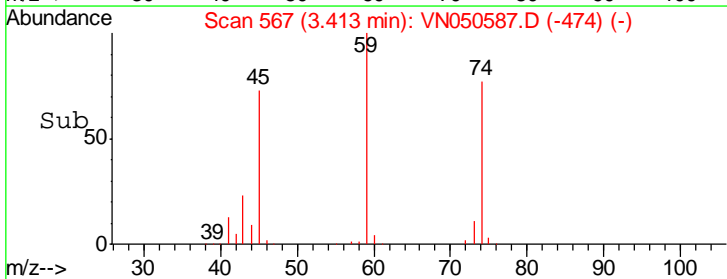
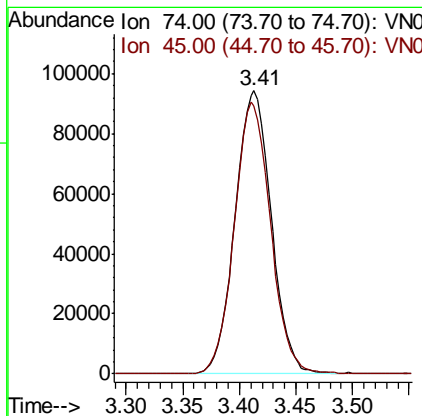
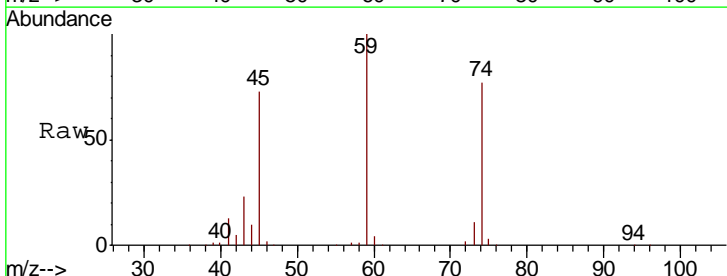
Manual Integrations
 APPROVED

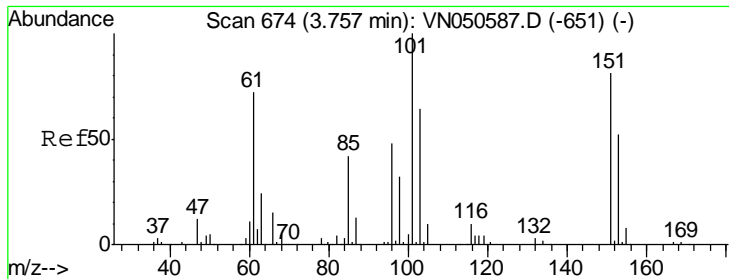
MMDadoda
 8/15/2018 3:21:11 PM



#8
 Diethyl Ether
 Concen: 46.64 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

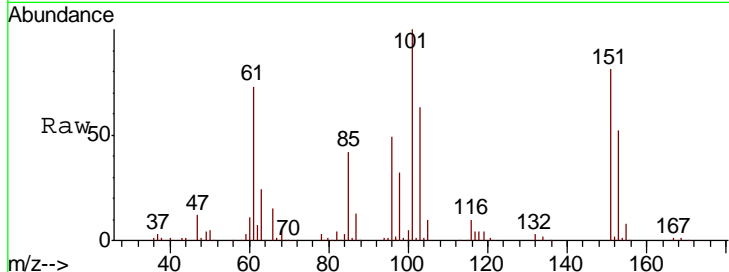
Tgt Ion	Resp	Lower	Upper
74	210349		
45	96.1	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.53 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

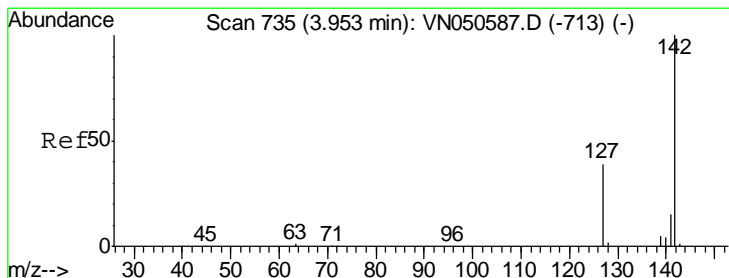
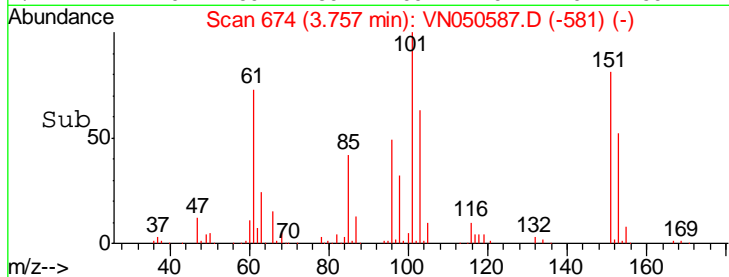
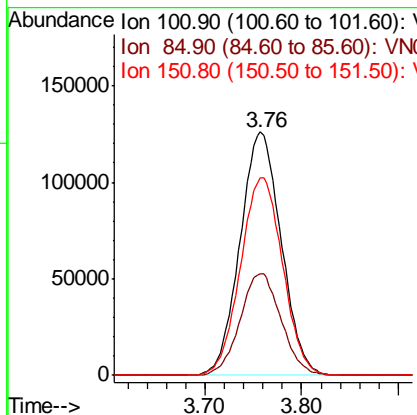


Tgt Ion: 101 Resp: 372470

Ion	Ratio	Lower	Upper
101	100		
85	41.7	33.4	50.0
151	83.3	66.6	100.0

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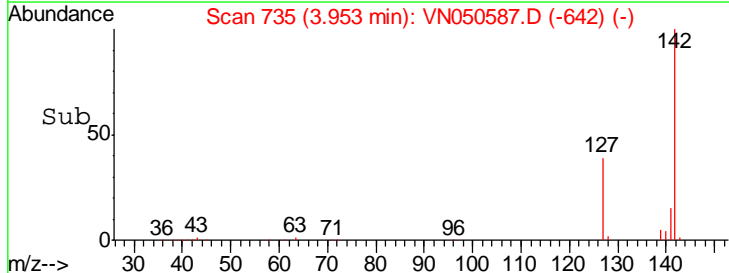
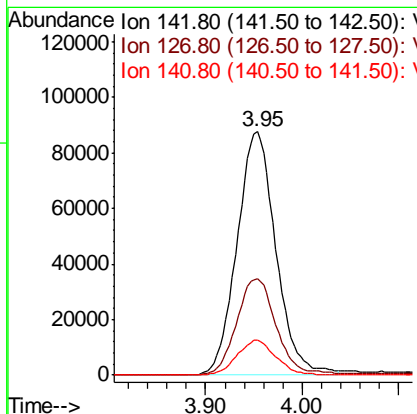
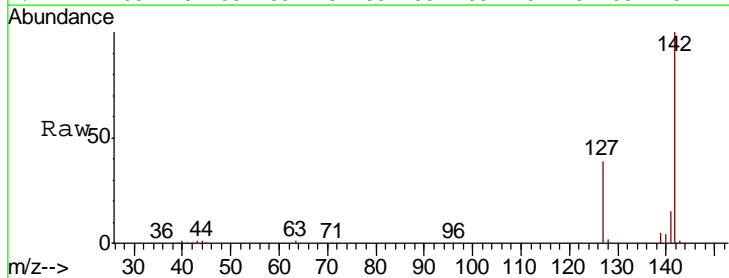
MMDadoda
 8/15/2018 3:21:11 PM

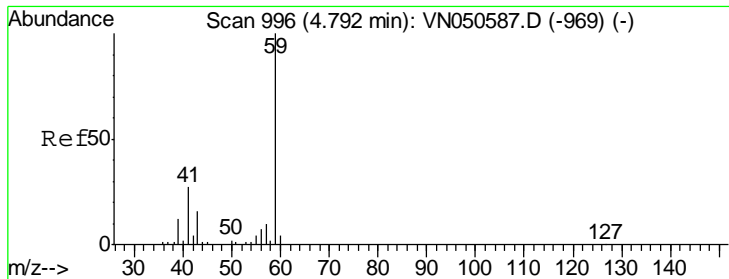


#10
 Methyl Iodide
 Concen: 65.94 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 142 Resp: 244454

Ion	Ratio	Lower	Upper
142	100		
127	40.8	32.6	49.0
141	14.4	11.5	17.3





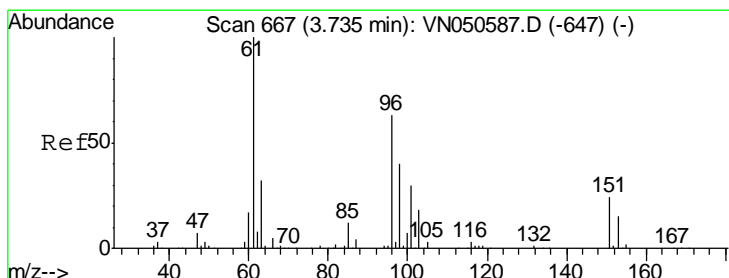
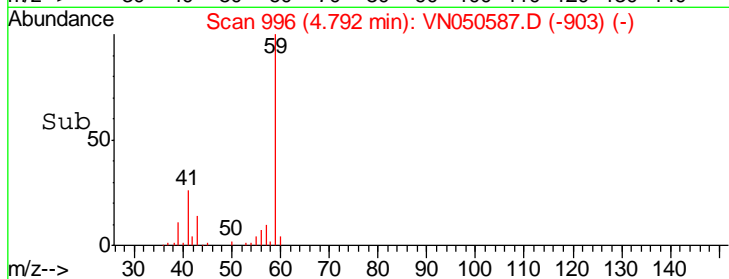
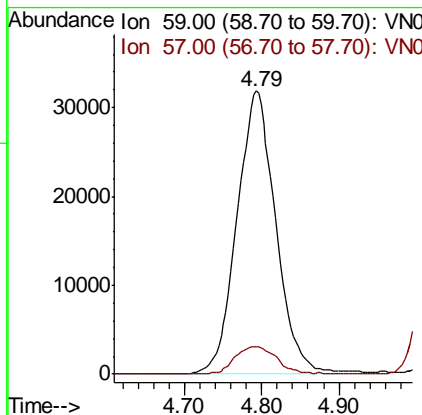
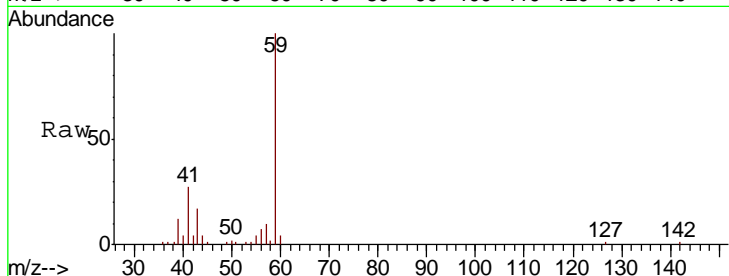
#11
 Tert butyl alcohol
 Concen: 166.65 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
59	110960		
57	10.5	8.4	12.6

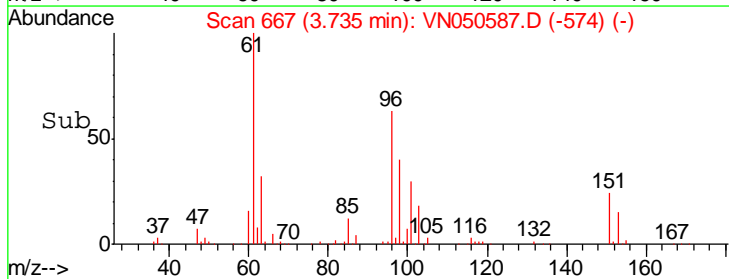
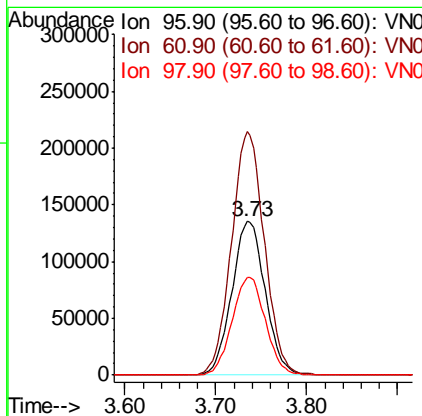
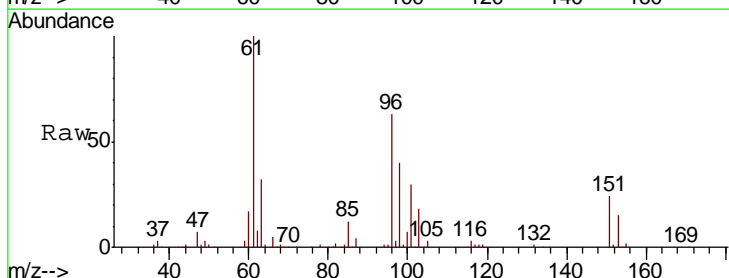
Manual Integrations
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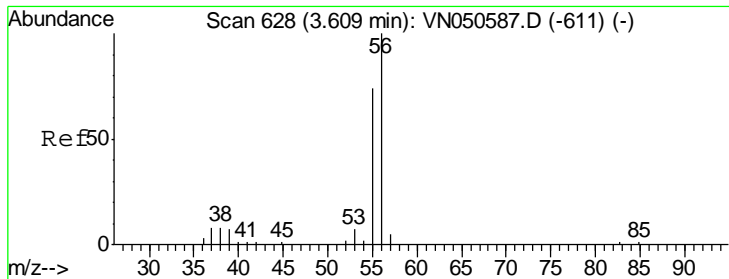
MMDadoda
 8/15/2018 3:21:11 PM



#12
 1,1-Dichloroethene
 Concen: 47.74 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
96	344717		
61	158.6	126.9	190.3
98	63.9	51.1	76.7





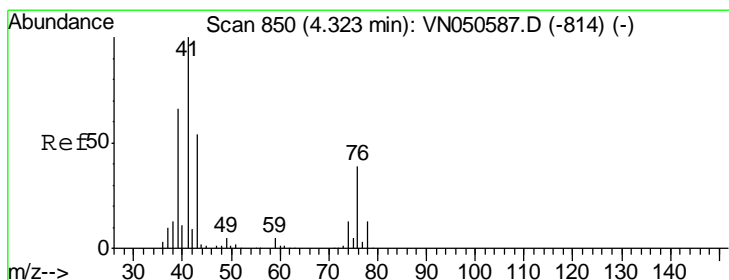
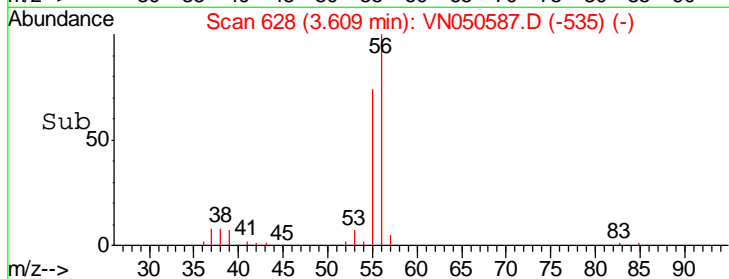
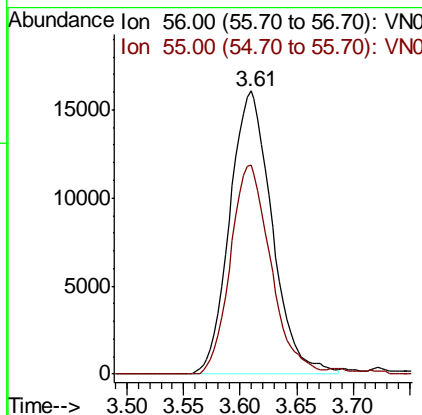
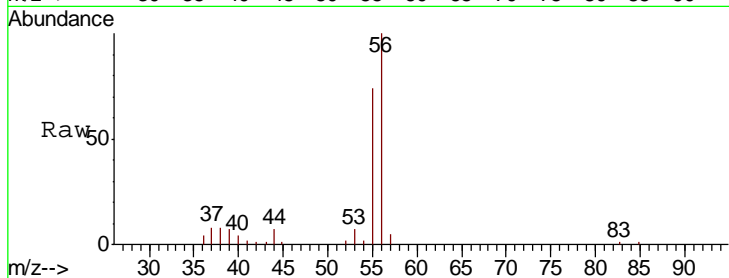
#13
 Acrolein
 Concen: 58.64 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	41776		
55	70.4	56.3	84.5

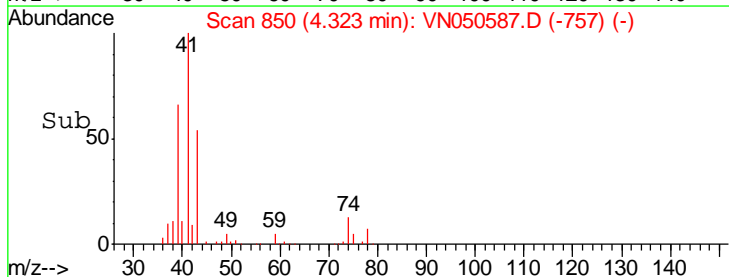
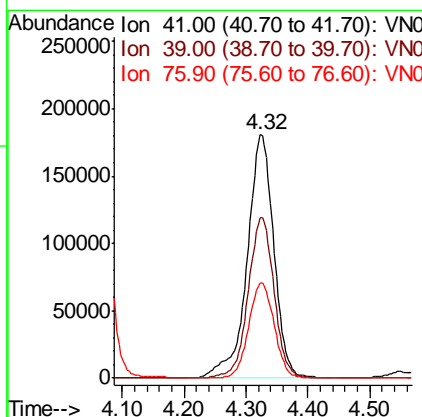
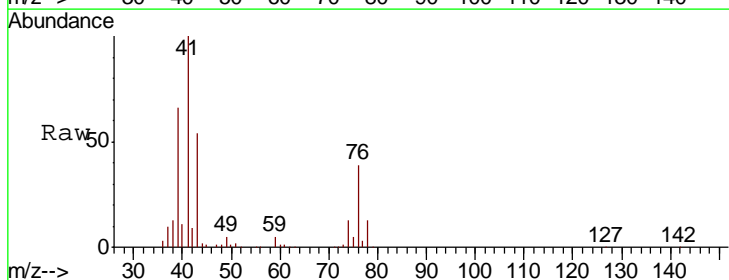
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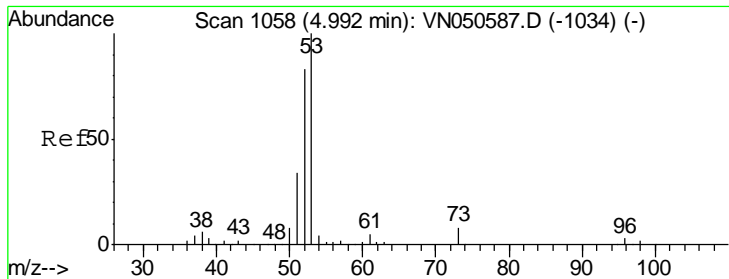
MMDadoda
 8/15/2018 3:21:11 PM



#14
 Allyl chloride
 Concen: 47.10 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
41	541732		
39	64.2	51.4	77.0
76	36.7	29.4	44.0





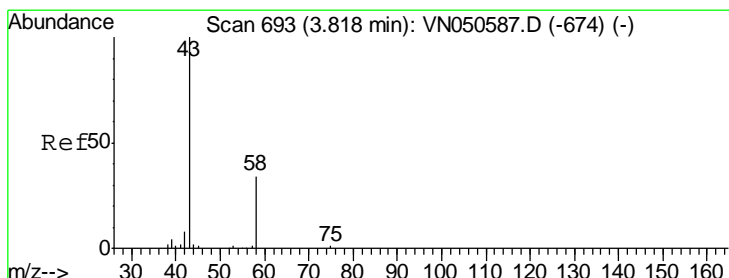
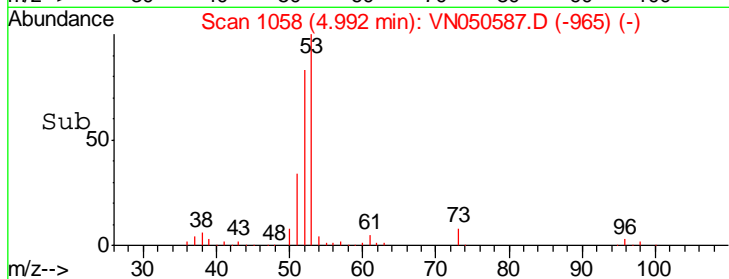
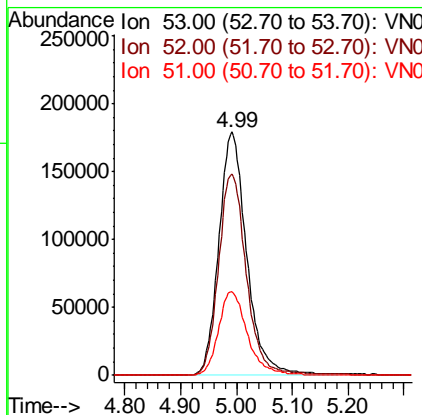
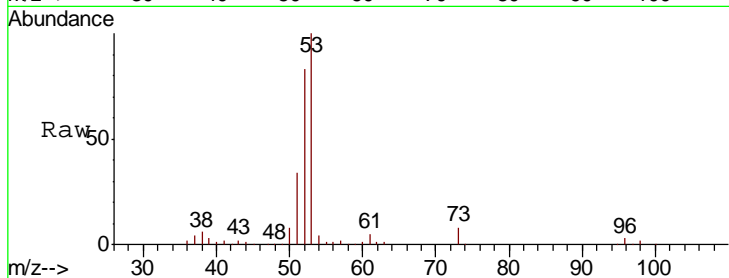
#15
 Acrylonitrile
 Concen: 213.01 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	35.8	28.6	43.0

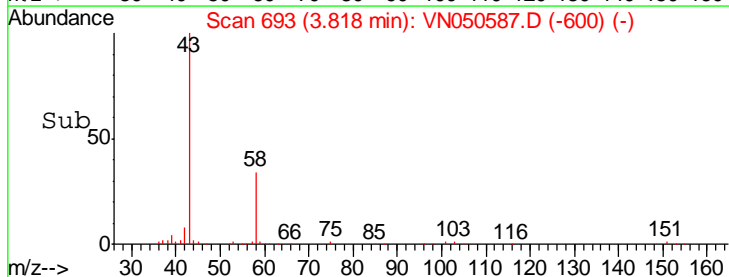
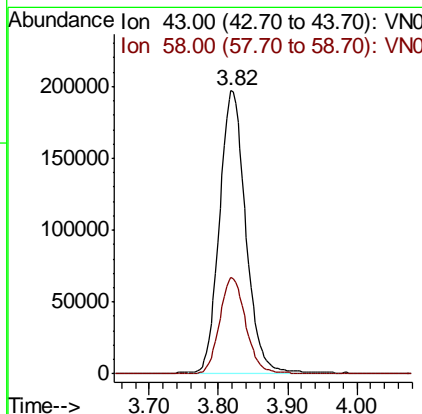
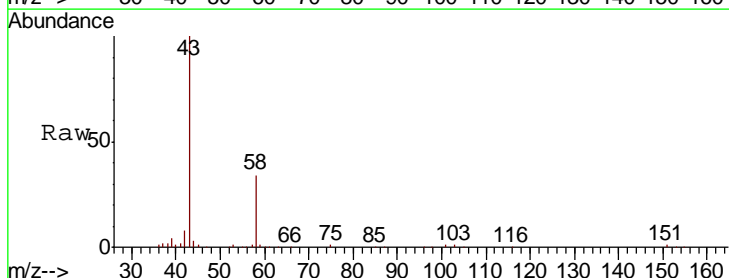
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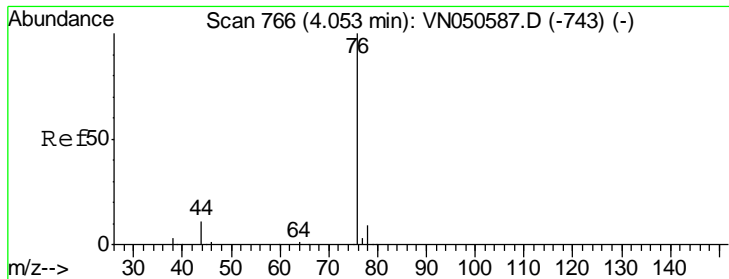
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 8/15/2018 3:21:11 PM



#16
 Acetone
 Concen: 184.45 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.9	27.1	40.7





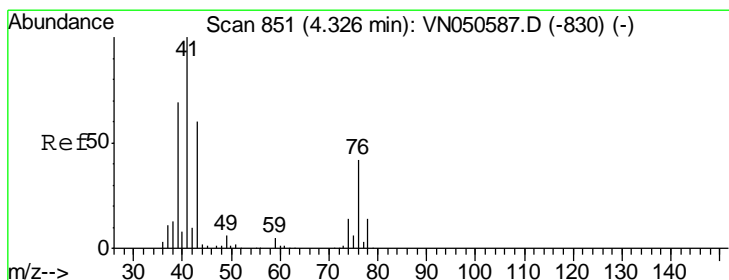
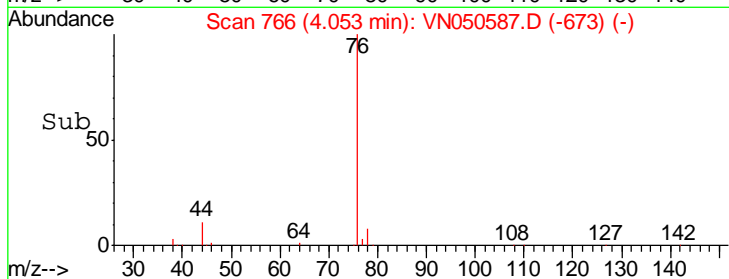
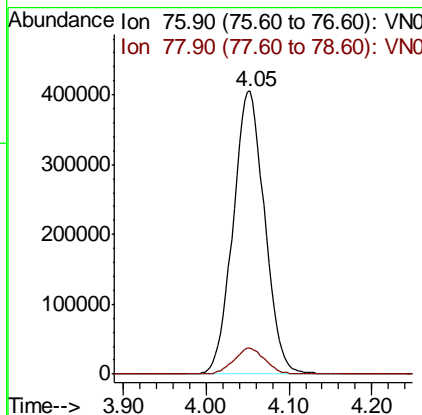
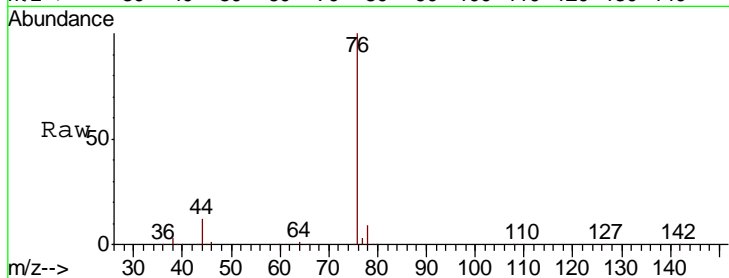
#17
 Carbon Disulfide
 Concen: 45.66 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	1072331		
76	100		
78	9.1	7.3	10.9

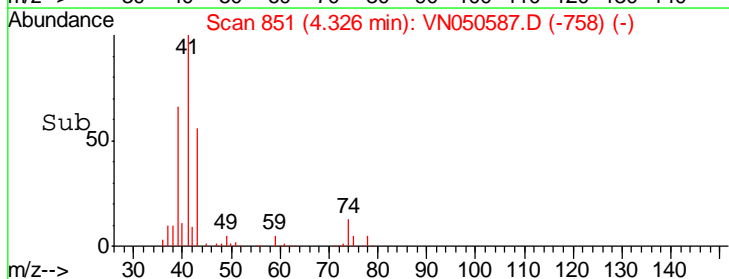
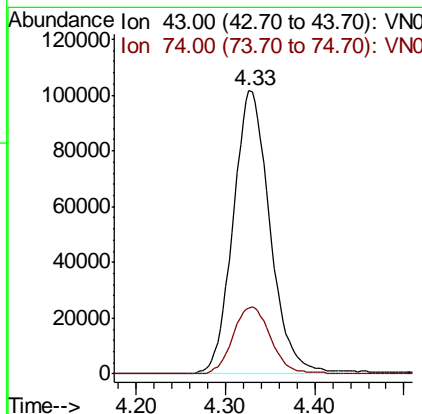
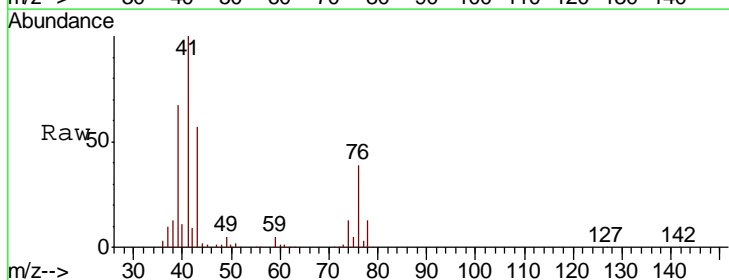
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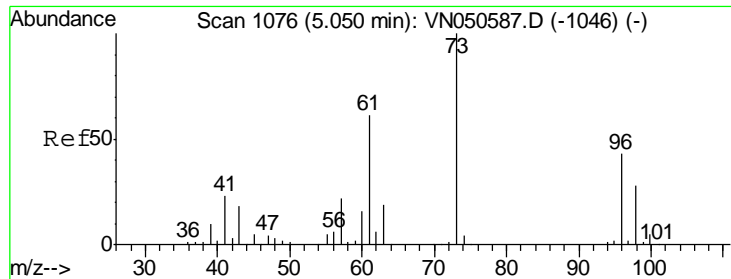
MMDadoda
 8/15/2018 3:21:11 PM



#18
 Methyl Acetate
 Concen: 36.24 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
43	288390		
43	100		
74	24.6	19.7	29.5





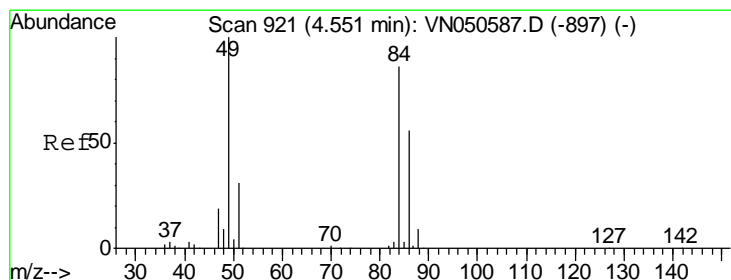
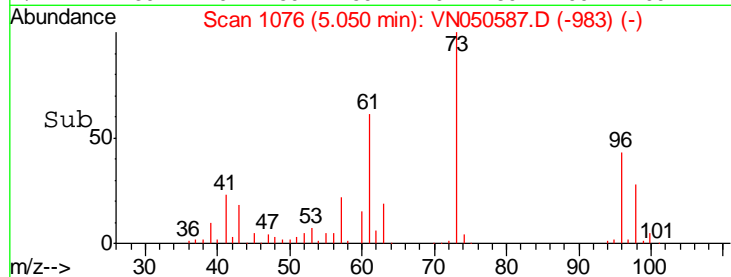
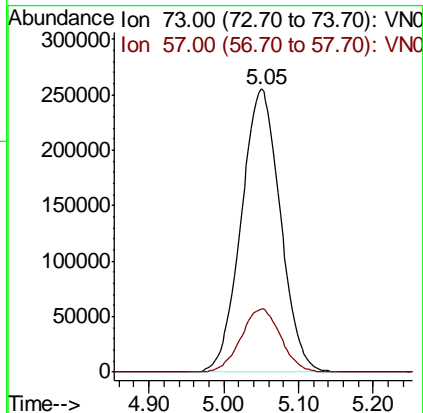
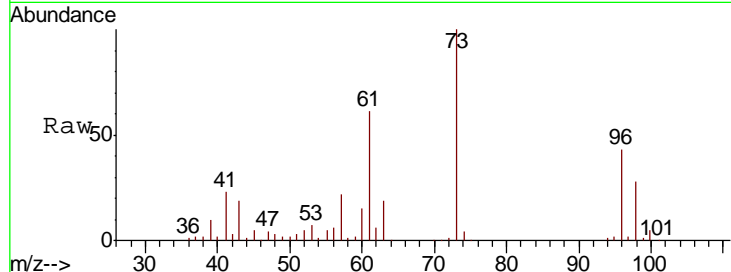
#19
 Methyl tert-butyl Ether
 Concen: 46.02 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.4	17.9	26.9

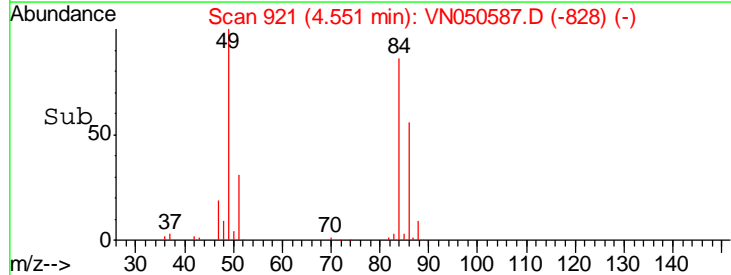
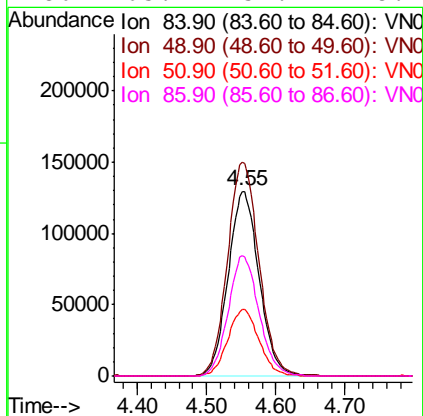
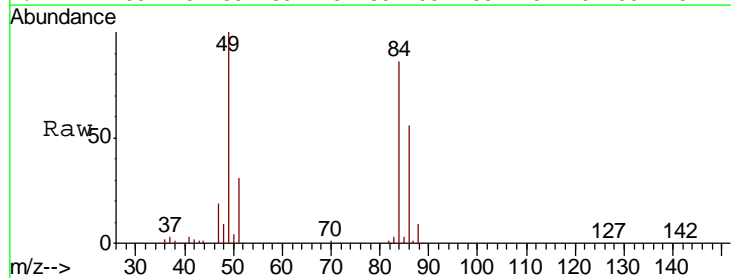
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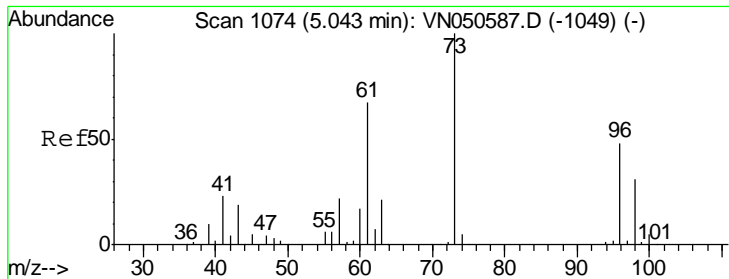
MMDadoda
 8/15/2018 3:21:11 PM



#20
 Methylene Chloride
 Concen: 40.67 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
84	100		
49	115.7	92.6	138.8
51	35.8	28.6	43.0
86	65.2	52.2	78.2





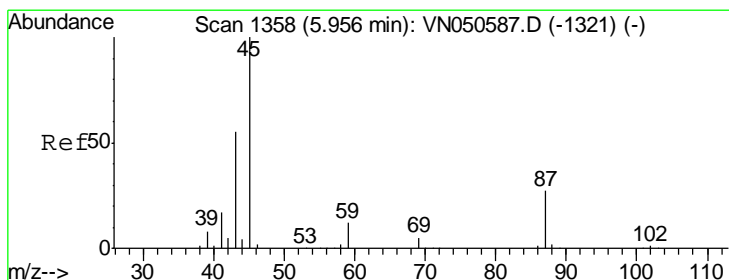
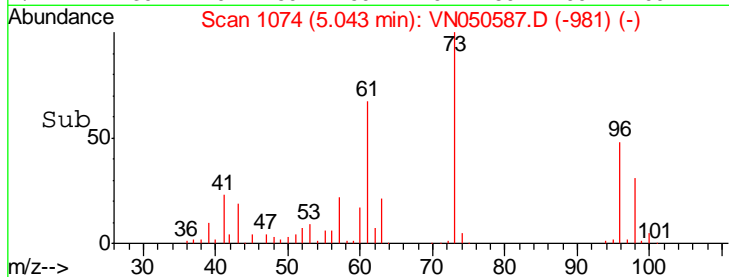
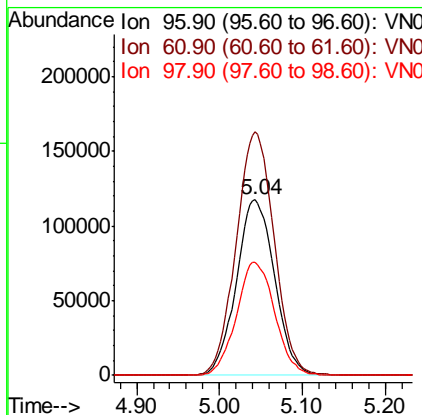
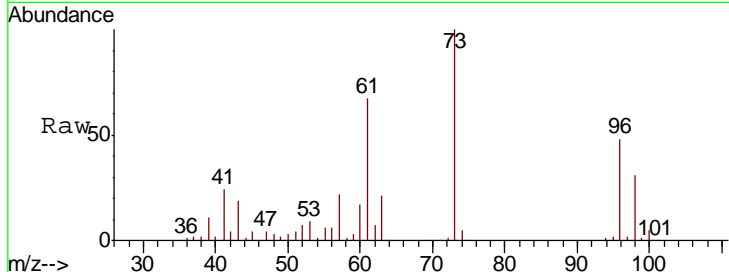
#21
 trans-1,2-Dichloroethene
 Concen: 48.30 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	377135		
96	100		
61	139.0	111.2	166.8
98	64.5	51.6	77.4

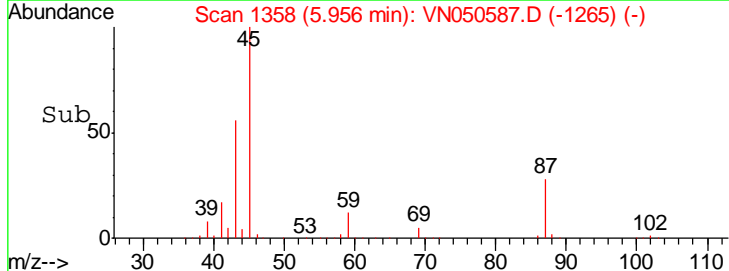
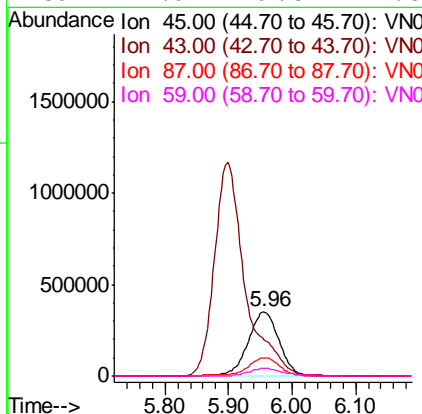
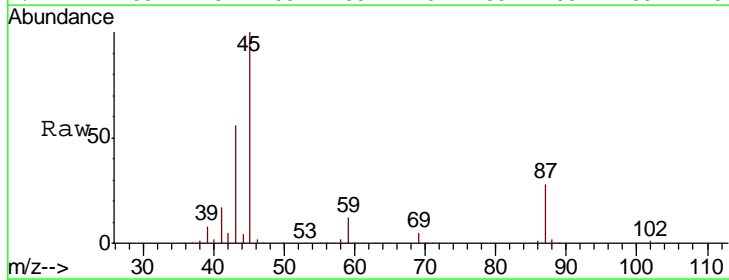
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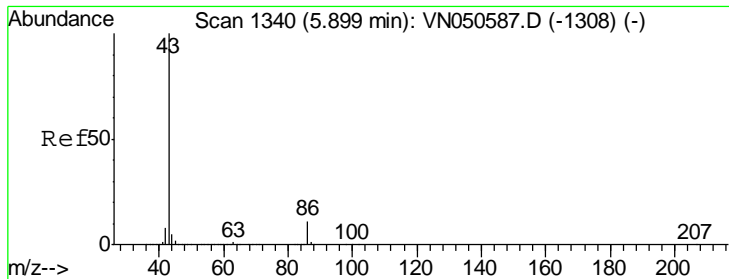
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#22
 Diisopropyl ether
 Concen: 50.30 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
45	1187127		
45	100		
43	55.6	44.5	66.7
87	27.7	22.2	33.2
59	11.9	9.5	14.3





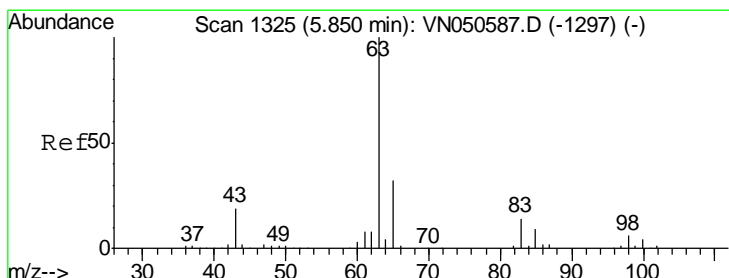
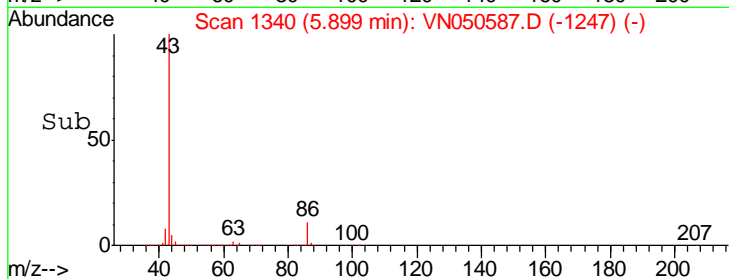
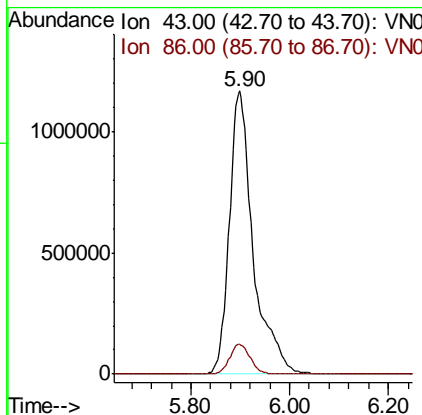
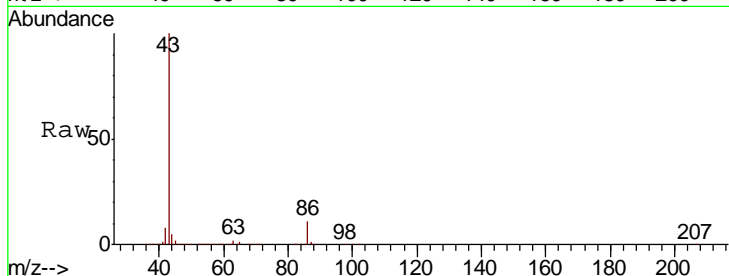
#23
 Vinyl Acetate
 Concen: 236.95 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.5	8.4	12.6

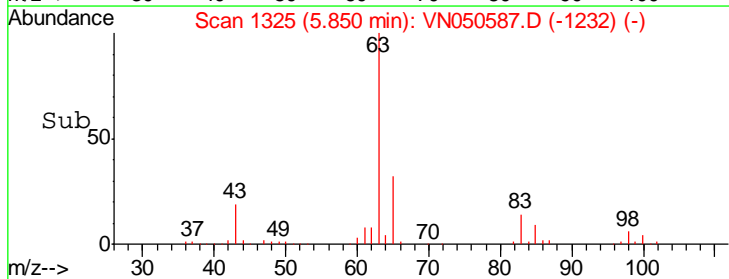
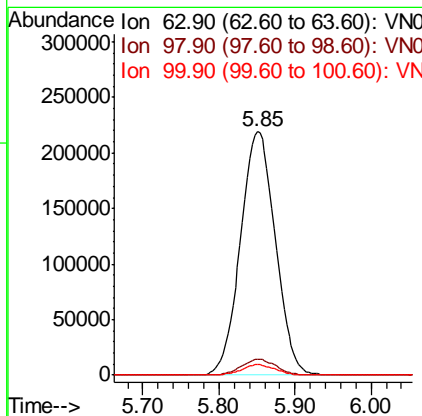
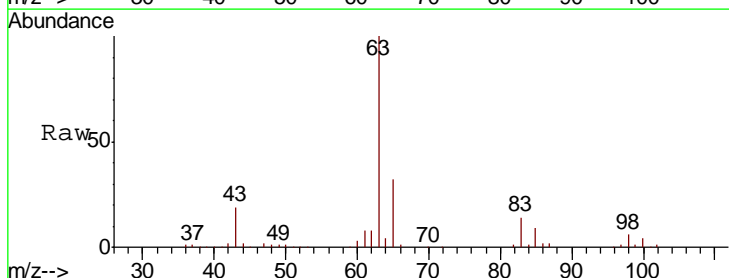
Manual Integrations
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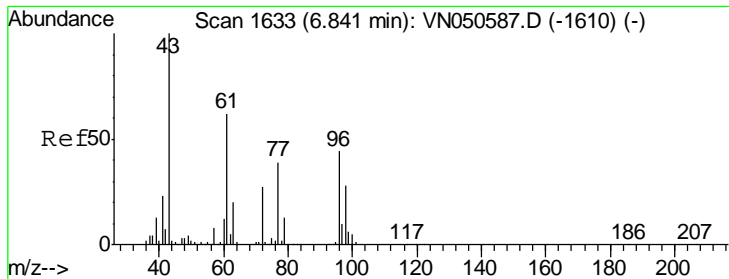
MMDadoda
 8/15/2018 3:21:11 PM



#24
 1,1-Dichloroethane
 Concen: 48.16 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	4.3	2.1	6.5





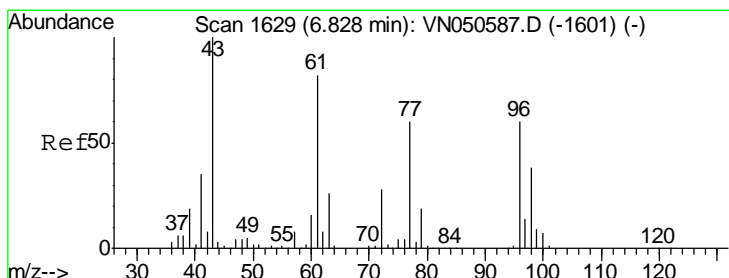
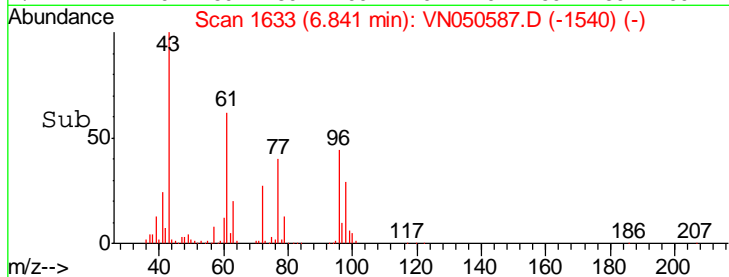
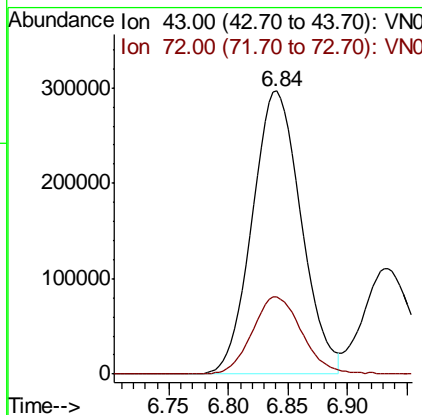
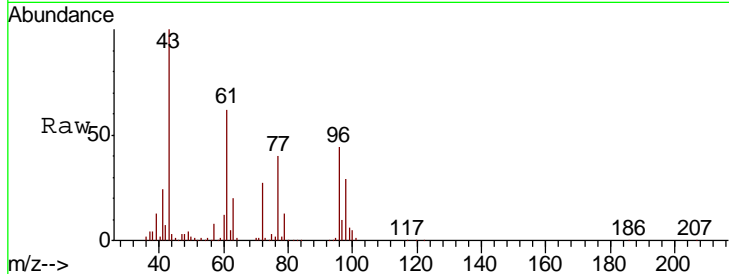
#25
 2-Butanone
 Concen: 198.41 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.2	21.8	32.6

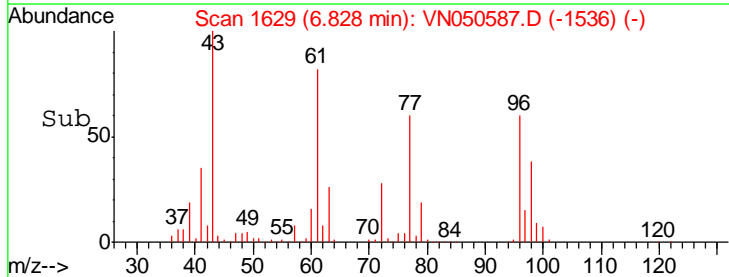
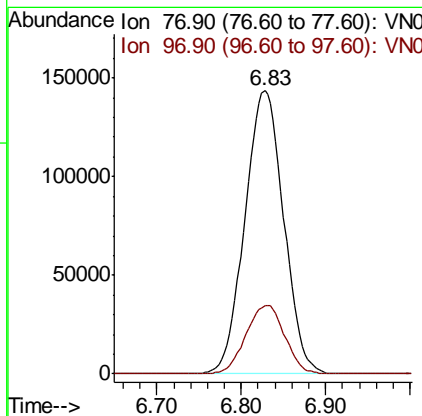
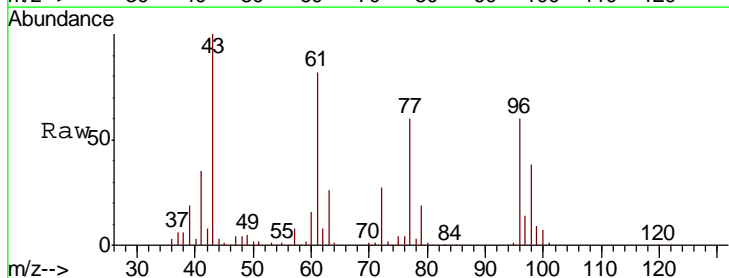
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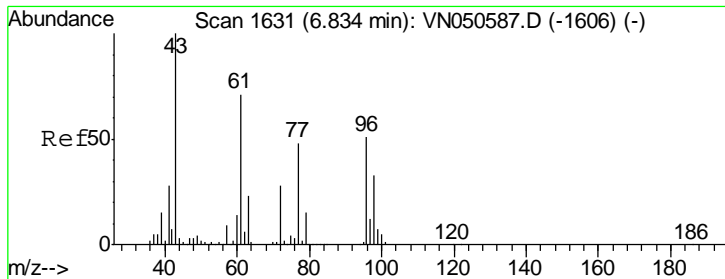
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 39.46 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.3	12.2	36.4





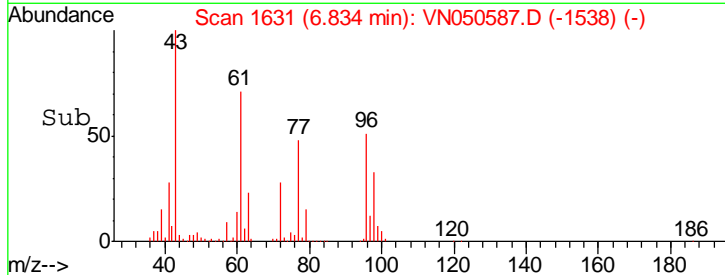
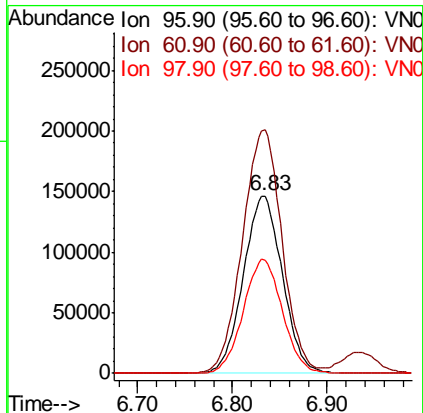
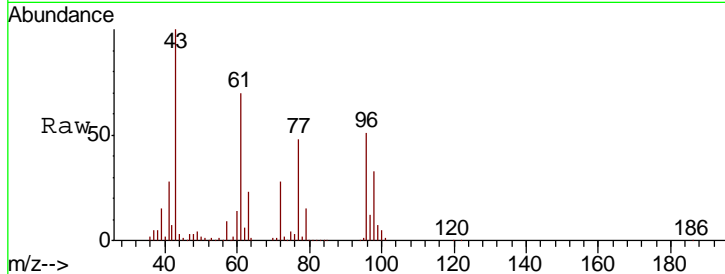
#27
 cis-1,2-Dichloroethene
 Concen: 48.62 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
96	420151		
96	100		
61	139.1	0.0	278.2
98	64.4	0.0	128.8

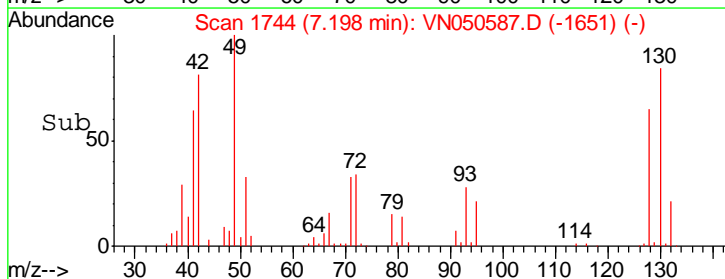
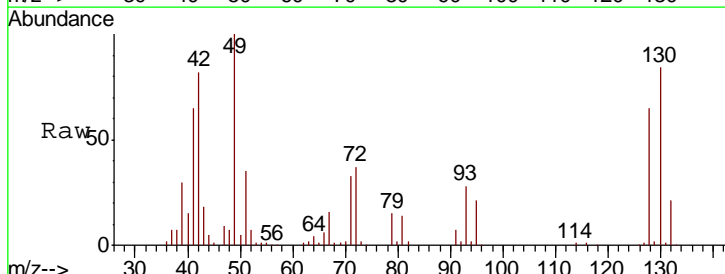
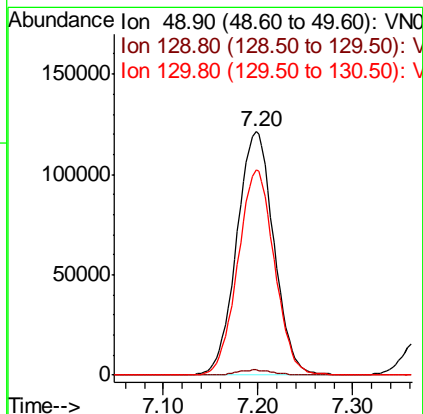
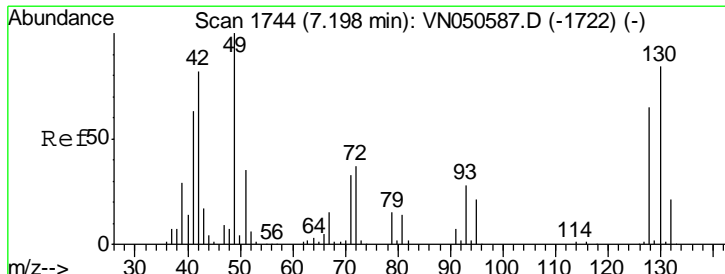
Manual Integrations
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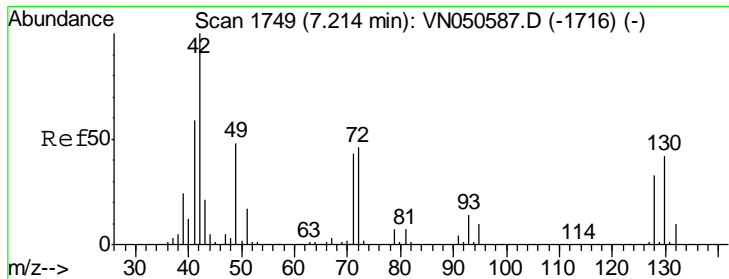
MMDadoda
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#28
 Bromochloromethane
 Concen: 49.28 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
49	329992		
49	100		
129	2.1	0.0	4.2
130	83.5	66.8	100.2





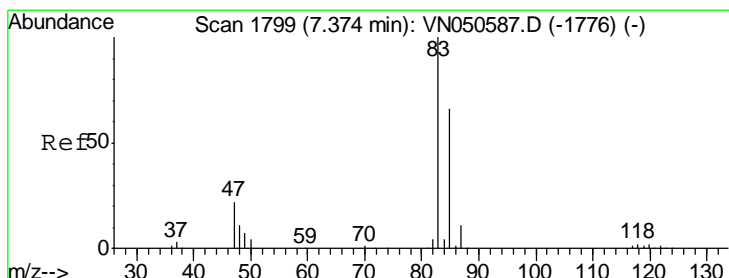
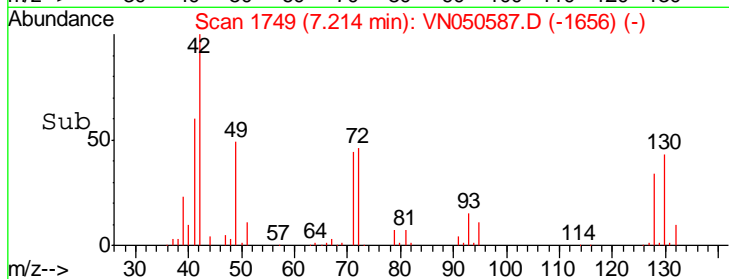
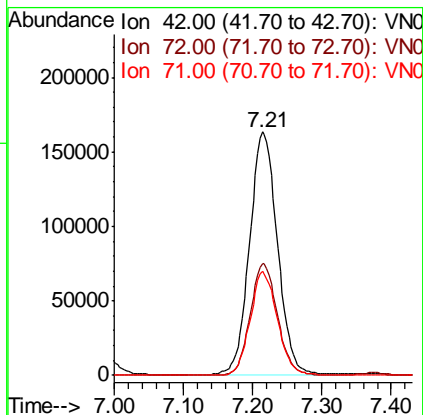
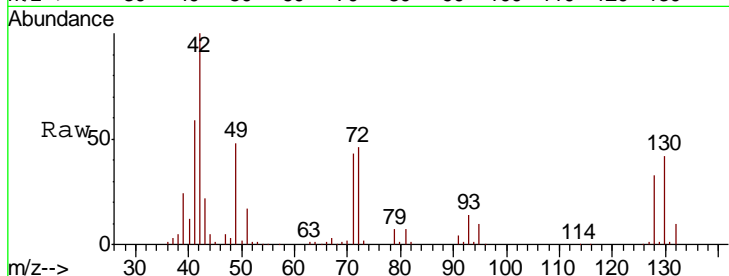
#29
 Tetrahydrofuran
 Concen: 200.08 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
42	100		
72	44.7	35.8	53.6
71	41.7	33.4	50.0

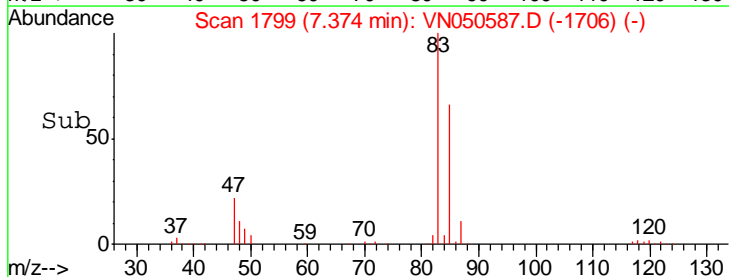
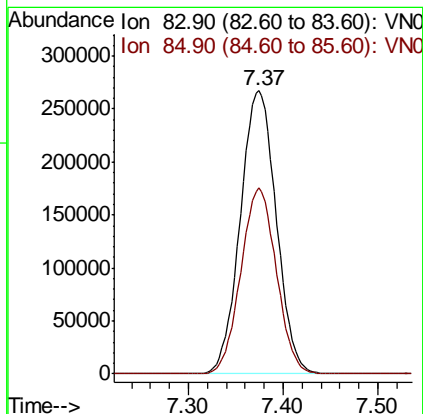
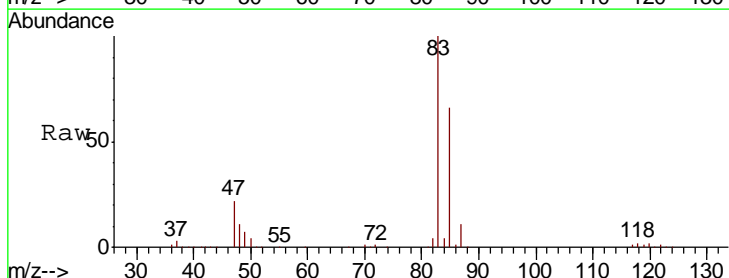
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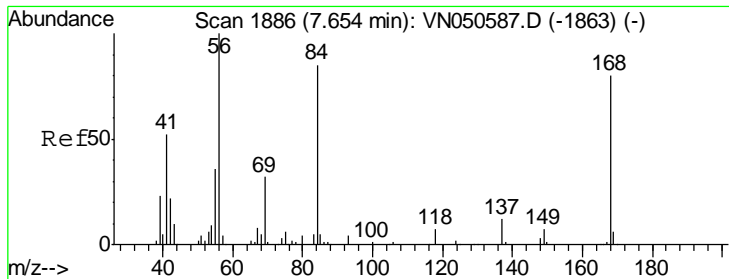
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#30
 Chloroform
 Concen: 48.53 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.6	52.5	78.7





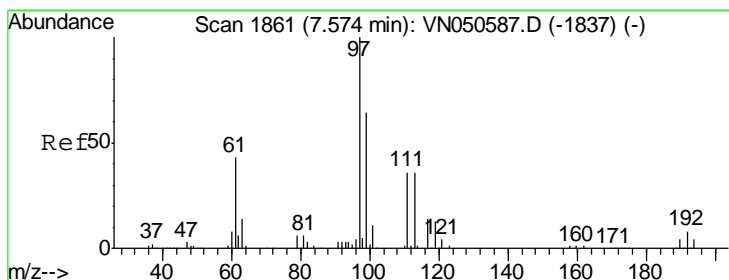
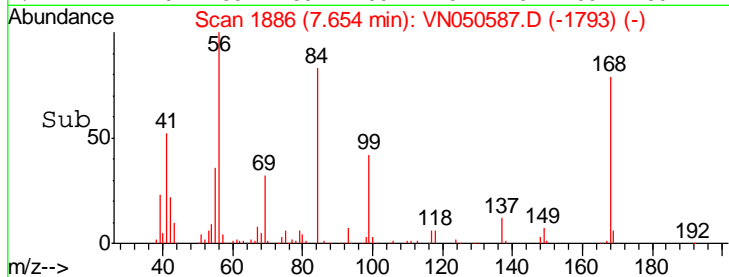
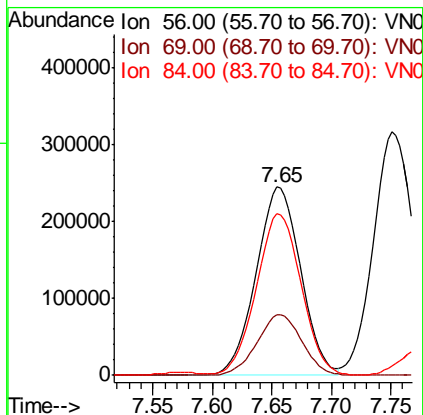
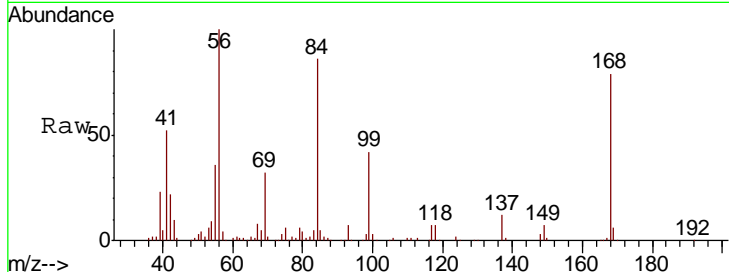
#31
 Cyclohexane
 Concen: 43.70 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	32.2	25.8	38.6
84	84.7	67.8	101.6

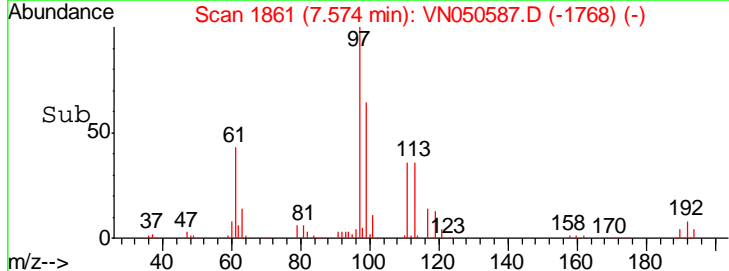
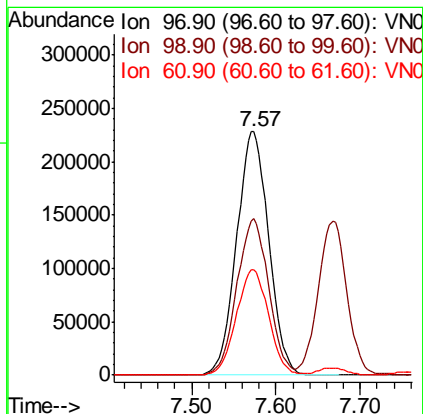
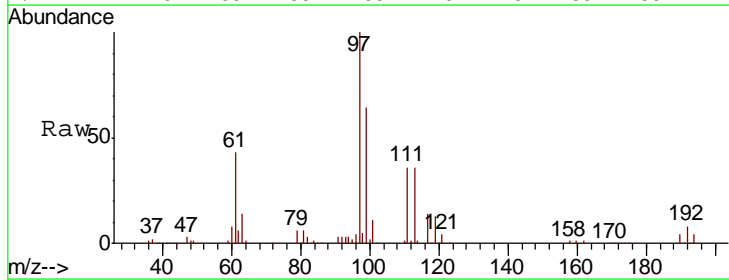
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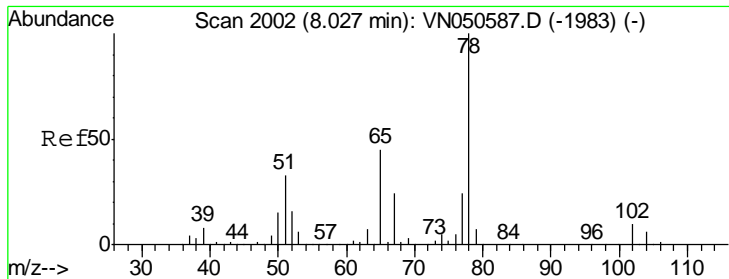
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#32
 1,1,1-Trichloroethane
 Concen: 48.56 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	43.5	34.8	52.2





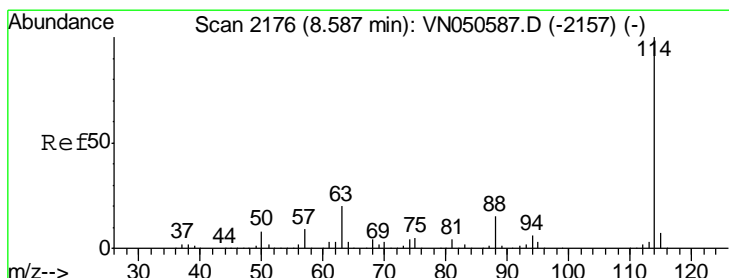
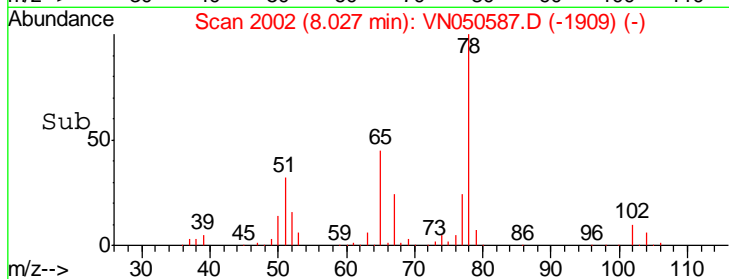
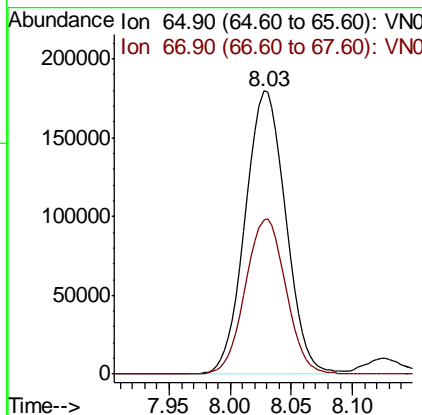
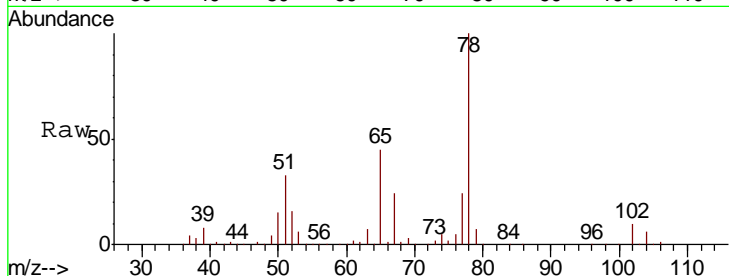
#33
 1,2-Dichloroethane-d4
 Concen: 46.73 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.9	0.0	109.8

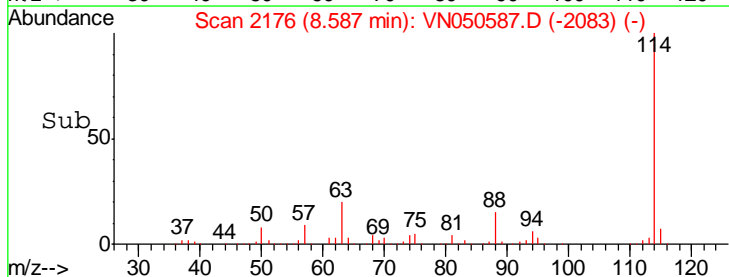
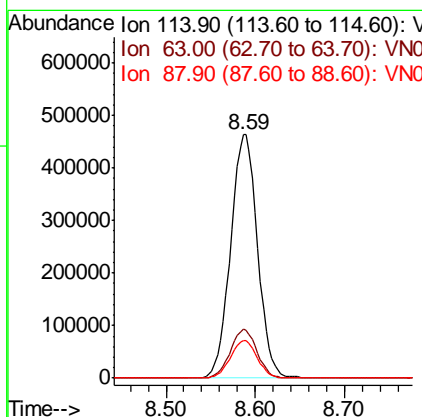
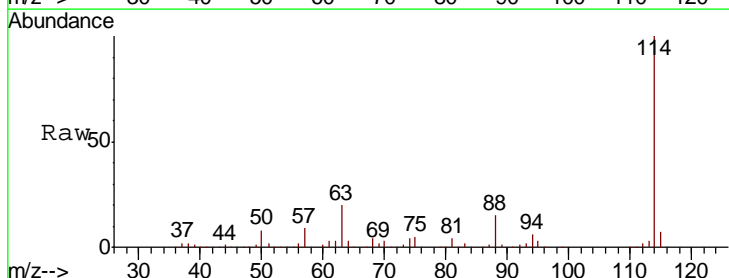
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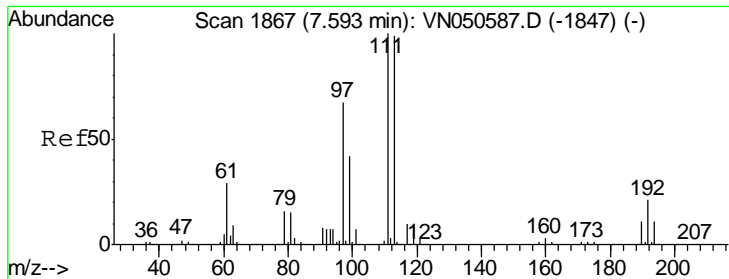
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	15.4	0.0	30.8





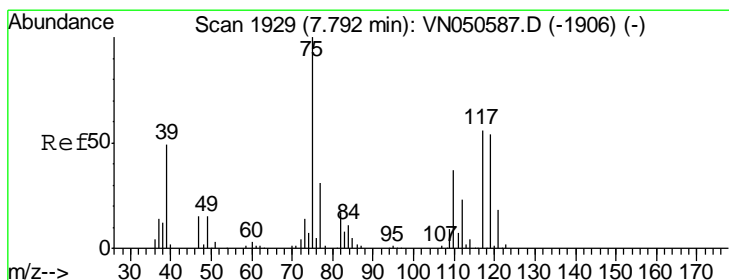
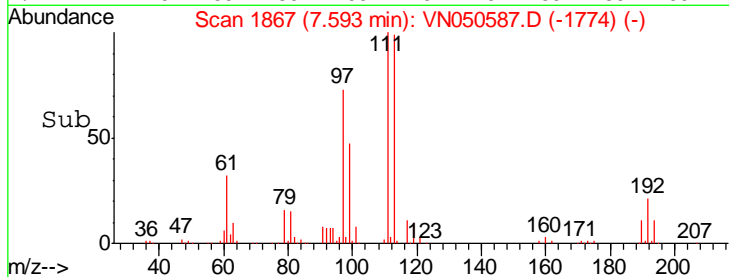
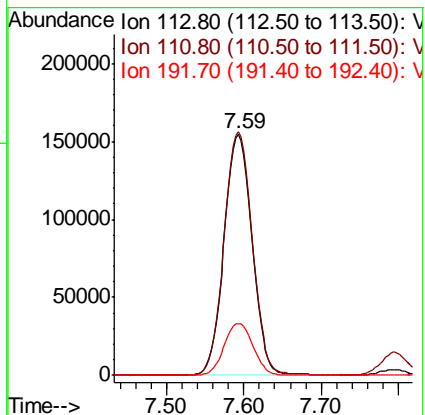
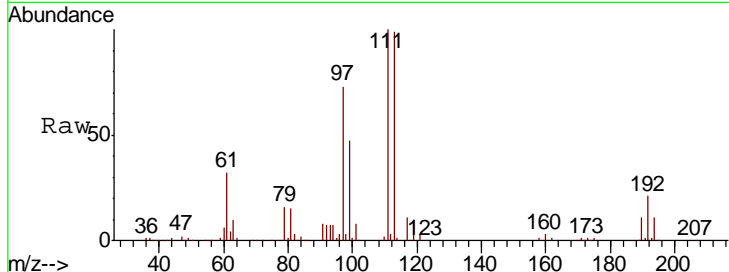
#35
 Dibromofluoromethane
 Concen: 50.18 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
113	100		
111	101.3	81.0	121.6
192	22.0	17.6	26.4

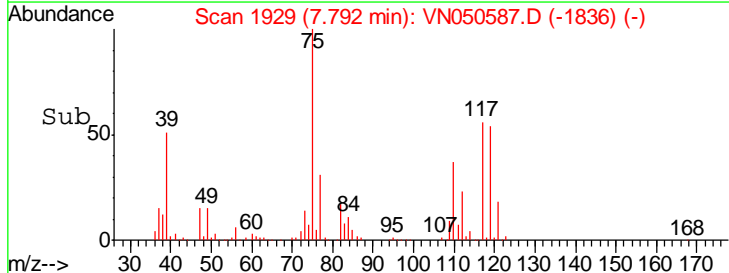
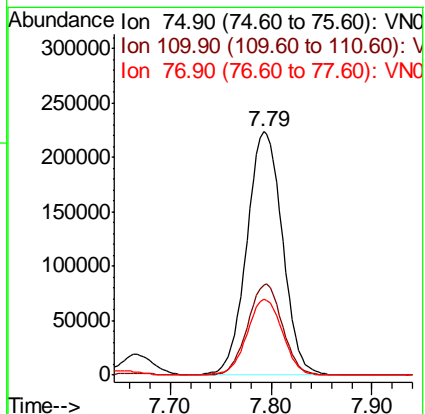
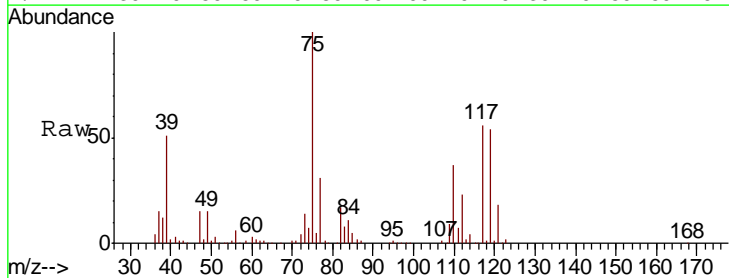
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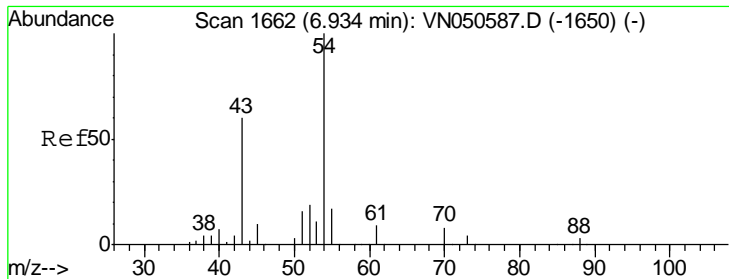
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#36
 1,1-Dichloropropene
 Concen: 51.38 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
75	100		
110	36.6	18.3	54.9
77	31.2	25.0	37.4





#37
 Ethyl Acetate
 Concen: 42.72 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

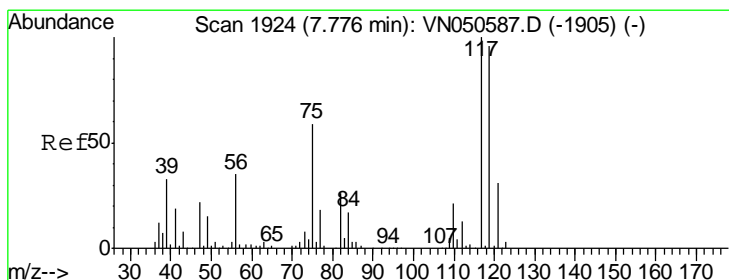
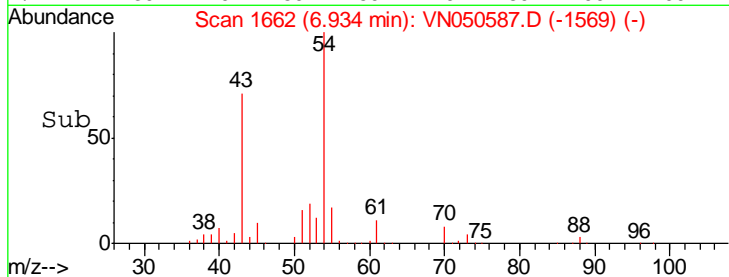
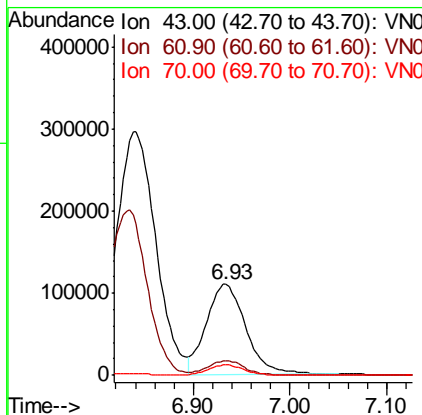
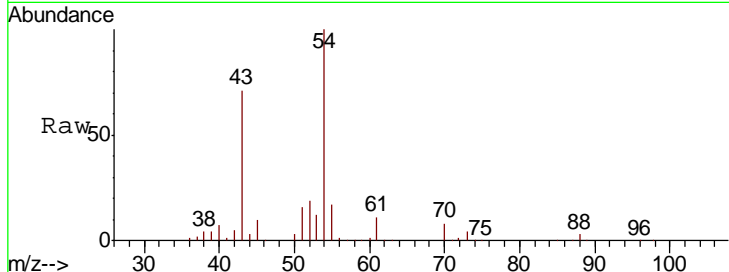
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion: 43 Resp: 313200

Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	10.6	8.5	12.7

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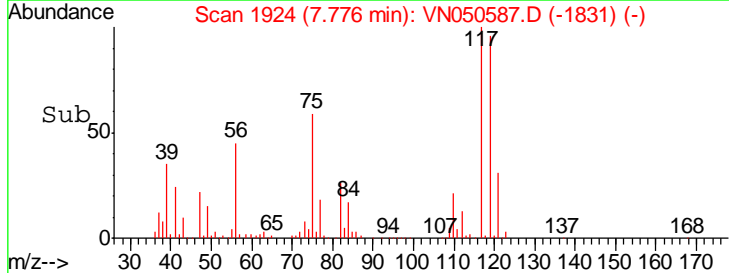
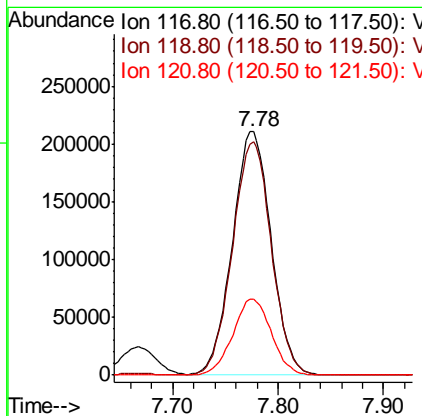
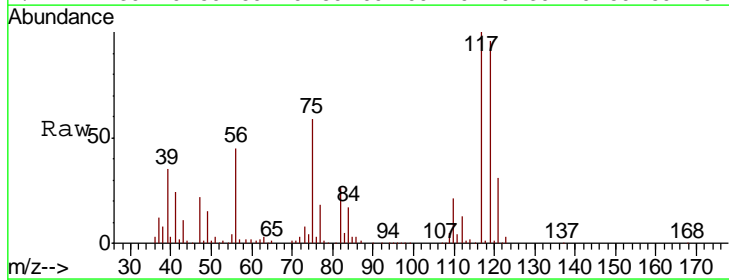
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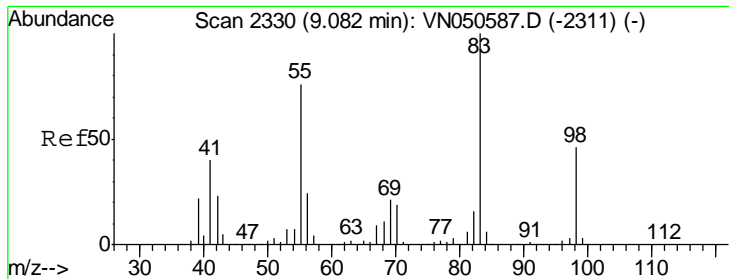


#38
 Carbon Tetrachloride
 Concen: 48.59 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 117 Resp: 536933

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	31.3	25.0	37.6





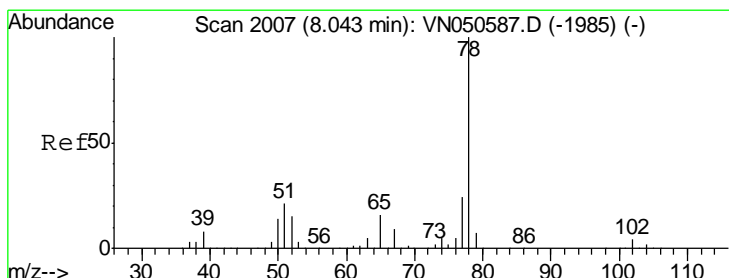
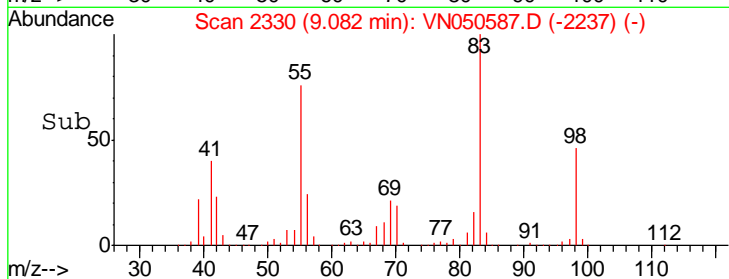
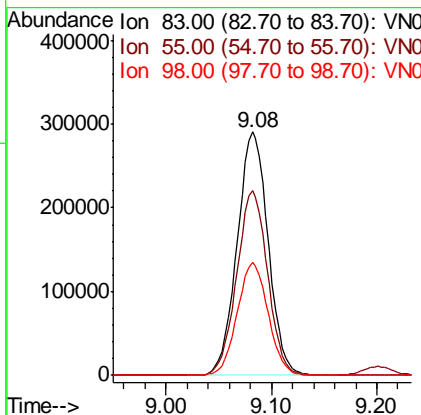
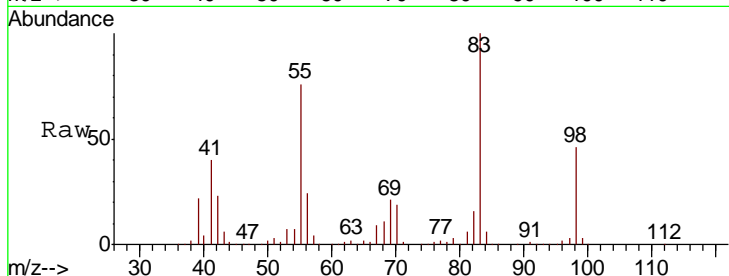
#39
 Methylcyclohexane
 Concen: 51.26 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	100		
55	75.8	60.6	91.0
98	46.2	37.0	55.4

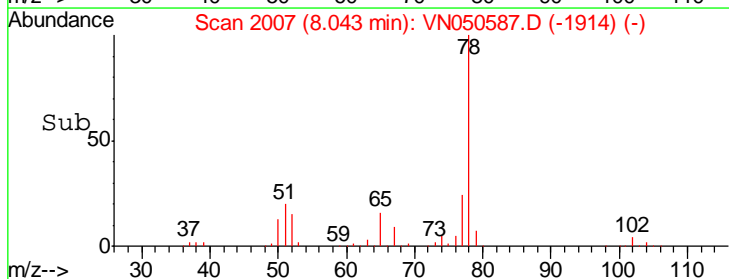
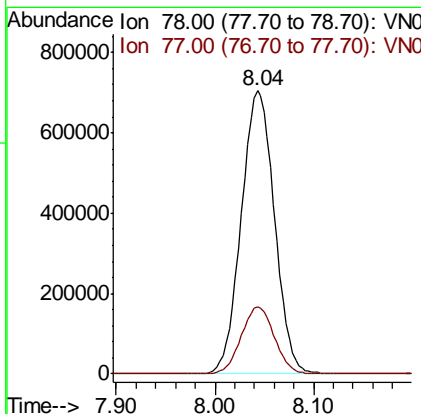
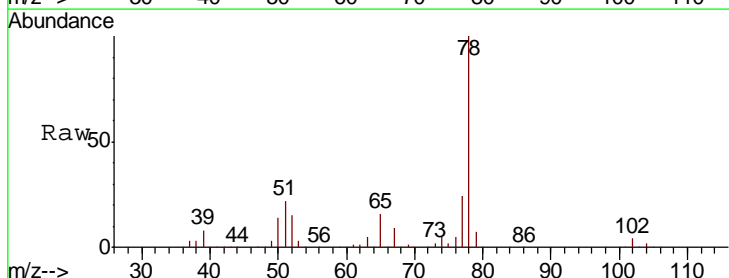
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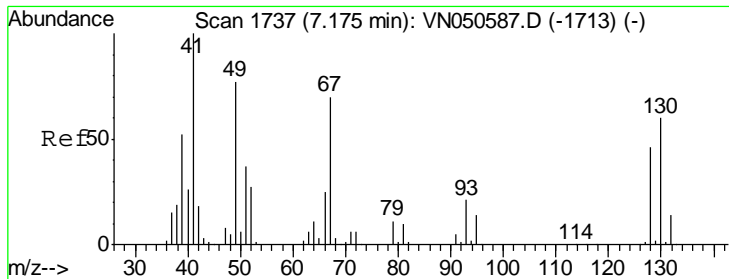
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#40
 Benzene
 Concen: 50.29 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41
 Methacrylonitrile
 Concen: 44.07 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

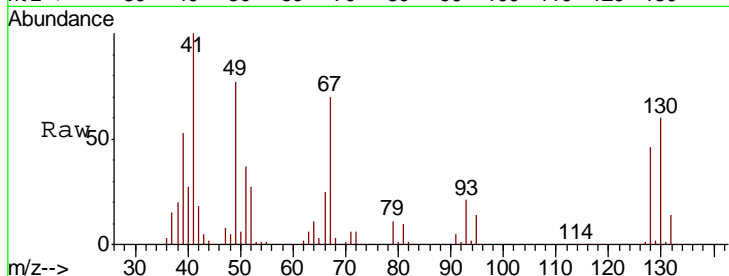
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion: 41 Resp: 174455

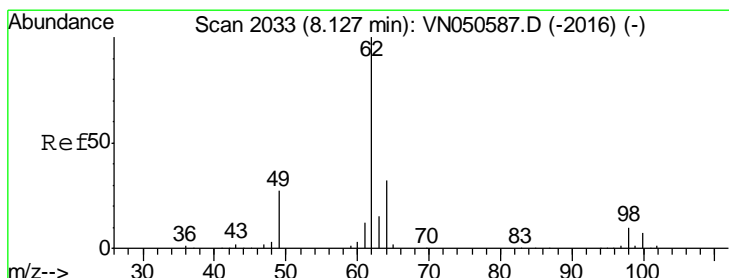
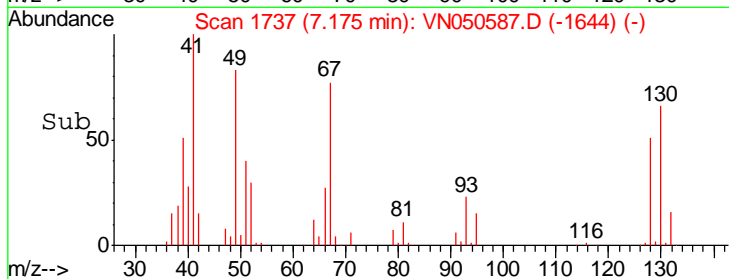
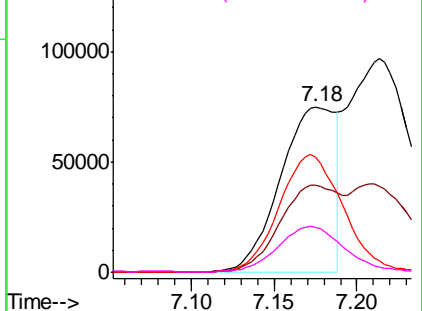
Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.6	66.8
67	83.4	66.7	100.1
52	33.1	26.5	39.7

Manual Integrations
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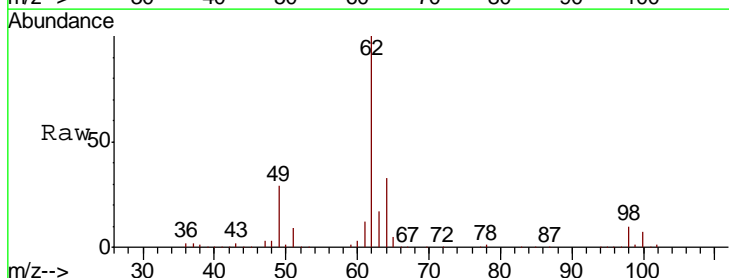
Abundance Ion 41.00 (40.70 to 41.70): VNC
 150000 Ion 39.00 (38.70 to 39.70): VNC
 Ion 67.00 (66.70 to 67.70): VNC
 Ion 52.00 (51.70 to 52.70): VNC



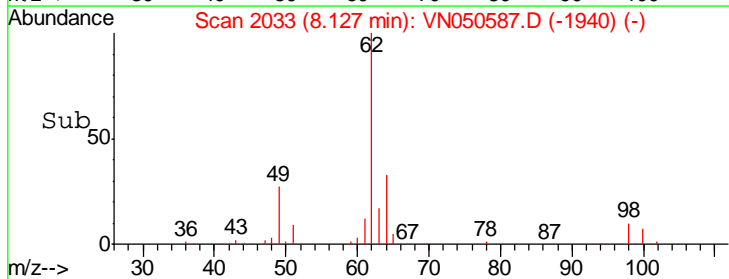
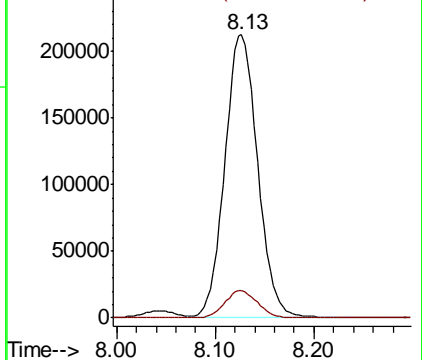
#42
 1,2-Dichloroethane
 Concen: 47.90 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

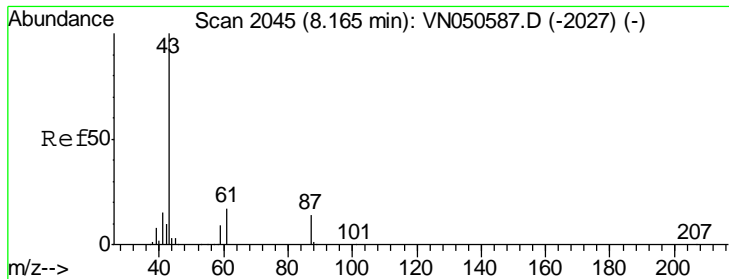
Tgt Ion: 62 Resp: 491363

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
 250000 Ion 97.90 (97.60 to 98.60): VNC





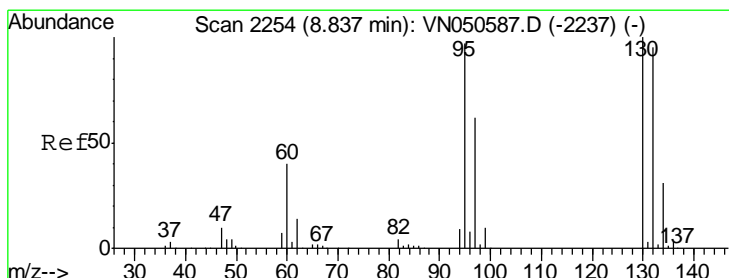
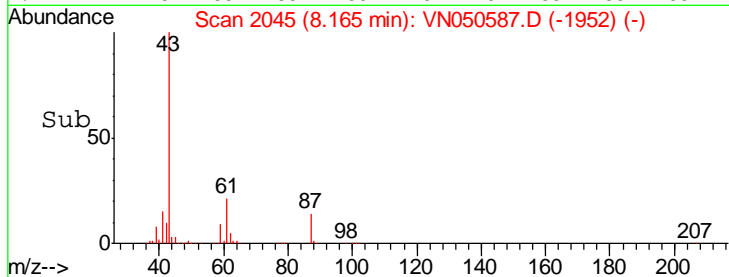
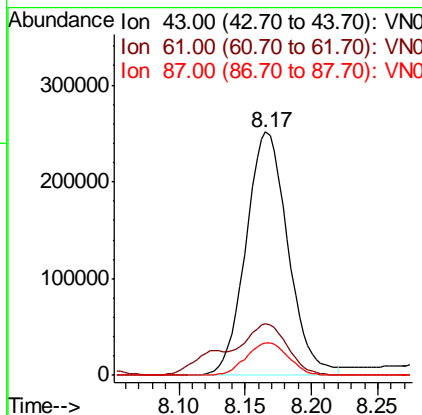
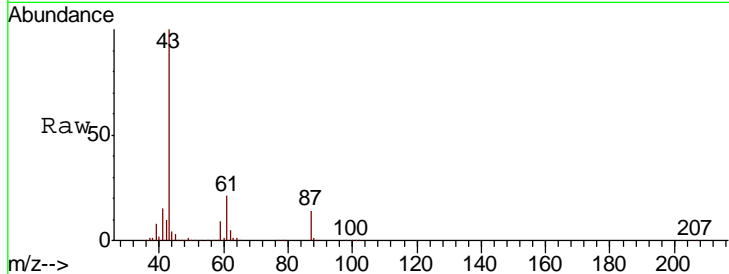
#43
 Isopropyl Acetate
 Concen: 43.25 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.2	16.2	24.2
87	13.6	10.9	16.3

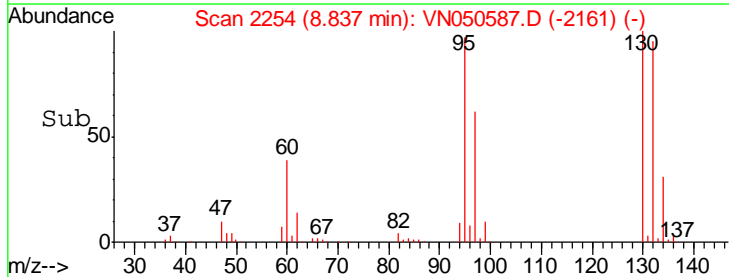
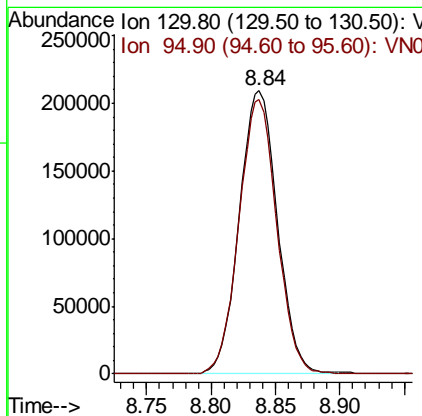
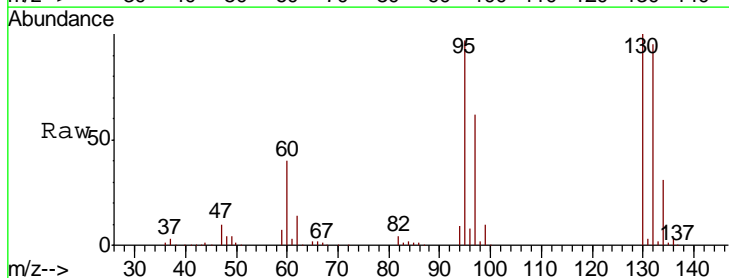
Manual Integrations
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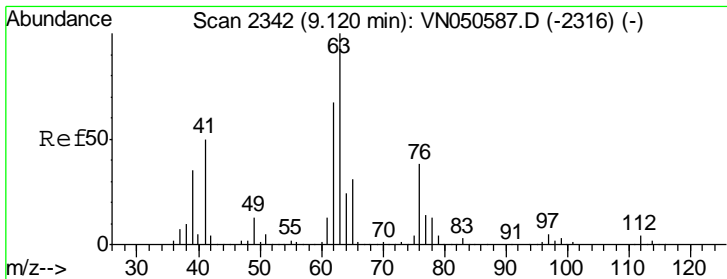
MMDadoda
 8/15/2018 3:21:11 PM



#44
 Trichloroethene
 Concen: 49.10 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.9	0.0	193.8





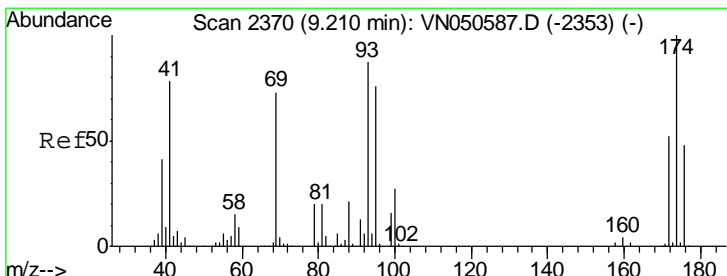
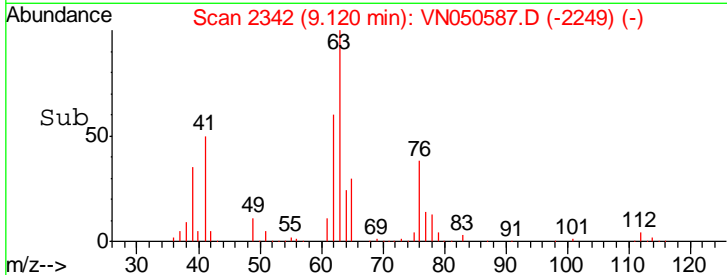
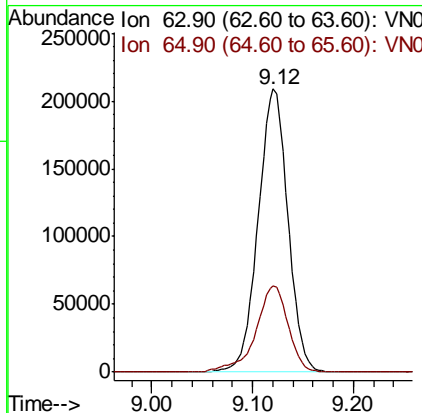
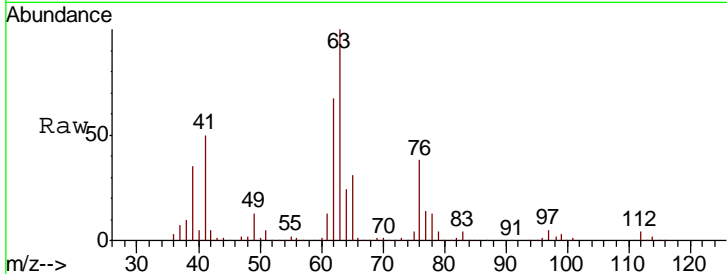
#45
 1,2-Dichloropropane
 Concen: 49.93 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.6	24.5	36.7

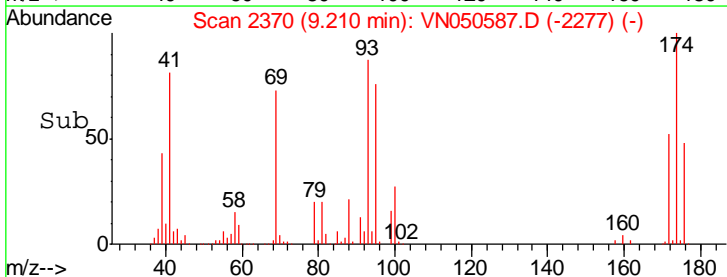
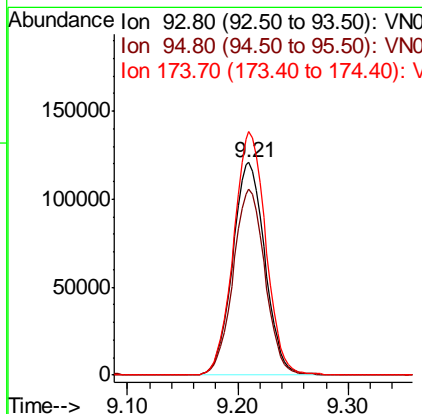
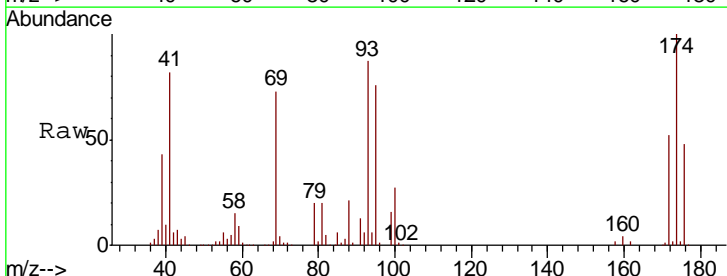
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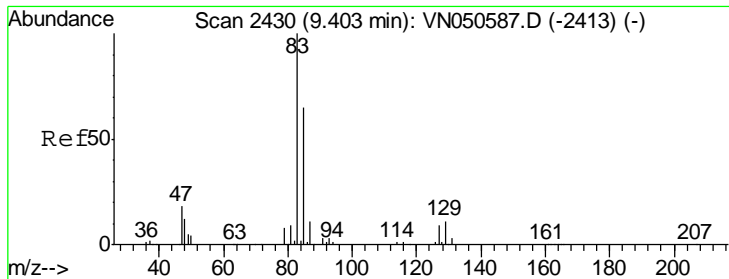
MMDadoda
 8/15/2018 3:21:11 PM



#46
 Dibromomethane
 Concen: 46.96 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
93	100		
95	86.4	69.1	103.7
174	113.8	91.0	136.6





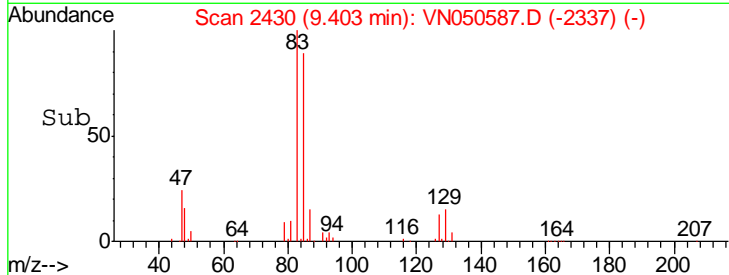
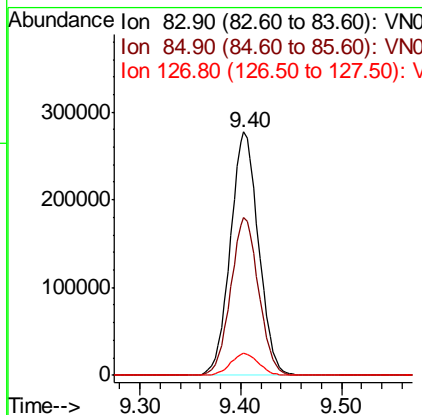
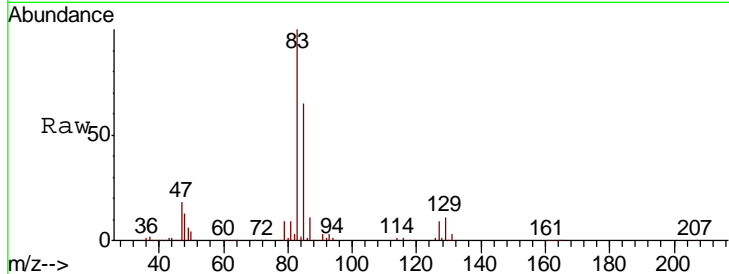
#47
 Bromodichloromethane
 Concen: 49.17 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	9.0	7.2	10.8

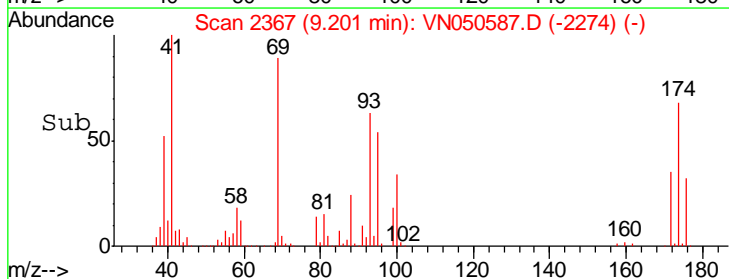
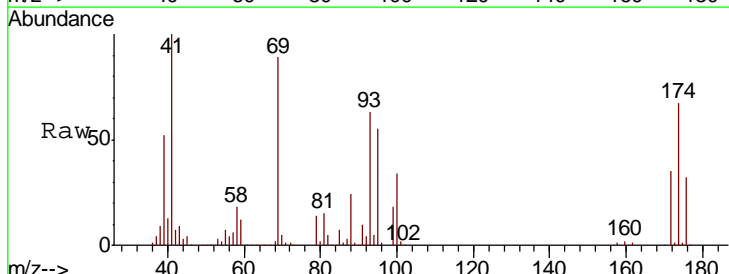
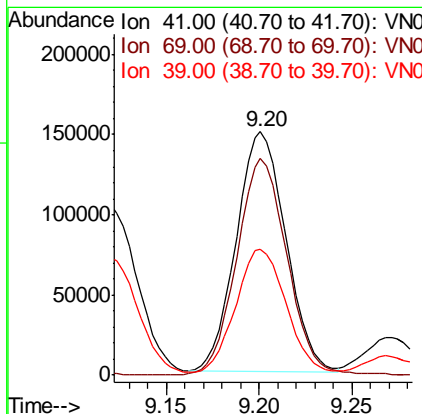
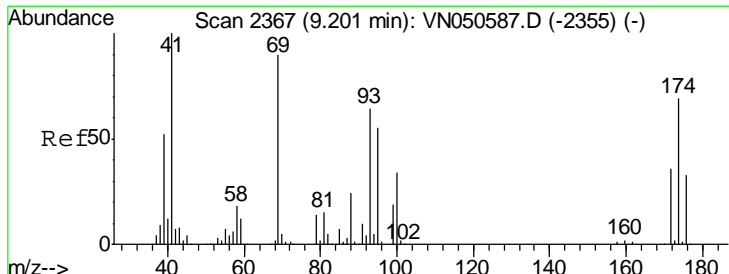
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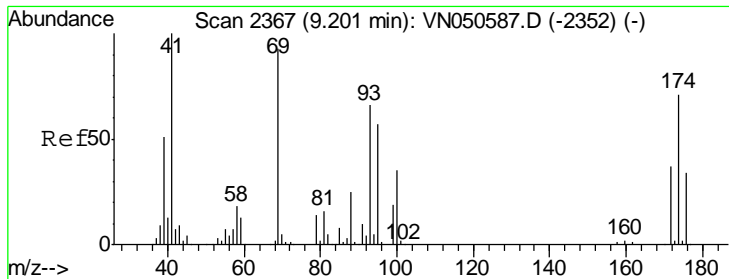
MMDadoda
 8/15/2018 3:21:11 PM



#48
 Methyl methacrylate
 Concen: 43.62 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
41	100		
69	91.7	73.4	110.0
39	53.8	43.0	64.6





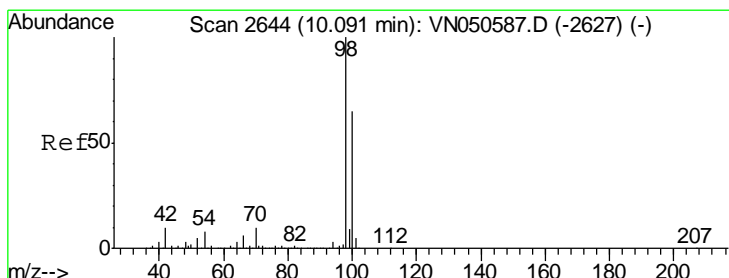
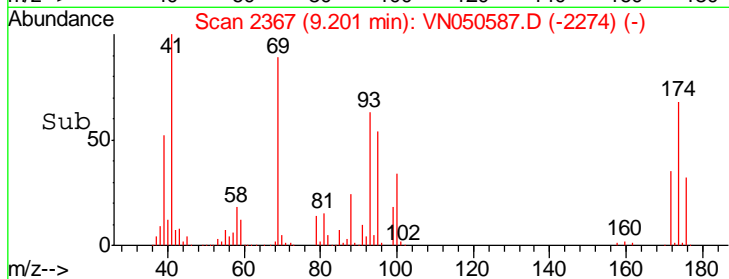
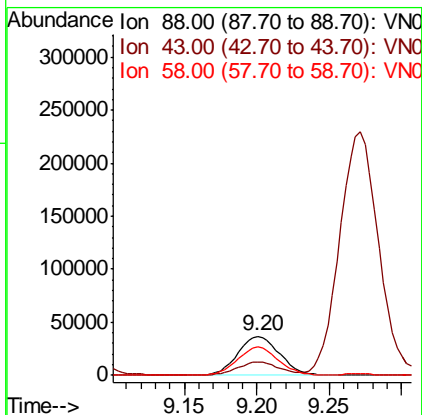
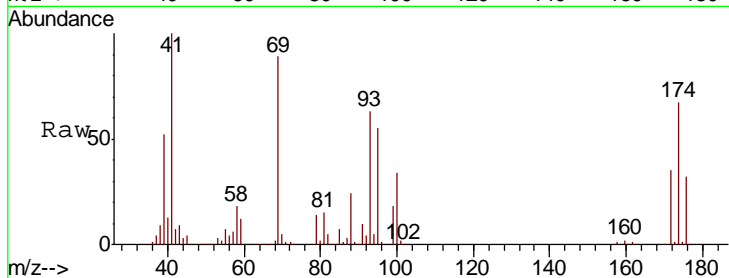
#49
 1,4-Dioxane
 Concen: 766.12 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
88	74392		
88	100		
43	32.4	25.9	38.9
58	70.6	56.5	84.7

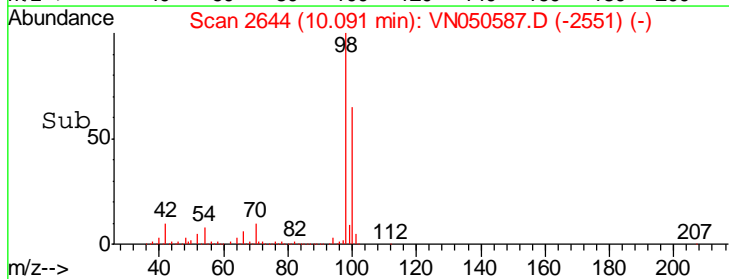
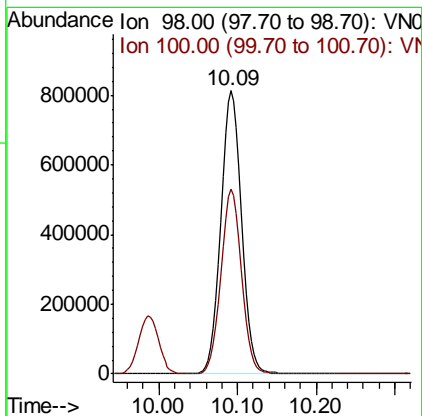
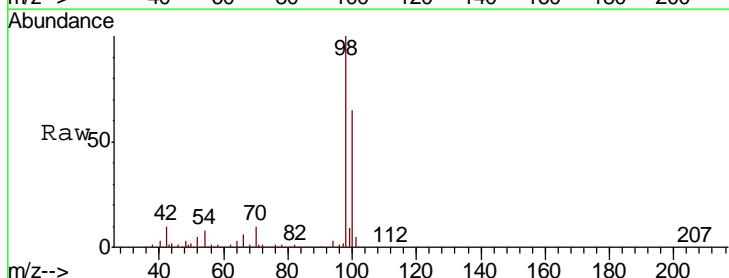
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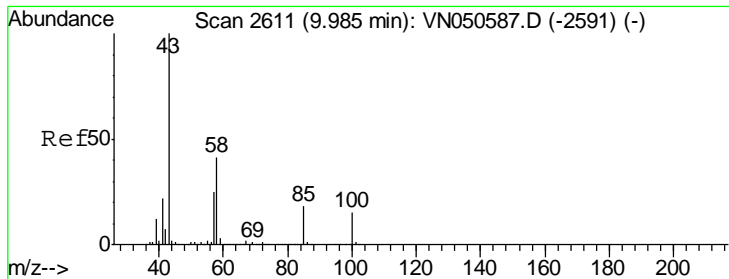
MMDadoda
 8/15/2018 3:21:11 PM



#50
 Toluene-d8
 Concen: 50.50 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
98	1472734		
98	100		
100	64.8	51.8	77.8





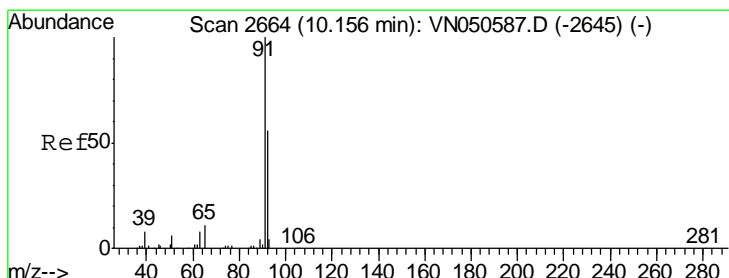
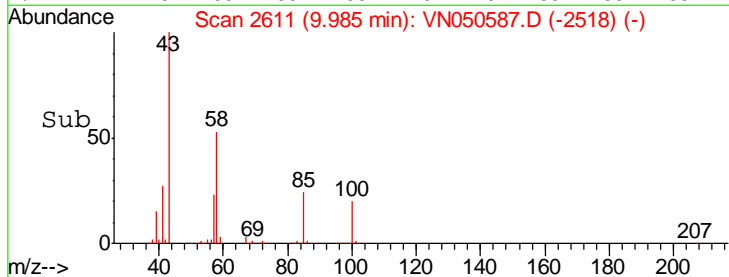
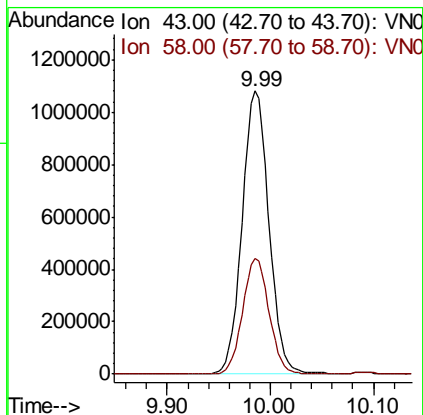
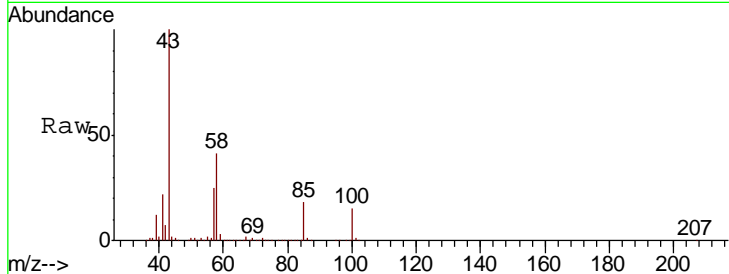
#51
 4-Methyl-2-Pentanone
 Concen: 213.24 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.6	32.5	48.7

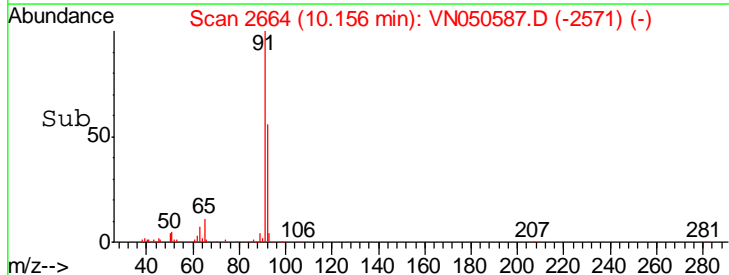
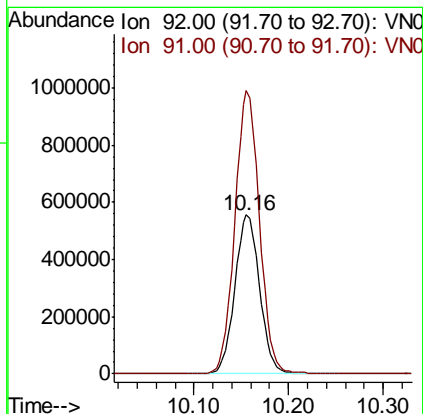
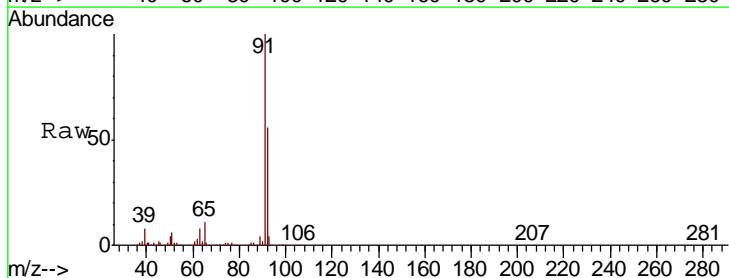
Manual Integrations
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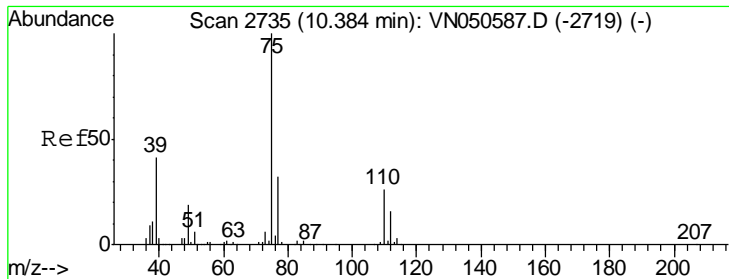
MMDadoda
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#52
 Toluene
 Concen: 51.57 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
92	100		
91	177.4	141.9	212.9





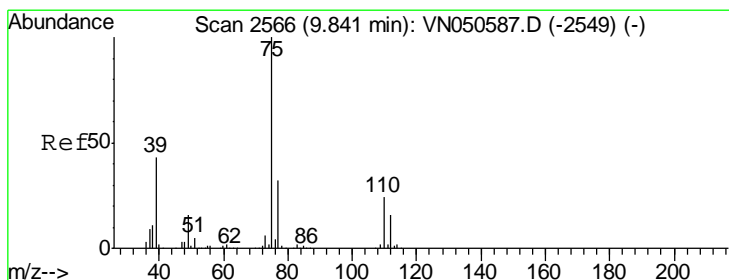
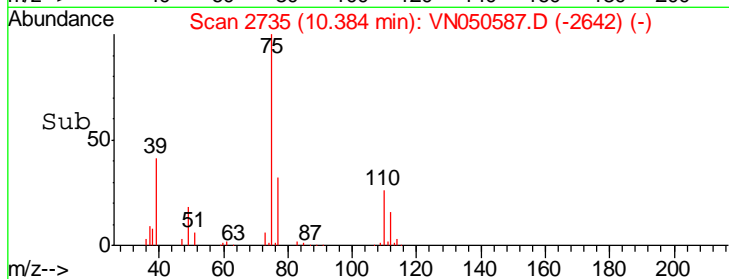
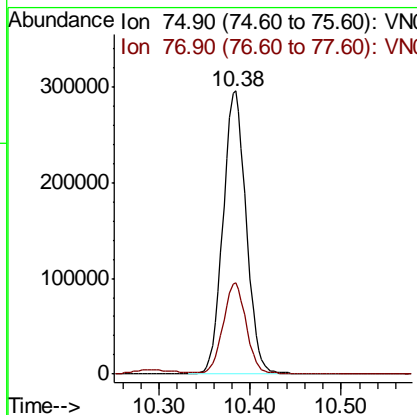
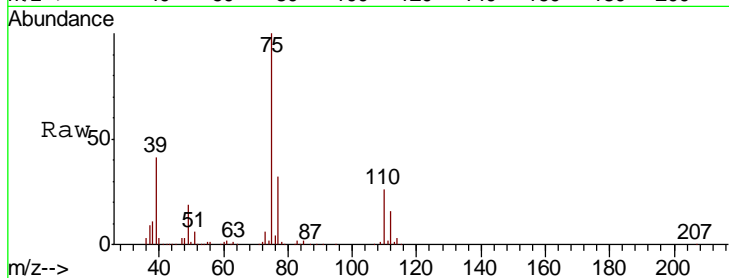
#53
 t-1,3-Dichloropropene
 Concen: 48.09 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	522887		
75	100		
77	32.2	25.8	38.6

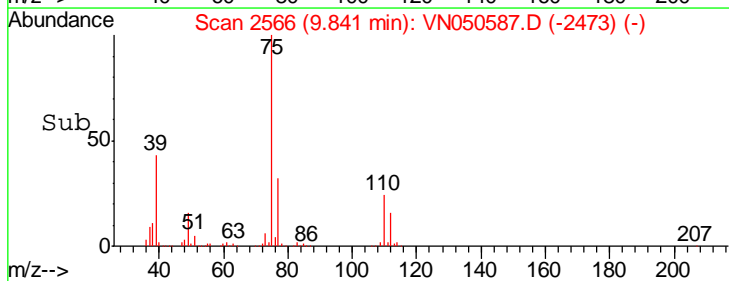
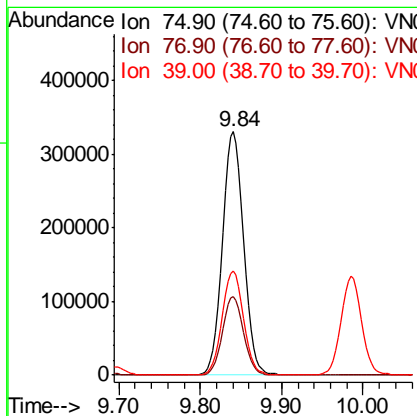
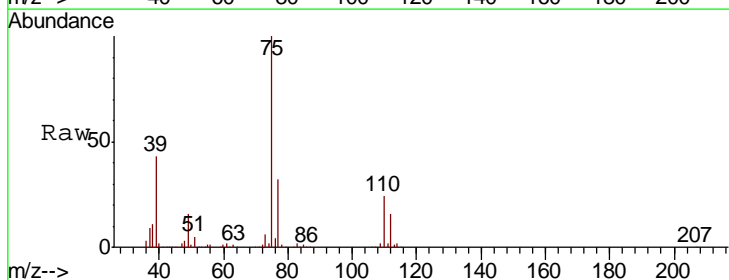
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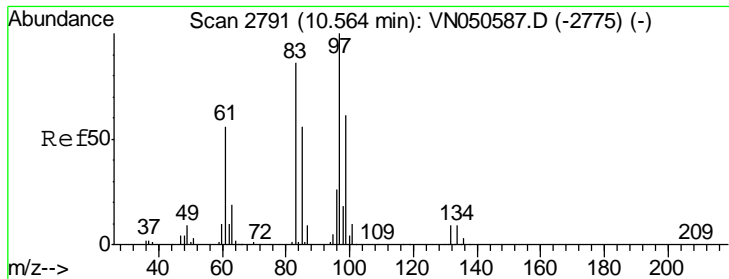
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#54
 cis-1,3-Dichloropropene
 Concen: 50.16 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
75	611874		
75	100		
77	32.0	25.6	38.4
39	43.0	34.4	51.6





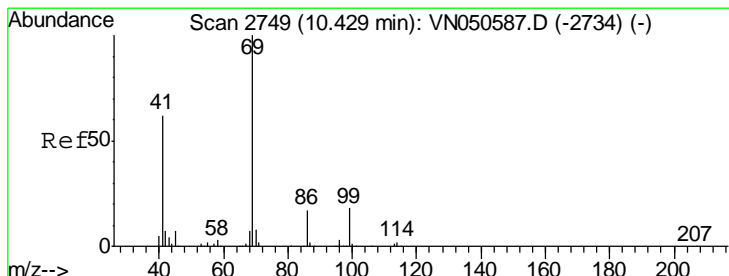
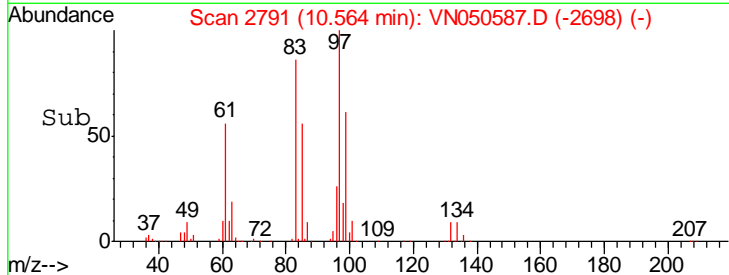
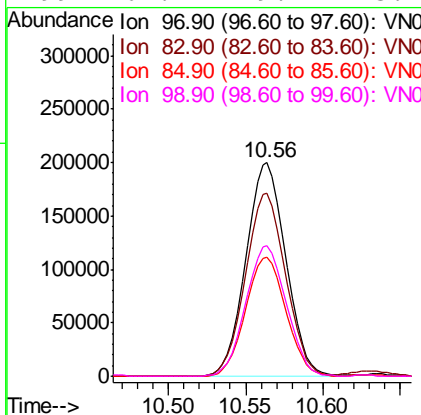
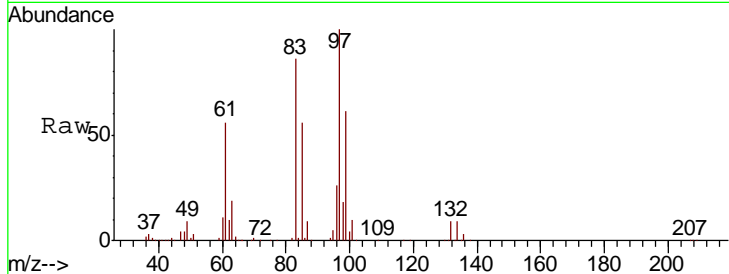
#55
 1,1,2-Trichloroethane
 Concen: 47.44 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VN050587.D
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
97	359193		
97	100		
83	85.6	68.5	102.7
85	55.7	44.6	66.8
99	61.4	49.1	73.7

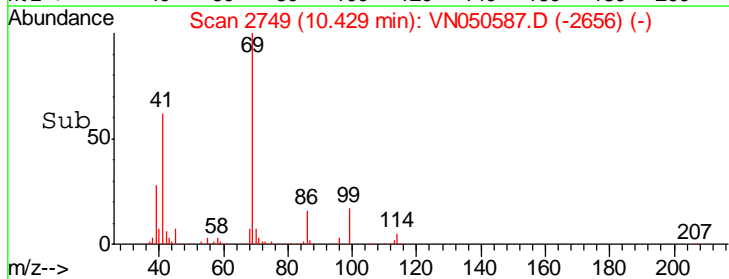
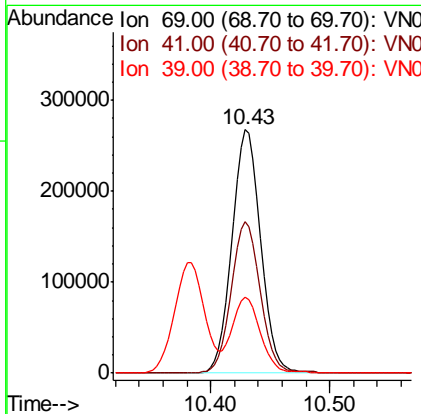
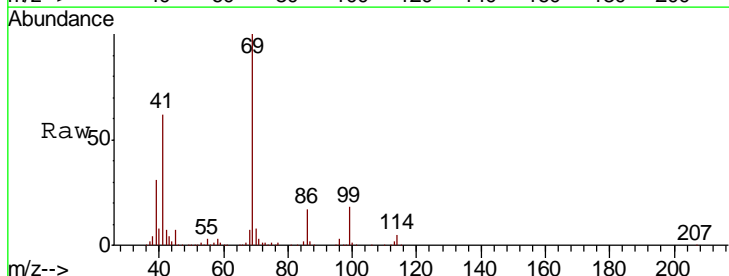
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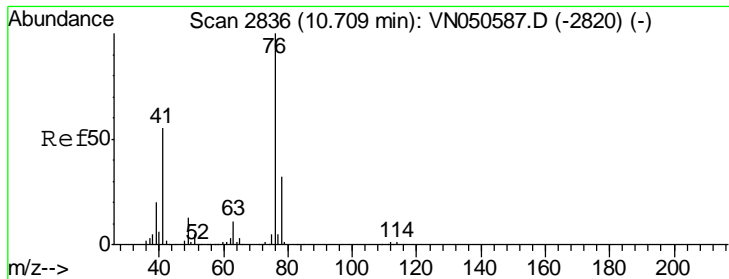
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#56
 Ethyl methacrylate
 Concen: 47.59 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
69	448443		
69	100		
41	62.1	49.7	74.5
39	30.2	24.2	36.2





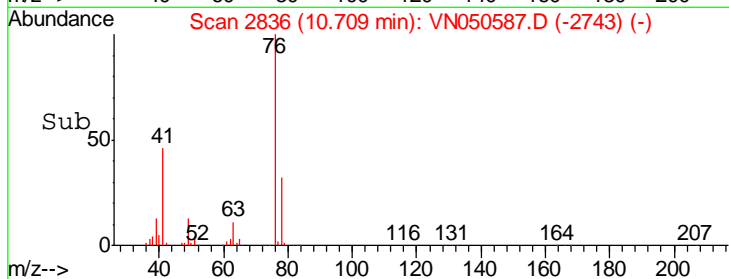
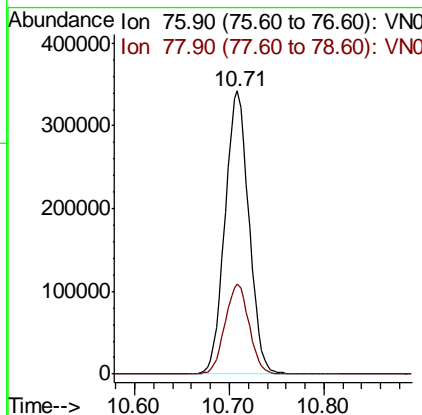
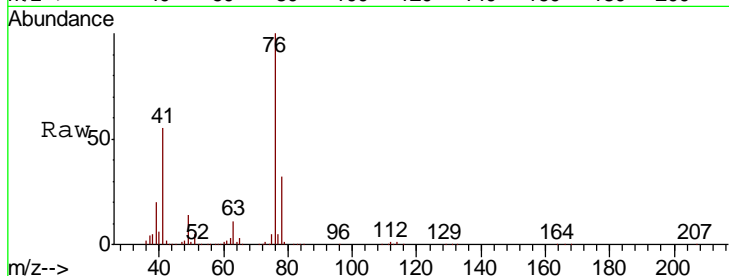
#57
 1,3-Dichloropropane
 Concen: 48.28 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
76	600655		
76	100		
78	32.2	25.8	38.6

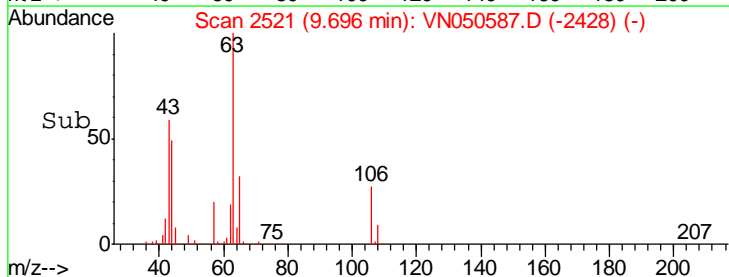
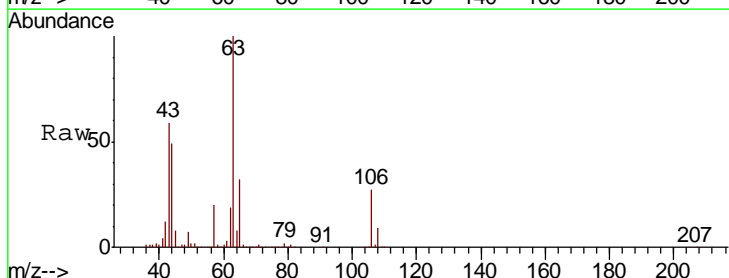
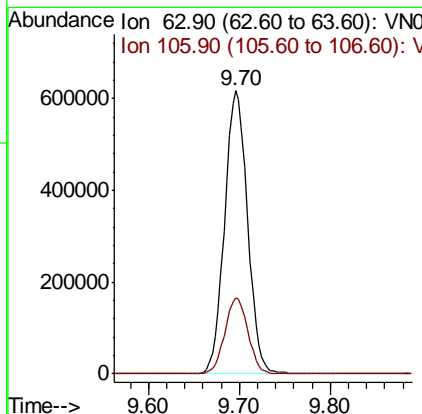
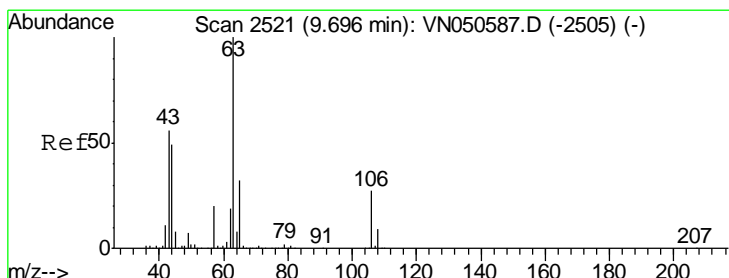
Manual Integrations
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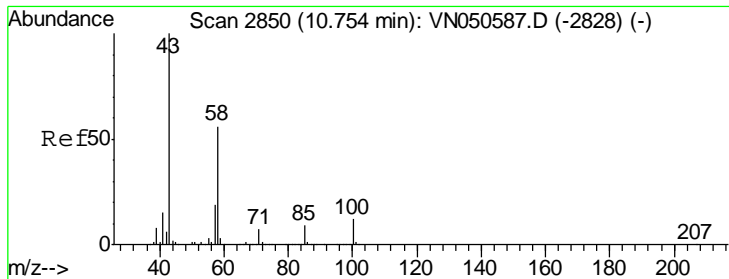
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#58
 2-Chloroethyl Vinyl ether
 Concen: 246.06 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
63	1083201		
63	100		
106	27.1	21.7	32.5





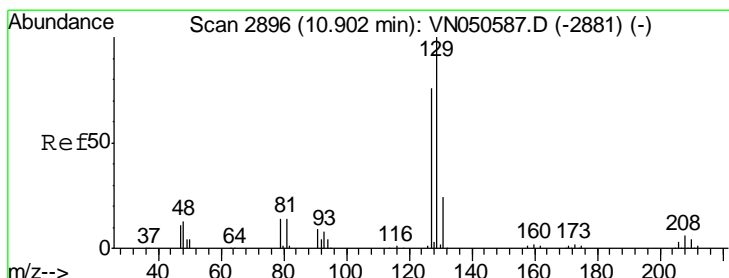
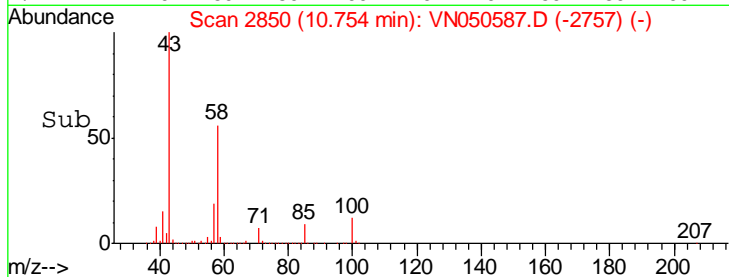
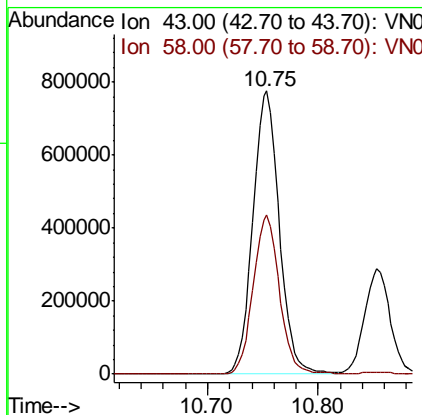
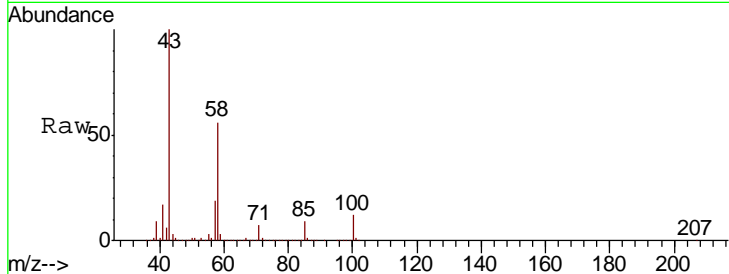
#59
 2-Hexanone
 Concen: 203.09 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.0	28.0	84.0

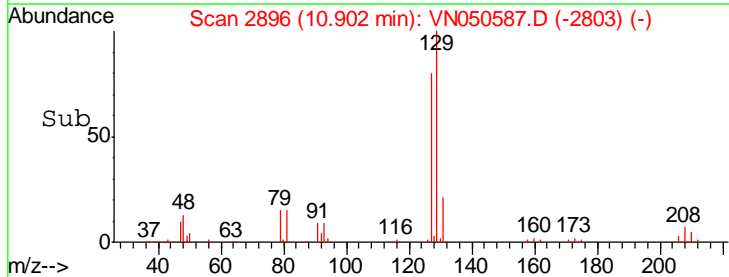
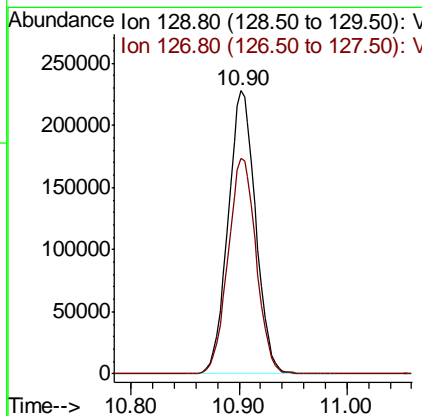
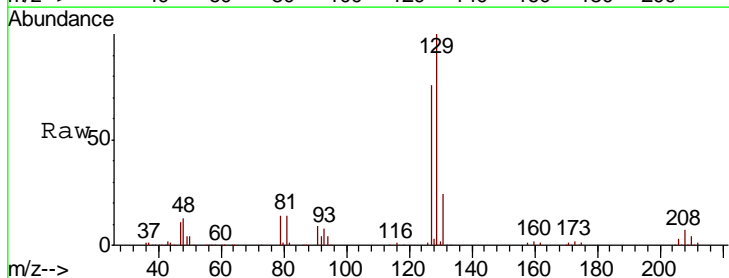
Manual Integrations
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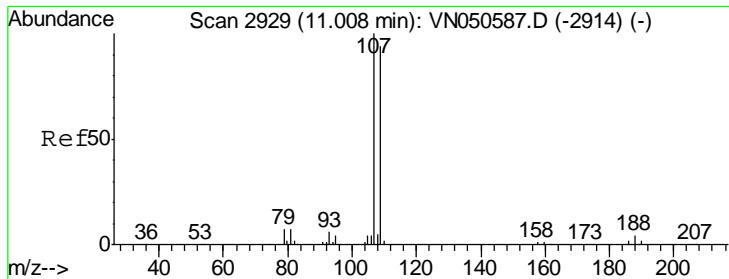
MMDadoda
 8/15/2018 3:21:11 PM



#60
 Dibromochloromethane
 Concen: 48.52 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.8	38.9	116.7





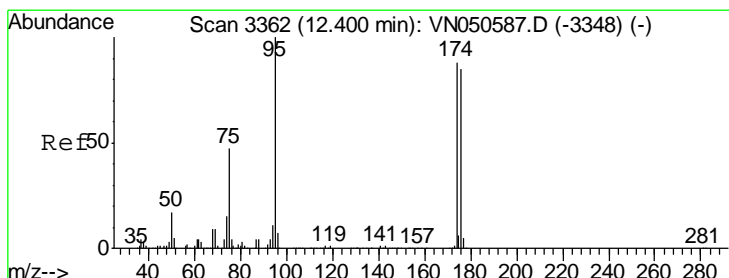
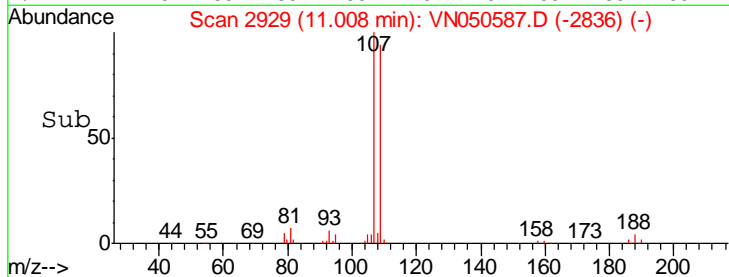
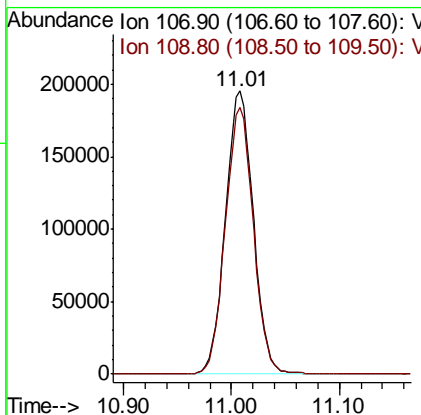
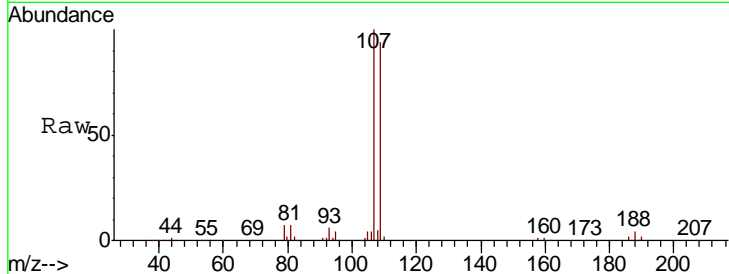
#61
 1,2-Dibromoethane
 Concen: 47.37 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.6	75.7	113.5

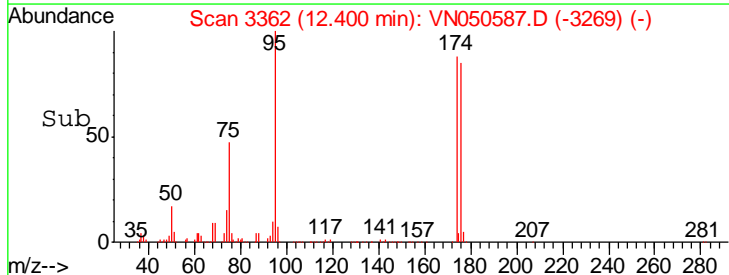
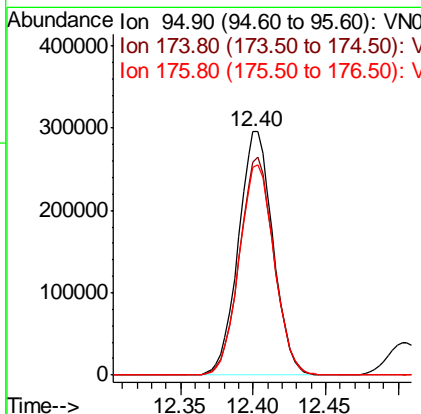
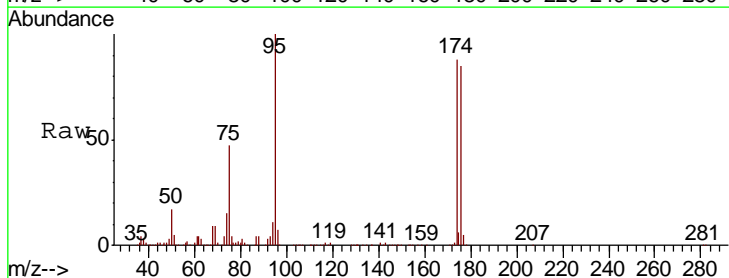
Manual Integrations
 APPROVED

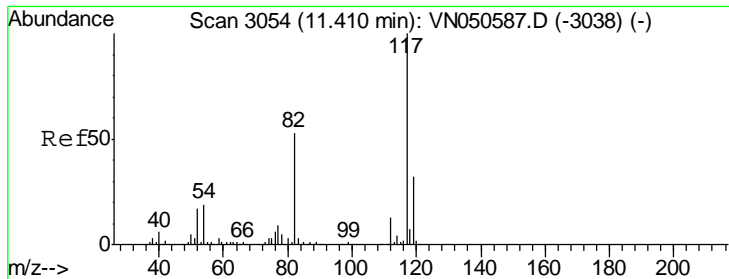
MMDadoda
 8/15/2018 3:21:11 PM



#62
 4-Bromofluorobenzene
 Concen: 49.66 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
95	100		
174	88.9	0.0	177.8
176	87.5	0.0	175.0





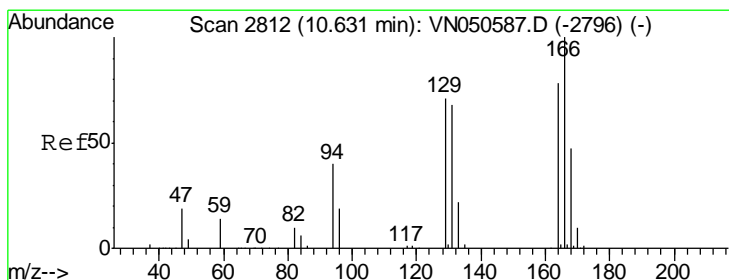
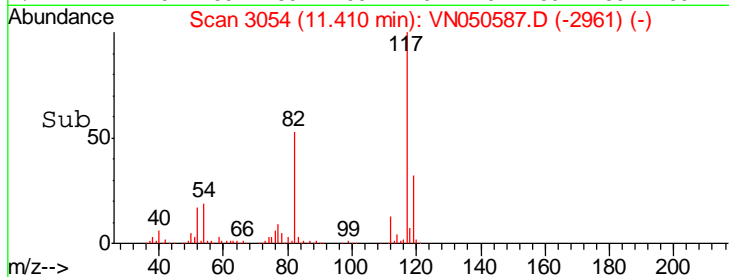
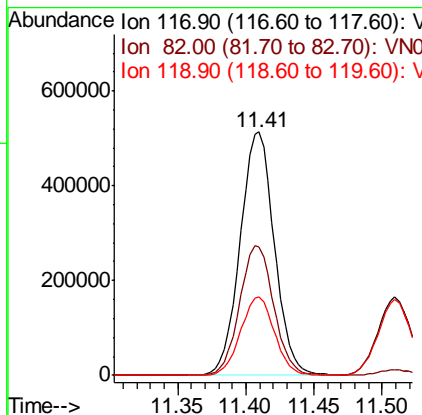
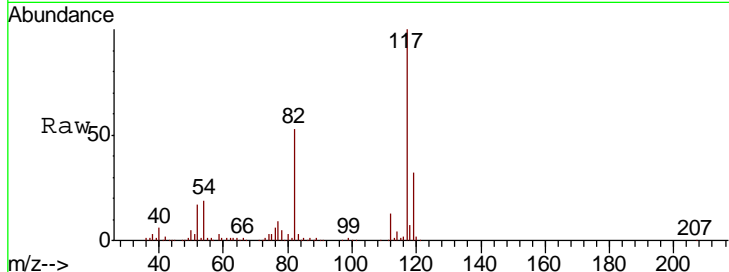
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
117	893322		
82	53.0	42.4	63.6
119	32.3	25.8	38.8

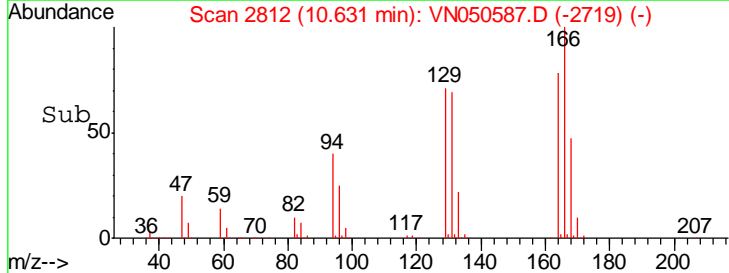
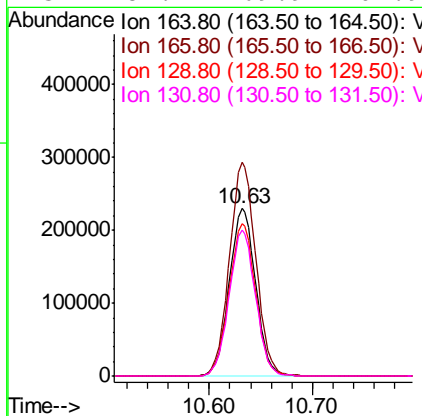
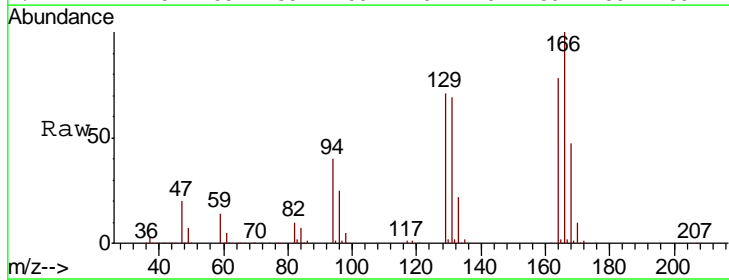
Manual Integrations
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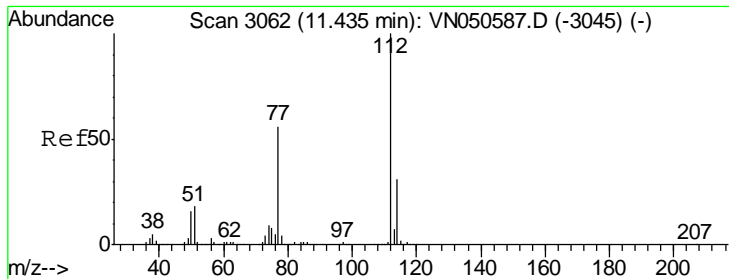
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 8/15/2018 3:21:11 PM



#64
 Tetrachloroethene
 Concen: 49.21 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
164	410147		
166	127.6	102.1	153.1
129	90.9	72.7	109.1
131	87.4	69.9	104.9





#65
 Chlorobenzene
 Concen: 48.97 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

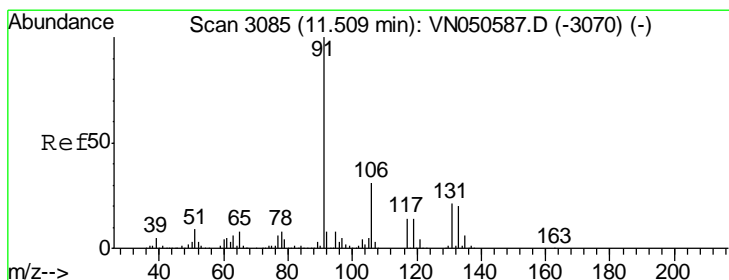
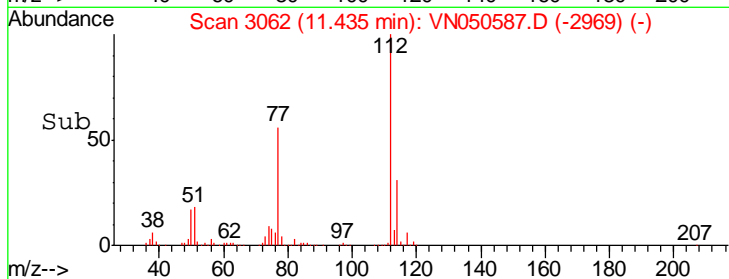
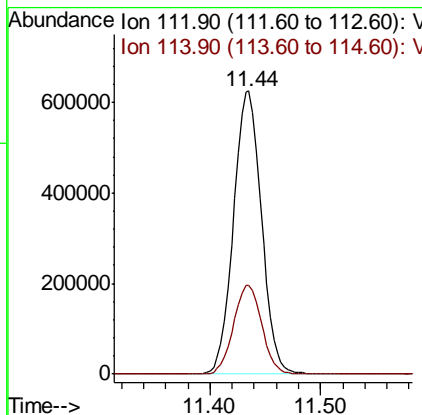
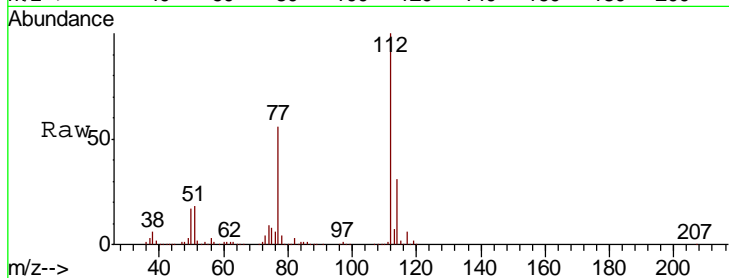
Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion: 112 Resp: 1097230

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.2	37.8

Manual Integrations
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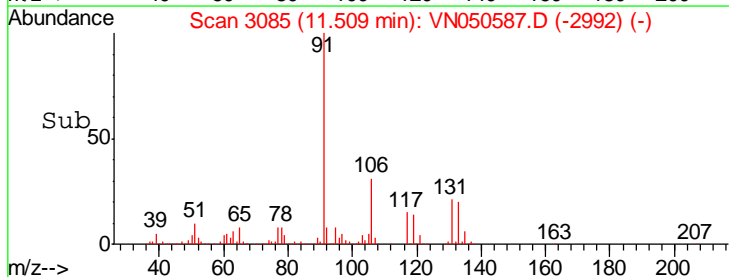
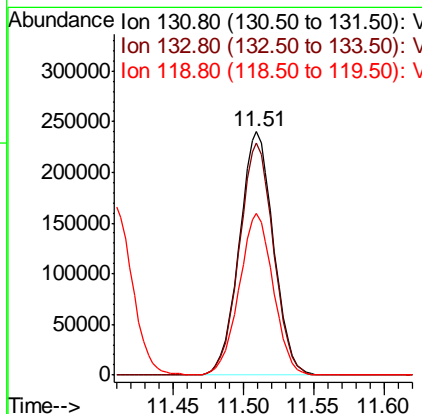
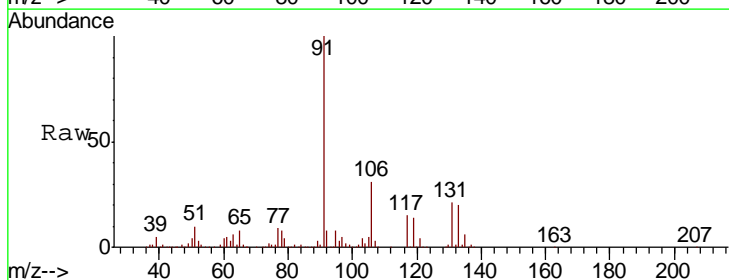
MMDadoda
 8/15/2018 3:21:11 PM

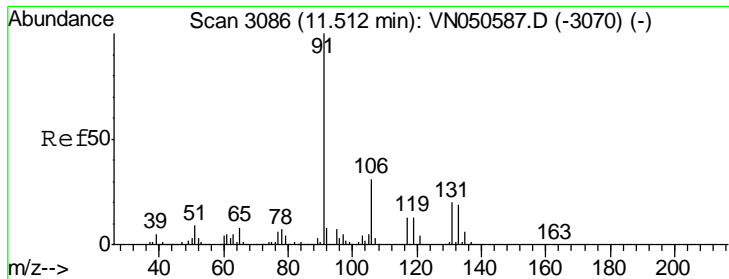


#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.86 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 131 Resp: 407622

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.6	142.9
119	66.2	33.1	99.3





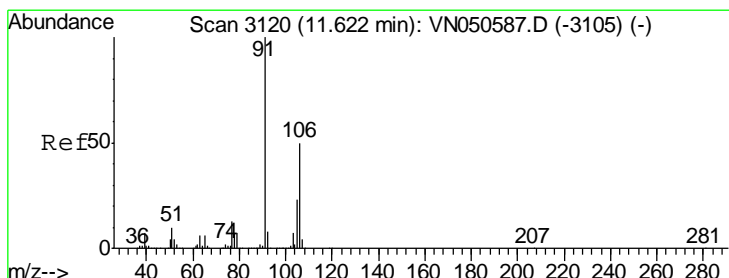
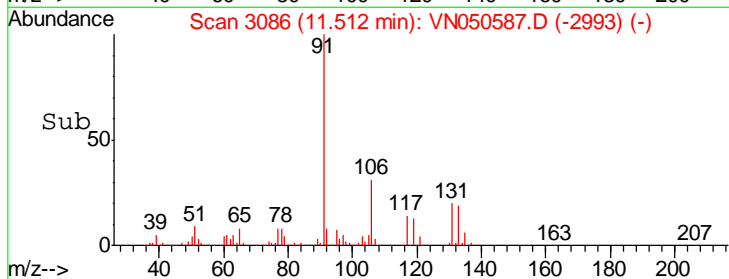
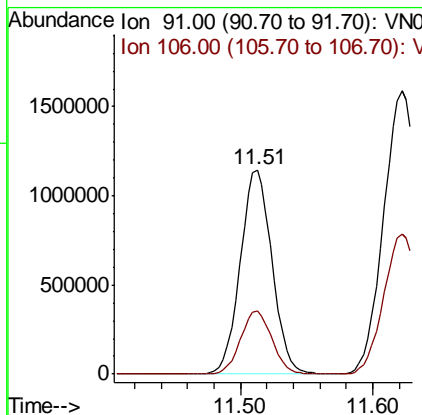
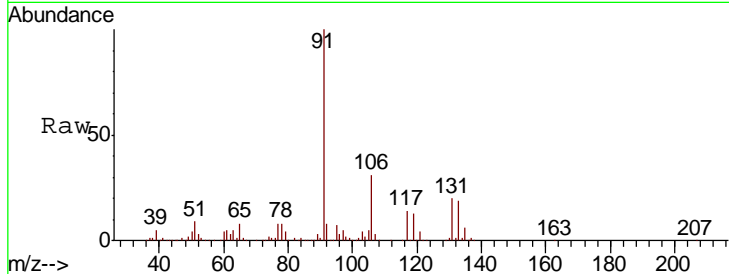
#67
 Ethyl Benzene
 Concen: 52.39 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion: 91 Resp: 1897710
 Ion Ratio Lower Upper
 91 100
 106 31.0 24.8 37.2

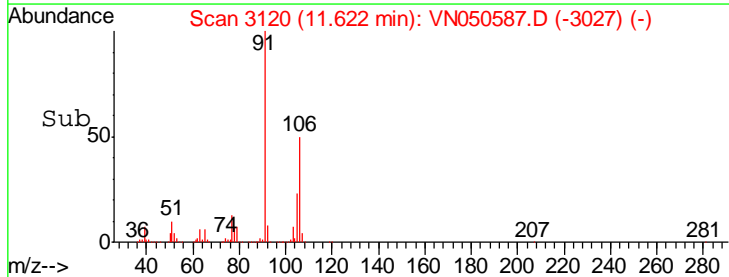
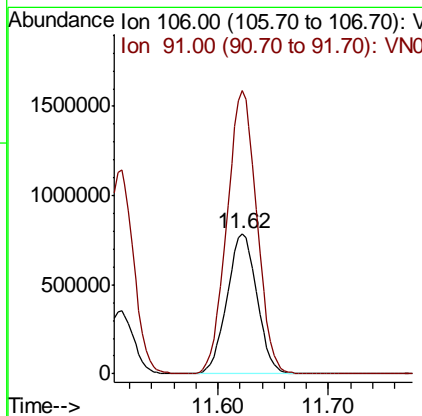
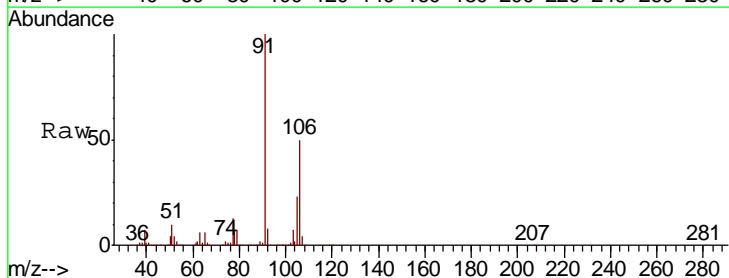
Manual Integrations
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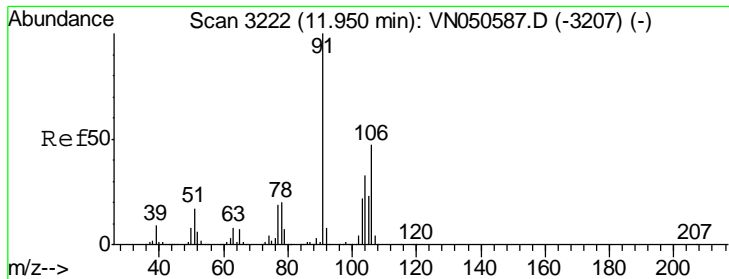
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 8/15/2018 3:21:11 PM



#68
 m/p-Xylenes
 Concen: 107.03 ug/l
 RT: 11.62 min Scan# 3120
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 106 Resp: 1477026
 Ion Ratio Lower Upper
 106 100
 91 201.9 161.5 242.3





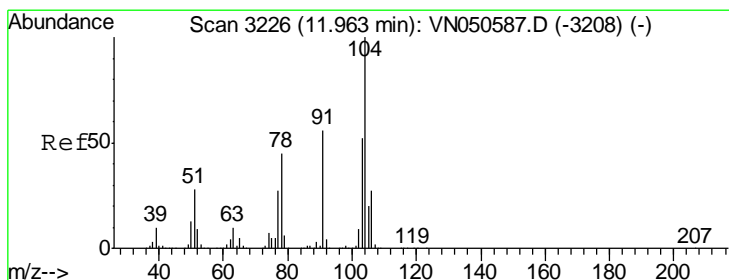
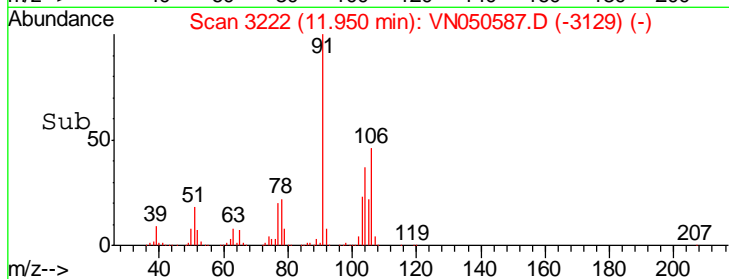
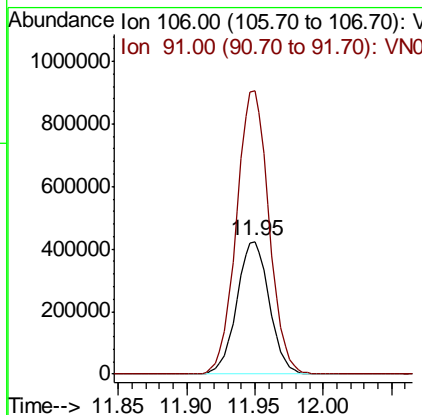
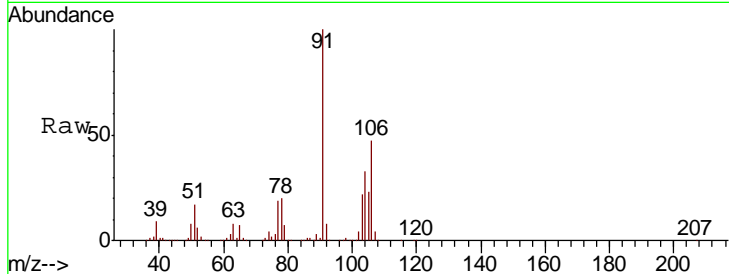
#69
 o-Xylene
 Concen: 52.78 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
106	700354		
106	100		
91	213.6	106.8	320.4

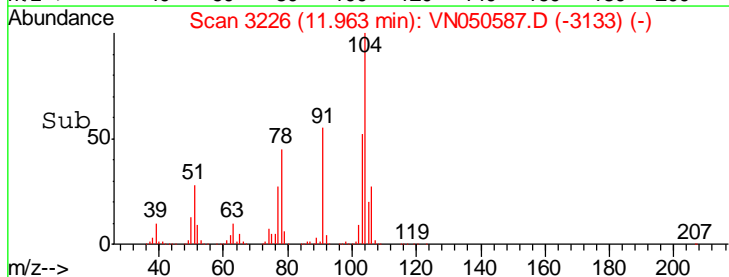
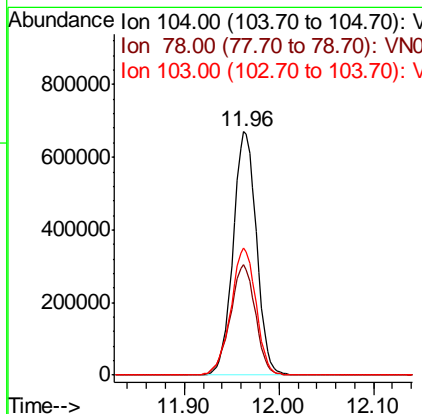
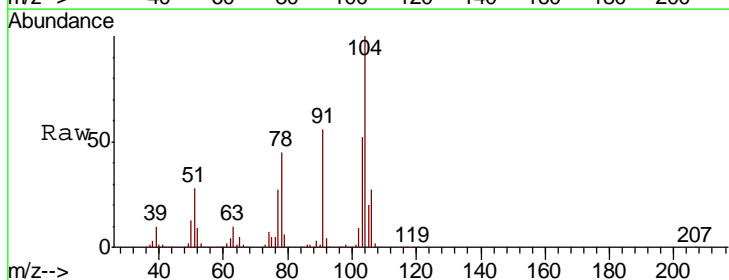
Manual Integrations
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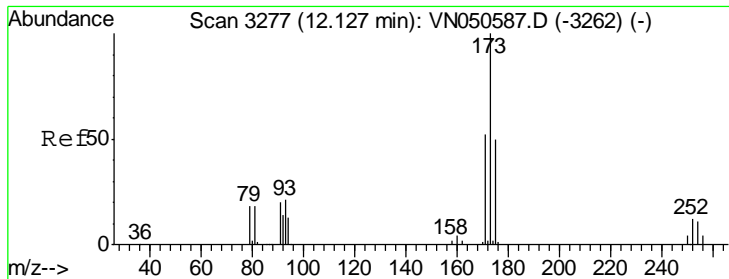
MMDadoda
 8/15/2018 3:21:11 PM



#70
 Styrene
 Concen: 53.46 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
104	1150339		
104	100		
78	48.9	39.1	58.7
103	56.1	44.9	67.3





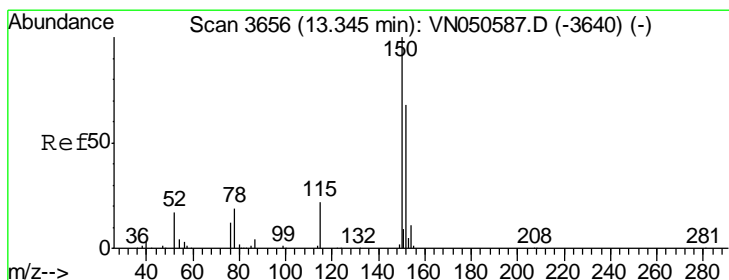
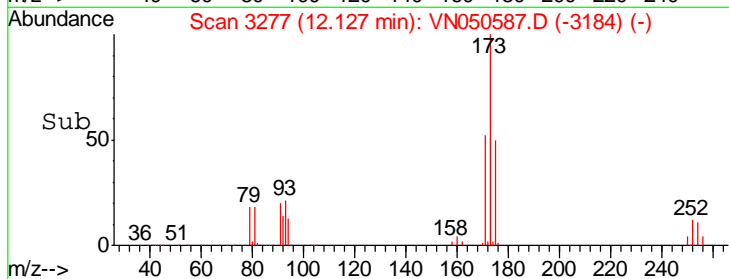
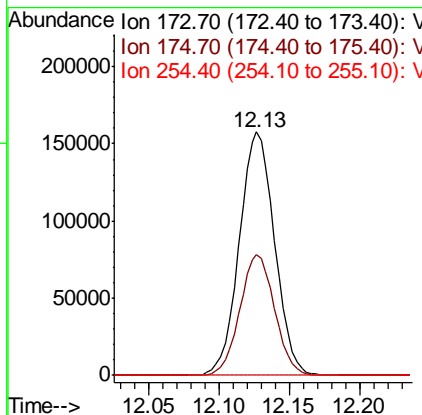
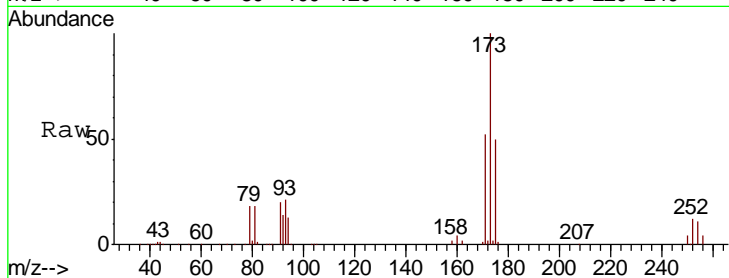
#71
 Bromoform
 Concen: 47.02 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.0	0.0

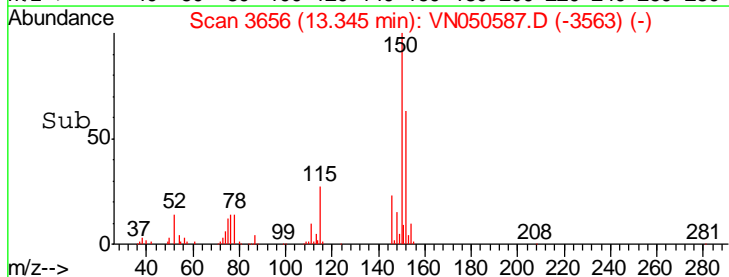
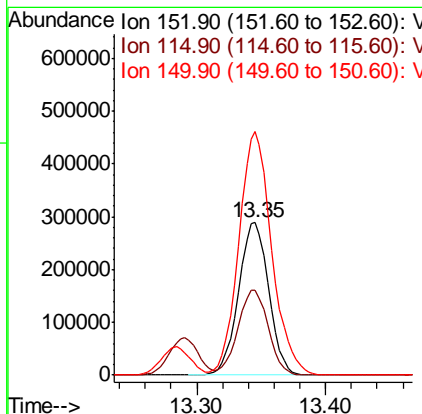
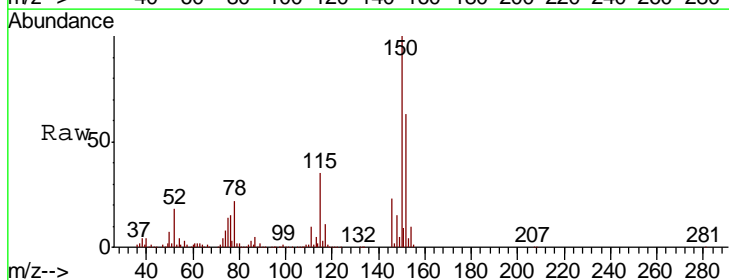
Manual Integrations
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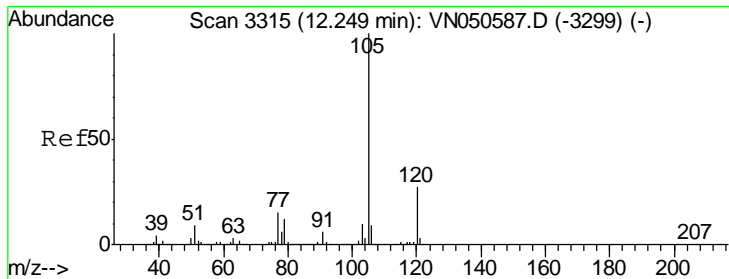
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 8/15/2018 3:21:11 PM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
152	100		
115	56.1	28.1	84.2
150	173.9	0.0	347.8





#73
 Isopropylbenzene
 Concen: 52.25 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

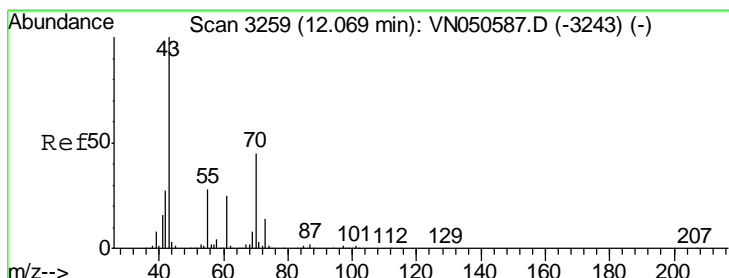
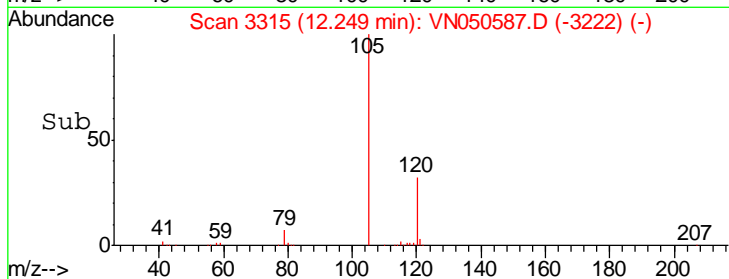
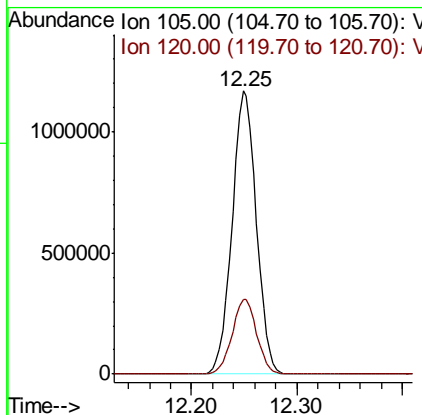
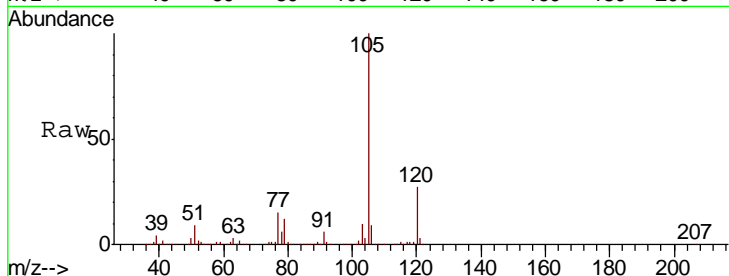
Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion: 105 Resp: 1850997

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1

Manual Integrations
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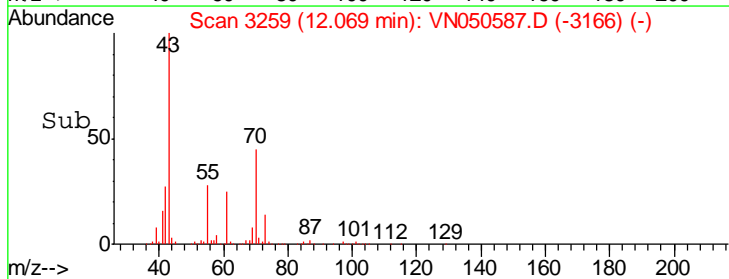
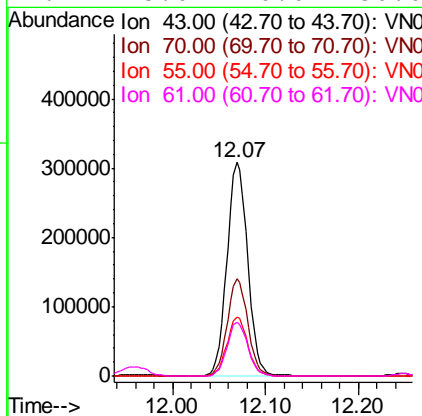
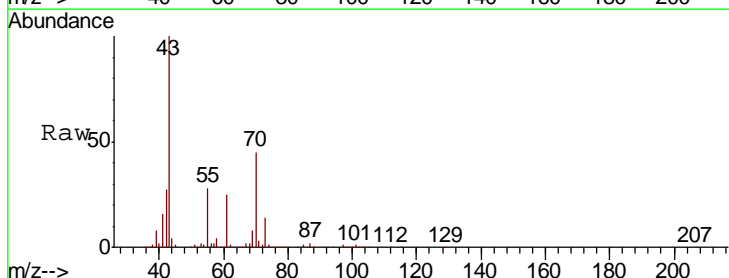
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 8/15/2018 3:21:11 PM

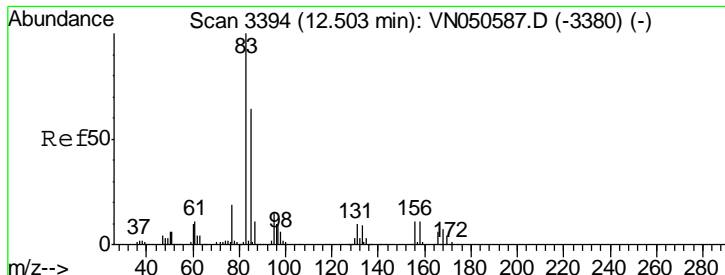


#74
 N-amyl acetate
 Concen: 43.01 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 43 Resp: 476573

Ion	Ratio	Lower	Upper
43	100		
70	44.9	35.9	53.9
55	27.8	22.2	33.4
61	25.0	20.0	30.0





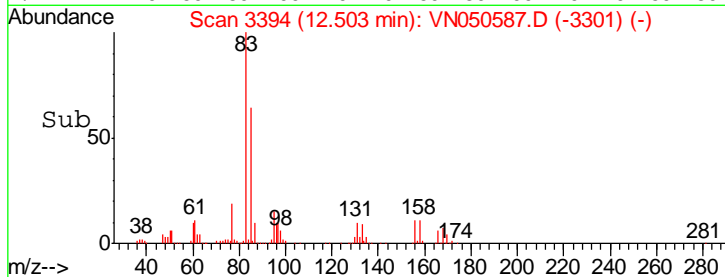
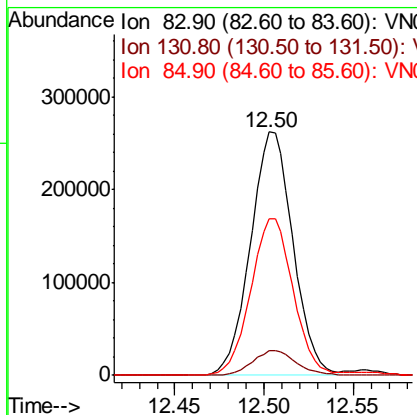
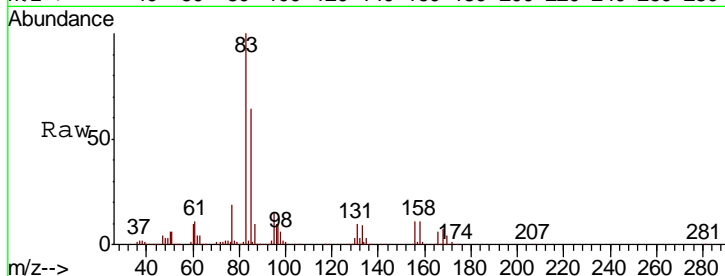
#75
 1,1,2,2-Tetrachloroethane
 Concen: 43.64 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
83	436513		
131	10.6	5.3	15.9
85	64.3	32.1	96.5

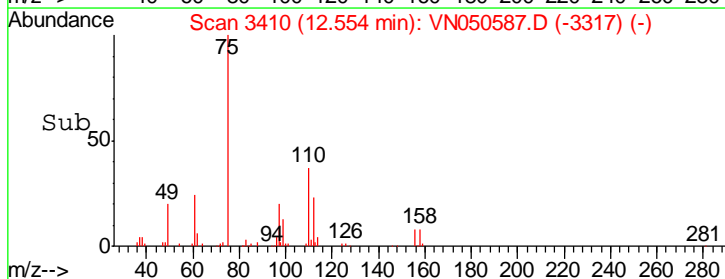
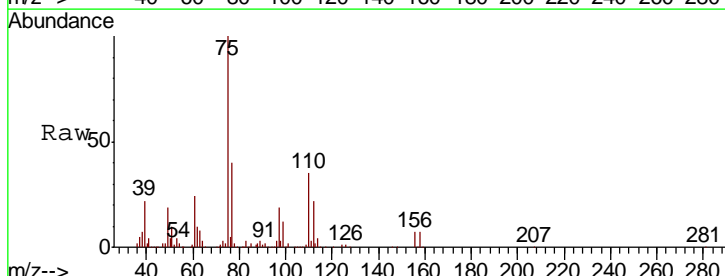
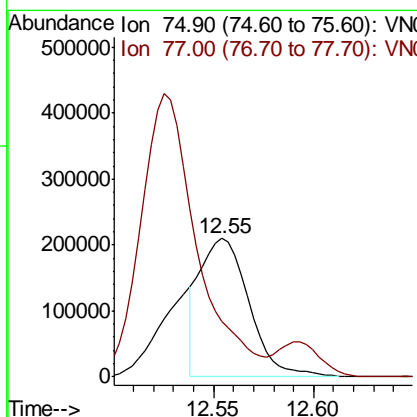
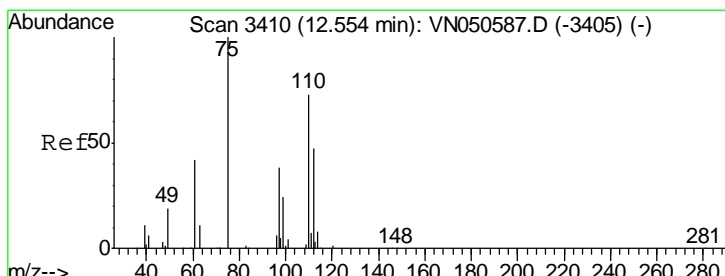
Manual Integrations
 APPROVED

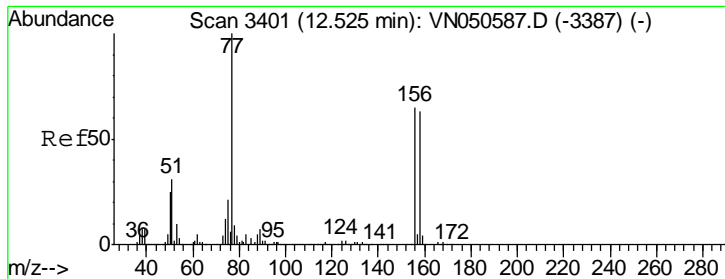
MMDadoda
 8/15/2018 3:21:11 PM



#76
 1,2,3-Trichloropropane
 Concen: 42.51 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
75	360007		
77	0.0	0.0	0.0





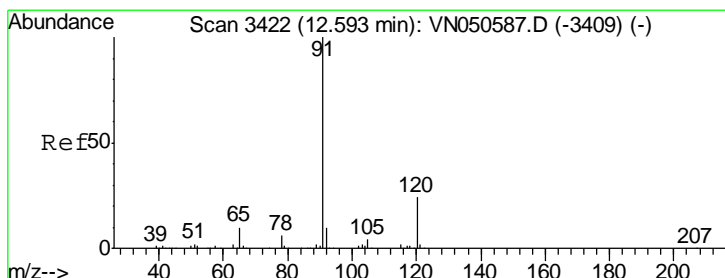
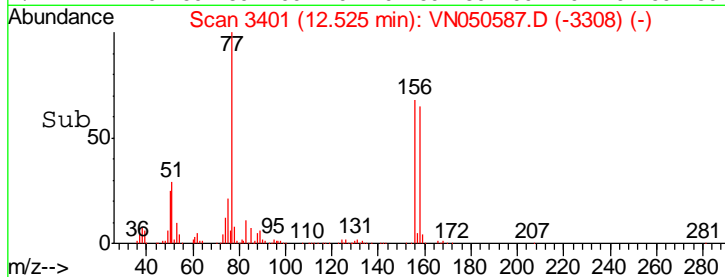
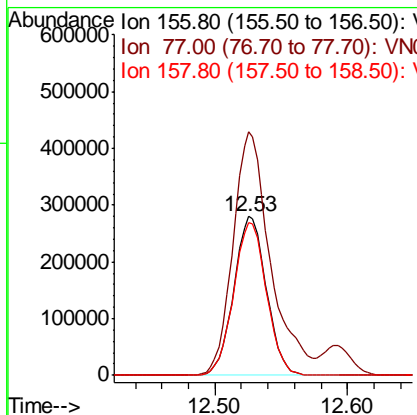
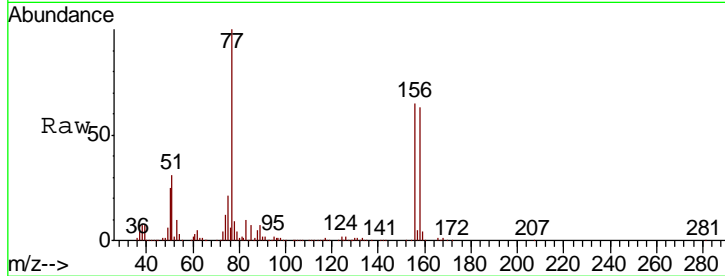
#77
 Bromobenzene
 Concen: 50.11 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
156	475020		
77	178.1	89.0	267.1
158	97.1	48.5	145.6

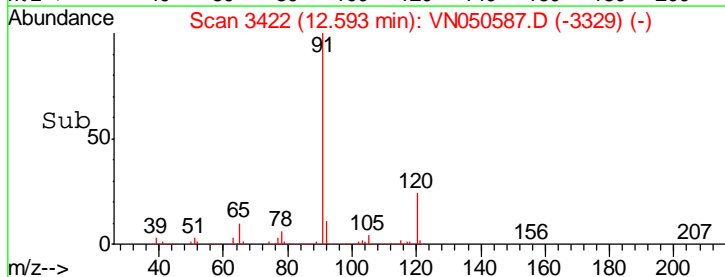
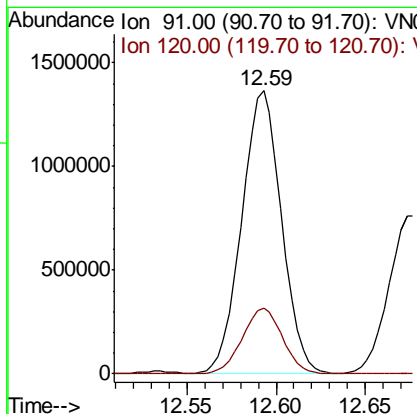
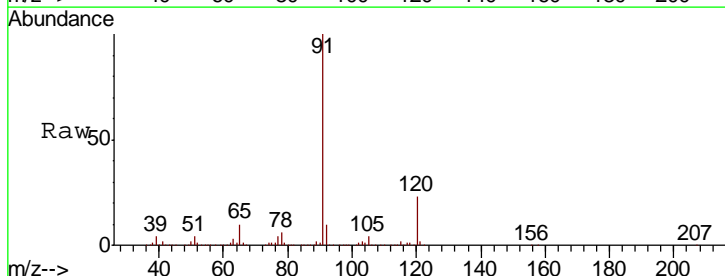
Manual Integrations
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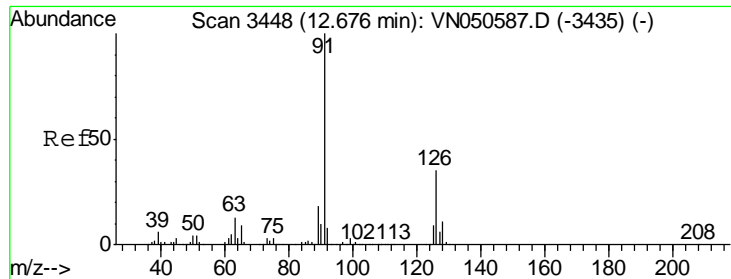
MMDadoda
 8/15/2018 3:21:11 PM



#78
 n-propylbenzene
 Concen: 52.97 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
91	2122325		
120	23.6	11.8	35.4





#79
 2-Chlorotoluene
 Concen: 51.14 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

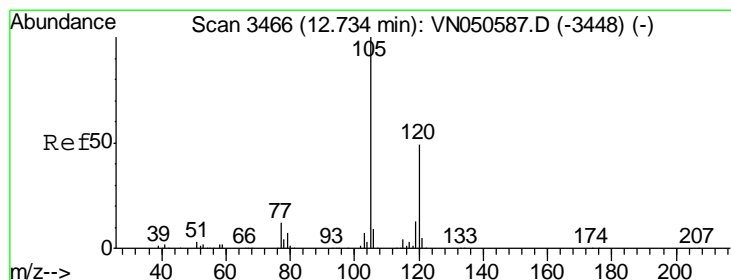
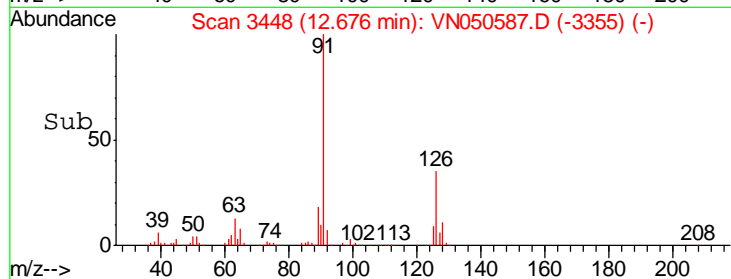
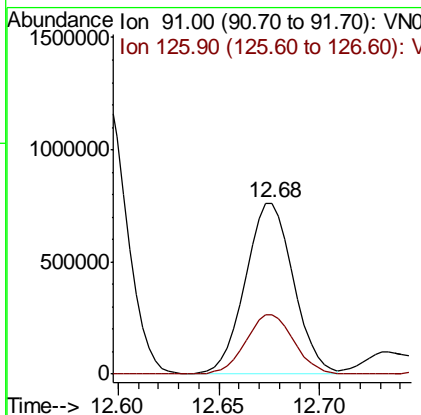
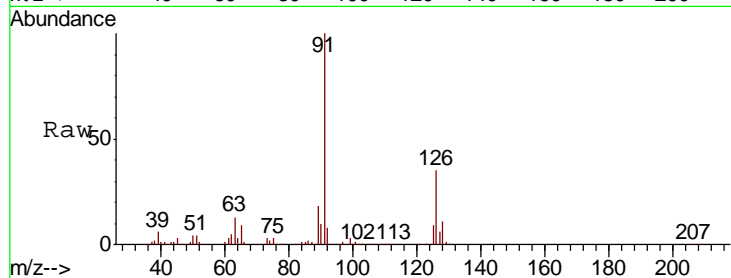
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDICCC050

Tgt Ion: 91 Resp: 1266302

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8

Manual Integrations
 APPROVED

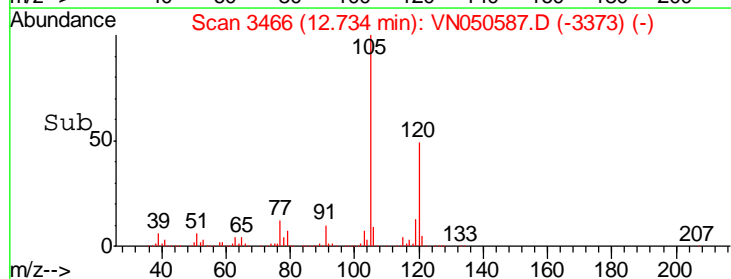
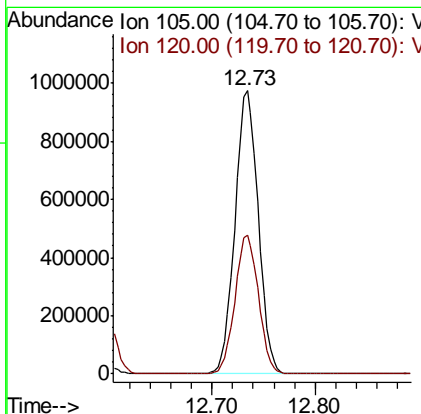
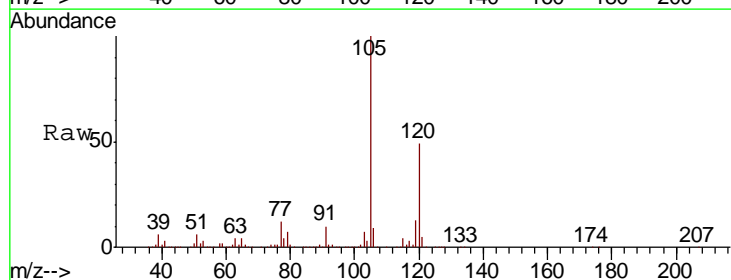
MMDadoda
 8/15/2018 3:21:11 PM

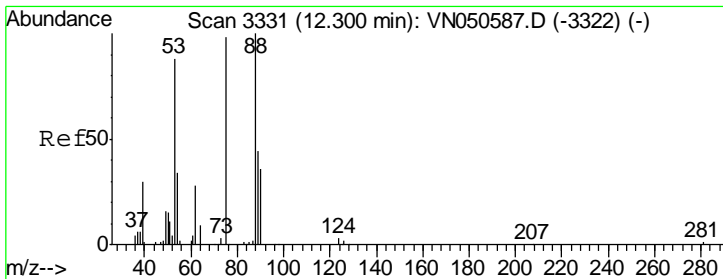


#80
 1,3,5-Trimethylbenzene
 Concen: 53.34 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 105 Resp: 1530910

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.7	74.1





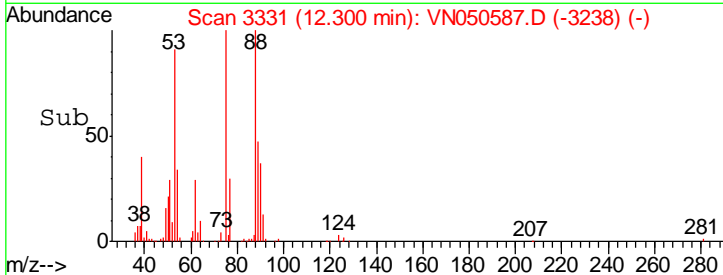
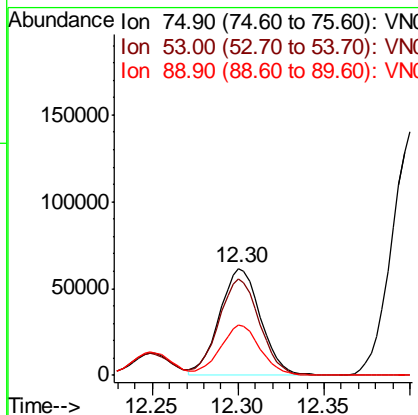
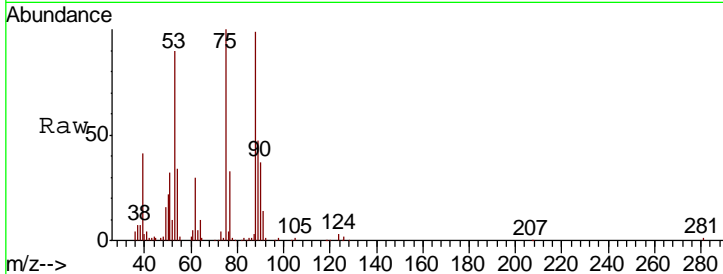
#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.97 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 ClientSampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
75	102893		
75	100		
53	90.2	72.2	108.2
89	45.4	36.3	54.5

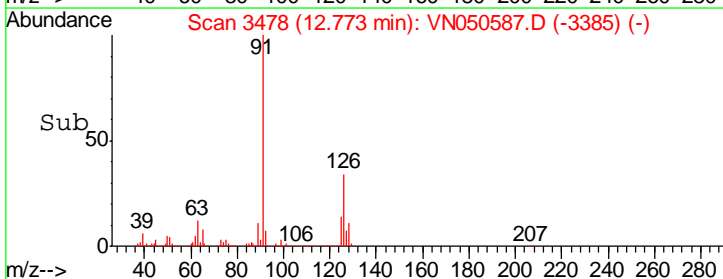
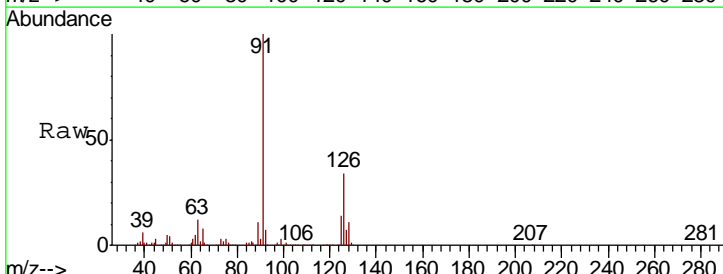
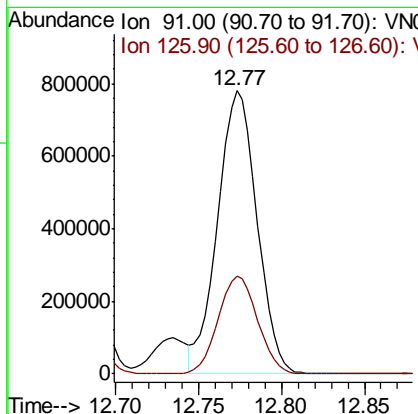
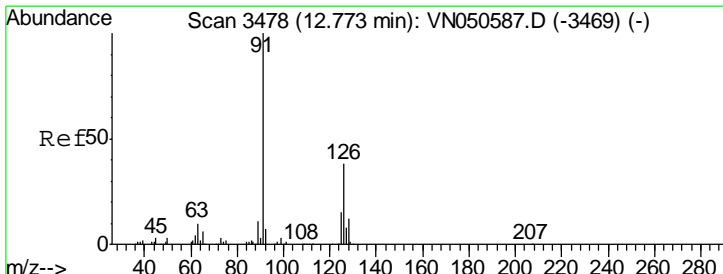
Manual Integrations
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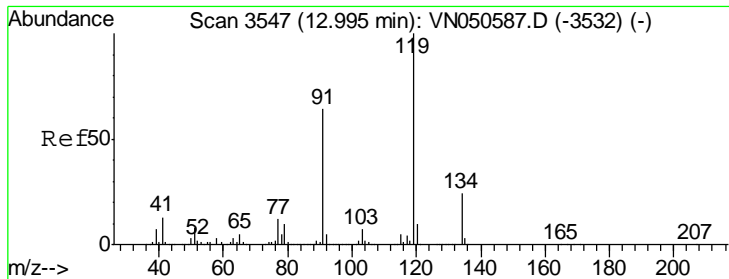
MMDadoda
 8/15/2018 3:21:11 PM



#82
 4-Chlorotoluene
 Concen: 52.16 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
91	1287201		
91	100		
126	34.7	17.3	52.0





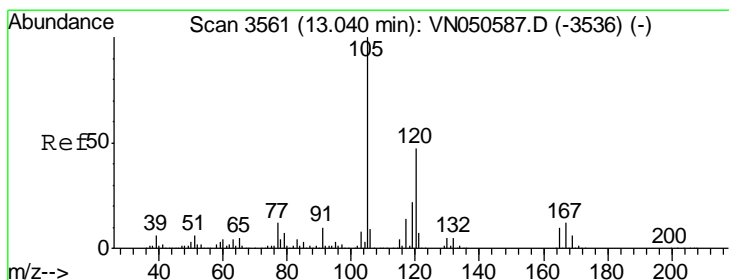
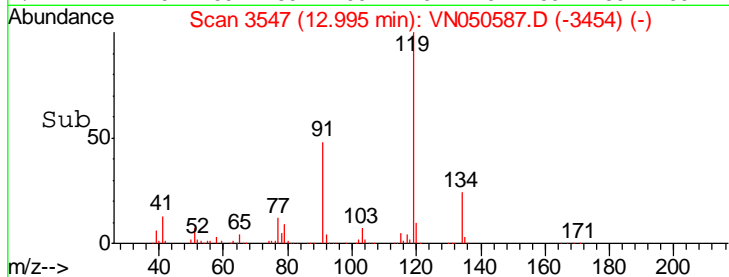
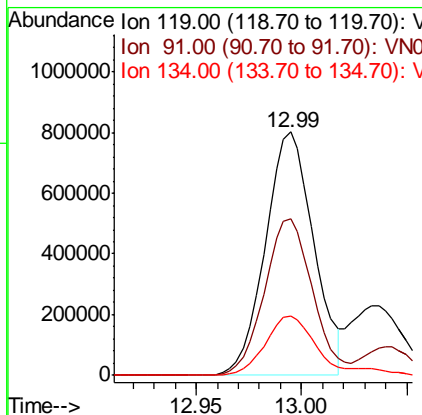
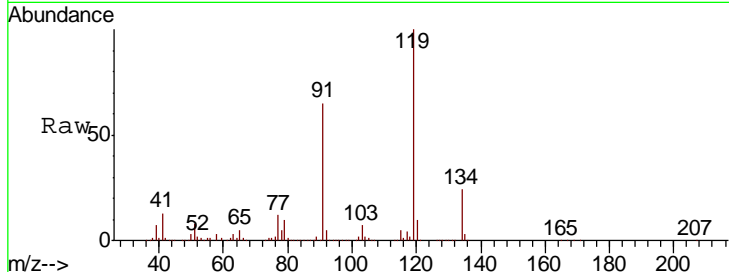
#83
 tert-Butylbenzene
 Concen: 51.12 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
119	1276470		
91	64.4	32.2	96.6
134	26.8	13.4	40.2

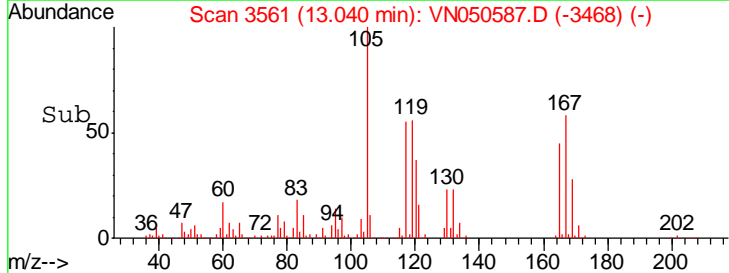
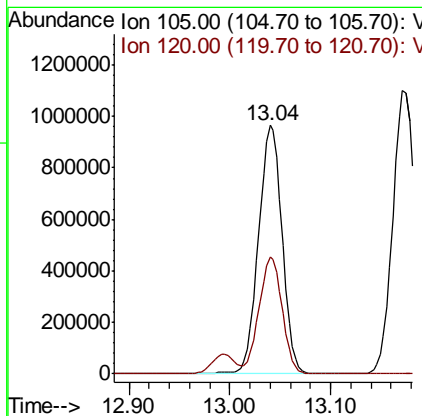
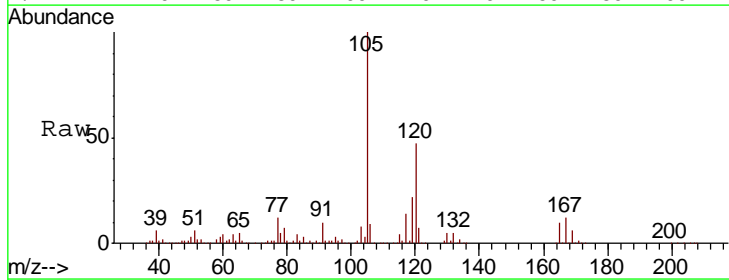
Manual Integrations
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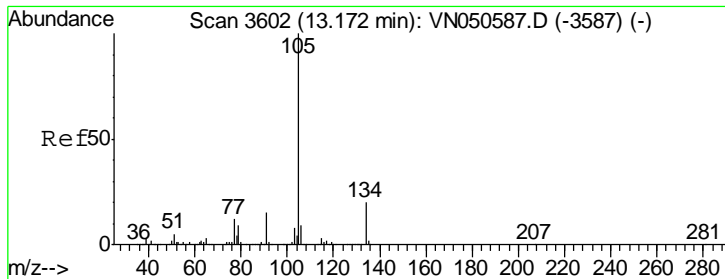
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.75 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
105	1561831		
120	46.3	23.2	69.5





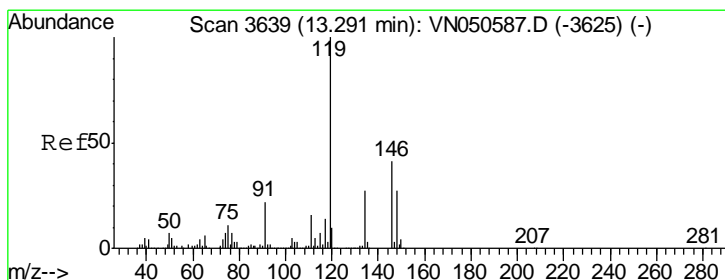
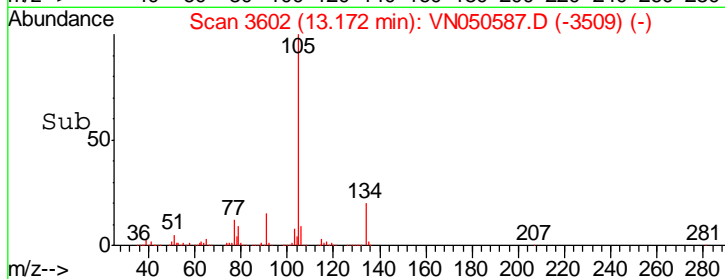
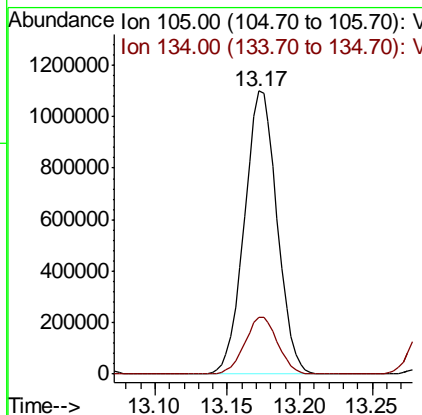
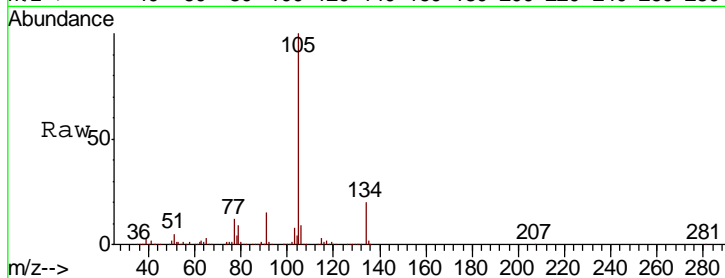
#85
 sec-Butylbenzene
 Concen: 51.66 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
105	1722820		
134	20.2	10.1	30.3

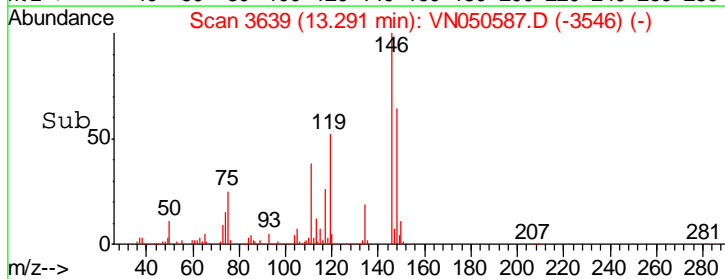
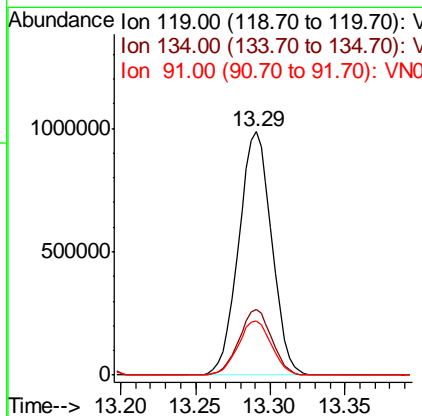
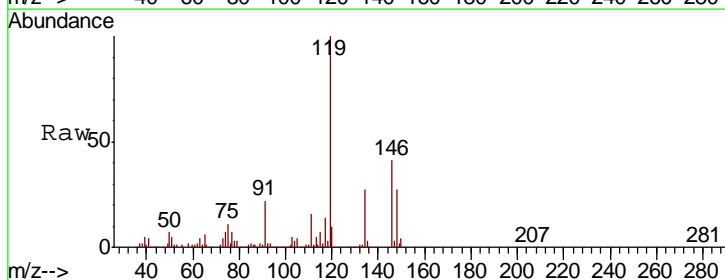
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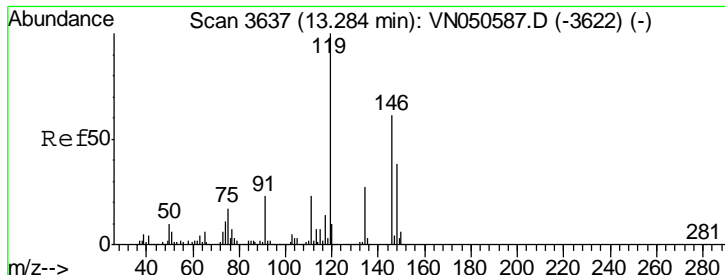
MMDadoda
 8/15/2018 3:21:11 PM



#86
 p-Isopropyltoluene
 Concen: 52.82 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
119	1507496		
134	26.9	13.5	40.4
91	22.4	11.2	33.6





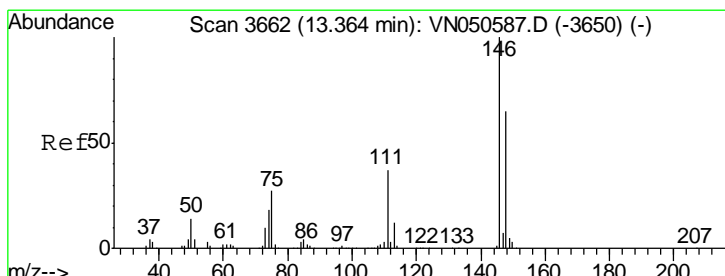
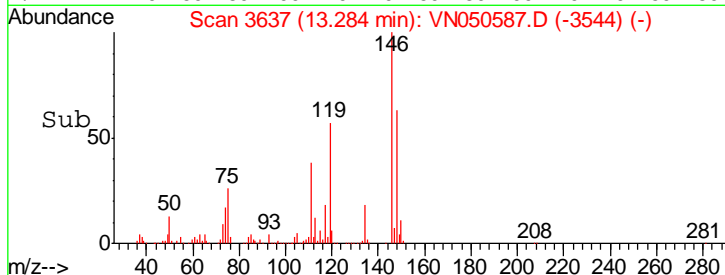
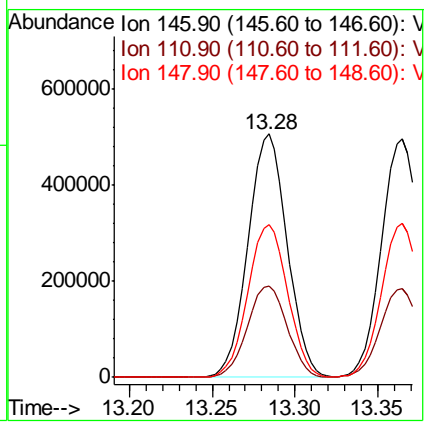
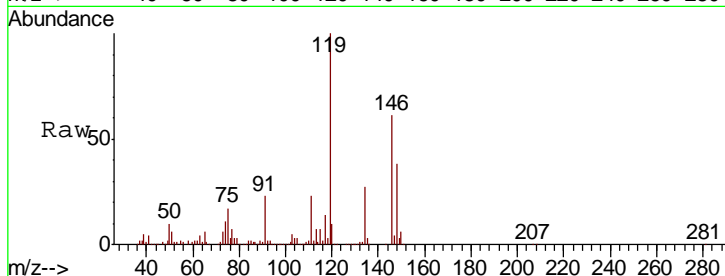
#87
 1,3-Dichlorobenzene
 Concen: 49.38 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	63.8	31.9	95.7

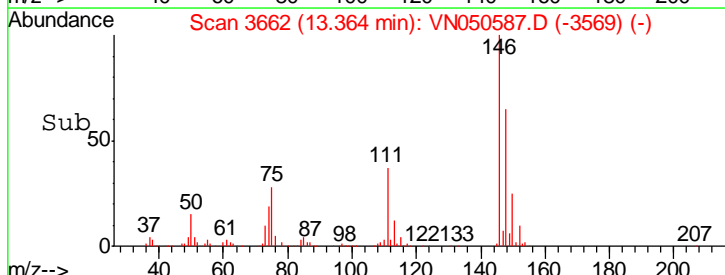
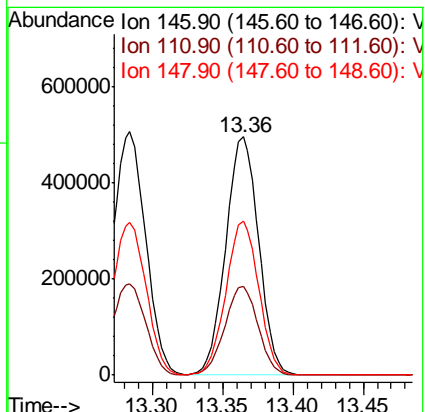
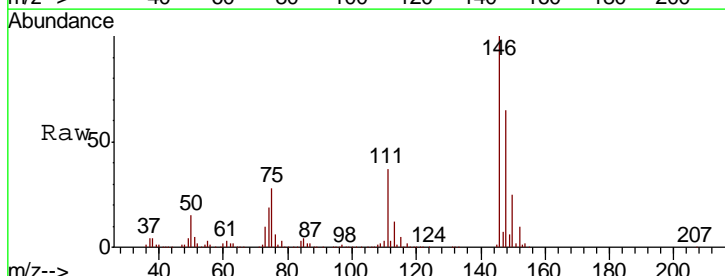
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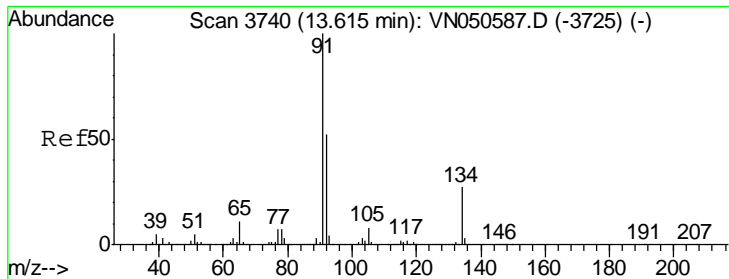
MMDadoda
 8/15/2018 3:21:11 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.22 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.5	32.3	96.8





#89
 n-Butylbenzene
 Concen: 49.61 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

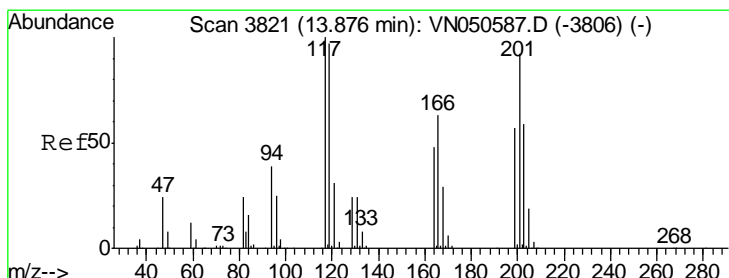
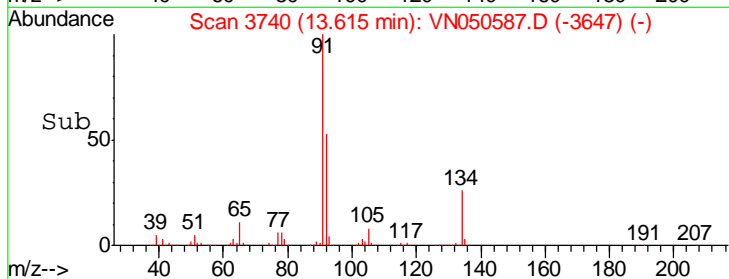
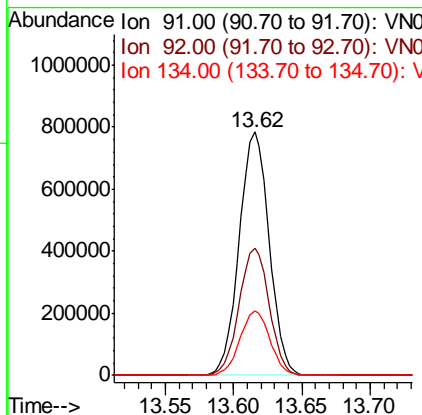
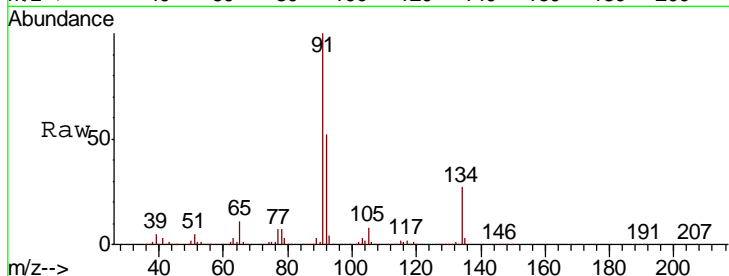
Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion: 91 Resp: 1196890

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	26.6	13.3	39.9

Manual Integrations
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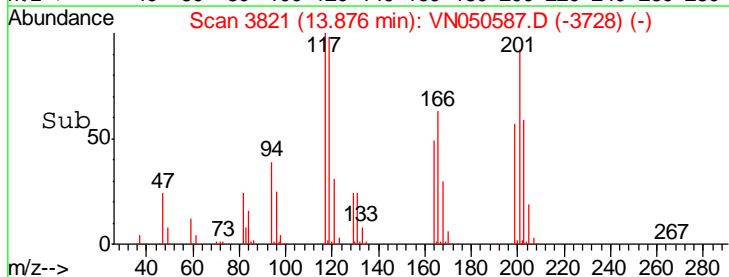
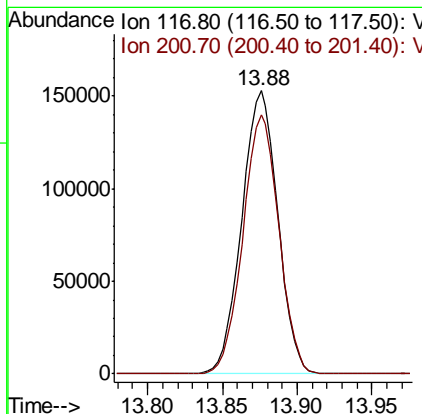
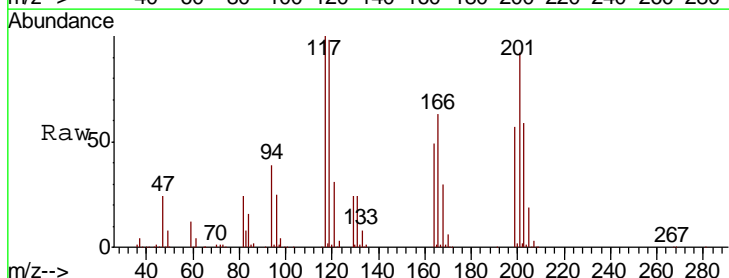
MMDadoda
 8/15/2018 3:21:11 PM

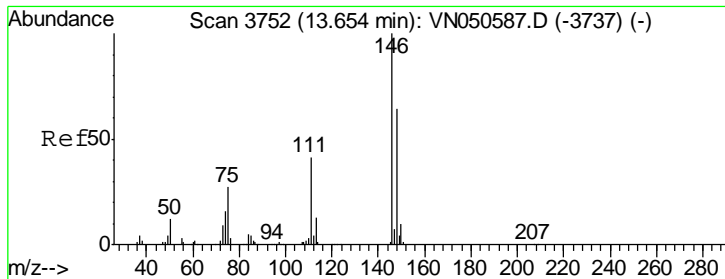


#90
 Hexachloroethane
 Concen: 50.10 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion: 117 Resp: 256592

Ion	Ratio	Lower	Upper
117	100		
201	91.0	45.5	136.5





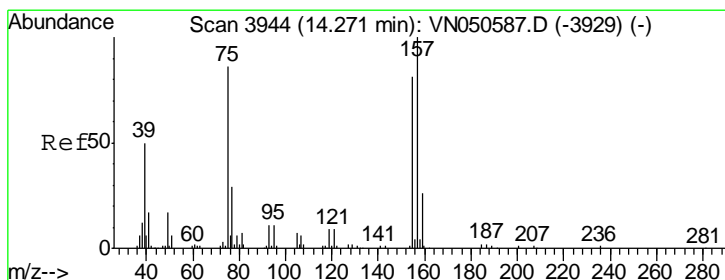
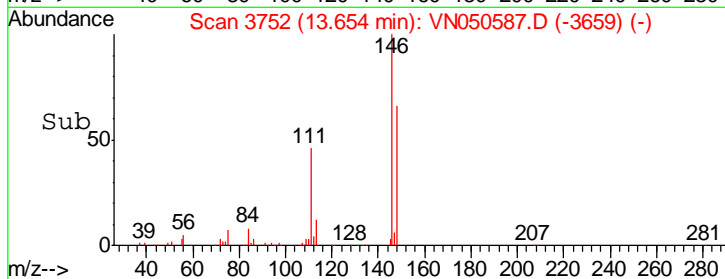
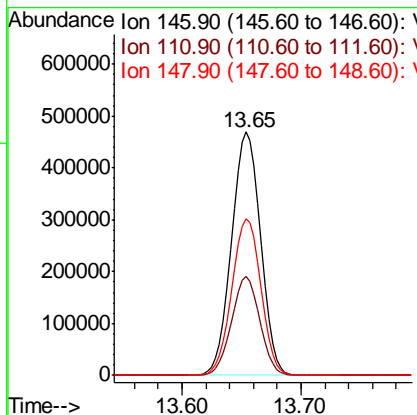
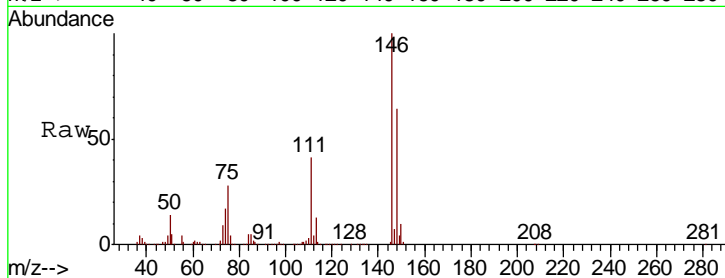
#91
 1,2-Dichlorobenzene
 Concen: 47.26 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.5	32.3	96.8

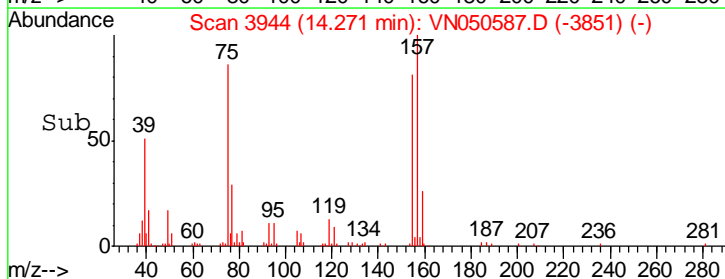
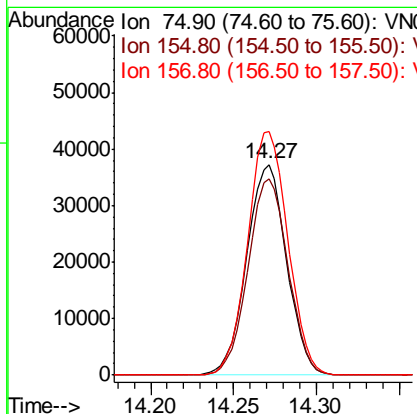
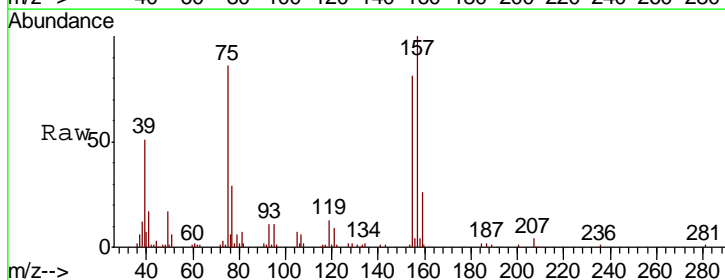
Manual Integrations
 APPROVED

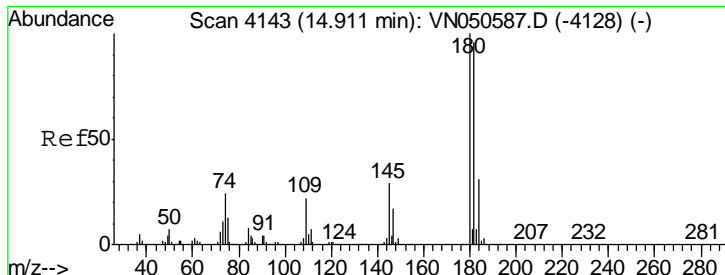
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 37.41 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
75	100		
155	93.2	46.6	139.8
157	116.1	58.1	174.2





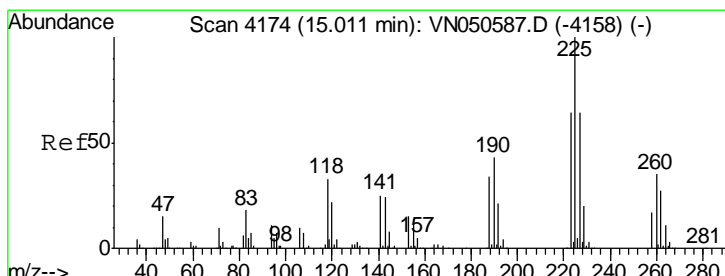
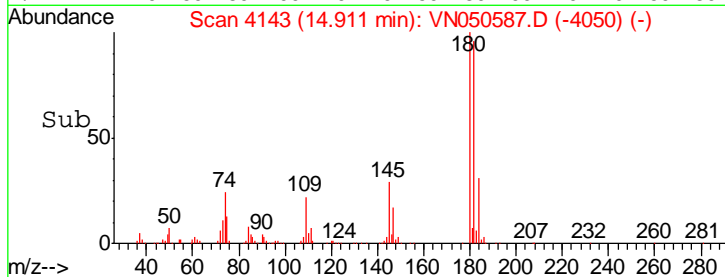
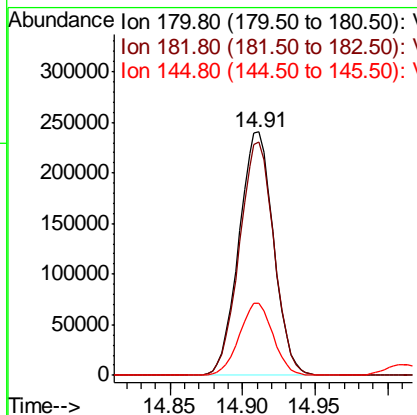
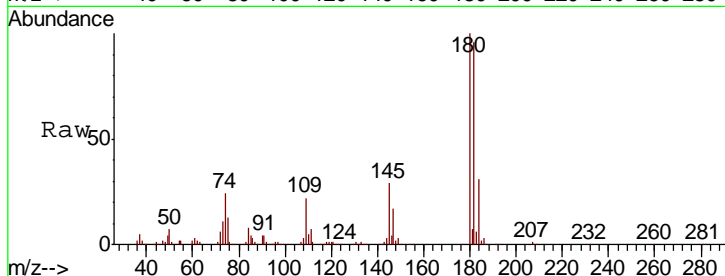
#93
 1,2,4-Trichlorobenzene
 Concen: 47.35 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument : MSVOA_N
 Client Sampled : VSTDICCC050

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	28.9	14.4	43.4

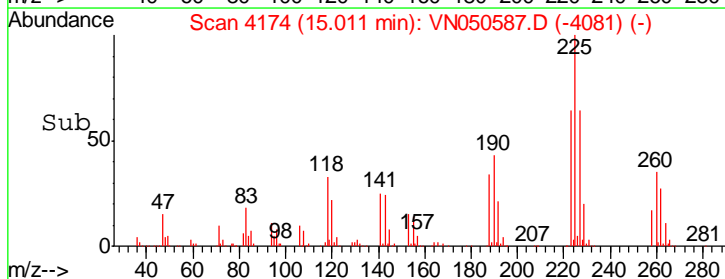
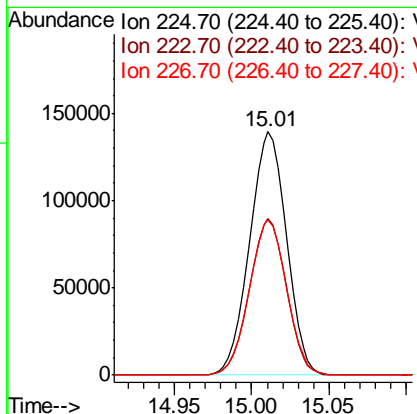
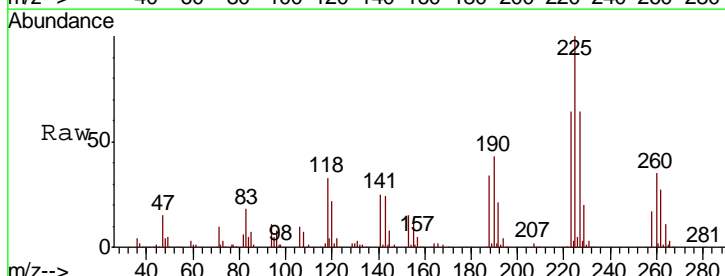
Manual Integrations
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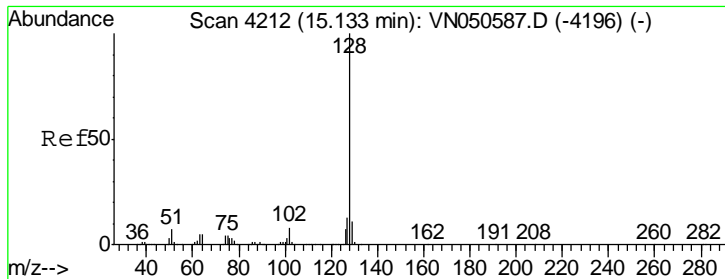
MMDadoda
 8/15/2018 3:21:11 PM



#94
 Hexachlorobutadiene
 Concen: 37.79 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
225	100		
223	64.2	32.1	96.3
227	64.1	32.0	96.2





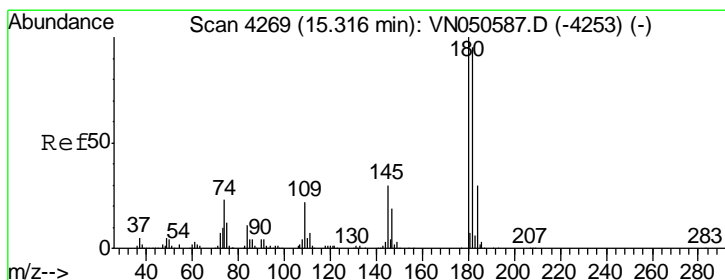
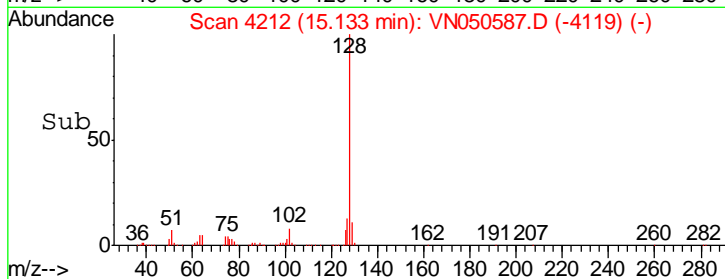
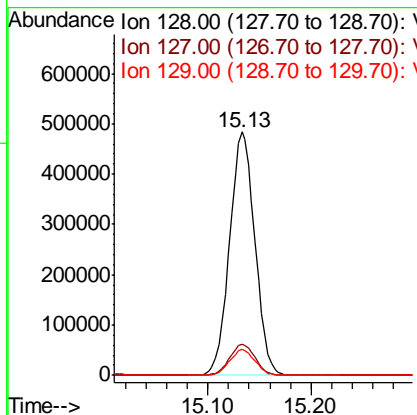
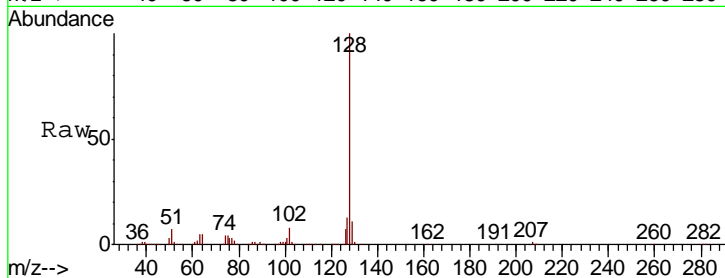
#95
 Naphthalene
 Concen: 43.33 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDICCC050

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.6	8.5	12.7

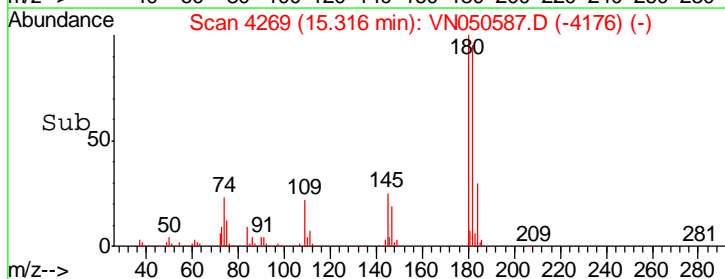
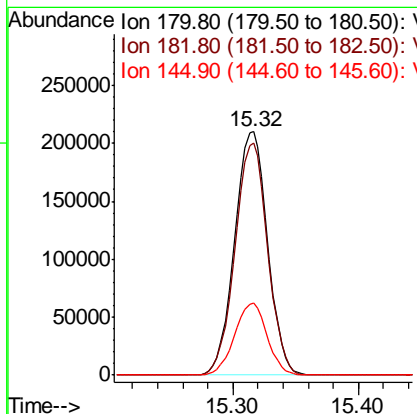
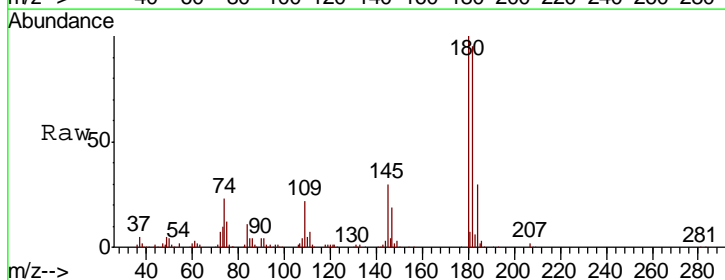
Manual Integrations
 APPROVED

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 8/15/2018 3:21:11 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 44.86 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050587.D
 Acq: 14 Aug 2018 1:00

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	29.3	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050588.D
 Acq On : 14 Aug 2018 1:24
 Operator : MD\SY
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Manual Integrations
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MMDadoda
 8/15/2018 3:21:42 PM

Quant Time: Aug 14 07:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	681038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	988476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	929864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	496968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	829902	91.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.84%	
35) Dibromofluoromethane	7.59	113	778900	98.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.14%	
50) Toluene-d8	10.09	98	3030842	101.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.04%	
62) 4-Bromofluorobenzene	12.40	95	1047670	103.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	730793	96.58	ug/l	98
3) Chloromethane	2.06	50	934650	92.51	ug/l	100
4) Vinyl Chloride	2.18	62	964327	98.35	ug/l	100
5) Bromomethane	2.55	94	568373	94.57	ug/l	99
6) Chloroethane	2.70	64	571456	95.02	ug/l	100
7) Trichlorofluoromethane	3.01	101	1224600	96.88	ug/l	100
8) Diethyl Ether	3.41	74	432719	94.17	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	742001	94.90	ug/l	99
10) Methyl Iodide	3.95	142	599205	158.65	ug/l	100
11) Tert butyl alcohol	4.79	59	235563	347.28	ug/l	100
12) 1,1-Dichloroethene	3.73	96	707211	96.15	ug/l	99
13) Acrolein	3.61	56	86980	119.84	ug/l	99
14) Allyl chloride	4.32	41	1139170	97.22	ug/l	99
15) Acrylonitrile	4.99	53	1274390	427.64	ug/l	100
16) Acetone	3.82	43	1067616	375.45	ug/l	98
17) Carbon Disulfide	4.05	76	2239777	93.62	ug/l	99
18) Methyl Acetate	4.33	43	589158	72.67	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1923283	93.75	ug/l	100
20) Methylene Chloride	4.55	84	813770	80.38	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	777271	97.71	ug/l	99
22) Diisopropyl ether	5.96	45	2418591	100.60	ug/l	98
23) Vinyl Acetate	5.90	43	8138272	481.97	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1429458	96.59	ug/l	100
25) 2-Butanone	6.84	43	1746630	403.54	ug/l	99
26) 2,2-Dichloropropane	6.83	77	937581	79.25	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	874509	99.34	ug/l	100
28) Bromochloromethane	7.20	49	680226	99.71	ug/l	99
29) Tetrahydrofuran	7.21	42	928065	399.70	ug/l	99
30) Chloroform	7.37	83	1414838	95.65	ug/l	100
31) Cyclohexane	7.65	56	1309725	88.37	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1228980	96.75	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1128387	104.04	ug/l	99
37) Ethyl Acetate	6.93	43	644980	85.93	ug/l	99
38) Carbon Tetrachloride	7.78	117	1105787	97.75	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050588.D
 Acq On : 14 Aug 2018 1:24
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Manual Integrations
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MMDadoda
 8/15/2018 3:21:42 PM

Quant Time: Aug 14 07:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1248983	105.56	ug/l	99
40) Benzene	8.04	78	3354198	100.46	ug/l	99
41) Methacrylonitrile	7.18	41	369121	91.08	ug/l	96
42) 1,2-Dichloroethane	8.13	62	995943	94.84	ug/l	100
43) Isopropyl Acetate	8.17	43	1144261	87.35	ug/l #	86
44) Trichloroethene	8.84	130	880452	98.04	ug/l	100
45) 1,2-Dichloropropane	9.12	63	871094	99.29	ug/l	99
46) Dibromomethane	9.21	93	506228	94.46	ug/l	98
47) Bromodichloromethane	9.40	83	1099646	98.09	ug/l	100
48) Methyl methacrylate	9.20	41	585609	89.55	ug/l	100
49) 1,4-Dioxane	9.20	88	156891	1578.31	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3983108	425.86	ug/l	100
52) Toluene	10.16	92	2099876	104.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1121829	100.79	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1288545	103.18	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	731444	94.36	ug/l	99
56) Ethyl methacrylate	10.43	69	969899	100.54	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1242645	97.56	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2307506	512.03	ug/l	100
59) 2-Hexanone	10.75	43	2668395	411.42	ug/l	99
60) Dibromochloromethane	10.90	129	855059	99.99	ug/l	99
61) 1,2-Dibromoethane	11.01	107	736686	96.84	ug/l	99
64) Tetrachloroethene	10.63	164	828130	95.46	ug/l	99
65) Chlorobenzene	11.43	112	2320753	99.50	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	846880	99.53	ug/l	99
67) Ethyl Benzene	11.51	91	4047102	107.33	ug/l	100
68) m/p-Xylenes	11.62	106	3094891	215.46	ug/l	99
69) o-Xylene	11.95	106	1498306	108.48	ug/l	100
70) Styrene	11.96	104	2483146	110.86	ug/l	100
71) Bromoform	12.13	173	593140	97.15	ug/l #	100
73) Isopropylbenzene	12.25	105	3963289	105.48	ug/l	100
74) N-amyl acetate	12.07	43	1036431	88.20	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	897256	84.59	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	808533m	90.03	ug/l	
77) Bromobenzene	12.53	156	1009227	100.39	ug/l	100
78) n-propylbenzene	12.59	91	4528598	106.58	ug/l	100
79) 2-Chlorotoluene	12.68	91	2674457	101.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3239718	106.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	229471	92.46	ug/l	99
82) 4-Chlorotoluene	12.77	91	2740743	104.73	ug/l	100
83) tert-Butylbenzene	12.99	119	2814820	106.29	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3325036	107.90	ug/l	99
85) sec-Butylbenzene	13.17	105	3687248	104.25	ug/l	99
86) p-Isopropyltoluene	13.29	119	3262447	107.78	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1786606	100.18	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1747856	98.25	ug/l	100
89) n-Butylbenzene	13.62	91	2692785	105.24	ug/l	100
90) Hexachloroethane	13.88	117	563638	103.78	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1689473	94.90	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	130946	74.04	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050588.D
 Acq On : 14 Aug 2018 1:24
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
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 8/15/2018 3:21:42 PM

Quant Time: Aug 14 07:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	934804	104.48	ug/l	100
94) Hexachlorobutadiene	15.01	225	494557	75.87	ug/l	98
95) Naphthalene	15.13	128	1994372	98.57	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	866071	95.78	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

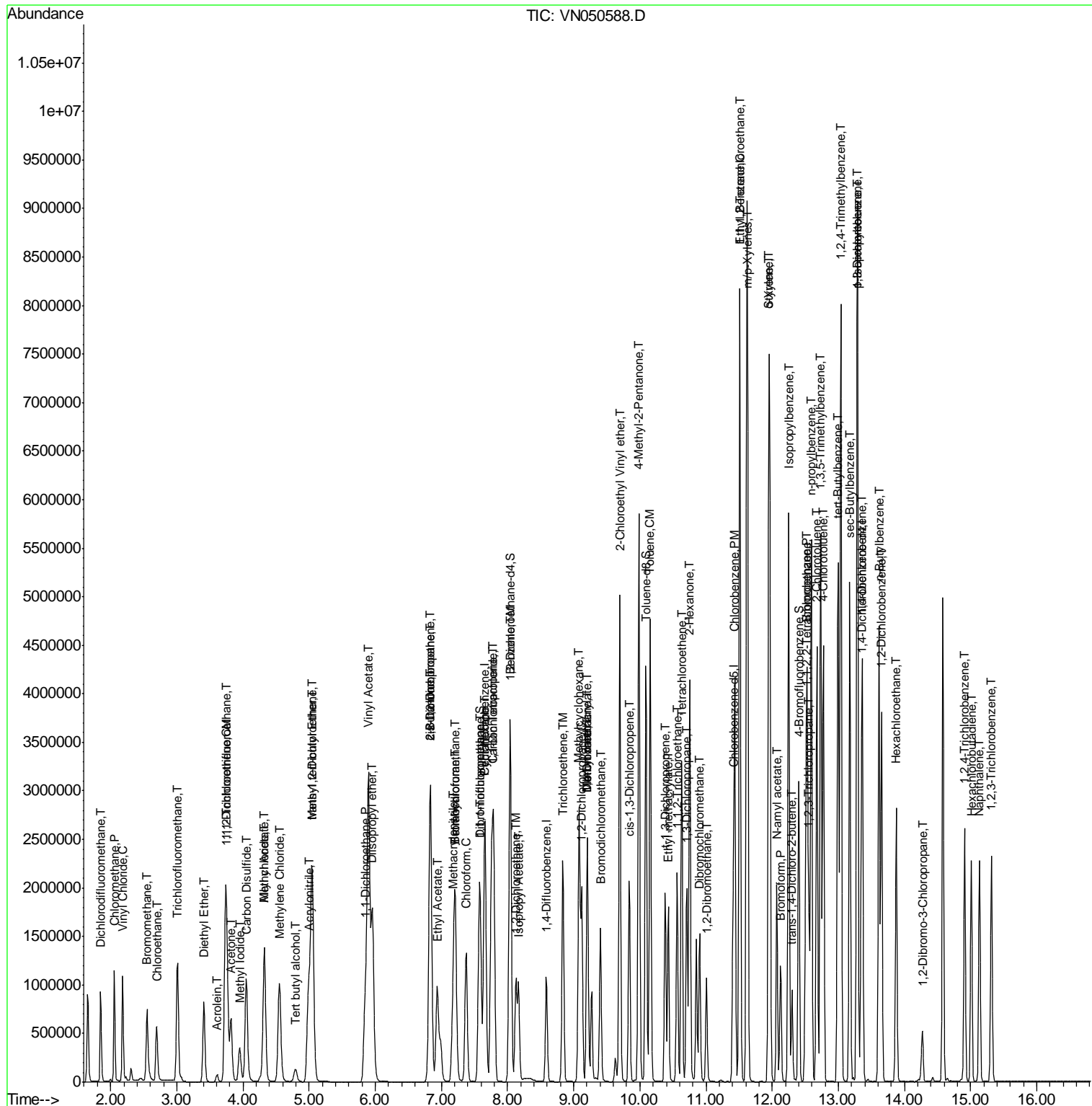
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 Data File : VN050588.D
 Acq On : 14 Aug 2018 1:24
 Operator : MD\SY
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC100

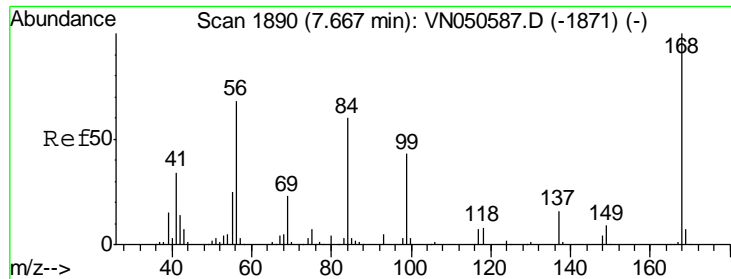
Manual Integrations
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 8/15/2018 3:21:42 PM

Quant Time: Aug 14 07:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration



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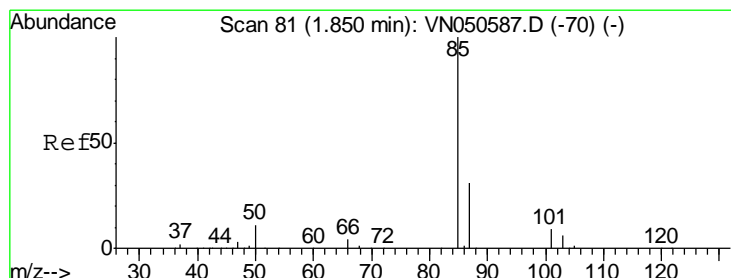
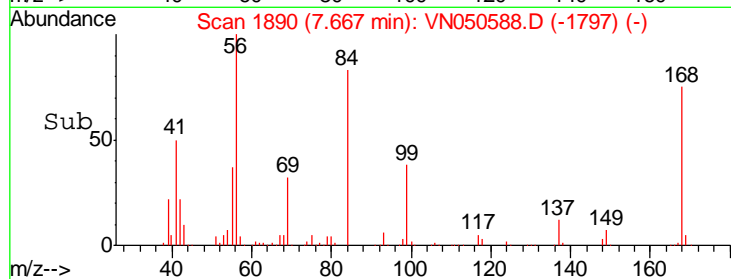
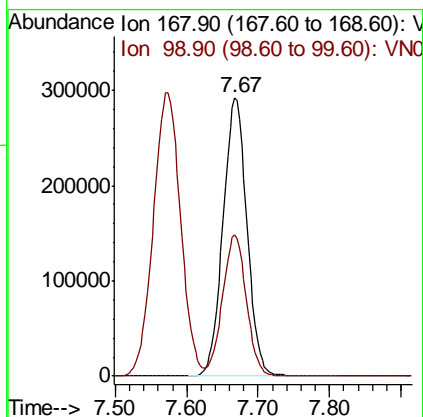
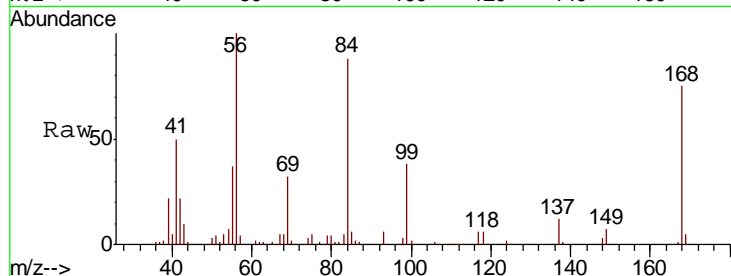
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.4	40.8	61.2

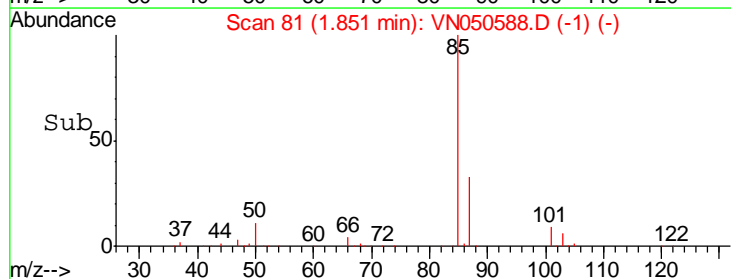
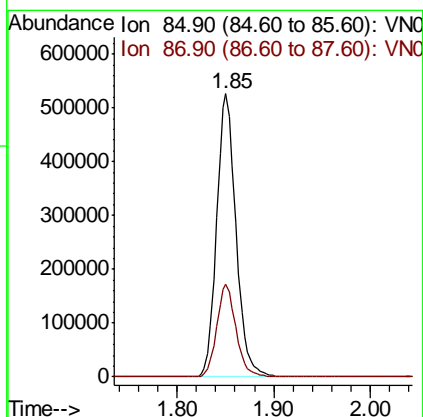
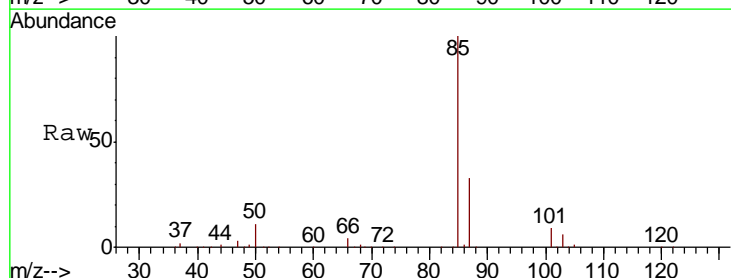
Manual Integrations
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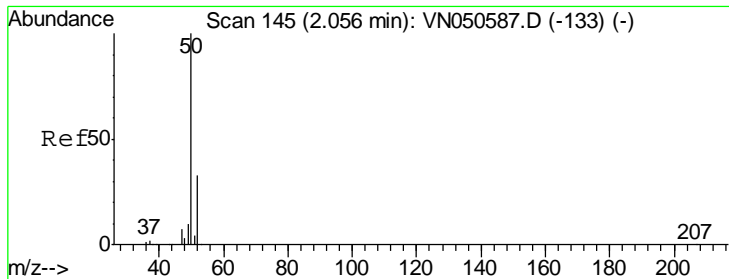
MMDadoda
 8/15/2018 3:21:42 PM



#2
 Dichlorodifluoromethane
 Concen: 96.58 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.8	15.8	47.3





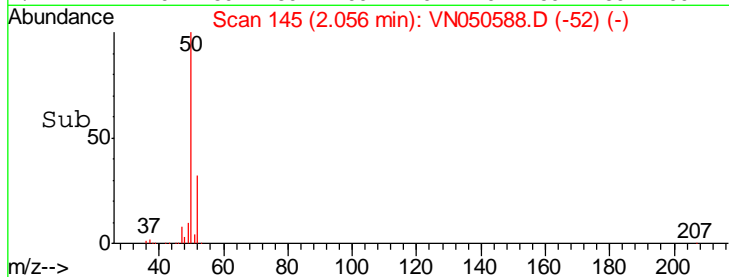
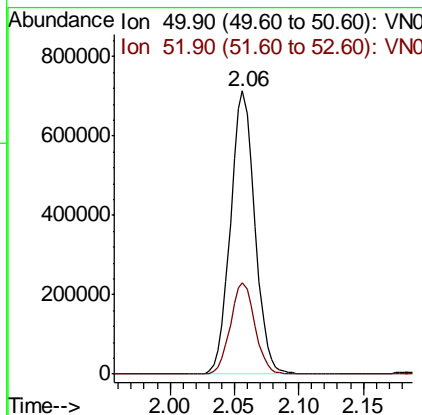
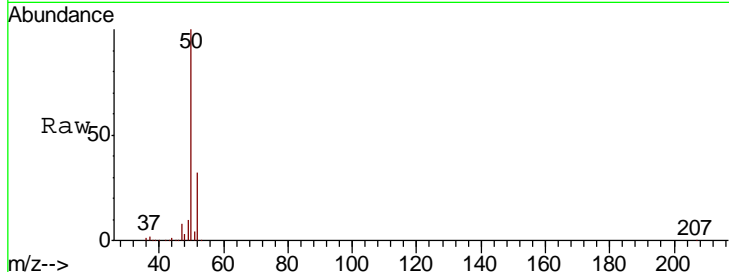
#3
 Chloromethane
 Concen: 92.51 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
50	100		
52	32.4	26.0	39.0

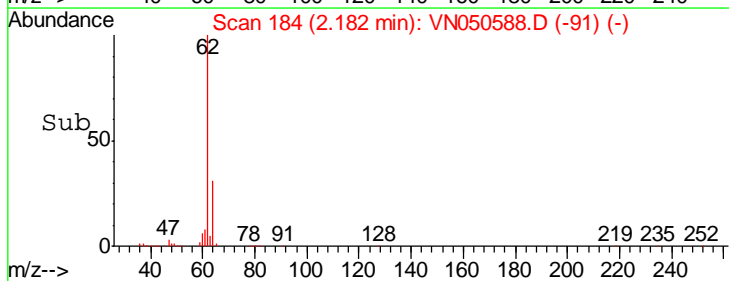
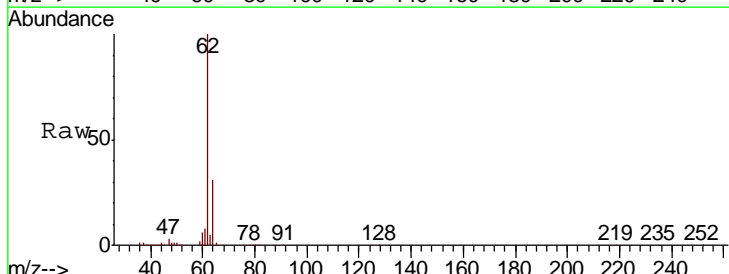
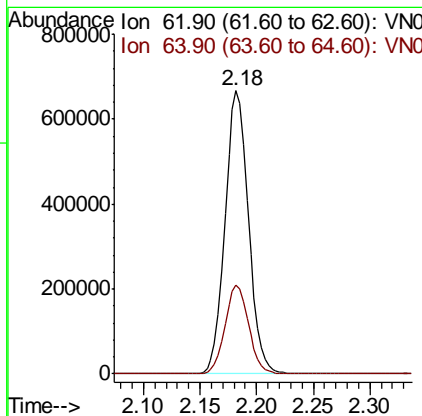
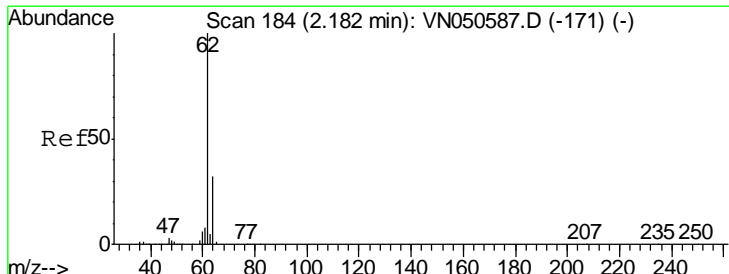
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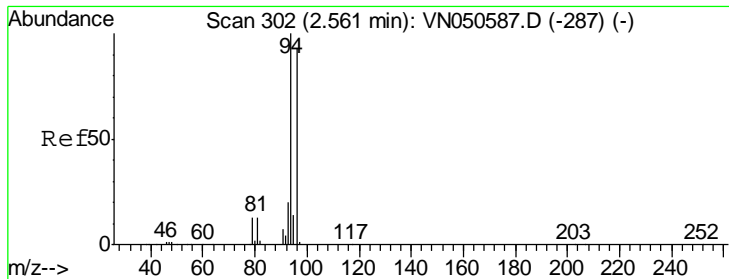
MMDadoda
 8/15/2018 3:21:42 PM



#4
 Vinyl Chloride
 Concen: 98.35 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.4	25.2	37.8





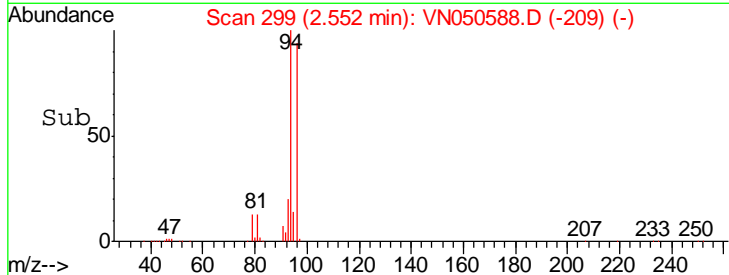
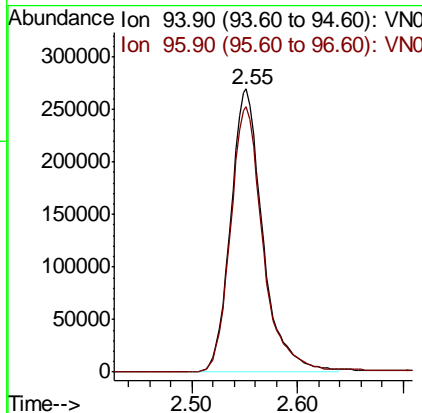
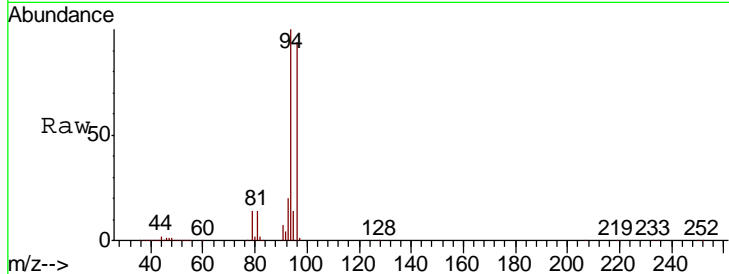
#5
 Bromomethane
 Concen: 94.57 ug/l
 RT: 2.55 min Scan# 299
 Delta R.T. -0.01 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.9	74.0	111.0

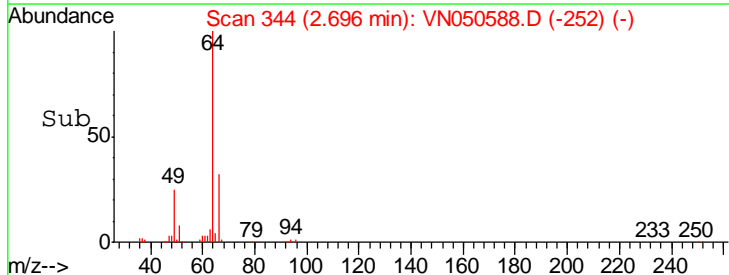
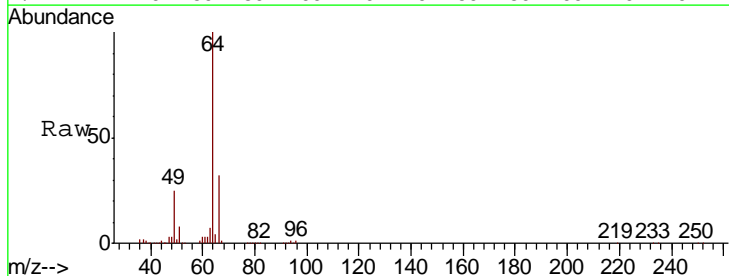
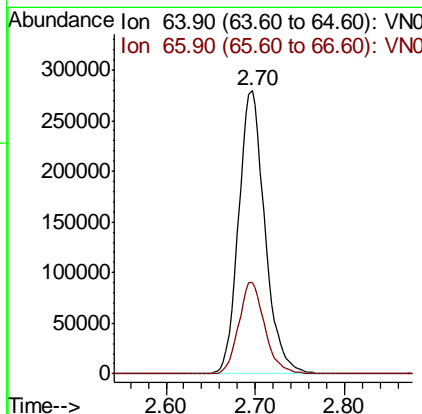
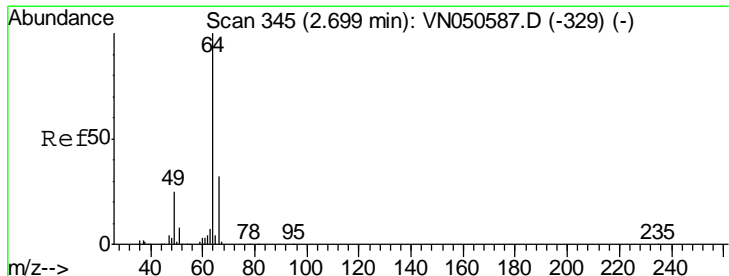
Manual Integrations
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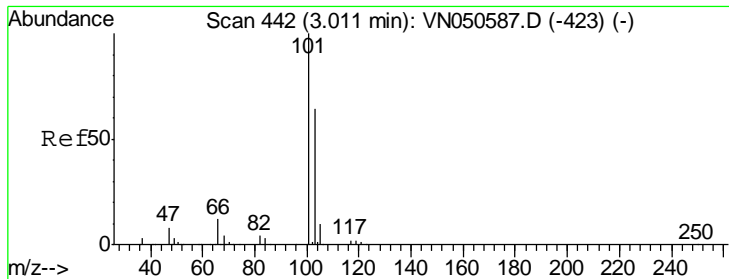
MMDadoda
 8/15/2018 3:21:42 PM



#6
 Chloroethane
 Concen: 95.02 ug/l
 RT: 2.70 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.2	25.7	38.5





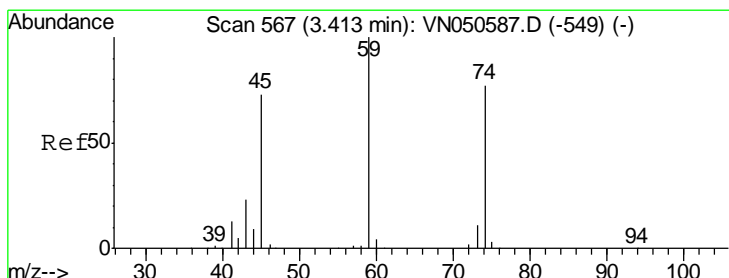
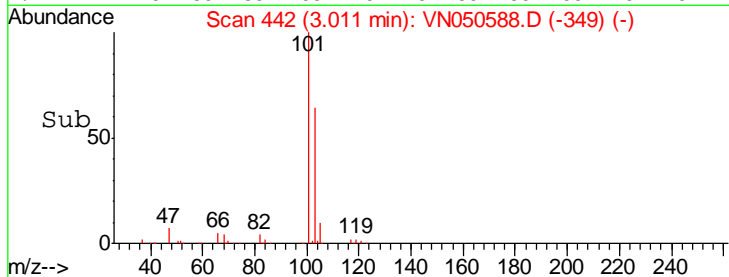
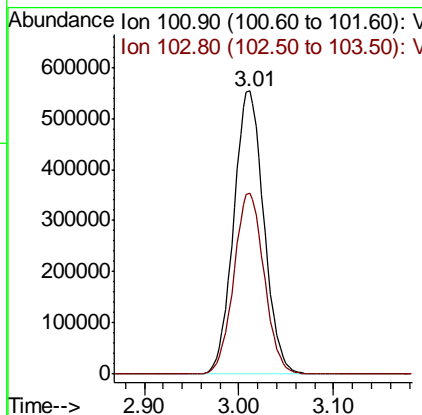
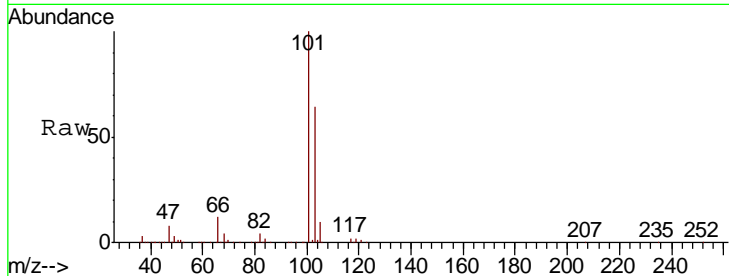
#7
 Trichlorofluoromethane
 Concen: 96.88 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
101	100		
103	64.0	51.4	77.0

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

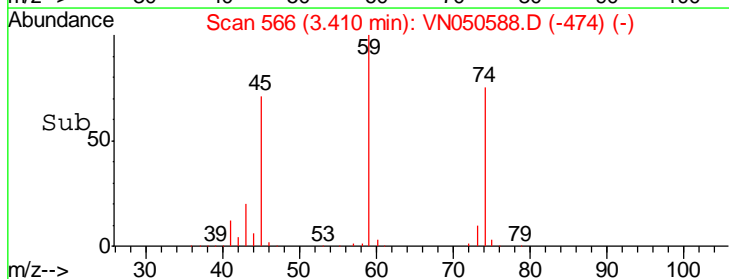
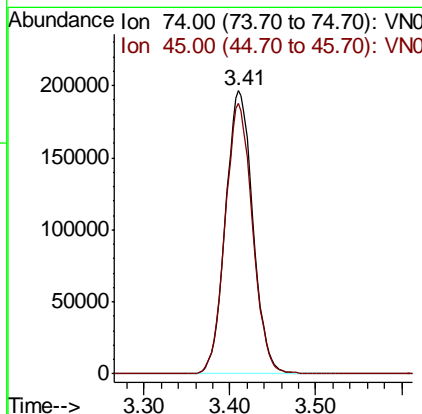
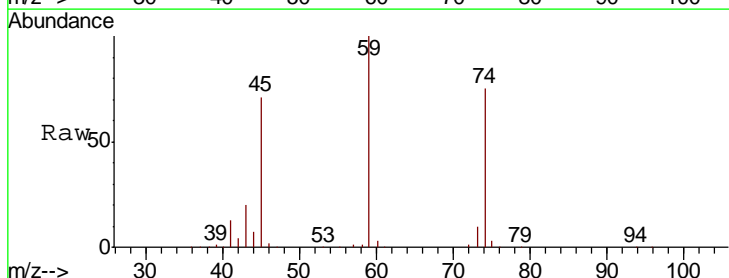
Manual Integrations
 APPROVED

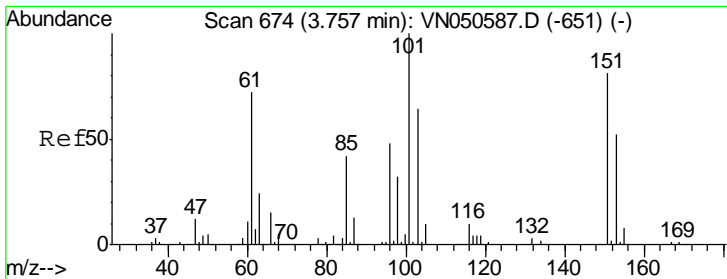
MMDadoda
 8/15/2018 3:21:42 PM



#8
 Diethyl Ether
 Concen: 94.17 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
74	100		
45	95.6	48.0	144.2





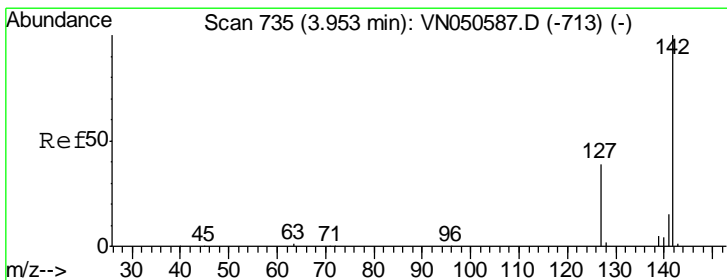
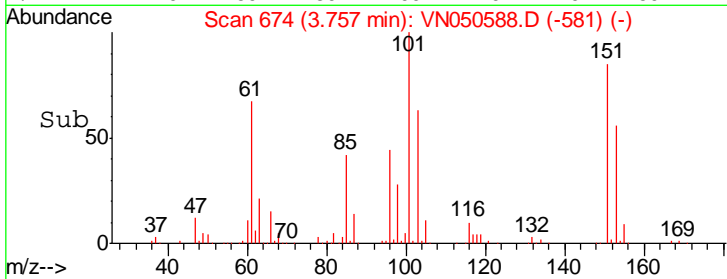
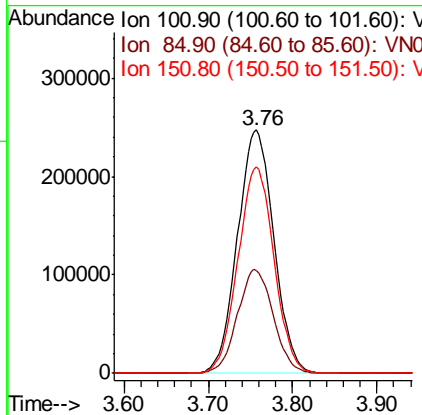
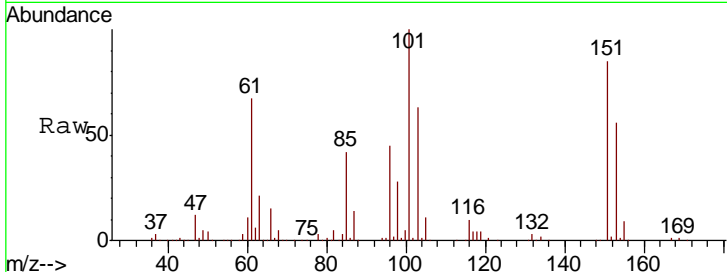
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 94.90 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
101	742001		
101	100		
85	42.1	33.4	50.0
151	84.0	66.6	100.0

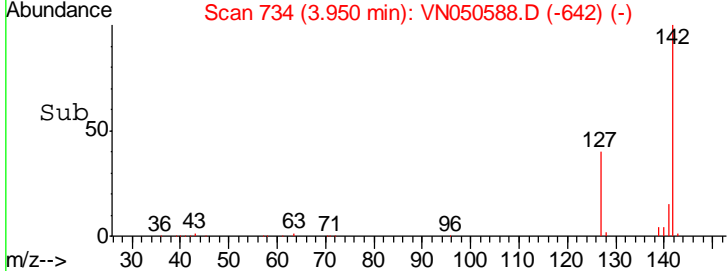
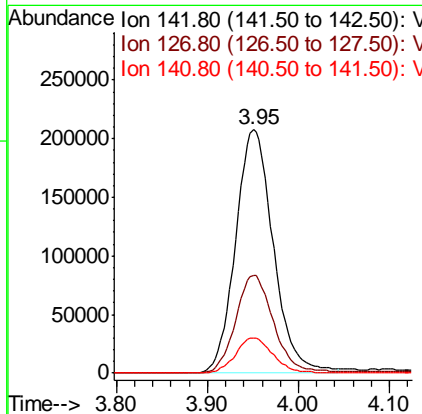
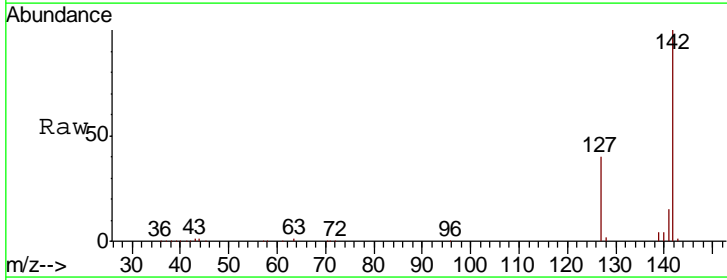
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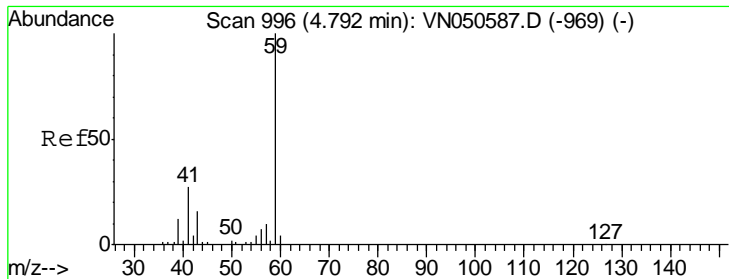
MMDadoda
 8/15/2018 3:21:42 PM



#10
 Methyl Iodide
 Concen: 158.65 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
142	599205		
142	100		
127	40.7	32.6	49.0
141	14.3	11.5	17.3





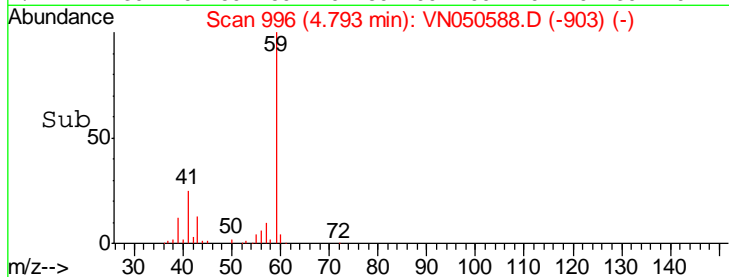
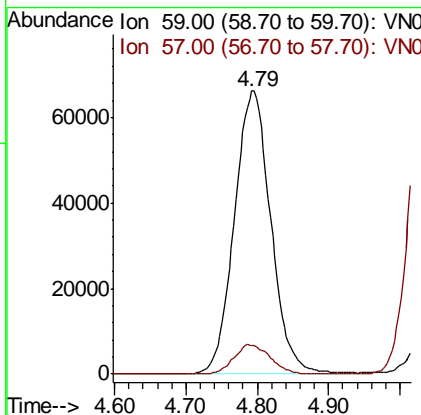
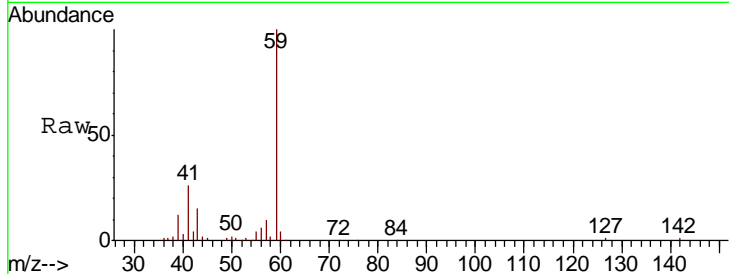
#11
 Tert butyl alcohol
 Concen: 347.28 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
59	100		
57	10.4	8.4	12.6

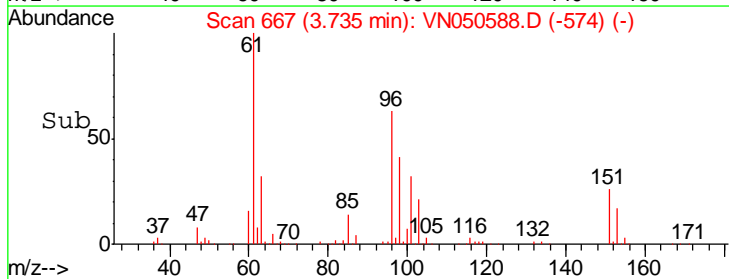
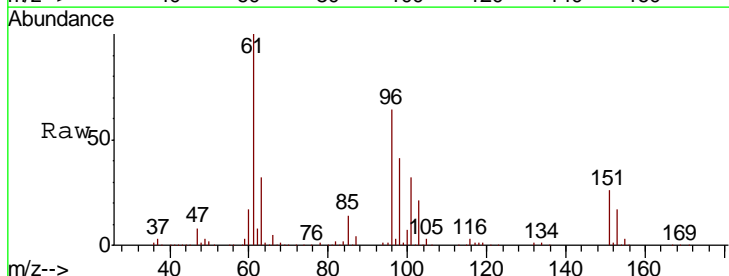
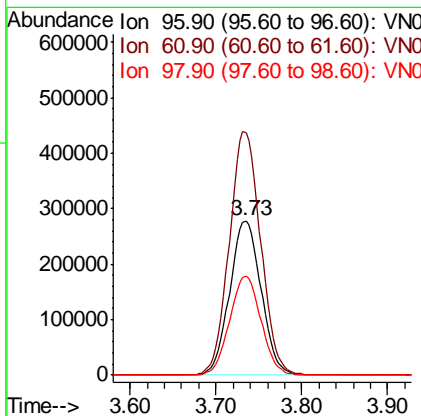
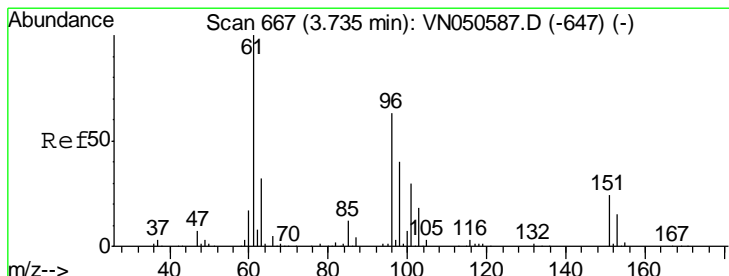
Manual Integrations
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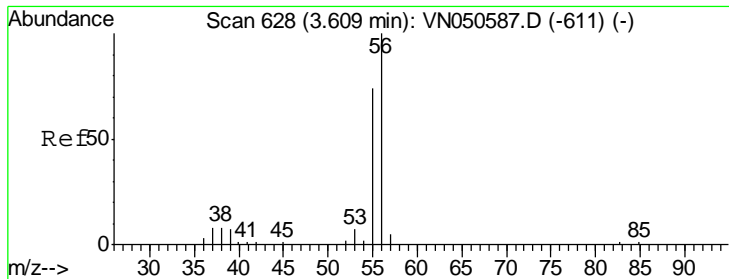
MMDadoda
 8/15/2018 3:21:42 PM



#12
 1,1-Dichloroethene
 Concen: 96.15 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
96	100		
61	157.3	126.9	190.3
98	64.5	51.1	76.7





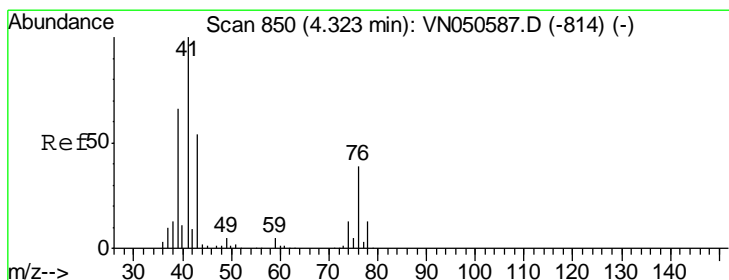
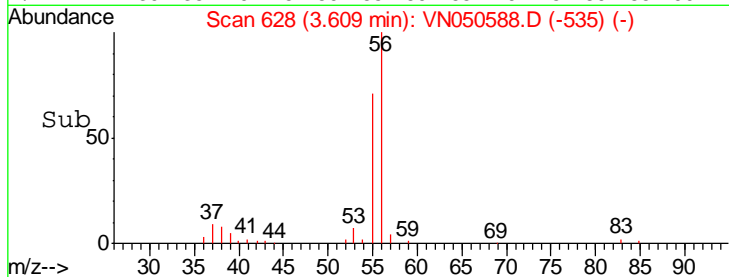
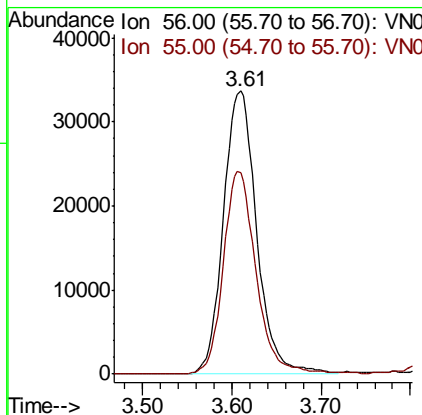
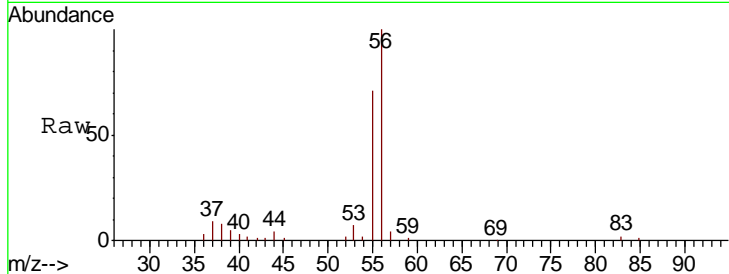
#13
 Acrolein
 Concen: 119.84 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
56	100		
55	69.9	56.3	84.5

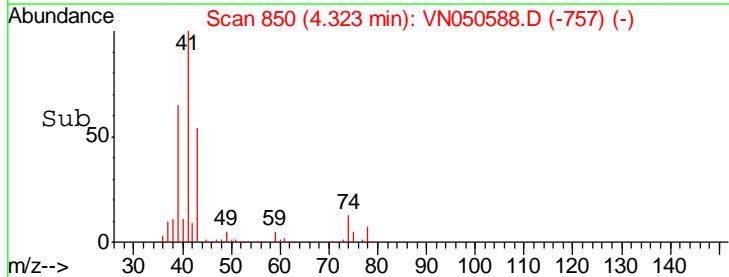
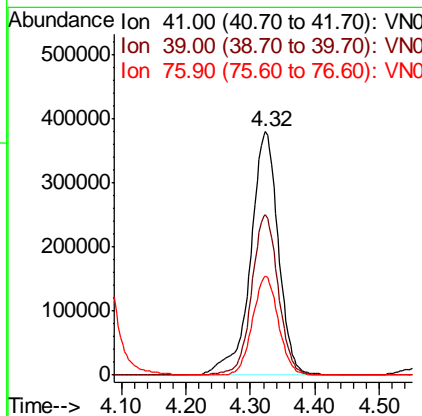
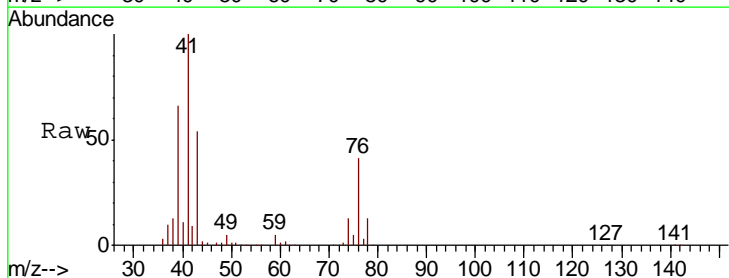
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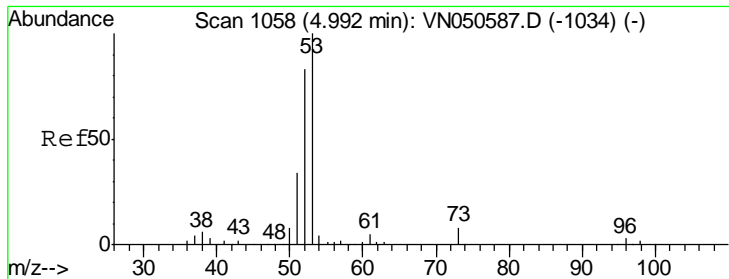
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#14
 Allyl chloride
 Concen: 97.22 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
41	100		
39	63.1	51.4	77.0
76	37.4	29.4	44.0





#15
 Acrylonitrile
 Concen: 427.64 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

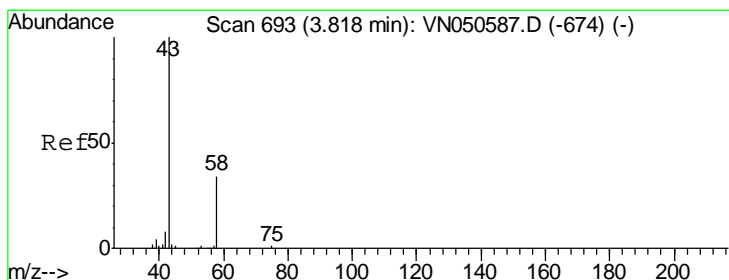
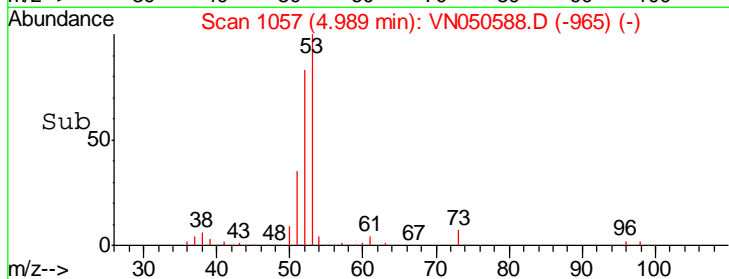
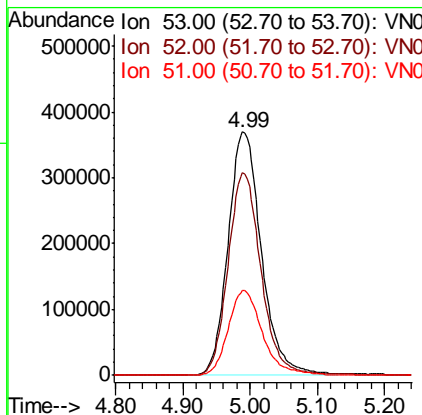
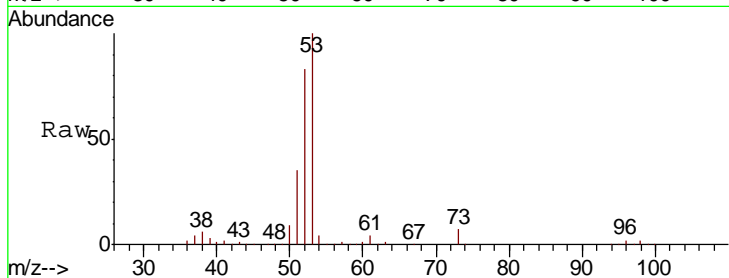
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 53 Resp: 1274390

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	36.1	28.6	43.0

Manual Integrations
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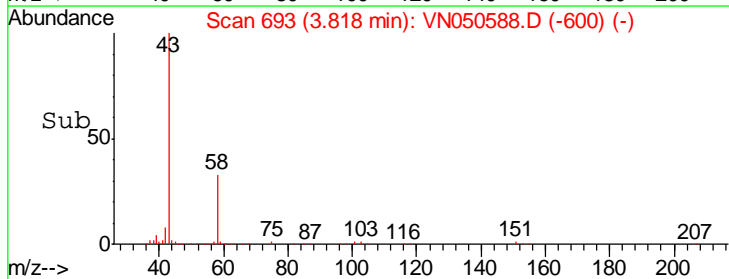
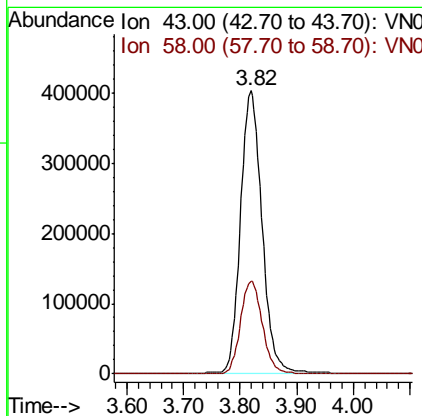
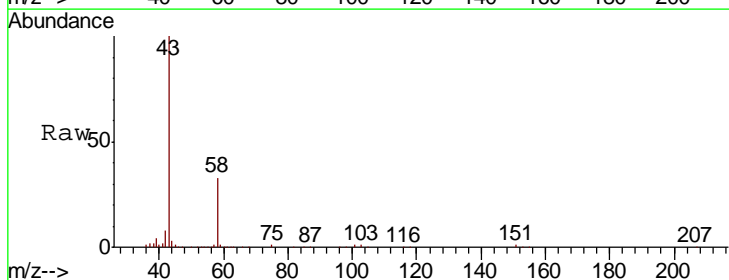
MMDadoda
 8/15/2018 3:21:42 PM

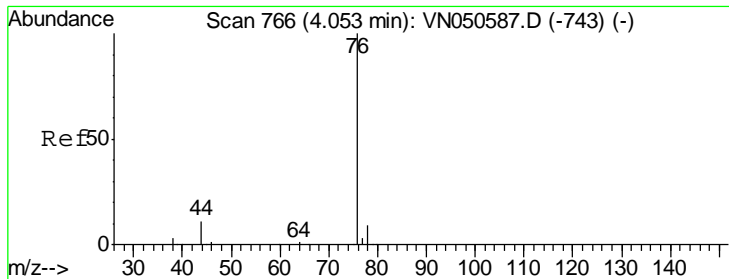


#16
 Acetone
 Concen: 375.45 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 43 Resp: 1067616

Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.1	40.7





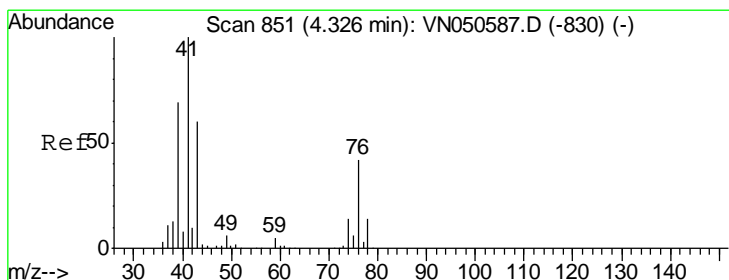
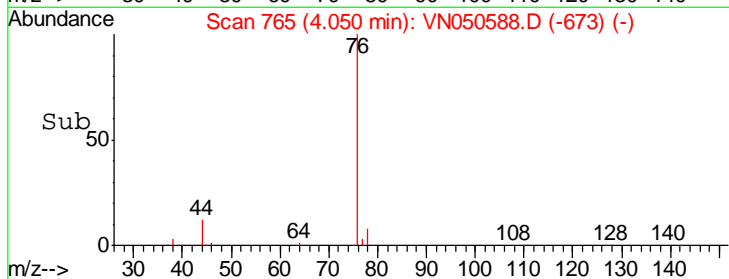
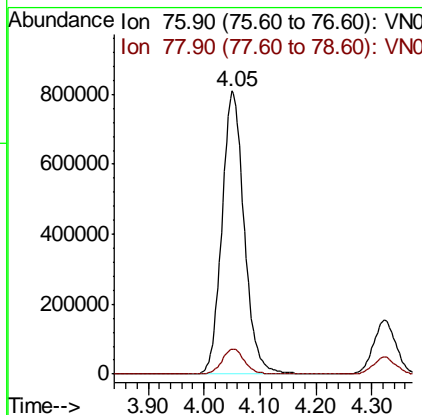
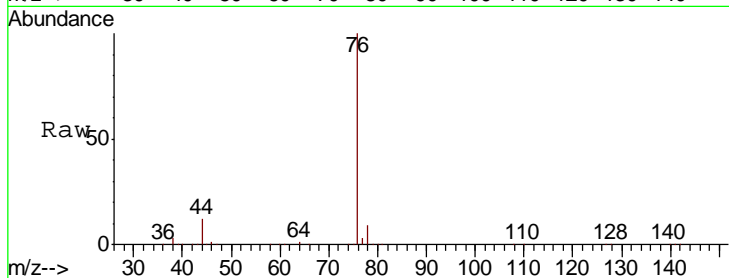
#17
 Carbon Disulfide
 Concen: 93.62 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	100		
78	8.9	7.3	10.9

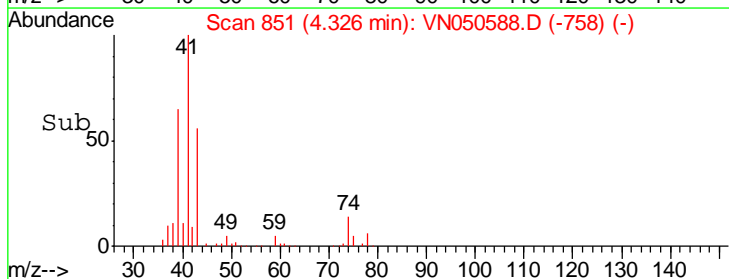
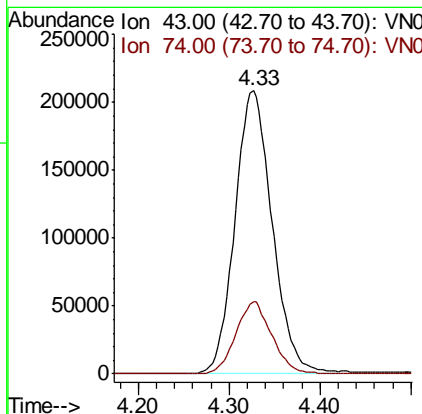
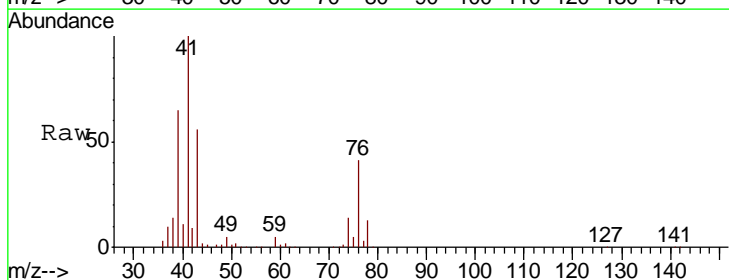
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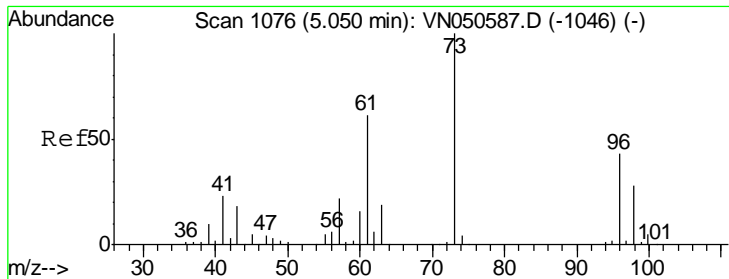
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#18
 Methyl Acetate
 Concen: 72.67 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
43	100		
74	25.0	19.7	29.5





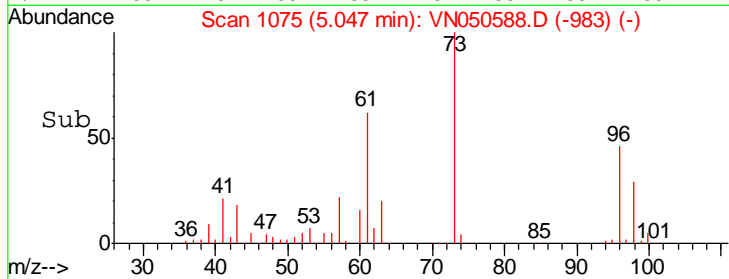
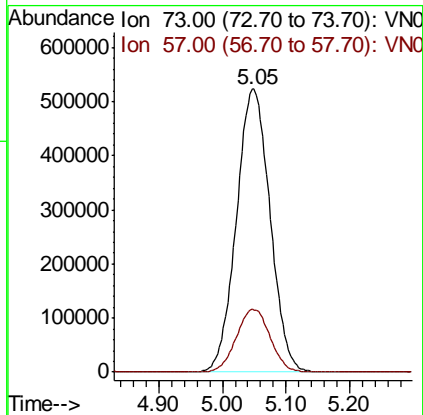
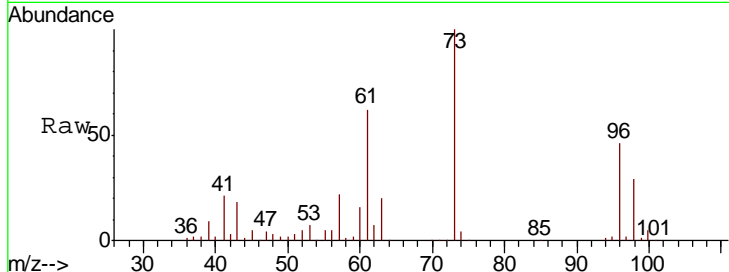
#19
 Methyl tert-butyl Ether
 Concen: 93.75 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 73 Resp: 1923283

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

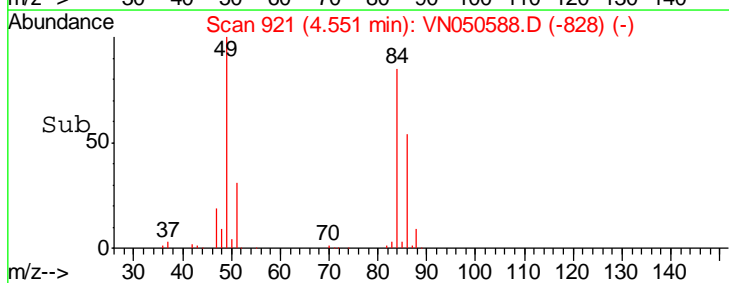
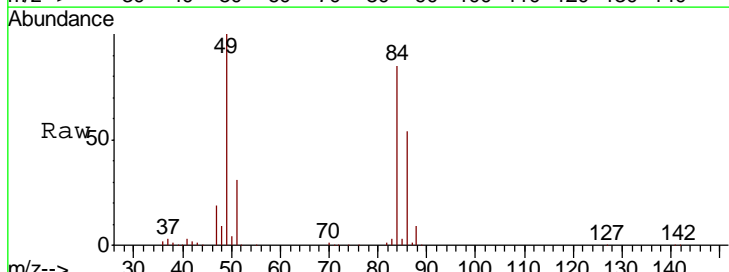
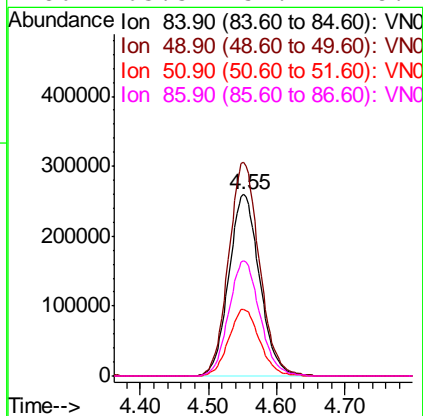
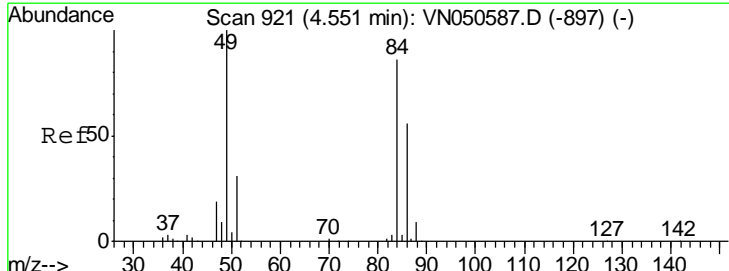
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 8/15/2018 3:21:42 PM

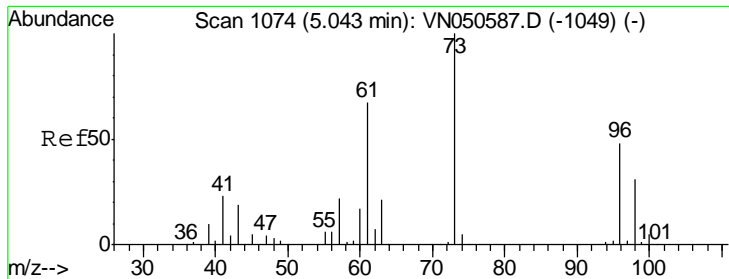


#20
 Methylene Chloride
 Concen: 80.38 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 84 Resp: 813770

Ion	Ratio	Lower	Upper
84	100		
49	117.8	92.6	138.8
51	36.6	28.6	43.0
86	63.5	52.2	78.2





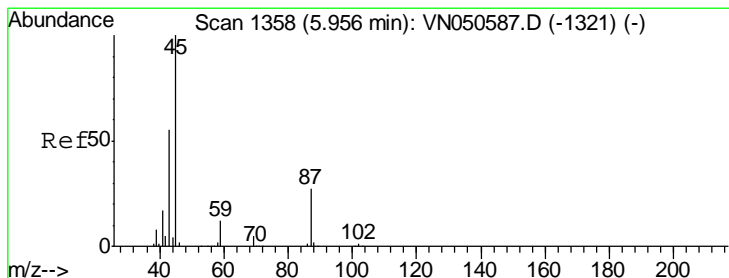
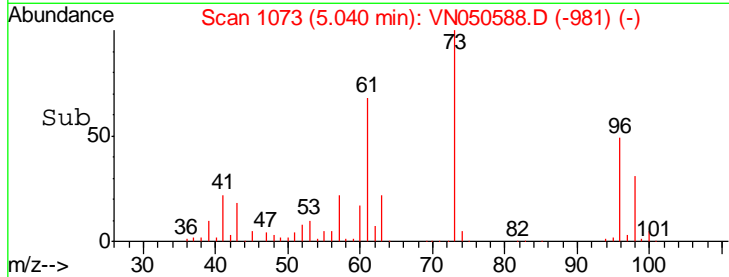
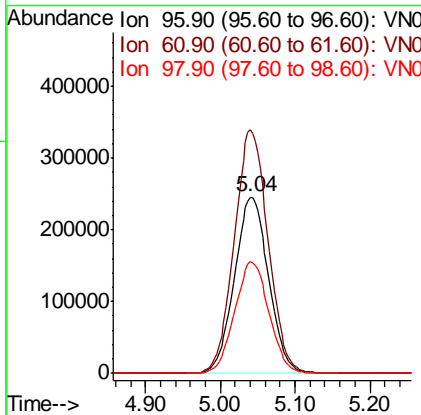
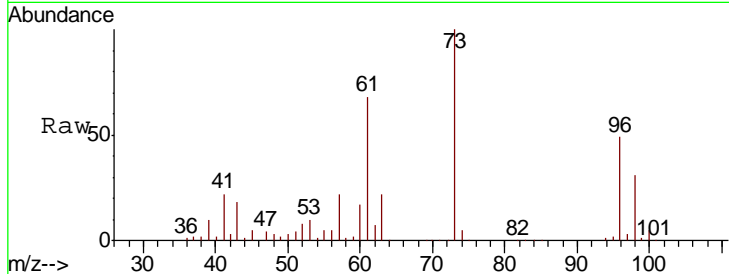
#21
 trans-1,2-Dichloroethene
 Concen: 97.71 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	777271		
96	100		
61	138.3	111.2	166.8
98	63.2	51.6	77.4

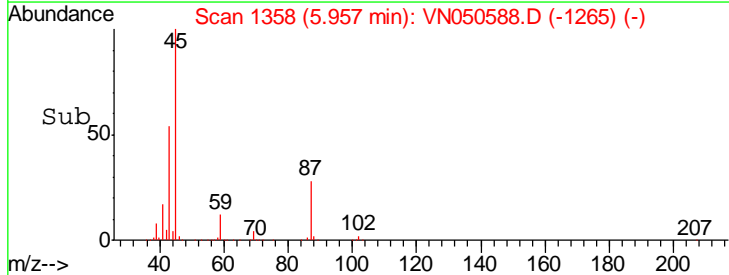
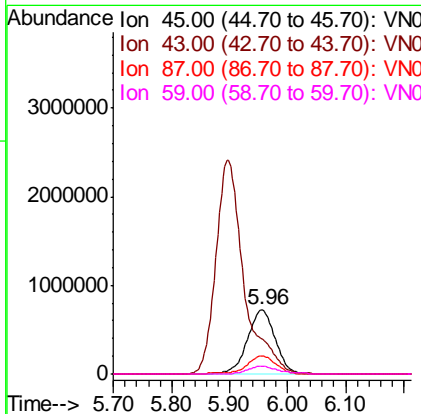
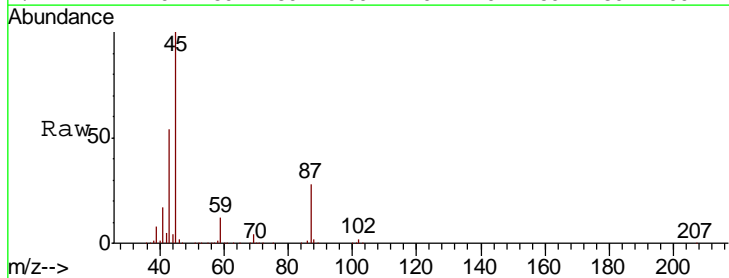
Manual Integrations
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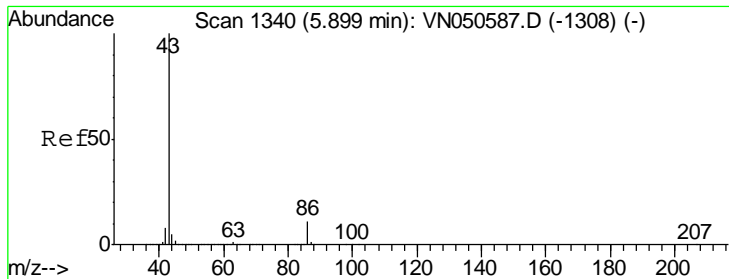
MMDadoda
 8/15/2018 3:21:42 PM



#22
 Diisopropyl ether
 Concen: 100.60 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
45	2418591		
45	100		
43	53.8	44.5	66.7
87	28.2	22.2	33.2
59	11.9	9.5	14.3





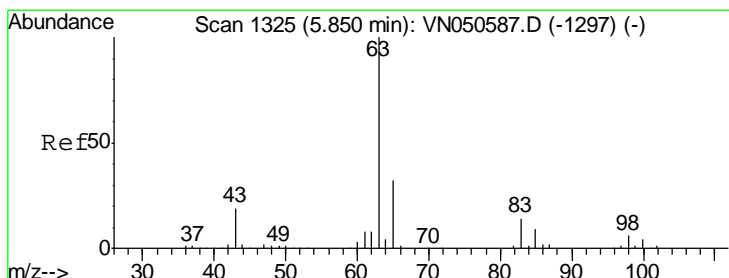
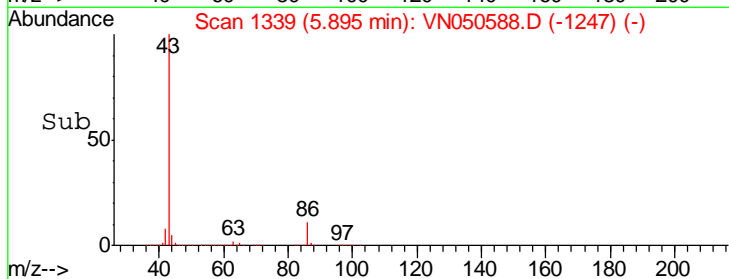
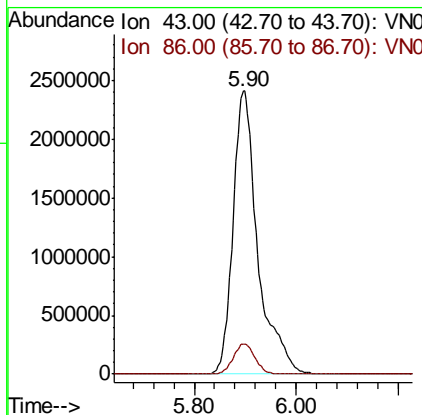
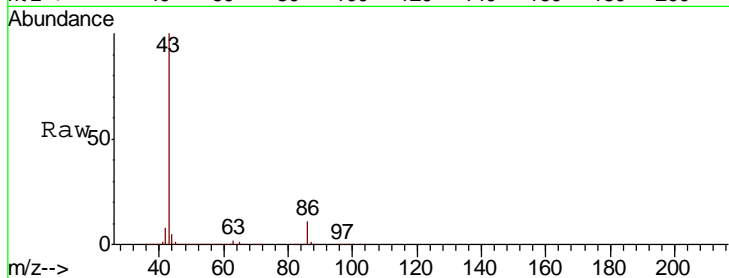
#23
 Vinyl Acetate
 Concen: 481.97 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.8	8.4	12.6

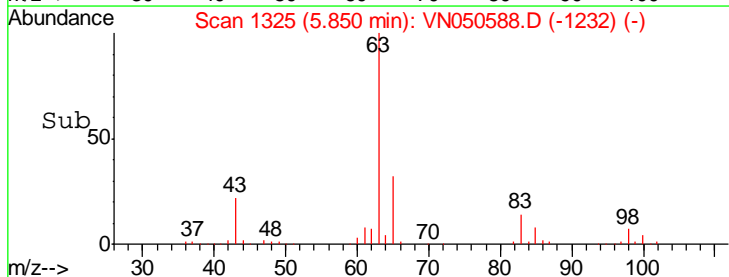
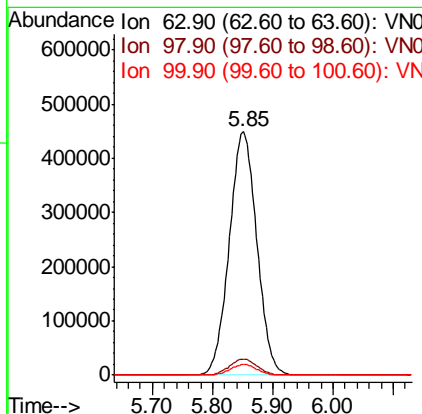
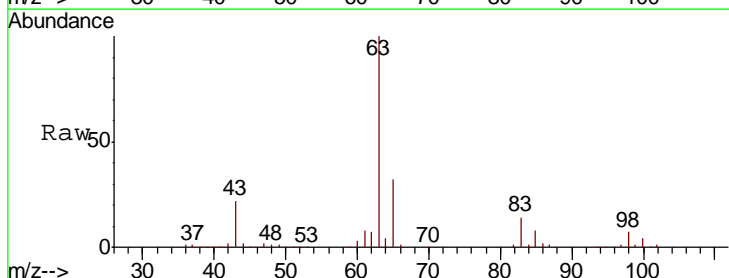
Manual Integrations
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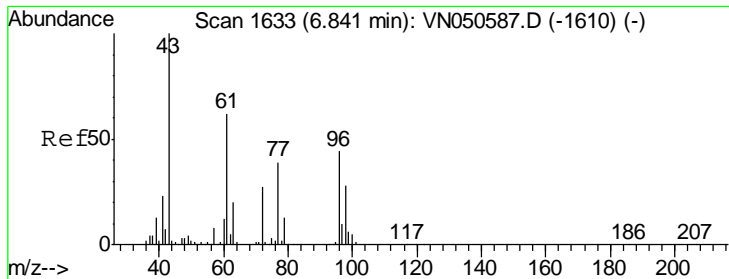
MMDadoda
 8/15/2018 3:21:42 PM



#24
 1,1-Dichloroethane
 Concen: 96.59 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.6	3.2	9.6
100	4.4	2.1	6.5





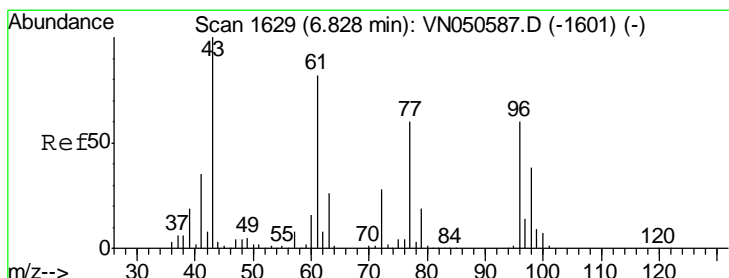
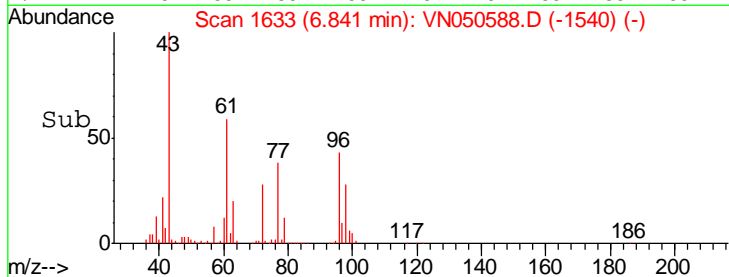
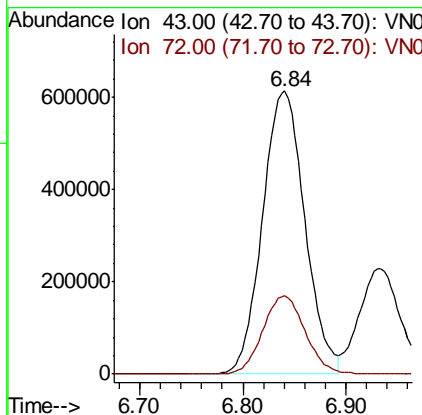
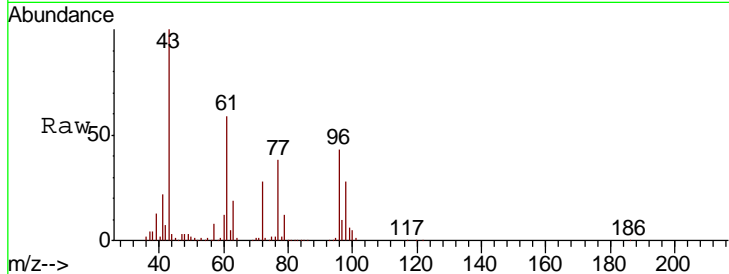
#25
 2-Butanone
 Concen: 403.54 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.6	21.8	32.6

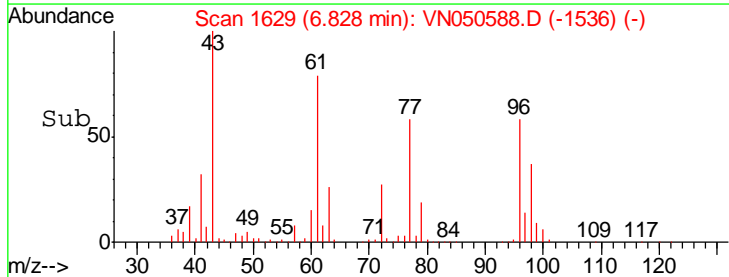
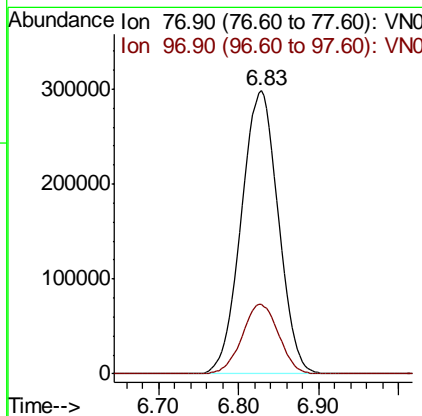
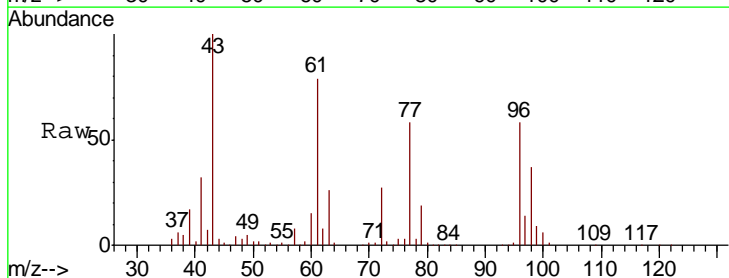
Manual Integrations
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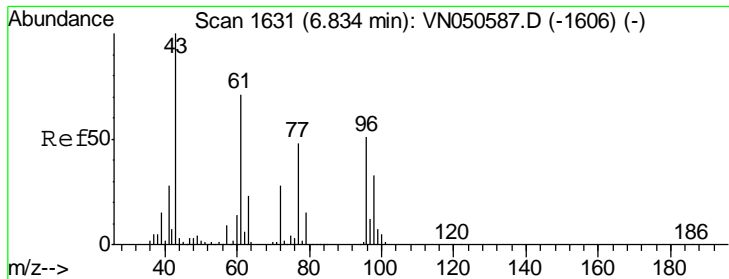
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 79.25 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.3	12.2	36.4





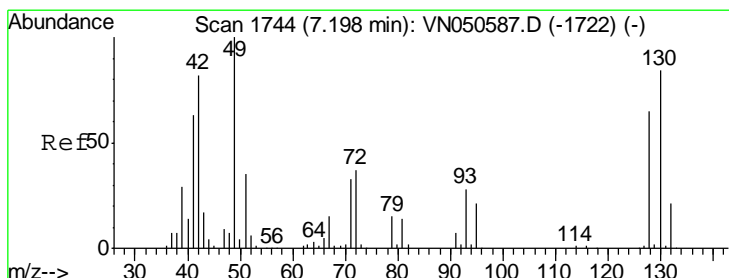
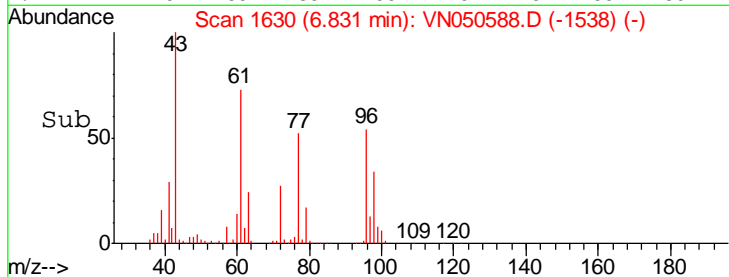
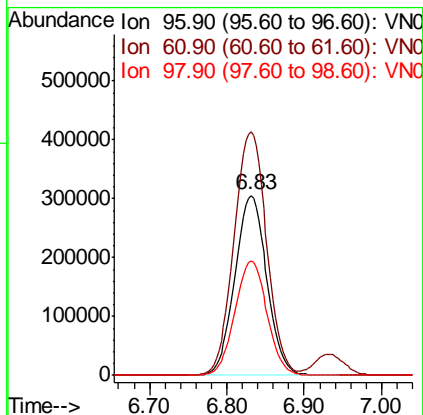
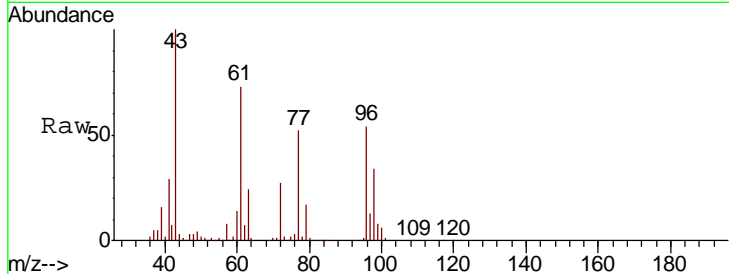
#27
 cis-1,2-Dichloroethene
 Concen: 99.34 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
96	874509		
96	100		
61	138.6	0.0	278.2
98	64.0	0.0	128.8

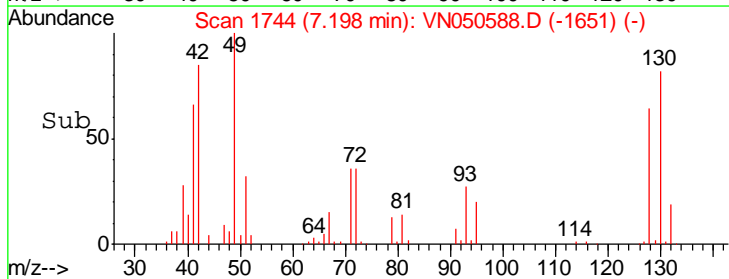
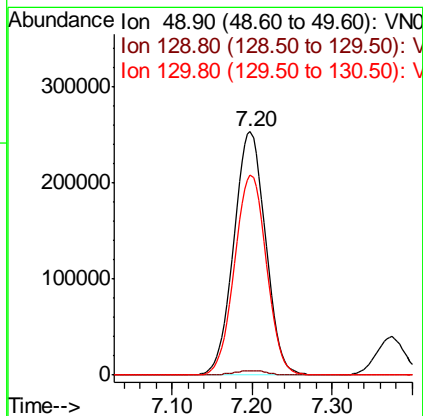
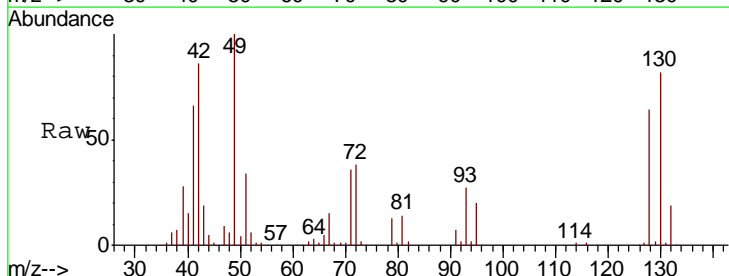
Manual Integrations
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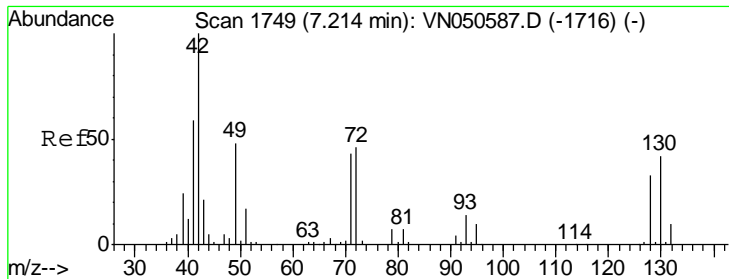
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#28
 Bromochloromethane
 Concen: 99.71 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
49	680226		
49	100		
129	2.0	0.0	4.2
130	82.5	66.8	100.2





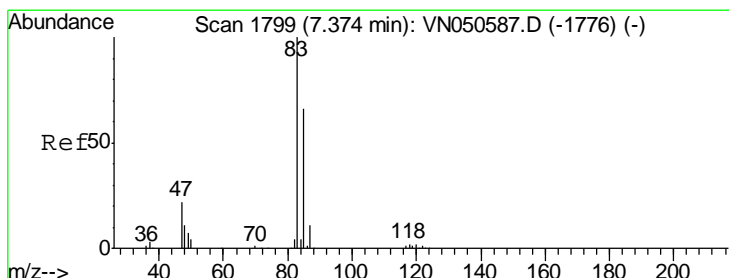
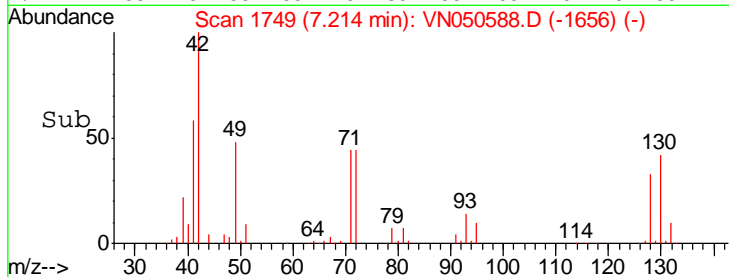
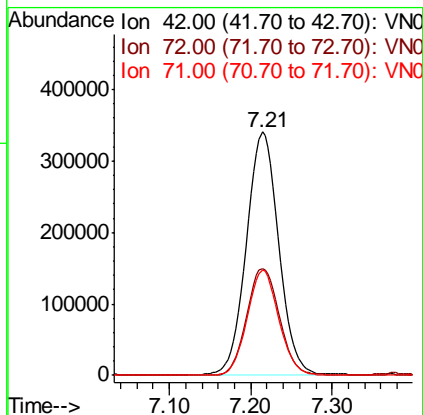
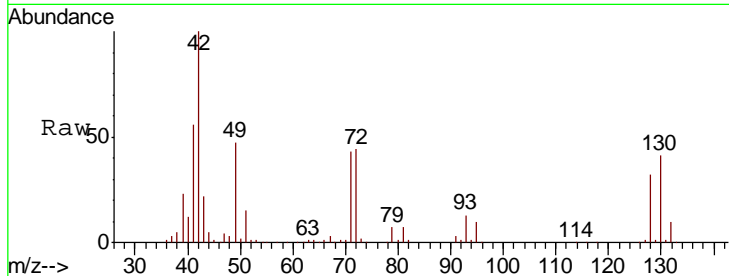
#29
 Tetrahydrofuran
 Concen: 399.70 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
42	100		
72	44.6	35.8	53.6
71	42.4	33.4	50.0

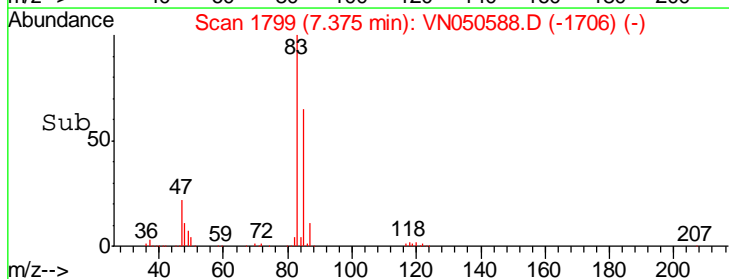
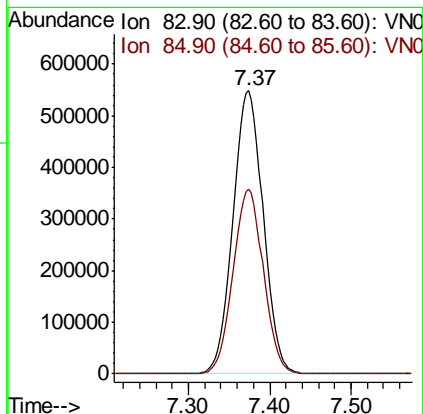
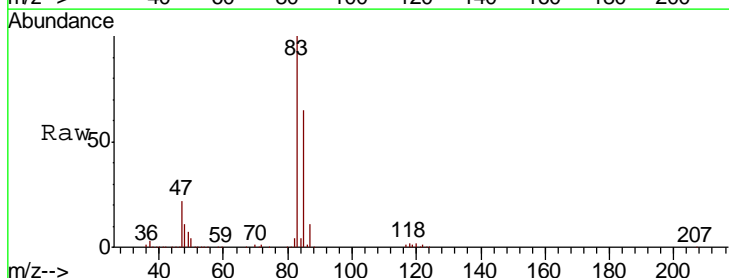
Manual Integrations
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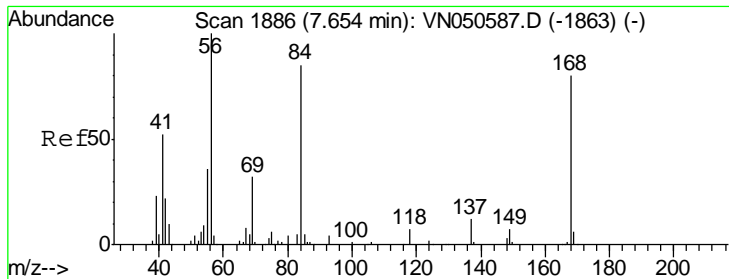
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#30
 Chloroform
 Concen: 95.65 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.5	52.5	78.7





#31
 Cyclohexane
 Concen: 88.37 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

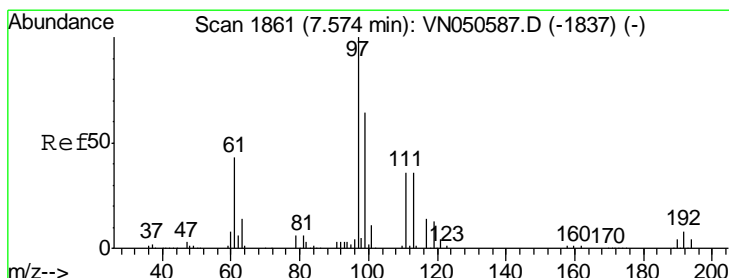
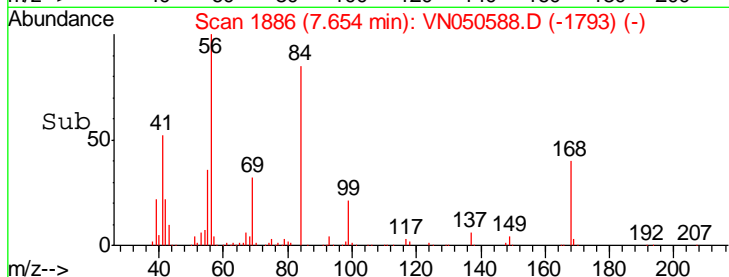
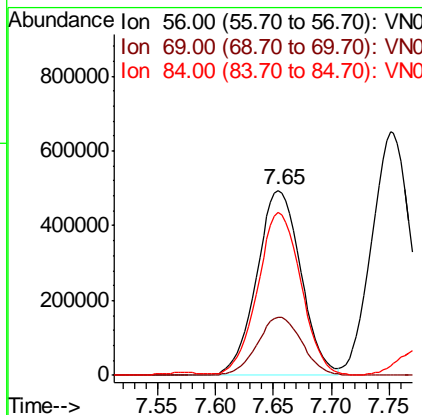
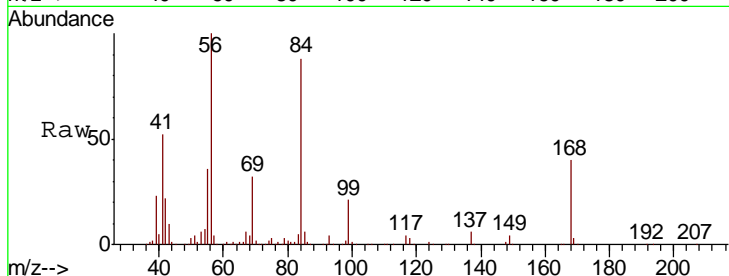
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 56 Resp: 1309725

Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.8	38.6
84	86.3	67.8	101.6

Manual Integrations
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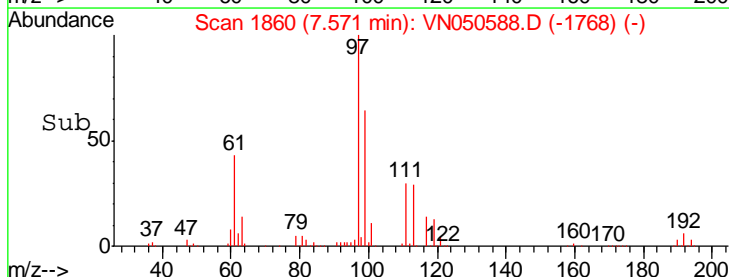
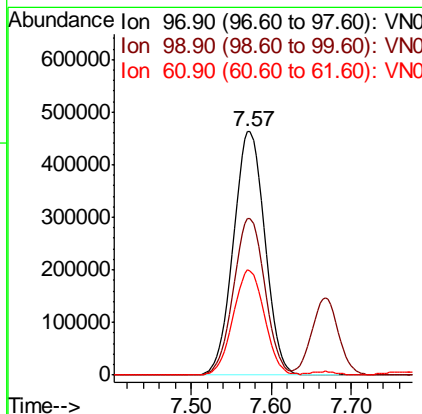
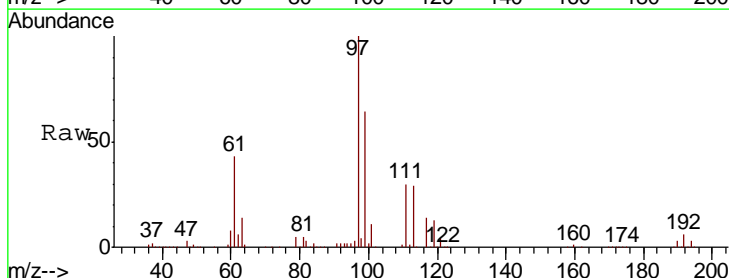
MMDadoda
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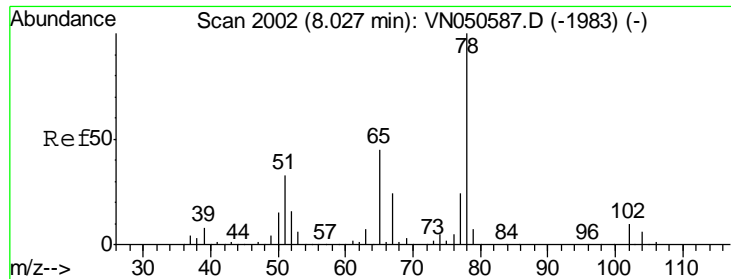


#32
 1,1,1-Trichloroethane
 Concen: 96.75 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 97 Resp: 1228980

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	43.1	34.8	52.2





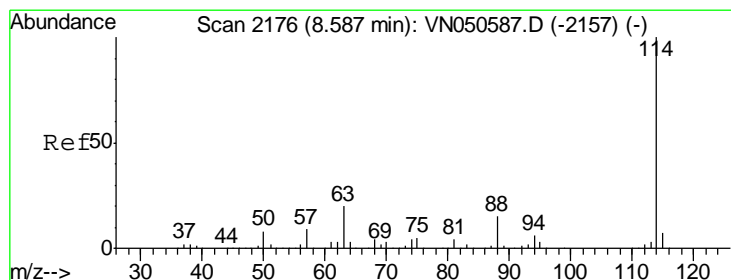
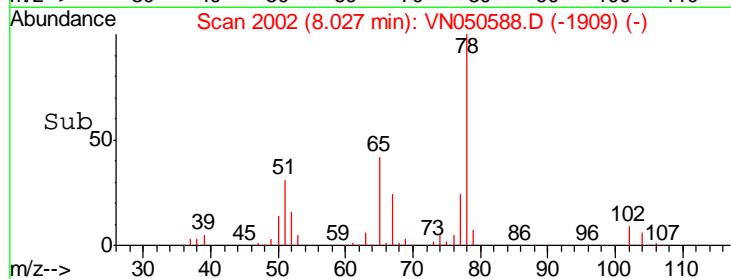
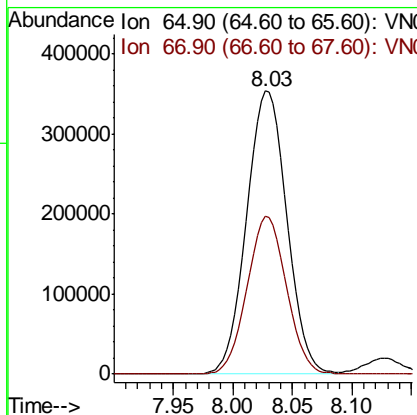
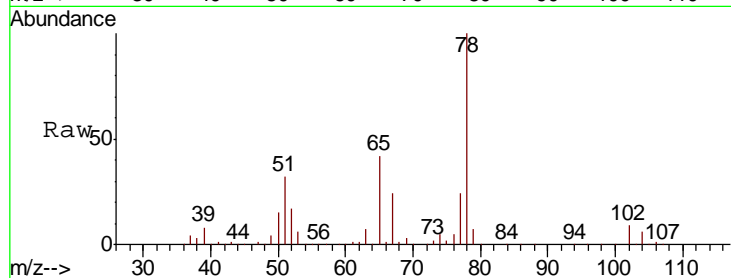
#33
 1,2-Dichloroethane-d4
 Concen: 91.92 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.5	0.0	109.8

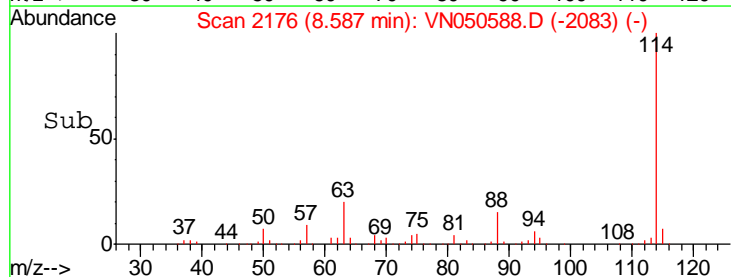
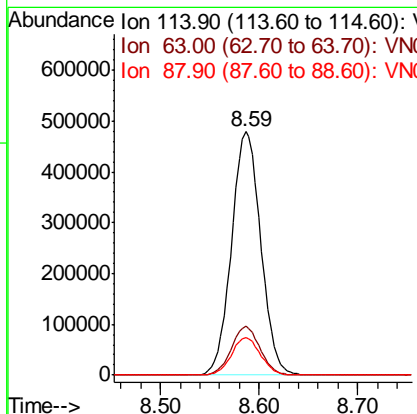
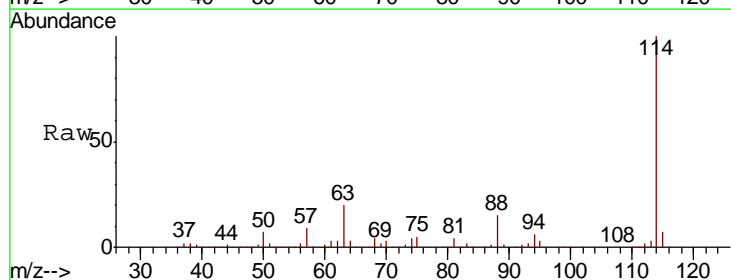
Manual Integrations
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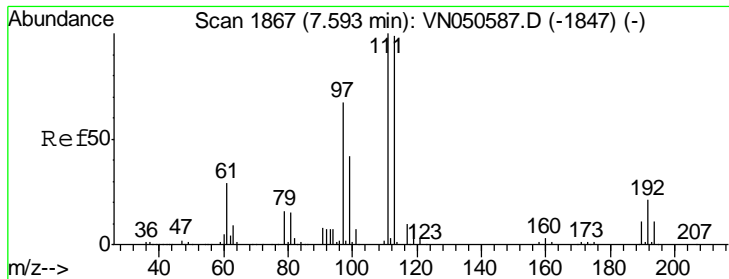
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	15.2	0.0	30.8





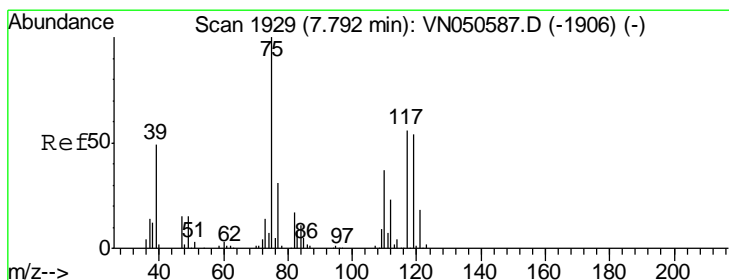
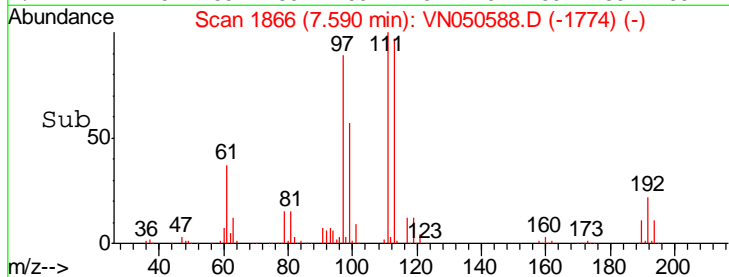
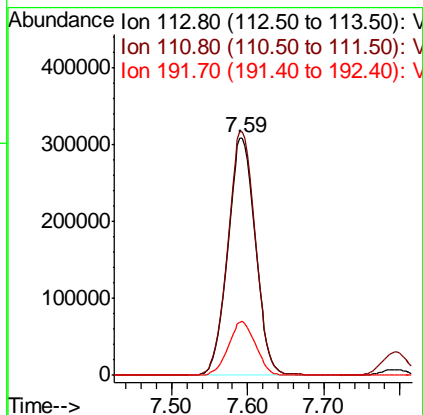
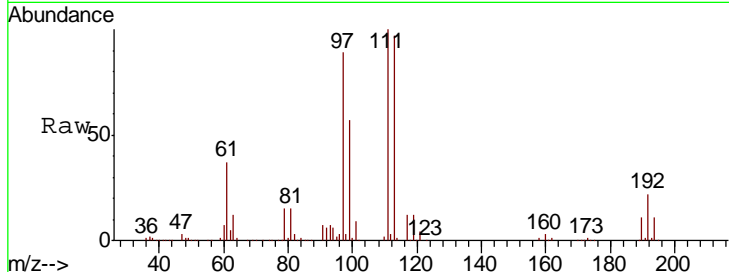
#35
 Dibromofluoromethane
 Concen: 98.07 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.7	81.0	121.6
192	22.4	17.6	26.4

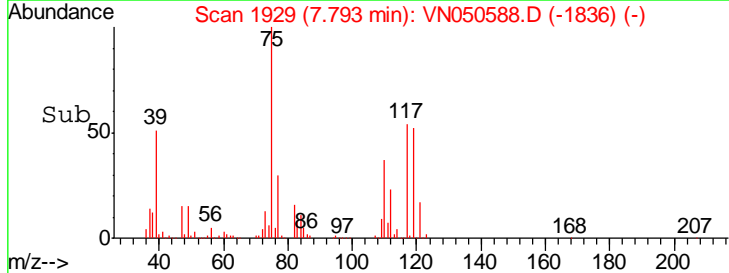
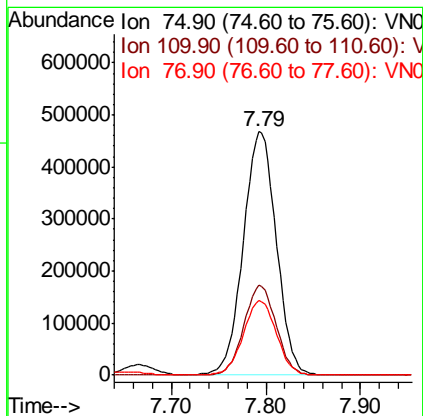
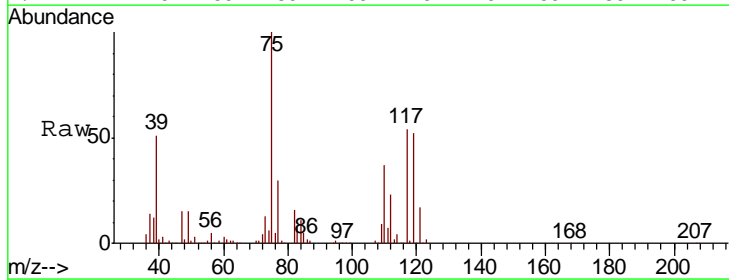
Manual Integrations
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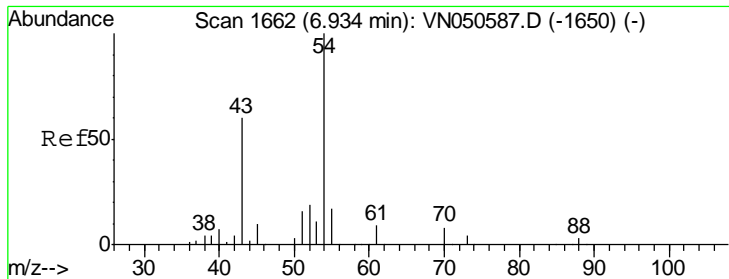
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#36
 1,1-Dichloropropene
 Concen: 104.04 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
75	100		
110	36.2	18.3	54.9
77	30.8	25.0	37.4





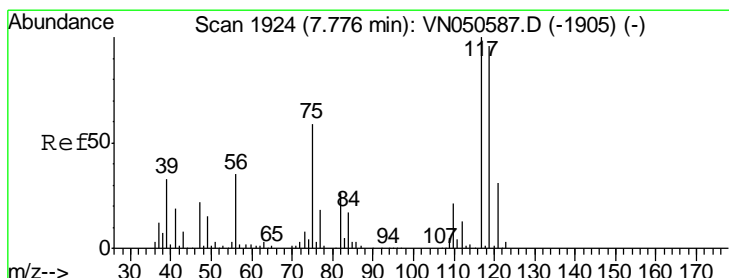
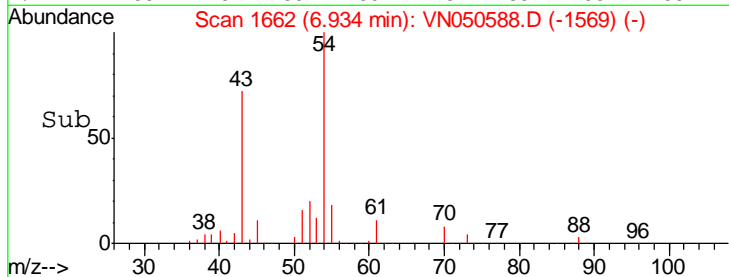
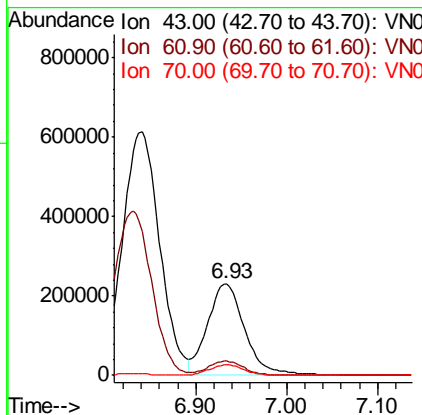
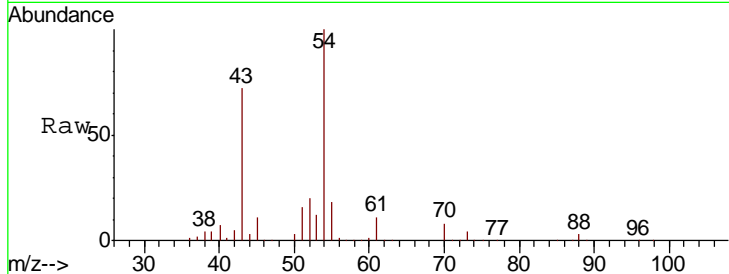
#37
 Ethyl Acetate
 Concen: 85.93 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	10.9	8.5	12.7

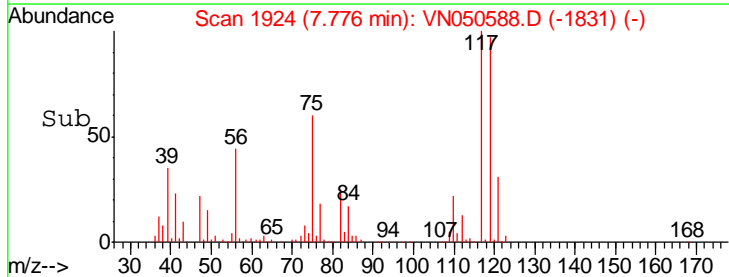
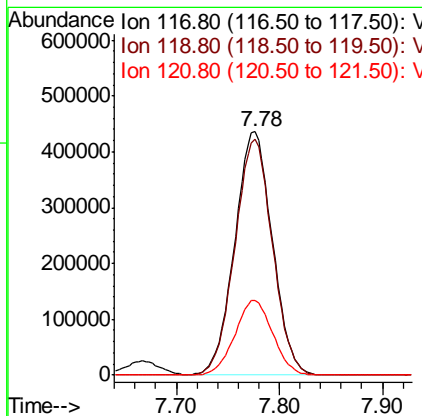
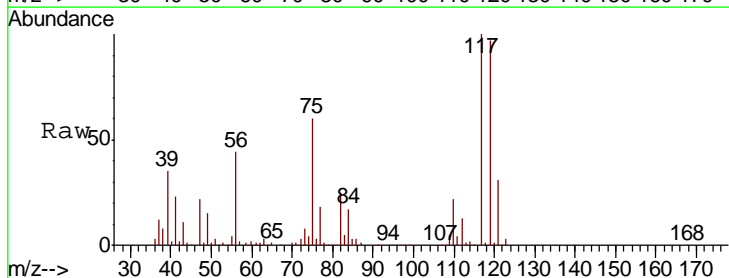
Manual Integrations
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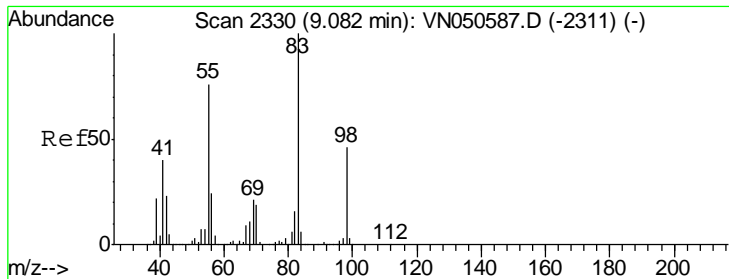
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#38
 Carbon Tetrachloride
 Concen: 97.75 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
117	100		
119	96.6	76.6	115.0
121	30.6	25.0	37.6





#39
 Methylcyclohexane
 Concen: 105.56 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

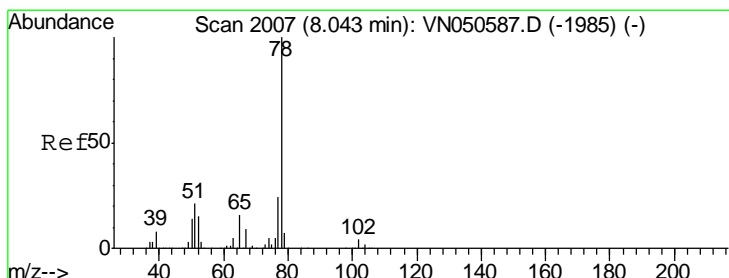
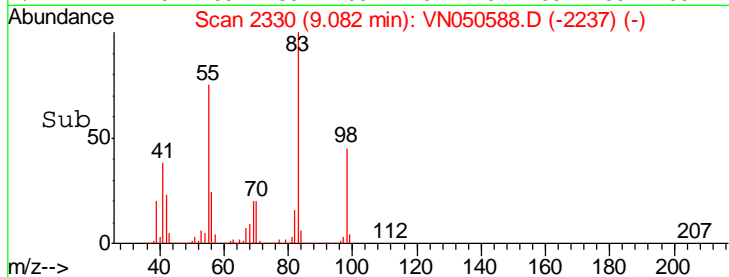
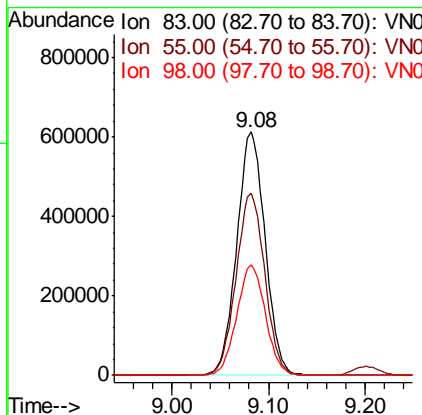
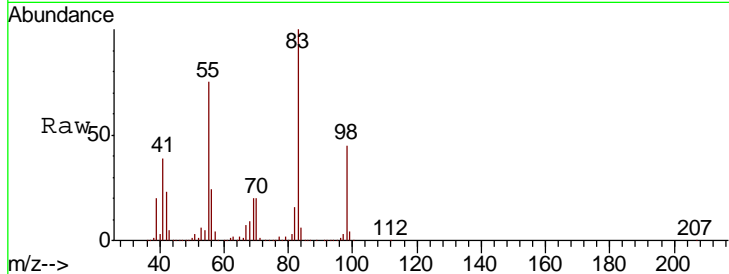
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 83 Resp: 1248983

Ion	Ratio	Lower	Upper
83	100		
55	74.9	60.6	91.0
98	45.3	37.0	55.4

Manual Integrations
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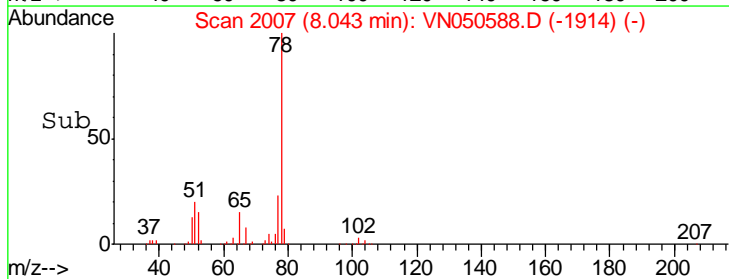
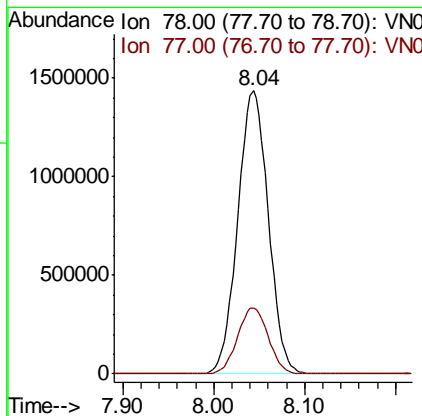
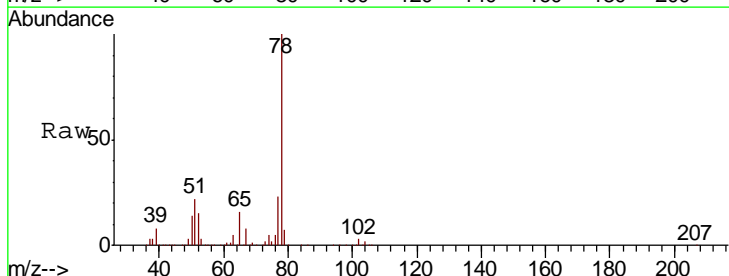
MMDadoda
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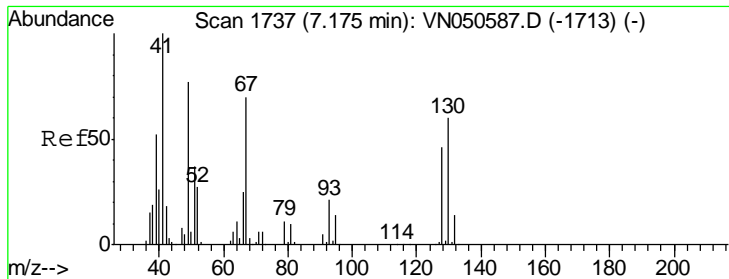


#40
 Benzene
 Concen: 100.46 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 78 Resp: 3354198

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





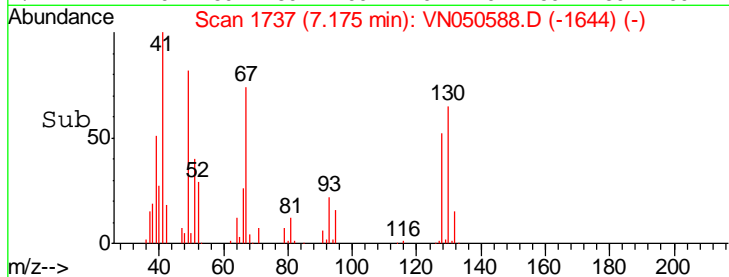
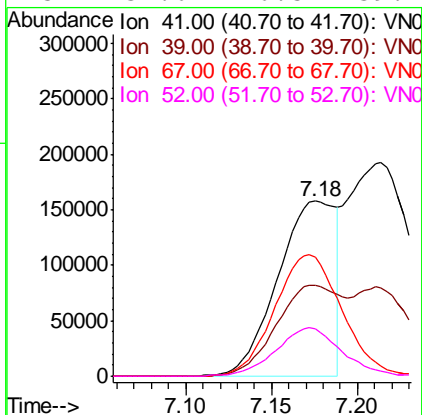
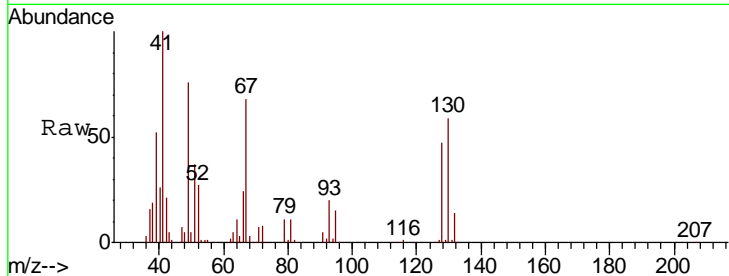
#41
 Methacrylonitrile
 Concen: 91.08 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
41	100		
39	59.6	44.6	66.8
67	80.9	66.7	100.1
52	31.6	26.5	39.7

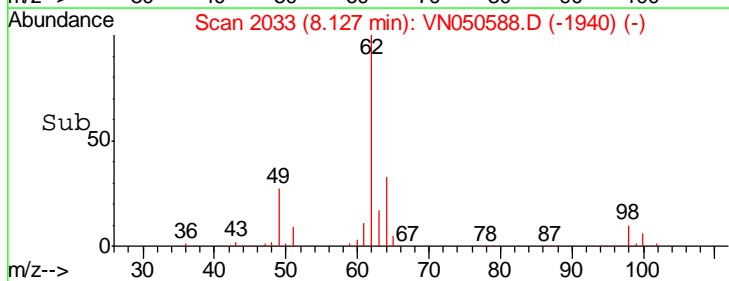
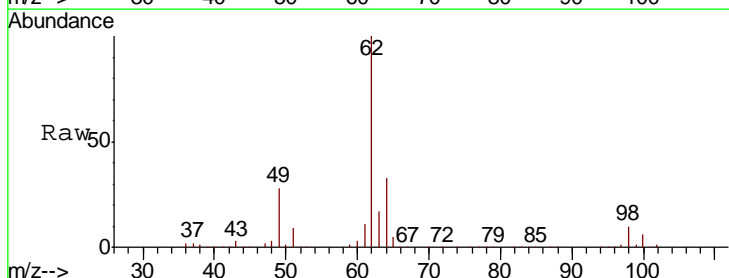
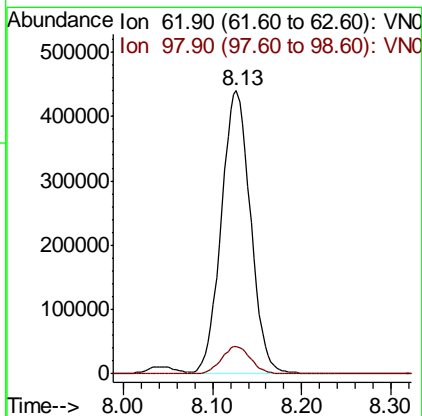
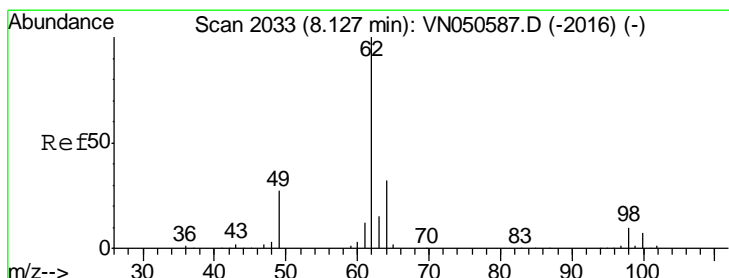
Manual Integrations
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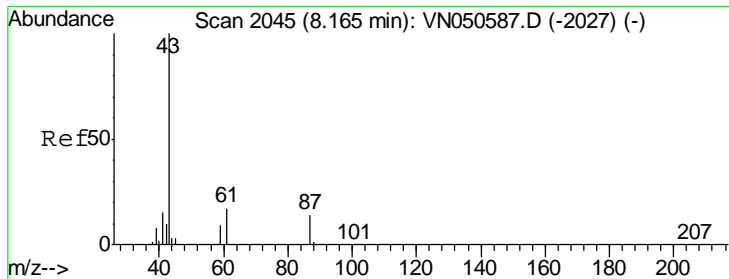
MMDadoda
 8/15/2018 3:21:42 PM



#42
 1,2-Dichloroethane
 Concen: 94.84 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.7	0.0	19.4





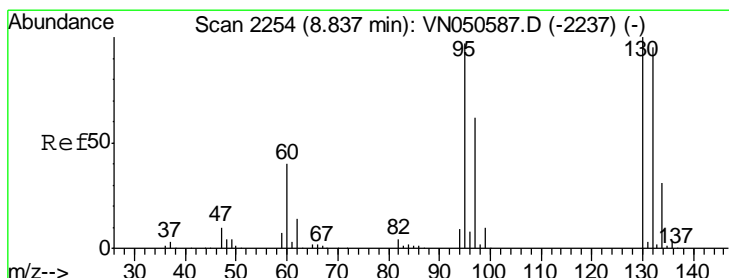
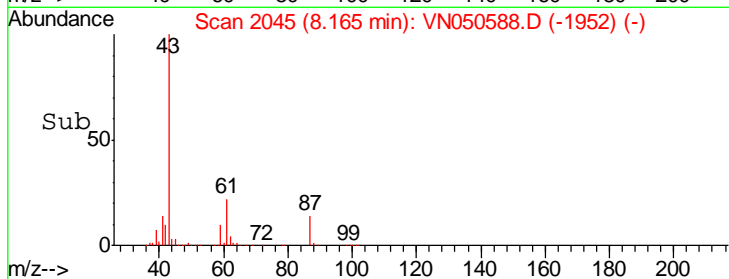
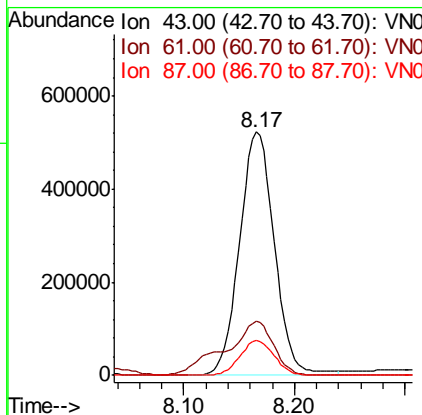
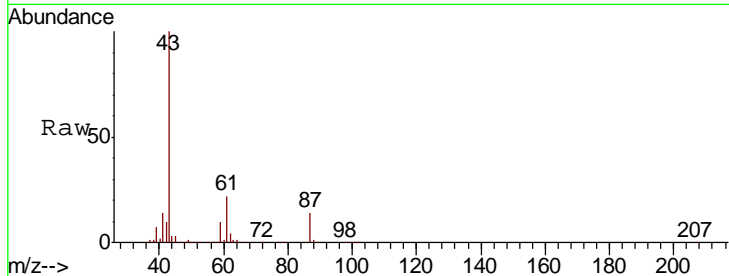
#43
 Isopropyl Acetate
 Concen: 87.35 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
61	30.6	16.2	24.2#
87	14.0	10.9	16.3

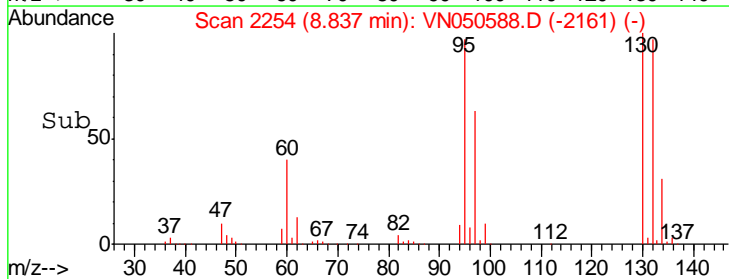
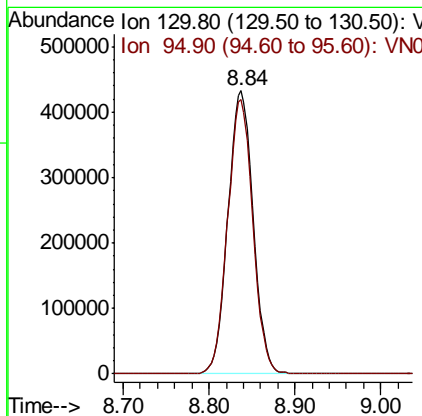
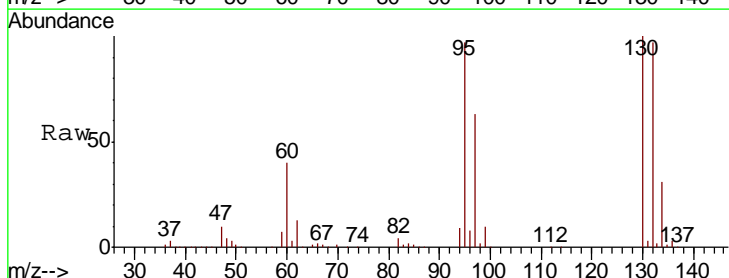
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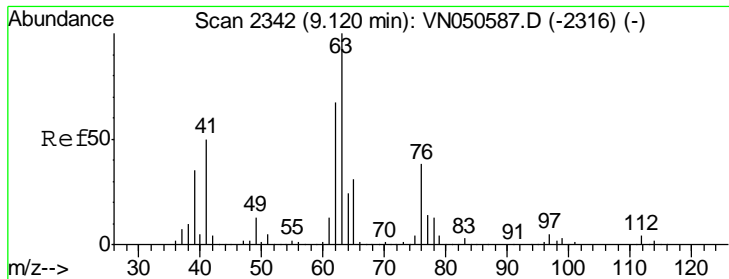
MMDadoda
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#44
 Trichloroethene
 Concen: 98.04 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
130	100		
95	97.0	0.0	193.8





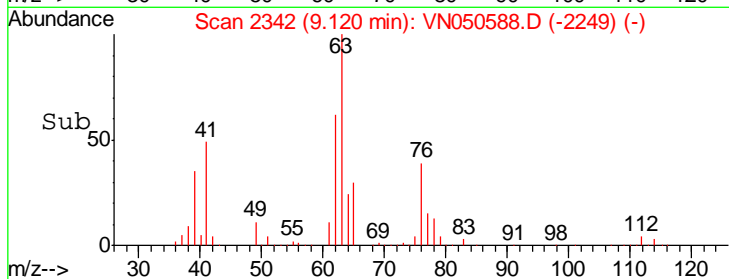
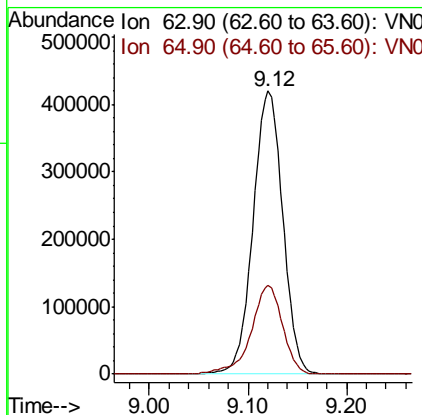
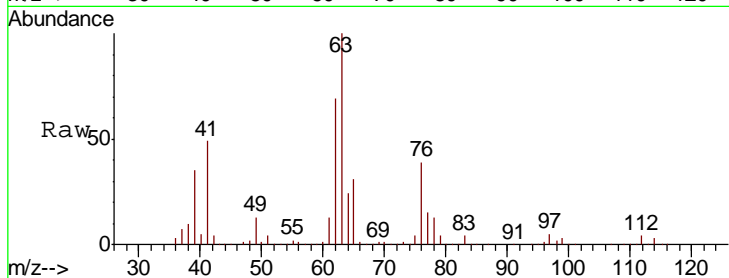
#45
 1,2-Dichloropropane
 Concen: 99.29 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.3	24.5	36.7

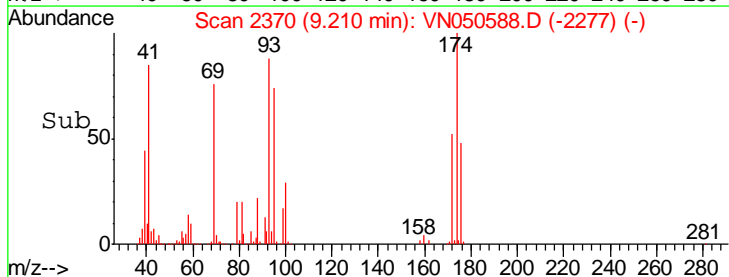
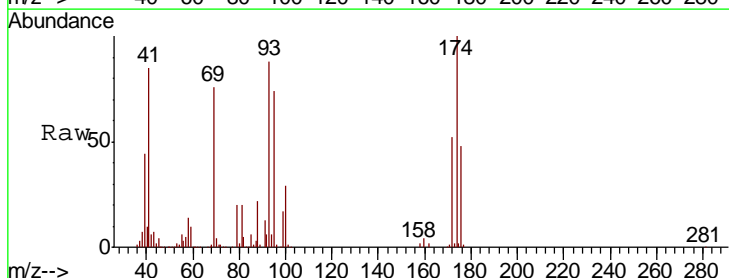
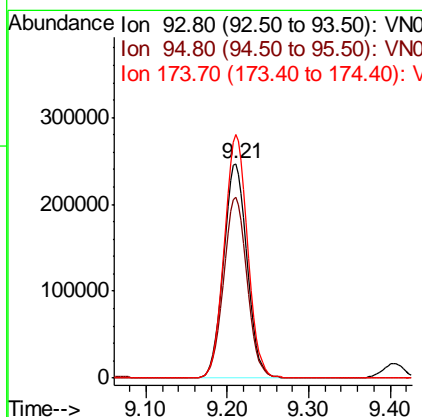
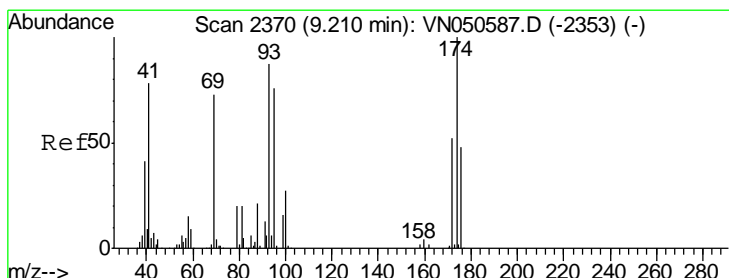
Manual Integrations
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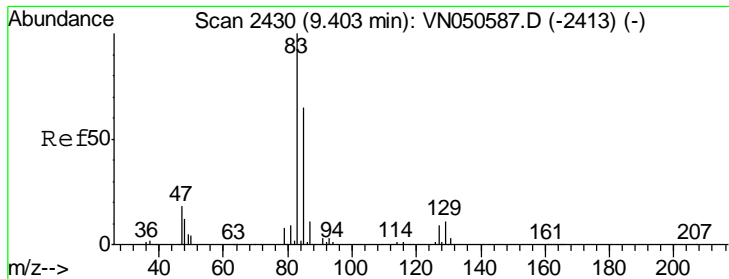
MMDadoda
 8/15/2018 3:21:42 PM



#46
 Dibromomethane
 Concen: 94.46 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.1	69.1	103.7
174	112.1	91.0	136.6





#47
 Bromodichloromethane
 Concen: 98.09 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

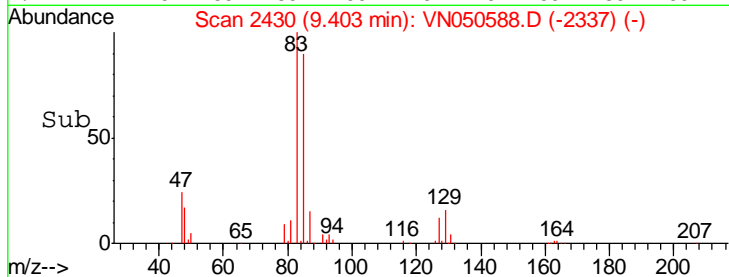
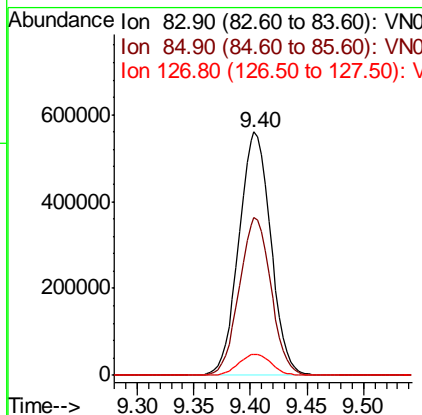
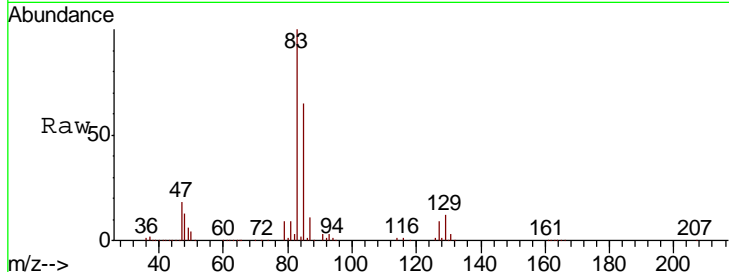
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 83 Resp: 1099646

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.6
127	8.8	7.2	10.8

Manual Integrations
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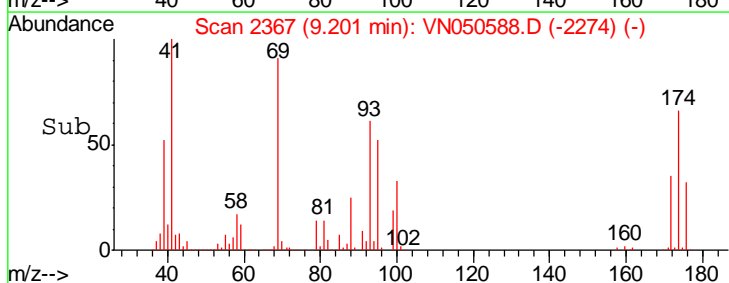
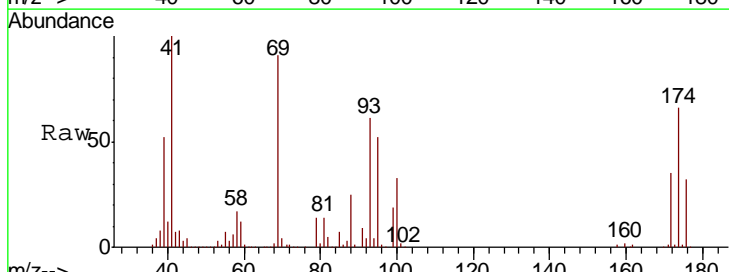
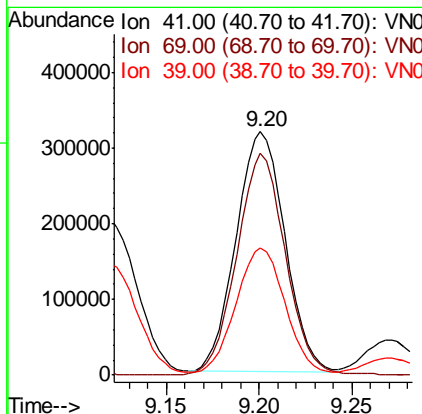
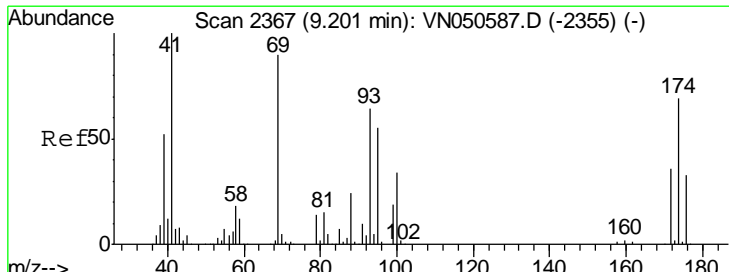
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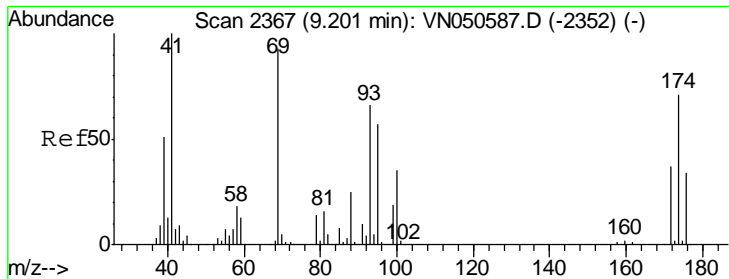


#48
 Methyl methacrylate
 Concen: 89.55 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 41 Resp: 585609

Ion	Ratio	Lower	Upper
41	100		
69	91.8	73.4	110.0
39	53.6	43.0	64.6





#49
 1,4-Dioxane
 Concen: 1578.31 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

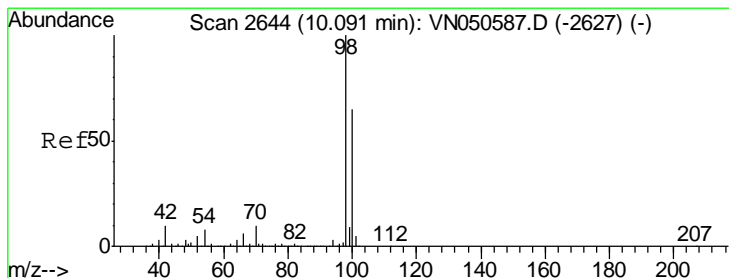
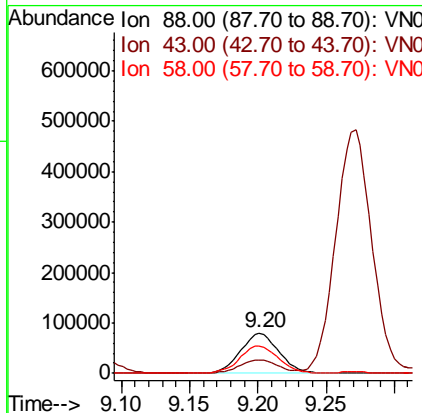
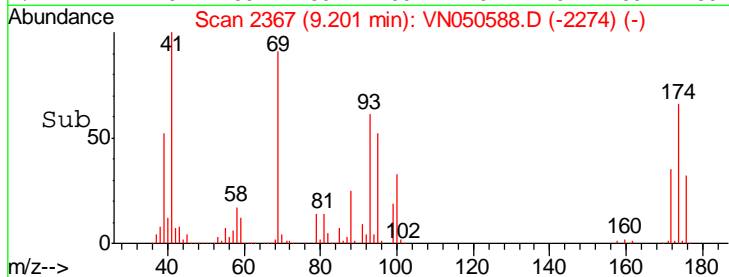
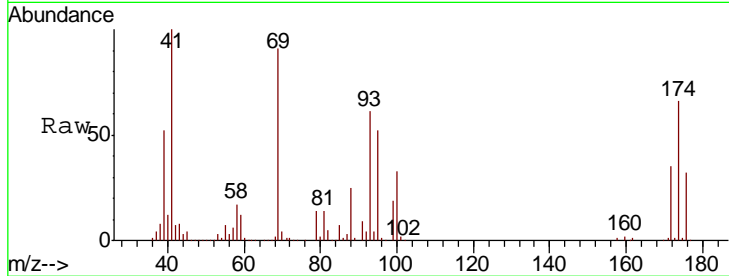
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 88 Resp: 156891

Ion	Ratio	Lower	Upper
88	100		
43	32.5	25.9	38.9
58	68.4	56.5	84.7

Manual Integrations
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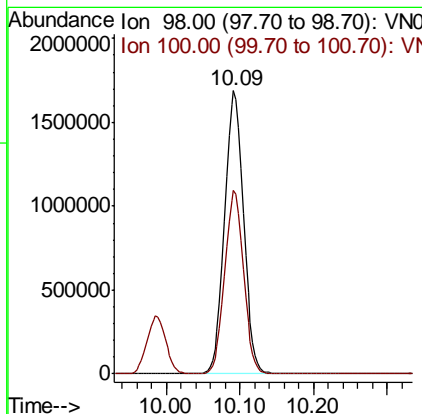
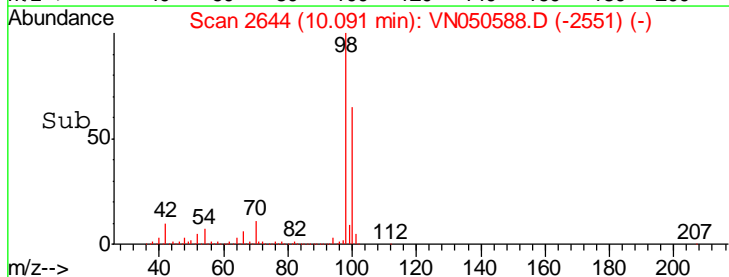
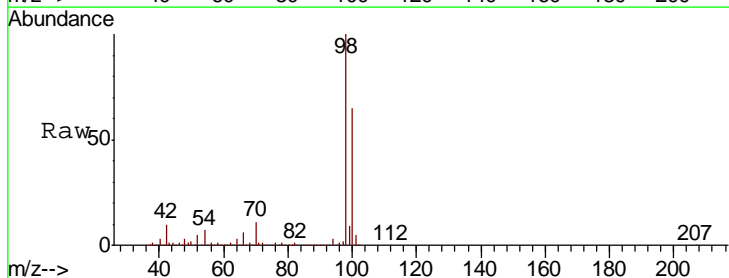
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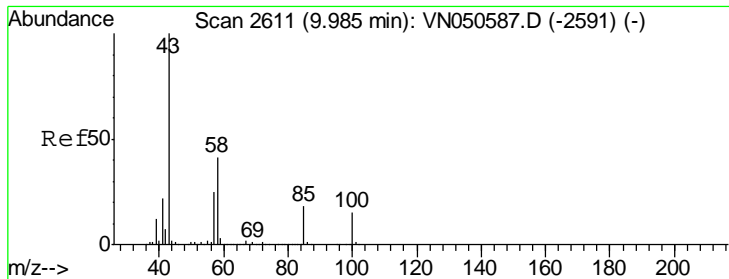


#50
 Toluene-d8
 Concen: 101.52 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 98 Resp: 3030842

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.8	77.8





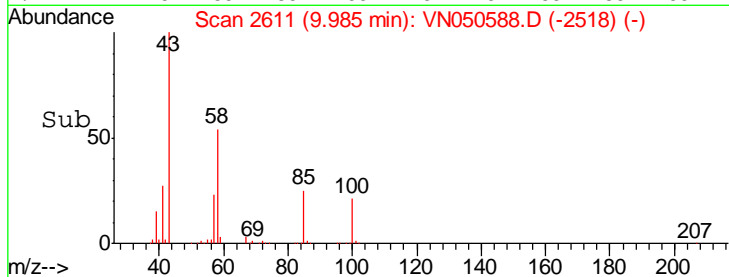
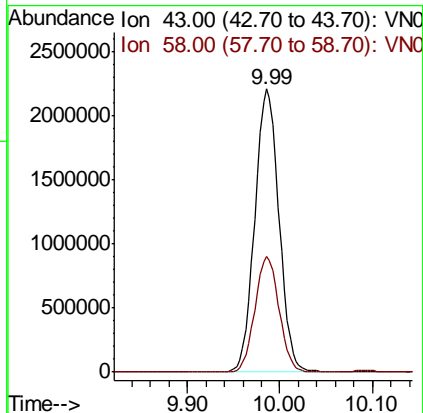
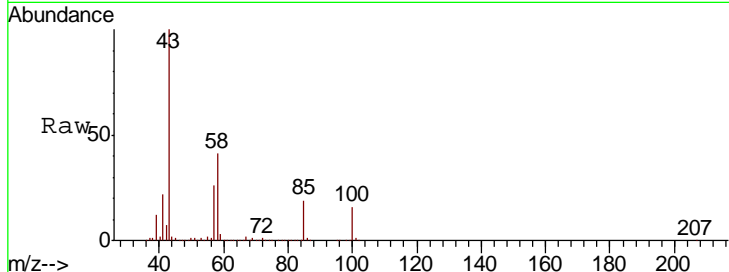
#51
 4-Methyl-2-Pentanone
 Concen: 425.86 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.8	32.5	48.7

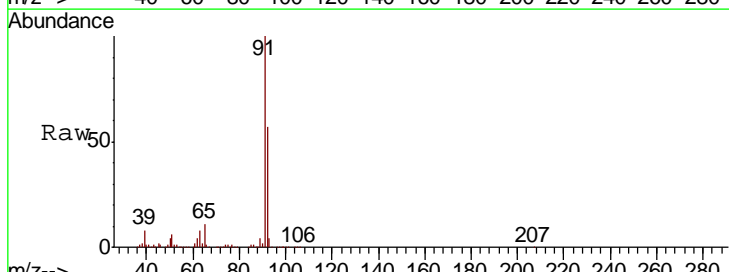
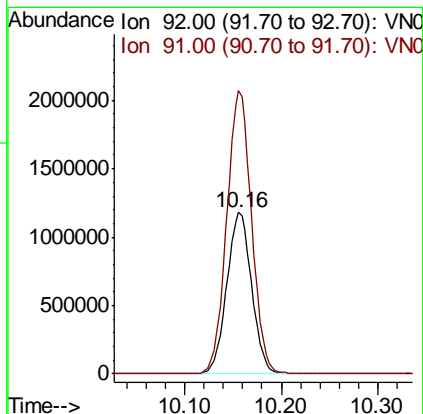
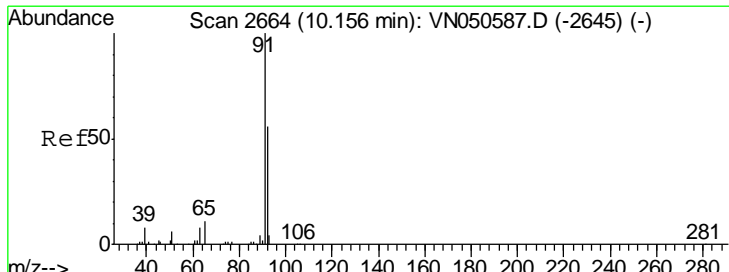
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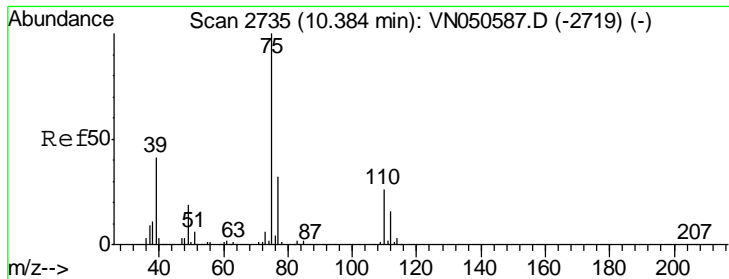
MMDadoda
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#52
 Toluene
 Concen: 104.84 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
92	100		
91	175.6	141.9	212.9





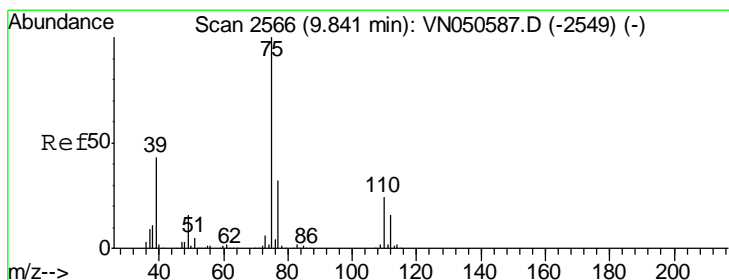
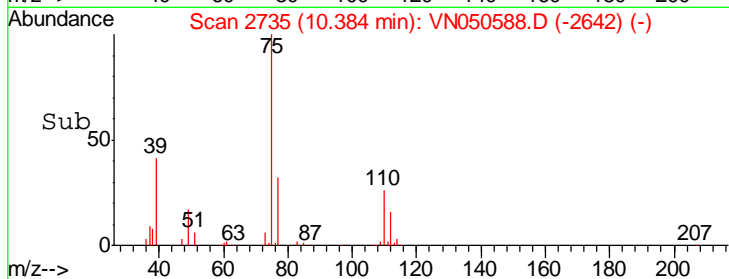
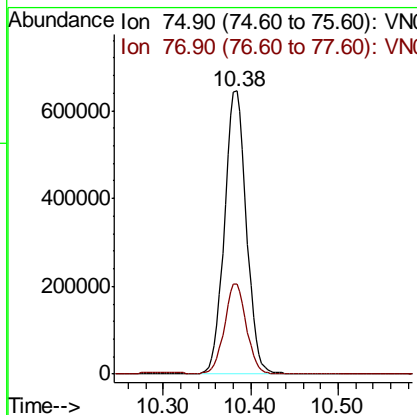
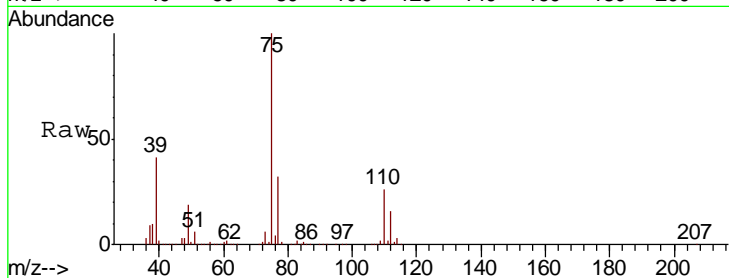
#53
 t-1,3-Dichloropropene
 Concen: 100.79 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	1121829		
75	100		
77	31.8	25.8	38.6

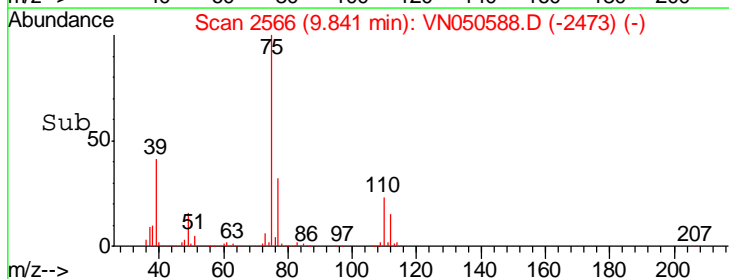
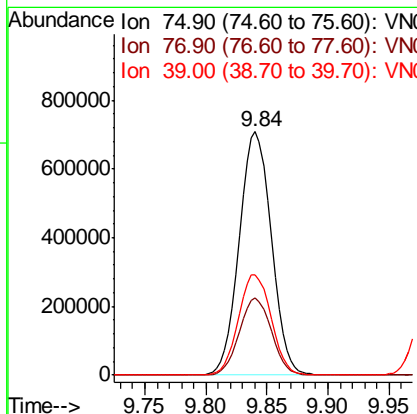
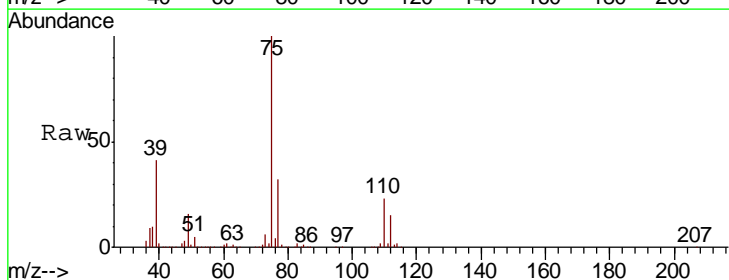
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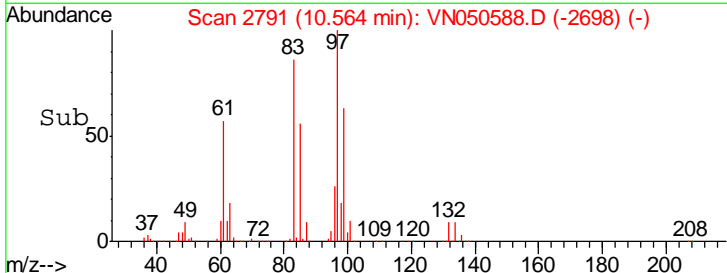
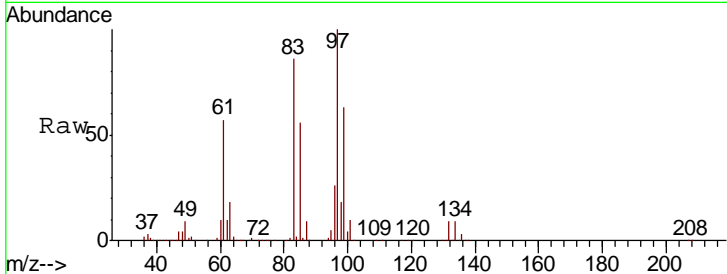
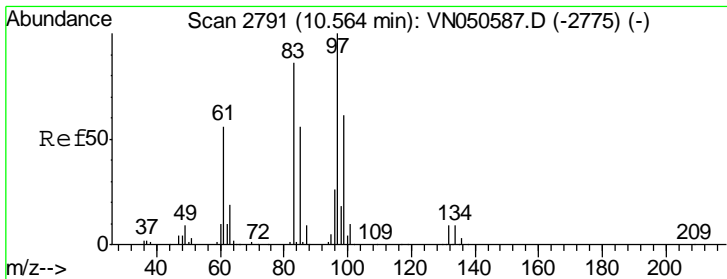
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#54
 cis-1,3-Dichloropropene
 Concen: 103.18 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
75	1288545		
75	100		
77	31.5	25.6	38.4
39	41.3	34.4	51.6



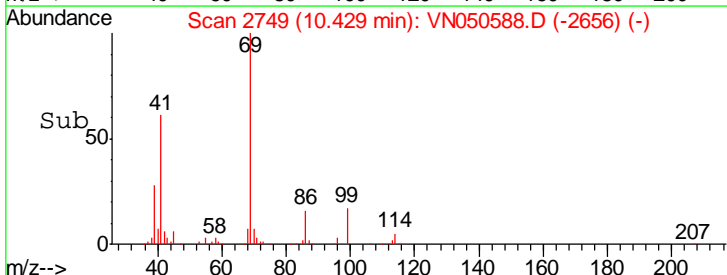
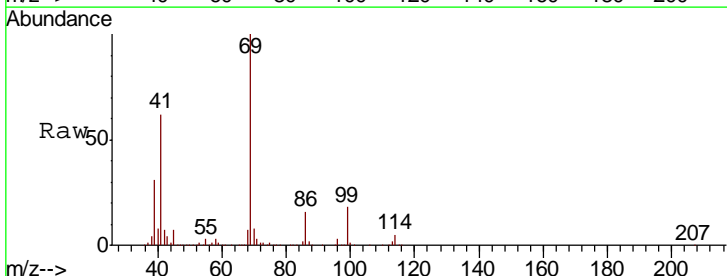
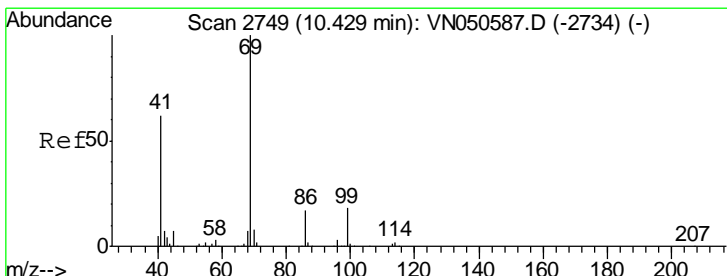
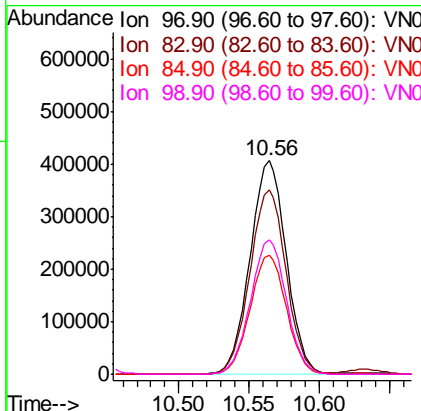


#55
 1,1,2-Trichloroethane
 Concen: 94.36 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
97	731444		
97	100		
83	86.1	68.5	102.7
85	55.8	44.6	66.8
99	62.7	49.1	73.7

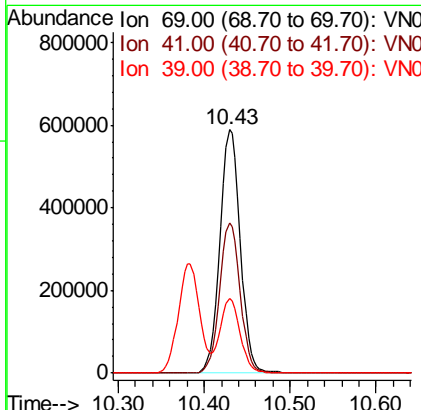
Instrument : MSVOA_N
 ClientSampled : VN050588.D
 VSTDIC100

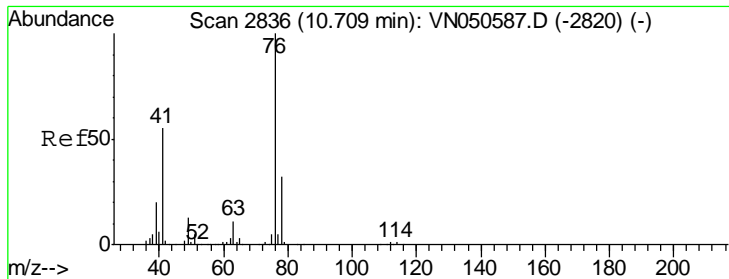
Manual Integrations
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 8/15/2018 3:21:42 PM



#56
 Ethyl methacrylate
 Concen: 100.54 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
69	969899		
69	100		
41	61.7	49.7	74.5
39	30.5	24.2	36.2





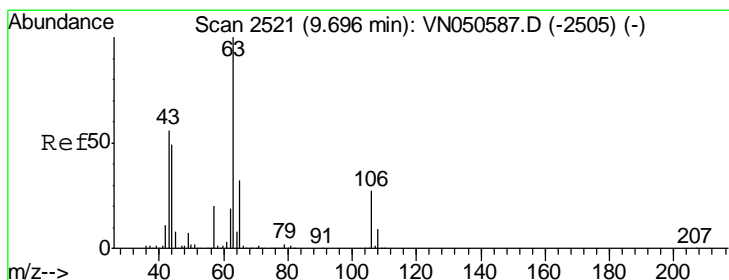
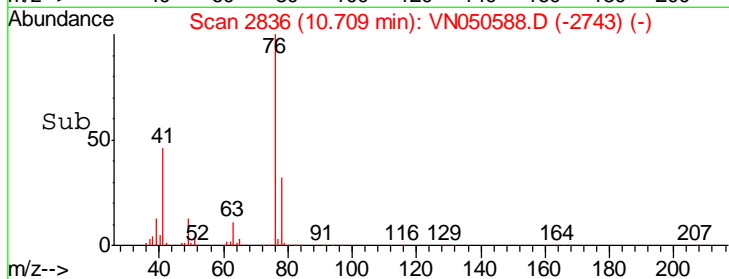
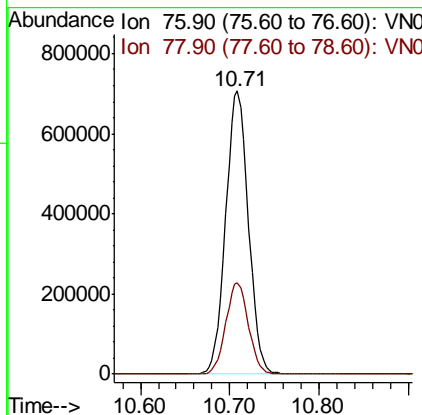
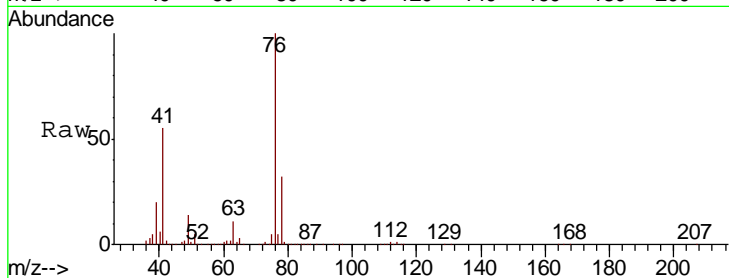
#57
 1,3-Dichloropropane
 Concen: 97.56 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
76	1242645		
76	100		
78	32.2	25.8	38.6

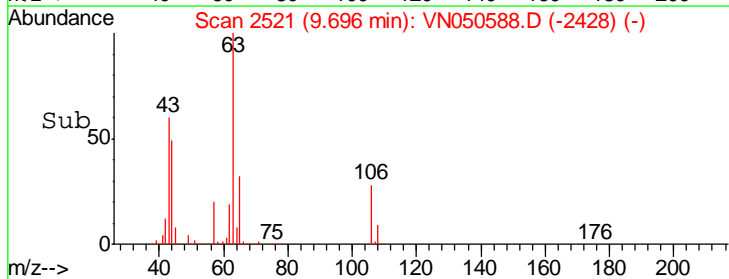
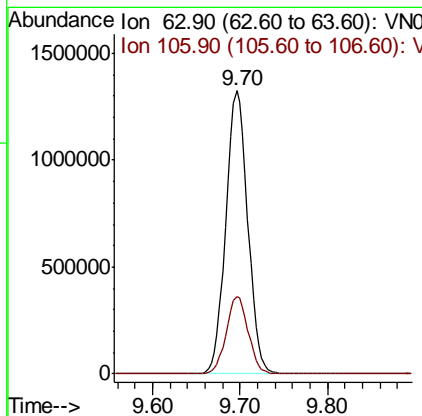
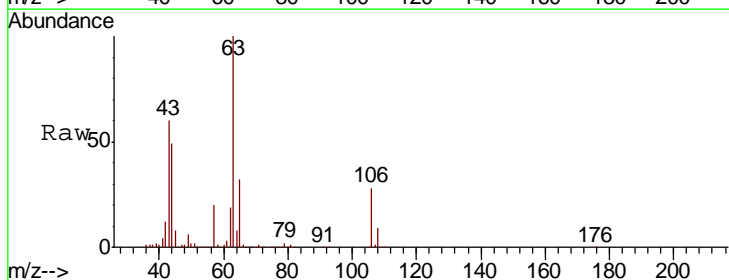
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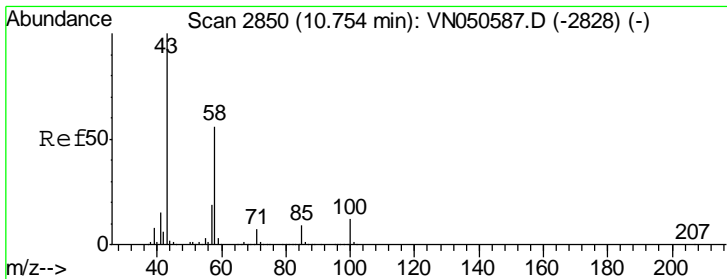
MMDadoda
 8/15/2018 3:21:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 512.03 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
63	2307506		
63	100		
106	27.3	21.7	32.5





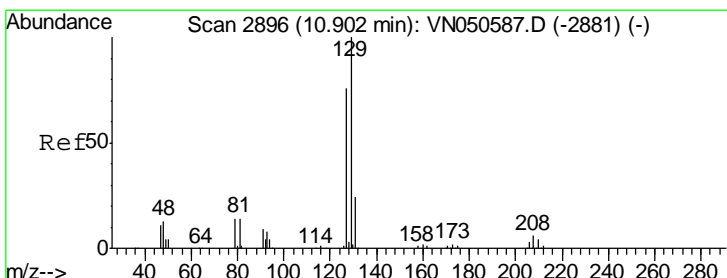
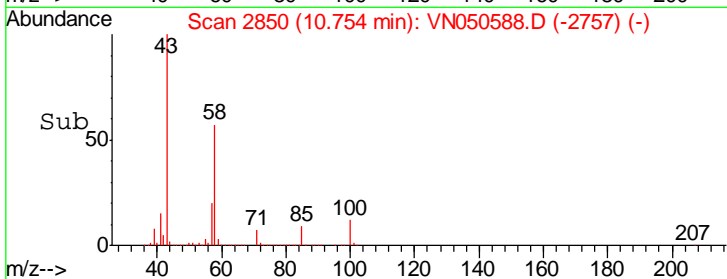
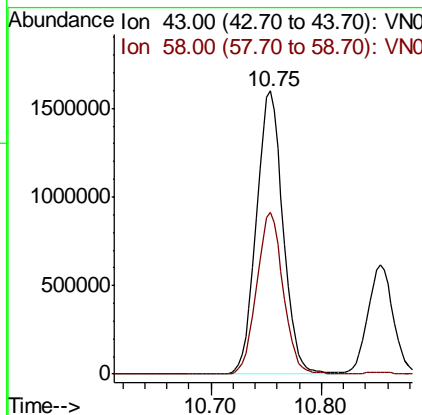
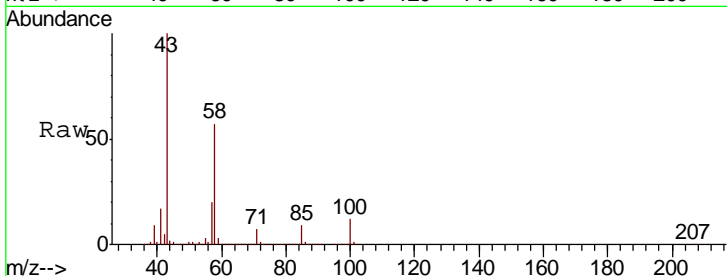
#59
 2-Hexanone
 Concen: 411.42 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
43	100		
58	56.9	28.0	84.0

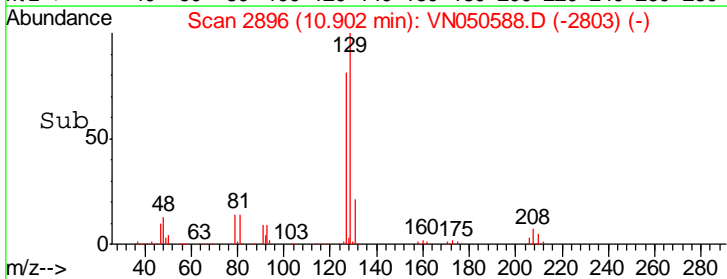
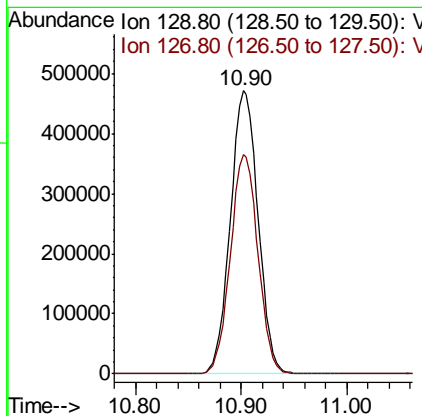
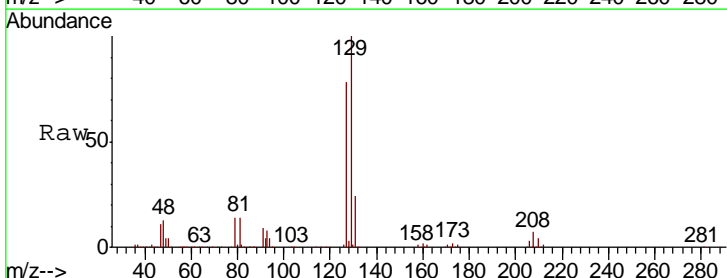
Manual Integrations
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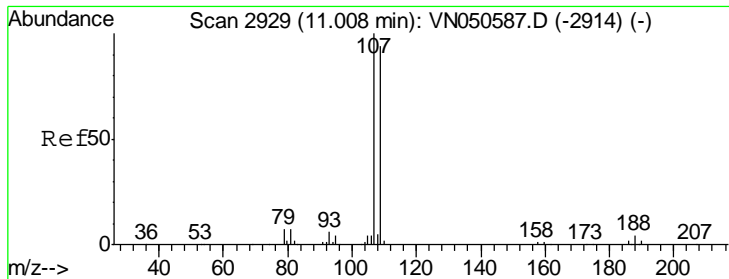
MMDadoda
 8/15/2018 3:21:42 PM



#60
 Dibromochloromethane
 Concen: 99.99 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.2	38.9	116.7





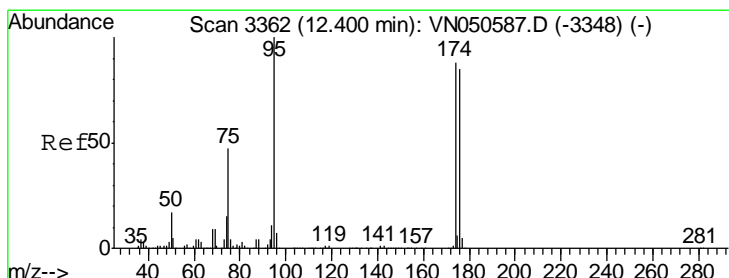
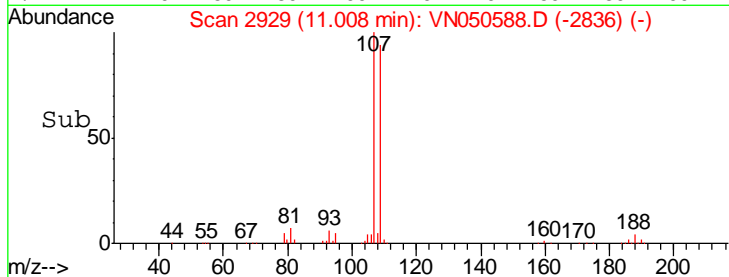
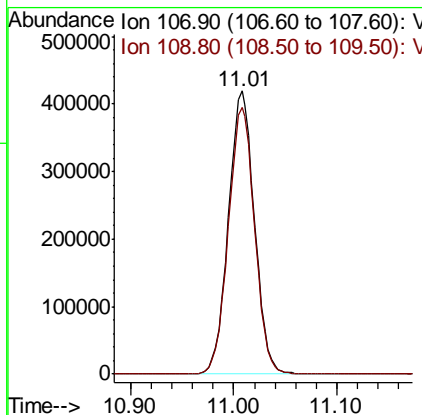
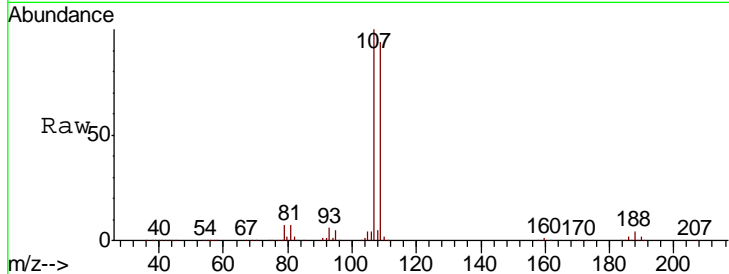
#61
 1,2-Dibromoethane
 Concen: 96.84 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
107	100		
109	95.1	75.7	113.5

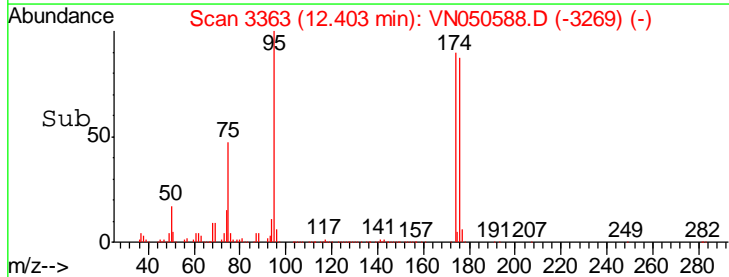
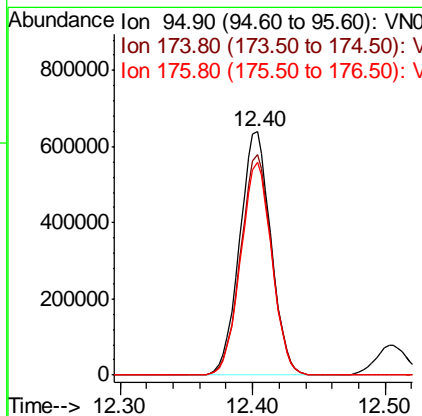
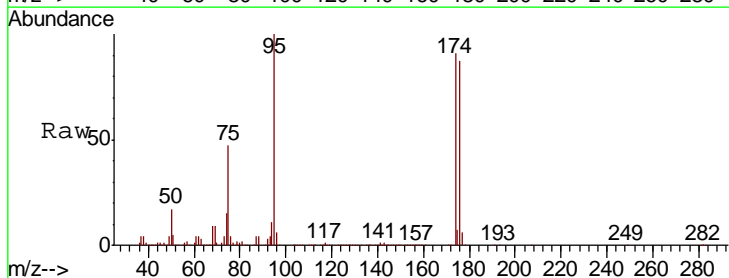
Manual Integrations
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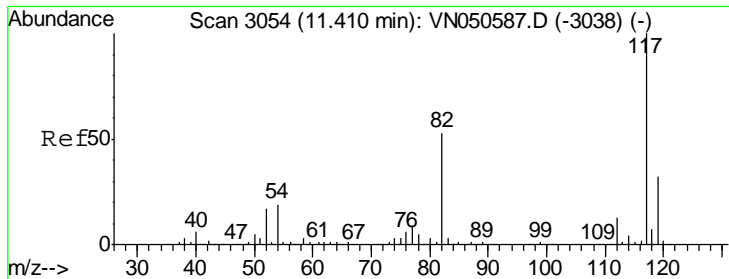
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 8/15/2018 3:21:42 PM



#62
 4-Bromofluorobenzene
 Concen: 103.48 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
95	100		
174	90.1	0.0	177.8
176	86.9	0.0	175.0





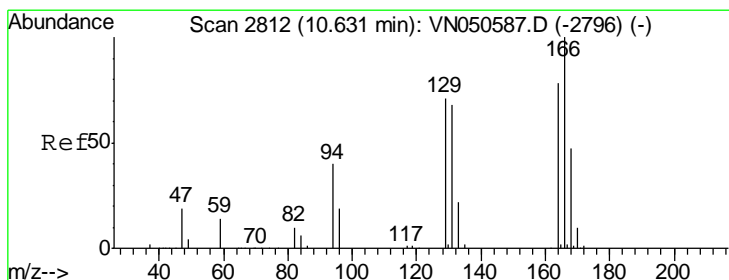
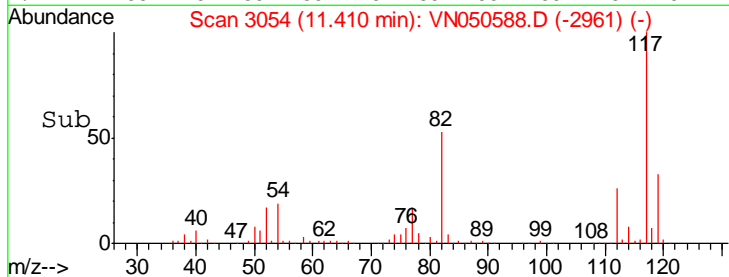
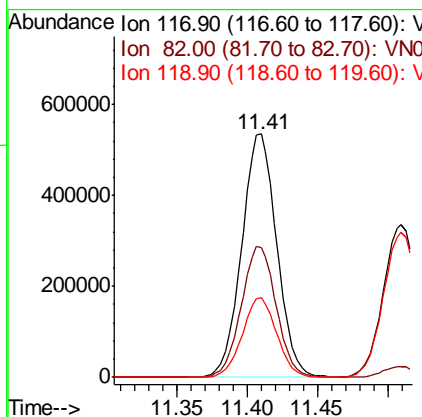
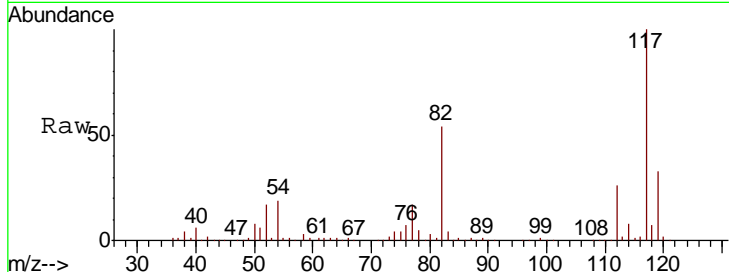
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
117	929864		
117	100		
82	53.5	42.4	63.6
119	32.8	25.8	38.8

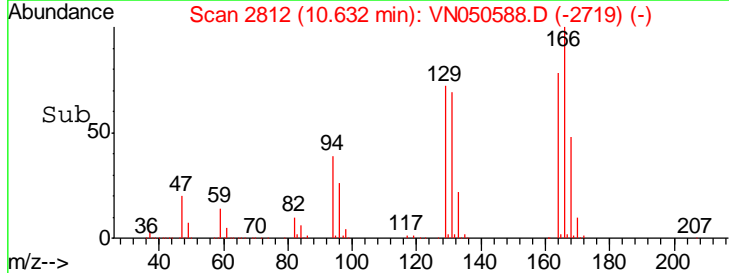
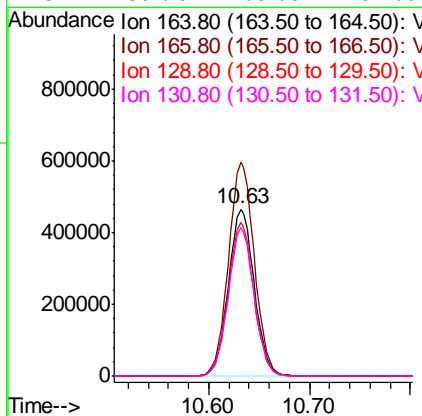
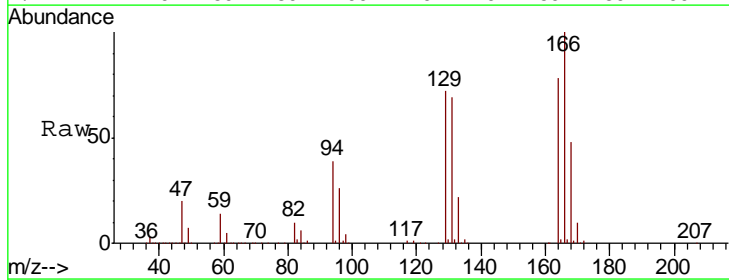
Manual Integrations
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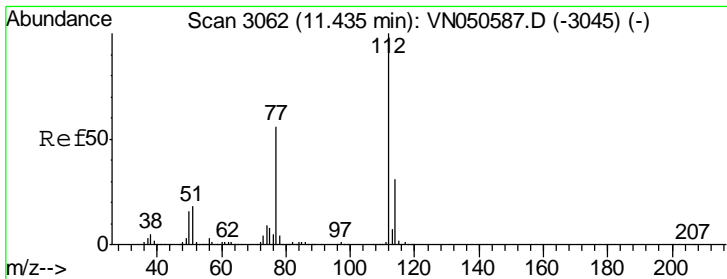
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 8/15/2018 3:21:42 PM



#64
 Tetrachloroethene
 Concen: 95.46 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
164	828130		
164	100		
166	128.3	102.1	153.1
129	92.1	72.7	109.1
131	89.0	69.9	104.9





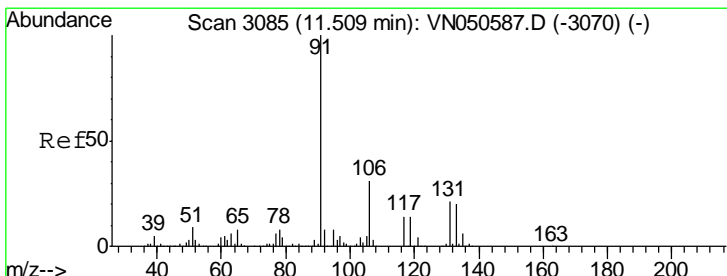
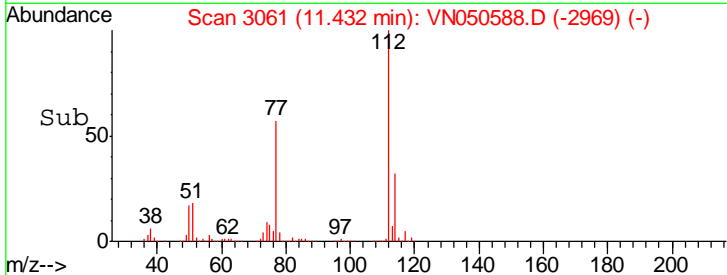
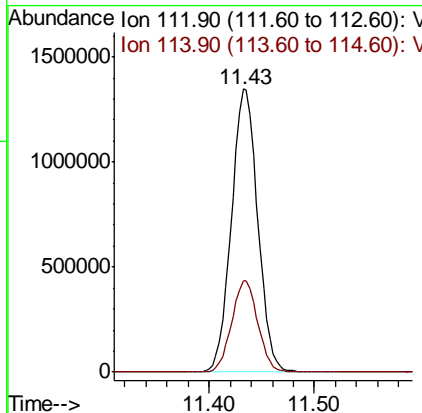
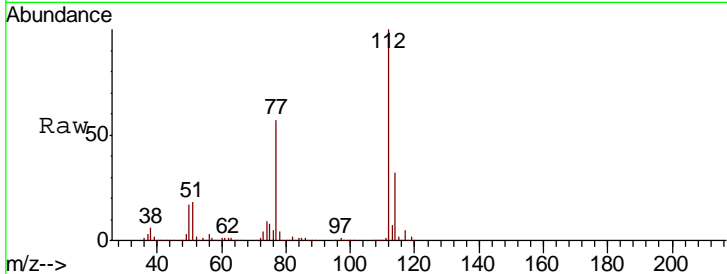
#65
 Chlorobenzene
 Concen: 99.50 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
112	2320753		
114	32.1	25.2	37.8

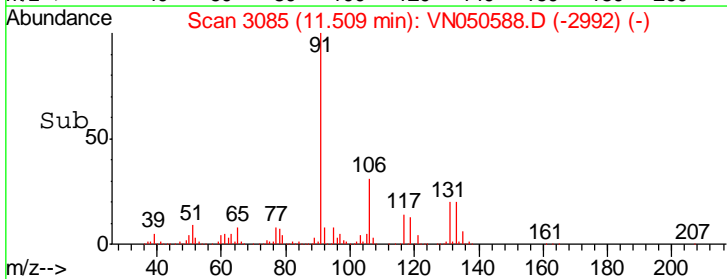
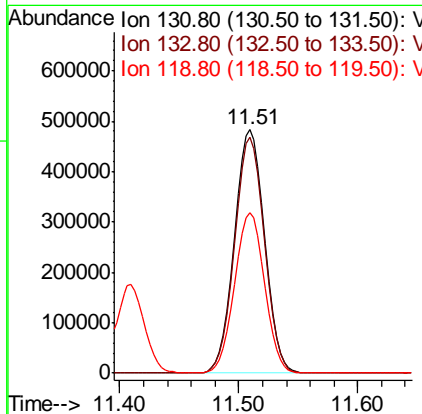
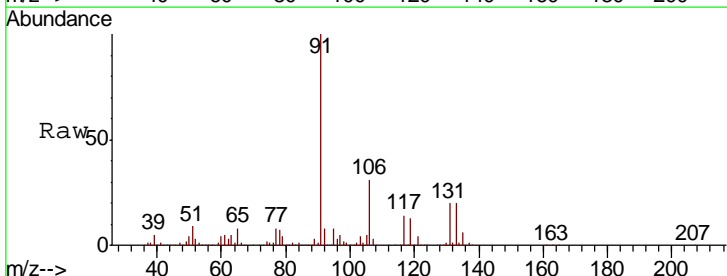
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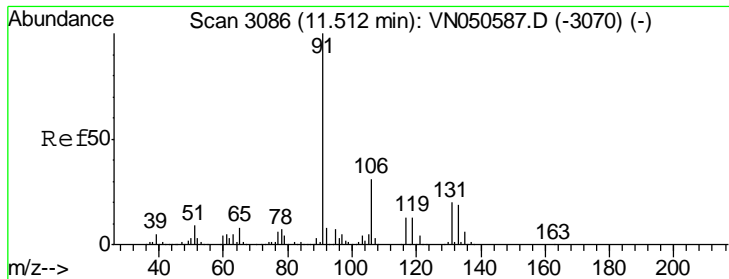
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 99.53 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
131	846880		
133	96.0	47.6	142.9
119	65.8	33.1	99.3





#67
Ethyl Benzene
Concen: 107.33 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

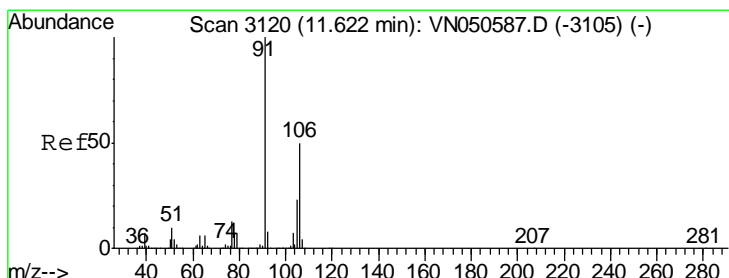
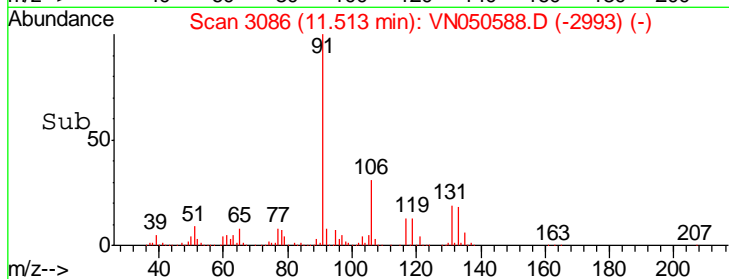
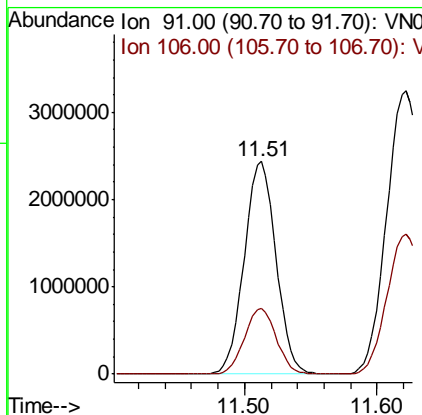
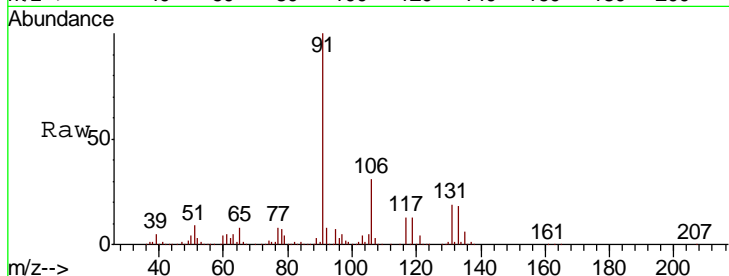
Instrument : MSVOA_N
Client Sampled : VSTDIC100

Tgt Ion: 91 Resp: 4047102

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.8	37.2

Manual Integrations
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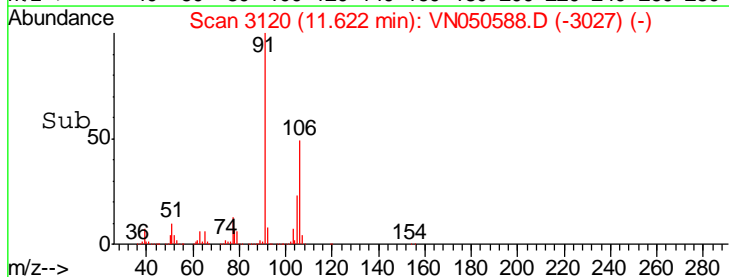
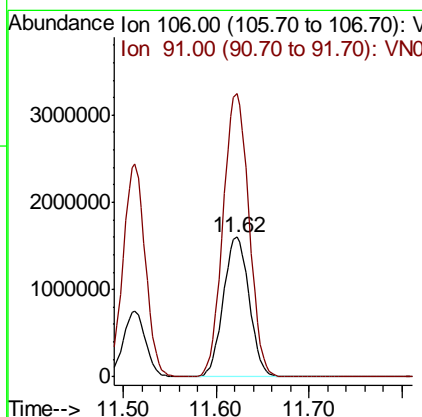
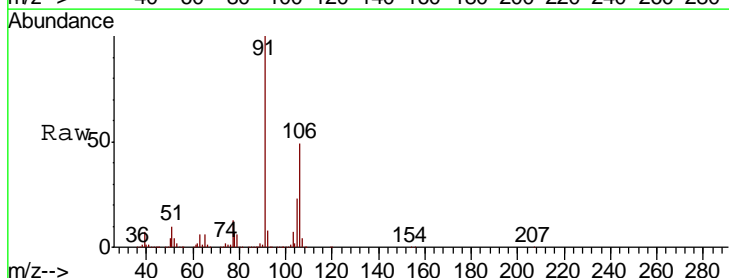
MMDadoda
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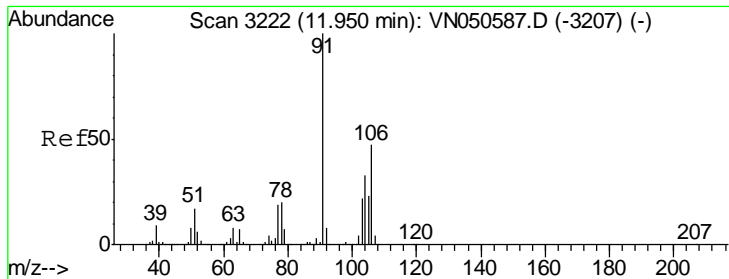


#68
m/p-Xylenes
Concen: 215.46 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 106 Resp: 3094891

Ion	Ratio	Lower	Upper
106	100		
91	203.1	161.5	242.3





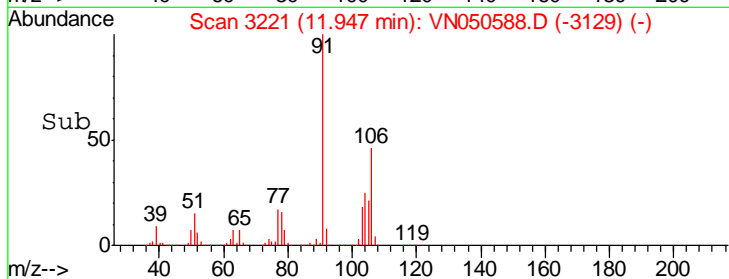
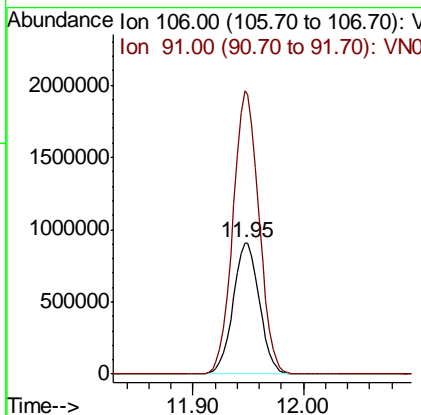
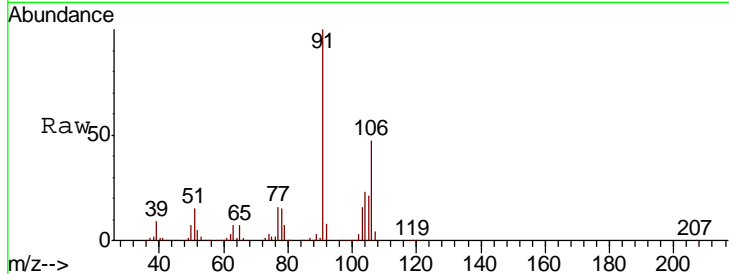
#69
 o-Xylene
 Concen: 108.48 ug/l
 RT: 11.95 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
106	1498306		
106	100		
91	213.5	106.8	320.4

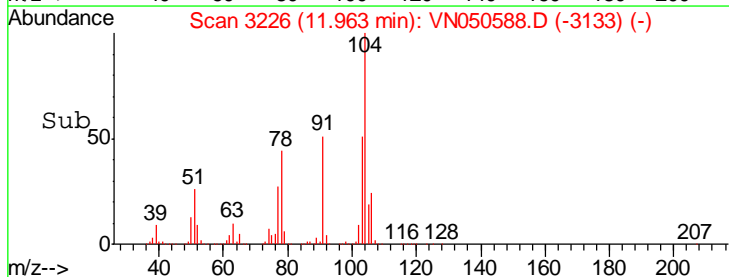
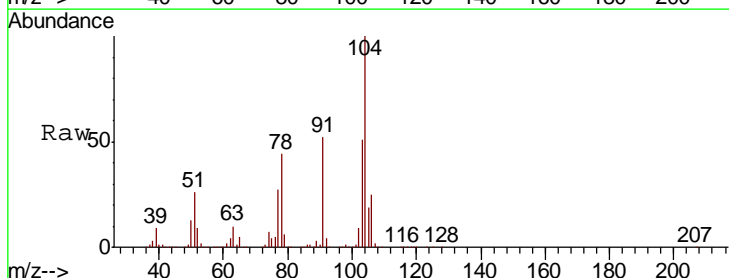
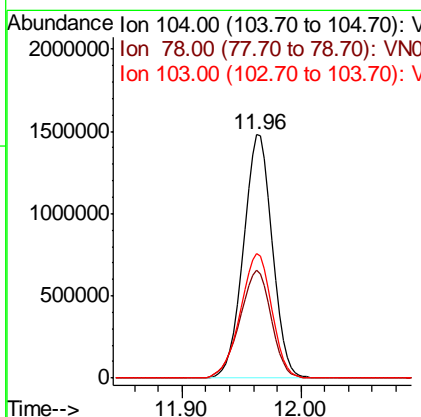
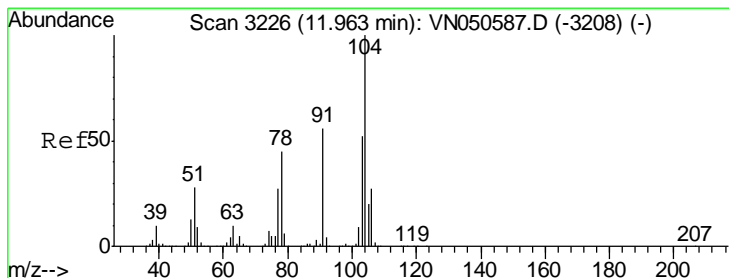
Manual Integrations
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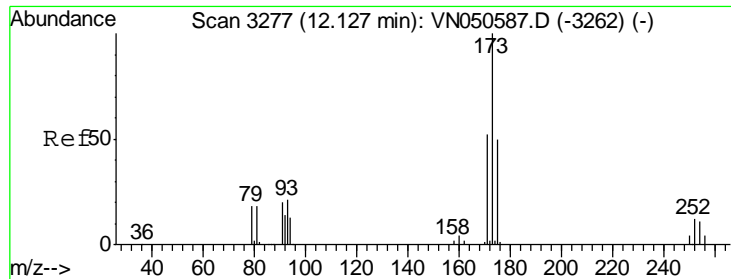
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#70
 Styrene
 Concen: 110.86 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
104	2483146		
104	100		
78	48.6	39.1	58.7
103	55.8	44.9	67.3





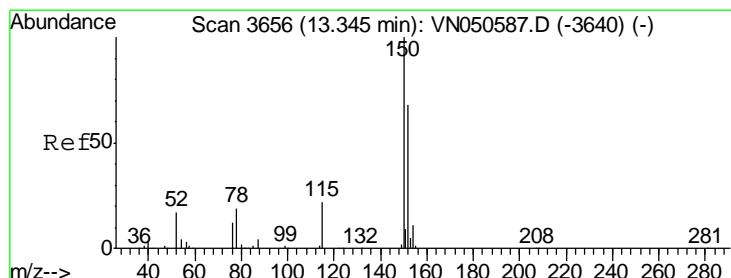
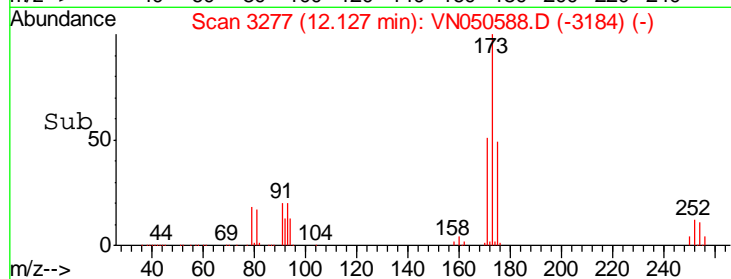
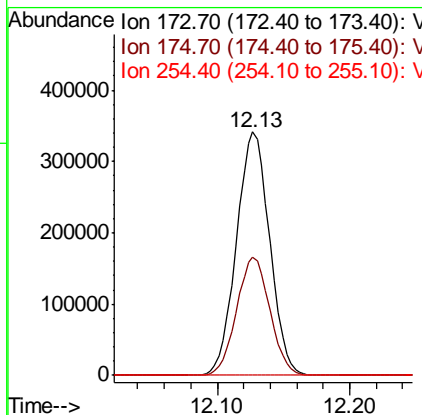
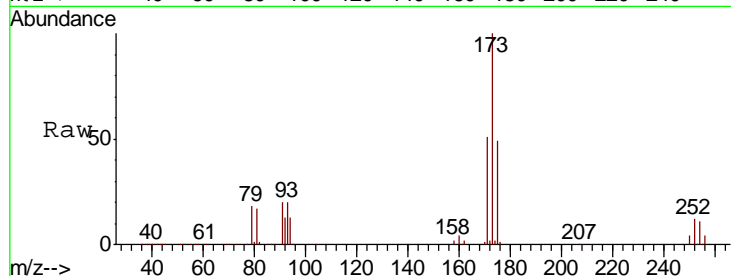
#71
 Bromoform
 Concen: 97.15 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
173	593140		
175	48.6	24.4	73.2
254	0.2	0.0	0.0

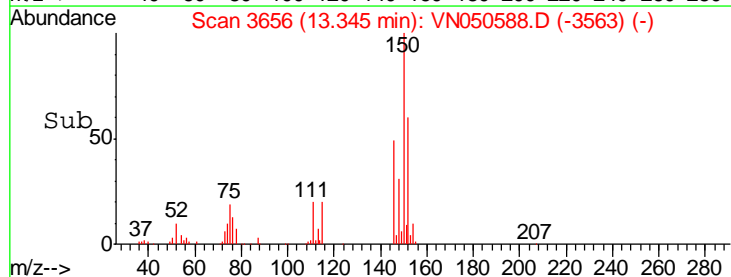
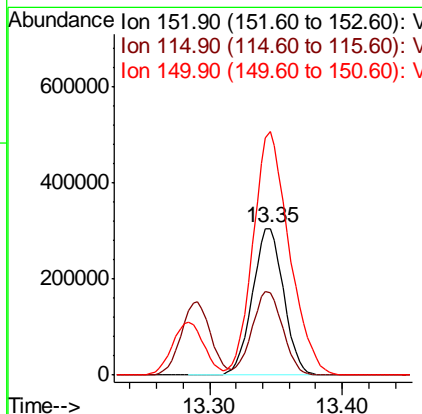
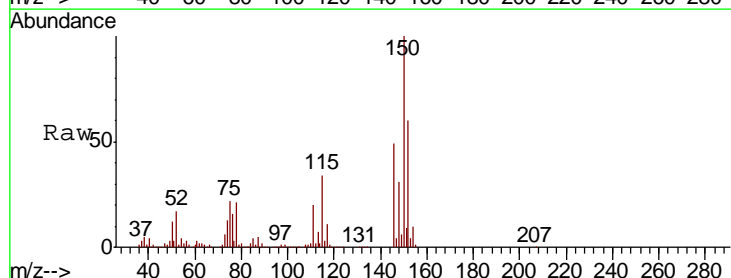
Manual Integrations
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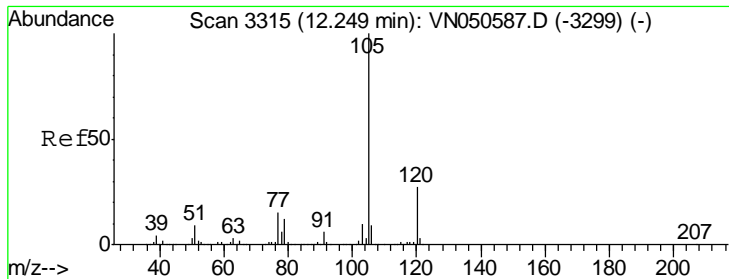
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
152	496968		
152	100		
115	56.1	28.1	84.2
150	193.4	0.0	347.8





#73
 Isopropylbenzene
 Concen: 105.48 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

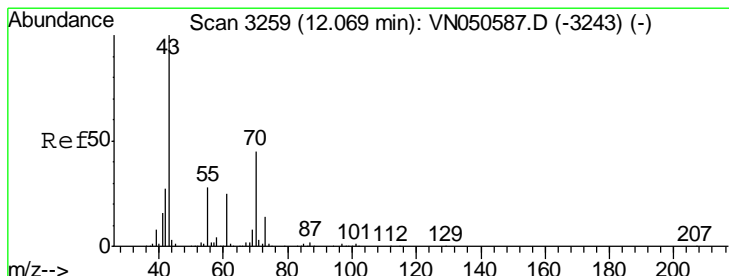
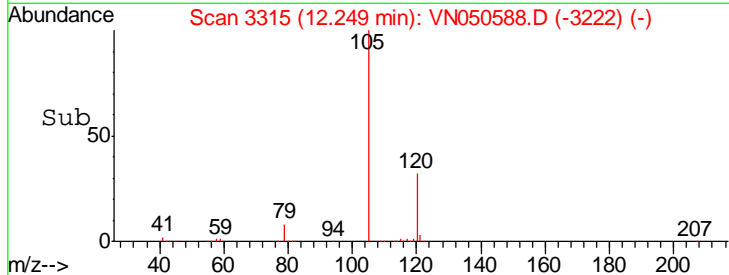
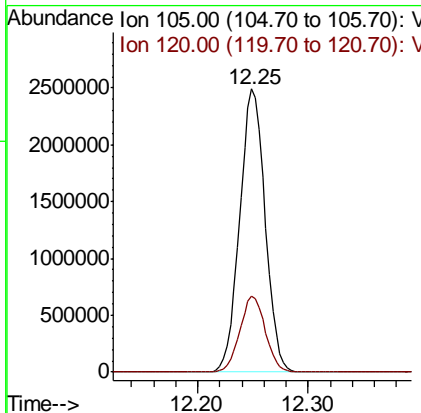
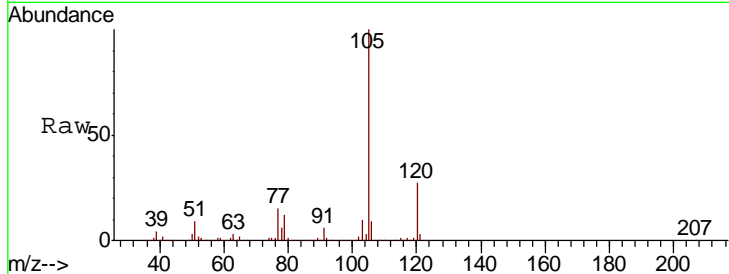
Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion: 105 Resp: 3963289

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.1

Manual Integrations
 APPROVED

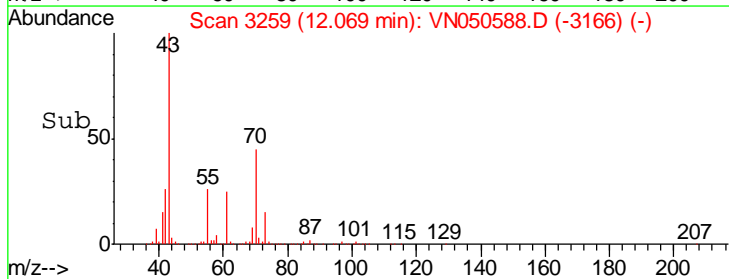
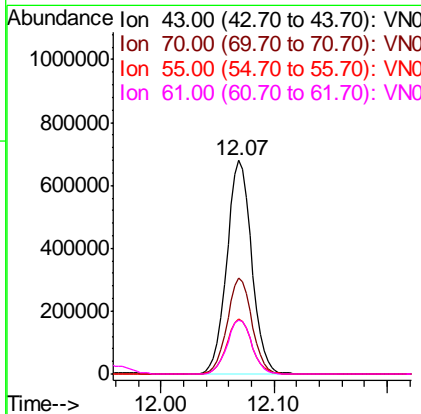
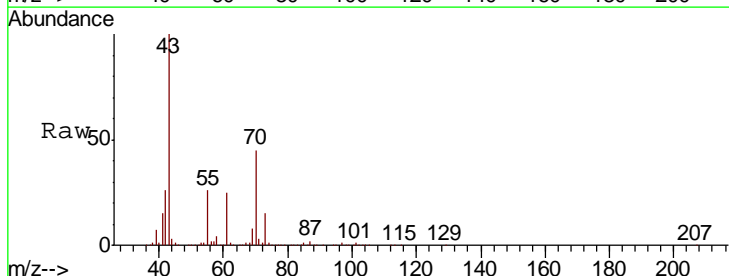
MMDadoda
 8/15/2018 3:21:42 PM

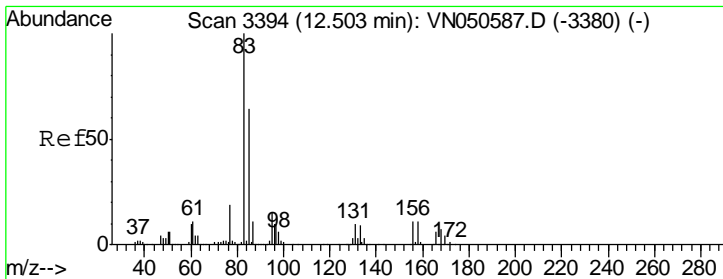


#74
 N-nyl acetate
 Concen: 88.20 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 43 Resp: 1036431

Ion	Ratio	Lower	Upper
43	100		
70	44.7	35.9	53.9
55	26.2	22.2	33.4
61	25.4	20.0	30.0





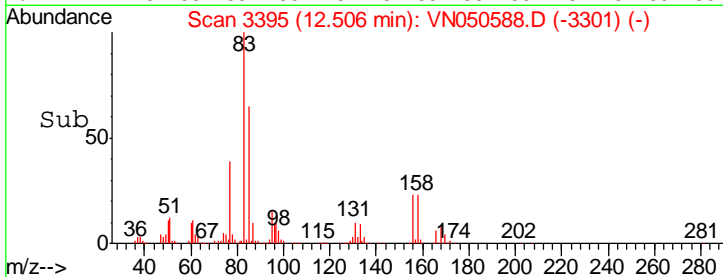
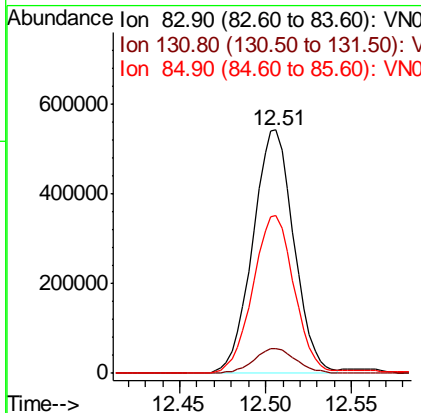
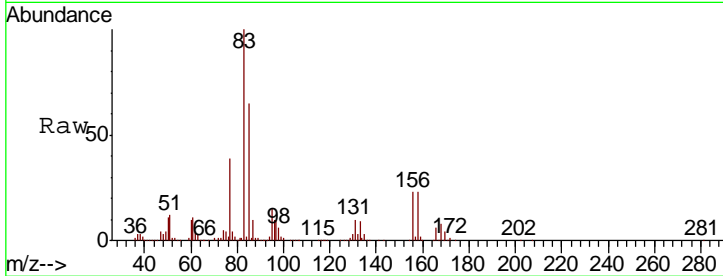
#75
 1,1,2,2-Tetrachloroethane
 Concen: 84.59 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	65.1	32.1	96.5

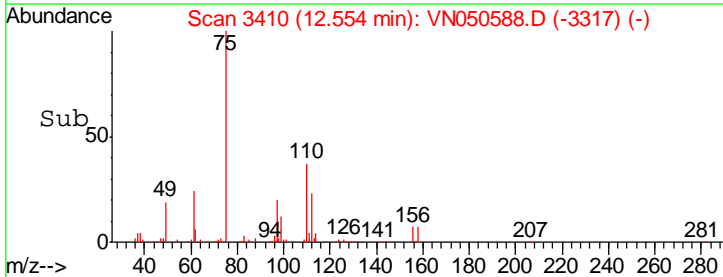
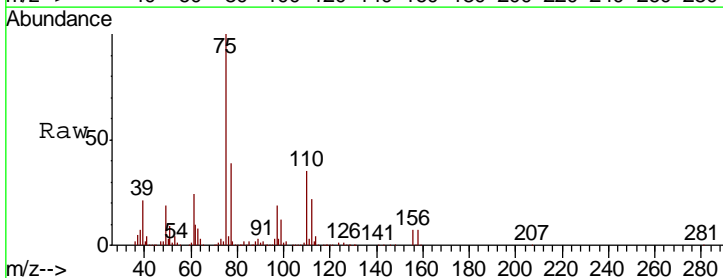
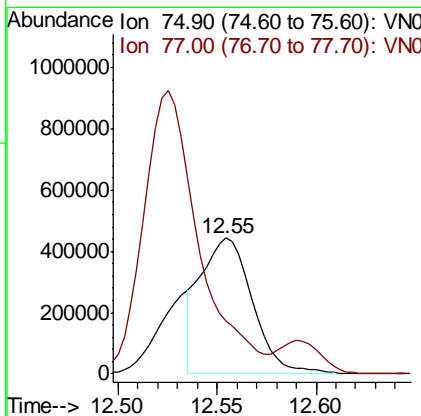
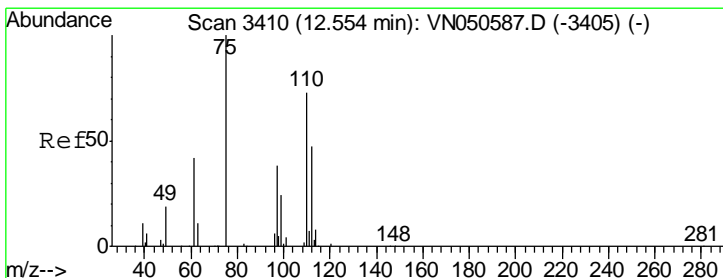
Manual Integrations
 APPROVED

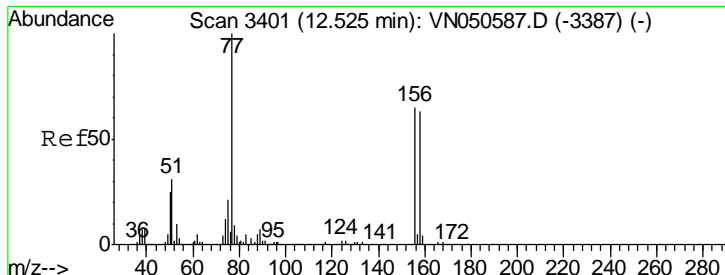
MMDadoda
 8/15/2018 3:21:42 PM



#76
 1,2,3-Trichloropropane
 Concen: 90.03 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	0.0	0.0





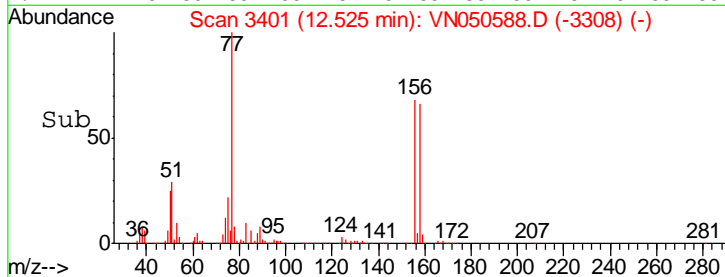
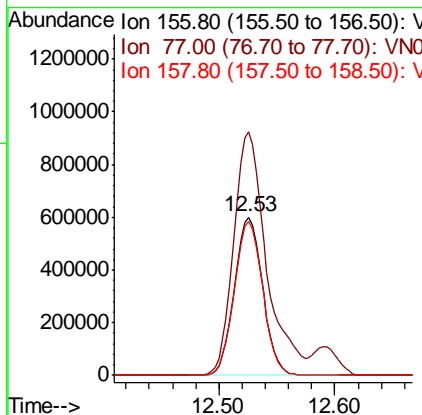
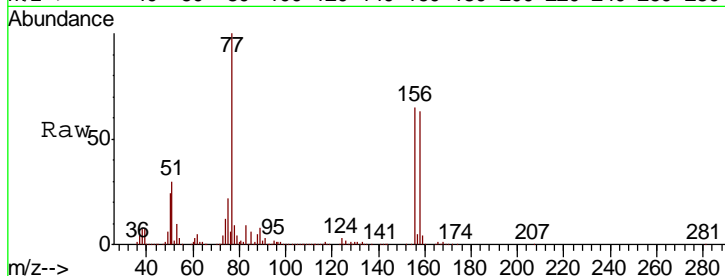
#77
 Bromobenzene
 Concen: 100.39 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
156	1009227		
77	177.9	89.0	267.1
158	97.8	48.5	145.6

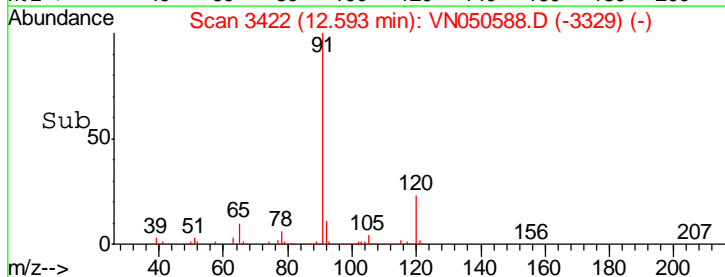
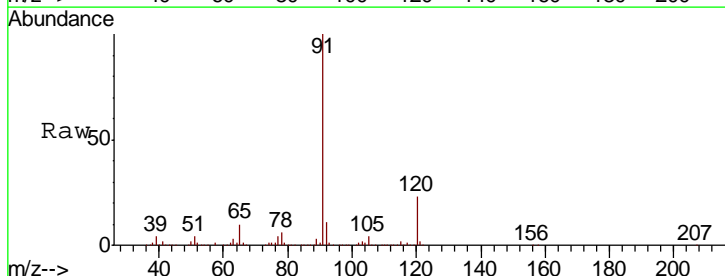
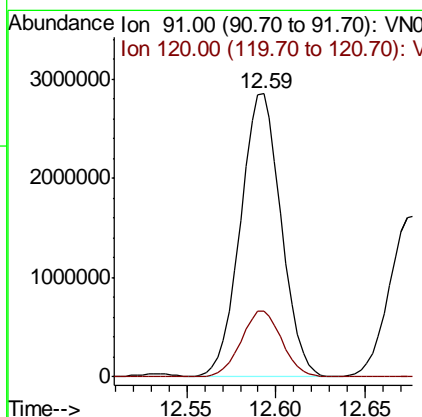
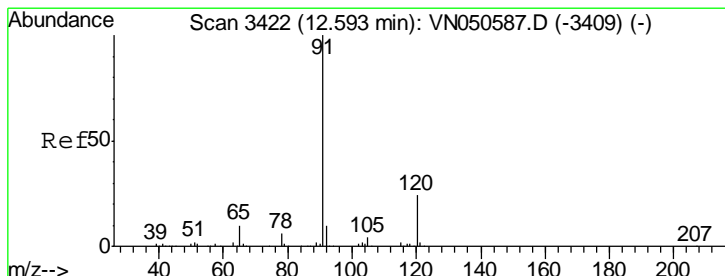
Manual Integrations
 APPROVED

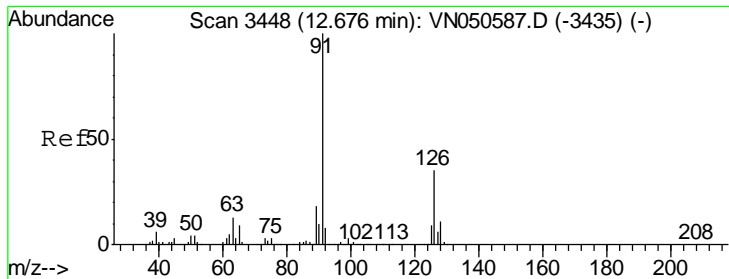
MMDadoda
 8/15/2018 3:21:42 PM



#78
 n-propylbenzene
 Concen: 106.58 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
91	4528598		
120	23.4	11.8	35.4





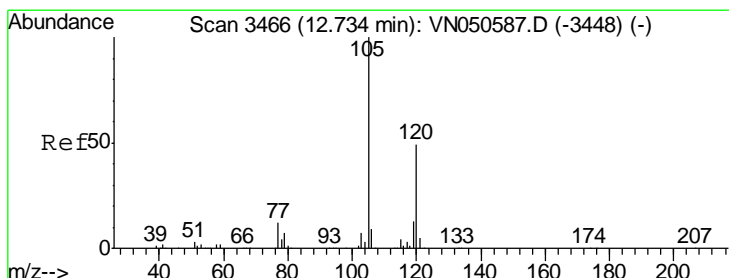
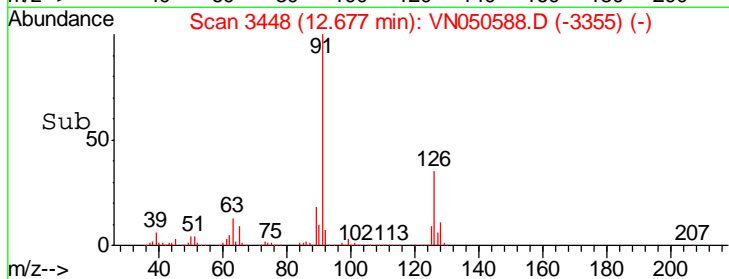
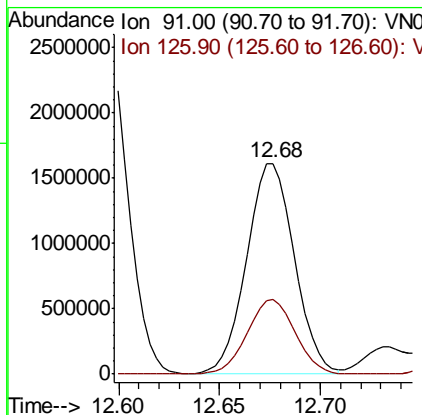
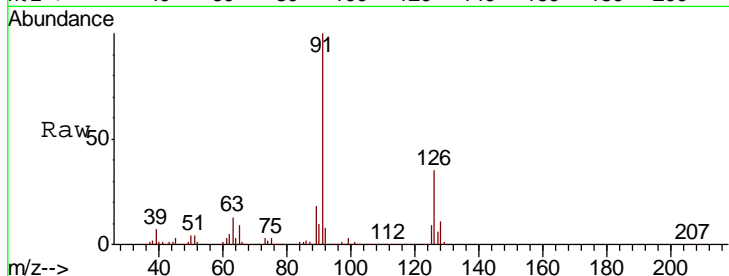
#79
 2-Chlorotoluene
 Concen: 101.84 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.5	17.6	52.8

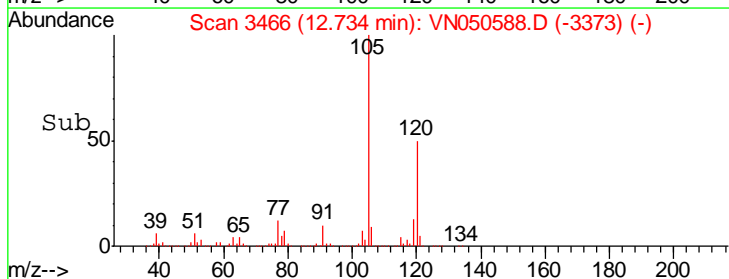
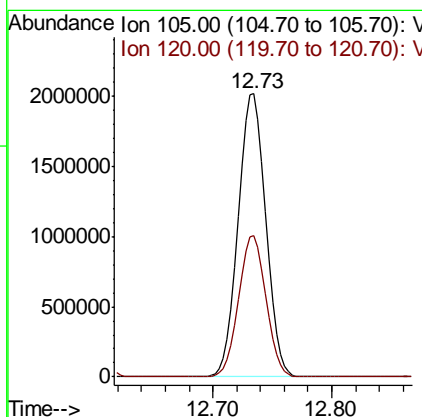
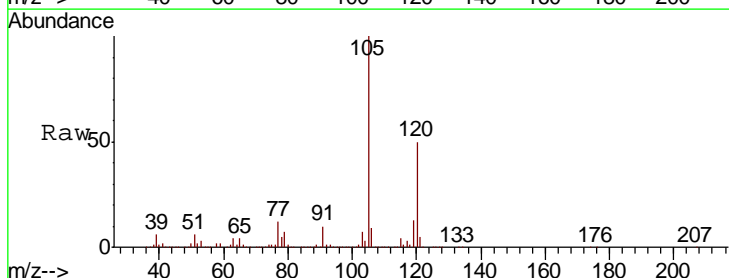
Manual Integrations
 APPROVED

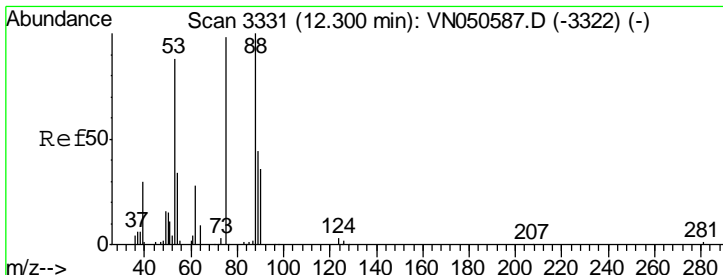
MMDadoda
 8/15/2018 3:21:42 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 106.44 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
105	100		
120	49.5	24.7	74.1





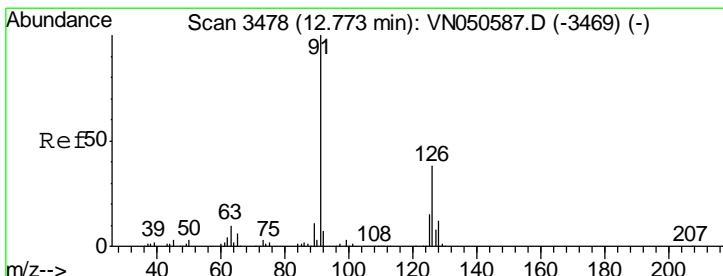
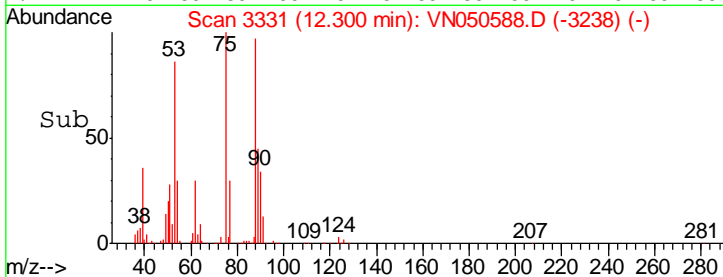
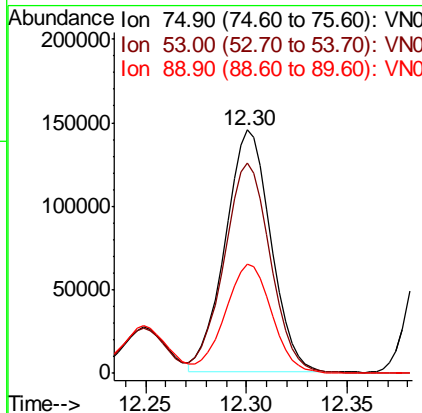
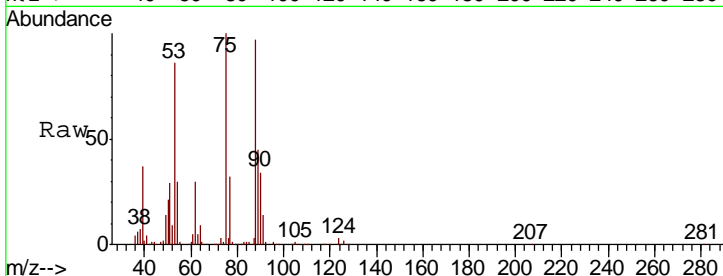
#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.46 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
75	100		
53	89.2	72.2	108.2
89	46.2	36.3	54.5

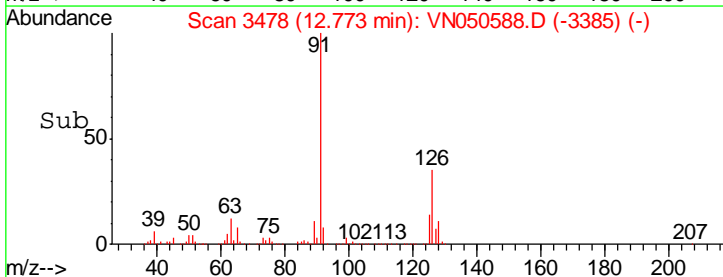
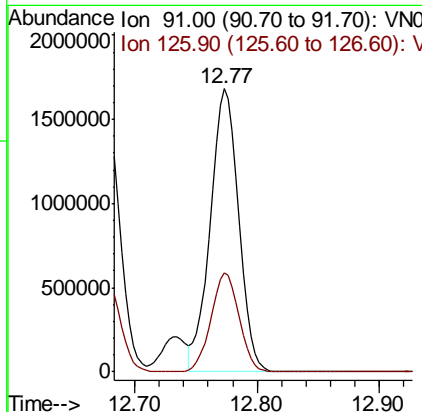
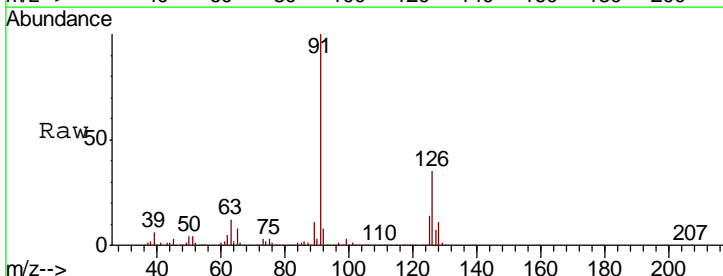
Manual Integrations
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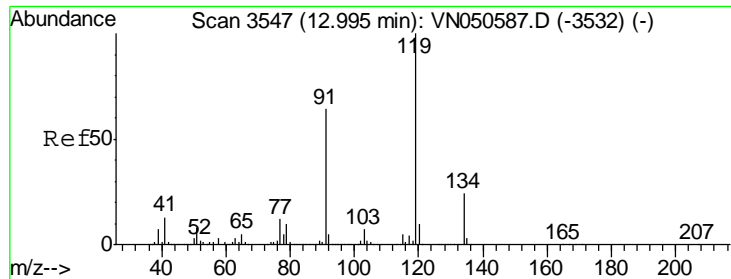
MMDadoda
 8/15/2018 3:21:42 PM



#82
 4-Chlorotoluene
 Concen: 104.73 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.7	17.3	52.0





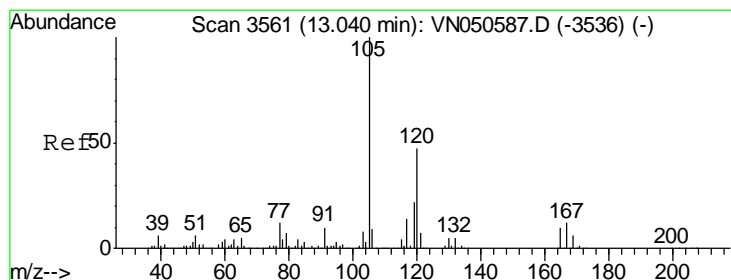
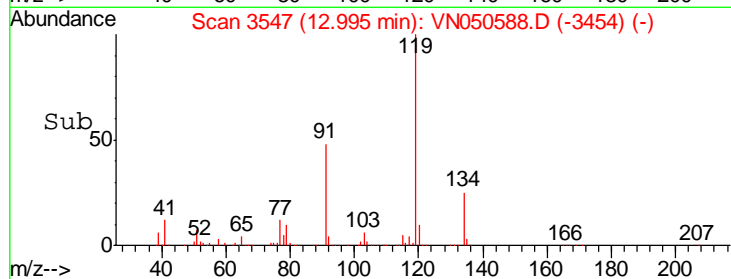
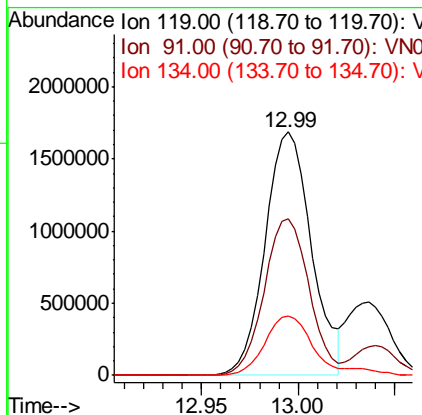
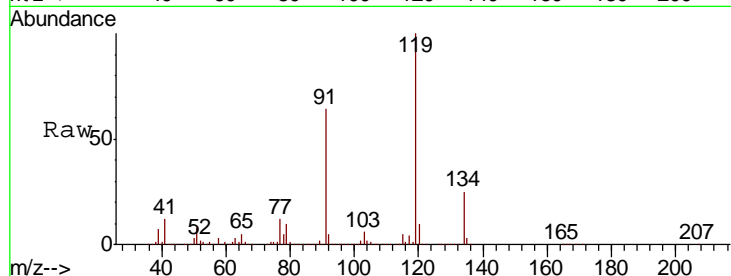
#83
 tert-Butylbenzene
 Concen: 106.29 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 ClientSampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
119	2814820		
91	62.2	32.2	96.6
134	26.3	13.4	40.2

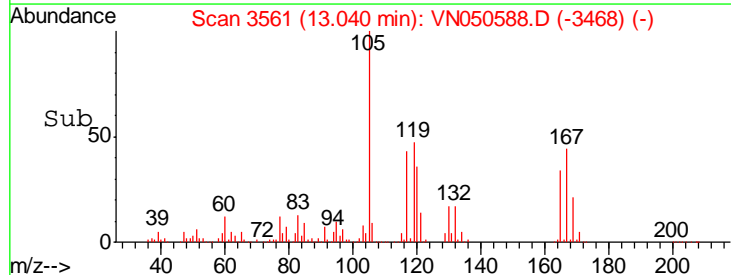
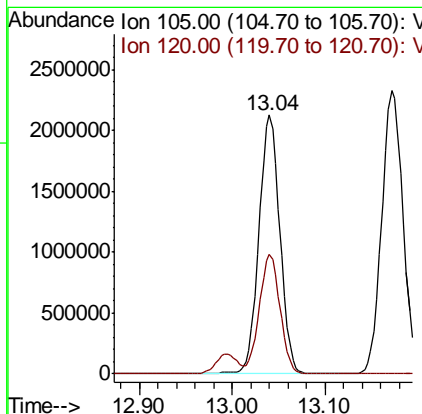
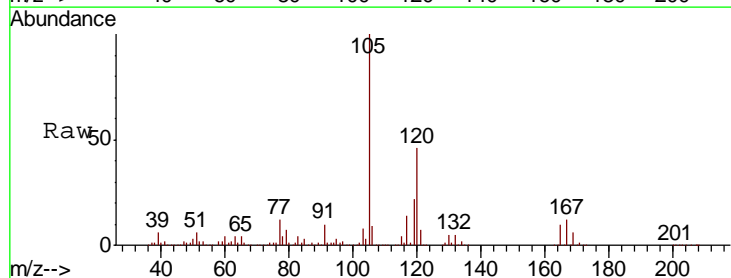
Manual Integrations
 APPROVED

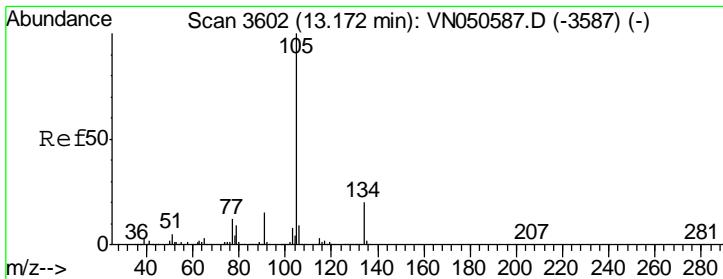
MMDadoda
 8/15/2018 3:21:42 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 107.90 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
105	3325036		
120	45.9	23.2	69.5





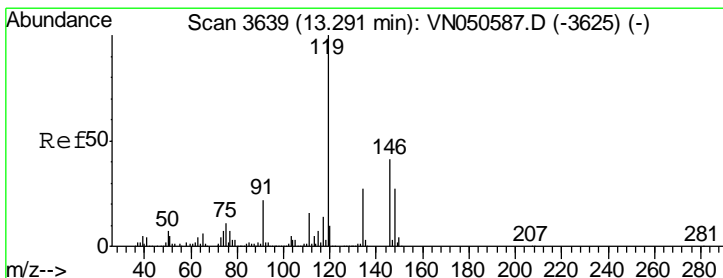
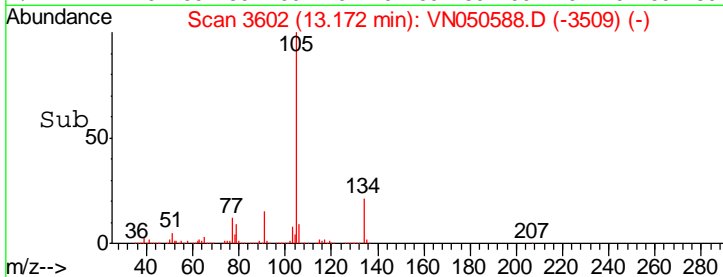
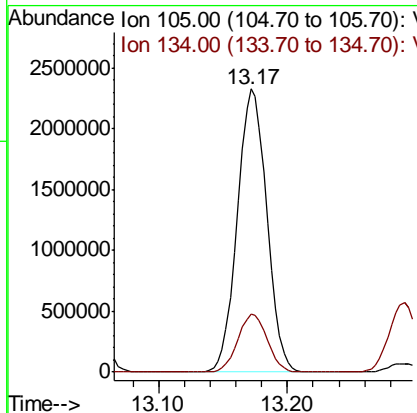
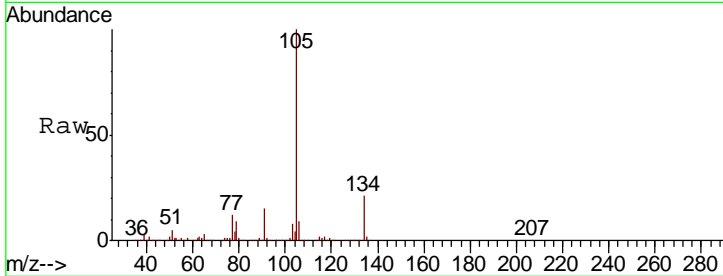
#85
 sec-Butylbenzene
 Concen: 104.25 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
105	100		
134	20.5	10.1	30.3

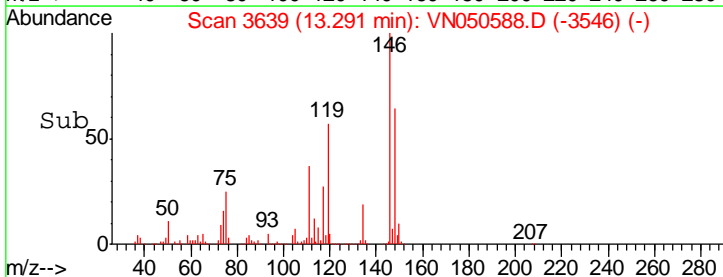
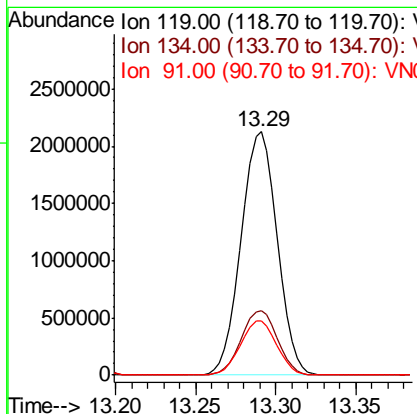
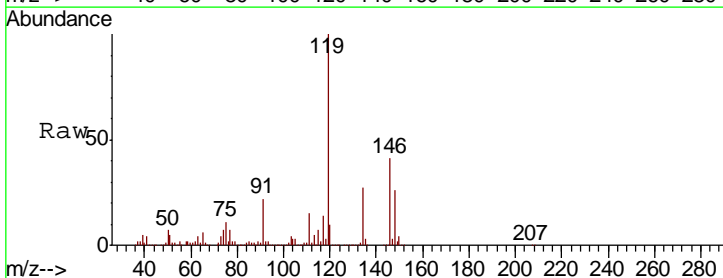
Manual Integrations
APPROVED

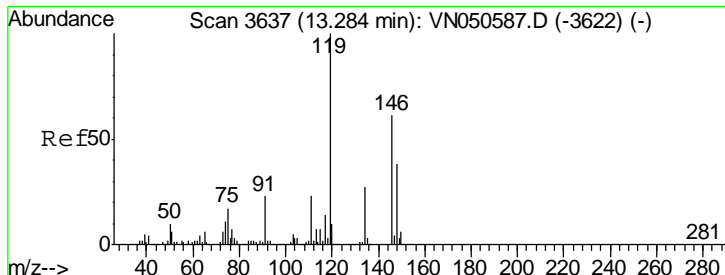
MMDadoda
 8/15/2018 3:21:42 PM



#86
 p-Isopropyltoluene
 Concen: 107.78 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.7	13.5	40.4
91	22.3	11.2	33.6





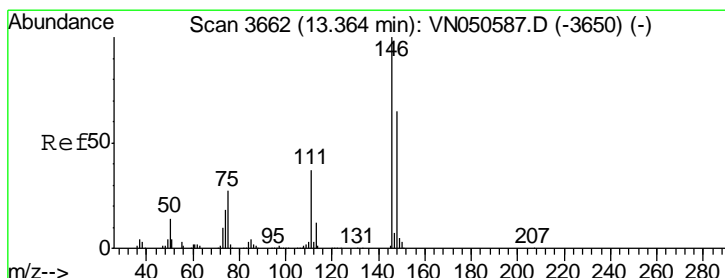
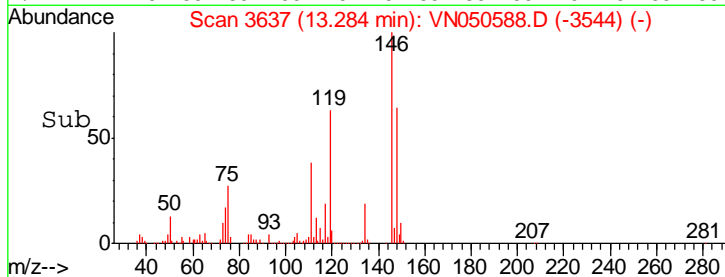
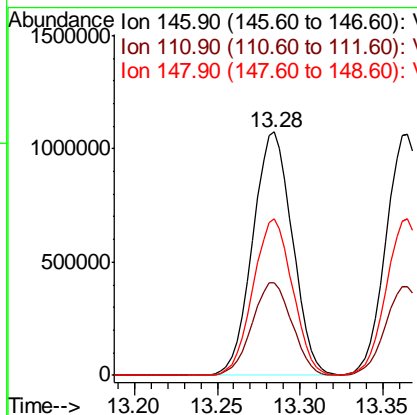
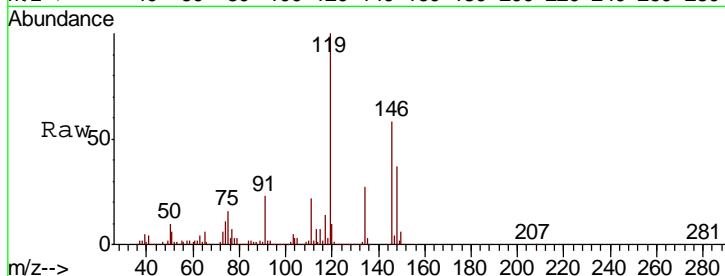
#87
 1,3-Dichlorobenzene
 Concen: 100.18 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	1786606		
146	100		
111	38.2	19.2	57.6
148	63.8	31.9	95.7

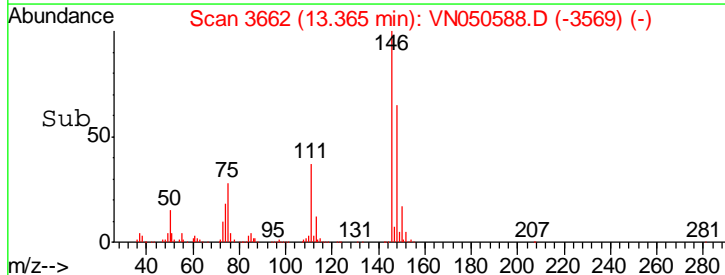
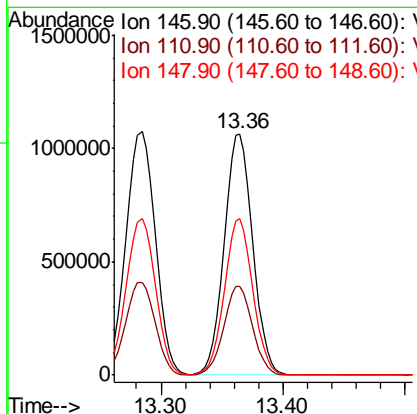
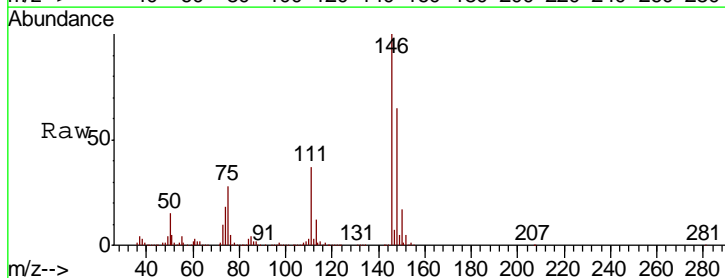
Manual Integrations
 APPROVED

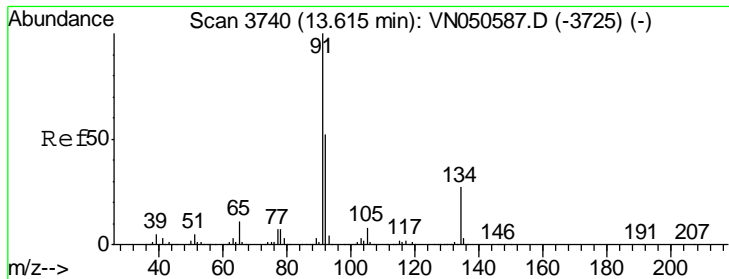
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 8/15/2018 3:21:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 98.25 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
146	1747856		
146	100		
111	37.1	18.8	56.4
148	64.3	32.3	96.8





#89
 n-Butylbenzene
 Concen: 105.24 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

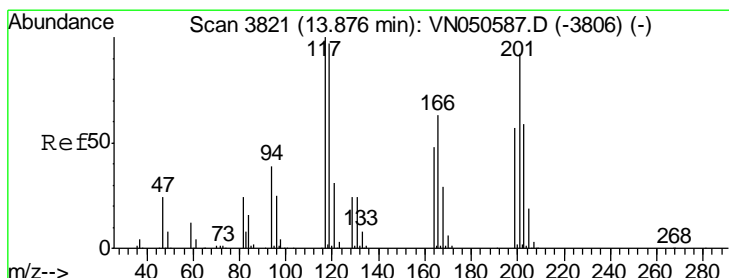
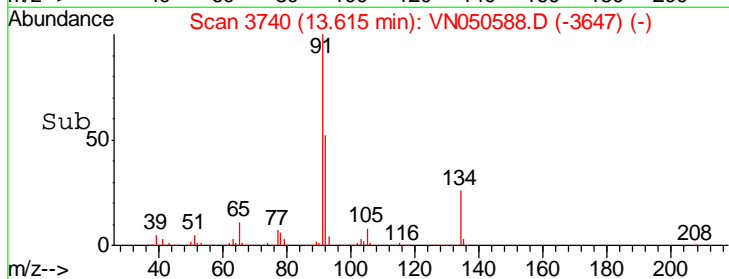
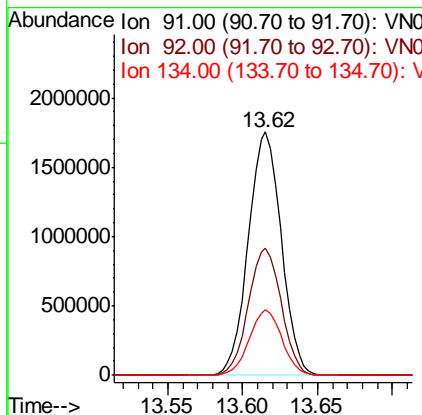
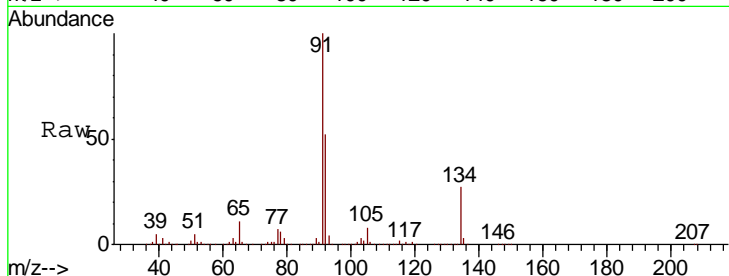
Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion: 91 Resp: 2692785

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	26.6	13.3	39.9

Manual Integrations
 APPROVED

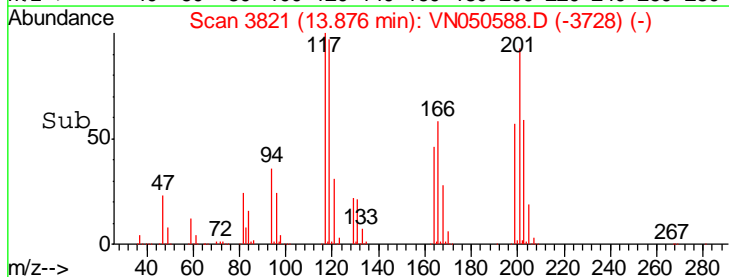
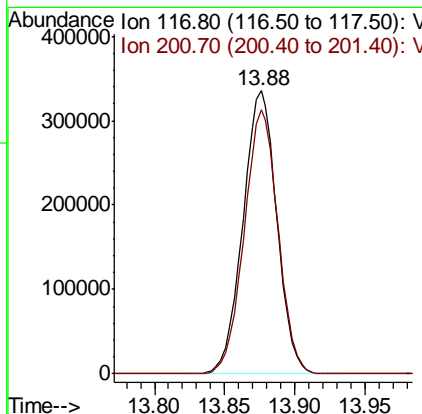
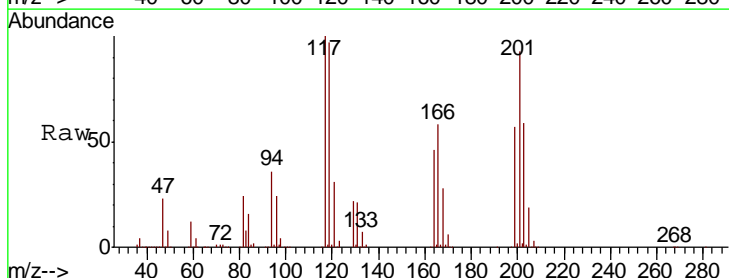
MMDadoda
 8/15/2018 3:21:42 PM

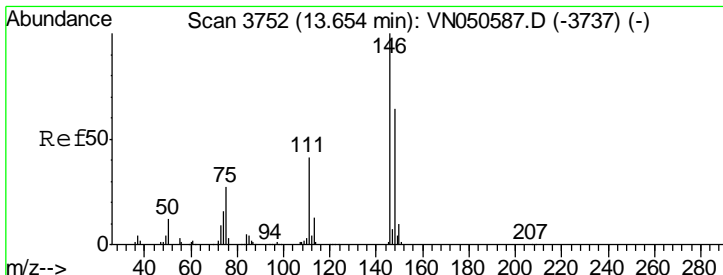


#90
 Hexachloroethane
 Concen: 103.78 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 117 Resp: 563638

Ion	Ratio	Lower	Upper
117	100		
201	93.1	45.5	136.5





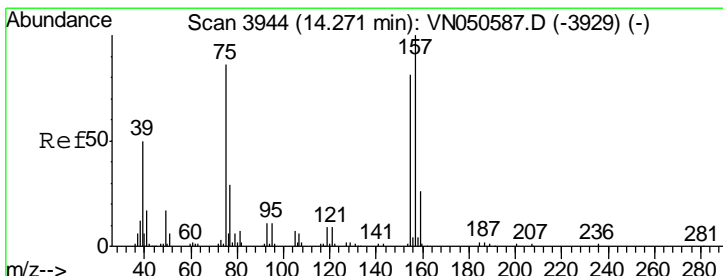
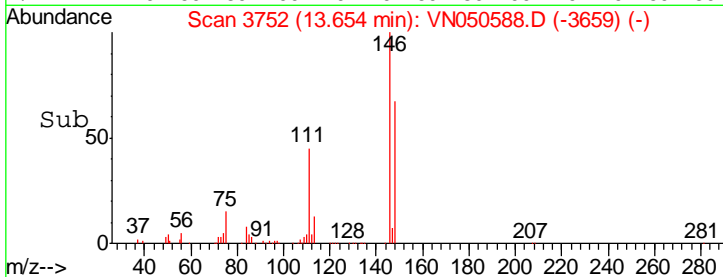
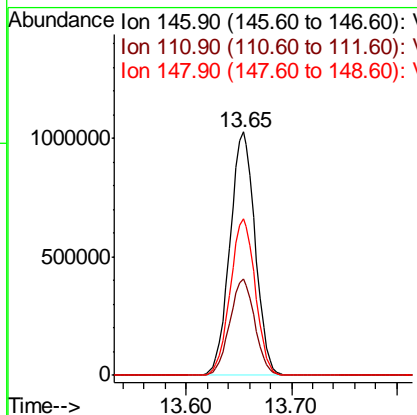
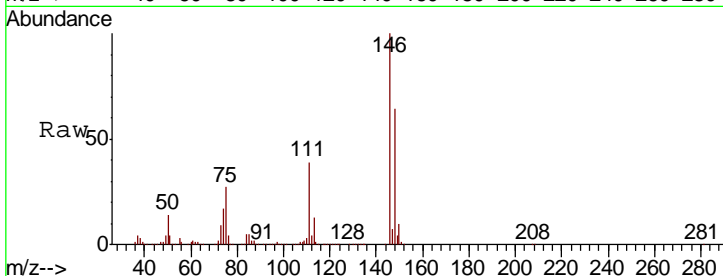
#91
 1,2-Dichlorobenzene
 Concen: 94.90 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
146	1689473		
111	39.3	19.8	59.4
148	64.2	32.3	96.8

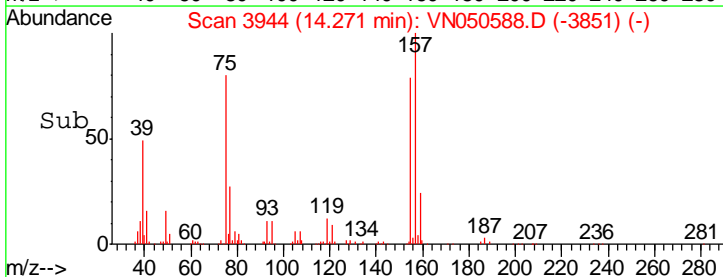
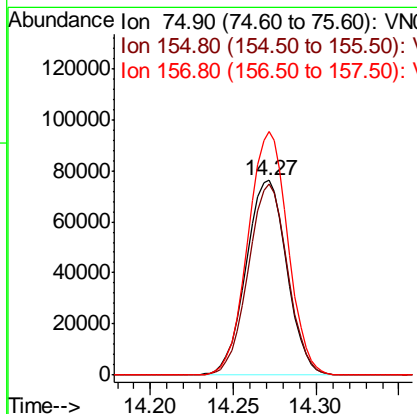
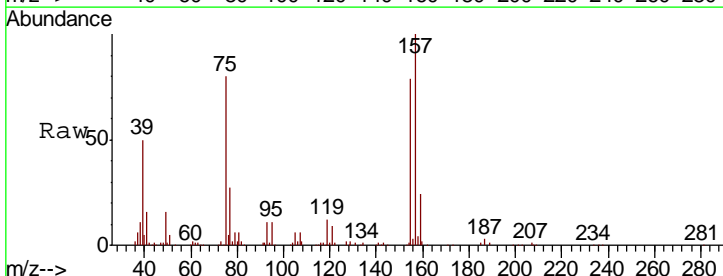
Manual Integrations
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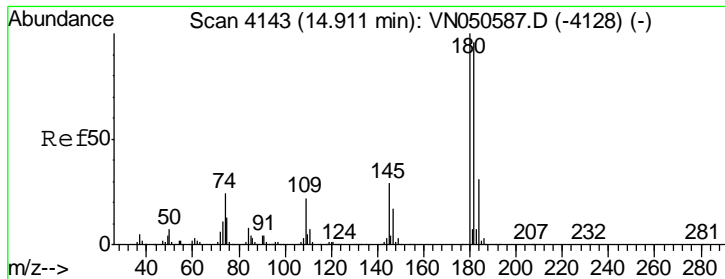
MMDadoda
 8/15/2018 3:21:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.04 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
75	130946		
155	94.5	46.6	139.8
157	122.0	58.1	174.2





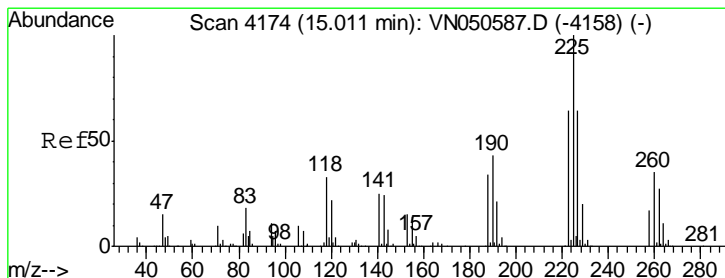
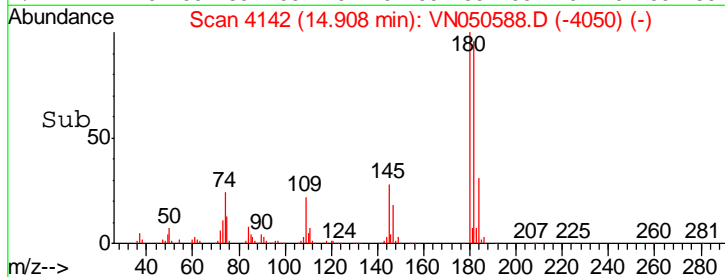
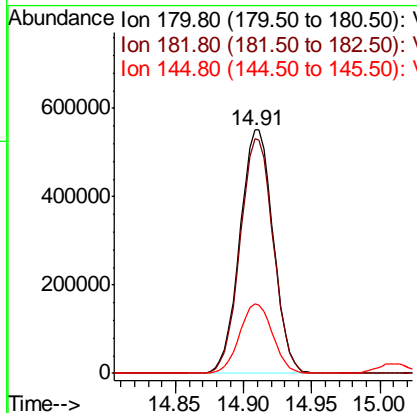
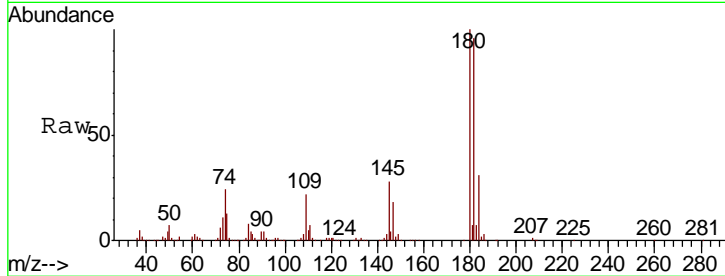
#93
 1,2,4-Trichlorobenzene
 Concen: 104.48 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC100

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	28.3	14.4	43.4

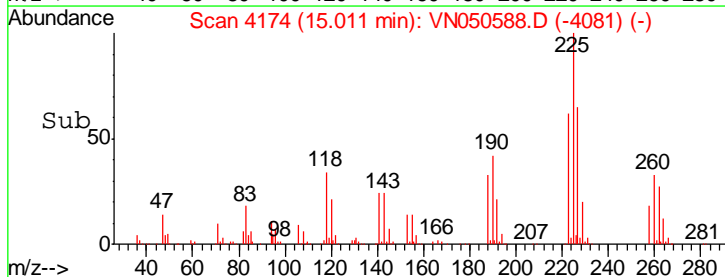
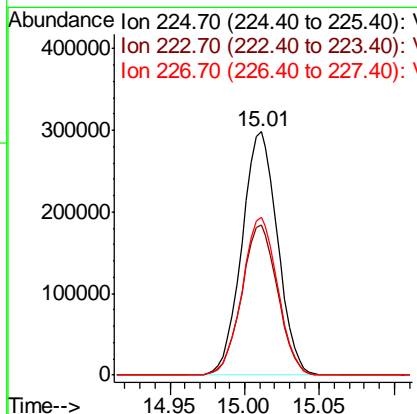
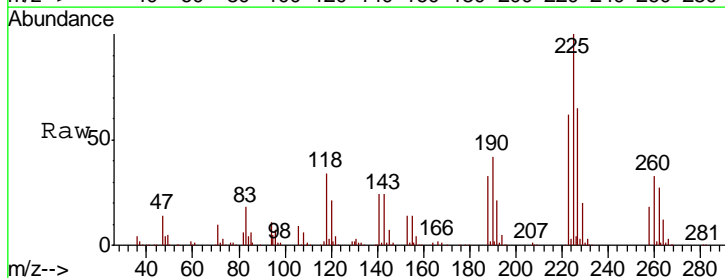
Manual Integrations
 APPROVED

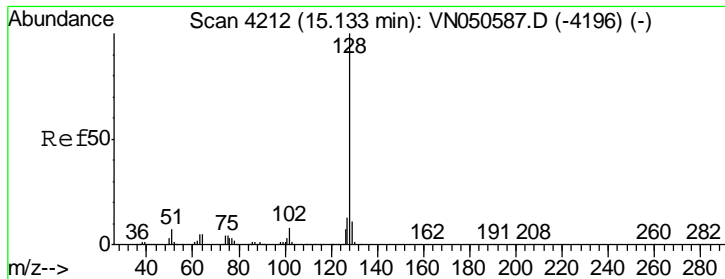
MMDadoda
 8/15/2018 3:21:42 PM



#94
 Hexachlorobutadiene
 Concen: 75.87 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.1	32.1	96.3
227	64.7	32.0	96.2





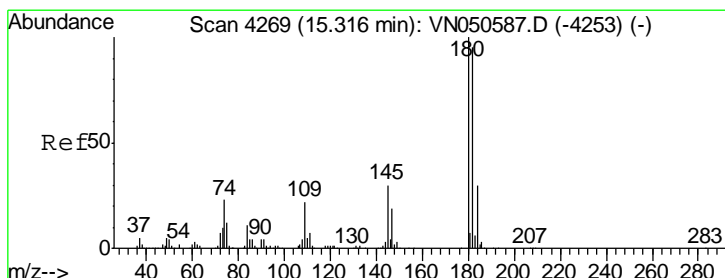
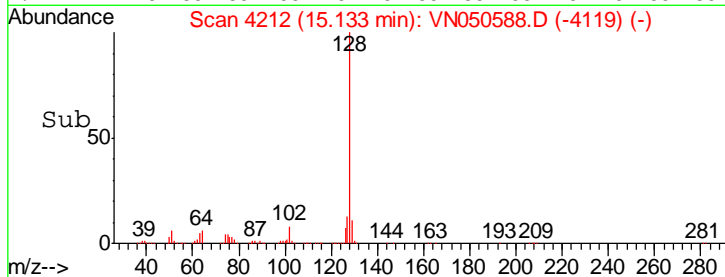
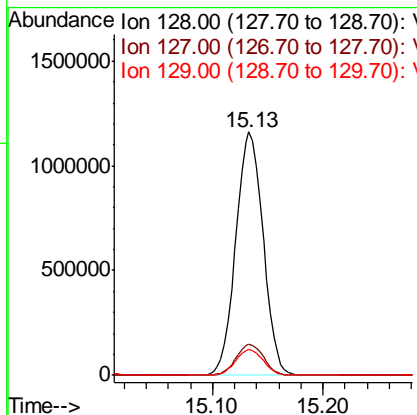
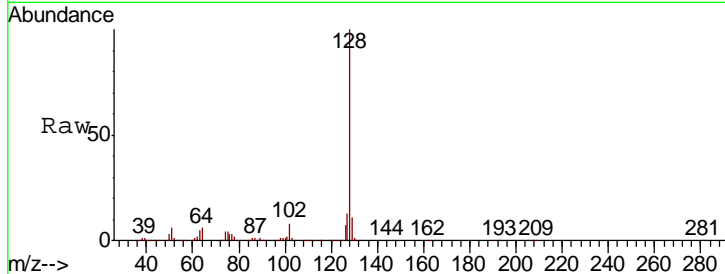
#95
 Naphthalene
 Concen: 98.57 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument : MSVOA_N
 Client Sampled : VSTDIC100

Tgt Ion	Resp	Lower	Upper
128	1994372		
127	12.9	10.3	15.5
129	10.8	8.5	12.7

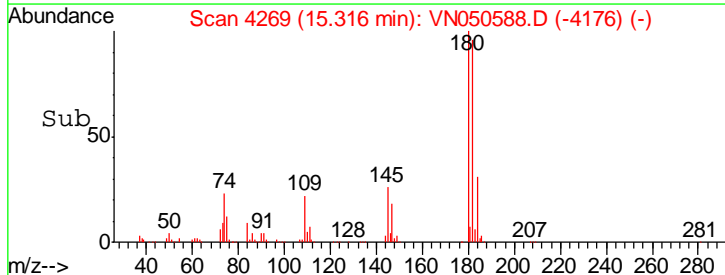
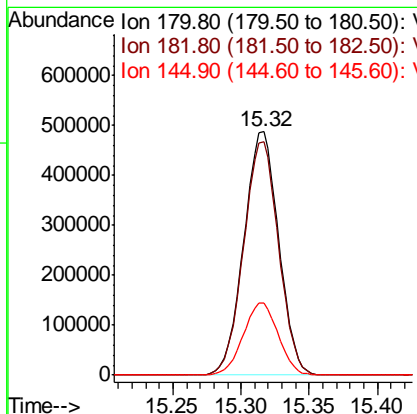
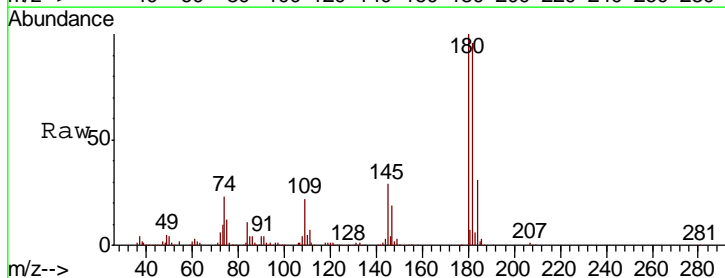
Manual Integrations
 APPROVED

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 8/15/2018 3:21:42 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 95.78 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Resp	Lower	Upper
180	866071		
182	96.2	47.3	141.8
145	29.8	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050589.D
 Acq On : 14 Aug 2018 1:49
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:47 PM

Quant Time: Aug 14 07:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	706440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1024229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	540148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1253849	133.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	267.76%	
35) Dibromofluoromethane	7.59	113	1183100	143.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.54%	
50) Toluene-d8	10.09	98	4666396	150.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.70%	
62) 4-Bromofluorobenzene	12.40	95	1663786	158.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1101515	140.34	ug/l	98
3) Chloromethane	2.06	50	1446420	138.02	ug/l	99
4) Vinyl Chloride	2.18	62	1437398	141.32	ug/l	99
5) Bromomethane	2.54	94	806473	129.36	ug/l	98
6) Chloroethane	2.69	64	852572	136.67	ug/l	100
7) Trichlorofluoromethane	3.01	101	1849866	141.08	ug/l	100
8) Diethyl Ether	3.41	74	673520	141.30	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1130733	139.41	ug/l	100
10) Methyl Iodide	3.95	142	1019146	260.13	ug/l	100
11) Tert butyl alcohol	4.79	59	376885	535.64	ug/l	100
12) 1,1-Dichloroethene	3.73	96	1086117	142.35	ug/l	99
13) Acrolein	3.61	56	136332	181.08	ug/l	99
14) Allyl chloride	4.32	41	1761176	144.90	ug/l	98
15) Acrylonitrile	4.99	53	2002087	647.68	ug/l	100
16) Acetone	3.82	43	1665488	564.64	ug/l	100
17) Carbon Disulfide	4.05	76	3410958	137.44	ug/l	100
18) Methyl Acetate	4.33	43	933705	111.03	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2980595	140.07	ug/l	100
20) Methylene Chloride	4.55	84	1241189	118.19	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	1182866	143.34	ug/l	98
22) Diisopropyl ether	5.95	45	3651942	146.43	ug/l	99
23) Vinyl Acetate	5.90	43	12535281	715.68	ug/l	99
24) 1,1-Dichloroethane	5.85	63	2151637	140.15	ug/l	100
25) 2-Butanone	6.84	43	2725228	606.99	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1420035	115.71	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1331592	145.82	ug/l	100
28) Bromochloromethane	7.20	49	1003208	141.76	ug/l	100
29) Tetrahydrofuran	7.21	42	1442875	599.08	ug/l	99
30) Chloroform	7.37	83	2135561	139.19	ug/l	99
31) Cyclohexane	7.65	56	2008897	130.68	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1866689	141.67	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1727490	153.73	ug/l	100
37) Ethyl Acetate	6.93	43	998104	128.34	ug/l	100
38) Carbon Tetrachloride	7.77	117	1681589	143.45	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050589.D
 Acq On : 14 Aug 2018 1:49
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Manual Integrations
 APPROVED

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 8/15/2018 3:21:47 PM

Quant Time: Aug 14 07:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1949005	158.98	ug/l	98
40) Benzene	8.04	78	5091897	147.18	ug/l	100
41) Methacrylonitrile	7.18	41	576767	137.35	ug/l	97
42) 1,2-Dichloroethane	8.12	62	1523766	140.04	ug/l	100
43) Isopropyl Acetate	8.17	43	1778981	131.06	ug/l #	86
44) Trichloroethene	8.84	130	1349953	145.08	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1336624	147.03	ug/l	99
46) Dibromomethane	9.21	93	771563	138.95	ug/l	99
47) Bromodichloromethane	9.40	83	1687827	145.30	ug/l	100
48) Methyl methacrylate	9.20	41	954905	140.93	ug/l	98
49) 1,4-Dioxane	9.20	88	248428	2411.93	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	6183088	638.00	ug/l	99
52) Toluene	10.16	92	3222169	155.25	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	1766979	153.21	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1970411	152.28	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1119586	139.39	ug/l	99
56) Ethyl methacrylate	10.43	69	1527695	152.84	ug/l	100
57) 1,3-Dichloropropane	10.71	76	1909508	144.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3678405	787.74	ug/l	100
59) 2-Hexanone	10.75	43	4173400	621.00	ug/l	99
60) Dibromochloromethane	10.90	129	1328576	149.94	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1153488	146.34	ug/l	100
64) Tetrachloroethene	10.63	164	1267444	137.80	ug/l	99
65) Chlorobenzene	11.44	112	3611520	146.05	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1308725	145.07	ug/l	100
67) Ethyl Benzene	11.51	91	6297817	157.54	ug/l	99
68) m/p-Xylenes	11.62	106	4816895	316.29	ug/l	100
69) o-Xylene	11.95	106	2344737	160.11	ug/l	99
70) Styrene	11.96	104	3885151	163.59	ug/l	100
71) Bromoform	12.13	173	946516	146.22	ug/l #	100
73) Isopropylbenzene	12.25	105	6151229	150.63	ug/l	99
74) N-amyl acetate	12.07	43	1649602	129.16	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1406880	122.03	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1286327m	131.79	ug/l	
77) Bromobenzene	12.53	156	1593498	145.83	ug/l	100
78) n-propylbenzene	12.59	91	7081288	153.33	ug/l	100
79) 2-Chlorotoluene	12.68	91	4183529	146.57	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	5074200	153.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	374335	138.77	ug/l	96
82) 4-Chlorotoluene	12.77	91	4321332	151.93	ug/l	100
83) tert-Butylbenzene	12.99	119	4398681	152.82	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	5193348	155.06	ug/l	100
85) sec-Butylbenzene	13.17	105	5785147	150.48	ug/l	100
86) p-Isopropyltoluene	13.29	119	5170819	157.18	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2829180	145.96	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2785440	144.05	ug/l	99
89) n-Butylbenzene	13.62	91	4351291	156.47	ug/l	100
90) Hexachloroethane	13.88	117	904433	153.21	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2645282	136.71	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	210169	109.33	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050589.D
 Acq On : 14 Aug 2018 1:49
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
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 8/15/2018 3:21:47 PM

Quant Time: Aug 14 07:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1523574	156.68	ug/l	99
94) Hexachlorobutadiene	15.01	225	772721	109.07	ug/l	98
95) Naphthalene	15.13	128	3322385	151.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1404772	142.94	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

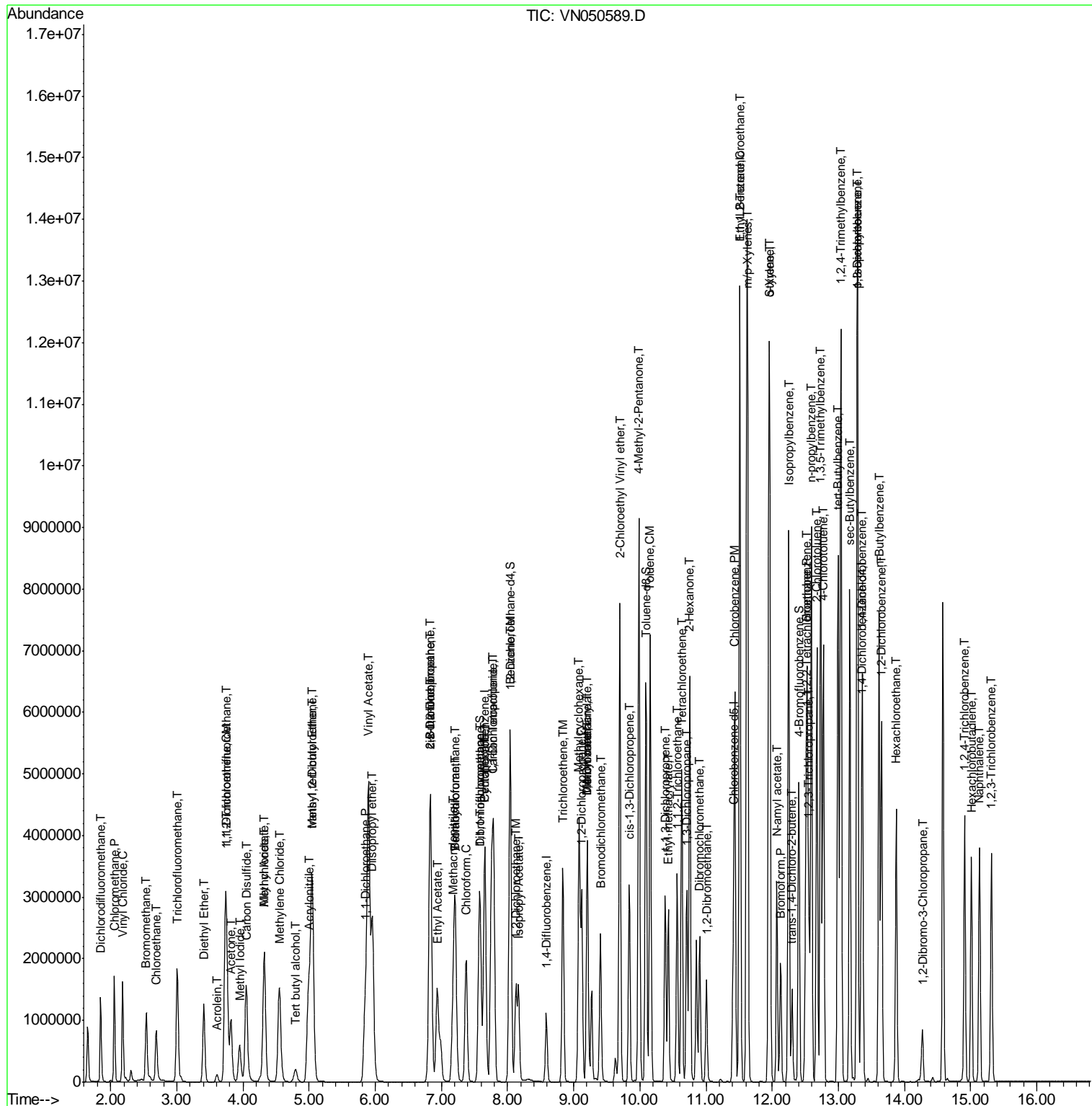
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Data File : VN050589.D
Acq On : 14 Aug 2018 1:49
Operator : MD\SY
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sampled :
VSTDICC150

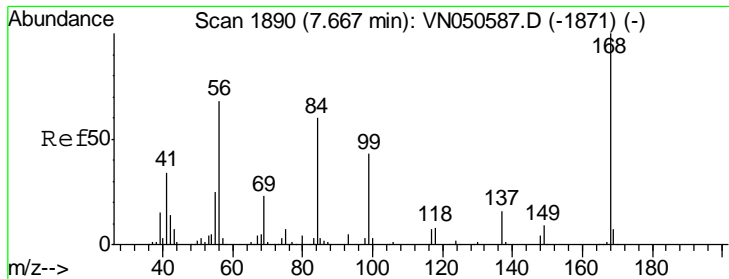
Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:21:47 PM

Quant Time: Aug 14 07:49:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 07:26:24 2018
Response via : Initial Calibration



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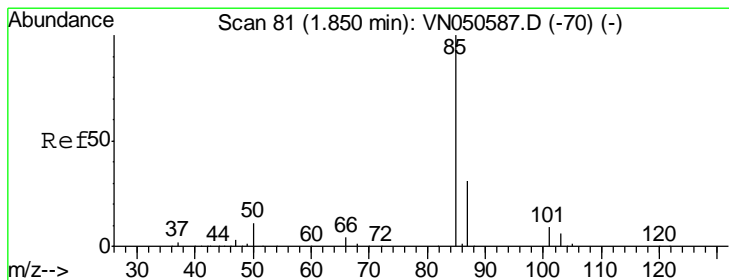
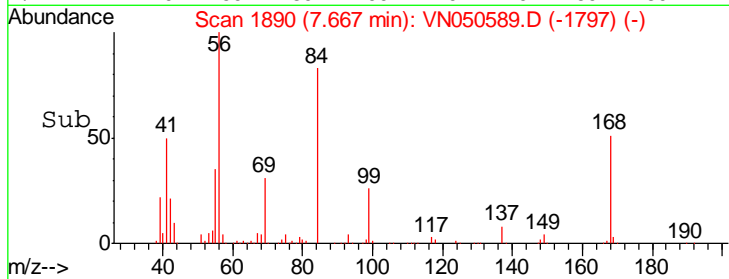
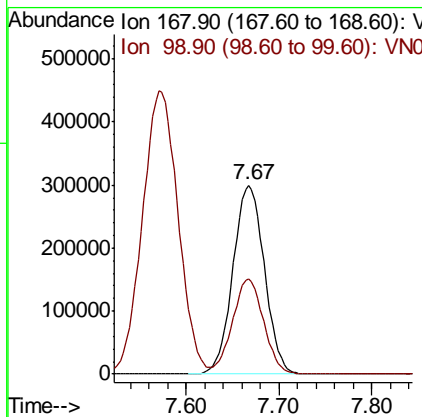
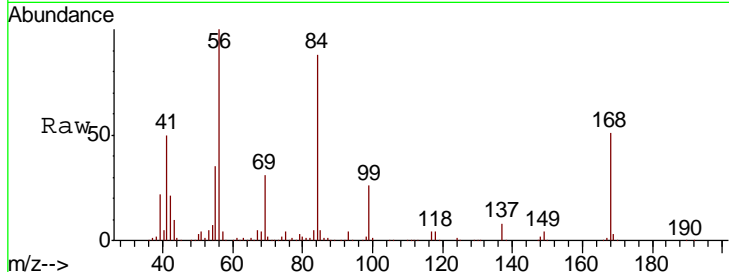
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
168	706440		
99	50.4	40.8	61.2

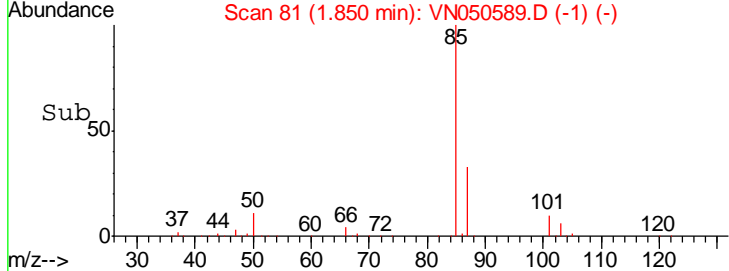
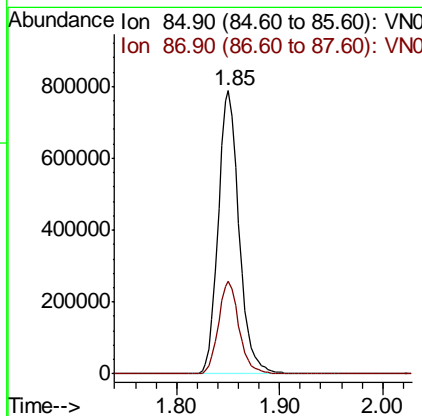
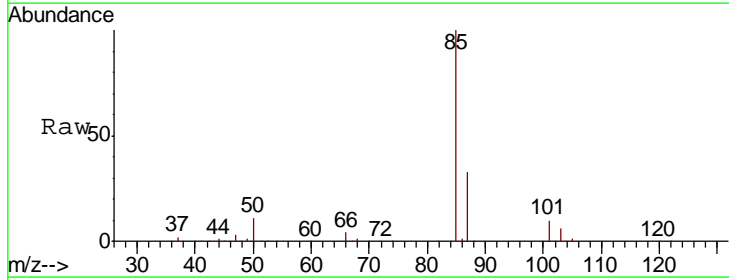
Manual Integrations
 APPROVED

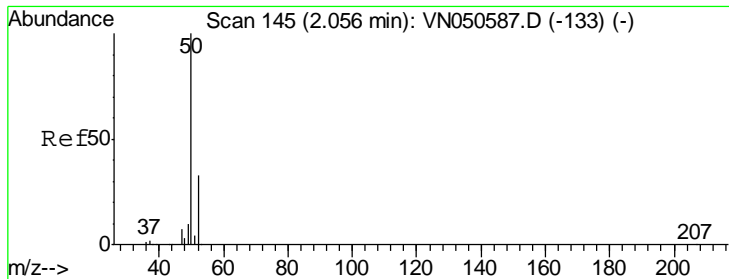
MMDadoda
 8/15/2018 3:21:47 PM



#2
 Dichlorodifluoromethane
 Concen: 140.34 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
85	1101515		
87	32.6	15.8	47.3



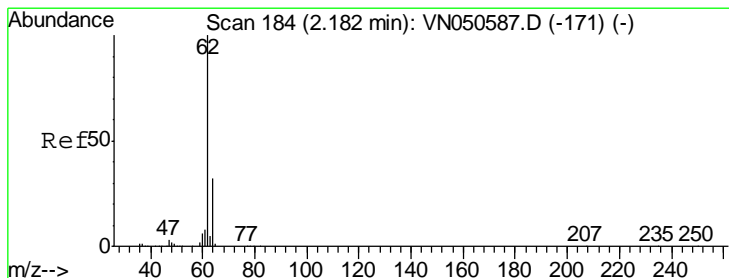
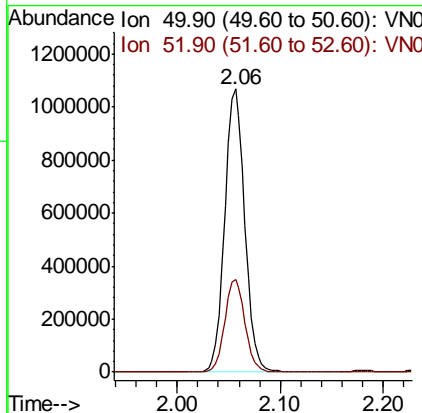
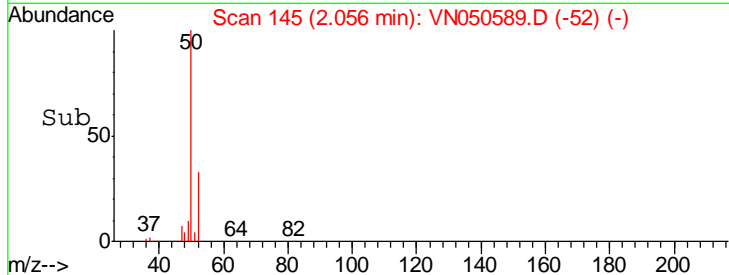
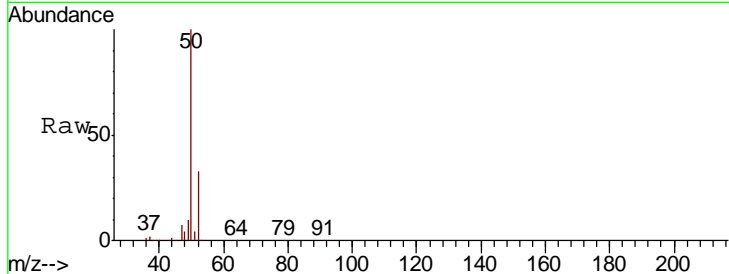


#3
 Chloromethane
 Concen: 138.02 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
50	1446420		
52	33.0	26.0	39.0

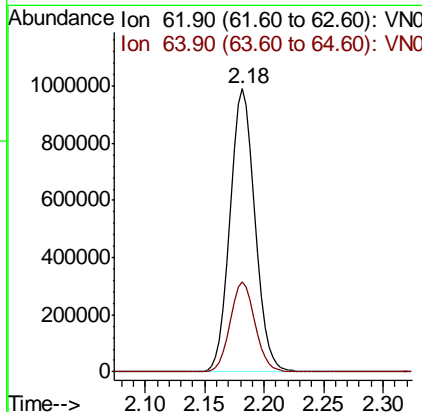
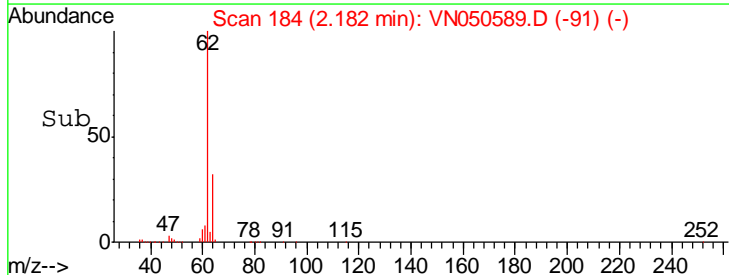
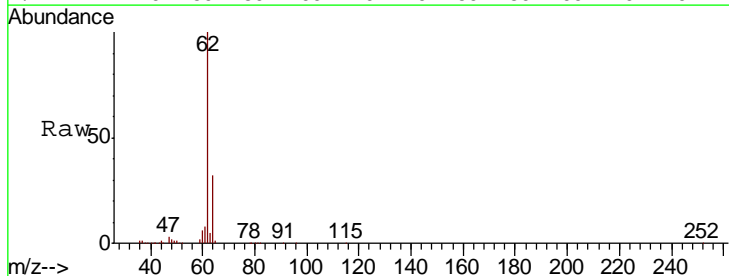
Instrument : MSVOA_N
 ClientSampled : VSTDIC150

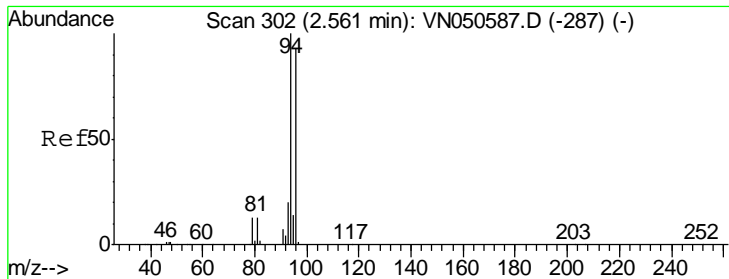
Manual Integrations APPROVED
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#4
 Vinyl Chloride
 Concen: 141.32 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
62	1437398		
64	31.8	25.2	37.8



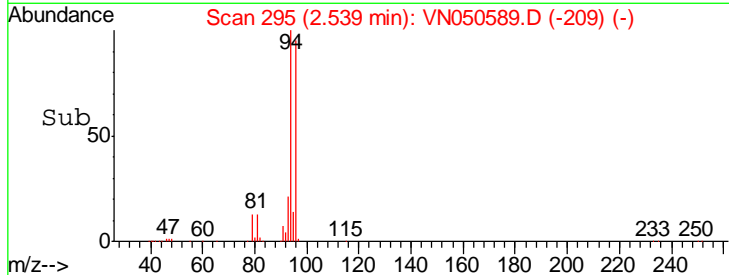
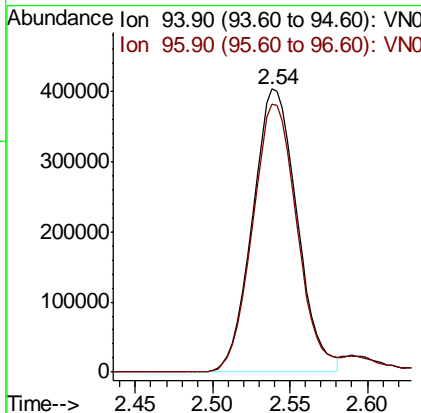
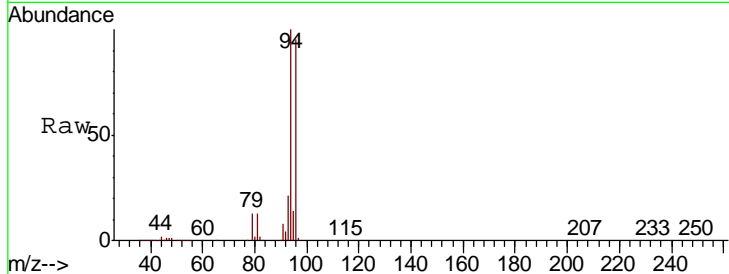


#5
 Bromomethane
 Concen: 129.36 ug/l
 RT: 2.54 min Scan# 295
 Delta R.T. -0.02 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
94	100		
96	94.8	74.0	111.0

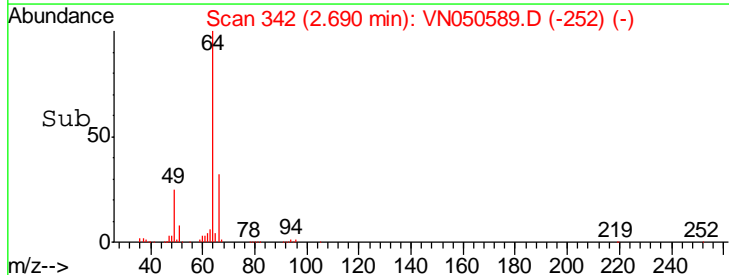
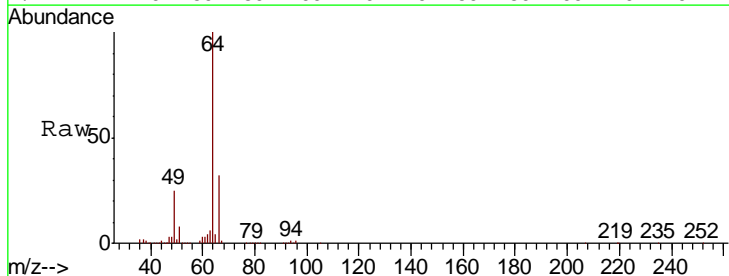
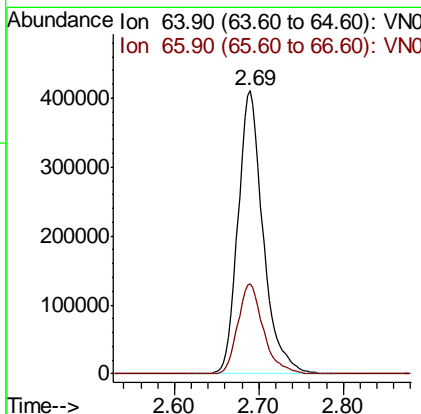
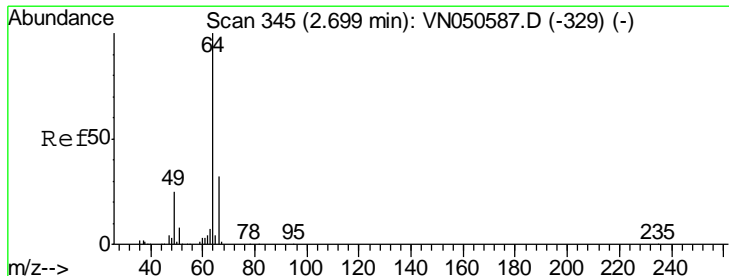
Instrument : MSVOA_N
 Client Sampled : VSTDIC150

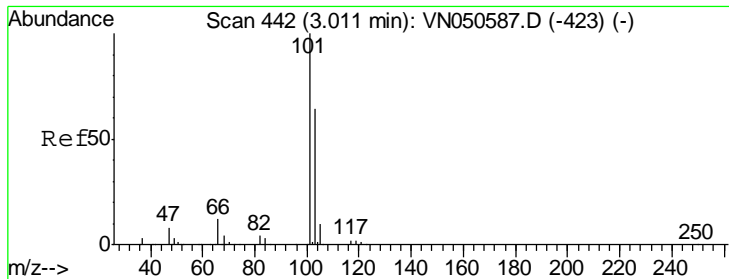
Manual Integrations APPROVED
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#6
 Chloroethane
 Concen: 136.67 ug/l
 RT: 2.69 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
64	100		
66	31.9	25.7	38.5





#7
 Trichlorofluoromethane
 Concen: 141.08 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

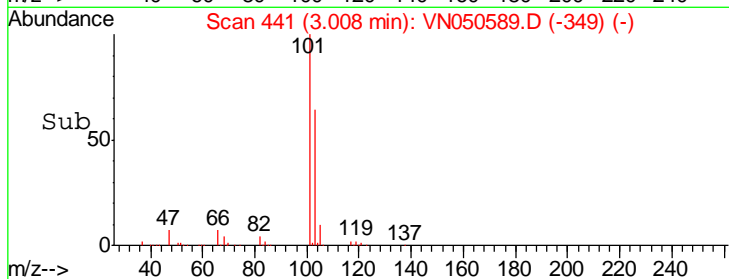
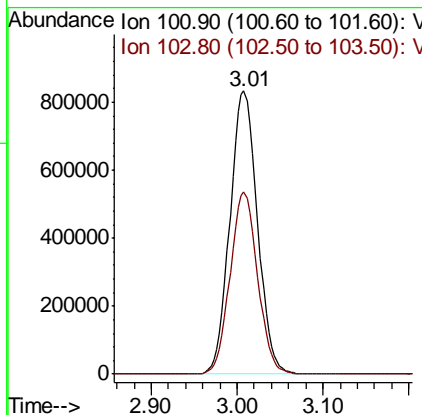
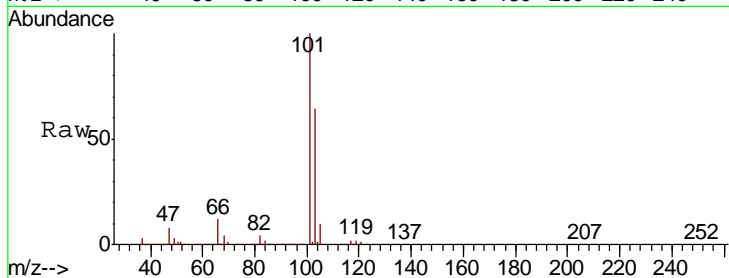
Tgt Ion: 101 Resp: 1849866

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.0

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Manual Integrations
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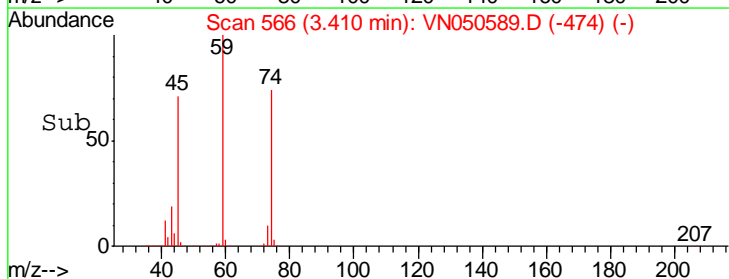
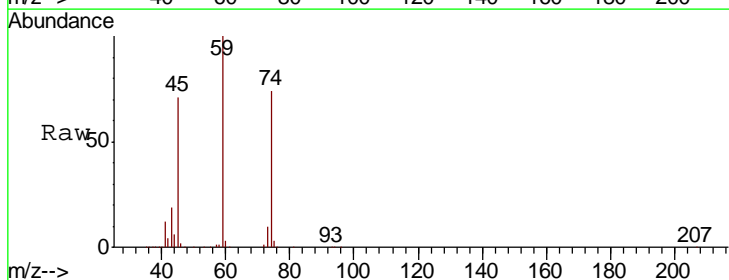
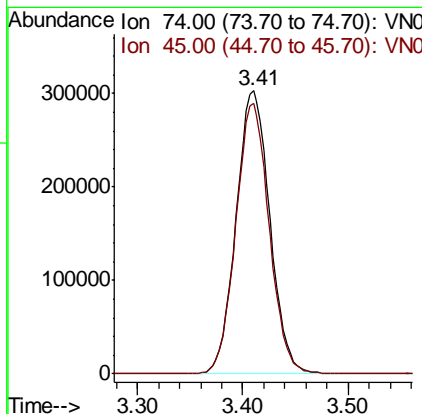
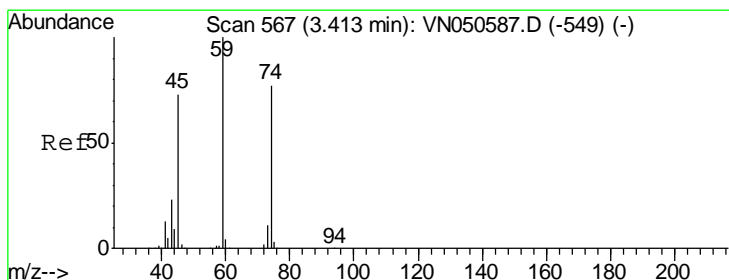
MMDadoda
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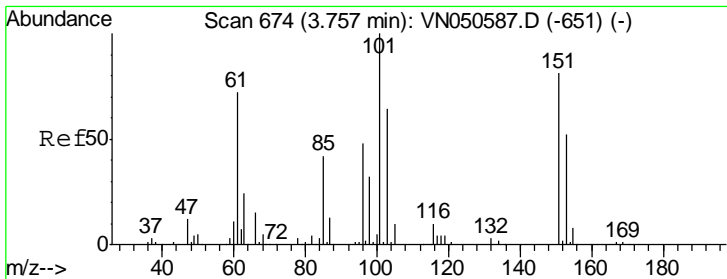


#8
 Diethyl Ether
 Concen: 141.30 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 74 Resp: 673520

Ion	Ratio	Lower	Upper
74	100		
45	94.4	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 139.41 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

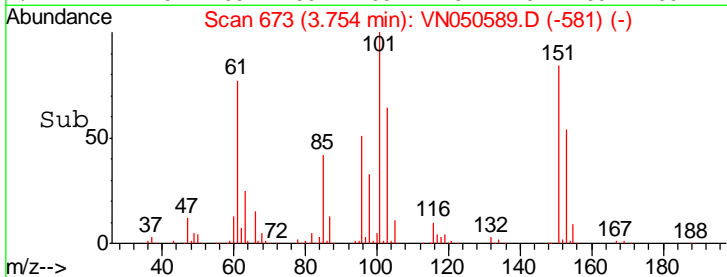
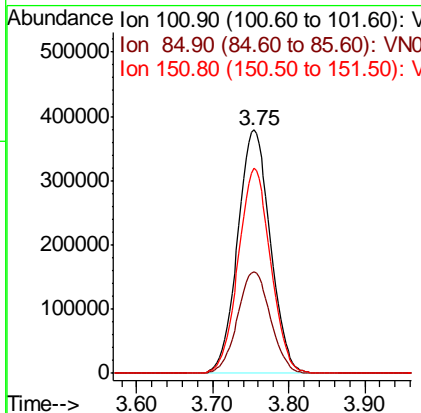
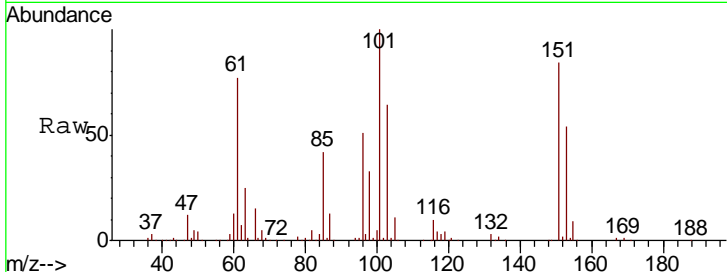
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion:101 Resp: 1130733

Ion	Ratio	Lower	Upper
101	100		
85	42.0	33.4	50.0
151	83.3	66.6	100.0

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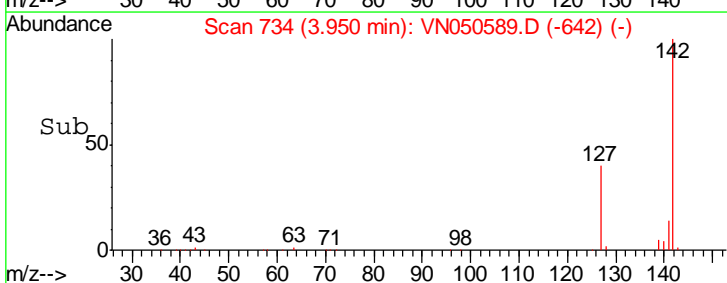
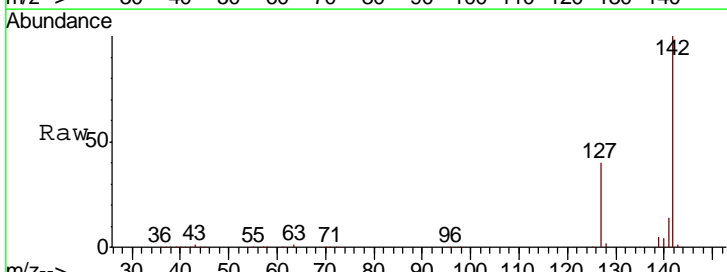
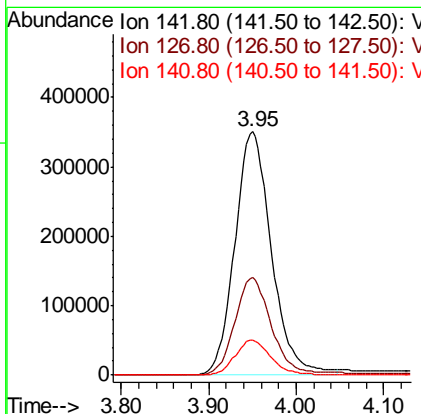
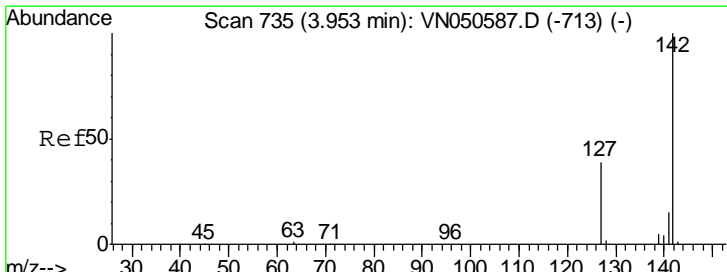
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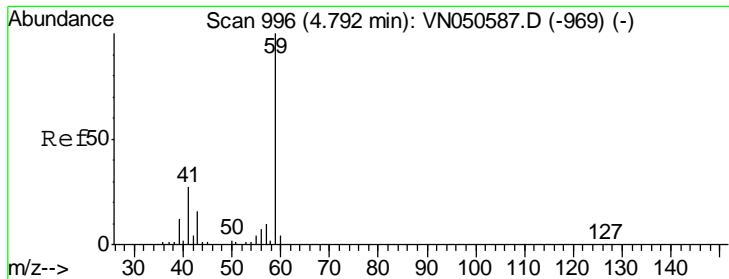


#10
 Methyl Iodide
 Concen: 260.13 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion:142 Resp: 1019146

Ion	Ratio	Lower	Upper
142	100		
127	40.6	32.6	49.0
141	14.2	11.5	17.3





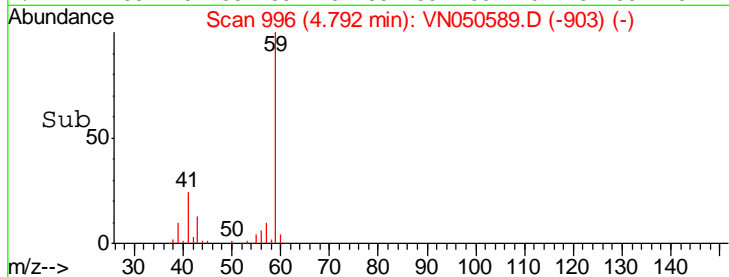
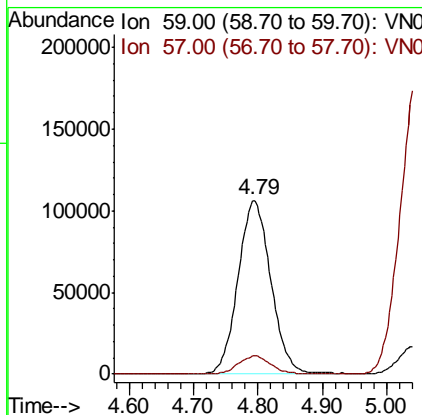
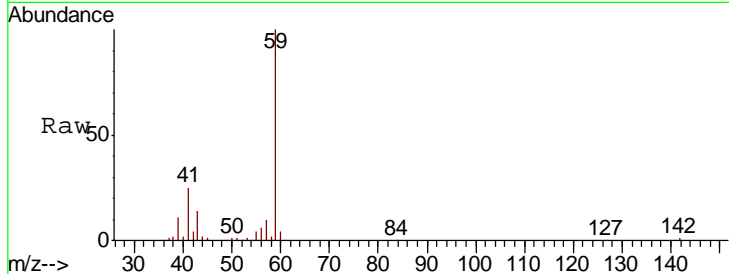
#11
 Tert butyl alcohol
 Concen: 535.64 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
59	376885		
57	10.4	8.4	12.6

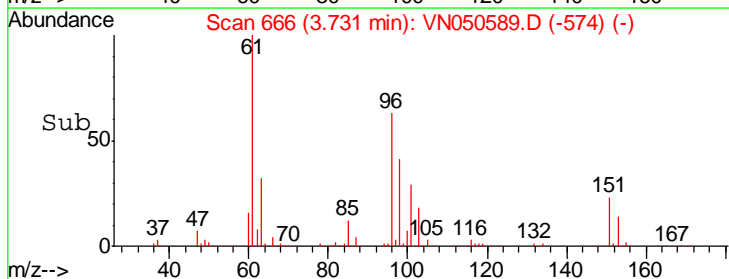
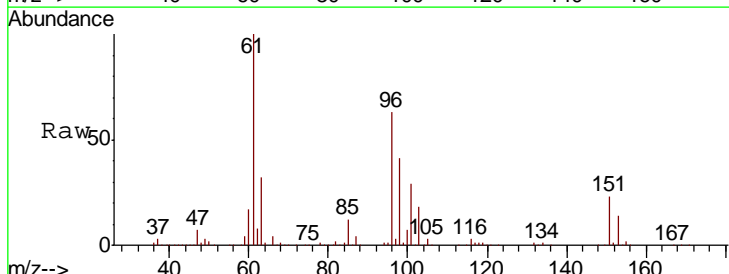
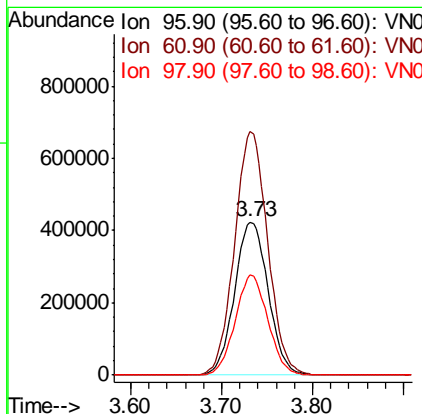
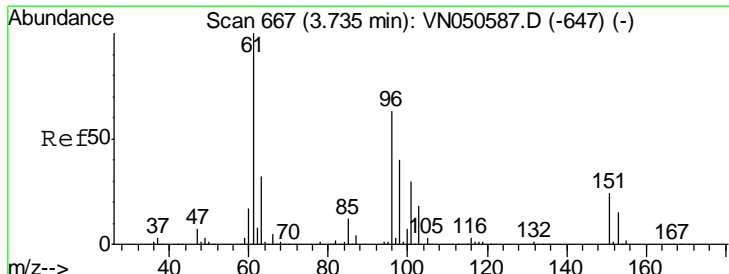
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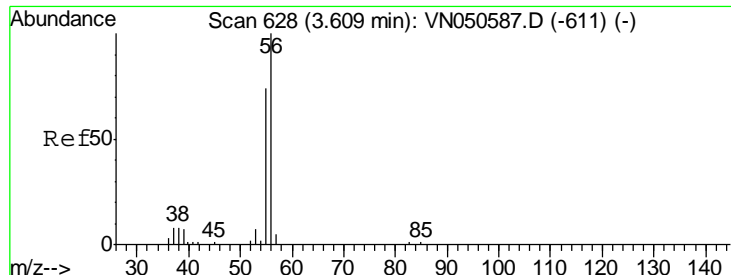
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#12
 1,1-Dichloroethene
 Concen: 142.35 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
96	1086117		
61	158.7	126.9	190.3
98	65.1	51.1	76.7





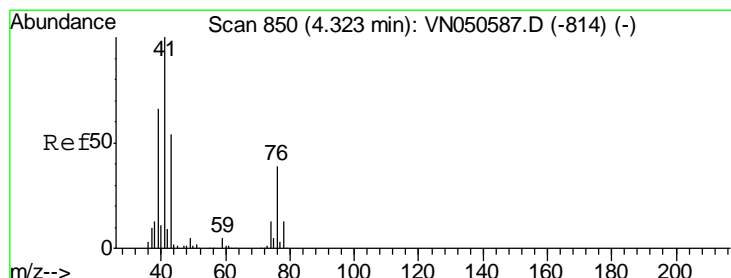
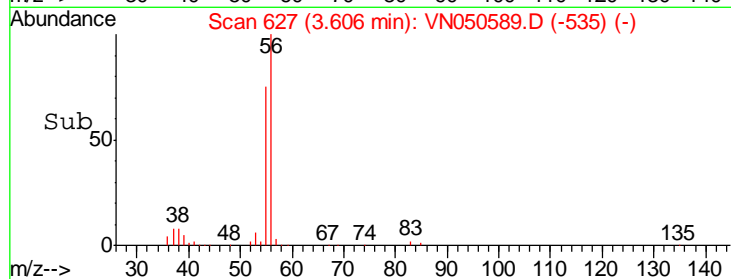
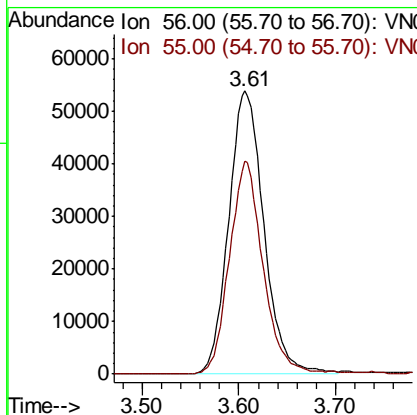
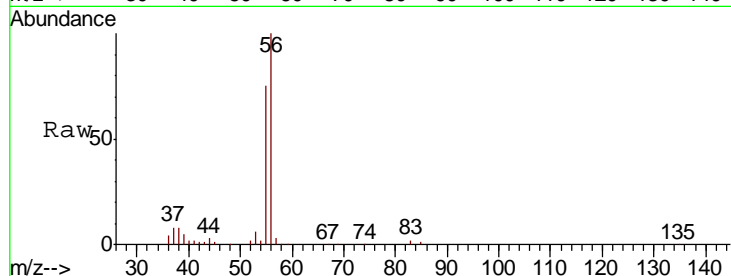
#13
 Acrolein
 Concen: 181.08 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
56	136332		
55	71.6	56.3	84.5

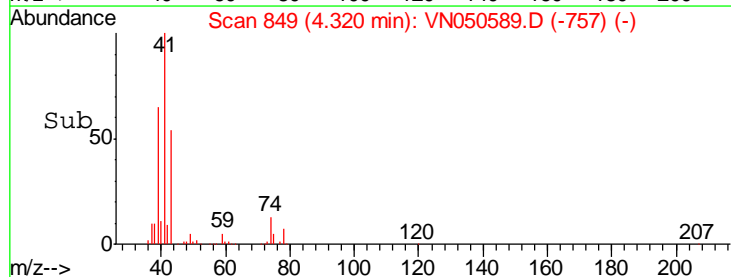
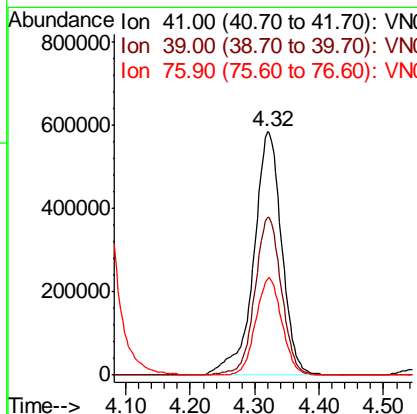
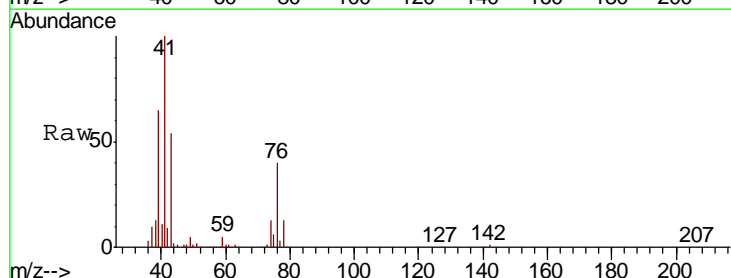
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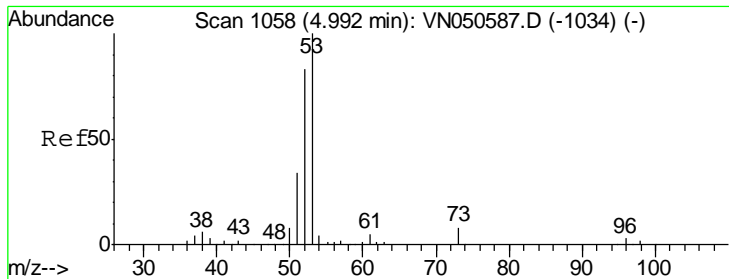
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#14
 Allyl chloride
 Concen: 144.90 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
41	1761176		
39	62.1	51.4	77.0
76	37.1	29.4	44.0





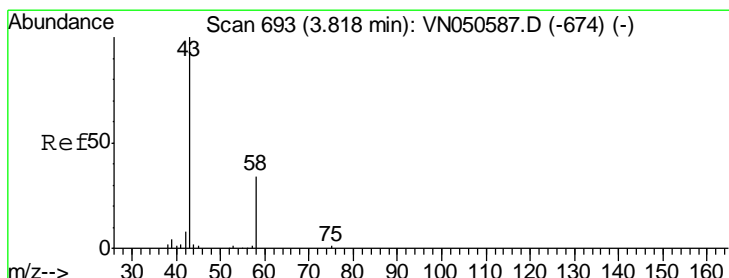
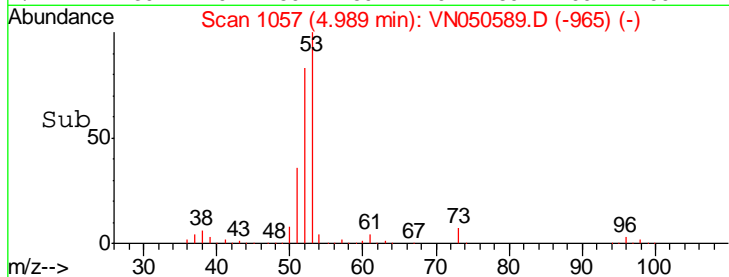
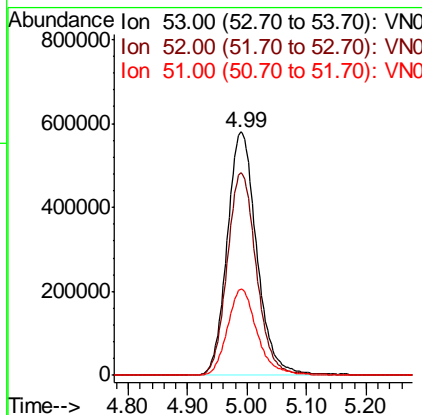
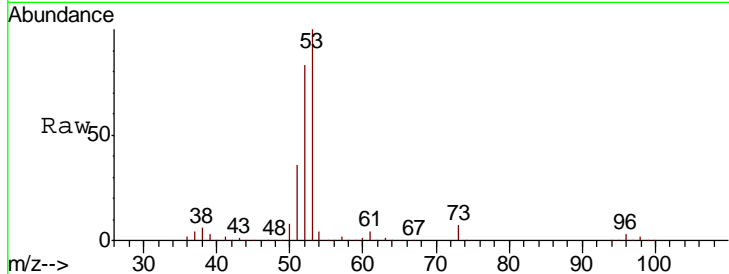
#15
 Acrylonitrile
 Concen: 647.68 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	35.7	28.6	43.0

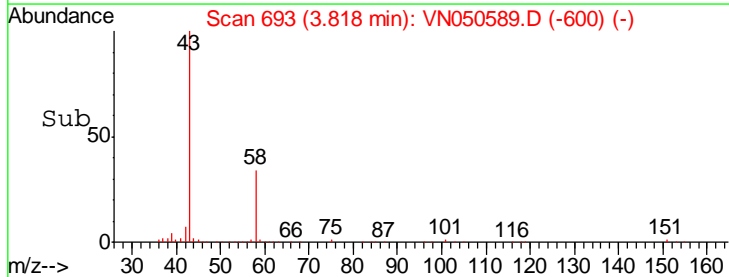
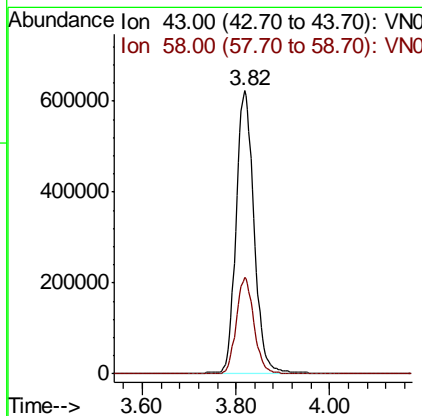
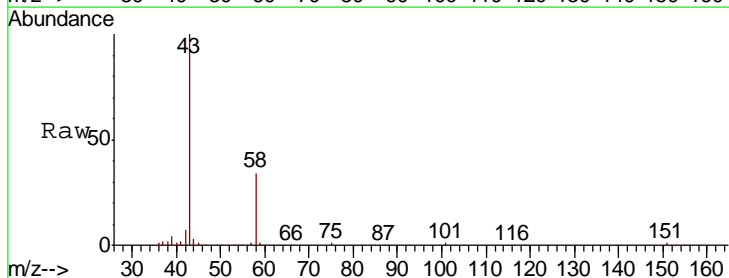
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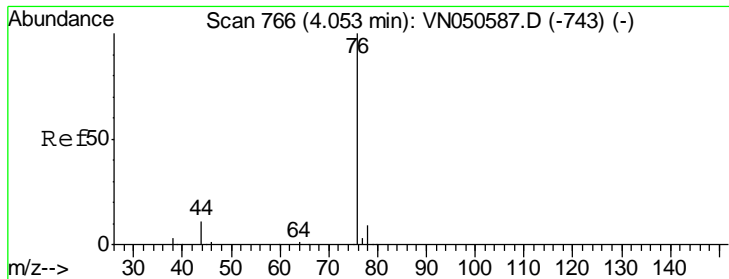
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#16
 Acetone
 Concen: 564.64 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.9	27.1	40.7





#17
 Carbon Disulfide
 Concen: 137.44 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

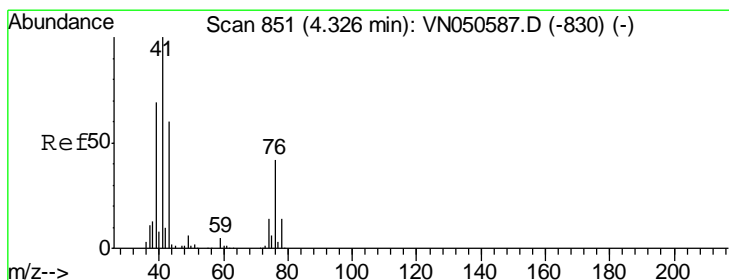
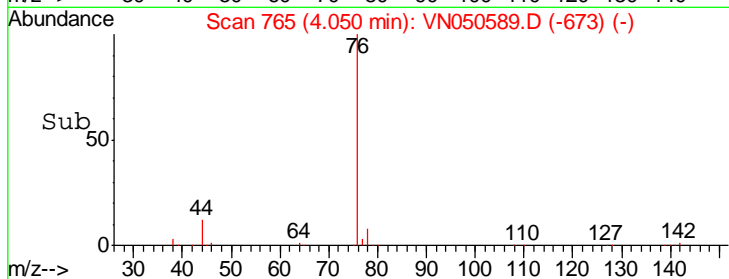
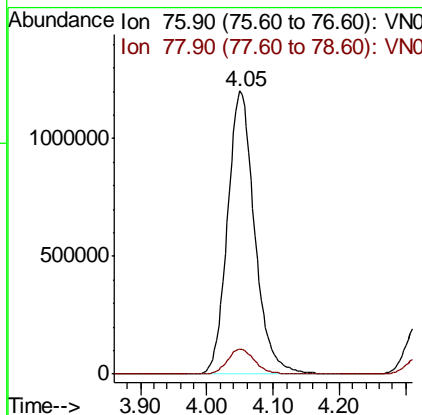
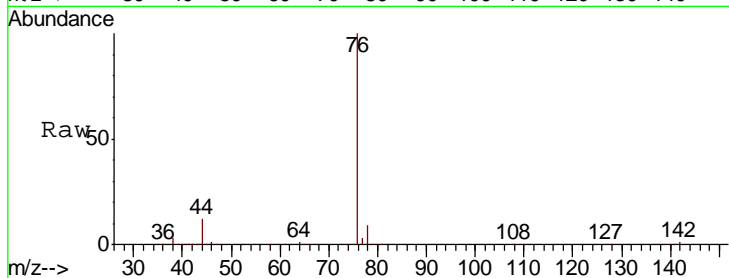
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 76 Resp: 3410958

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

Manual Integrations
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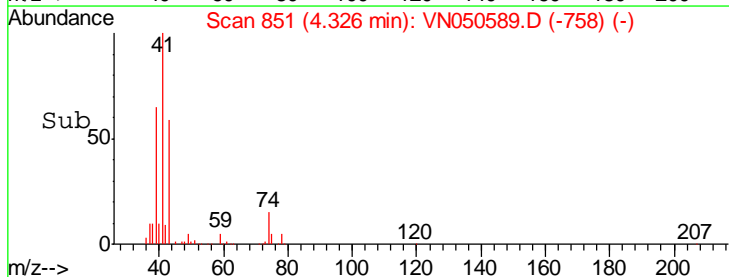
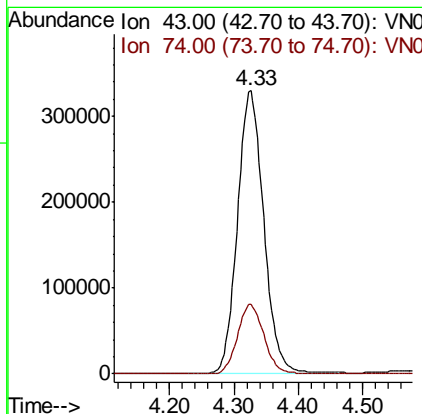
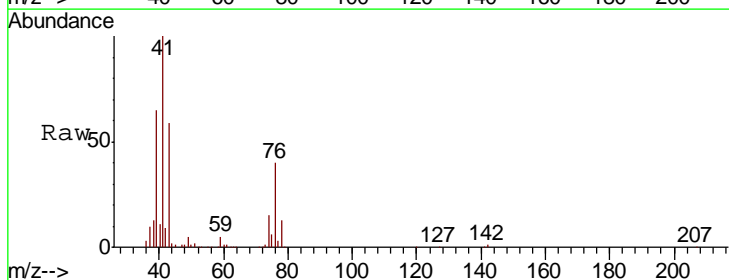
MMDadoda
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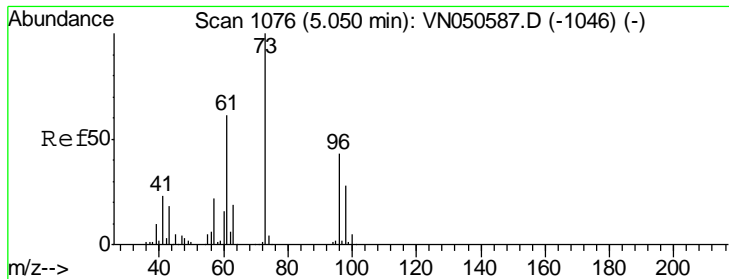


#18
 Methyl Acetate
 Concen: 111.03 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 43 Resp: 933705

Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.7	29.5





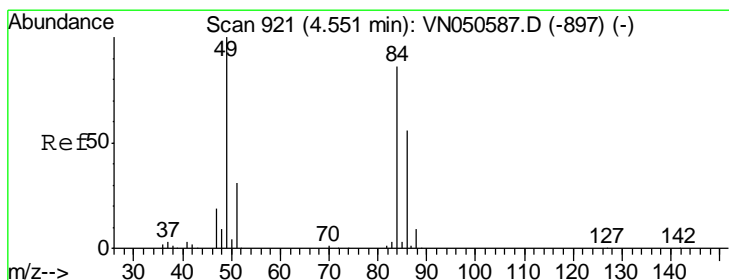
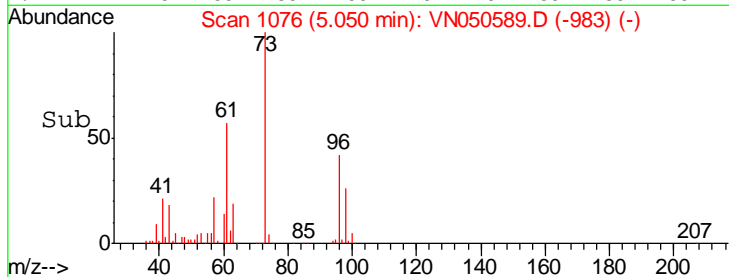
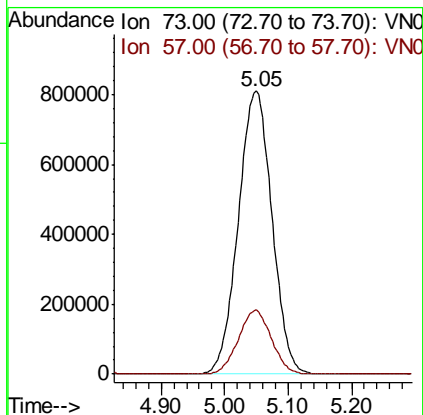
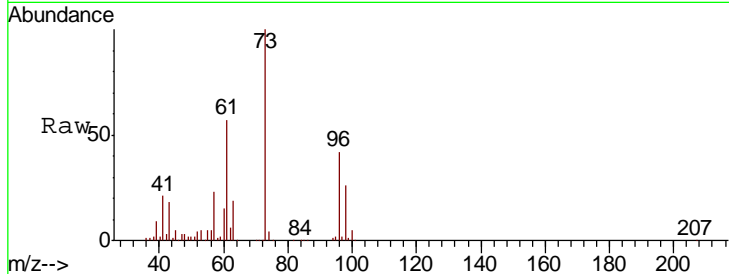
#19
 Methyl tert-butyl Ether
 Concen: 140.07 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
73	2980595		
73	100		
57	22.6	17.9	26.9

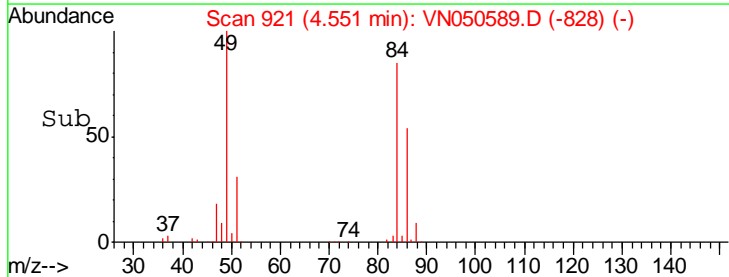
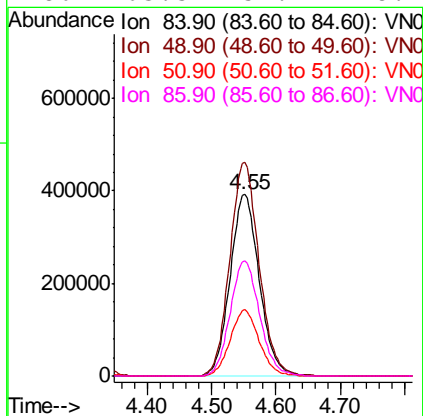
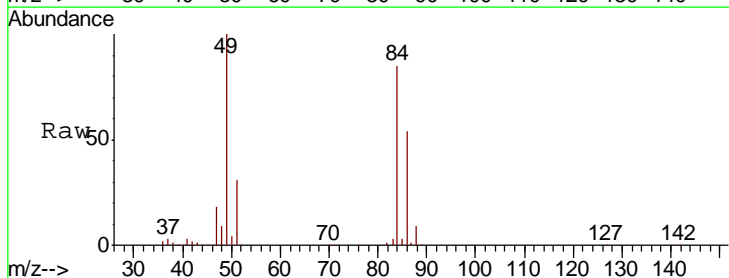
Manual Integrations
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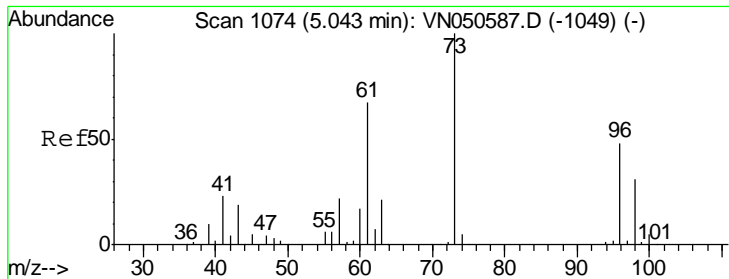
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#20
 Methylene Chloride
 Concen: 118.19 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
84	1241189		
84	100		
49	117.8	92.6	138.8
51	36.4	28.6	43.0
86	63.5	52.2	78.2





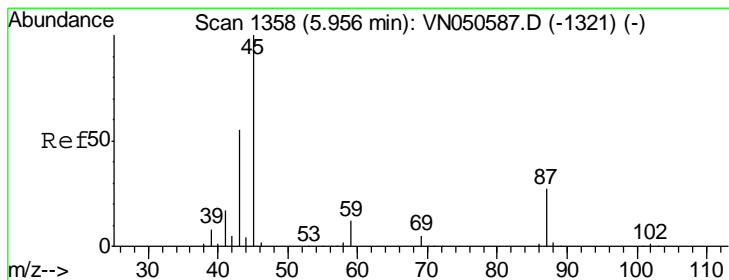
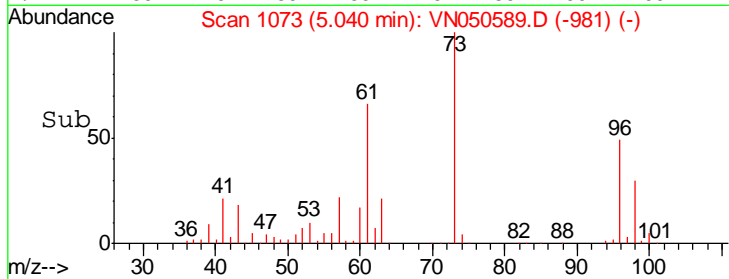
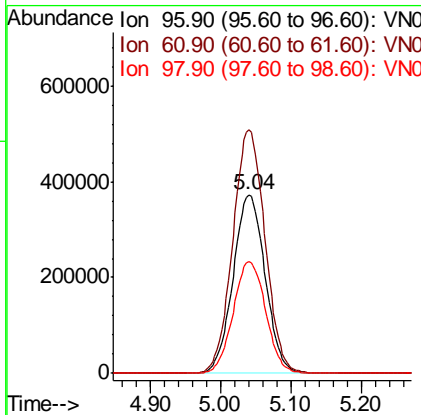
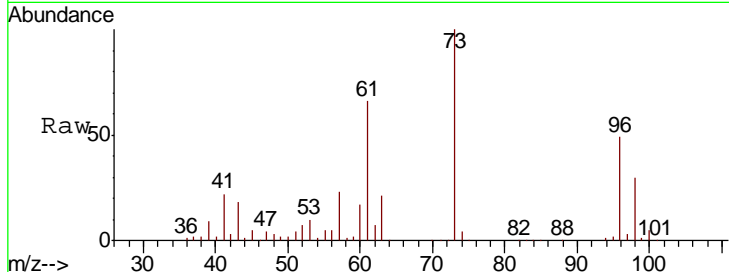
#21
 trans-1,2-Dichloroethene
 Concen: 143.34 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	1182866		
96	100		
61	136.3	111.2	166.8
98	62.5	51.6	77.4

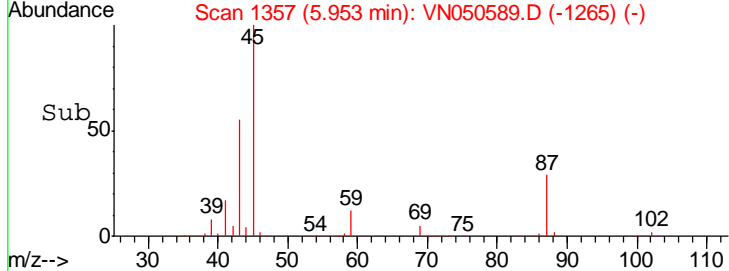
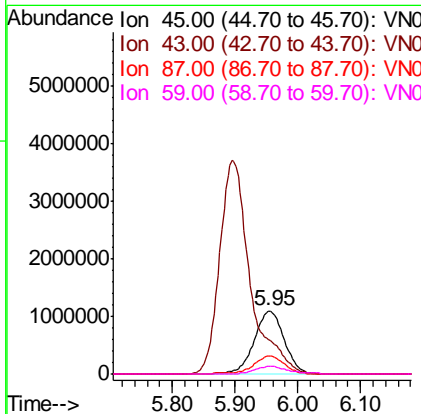
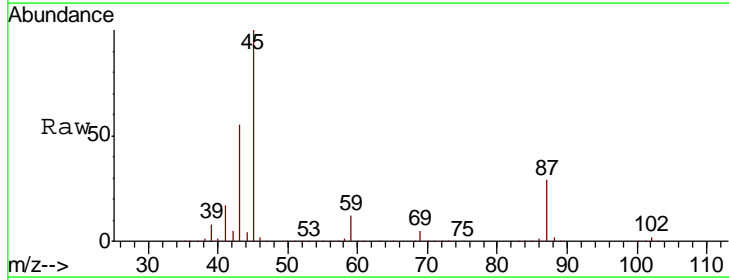
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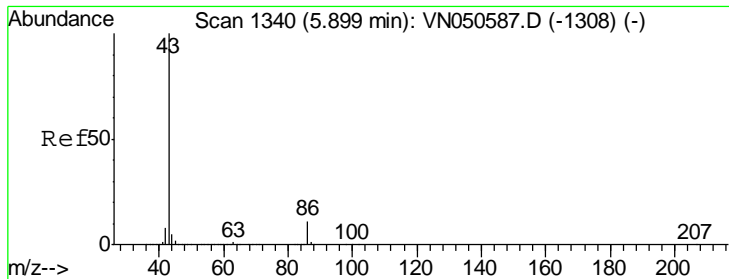
MMDadoda
 8/15/2018 3:21:47 PM



#22
 Diisopropyl ether
 Concen: 146.43 ug/l
 RT: 5.95 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
45	3651942		
45	100		
43	55.1	44.5	66.7
87	28.5	22.2	33.2
59	11.8	9.5	14.3





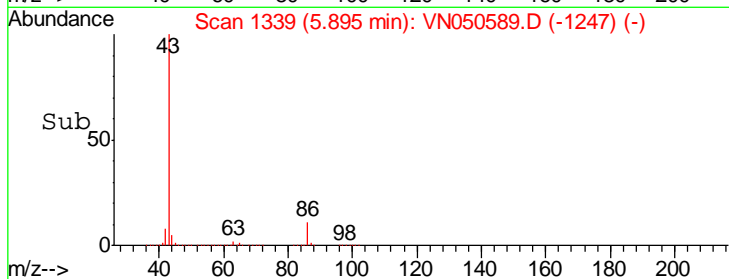
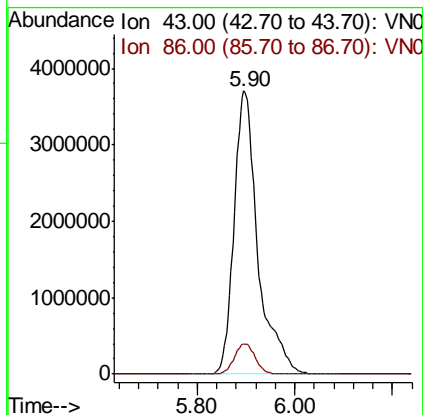
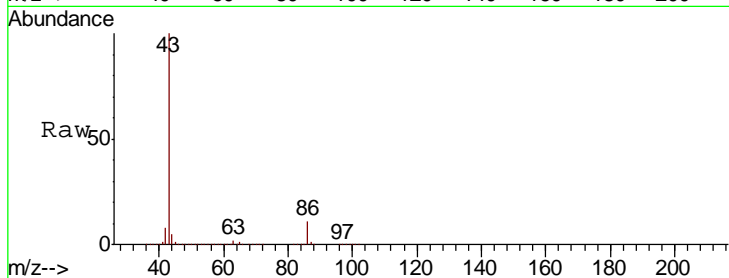
#23
 Vinyl Acetate
 Concen: 715.68 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.8	8.4	12.6

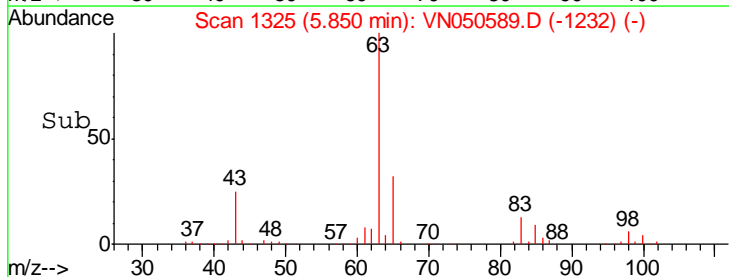
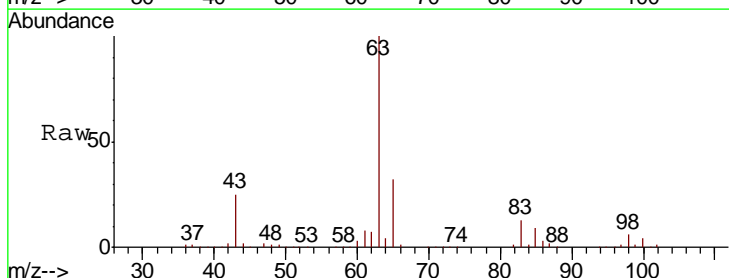
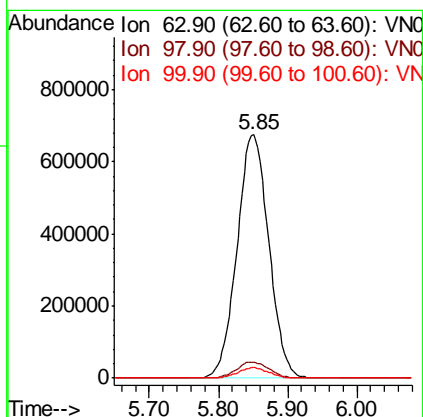
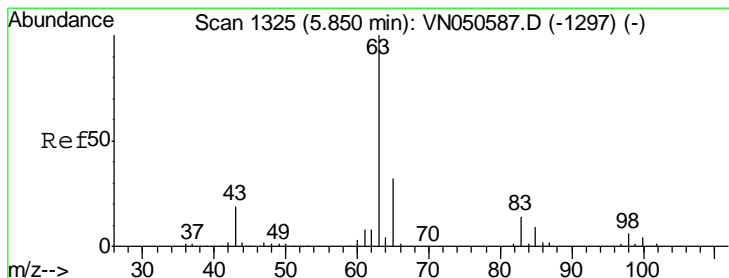
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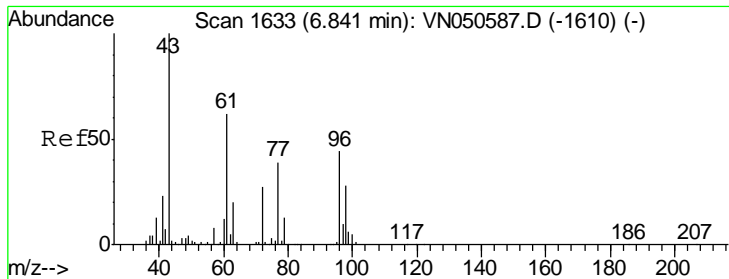
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#24
 1,1-Dichloroethane
 Concen: 140.15 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.5	3.2	9.6
100	4.4	2.1	6.5





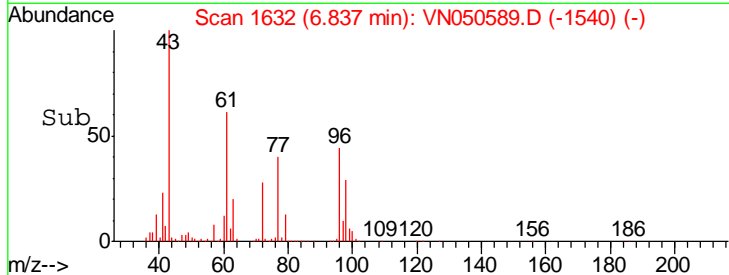
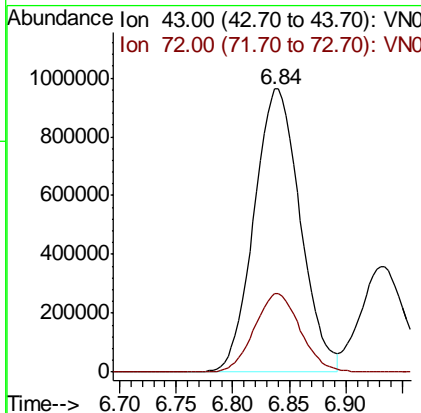
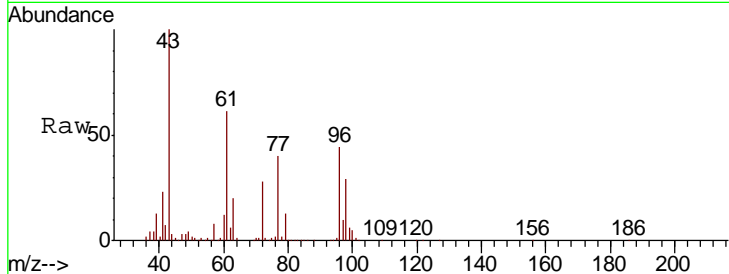
#25
 2-Butanone
 Concen: 606.99 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.6	21.8	32.6

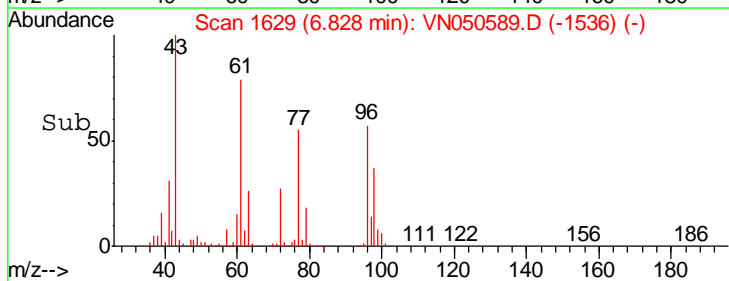
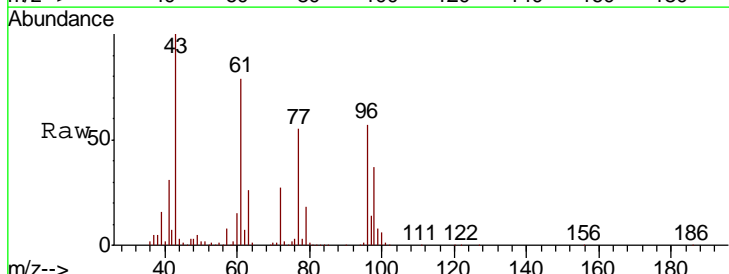
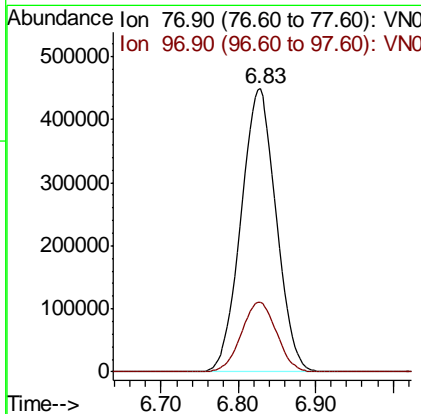
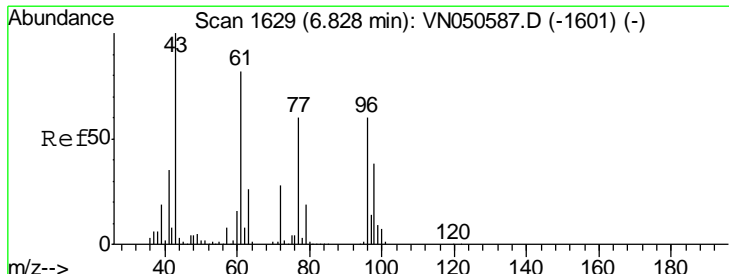
Manual Integrations
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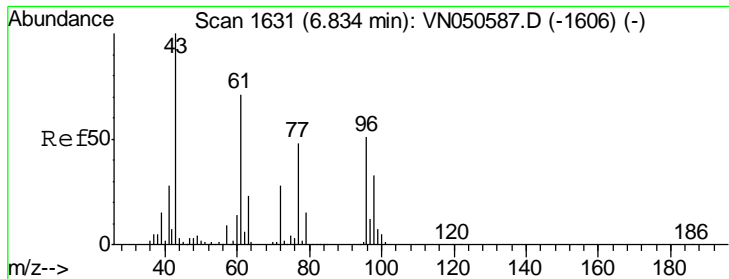
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#26
 2,2-Dichloropropane
 Concen: 115.71 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.7	12.2	36.4





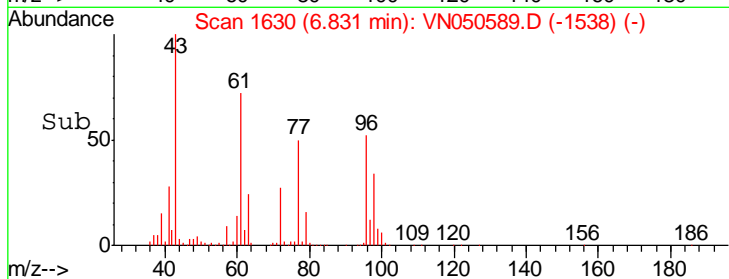
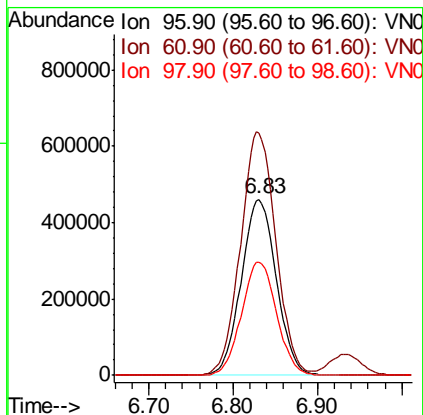
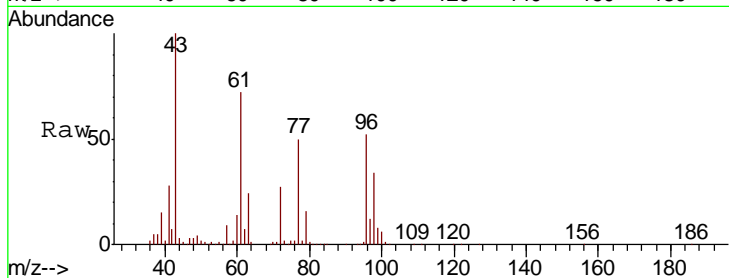
#27
 cis-1,2-Dichloroethene
 Concen: 145.82 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	1331592		
96	100		
61	139.1	0.0	278.2
98	64.5	0.0	128.8

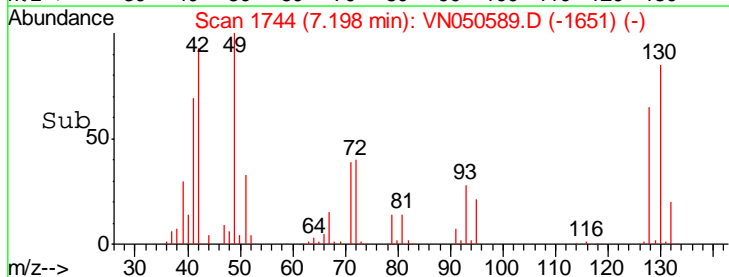
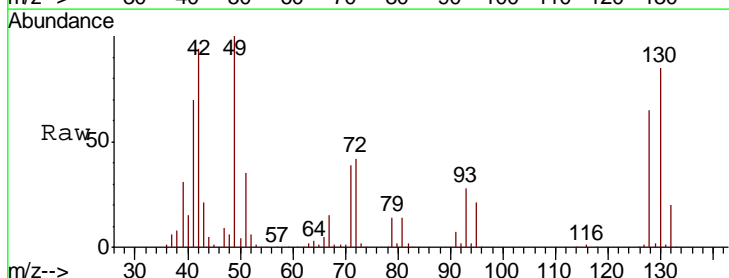
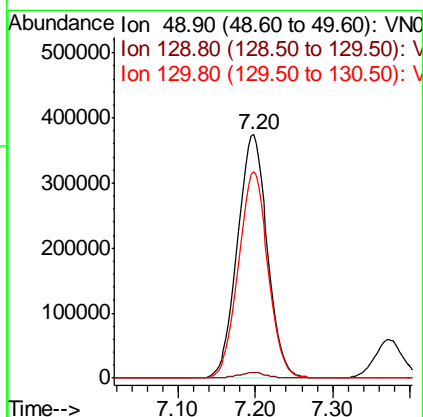
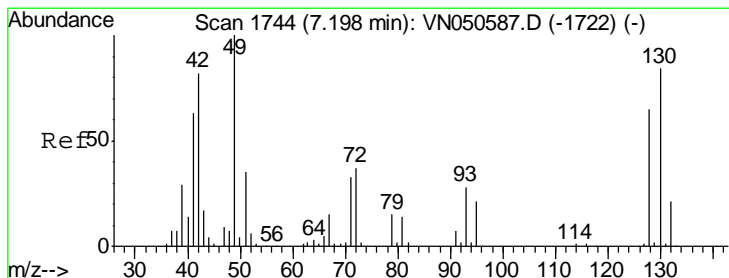
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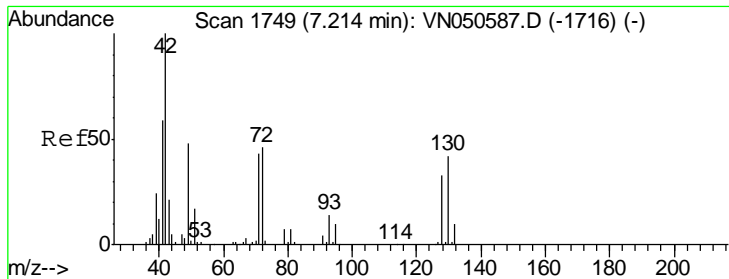
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#28
 Bromochloromethane
 Concen: 141.76 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
49	1003208		
49	100		
129	2.2	0.0	4.2
130	83.9	66.8	100.2





#29
 Tetrahydrofuran
 Concen: 599.08 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

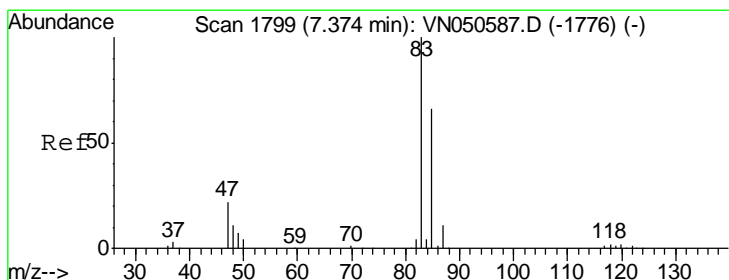
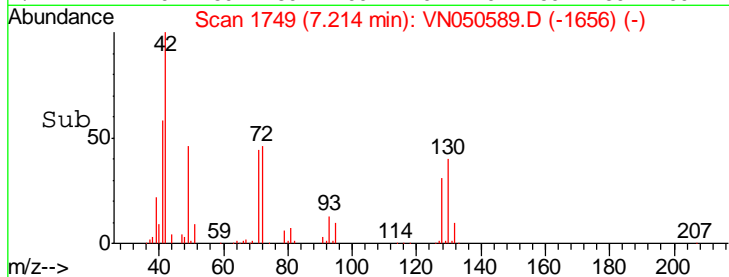
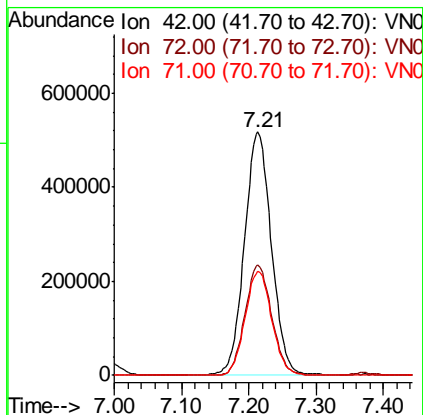
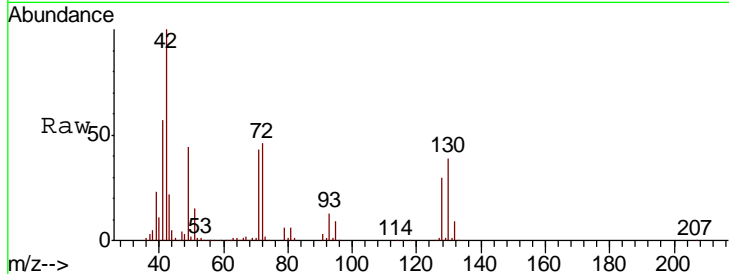
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 42 Resp: 1442875

Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.8	53.6
71	42.3	33.4	50.0

Manual Integrations
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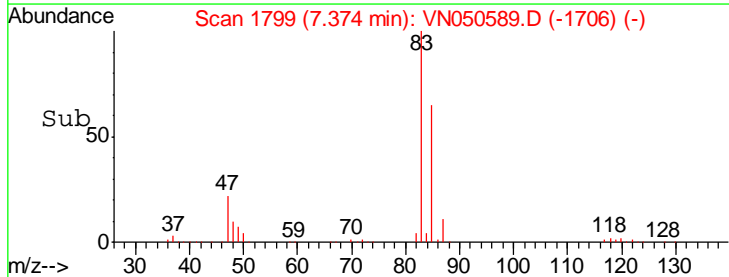
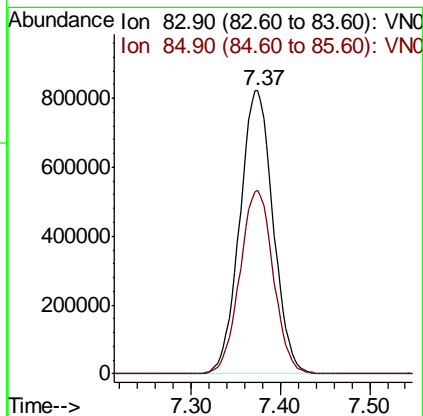
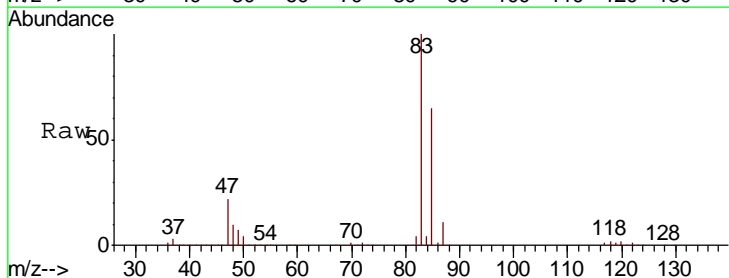
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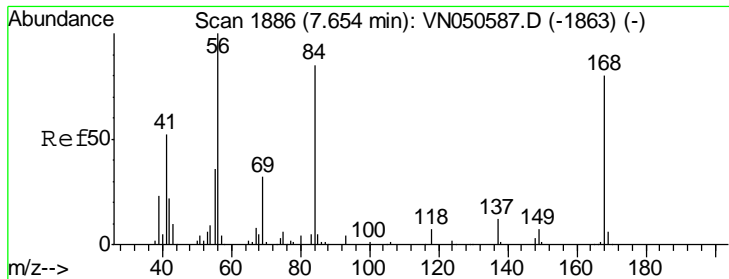


#30
 Chloroform
 Concen: 139.19 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 83 Resp: 2135561

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.5	78.7





#31
 Cyclohexane
 Concen: 130.68 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

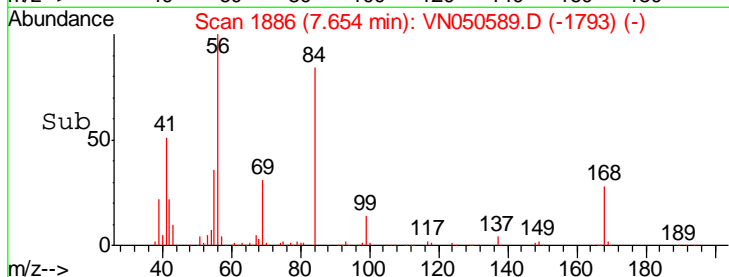
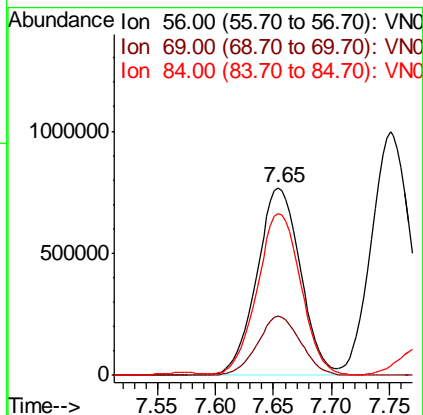
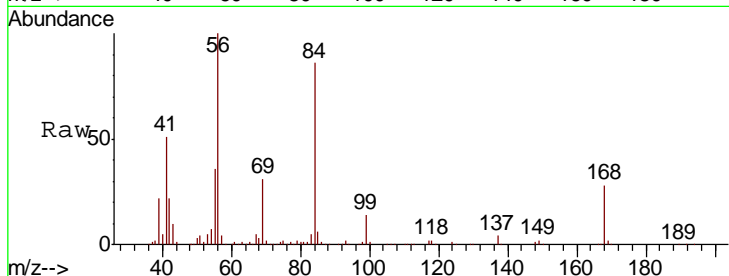
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 56 Resp: 2008897

Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.8	38.6
84	85.1	67.8	101.6

Manual Integrations
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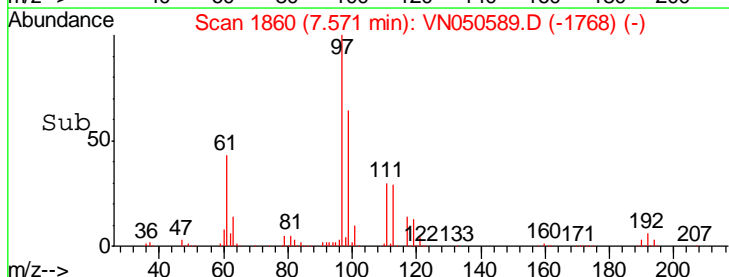
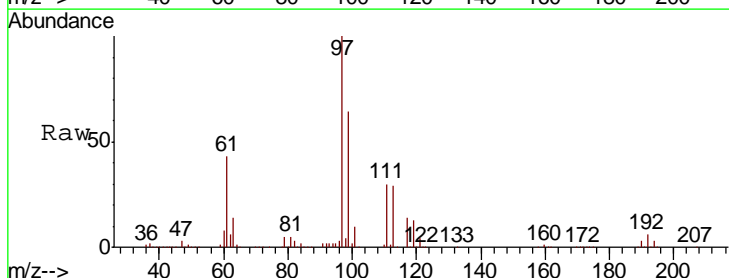
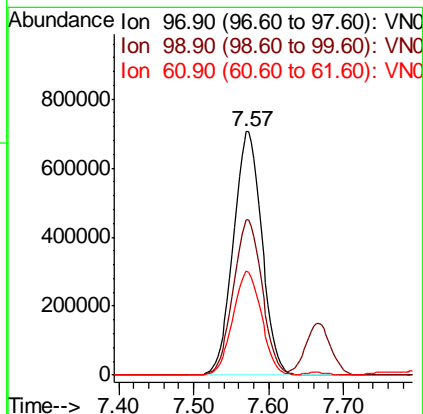
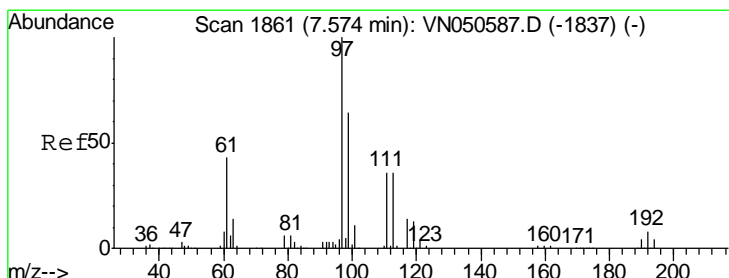
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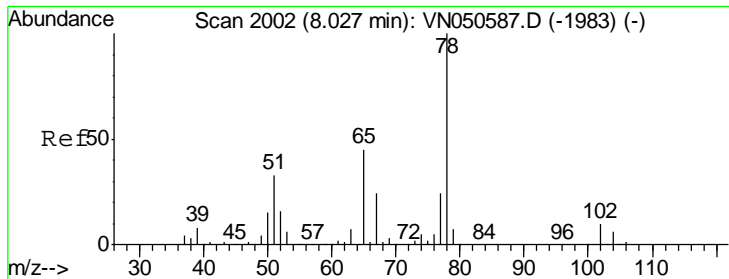


#32
 1,1,1-Trichloroethane
 Concen: 141.67 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 97 Resp: 1866689

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	42.9	34.8	52.2





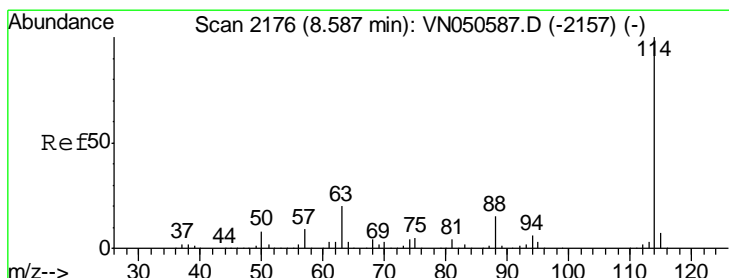
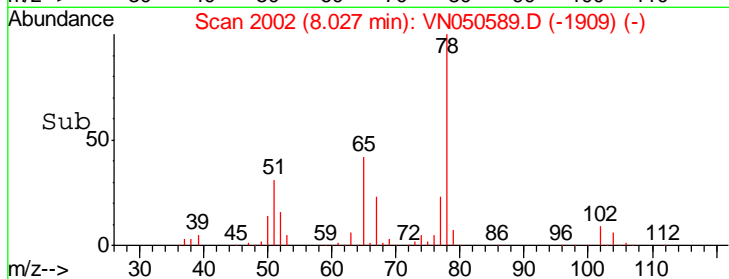
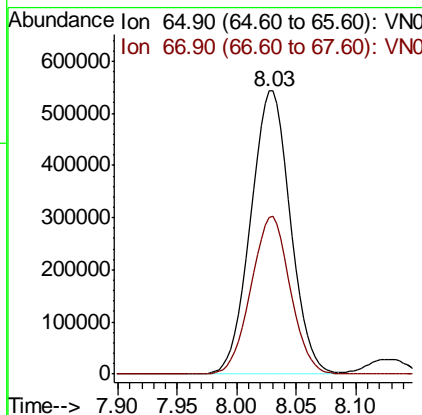
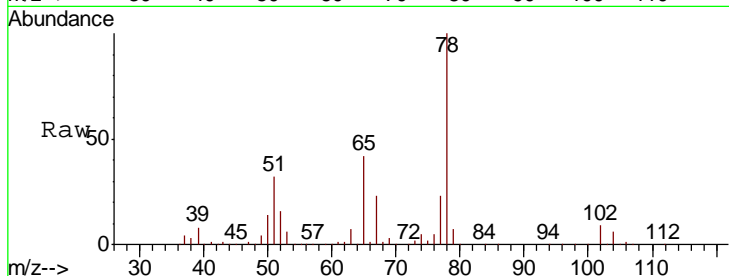
#33
 1,2-Dichloroethane-d4
 Concen: 133.88 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
65	100		
67	55.1	0.0	109.8

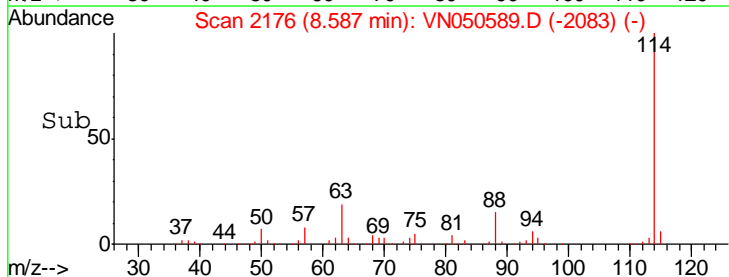
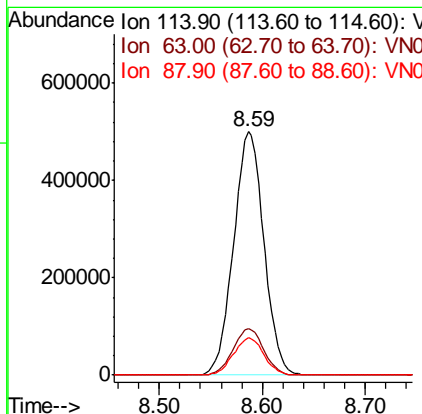
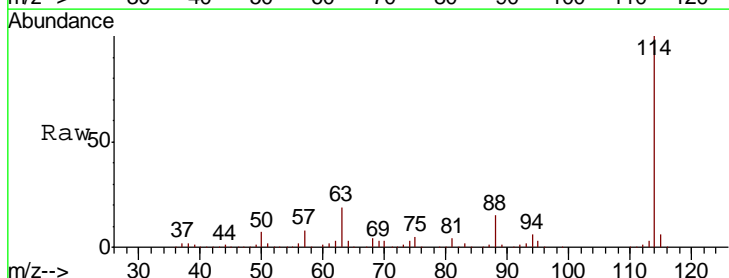
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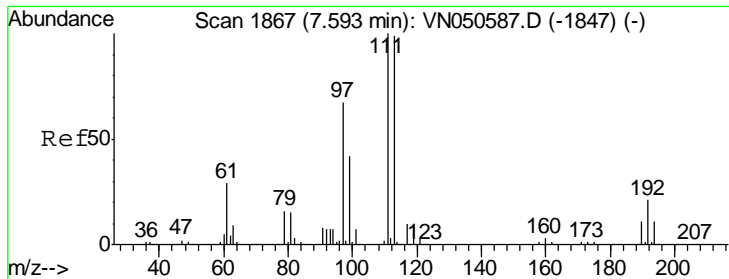
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.2	0.0	40.0
88	15.2	0.0	30.8





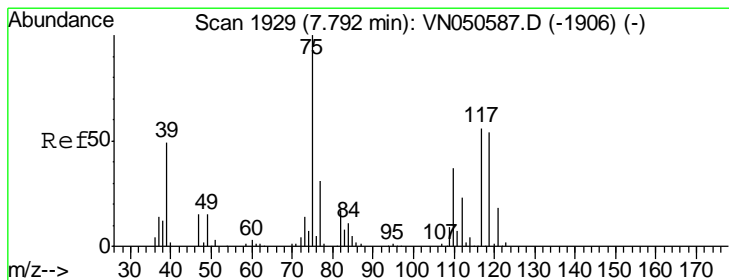
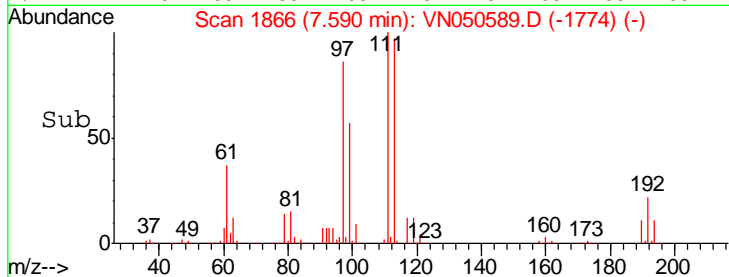
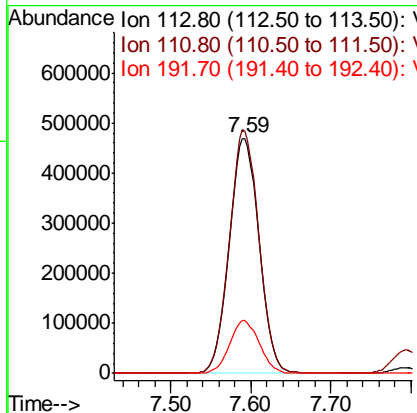
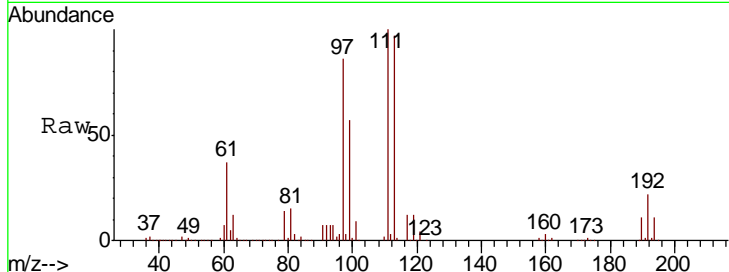
#35
 Dibromofluoromethane
 Concen: 143.77 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.3	81.0	121.6
192	22.4	17.6	26.4

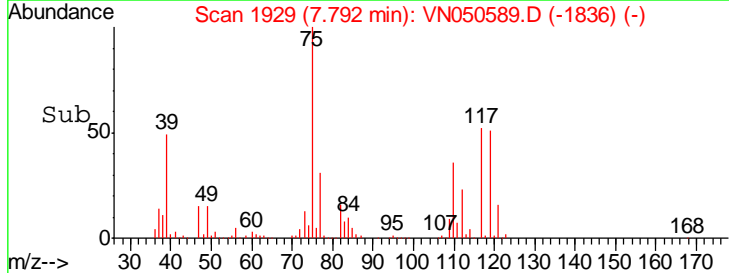
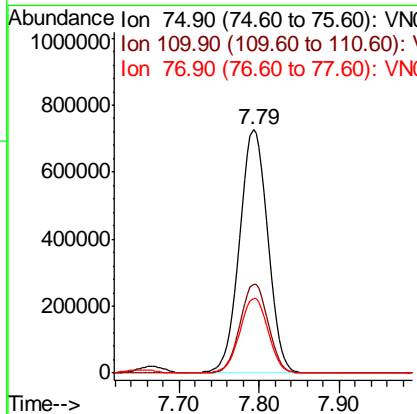
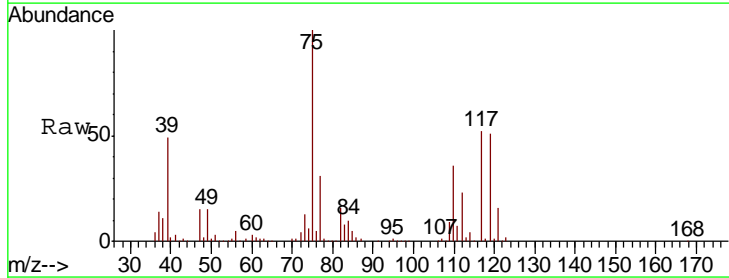
Manual Integrations
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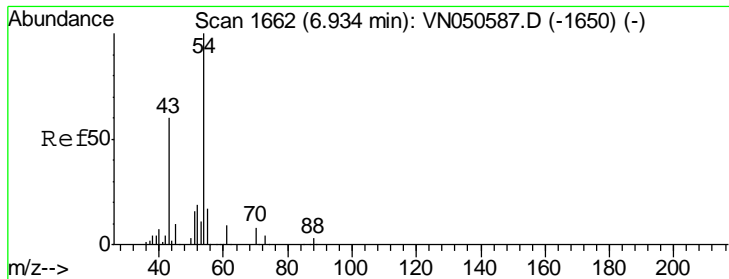
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#36
 1,1-Dichloropropene
 Concen: 153.73 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
75	100		
110	36.4	18.3	54.9
77	31.1	25.0	37.4





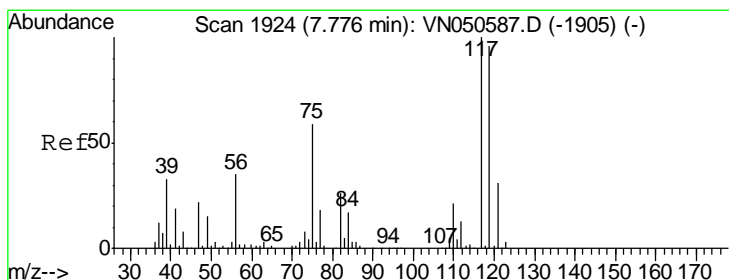
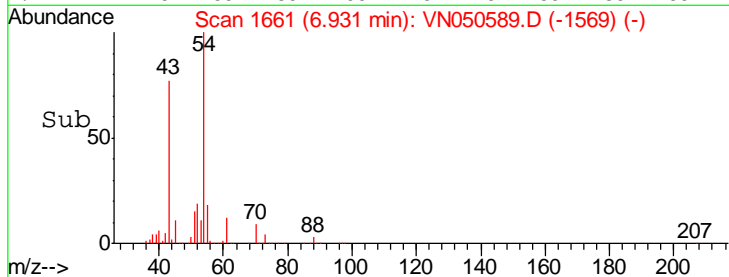
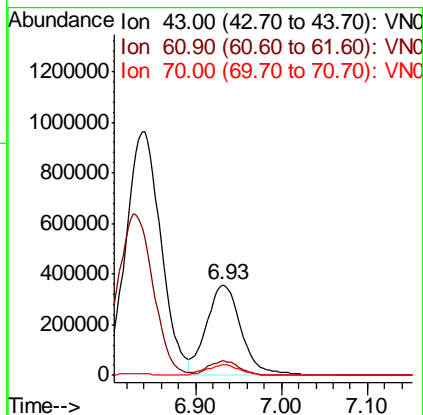
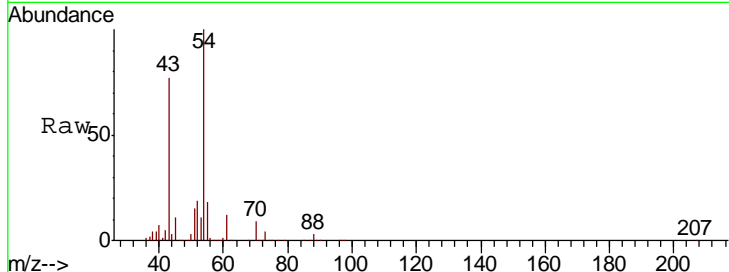
#37
 Ethyl Acetate
 Concen: 128.34 ug/l
 RT: 6.93 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	10.8	8.5	12.7

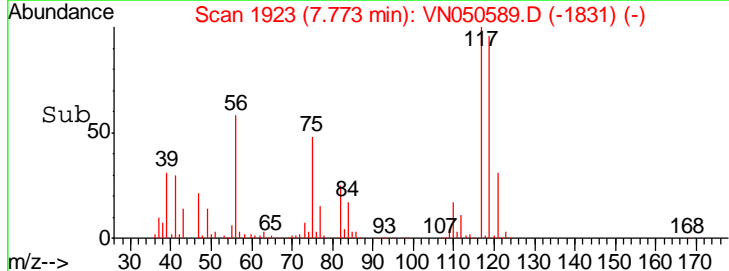
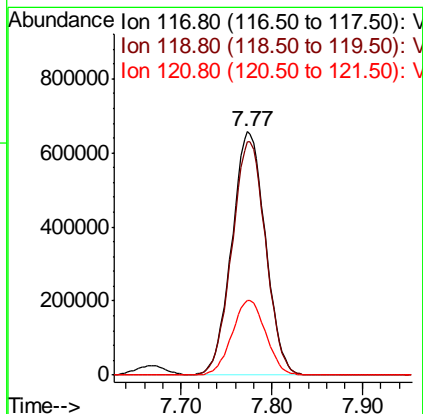
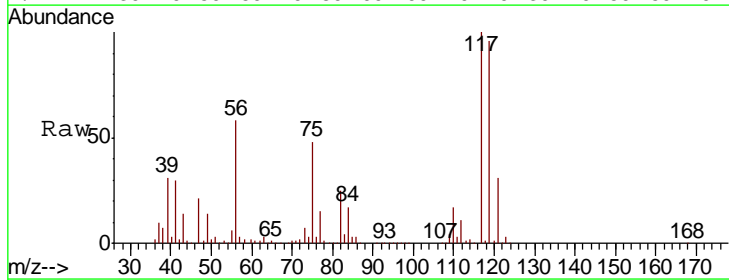
Manual Integrations
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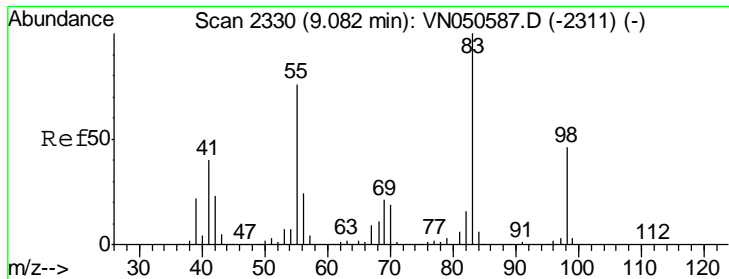
MMDadoda
 8/15/2018 3:21:47 PM



#38
 Carbon Tetrachloride
 Concen: 143.45 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.7	76.6	115.0
121	30.9	25.0	37.6





#39
 Methylcyclohexane
 Concen: 158.98 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

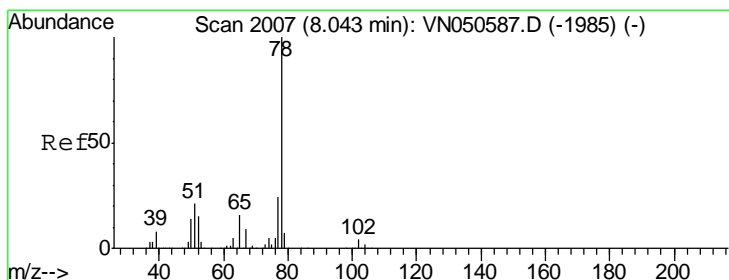
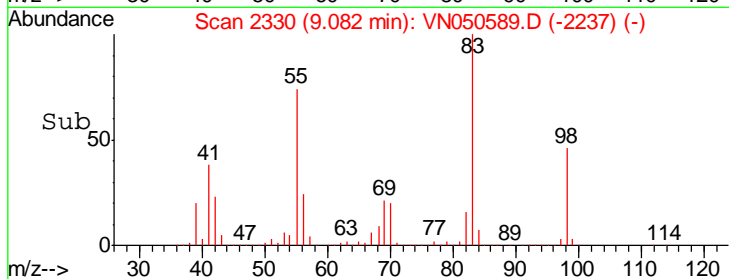
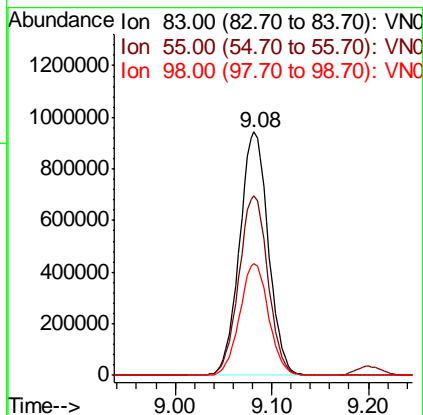
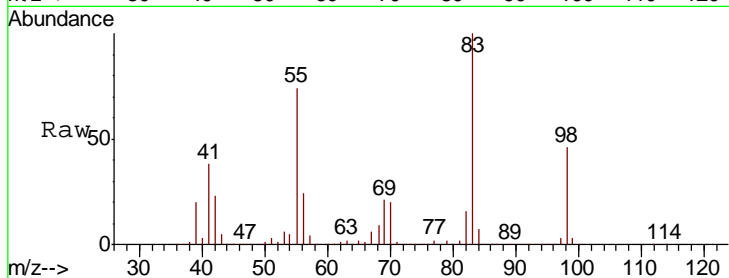
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 83 Resp: 1949005

Ion	Ratio	Lower	Upper
83	100		
55	73.5	60.6	91.0
98	46.0	37.0	55.4

Manual Integrations
 APPROVED

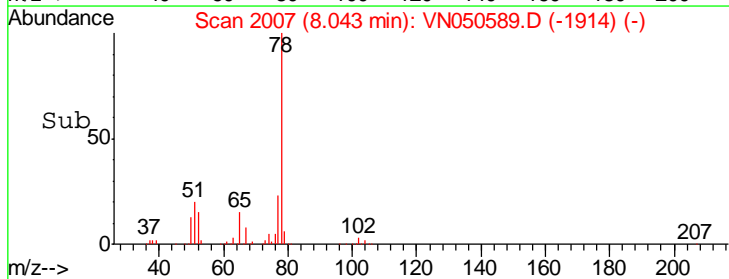
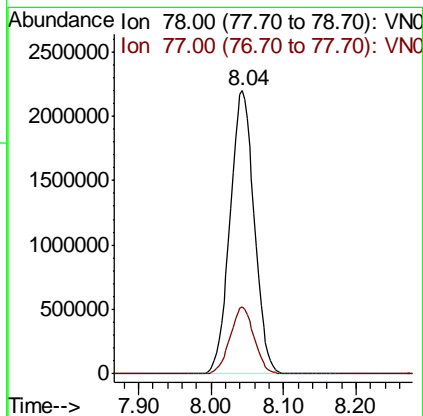
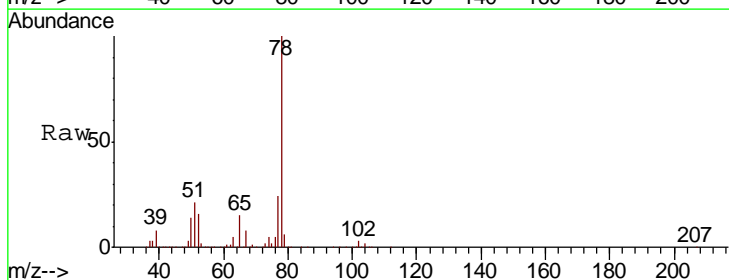
MMDadoda
 8/15/2018 3:21:47 PM

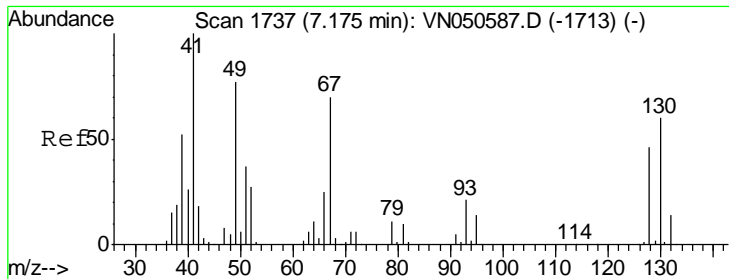


#40
 Benzene
 Concen: 147.18 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 78 Resp: 5091897

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





#41
 Methacrylonitrile
 Concen: 137.35 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

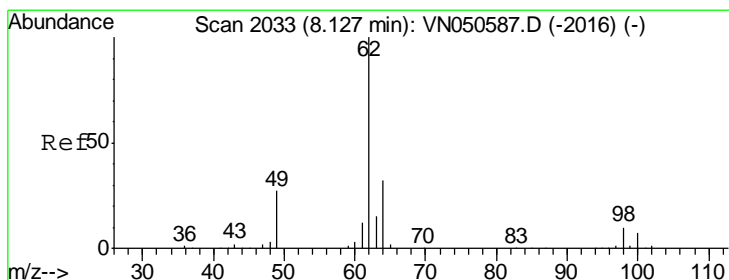
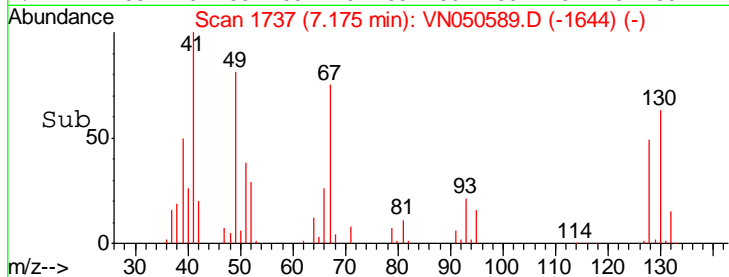
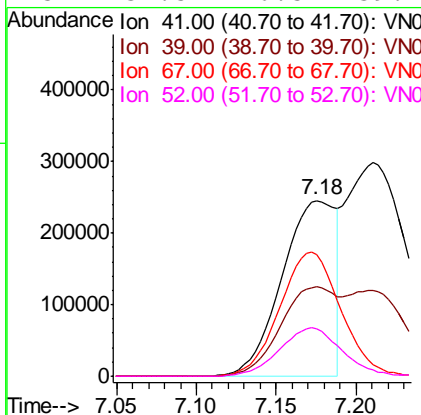
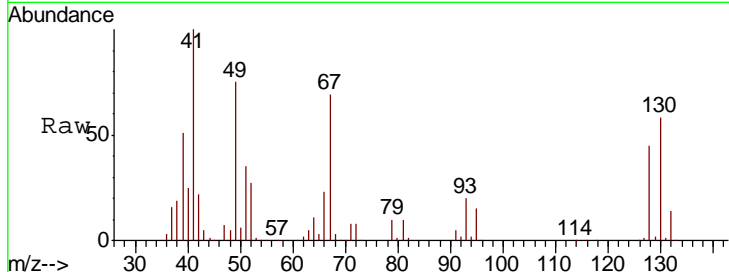
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 41 Resp: 576767

Ion	Ratio	Lower	Upper
41	100		
39	54.9	44.6	66.8
67	80.4	66.7	100.1
52	31.5	26.5	39.7

Manual Integrations
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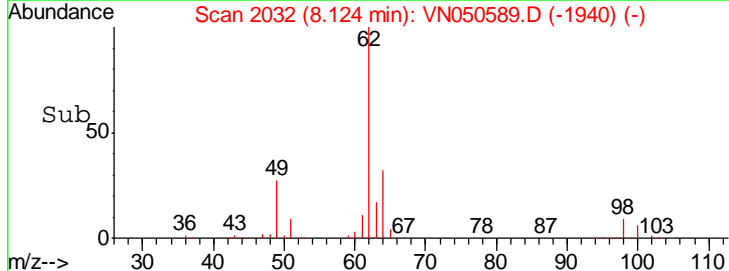
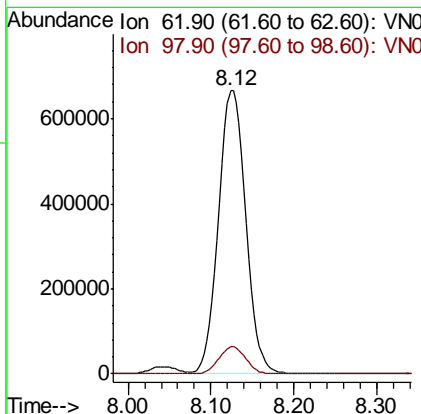
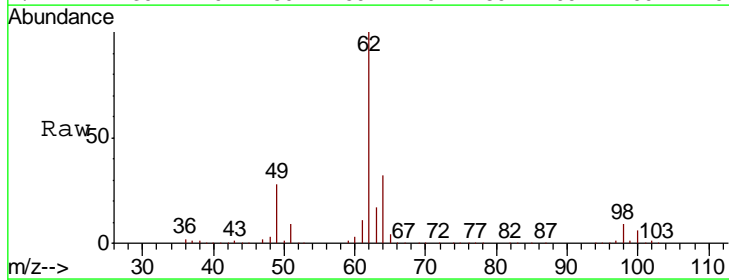
MMDadoda
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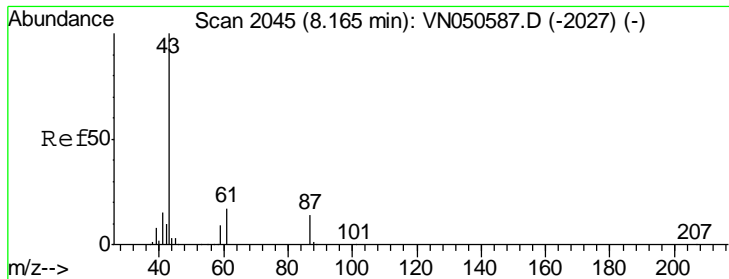


#42
 1,2-Dichloroethane
 Concen: 140.04 ug/l
 RT: 8.12 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 62 Resp: 1523766

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4





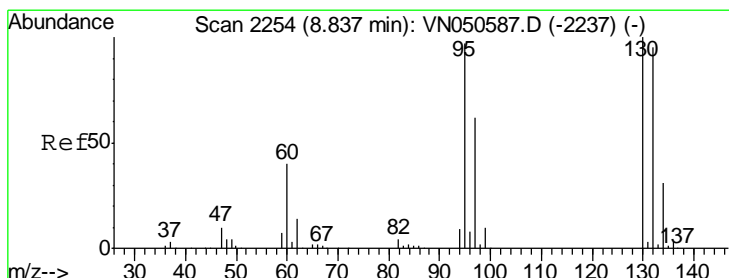
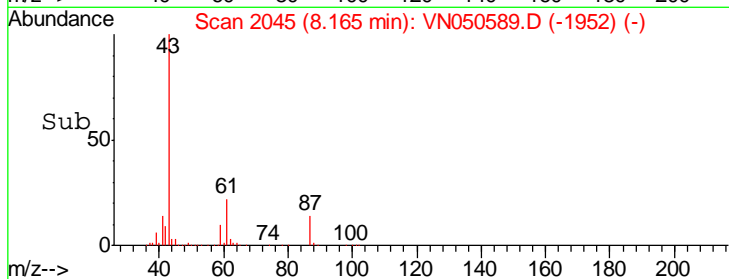
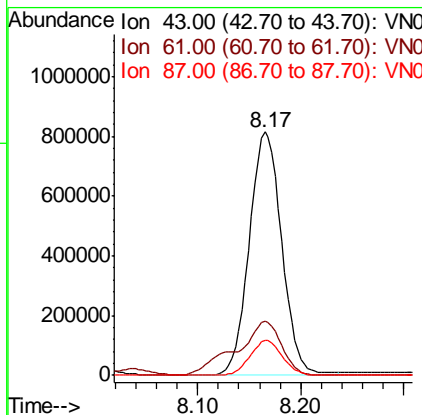
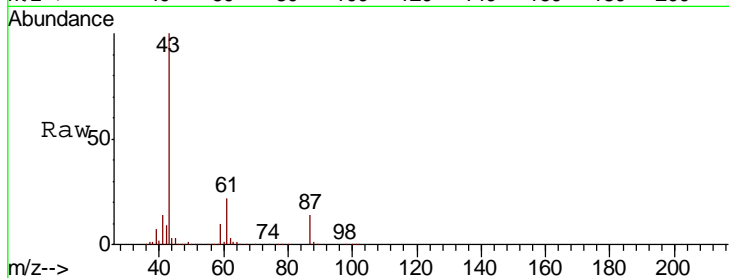
#43
 Isopropyl Acetate
 Concen: 131.06 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
61	30.8	16.2	24.2#
87	14.2	10.9	16.3

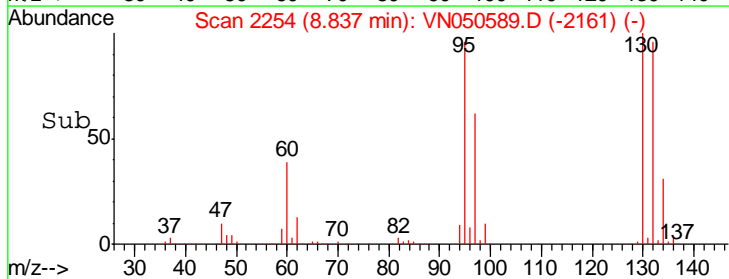
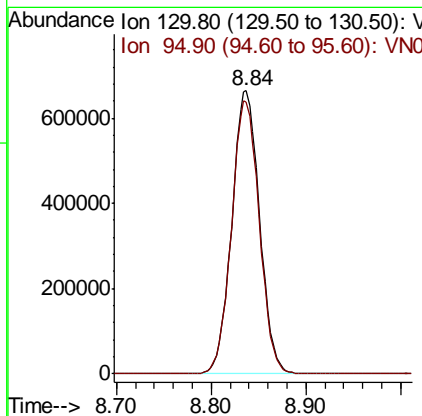
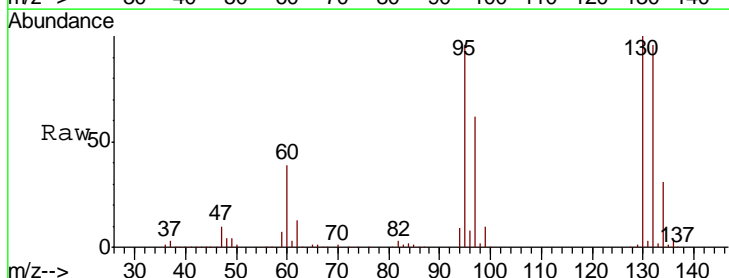
Manual Integrations
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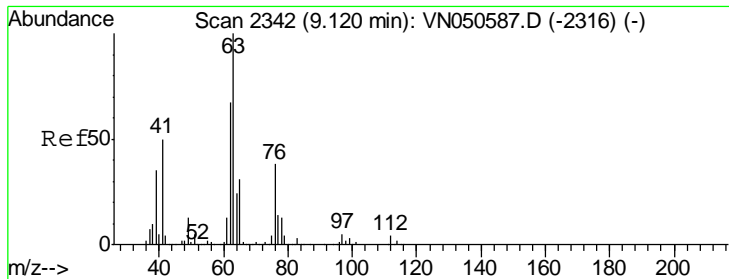
MMDadoda
 8/15/2018 3:21:47 PM



#44
 Trichloroethene
 Concen: 145.08 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.1	0.0	193.8





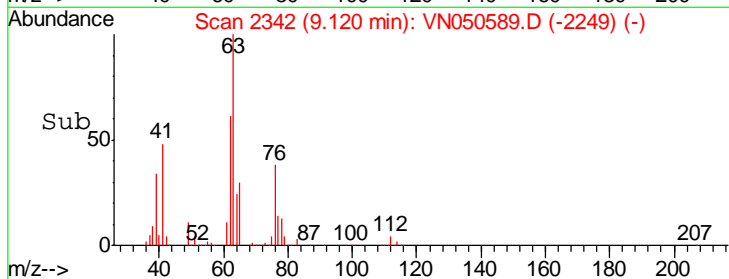
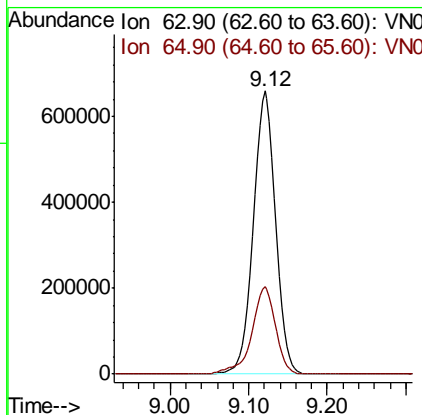
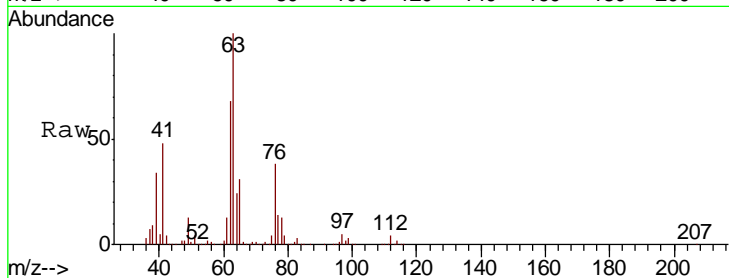
#45
 1,2-Dichloropropane
 Concen: 147.03 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 ClientSampled : VSTDICC150

Tgt Ion	Resp	Lower	Upper
63	100		
65	31.0	24.5	36.7

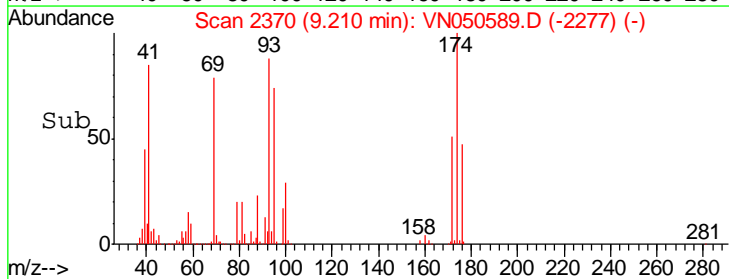
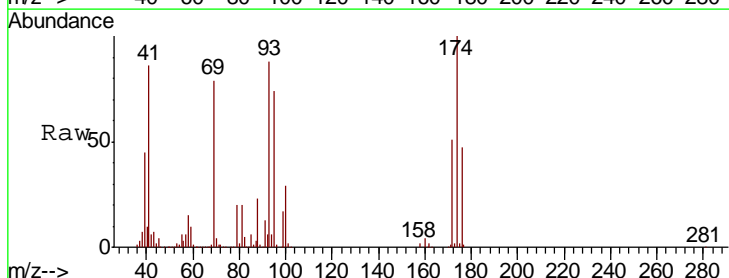
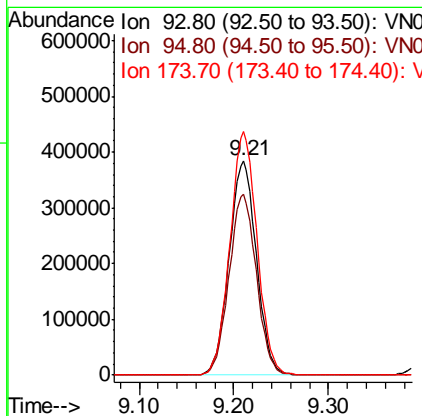
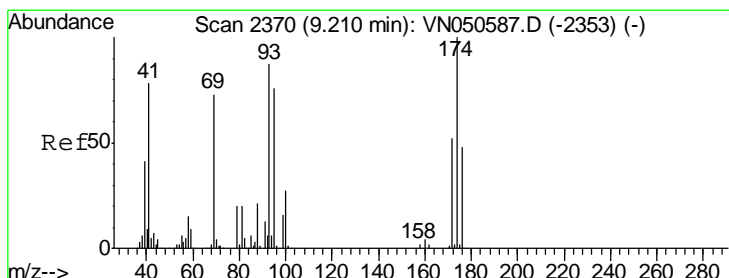
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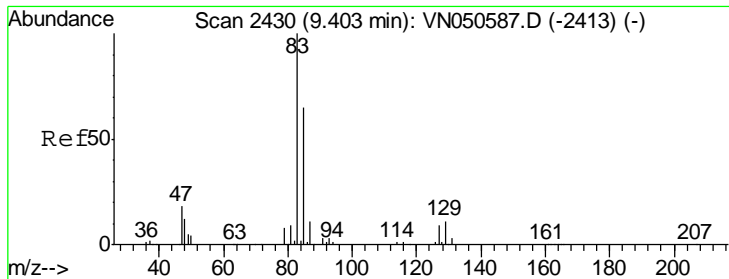
MMDadoda
 8/15/2018 3:21:47 PM



#46
 Dibromomethane
 Concen: 138.95 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
93	100		
95	84.6	69.1	103.7
174	112.8	91.0	136.6





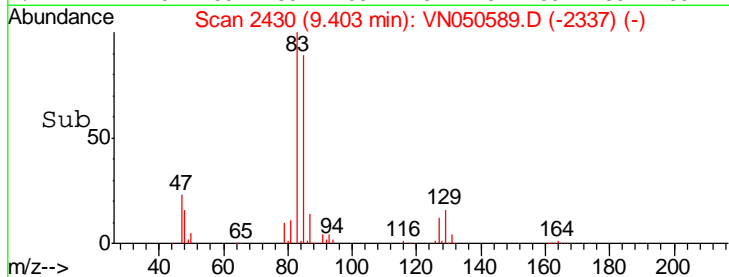
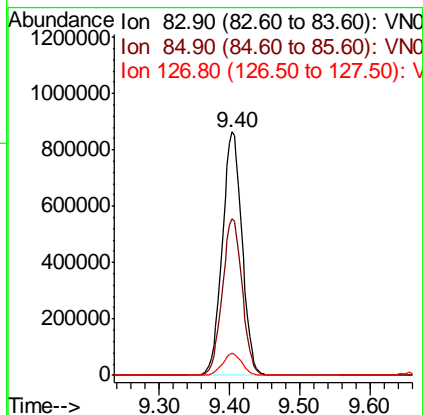
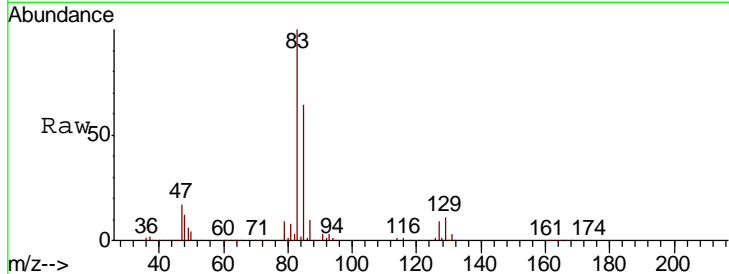
#47
 Bromodichloromethane
 Concen: 145.30 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	1687827		
85	64.4	51.8	77.6
127	9.0	7.2	10.8

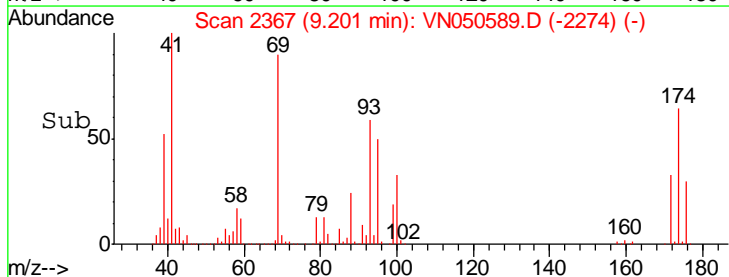
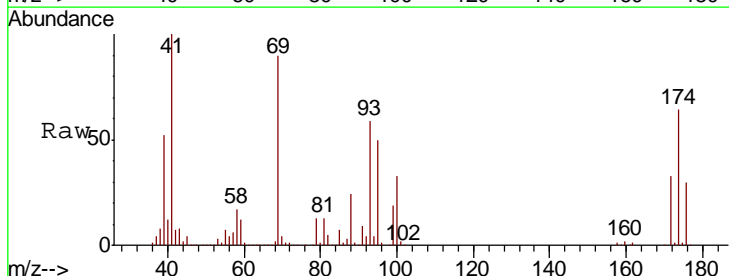
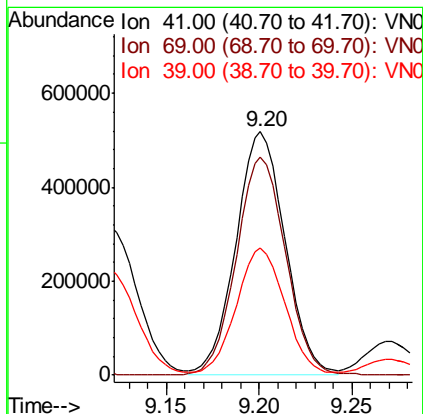
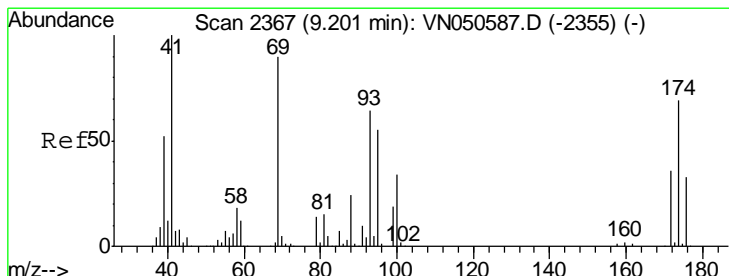
Manual Integrations
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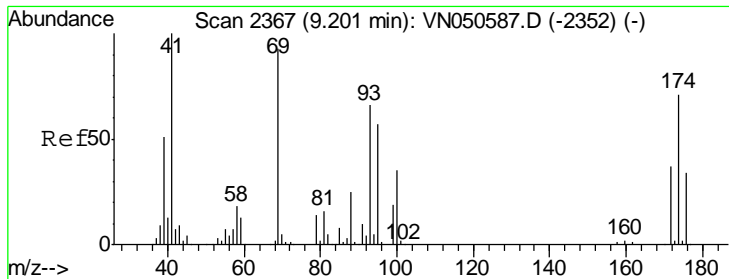
MMDadoda
 8/15/2018 3:21:47 PM



#48
 Methyl methacrylate
 Concen: 140.93 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
41	954905		
69	89.9	73.4	110.0
39	51.8	43.0	64.6





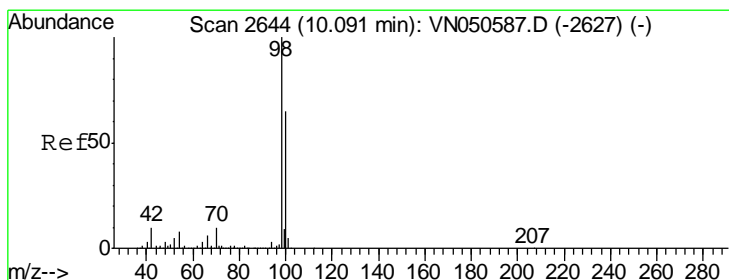
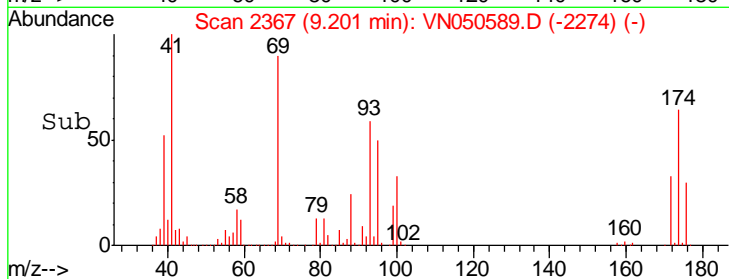
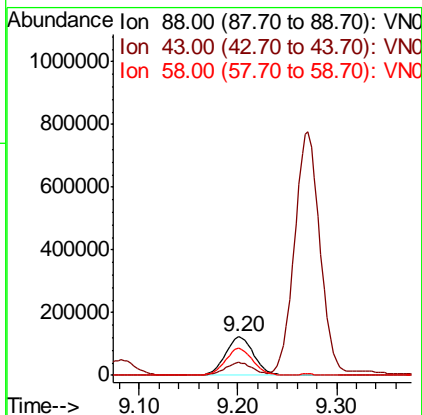
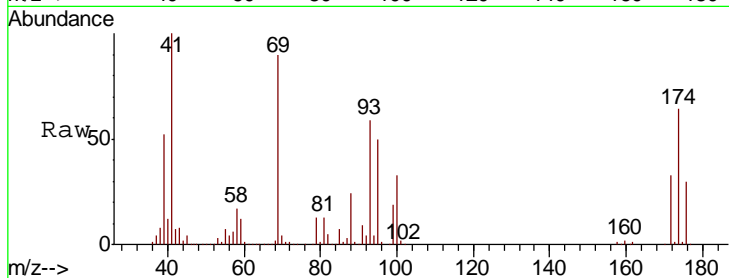
#49
 1,4-Dioxane
 Concen: 2411.93 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
88	100		
43	31.6	25.9	38.9
58	68.4	56.5	84.7

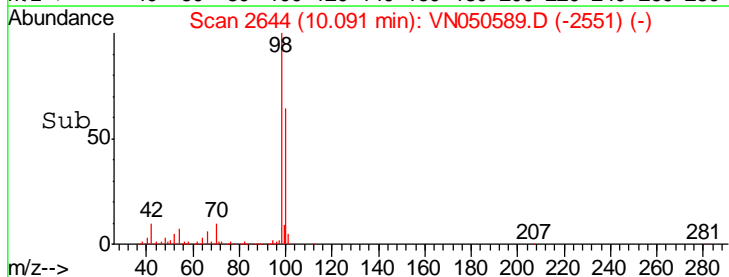
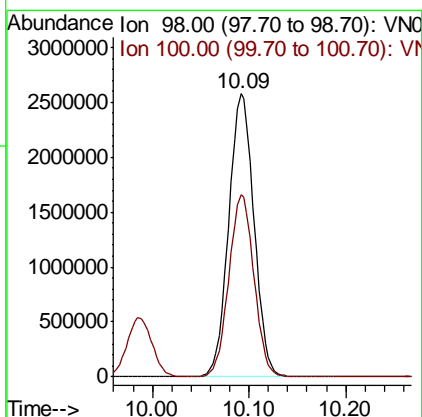
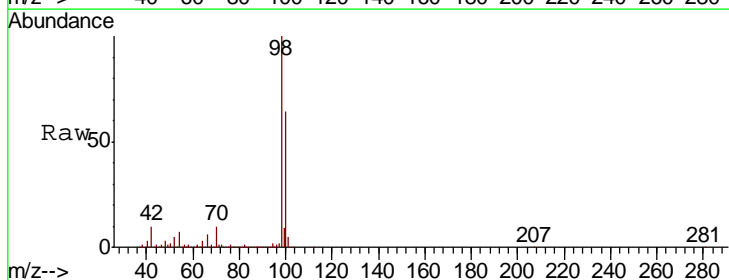
Manual Integrations
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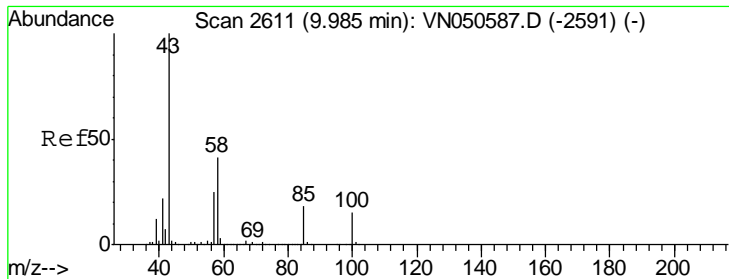
MMDadoda
 8/15/2018 3:21:47 PM



#50
 Toluene-d8
 Concen: 150.85 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
98	100		
100	64.0	51.8	77.8





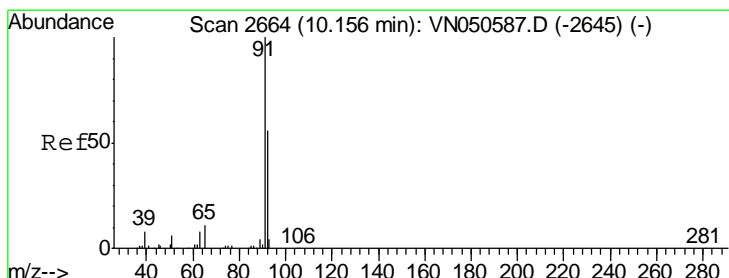
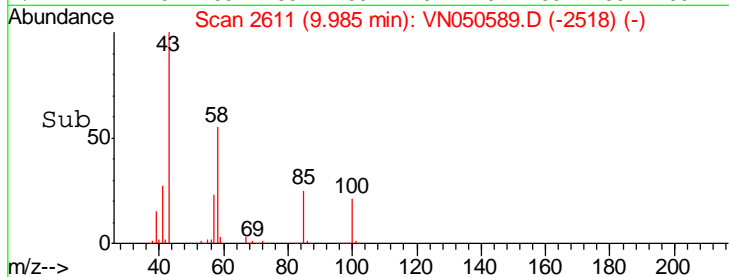
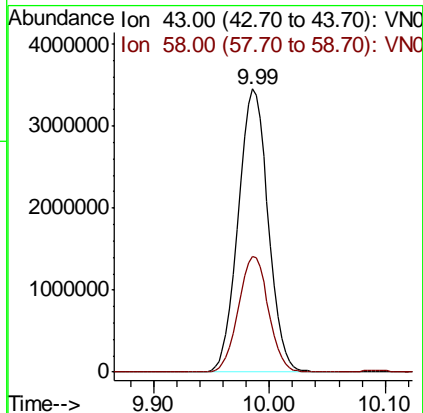
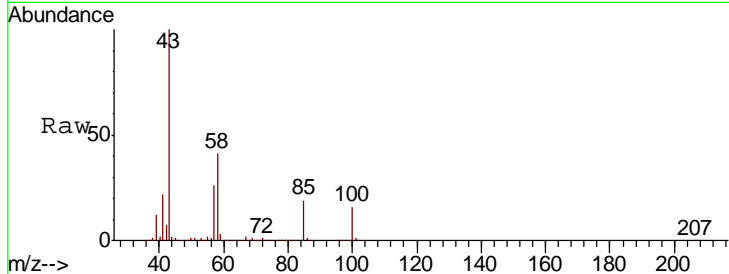
#51
 4-Methyl-2-Pentanone
 Concen: 638.00 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
43	100		
58	41.1	32.5	48.7

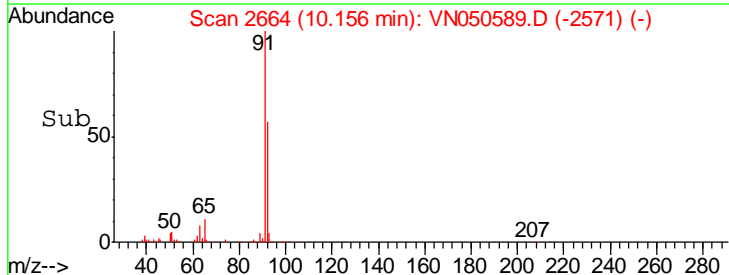
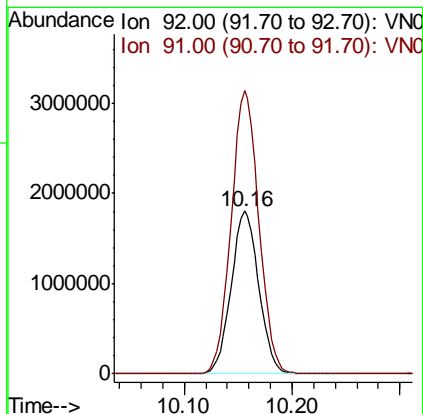
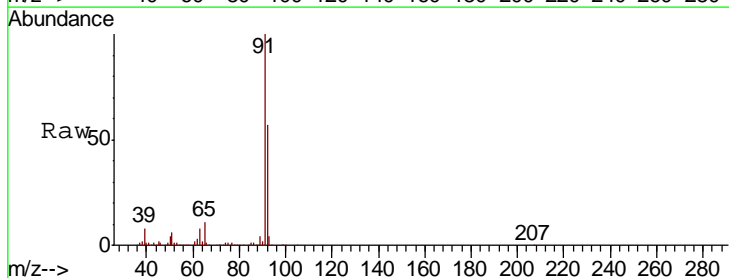
Manual Integrations
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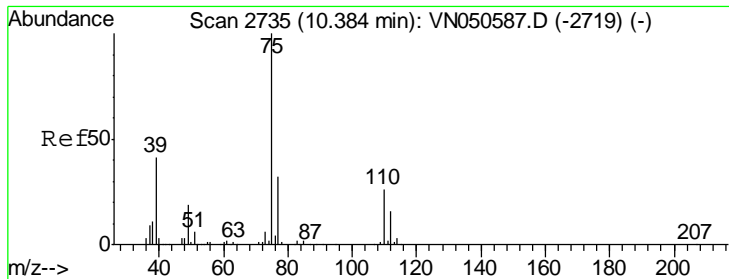
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#52
 Toluene
 Concen: 155.25 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
92	100		
91	174.1	141.9	212.9





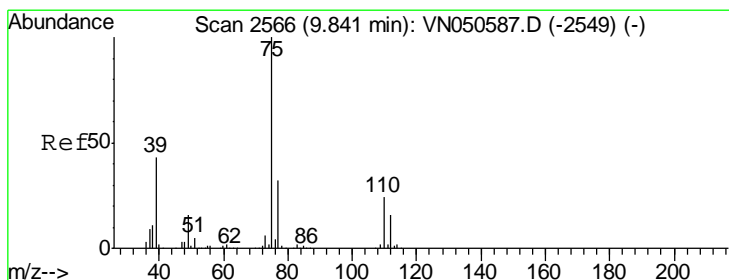
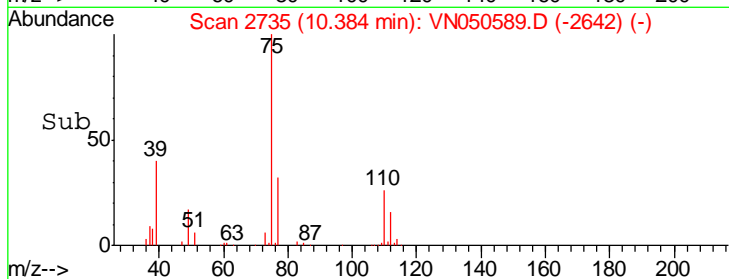
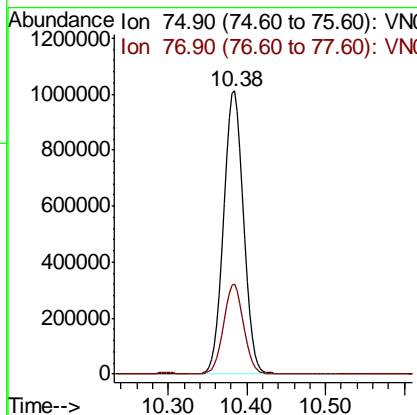
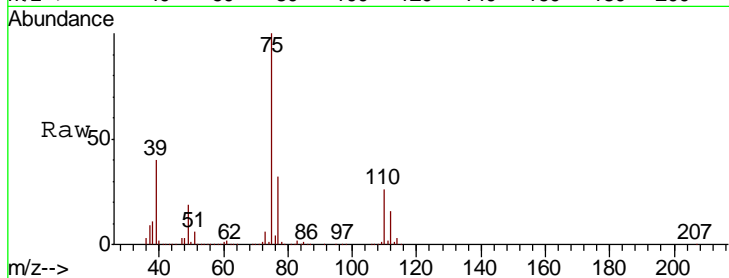
#53
 t-1,3-Dichloropropene
 Concen: 153.21 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	1766979		
75	100		
77	31.8	25.8	38.6

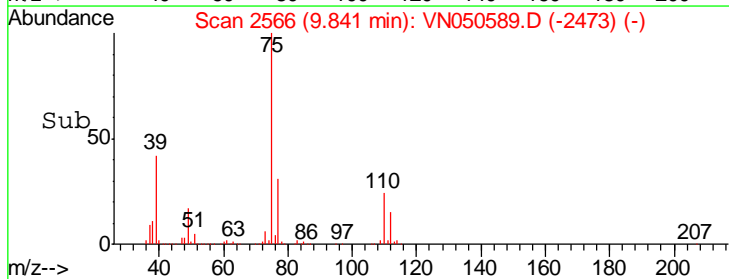
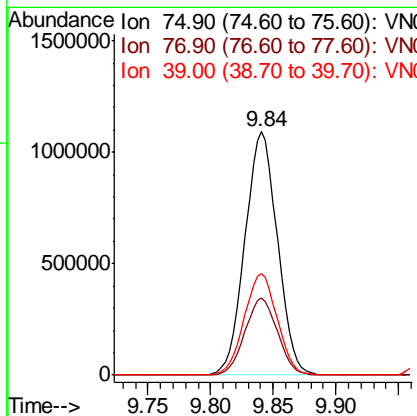
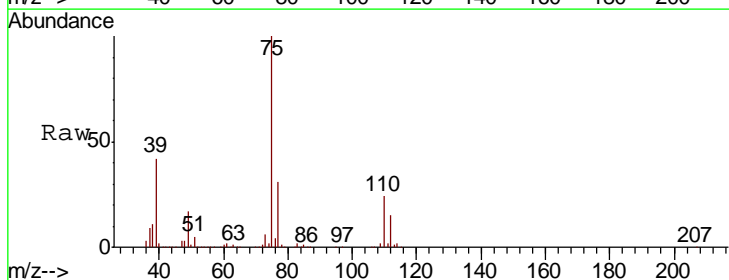
Manual Integrations
APPROVED

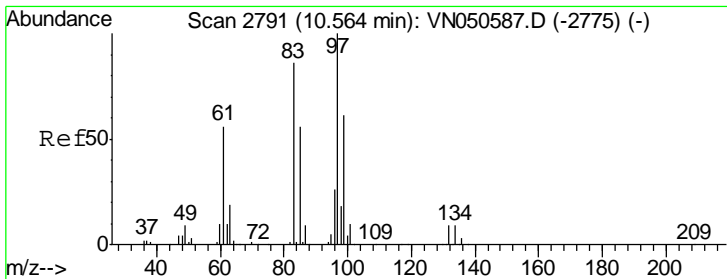
MMDadoda
 8/15/2018 3:21:47 PM



#54
 cis-1,3-Dichloropropene
 Concen: 152.28 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

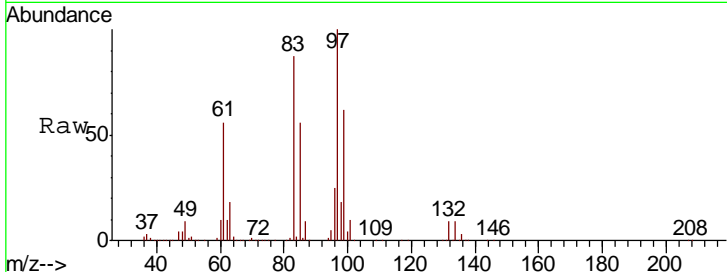
Tgt Ion	Resp	Lower	Upper
75	1970411		
75	100		
77	31.5	25.6	38.4
39	41.9	34.4	51.6





#55
 1,1,2-Trichloroethane
 Concen: 139.39 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

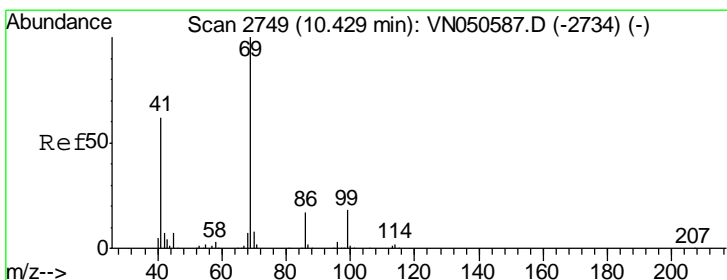
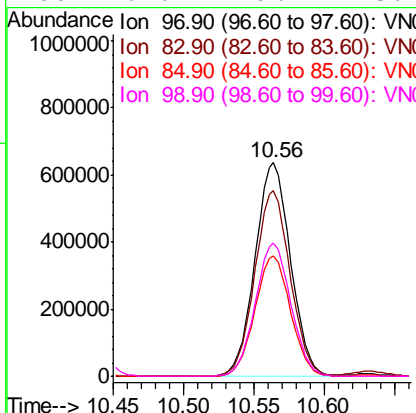
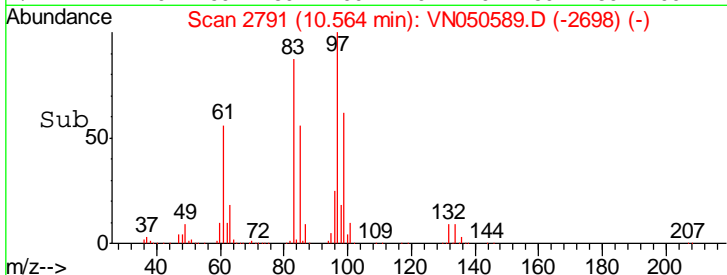
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150



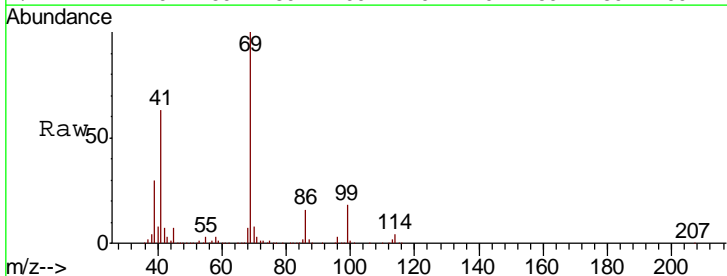
Tgt Ion: 97 Resp: 1119586

Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.5	102.7
85	56.2	44.6	66.8
99	62.2	49.1	73.7

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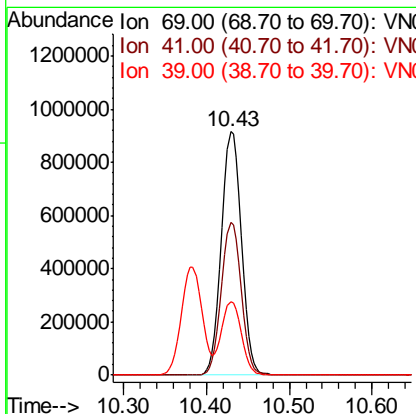
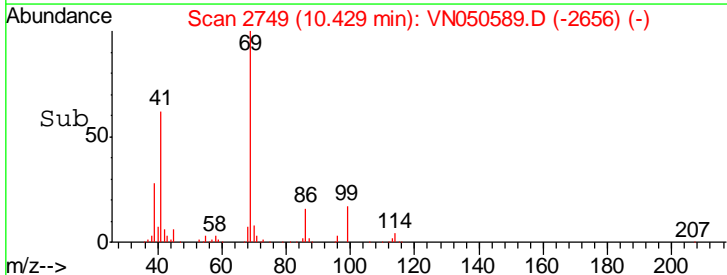


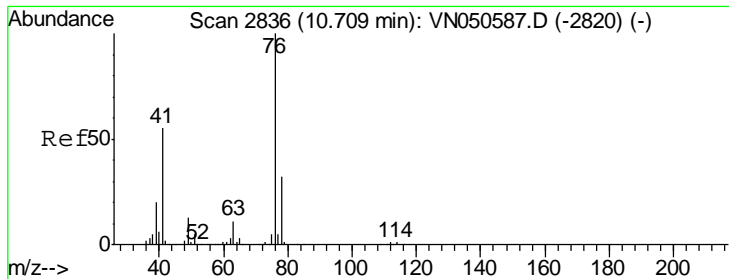
#56
 Ethyl methacrylate
 Concen: 152.84 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49



Tgt Ion: 69 Resp: 1527695

Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.7	74.5
39	30.4	24.2	36.2





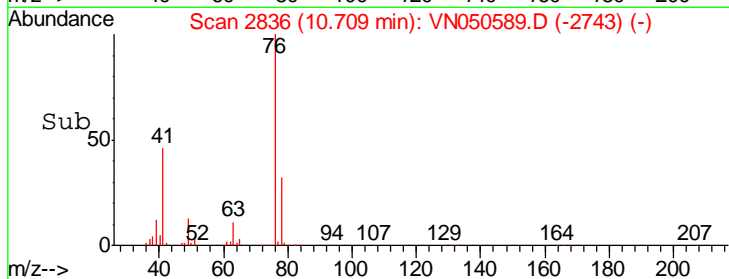
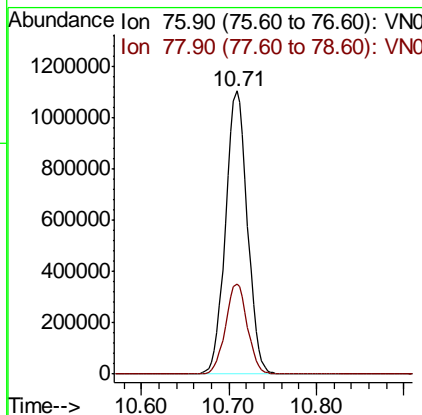
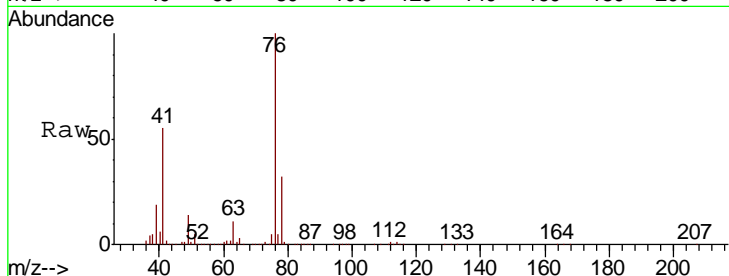
#57
 1,3-Dichloropropane
 Concen: 144.68 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
76	100		
78	32.0	25.8	38.6

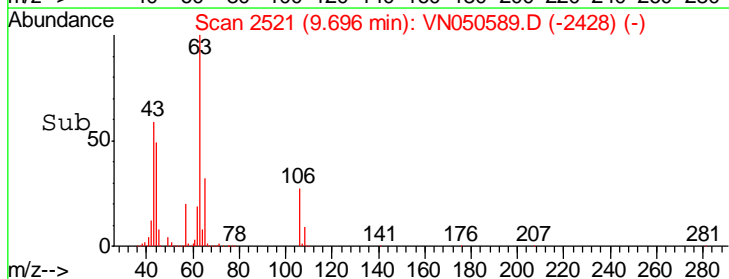
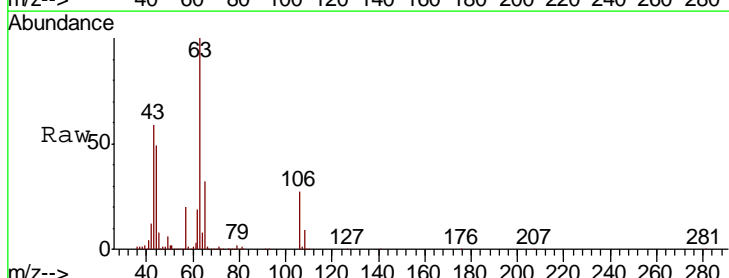
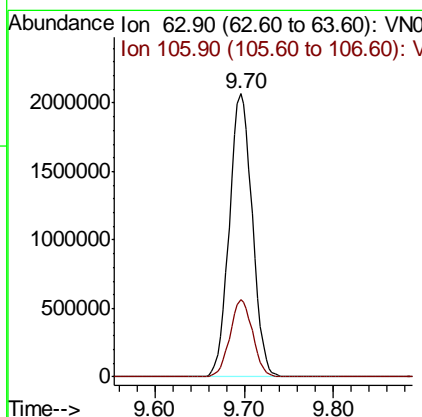
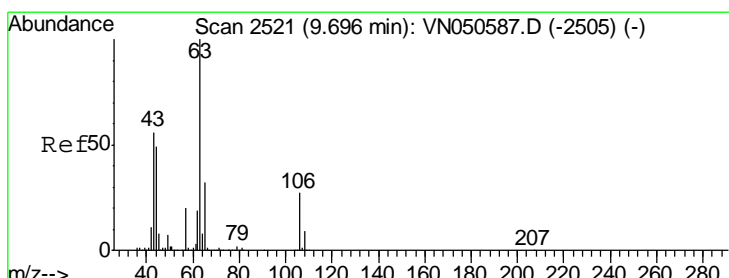
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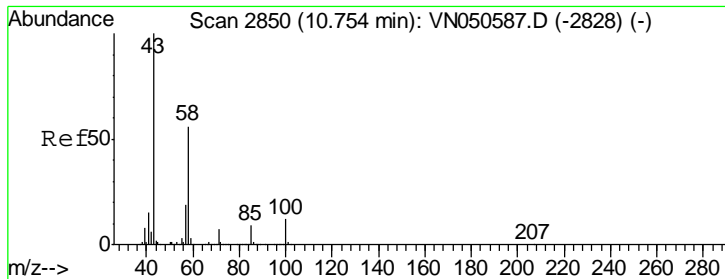
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#58
 2-Chloroethyl Vinyl ether
 Concen: 787.74 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
63	100		
106	27.0	21.7	32.5





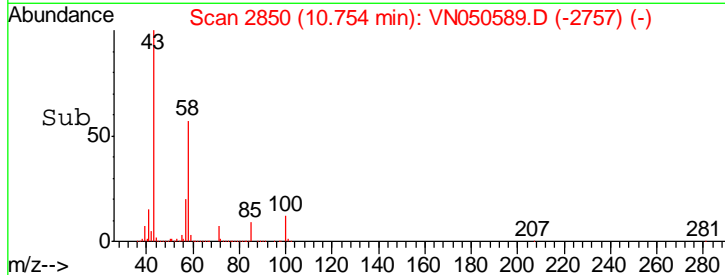
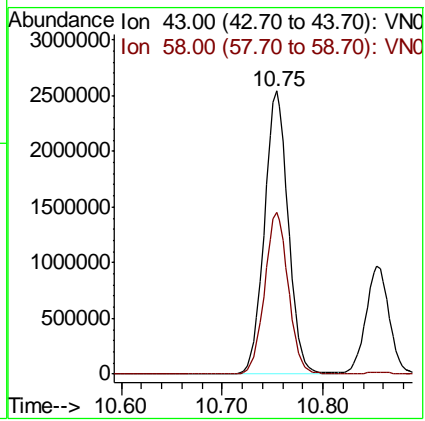
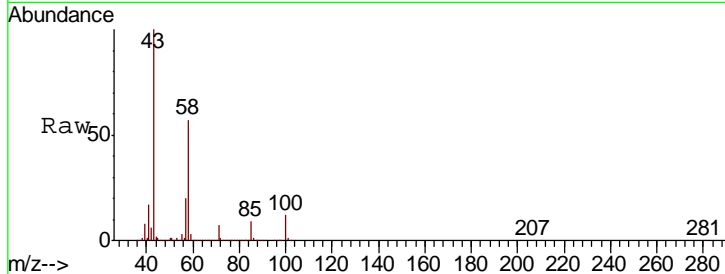
#59
 2-Hexanone
 Concen: 621.00 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion: 43 Resp: 4173400

Ion	Ratio	Lower	Upper
43	100		
58	57.0	28.0	84.0

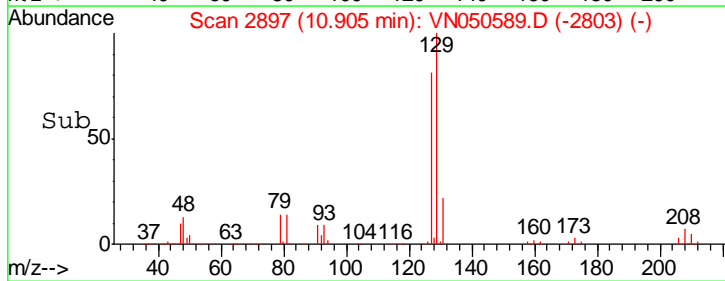
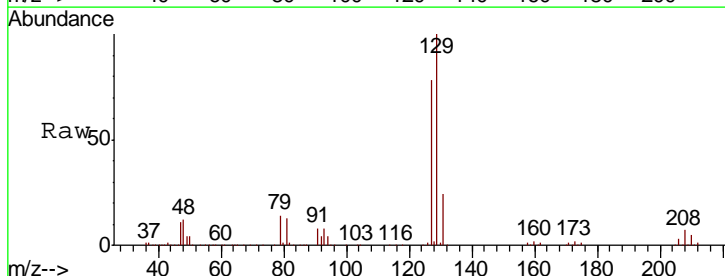
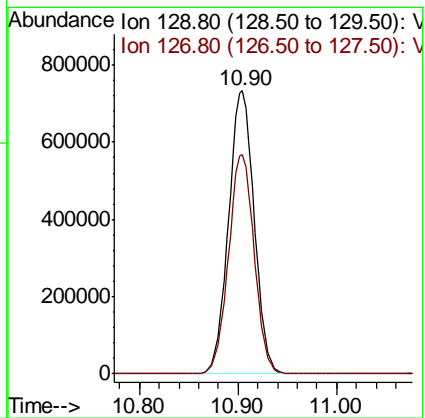
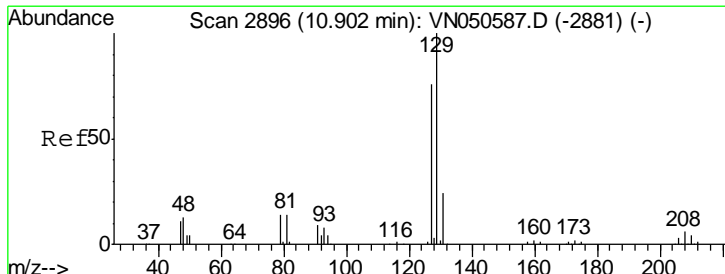
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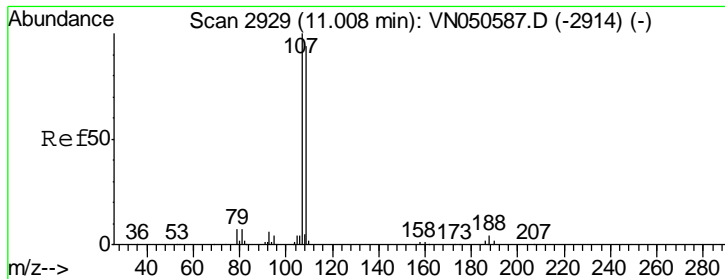


#60
 Dibromochloromethane
 Concen: 149.94 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 129 Resp: 1328576

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.9	116.7





#61
 1,2-Dibromoethane
 Concen: 146.34 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

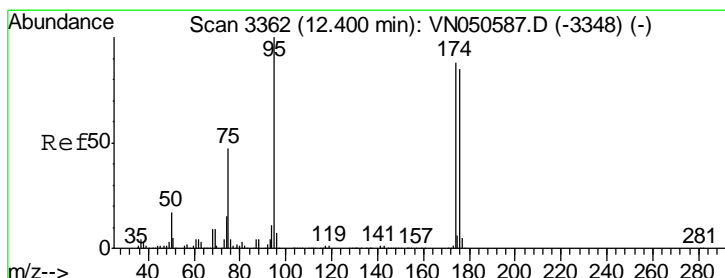
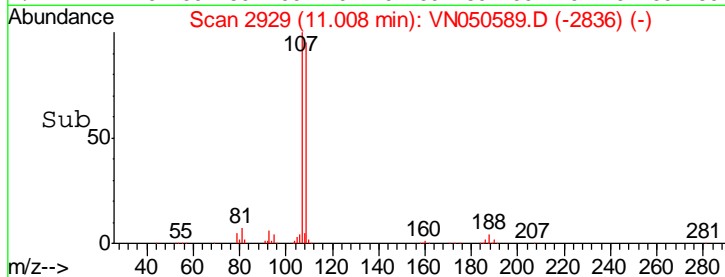
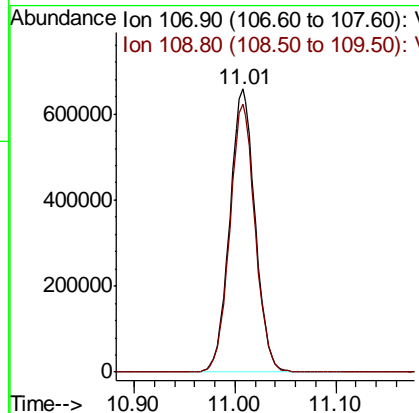
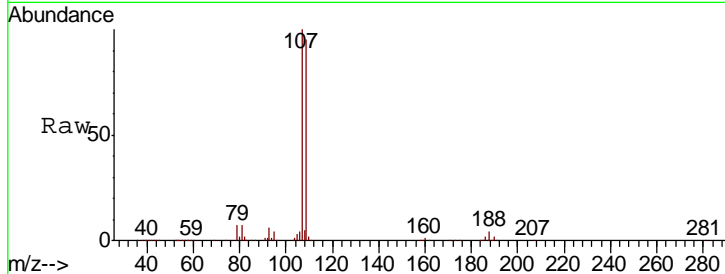
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC150

Tgt Ion: 107 Resp: 1153488

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.7	113.5

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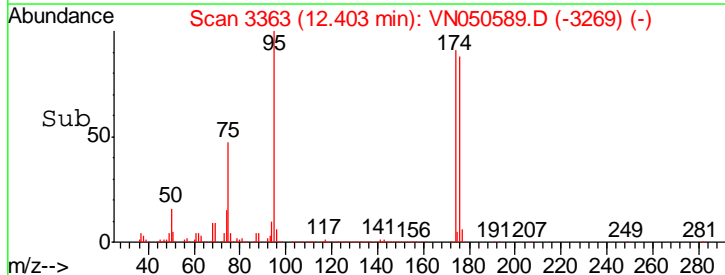
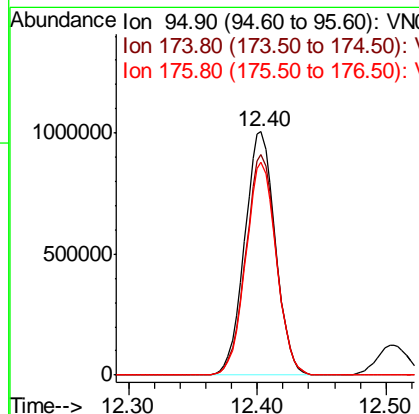
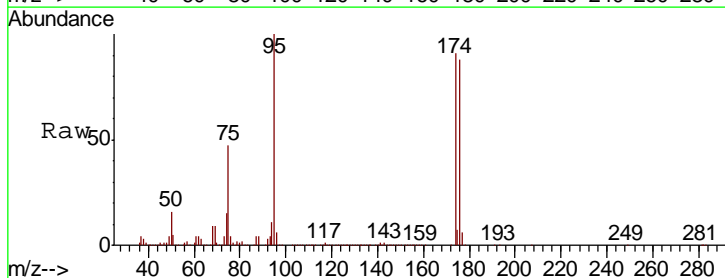
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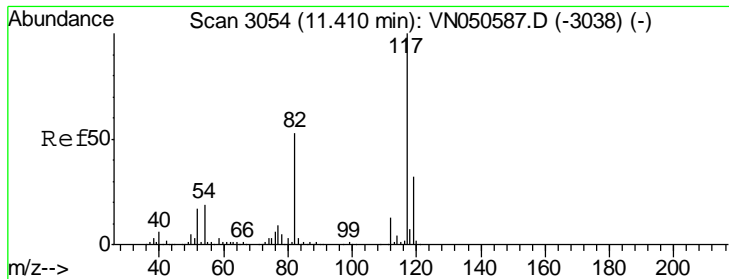


#62
 4-Bromofluorobenzene
 Concen: 158.59 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 95 Resp: 1663786

Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	177.8
176	87.2	0.0	175.0





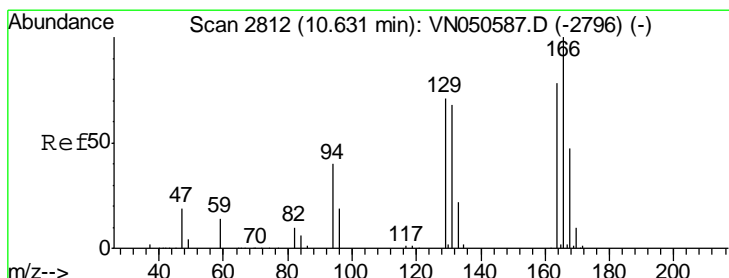
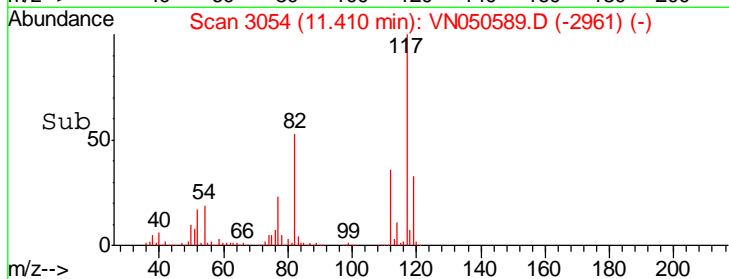
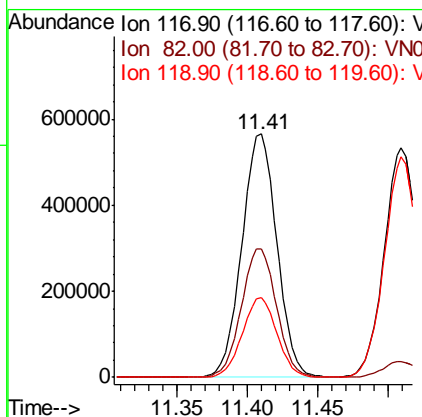
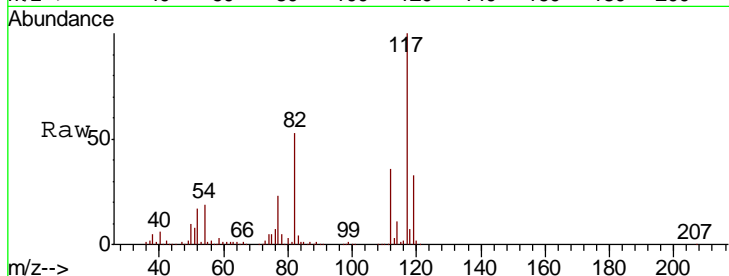
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICC150

Tgt Ion	Resp	Lower	Upper
117	985863		
82	52.6	42.4	63.6
119	32.9	25.8	38.8

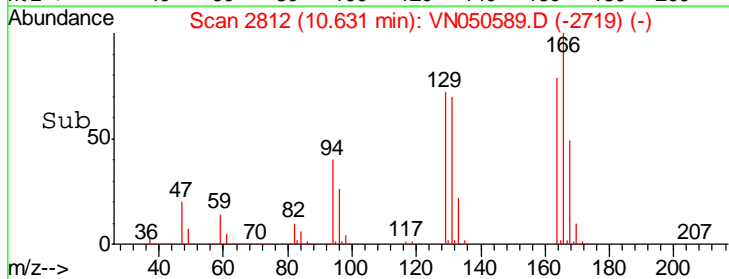
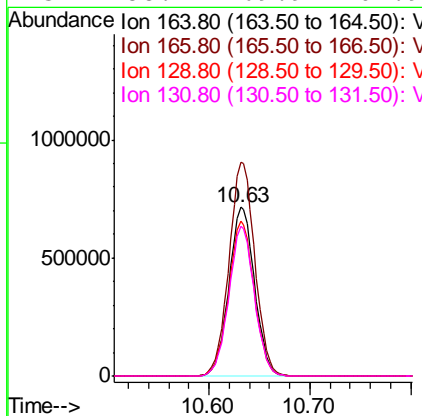
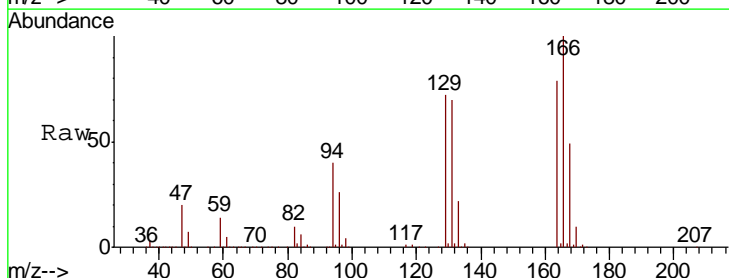
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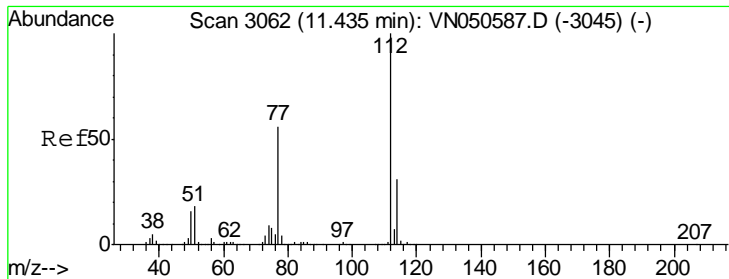
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#64
 Tetrachloroethene
 Concen: 137.80 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
164	1267444		
166	126.8	102.1	153.1
129	91.6	72.7	109.1
131	88.7	69.9	104.9





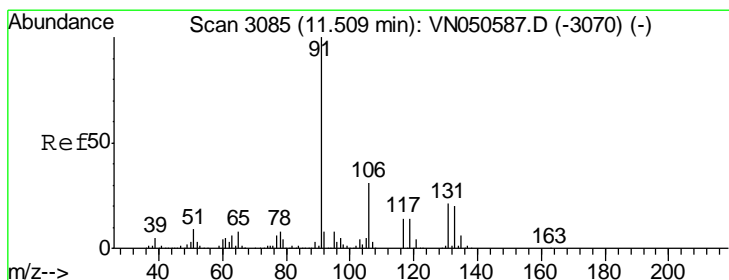
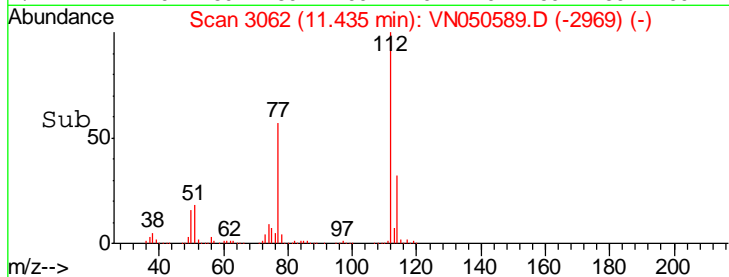
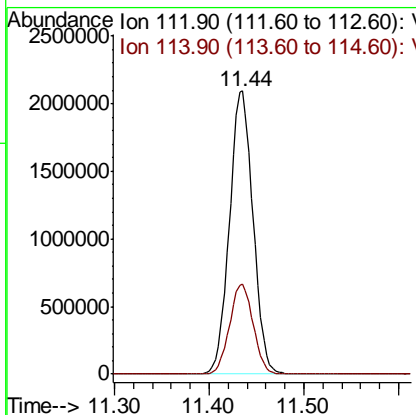
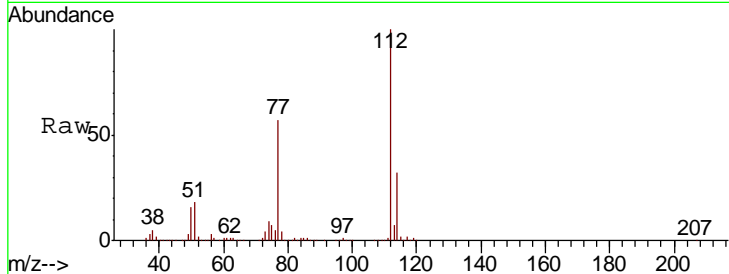
#65
 Chlorobenzene
 Concen: 146.05 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
112	3611520		
114	31.7	25.2	37.8

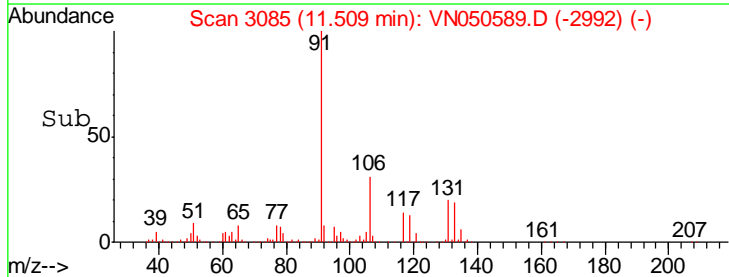
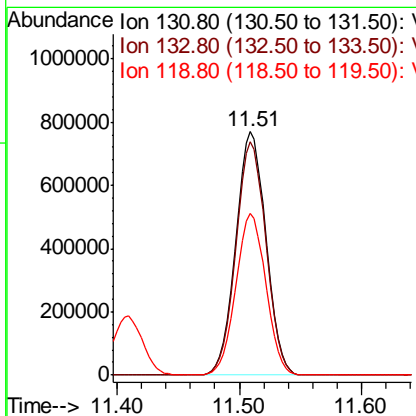
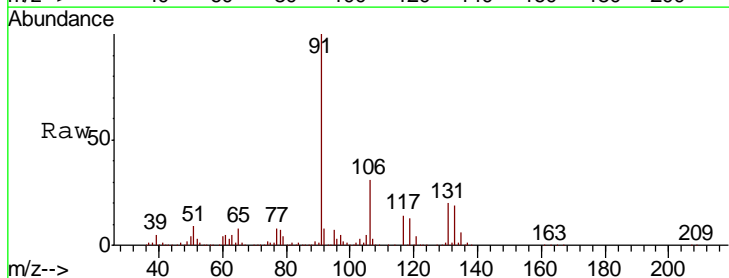
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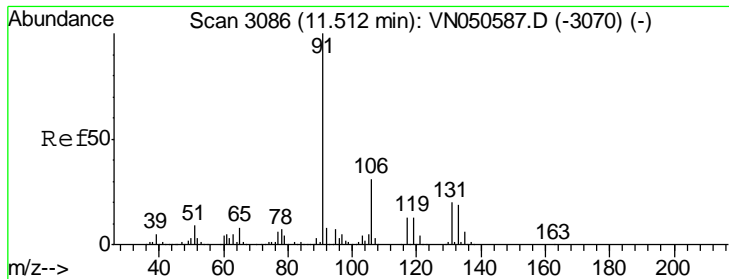
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 145.07 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
131	1308725		
133	95.9	47.6	142.9
119	66.2	33.1	99.3





#67
Ethyl Benzene
Concen: 157.54 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

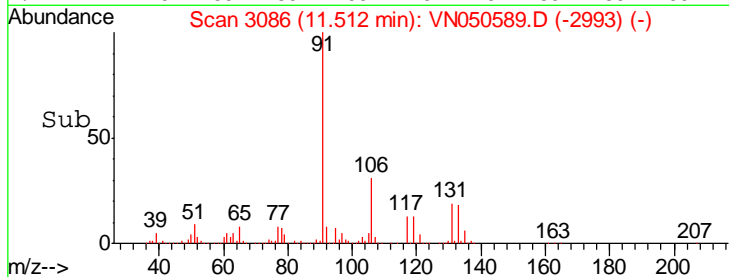
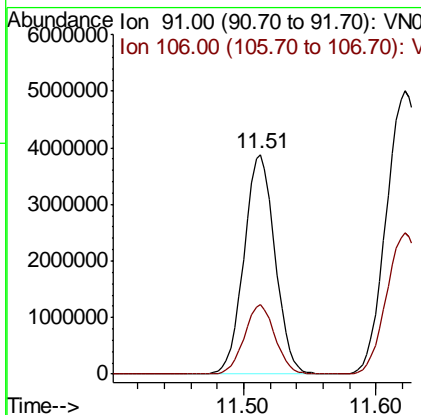
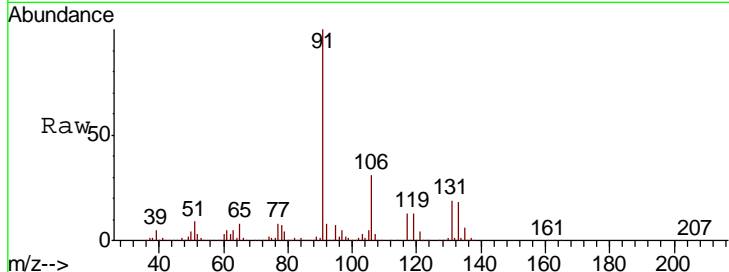
Instrument : MSVOA_N
Client Sampled : VSTDIC150

Tgt Ion: 91 Resp: 6297817

Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.8	37.2

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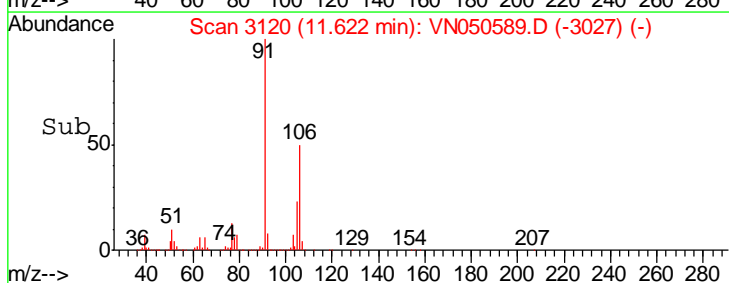
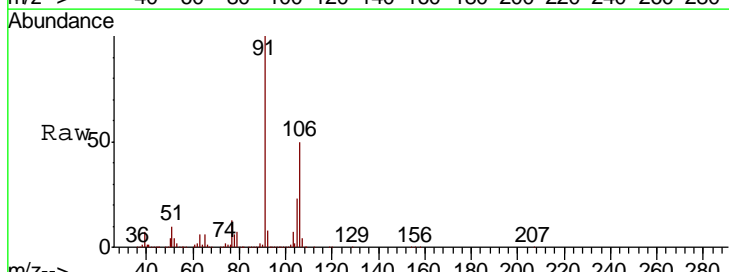
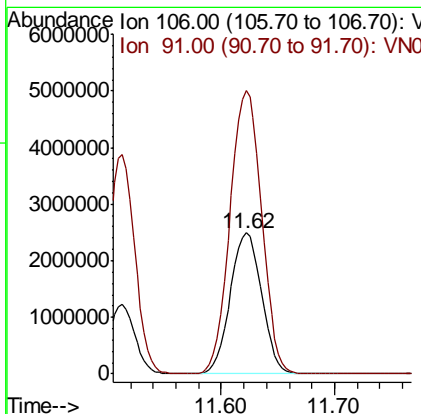
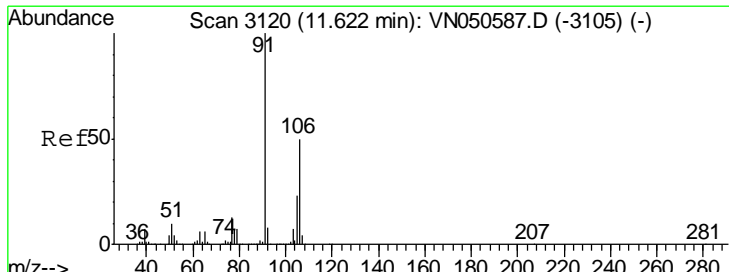
MMDadoda
8/15/2018 3:21:47 PM

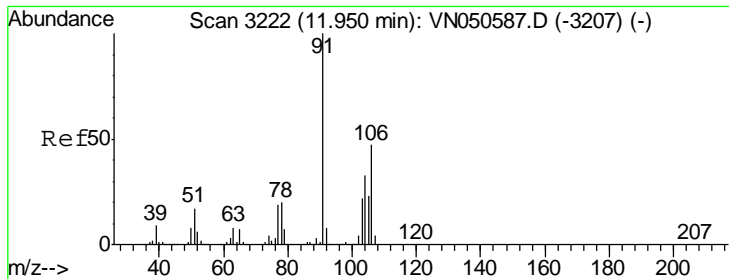


#68
m/p-Xylenes
Concen: 316.29 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050589.D
Acq: 14 Aug 2018 1:49

Tgt Ion: 106 Resp: 4816895

Ion	Ratio	Lower	Upper
106	100		
91	202.3	161.5	242.3





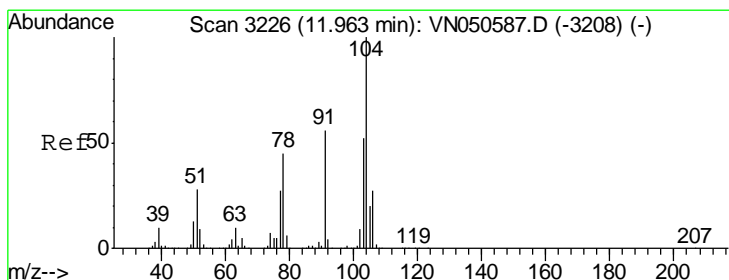
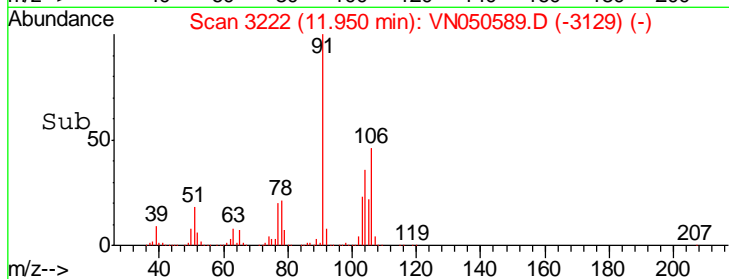
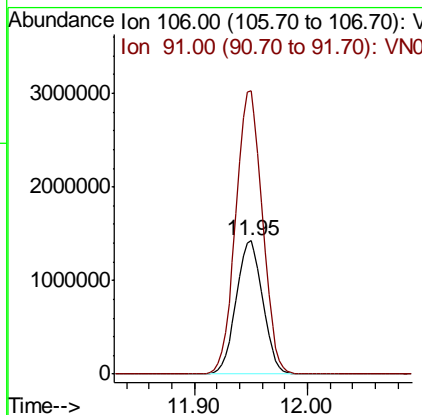
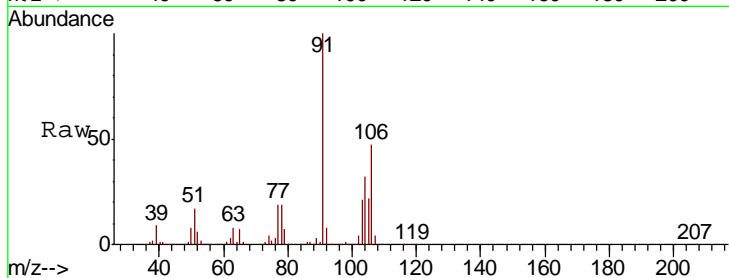
#69
 o-Xylene
 Concen: 160.11 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
106	2344737		
106	100		
91	212.7	106.8	320.4

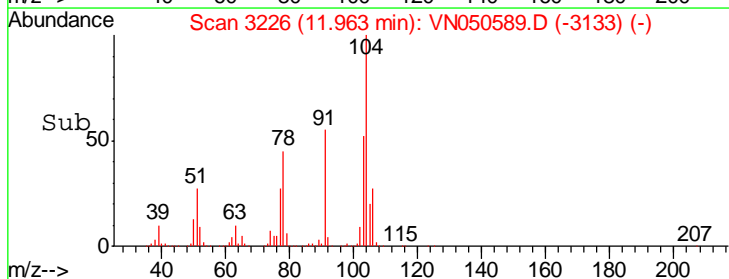
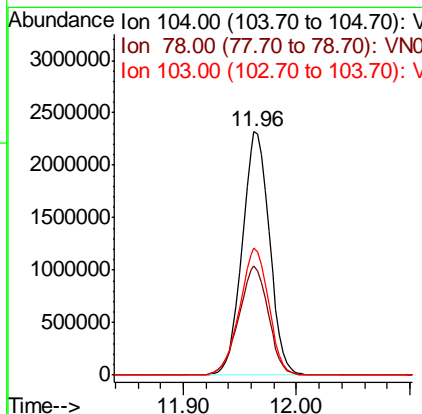
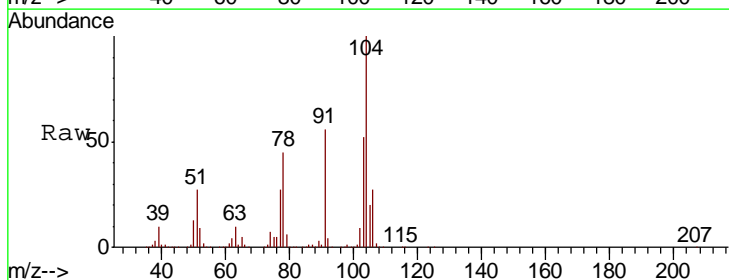
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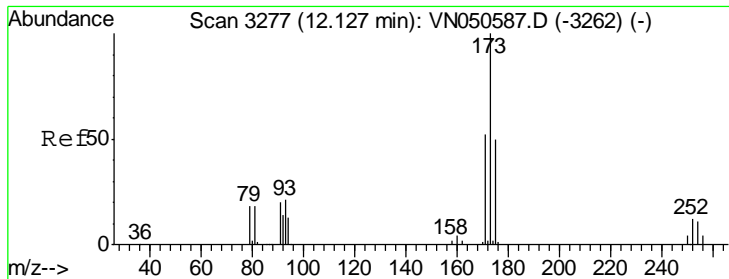
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#70
 Styrene
 Concen: 163.59 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
104	3885151		
104	100		
78	48.6	39.1	58.7
103	55.8	44.9	67.3





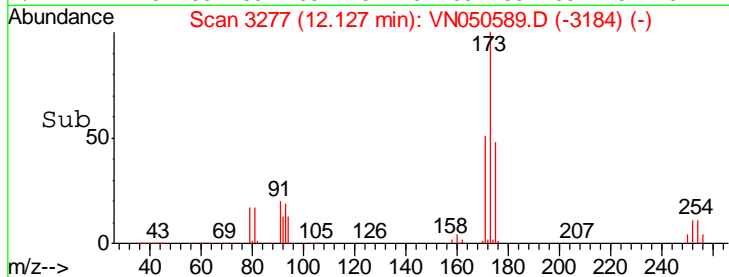
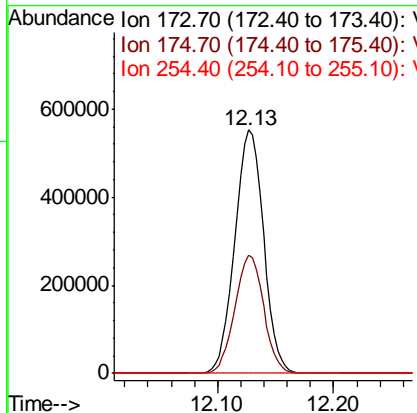
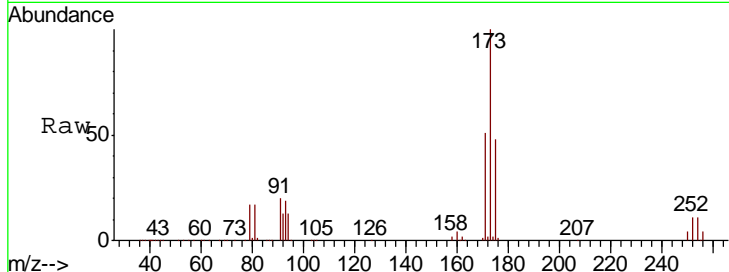
#71
 Bromoform
 Concen: 146.22 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.6	24.4	73.2
254	0.1	0.0	0.0

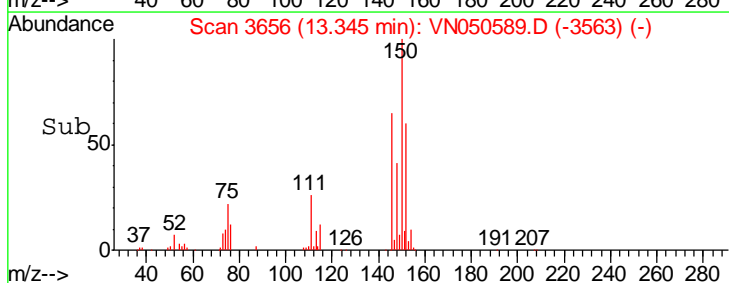
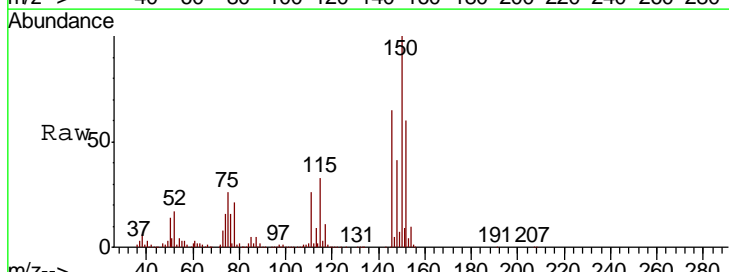
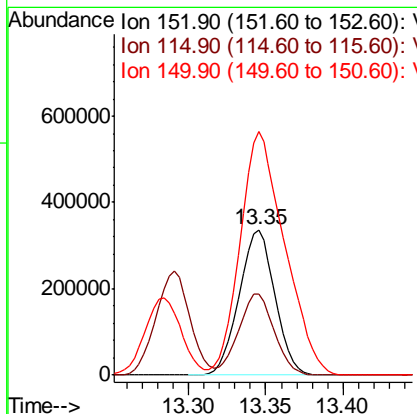
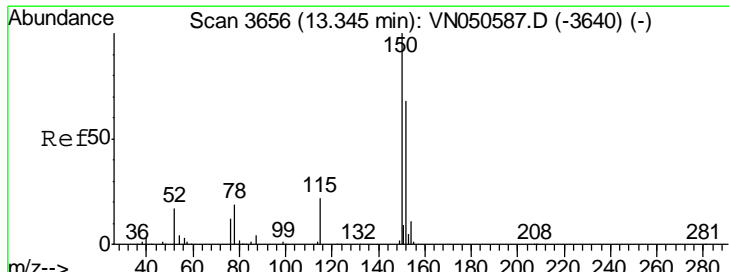
Manual Integrations
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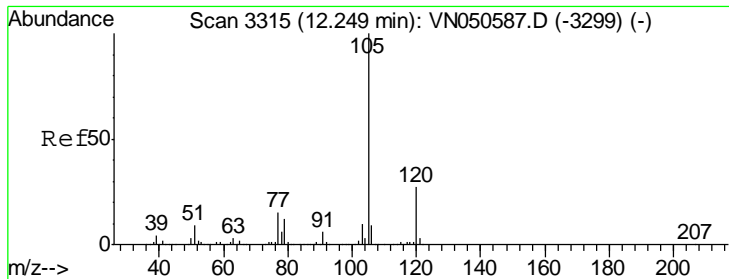
MMDadoda
 8/15/2018 3:21:47 PM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.7	28.1	84.2
150	209.0	0.0	347.8





#73
 Isopropylbenzene
 Concen: 150.63 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

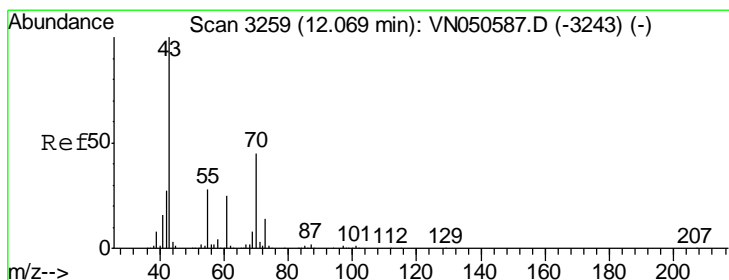
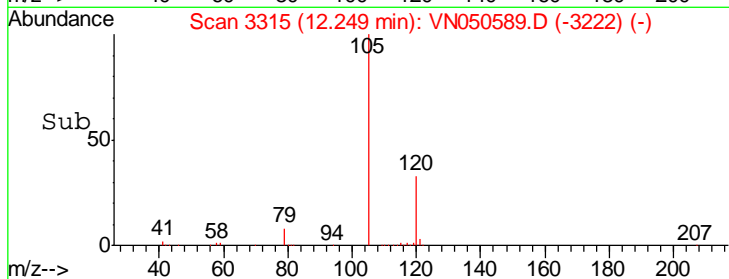
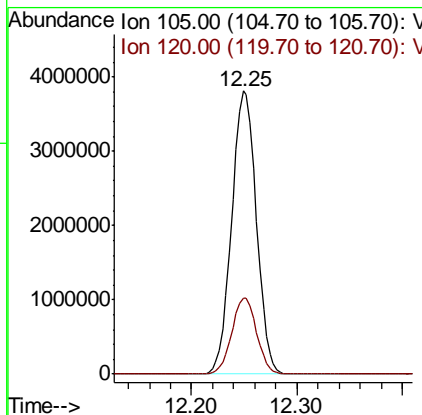
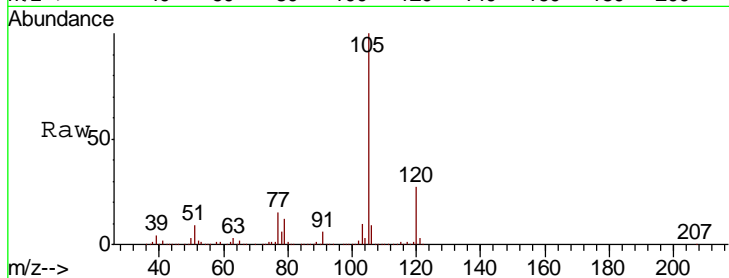
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 105 Resp: 6151229

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.4	40.1

Manual Integrations
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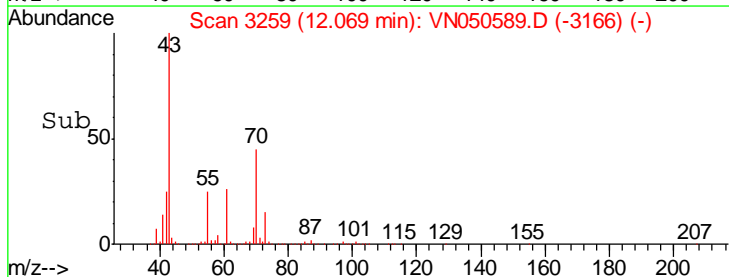
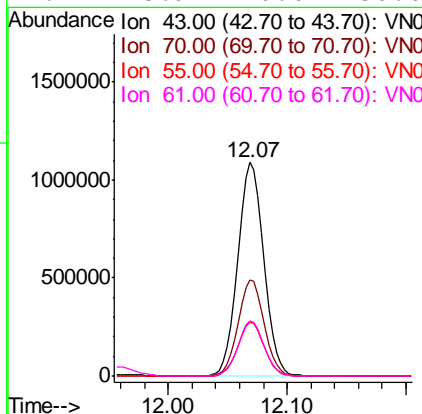
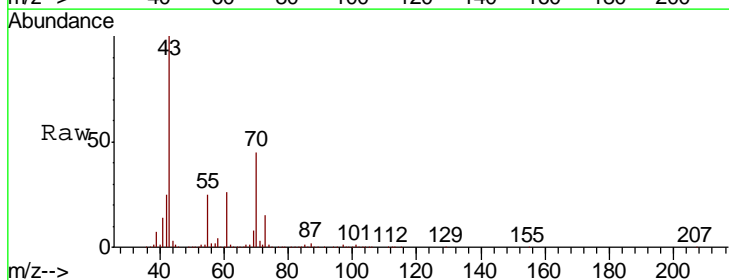
MMDadoda
 8/15/2018 3:21:47 PM

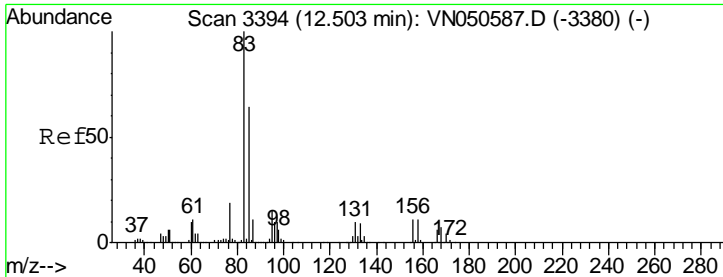


#74
 N-amyl acetate
 Concen: 129.16 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 43 Resp: 1649602

Ion	Ratio	Lower	Upper
43	100		
70	45.0	35.9	53.9
55	25.5	22.2	33.4
61	25.9	20.0	30.0





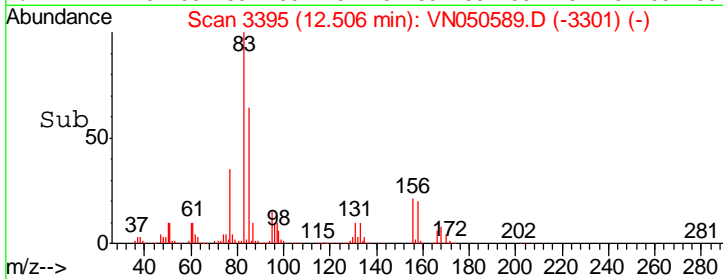
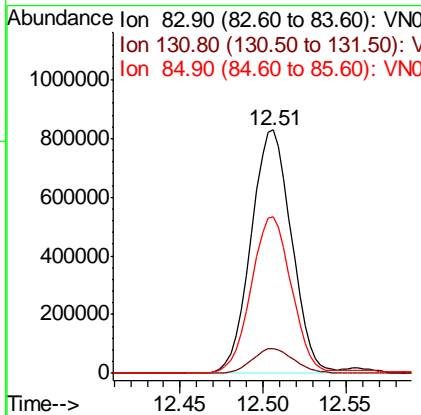
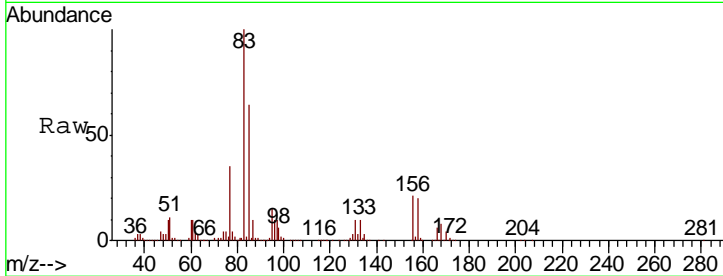
#75
 1,1,2,2-Tetrachloroethane
 Concen: 122.03 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
83	1406880		
83	100		
131	10.4	5.3	15.9
85	64.1	32.1	96.5

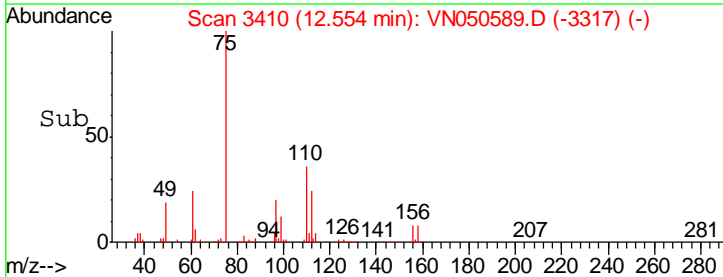
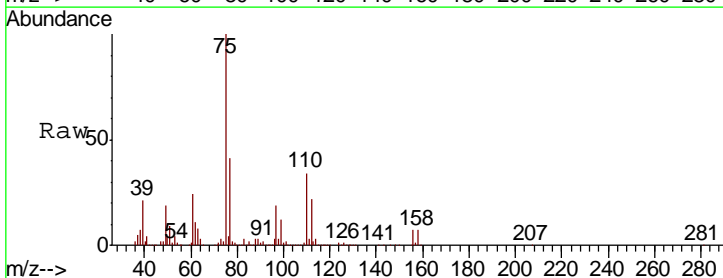
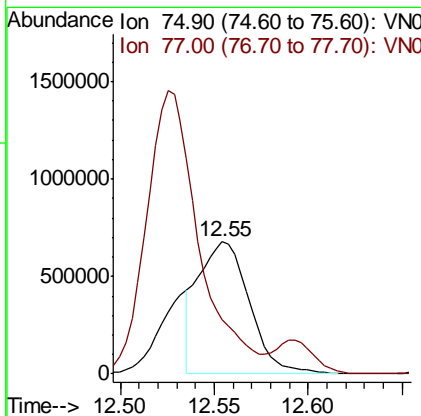
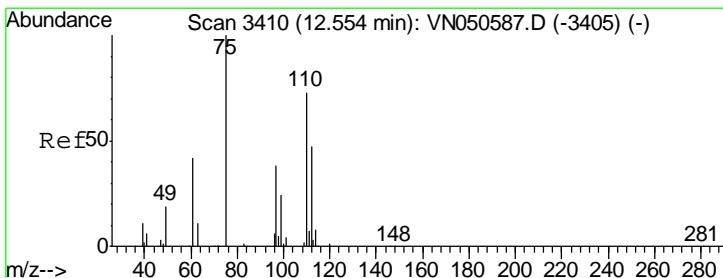
Manual Integrations
 APPROVED

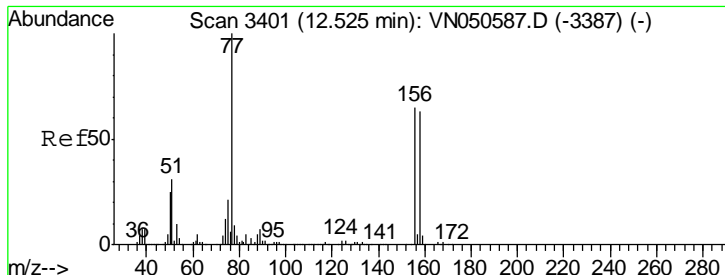
MMDadoda
 8/15/2018 3:21:47 PM



#76
 1,2,3-Trichloropropane
 Concen: 131.79 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
75	1286327		
75	100		
77	0.0	0.0	0.0





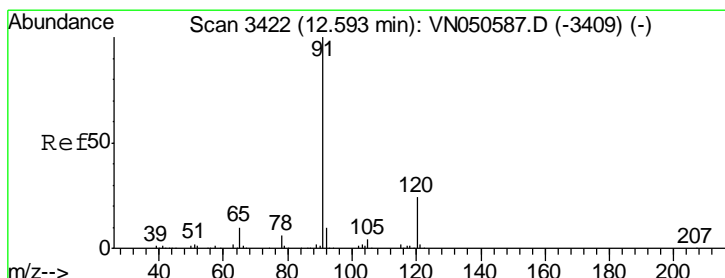
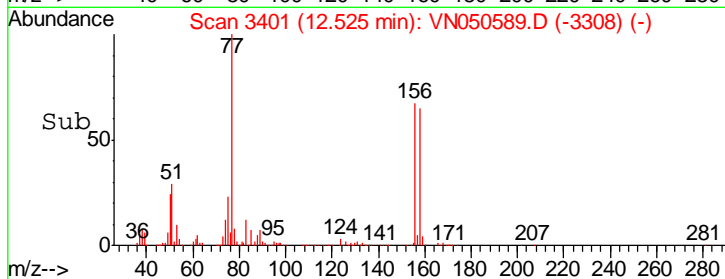
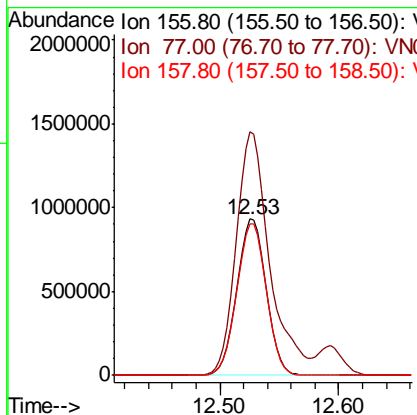
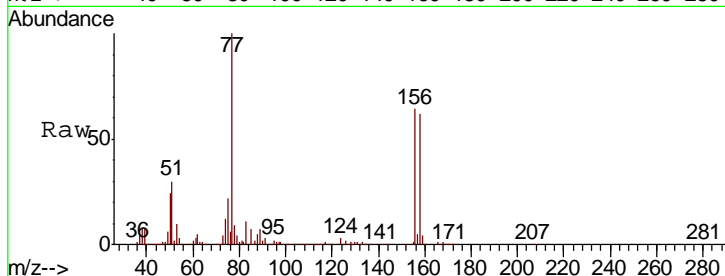
#77
 Bromobenzene
 Concen: 145.83 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
156	1593498		
77	178.5	89.0	267.1
158	97.5	48.5	145.6

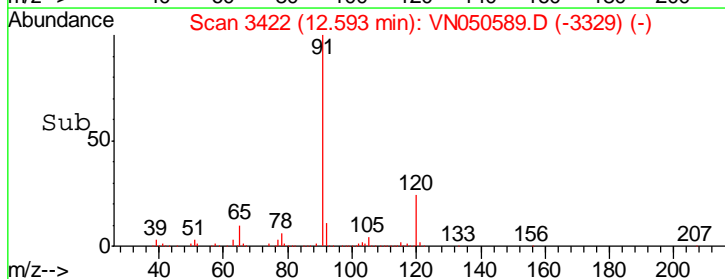
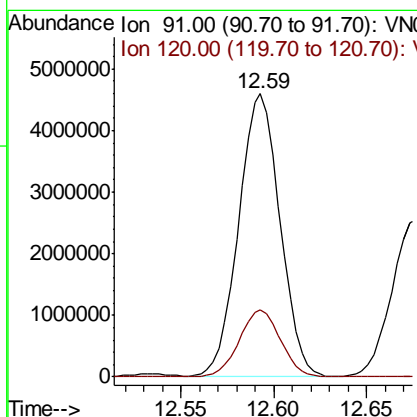
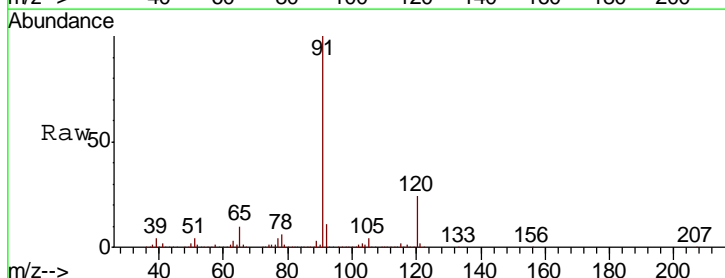
Manual Integrations
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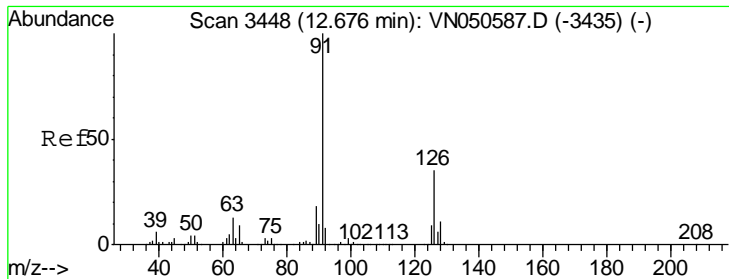
MMDadoda
 8/15/2018 3:21:47 PM



#78
 n-propylbenzene
 Concen: 153.33 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
91	7081288		
120	23.6	11.8	35.4





#79
 2-Chlorotoluene
 Concen: 146.57 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

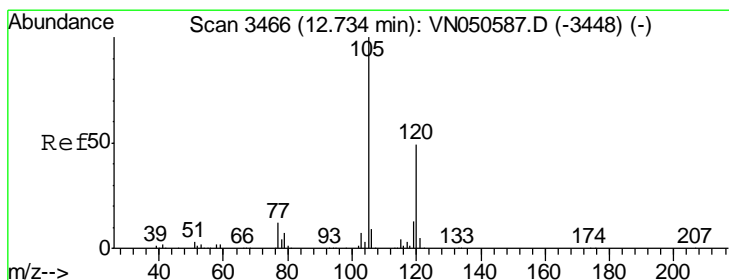
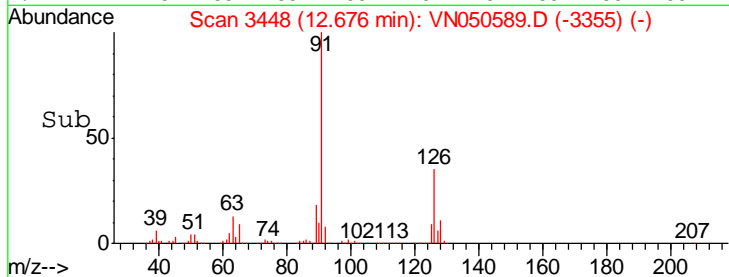
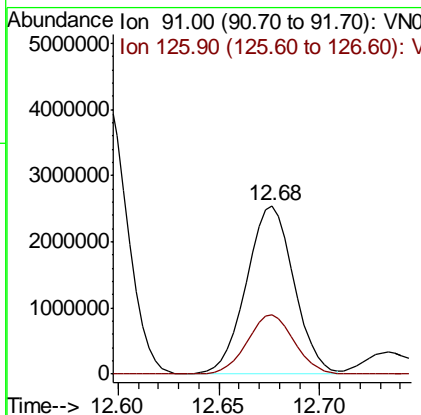
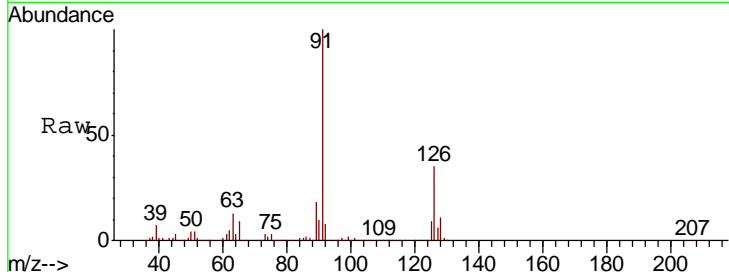
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDIC150

Tgt Ion: 91 Resp: 4183529

Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.6	52.8

Manual Integrations
 APPROVED

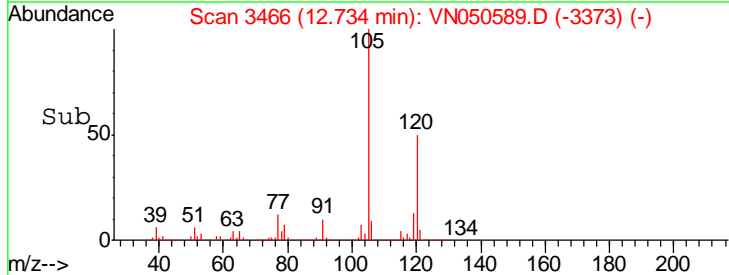
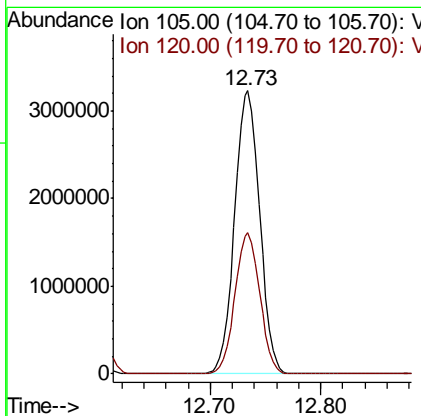
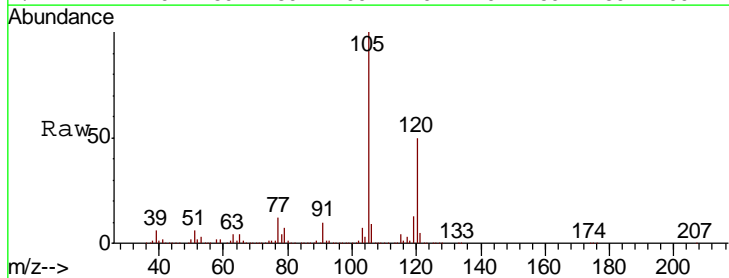
MMDadoda
 8/15/2018 3:21:47 PM

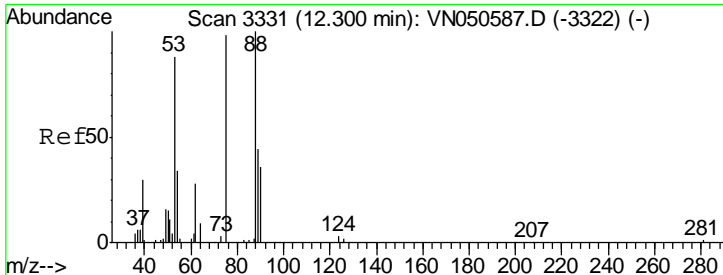


#80
 1,3,5-Trimethylbenzene
 Concen: 153.38 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 105 Resp: 5074200

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.7	74.1





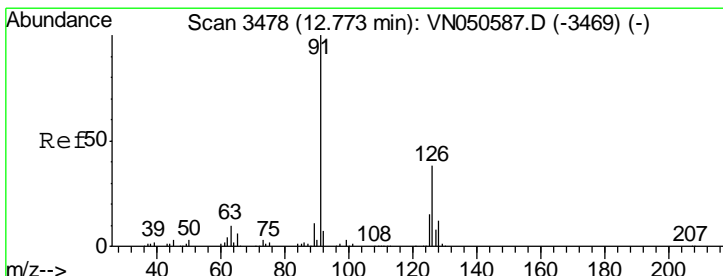
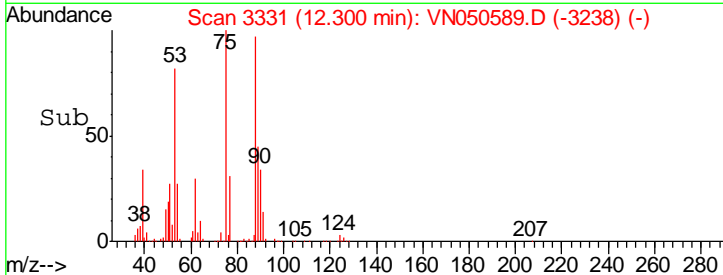
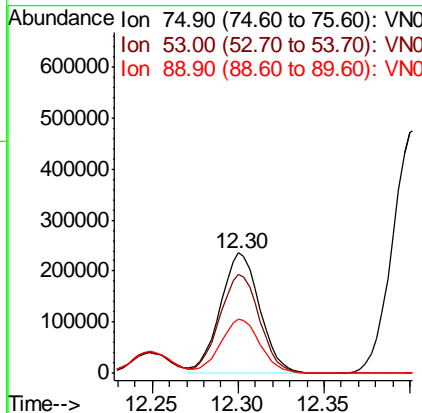
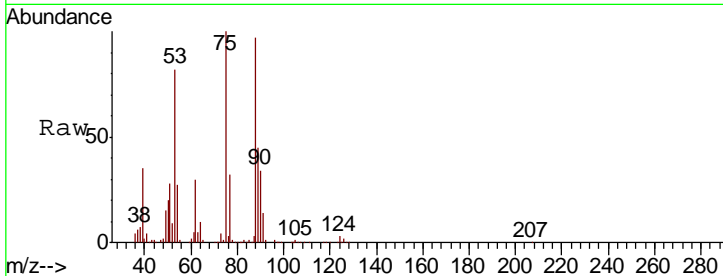
#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.77 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
75	100		
53	84.3	72.2	108.2
89	45.7	36.3	54.5

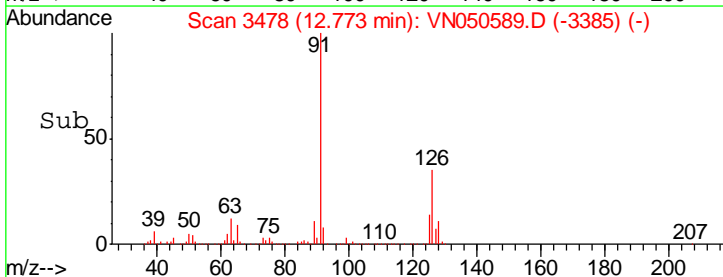
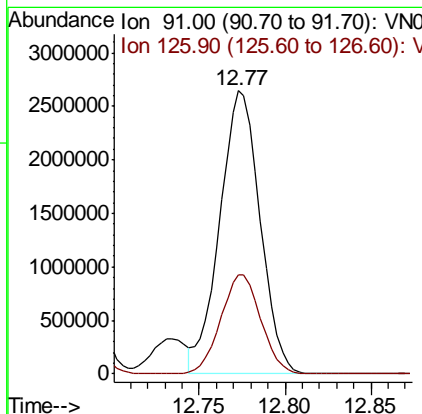
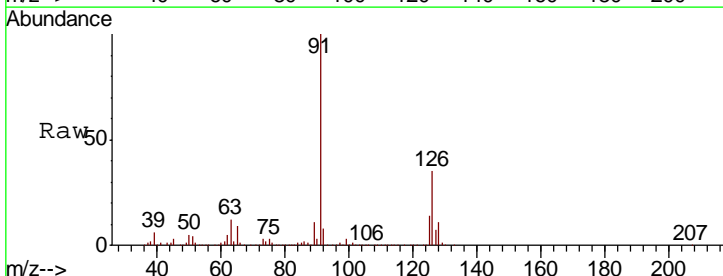
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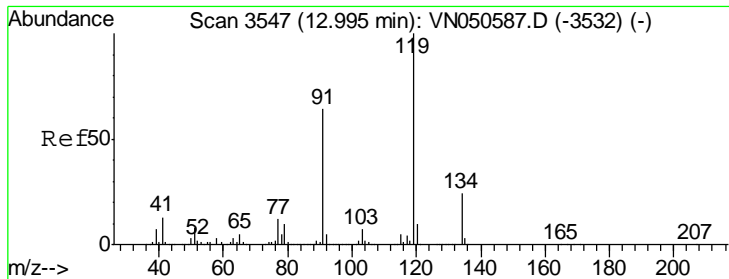
MMDadoda
 8/15/2018 3:21:47 PM



#82
 4-Chlorotoluene
 Concen: 151.93 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.8	17.3	52.0





#83
 tert-Butylbenzene
 Concen: 152.82 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

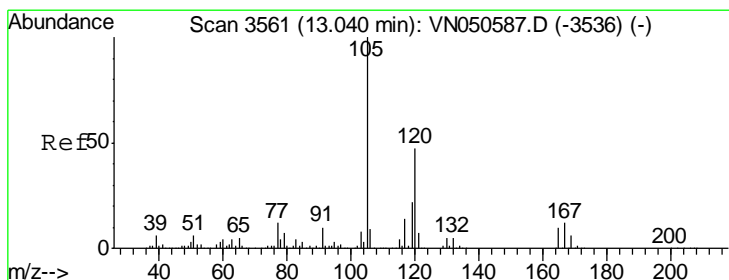
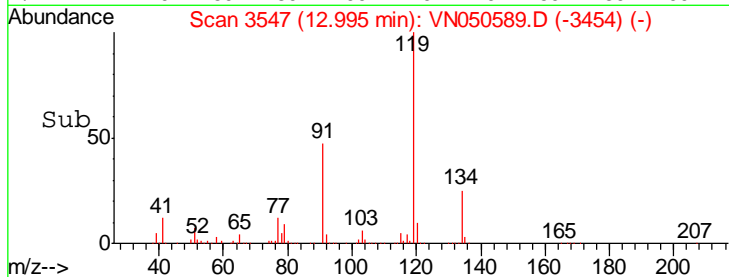
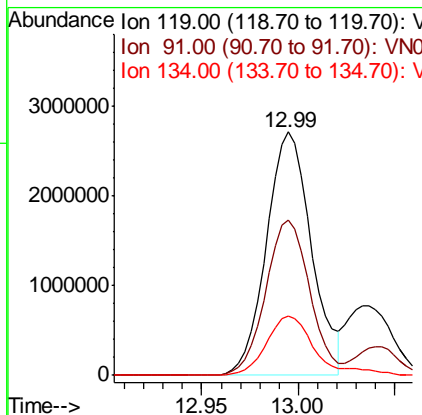
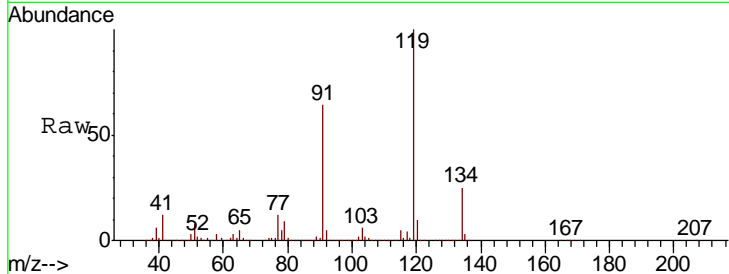
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 119 Resp: 4398681

Ion	Ratio	Lower	Upper
119	100		
91	62.7	32.2	96.6
134	26.2	13.4	40.2

Manual Integrations
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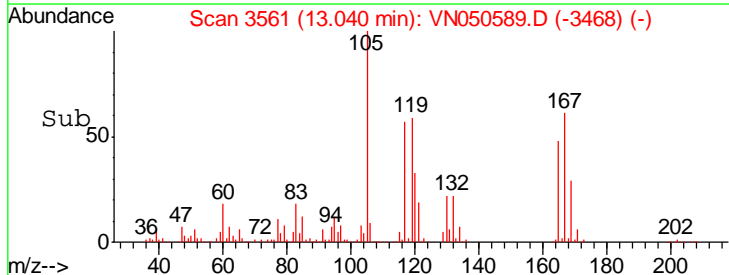
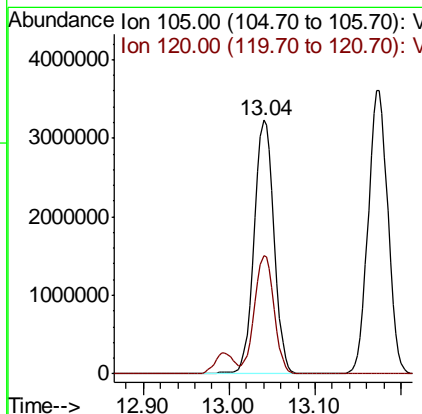
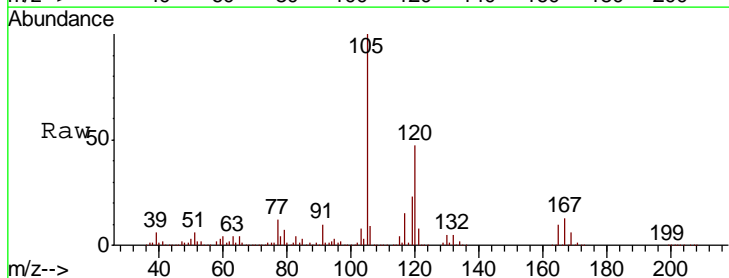
MMDadoda
 8/15/2018 3:21:47 PM

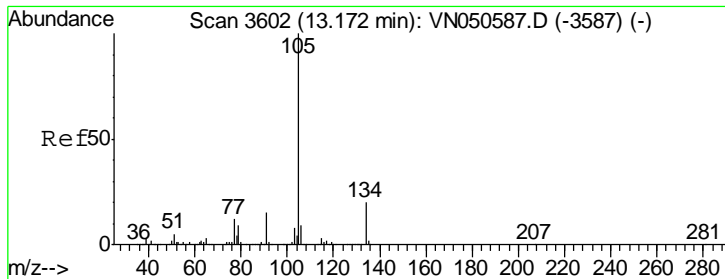


#84
 1,2,4-Trimethylbenzene
 Concen: 155.06 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion: 105 Resp: 5193348

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.5





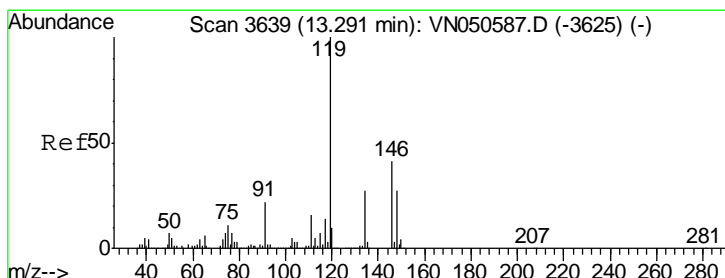
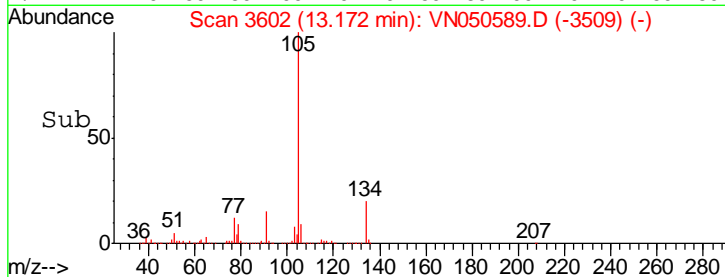
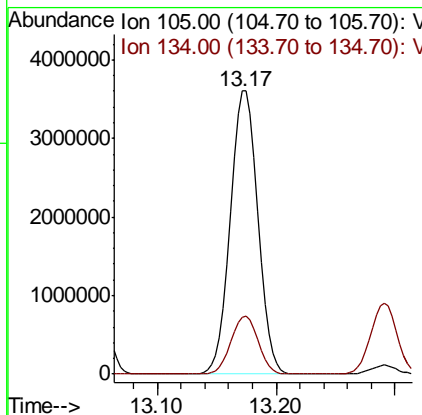
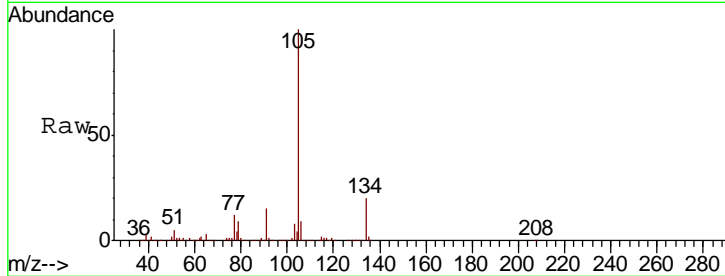
#85
 sec-Butylbenzene
 Concen: 150.48 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
105	5785147		
134	20.4	10.1	30.3

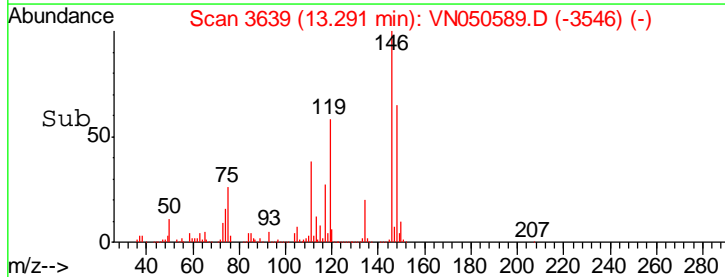
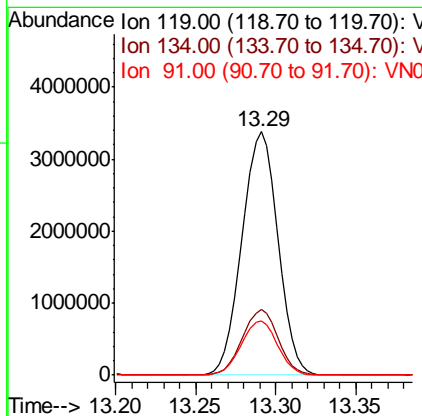
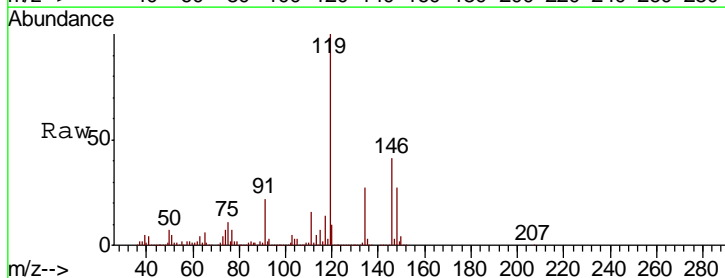
Manual Integrations
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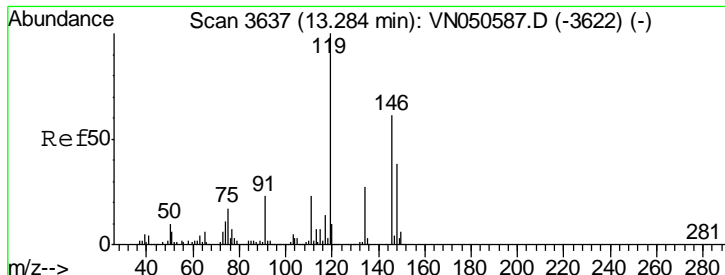
MMDadoda
 8/15/2018 3:21:47 PM



#86
 p-Isopropyltoluene
 Concen: 157.18 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
119	5170819		
134	26.9	13.5	40.4
91	22.3	11.2	33.6





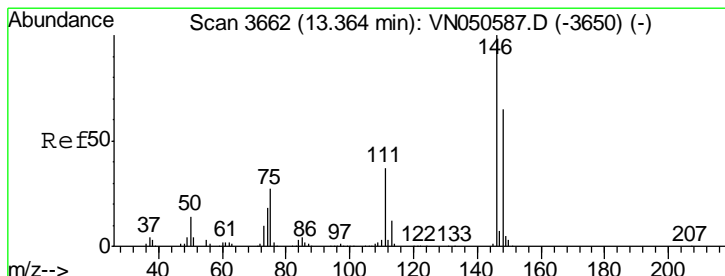
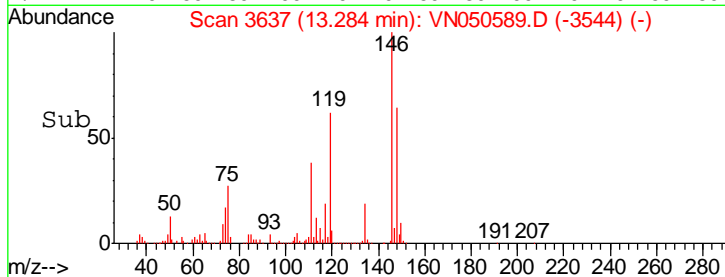
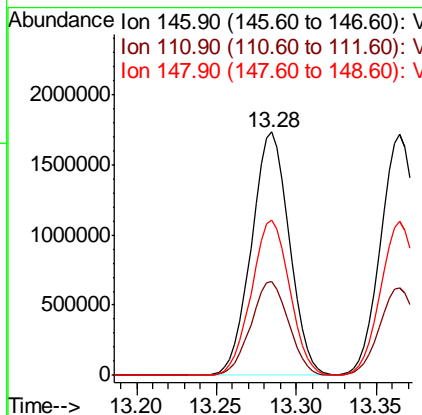
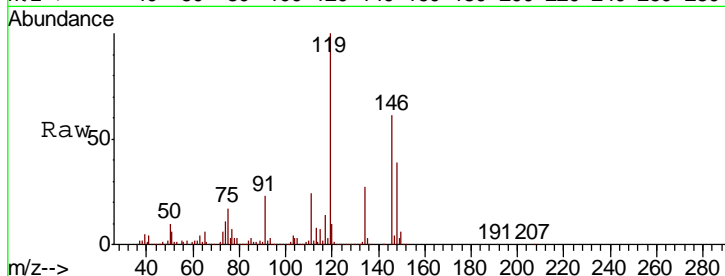
#87
 1,3-Dichlorobenzene
 Concen: 145.96 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
146	2829180		
146	100		
111	38.5	19.2	57.6
148	64.2	31.9	95.7

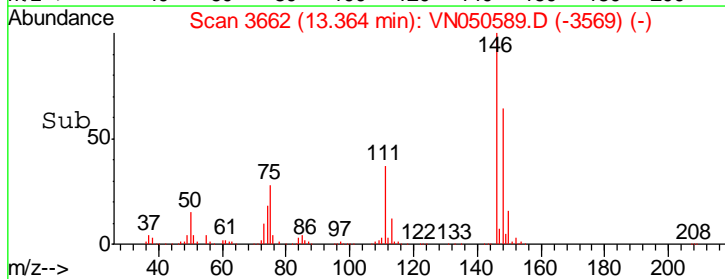
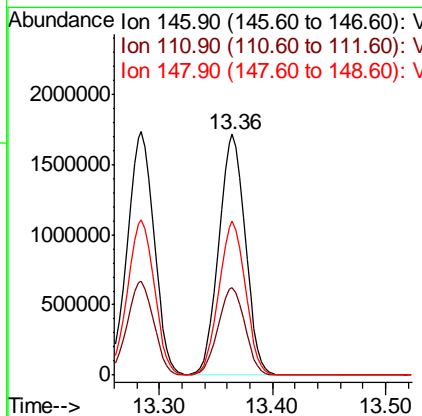
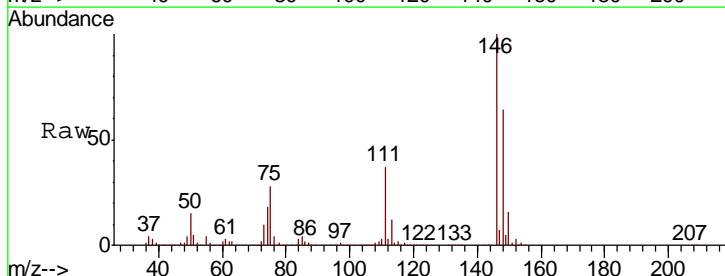
Manual Integrations
 APPROVED

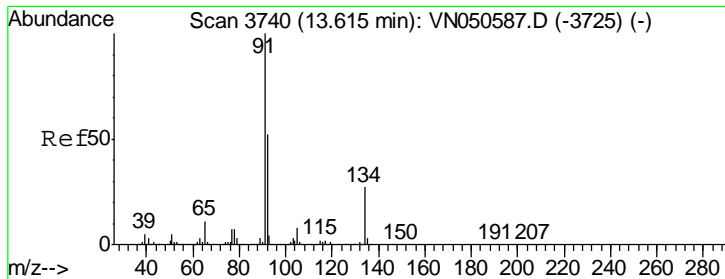
MMDadoda
 8/15/2018 3:21:47 PM



#88
 1,4-Dichlorobenzene
 Concen: 144.05 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
146	2785440		
146	100		
111	36.9	18.8	56.4
148	64.0	32.3	96.8





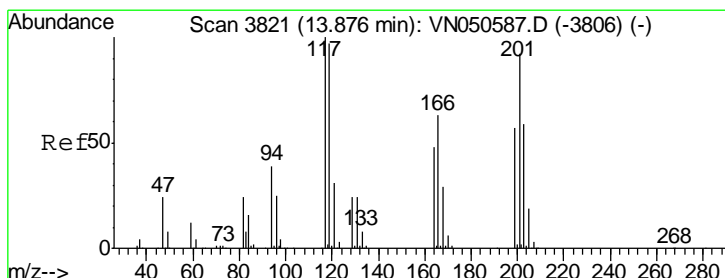
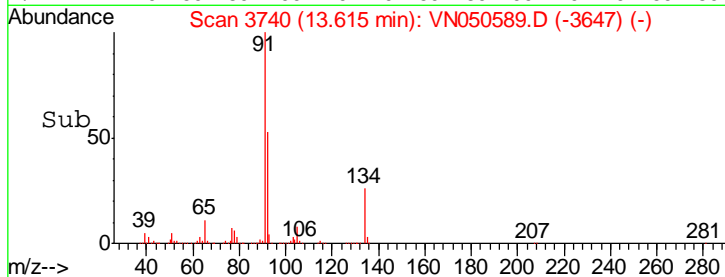
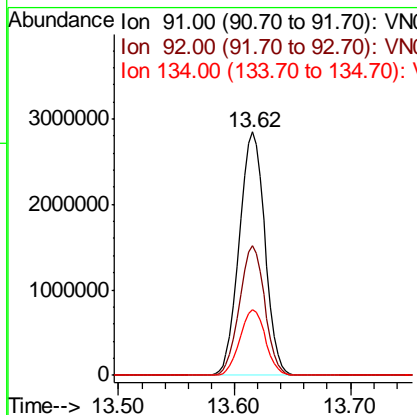
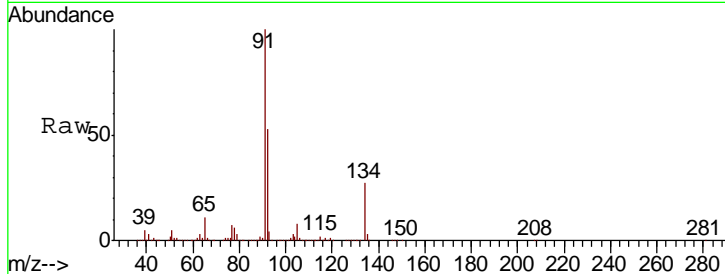
#89
 n-Butylbenzene
 Concen: 156.47 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	26.9	13.3	39.9

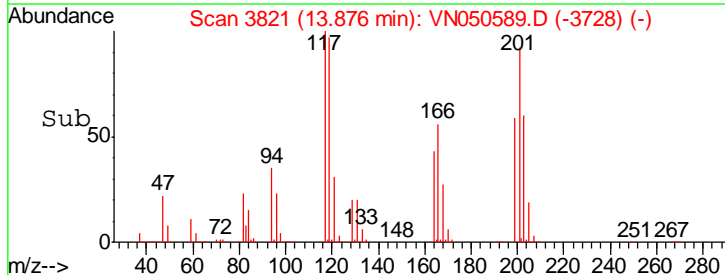
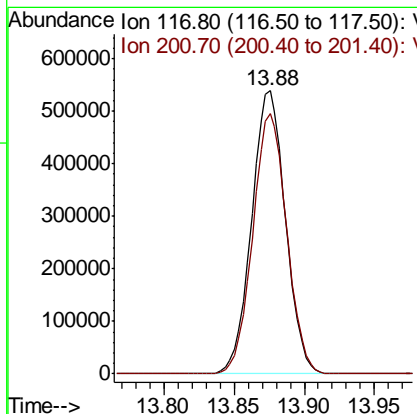
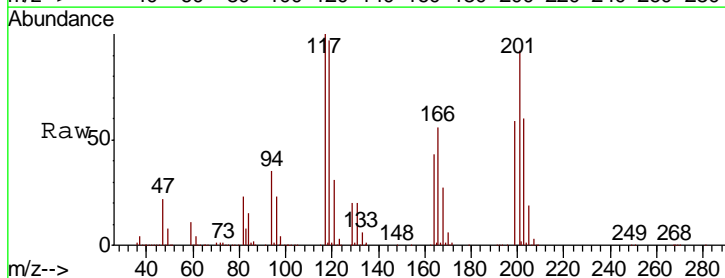
Manual Integrations
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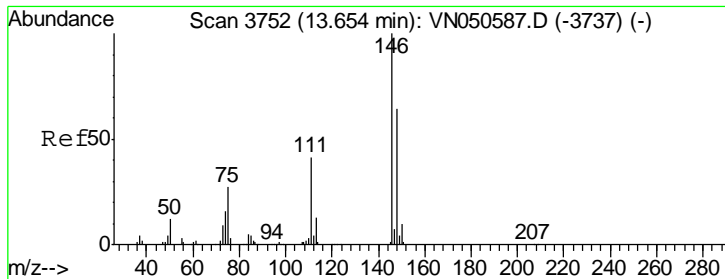
MMDadoda
 8/15/2018 3:21:47 PM



#90
 Hexachloroethane
 Concen: 153.21 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
117	100		
201	92.2	45.5	136.5





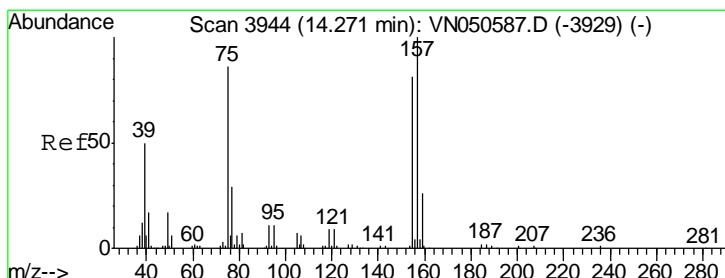
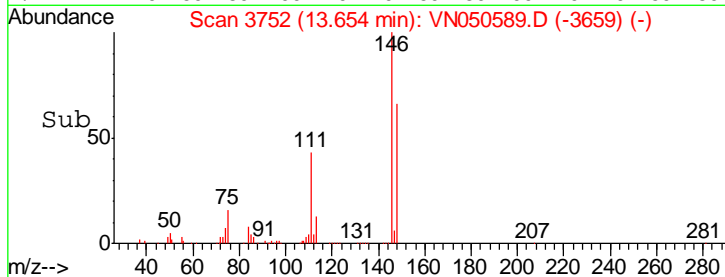
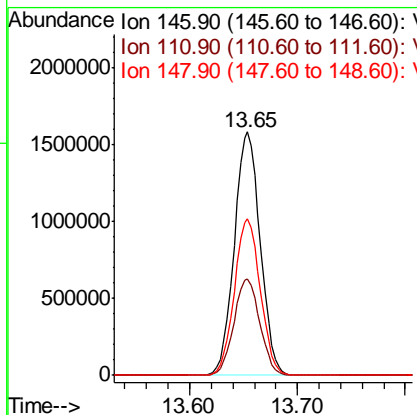
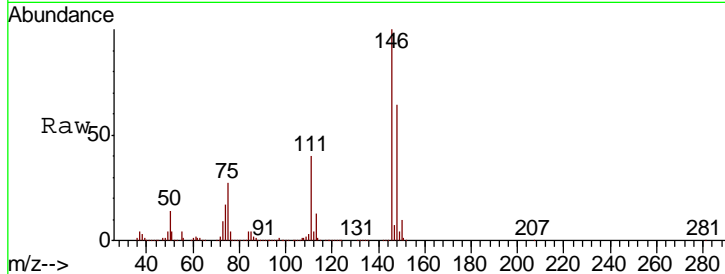
#91
 1,2-Dichlorobenzene
 Concen: 136.71 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.3	32.3	96.8

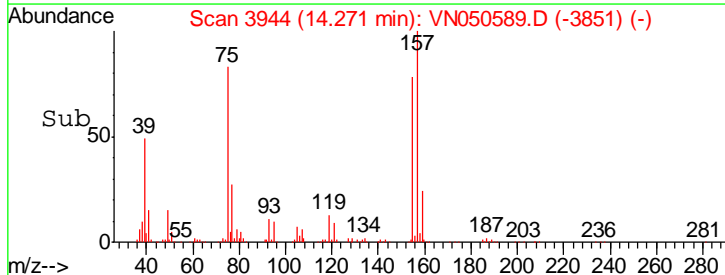
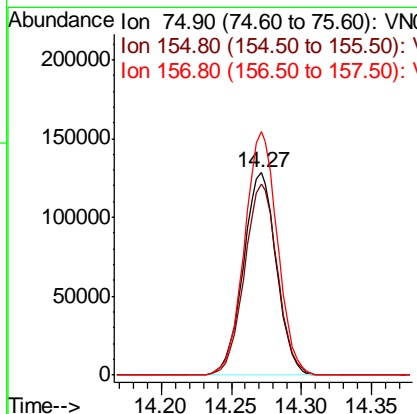
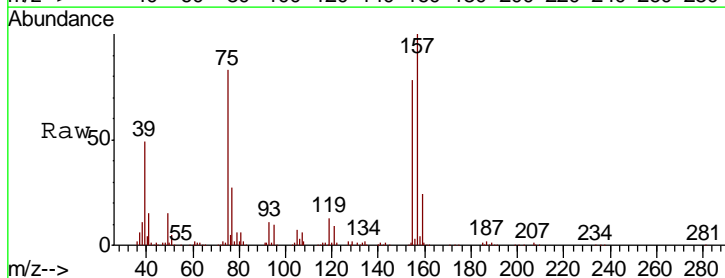
Manual Integrations
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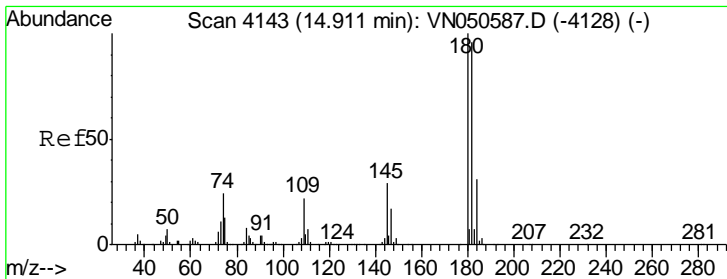
MMDadoda
 8/15/2018 3:21:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 109.33 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
75	100		
155	94.4	46.6	139.8
157	120.2	58.1	174.2





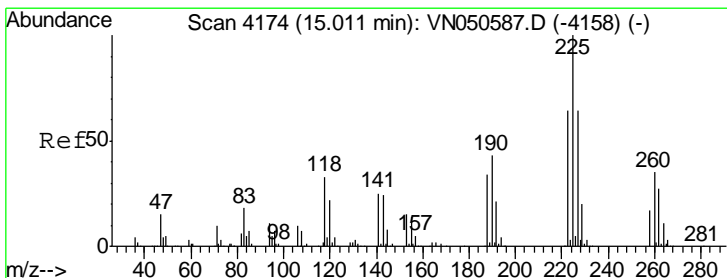
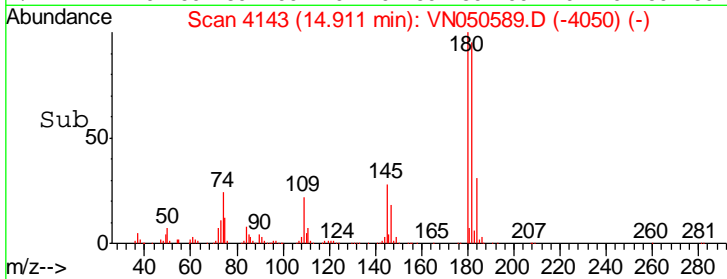
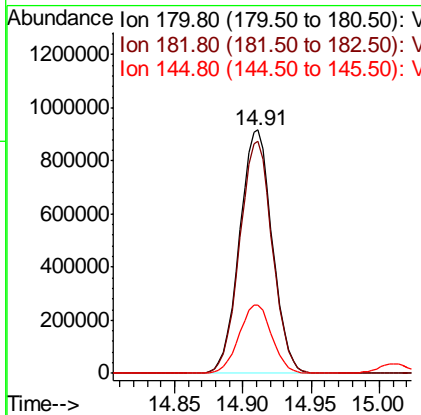
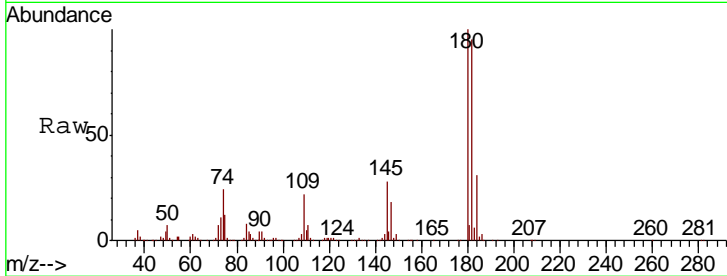
#93
 1,2,4-Trichlorobenzene
 Concen: 156.68 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 ClientSampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	28.3	14.4	43.4

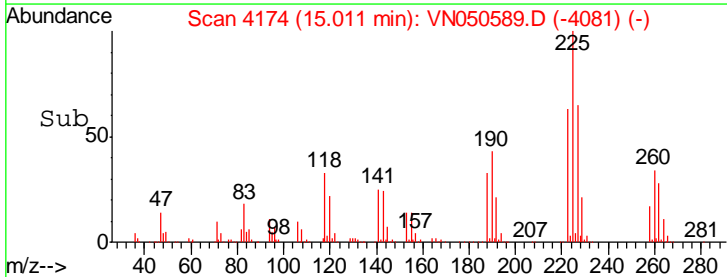
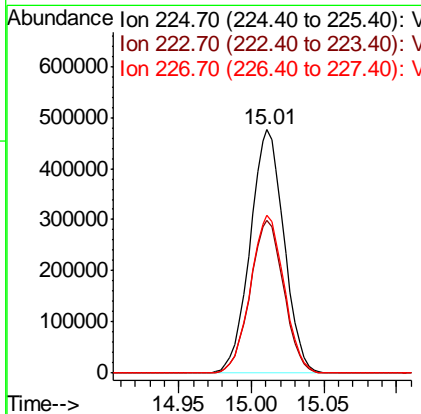
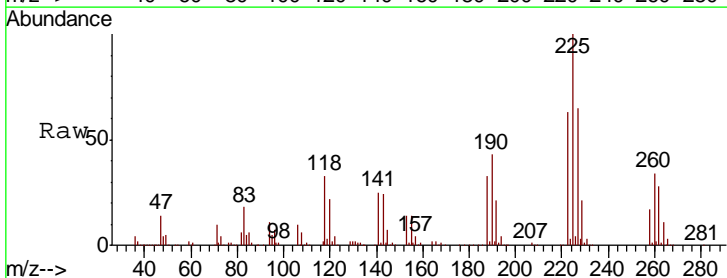
Manual Integrations
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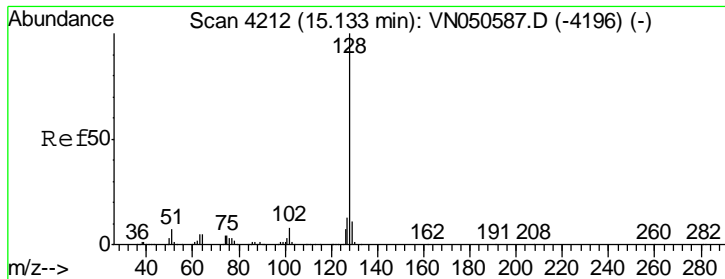
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#94
 Hexachlorobutadiene
 Concen: 109.07 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.3	32.1	96.3
227	64.5	32.0	96.2





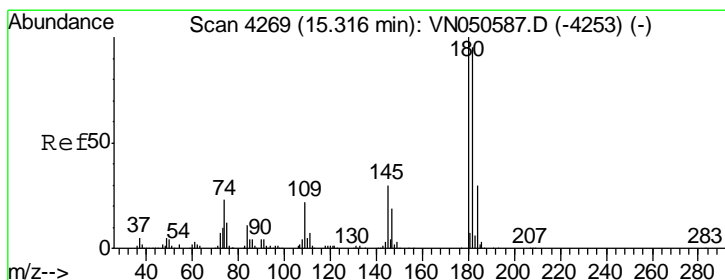
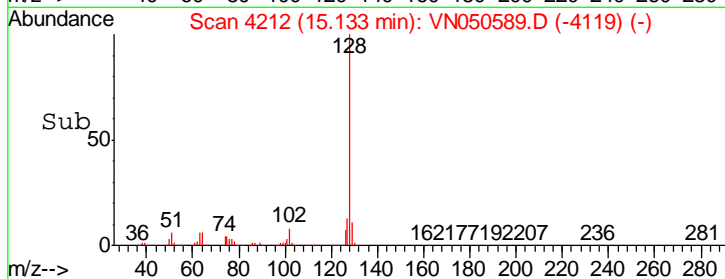
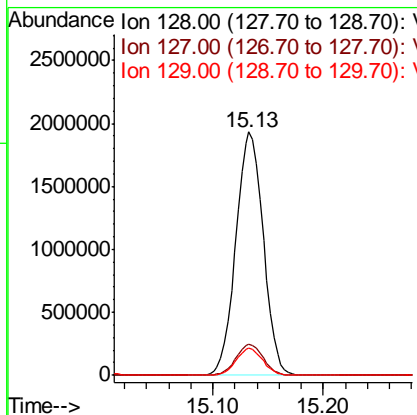
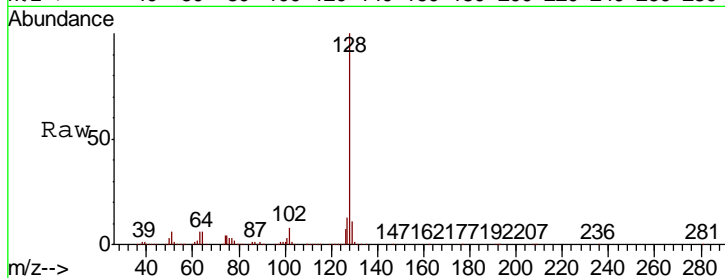
#95
 Naphthalene
 Concen: 151.07 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Instrument : MSVOA_N
 Client Sampled : VSTDIC150

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.5	12.7

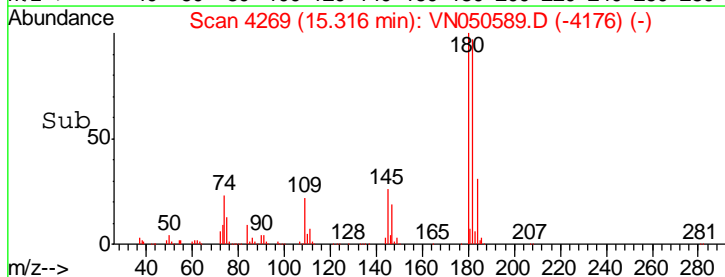
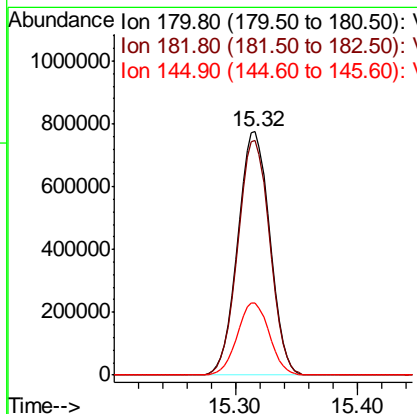
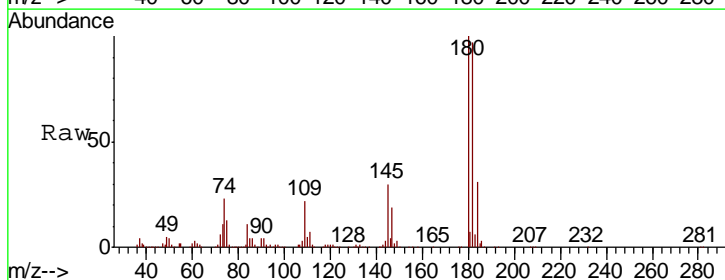
Manual Integrations
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MMDadoda
 8/15/2018 3:21:47 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 142.94 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN050589.D
 Acq: 14 Aug 2018 1:49

Tgt Ion	Resp	Lower	Upper
180	100		
182	96.3	47.3	141.8
145	29.7	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:52 PM

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	702148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1035623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	946954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	494601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	437998	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.59	113	413918	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	10.09	98	1589199	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.40	95	538560	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	373936	47.24	ug/l	98
3) Chloromethane	2.06	50	504366	52.31	ug/l	99
4) Vinyl Chloride	2.18	62	493145	46.90	ug/l	99
5) Bromomethane	2.56	94	285272	50.50	ug/l	99
6) Chloroethane	2.70	64	293324	50.20	ug/l	99
7) Trichlorofluoromethane	3.01	101	638151	46.25	ug/l	99
8) Diethyl Ether	3.41	74	224668	48.95	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	388708	46.59	ug/l	100
10) Methyl Iodide	3.95	142	328274	54.60	ug/l	98
11) Tert butyl alcohol	4.79	59	125011	258.68	ug/l	99
12) 1,1-Dichloroethene	3.73	96	371844	48.81	ug/l	99
13) Acrolein	3.61	56	45060	244.51	ug/l	96
14) Allyl chloride	4.32	41	578719	48.83	ug/l	99
15) Acrylonitrile	4.99	53	658680	248.16	ug/l	99
16) Acetone	3.82	43	553246	250.35	ug/l	99
17) Carbon Disulfide	4.05	76	1176420	49.07	ug/l	100
18) Methyl Acetate	4.33	43	308243	49.58	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1002064	51.68	ug/l	100
20) Methylene Chloride	4.55	84	426359	50.70	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	403053	48.80	ug/l	99
22) Diisopropyl ether	5.96	45	1249114	51.41	ug/l	99
23) Vinyl Acetate	5.90	43	4176633	262.78	ug/l	99
24) 1,1-Dichloroethane	5.85	63	739868	47.06	ug/l	99
25) 2-Butanone	6.84	43	894288	246.44	ug/l	100
26) 2,2-Dichloropropane	6.83	77	469932	44.66	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	451069	49.04	ug/l	100
28) Bromochloromethane	7.20	49	344527	48.15	ug/l	100
29) Tetrahydrofuran	7.21	42	484310	255.61	ug/l	100
30) Chloroform	7.37	83	742711	46.62	ug/l	99
31) Cyclohexane	7.65	56	673218	50.18	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	633675	47.25	ug/l	99
36) 1,1-Dichloropropene	7.79	75	579428	50.26	ug/l	100
37) Ethyl Acetate	6.93	43	335251	51.45	ug/l	99
38) Carbon Tetrachloride	7.78	117	569529	47.62	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 ICVVN081418

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:52 PM

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	627297	52.56	ug/l	100
40) Benzene	8.04	78	1730518	49.34	ug/l	99
41) Methacrylonitrile	7.18	41	186821	53.03	ug/l	97
42) 1,2-Dichloroethane	8.13	62	520078	48.38	ug/l	100
43) Isopropyl Acetate	8.17	43	591132	49.78	ug/l #	86
44) Trichloroethene	8.84	130	456509	48.59	ug/l	100
45) 1,2-Dichloropropane	9.12	63	452362	48.45	ug/l	100
46) Dibromomethane	9.21	93	264003	47.89	ug/l	97
47) Bromodichloromethane	9.40	83	565049	47.95	ug/l	100
48) Methyl methacrylate	9.20	41	295266	49.41	ug/l	99
49) 1,4-Dioxane	9.20	88	79565	1010.71	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2050752	255.33	ug/l	99
52) Toluene	10.16	92	1071866	51.19	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	565614	51.53	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	651132	51.71	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	378523	48.39	ug/l	99
56) Ethyl methacrylate	10.43	69	482801	48.44	ug/l	99
57) 1,3-Dichloropropane	10.71	76	636170	49.60	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1157623	242.50	ug/l	100
59) 2-Hexanone	10.75	43	1355784	261.54	ug/l	99
60) Dibromochloromethane	10.90	129	435527	50.44	ug/l	99
61) 1,2-Dibromoethane	11.01	107	378743	50.84	ug/l	100
64) Tetrachloroethene	10.63	164	420402	47.80	ug/l	98
65) Chlorobenzene	11.44	112	1178712	50.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	431324	48.82	ug/l	99
67) Ethyl Benzene	11.51	91	2025829	53.24	ug/l	100
68) m/p-Xylenes	11.62	106	1560505	107.22	ug/l	100
69) o-Xylene	11.95	106	749157	53.98	ug/l	100
70) Styrene	11.96	104	1240103	50.24	ug/l	99
71) Bromoform	12.13	173	298040	50.88	ug/l #	99
73) Isopropylbenzene	12.25	105	1988649	51.46	ug/l	100
74) N-amyl acetate	12.07	43	519294	51.65	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	463732	51.77	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	410980m	51.46	ug/l	
77) Bromobenzene	12.53	156	507821	48.40	ug/l	99
78) n-propylbenzene	12.59	91	2258868	52.42	ug/l	99
79) 2-Chlorotoluene	12.68	91	1348415	50.19	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1617221	52.27	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	111316	50.04	ug/l	98
82) 4-Chlorotoluene	12.77	91	1373986	51.75	ug/l	99
83) tert-Butylbenzene	12.99	119	1396484	52.00	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1660794	53.48	ug/l	100
85) sec-Butylbenzene	13.17	105	1837115	52.34	ug/l	99
86) p-Isopropyltoluene	13.29	119	1612075	54.21	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	892654	49.98	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	871943	49.19	ug/l	99
89) n-Butylbenzene	13.62	91	1289745	53.71	ug/l	99
90) Hexachloroethane	13.88	117	284856	47.63	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	849220	48.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66936	48.55	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Manual Integrations
 APPROVED

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 8/15/2018 3:21:52 PM

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	451997	50.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	260811	48.82	ug/l	99
95) Naphthalene	15.13	128	974862	51.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	431257	51.56	ug/l	99

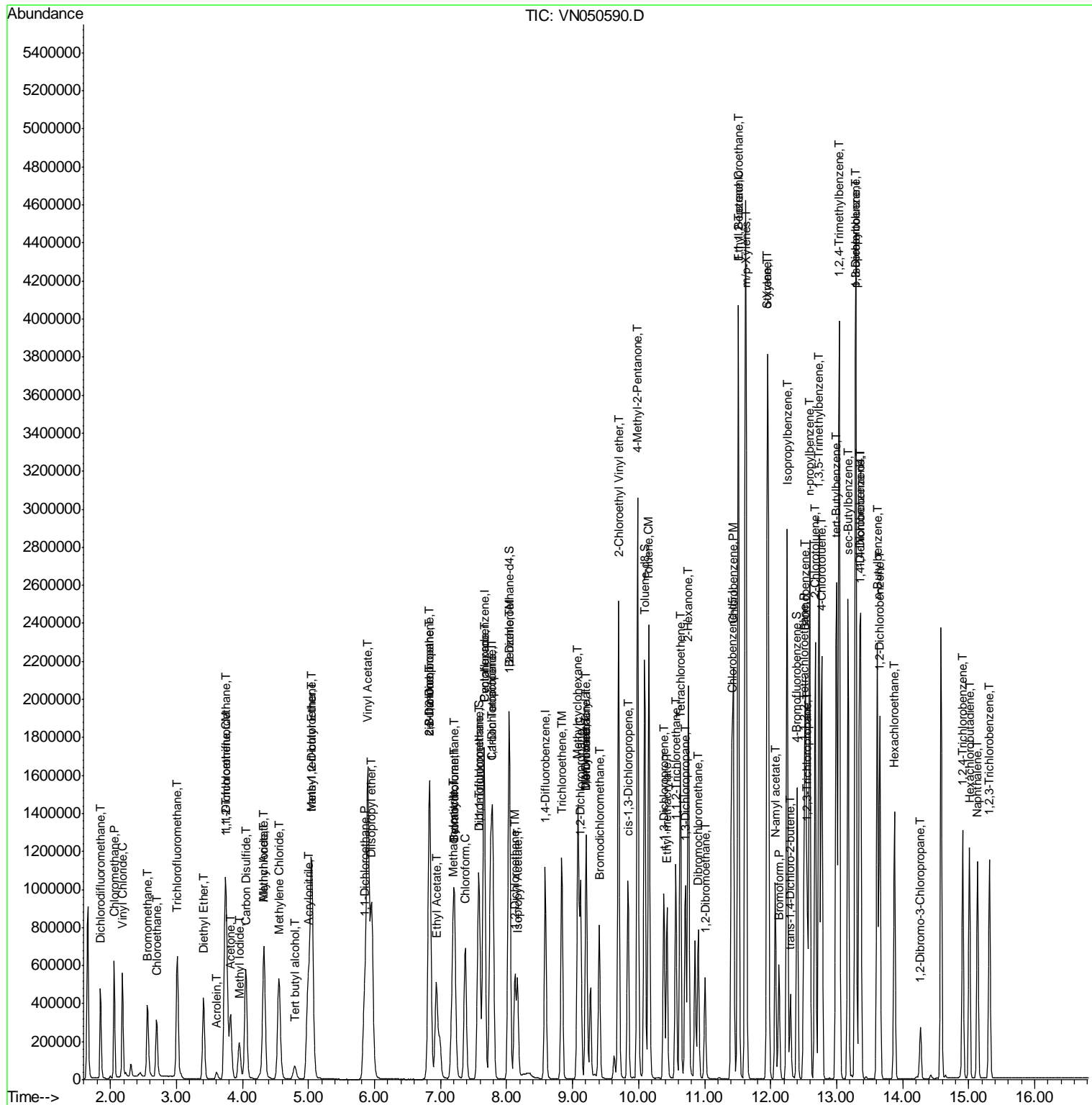
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050590.D
Acq On : 14 Aug 2018 2:13
Operator : MD\SY
Sample : VSTDICV050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 39 Sample Multiplier: 1

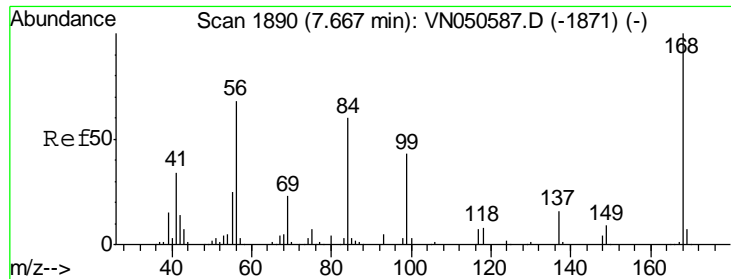
Instrument : MSVOA_N
Client Sampled : ICVVN081418

Manual Integrations APPROVED
MMDadoda
8/15/2018 3:21:52 PM

Quant Time: Aug 14 08:17:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration



- 1
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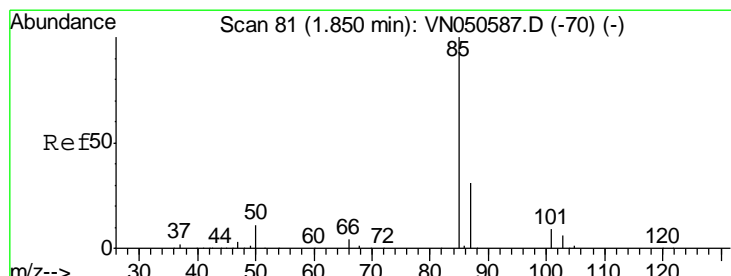
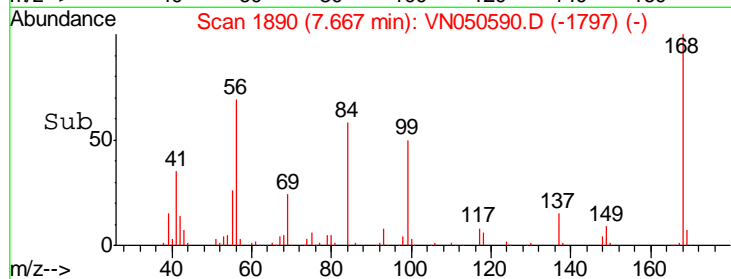
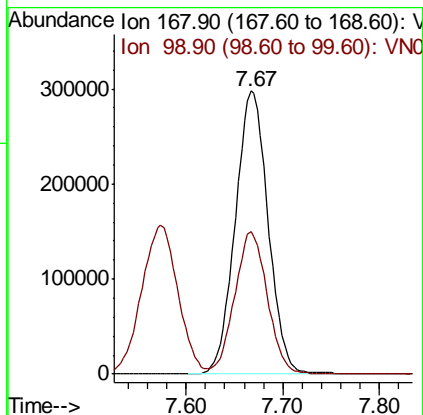
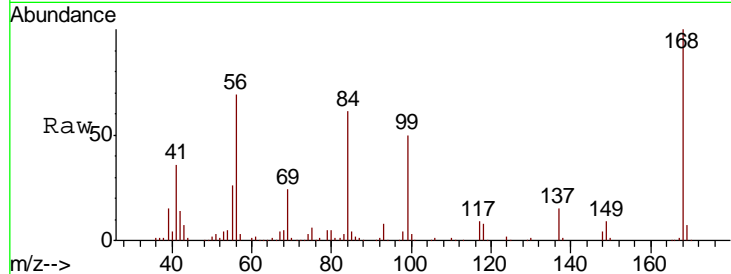
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.2	40.8	61.2

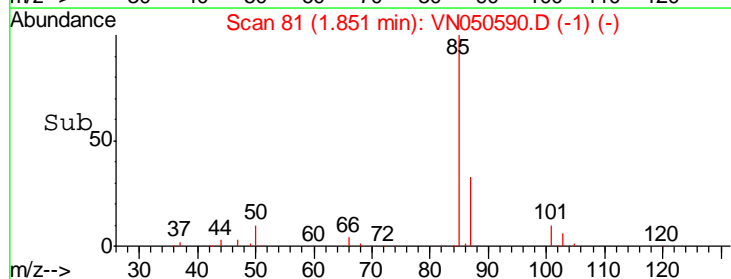
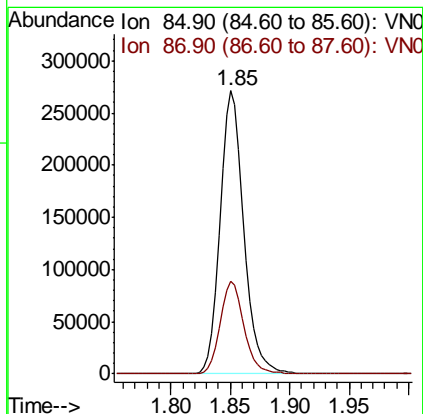
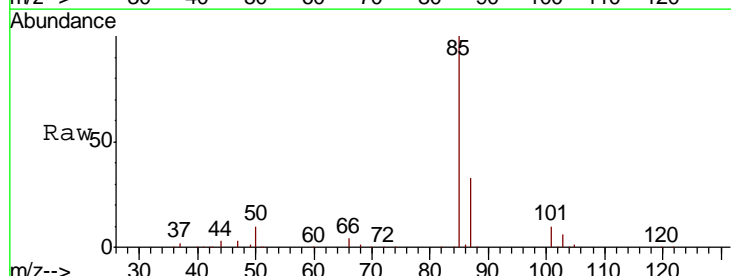
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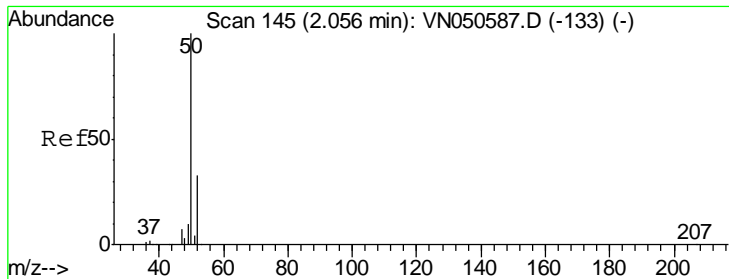
MMDadoda
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#2
 Dichlorodifluoromethane
 Concen: 47.24 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.8	15.8	47.3





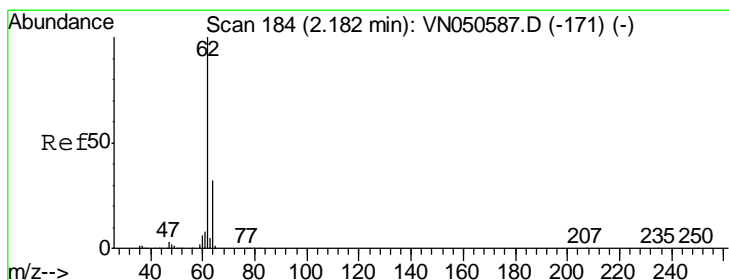
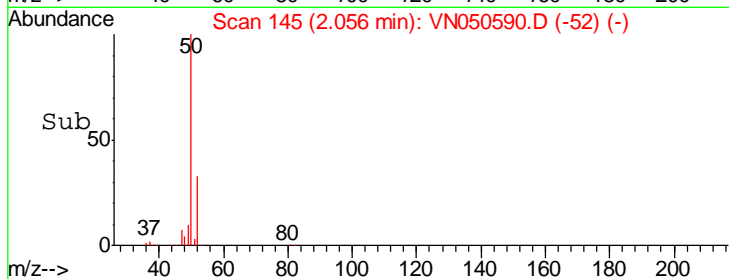
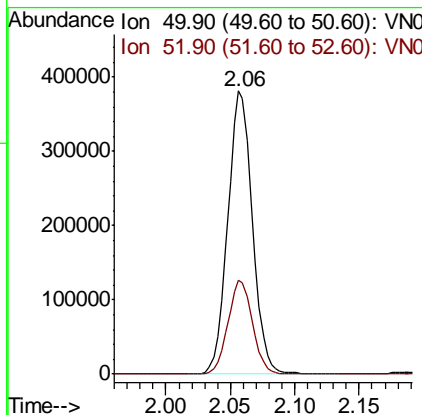
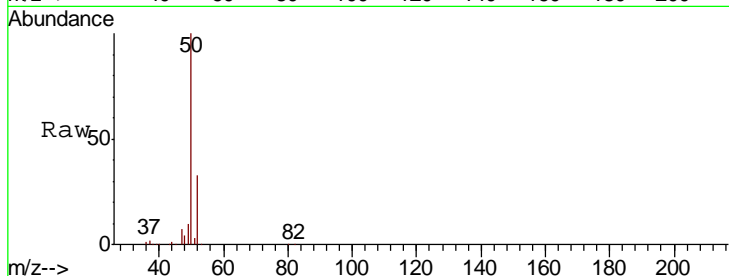
#3
 Chloromethane
 Concen: 52.31 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.1	26.0	39.0

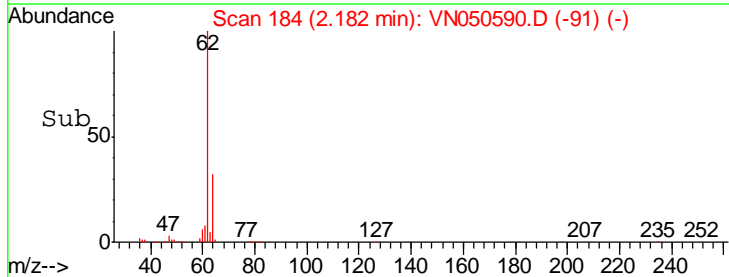
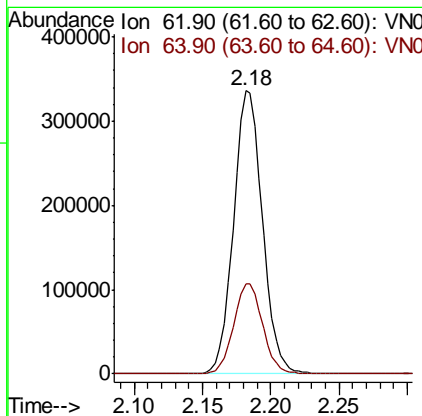
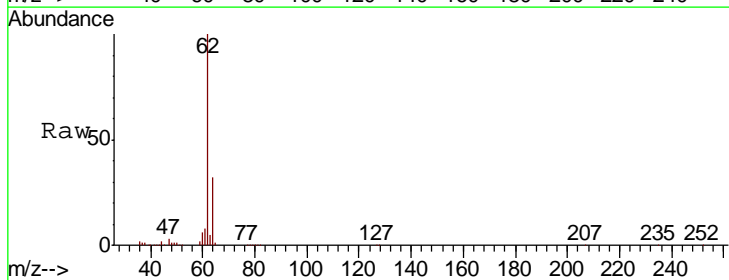
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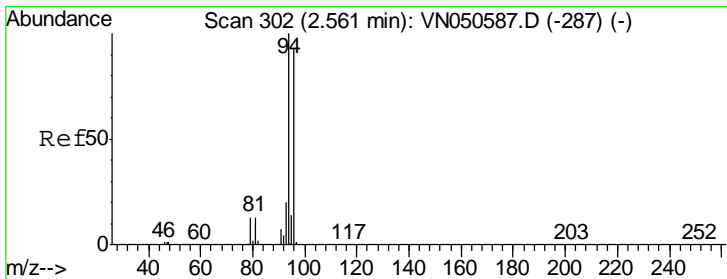
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#4
 Vinyl Chloride
 Concen: 46.90 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
62	100		
64	31.8	25.2	37.8



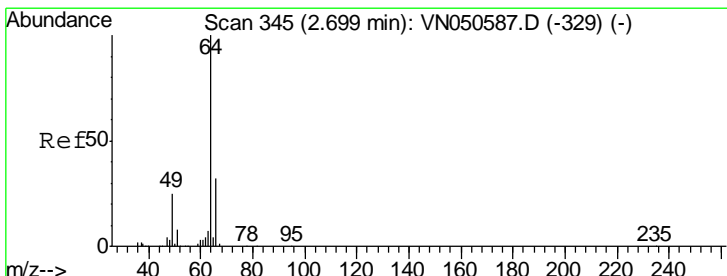
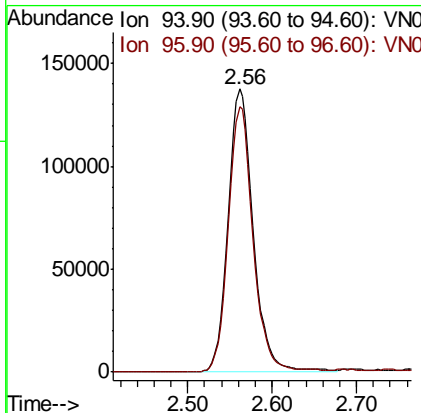
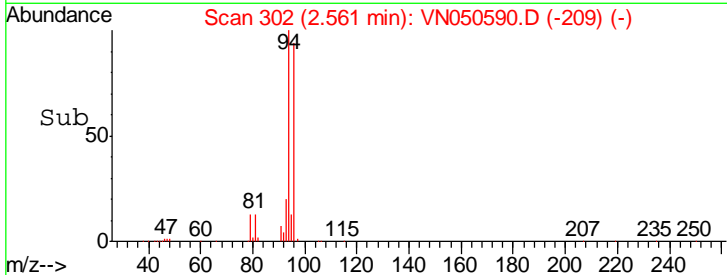
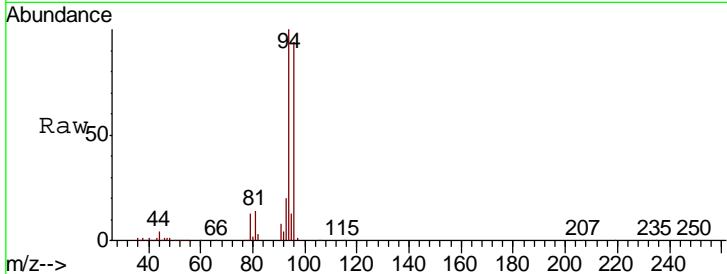


#5
 Bromomethane
 Concen: 50.50 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.8	74.0	111.0

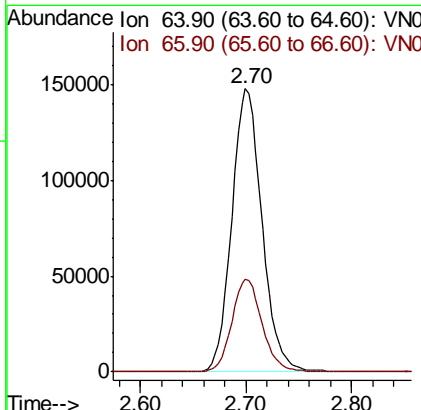
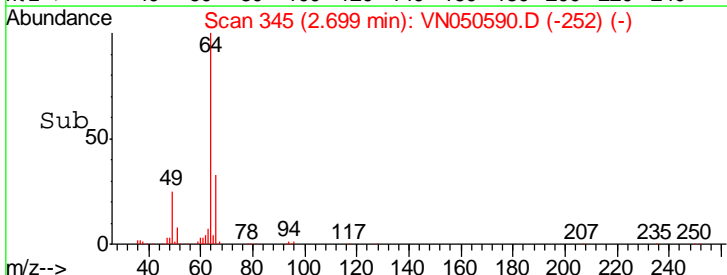
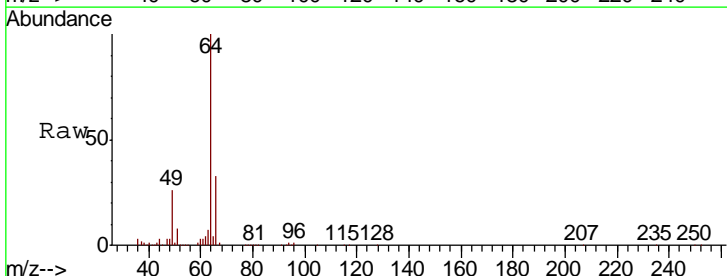
Instrument : MSVOA_N
 ClientSampled : ICVVN081418

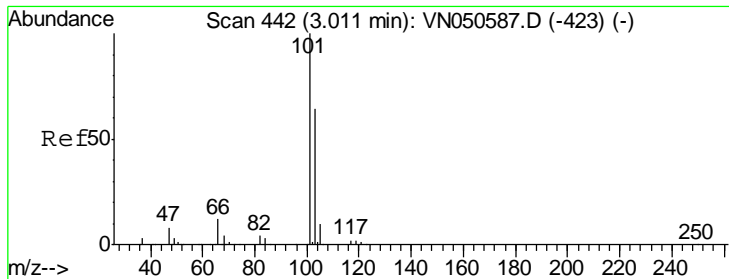
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#6
 Chloroethane
 Concen: 50.20 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.6	25.7	38.5





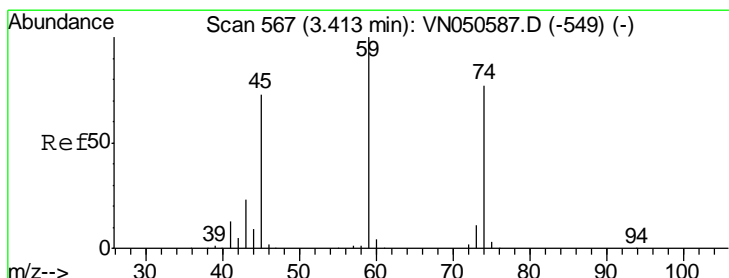
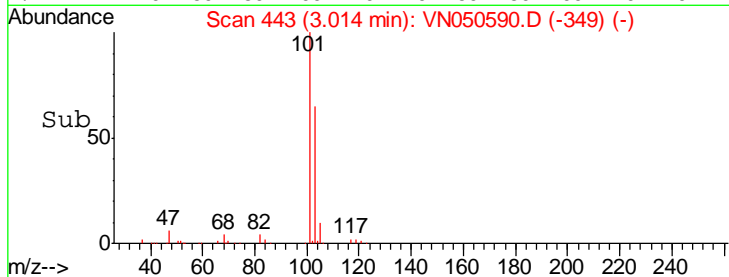
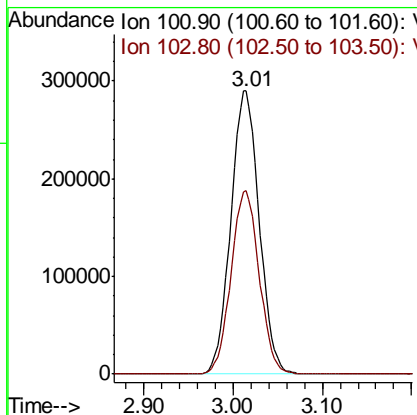
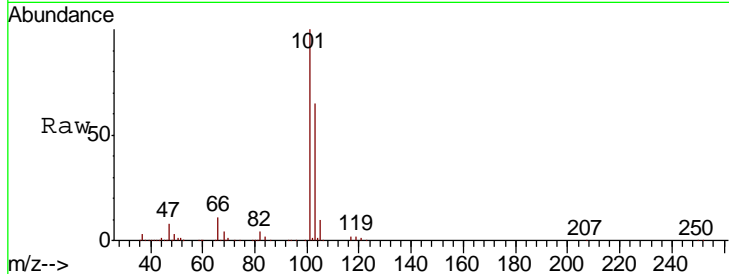
#7
 Trichlorofluoromethane
 Concen: 46.25 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
101	638151		
103	64.8	51.4	77.0

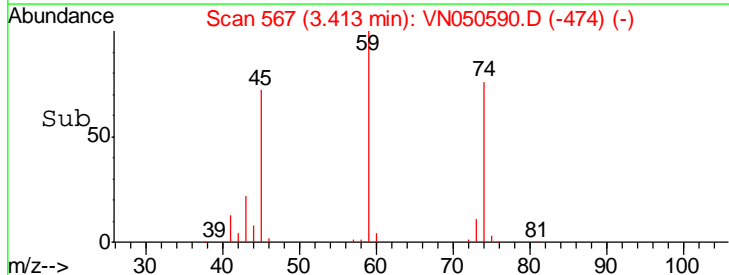
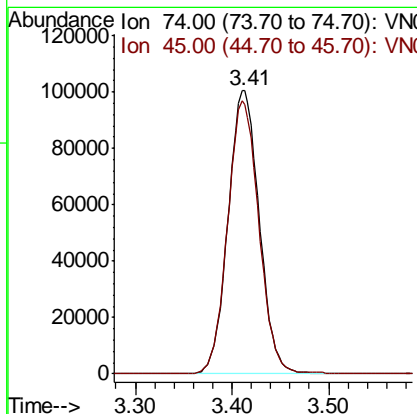
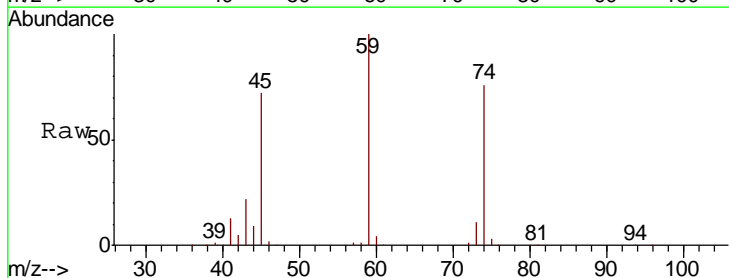
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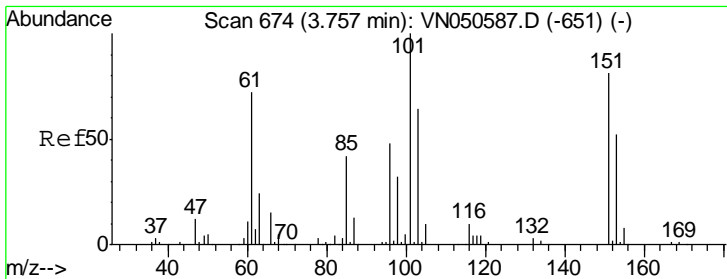
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#8
 Diethyl Ether
 Concen: 48.95 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

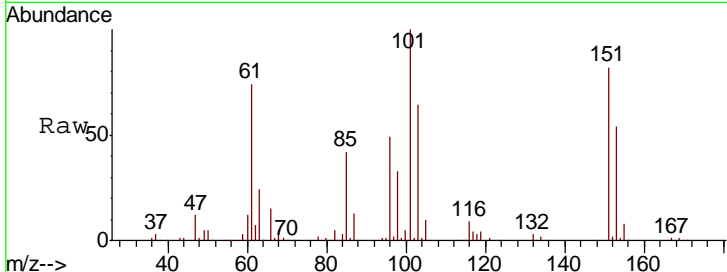
Tgt Ion	Resp	Lower	Upper
74	224668		
45	96.8	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.59 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

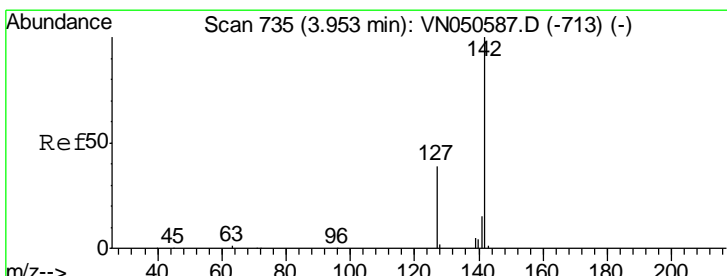
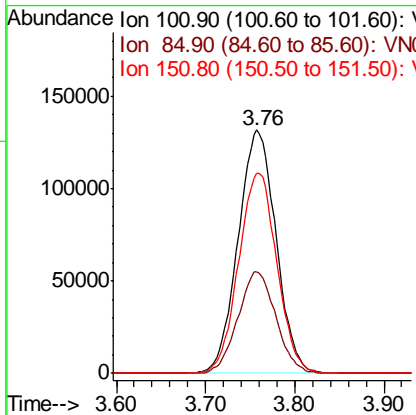
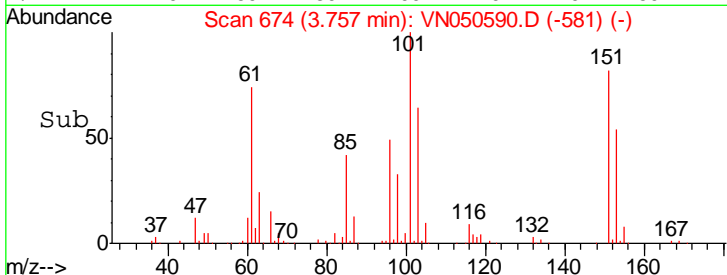


Tgt Ion: 101 Resp: 388708

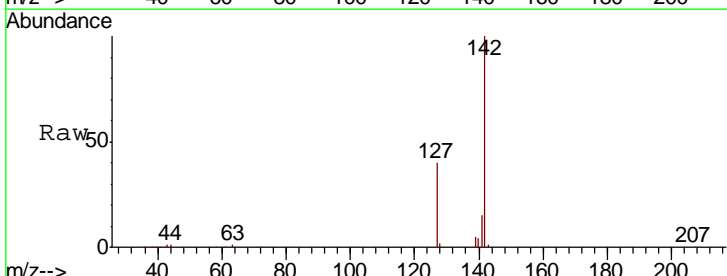
Ion	Ratio	Lower	Upper
101	100		
85	41.8	33.4	50.0
151	83.1	66.6	100.0

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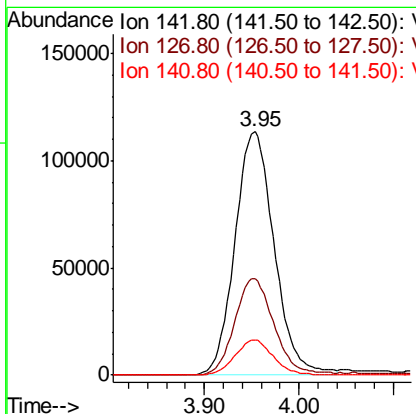
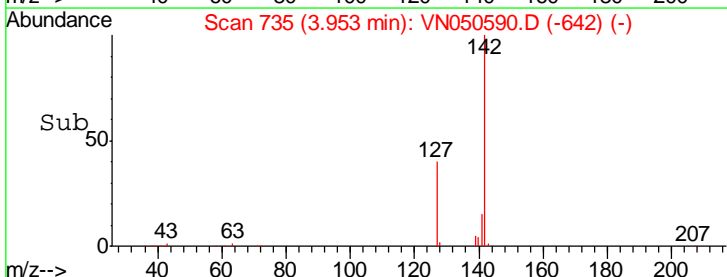


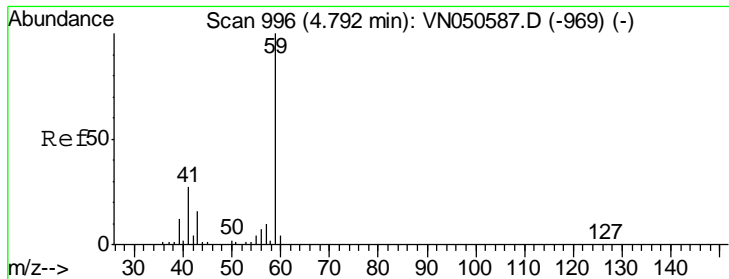
#10
 Methyl Iodide
 Concen: 54.60 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13



Tgt Ion: 142 Resp: 328274

Ion	Ratio	Lower	Upper
142	100		
127	39.6	32.6	49.0
141	14.0	11.5	17.3





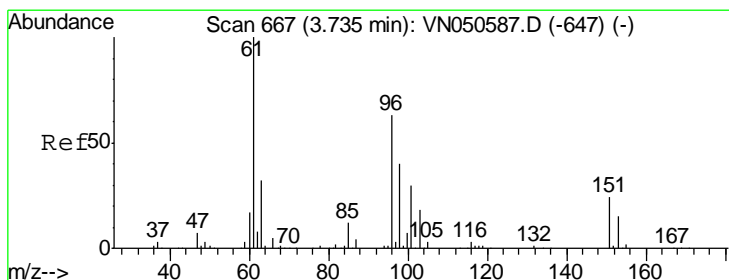
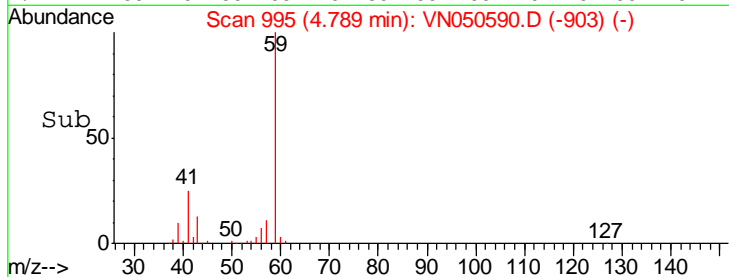
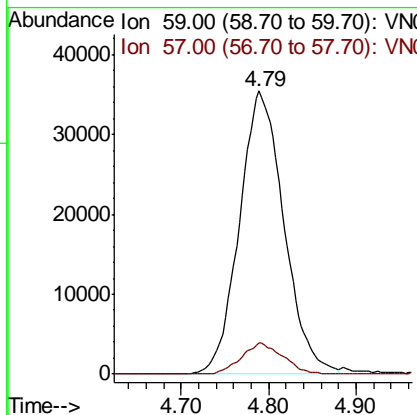
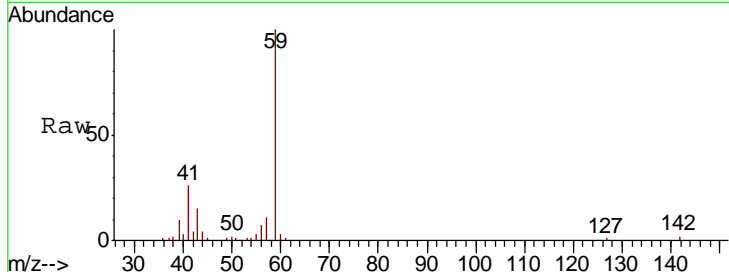
#11
 Tert butyl alcohol
 Concen: 258.68 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
59	125011		
57	10.2	8.4	12.6

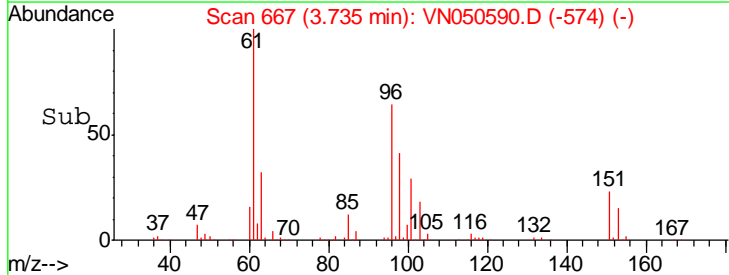
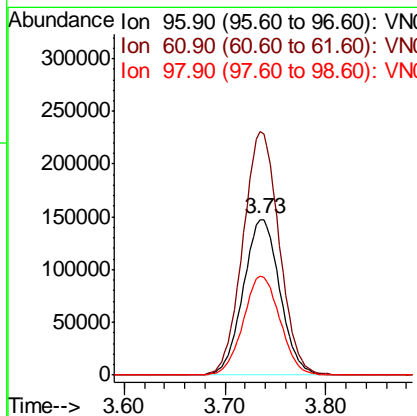
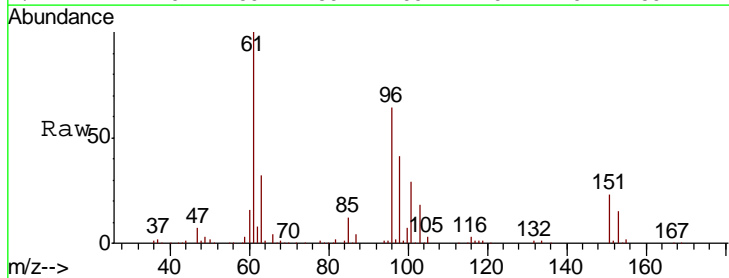
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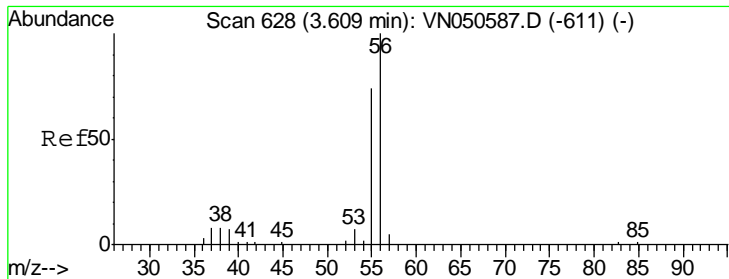
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#12
 1,1-Dichloroethene
 Concen: 48.81 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
96	371844		
61	156.7	126.9	190.3
98	63.9	51.1	76.7





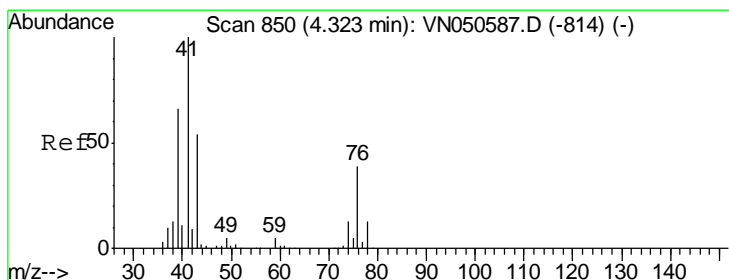
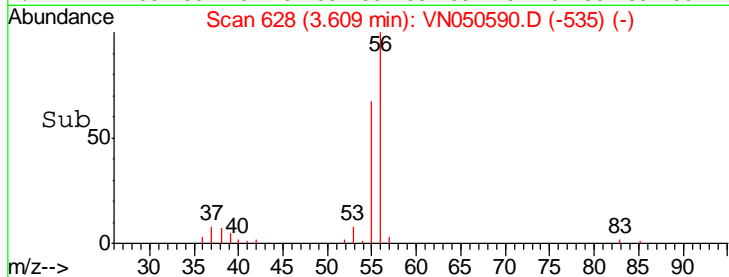
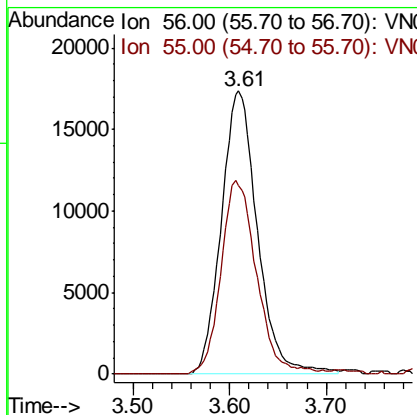
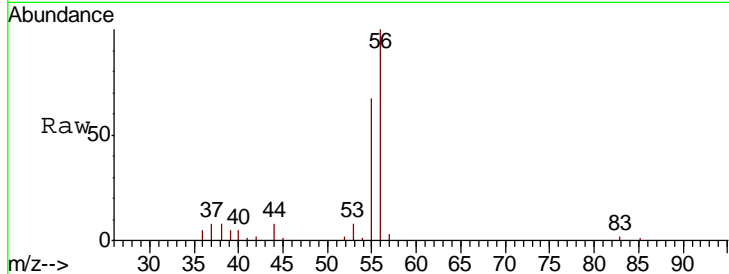
#13
 Acrolein
 Concen: 244.51 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
56	45060		
55	67.4	56.3	84.5

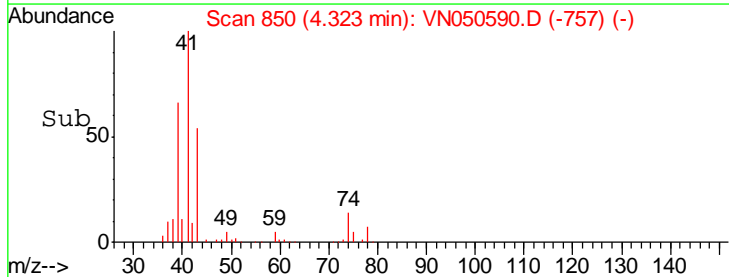
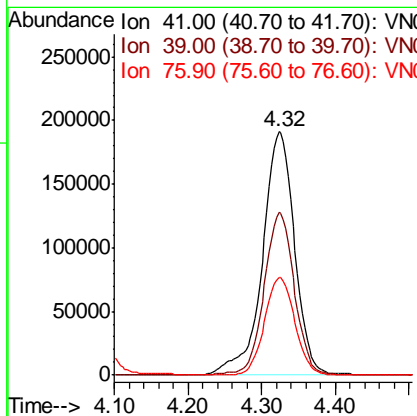
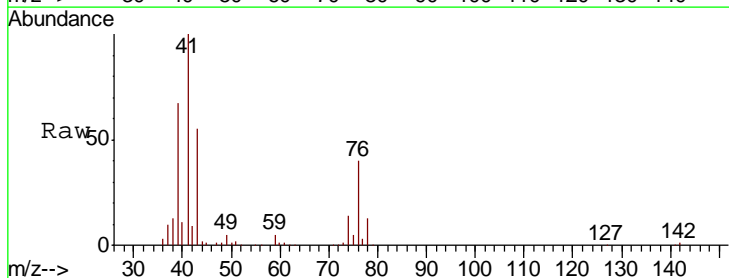
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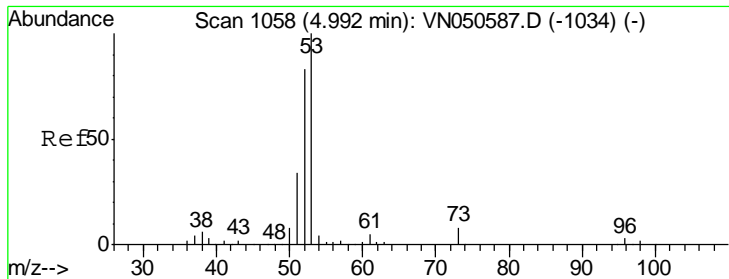
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#14
 Allyl chloride
 Concen: 48.83 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
41	578719		
39	63.2	51.4	77.0
76	37.6	29.4	44.0





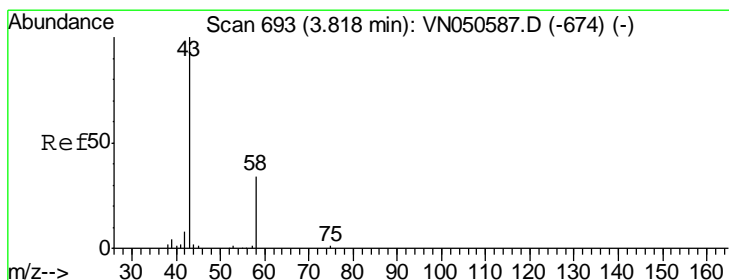
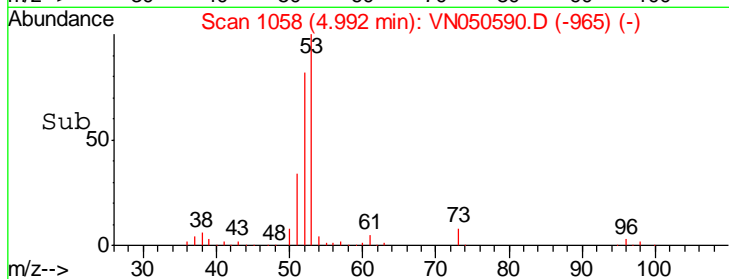
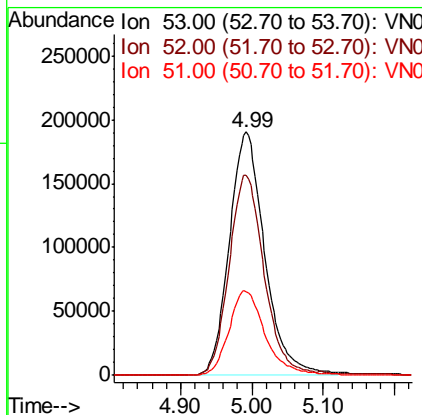
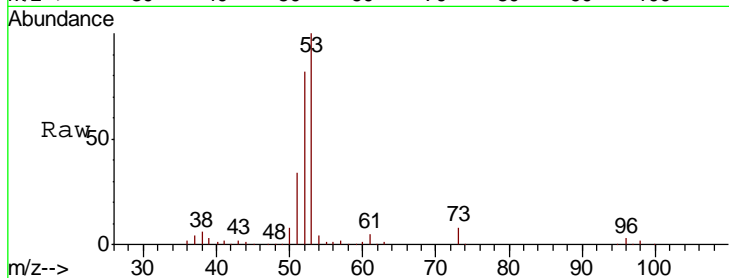
#15
 Acrylonitrile
 Concen: 248.16 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.3	66.2	99.2
51	35.8	28.6	43.0

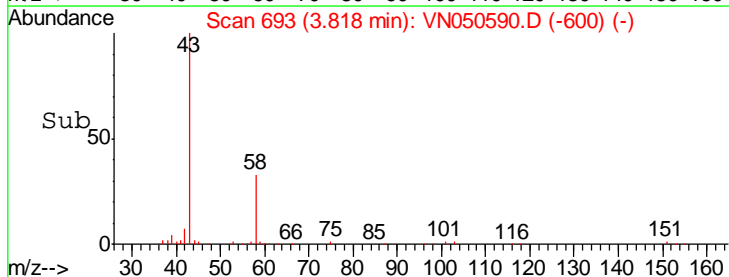
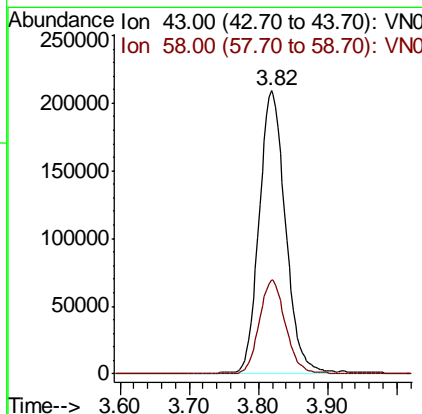
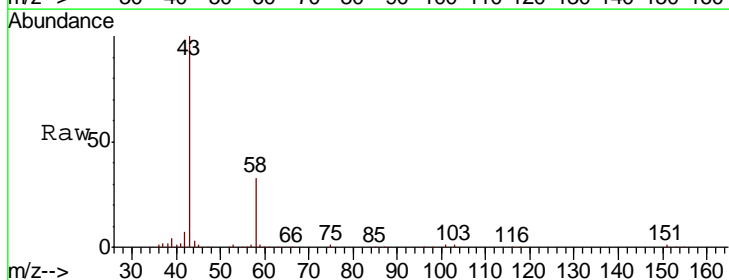
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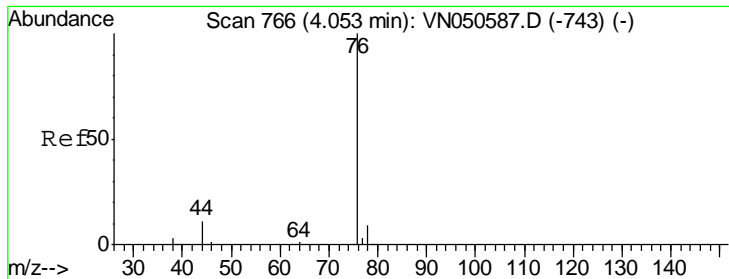
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#16
 Acetone
 Concen: 250.35 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
43	100		
58	33.1	27.1	40.7





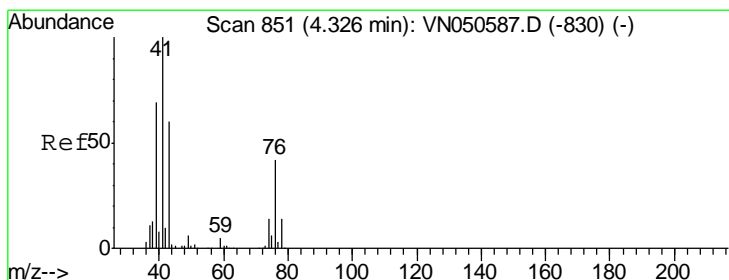
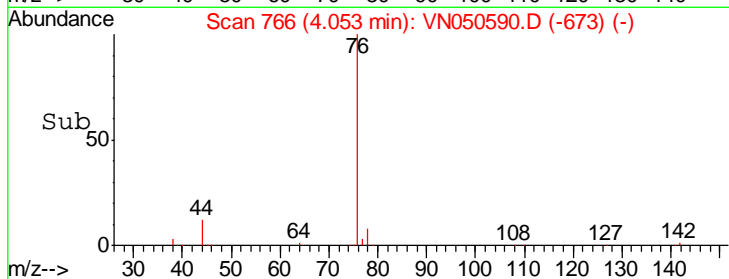
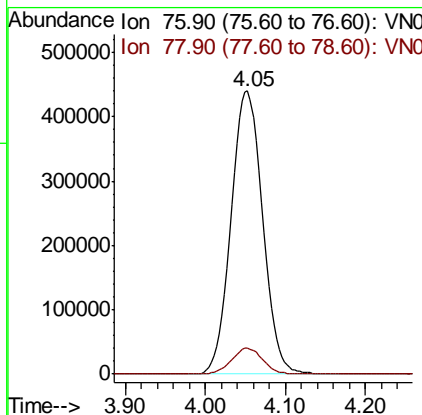
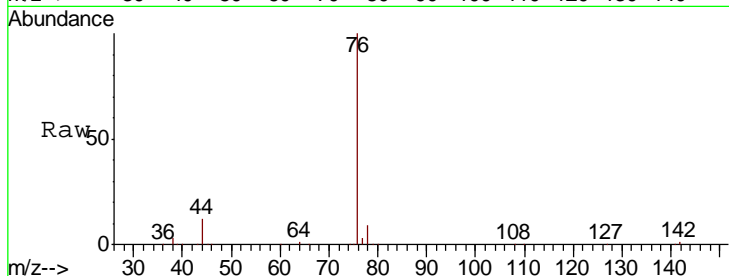
#17
 Carbon Disulfide
 Concen: 49.07 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
76	1176420		
76	100		
78	9.0	7.3	10.9

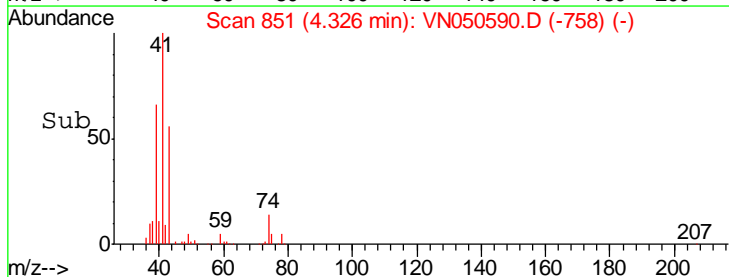
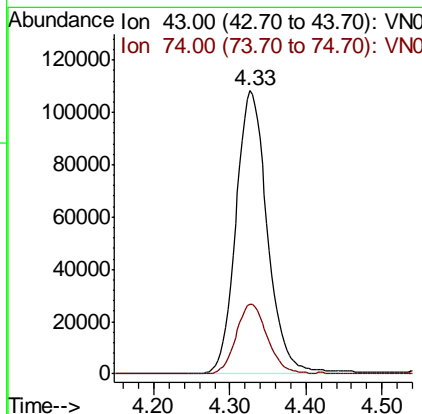
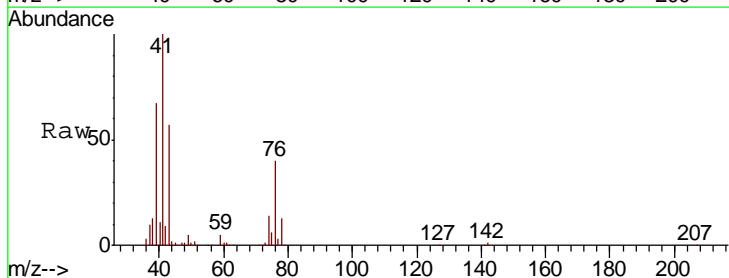
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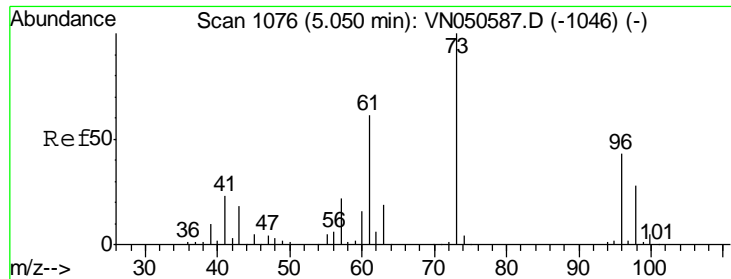
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#18
 Methyl Acetate
 Concen: 49.58 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
43	308243		
43	100		
74	24.8	19.7	29.5





#19
 Methyl tert-butyl Ether
 Concen: 51.68 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

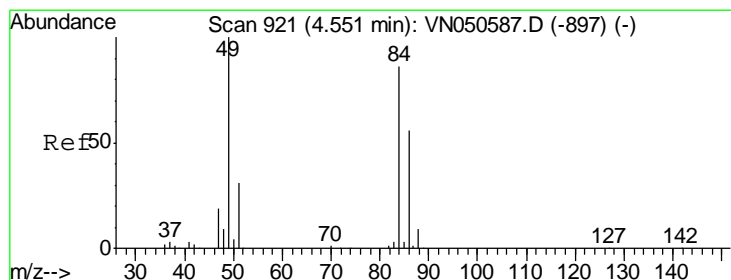
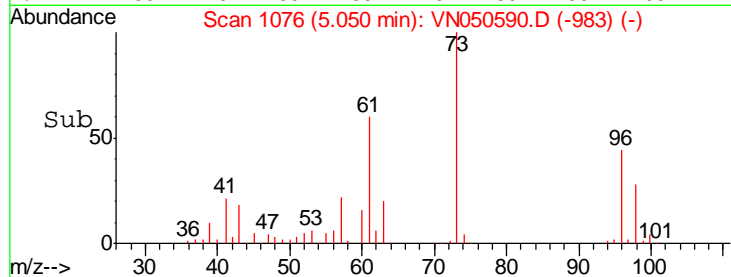
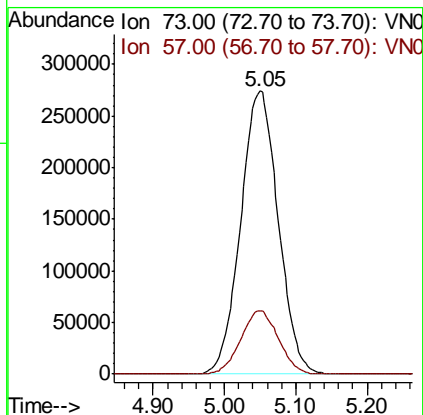
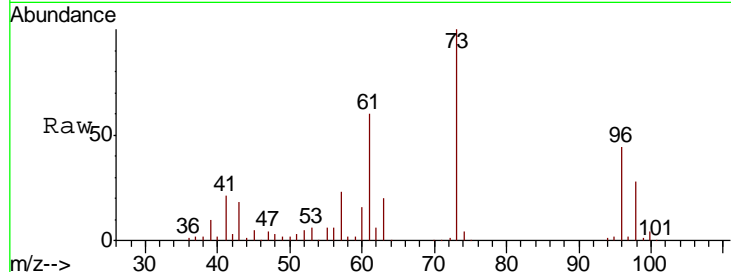
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion: 73 Resp: 1002064

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.9	26.9

Manual Integrations
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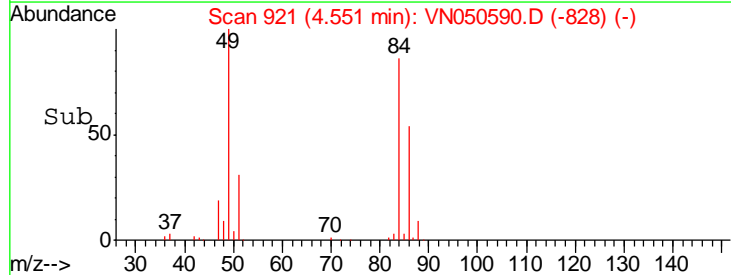
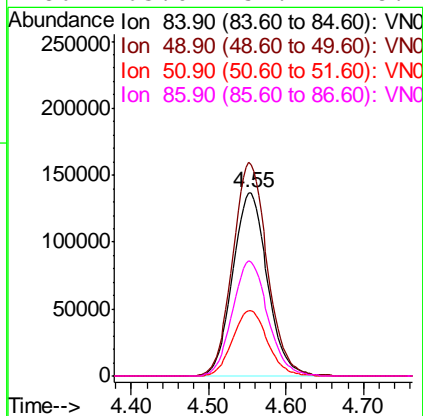
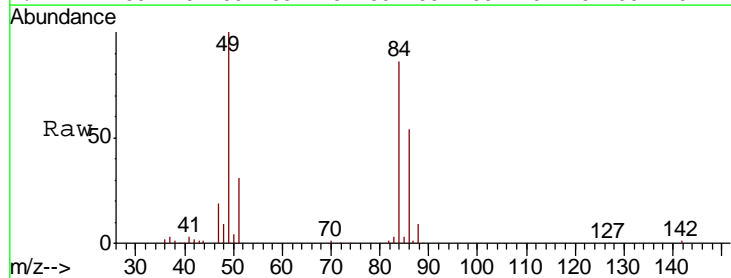
MMDadoda
 8/15/2018 3:21:52 PM

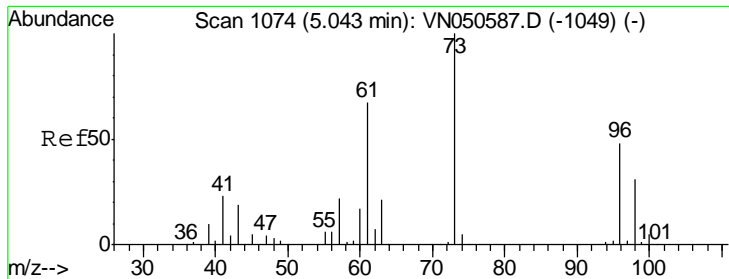


#20
 Methylene Chloride
 Concen: 50.70 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion: 84 Resp: 426359

Ion	Ratio	Lower	Upper
84	100		
49	116.3	92.6	138.8
51	35.5	28.6	43.0
86	63.0	52.2	78.2





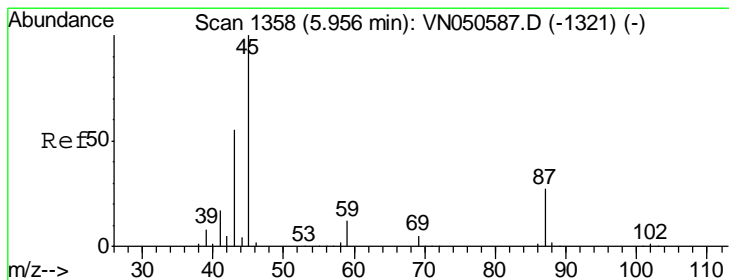
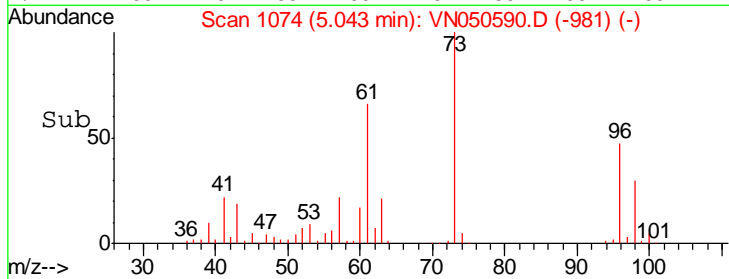
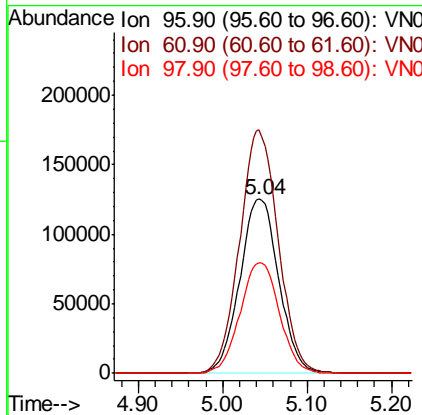
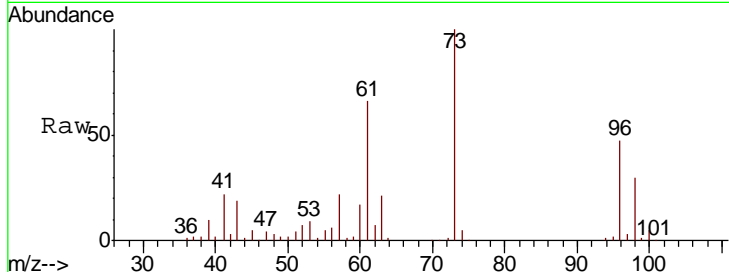
#21
 trans-1,2-Dichloroethene
 Concen: 48.80 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
96	403053		
96	100		
61	139.9	111.2	166.8
98	63.7	51.6	77.4

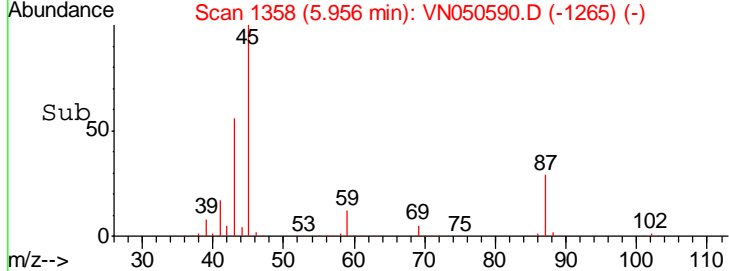
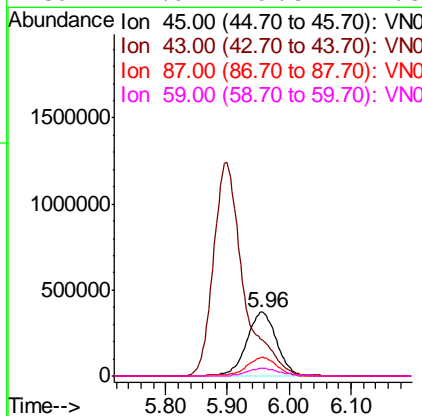
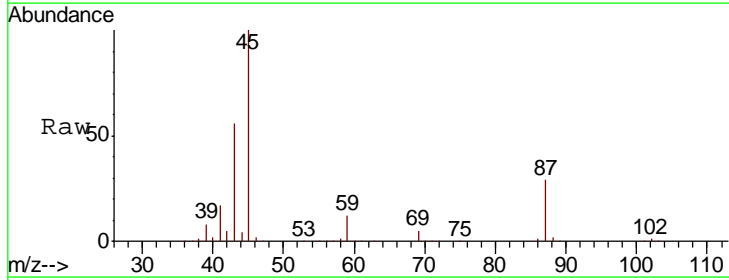
Manual Integrations
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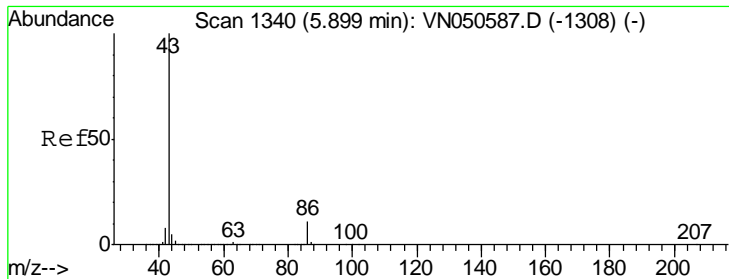
MMDadoda
 8/15/2018 3:21:52 PM



#22
 Diisopropyl ether
 Concen: 51.41 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
45	1249114		
45	100		
43	55.5	44.5	66.7
87	29.0	22.2	33.2
59	11.9	9.5	14.3





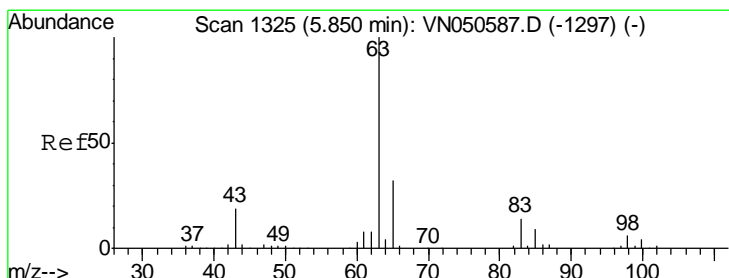
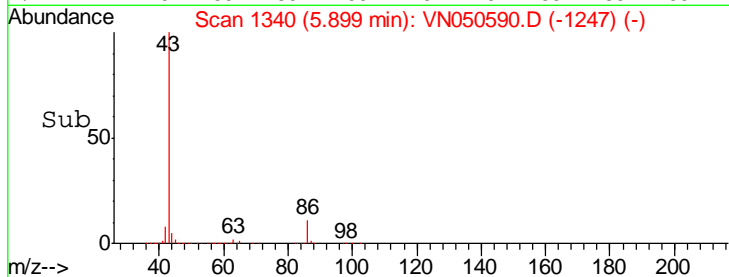
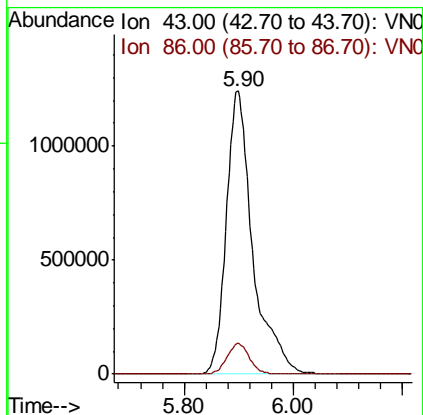
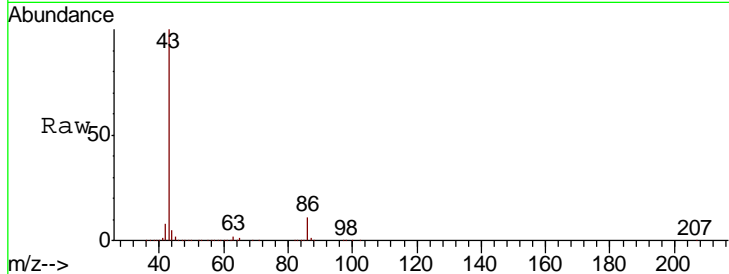
#23
 Vinyl Acetate
 Concen: 262.78 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
43	100		
86	10.8	8.4	12.6

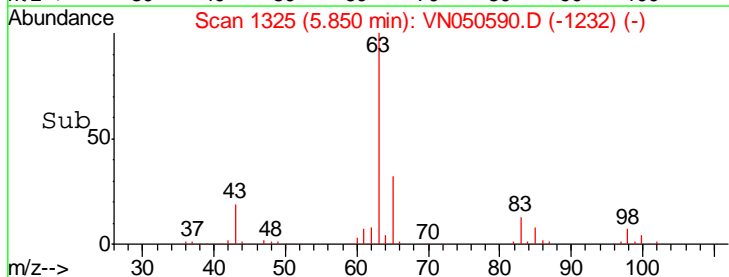
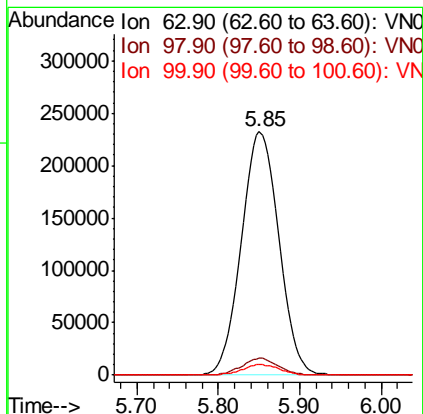
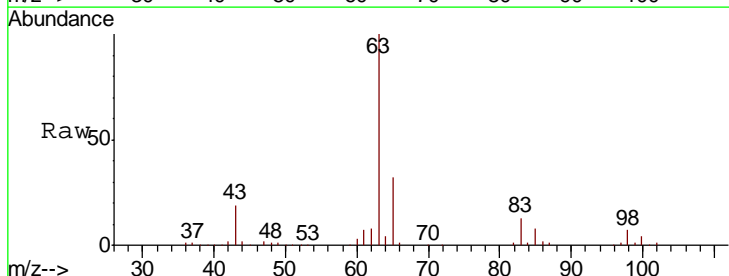
Manual Integrations
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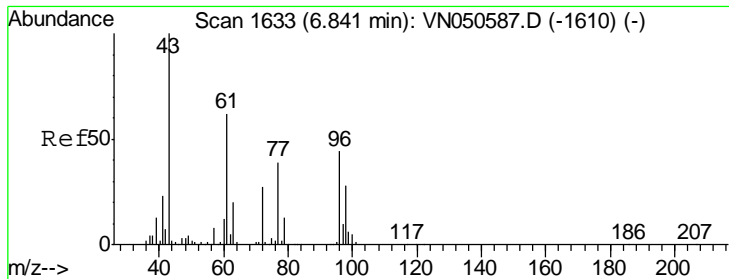
MMDadoda
 8/15/2018 3:21:52 PM



#24
 1,1-Dichloroethane
 Concen: 47.06 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
63	100		
98	6.8	3.2	9.6
100	4.2	2.1	6.5





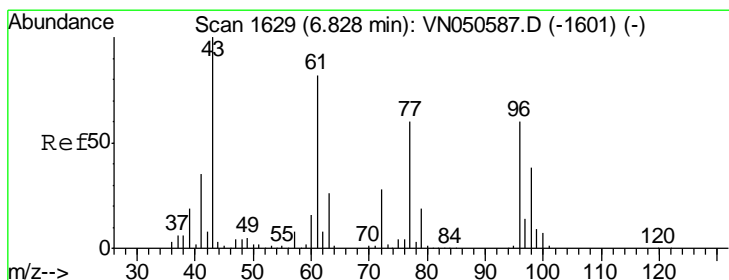
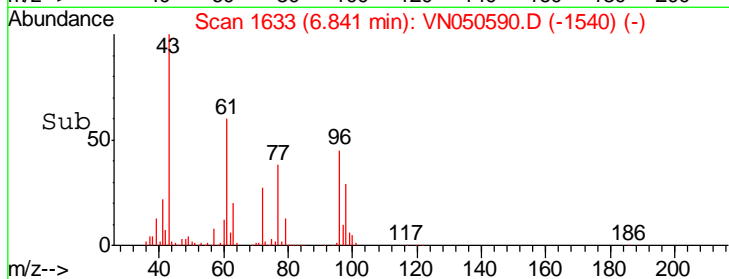
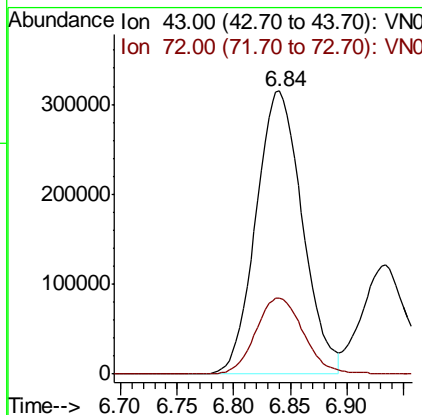
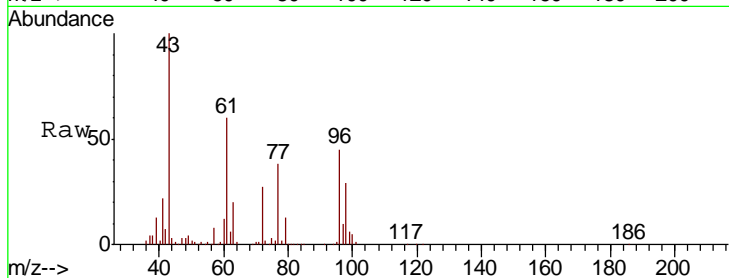
#25
 2-Butanone
 Concen: 246.44 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.0	21.8	32.6

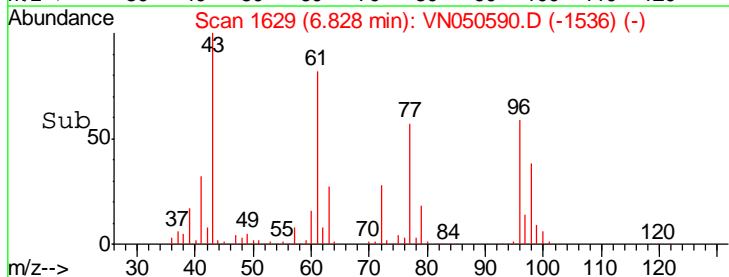
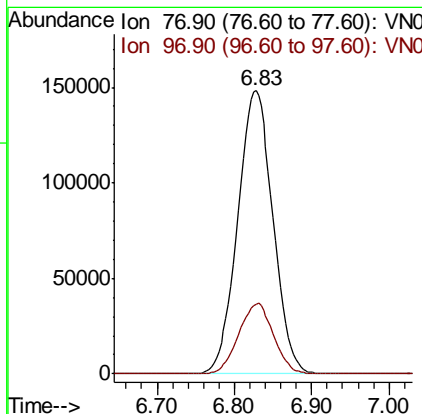
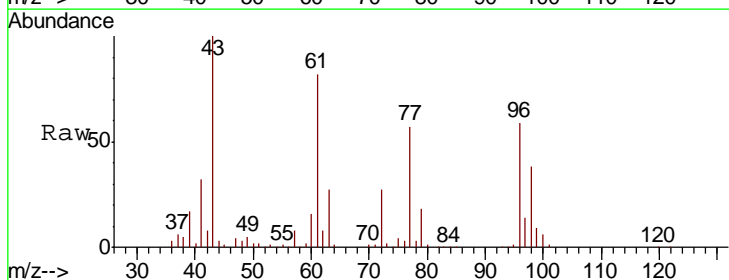
Manual Integrations
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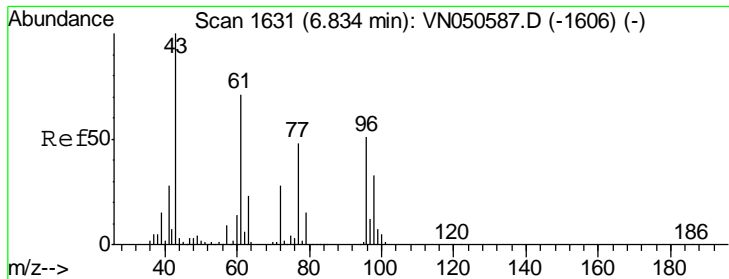
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#26
 2,2-Dichloropropane
 Concen: 44.66 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.6	12.2	36.4





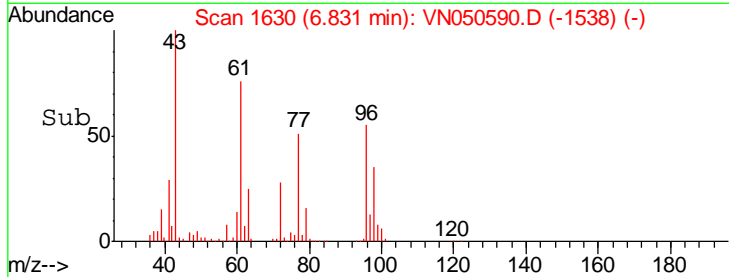
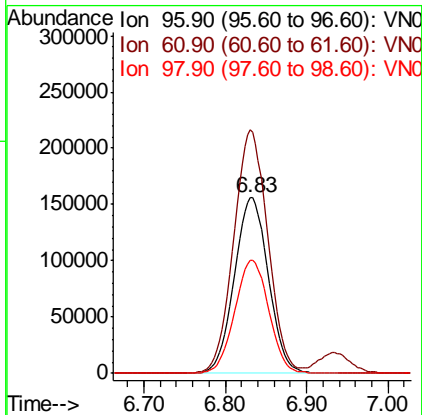
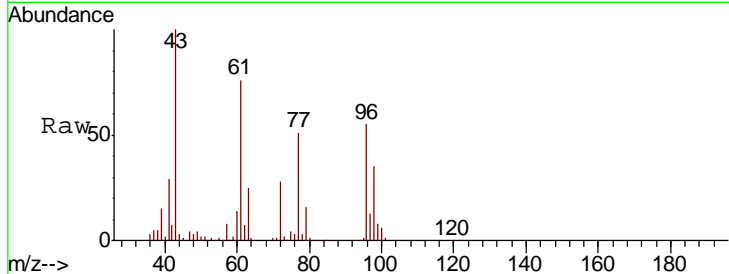
#27
 cis-1,2-Dichloroethene
 Concen: 49.04 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
96	451069		
96	100		
61	139.1	0.0	278.2
98	64.5	0.0	128.8

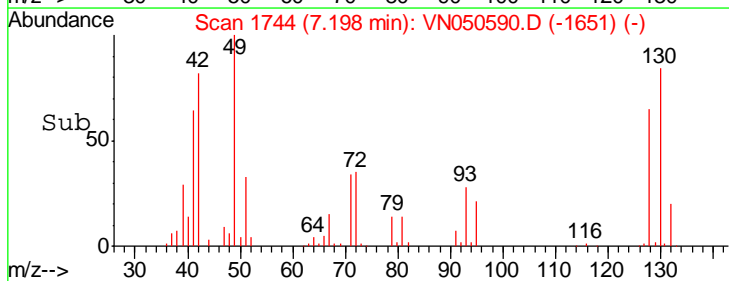
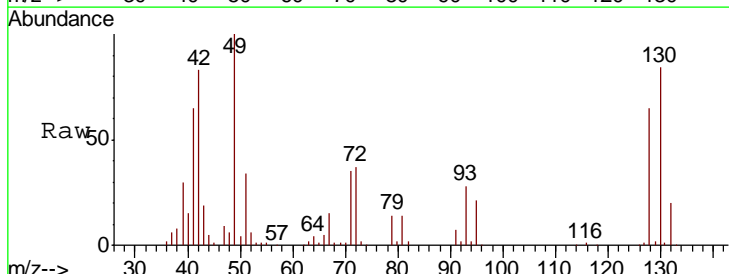
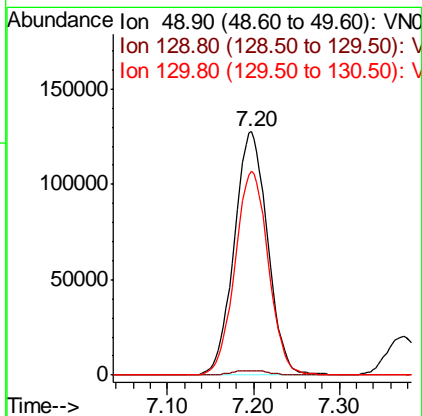
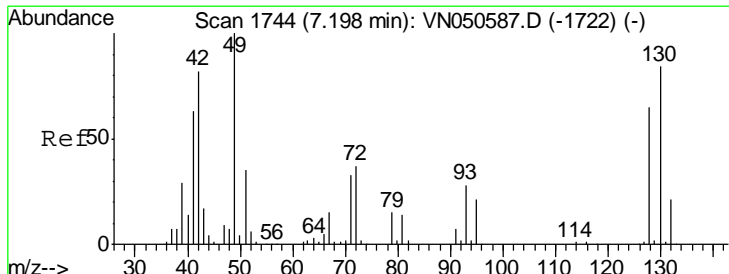
Manual Integrations
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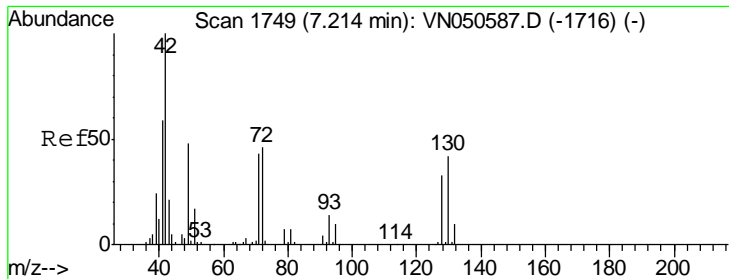
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#28
 Bromochloromethane
 Concen: 48.15 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
49	344527		
49	100		
129	2.1	0.0	4.2
130	83.6	66.8	100.2





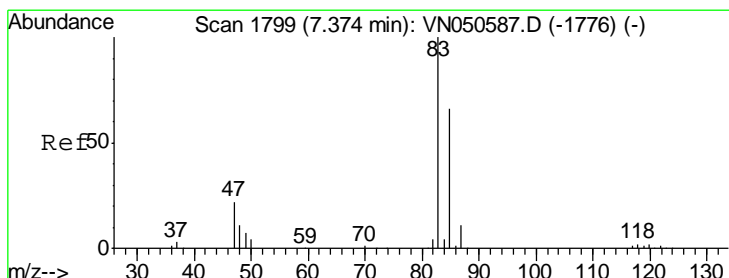
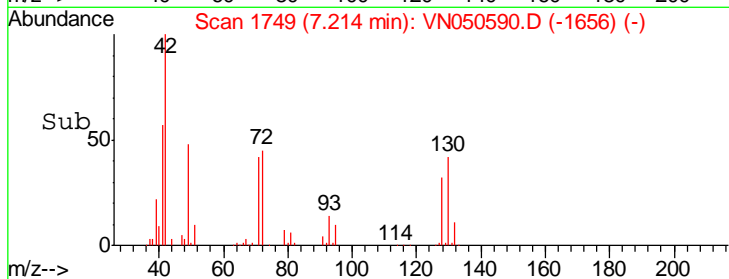
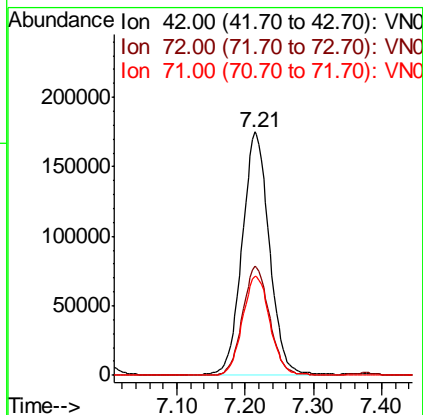
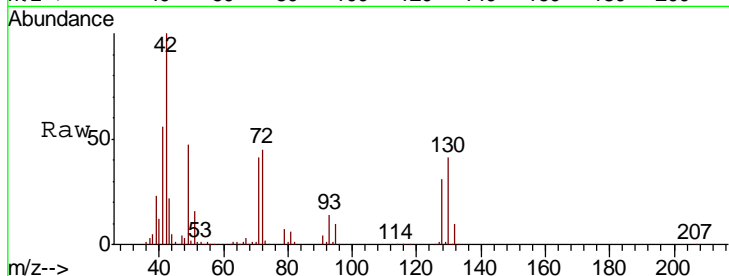
#29
 Tetrahydrofuran
 Concen: 255.61 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
42	484310		
72	44.5	35.8	53.6
71	41.3	33.4	50.0

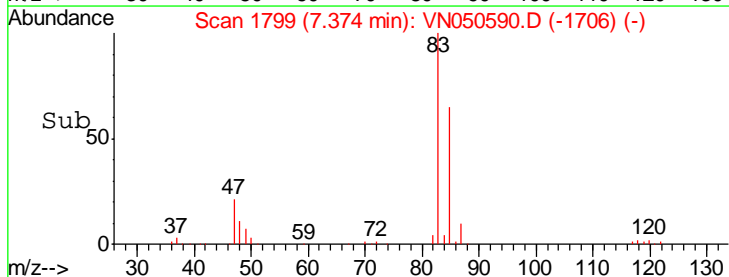
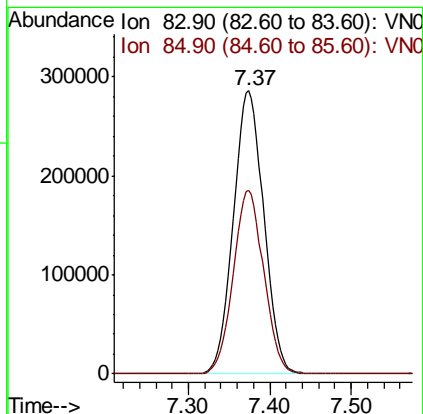
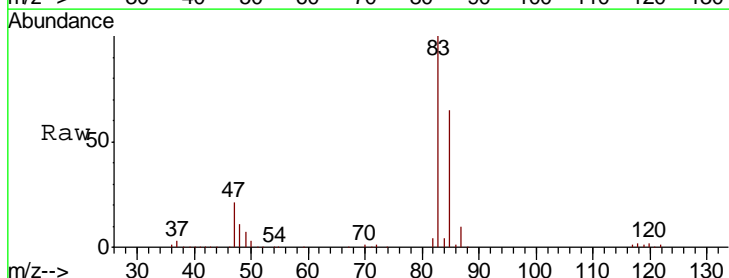
Manual Integrations
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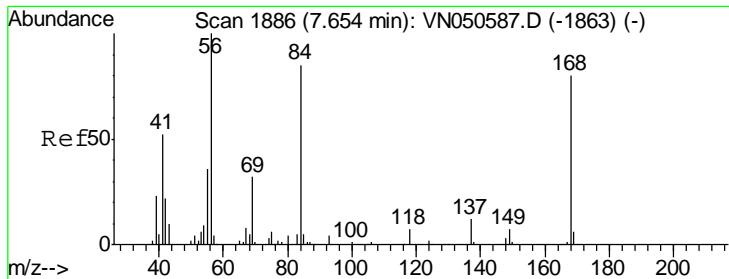
MMDadoda
 8/15/2018 3:21:52 PM



#30
 Chloroform
 Concen: 46.62 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
83	742711		
85	65.0	52.5	78.7





#31
 Cyclohexane
 Concen: 50.18 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

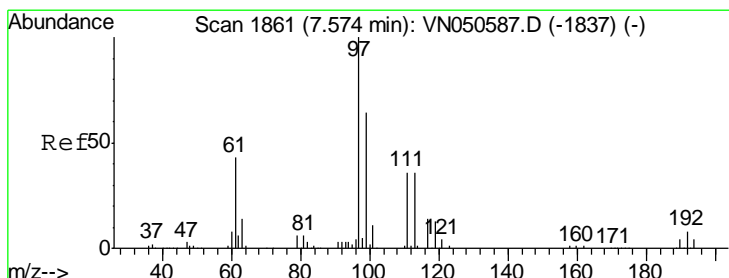
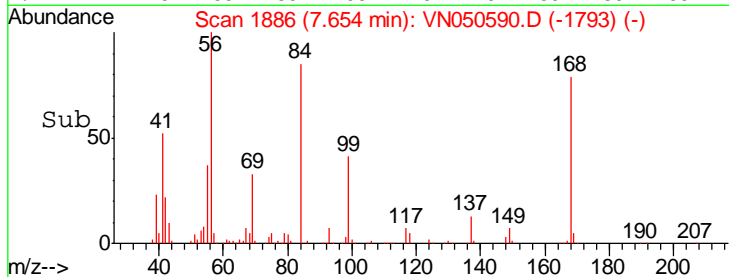
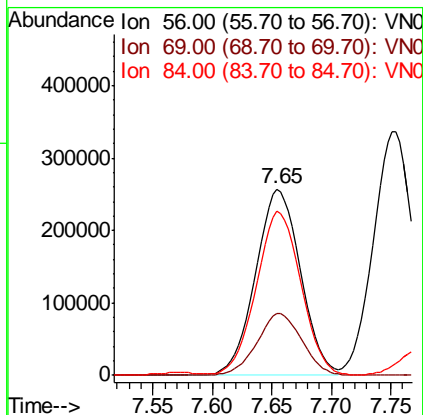
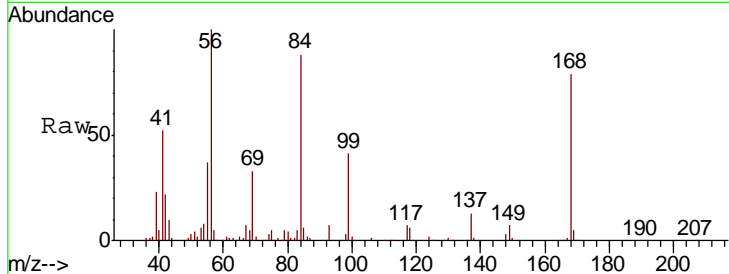
Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion: 56 Resp: 673218

Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.8	38.6
84	86.5	67.8	101.6

Manual Integrations
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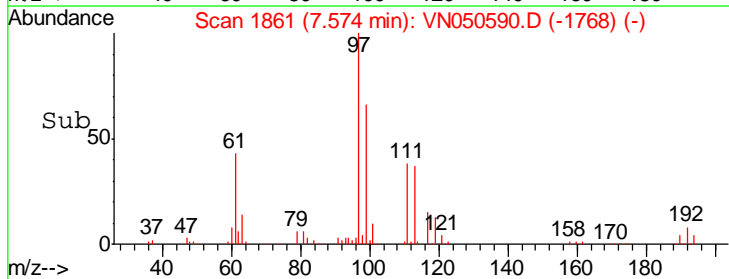
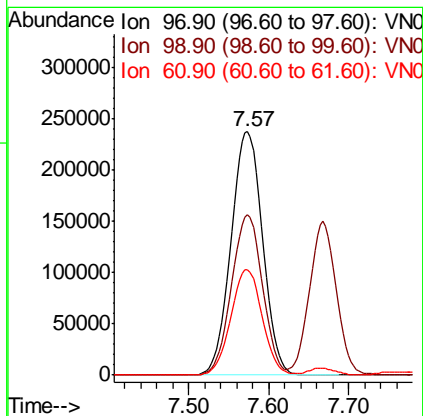
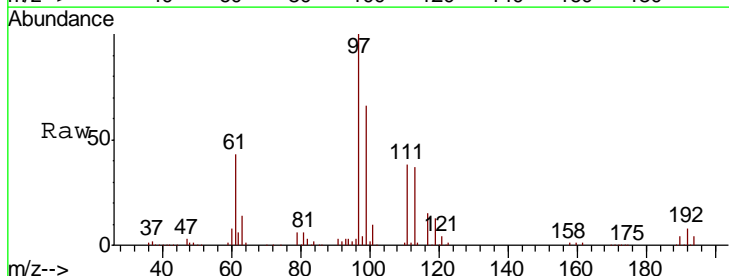
MMDadoda
 8/15/2018 3:21:52 PM

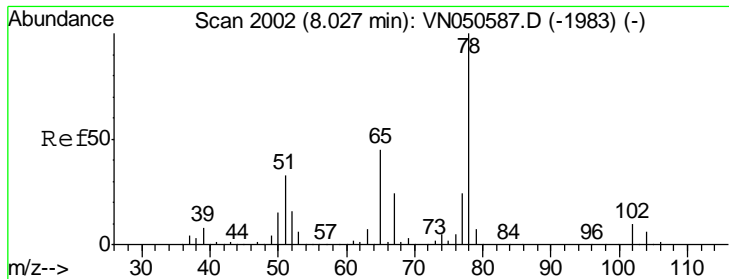


#32
 1,1,1-Trichloroethane
 Concen: 47.25 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion: 97 Resp: 633675

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.1	76.7
61	43.0	34.8	52.2





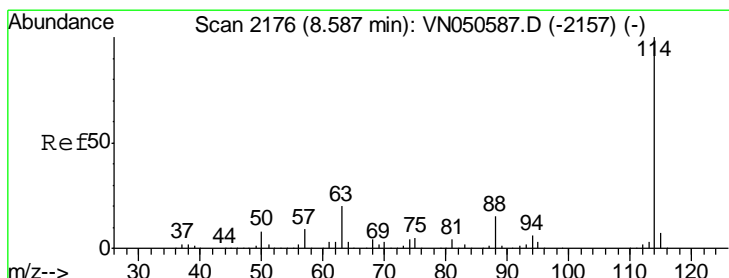
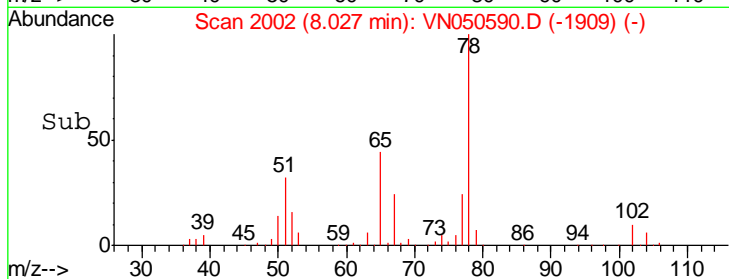
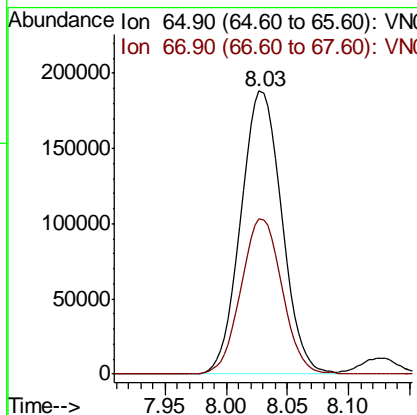
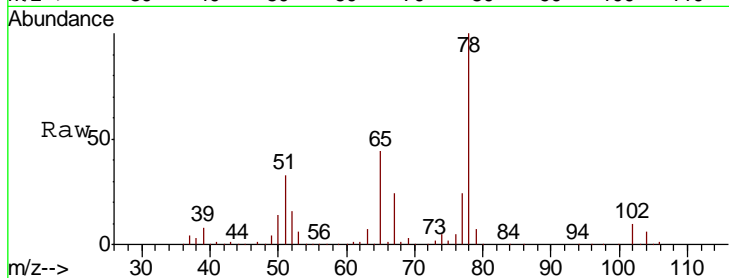
#33
 1,2-Dichloroethane-d4
 Concen: 49.49 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
65	437998		
65	100		
67	55.0	0.0	109.8

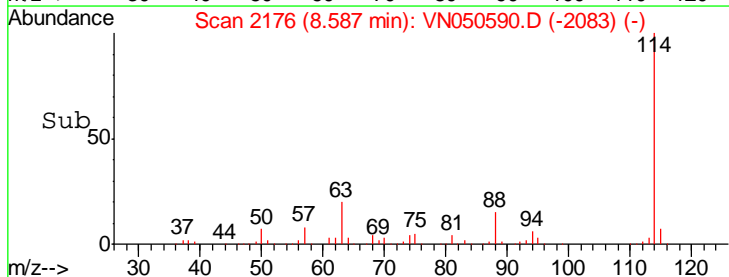
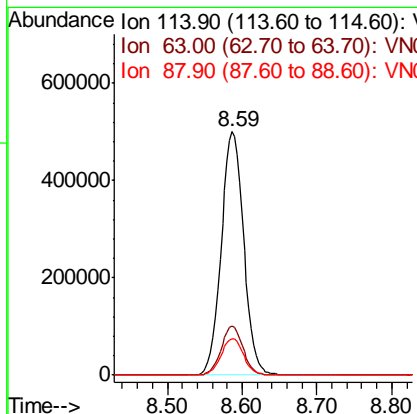
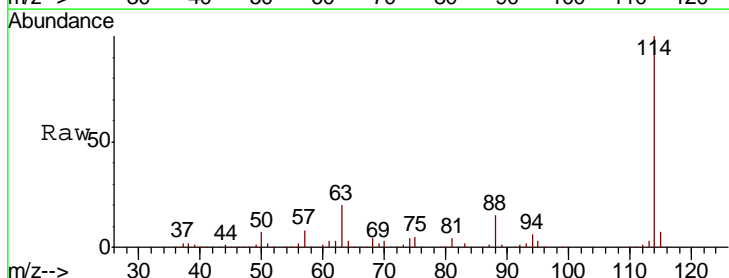
Manual Integrations
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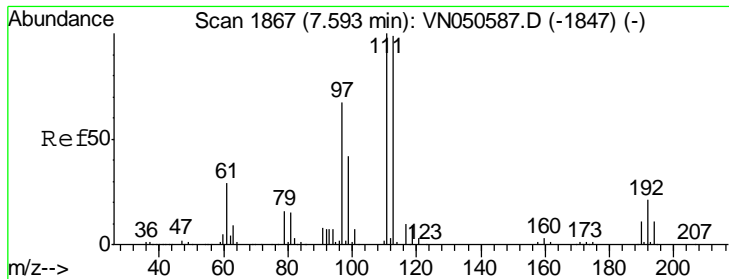
MMDadoda
 8/15/2018 3:21:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
114	1035623		
114	100		
63	20.1	0.0	40.0
88	14.9	0.0	30.8





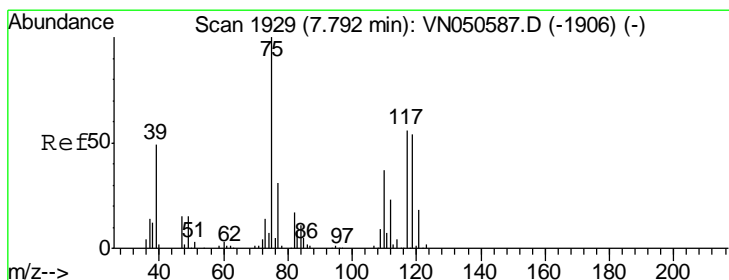
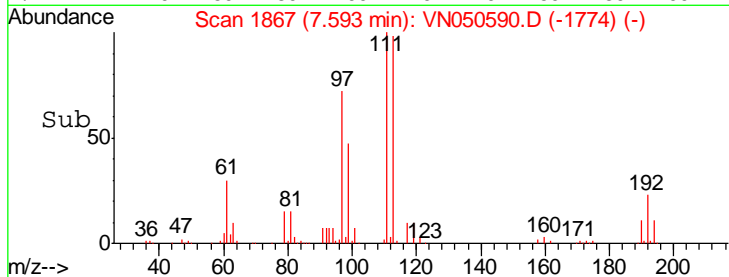
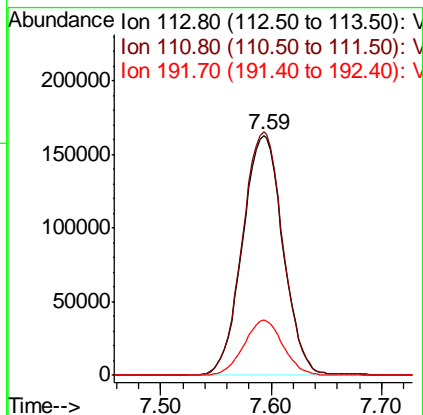
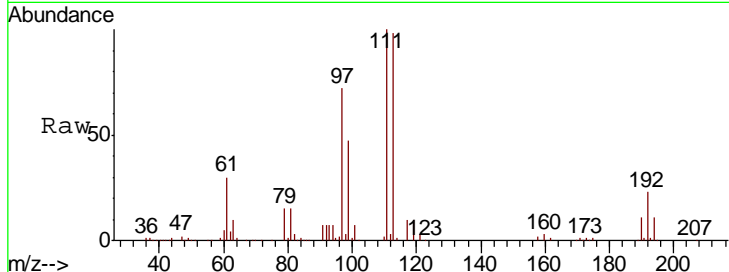
#35
 Dibromofluoromethane
 Concen: 50.06 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.2	81.0	121.6
192	22.3	17.6	26.4

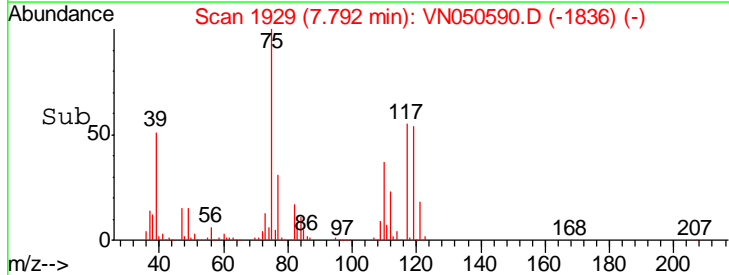
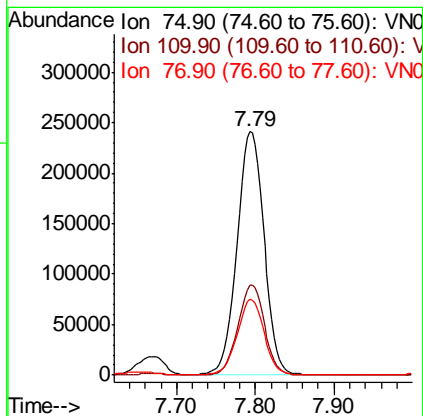
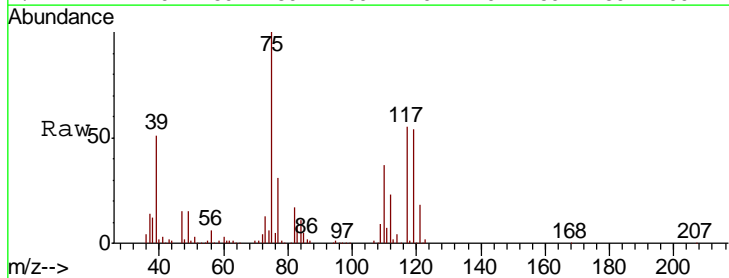
Manual Integrations
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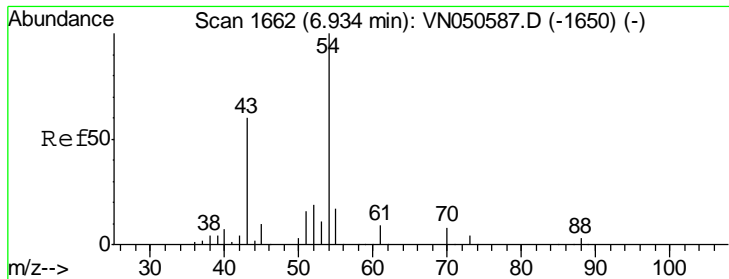
MMDadoda
 8/15/2018 3:21:52 PM



#36
 1,1-Dichloropropene
 Concen: 50.26 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
75	100		
110	36.6	18.3	54.9
77	31.1	25.0	37.4





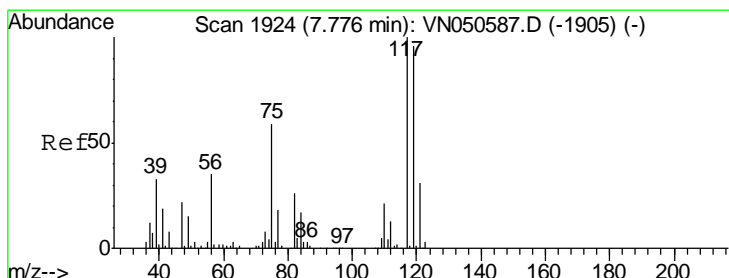
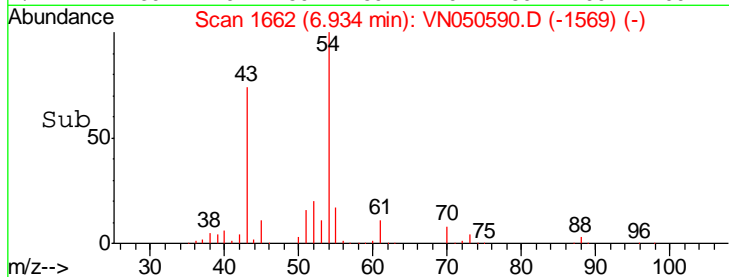
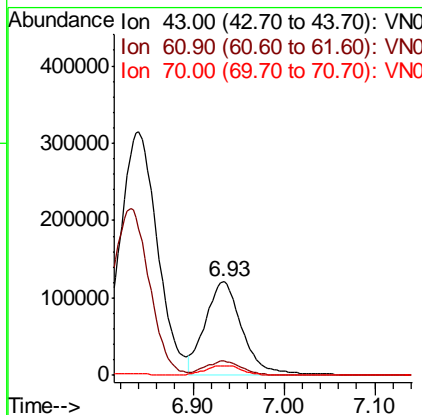
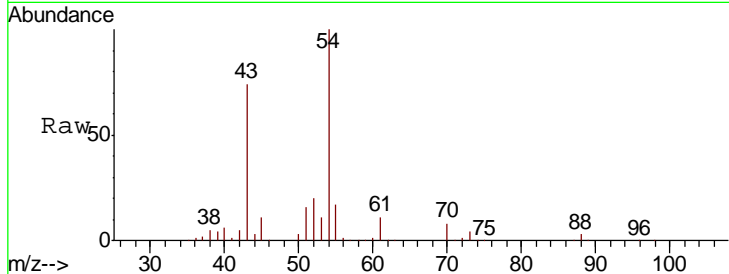
#37
 Ethyl Acetate
 Concen: 51.45 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	10.9	8.5	12.7

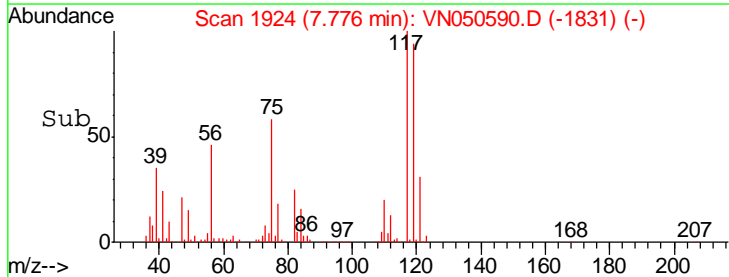
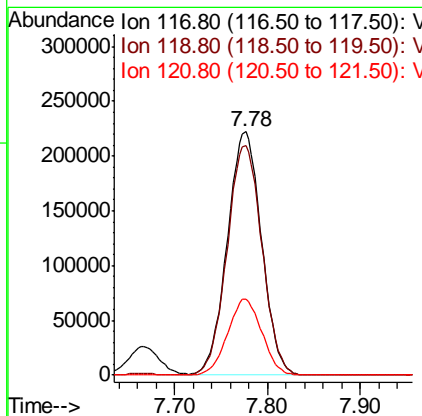
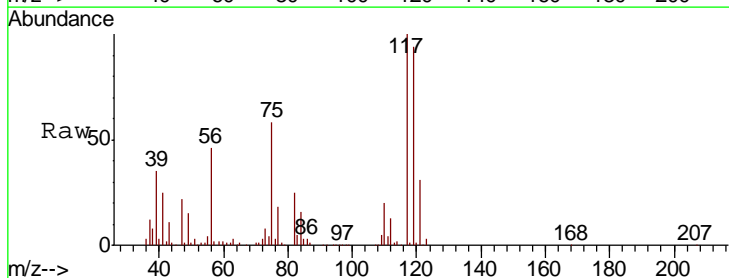
Manual Integrations
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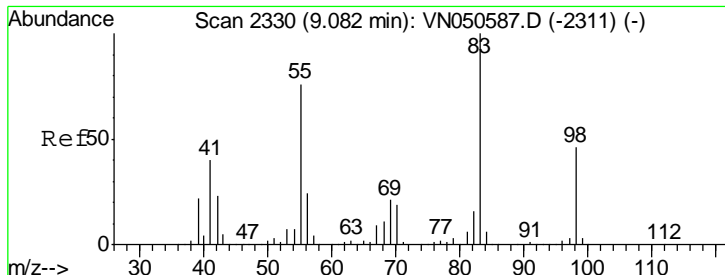
MMDadoda
 8/15/2018 3:21:52 PM



#38
 Carbon Tetrachloride
 Concen: 47.62 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
117	100		
119	94.2	76.6	115.0
121	31.4	25.0	37.6





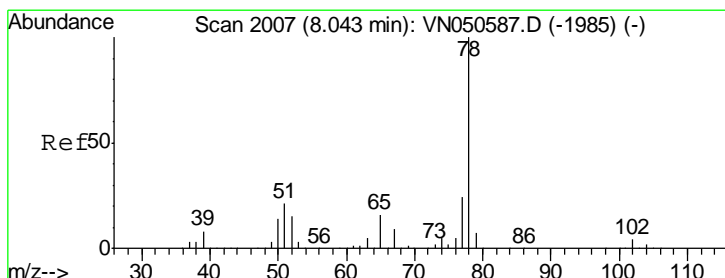
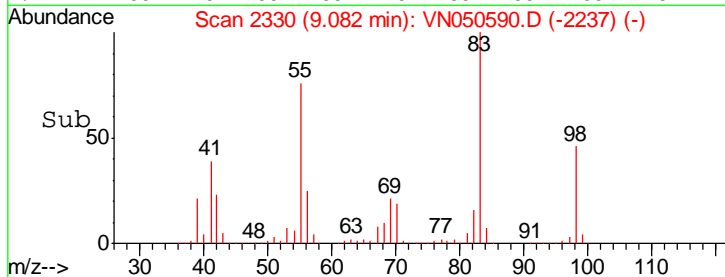
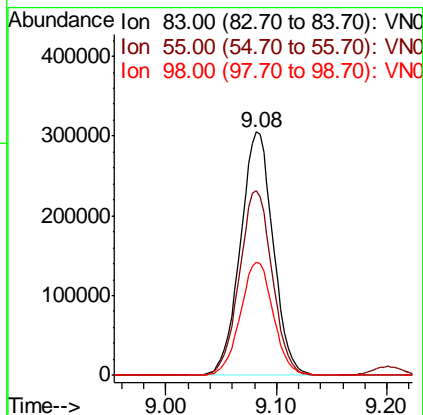
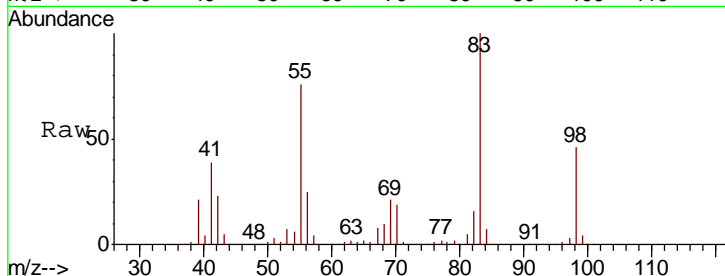
#39
 Methylcyclohexane
 Concen: 52.56 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
83	100		
55	75.9	60.6	91.0
98	46.5	37.0	55.4

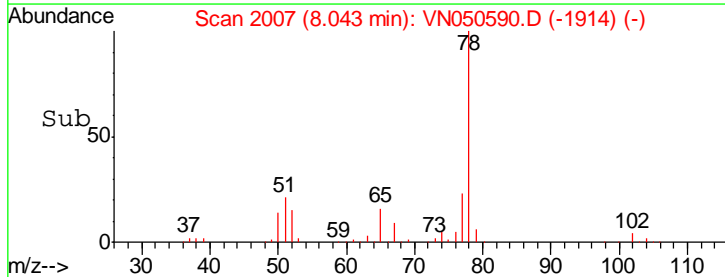
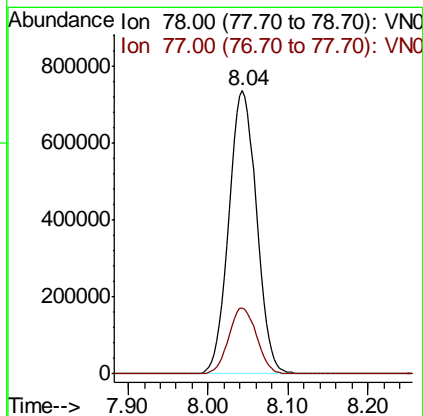
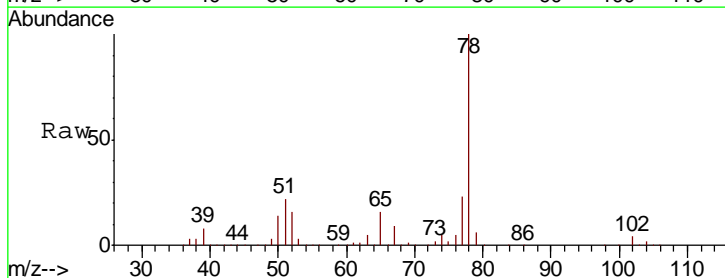
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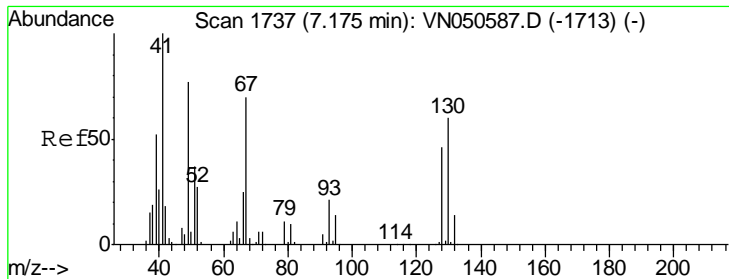
MMDadoda
 8/15/2018 3:21:52 PM



#40
 Benzene
 Concen: 49.34 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.4	19.0	28.6





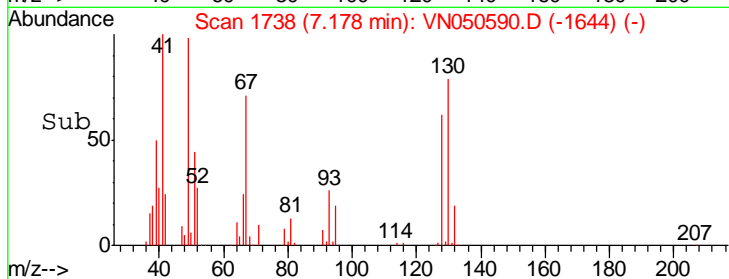
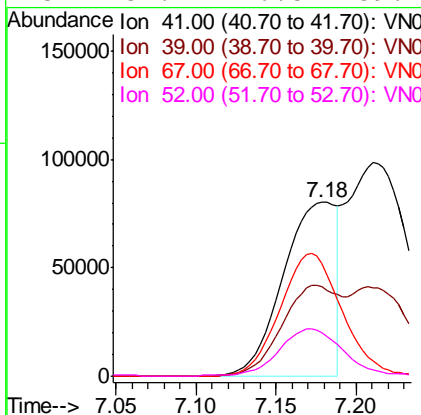
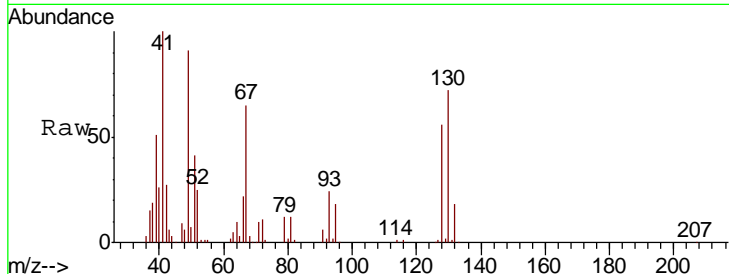
#41
 Methacrylonitrile
 Concen: 53.03 ug/l
 RT: 7.18 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
41	100		
39	59.4	44.6	66.8
67	82.0	66.7	100.1
52	32.4	26.5	39.7

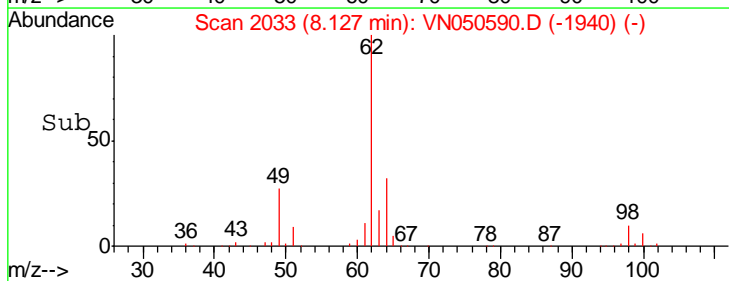
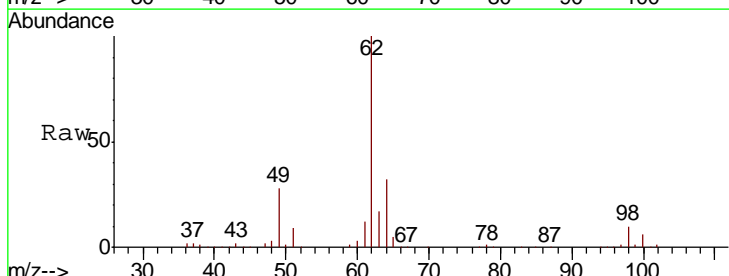
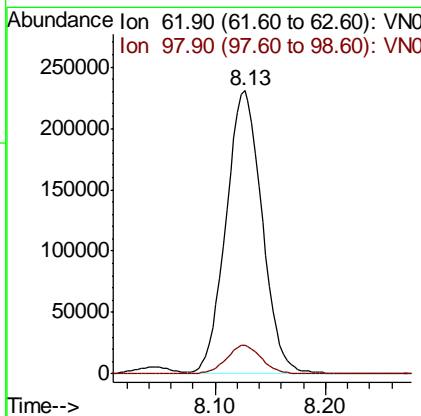
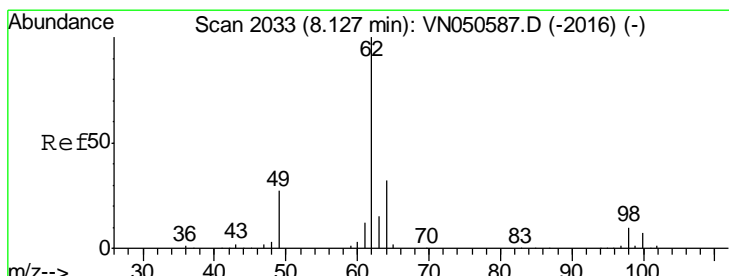
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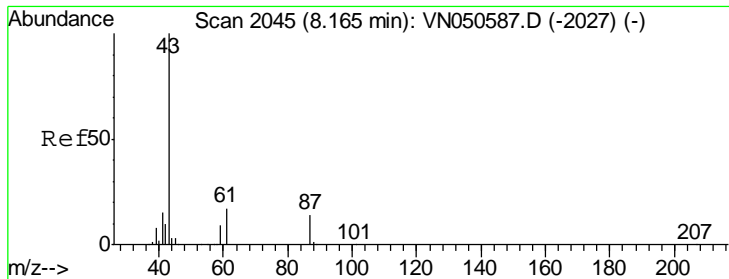
MMDadoda
 8/15/2018 3:21:52 PM



#42
 1,2-Dichloroethane
 Concen: 48.38 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.7	0.0	19.4





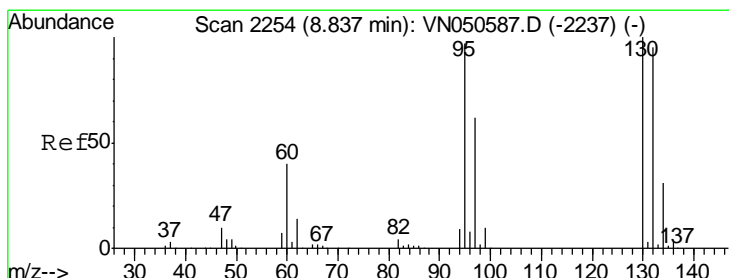
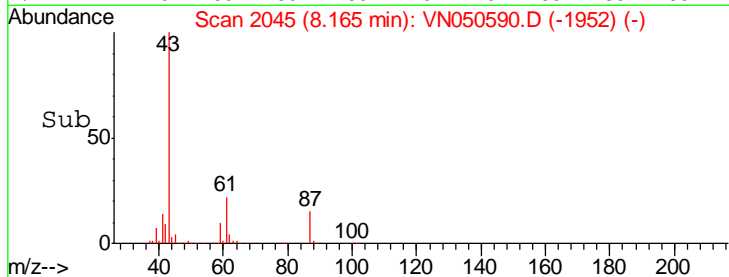
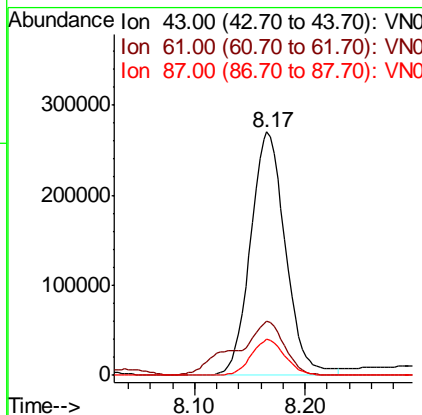
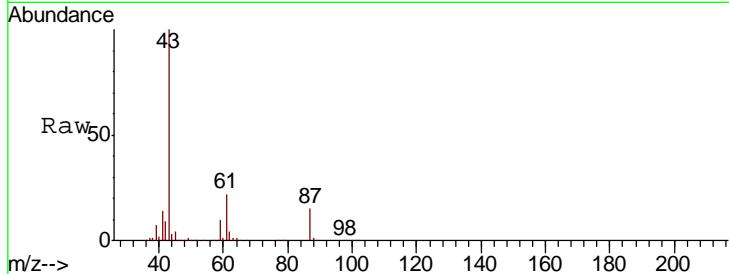
#43
 Isopropyl Acetate
 Concen: 49.78 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
43	100		
61	30.7	16.2	24.2#
87	14.3	10.9	16.3

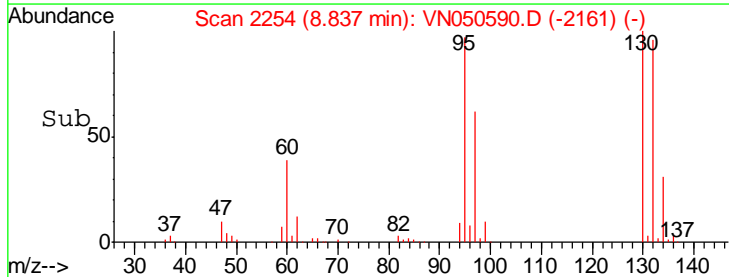
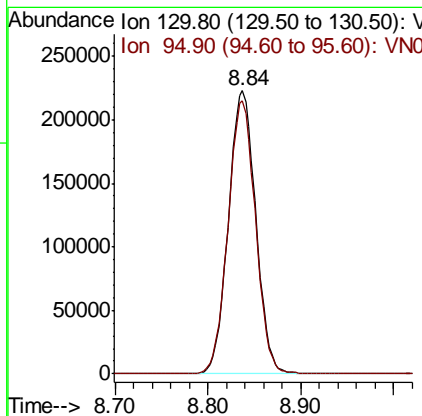
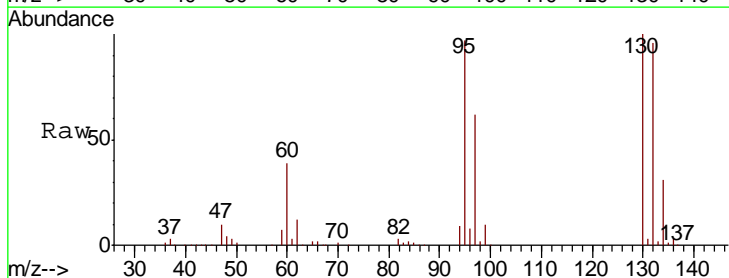
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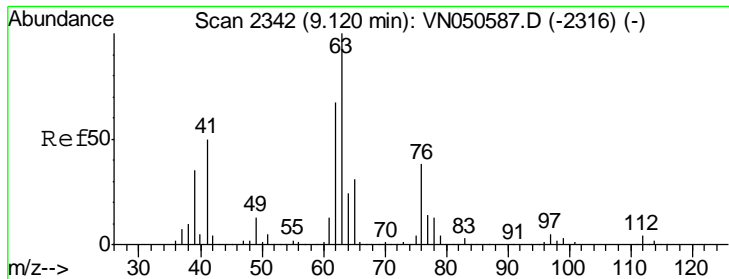
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 8/15/2018 3:21:52 PM



#44
 Trichloroethene
 Concen: 48.59 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.6	0.0	193.8





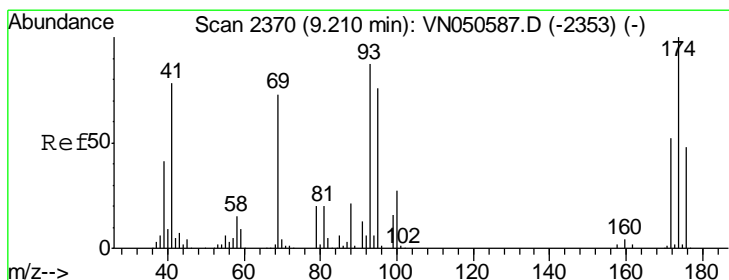
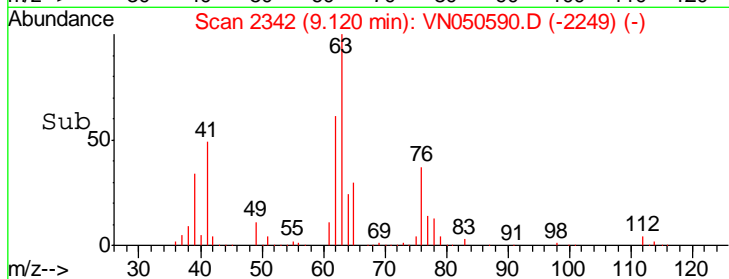
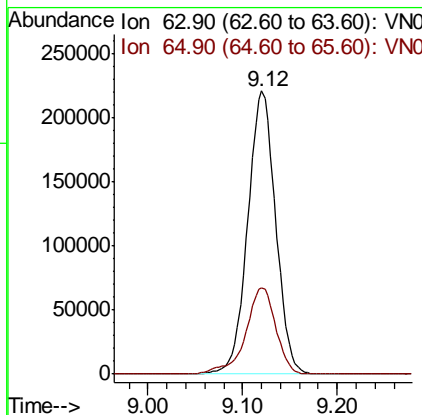
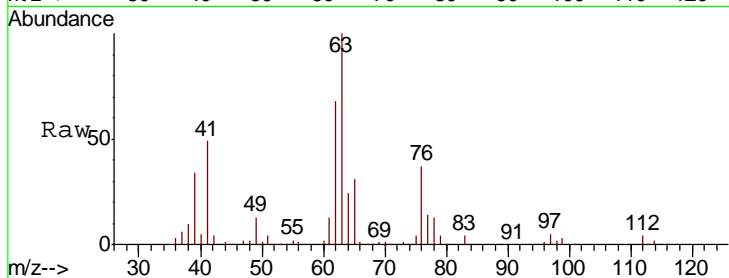
#45
 1,2-Dichloropropane
 Concen: 48.45 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.6	24.5	36.7

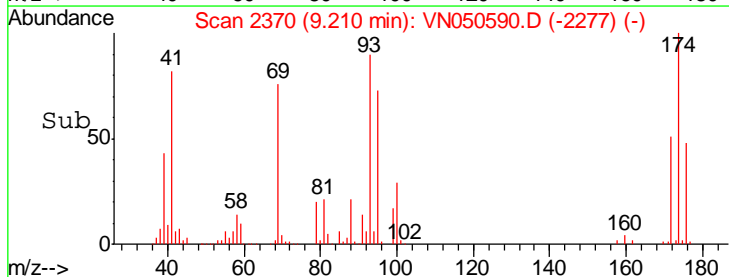
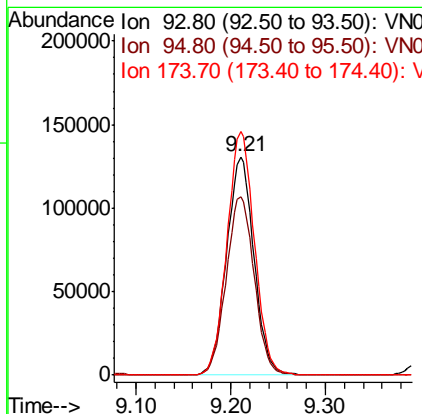
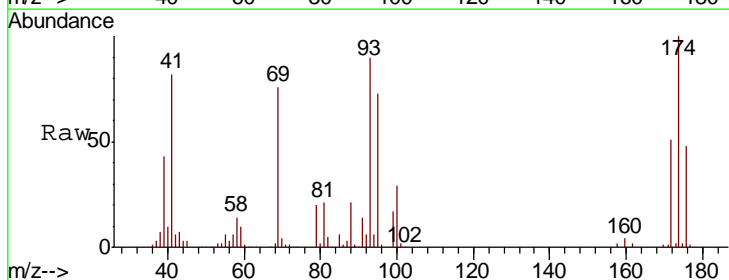
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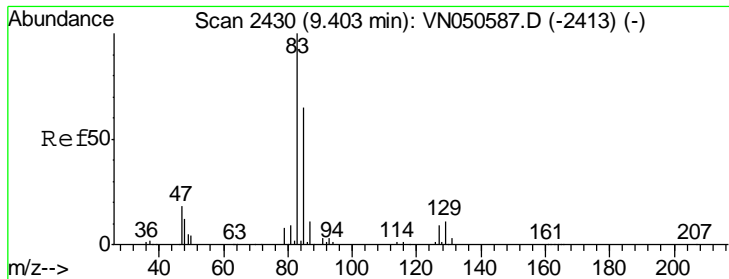
MMDadoda
 8/15/2018 3:21:52 PM



#46
 Dibromomethane
 Concen: 47.89 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.4	69.1	103.7
174	111.6	91.0	136.6





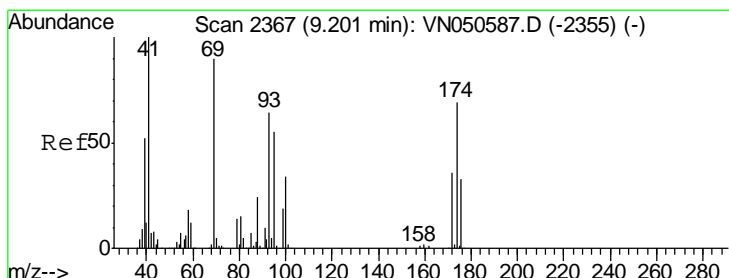
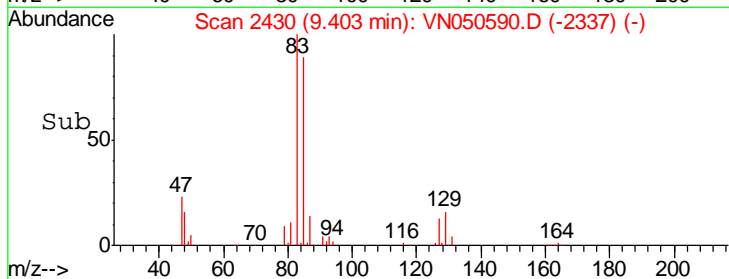
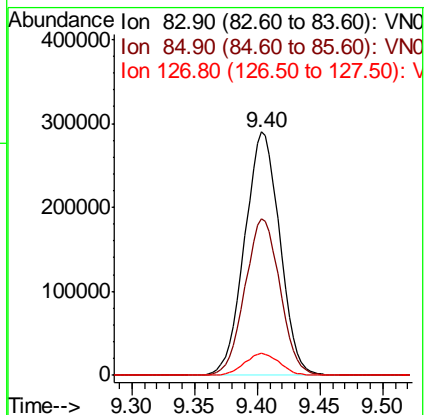
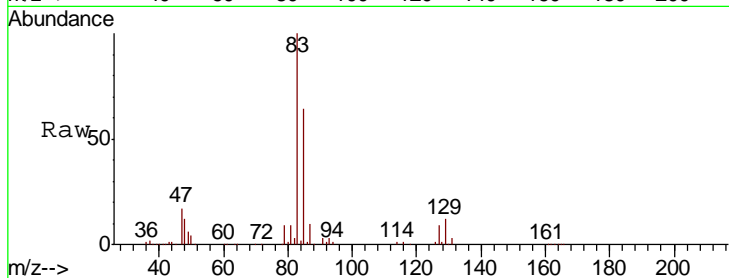
#47
 Bromodichloromethane
 Concen: 47.95 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
83	100		
85	64.4	51.8	77.6
127	9.0	7.2	10.8

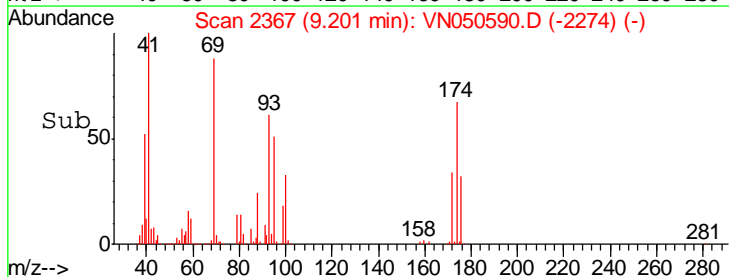
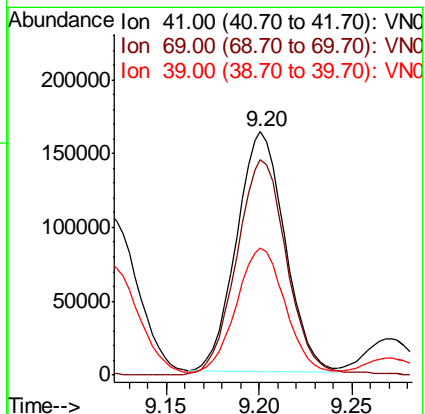
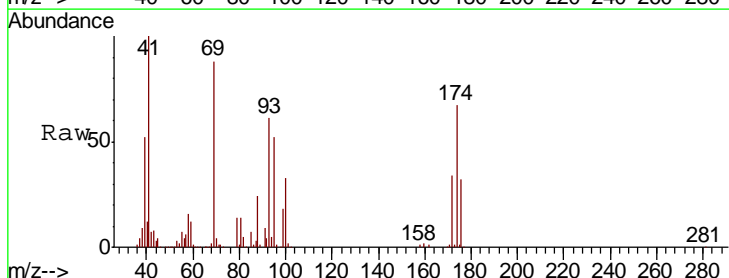
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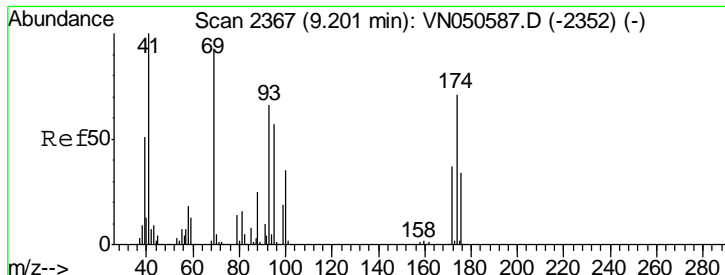
MMDadoda
 8/15/2018 3:21:52 PM



#48
 Methyl methacrylate
 Concen: 49.41 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
41	100		
69	93.5	73.4	110.0
39	54.3	43.0	64.6





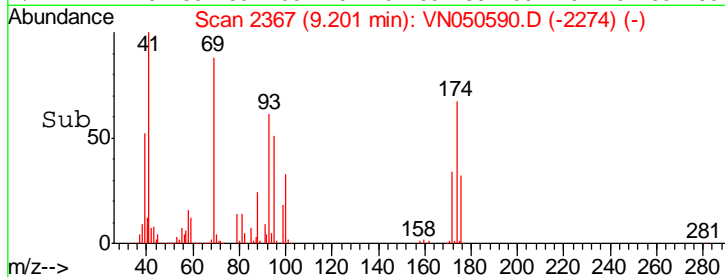
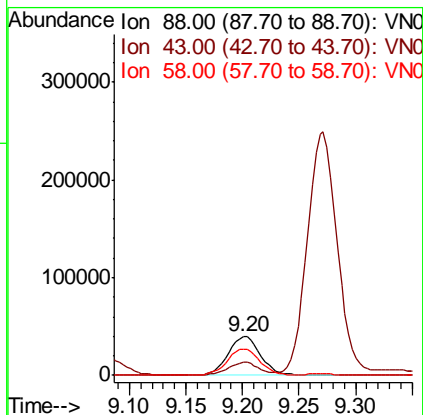
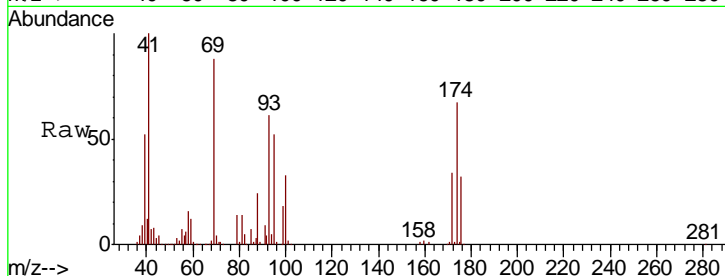
#49
 1,4-Dioxane
 Concen: 1010.71 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
88	79565		
88	100		
43	32.0	25.9	38.9
58	69.1	56.5	84.7

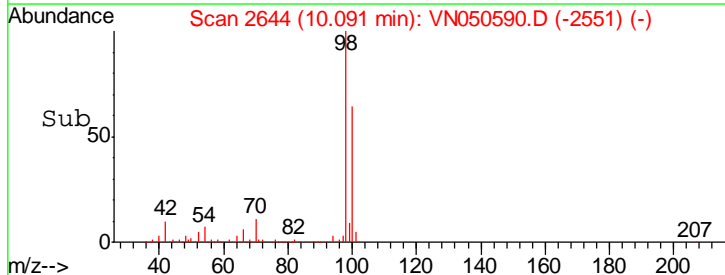
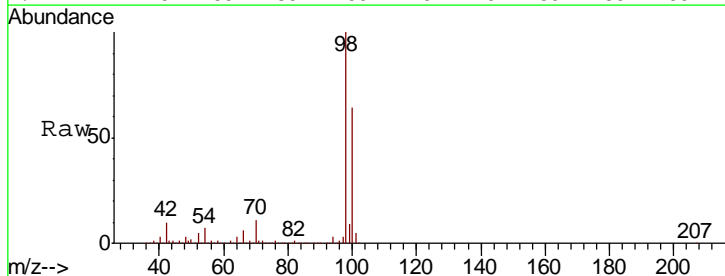
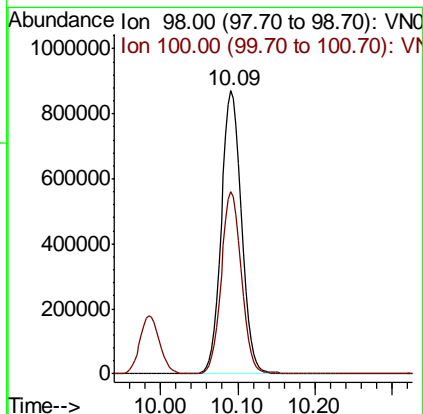
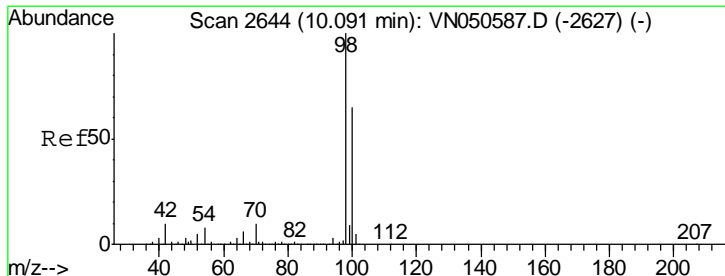
Manual Integrations
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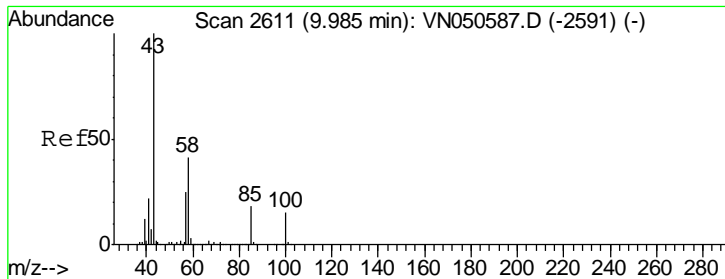
MMDadoda
 8/15/2018 3:21:52 PM



#50
 Toluene-d8
 Concen: 51.07 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

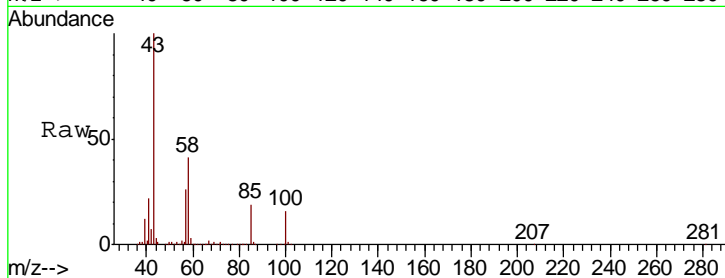
Tgt Ion	Resp	Lower	Upper
98	1589199		
98	100		
100	63.9	51.8	77.8





#51
 4-Methyl-2-Pentanone
 Concen: 255.33 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

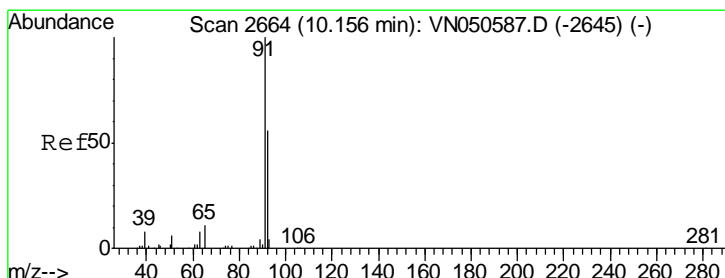
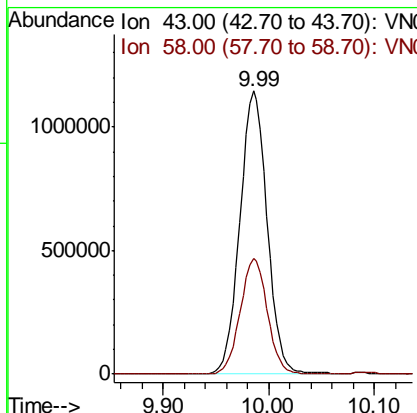
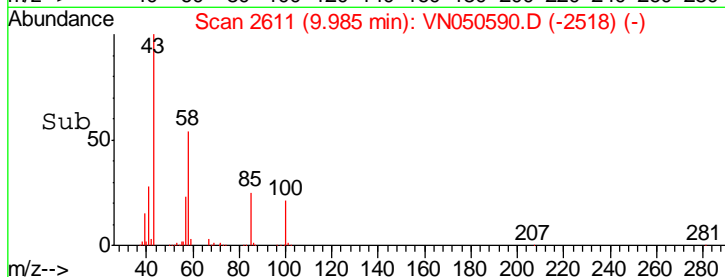
Instrument : MSVOA_N
 ClientSampled : ICVVN081418



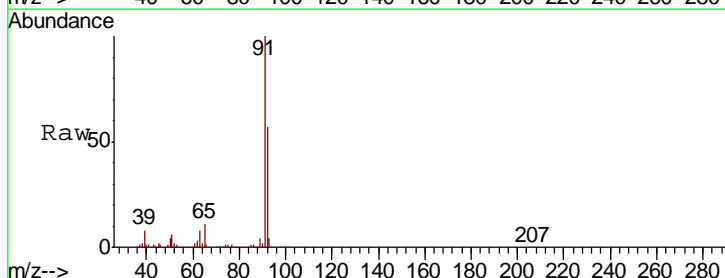
Tgt Ion: 43 Resp: 2050752
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.5 48.7

Manual Integrations
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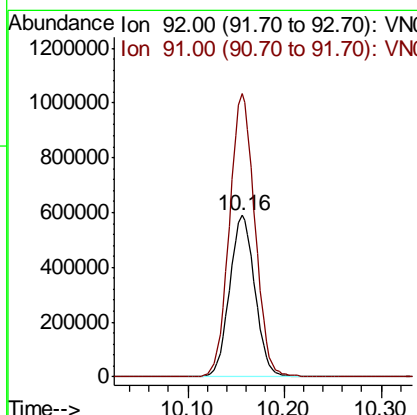
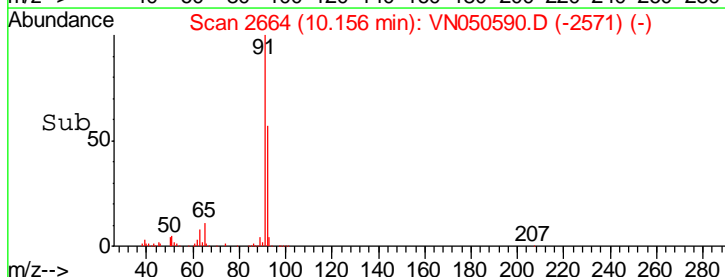
MMDadoda
 8/15/2018 3:21:52 PM

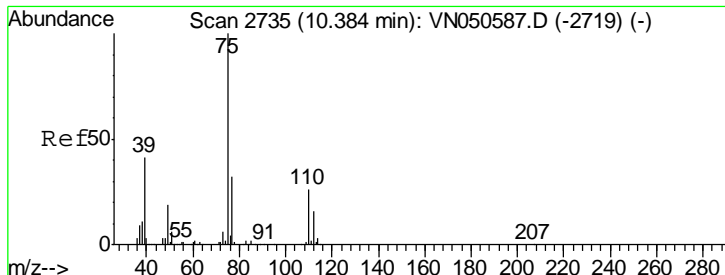


#52
 Toluene
 Concen: 51.19 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13



Tgt Ion: 92 Resp: 1071866
 Ion Ratio Lower Upper
 92 100
 91 175.9 141.9 212.9





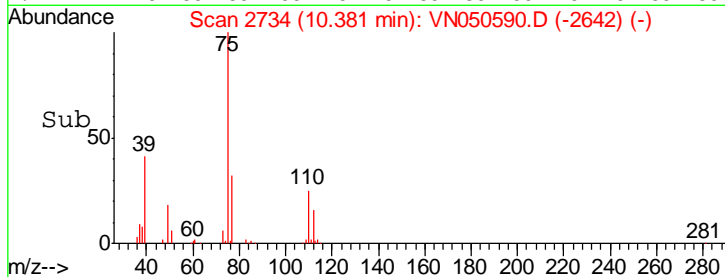
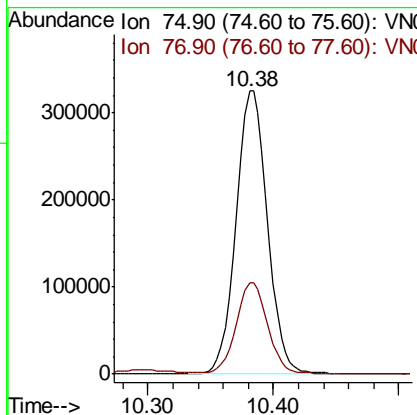
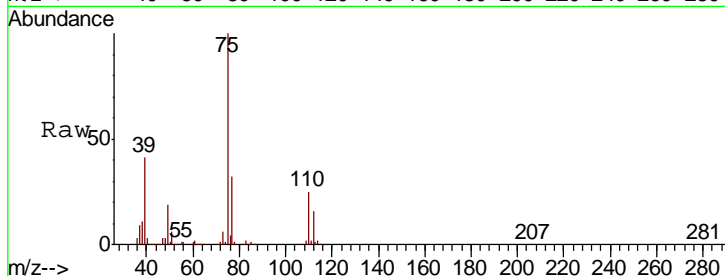
#53
 t-1,3-Dichloropropene
 Concen: 51.53 ug/l
 RT: 10.38 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.9	25.8	38.6

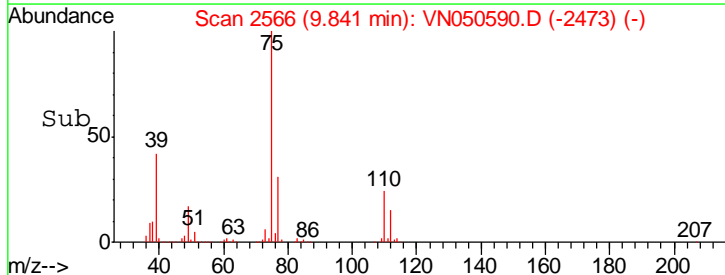
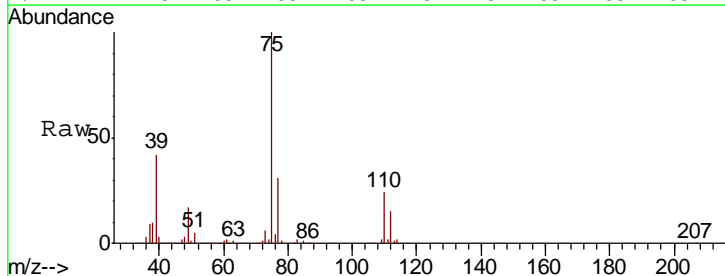
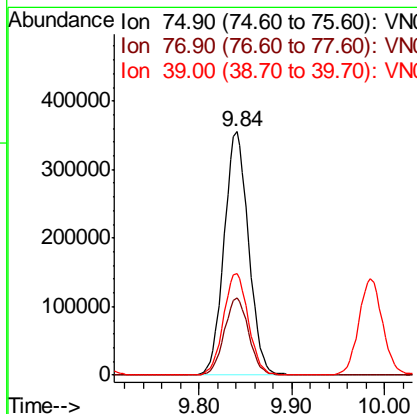
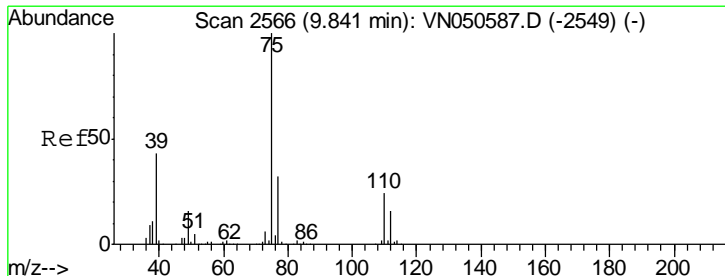
Manual Integrations
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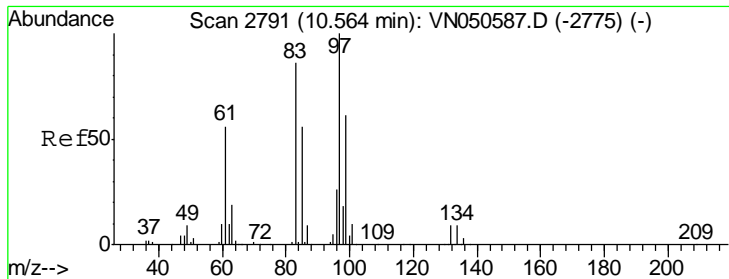
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 51.71 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	41.9	34.4	51.6





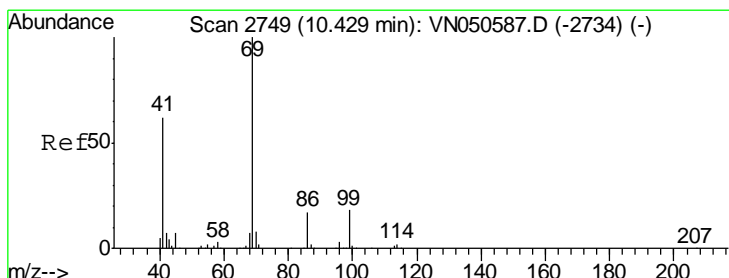
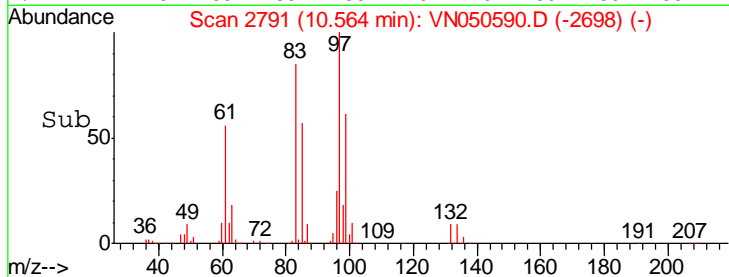
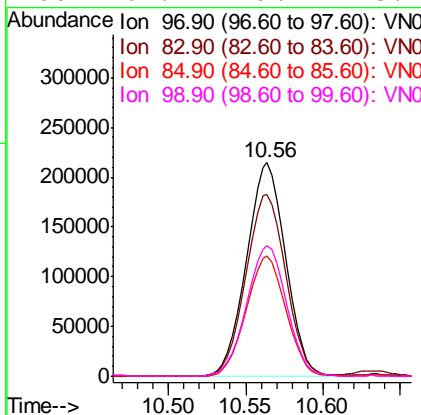
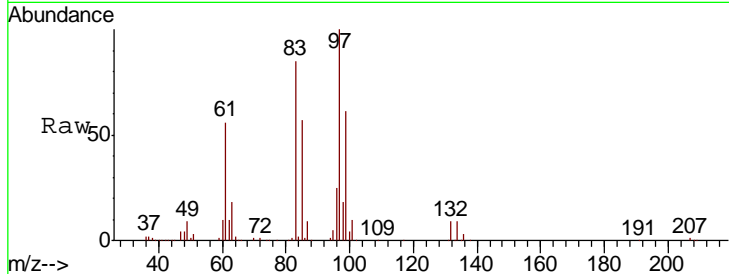
#55
 1,1,2-Trichloroethane
 Concen: 48.39 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
97	378523		
97	100		
83	85.4	68.5	102.7
85	56.6	44.6	66.8
99	61.1	49.1	73.7

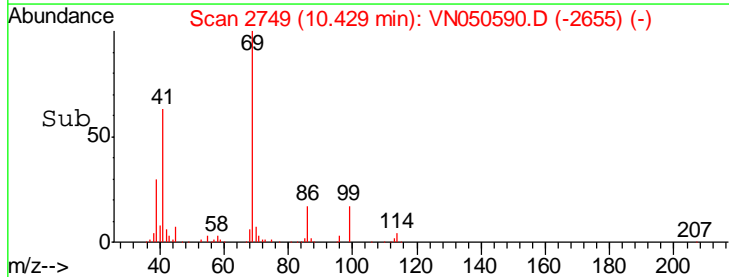
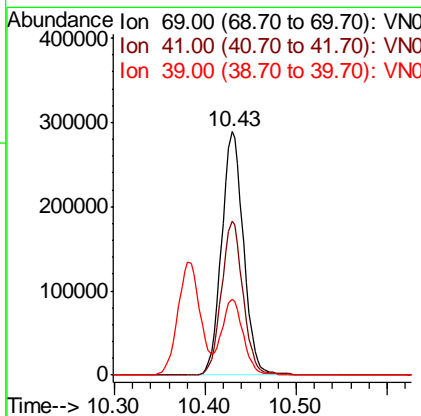
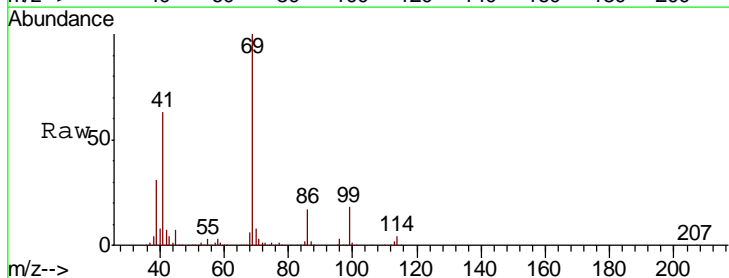
Manual Integrations
 APPROVED

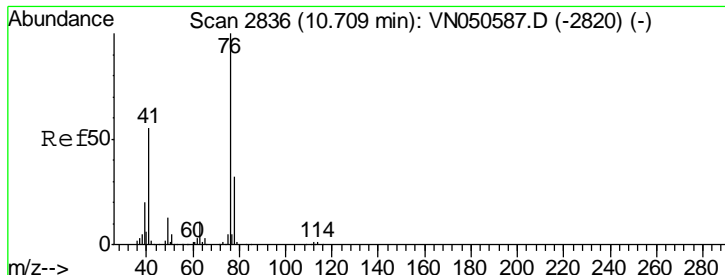
MMDadoda
 8/15/2018 3:21:52 PM



#56
 Ethyl methacrylate
 Concen: 48.44 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
69	482801		
69	100		
41	62.1	49.7	74.5
39	31.0	24.2	36.2





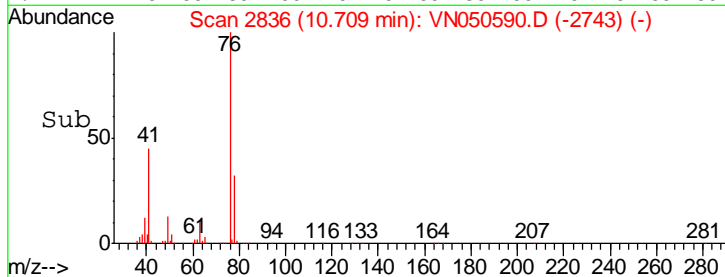
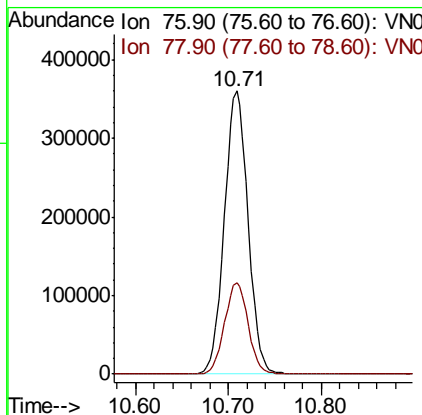
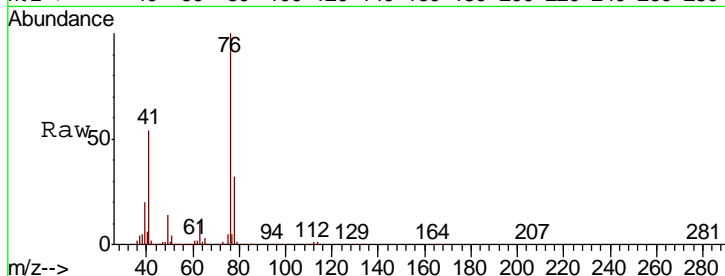
#57
 1,3-Dichloropropane
 Concen: 49.60 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 ClientSampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
76	636170		
76	100		
78	32.3	25.8	38.6

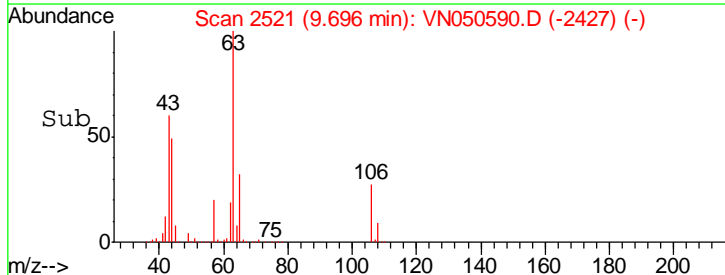
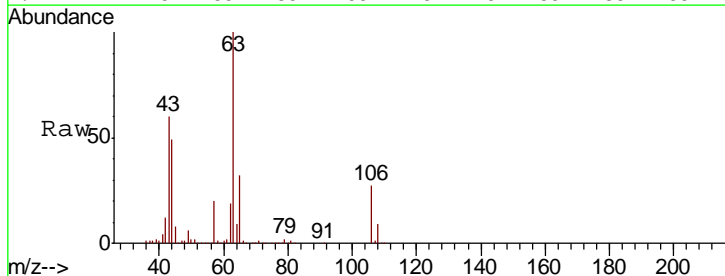
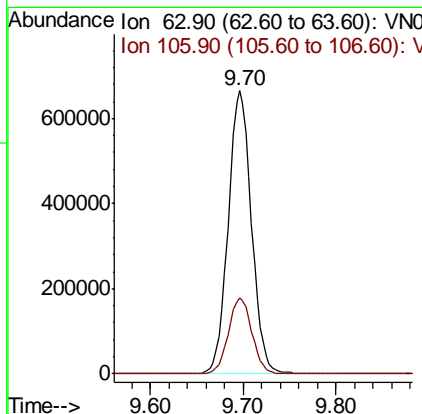
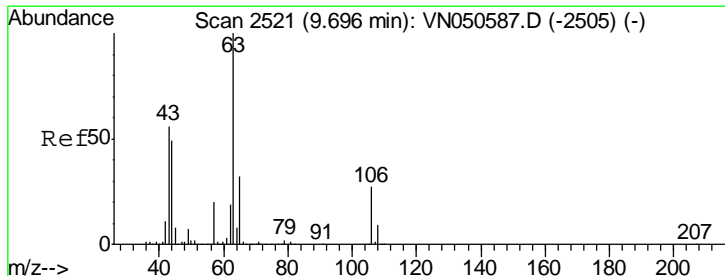
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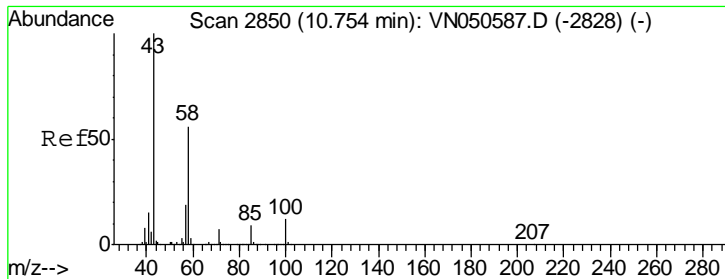
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#58
 2-Chloroethyl Vinyl ether
 Concen: 242.50 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
63	1157623		
63	100		
106	27.2	21.7	32.5





#59
 2-Hexanone
 Concen: 261.54 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

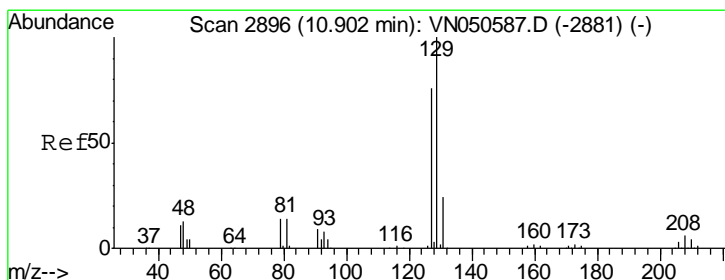
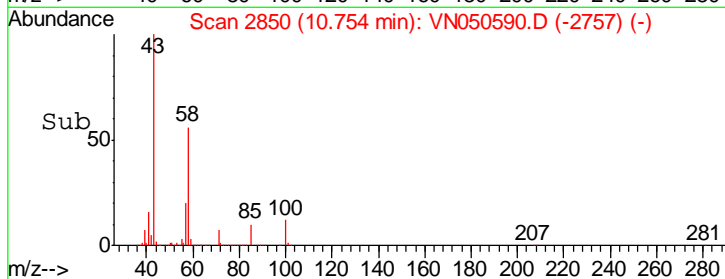
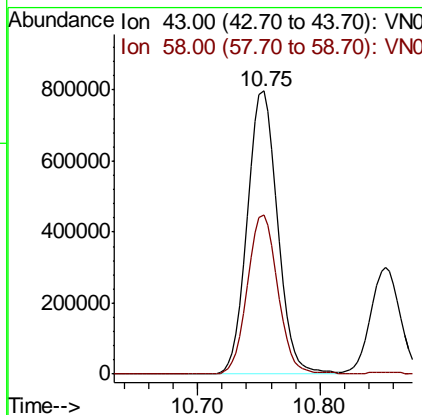
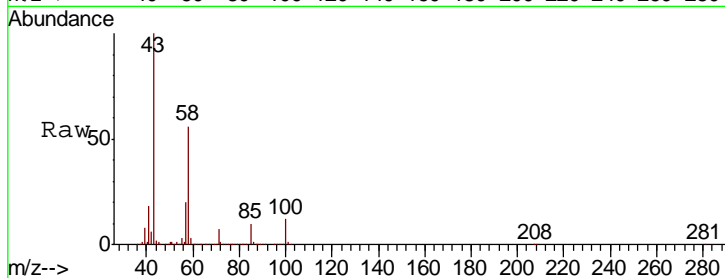
Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion: 43 Resp: 1355784

Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.0	84.0

Manual Integrations
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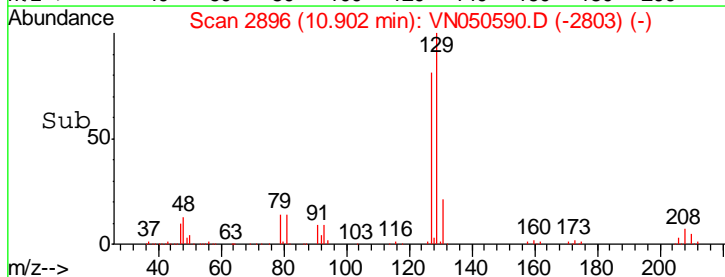
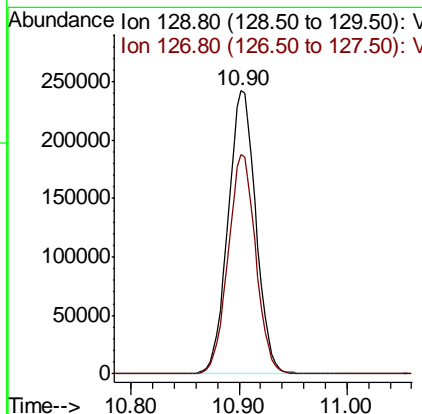
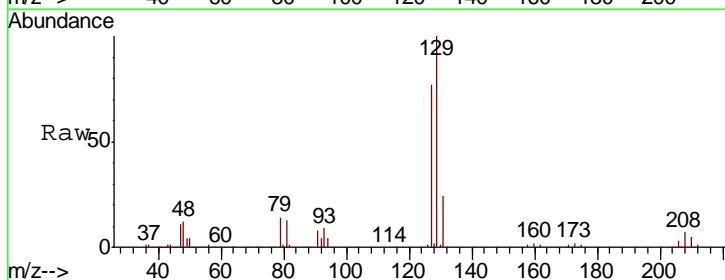
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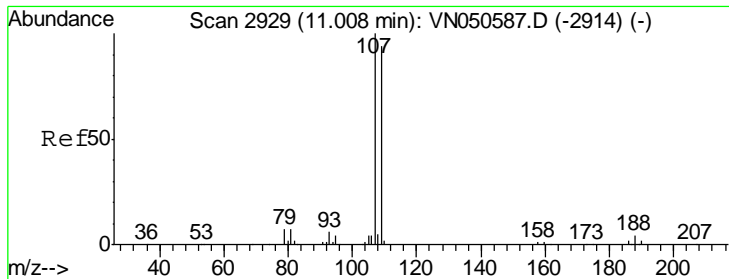


#60
 Dibromochloromethane
 Concen: 50.44 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion: 129 Resp: 435527

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.9	116.7





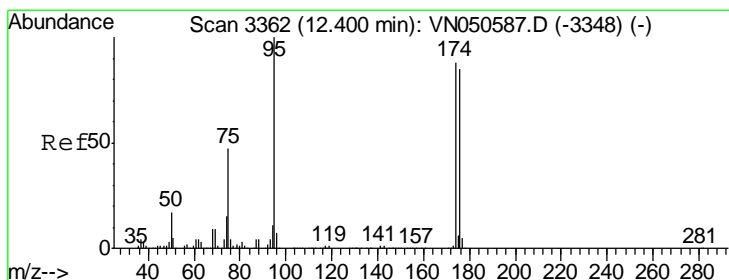
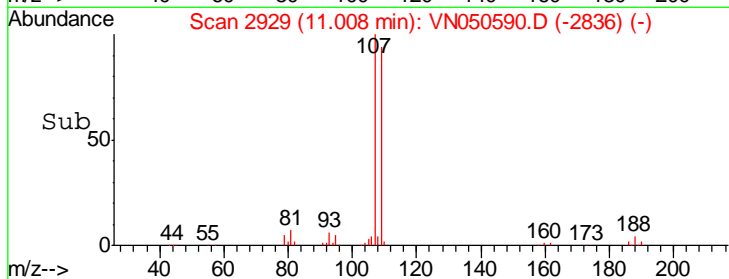
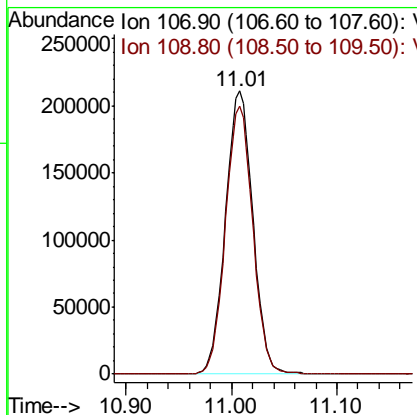
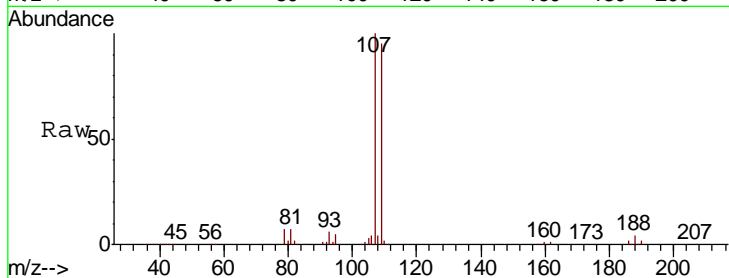
#61
 1,2-Dibromoethane
 Concen: 50.84 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
107	100		
109	94.4	75.7	113.5

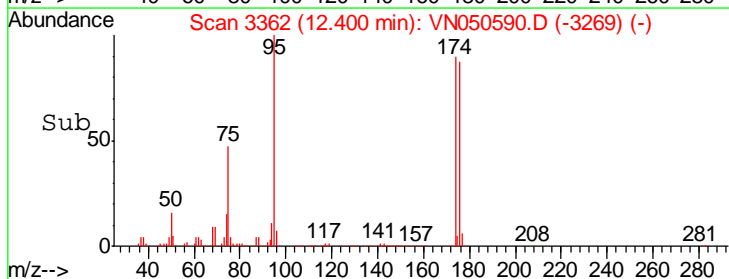
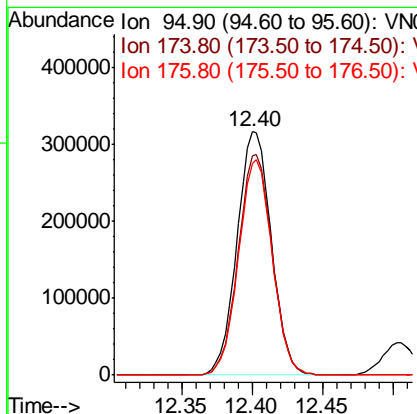
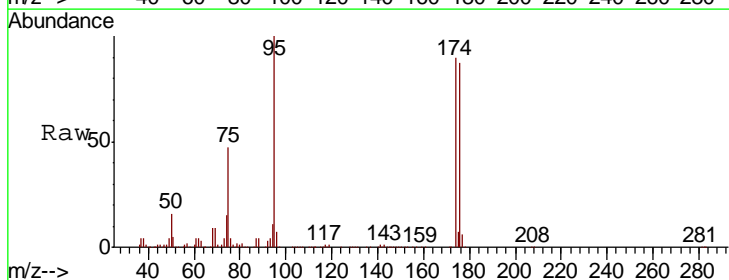
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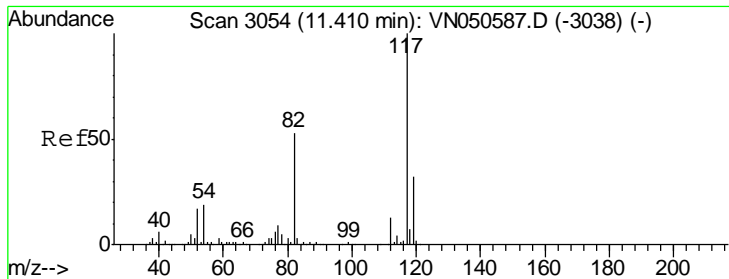
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#62
 4-Bromofluorobenzene
 Concen: 52.39 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
95	100		
174	89.8	0.0	177.8
176	87.0	0.0	175.0





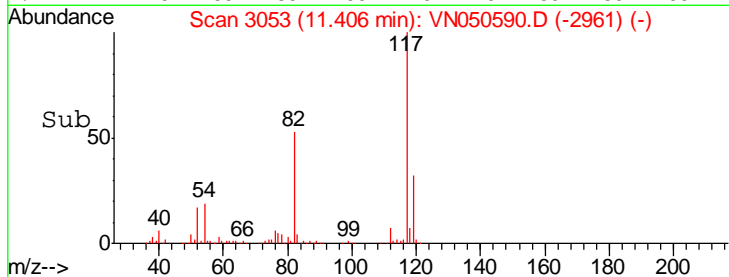
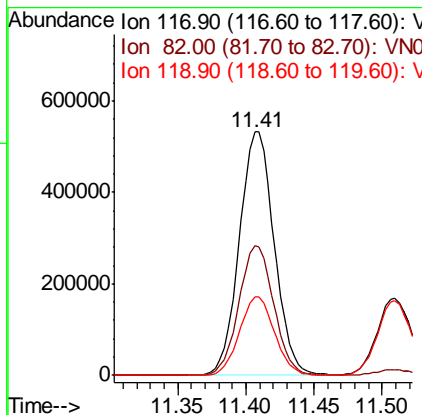
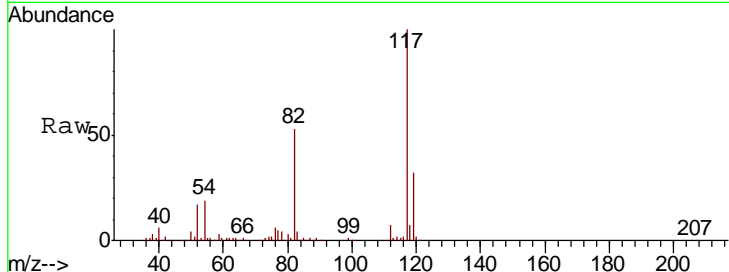
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
117	100		
82	53.4	42.4	63.6
119	32.1	25.8	38.8

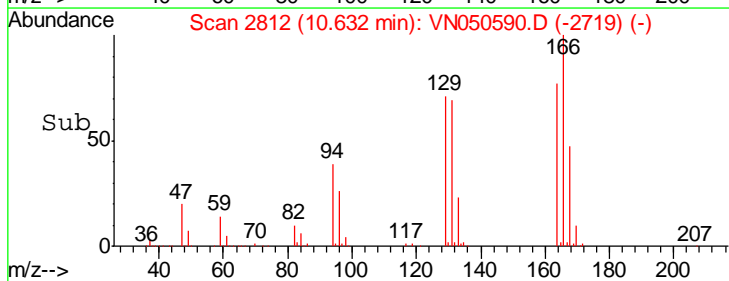
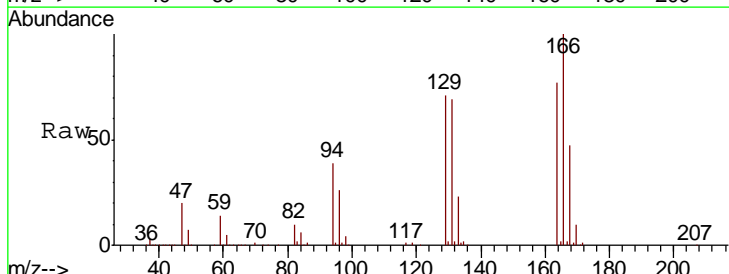
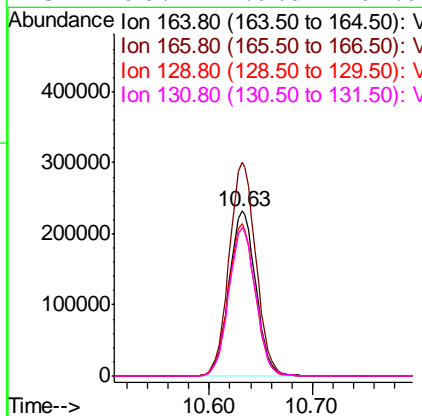
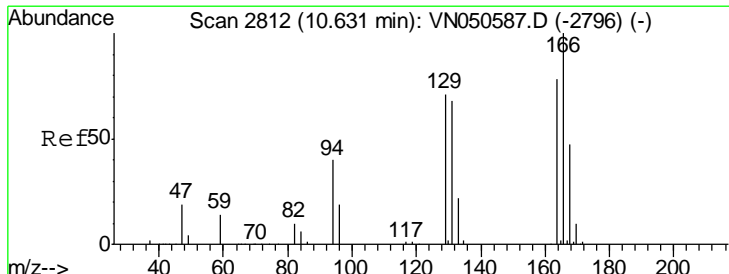
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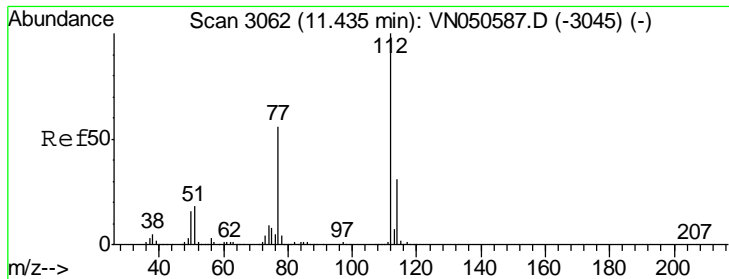
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#64
 Tetrachloroethene
 Concen: 47.80 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
164	100		
166	129.7	102.1	153.1
129	92.4	72.7	109.1
131	90.1	69.9	104.9





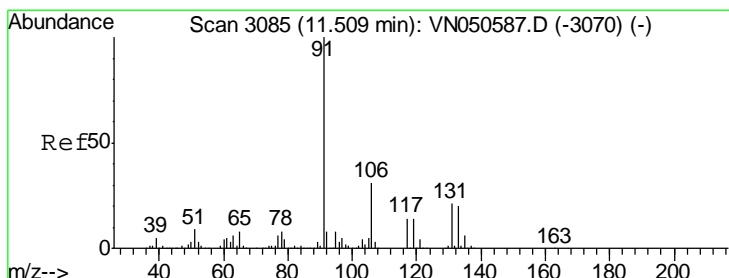
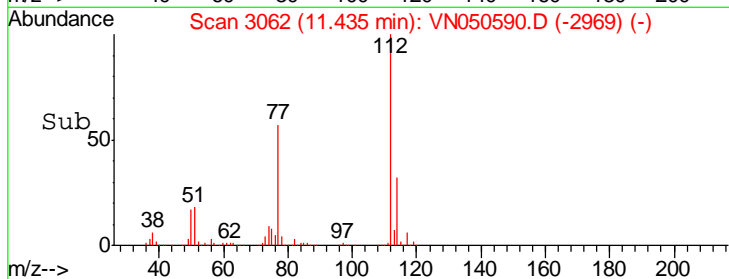
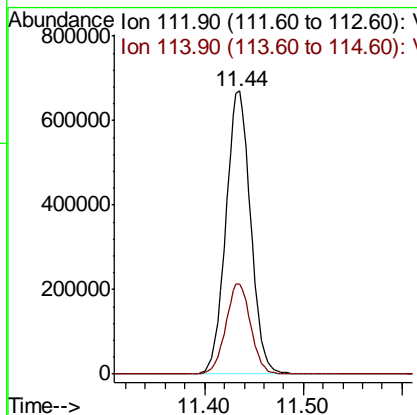
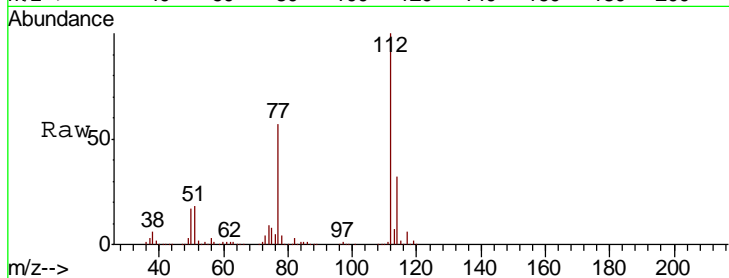
#65
 Chlorobenzene
 Concen: 50.02 ug/l
 RT: 11.44 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
112	1178712		
114	32.1	25.2	37.8

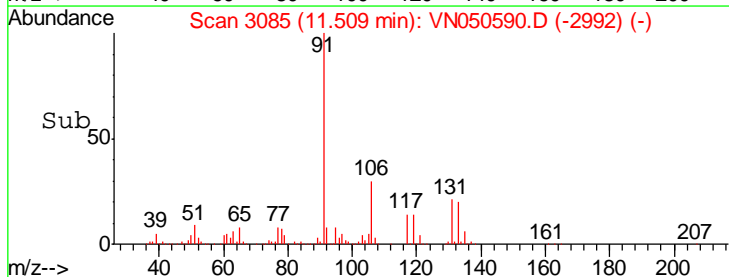
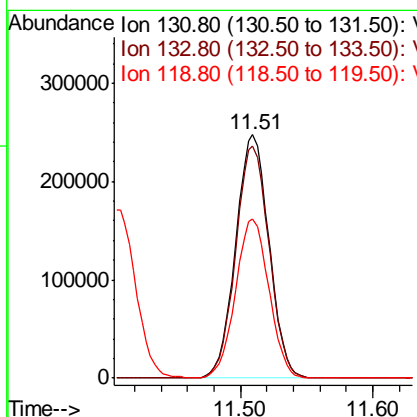
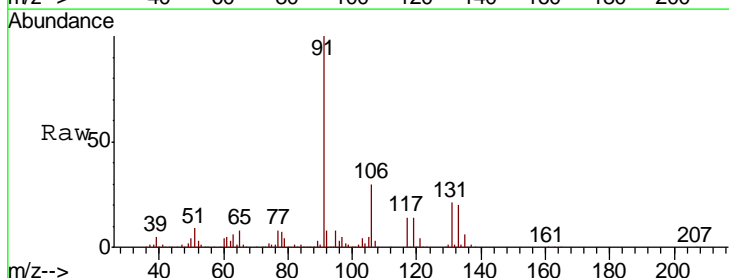
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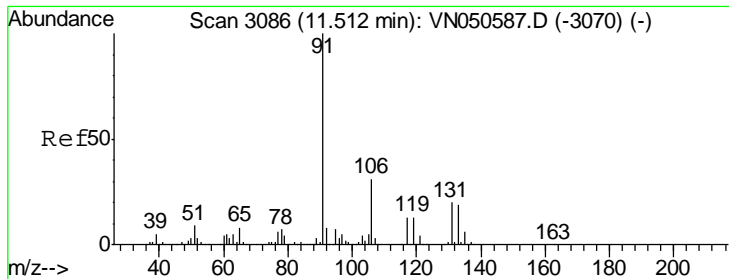
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.82 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
131	431324		
133	96.0	47.6	142.9
119	65.8	33.1	99.3





#67
Ethyl Benzene
Concen: 53.24 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

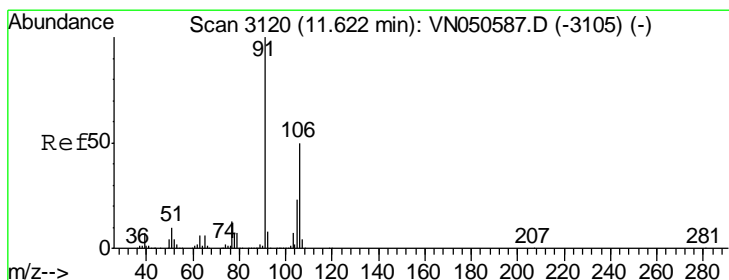
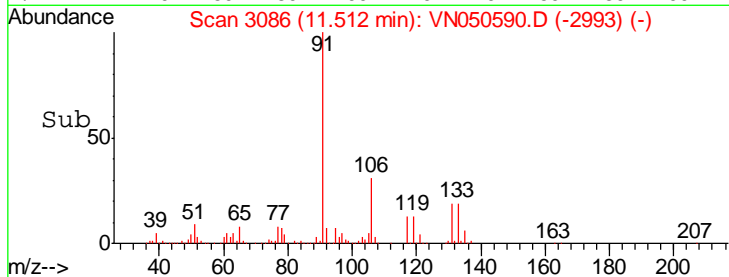
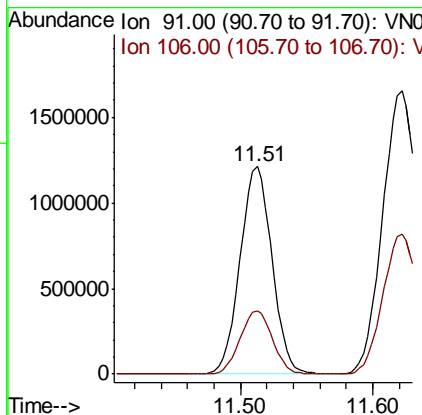
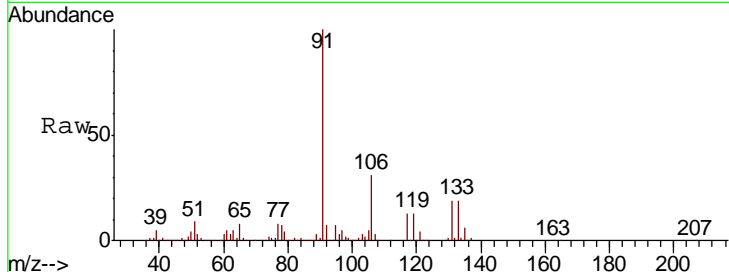
Instrument : MSVOA_N
Client Sampled : ICVVN081418

Tgt Ion: 91 Resp: 2025829

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.8	37.2

Manual Integrations
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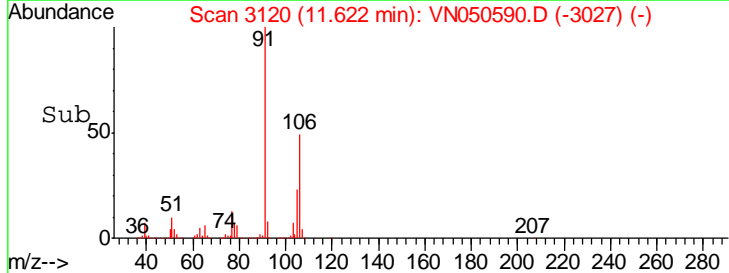
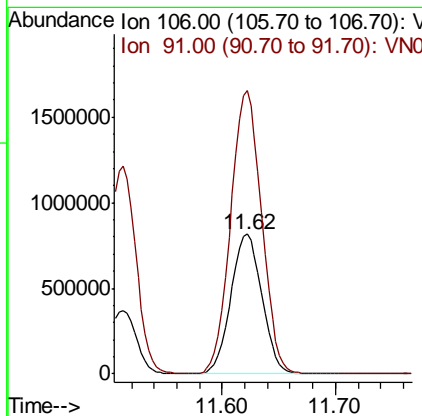
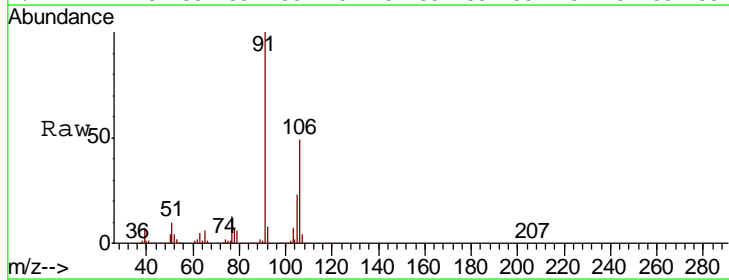
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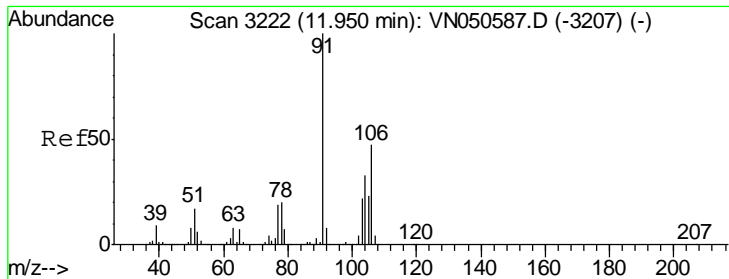


#68
m/p-Xylenes
Concen: 107.22 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050590.D
Acq: 14 Aug 2018 2:13

Tgt Ion: 106 Resp: 1560505

Ion	Ratio	Lower	Upper
106	100		
91	202.1	161.5	242.3





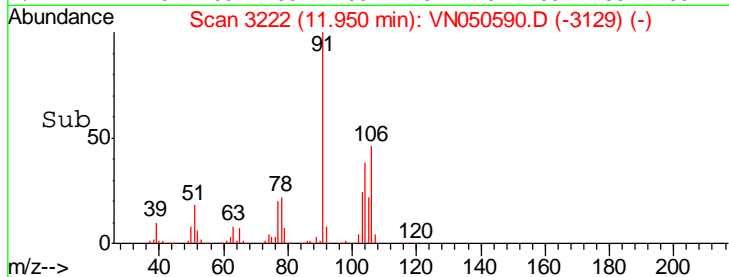
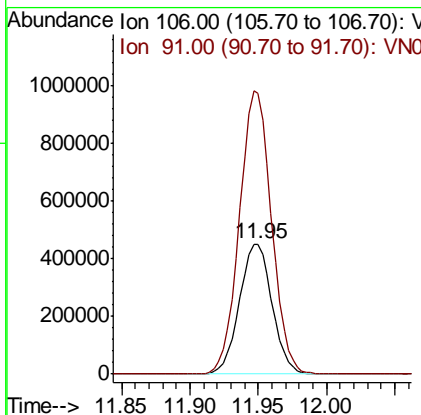
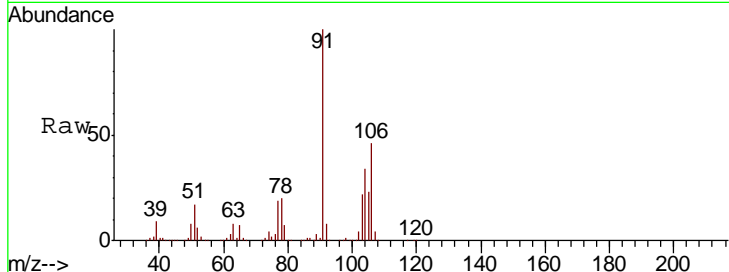
#69
 o-Xylene
 Concen: 53.98 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
106	749157		
106	100		
91	214.0	106.8	320.4

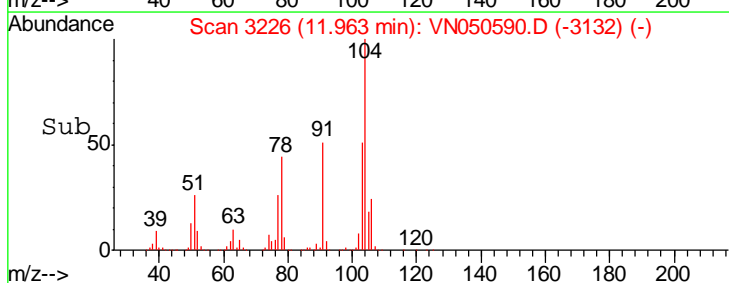
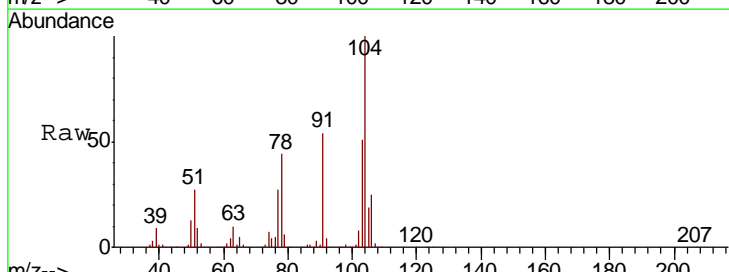
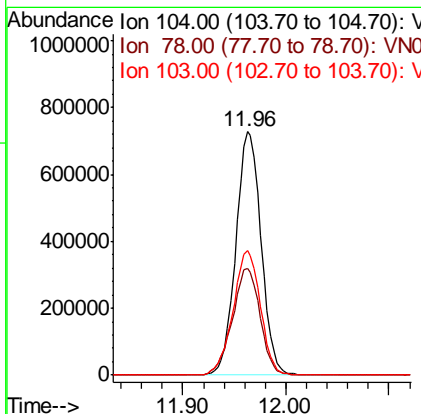
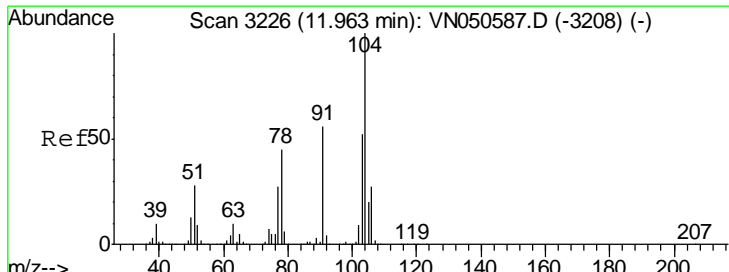
Manual Integrations
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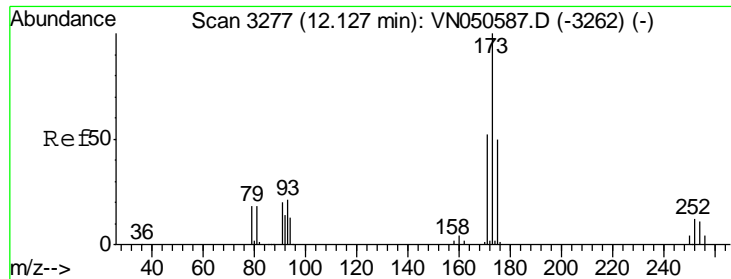
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#70
 Styrene
 Concen: 50.24 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
104	1240103		
104	100		
78	48.1	39.1	58.7
103	55.4	44.9	67.3





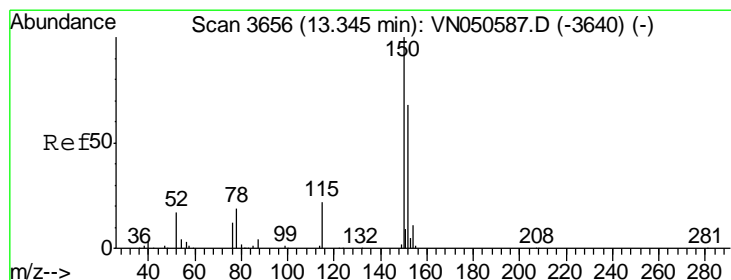
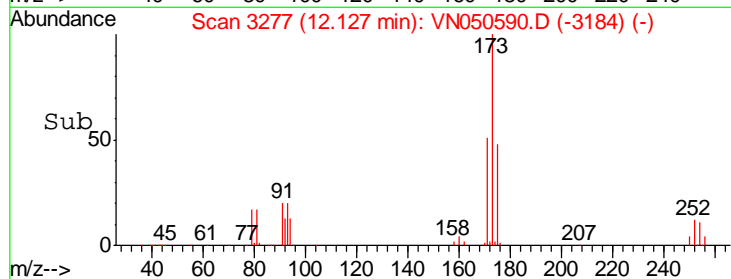
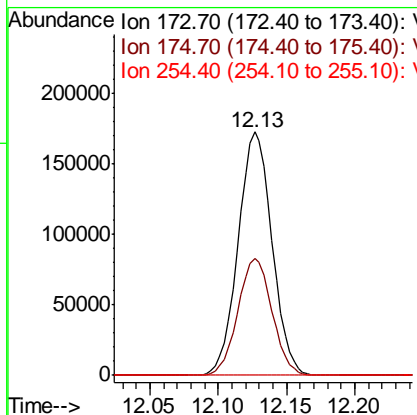
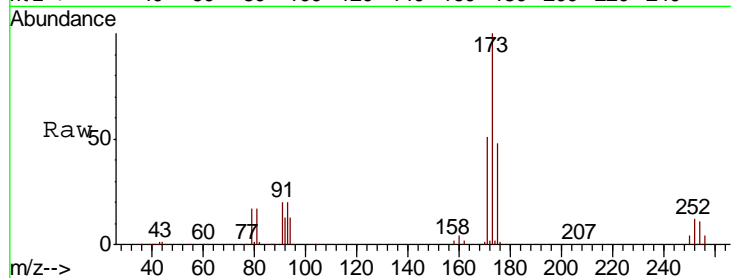
#71
 Bromoform
 Concen: 50.88 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.4	24.4	73.2
254	0.1	0.0	0.0

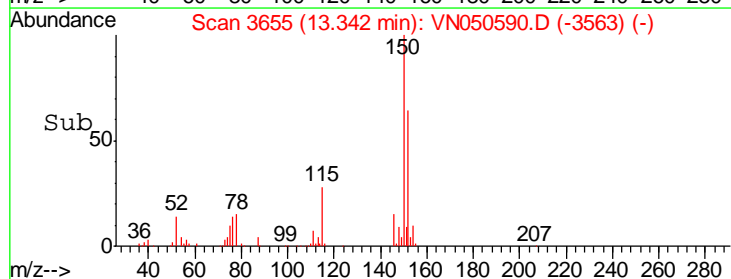
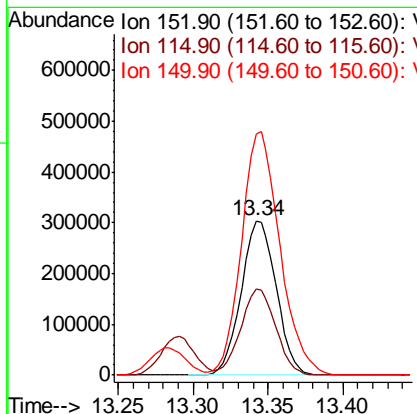
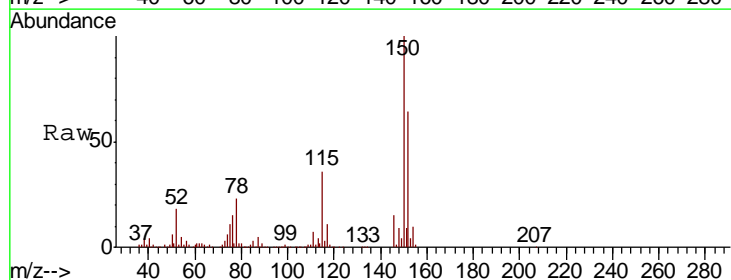
Manual Integrations
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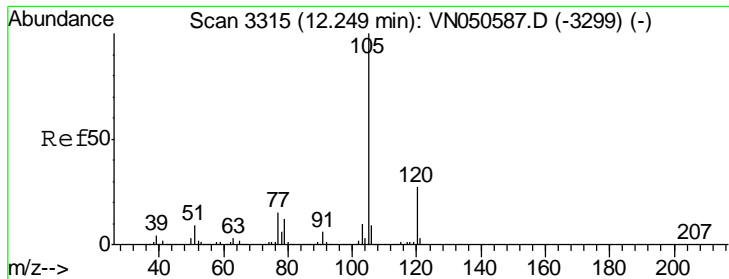
MMDadoda
 8/15/2018 3:21:52 PM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.9	28.1	84.2
150	172.9	0.0	347.8





#73
 Isopropylbenzene
 Concen: 51.46 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

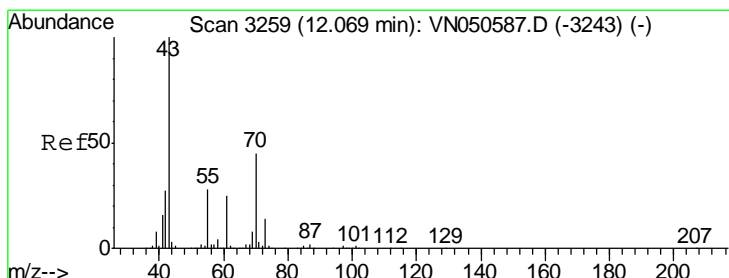
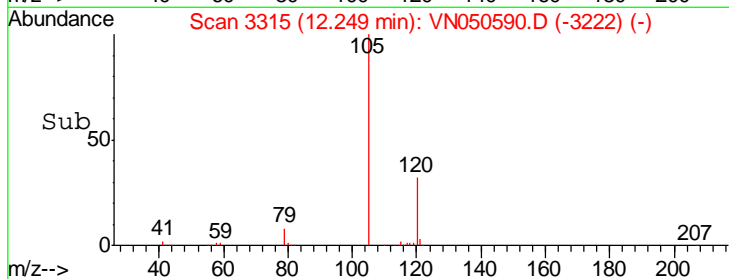
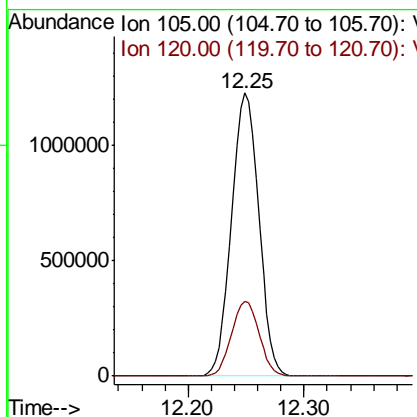
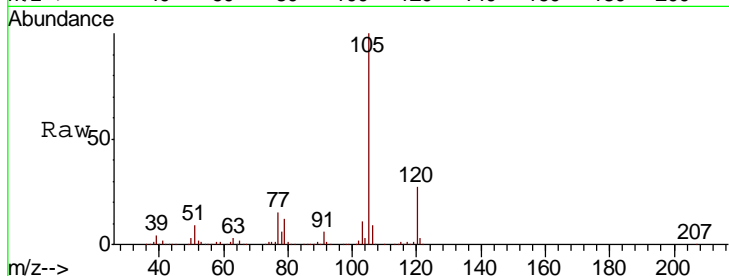
Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion: 105 Resp: 1988649

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1

Manual Integrations
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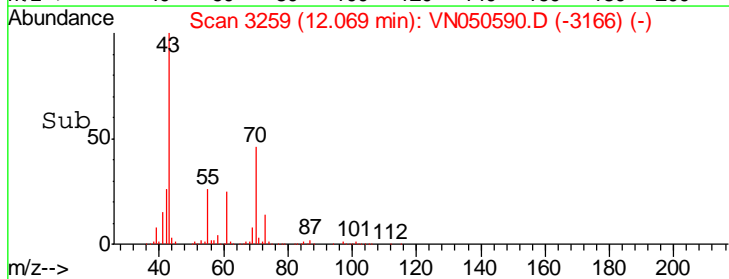
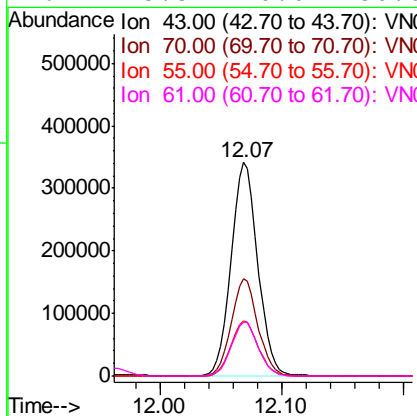
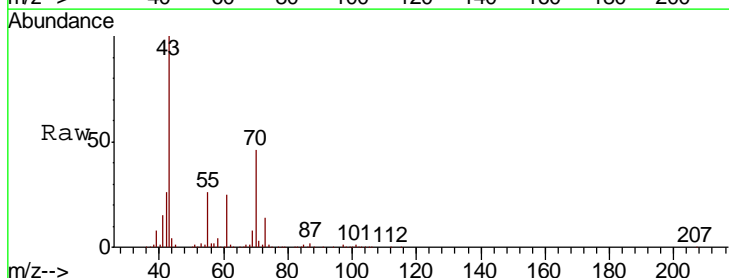
MMDadoda
 8/15/2018 3:21:52 PM

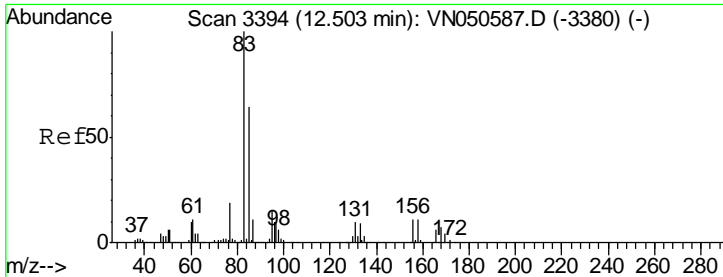


#74
 N-amyl acetate
 Concen: 51.65 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion: 43 Resp: 519294

Ion	Ratio	Lower	Upper
43	100		
70	45.6	35.9	53.9
55	26.4	22.2	33.4
61	25.5	20.0	30.0





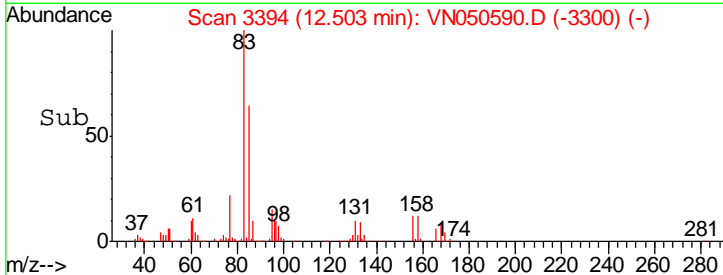
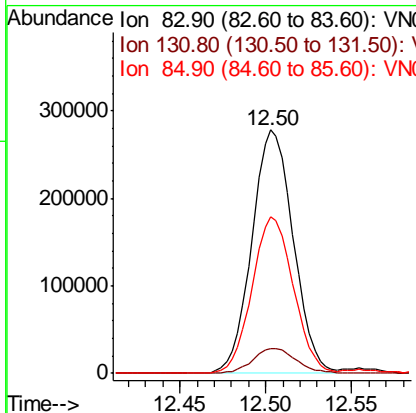
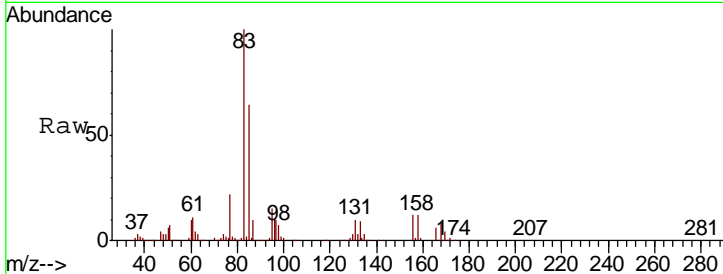
#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.77 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
83	463732		
83	100		
131	10.7	5.3	15.9
85	64.3	32.1	96.5

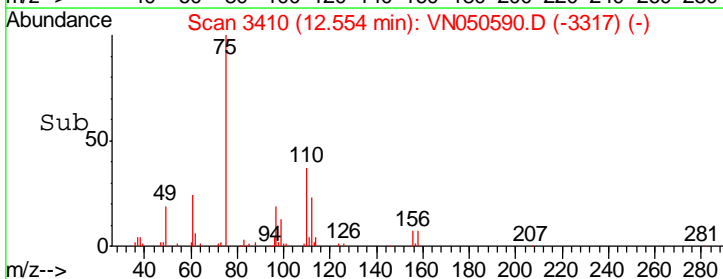
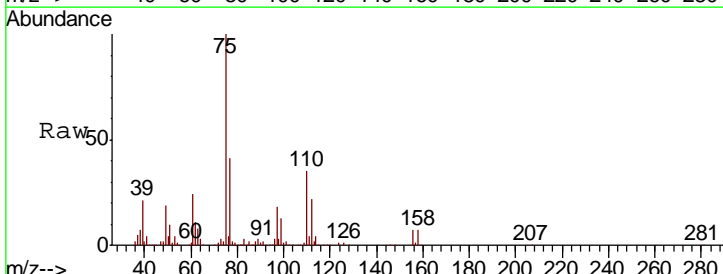
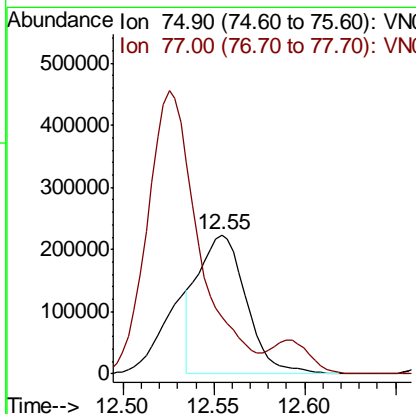
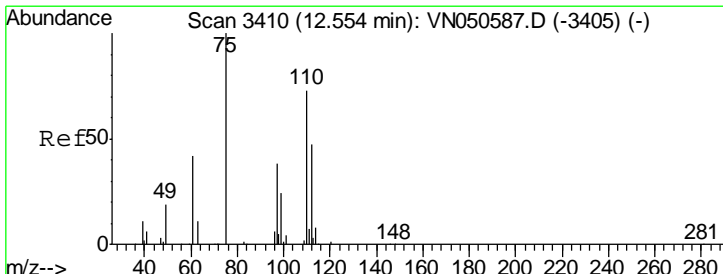
Manual Integrations
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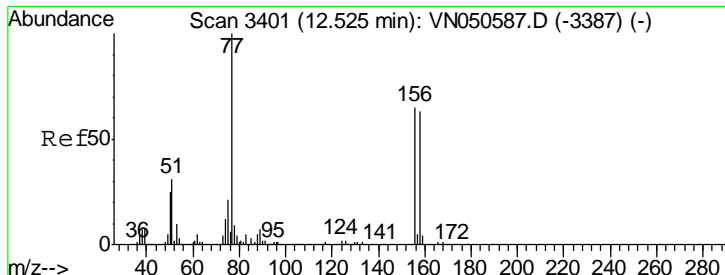
MMDadoda
 8/15/2018 3:21:52 PM



#76
 1,2,3-Trichloropropane
 Concen: 51.46 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
75	410980		
75	100		
77	0.0	0.0	0.0





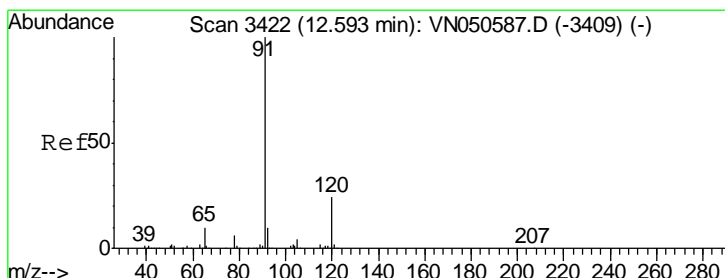
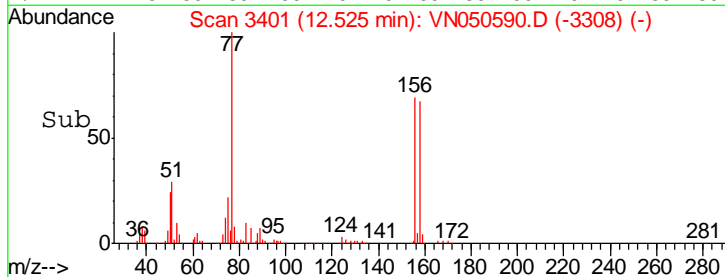
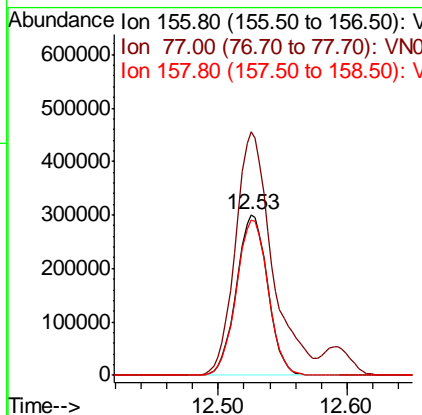
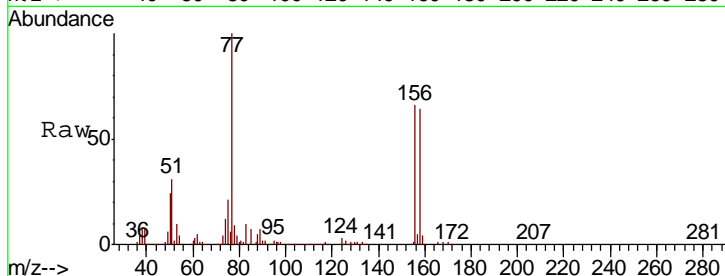
#77
 Bromobenzene
 Concen: 48.40 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
156	507821		
77	178.5	89.0	267.1
158	98.0	48.5	145.6

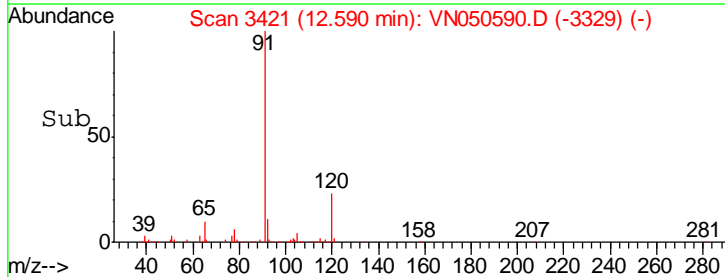
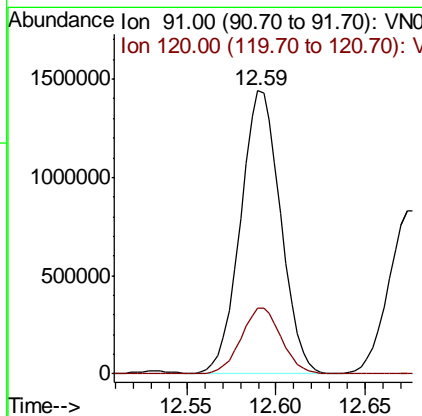
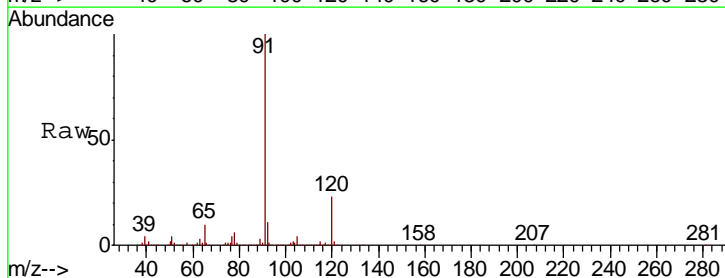
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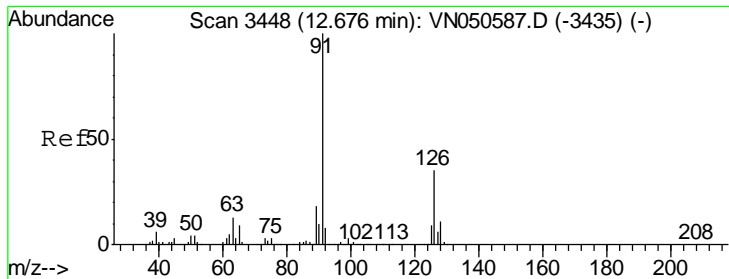
MMDadoda
 8/15/2018 3:21:52 PM



#78
 n-propylbenzene
 Concen: 52.42 ug/l
 RT: 12.59 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
91	2258868		
120	23.3	11.8	35.4





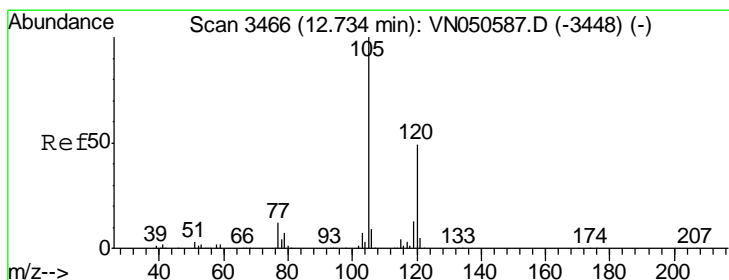
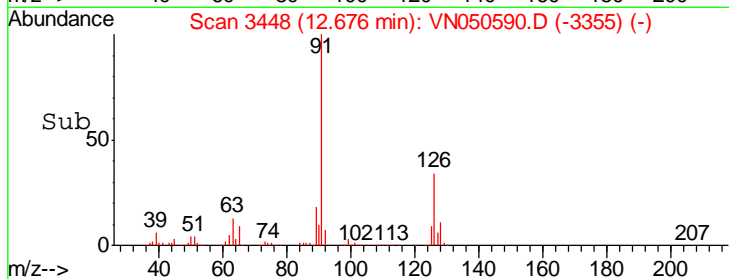
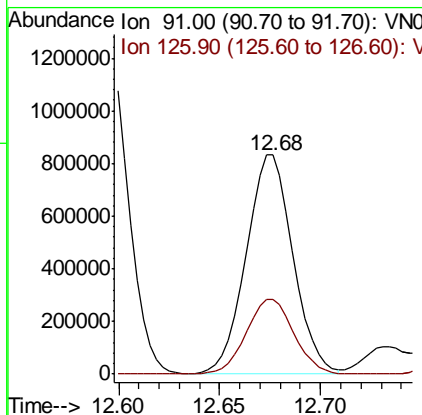
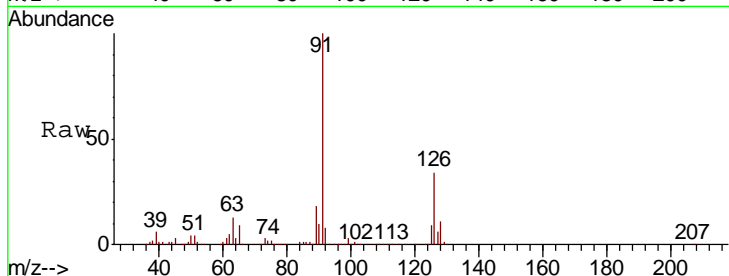
#79
 2-Chlorotoluene
 Concen: 50.19 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
91	1348415	100	
126	35.2	17.6	52.8

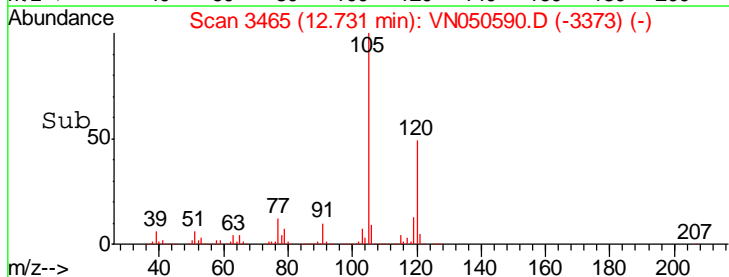
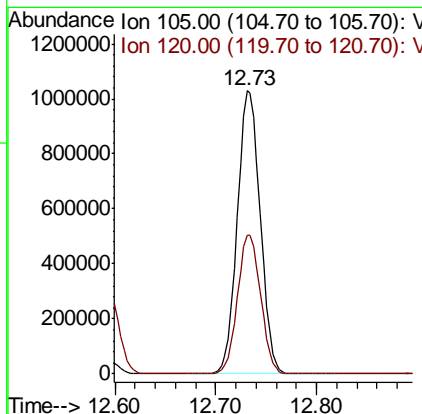
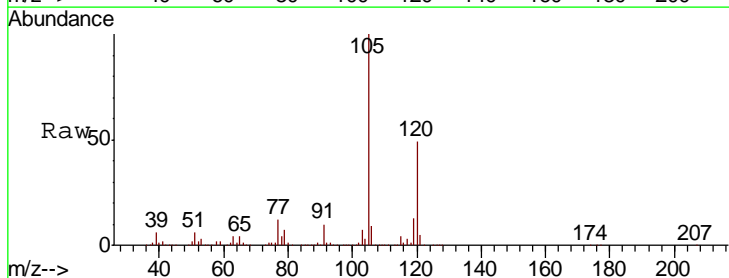
Manual Integrations
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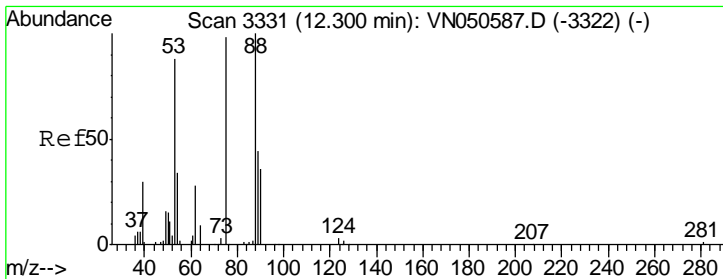
MMDadoda
 8/15/2018 3:21:52 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.27 ug/l
 RT: 12.73 min Scan# 3465
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
105	1617221	100	
120	49.6	24.7	74.1





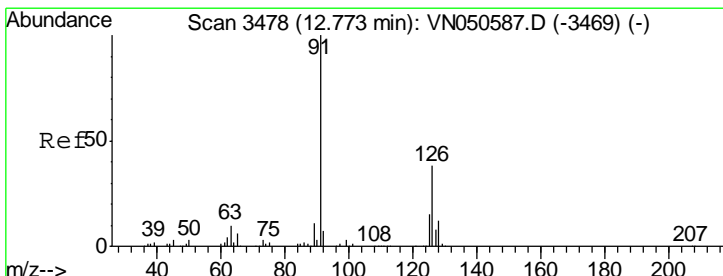
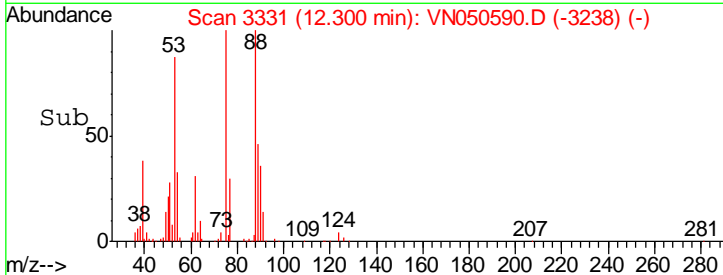
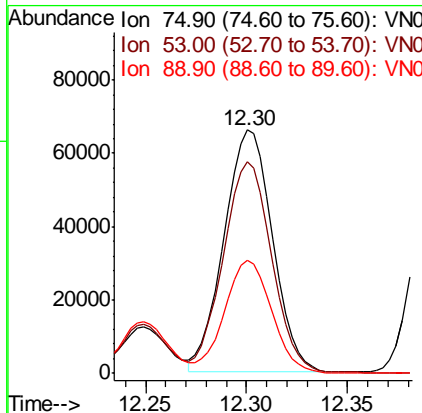
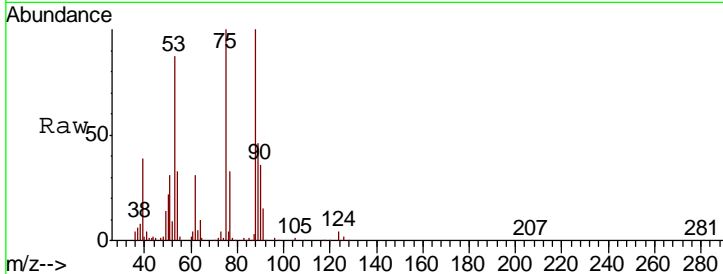
#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.04 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
75	111316		
75	100		
53	87.3	72.2	108.2
89	45.2	36.3	54.5

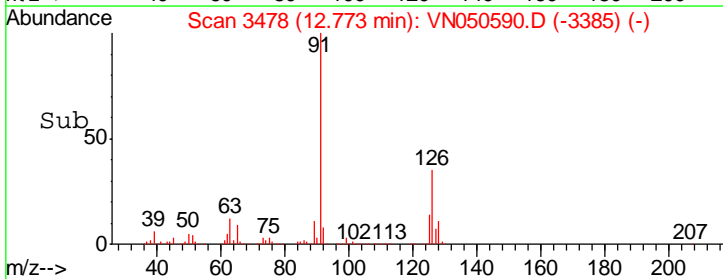
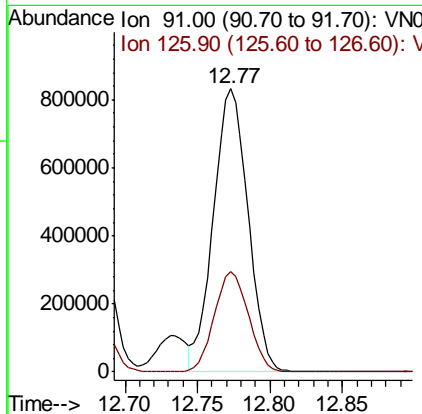
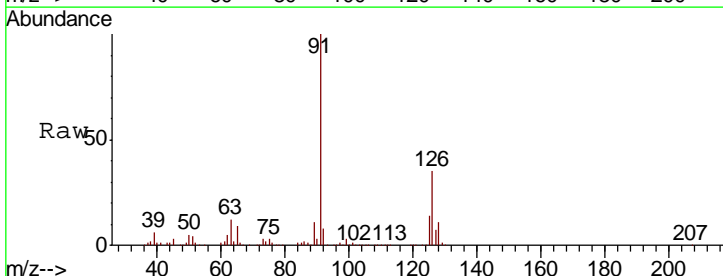
Manual Integrations
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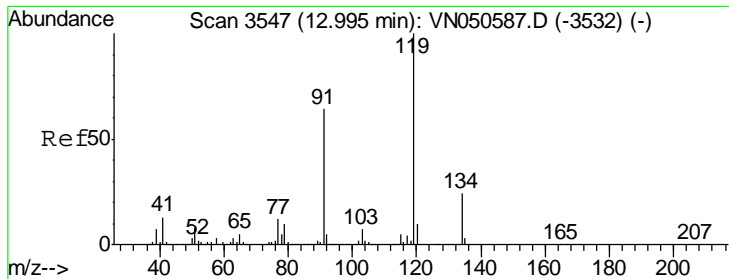
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 8/15/2018 3:21:52 PM



#82
 4-Chlorotoluene
 Concen: 51.75 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
91	1373986		
91	100		
126	35.0	17.3	52.0





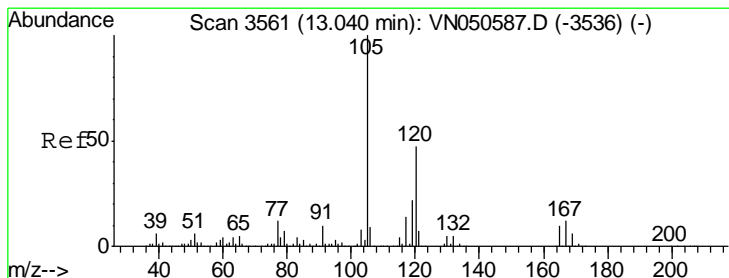
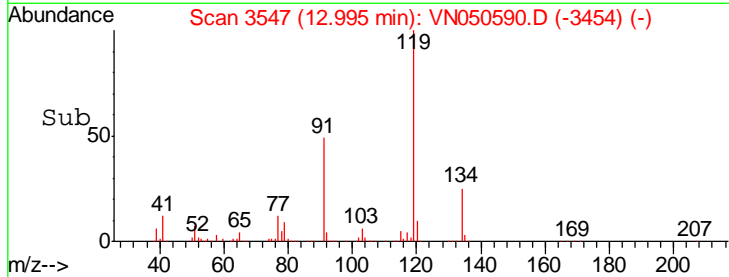
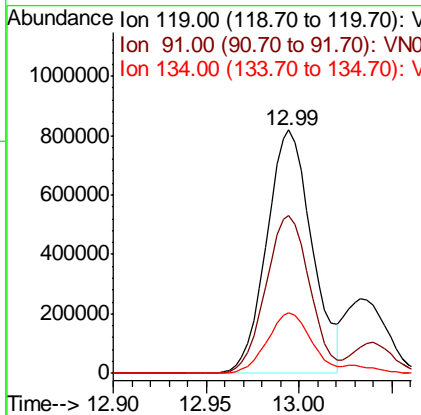
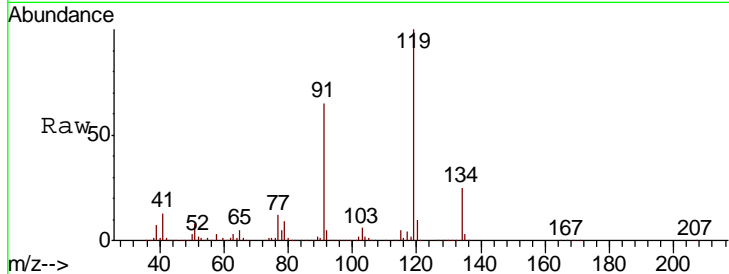
#83
 tert-Butylbenzene
 Concen: 52.00 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
119	1396484		
91	62.8	32.2	96.6
134	24.4	13.4	40.2

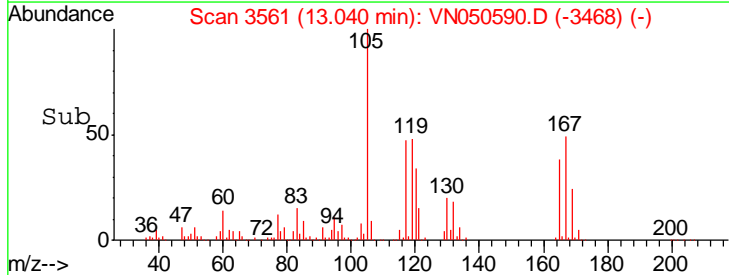
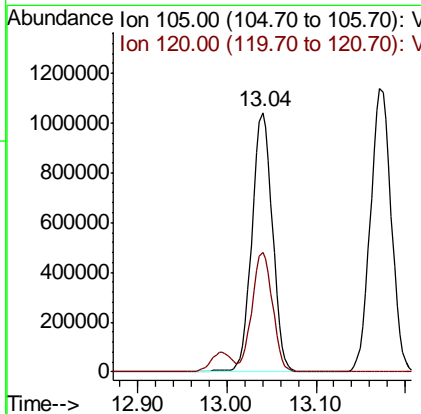
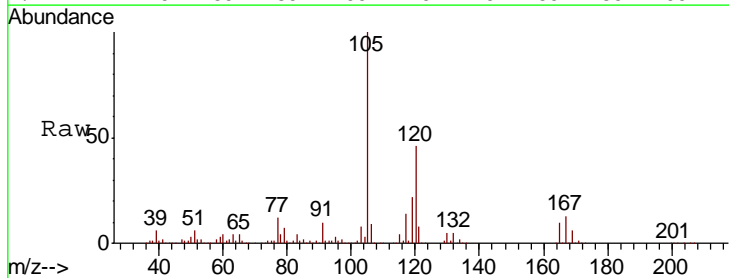
Manual Integrations
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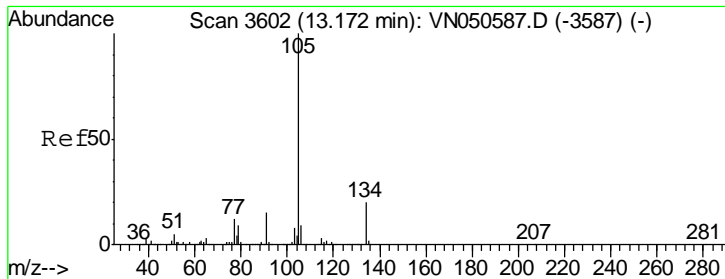
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 8/15/2018 3:21:52 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.48 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
105	1660794		
120	46.2	23.2	69.5





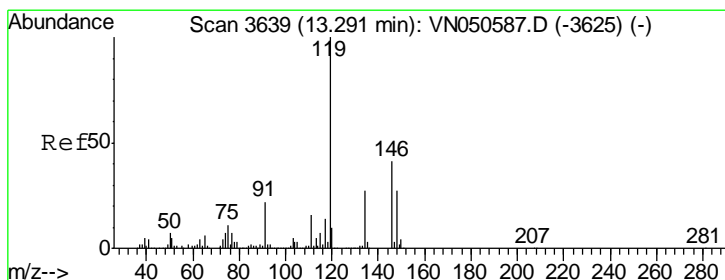
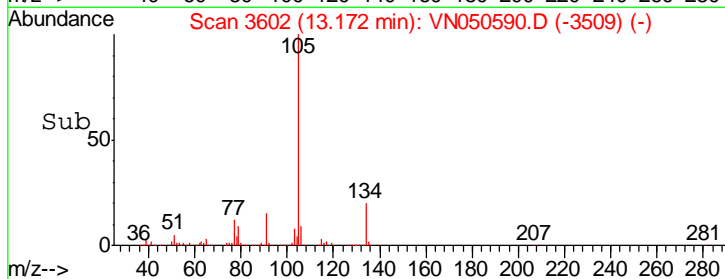
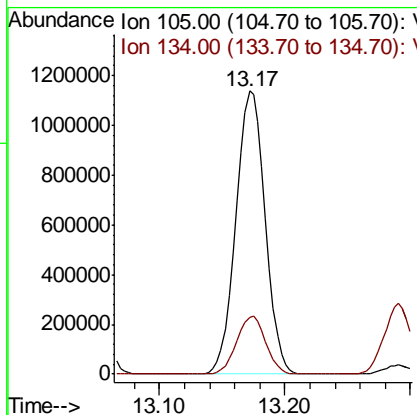
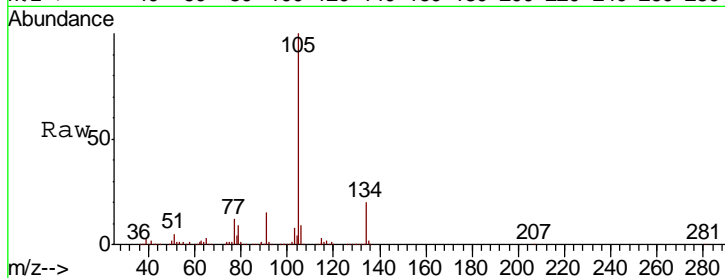
#85
 sec-Butylbenzene
 Concen: 52.34 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
105	1837115		
134	20.4	10.1	30.3

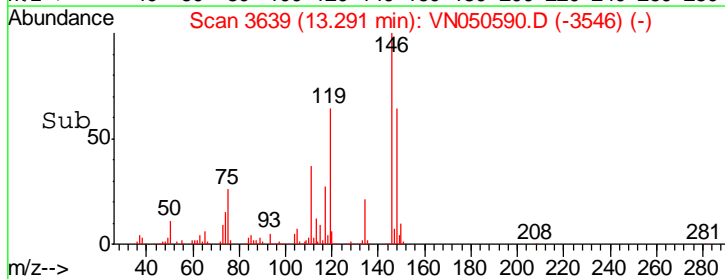
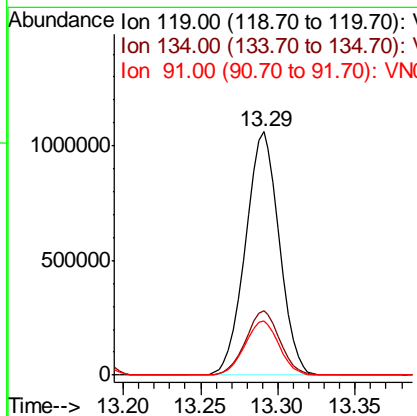
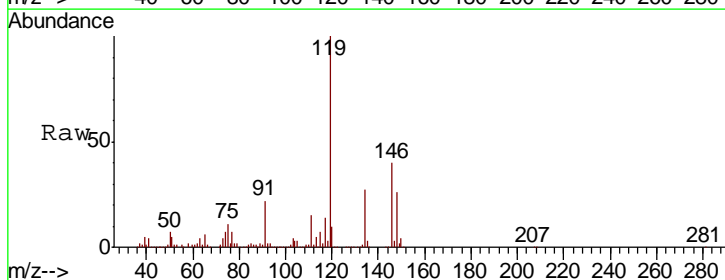
Manual Integrations
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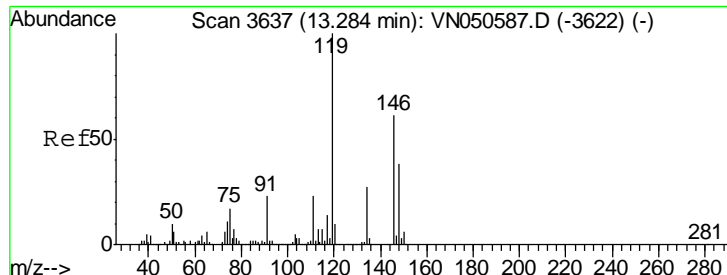
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#86
 p-Isopropyltoluene
 Concen: 54.21 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
119	1612075		
134	26.5	13.5	40.4
91	22.4	11.2	33.6





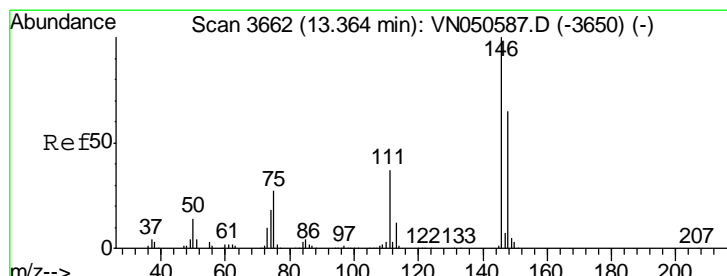
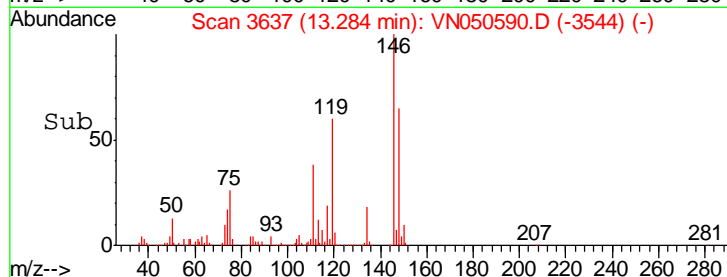
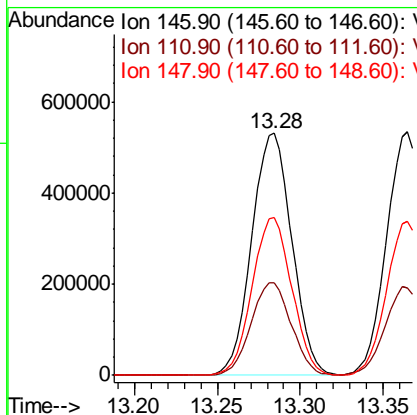
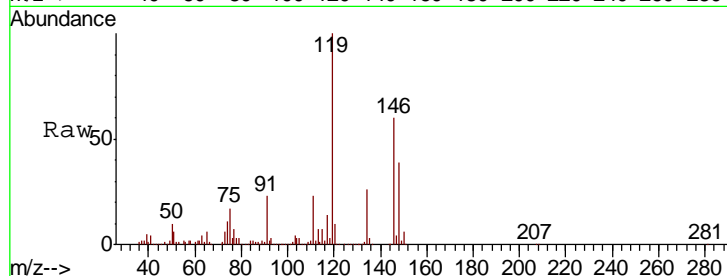
#87
 1,3-Dichlorobenzene
 Concen: 49.98 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN081418

Tgt Ion	Resp	Lower	Upper
146	892654		
146	100		
111	38.3	19.2	57.6
148	64.5	31.9	95.7

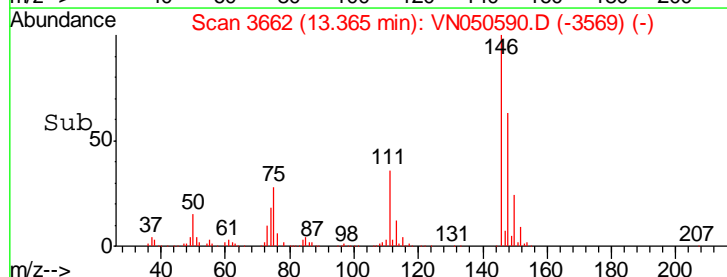
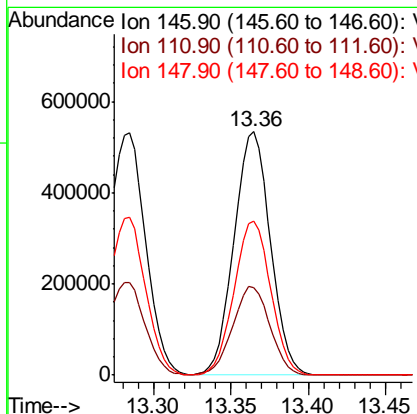
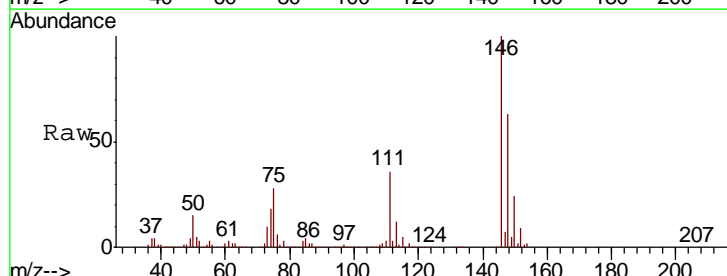
Manual Integrations
 APPROVED

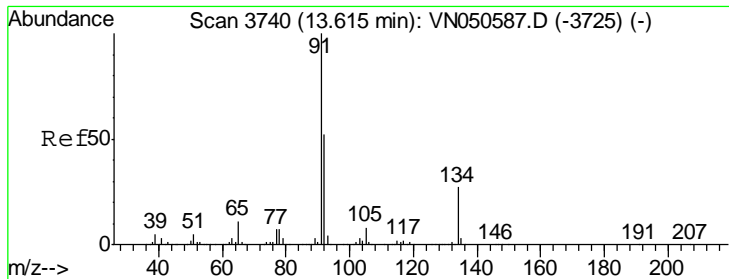
MMDadoda
 8/15/2018 3:21:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.19 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
146	871943		
146	100		
111	37.2	18.8	56.4
148	63.8	32.3	96.8





#89
 n-Butylbenzene
 Concen: 53.71 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

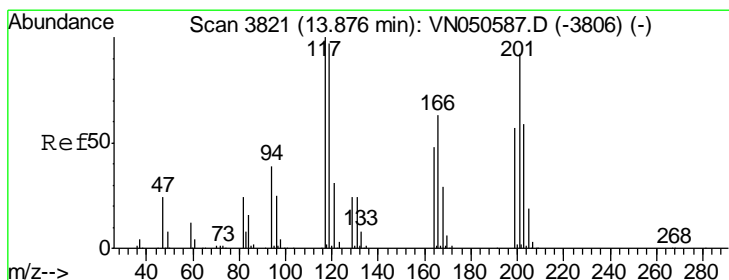
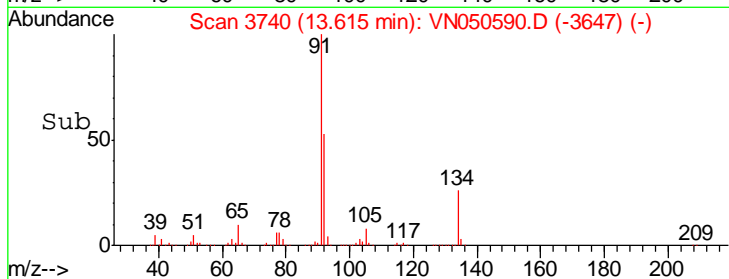
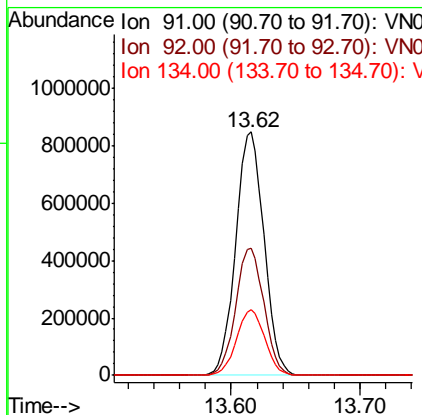
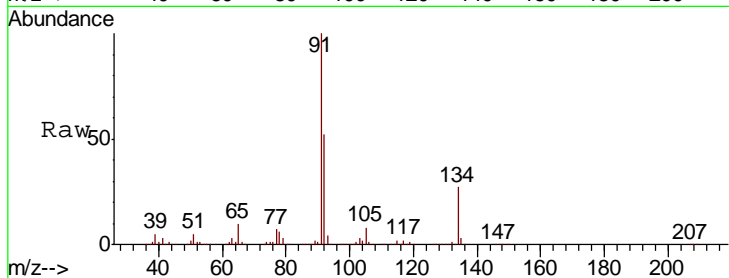
Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion: 91 Resp: 1289745

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	26.8	13.3	39.9

Manual Integrations
 APPROVED

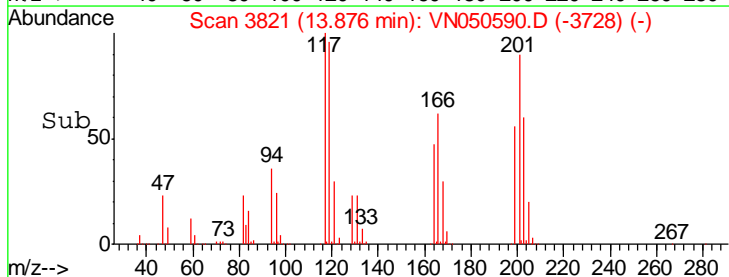
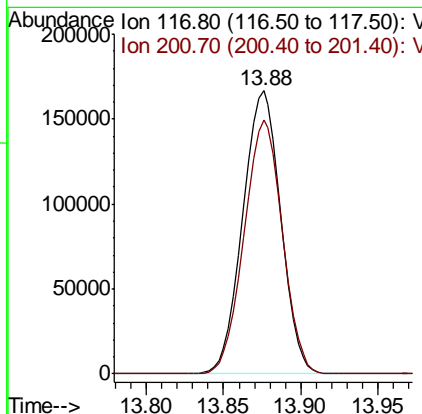
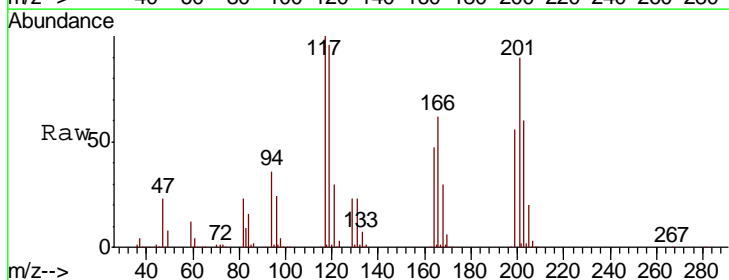
MMDadoda
 8/15/2018 3:21:52 PM

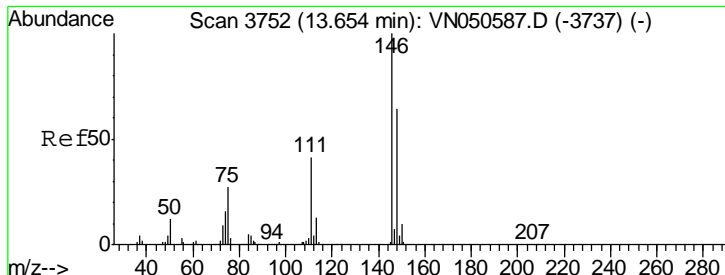


#90
 Hexachloroethane
 Concen: 47.63 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion: 117 Resp: 284856

Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.5	136.5





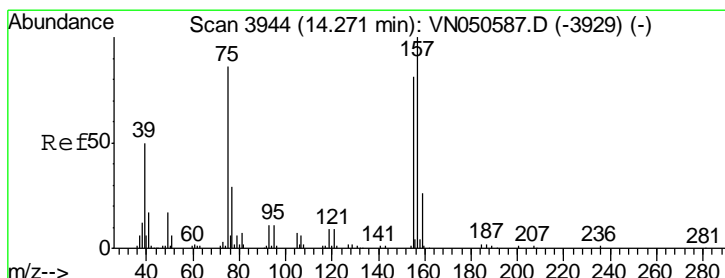
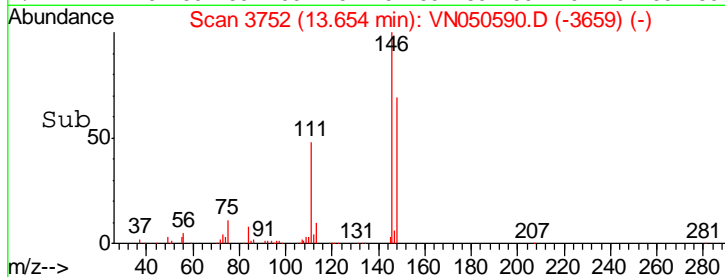
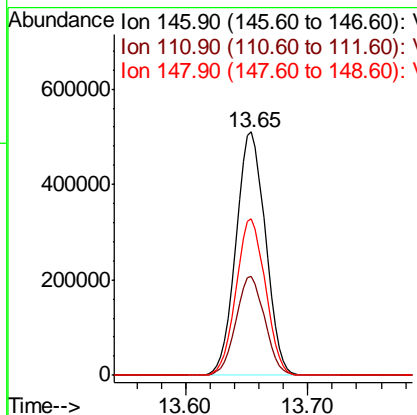
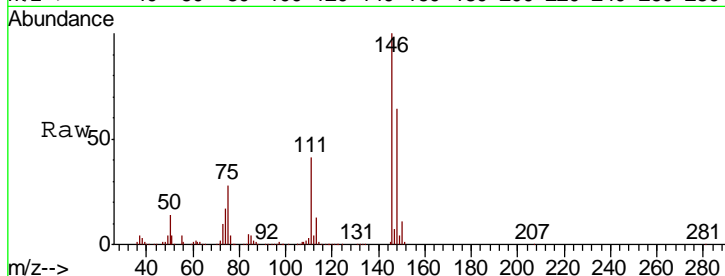
#91
 1,2-Dichlorobenzene
 Concen: 48.73 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
146	100		
111	39.9	19.8	59.4
148	64.1	32.3	96.8

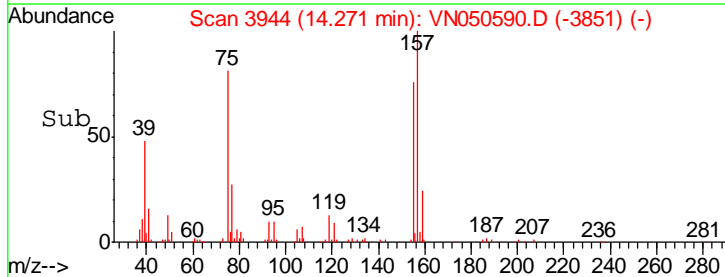
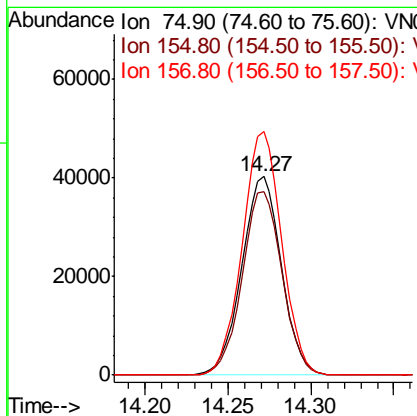
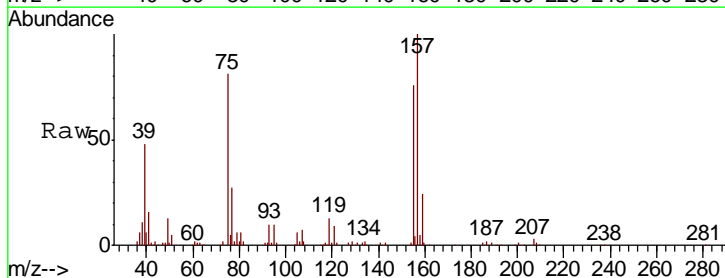
Manual Integrations
APPROVED

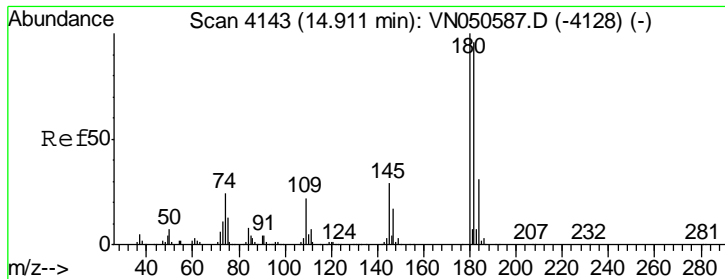
MMDadoda
 8/15/2018 3:21:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.55 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
75	100		
155	92.9	46.6	139.8
157	121.7	58.1	174.2





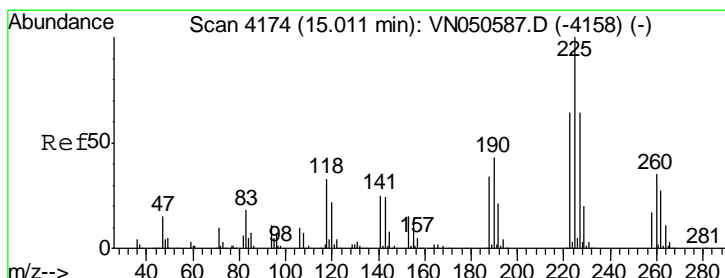
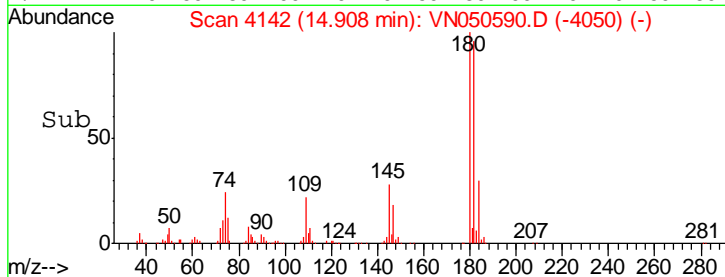
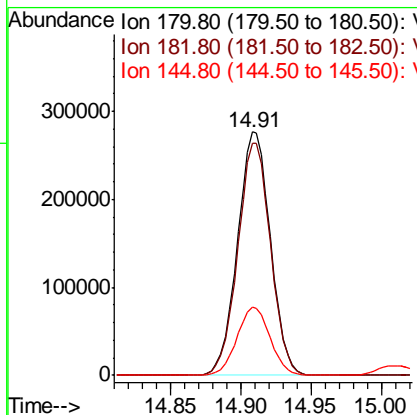
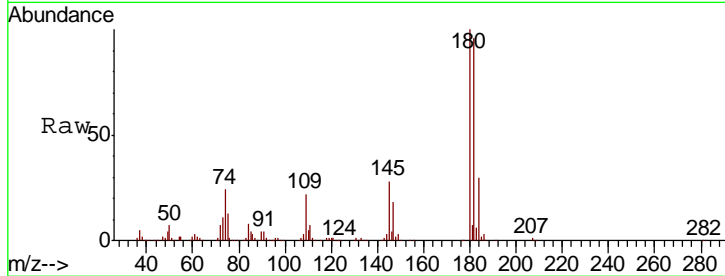
#93
 1,2,4-Trichlorobenzene
 Concen: 50.52 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	28.1	14.4	43.4

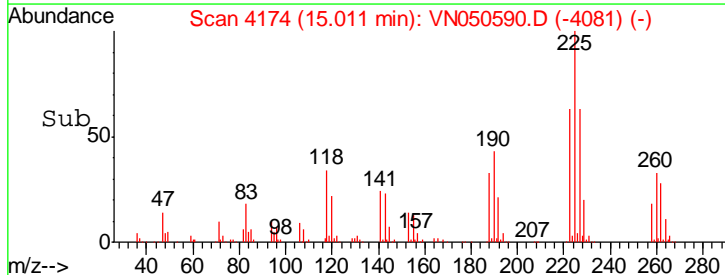
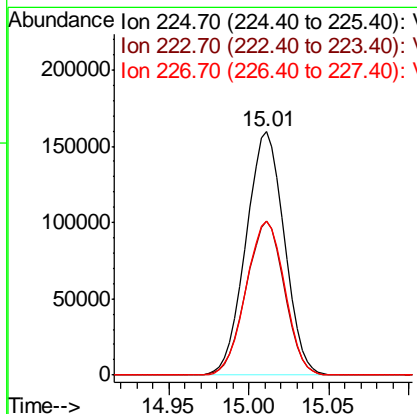
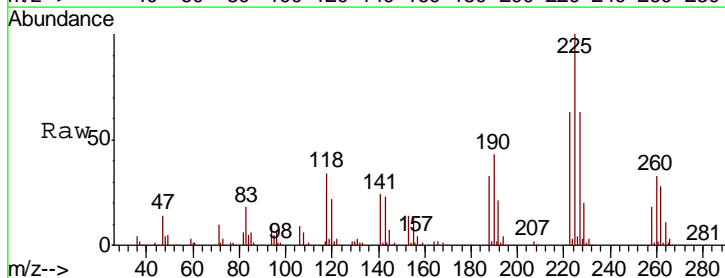
Manual Integrations
 APPROVED

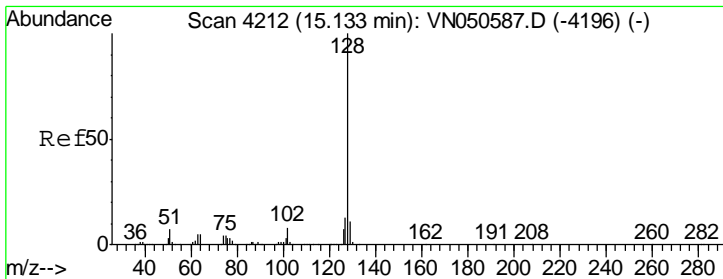
MMDadoda
 8/15/2018 3:21:52 PM



#94
 Hexachlorobutadiene
 Concen: 48.82 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
225	100		
223	63.2	32.1	96.3
227	64.1	32.0	96.2





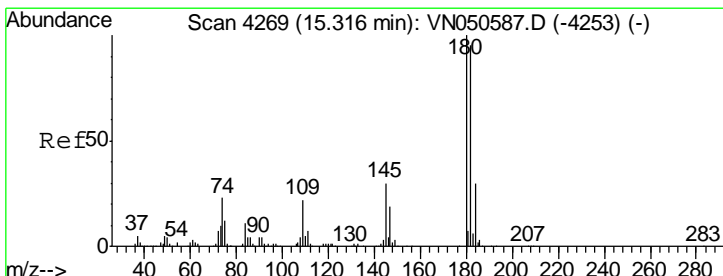
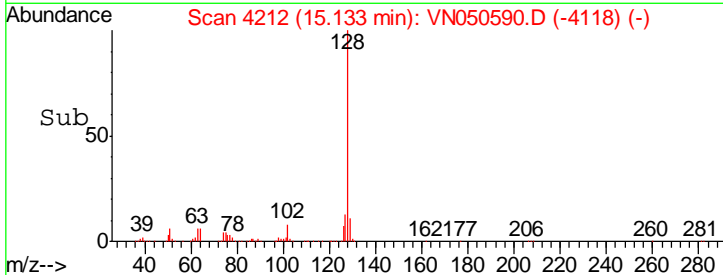
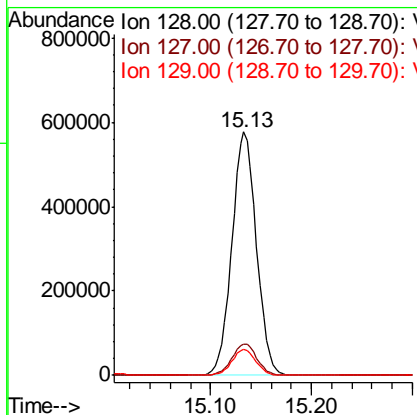
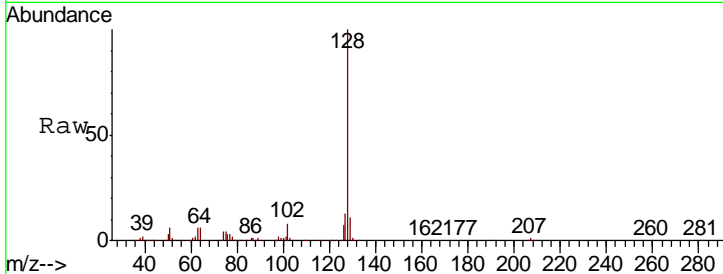
#95
 Naphthalene
 Concen: 51.15 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Instrument : MSVOA_N
 Client Sampled : ICVVN081418

Tgt Ion	Resp	Lower	Upper
128	974862		
127	13.2	10.3	15.5
129	10.6	8.5	12.7

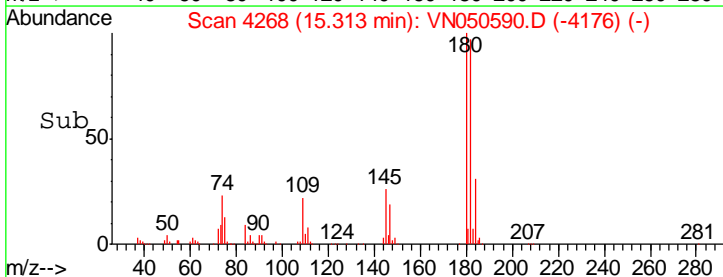
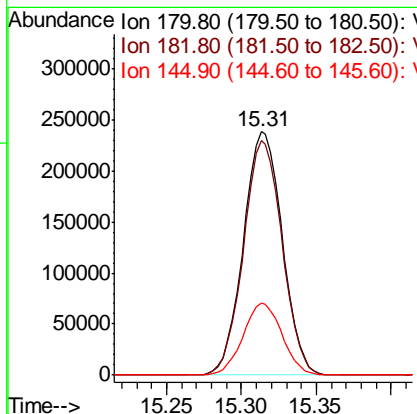
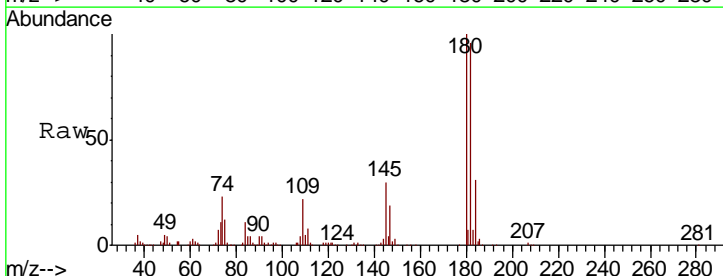
Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:21:52 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 51.56 ug/l
 RT: 15.31 min Scan# 4268
 Delta R.T. -0.00 min
 Lab File: VN050590.D
 Acq: 14 Aug 2018 2:13

Tgt Ion	Resp	Lower	Upper
180	431257		
182	95.7	47.3	141.8
145	29.5	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	105	0.00
2 T	Dichlorodifluoromethane	0.564	0.533	5.5	103	0.00
3 P	Chloromethane	0.769	0.718	6.6	112	0.00
4 C	Vinyl Chloride	0.749	0.702	6.3#	104	0.00
5 T	Bromomethane	0.484	0.406	16.1	104	0.00
6 T	Chloroethane	0.470	0.418	11.1	104	0.00
7 T	Trichlorofluoromethane	0.983	0.909	7.5	105	0.00
8 T	Diethyl Ether	0.327	0.320	2.1	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.594	0.554	6.7	104	0.00
10 T	Methyl Iodide	0.384	0.468	-21.9#	134	0.00
11 T	Tert butyl alcohol	0.034	0.036	-5.9	113	0.00
12 CM	1,1-Dichloroethene	0.543	0.530	2.4#	108	0.00
13 T	Acrolein	0.014	0.013	7.1	108	0.00
14 T	Allyl chloride	0.844	0.824	2.4	107	0.00
15 T	Acrylonitrile	0.189	0.188	0.5	106	0.00
16 T	Acetone	0.174	0.158	9.2	107	0.00
17 T	Carbon Disulfide	1.707	1.675	1.9	110	0.00
18 T	Methyl Acetate	0.591	0.439	25.7#	107	0.00
19 T	Methyl tert-butyl Ether	1.381	1.427	-3.3	108	0.00
20 T	Methylene Chloride	0.685	0.607	11.4	106	0.00
21 T	trans-1,2-Dichloroethene	0.588	0.574	2.4	107	0.00
22 T	Diisopropyl ether	1.730	1.779	-2.8	105	0.00
23 T	Vinyl Acetate	1.132	1.190	-5.1	106	0.00
24 P	1,1-Dichloroethane	1.120	1.054	5.9	106	0.00
25 T	2-Butanone	0.258	0.255	1.2	106	0.00
26 T	2,2-Dichloropropane	0.749	0.669	10.7	103	0.00
27 T	cis-1,2-Dichloroethene	0.655	0.642	2.0	107	0.00
28 T	Bromochloromethane	0.510	0.491	3.7	104	0.00
29 T	Tetrahydrofuran	0.135	0.138	-2.2	106	0.00
30 C	Chloroform	1.135	1.058	6.8#	105	0.00
31 T	Cyclohexane	1.095	0.959	12.4	106	0.00
32 T	1,1,1-Trichloroethane	0.955	0.902	5.5	105	0.00
33 S	1,2-Dichloroethane-d4	0.630	0.624	1.0	106	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
35 S	Dibromofluoromethane	0.399	0.400	-0.3	106	0.00
36 T	1,1-Dichloropropene	0.557	0.559	-0.4	106	0.00
37 T	Ethyl Acetate	0.315	0.324	-2.9	107	0.00
38 T	Carbon Tetrachloride	0.577	0.550	4.7	106	0.00
39 T	Methylcyclohexane	0.576	0.606	-5.2	106	0.00
40 TM	Benzene	1.693	1.671	1.3	105	0.00
41 T	Methacrylonitrile	0.170	0.180	-5.9	107	0.00
42 TM	1,2-Dichloroethane	0.519	0.502	3.3	106	0.00
43 T	Isopropyl Acetate	0.573	0.571	0.3	107	0.00
44 TM	Trichloroethene	0.454	0.441	2.9	106	0.00
45 C	1,2-Dichloropropane	0.451	0.437	3.1#	106	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.266	0.255	4.1	107	0.00
47 T	Bromodichloromethane	0.569	0.546	4.0	105	0.00
48 T	Methyl methacrylate	0.289	0.285	1.4	106	0.00
49 T	1,4-Dioxane	0.004	0.004	0.0	107	0.00
50 S	Toluene-d8	1.502	1.535	-2.2	108	0.00
51 T	4-Methyl-2-Pentanone	0.388	0.396	-2.1	105	0.00
52 CM	Toluene	1.011	1.035	-2.4#	106	0.00
53 T	t-1,3-Dichloropropene	0.530	0.546	-3.0	108	0.00
54 T	cis-1,3-Dichloropropene	0.608	0.629	-3.5	106	0.00
55 T	1,1,2-Trichloroethane	0.378	0.366	3.2	105	0.00
56 T	Ethyl methacrylate	0.427	0.466	-9.1	108	0.00
57 T	1,3-Dichloropropane	0.619	0.614	0.8	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.200	0.224	-12.0	107	0.00
59 T	2-Hexanone	0.250	0.262	-4.8	105	0.00
60 T	Dibromochloromethane	0.417	0.421	-1.0	107	0.00
61 T	1,2-Dibromoethane	0.360	0.366	-1.7	108	0.00
62 S	4-Bromofluorobenzene	0.496	0.520	-4.8	110	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64 T	Tetrachloroethene	0.464	0.444	4.3	103	0.00
65 PM	Chlorobenzene	1.244	1.245	-0.1	107	0.00
66 T	1,1,1,2-Tetrachloroethane	0.466	0.455	2.4	106	0.00
67 C	Ethyl Benzene	2.009	2.139	-6.5#	107	0.00
68 T	m/p-Xylenes	0.768	0.824	-7.3	106	0.00
69 T	o-Xylene	0.733	0.791	-7.9	107	0.00
70 T	Styrene	1.177	1.310	-11.3	108	0.00
71 P	Bromoform	0.309	0.315	-1.9	108	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
73 T	Isopropylbenzene	3.907	4.021	-2.9	107	0.00
74 T	N-amyl acetate	1.016	1.050	-3.3	109	0.00
75 P	1,1,2,2-Tetrachloroethane	1.068	0.938	12.2	106	0.00
76 T	1,2,3-Trichloropropane	0.899	0.831	7.6	114	0.00
77 T	Bromobenzene	1.061	1.027	3.2	107	0.00
78 T	n-propylbenzene	4.356	4.567	-4.8	106	0.00
79 T	2-Chlorotoluene	2.716	2.726	-0.4	106	0.00
80 T	1,3,5-Trimethylbenzene	3.128	3.270	-4.5	106	0.00
81 T	trans-1,4-Dichloro-2-butene	0.225	0.225	0.0	108	0.00
82 T	4-Chlorotoluene	2.684	2.778	-3.5	107	0.00
83 T	tert-Butylbenzene	2.715	2.823	-4.0	109	0.00
84 T	1,2,4-Trimethylbenzene	3.139	3.358	-7.0	106	0.00
85 T	sec-Butylbenzene	3.548	3.714	-4.7	107	0.00
86 T	p-Isopropyltoluene	3.006	3.259	-8.4	107	0.00
87 T	1,3-Dichlorobenzene	1.806	1.805	0.1	108	0.00
88 T	1,4-Dichlorobenzene	1.792	1.763	1.6	108	0.00
89 T	n-Butylbenzene	2.428	2.608	-7.4	108	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.605	0.576	4.8	111	0.00
91 T	1,2-Dichlorobenzene	1.762	1.717	2.6	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.139	0.135	2.9	107	0.00
93 T	1,2,4-Trichlorobenzene	0.767	0.914	-19.2	113	0.00
94 T	Hexachlorobutadiene	0.540	0.527	2.4	112	0.00
95 T	Naphthalene	1.531	1.971	-28.7#	118	0.00
96 T	1,2,3-Trichlorobenzene	0.745	0.872	-17.0	113	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN081418

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2 T	Dichlorodifluoromethane	50.000	47.240	5.5	103	0.00
3 P	Chloromethane	50.000	52.311	-4.6	112	0.00
4 C	Vinyl Chloride	50.000	46.896	6.2#	104	0.00
5 T	Bromomethane	50.000	50.496	-1.0	104	0.00
6 T	Chloroethane	50.000	50.204	-0.4	104	0.00
7 T	Trichlorofluoromethane	50.000	46.250	7.5	105	0.00
8 T	Diethyl Ether	50.000	48.951	2.1	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.585	6.8	104	0.00
10 T	Methyl Iodide	50.000	54.604	-9.2	134	0.00
11 T	Tert butyl alcohol	250.000	258.677	-3.5	113	0.00
12 CM	1,1-Dichloroethene	50.000	48.807	2.4#	108	0.00
13 T	Acrolein	250.000	244.509	2.2	108	0.00
14 T	Allyl chloride	50.000	48.834	2.3	107	0.00
15 T	Acrylonitrile	250.000	248.164	0.7	106	0.00
16 T	Acetone	250.000	250.351	-0.1	107	0.00
17 T	Carbon Disulfide	50.000	49.068	1.9	110	0.00
18 T	Methyl Acetate	50.000	49.579	0.8	107	0.00
19 T	Methyl tert-butyl Ether	50.000	51.679	-3.4	108	0.00
20 T	Methylene Chloride	50.000	50.700	-1.4	106	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.797	2.4	107	0.00
22 T	Diisopropyl ether	50.000	51.410	-2.8	105	0.00
23 T	Vinyl Acetate	250.000	262.775	-5.1	106	0.00
24 P	1,1-Dichloroethane	50.000	47.060	5.9	106	0.00
25 T	2-Butanone	250.000	246.439	1.4	106	0.00
26 T	2,2-Dichloropropane	50.000	44.656	10.7	103	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.043	1.9	107	0.00
28 T	Bromochloromethane	50.000	48.152	3.7	104	0.00
29 T	Tetrahydrofuran	250.000	255.605	-2.2	106	0.00
30 C	Chloroform	50.000	46.617	6.8#	105	0.00
31 T	Cyclohexane	50.000	50.180	-0.4	106	0.00
32 T	1,1,1-Trichloroethane	50.000	47.252	5.5	105	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.488	1.0	106	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	107	0.00
35 S	Dibromofluoromethane	50.000	50.062	-0.1	106	0.00
36 T	1,1-Dichloropropene	50.000	50.261	-0.5	106	0.00
37 T	Ethyl Acetate	50.000	51.446	-2.9	107	0.00
38 T	Carbon Tetrachloride	50.000	47.622	4.8	106	0.00
39 T	Methylcyclohexane	50.000	52.557	-5.1	106	0.00
40 TM	Benzene	50.000	49.343	1.3	105	0.00
41 T	Methacrylonitrile	50.000	53.029	-6.1	107	0.00
42 TM	1,2-Dichloroethane	50.000	48.384	3.2	106	0.00
43 T	Isopropyl Acetate	50.000	49.777	0.4	107	0.00
44 TM	Trichloroethene	50.000	48.593	2.8	106	0.00
45 C	1,2-Dichloropropane	50.000	48.449	3.1#	106	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	47.886	4.2	107	0.00
47 T	Bromodichloromethane	50.000	47.951	4.1	105	0.00
48 T	Methyl methacrylate	50.000	49.411	1.2	106	0.00
49 T	1,4-Dioxane	1000.000	1010.708	-1.1	107	0.00
50 S	Toluene-d8	50.000	51.072	-2.1	108	0.00
51 T	4-Methyl-2-Pentanone	250.000	255.333	-2.1	105	0.00
52 CM	Toluene	50.000	51.187	-2.4#	106	0.00
53 T	t-1,3-Dichloropropene	50.000	51.532	-3.1	108	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.712	-3.4	106	0.00
55 T	1,1,2-Trichloroethane	50.000	48.386	3.2	105	0.00
56 T	Ethyl methacrylate	50.000	48.441	3.1	108	0.00
57 T	1,3-Dichloropropane	50.000	49.604	0.8	106	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	242.498	3.0	107	0.00
59 T	2-Hexanone	250.000	261.542	-4.6	105	0.00
60 T	Dibromochloromethane	50.000	50.445	-0.9	107	0.00
61 T	1,2-Dibromoethane	50.000	50.838	-1.7	108	0.00
62 S	4-Bromofluorobenzene	50.000	52.390	-4.8	110	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	106	0.00
64 T	Tetrachloroethene	50.000	47.804	4.4	103	0.00
65 PM	Chlorobenzene	50.000	50.015	-0.0	107	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.823	2.4	106	0.00
67 C	Ethyl Benzene	50.000	53.236	-6.5#	107	0.00
68 T	m/p-Xylenes	100.000	107.220	-7.2	106	0.00
69 T	o-Xylene	50.000	53.983	-8.0	107	0.00
70 T	Styrene	50.000	50.241	-0.5	108	0.00
71 P	Bromoform	50.000	50.876	-1.8	108	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	106	0.00
73 T	Isopropylbenzene	50.000	51.462	-2.9	107	0.00
74 T	N-amyl acetate	50.000	51.652	-3.3	109	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.770	-3.5	106	0.00
76 T	1,2,3-Trichloropropane	50.000	51.459	-2.9	114	0.00
77 T	Bromobenzene	50.000	48.402	3.2	107	0.00
78 T	n-propylbenzene	50.000	52.421	-4.8	106	0.00
79 T	2-Chlorotoluene	50.000	50.191	-0.4	106	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.269	-4.5	106	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.036	-0.1	108	0.00
82 T	4-Chlorotoluene	50.000	51.754	-3.5	107	0.00
83 T	tert-Butylbenzene	50.000	51.996	-4.0	109	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.480	-7.0	106	0.00
85 T	sec-Butylbenzene	50.000	52.343	-4.7	107	0.00
86 T	p-Isopropyltoluene	50.000	54.206	-8.4	107	0.00
87 T	1,3-Dichlorobenzene	50.000	49.979	0.0	108	0.00
88 T	1,4-Dichlorobenzene	50.000	49.188	1.6	108	0.00
89 T	n-Butylbenzene	50.000	53.705	-7.4	108	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050590.D
 Acq On : 14 Aug 2018 2:13
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN081418

Quant Time: Aug 14 08:17:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	47.634	4.7	111	0.00
91 T	1,2-Dichlorobenzene	50.000	48.735	2.5	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.547	2.9	107	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.516	-1.0	113	0.00
94 T	Hexachlorobutadiene	50.000	48.819	2.4	112	0.00
95 T	Naphthalene	50.000	51.147	-2.3	118	0.00
96 T	1,2,3-Trichlorobenzene	50.000	51.565	-3.1	113	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG No.: J4469
 Instrument ID: MSVOA_N Calibration Date/Time: 08/14/2018 10:45
 Lab File ID: VN050592.D Init. Calib. Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.564	0.509		-9.75	20
Chloromethane	0.769	0.654	0.1	-14.95	20
Vinyl Chloride	0.749	0.666		-11.08	20
Bromomethane	0.484	0.360		-25.62	20
Chloroethane	0.470	0.401		-14.68	20
Trichlorofluoromethane	0.983	0.856		-12.92	20
1,1,2-Trichlorotrifluoroethane	0.594	0.541		-8.92	20
1,1-Dichloroethene	0.543	0.486		-10.5	20
Acetone	0.174	0.154		-11.49	20
Carbon Disulfide	1.707	1.529		-10.43	20
Methyl tert-butyl Ether	1.381	1.301		-5.79	20
Methyl Acetate	0.591	0.405		-31.47	20
Methylene Chloride	0.685	0.565		-17.52	20
trans-1,2-Dichloroethene	0.588	0.540		-8.16	20
1,1-Dichloroethane	1.120	0.980	0.1	-12.5	20
Cyclohexane	1.095	0.907		-17.17	20
2-Butanone	0.258	0.251		-2.71	20
Carbon Tetrachloride	0.577	0.551		-4.51	20
cis-1,2-Dichloroethene	0.655	0.595		-9.16	20
Bromochloromethane	0.510	0.471		-7.65	20
Chloroform	1.135	0.999		-11.98	20
1,1,1-Trichloroethane	0.955	0.848		-11.2	20
Methylcyclohexane	0.576	0.627		8.85	20
Benzene	1.693	1.672		-1.24	20
1,2-Dichloroethane	0.519	0.500		-3.66	20
Trichloroethene	0.454	0.437		-3.74	20
1,2-Dichloropropane	0.451	0.441		-2.22	20
Bromodichloromethane	0.569	0.551		-3.16	20
4-Methyl-2-Pentanone	0.388	0.397		2.32	20
Toluene	1.011	1.052		4.05	20
t-1,3-Dichloropropene	0.530	0.559		5.47	20
cis-1,3-Dichloropropene	0.608	0.658		8.22	20
1,1,2-Trichloroethane	0.378	0.365		-3.44	20
2-Hexanone	0.250	0.275		10	20
Dibromochloromethane	0.417	0.419		0.48	20
1,2-Dibromoethane	0.360	0.360		0	20
Tetrachloroethene	0.464	0.436		-6.03	20
Chlorobenzene	1.244	1.212	0.3	-2.57	20
Ethyl Benzene	2.009	2.089		3.98	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG No.: J4469
 Instrument ID: MSVOA_N Calibration Date/Time: 08/14/2018 10:45
 Lab File ID: VN050592.D Init. Calib. Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.768	0.817		6.38	20
o-Xylene	0.733	0.770		5.05	20
Styrene	1.177	1.289		9.52	20
Bromoform	0.309	0.309	0.1	0	20
Isopropylbenzene	3.907	3.900		-0.18	20
1,1,2,2-Tetrachloroethane	1.068	0.912	0.3	-14.61	20
1,3-Dichlorobenzene	1.806	1.794		-0.66	20
1,4-Dichlorobenzene	1.792	1.741		-2.85	20
1,2-Dichlorobenzene	1.762	1.701		-3.46	20
1,2-Dibromo-3-Chloropropane	0.139	0.132		-5.04	20
1,2,4-Trichlorobenzene	0.767	0.876		14.21	20
1,2,3-Trichlorobenzene	0.745	0.833		11.81	20
1,2-Dichloroethane-d4	0.630	0.595		-5.56	20
Dibromofluoromethane	0.399	0.403		1	20
Toluene-d8	1.502	1.539		2.46	20
4-Bromofluorobenzene	0.496	0.524		5.64	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:20 PM

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	716280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	991440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	936403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	495420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	426529	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	7.59	113	399717	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.09	98	1525782	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.40	95	519173	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	364623	45.15	ug/l	99
3) Chloromethane	2.06	50	468280	47.56	ug/l	98
4) Vinyl Chloride	2.18	62	476877	44.45	ug/l	99
5) Bromomethane	2.56	94	257918	44.50	ug/l	99
6) Chloroethane	2.70	64	287570	48.18	ug/l	100
7) Trichlorofluoromethane	3.01	101	613478	43.58	ug/l	96
8) Diethyl Ether	3.41	74	207974	44.42	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	387432	45.52	ug/l	99
10) Methyl Iodide	3.95	142	302394	49.98	ug/l	99
11) Tert butyl alcohol	4.78	59	112050	227.28	ug/l	99
12) 1,1-Dichloroethene	3.73	96	348154	44.80	ug/l	98
13) Acrolein	3.61	56	40105	211.99	ug/l	95
14) Allyl chloride	4.32	41	558232	46.18	ug/l	100
15) Acrylonitrile	4.99	53	617424	228.03	ug/l	99
16) Acetone	3.82	43	551508	244.61	ug/l	98
17) Carbon Disulfide	4.05	76	1095432	44.79	ug/l	100
18) Methyl Acetate	4.32	43	289974	45.64	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	931540	47.09	ug/l	100
20) Methylene Chloride	4.55	84	404997	47.12	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	386495	45.87	ug/l	97
22) Diisopropyl ether	5.95	45	1191935	48.09	ug/l	99
23) Vinyl Acetate	5.90	43	3980618	245.50	ug/l	99
24) 1,1-Dichloroethane	5.85	63	702096	43.78	ug/l	99
25) 2-Butanone	6.84	43	897297	242.39	ug/l	99
26) 2,2-Dichloropropane	6.82	77	588653	54.83	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	425848	45.39	ug/l	97
28) Bromochloromethane	7.20	49	337129	46.19	ug/l	100
29) Tetrahydrofuran	7.21	42	451665	233.67	ug/l	99
30) Chloroform	7.37	83	715498	44.02	ug/l	100
31) Cyclohexane	7.65	56	649352	47.43	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	607416	44.40	ug/l	100
36) 1,1-Dichloropropene	7.79	75	557216	50.49	ug/l	99
37) Ethyl Acetate	6.93	43	315710	50.61	ug/l	99
38) Carbon Tetrachloride	7.77	117	546294	47.72	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:20 PM

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	621329	54.38	ug/l	99
40) Benzene	8.04	78	1658000	49.38	ug/l	100
41) Methacrylonitrile	7.18	41	171535	50.86	ug/l	95
42) 1,2-Dichloroethane	8.12	62	495952	48.20	ug/l	100
43) Isopropyl Acetate	8.17	43	555706	48.88	ug/l	99
44) Trichloroethene	8.83	130	433003	48.15	ug/l	100
45) 1,2-Dichloropropane	9.12	63	436791	48.87	ug/l	98
46) Dibromomethane	9.21	93	250914	47.54	ug/l	98
47) Bromodichloromethane	9.40	83	546759	48.47	ug/l	99
48) Methyl methacrylate	9.20	41	280234	48.99	ug/l	100
49) 1,4-Dioxane	9.20	88	78510	1041.75	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1969243	256.11	ug/l	100
52) Toluene	10.16	92	1043404	52.05	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	553873	52.71	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	652377	54.12	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	361768	48.31	ug/l	98
56) Ethyl methacrylate	10.43	69	456717	47.89	ug/l	100
57) 1,3-Dichloropropane	10.71	76	609877	49.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1100544	240.89	ug/l	99
59) 2-Hexanone	10.75	43	1362504	274.55	ug/l	99
60) Dibromochloromethane	10.90	129	415043	50.21	ug/l	100
61) 1,2-Dibromoethane	11.01	107	356807	50.03	ug/l	100
64) Tetrachloroethene	10.63	164	407859	46.90	ug/l	100
65) Chlorobenzene	11.43	112	1134753	48.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	409900	46.92	ug/l	99
67) Ethyl Benzene	11.51	91	1956551	51.99	ug/l	100
68) m/p-Xylenes	11.62	106	1529897	106.30	ug/l	100
69) o-Xylene	11.95	106	721405	52.57	ug/l	99
70) Styrene	11.96	104	1207034	49.47	ug/l	99
71) Bromoform	12.13	173	288962	49.88	ug/l #	100
73) Isopropylbenzene	12.25	105	1932179	49.92	ug/l	99
74) N-amyl acetate	12.07	43	496745	49.33	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	451948	50.31	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	363015m	45.25	ug/l	
77) Bromobenzene	12.53	156	490862	46.71	ug/l	99
78) n-propylbenzene	12.59	91	2250756	52.15	ug/l	99
79) 2-Chlorotoluene	12.67	91	1322775	49.16	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1614356	52.09	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	121446	54.50	ug/l	98
82) 4-Chlorotoluene	12.77	91	1356852	51.02	ug/l	100
83) tert-Butylbenzene	12.99	119	1351490	50.24	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1642122	52.79	ug/l	100
85) sec-Butylbenzene	13.17	105	1838135	52.29	ug/l	99
86) p-Isopropyltoluene	13.29	119	1626305	54.59	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	888927	49.69	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	862497	48.57	ug/l	100
89) n-Butylbenzene	13.62	91	1342405	55.81	ug/l	99
90) Hexachloroethane	13.87	117	283080	47.26	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	842880	48.29	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65434	47.38	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 8/15/2018 3:31:20 PM

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	433853	48.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	266235	49.75	ug/l	99
95) Naphthalene	15.13	128	856334	45.33	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	412601	49.34	ug/l	99

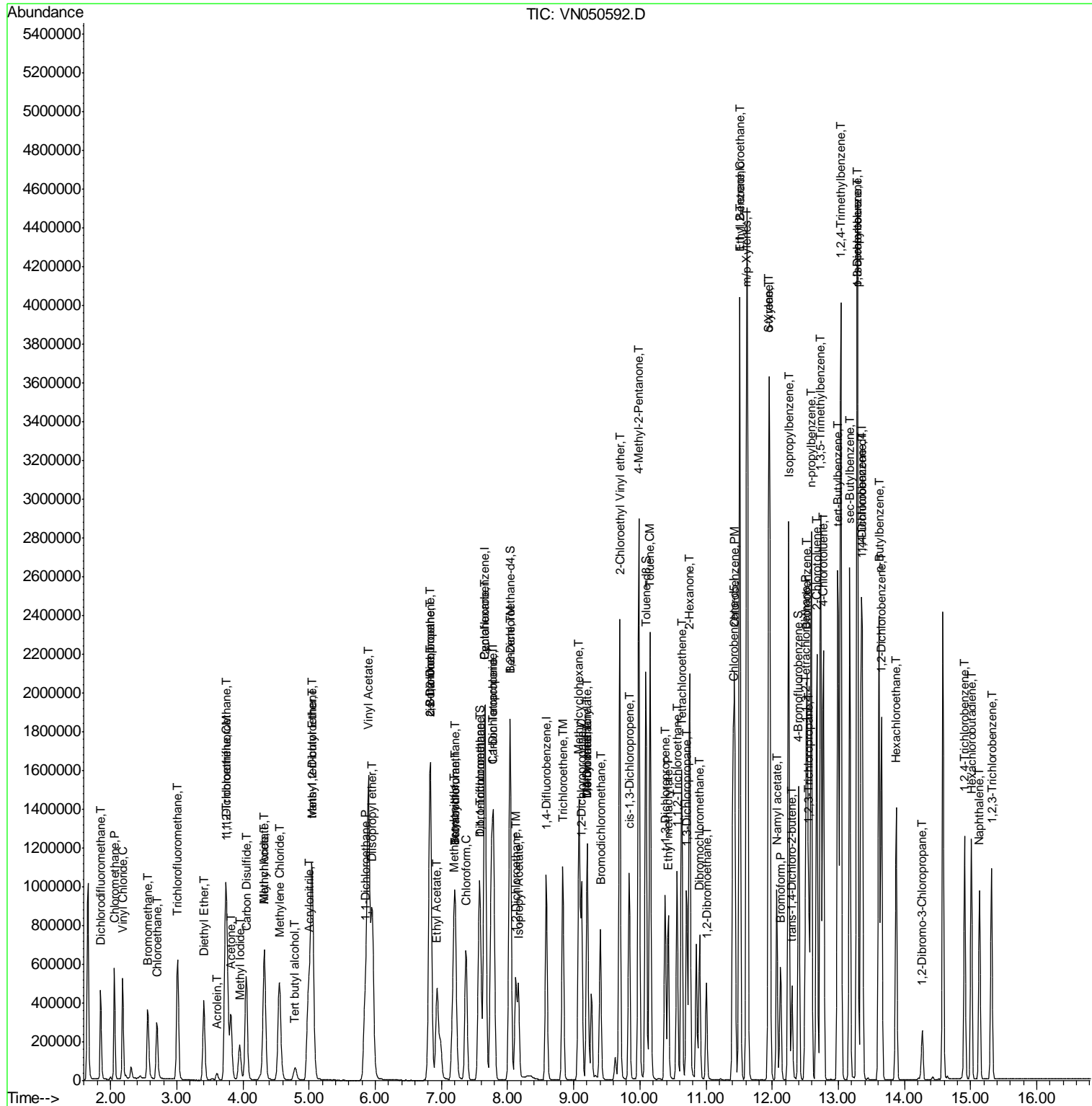
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

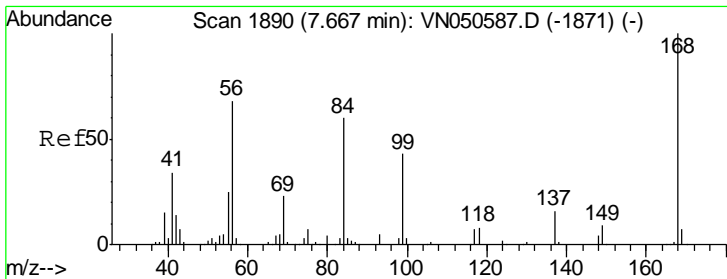
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC050

Manual Integrations
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 8/15/2018 3:31:20 PM

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



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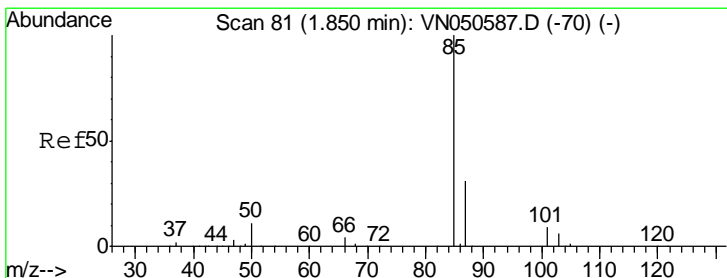
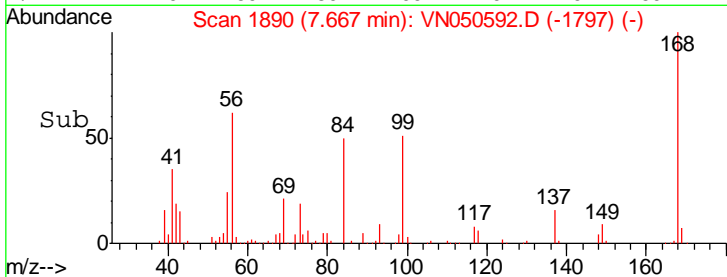
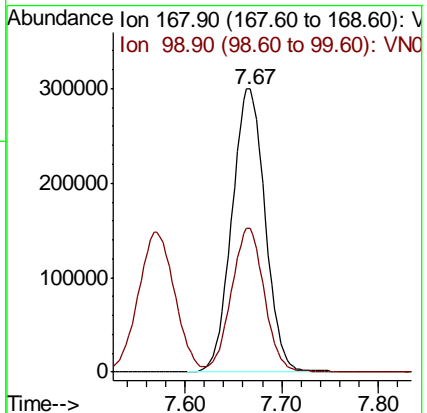
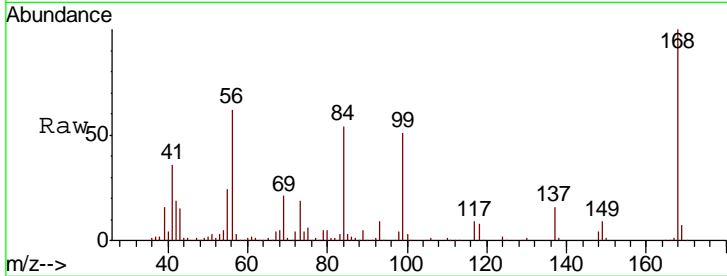
#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
168	100		
99	50.7	40.8	61.2

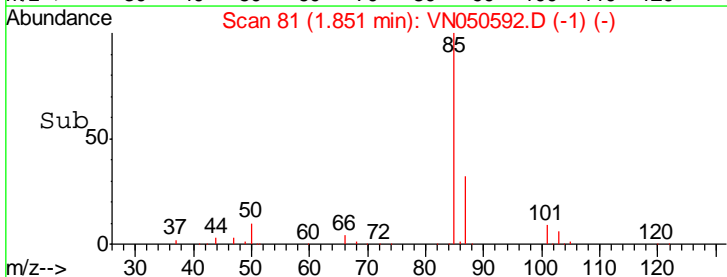
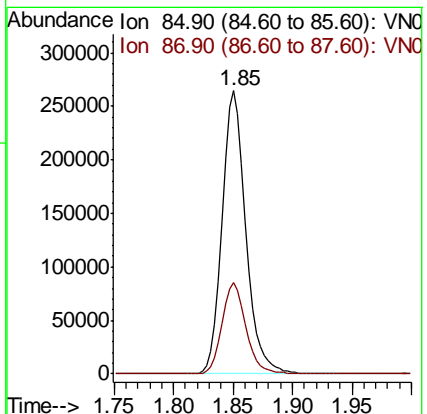
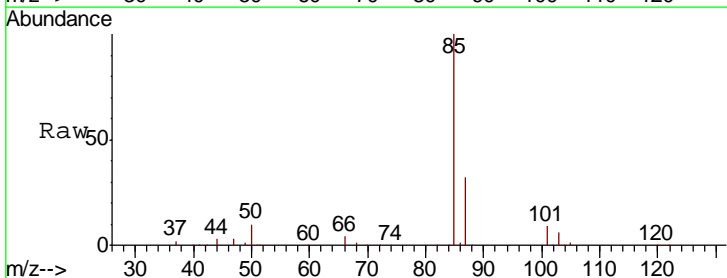
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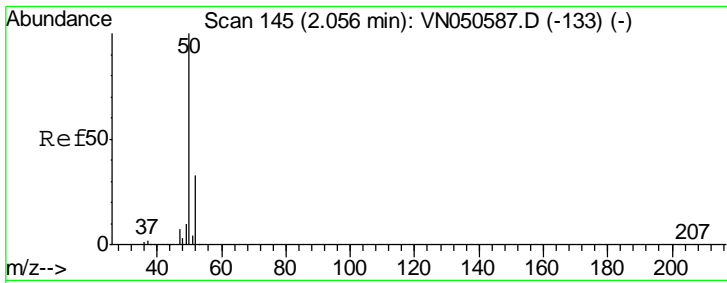
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#2
 Dichlorodifluoromethane
 Concen: 45.15 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.1	15.8	47.3



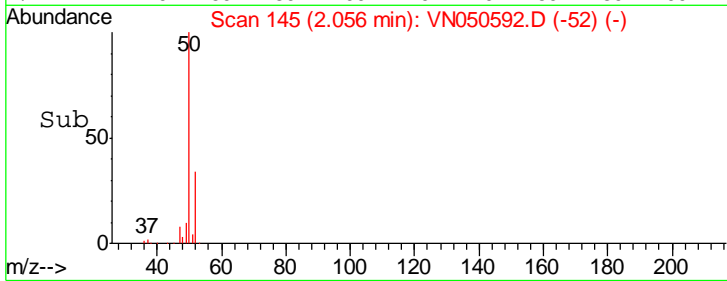
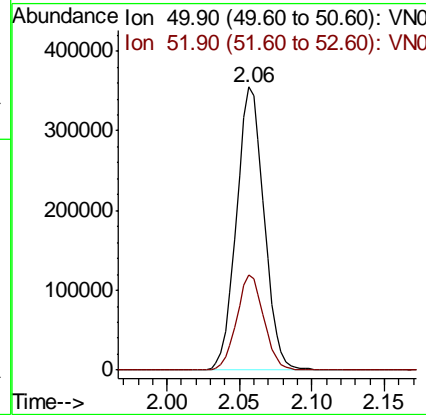
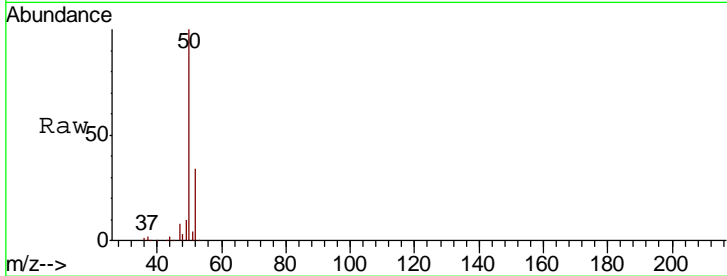


#3
 Chloromethane
 Concen: 47.56 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.6	26.0	39.0

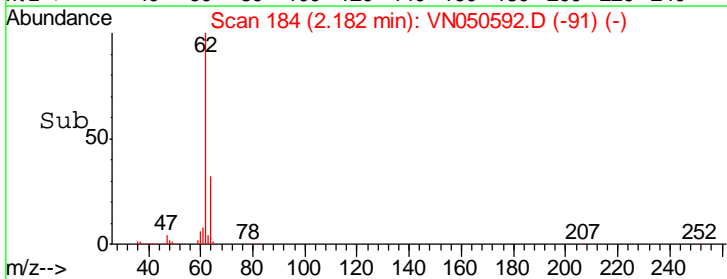
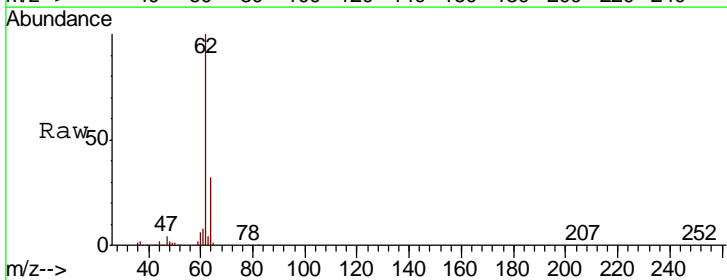
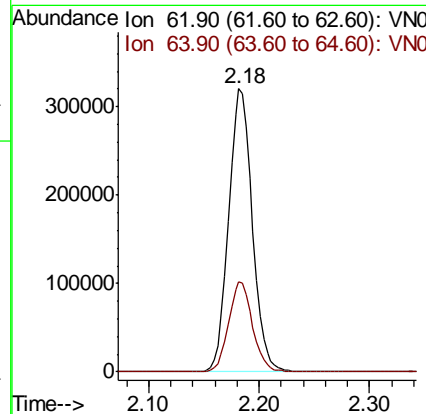
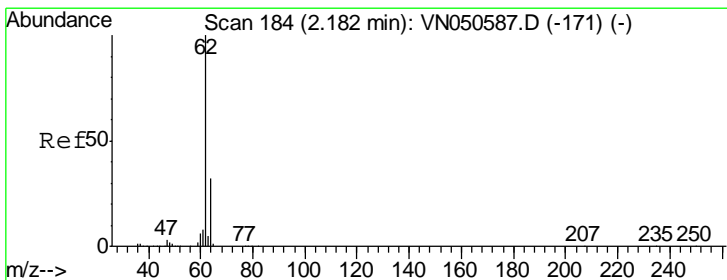
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

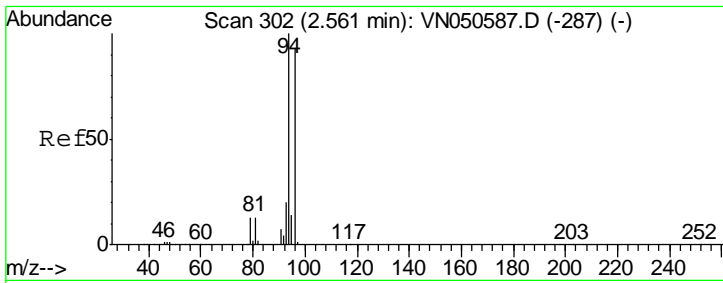
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#4
 Vinyl Chloride
 Concen: 44.45 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.0	25.2	37.8



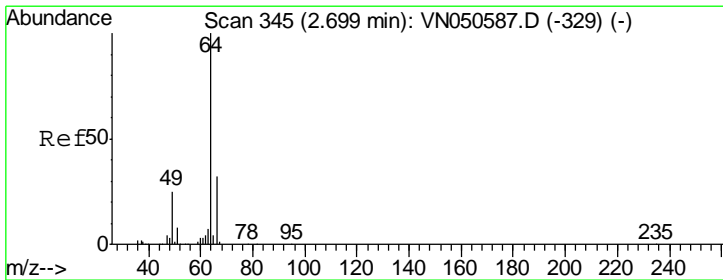
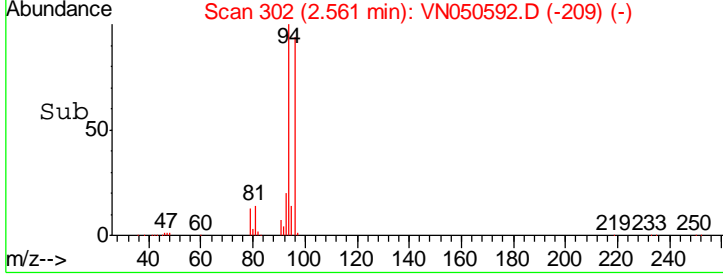
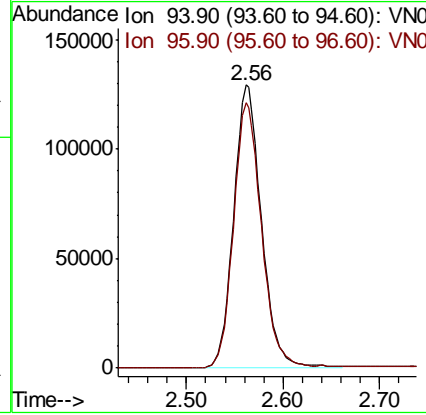
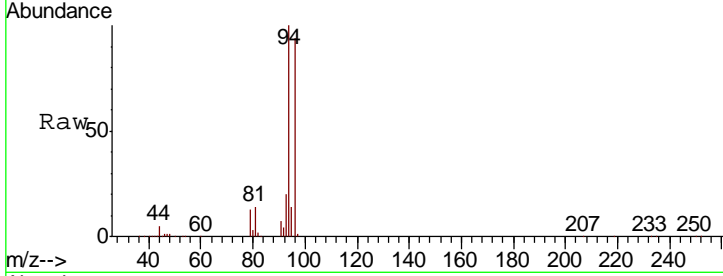


#5
 Bromomethane
 Concen: 44.50 ug/l
 RT: 2.56 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.8	74.0	111.0

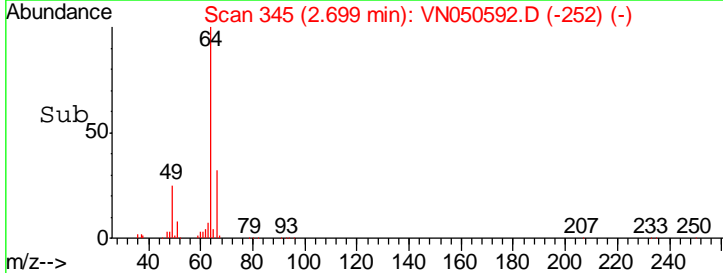
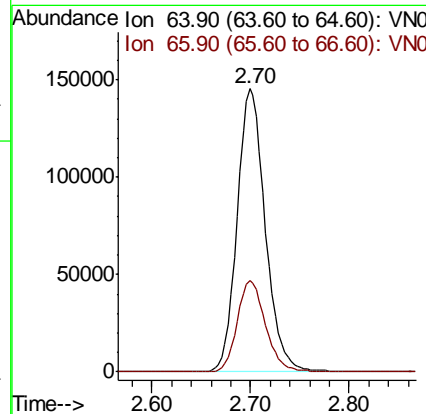
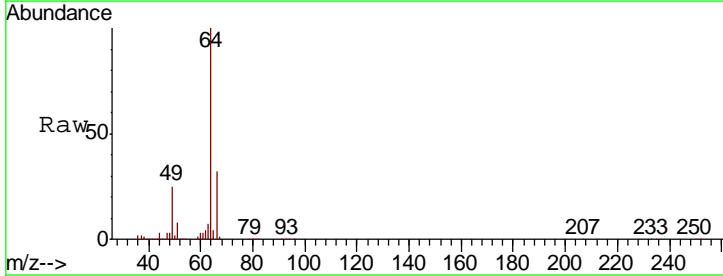
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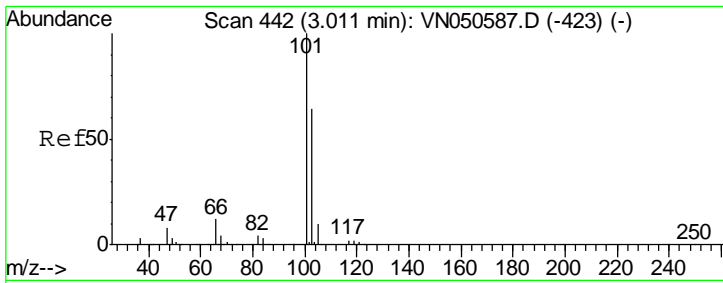
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#6
 Chloroethane
 Concen: 48.18 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.2	25.7	38.5





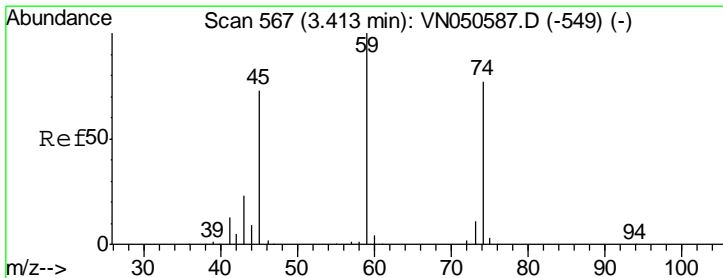
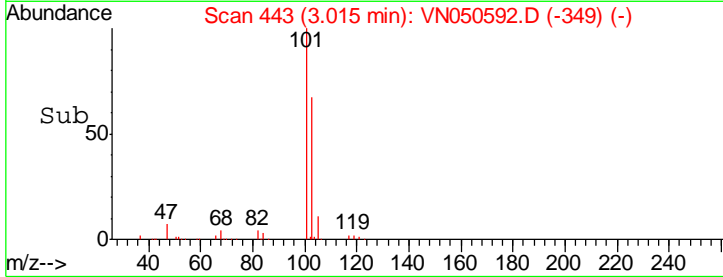
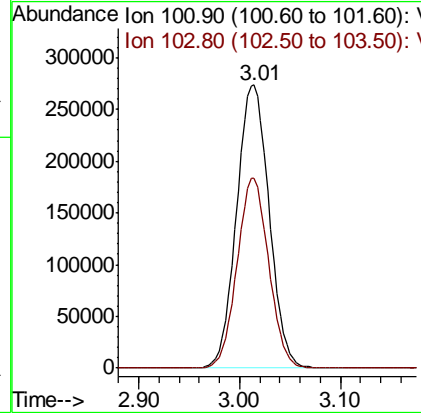
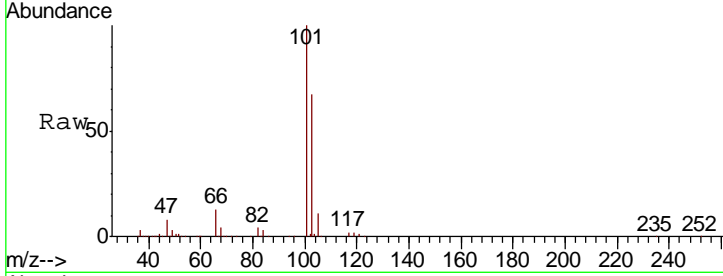
#7
 Trichlorofluoromethane
 Concen: 43.58 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
101	613478		
103	67.1	51.4	77.0

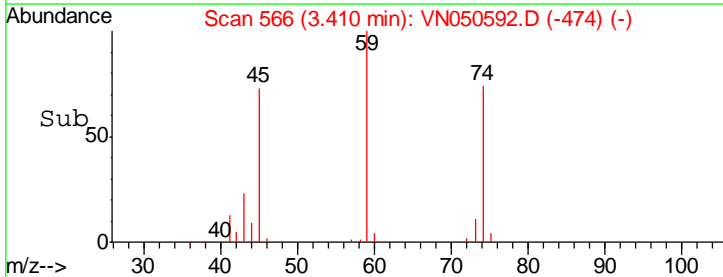
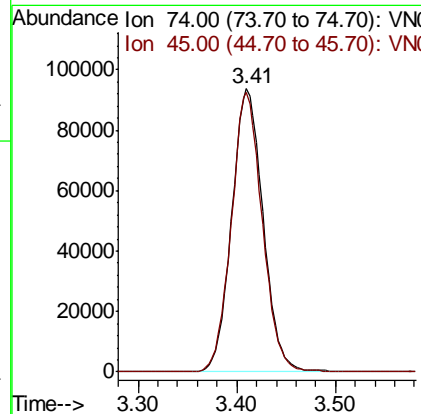
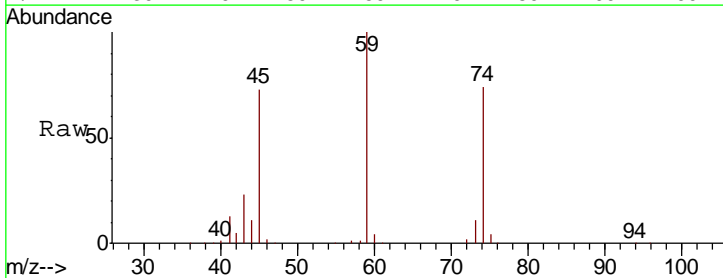
Manual Integrations
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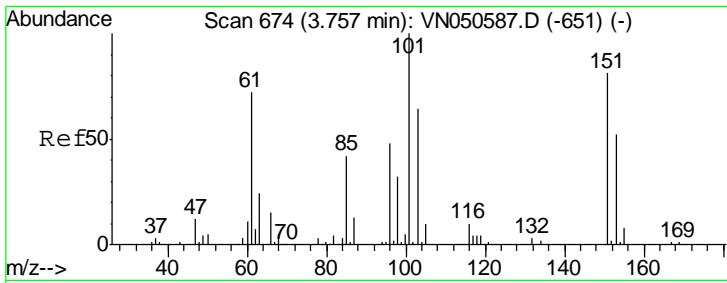
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#8
 Diethyl Ether
 Concen: 44.42 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

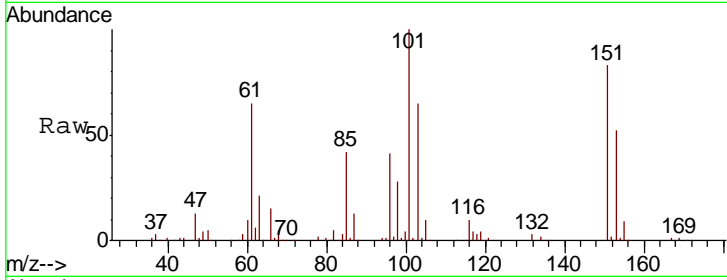
Tgt Ion	Resp	Lower	Upper
74	207974		
45	97.4	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.52 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

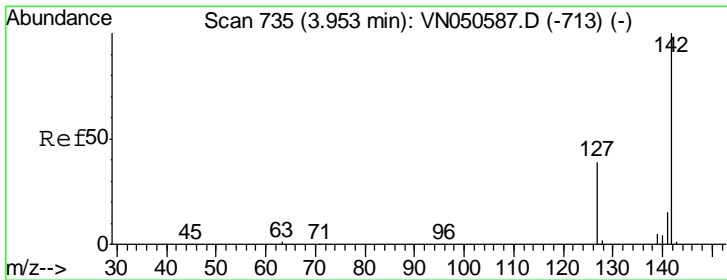
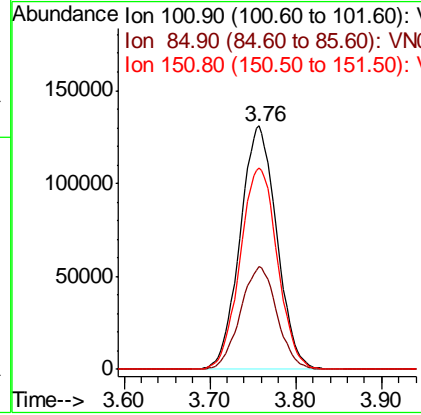
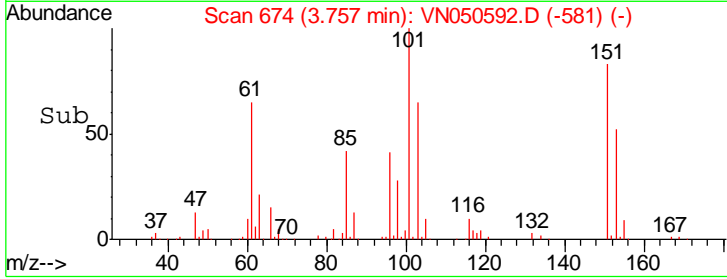
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050



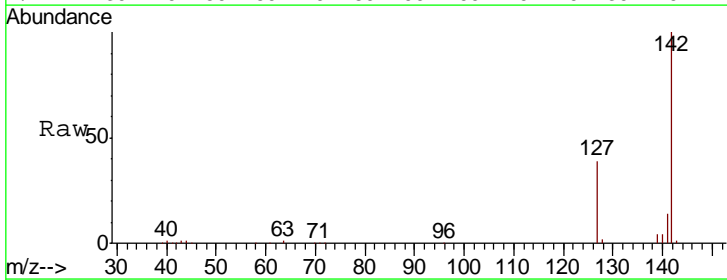
Tot Ion: 101 Resp: 387432

Ion	Ratio	Lower	Upper
101	100		
85	42.2	33.4	50.0
151	84.1	66.6	100.0

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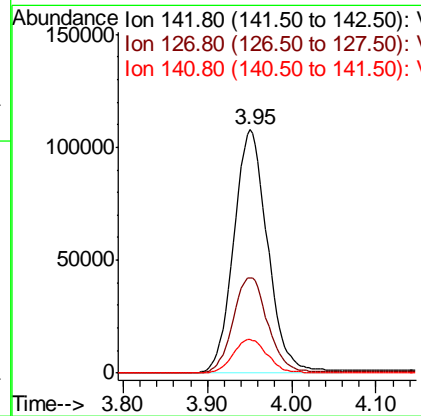
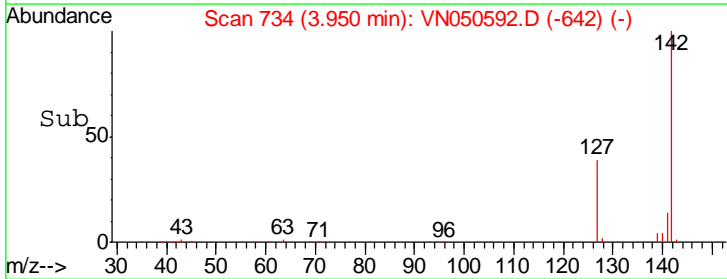


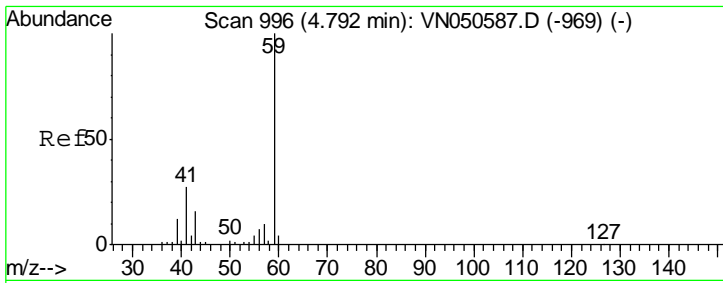
#10
 Methyl Iodide
 Concen: 49.98 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45



Tgt Ion: 142 Resp: 302394

Ion	Ratio	Lower	Upper
142	100		
127	40.2	32.6	49.0
141	14.3	11.5	17.3





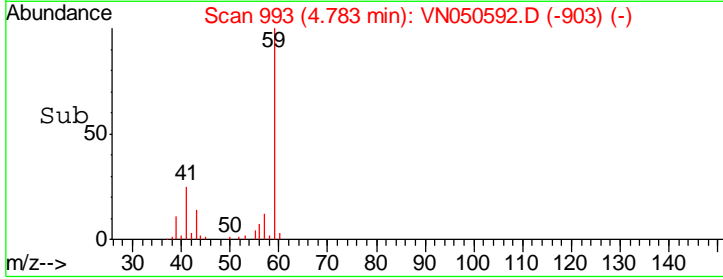
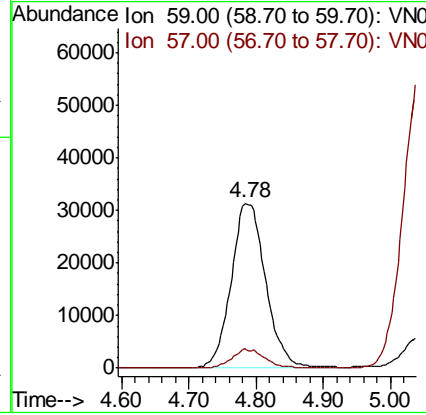
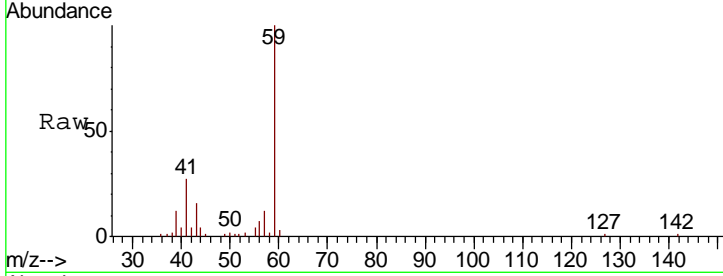
#11
 Tert butyl alcohol
 Concen: 227.28 ug/l
 RT: 4.78 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
59	112050		
57	10.9	8.4	12.6

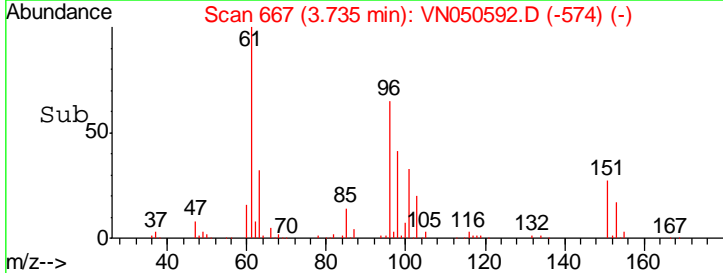
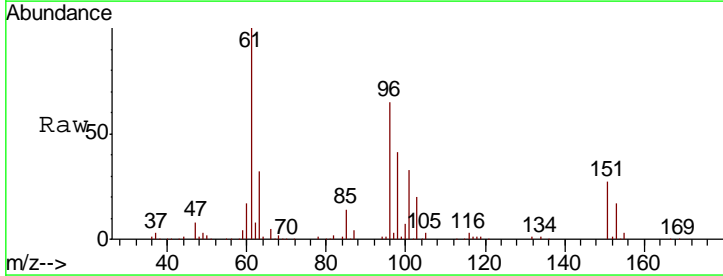
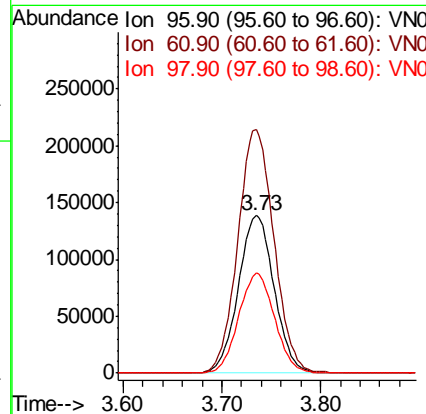
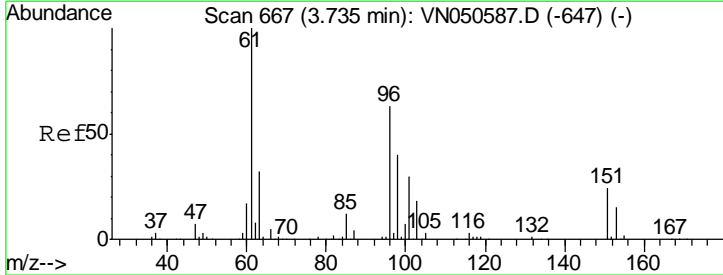
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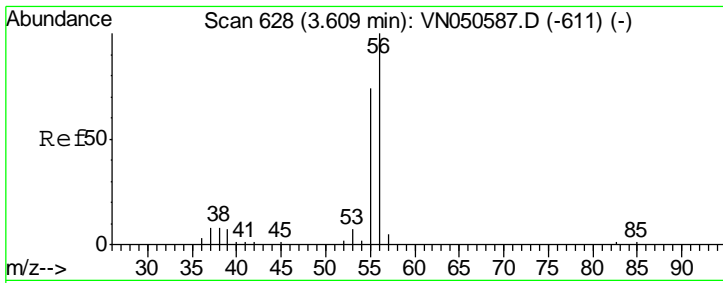
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#12
 1,1-Dichloroethene
 Concen: 44.80 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
96	348154		
61	154.5	126.9	190.3
98	63.4	51.1	76.7



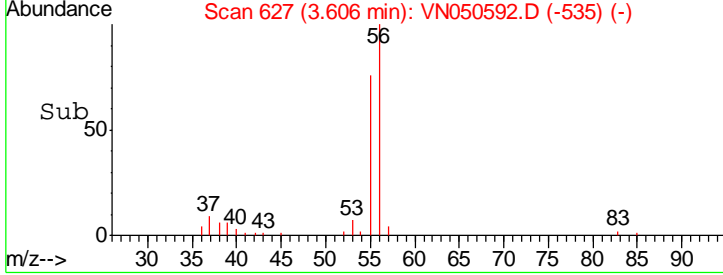
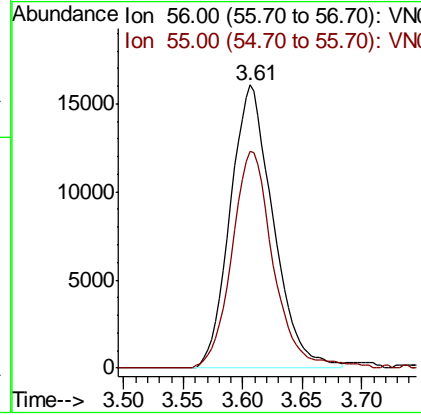
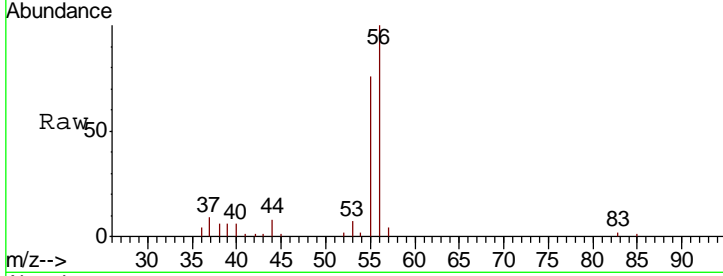


#13
 Acrolein
 Concen: 211.99 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
56	40105		
55	74.3	56.3	84.5

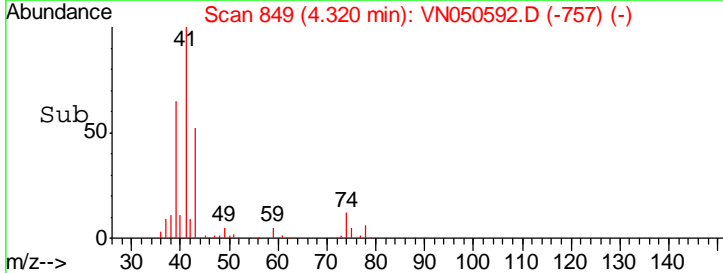
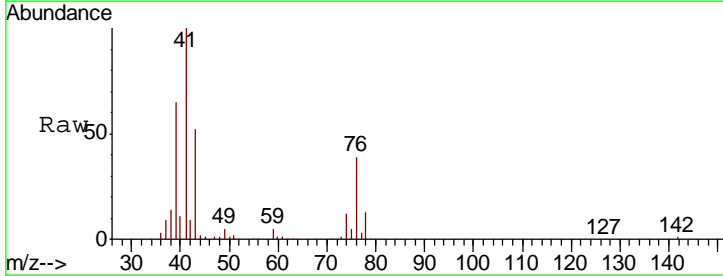
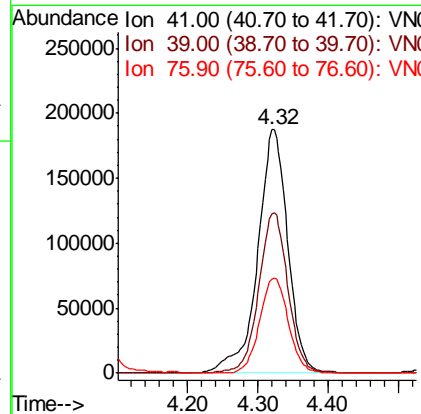
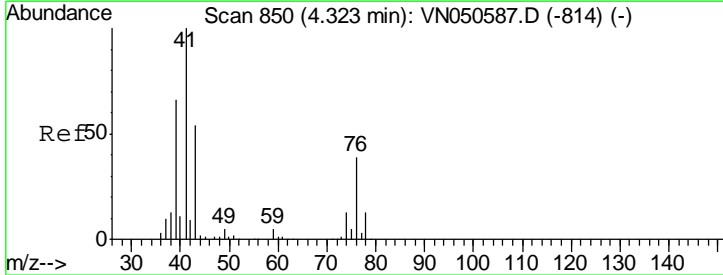
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

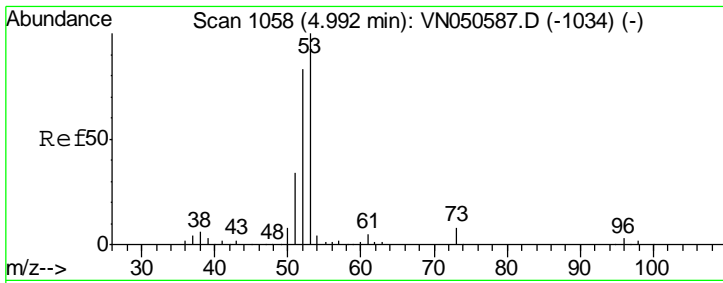
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#14
 Allyl chloride
 Concen: 46.18 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
41	558232		
39	63.9	51.4	77.0
76	36.7	29.4	44.0





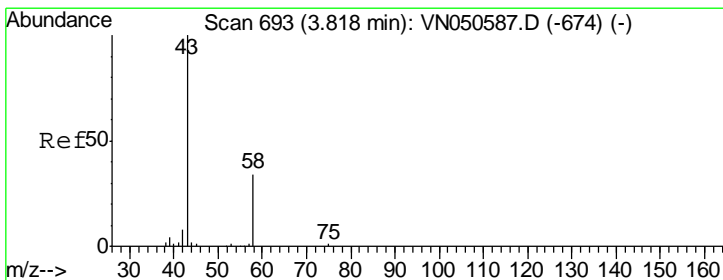
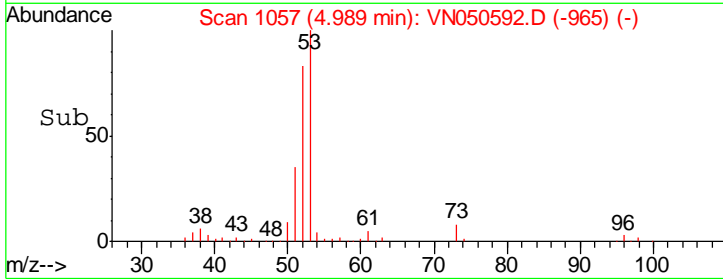
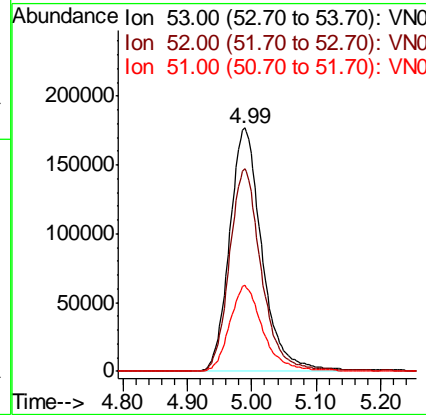
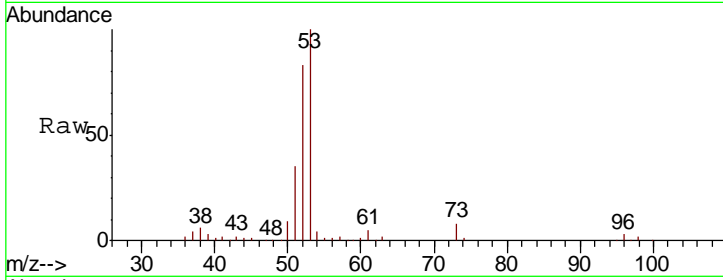
#15
 Acrylonitrile
 Concen: 228.03 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	36.0	28.6	43.0

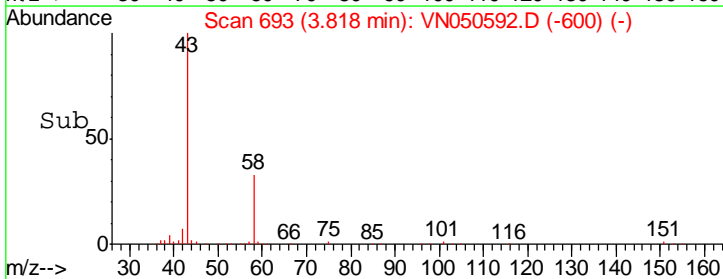
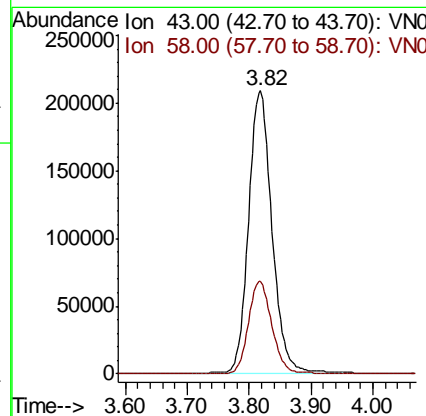
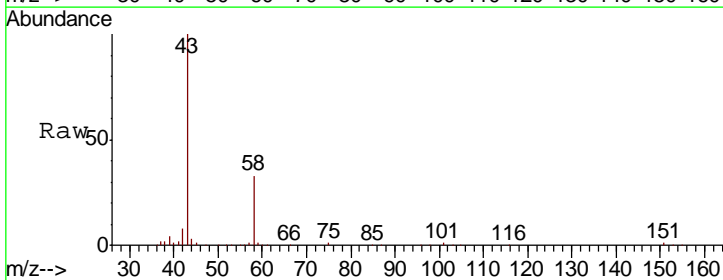
Manual Integrations
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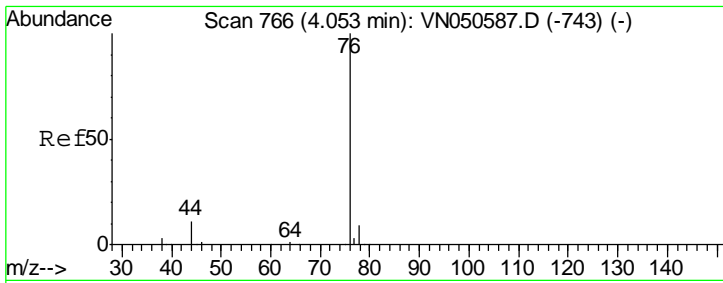
MMDadoda
 8/15/2018 3:31:20 PM



#16
 Acetone
 Concen: 244.61 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.8	27.1	40.7



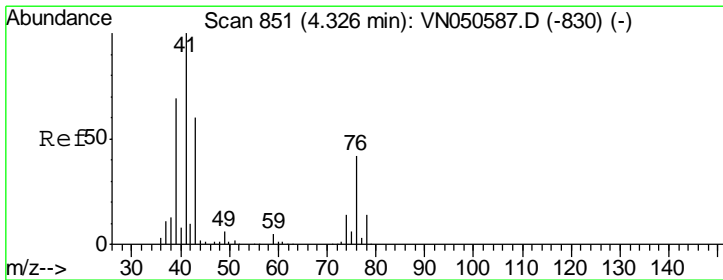
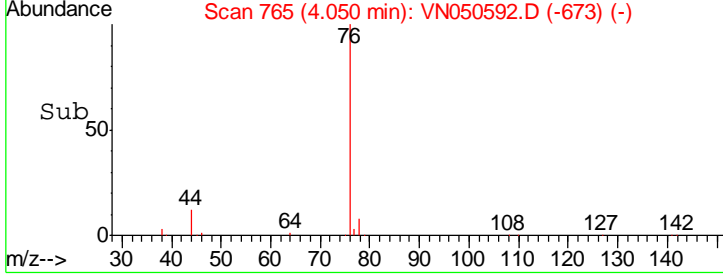
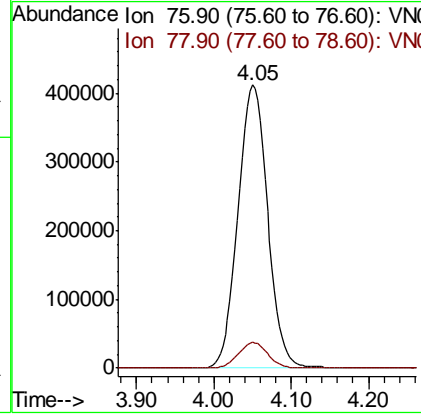
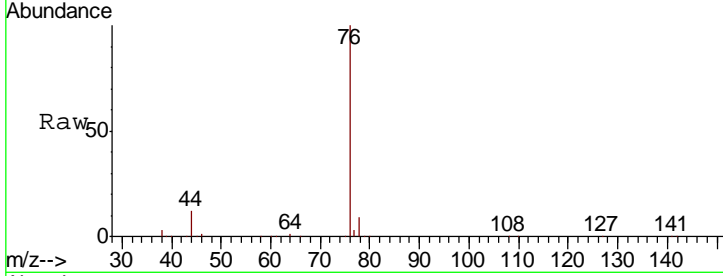


#17
 Carbon Disulfide
 Concen: 44.79 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
76	1095432		
76	100		
78	9.0	7.3	10.9

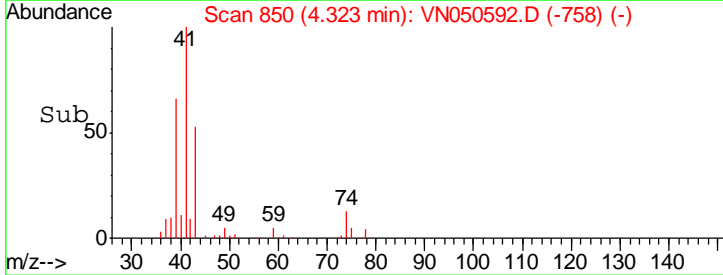
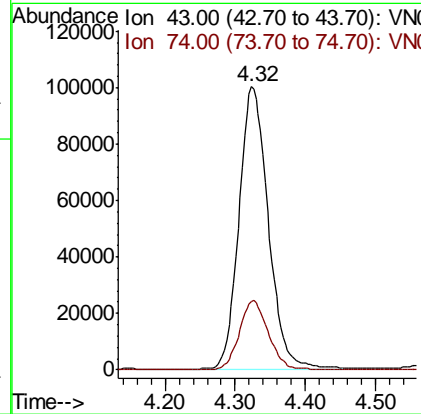
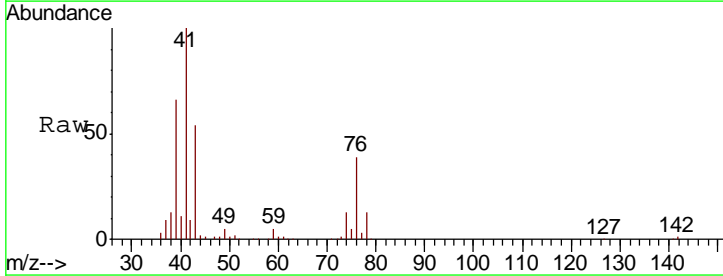
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

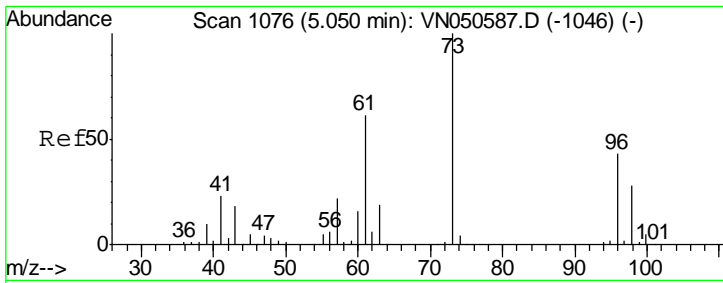
Manual Integrations
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#18
 Methyl Acetate
 Concen: 45.64 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
43	289974		
43	100		
74	24.3	19.7	29.5



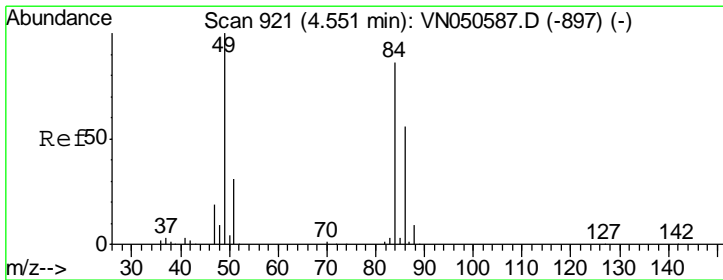
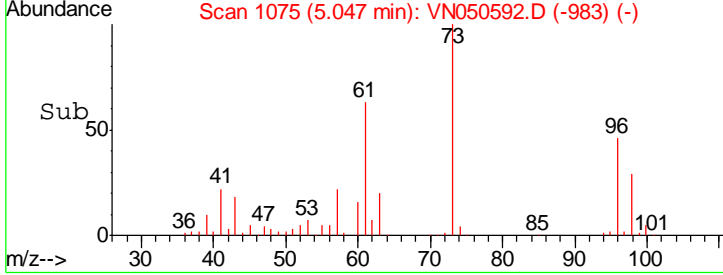
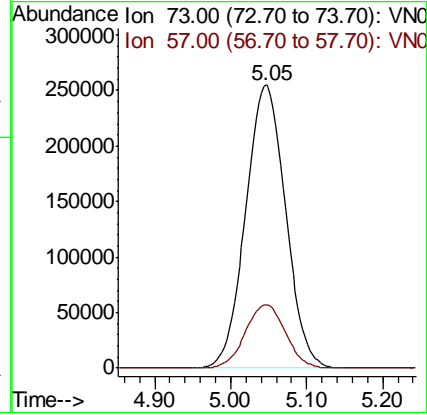
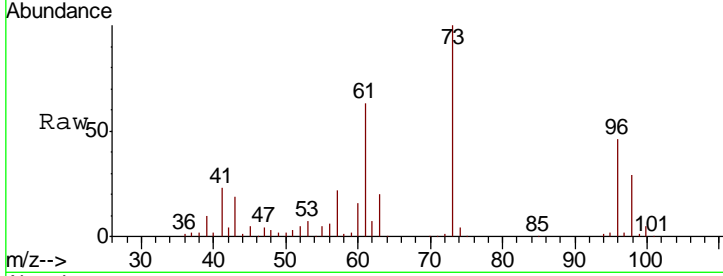


#19
 Methyl tert-butyl Ether
 Concen: 47.09 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
73	100		
57	22.4	17.9	26.9

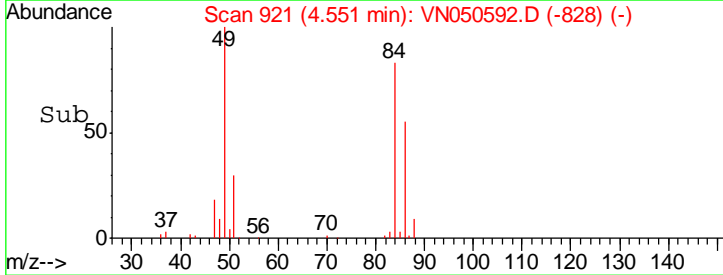
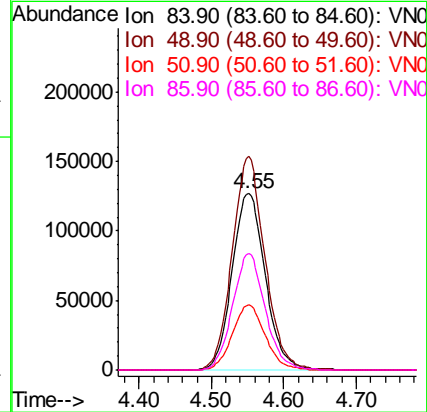
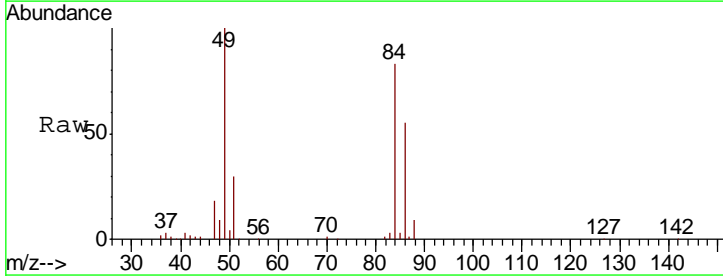
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

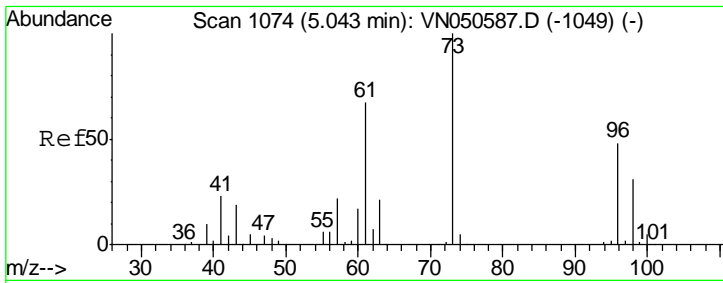
Manual Integrations
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#20
 Methylene Chloride
 Concen: 47.12 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
84	100		
49	121.2	92.6	138.8
51	36.8	28.6	43.0
86	66.1	52.2	78.2



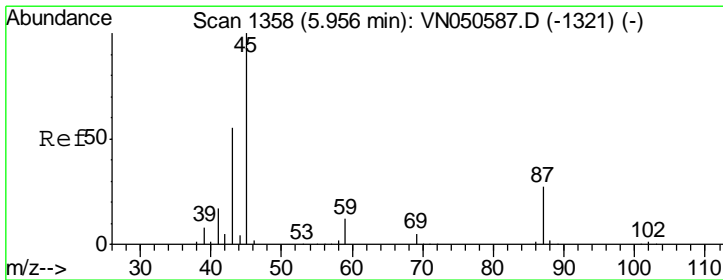
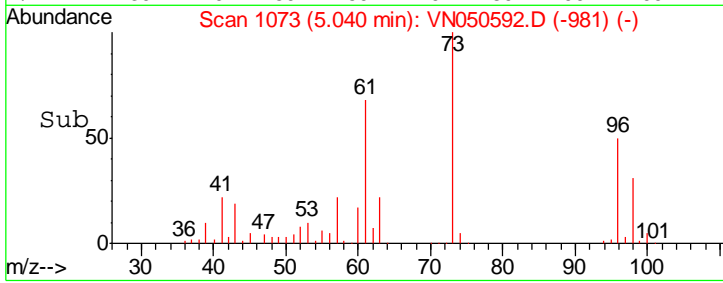
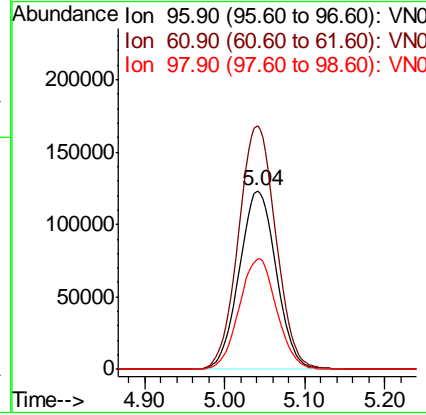
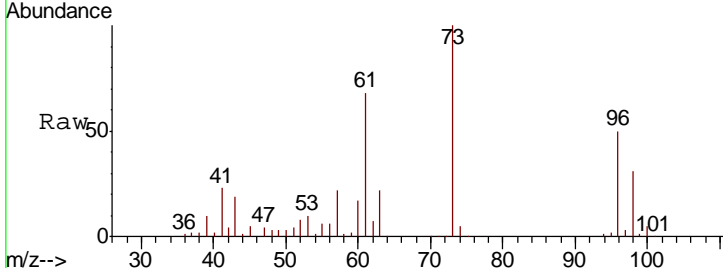


#21
 trans-1,2-Dichloroethene
 Concen: 45.87 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDC050

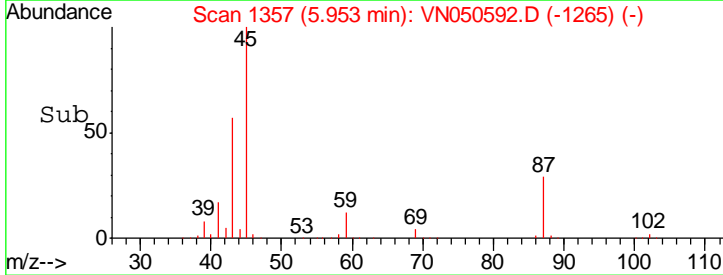
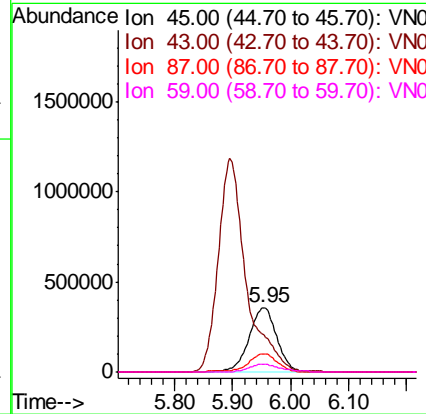
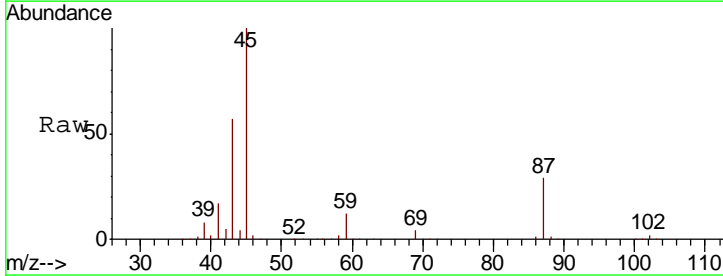
Tgt Ion	Resp	Lower	Upper
96	386495		
96	100		
61	136.4	111.2	166.8
98	61.8	51.6	77.4

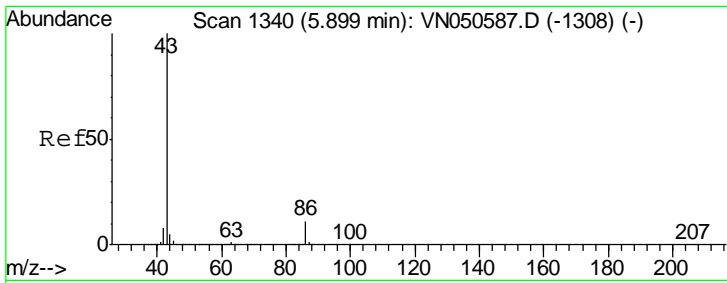
Manual Integrations
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#22
 Diisopropyl ether
 Concen: 48.09 ug/l
 RT: 5.95 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
45	1191935		
45	100		
43	56.5	44.5	66.7
87	28.9	22.2	33.2
59	11.8	9.5	14.3





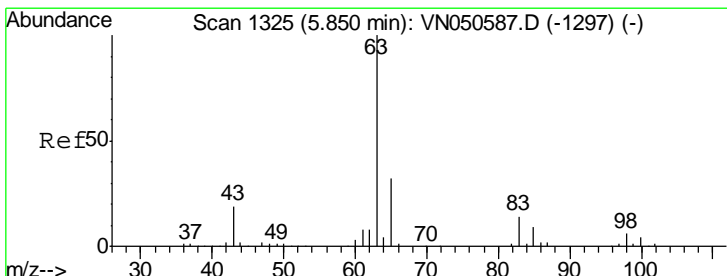
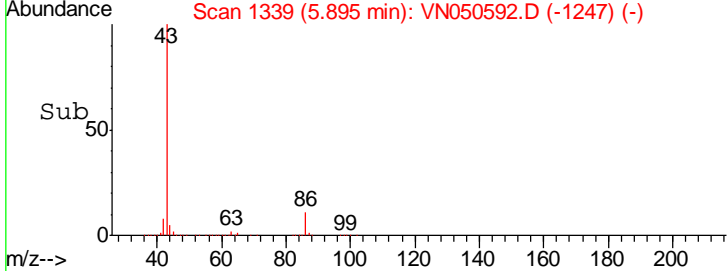
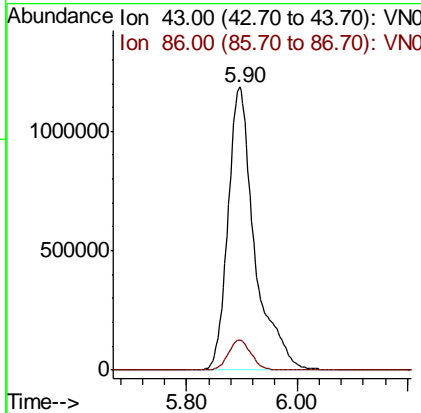
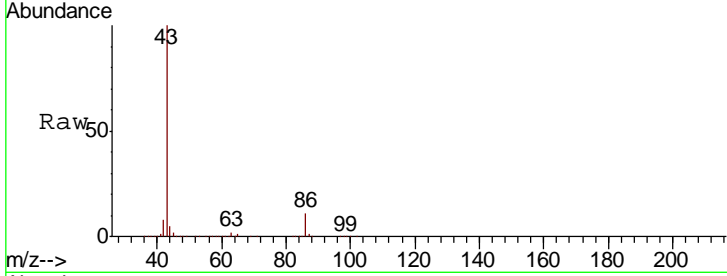
#23
 Vinyl Acetate
 Concen: 245.50 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDC050

Tgt Ion: 43 Resp: 3980618

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.4	12.6

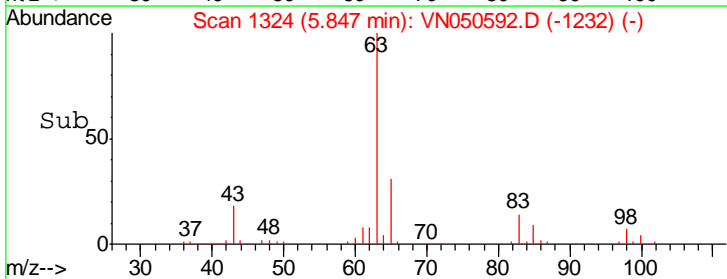
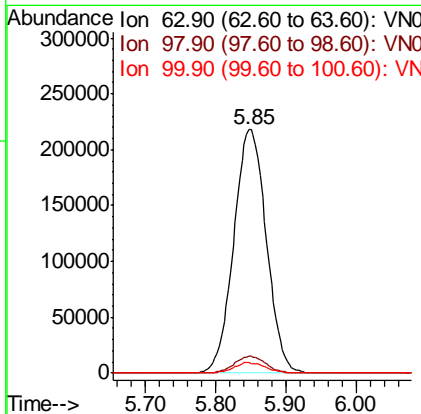
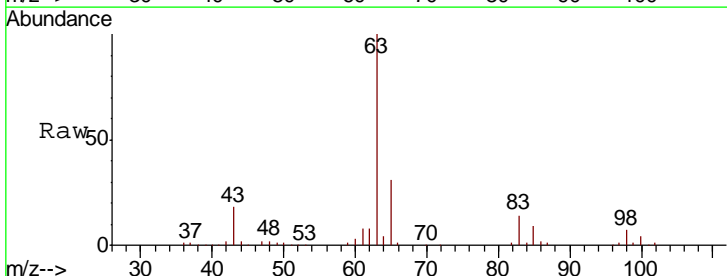
Manual Integrations
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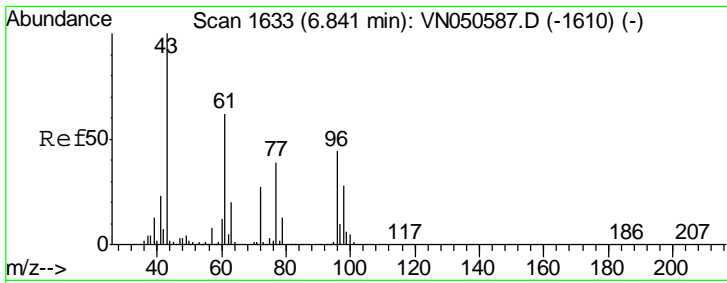


#24
 1,1-Dichloroethane
 Concen: 43.78 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 63 Resp: 702096

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.2	9.6
100	4.2	2.1	6.5



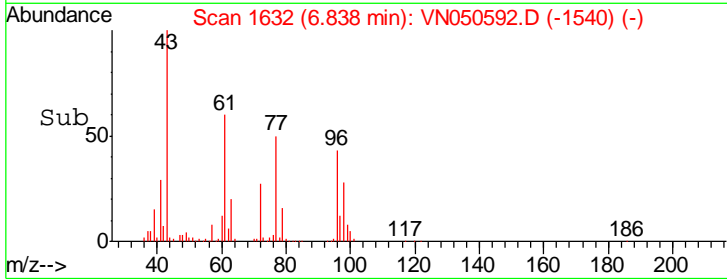
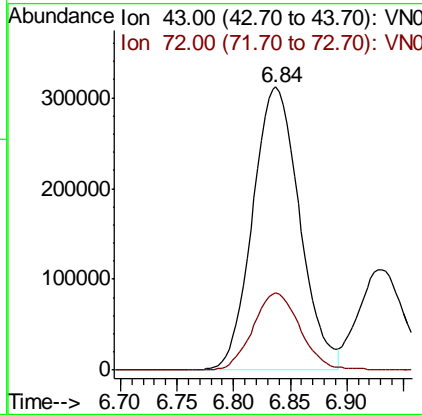
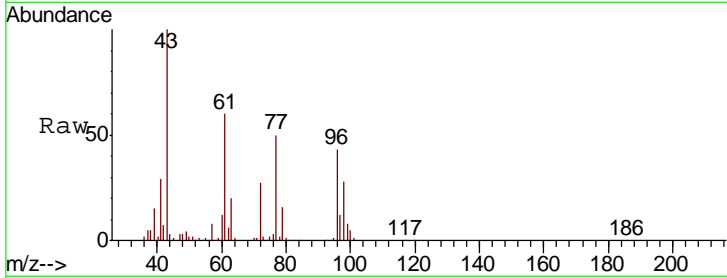


#25
 2-Butanone
 Concen: 242.39 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

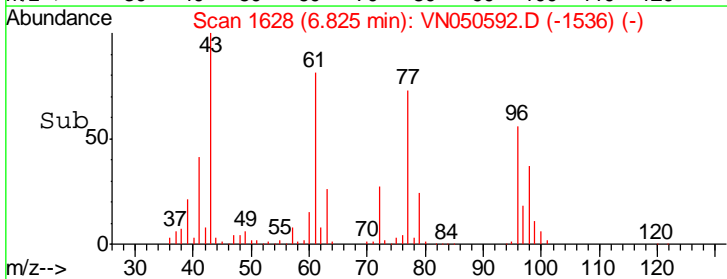
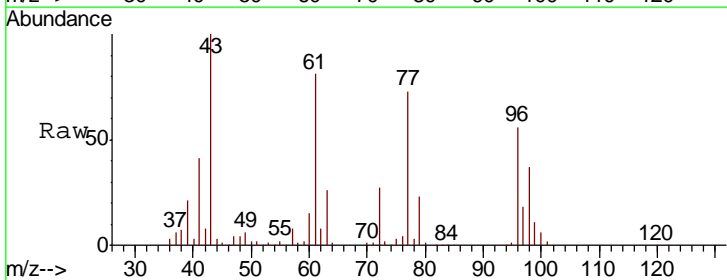
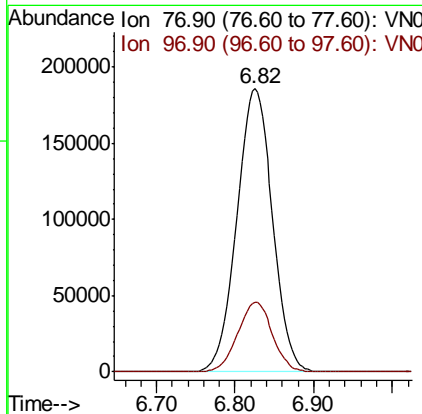
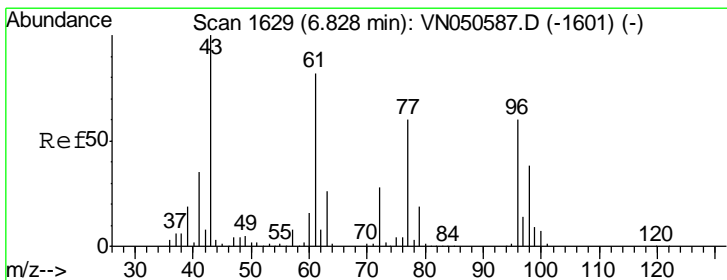
Tgt Ion	Resp	Lower	Upper
43	100		
72	27.5	21.8	32.6

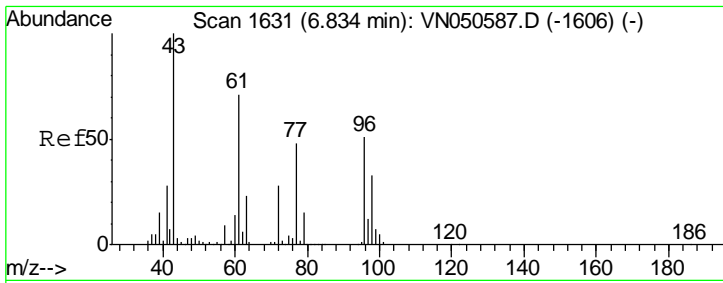
Manual Integrations
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#26
 2,2-Dichloropropane
 Concen: 54.83 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.1	12.2	36.4



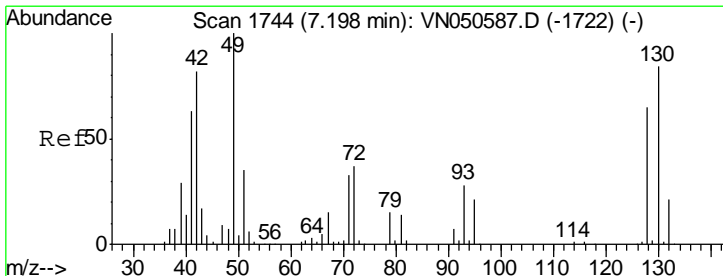
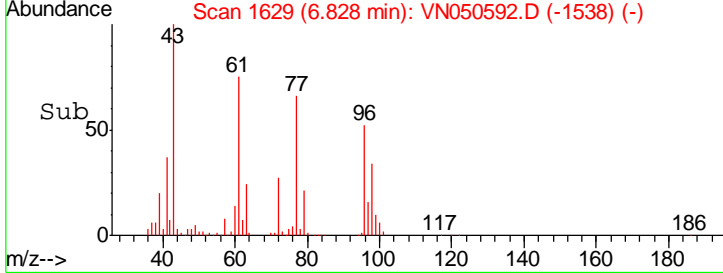
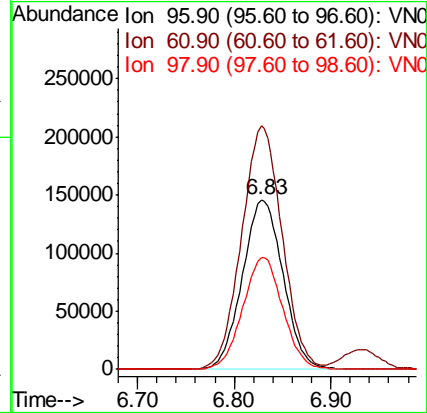
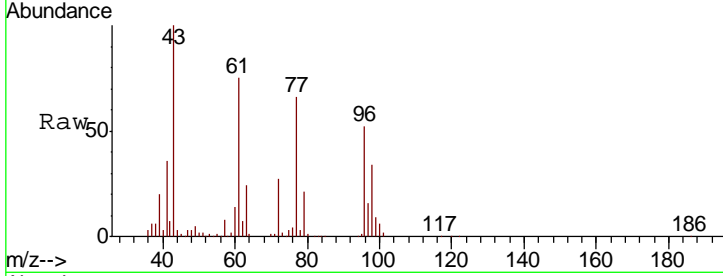


#27
 cis-1,2-Dichloroethene
 Concen: 45.39 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDC050

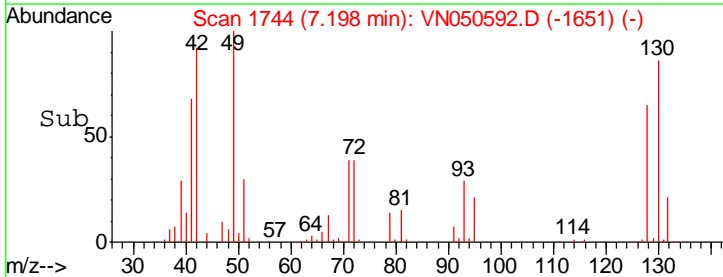
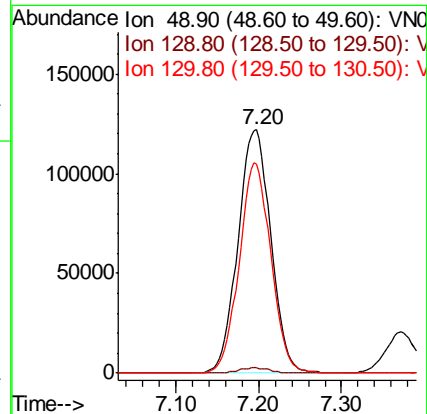
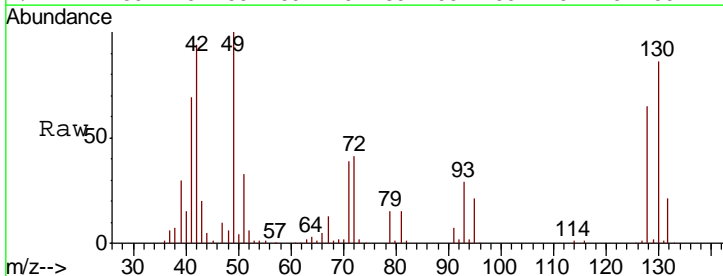
Tgt Ion	Resp	Lower	Upper
96	425848		
96	100		
61	143.3	0.0	278.2
98	65.1	0.0	128.8

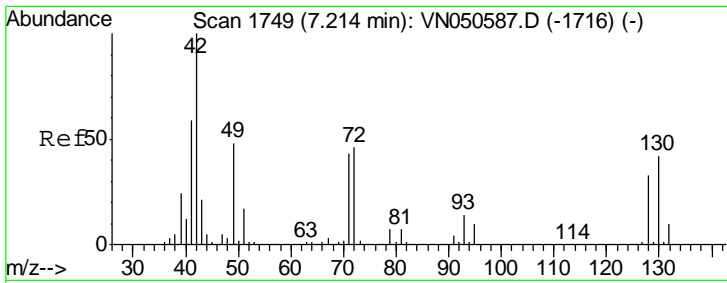
Manual Integrations
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#28
 Bromochloromethane
 Concen: 46.19 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
49	337129		
49	100		
129	2.0	0.0	4.2
130	83.2	66.8	100.2





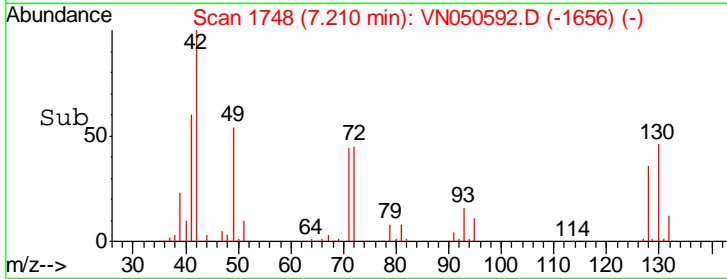
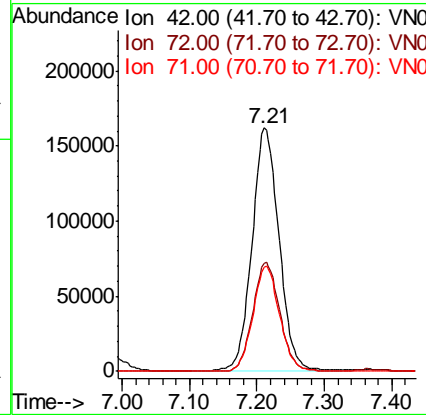
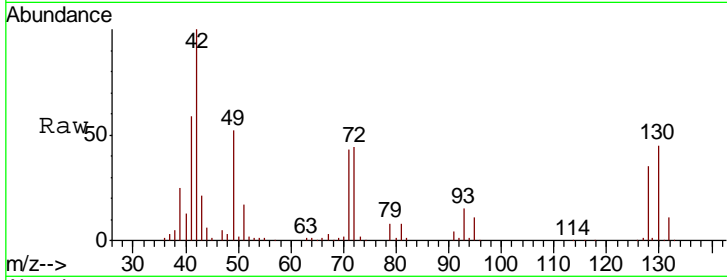
#29
 Tetrahydrofuran
 Concen: 233.67 ug/l
 RT: 7.21 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
42	100		
72	45.1	35.8	53.6
71	42.5	33.4	50.0

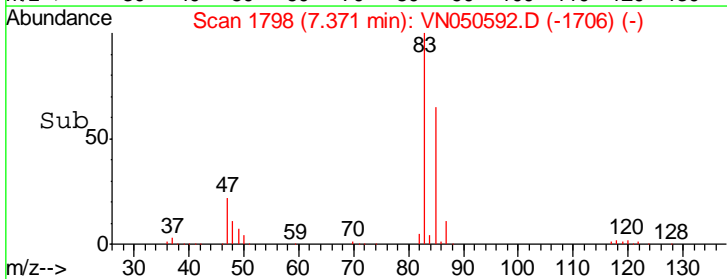
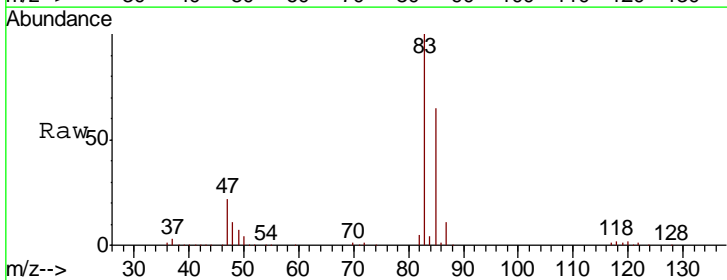
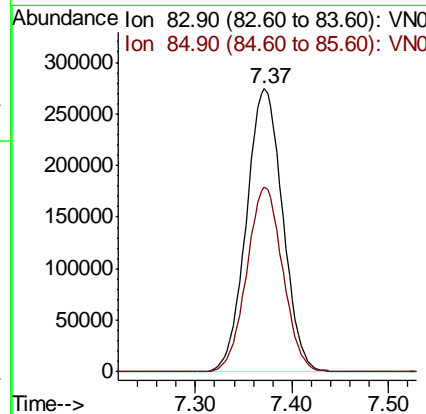
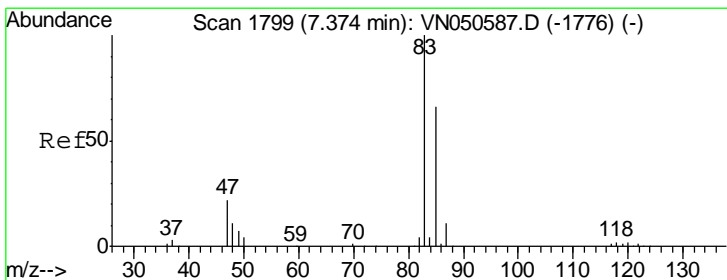
Manual Integrations
 APPROVED

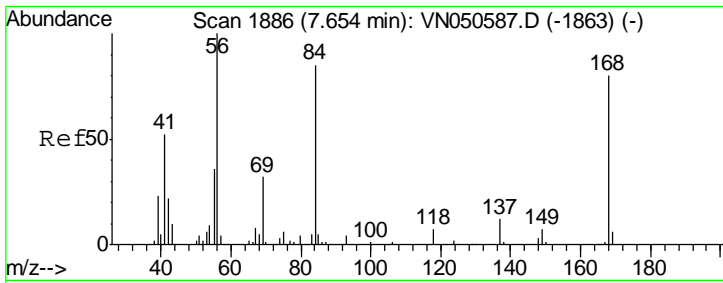
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#30
 Chloroform
 Concen: 44.02 ug/l
 RT: 7.37 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.4	52.5	78.7





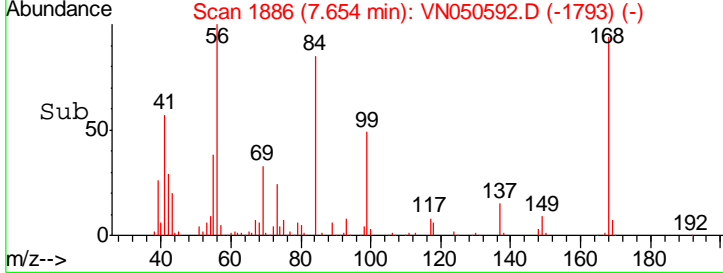
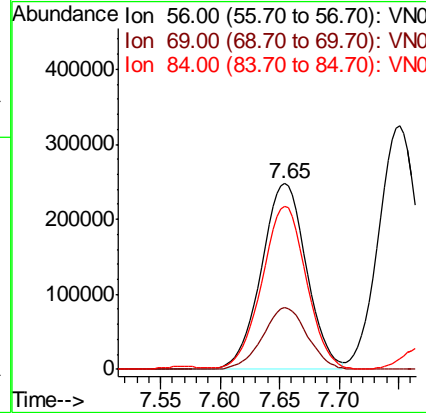
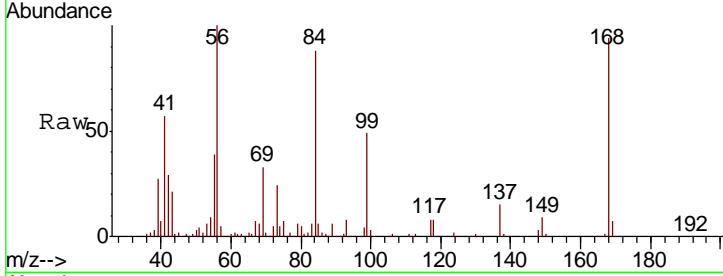
#31
 Cyclohexane
 Concen: 47.43 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	33.3	25.8	38.6
84	86.6	67.8	101.6

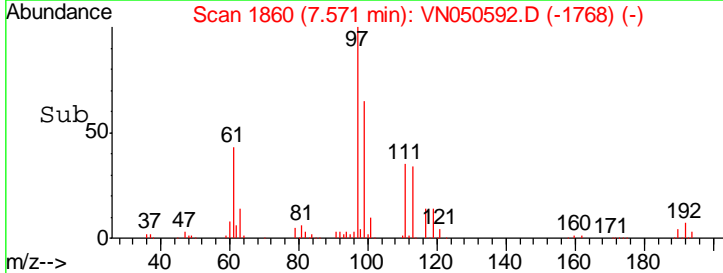
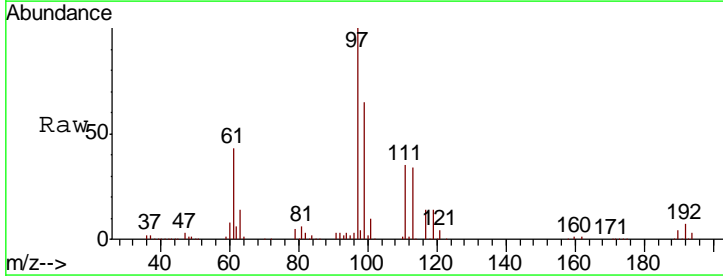
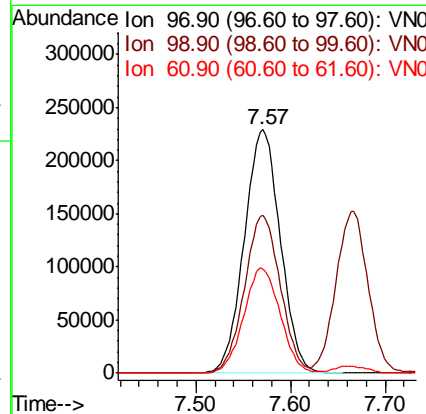
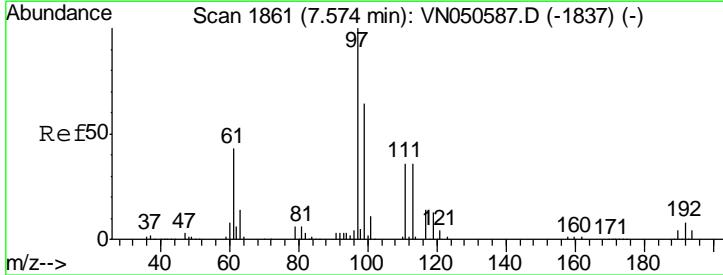
Manual Integrations
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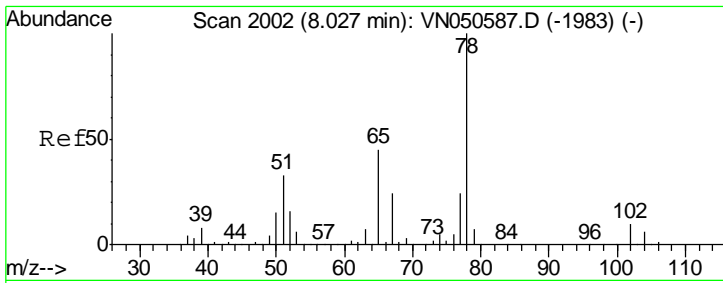
MMDadoda
 8/15/2018 3:31:20 PM



#32
 1,1,1-Trichloroethane
 Concen: 44.40 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	43.7	34.8	52.2



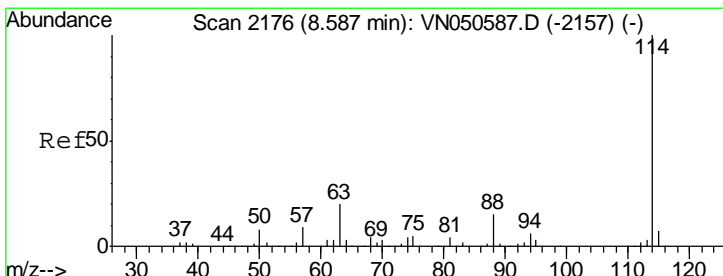
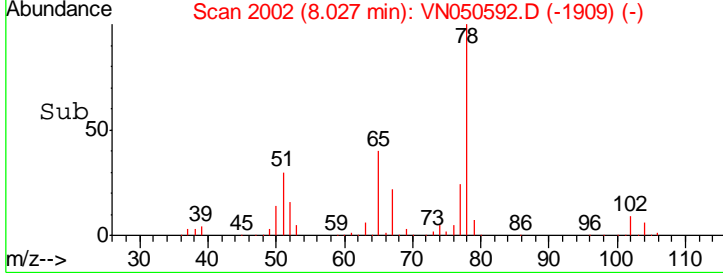
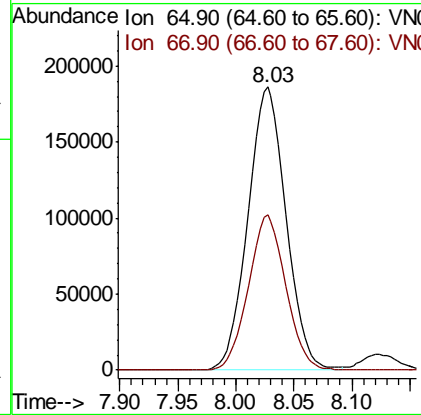
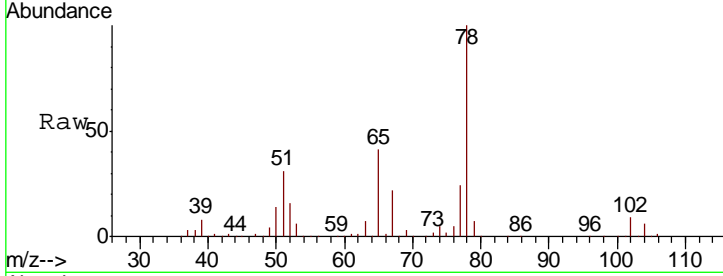


#33
 1,2-Dichloroethane-d4
 Concen: 47.24 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

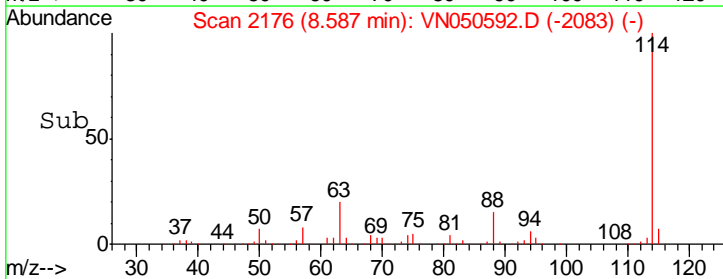
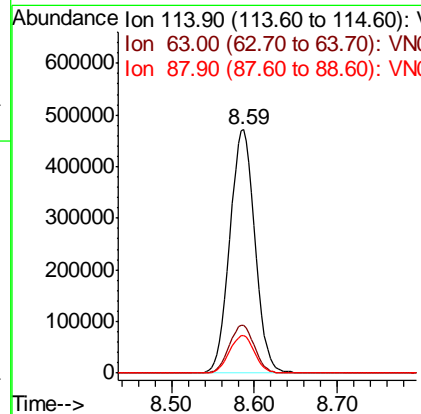
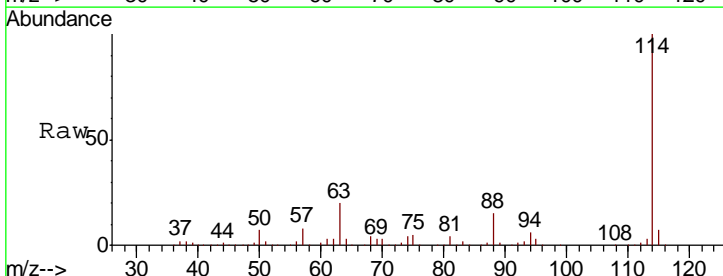
Tgt Ion	Resp	Lower	Upper
65	100		
67	53.8	0.0	109.8

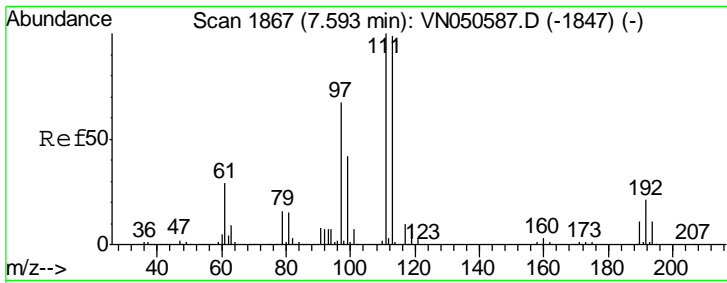
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

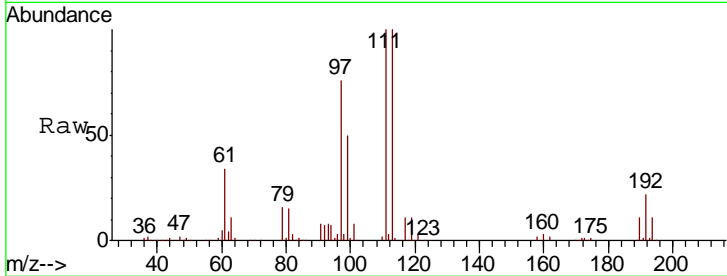
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.5	0.0	40.0
88	15.4	0.0	30.8





#35
 Dibromofluoromethane
 Concen: 50.50 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

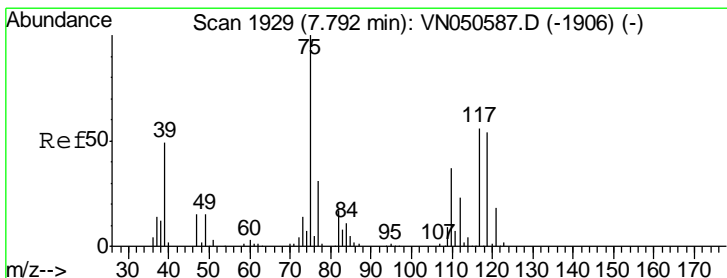
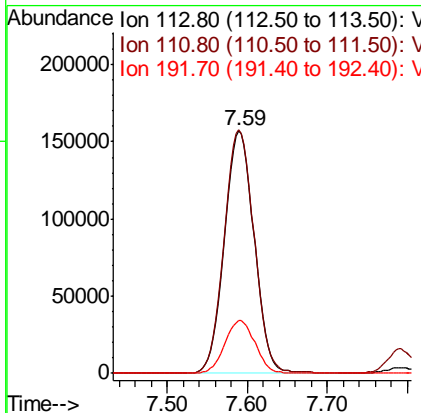
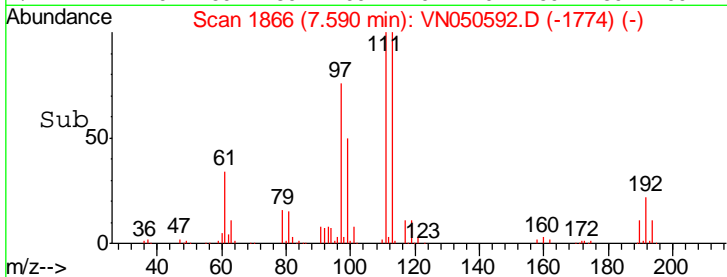
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050



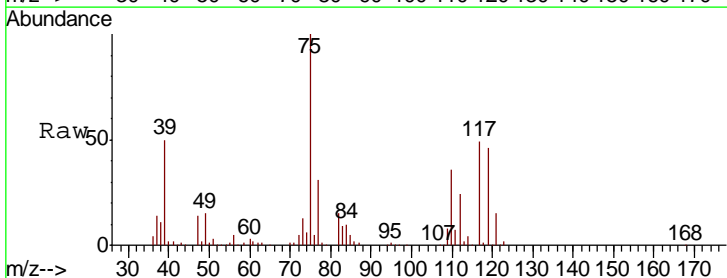
Tgt Ion: 113 Resp: 399717

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.0	121.6
192	22.0	17.6	26.4

Manual Integrations
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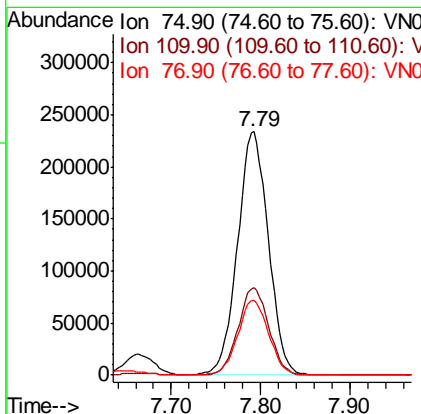
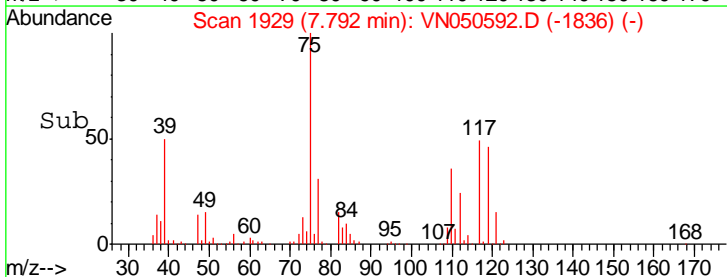


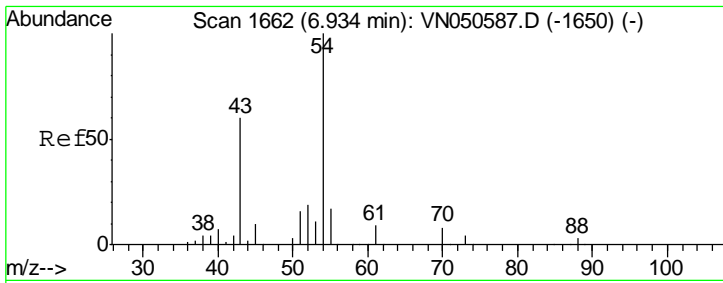
#36
 1,1-Dichloropropene
 Concen: 50.49 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45



Tgt Ion: 75 Resp: 557216

Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.3	54.9
77	31.1	25.0	37.4





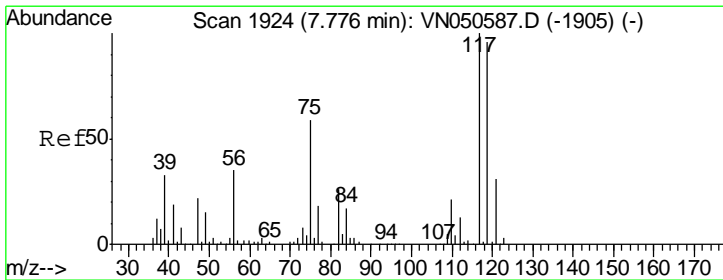
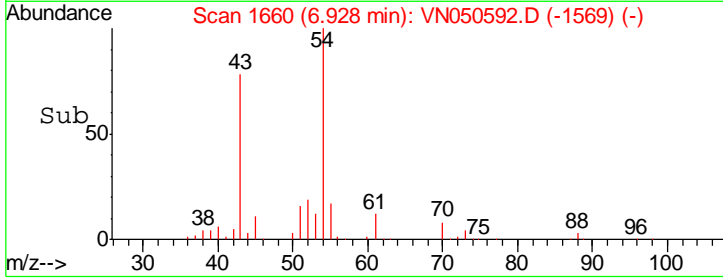
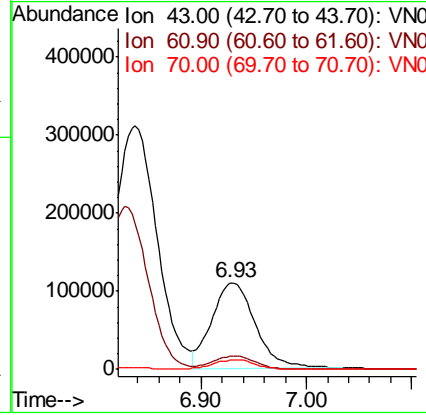
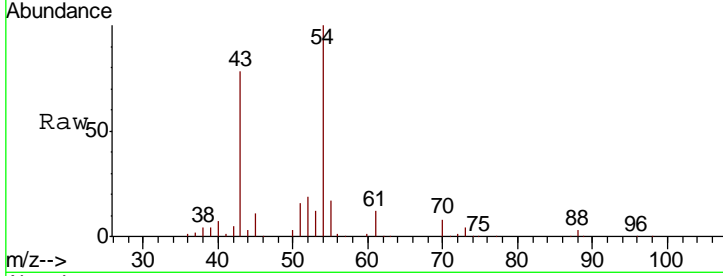
#37
 Ethyl Acetate
 Concen: 50.61 ug/l
 RT: 6.93 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	10.4	8.5	12.7

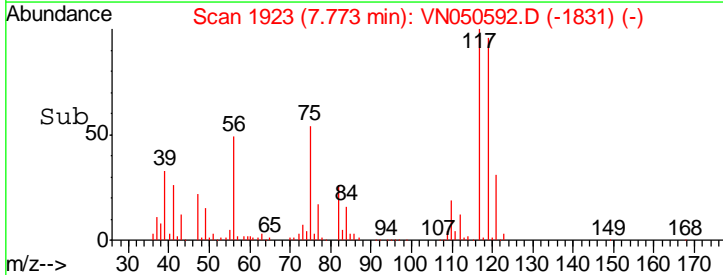
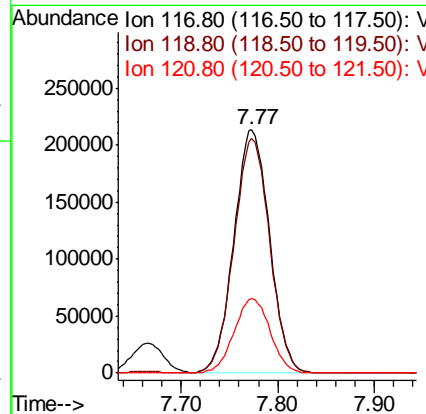
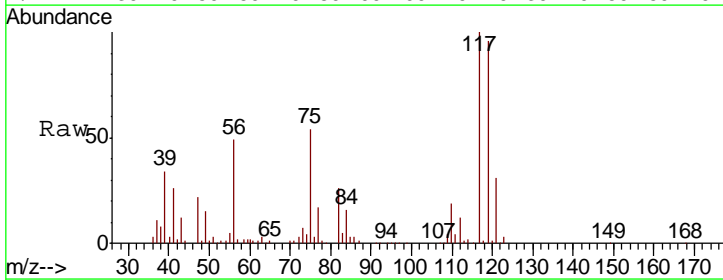
Manual Integrations
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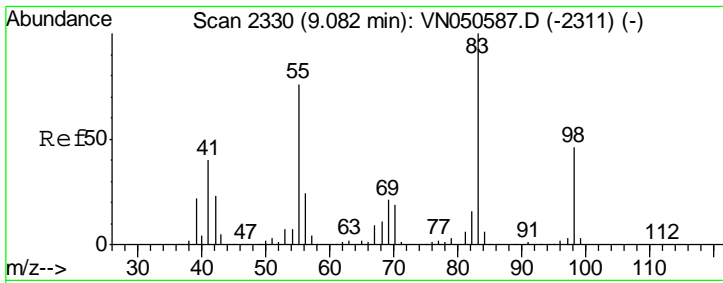
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 8/15/2018 3:31:20 PM



#38
 Carbon Tetrachloride
 Concen: 47.72 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
117	100		
119	96.5	76.6	115.0
121	30.9	25.0	37.6





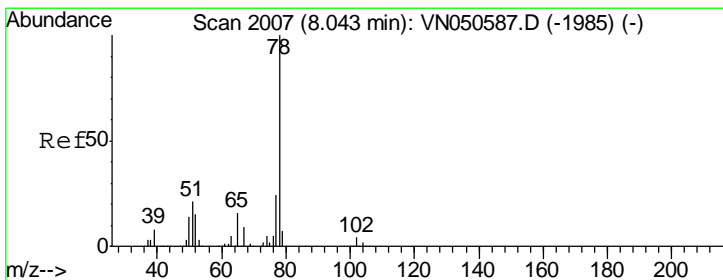
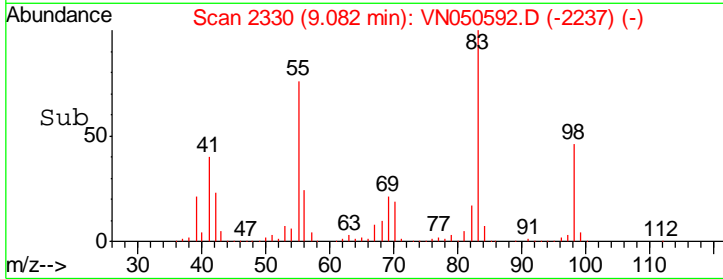
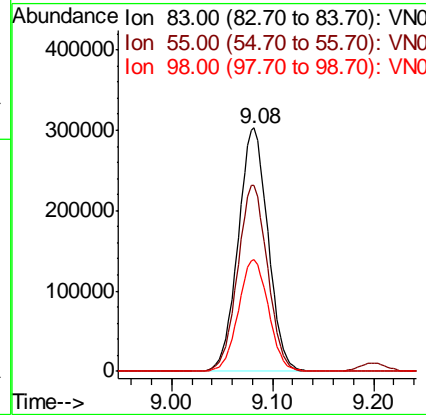
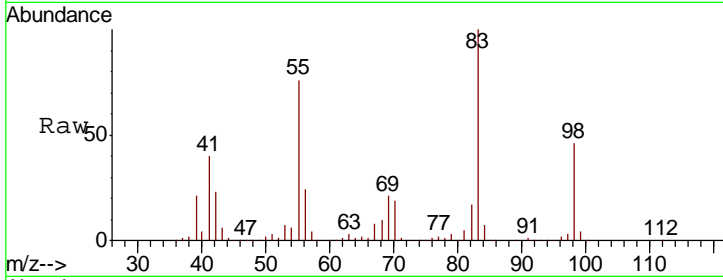
#39
 Methylcyclohexane
 Concen: 54.38 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	100		
55	76.3	60.6	91.0
98	45.8	37.0	55.4

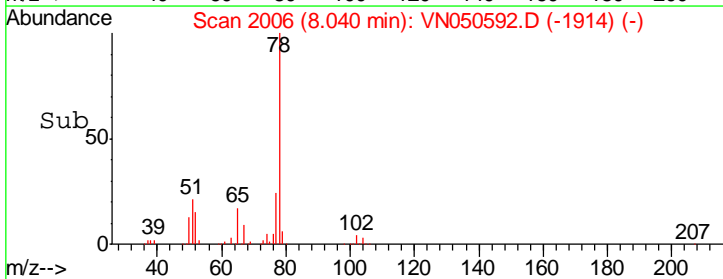
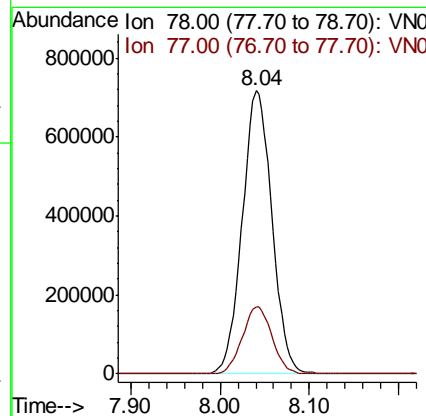
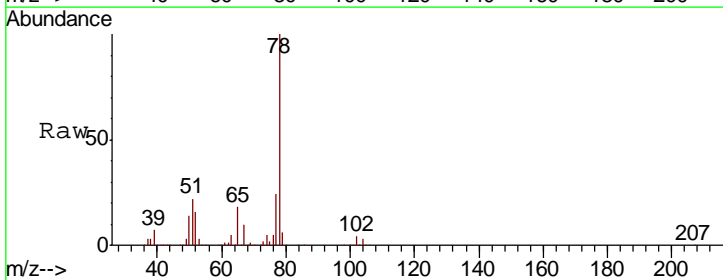
Manual Integrations
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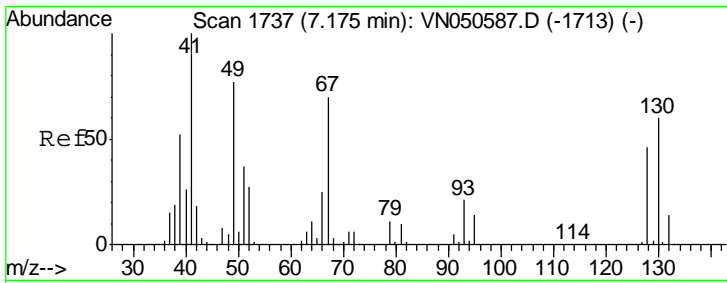
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#40
 Benzene
 Concen: 49.38 ug/l
 RT: 8.04 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

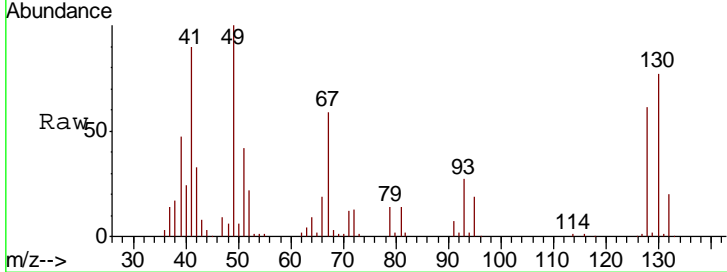
Tgt Ion	Resp	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41
 Methacrylonitrile
 Concen: 50.86 ug/l
 RT: 7.18 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

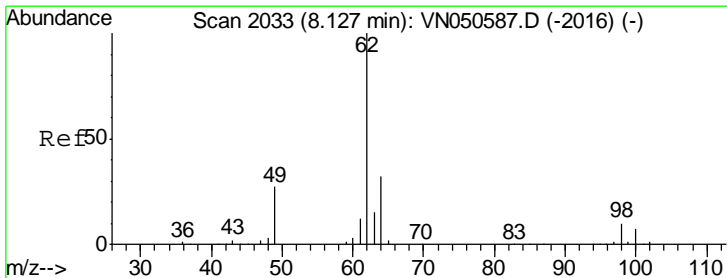
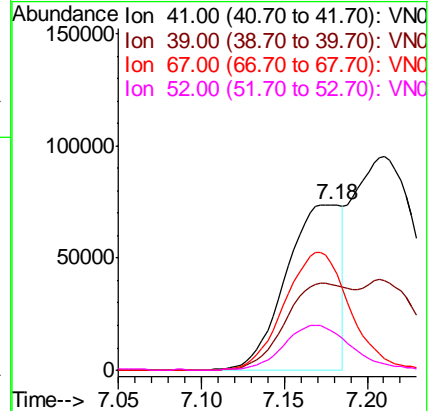
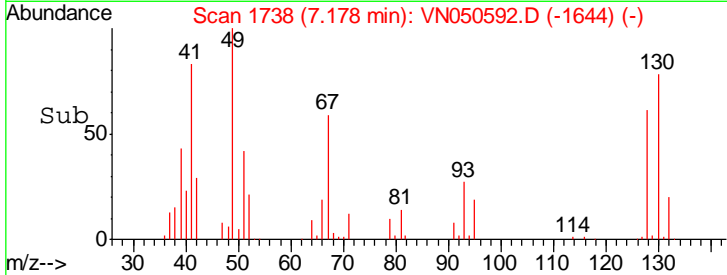
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



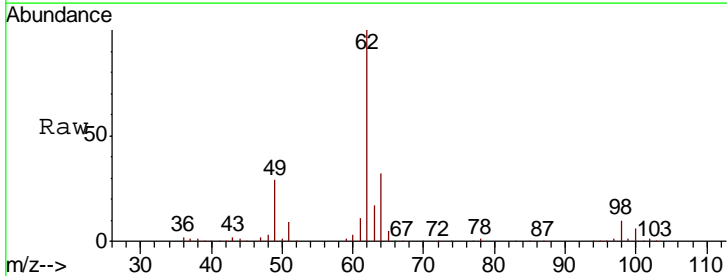
Tgt Ion: 41 Resp: 171535

Ion	Ratio	Lower	Upper
41	100		
39	64.6	44.6	66.8
67	84.7	66.7	100.1
52	32.5	26.5	39.7

Manual Integrations
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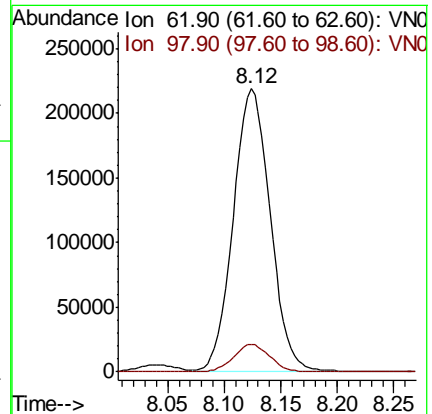
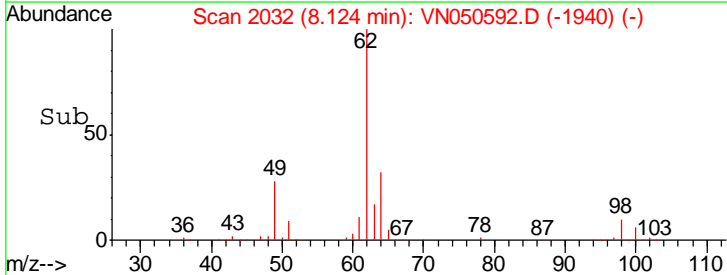


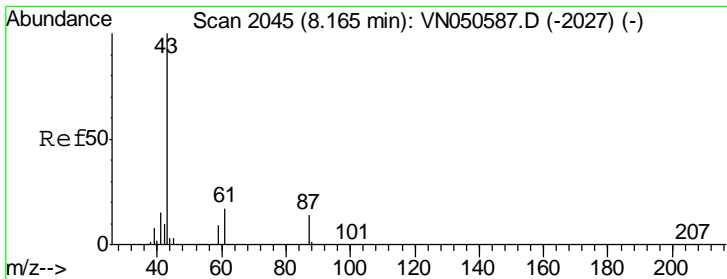
#42
 1,2-Dichloroethane
 Concen: 48.20 ug/l
 RT: 8.12 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45



Tgt Ion: 62 Resp: 495952

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





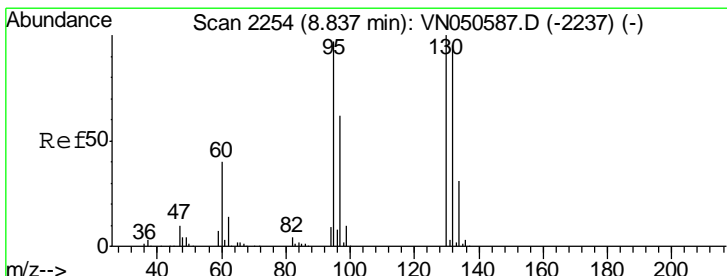
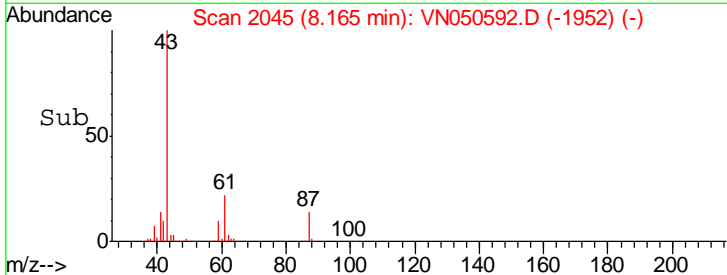
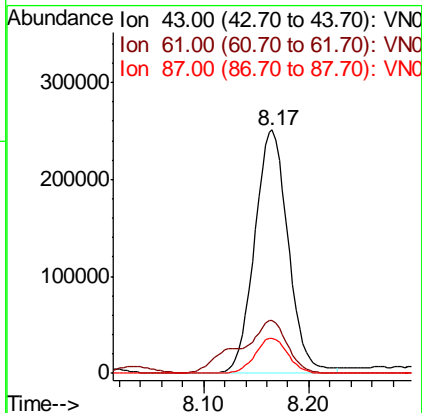
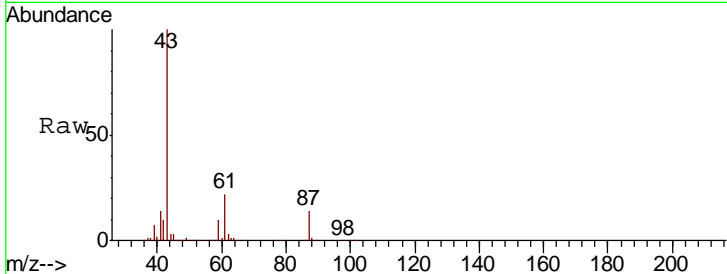
#43
 Isopropyl Acetate
 Concen: 48.88 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.8	16.2	24.2
87	14.1	10.9	16.3

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

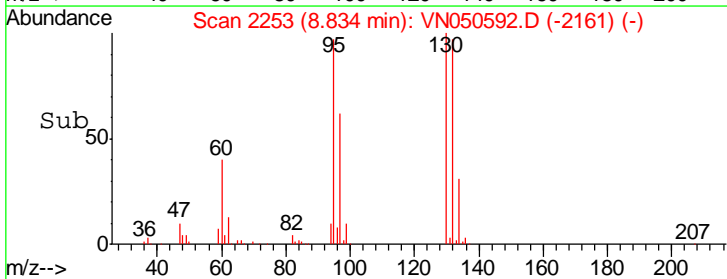
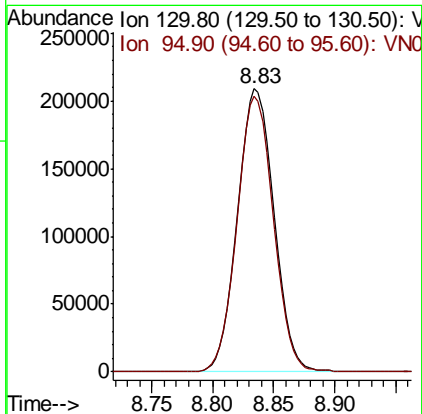
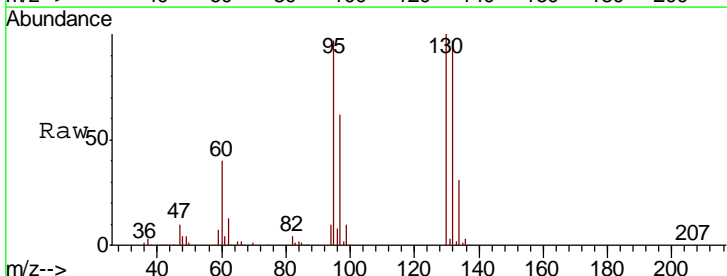
Manual Integrations
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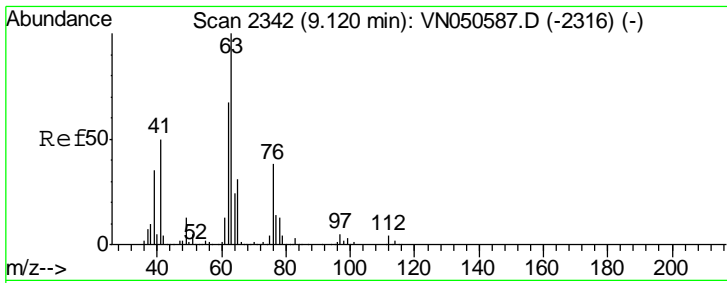
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 8/15/2018 3:31:20 PM



#44
 Trichloroethene
 Concen: 48.15 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
130	100		
95	97.4	0.0	193.8





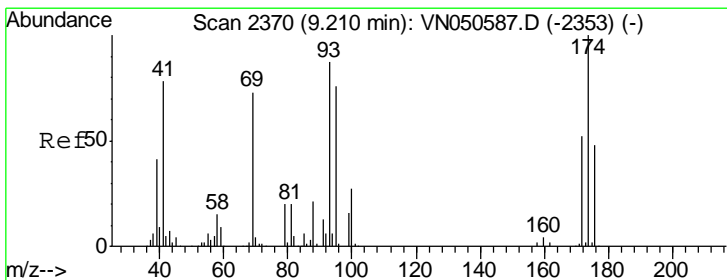
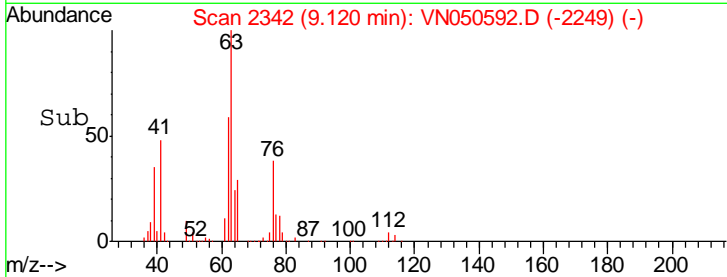
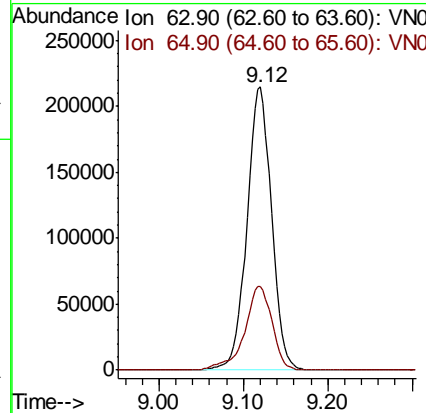
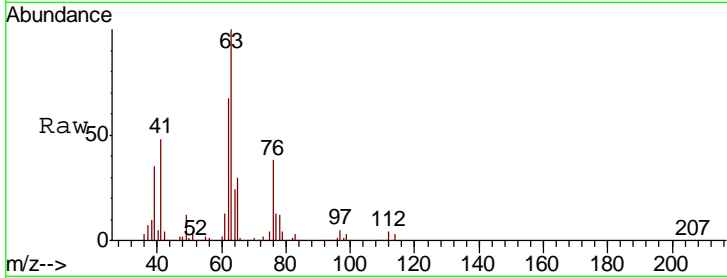
#45
 1,2-Dichloropropane
 Concen: 48.87 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
63	100		
65	29.6	24.5	36.7

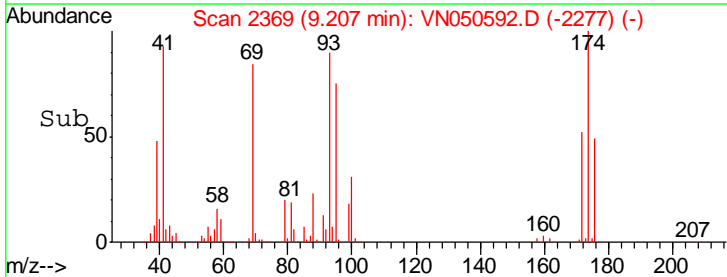
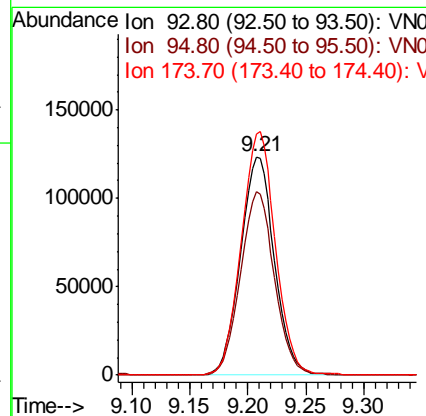
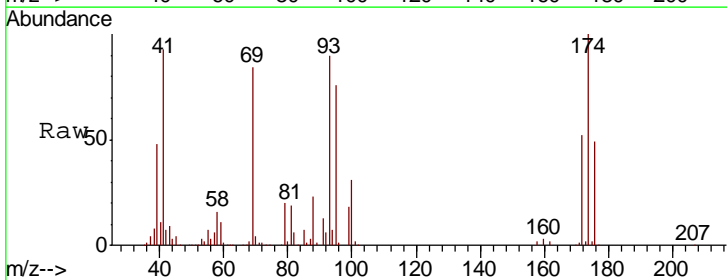
Manual Integrations
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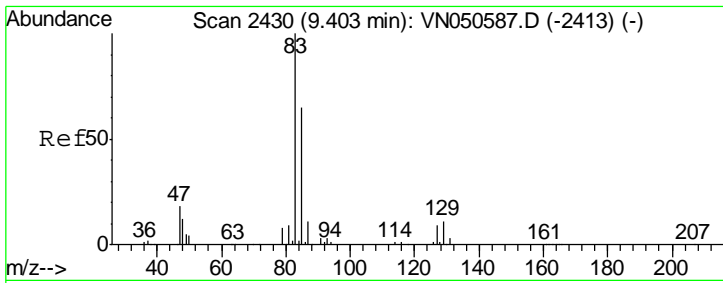
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 8/15/2018 3:31:20 PM



#46
 Dibromomethane
 Concen: 47.54 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.7	69.1	103.7
174	112.2	91.0	136.6





#47

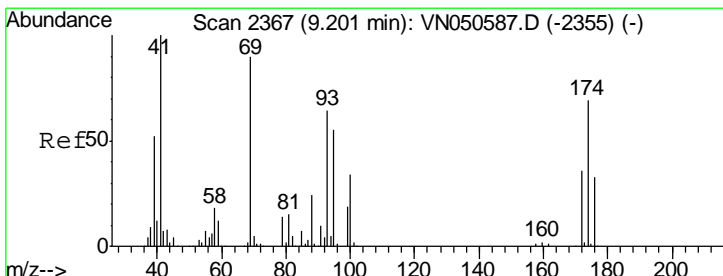
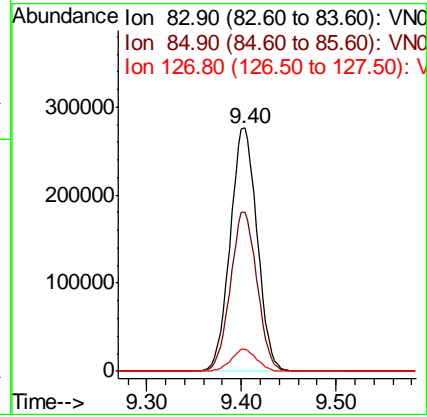
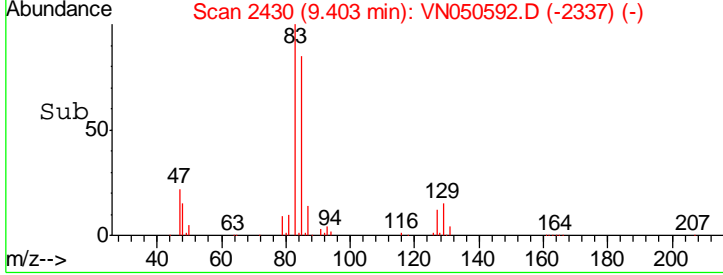
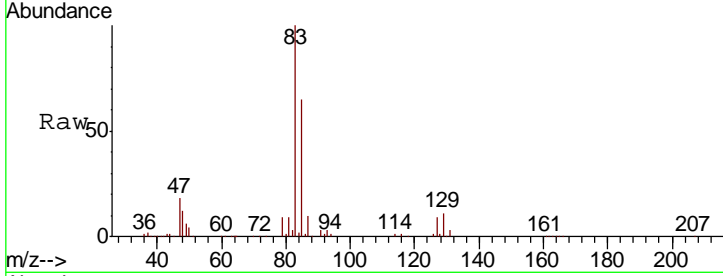
Bromodichloromethane
 Concen: 48.47 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	100		
85	65.3	51.8	77.6
127	9.1	7.2	10.8

Manual Integrations
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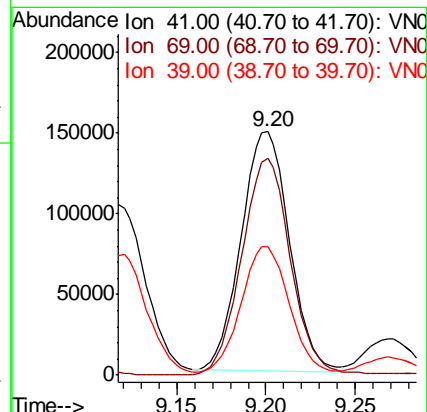
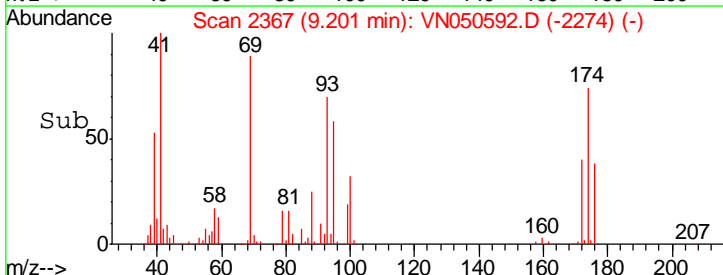
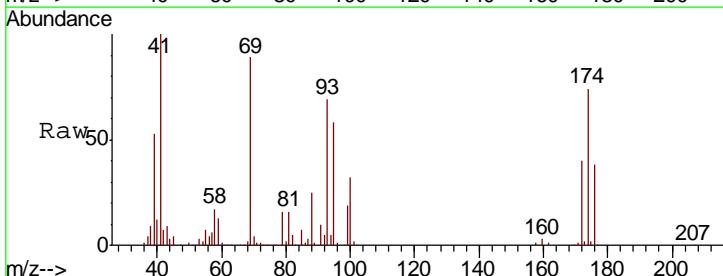
MMDadoda
 8/15/2018 3:31:20 PM

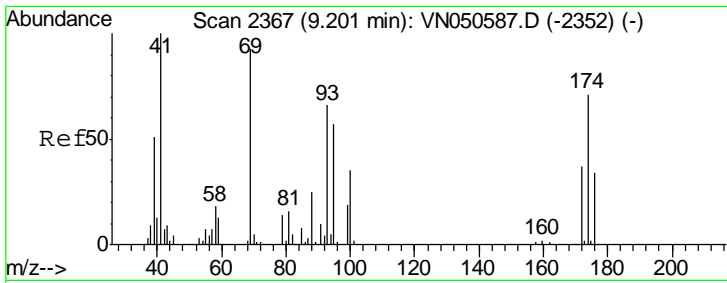


#48

Methyl methacrylate
 Concen: 48.99 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
41	100		
69	92.1	73.4	110.0
39	54.1	43.0	64.6





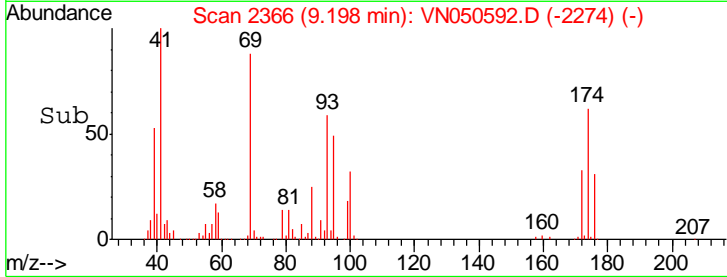
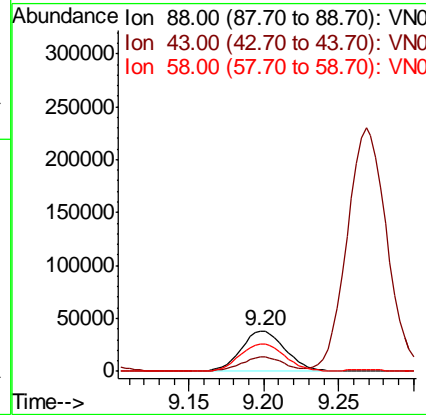
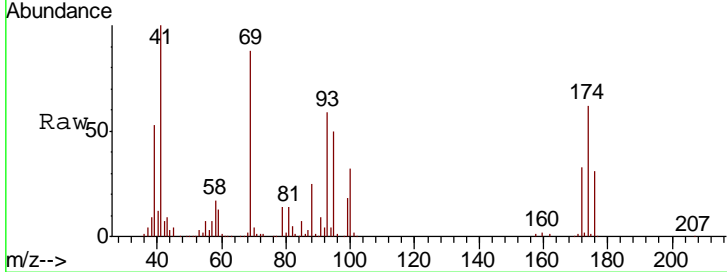
#49
 1,4-Dioxane
 Concen: 1041.75 ug/l
 RT: 9.20 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
88	100		
43	32.1	25.9	38.9
58	69.6	56.5	84.7

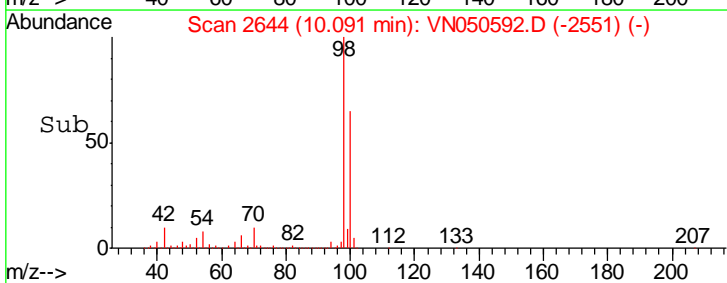
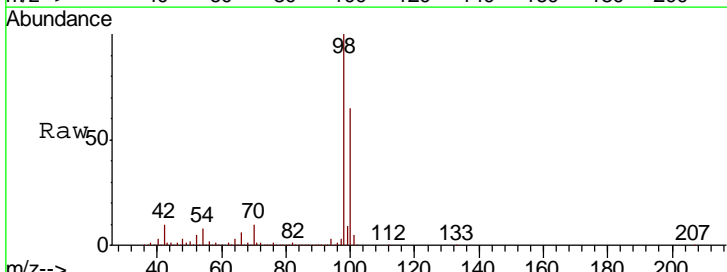
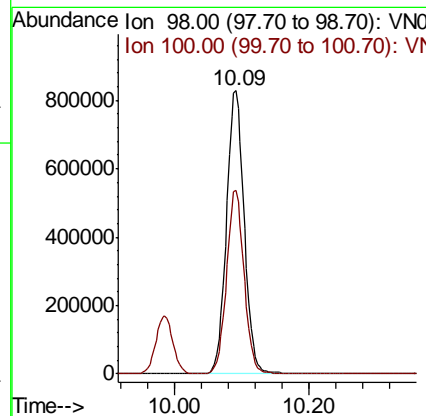
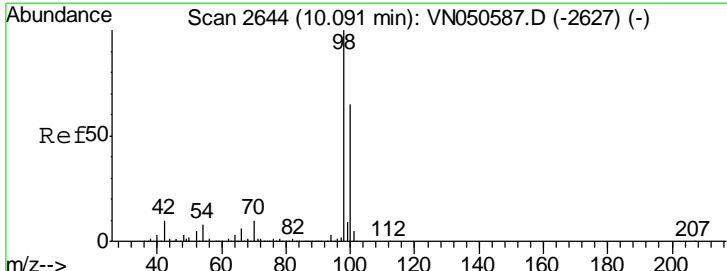
Manual Integrations
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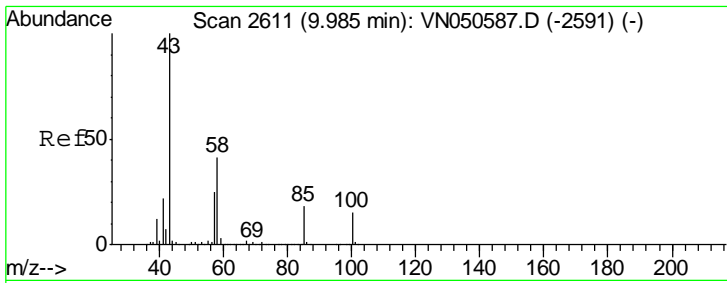
MMDadoda
 8/15/2018 3:31:20 PM



#50
 Toluene-d8
 Concen: 51.22 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.9	51.8	77.8





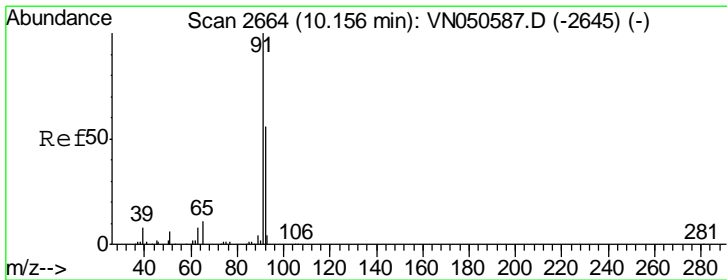
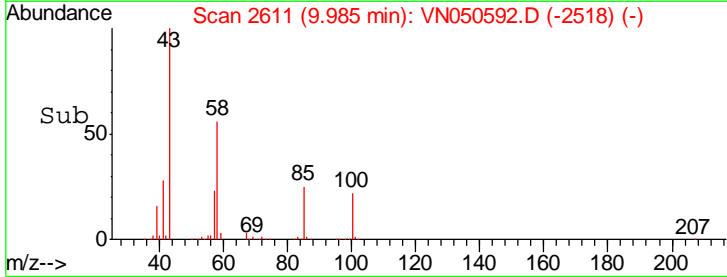
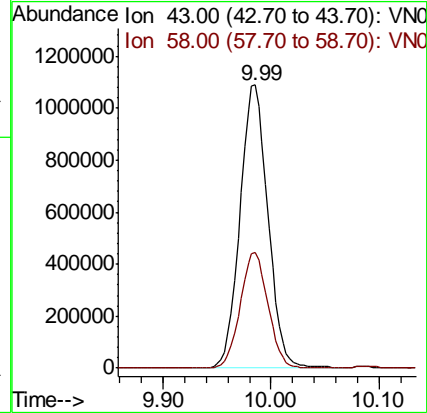
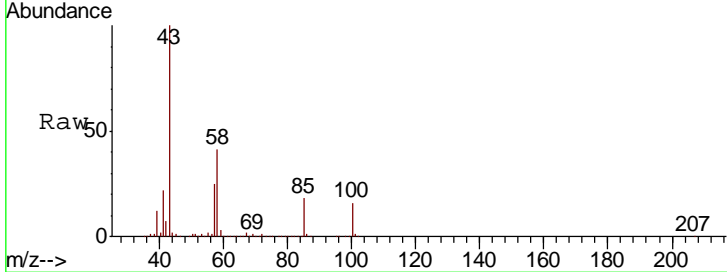
#51
 4-Methyl-2-Pentanone
 Concen: 256.11 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 1969243

Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.5	48.7

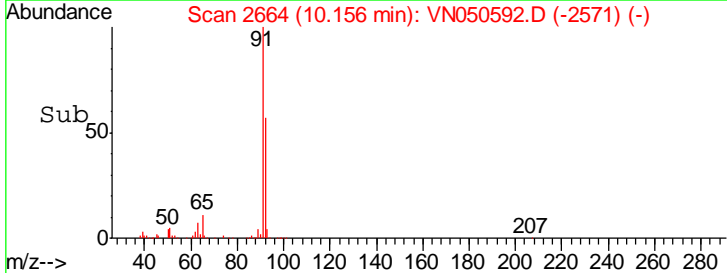
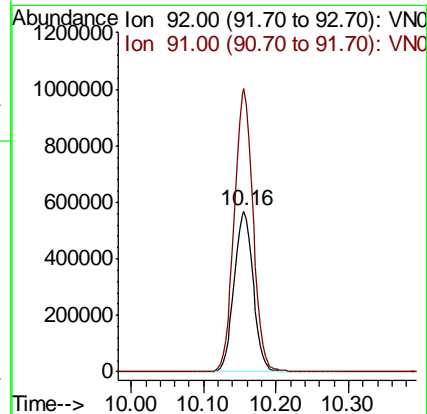
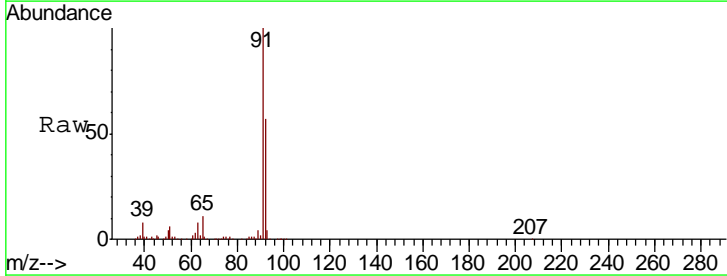
Manual Integrations
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 MMDadoda
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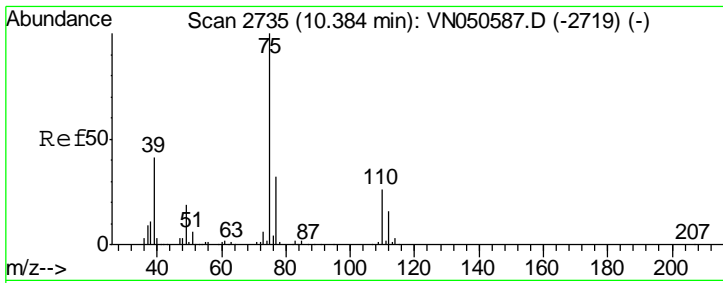


#52
 Toluene
 Concen: 52.05 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 92 Resp: 1043404

Ion	Ratio	Lower	Upper
92	100		
91	173.5	141.9	212.9



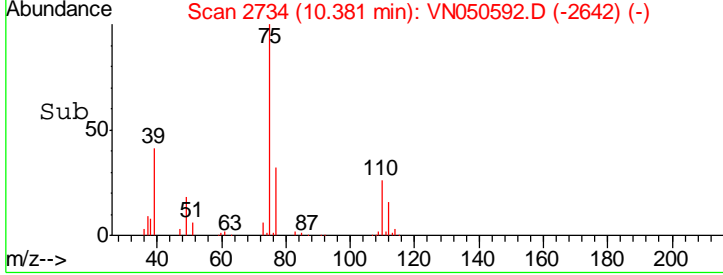
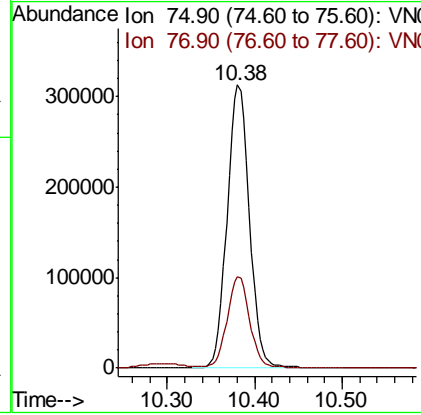
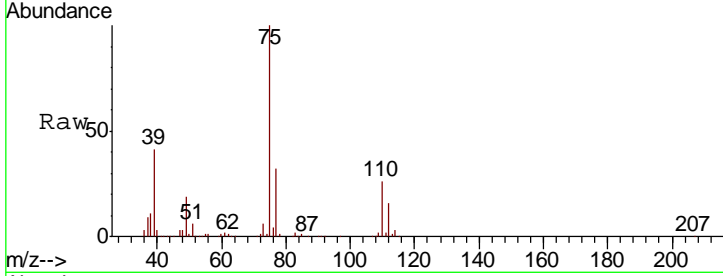


#53
 t-1,3-Dichloropropene
 Concen: 52.71 ug/l
 RT: 10.38 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

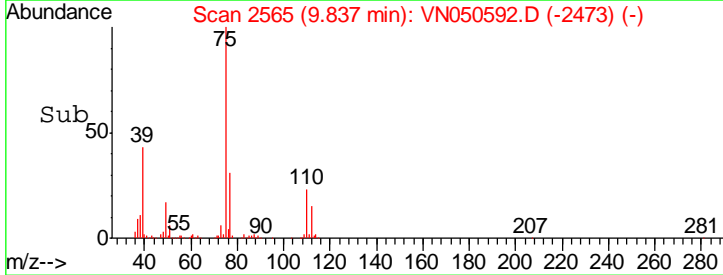
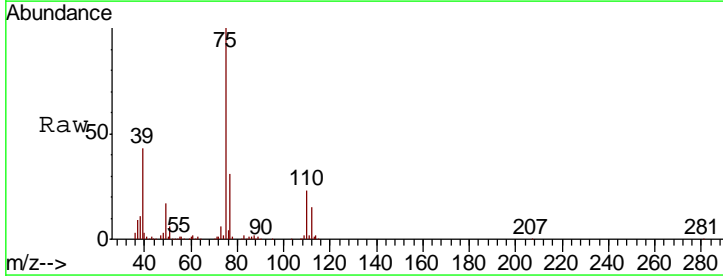
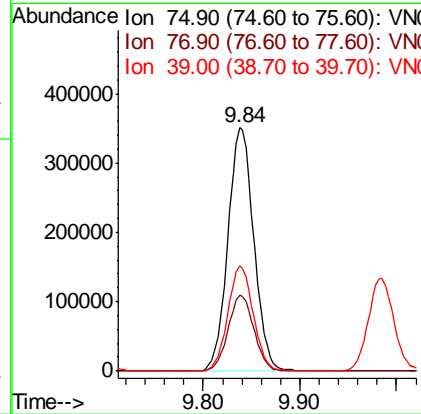
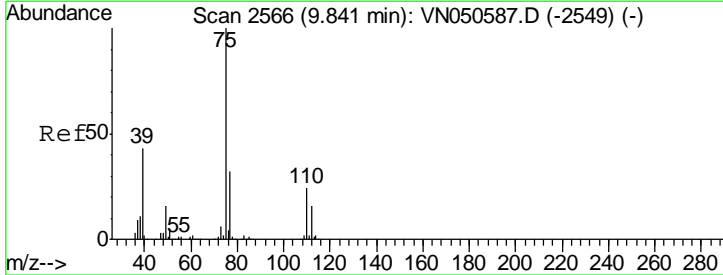
Tgt Ion	Resp	Lower	Upper
75	553873		
75	100		
77	32.1	25.8	38.6

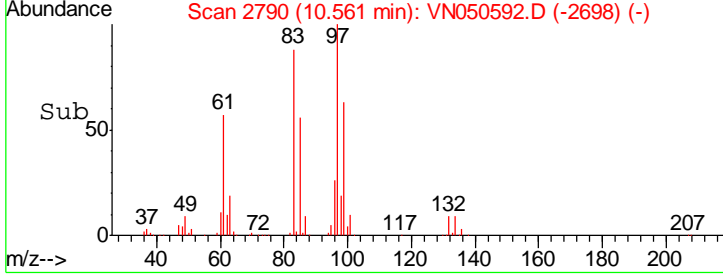
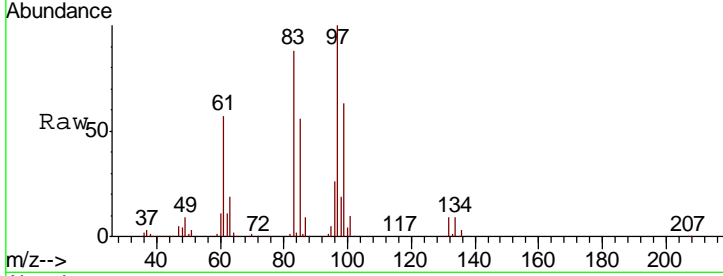
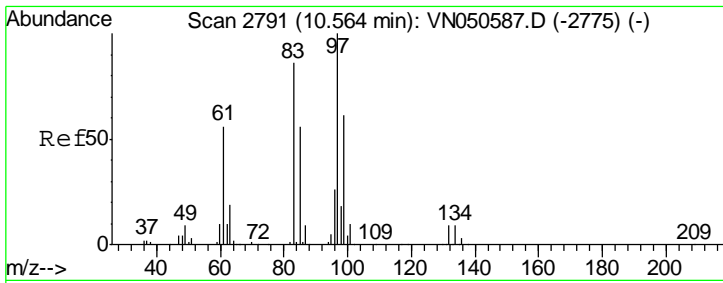
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 54.12 ug/l
 RT: 9.84 min Scan# 2565
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
75	652377		
75	100		
77	31.2	25.6	38.4
39	43.3	34.4	51.6



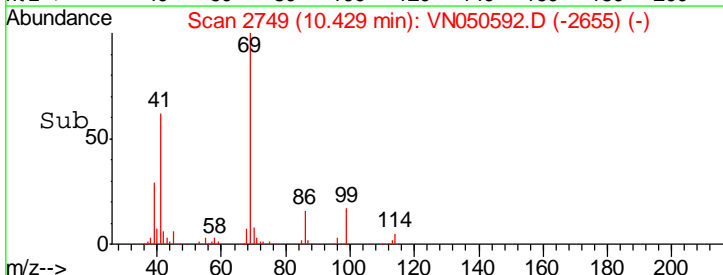
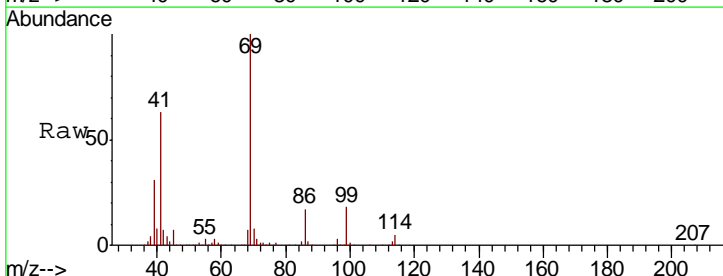
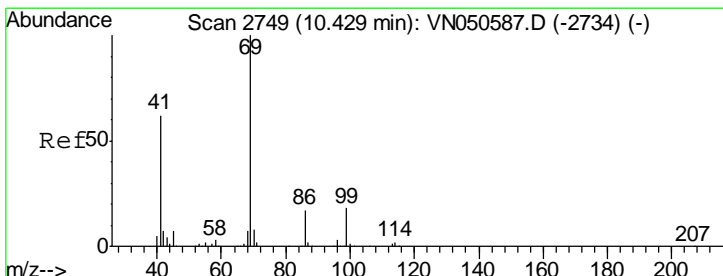
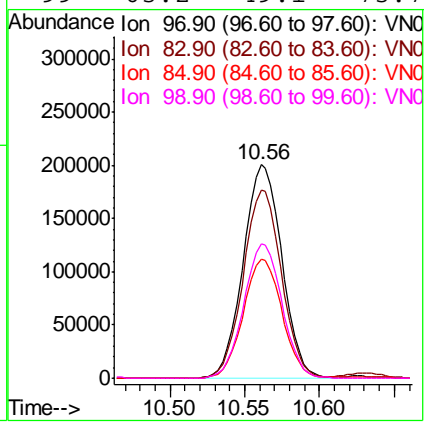


#55
 1,1,2-Trichloroethane
 Concen: 48.31 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
97	361768		
97	100		
83	88.1	68.5	102.7
85	55.9	44.6	66.8
99	63.2	49.1	73.7

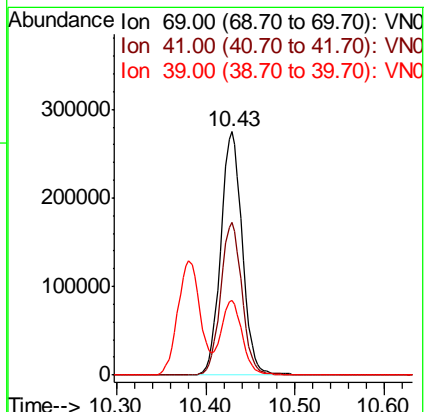
Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

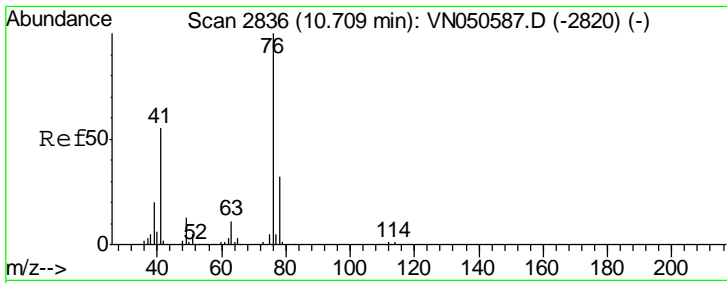
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 47.89 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
69	456717		
69	100		
41	62.3	49.7	74.5
39	30.4	24.2	36.2



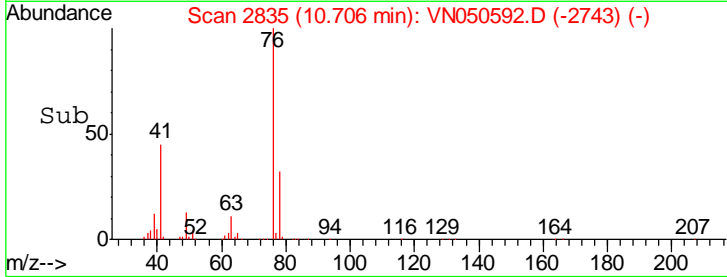
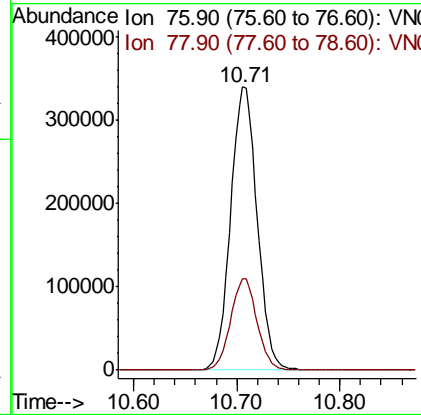
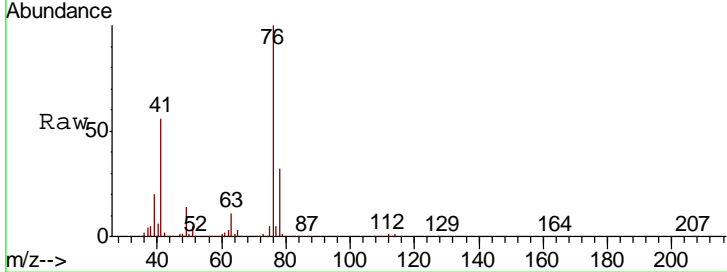


#57
 1,3-Dichloropropane
 Concen: 49.67 ug/l
 RT: 10.71 min Scan# 2835
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

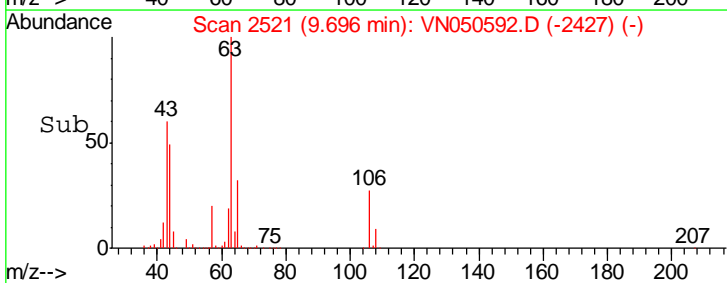
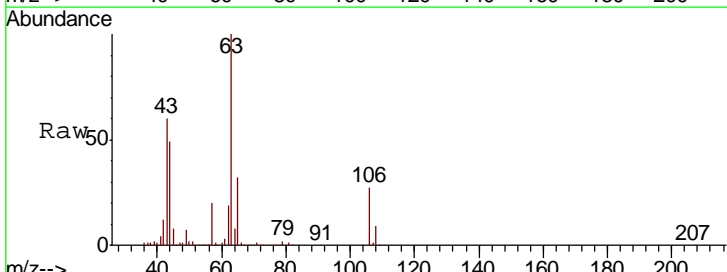
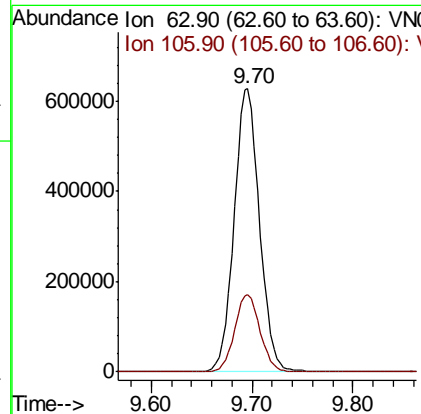
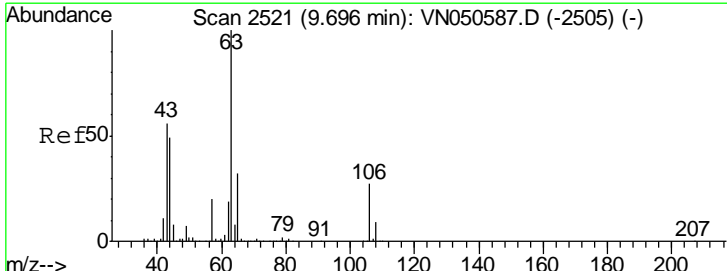
Tgt Ion	Resp	Lower	Upper
76	609877		
76	100		
78	32.2	25.8	38.6

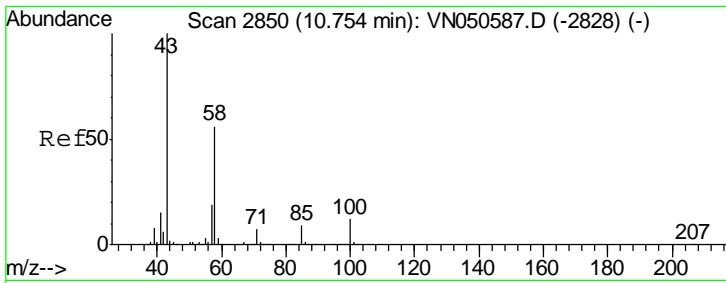
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#58
 2-Chloroethyl Vinyl ether
 Concen: 240.89 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
63	1100544		
63	100		
106	27.4	21.7	32.5





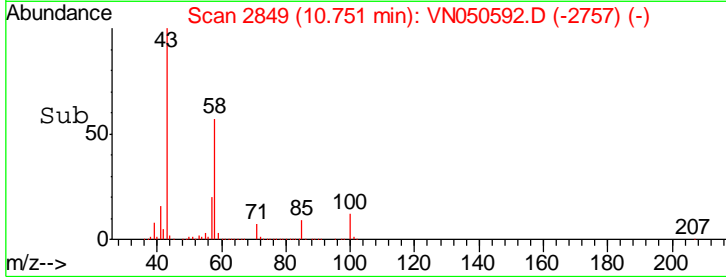
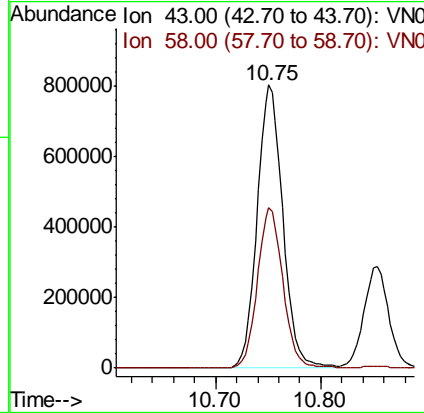
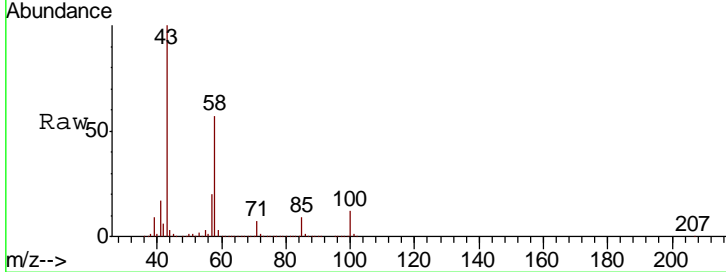
#59
 2-Hexanone
 Concen: 274.55 ug/l
 RT: 10.75 min Scan# 2849
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 1362504

Ion	Ratio	Lower	Upper
43	100		
58	56.4	28.0	84.0

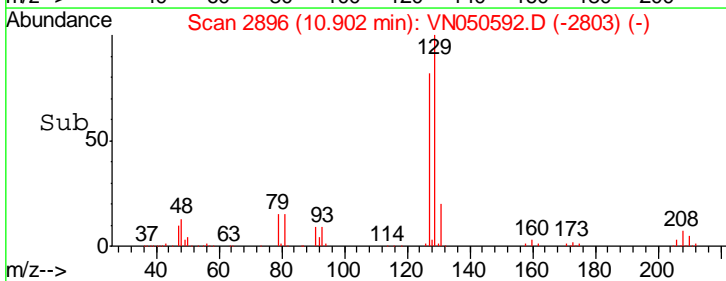
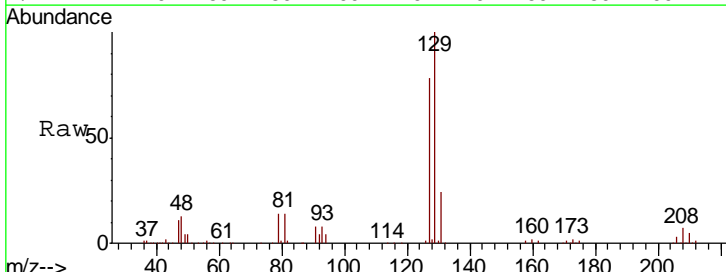
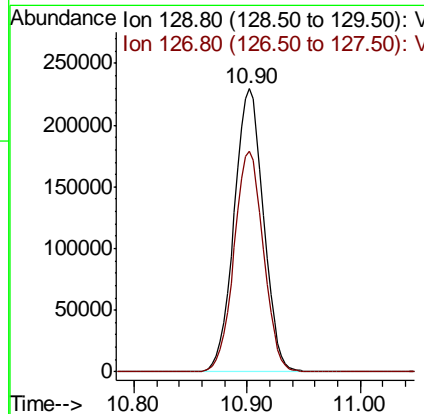
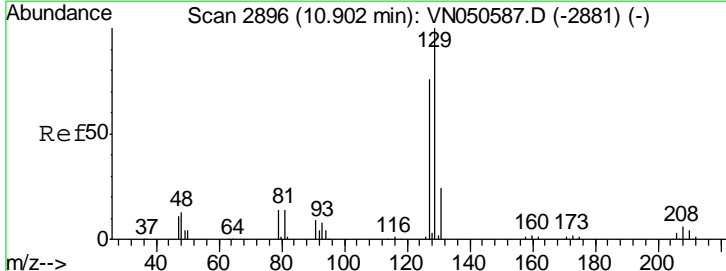
Manual Integrations
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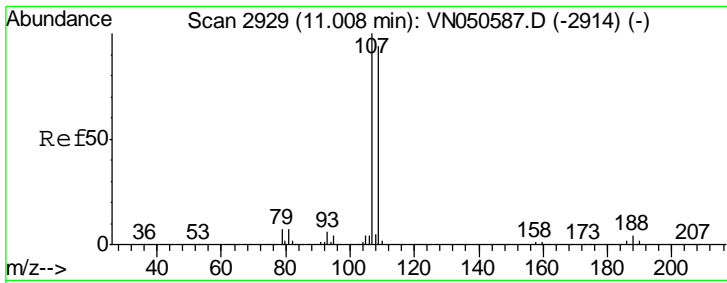


#60
 Dibromochloromethane
 Concen: 50.21 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 129 Resp: 415043

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.9	116.7





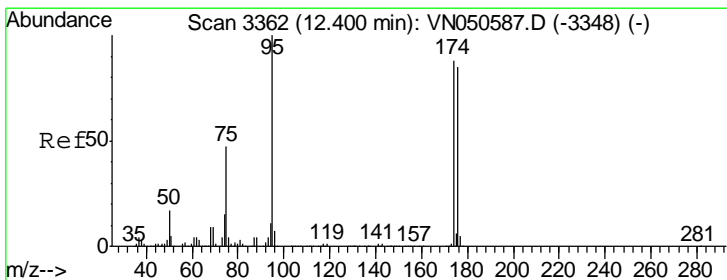
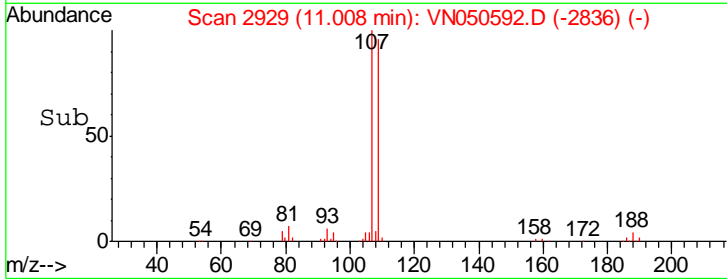
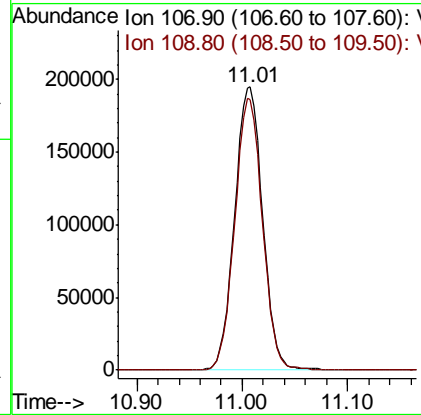
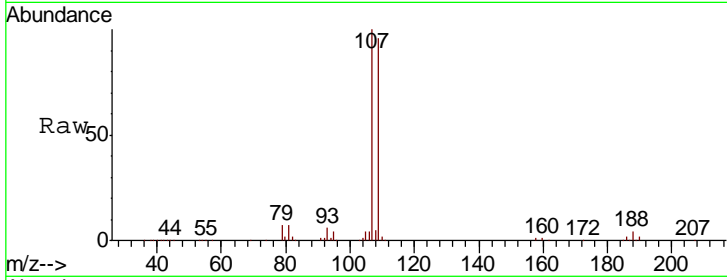
#61
 1,2-Dibromoethane
 Concen: 50.03 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
107	100		
109	95.0	75.7	113.5

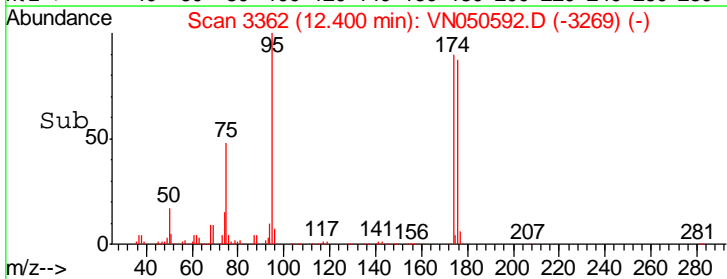
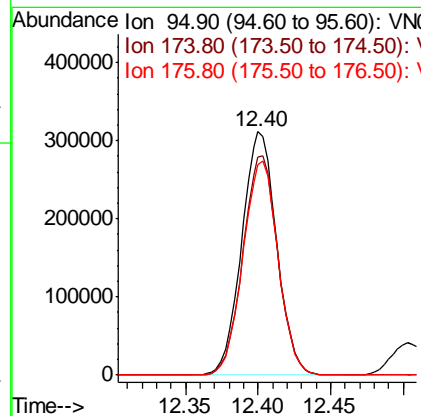
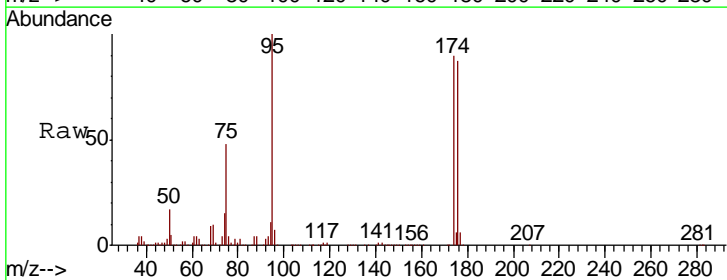
Manual Integrations
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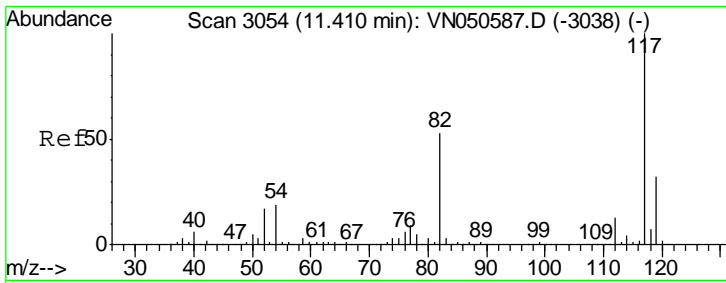
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 8/15/2018 3:31:20 PM



#62
 4-Bromofluorobenzene
 Concen: 52.75 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
95	100		
174	90.7	0.0	177.8
176	88.6	0.0	175.0



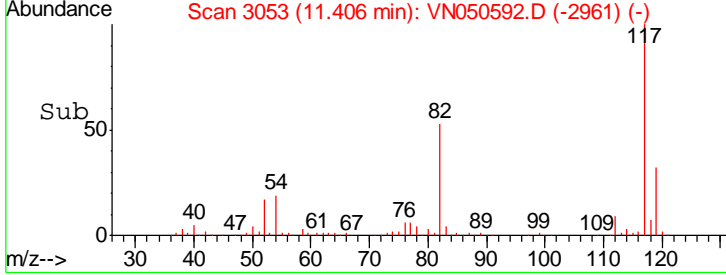
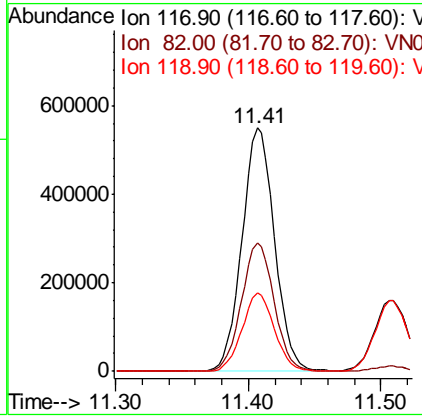
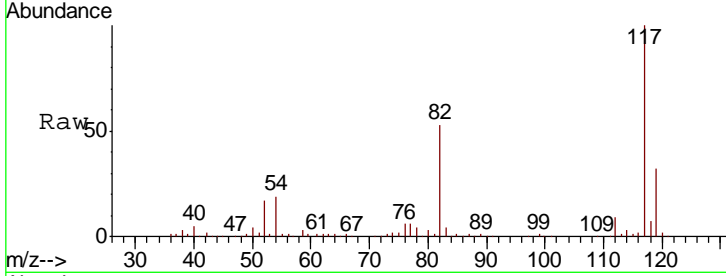


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

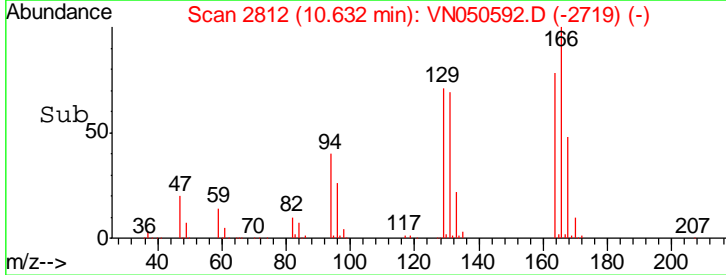
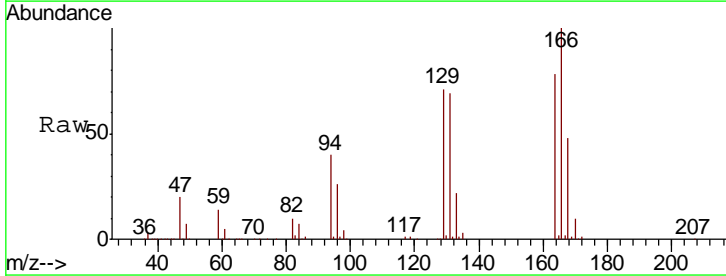
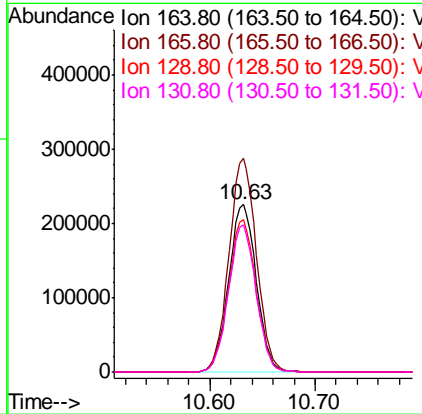
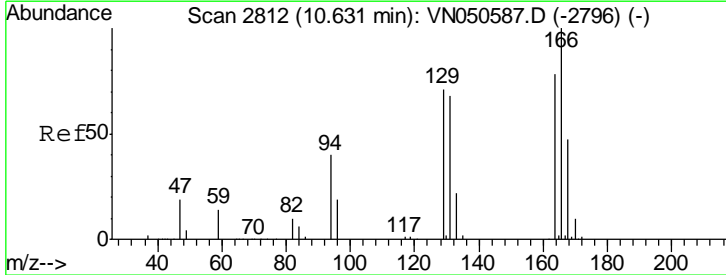
Tgt Ion	Resp	Lower	Upper
117	936403		
82	52.9	42.4	63.6
119	32.2	25.8	38.8

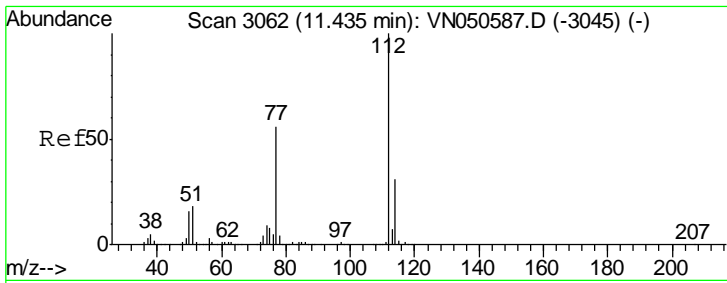
Manual Integrations
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#64
 Tetrachloroethene
 Concen: 46.90 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
164	407859		
166	127.8	102.1	153.1
129	91.0	72.7	109.1
131	88.2	69.9	104.9



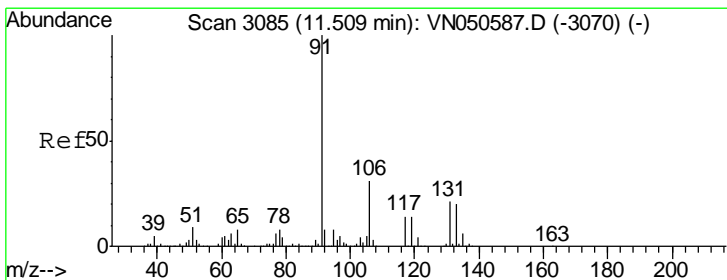
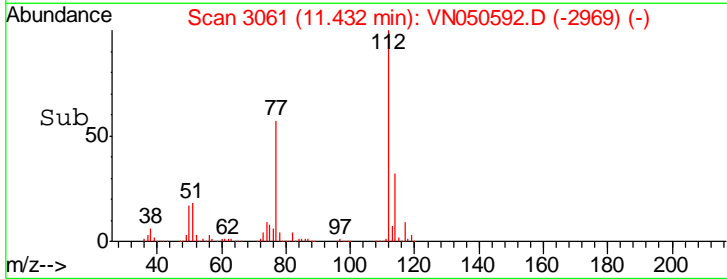
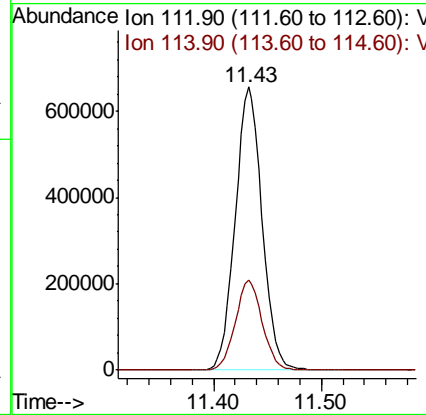
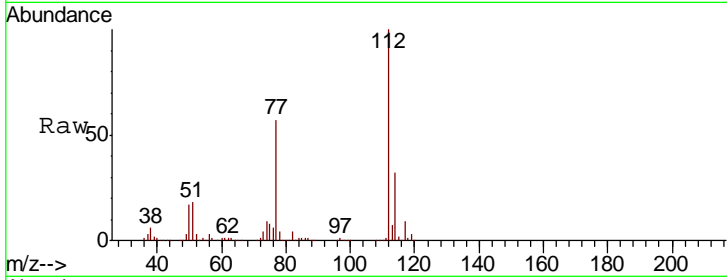


#65
 Chlorobenzene
 Concen: 48.69 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

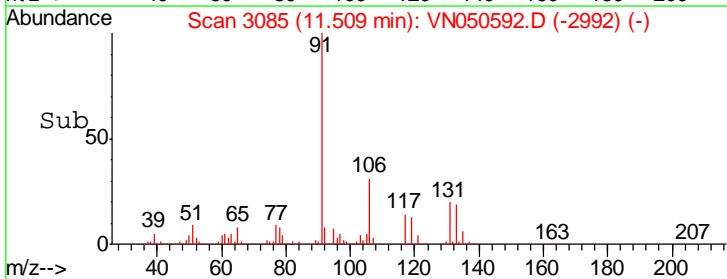
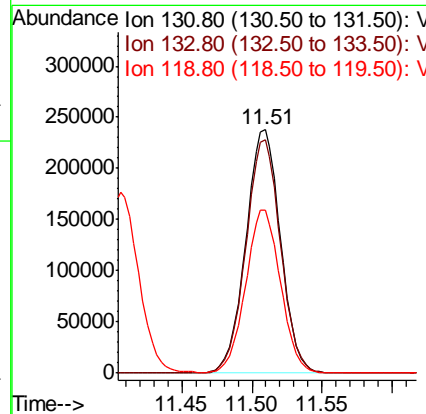
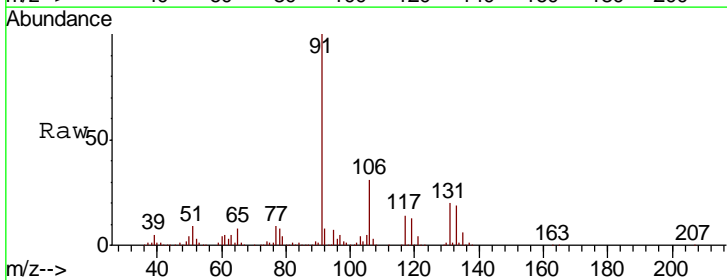
Tgt Ion	Resp	Lower	Upper
112	1134753		
114	31.8	25.2	37.8

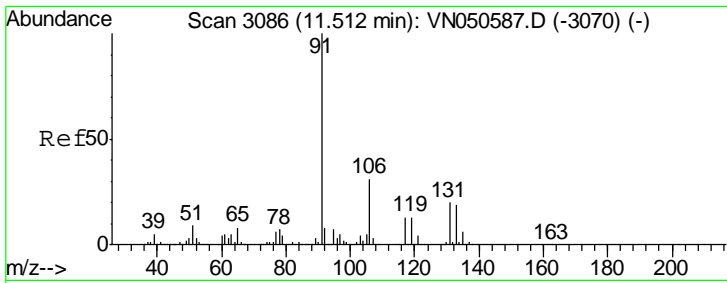
Manual Integrations
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 MMDadoda
 8/15/2018 3:31:20 PM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 46.92 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
131	409900		
133	96.0	47.6	142.9
119	67.3	33.1	99.3





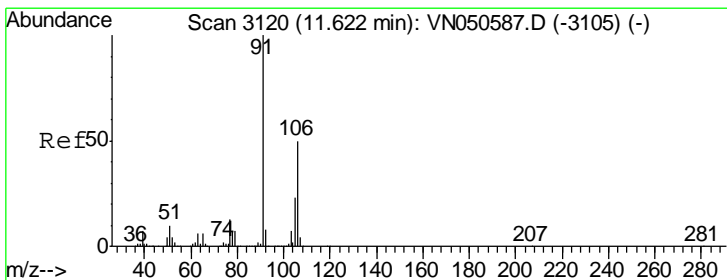
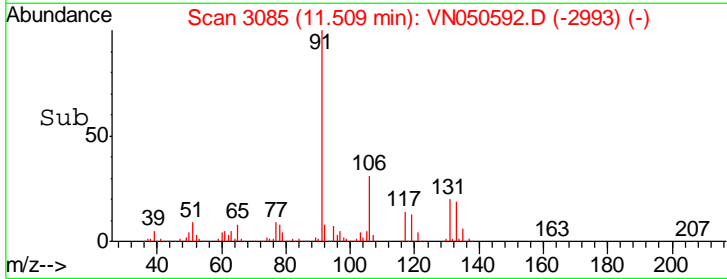
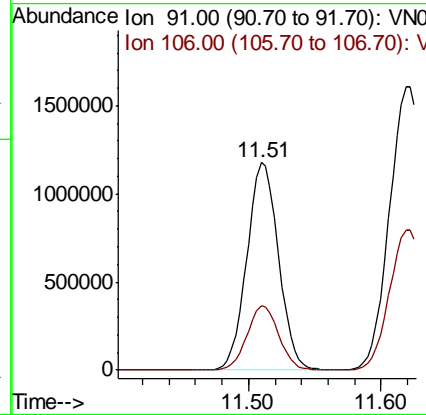
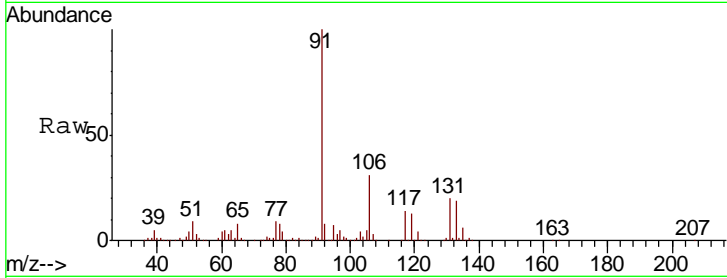
#67
Ethyl Benzene
Concen: 51.99 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
ClientSampleId : VSTDCCC050

Tgt Ion: 91 Resp: 1956551

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.8	37.2

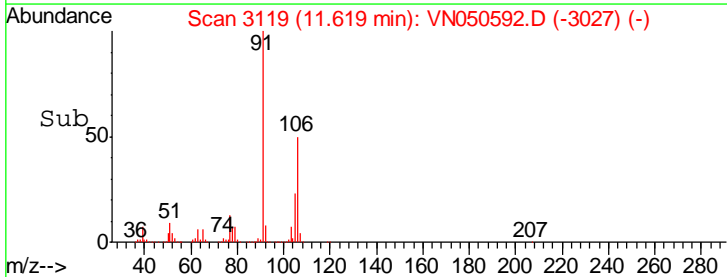
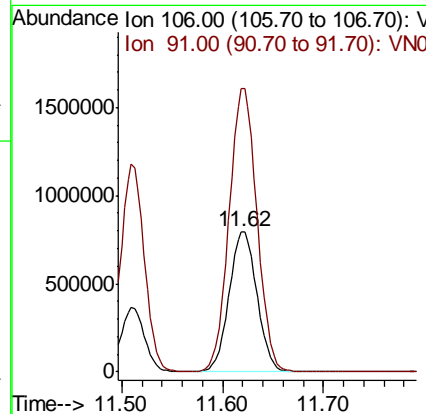
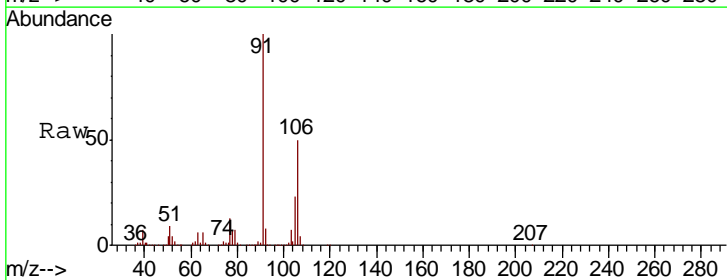
Manual Integrations
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MMDadoda
8/15/2018 3:31:20 PM

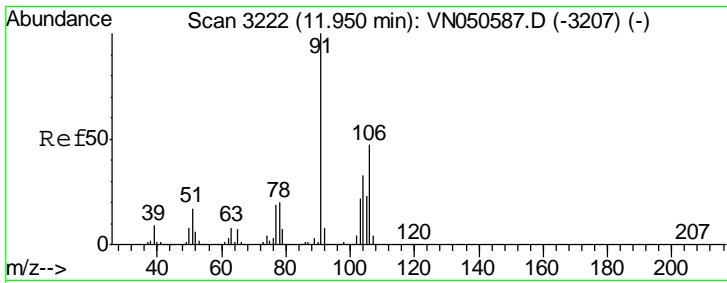


#68
m/p-Xylenes
Concen: 106.30 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050592.D
Acq: 14 Aug 2018 10:45

Tgt Ion: 106 Resp: 1529897

Ion	Ratio	Lower	Upper
106	100		
91	202.5	161.5	242.3



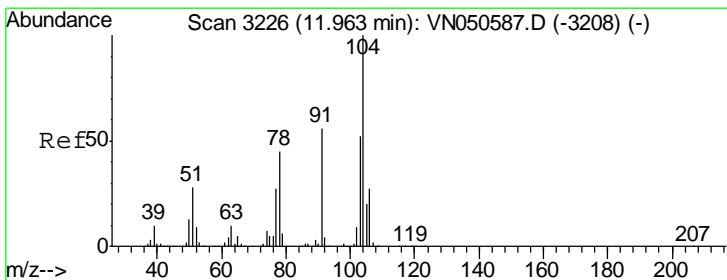
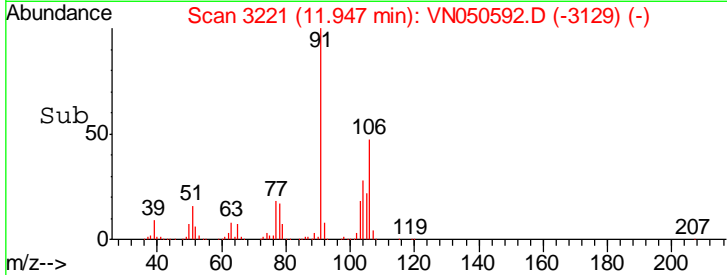
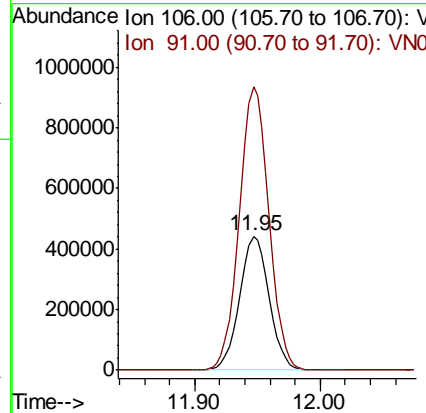
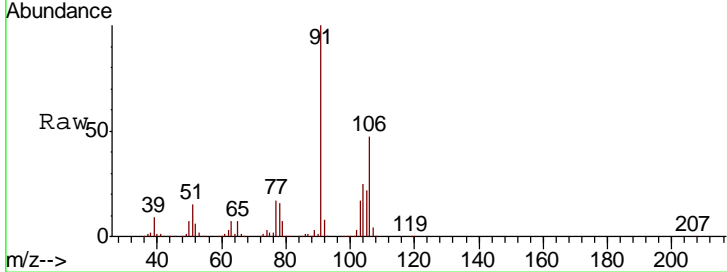


#69
 o-Xylene
 Concen: 52.57 ug/l
 RT: 11.95 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDC050

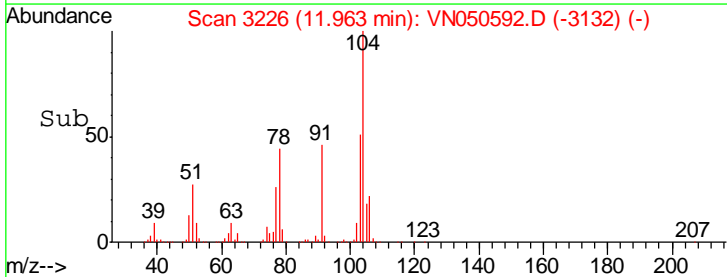
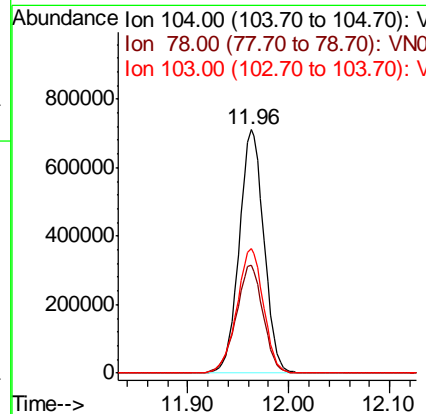
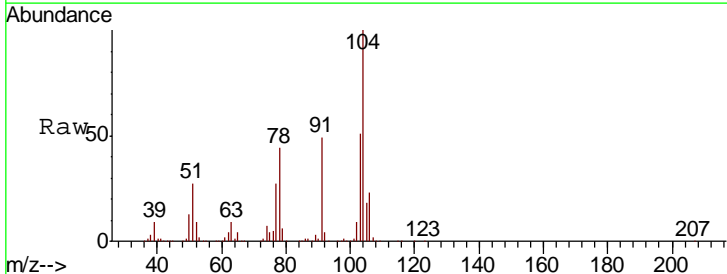
Tgt Ion	Resp	Lower	Upper
106	721405		
106	100		
91	212.5	106.8	320.4

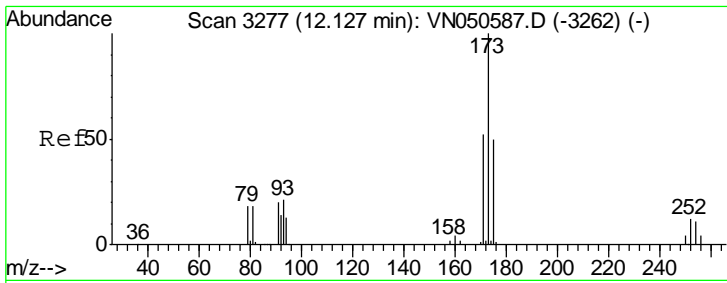
Manual Integrations
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#70
 Styrene
 Concen: 49.47 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
104	1207034		
104	100		
78	48.5	39.1	58.7
103	55.0	44.9	67.3





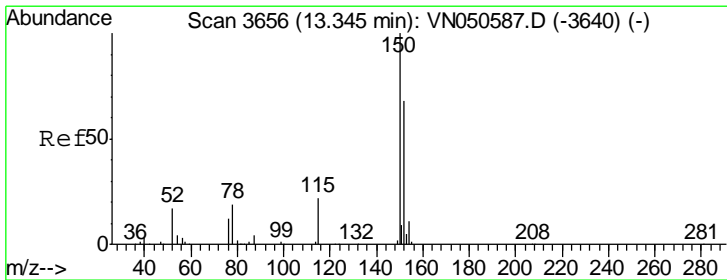
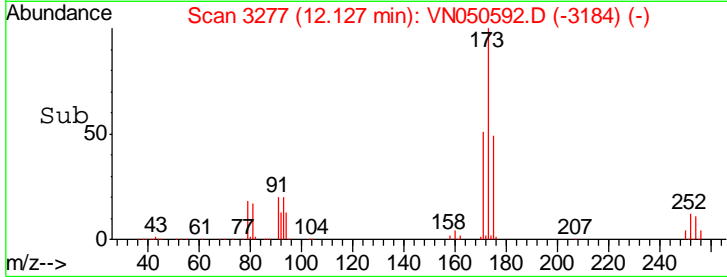
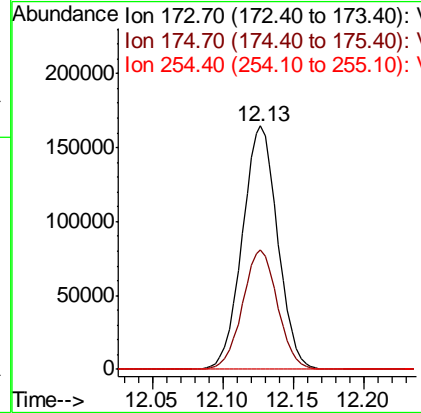
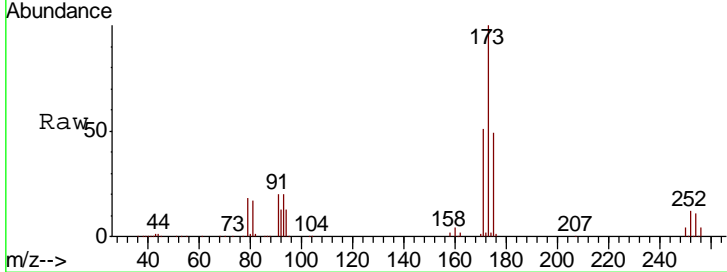
#71
 Bromoform
 Concen: 49.88 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.1	0.0	0.0

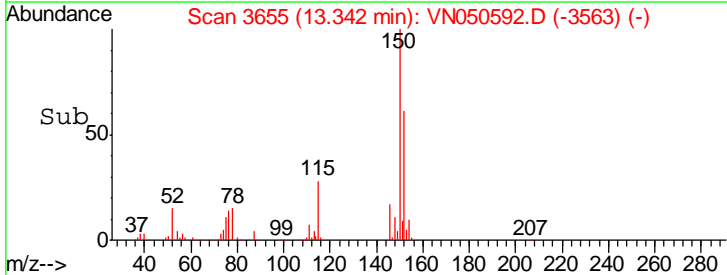
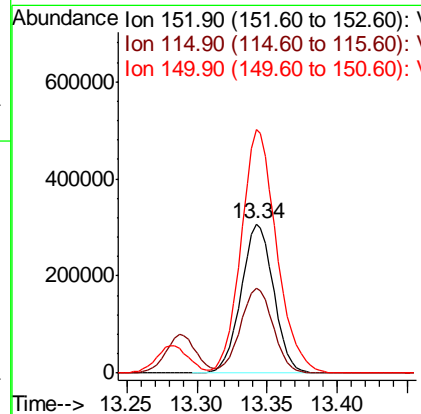
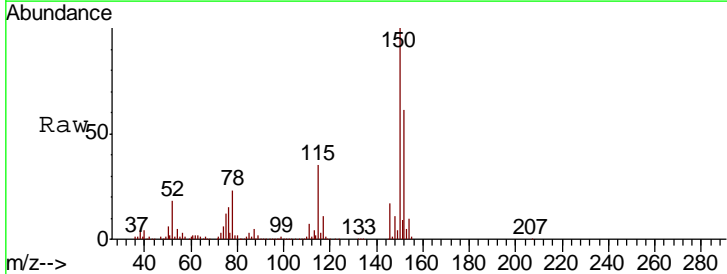
Manual Integrations
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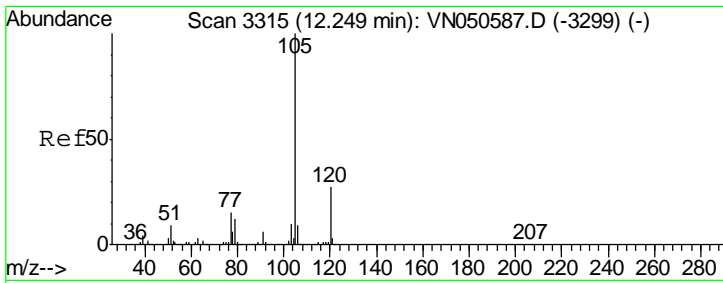
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
152	100		
115	57.4	28.1	84.2
150	177.9	0.0	347.8





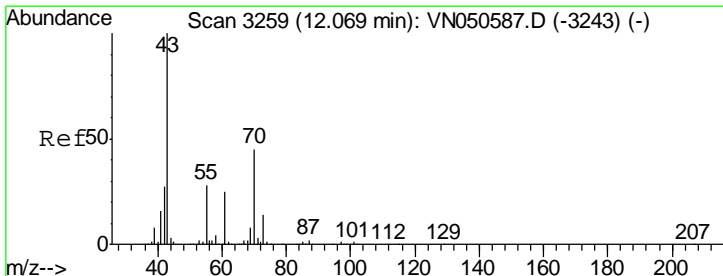
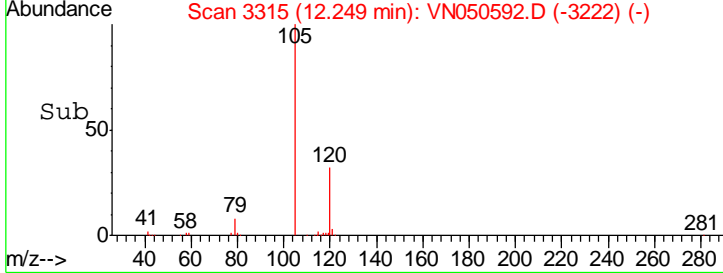
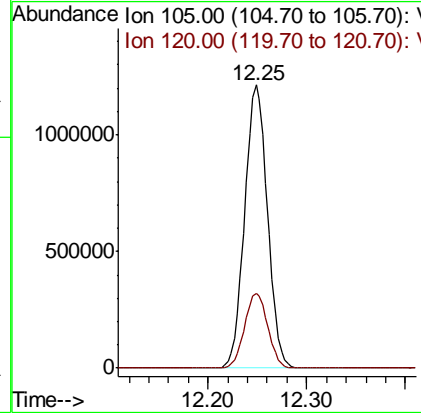
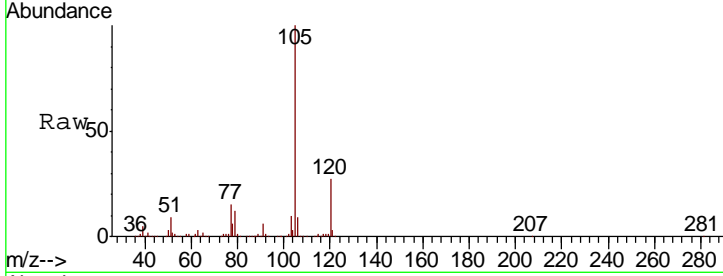
#73
 Isopropylbenzene
 Concen: 49.92 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion: 105 Resp: 1932179

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.4	40.1

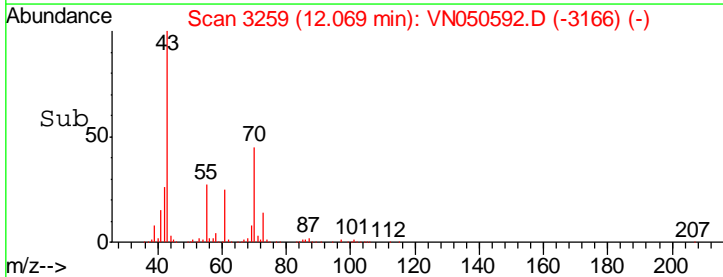
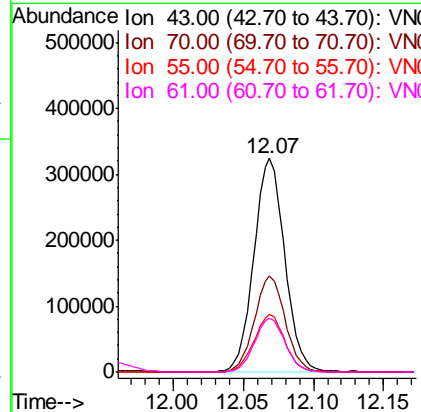
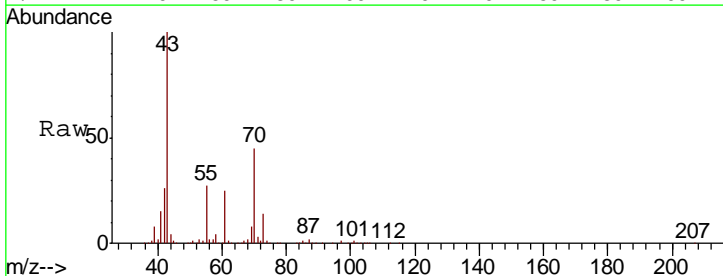
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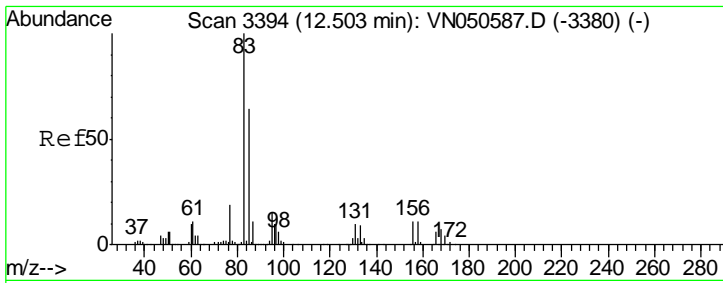


#74
 N-aryl acetate
 Concen: 49.33 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 43 Resp: 496745

Ion	Ratio	Lower	Upper
43	100		
70	44.8	35.9	53.9
55	27.1	22.2	33.4
61	25.1	20.0	30.0



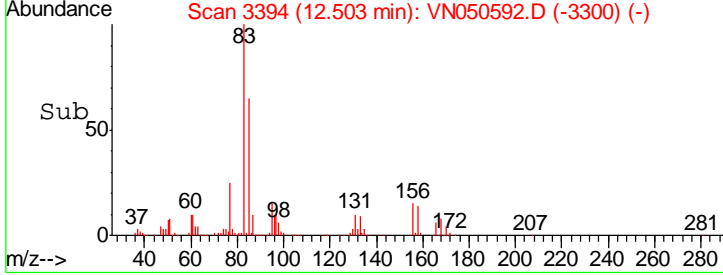
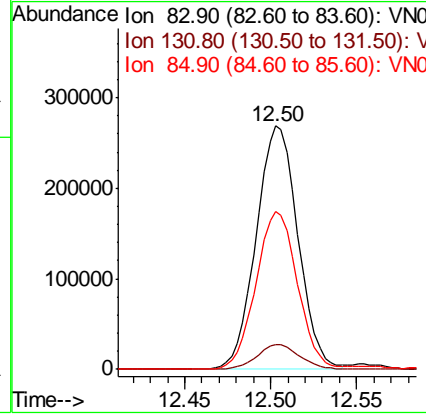
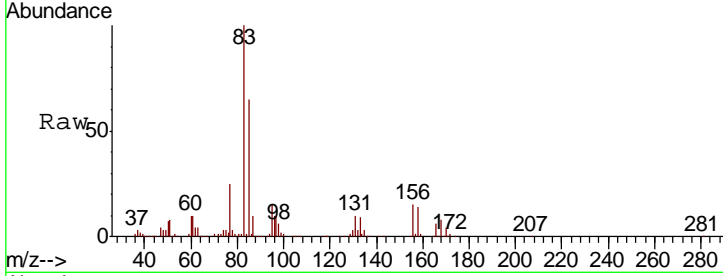


#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.31 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

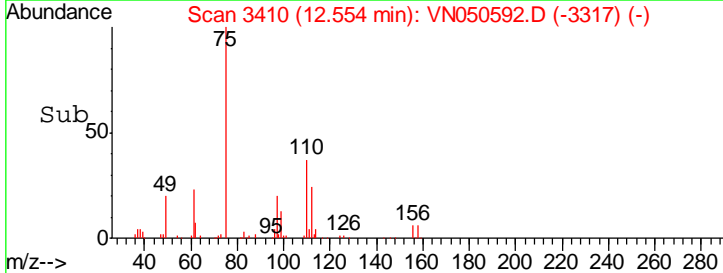
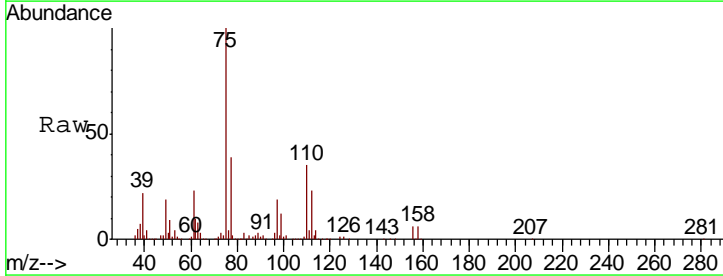
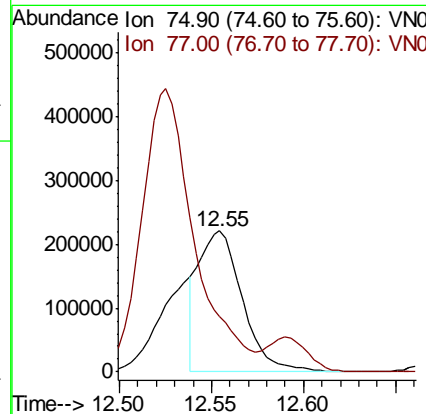
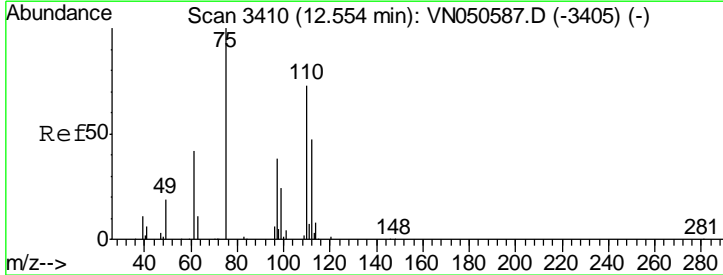
Tgt Ion	Resp	Lower	Upper
83	451948		
83	100		
131	10.5	5.3	15.9
85	64.5	32.1	96.5

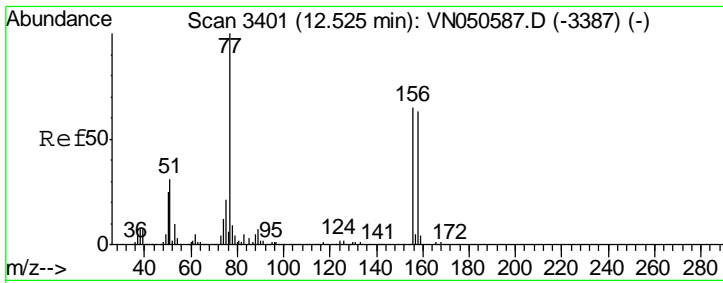
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#76
 1,2,3-Trichloropropane
 Concen: 45.25 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
75	363015		
75	100		
77	0.0	0.0	0.0



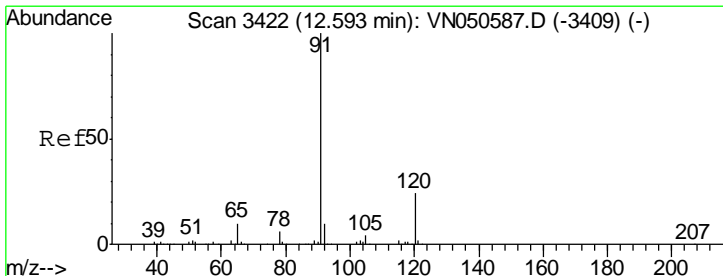
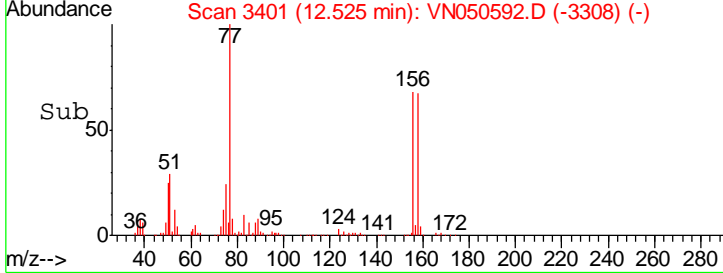
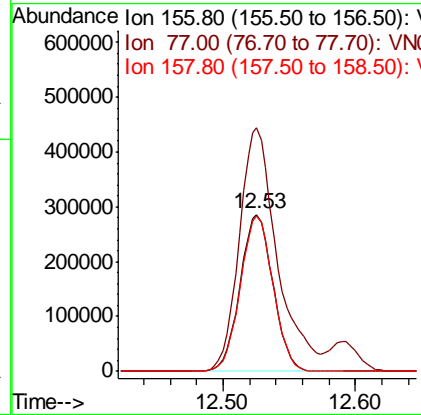
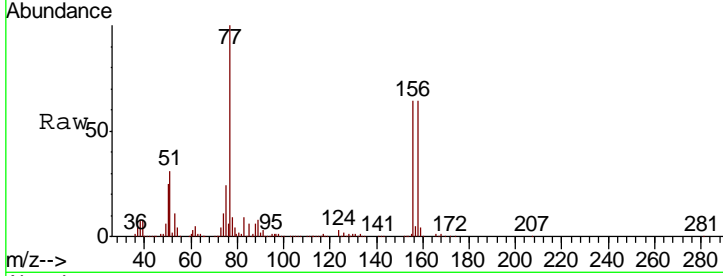


#77
 Bromobenzene
 Concen: 46.71 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

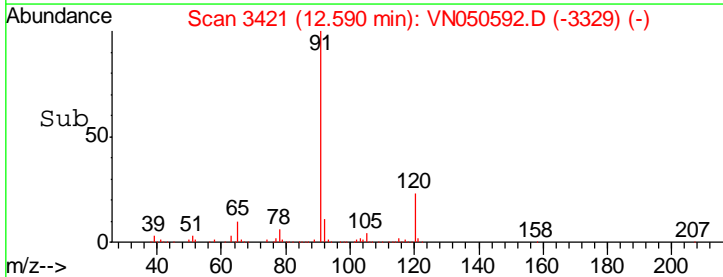
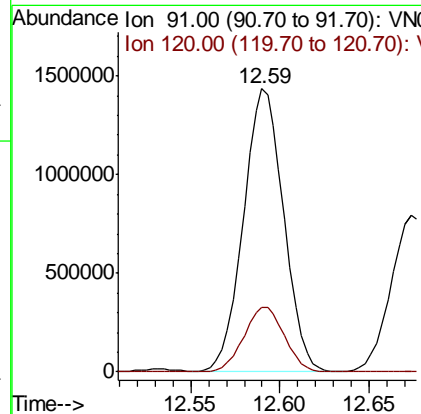
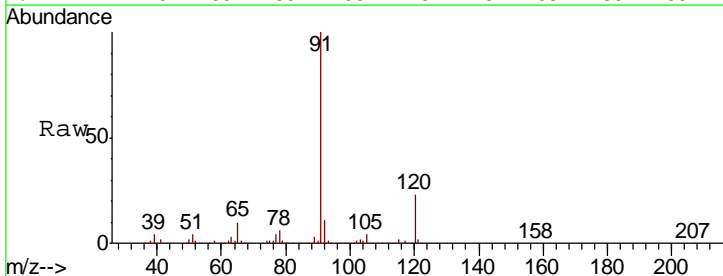
Tgt Ion	Resp	Lower	Upper
156	490862		
77	179.4	89.0	267.1
158	98.8	48.5	145.6

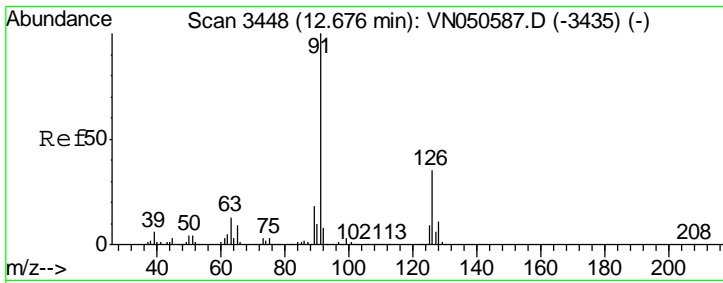
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#78
 n-propylbenzene
 Concen: 52.15 ug/l
 RT: 12.59 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
91	2250756		
120	23.2	11.8	35.4





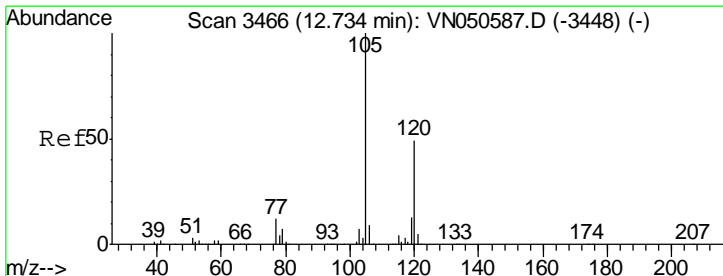
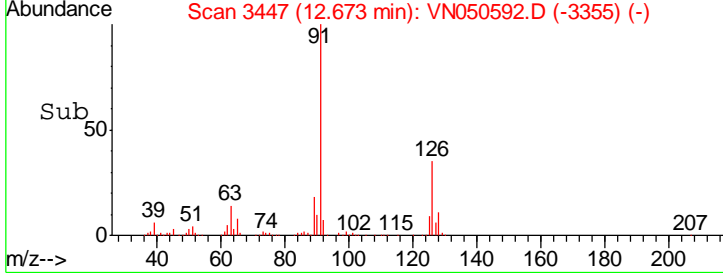
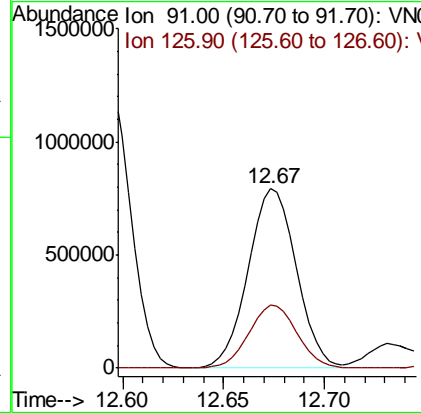
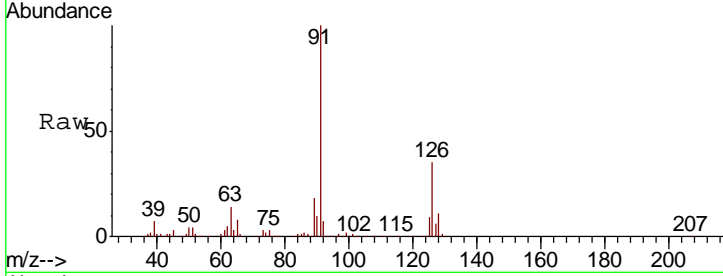
#79
 2-Chlorotoluene
 Concen: 49.16 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion: 91 Resp: 1322775

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8

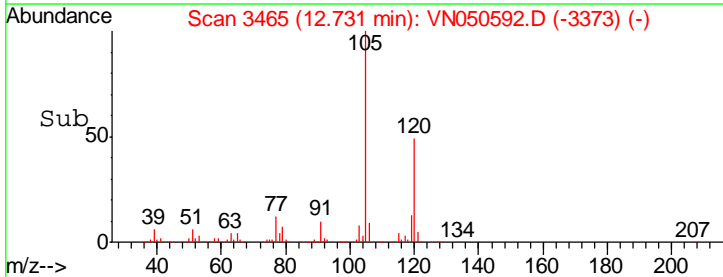
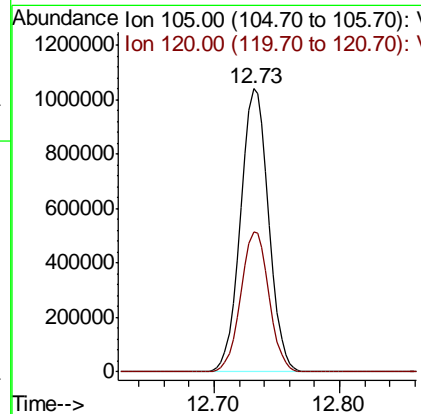
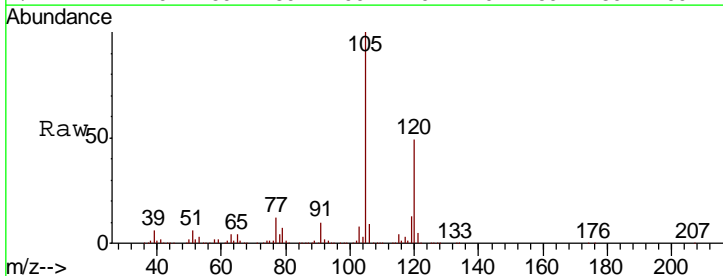
Manual Integrations
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 8/15/2018 3:31:20 PM

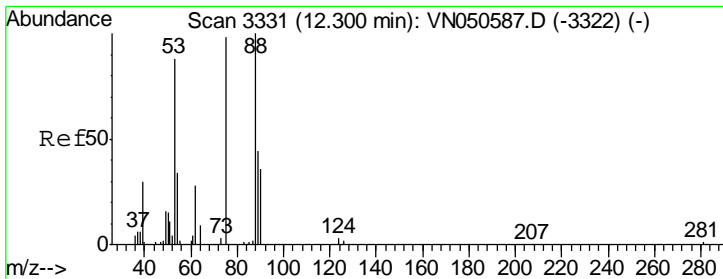


#80
 1,3,5-Trimethylbenzene
 Concen: 52.09 ug/l
 RT: 12.73 min Scan# 3465
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion: 105 Resp: 1614356

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.7	74.1



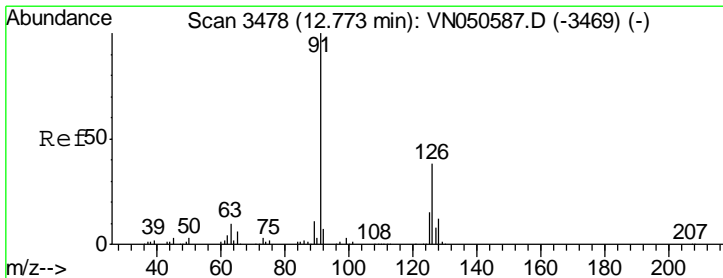
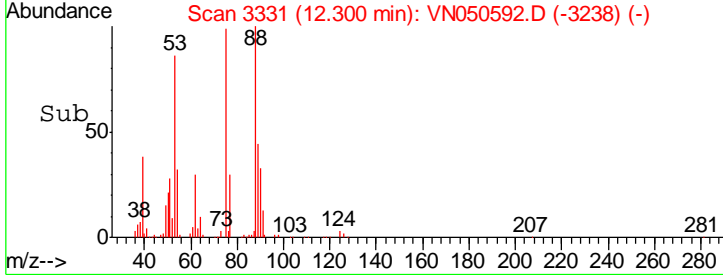
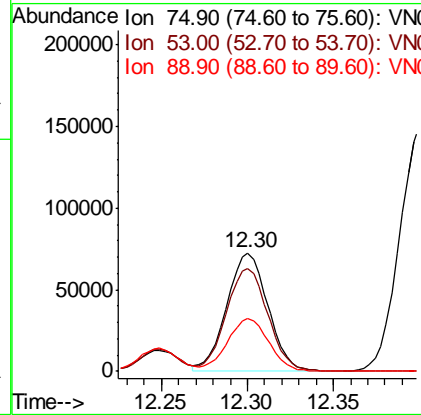
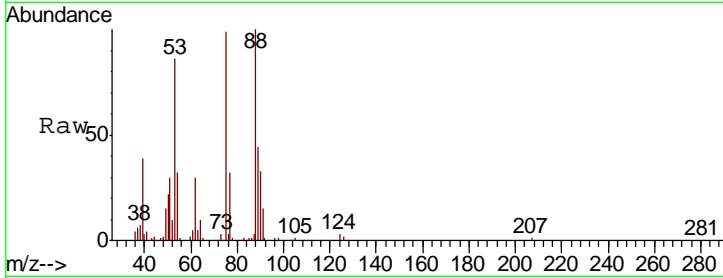


#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.50 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

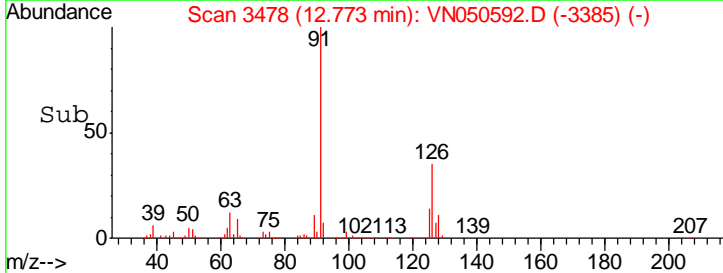
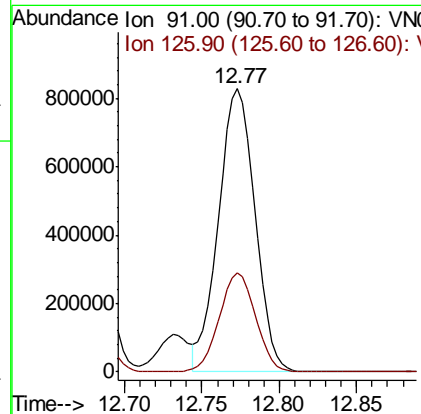
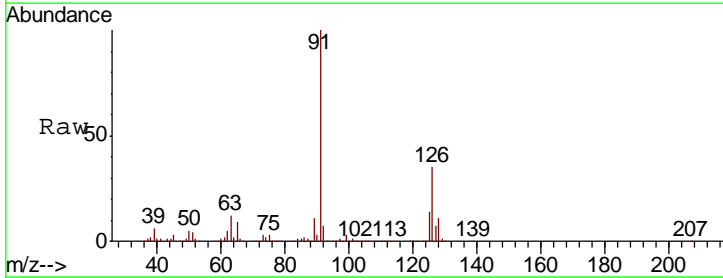
Tgt Ion	Resp	Lower	Upper
75	100		
53	88.4	72.2	108.2
89	44.9	36.3	54.5

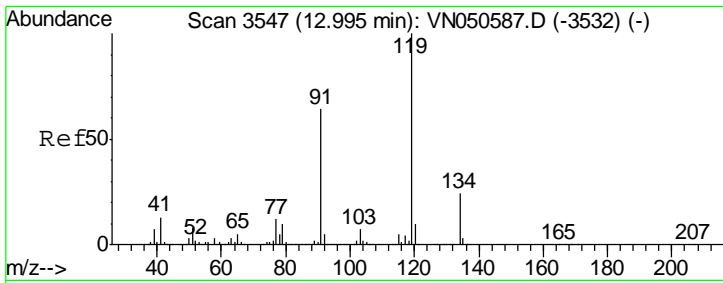
Manual Integrations
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#82
 4-Chlorotoluene
 Concen: 51.02 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
91	100		
126	34.7	17.3	52.0





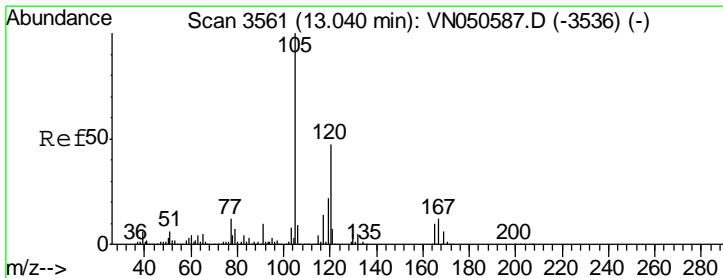
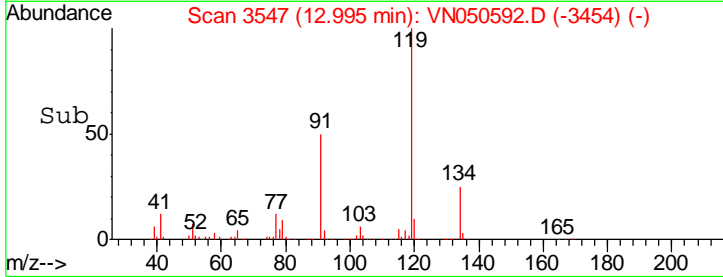
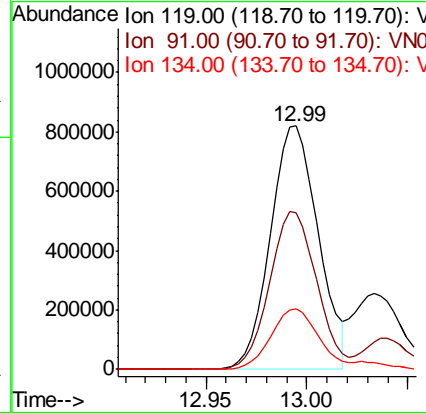
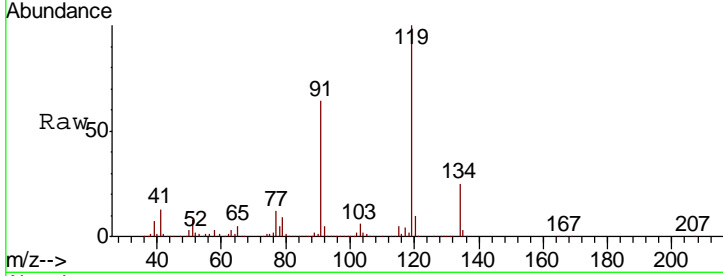
#83
 tert-Butylbenzene
 Concen: 50.24 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
119	1351490		
91	63.7	32.2	96.6
134	24.9	13.4	40.2

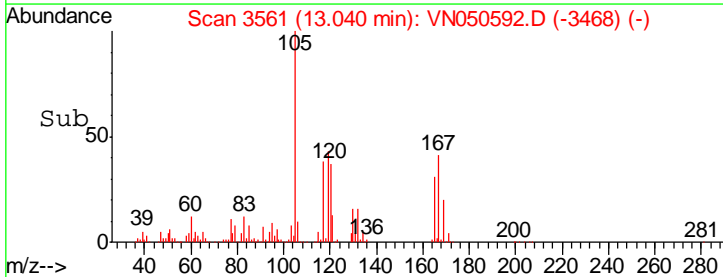
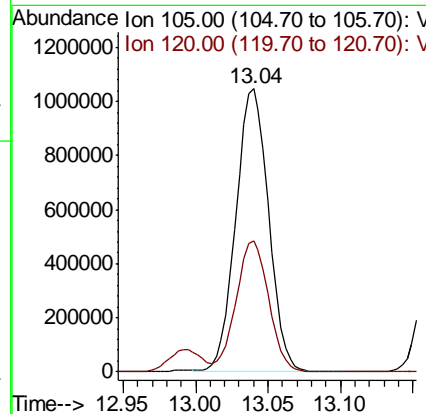
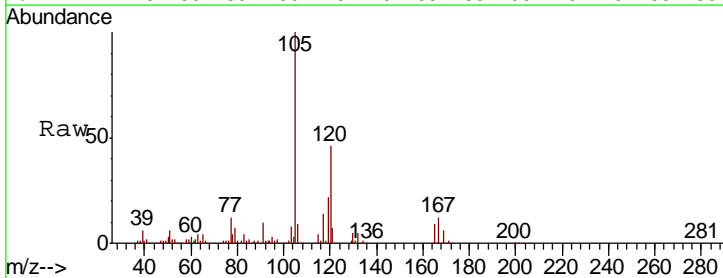
Manual Integrations
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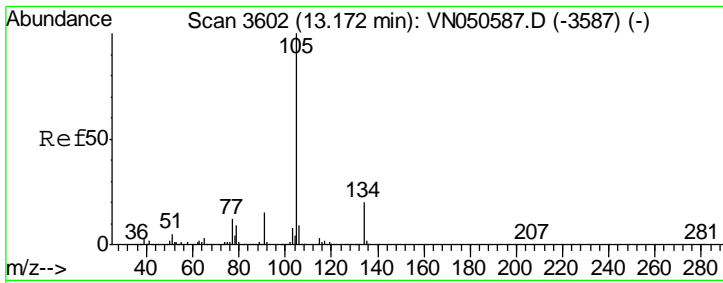
MMDadoda
 8/15/2018 3:31:20 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.79 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
105	1642122		
120	46.1	23.2	69.5



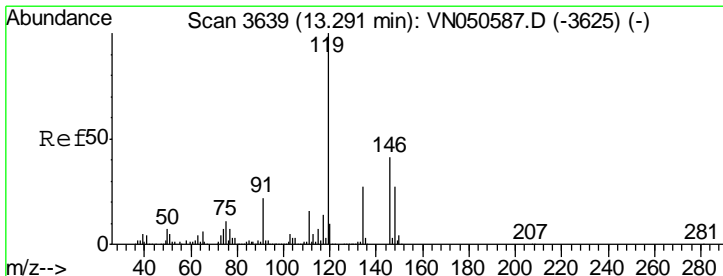
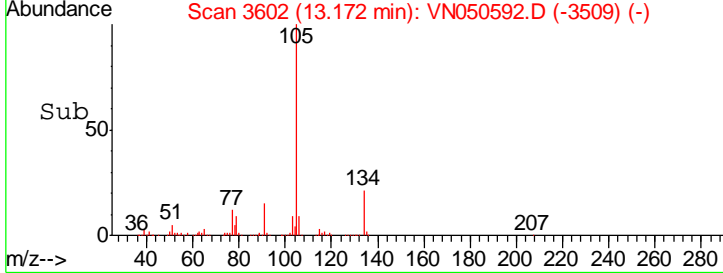
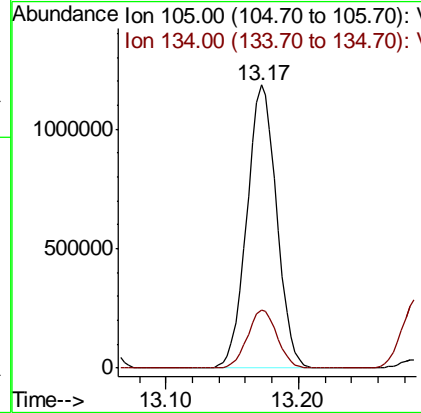
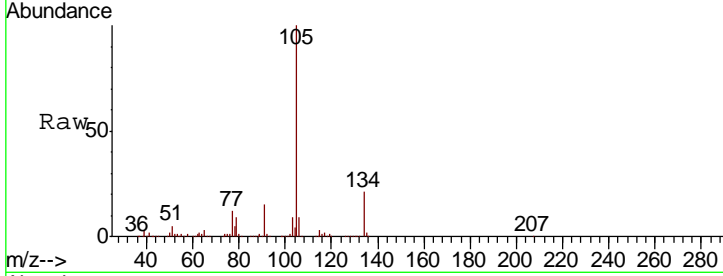


#85
 sec-Butylbenzene
 Concen: 52.29 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

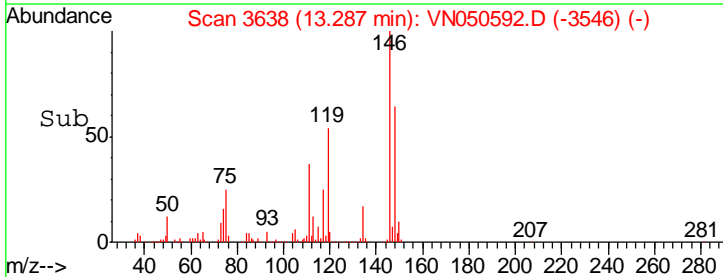
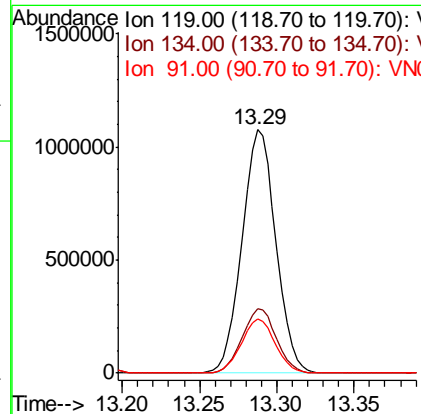
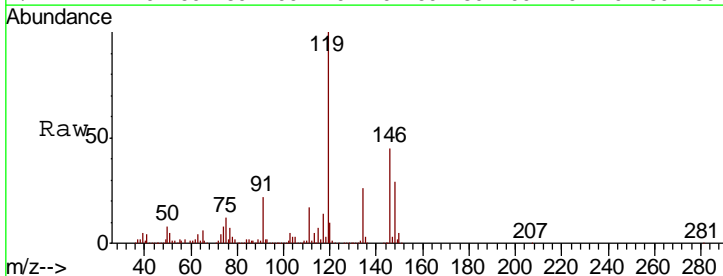
Tgt Ion	Resp	Lower	Upper
105	1838135		
105	100		
134	20.5	10.1	30.3

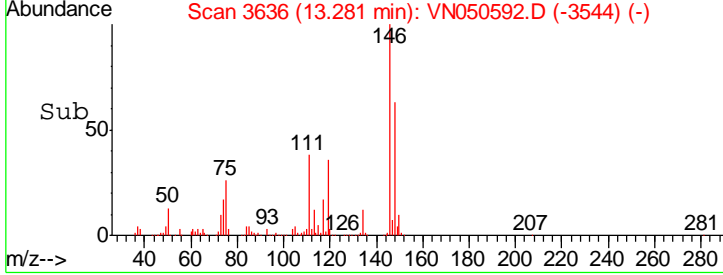
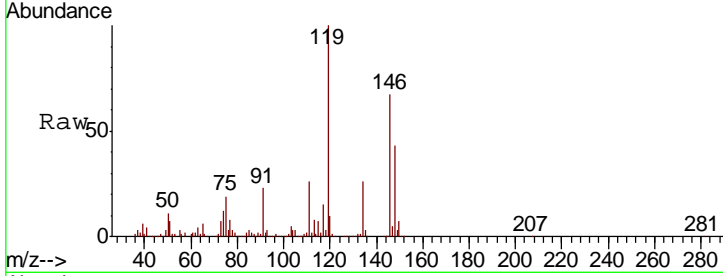
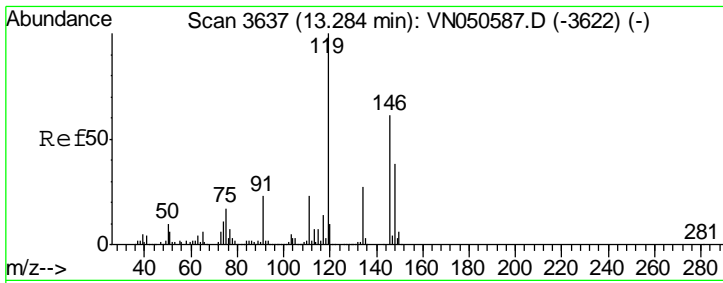
Manual Integrations
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 MMDadoda
 8/15/2018 3:31:20 PM



#86
 p-Isopropyltoluene
 Concen: 54.59 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
119	1626305		
119	100		
134	26.8	13.5	40.4
91	22.4	11.2	33.6



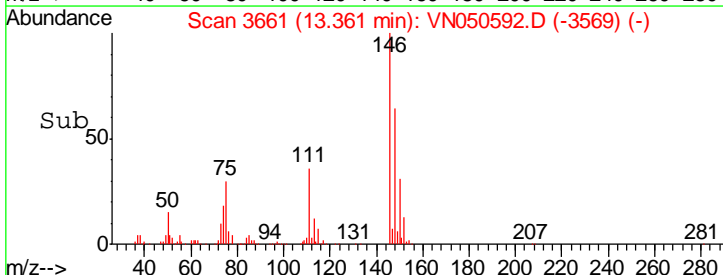
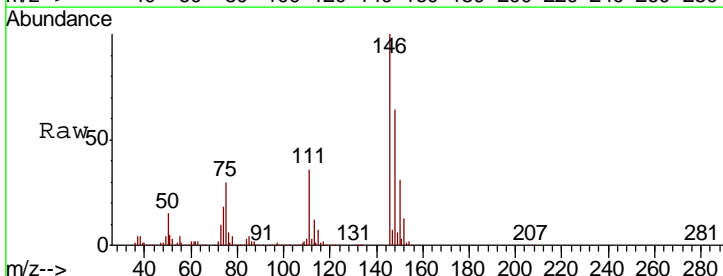
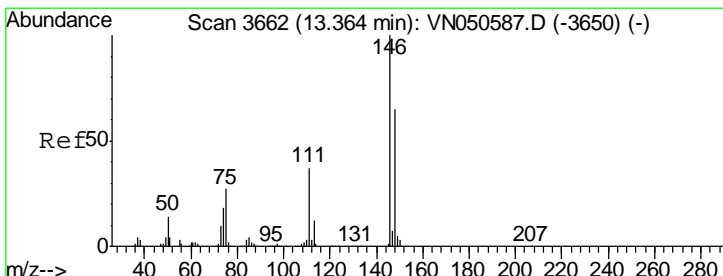
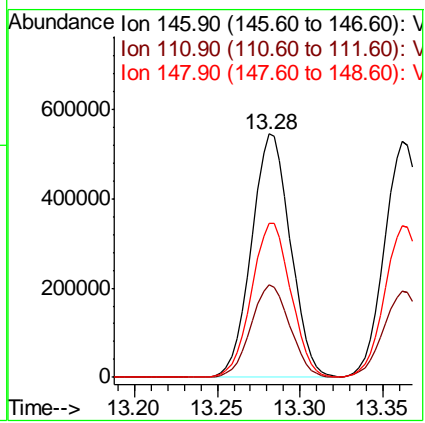


#87
 1,3-Dichlorobenzene
 Concen: 49.69 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
146	888927		
146	100		
111	38.0	19.2	57.6
148	64.0	31.9	95.7

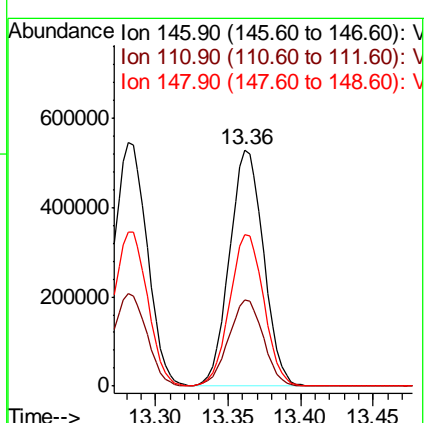
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

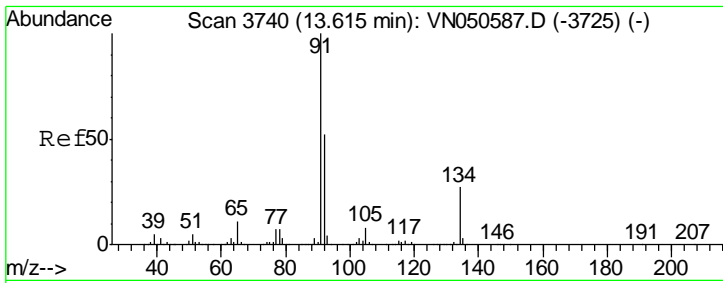
Manual Integrations
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 8/15/2018 3:31:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.57 ug/l
 RT: 13.36 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
146	862497		
146	100		
111	37.2	18.8	56.4
148	64.4	32.3	96.8



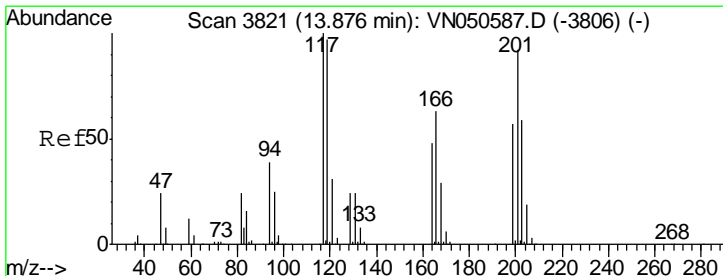
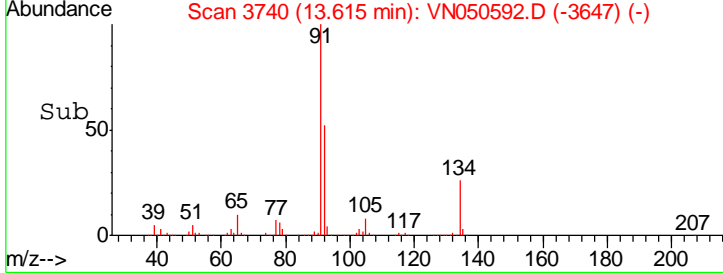
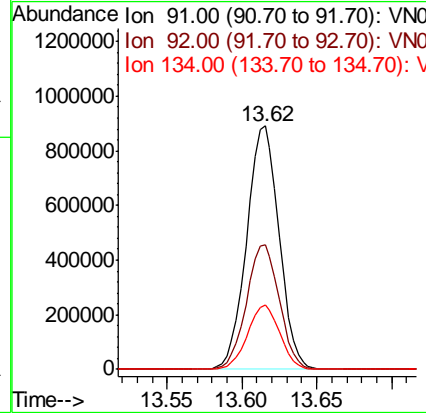
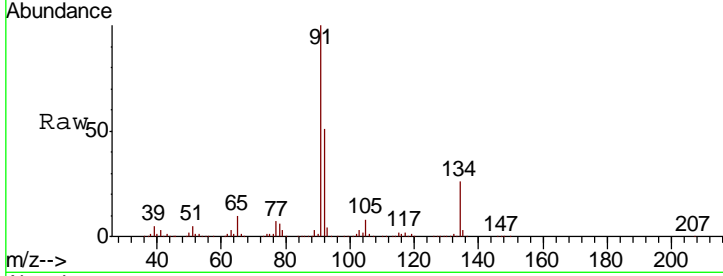


#89
 n-Butylbenzene
 Concen: 55.81 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

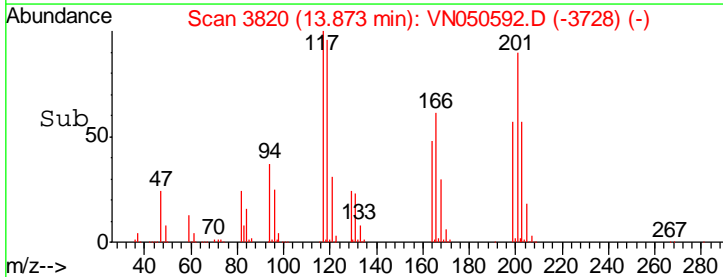
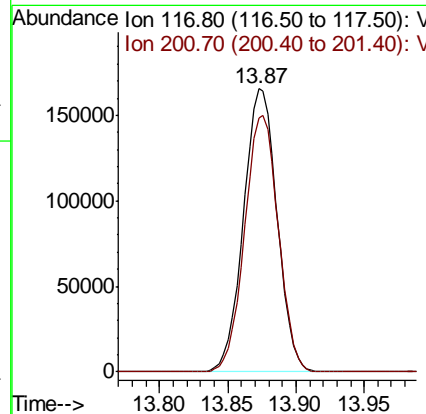
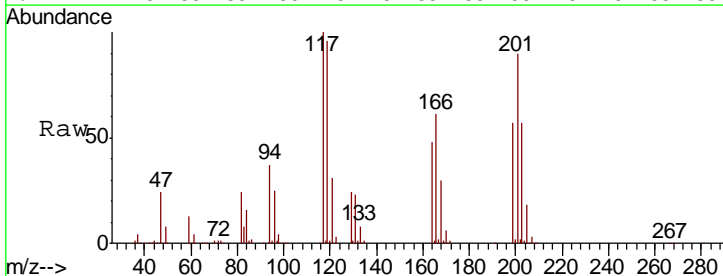
Tgt Ion	Resp	Lower	Upper
91	100		
92	51.8	26.3	78.8
134	26.4	13.3	39.9

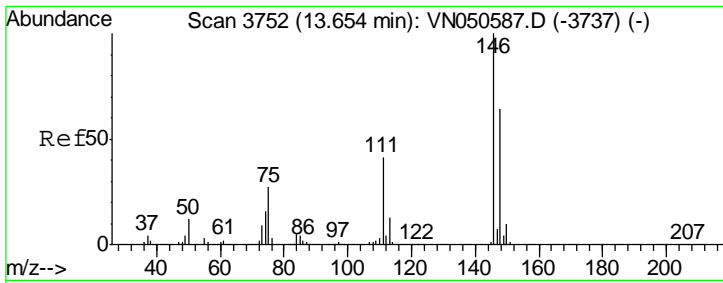
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#90
 Hexachloroethane
 Concen: 47.26 ug/l
 RT: 13.87 min Scan# 3820
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
117	100		
201	90.7	45.5	136.5



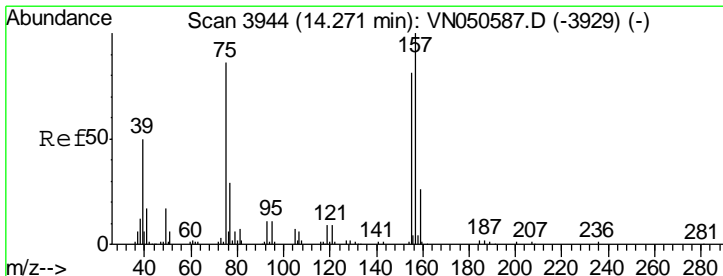
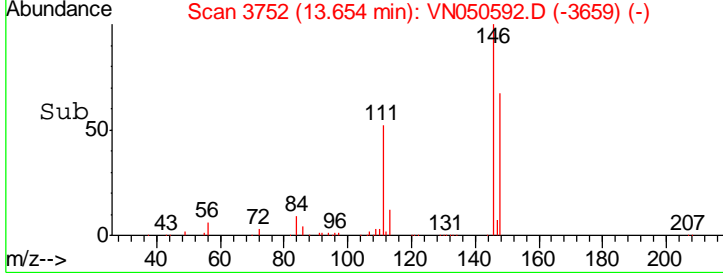
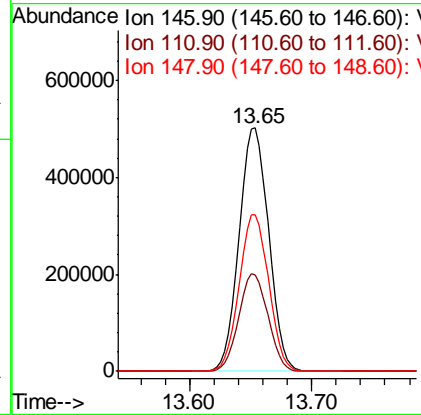
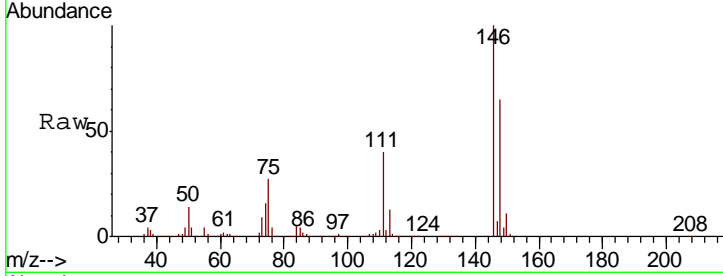


#91
 1,2-Dichlorobenzene
 Concen: 48.29 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

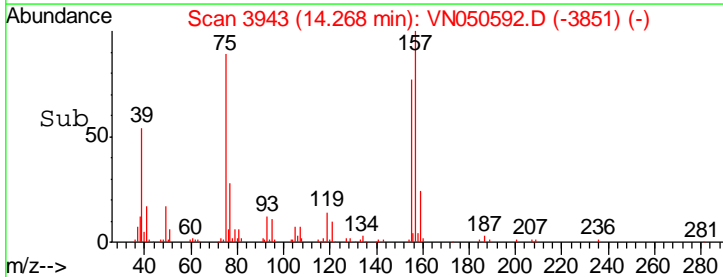
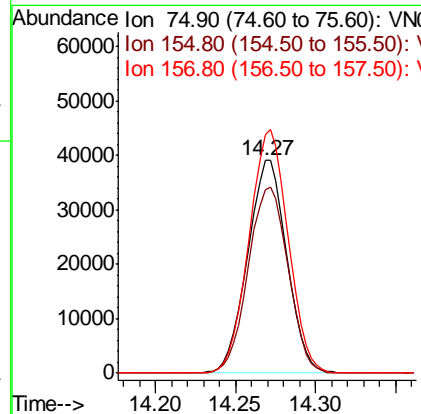
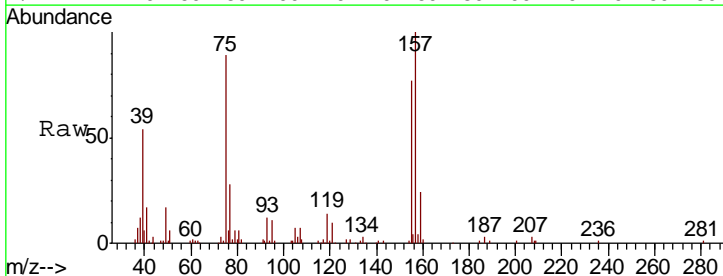
Tgt Ion	Resp	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.1	32.3	96.8

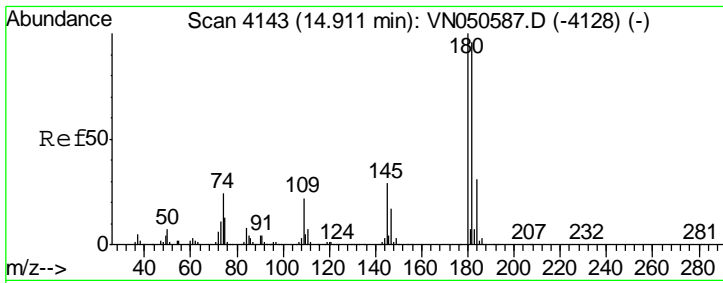
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.38 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
75	100		
155	88.9	46.6	139.8
157	114.0	58.1	174.2





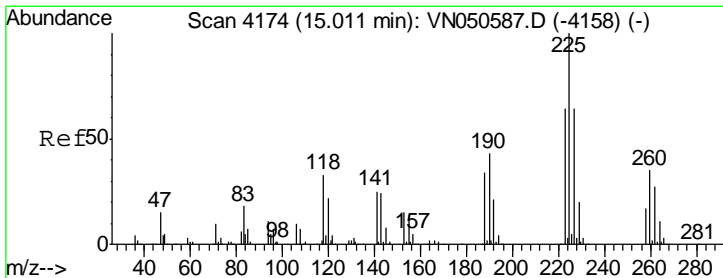
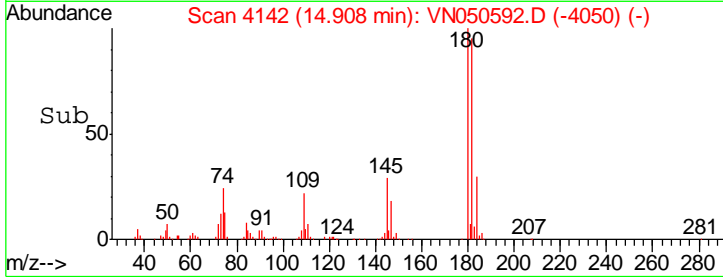
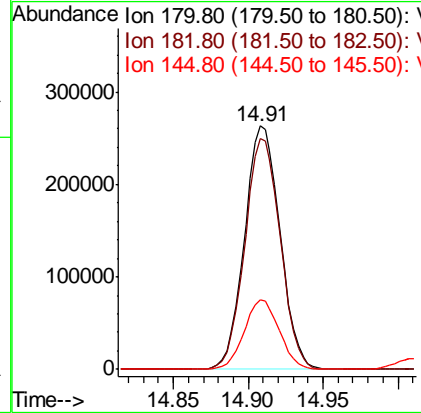
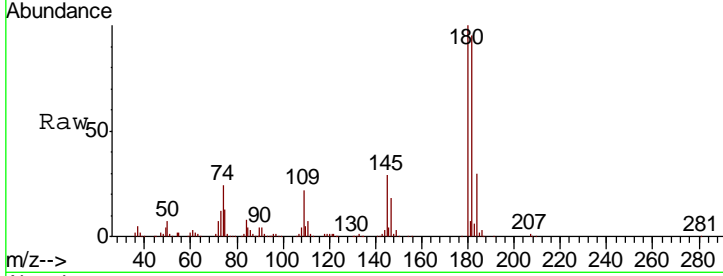
#93
 1,2,4-Trichlorobenzene
 Concen: 48.52 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	28.2	14.4	43.4

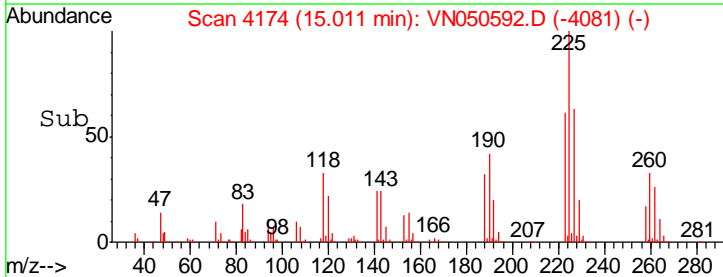
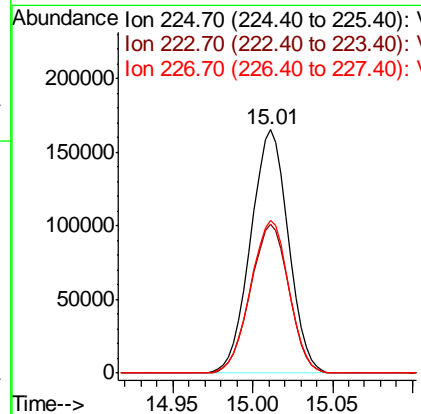
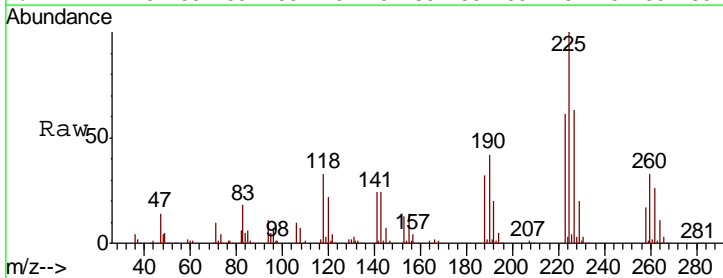
Manual Integrations
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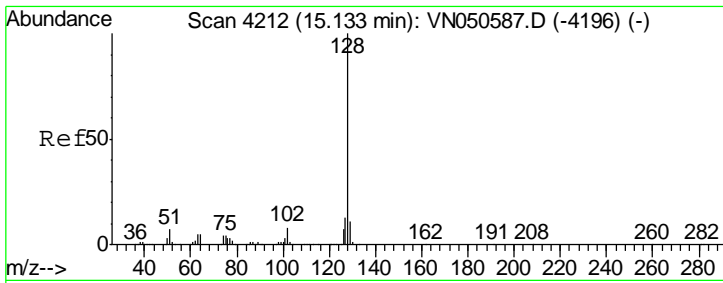
MMDadoda
 8/15/2018 3:31:20 PM



#94
 Hexachlorobutadiene
 Concen: 49.75 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
225	100		
223	62.4	32.1	96.3
227	63.9	32.0	96.2





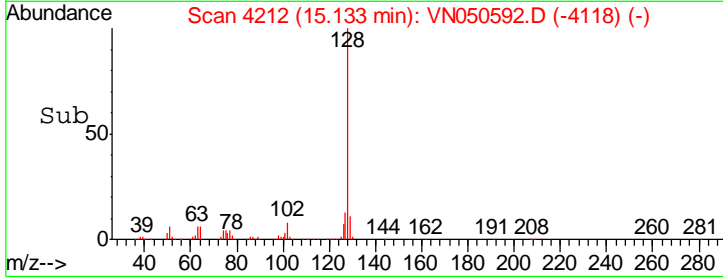
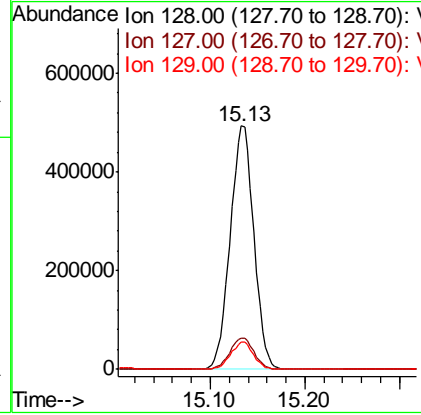
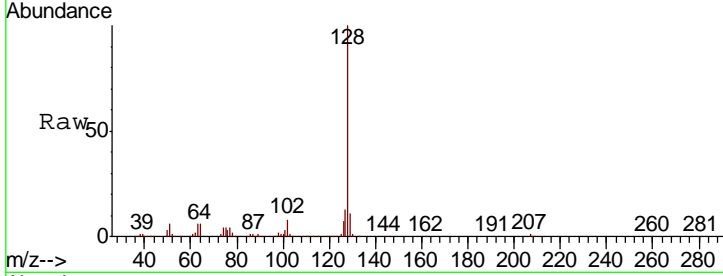
#95
 Naphthalene
 Concen: 45.33 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.8	8.5	12.7

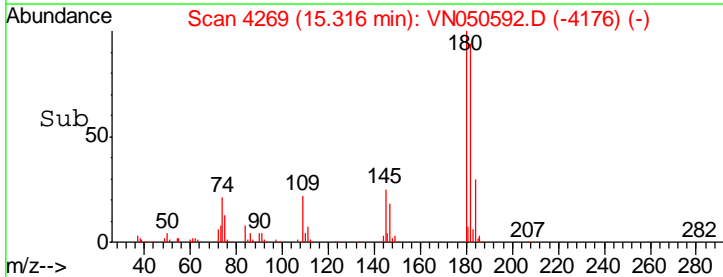
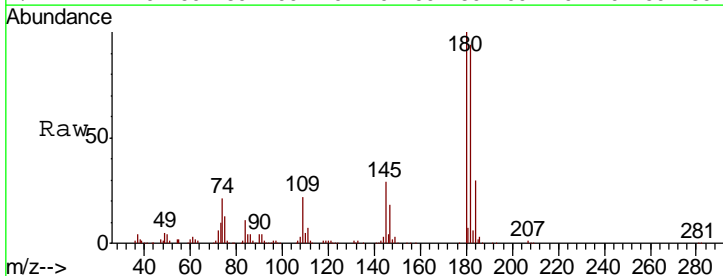
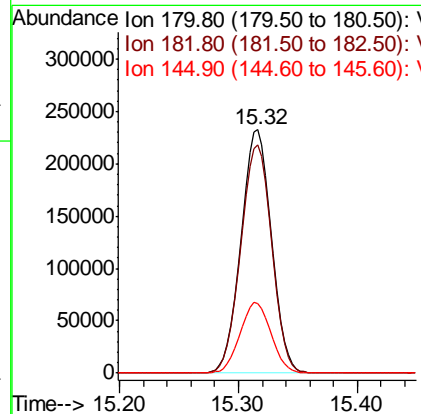
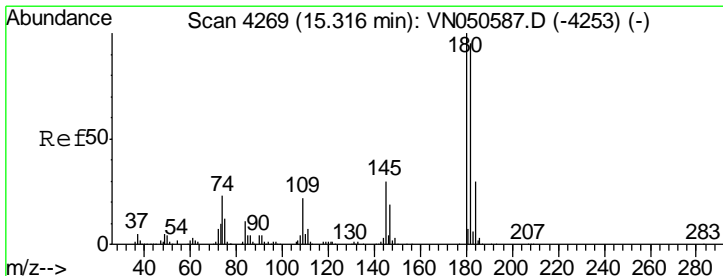
Manual Integrations
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 8/15/2018 3:31:20 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 49.34 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050592.D
 Acq: 14 Aug 2018 10:45

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.1	47.3	141.8
145	29.5	14.6	44.0



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	107	0.00
2 T	Dichlorodifluoromethane	0.564	0.509	9.8	100	0.00
3 P	Chloromethane	0.769	0.654	15.0	104	0.00
4 C	Vinyl Chloride	0.749	0.666	11.1#	101	0.00
5 T	Bromomethane	0.484	0.360	25.6#	94	0.00
6 T	Chloroethane	0.470	0.401	14.7	102	0.00
7 T	Trichlorofluoromethane	0.983	0.856	12.9	101	0.00
8 T	Diethyl Ether	0.327	0.290	11.3	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.594	0.541	8.9	104	0.00
10 T	Methyl Iodide	0.384	0.422	-9.9	124	0.00
11 T	Tert butyl alcohol	0.034	0.031	8.8	101	0.00
12 CM	1,1-Dichloroethene	0.543	0.486	10.5#	101	0.00
13 T	Acrolein	0.014	0.011	21.4#	96	0.00
14 T	Allyl chloride	0.844	0.779	7.7	103	0.00
15 T	Acrylonitrile	0.189	0.172	9.0	99	0.00
16 T	Acetone	0.174	0.154	11.5	107	0.00
17 T	Carbon Disulfide	1.707	1.529	10.4	102	0.00
18 T	Methyl Acetate	0.591	0.405	31.5#	101	0.00
19 T	Methyl tert-butyl Ether	1.381	1.301	5.8	101	0.00
20 T	Methylene Chloride	0.685	0.565	17.5	100	0.00
21 T	trans-1,2-Dichloroethene	0.588	0.540	8.2	102	0.00
22 T	Diisopropyl ether	1.730	1.664	3.8	100	0.00
23 T	Vinyl Acetate	1.132	1.111	1.9	101	0.00
24 P	1,1-Dichloroethane	1.120	0.980	12.5	100	0.00
25 T	2-Butanone	0.258	0.251	2.7	106	0.00
26 T	2,2-Dichloropropane	0.749	0.822	-9.7	128	0.00
27 T	cis-1,2-Dichloroethene	0.655	0.595	9.2	101	0.00
28 T	Bromochloromethane	0.510	0.471	7.6	102	0.00
29 T	Tetrahydrofuran	0.135	0.126	6.7	99	0.00
30 C	Chloroform	1.135	0.999	12.0#	102	0.00
31 T	Cyclohexane	1.095	0.907	17.2	102	0.00
32 T	1,1,1-Trichloroethane	0.955	0.848	11.2	100	0.00
33 S	1,2-Dichloroethane-d4	0.630	0.595	5.6	103	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35 S	Dibromofluoromethane	0.399	0.403	-1.0	103	0.00
36 T	1,1-Dichloropropene	0.557	0.562	-0.9	102	0.00
37 T	Ethyl Acetate	0.315	0.318	-1.0	101	0.00
38 T	Carbon Tetrachloride	0.577	0.551	4.5	102	0.00
39 T	Methylcyclohexane	0.576	0.627	-8.9	105	0.00
40 TM	Benzene	1.693	1.672	1.2	101	0.00
41 T	Methacrylonitrile	0.170	0.173	-1.8	98	0.00
42 TM	1,2-Dichloroethane	0.519	0.500	3.7	101	0.00
43 T	Isopropyl Acetate	0.573	0.561	2.1	100	0.00
44 TM	Trichloroethene	0.454	0.437	3.7	101	0.00
45 C	1,2-Dichloropropane	0.451	0.441	2.2#	102	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.266	0.253	4.9	102	0.00
47 T	Bromodichloromethane	0.569	0.551	3.2	102	0.00
48 T	Methyl methacrylate	0.289	0.283	2.1	101	0.00
49 T	1,4-Dioxane	0.004	0.004	0.0	106	0.00
50 S	Toluene-d8	1.502	1.539	-2.5	104	0.00
51 T	4-Methyl-2-Pentanone	0.388	0.397	-2.3	101	0.00
52 CM	Toluene	1.011	1.052	-4.1#	103	0.00
53 T	t-1,3-Dichloropropene	0.530	0.559	-5.5	106	0.00
54 T	cis-1,3-Dichloropropene	0.608	0.658	-8.2	107	0.00
55 T	1,1,2-Trichloroethane	0.378	0.365	3.4	101	0.00
56 T	Ethyl methacrylate	0.427	0.461	-8.0	102	0.00
57 T	1,3-Dichloropropane	0.619	0.615	0.6	102	0.00
58 T	2-Chloroethyl Vinyl ether	0.200	0.222	-11.0	102	0.00
59 T	2-Hexanone	0.250	0.275	-10.0	106	0.00
60 T	Dibromochloromethane	0.417	0.419	-0.5	102	0.00
61 T	1,2-Dibromoethane	0.360	0.360	0.0	101	0.00
62 S	4-Bromofluorobenzene	0.496	0.524	-5.6	106	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.464	0.436	6.0	99	0.00
65 PM	Chlorobenzene	1.244	1.212	2.6	103	0.00
66 T	1,1,1,2-Tetrachloroethane	0.466	0.438	6.0	101	0.00
67 C	Ethyl Benzene	2.009	2.089	-4.0#	103	0.00
68 T	m/p-Xylenes	0.768	0.817	-6.4	104	0.00
69 T	o-Xylene	0.733	0.770	-5.0	103	0.00
70 T	Styrene	1.177	1.289	-9.5	105	0.00
71 P	Bromoform	0.309	0.309	0.0	105	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
73 T	Isopropylbenzene	3.907	3.900	0.2	104	0.00
74 T	N-amyl acetate	1.016	1.003	1.3	104	0.00
75 P	1,1,2,2-Tetrachloroethane	1.068	0.912	14.6	104	0.00
76 T	1,2,3-Trichloropropane	0.899	0.733	18.5	101	0.00
77 T	Bromobenzene	1.061	0.991	6.6	103	0.00
78 T	n-propylbenzene	4.356	4.543	-4.3	106	0.00
79 T	2-Chlorotoluene	2.716	2.670	1.7	104	0.00
80 T	1,3,5-Trimethylbenzene	3.128	3.259	-4.2	105	0.00
81 T	trans-1,4-Dichloro-2-butene	0.225	0.245	-8.9	118	0.00
82 T	4-Chlorotoluene	2.684	2.739	-2.0	105	0.00
83 T	tert-Butylbenzene	2.715	2.728	-0.5	106	0.00
84 T	1,2,4-Trimethylbenzene	3.139	3.315	-5.6	105	0.00
85 T	sec-Butylbenzene	3.548	3.710	-4.6	107	0.00
86 T	p-Isopropyltoluene	3.006	3.283	-9.2	108	0.00
87 T	1,3-Dichlorobenzene	1.806	1.794	0.7	107	0.00
88 T	1,4-Dichlorobenzene	1.792	1.741	2.8	107	0.00
89 T	n-Butylbenzene	2.428	2.710	-11.6	112	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T Hexachloroethane	0.605	0.571	5.6	110	0.00
91 T 1,2-Dichlorobenzene	1.762	1.701	3.5	106	0.00
92 T 1,2-Dibromo-3-Chloropropane	0.139	0.132	5.0	105	0.00
93 T 1,2,4-Trichlorobenzene	0.767	0.876	-14.2	109	0.00
94 T Hexachlorobutadiene	0.540	0.537	0.6	115	0.00
95 T Naphthalene	1.531	1.729	-12.9	104	0.00
96 T 1,2,3-Trichlorobenzene	0.745	0.833	-11.8	108	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	107	0.00
2 T	Dichlorodifluoromethane	50.000	45.154	9.7	100	0.00
3 P	Chloromethane	50.000	47.565	4.9	104	0.00
4 C	Vinyl Chloride	50.000	44.454	11.1#	101	0.00
5 T	Bromomethane	50.000	44.505	11.0	94	0.00
6 T	Chloroethane	50.000	48.184	3.6	102	0.00
7 T	Trichlorofluoromethane	50.000	43.585	12.8	101	0.00
8 T	Diethyl Ether	50.000	44.420	11.2	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	45.516	9.0	104	0.00
10 T	Methyl Iodide	50.000	49.980	0.0	124	0.00
11 T	Tert butyl alcohol	250.000	227.283	9.1	101	0.00
12 CM	1,1-Dichloroethene	50.000	44.796	10.4#	101	0.00
13 T	Acrolein	250.000	211.995	15.2	96	0.00
14 T	Allyl chloride	50.000	46.176	7.6	103	0.00
15 T	Acrylonitrile	250.000	228.030	8.8	99	0.00
16 T	Acetone	250.000	244.607	2.2	107	0.00
17 T	Carbon Disulfide	50.000	44.789	10.4	102	0.00
18 T	Methyl Acetate	50.000	45.641	8.7	101	0.00
19 T	Methyl tert-butyl Ether	50.000	47.094	5.8	101	0.00
20 T	Methylene Chloride	50.000	47.120	5.8	100	0.00
21 T	trans-1,2-Dichloroethene	50.000	45.870	8.3	102	0.00
22 T	Diisopropyl ether	50.000	48.088	3.8	100	0.00
23 T	Vinyl Acetate	250.000	245.502	1.8	101	0.00
24 P	1,1-Dichloroethane	50.000	43.777	12.4	100	0.00
25 T	2-Butanone	250.000	242.390	3.0	106	0.00
26 T	2,2-Dichloropropane	50.000	54.833	-9.7	128	0.00
27 T	cis-1,2-Dichloroethene	50.000	45.387	9.2	101	0.00
28 T	Bromochloromethane	50.000	46.188	7.6	102	0.00
29 T	Tetrahydrofuran	250.000	233.673	6.5	99	0.00
30 C	Chloroform	50.000	44.023	12.0#	102	0.00
31 T	Cyclohexane	50.000	47.428	5.1	102	0.00
32 T	1,1,1-Trichloroethane	50.000	44.401	11.2	100	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.241	5.5	103	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35 S	Dibromofluoromethane	50.000	50.499	-1.0	103	0.00
36 T	1,1-Dichloropropene	50.000	50.489	-1.0	102	0.00
37 T	Ethyl Acetate	50.000	50.606	-1.2	101	0.00
38 T	Carbon Tetrachloride	50.000	47.715	4.6	102	0.00
39 T	Methylcyclohexane	50.000	54.377	-8.8	105	0.00
40 TM	Benzene	50.000	49.382	1.2	101	0.00
41 T	Methacrylonitrile	50.000	50.860	-1.7	98	0.00
42 TM	1,2-Dichloroethane	50.000	48.196	3.6	101	0.00
43 T	Isopropyl Acetate	50.000	48.879	2.2	100	0.00
44 TM	Trichloroethene	50.000	48.145	3.7	101	0.00
45 C	1,2-Dichloropropane	50.000	48.866	2.3#	102	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	47.540	4.9	102	0.00
47 T	Bromodichloromethane	50.000	48.467	3.1	102	0.00
48 T	Methyl methacrylate	50.000	48.986	2.0	101	0.00
49 T	1,4-Dioxane	1000.000	1041.751	-4.2	106	0.00
50 S	Toluene-d8	50.000	51.219	-2.4	104	0.00
51 T	4-Methyl-2-Pentanone	250.000	256.111	-2.4	101	0.00
52 CM	Toluene	50.000	52.049	-4.1#	103	0.00
53 T	t-1,3-Dichloropropene	50.000	52.712	-5.4	106	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.120	-8.2	107	0.00
55 T	1,1,2-Trichloroethane	50.000	48.305	3.4	101	0.00
56 T	Ethyl methacrylate	50.000	47.889	4.2	102	0.00
57 T	1,3-Dichloropropane	50.000	49.673	0.7	102	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	240.887	3.6	102	0.00
59 T	2-Hexanone	250.000	274.551	-9.8	106	0.00
60 T	Dibromochloromethane	50.000	50.215	-0.4	102	0.00
61 T	1,2-Dibromoethane	50.000	50.028	-0.1	101	0.00
62 S	4-Bromofluorobenzene	50.000	52.754	-5.5	106	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	46.901	6.2	99	0.00
65 PM	Chlorobenzene	50.000	48.692	2.6	103	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	46.921	6.2	101	0.00
67 C	Ethyl Benzene	50.000	51.994	-4.0#	103	0.00
68 T	m/p-Xylenes	100.000	106.301	-6.3	104	0.00
69 T	o-Xylene	50.000	52.569	-5.1	103	0.00
70 T	Styrene	50.000	49.467	1.1	105	0.00
71 P	Bromoform	50.000	49.883	0.2	105	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	106	0.00
73 T	Isopropylbenzene	50.000	49.918	0.2	104	0.00
74 T	N-amyl acetate	50.000	49.327	1.3	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.306	-0.6	104	0.00
76 T	1,2,3-Trichloropropane	50.000	45.255	9.5	101	0.00
77 T	Bromobenzene	50.000	46.709	6.6	103	0.00
78 T	n-propylbenzene	50.000	52.146	-4.3	106	0.00
79 T	2-Chlorotoluene	50.000	49.155	1.7	104	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.090	-4.2	105	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	54.499	-9.0	118	0.00
82 T	4-Chlorotoluene	50.000	51.024	-2.0	105	0.00
83 T	tert-Butylbenzene	50.000	50.237	-0.5	106	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.791	-5.6	105	0.00
85 T	sec-Butylbenzene	50.000	52.285	-4.6	107	0.00
86 T	p-Isopropyltoluene	50.000	54.594	-9.2	108	0.00
87 T	1,3-Dichlorobenzene	50.000	49.688	0.6	107	0.00
88 T	1,4-Dichlorobenzene	50.000	48.574	2.9	107	0.00
89 T	n-Butylbenzene	50.000	55.806	-11.6	112	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050592.D
 Acq On : 14 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 15 08:23:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	47.258	5.5	110	0.00
91 T	1,2-Dichlorobenzene	50.000	48.291	3.4	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.379	5.2	105	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.519	3.0	109	0.00
94 T	Hexachlorobutadiene	50.000	49.751	0.5	115	0.00
95 T	Naphthalene	50.000	45.329	9.3	104	0.00
96 T	1,2,3-Trichlorobenzene	50.000	49.340	1.3	108	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG No.: J4469
 Instrument ID: MSVOA_N Calibration Date/Time: 08/15/2018 08:26
 Lab File ID: VN050639.D Init. Calib. Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.564	0.508		-9.93	20
Chloromethane	0.769	0.643	0.1	-16.39	20
Vinyl Chloride	0.749	0.670		-10.55	20
Bromomethane	0.484	0.389		-19.63	20
Chloroethane	0.470	0.406		-13.62	20
Trichlorofluoromethane	0.983	0.880		-10.48	20
1,1,2-Trichlorotrifluoroethane	0.594	0.553		-6.9	20
1,1-Dichloroethene	0.543	0.493		-9.21	20
Acetone	0.174	0.164		-5.75	20
Carbon Disulfide	1.707	1.556		-8.85	20
Methyl tert-butyl Ether	1.381	1.298		-6.01	20
Methyl Acetate	0.591	0.399		-32.49	20
Methylene Chloride	0.685	0.576		-15.91	20
trans-1,2-Dichloroethene	0.588	0.546		-7.14	20
1,1-Dichloroethane	1.120	1.006	0.1	-10.18	20
Cyclohexane	1.095	0.918		-16.16	20
2-Butanone	0.258	0.242		-6.2	20
Carbon Tetrachloride	0.577	0.564		-2.25	20
cis-1,2-Dichloroethene	0.655	0.606		-7.48	20
Bromochloromethane	0.510	0.478		-6.28	20
Chloroform	1.135	1.010		-11.01	20
1,1,1-Trichloroethane	0.955	0.864		-9.53	20
Methylcyclohexane	0.576	0.646		12.15	20
Benzene	1.693	1.715		1.3	20
1,2-Dichloroethane	0.519	0.507		-2.31	20
Trichloroethene	0.454	0.448		-1.32	20
1,2-Dichloropropane	0.451	0.444		-1.55	20
Bromodichloromethane	0.569	0.562		-1.23	20
4-Methyl-2-Pentanone	0.388	0.385		-0.77	20
Toluene	1.011	1.055		4.35	20
t-1,3-Dichloropropene	0.530	0.559		5.47	20
cis-1,3-Dichloropropene	0.608	0.657		8.06	20
1,1,2-Trichloroethane	0.378	0.366		-3.17	20
2-Hexanone	0.250	0.256		2.4	20
Dibromochloromethane	0.417	0.423		1.44	20
1,2-Dibromoethane	0.360	0.361		0.28	20
Tetrachloroethene	0.464	0.454		-2.15	20
Chlorobenzene	1.244	1.248	0.3	0.32	20
Ethyl Benzene	2.009	2.162		7.62	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: J4469 SAS No.: J4469 SDG No.: J4469
 Instrument ID: MSVOA_N Calibration Date/Time: 08/15/2018 08:26
 Lab File ID: VN050639.D Init. Calib. Date(s): 08/13/2018 08/14/2018
 Heated Purge: (Y/N) N Init. Calib. Time(s): 23:46 01:49
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.768	0.838		9.11	20
o-Xylene	0.733	0.785		7.09	20
Styrene	1.177	1.308		11.13	20
Bromoform	0.309	0.305	0.1	-1.29	20
Isopropylbenzene	3.907	4.072		4.22	20
1,1,2,2-Tetrachloroethane	1.068	0.925	0.3	-13.39	20
1,3-Dichlorobenzene	1.806	1.815		0.5	20
1,4-Dichlorobenzene	1.792	1.763		-1.62	20
1,2-Dichlorobenzene	1.762	1.723		-2.21	20
1,2-Dibromo-3-Chloropropane	0.139	0.125		-10.07	20
1,2,4-Trichlorobenzene	0.767	0.857		11.73	20
1,2,3-Trichlorobenzene	0.745	0.807		8.32	20
1,2-Dichloroethane-d4	0.630	0.570		-9.52	20
Dibromofluoromethane	0.399	0.390		-2.26	20
Toluene-d8	1.502	1.487		-1	20
4-Bromofluorobenzene	0.496	0.495		-0.2	20

All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:21 PM

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	694246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	958096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	887834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	460297	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	395466	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
35) Dibromofluoromethane	7.59	113	373243	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	1424657	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	474183	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	352783	45.07	ug/l	99
3) Chloromethane	2.06	50	446607	46.80	ug/l	99
4) Vinyl Chloride	2.19	62	465111	44.73	ug/l	99
5) Bromomethane	2.56	94	270226	48.29	ug/l	97
6) Chloroethane	2.70	64	281791	48.73	ug/l	100
7) Trichlorofluoromethane	3.01	101	610957	44.78	ug/l	100
8) Diethyl Ether	3.41	74	202319	44.58	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	383700	46.51	ug/l	99
10) Methyl Iodide	3.95	142	278076	47.78	ug/l	100
11) Tert butyl alcohol	4.79	59	102190	213.86	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	342318	45.44	ug/l	97
13) Acrolein	3.61	56	36389	197.79	ug/l	99
14) Allyl chloride	4.32	41	543541	46.39	ug/l	100
15) Acrylonitrile	4.99	53	584662	222.78	ug/l	99
16) Acetone	3.82	43	568496	260.24	ug/l	98
17) Carbon Disulfide	4.05	76	1079967	45.56	ug/l	100
18) Methyl Acetate	4.33	43	277117	44.99	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	901391	47.02	ug/l	100
20) Methylene Chloride	4.55	84	399729	48.01	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	378812	46.38	ug/l	99
22) Diisopropyl ether	5.95	45	1170058	48.70	ug/l	98
23) Vinyl Acetate	5.90	43	3821187	243.15	ug/l	99
24) 1,1-Dichloroethane	5.85	63	698134	44.91	ug/l	99
25) 2-Butanone	6.84	43	838450	233.68	ug/l	99
26) 2,2-Dichloropropane	6.82	77	567883	54.58	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	420900	46.28	ug/l	98
28) Bromochloromethane	7.19	49	331998	46.93	ug/l	99
29) Tetrahydrofuran	7.21	42	428816	228.89	ug/l	100
30) Chloroform	7.37	83	701440	44.53	ug/l	100
31) Cyclohexane	7.65	56	637367	48.03	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	599563	45.22	ug/l	100
36) 1,1-Dichloropropene	7.79	75	548837	51.46	ug/l	100
37) Ethyl Acetate	6.93	43	299784	49.73	ug/l	100
38) Carbon Tetrachloride	7.77	117	540750	48.87	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 8/16/2018 1:18:21 PM

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	618555	56.02	ug/l	98
40) Benzene	8.04	78	1643350	50.65	ug/l	100
41) Methacrylonitrile	7.17	41	160610	49.28	ug/l	99
42) 1,2-Dichloroethane	8.12	62	485722	48.84	ug/l	100
43) Isopropyl Acetate	8.17	43	519814	47.31	ug/l	98
44) Trichloroethene	8.84	130	429118	49.37	ug/l	99
45) 1,2-Dichloropropane	9.12	63	425550	49.27	ug/l	100
46) Dibromomethane	9.21	93	246647	48.36	ug/l	98
47) Bromodichloromethane	9.40	83	538493	49.40	ug/l	99
48) Methyl methacrylate	9.20	41	263384	47.64	ug/l	98
49) 1,4-Dioxane	9.20	88	70472	967.64	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1843658	248.12	ug/l	100
52) Toluene	10.16	92	1010366	52.15	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	535212	52.71	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	629225	54.02	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	350469	48.43	ug/l	99
56) Ethyl methacrylate	10.43	69	428161	46.51	ug/l	98
57) 1,3-Dichloropropane	10.71	76	594599	50.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1024311	232.39	ug/l	100
59) 2-Hexanone	10.75	43	1226976	255.85	ug/l	99
60) Dibromochloromethane	10.90	129	405079	50.71	ug/l	99
61) 1,2-Dibromoethane	11.01	107	346056	50.21	ug/l	99
64) Tetrachloroethene	10.63	164	402859	48.86	ug/l	97
65) Chlorobenzene	11.43	112	1107796	50.14	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	407450	49.19	ug/l	100
67) Ethyl Benzene	11.51	91	1919863	53.81	ug/l	100
68) m/p-Xylenes	11.62	106	1488282	109.07	ug/l	100
69) o-Xylene	11.95	106	696679	53.54	ug/l	99
70) Styrene	11.96	104	1161526	50.19	ug/l	99
71) Bromoform	12.13	173	271048	49.35	ug/l #	99
73) Isopropylbenzene	12.25	105	1874191	52.11	ug/l	100
74) N-amyl acetate	12.07	43	446412	47.71	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	425858	51.05	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	337981m	45.35	ug/l	
77) Bromobenzene	12.53	156	468308	47.96	ug/l	99
78) n-propylbenzene	12.59	91	2171546	54.15	ug/l	100
79) 2-Chlorotoluene	12.67	91	1270901	50.83	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1559964	54.18	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105545	50.98	ug/l	99
82) 4-Chlorotoluene	12.77	91	1297850	52.53	ug/l	100
83) tert-Butylbenzene	12.99	119	1305852	52.24	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1586361	54.89	ug/l	100
85) sec-Butylbenzene	13.17	105	1760852	53.91	ug/l	100
86) p-Isopropyltoluene	13.29	119	1549672	55.99	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	835598	50.27	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	811463	49.19	ug/l	100
89) n-Butylbenzene	13.62	91	1251353	55.99	ug/l	99
90) Hexachloroethane	13.88	117	262840	47.23	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	793129	48.91	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57414	44.74	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 8/16/2018 1:18:21 PM

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	394580	47.55	ug/l	99
94) Hexachlorobutadiene	15.01	225	249152	50.11	ug/l	98
95) Naphthalene	15.13	128	758221	43.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	371296	47.85	ug/l	99

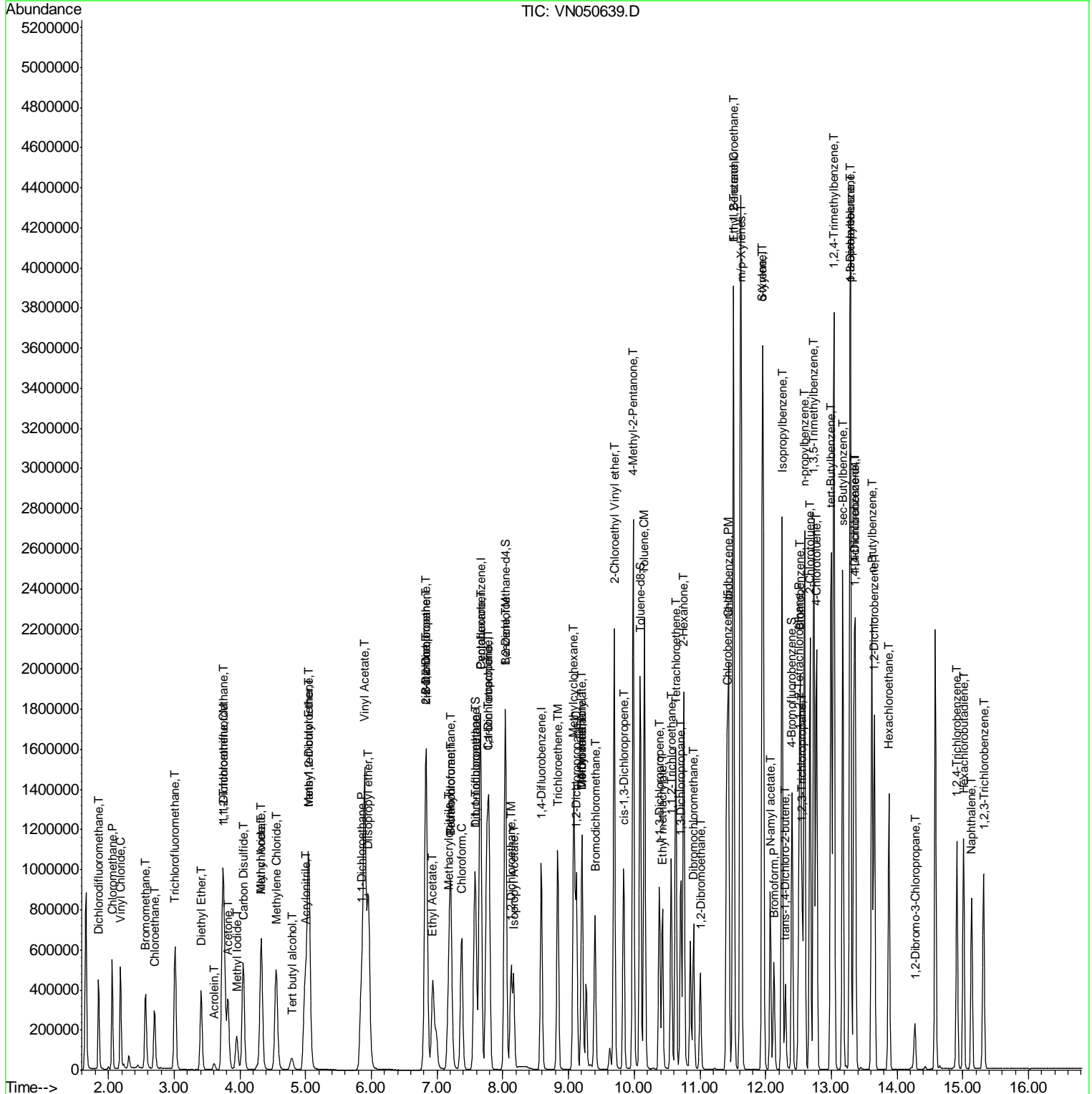
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

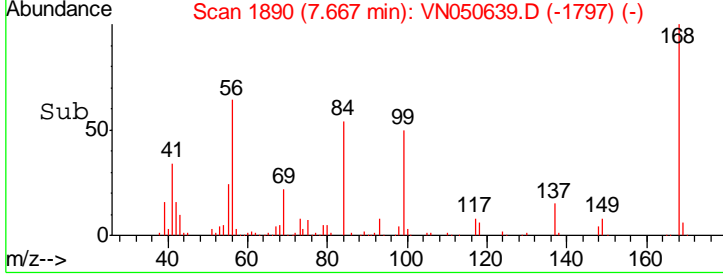
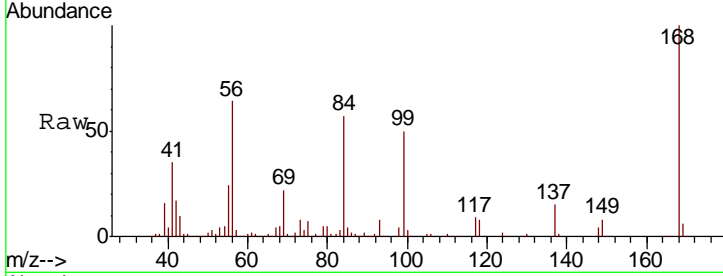
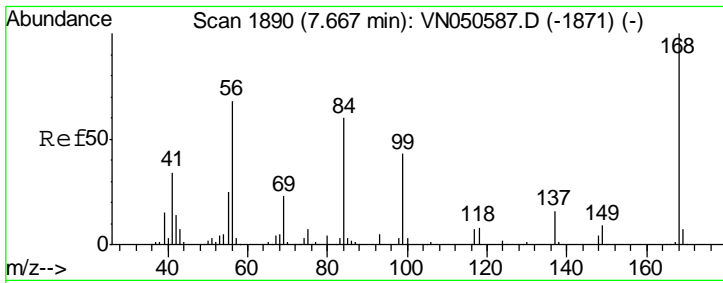
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDCCC050

Manual Integrations
 APPROVED
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 8/16/2018 1:18:21 PM

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



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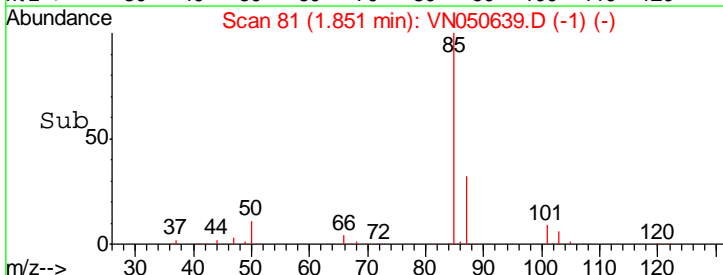
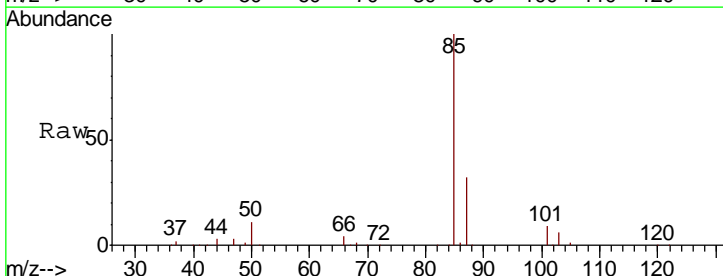
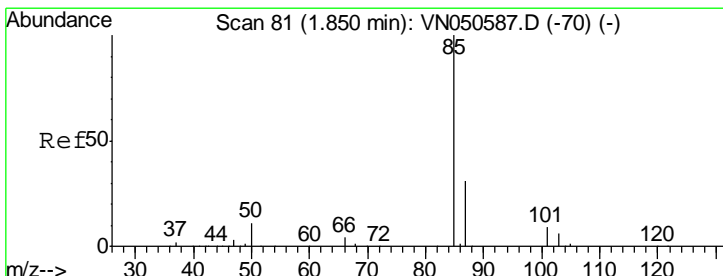
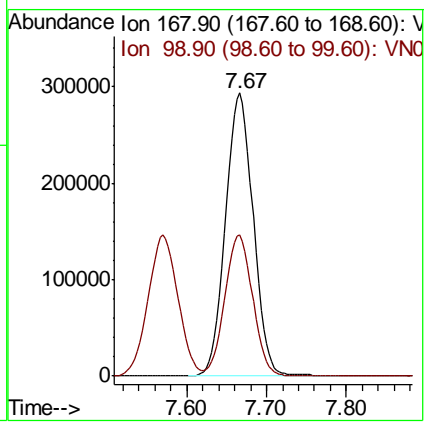
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 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 168 Resp: 694246
 Ion Ratio Lower Upper
 168 100
 99 49.6 40.8 61.2

Instrument :
 MSVOA_N
ClientSampled :
 VSTDCCC050

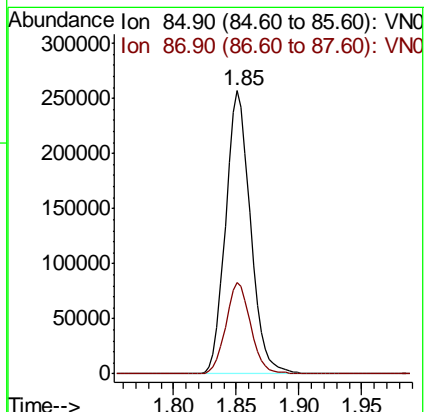
Manual Integrations
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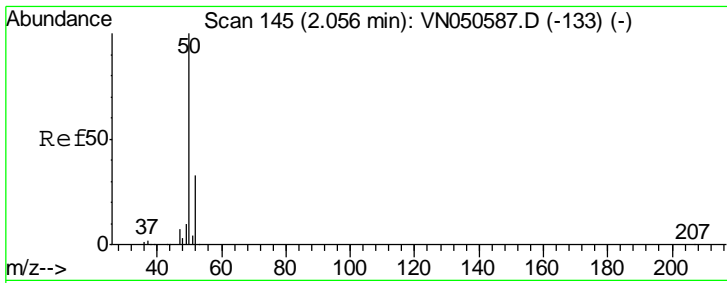
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#2
 Dichlorodifluoromethane
 Concen: 45.07 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 85 Resp: 352783
 Ion Ratio Lower Upper
 85 100
 87 32.3 15.8 47.3



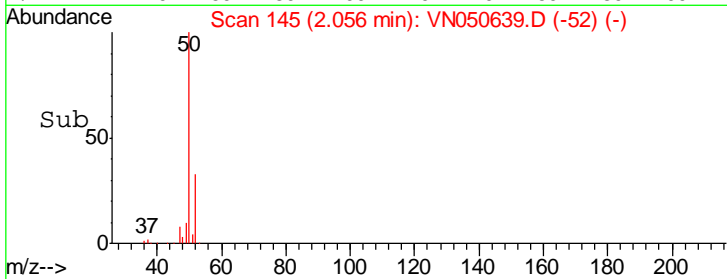
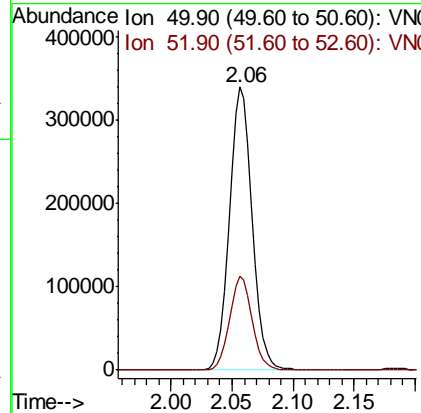
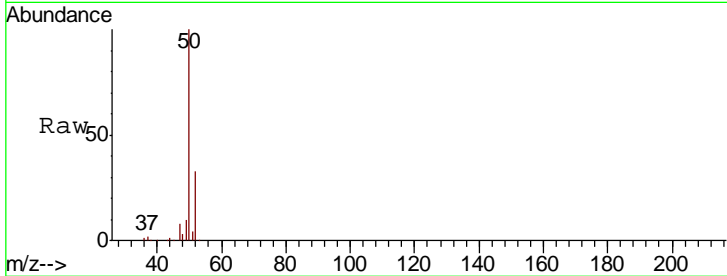


#3
 Chloromethane
 Concen: 46.80 ug/l
 RT: 2.06 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

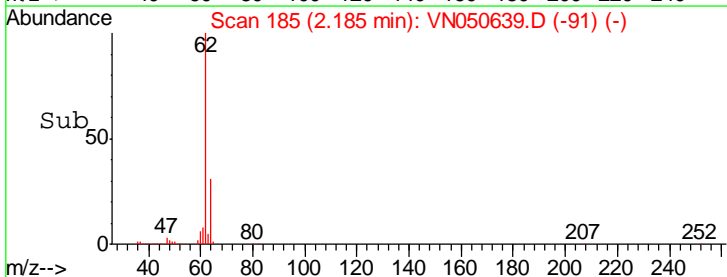
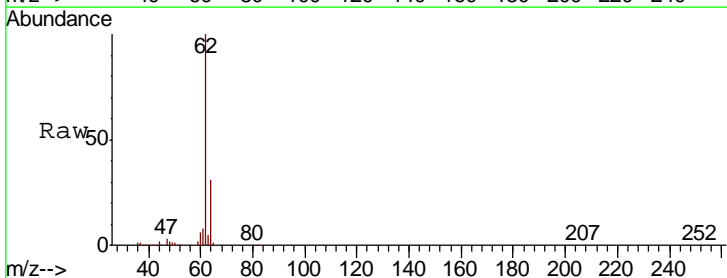
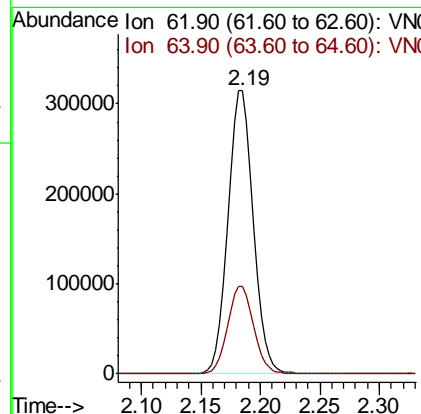
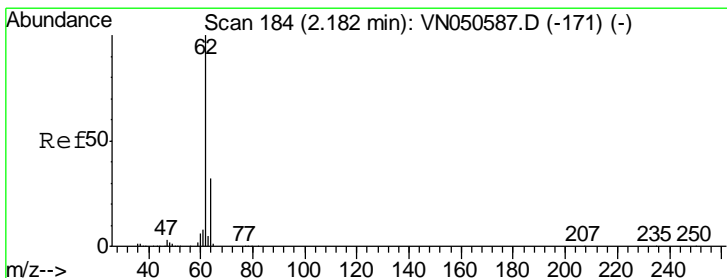
Tgt Ion	Resp	Lower	Upper
50	446607		
52	33.2	26.0	39.0

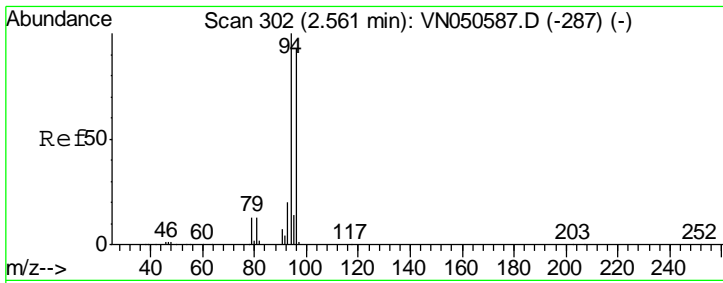
Manual Integrations
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 8/16/2018 1:18:21 PM



#4
 Vinyl Chloride
 Concen: 44.73 ug/l
 RT: 2.19 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
62	465111		
64	30.9	25.2	37.8



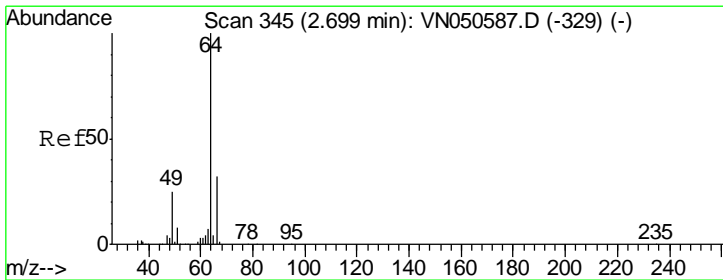
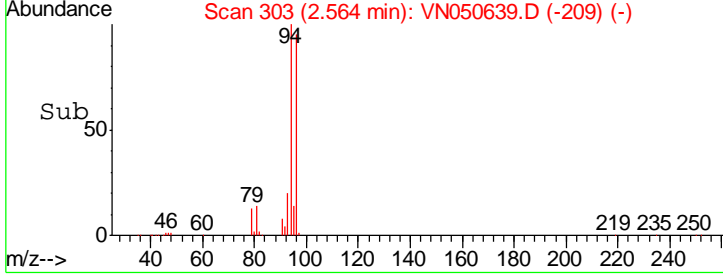
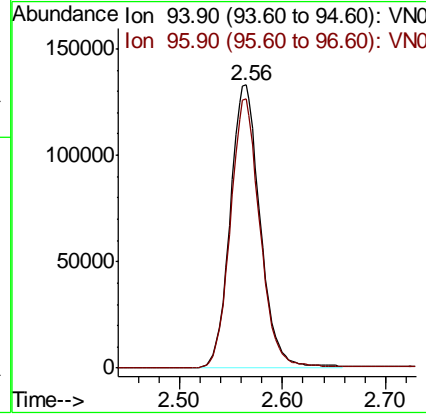
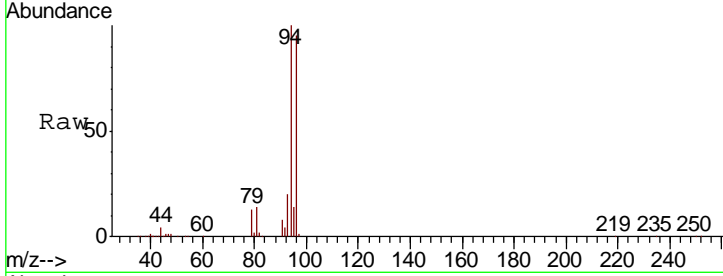


#5
 Bromomethane
 Concen: 48.29 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Ratio	Lower	Upper
94	100		
96	94.9	74.0	111.0

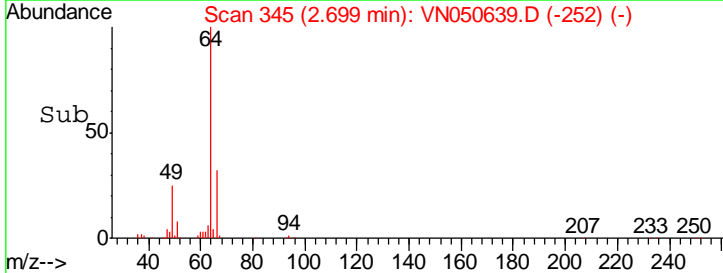
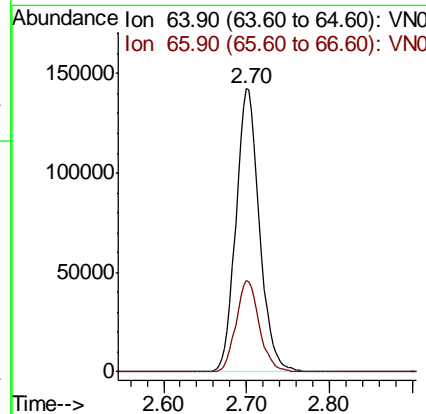
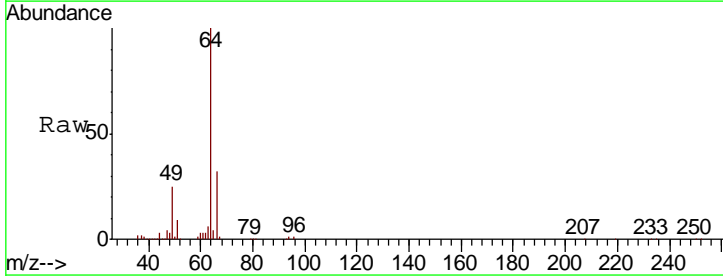
Instrument : MSVOA_N
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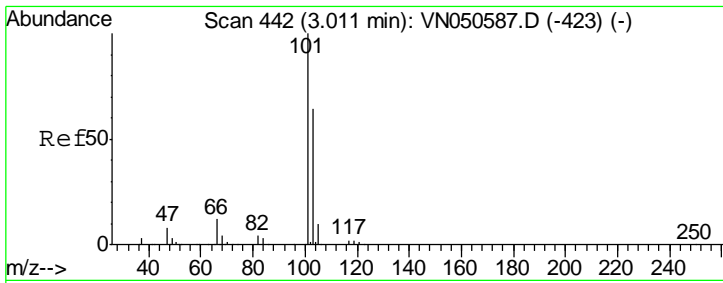
Manual Integrations
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 MMDadoda
 8/16/2018 1:18:21 PM



#6
 Chloroethane
 Concen: 48.73 ug/l
 RT: 2.70 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.1	25.7	38.5



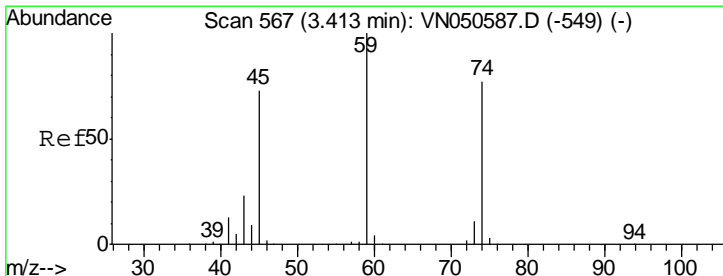
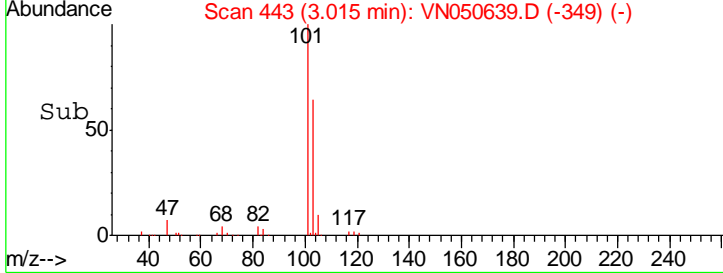
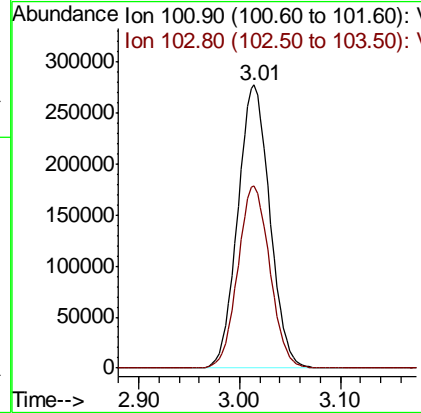
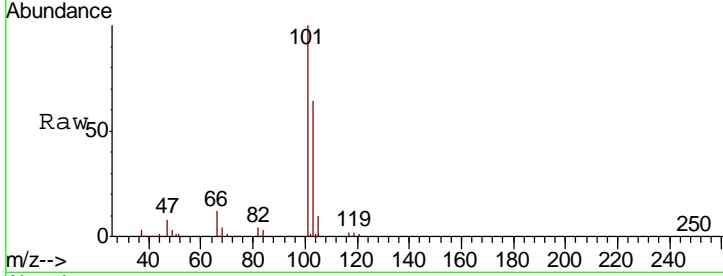


#7
 Trichlorofluoromethane
 Concen: 44.78 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
101	610957		
103	64.4	51.4	77.0

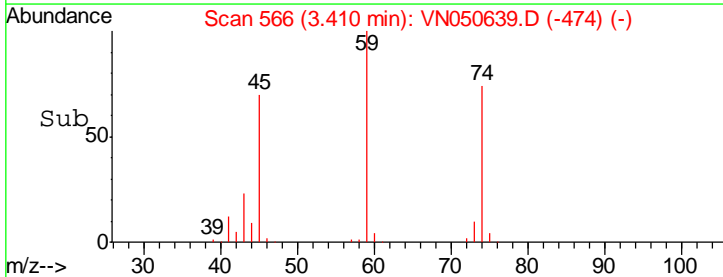
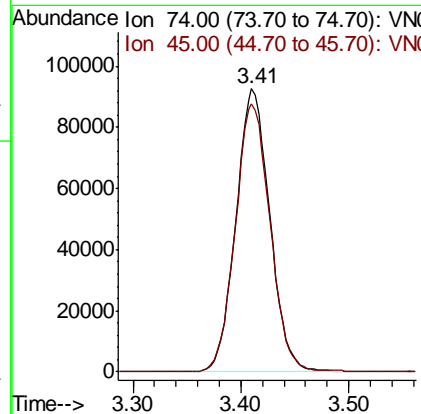
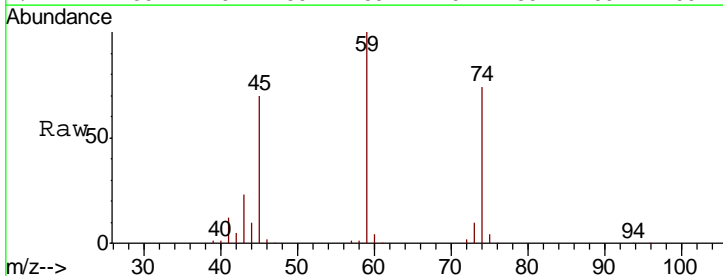
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

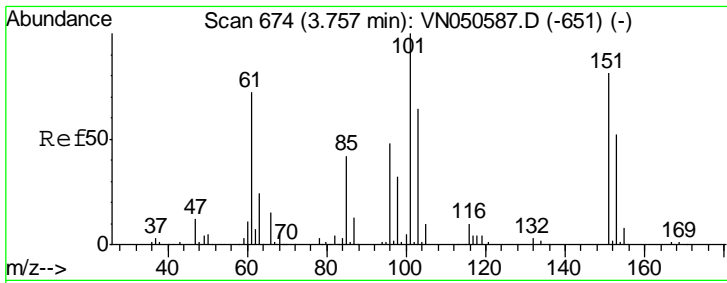
Manual Integrations
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 8/16/2018 1:18:21 PM



#8
 Diethyl Ether
 Concen: 44.58 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

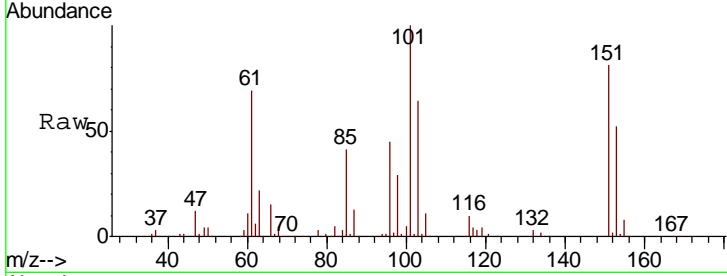
Tgt Ion	Resp	Lower	Upper
74	202319		
45	97.7	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.51 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

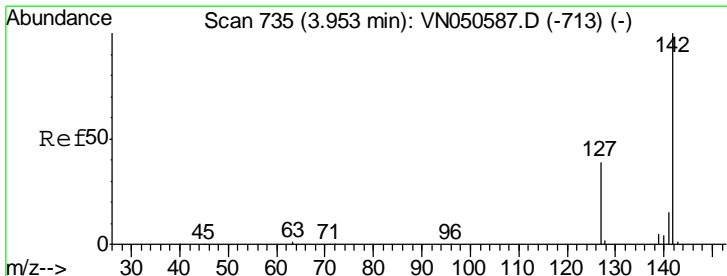
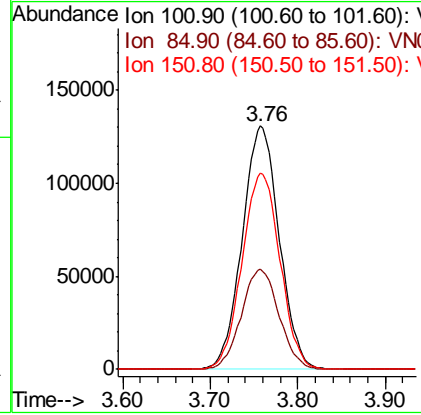
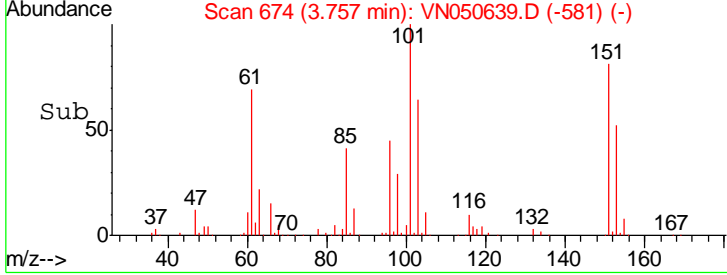
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050



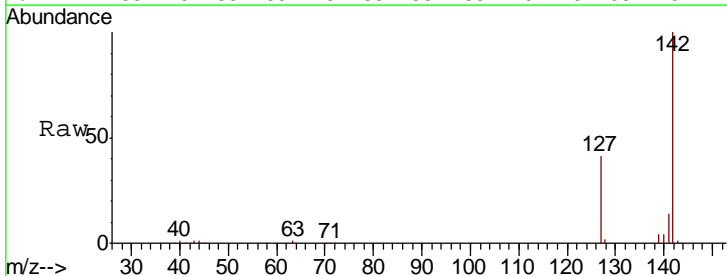
Tgt Ion: 101 Resp: 383700

Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.4	50.0
151	82.7	66.6	100.0

Manual Integrations
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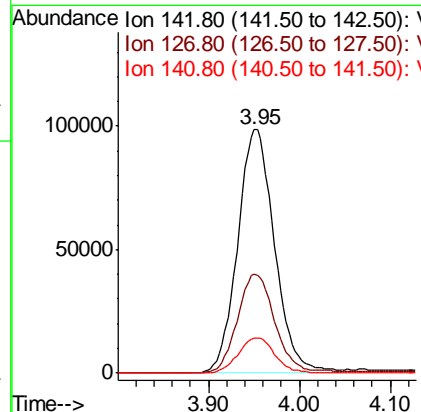
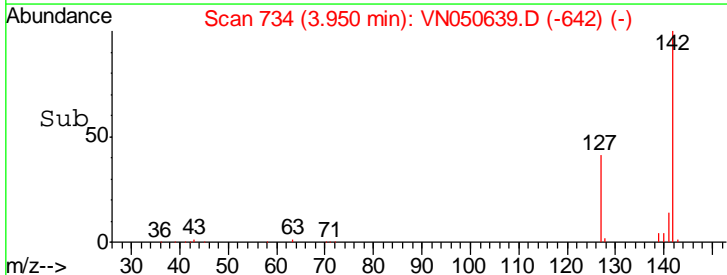


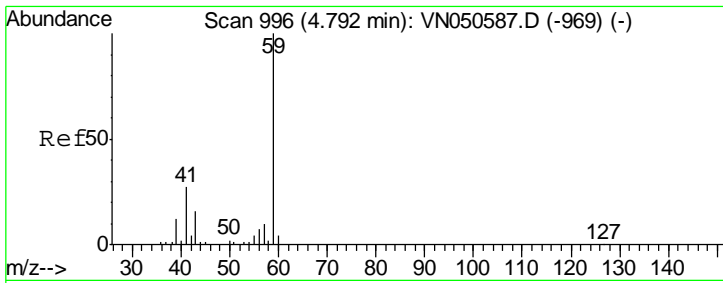
#10
 Methyl Iodide
 Concen: 47.78 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26



Tgt Ion: 142 Resp: 278076

Ion	Ratio	Lower	Upper
142	100		
127	41.0	32.6	49.0
141	14.4	11.5	17.3





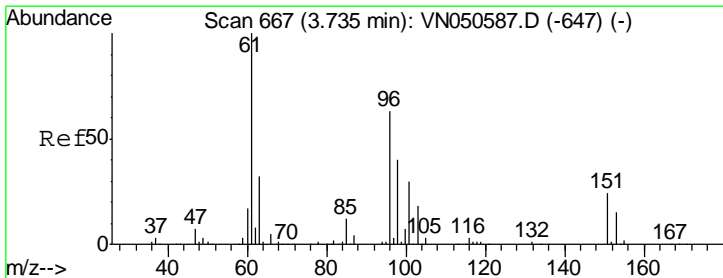
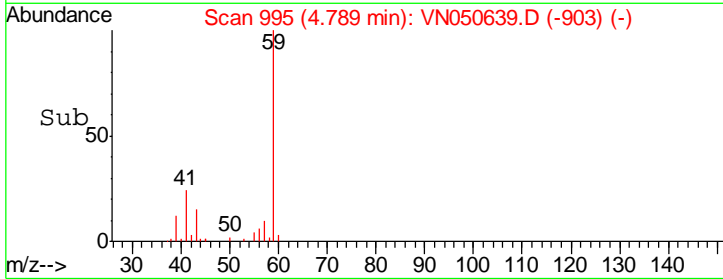
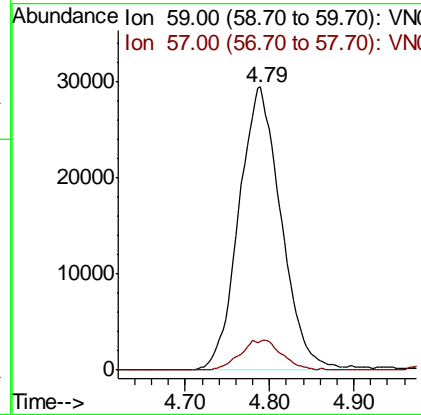
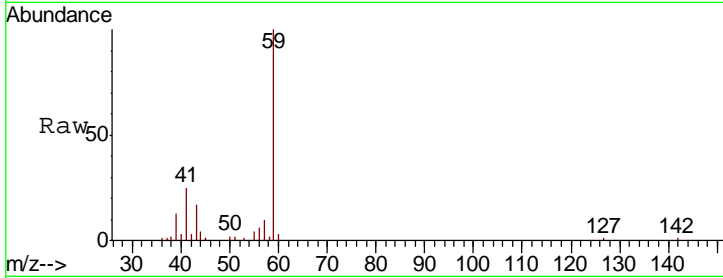
#11
 Tert butyl alcohol
 Concen: 213.86 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDC0050

Tgt Ion	Resp	Lower	Upper
59	102190		
57	0.0	8.4	12.6#

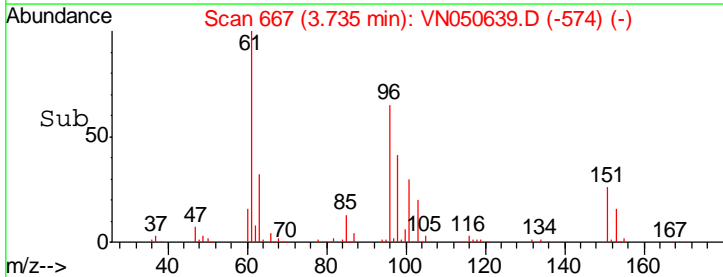
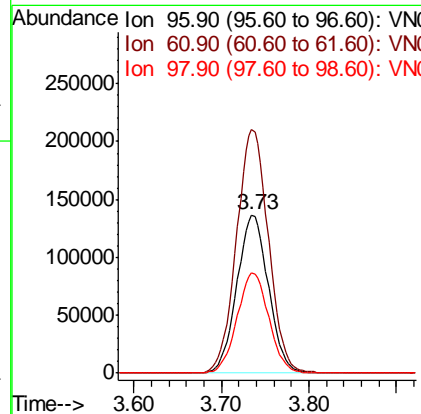
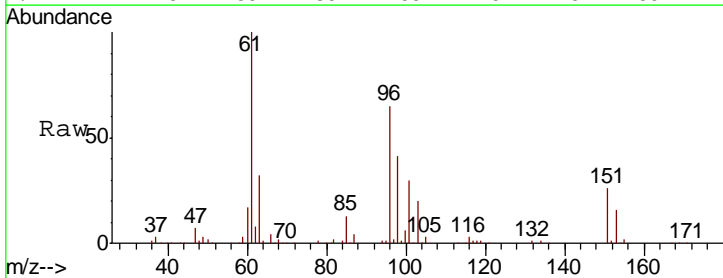
Manual Integrations
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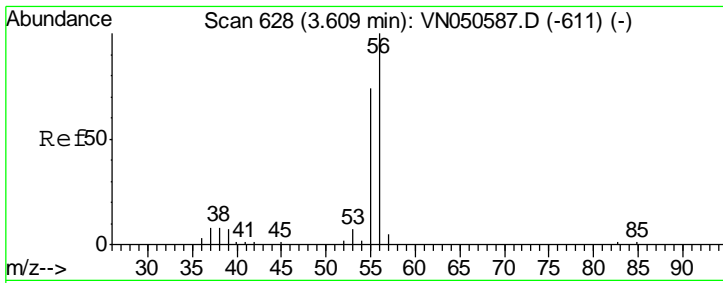
MMDadoda
 8/16/2018 1:18:21 PM



#12
 1,1-Dichloroethene
 Concen: 45.44 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
96	342318		
61	154.2	126.9	190.3
98	63.3	51.1	76.7





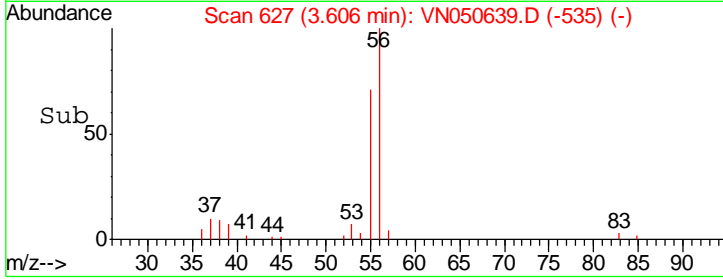
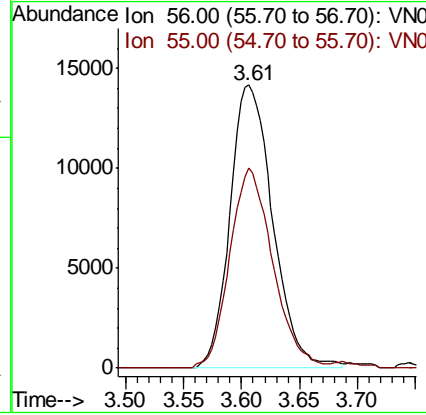
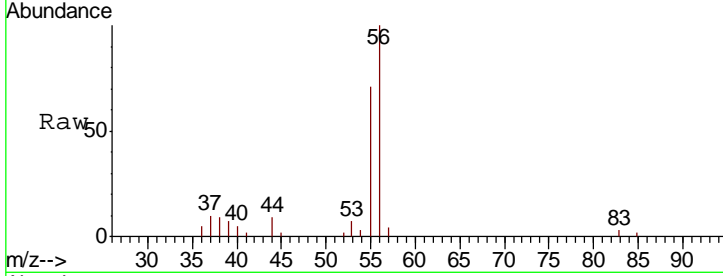
#13
 Acrolein
 Concen: 197.79 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
56	36389		
55	71.0	56.3	84.5

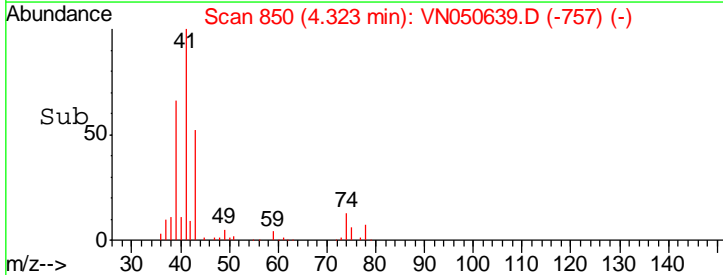
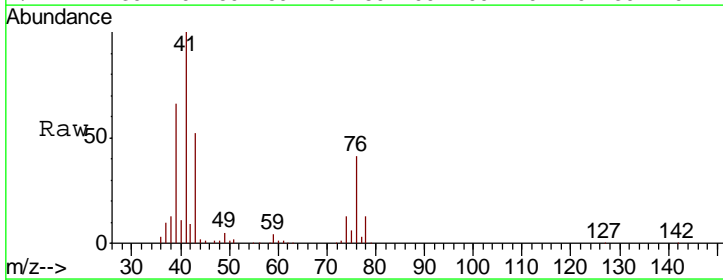
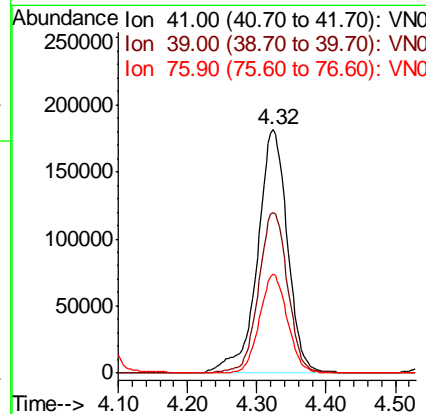
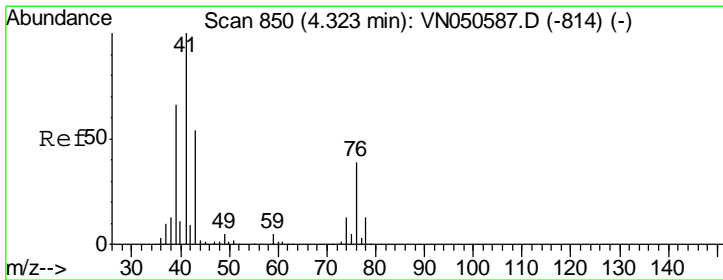
Manual Integrations
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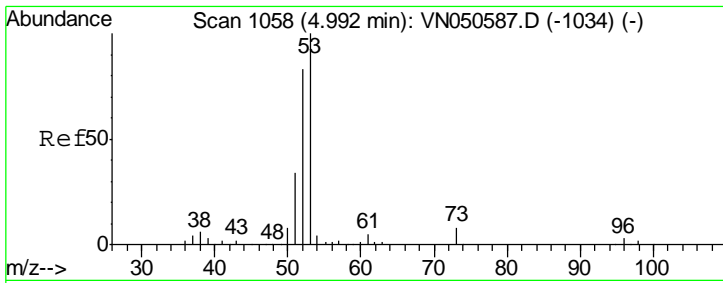
MMDadoda
 8/16/2018 1:18:21 PM



#14
 Allyl chloride
 Concen: 46.39 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
41	543541		
39	64.1	51.4	77.0
76	37.4	29.4	44.0





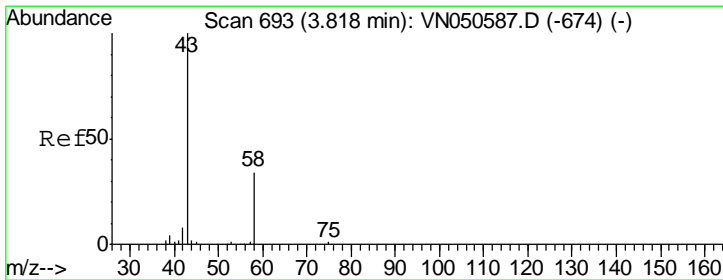
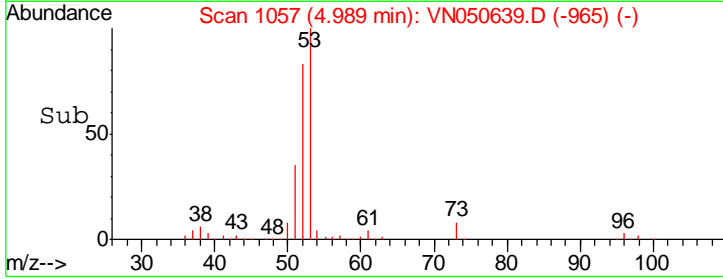
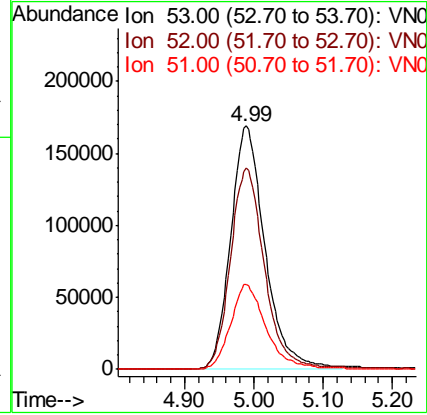
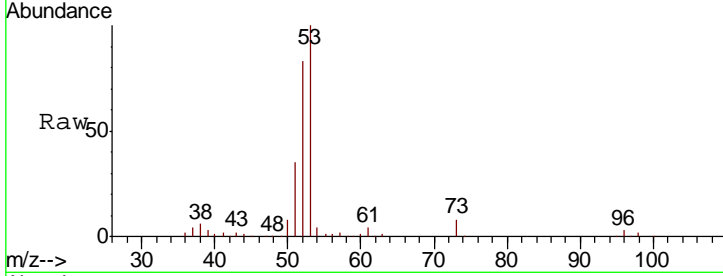
#15
 Acrylonitrile
 Concen: 222.78 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDC050

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.4	66.2	99.2
51	36.4	28.6	43.0

Manual Integrations
 APPROVED

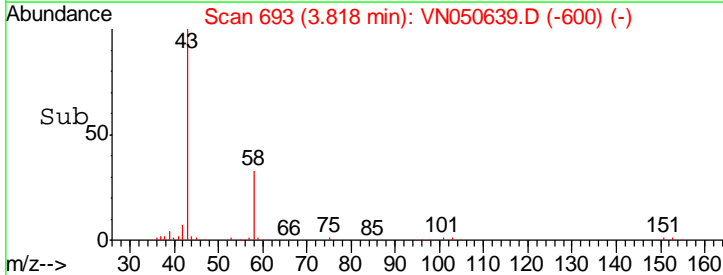
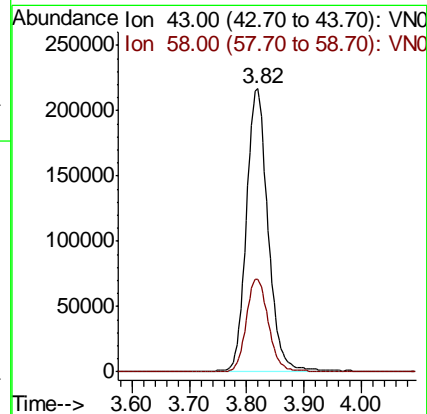
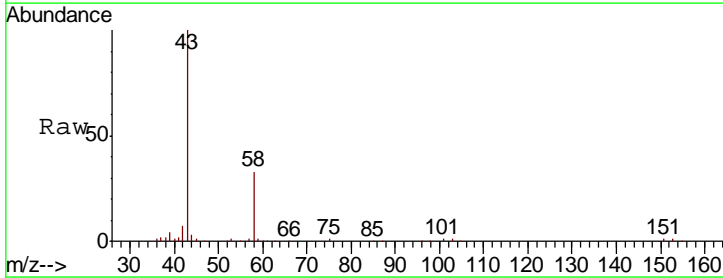
MMDadoda
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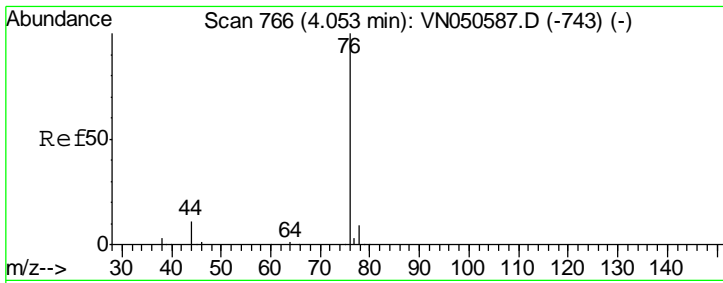


#16
 Acetone
 Concen: 260.24 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDC050

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.6	27.1	40.7





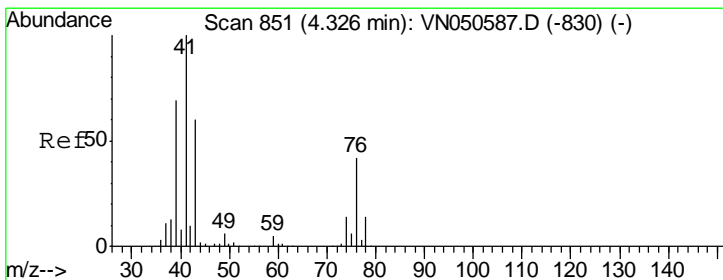
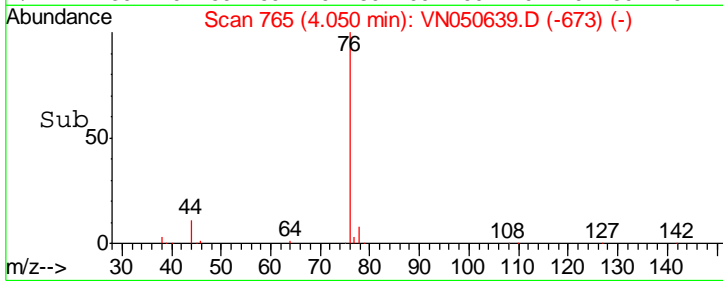
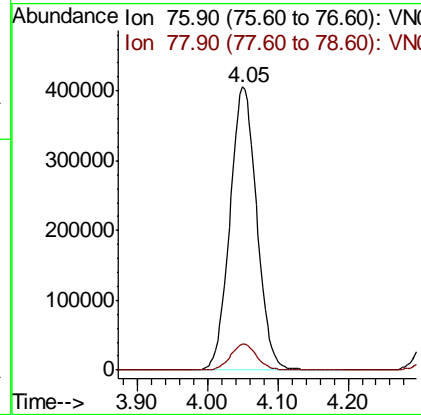
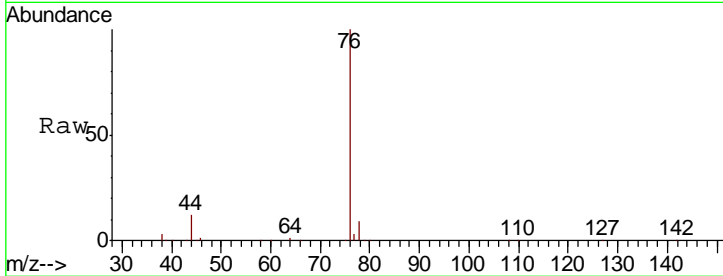
#17
 Carbon Disulfide
 Concen: 45.56 ug/l
 RT: 4.05 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 76 Resp: 1079967

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

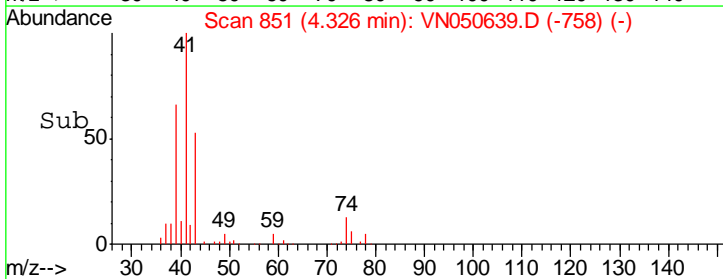
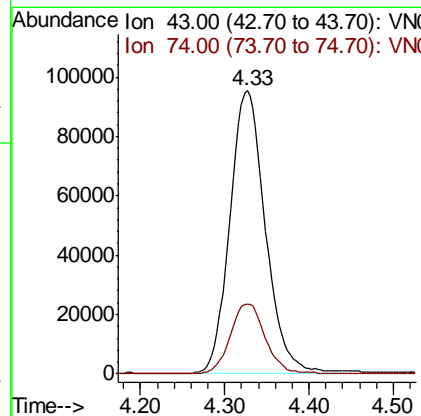
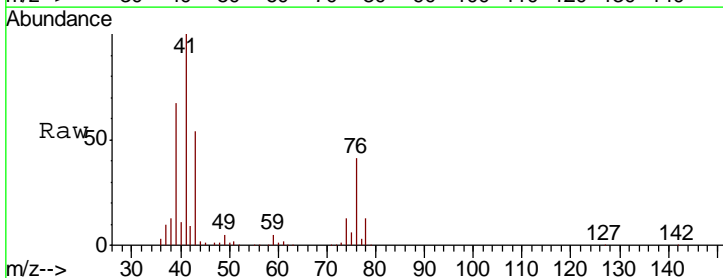
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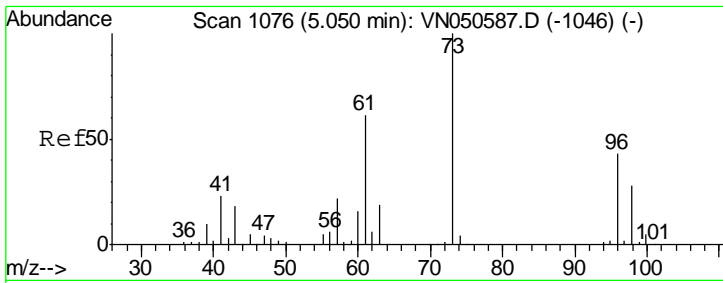


#18
 Methyl Acetate
 Concen: 44.99 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 43 Resp: 277117

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.7	29.5



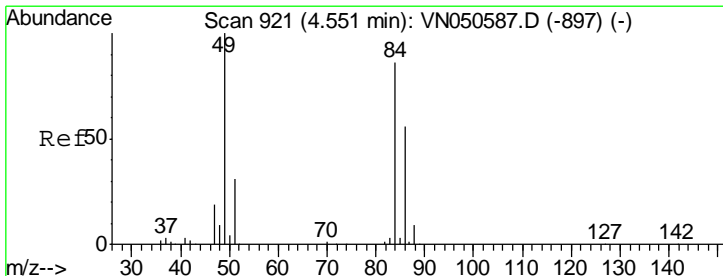
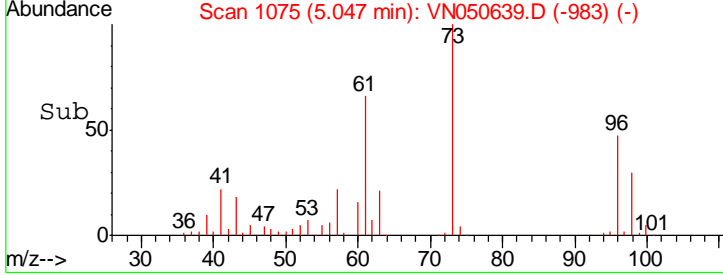
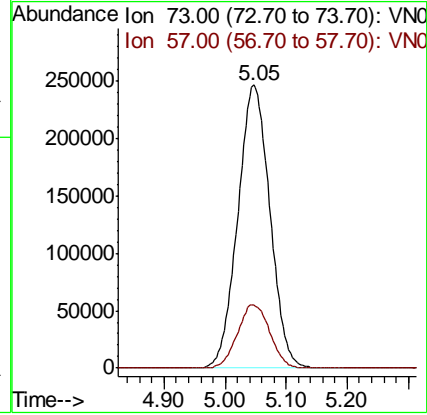
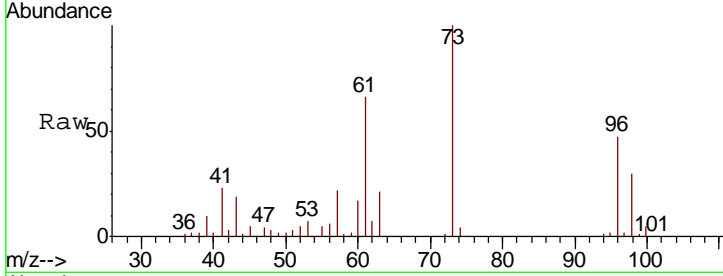


#19
 Methyl tert-butyl Ether
 Concen: 47.02 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

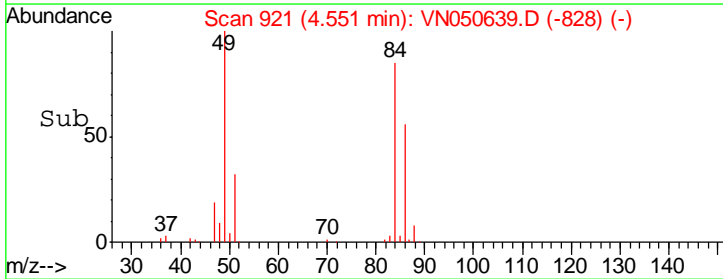
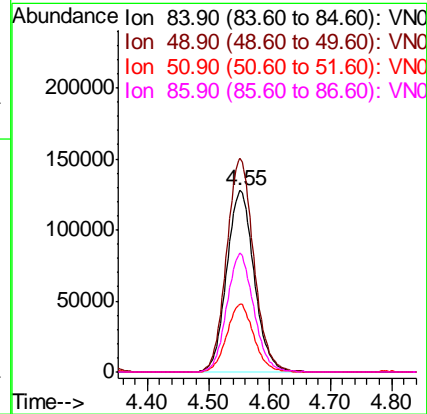
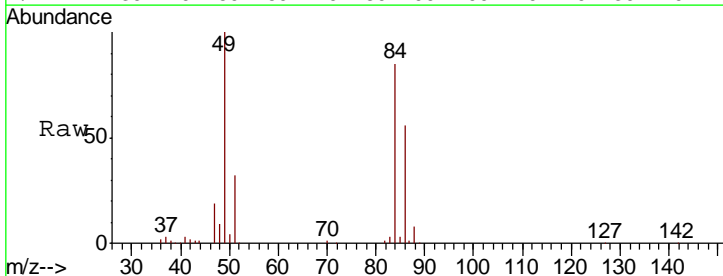
Tgt Ion	Resp	Lower	Upper
73	901391		
73	100		
57	22.2	17.9	26.9

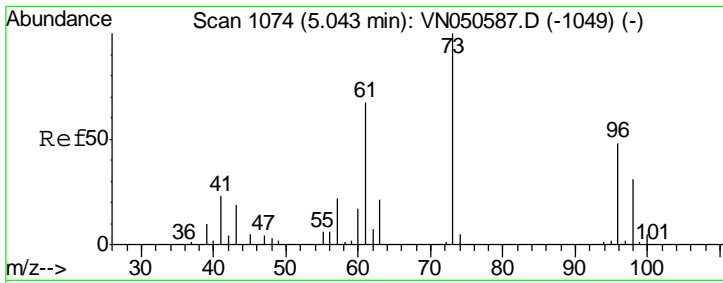
Manual Integrations
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#20
 Methylene Chloride
 Concen: 48.01 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

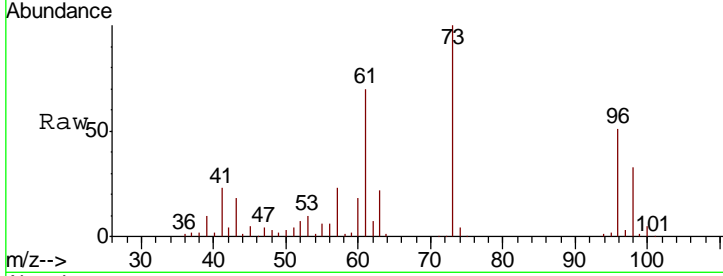
Tgt Ion	Resp	Lower	Upper
84	399729		
84	100		
49	117.9	92.6	138.8
51	37.7	28.6	43.0
86	65.6	52.2	78.2





#21
 trans-1,2-Dichloroethene
 Concen: 46.38 ug/l
 RT: 5.04 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

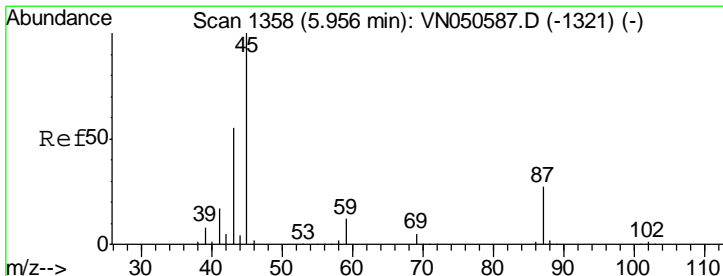
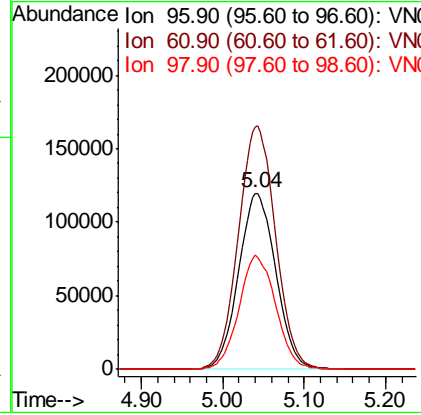
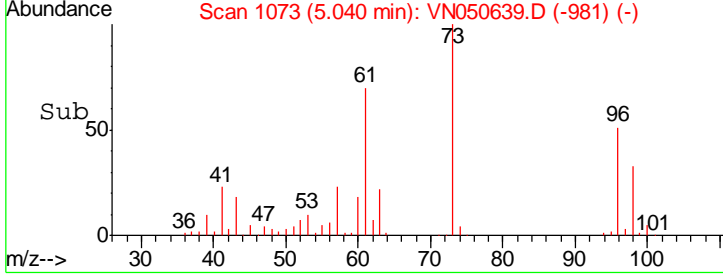
Instrument : MSVOA_N
 Client Sampled : VSTDC050



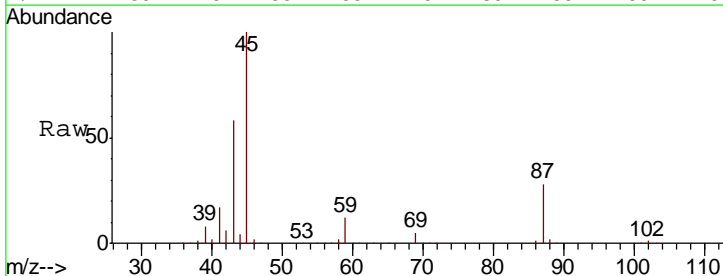
Tgt Ion: 96 Resp: 378812

Ion	Ratio	Lower	Upper
96	100		
61	137.6	111.2	166.8
98	64.6	51.6	77.4

Manual Integrations
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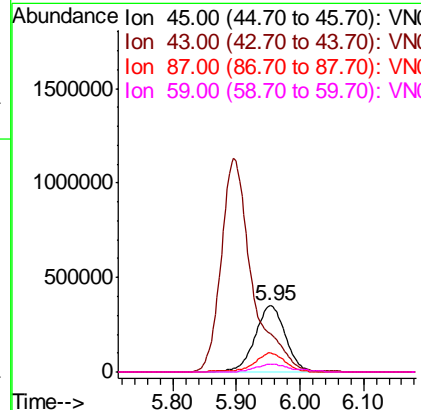
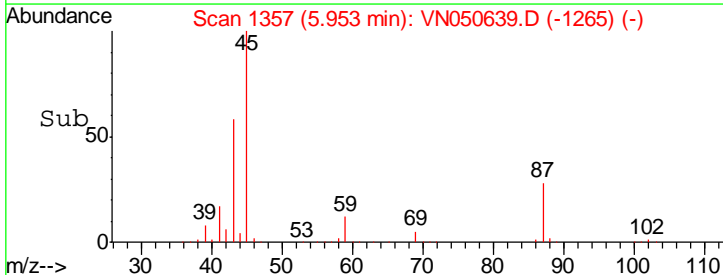


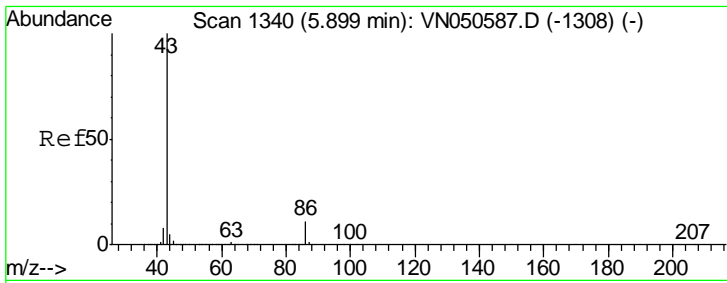
#22
 Diisopropyl ether
 Concen: 48.70 ug/l
 RT: 5.95 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26



Tgt Ion: 45 Resp: 1170058

Ion	Ratio	Lower	Upper
45	100		
43	57.2	44.5	66.7
87	28.3	22.2	33.2
59	11.9	9.5	14.3





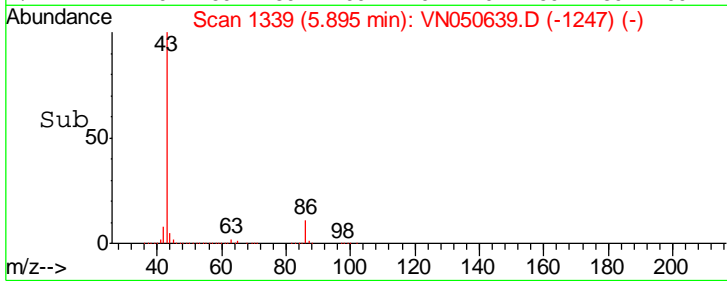
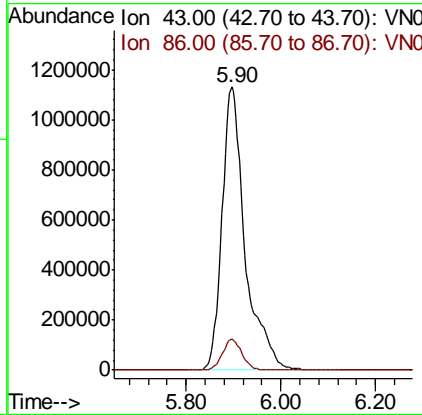
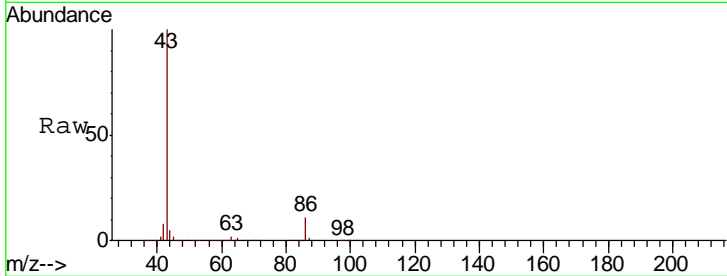
#23
 Vinyl Acetate
 Concen: 243.15 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 3821187

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.4	12.6

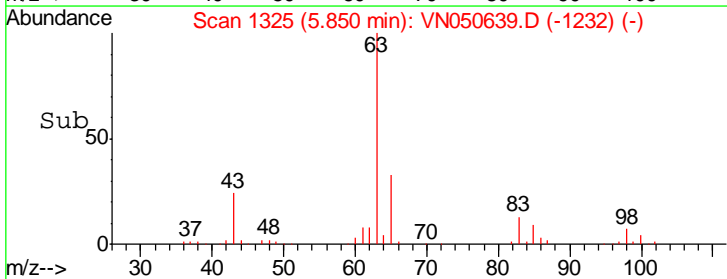
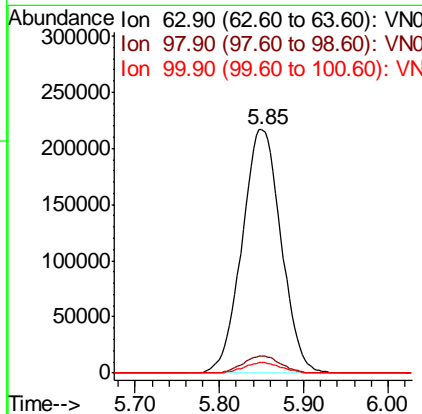
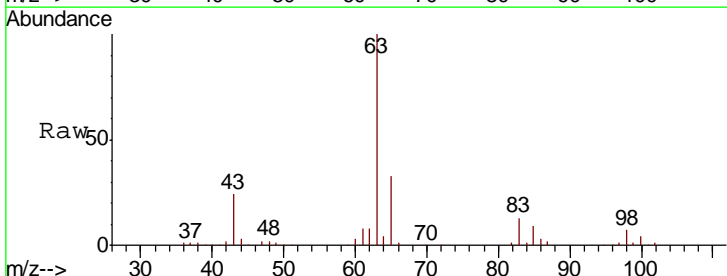
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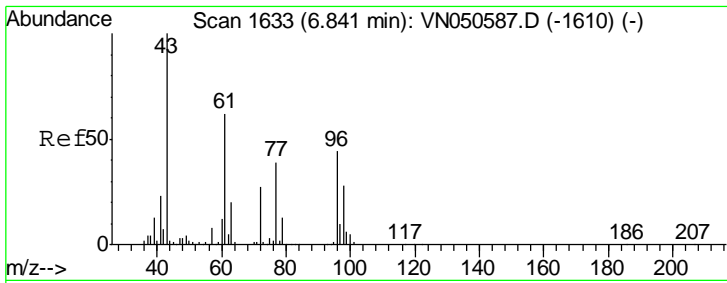


#24
 1,1-Dichloroethane
 Concen: 44.91 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 63 Resp: 698134

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.2	9.6
100	4.2	2.1	6.5



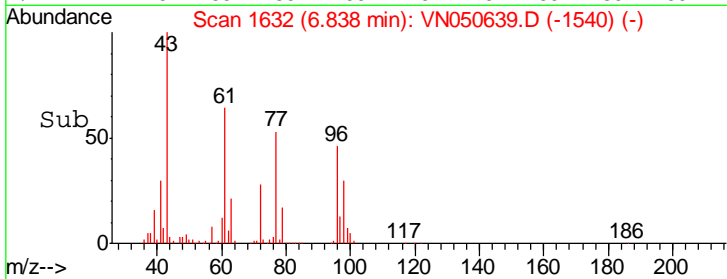
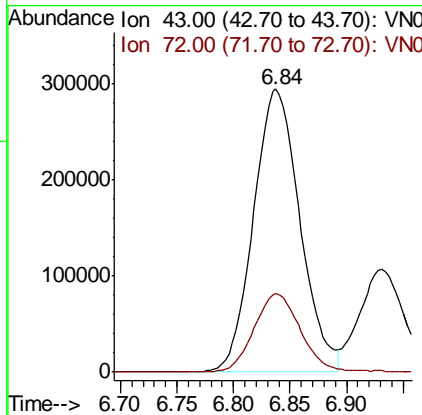
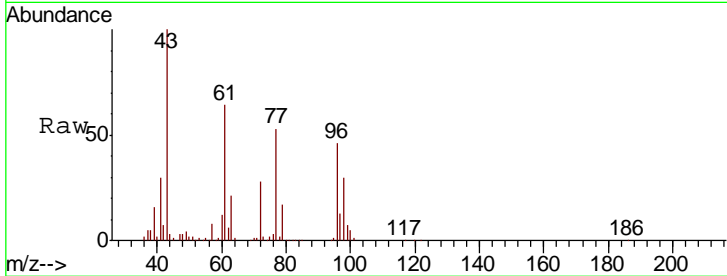


#25
 2-Butanone
 Concen: 233.68 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

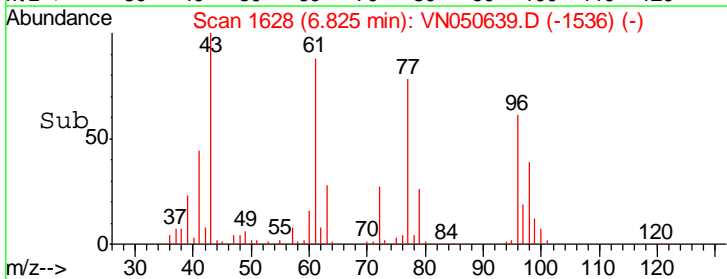
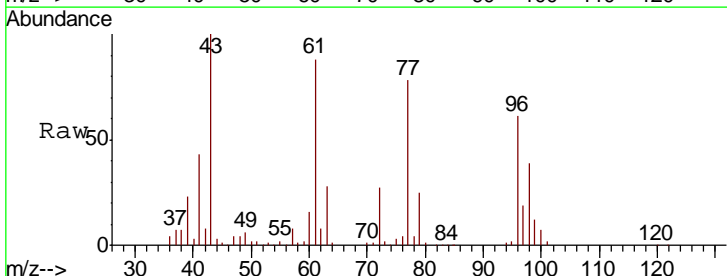
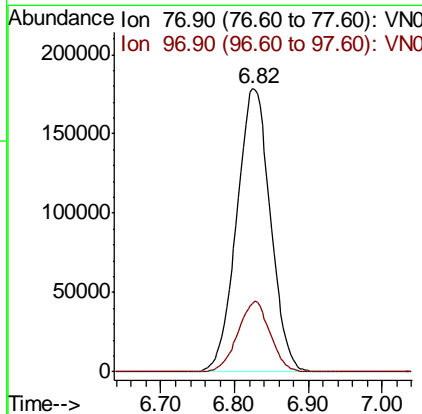
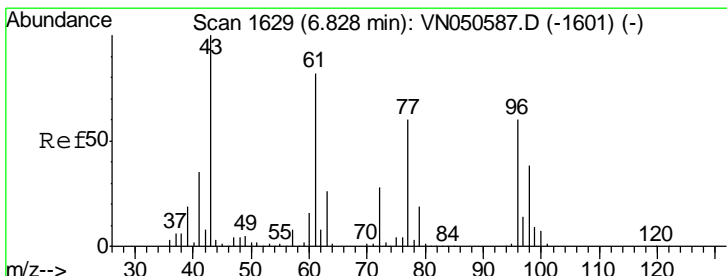
Tgt Ion: 43 Resp: 838450
 Ion Ratio Lower Upper
 43 100
 72 27.7 21.8 32.6

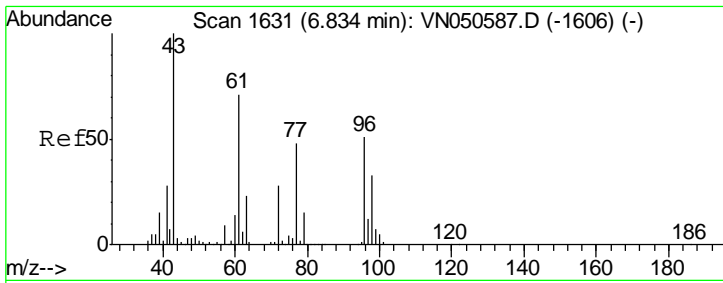
Manual Integrations
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#26
 2,2-Dichloropropane
 Concen: 54.58 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 77 Resp: 567883
 Ion Ratio Lower Upper
 77 100
 97 23.9 12.2 36.4



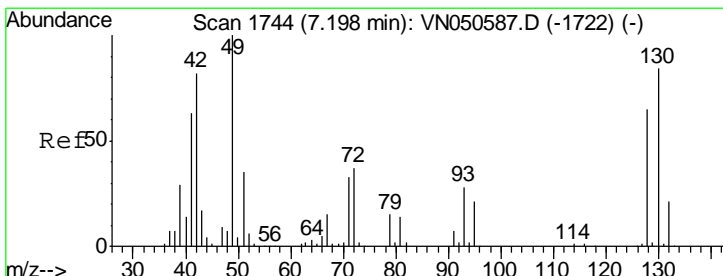
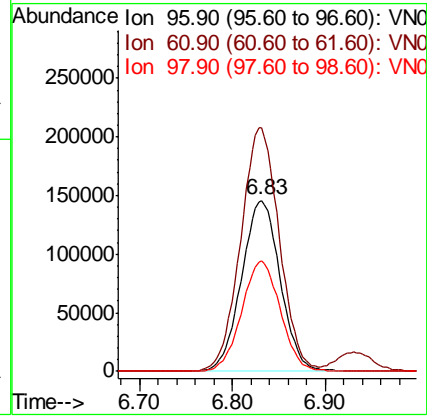
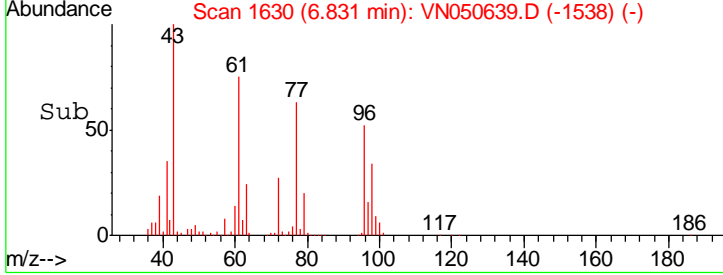
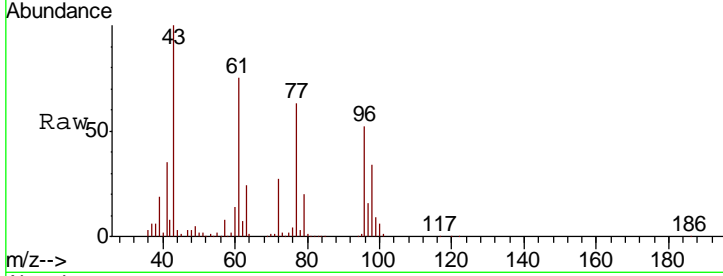


#27
 cis-1,2-Dichloroethene
 Concen: 46.28 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

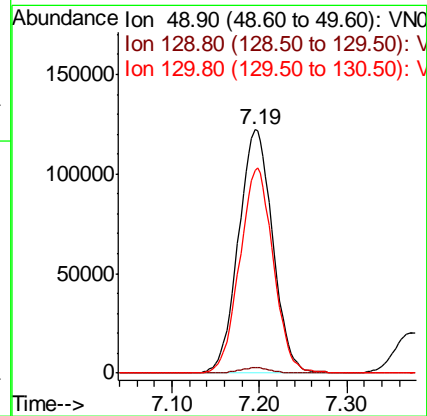
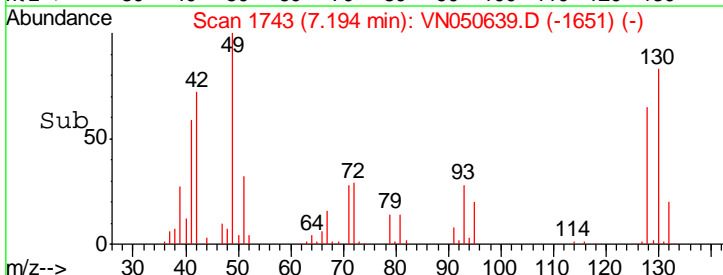
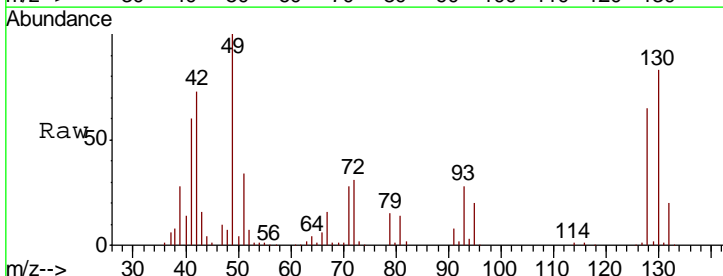
Tgt Ion	Resp	Lower	Upper
96	420900		
96	100		
61	142.8	0.0	278.2
98	64.6	0.0	128.8

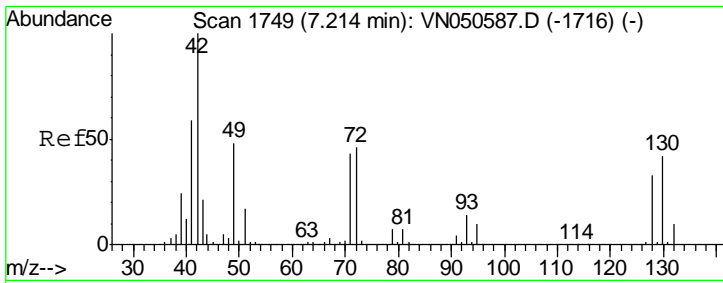
Manual Integrations
APPROVED
 MMDadoda
 8/16/2018 1:18:21 PM



#28
 Bromochloromethane
 Concen: 46.93 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
49	331998		
49	100		
129	2.1	0.0	4.2
130	82.8	66.8	100.2





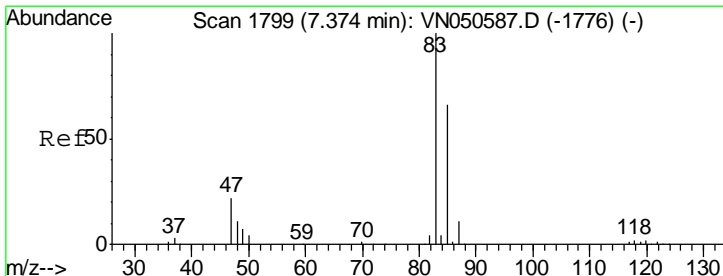
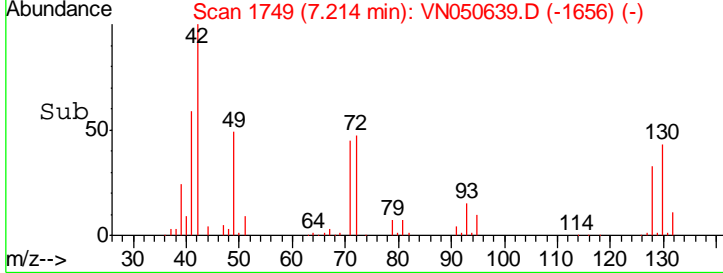
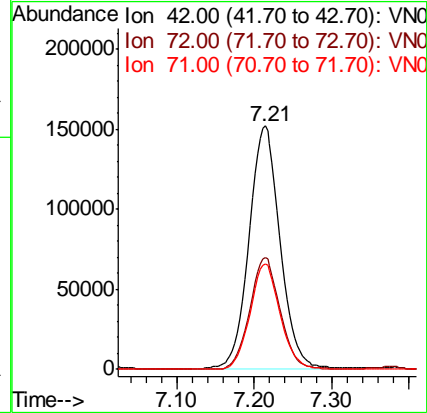
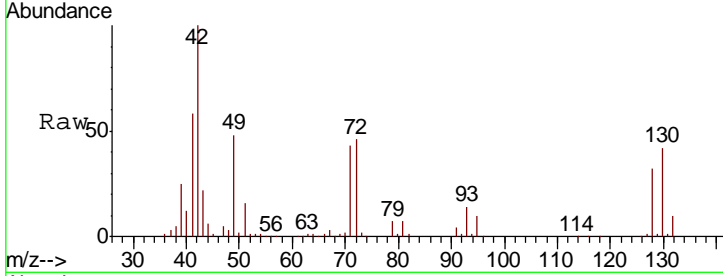
#29
 Tetrahydrofuran
 Concen: 228.89 ug/l
 RT: 7.21 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 42 Resp: 428816

Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.8	53.6
71	41.9	33.4	50.0

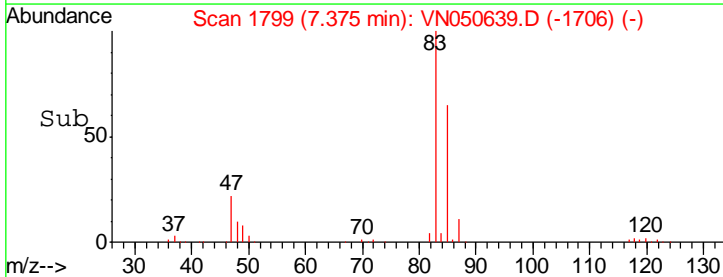
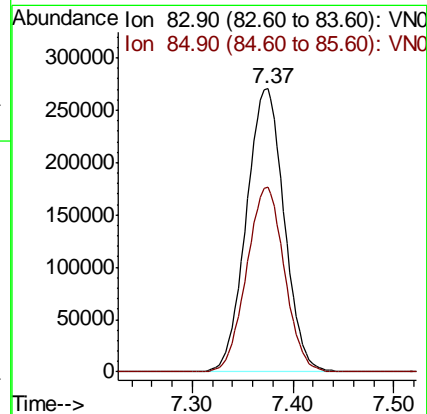
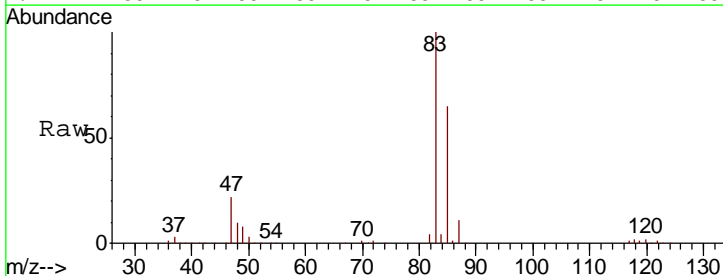
Manual Integrations
APPROVED
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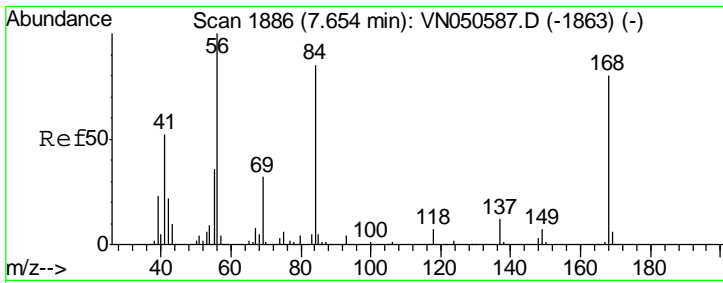


#30
 Chloroform
 Concen: 44.53 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 83 Resp: 701440

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.5	78.7





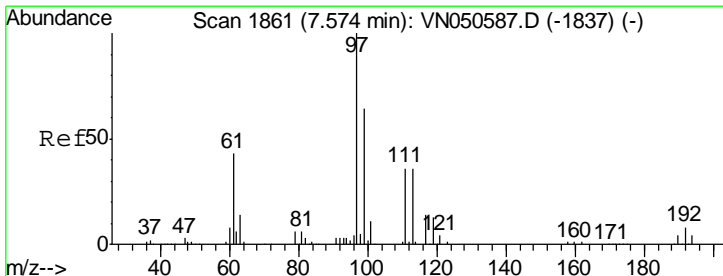
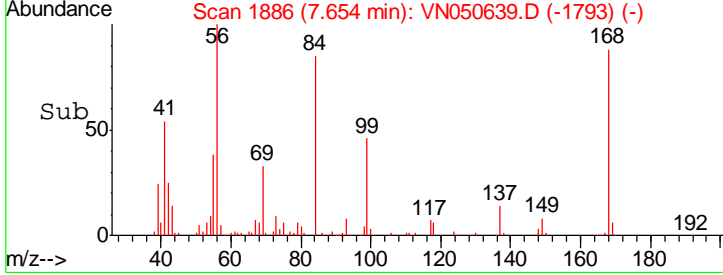
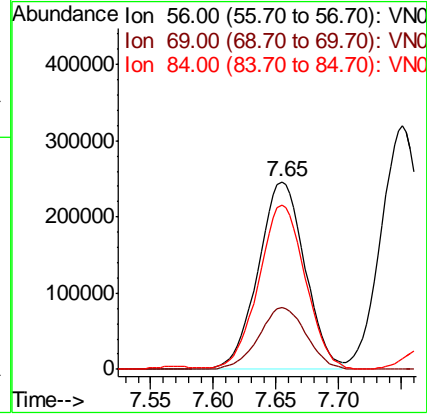
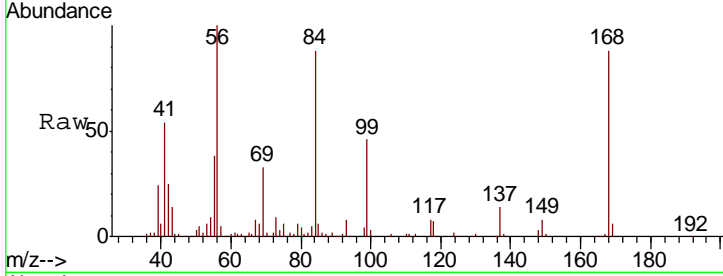
#31
 Cyclohexane
 Concen: 48.03 ug/l
 RT: 7.65 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
56	100		
69	32.7	25.8	38.6
84	86.5	67.8	101.6

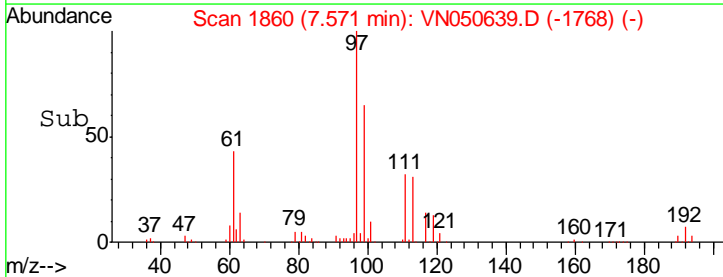
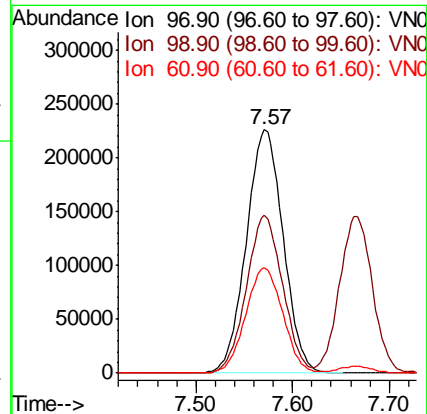
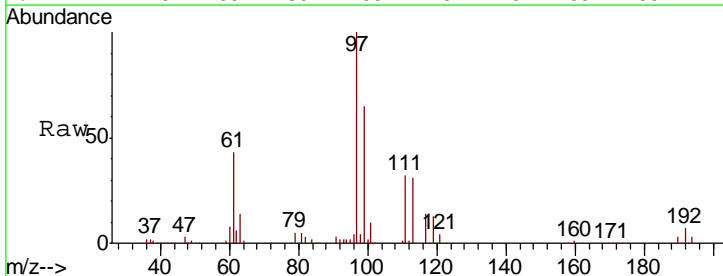
Manual Integrations
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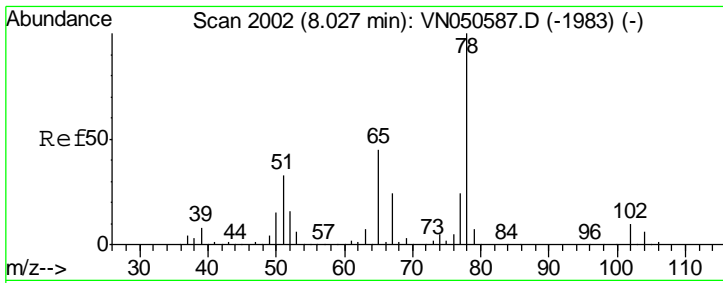
MMDadoda
 8/16/2018 1:18:21 PM



#32
 1,1,1-Trichloroethane
 Concen: 45.22 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.7	51.1	76.7
61	43.6	34.8	52.2



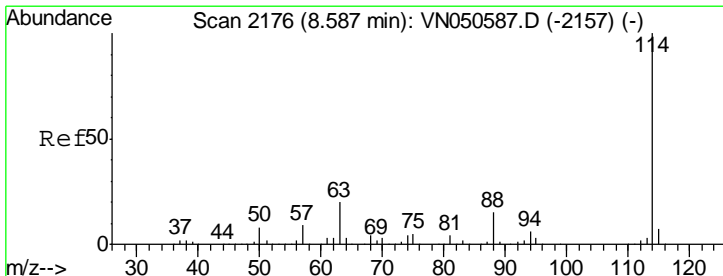
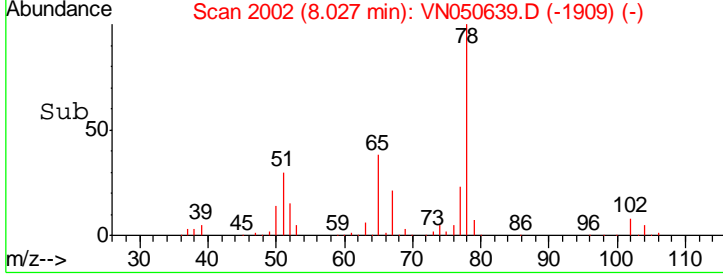
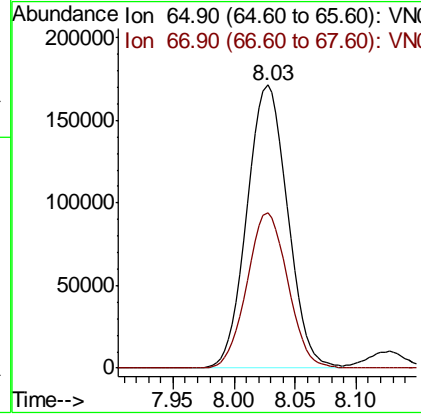
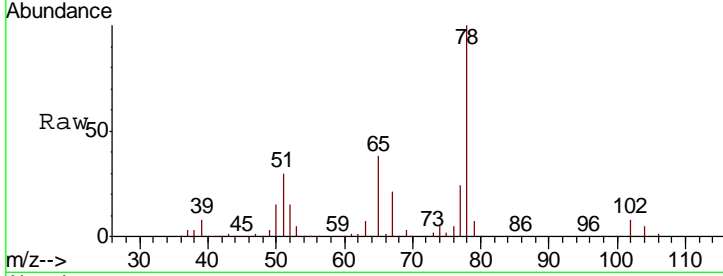


#33
 1,2-Dichloroethane-d4
 Concen: 45.19 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

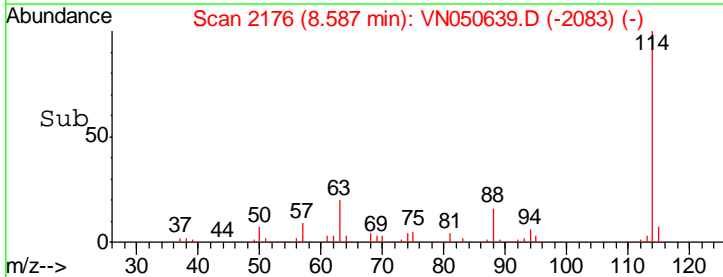
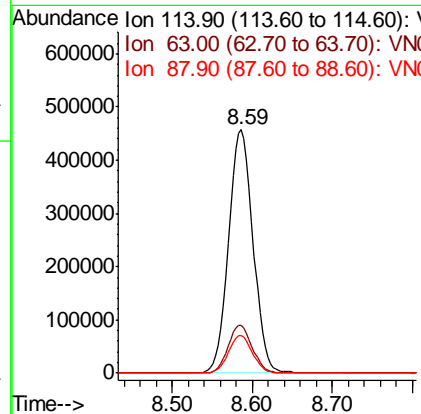
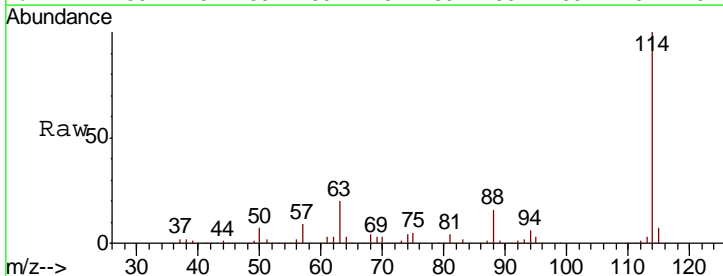
Tgt Ion	Resp	Lower	Upper
65	100		
67	55.1	0.0	109.8

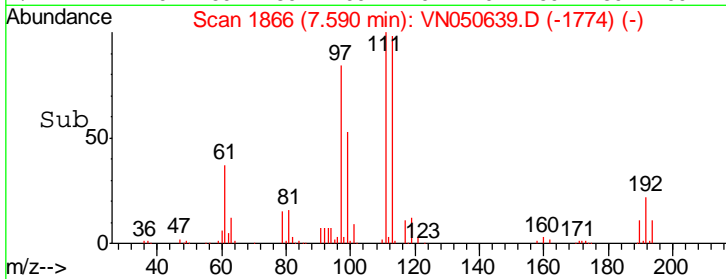
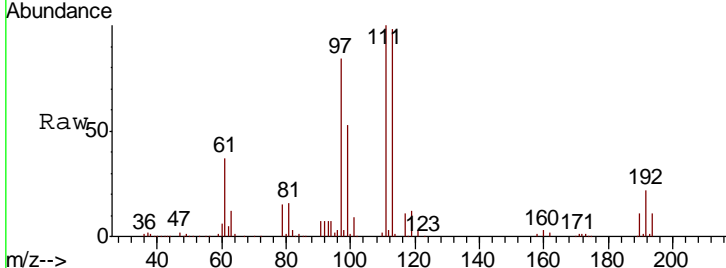
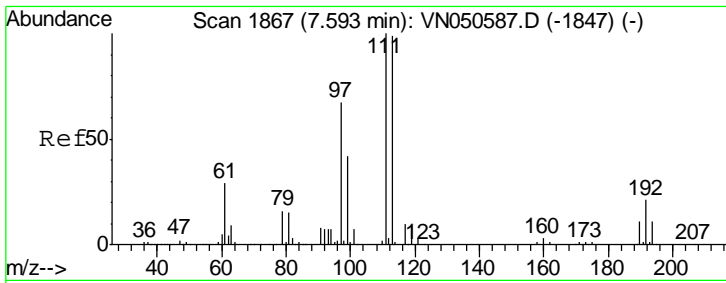
Manual Integrations
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 8/16/2018 1:18:21 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	15.5	0.0	30.8



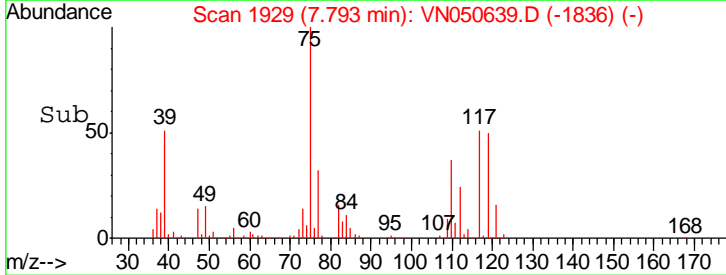
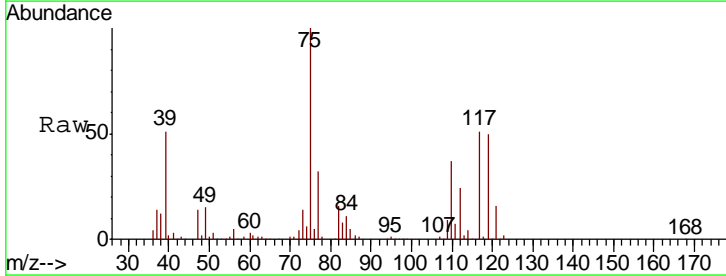
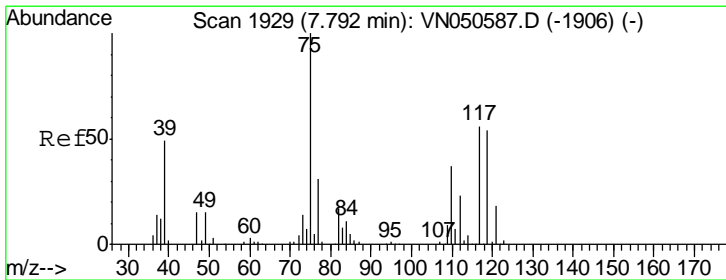
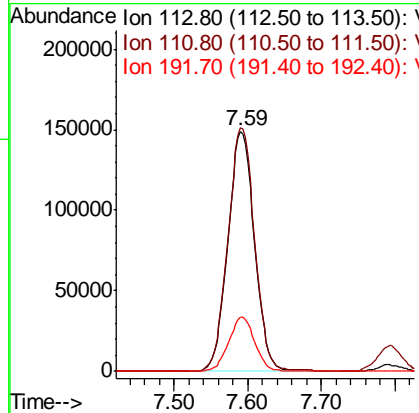


#35
 Dibromofluoromethane
 Concen: 48.80 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.2	81.0	121.6
192	22.1	17.6	26.4

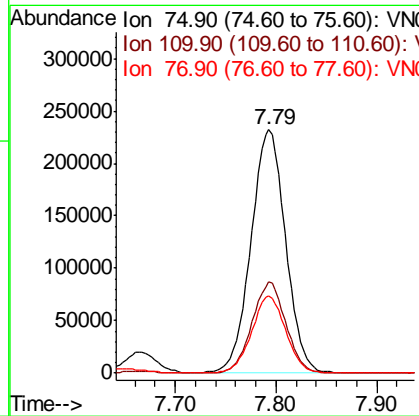
Instrument : MSVOA_N
 ClientSampled : VSTDC050

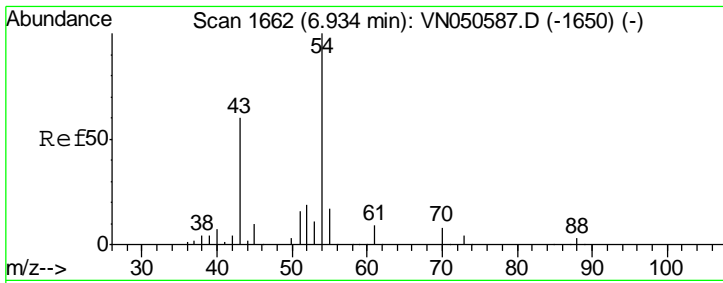
Manual Integrations APPROVED
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 8/16/2018 1:18:21 PM



#36
 1,1-Dichloropropene
 Concen: 51.46 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
75	100		
110	36.7	18.3	54.9
77	31.3	25.0	37.4



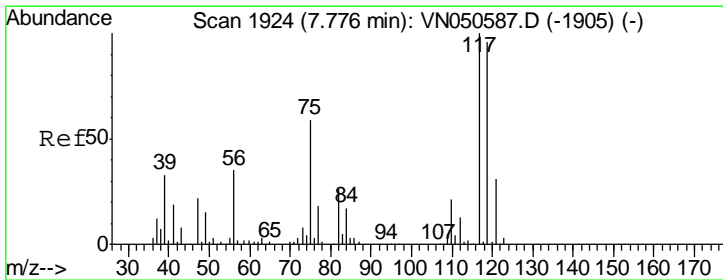
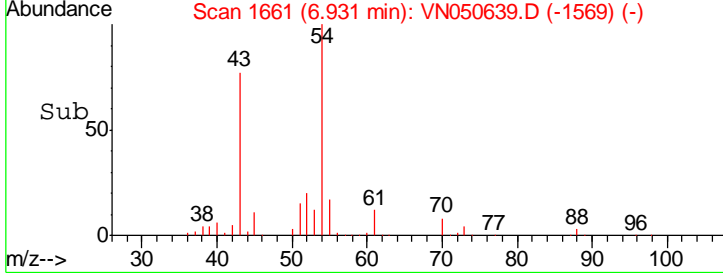
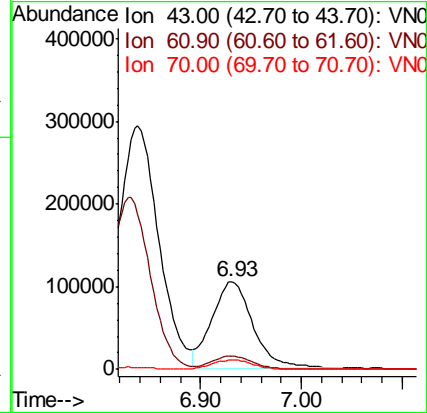
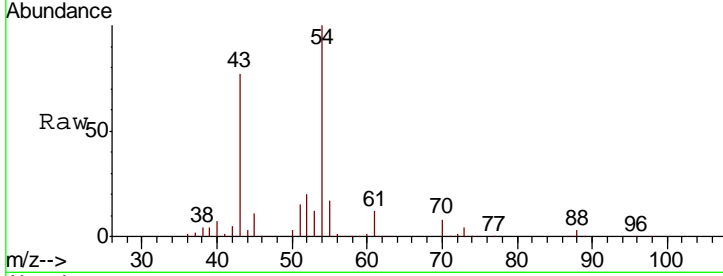


#37
Ethyl Acetate
Concen: 49.73 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
ClientSampled : VSTDCCC050

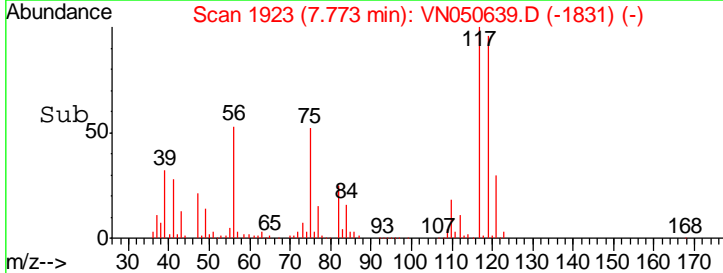
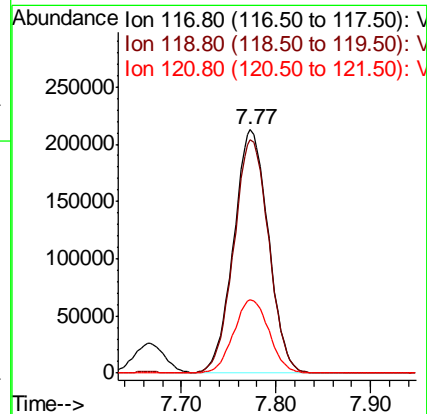
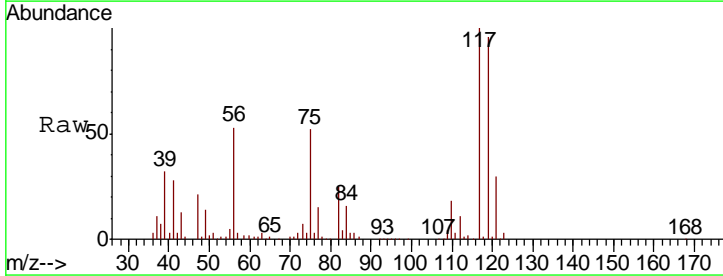
Tgt Ion	Resp	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	10.7	8.5	12.7

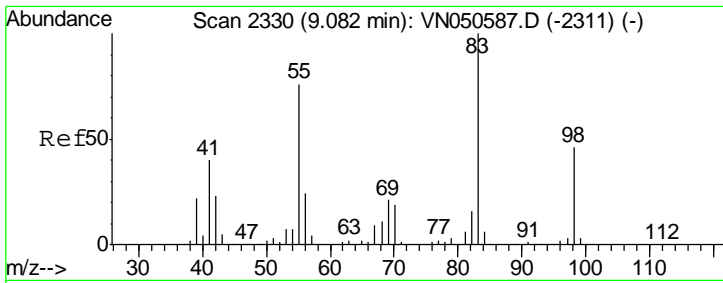
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 48.87 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
117	100		
119	95.9	76.6	115.0
121	30.1	25.0	37.6





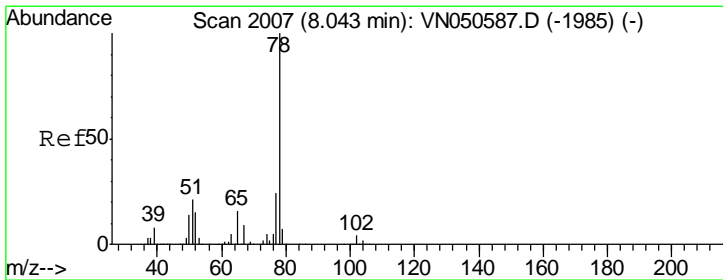
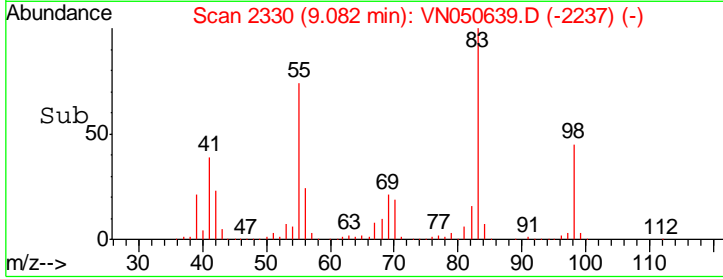
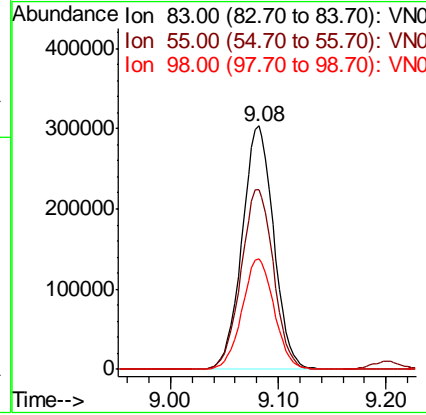
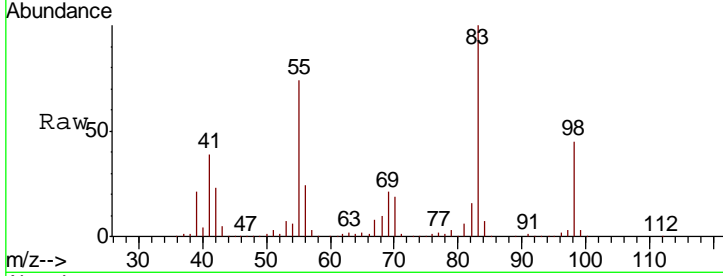
#39
 Methylcyclohexane
 Concen: 56.02 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	100		
55	74.0	60.6	91.0
98	45.4	37.0	55.4

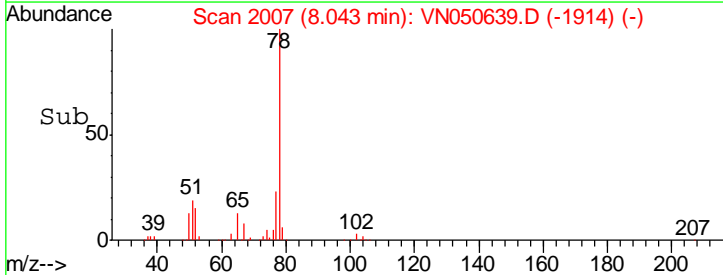
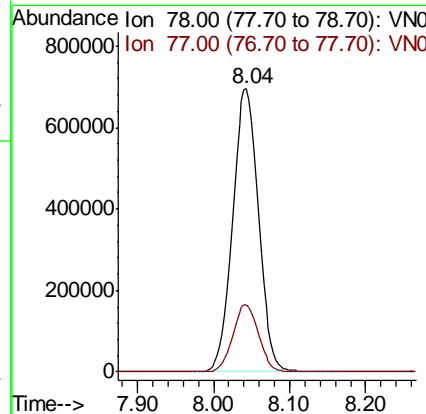
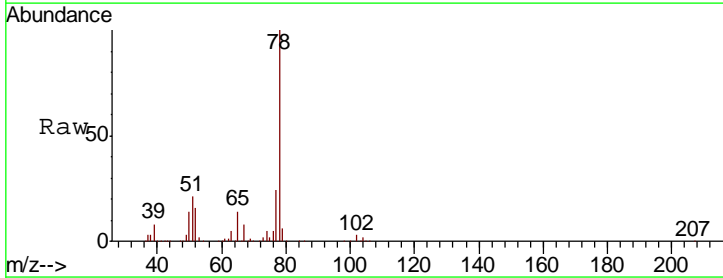
Manual Integrations
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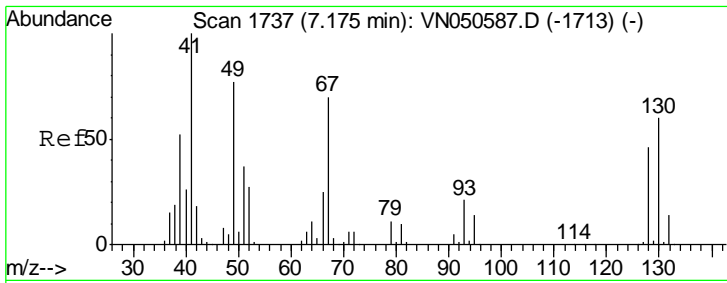
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 8/16/2018 1:18:21 PM



#40
 Benzene
 Concen: 50.65 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
78	100		
77	23.6	19.0	28.6





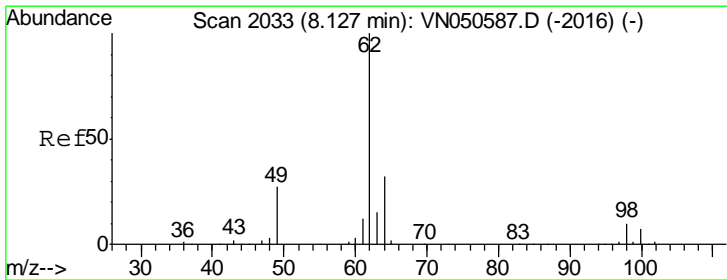
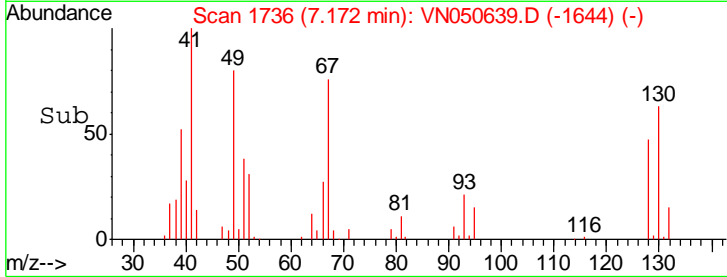
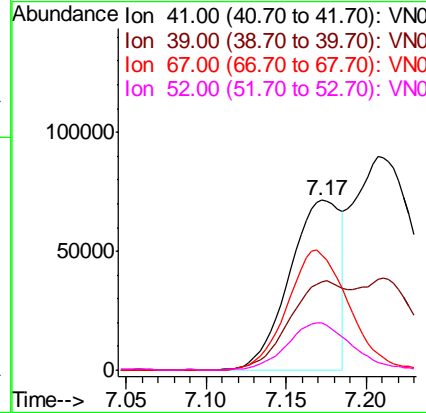
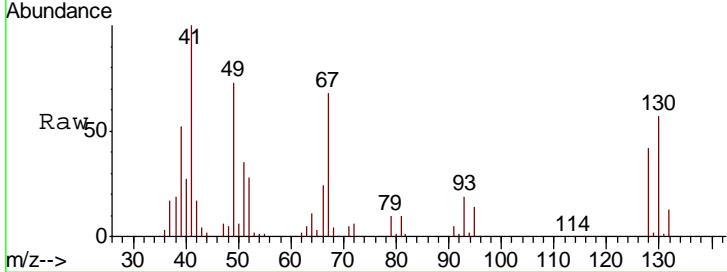
#41
 Methacrylonitrile
 Concen: 49.28 ug/l
 RT: 7.17 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 41 Resp: 160610

Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	66.8
67	84.5	66.7	100.1
52	34.4	26.5	39.7

Instrument : MSVOA_N
 ClientSampled : VN050639.D
 VSTDCCC050

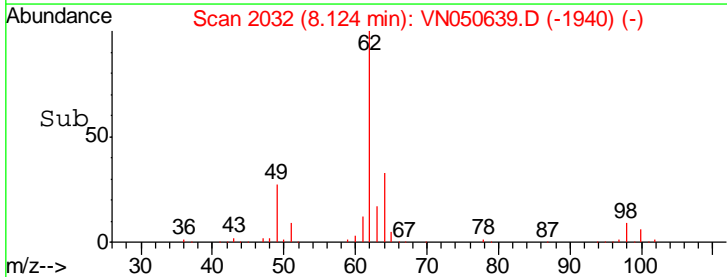
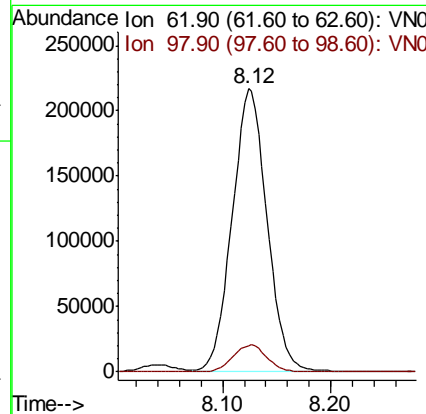
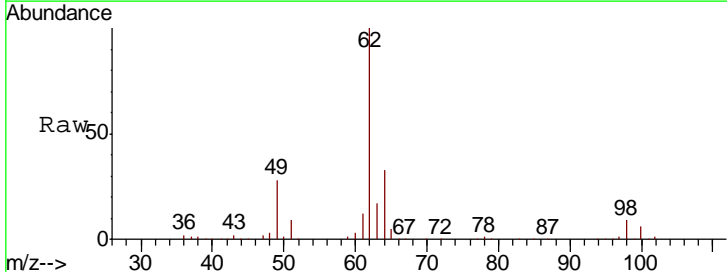
Manual Integrations
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 MMDadoda
 8/16/2018 1:18:21 PM

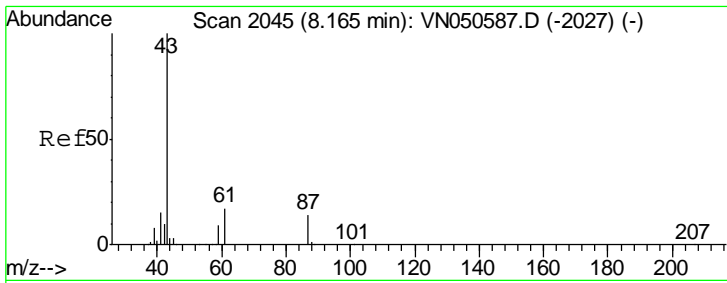


#42
 1,2-Dichloroethane
 Concen: 48.84 ug/l
 RT: 8.12 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 62 Resp: 485722

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4



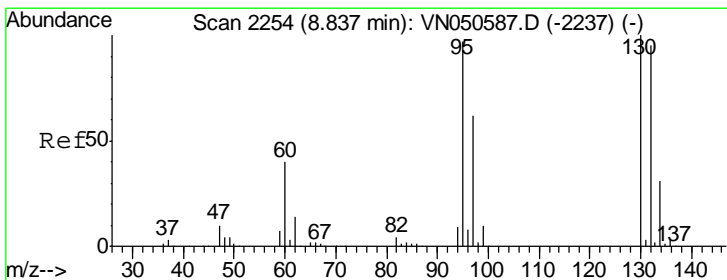
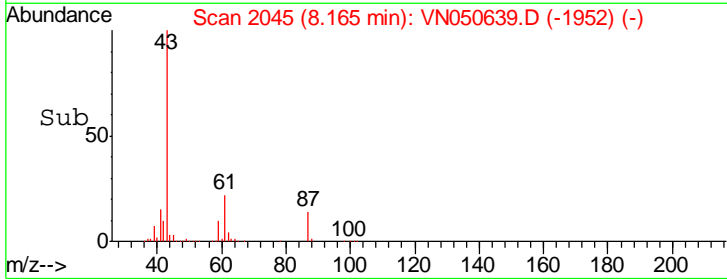
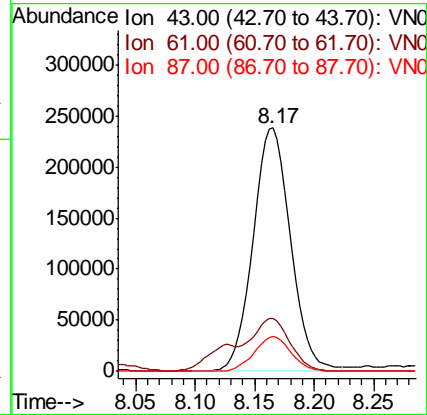
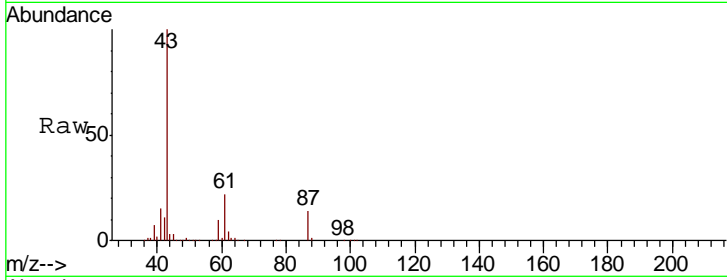


#43
 Isopropyl Acetate
 Concen: 47.31 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDC050

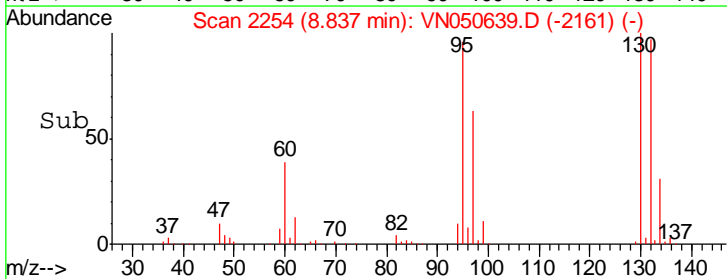
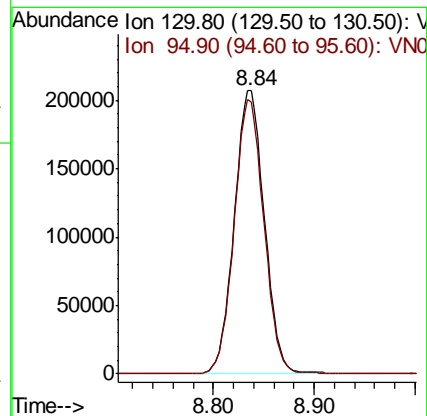
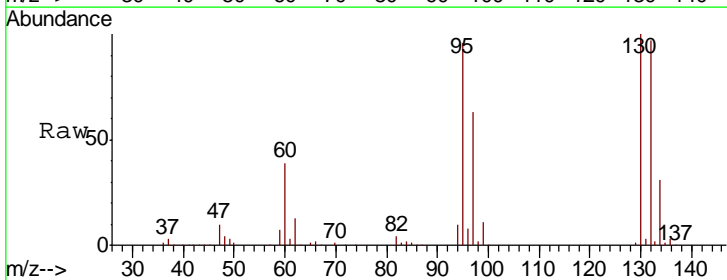
Tgt Ion	Resp	Lower	Upper
43	519814		
61	21.3	16.2	24.2
87	14.0	10.9	16.3

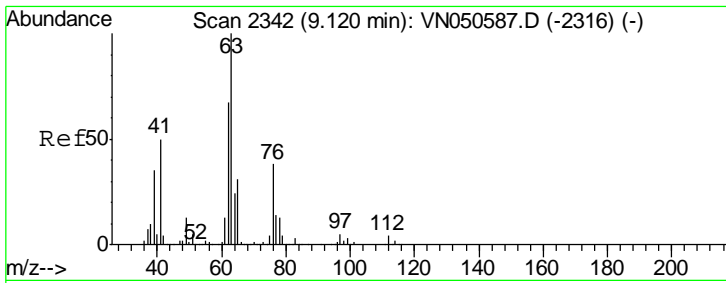
Manual Integrations
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 MMDadoda
 8/16/2018 1:18:21 PM



#44
 Trichloroethene
 Concen: 49.37 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
130	429118		
95	96.1	0.0	193.8





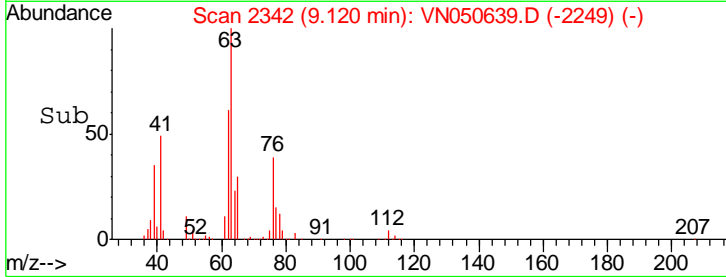
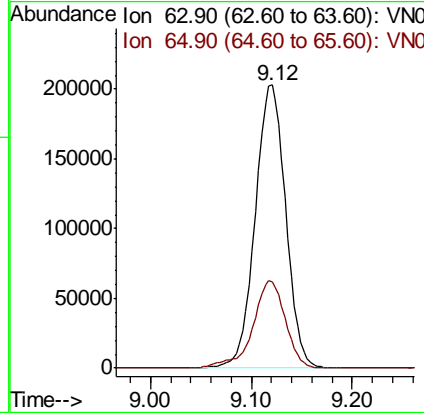
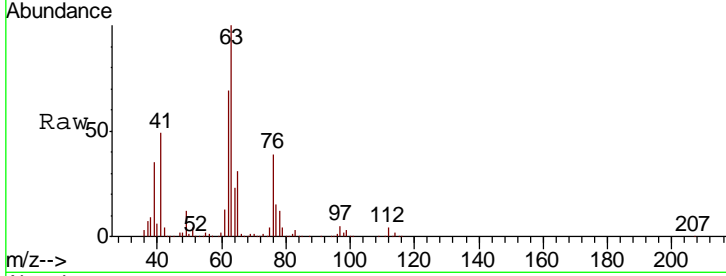
#45
 1,2-Dichloropropane
 Concen: 49.27 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
63	100		
65	30.5	24.5	36.7

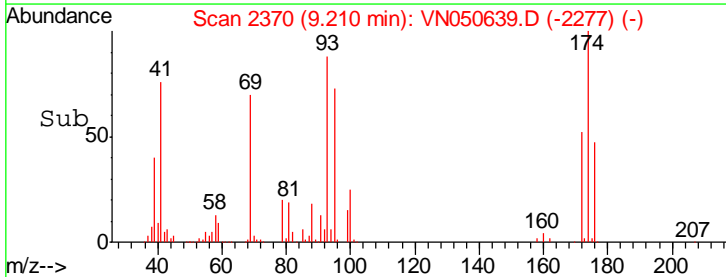
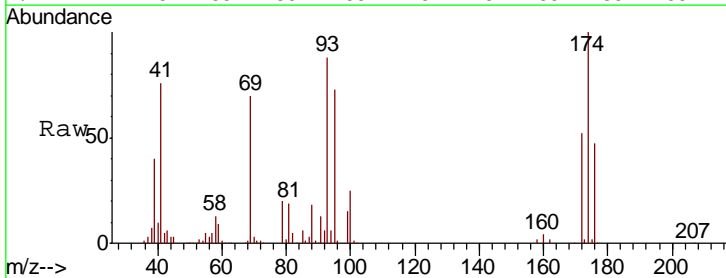
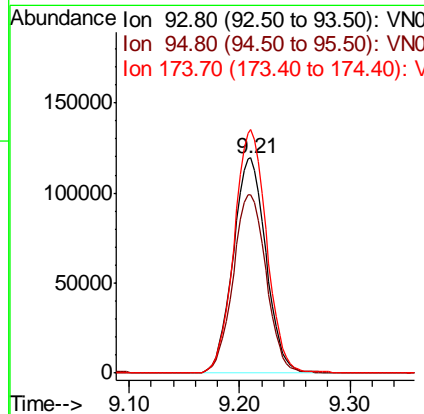
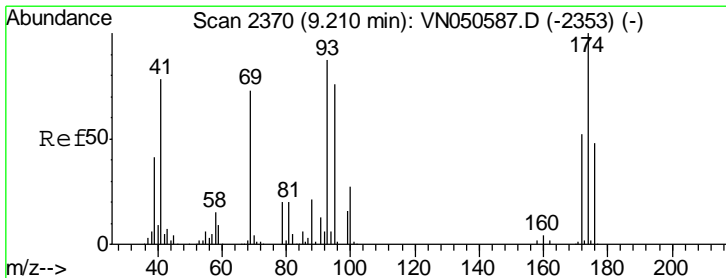
Manual Integrations
 APPROVED

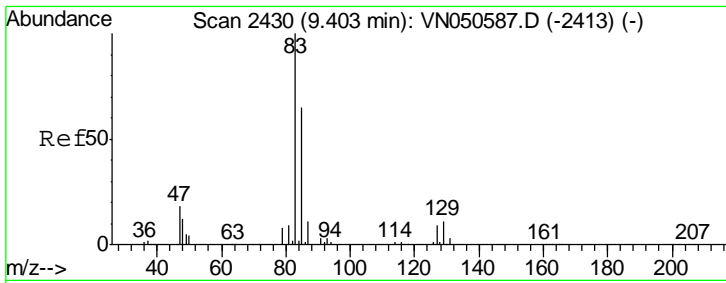
MMDadoda
 8/16/2018 1:18:21 PM



#46
 Dibromomethane
 Concen: 48.36 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
93	100		
95	83.5	69.1	103.7
174	112.3	91.0	136.6





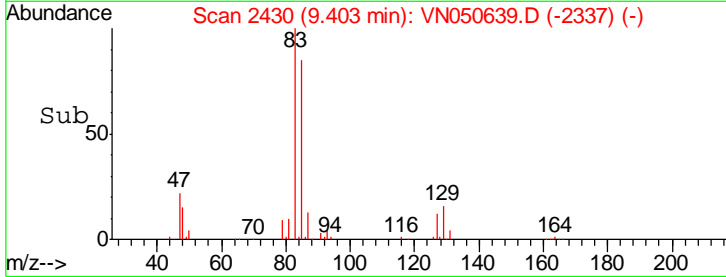
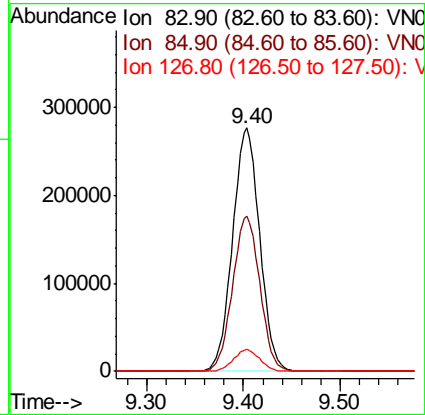
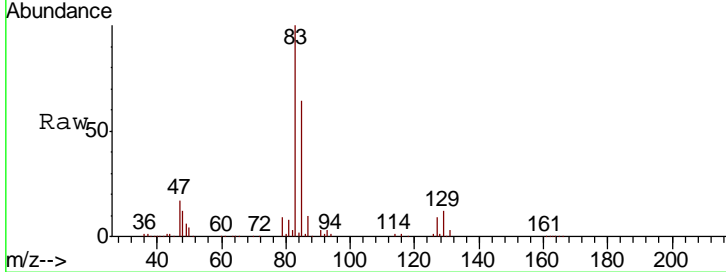
#47
 Bromodichloromethane
 Concen: 49.40 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.9	51.8	77.6
127	8.9	7.2	10.8

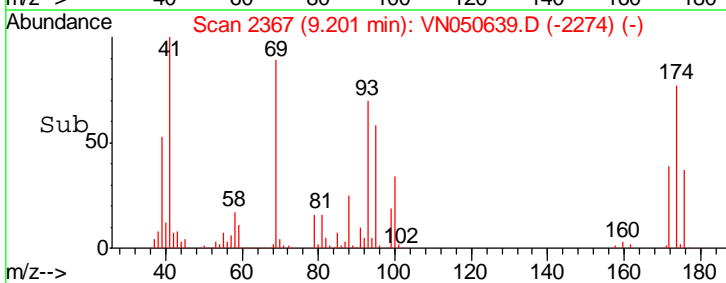
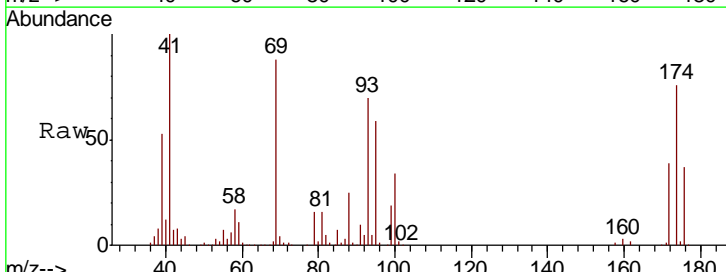
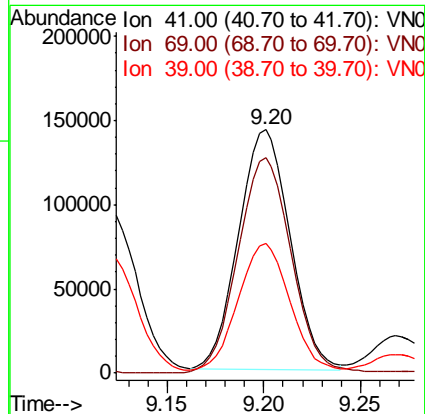
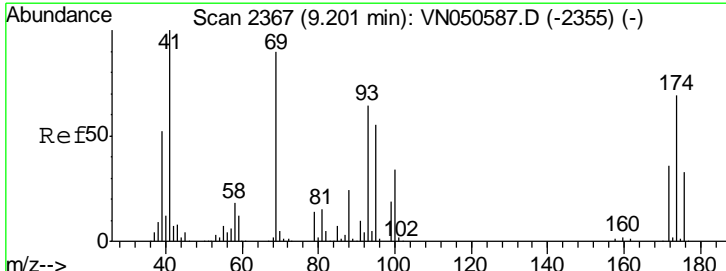
Manual Integrations
 APPROVED

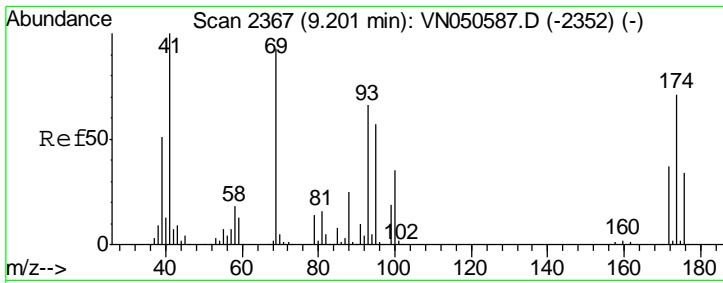
MMDadoda
 8/16/2018 1:18:21 PM



#48
 Methyl methacrylate
 Concen: 47.64 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
41	100		
69	94.1	73.4	110.0
39	55.0	43.0	64.6



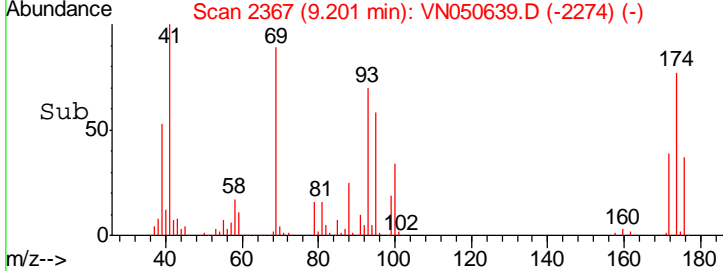
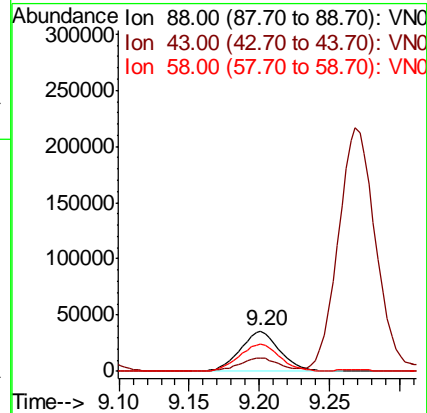
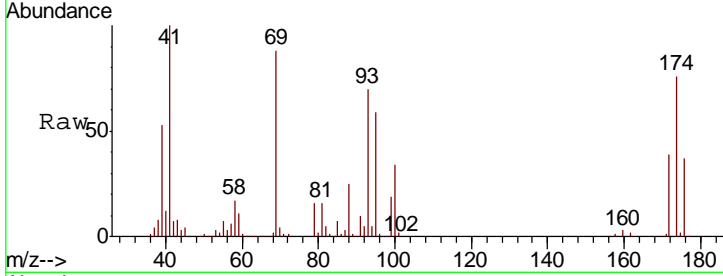


#49
 1,4-Dioxane
 Concen: 967.64 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampleId : VSTDCCC050

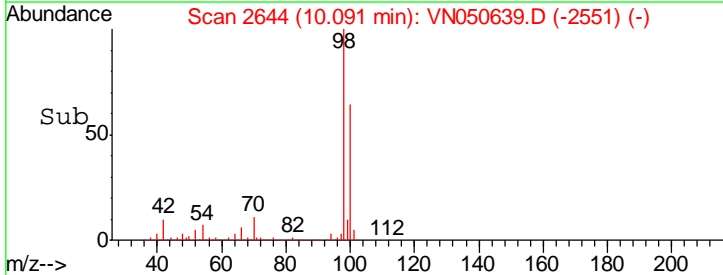
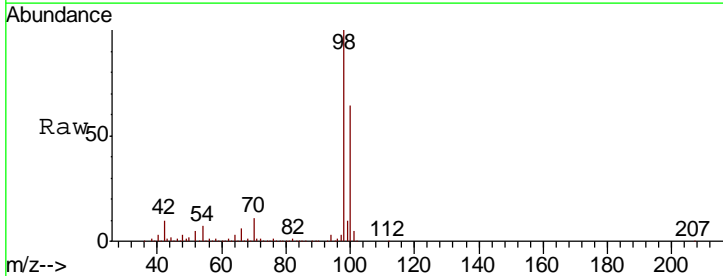
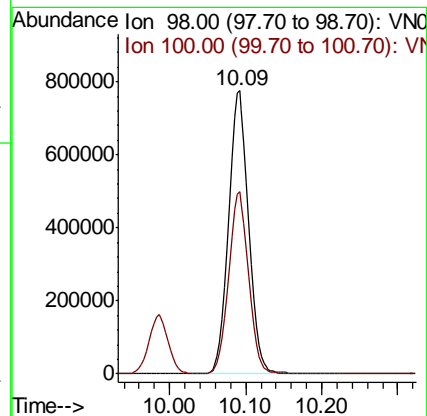
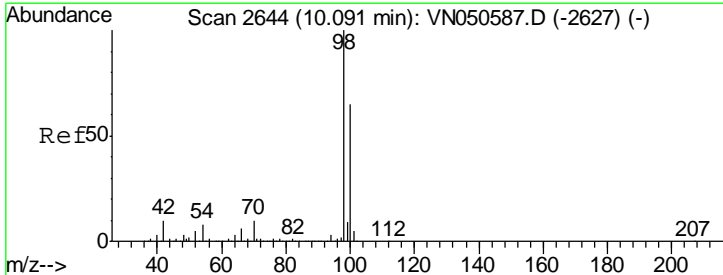
Tgt Ion	Resp	Lower	Upper
88	70472		
88	100		
43	31.8	25.9	38.9
58	69.1	56.5	84.7

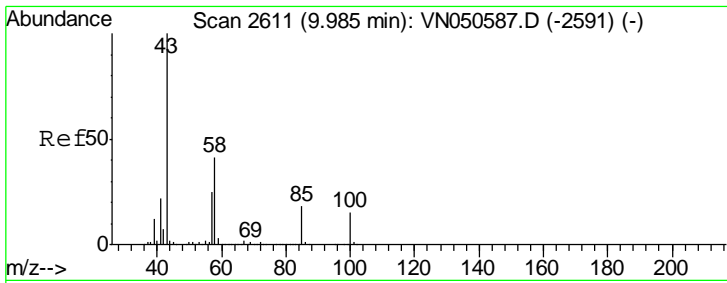
Manual Integrations
APPROVED
 MMDadoda
 8/16/2018 1:18:21 PM



#50
 Toluene-d8
 Concen: 49.49 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
98	1424657		
98	100		
100	64.2	51.8	77.8





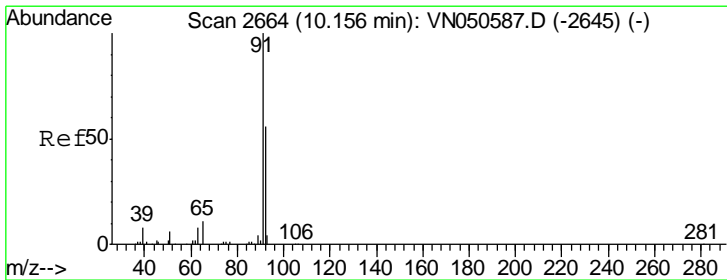
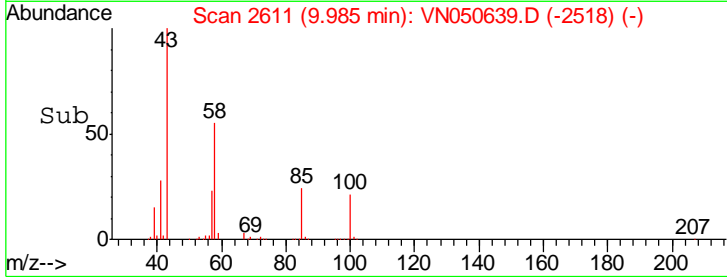
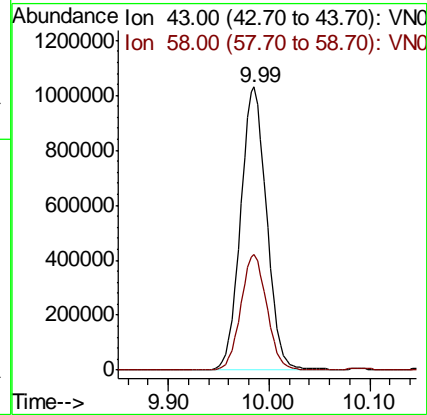
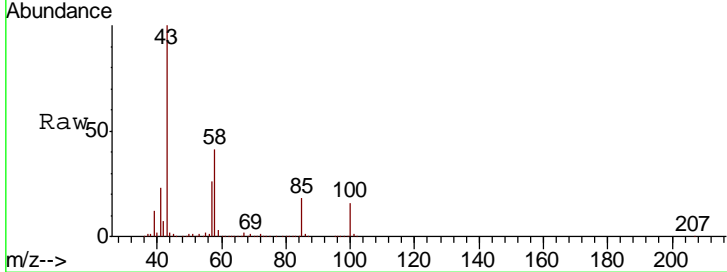
#51
 4-Methyl-2-Pentanone
 Concen: 248.12 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion: 43 Resp: 1843658

Ion	Ratio	Lower	Upper
43	100		
58	40.8	32.5	48.7

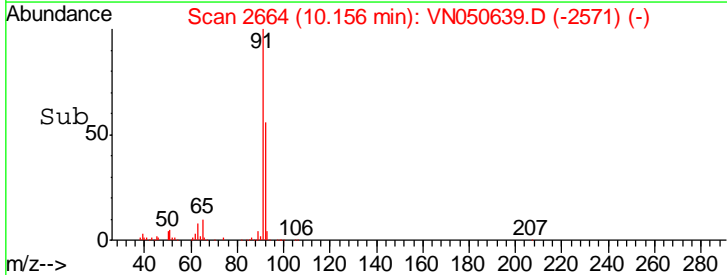
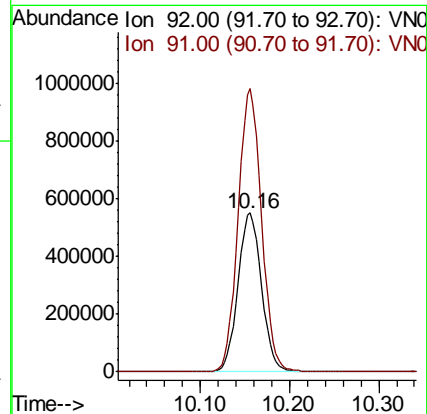
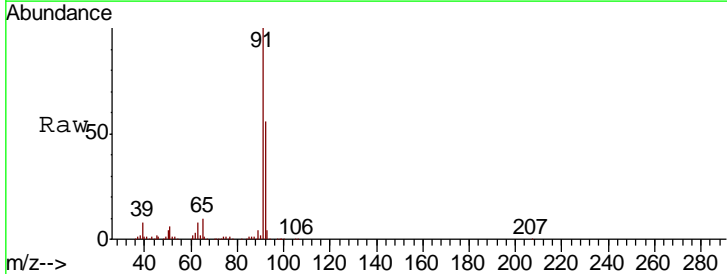
Manual Integrations
APPROVED
 MMDadoda
 8/16/2018 1:18:21 PM

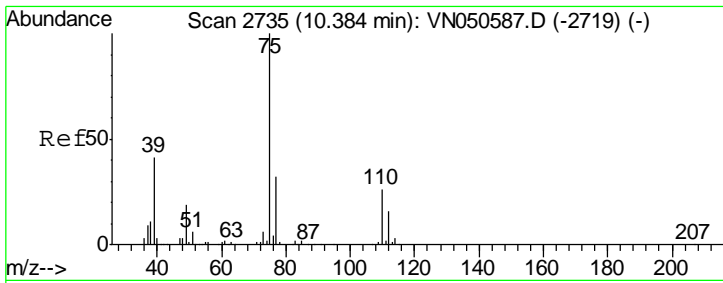


#52
 Toluene
 Concen: 52.15 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 92 Resp: 1010366

Ion	Ratio	Lower	Upper
92	100		
91	177.3	141.9	212.9



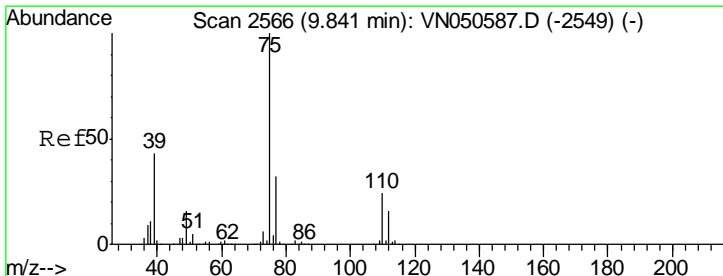
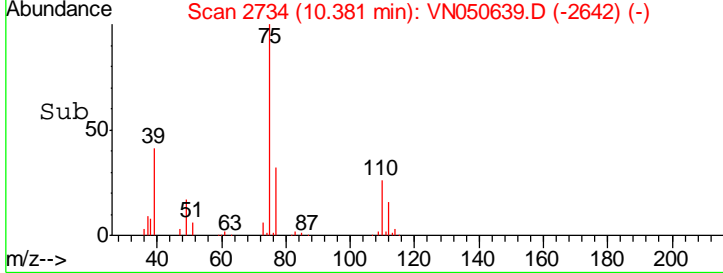
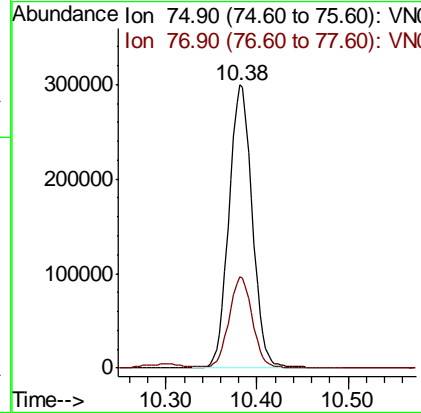
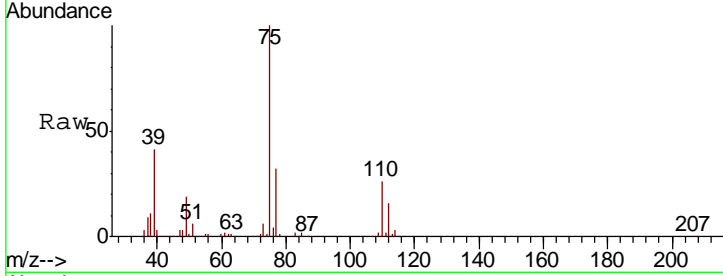


#53
 t-1,3-Dichloropropene
 Concen: 52.71 ug/l
 RT: 10.38 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

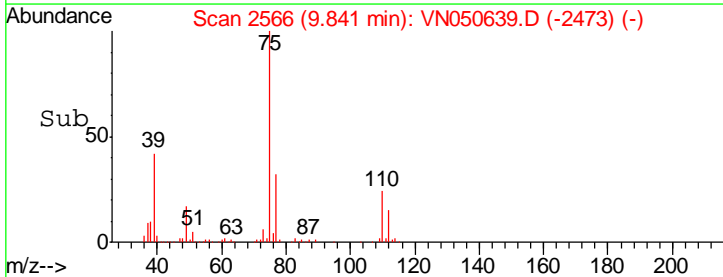
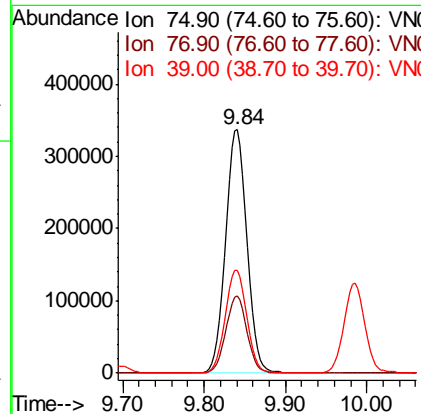
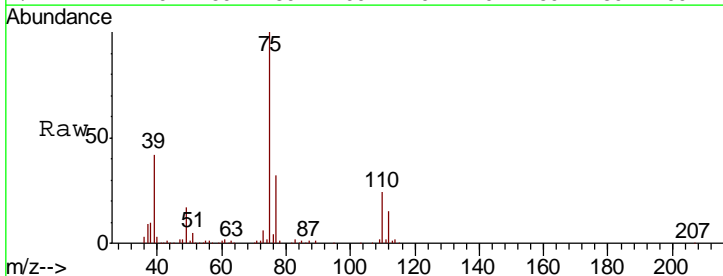
Tgt Ion	Resp	Lower	Upper
75	535212		
75	100		
77	32.1	25.8	38.6

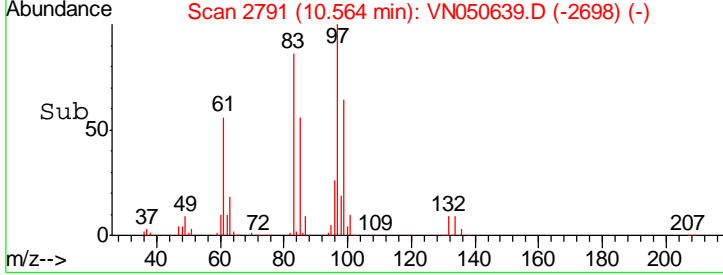
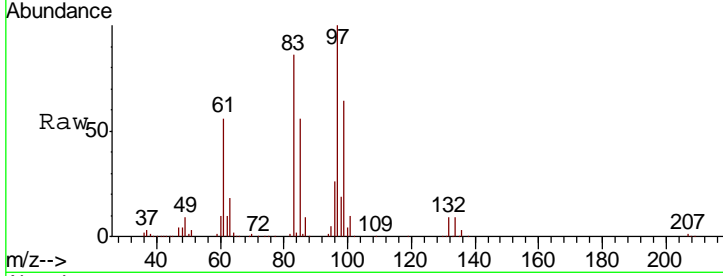
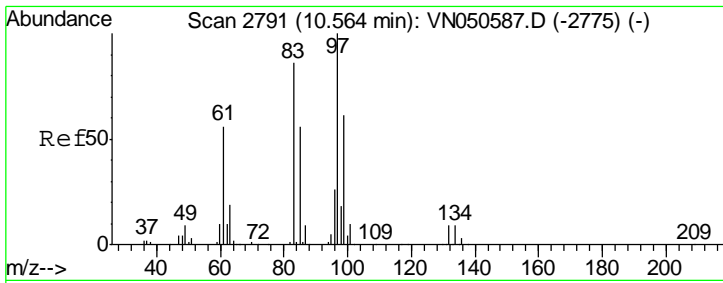
Manual Integrations
APPROVED
 MMDadoda
 8/16/2018 1:18:21 PM



#54
 cis-1,3-Dichloropropene
 Concen: 54.02 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
75	629225		
75	100		
77	31.7	25.6	38.4
39	42.1	34.4	51.6



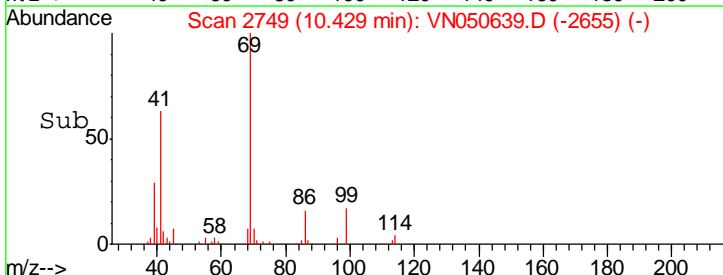
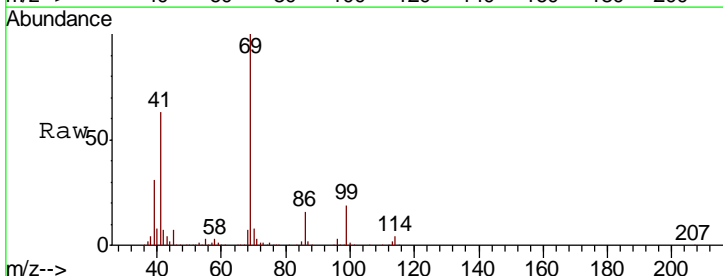
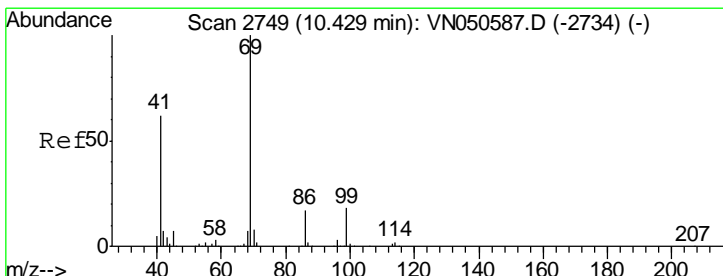
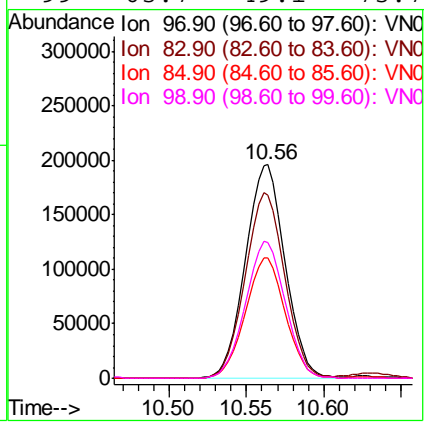


#55
 1,1,2-Trichloroethane
 Concen: 48.43 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
97	100		
83	86.0	68.5	102.7
85	56.1	44.6	66.8
99	63.7	49.1	73.7

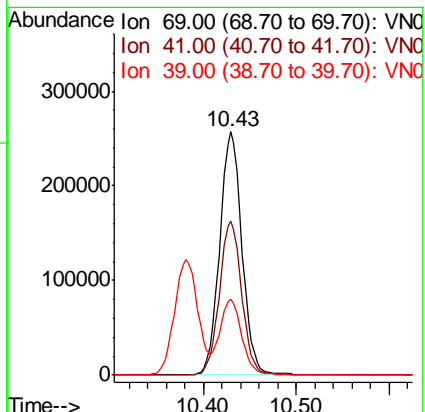
Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

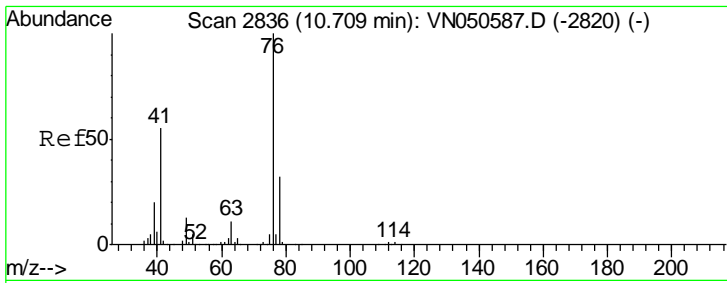
Manual Integrations
APPROVED
 MMDadoda
 8/16/2018 1:18:21 PM



#56
 Ethyl methacrylate
 Concen: 46.51 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
69	100		
41	63.5	49.7	74.5
39	30.9	24.2	36.2



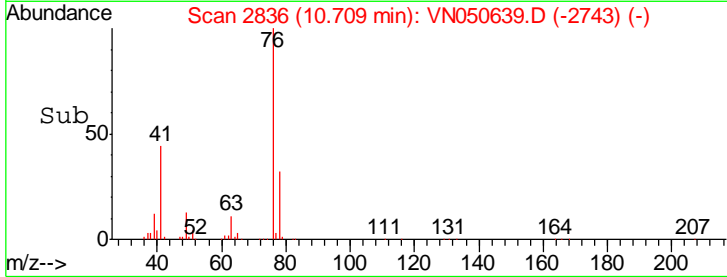
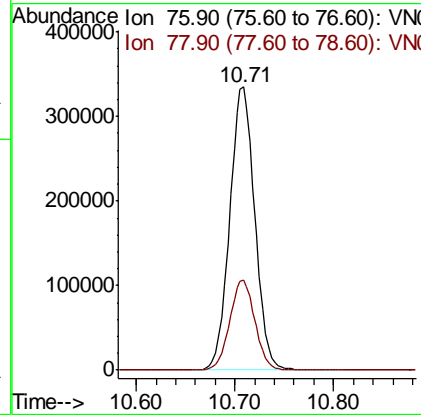
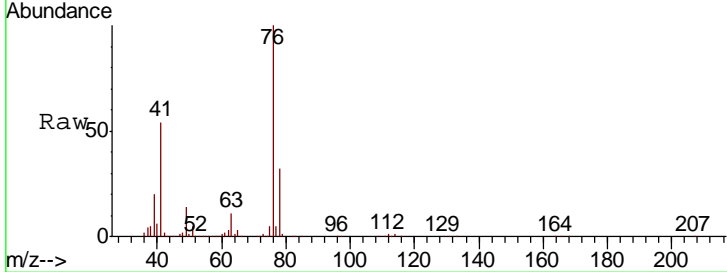


#57
 1,3-Dichloropropane
 Concen: 50.11 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 Client Sampled : VSTDC050

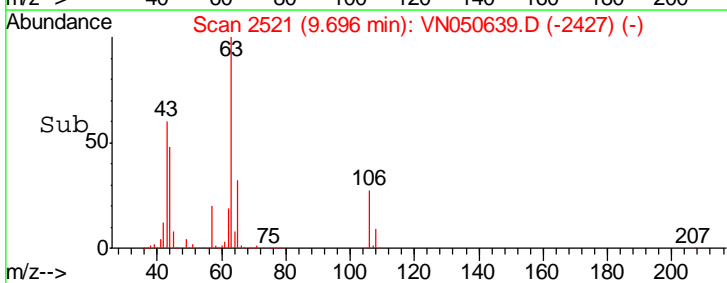
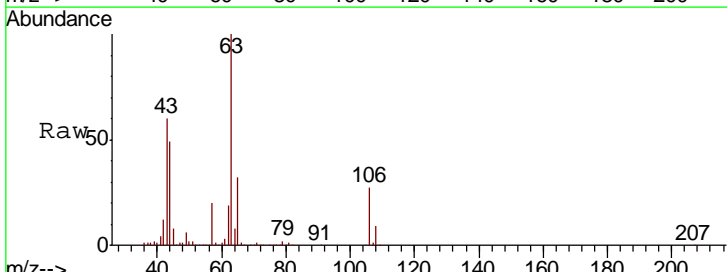
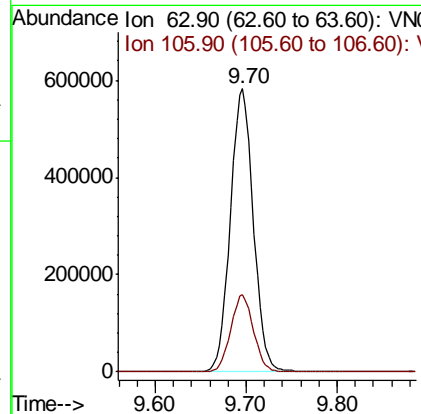
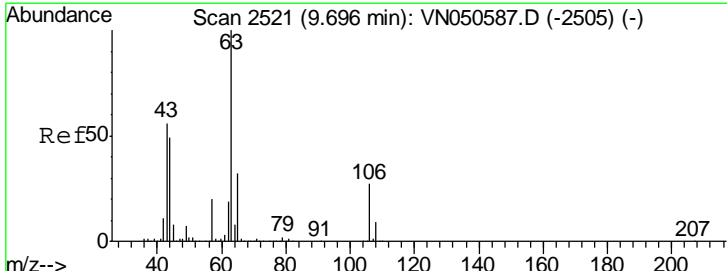
Tgt Ion	Resp	Lower	Upper
76	594599		
76	100		
78	32.1	25.8	38.6

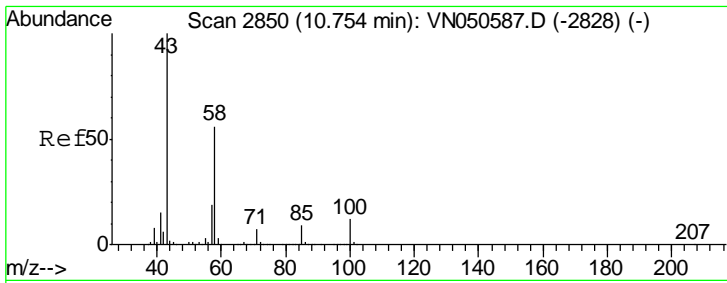
Manual Integrations
APPROVED
 MMDadoda
 8/16/2018 1:18:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.39 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
63	1024311		
63	100		
106	26.9	21.7	32.5



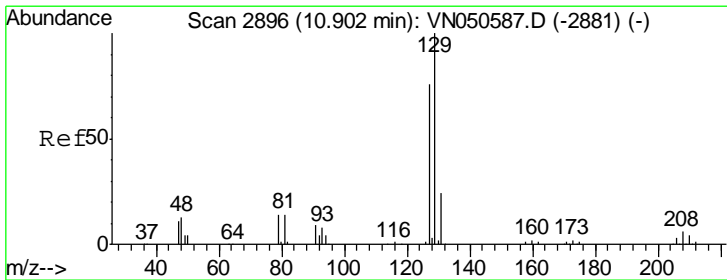
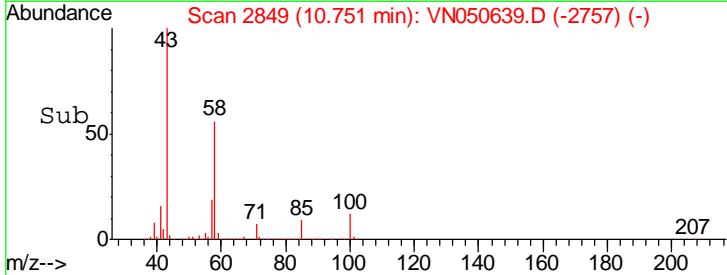
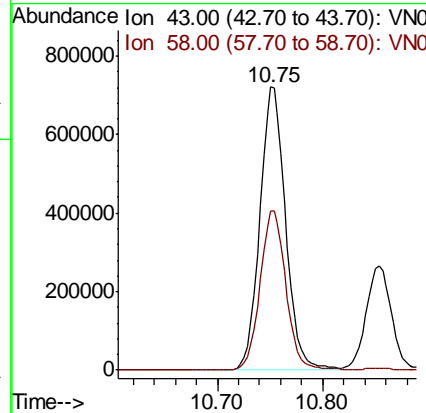
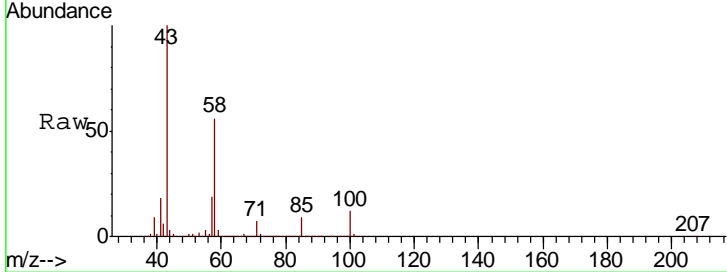


#59
 2-Hexanone
 Concen: 255.85 ug/l
 RT: 10.75 min Scan# 2849
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

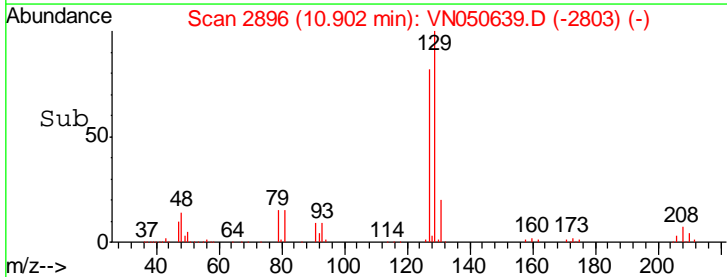
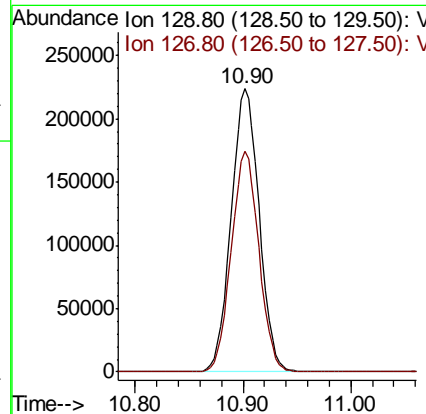
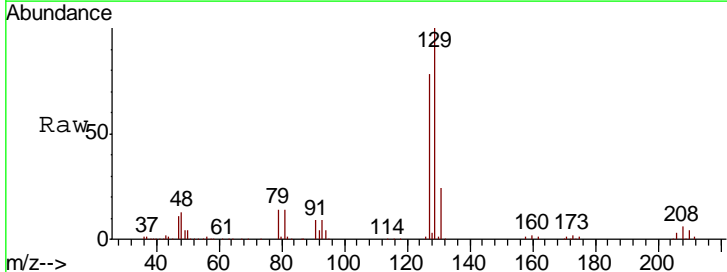
Tgt Ion	Resp	Lower	Upper
43	100		
58	56.6	28.0	84.0

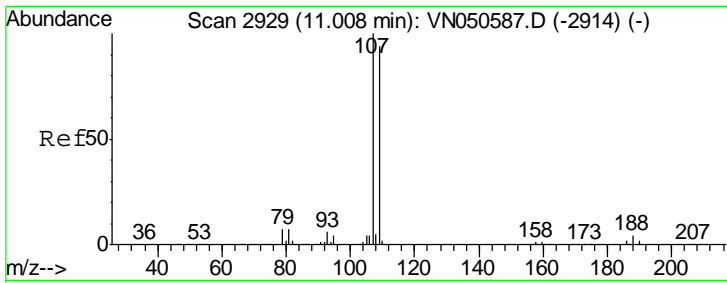
Manual Integrations
APPROVED
 MMDadoda
 8/16/2018 1:18:21 PM



#60
 Dibromochloromethane
 Concen: 50.71 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.0	38.9	116.7





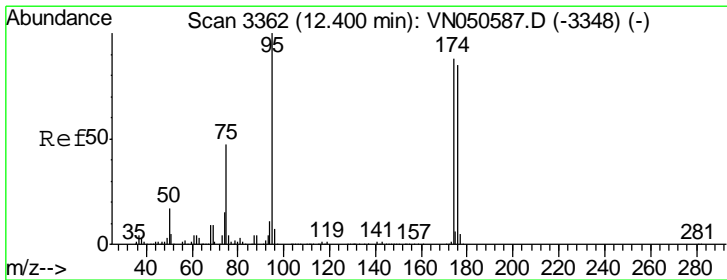
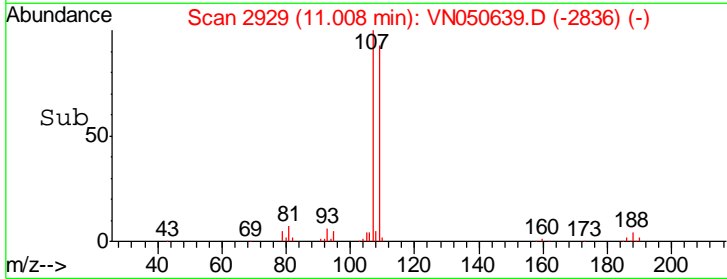
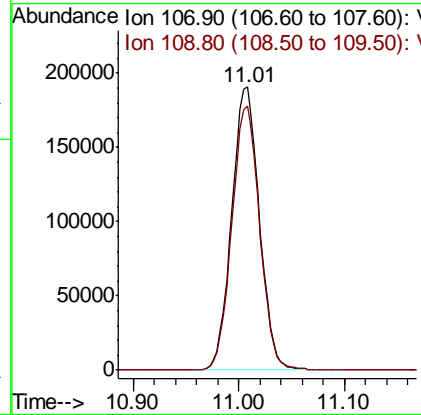
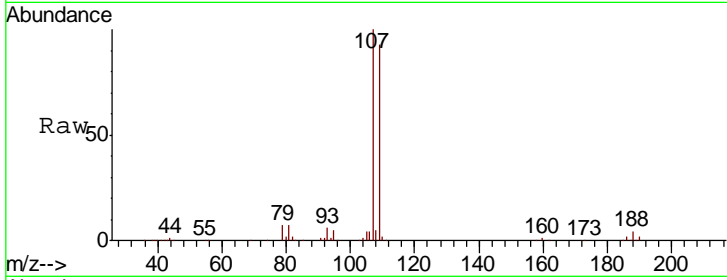
#61
 1,2-Dibromoethane
 Concen: 50.21 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion	Resp	Lower	Upper
107	100		
109	93.9	75.7	113.5

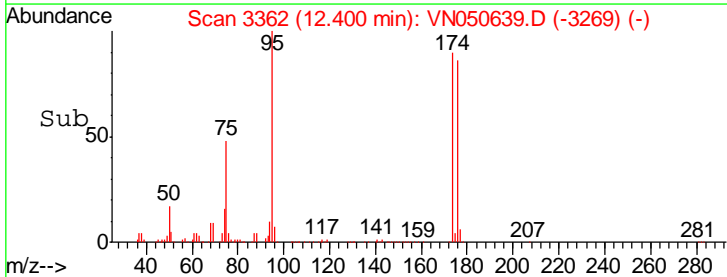
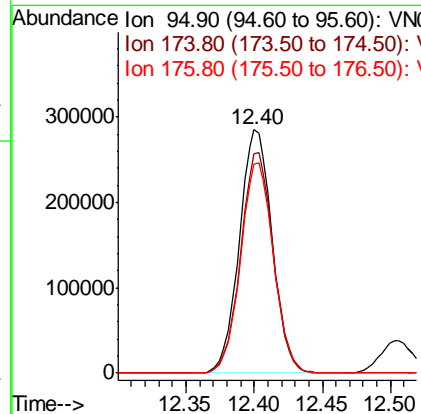
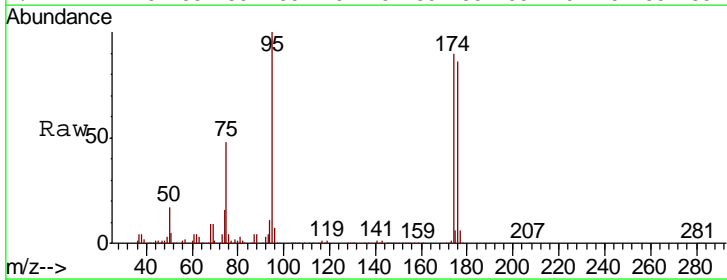
Manual Integrations
 APPROVED

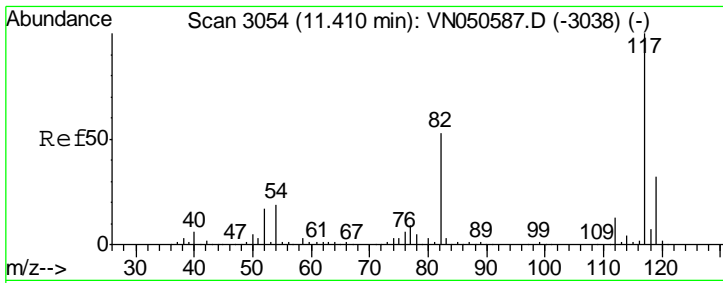
MMDadoda
 8/16/2018 1:18:21 PM



#62
 4-Bromofluorobenzene
 Concen: 49.86 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

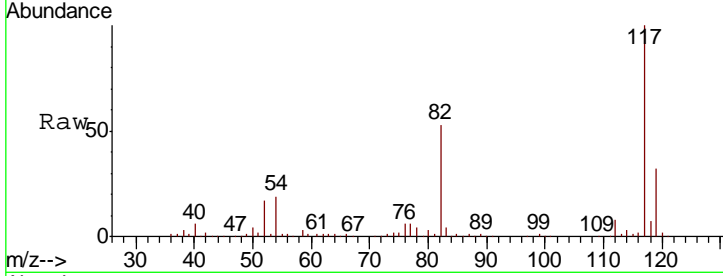
Tgt Ion	Resp	Lower	Upper
95	100		
174	90.3	0.0	177.8
176	86.8	0.0	175.0





#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050639.D
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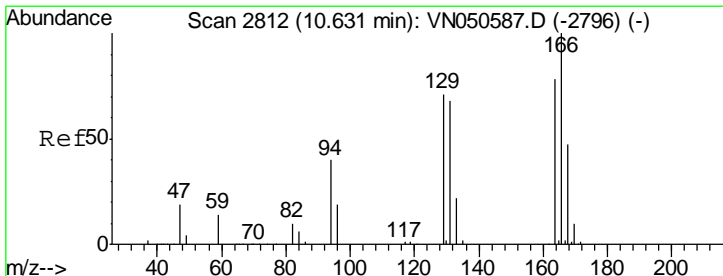
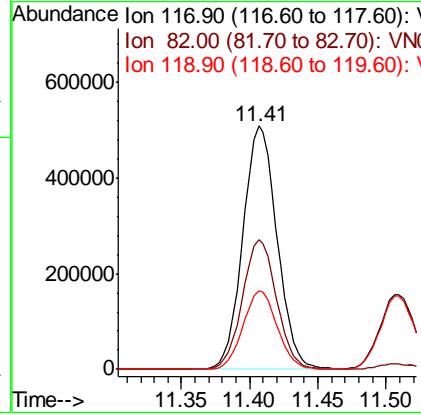
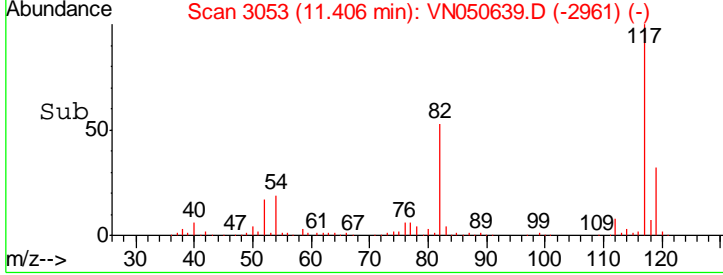
Instrument : MSVOA_N
 ClientSampled : VSTDCCC050



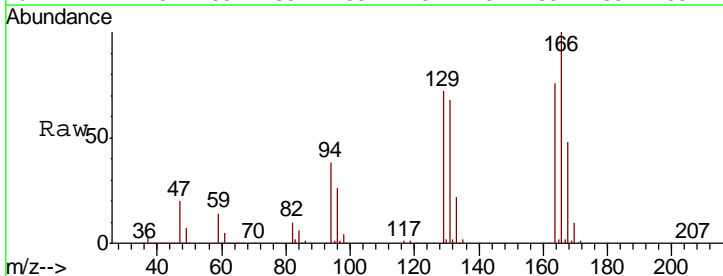
Tgt Ion: 117 Resp: 887834

Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.4	63.6
119	32.3	25.8	38.8

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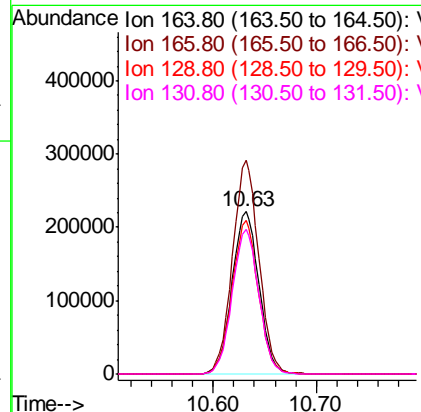
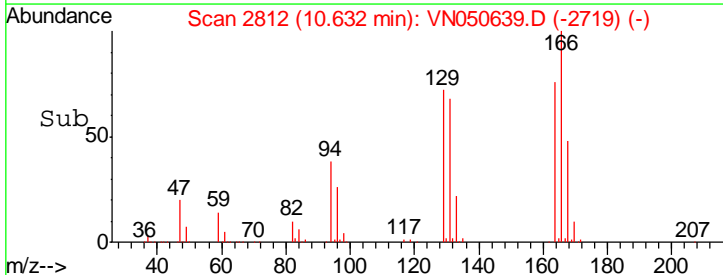


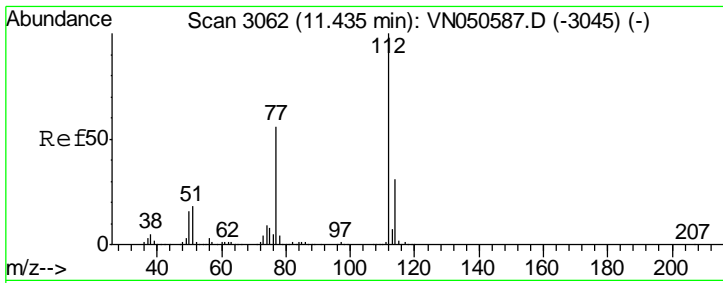
#64
 Tetrachloroethene
 Concen: 48.86 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26



Tgt Ion: 164 Resp: 402859

Ion	Ratio	Lower	Upper
164	100		
166	131.6	102.1	153.1
129	94.8	72.7	109.1
131	88.9	69.9	104.9





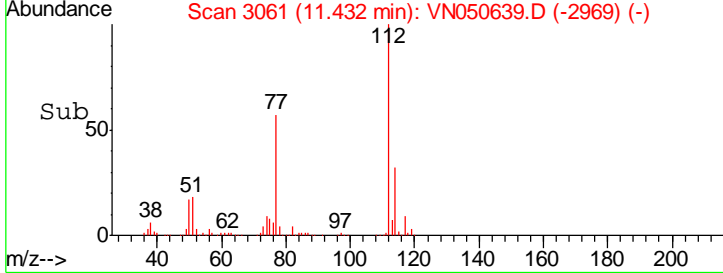
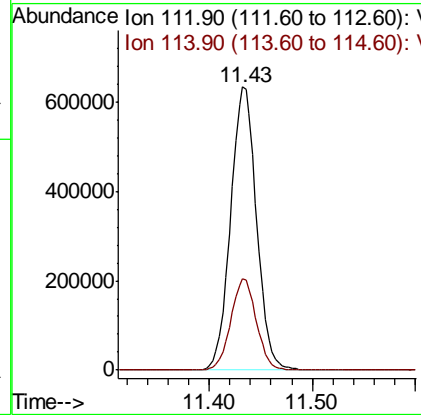
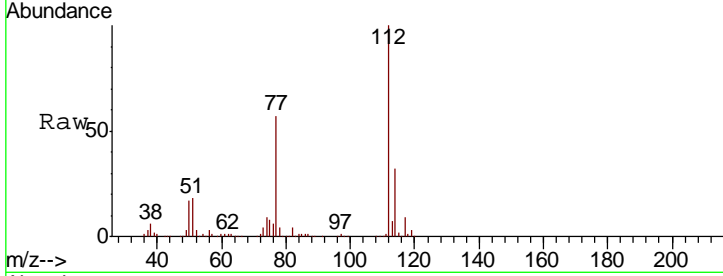
#65
 Chlorobenzene
 Concen: 50.14 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion:112 Resp: 1107796

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.2	37.8

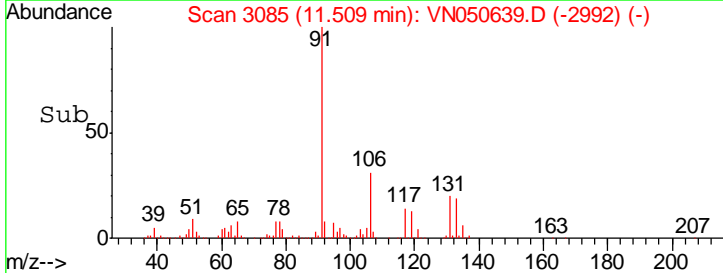
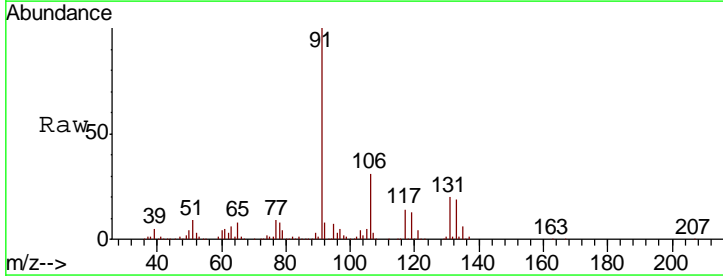
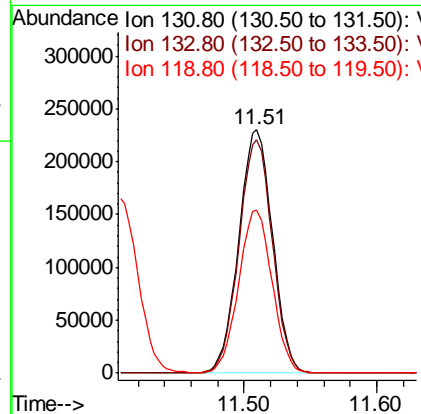
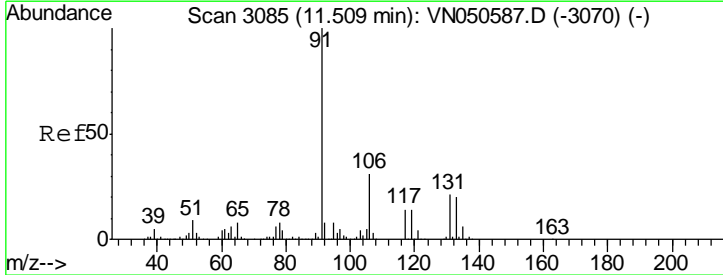
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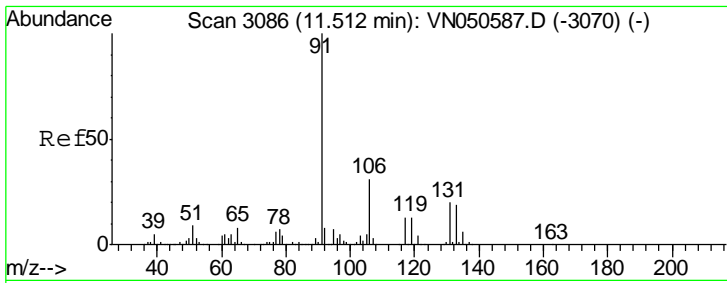


#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.19 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion:131 Resp: 407450

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.6	142.9
119	66.4	33.1	99.3





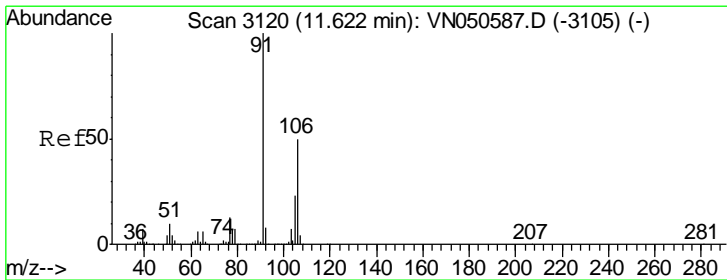
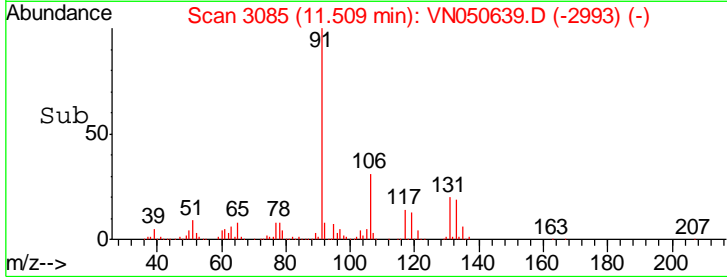
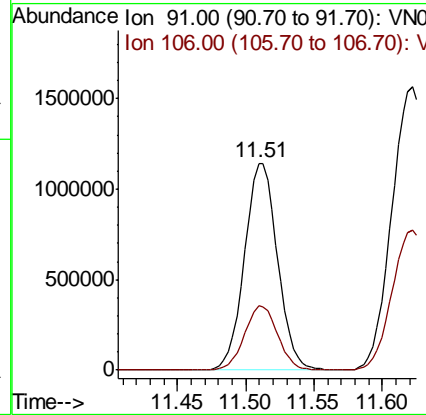
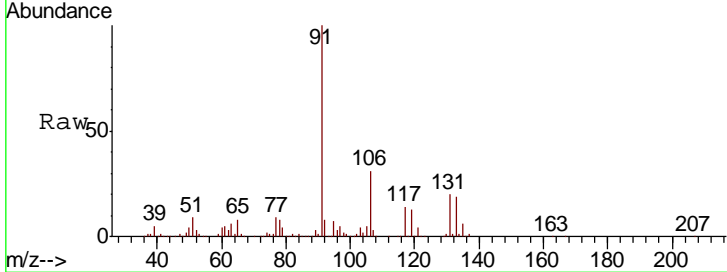
#67
Ethyl Benzene
Concen: 53.81 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
ClientSampled : VSTDCCC050

Tgt Ion: 91 Resp: 1919863

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.8	37.2

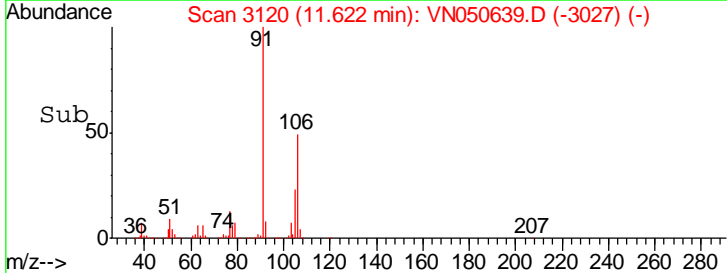
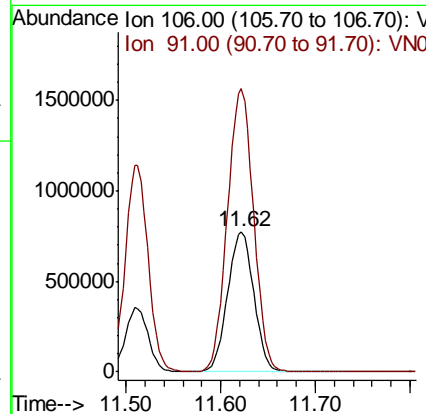
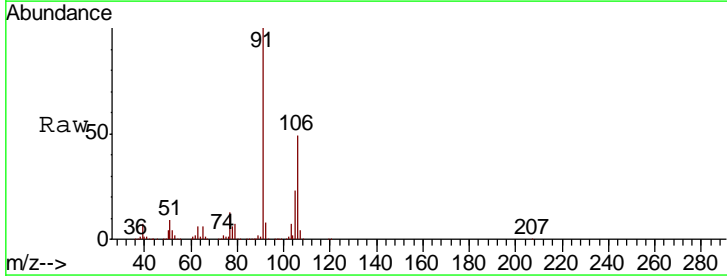
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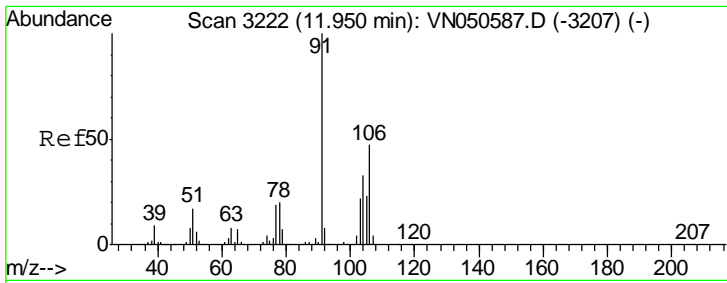


#68
m/p-Xylenes
Concen: 109.07 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050639.D
Acq: 15 Aug 2018 8:26

Tgt Ion: 106 Resp: 1488282

Ion	Ratio	Lower	Upper
106	100		
91	202.2	161.5	242.3



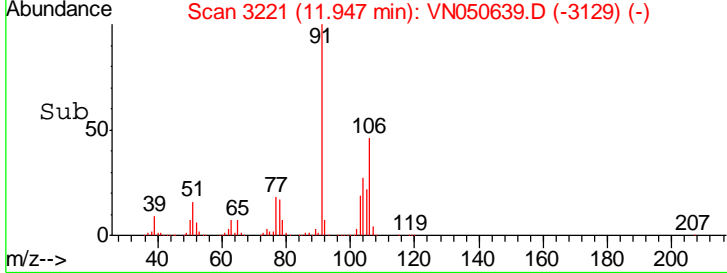
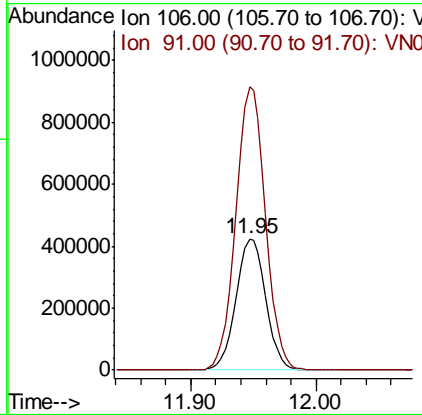
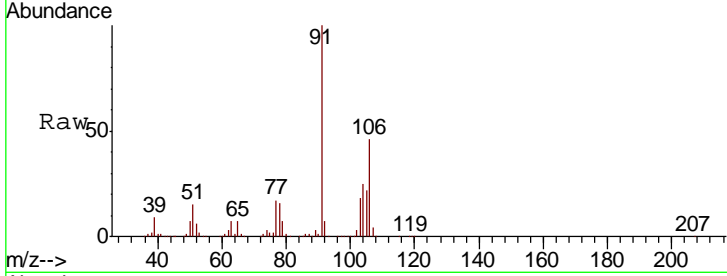


#69
 o-Xylene
 Concen: 53.54 ug/l
 RT: 11.95 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 Client Sampled : VSTDC050

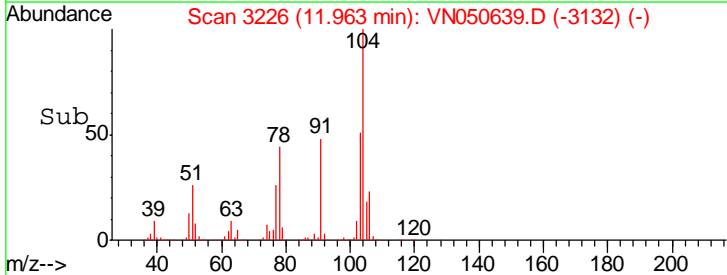
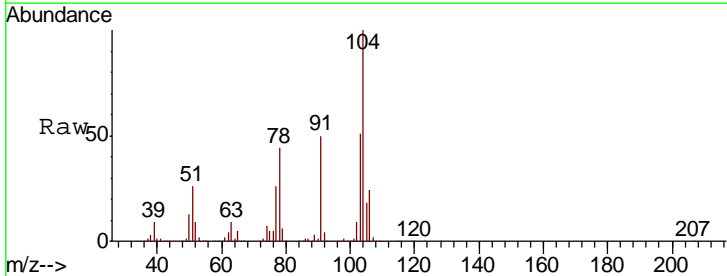
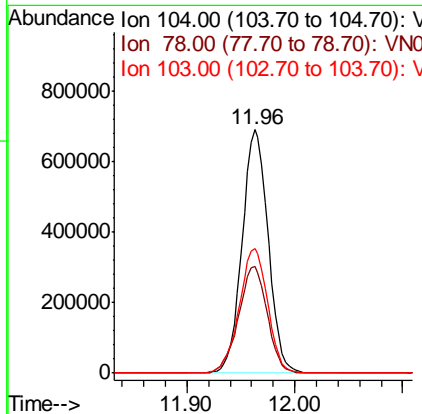
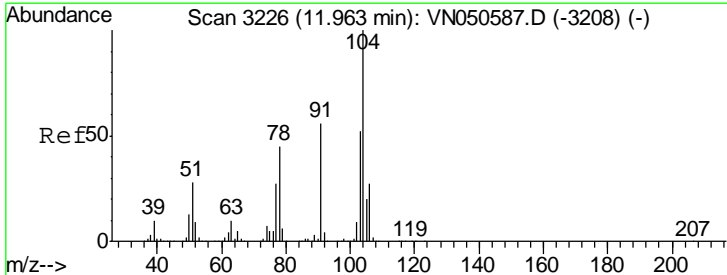
Tgt Ion	Resp	Lower	Upper
106	696679		
106	100		
91	215.0	106.8	320.4

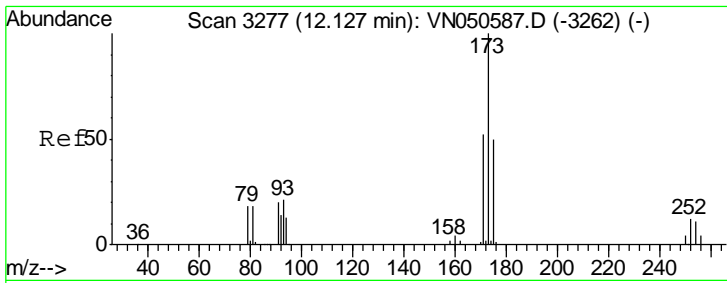
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#70
 Styrene
 Concen: 50.19 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
104	1161526		
104	100		
78	48.3	39.1	58.7
103	55.9	44.9	67.3





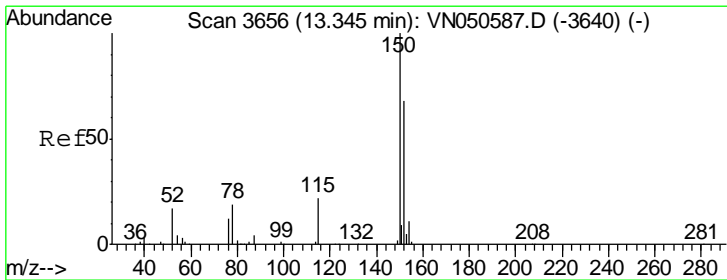
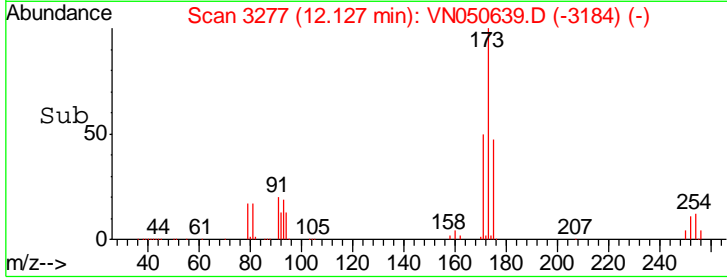
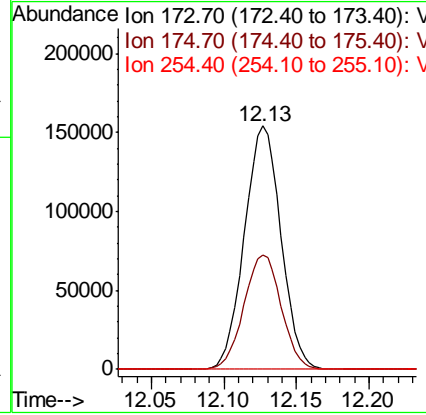
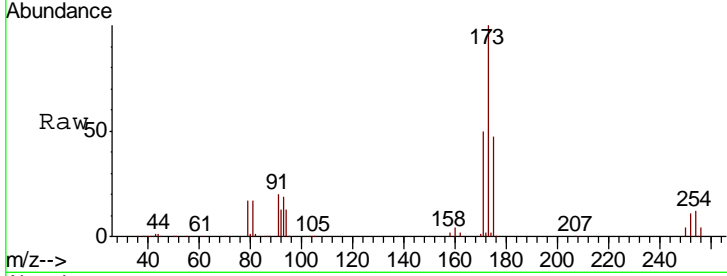
#71
 Bromoform
 Concen: 49.35 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 Client Sampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
173	271048		
175	47.9	24.4	73.2
254	0.1	0.0	0.0

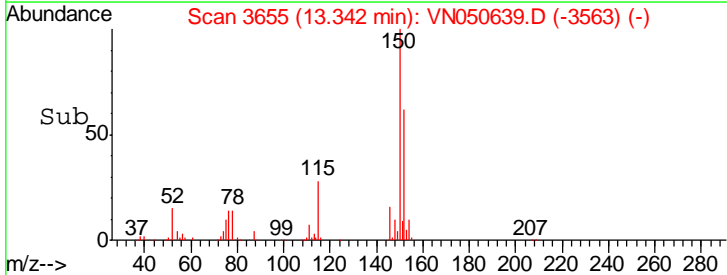
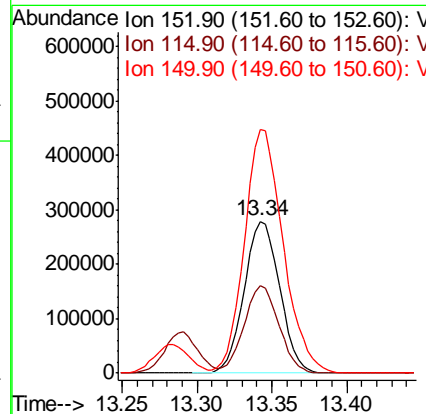
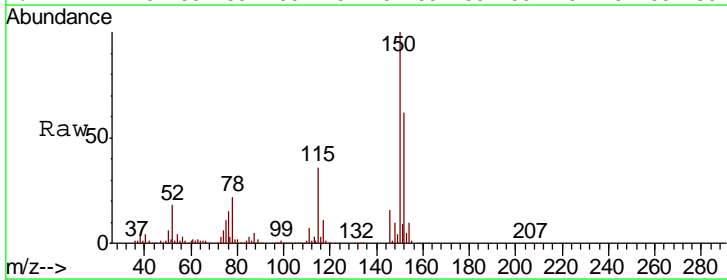
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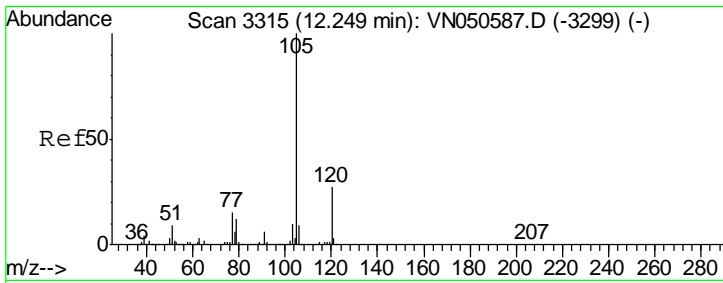
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
152	460297		
115	56.7	28.1	84.2
150	175.2	0.0	347.8





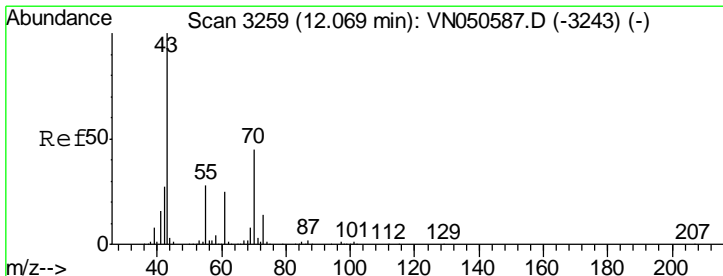
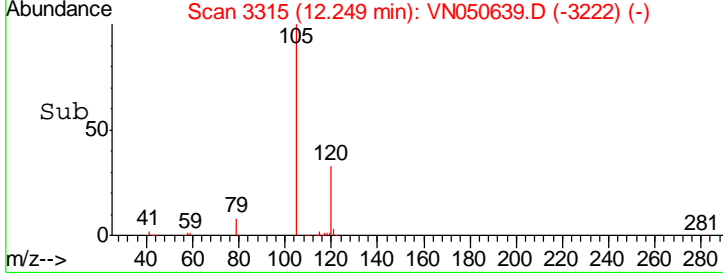
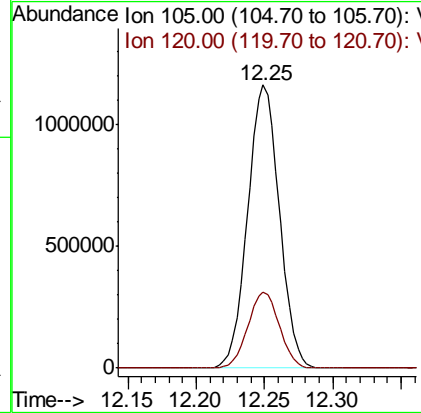
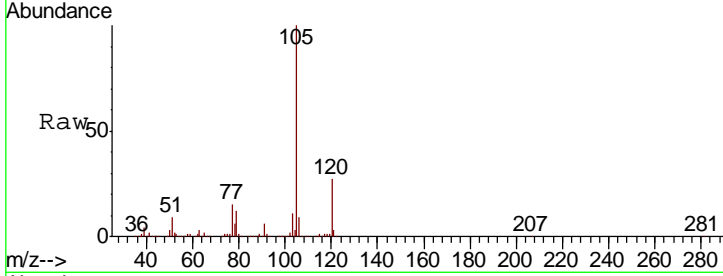
#73
 Isopropylbenzene
 Concen: 52.11 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 Client Sampled : VSTDC050

Tgt Ion: 105 Resp: 1874191

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1

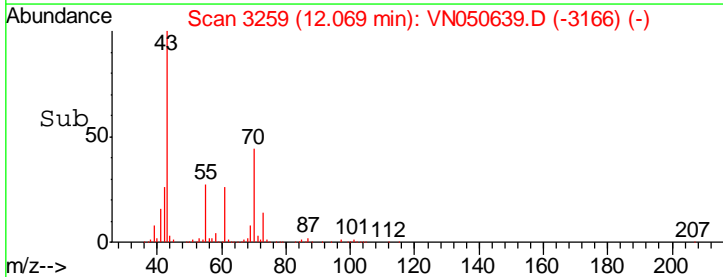
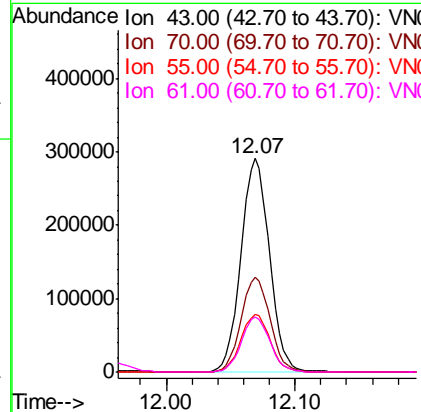
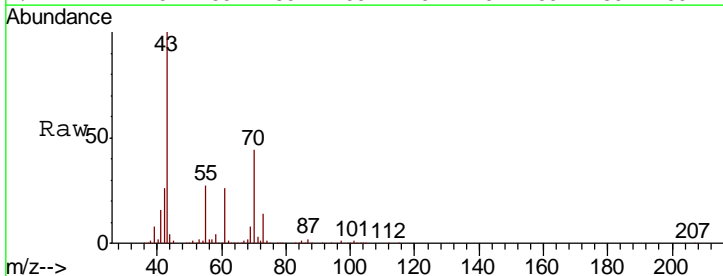
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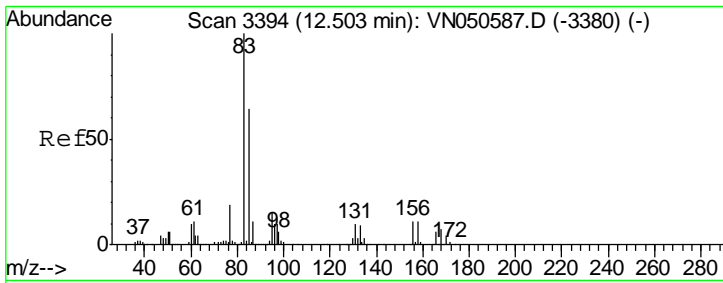


#74
 N-aryl acetate
 Concen: 47.71 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 43 Resp: 446412

Ion	Ratio	Lower	Upper
43	100		
70	45.2	35.9	53.9
55	27.7	22.2	33.4
61	25.8	20.0	30.0



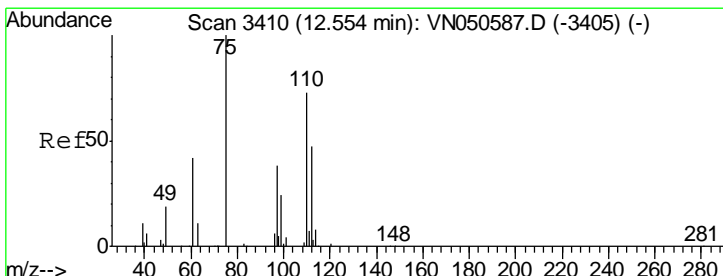
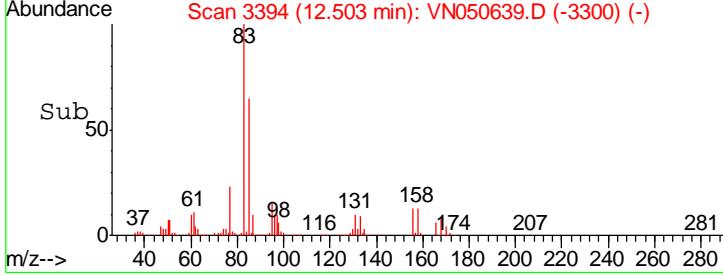
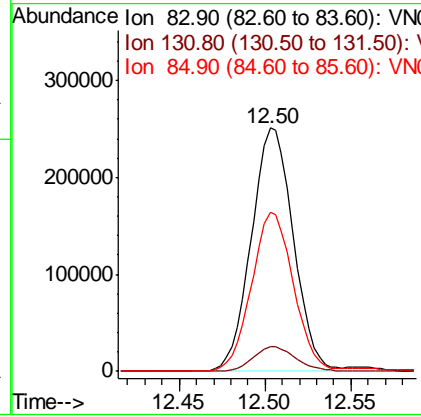
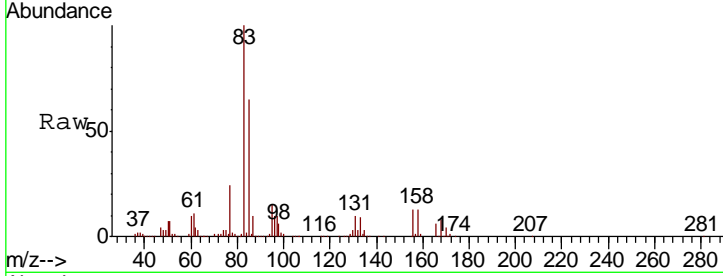


#75
 1,1,2,2-Tetrachloroethane
 Concen: 51.05 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

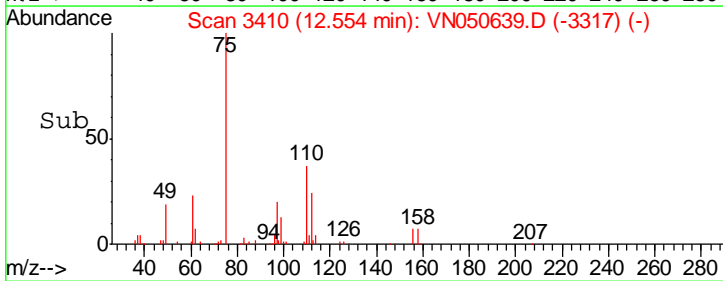
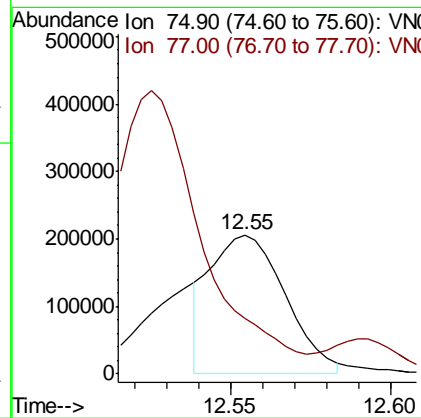
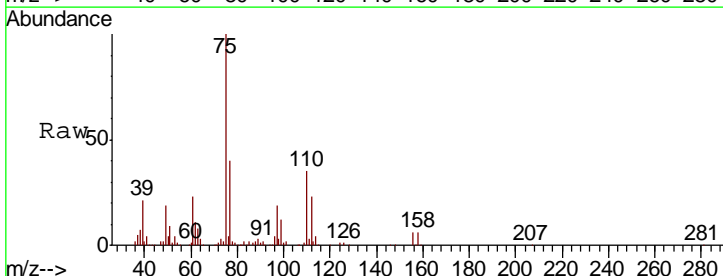
Tgt Ion	Resp	Lower	Upper
83	425858		
131	10.4	5.3	15.9
85	64.8	32.1	96.5

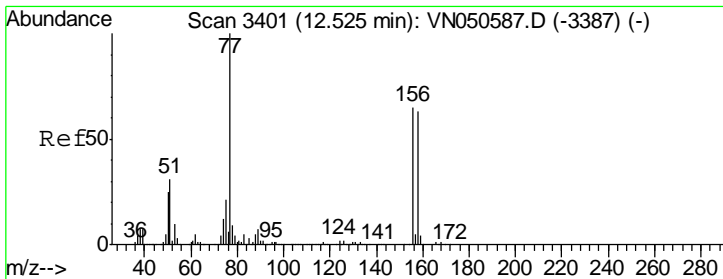
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#76
 1,2,3-Trichloropropane
 Concen: 45.35 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
75	337981		
77	0.0	0.0	0.0



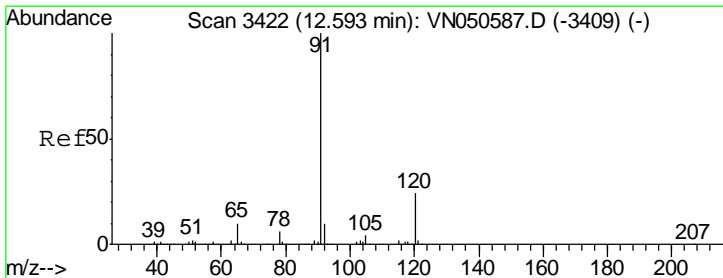
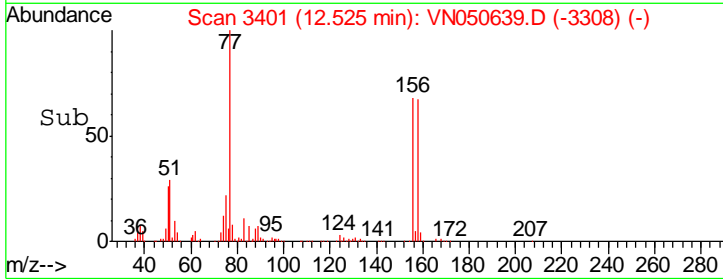
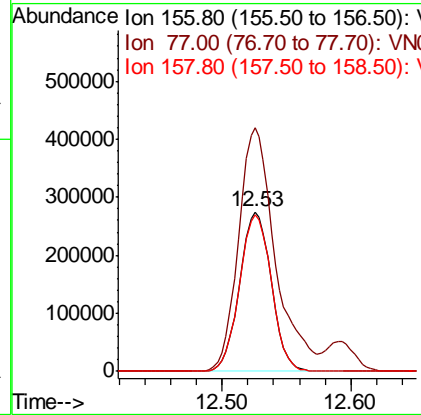
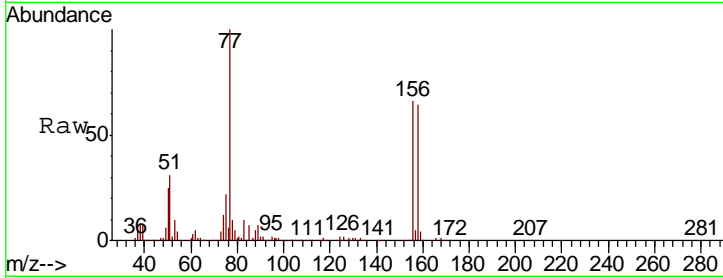


#77
 Bromobenzene
 Concen: 47.96 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

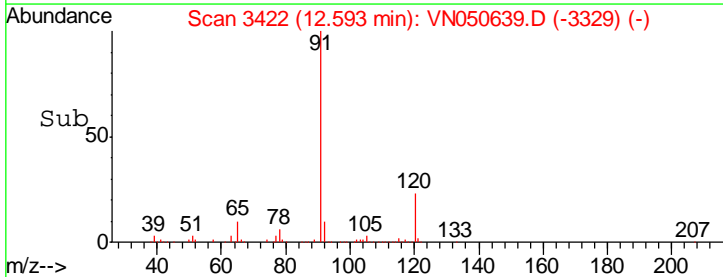
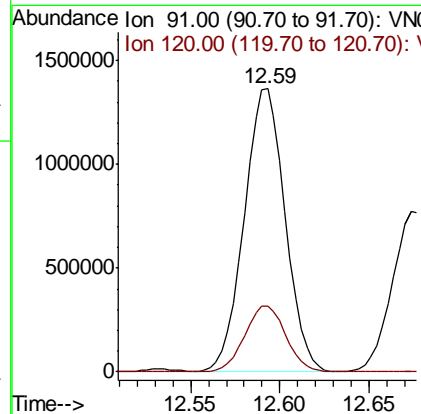
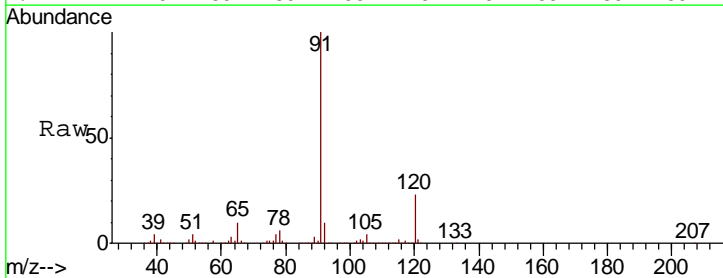
Tgt Ion	Resp	Lower	Upper
156	468308		
77	177.6	89.0	267.1
158	99.0	48.5	145.6

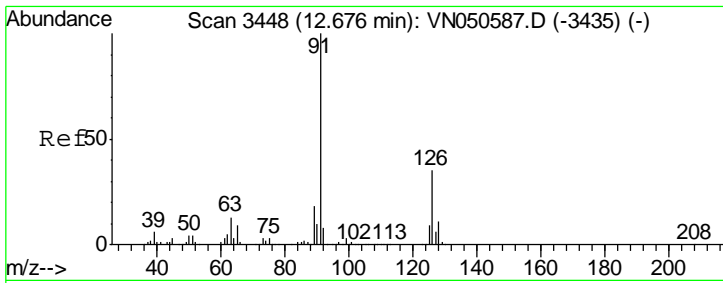
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#78
 n-propylbenzene
 Concen: 54.15 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
91	2171546		
120	23.5	11.8	35.4





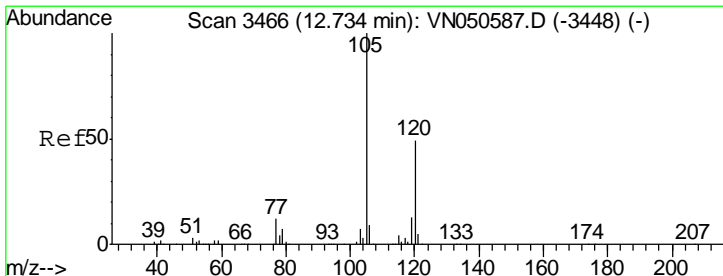
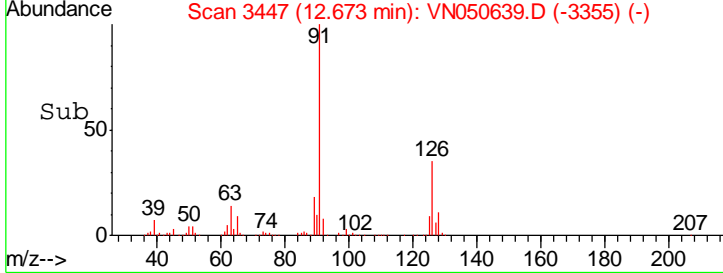
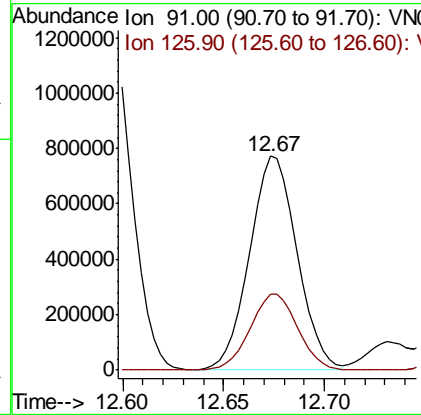
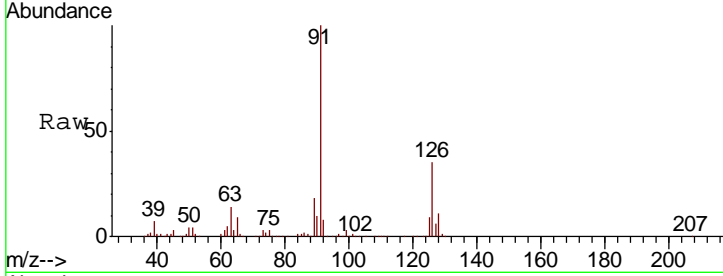
#79
 2-Chlorotoluene
 Concen: 50.83 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion: 91 Resp: 1270901

Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.8

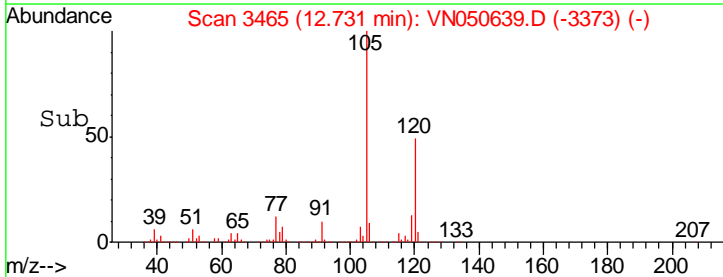
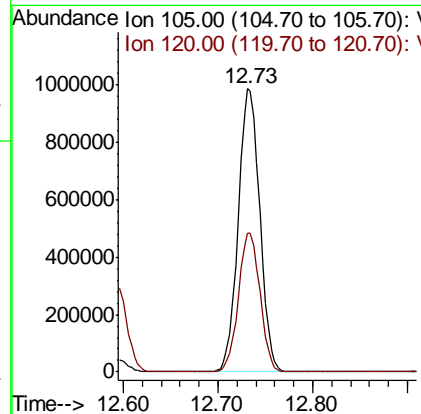
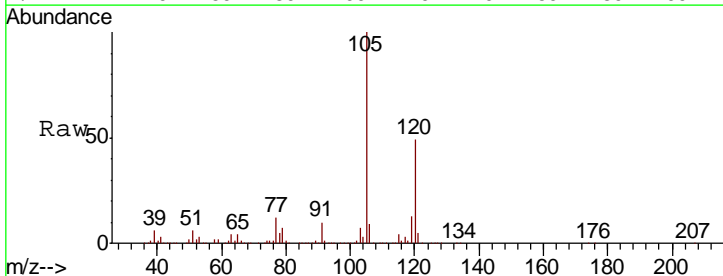
Manual Integrations
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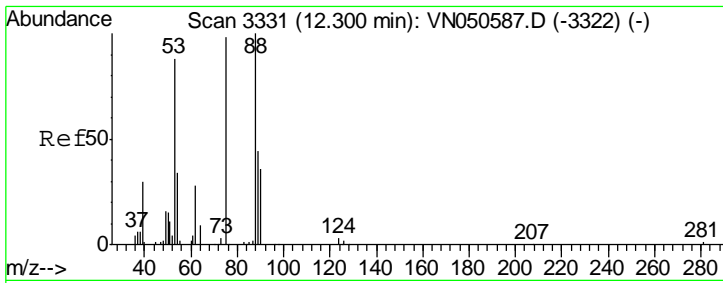


#80
 1,3,5-Trimethylbenzene
 Concen: 54.18 ug/l
 RT: 12.73 min Scan# 3465
 Delta R.T. -0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion: 105 Resp: 1559964

Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.7	74.1



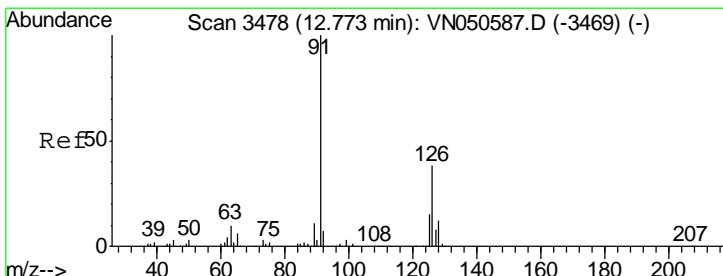
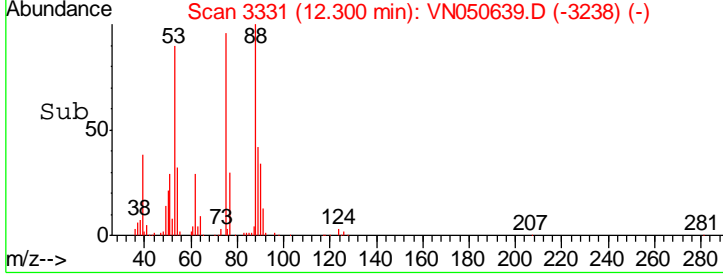
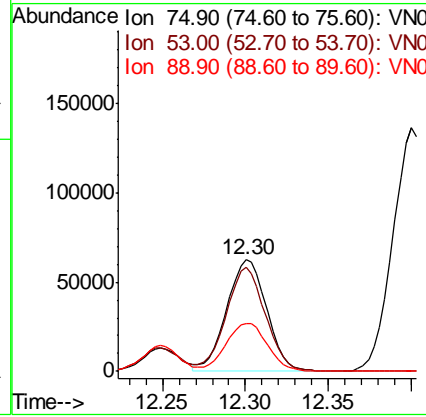
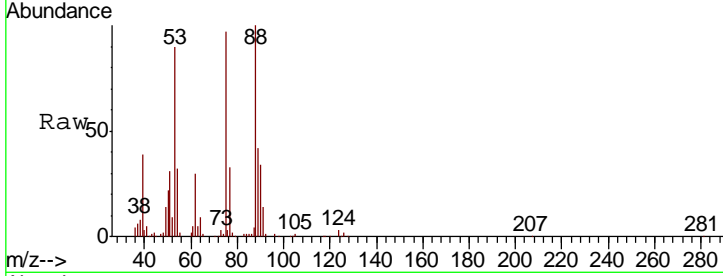


#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.98 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

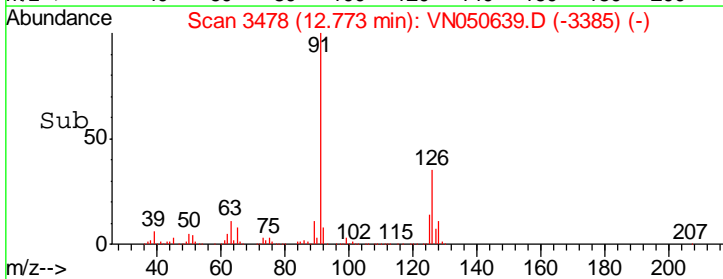
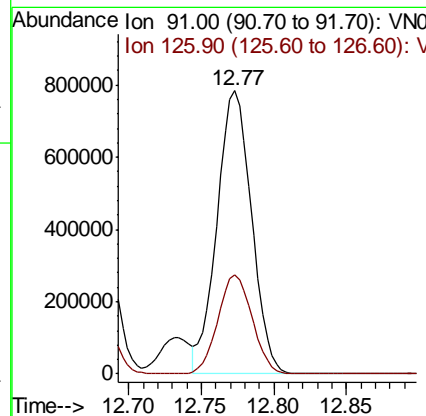
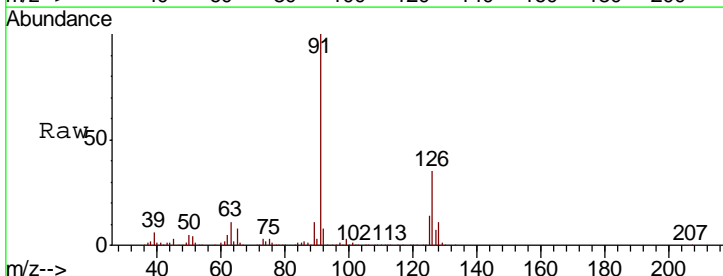
Tgt Ion	Resp	Lower	Upper
75	10545		
75	100		
53	90.5	72.2	108.2
89	44.2	36.3	54.5

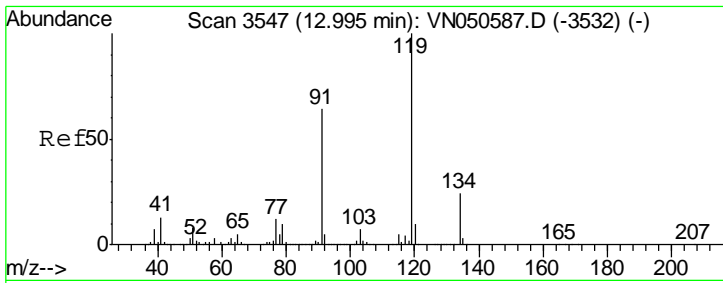
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#82
 4-Chlorotoluene
 Concen: 52.53 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
91	1297850		
91	100		
126	34.7	17.3	52.0





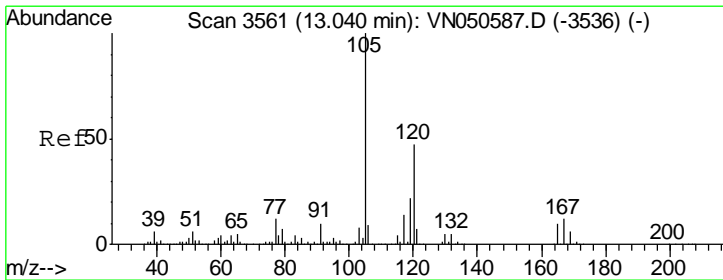
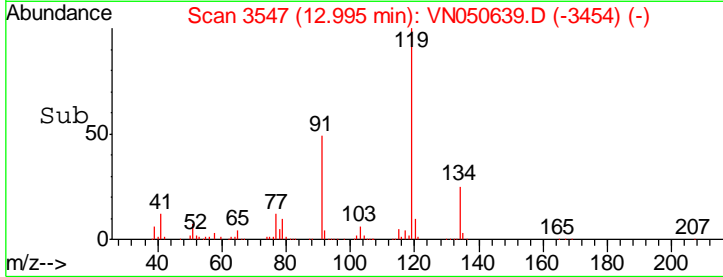
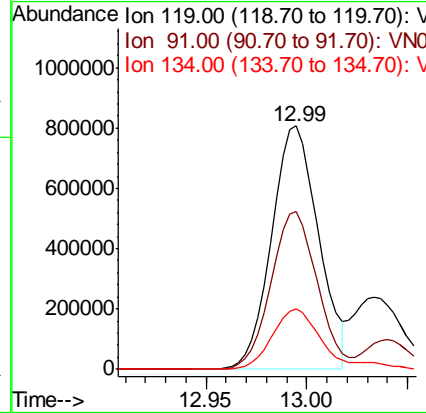
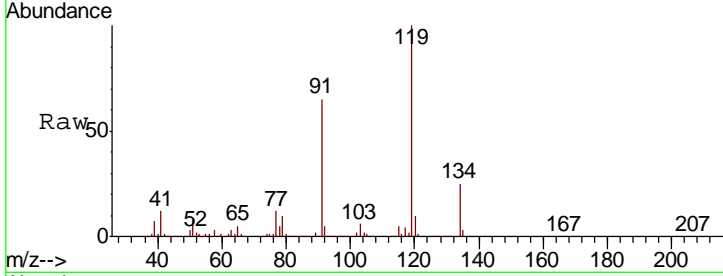
#83
 tert-Butylbenzene
 Concen: 52.24 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
119	100		
91	63.4	32.2	96.6
134	27.1	13.4	40.2

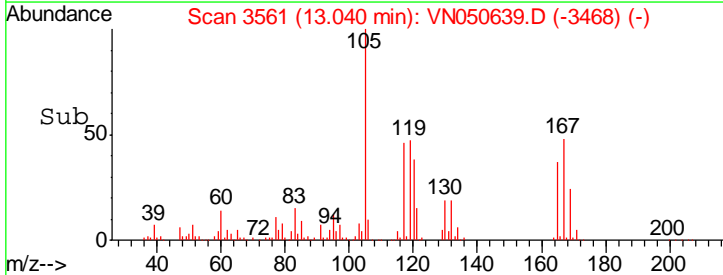
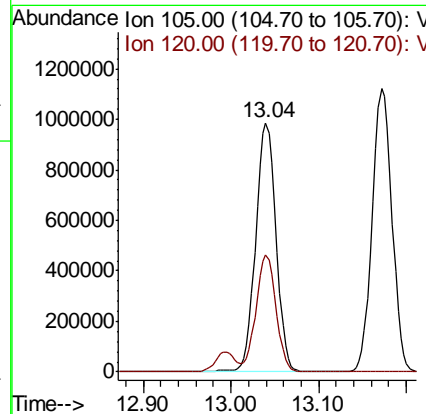
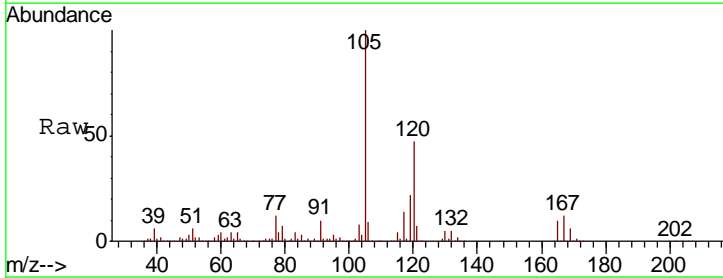
Manual Integrations
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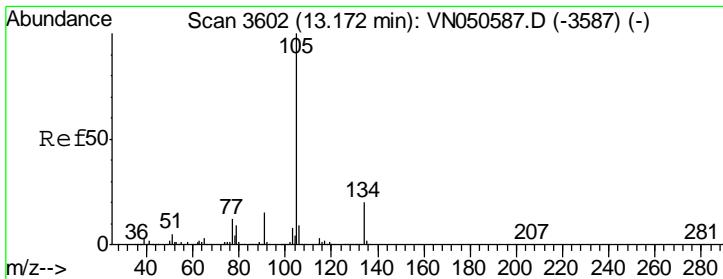
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.89 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
105	100		
120	46.2	23.2	69.5





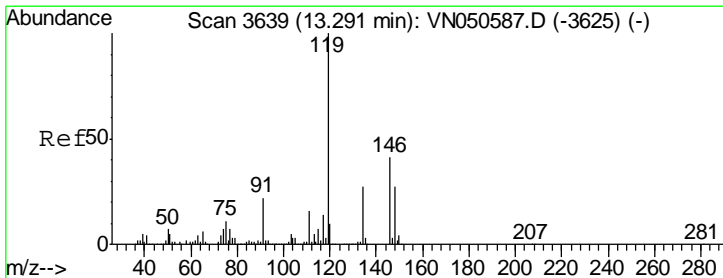
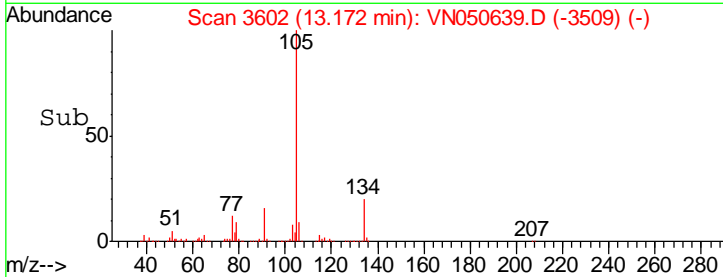
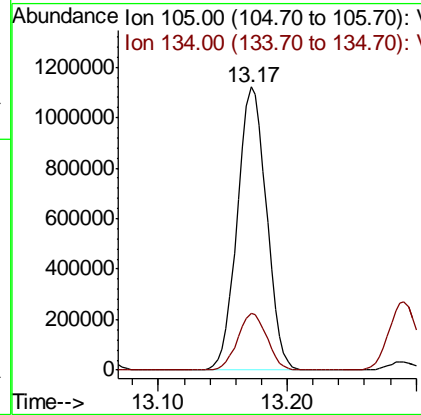
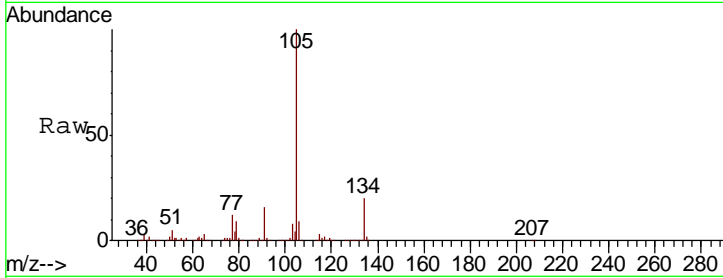
#85
 sec-Butylbenzene
 Concen: 53.91 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
105	1760852		
134	20.2	10.1	30.3

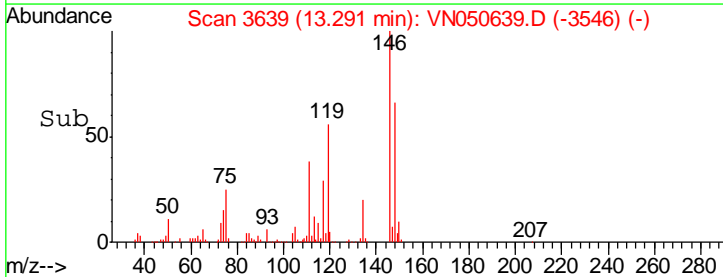
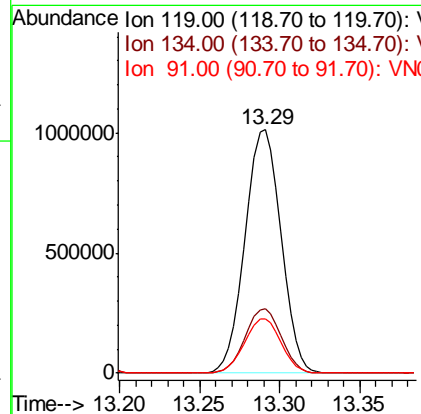
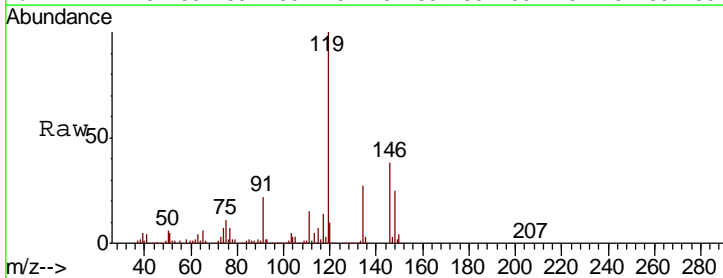
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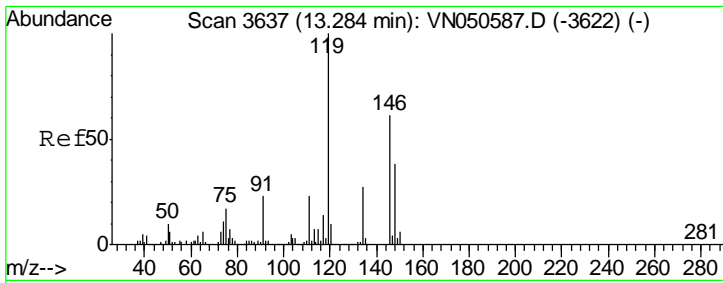
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#86
 p-Isopropyltoluene
 Concen: 55.99 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
119	1549672		
134	26.7	13.5	40.4
91	22.5	11.2	33.6



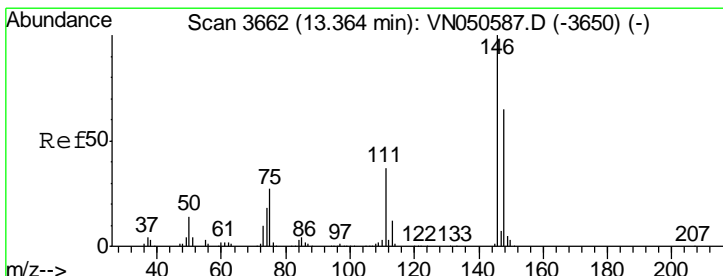
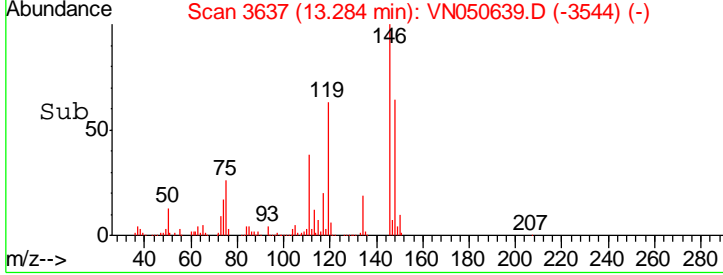
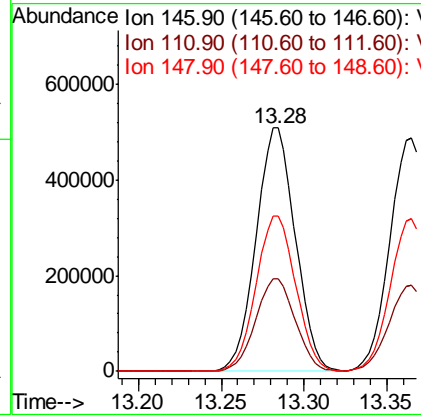
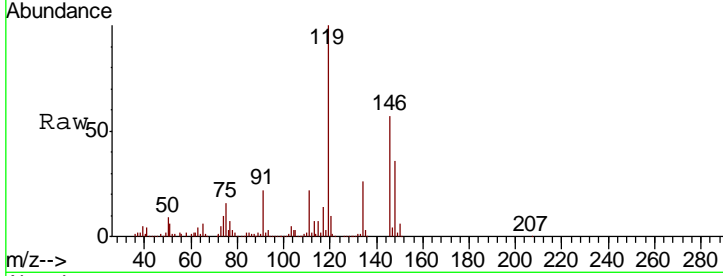


#87
 1,3-Dichlorobenzene
 Concen: 50.27 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

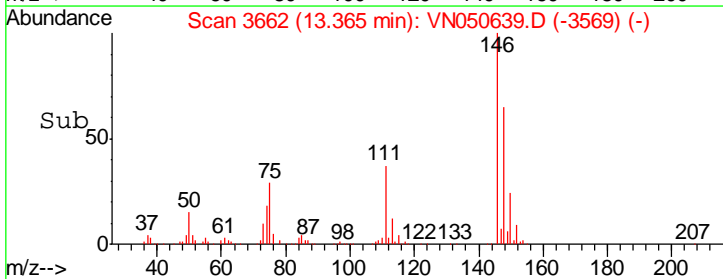
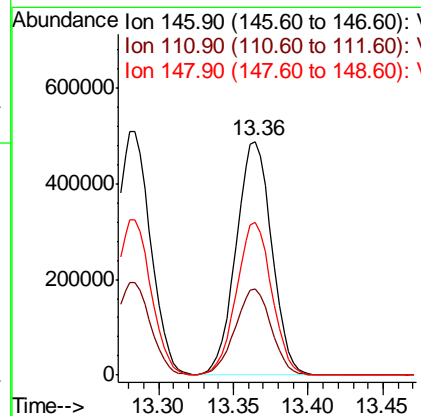
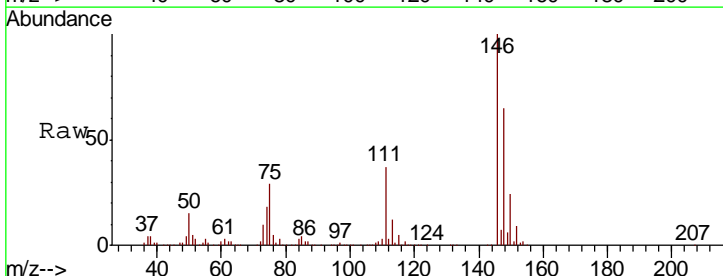
Tgt Ion	Resp	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.7	31.9	95.7

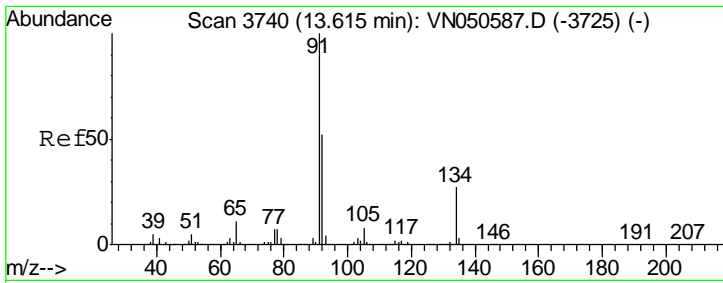
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#88
 1,4-Dichlorobenzene
 Concen: 49.19 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	64.8	32.3	96.8





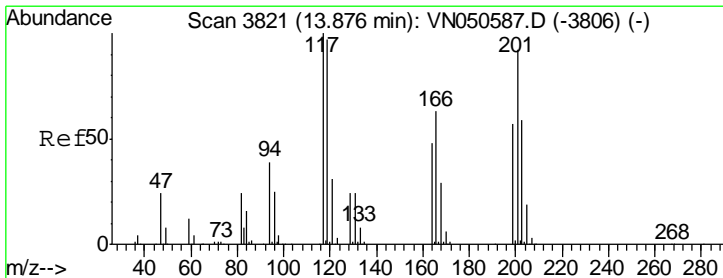
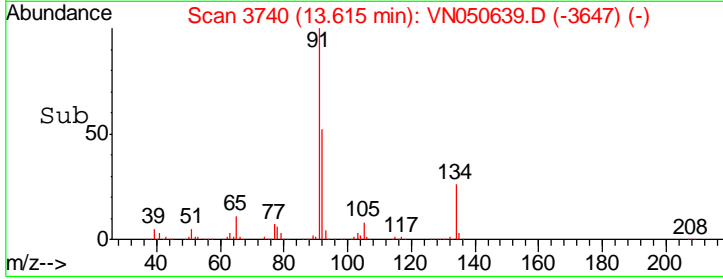
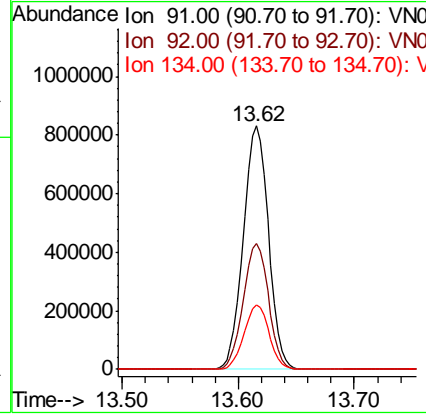
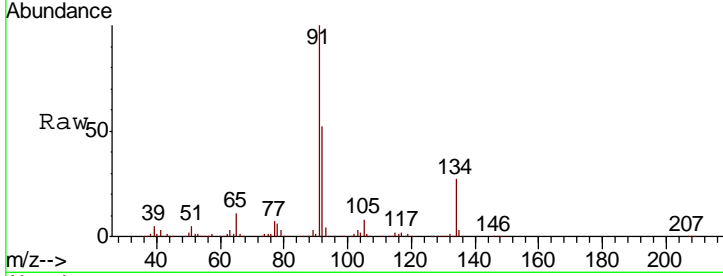
#89
 n-Butylbenzene
 Concen: 55.99 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

Tgt Ion	Resp	Lower	Upper
91	1251353		
91	100		
92	51.8	26.3	78.8
134	26.4	13.3	39.9

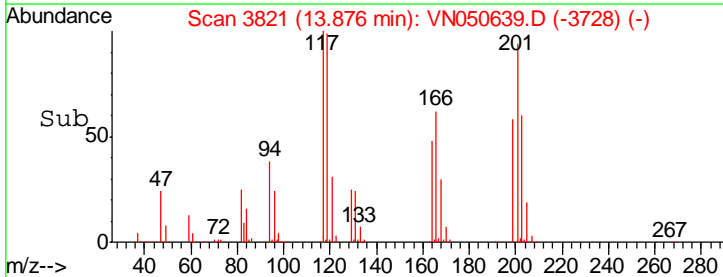
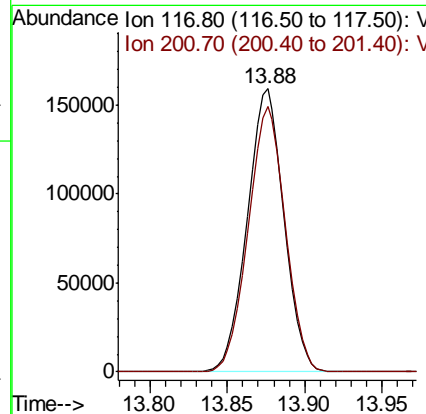
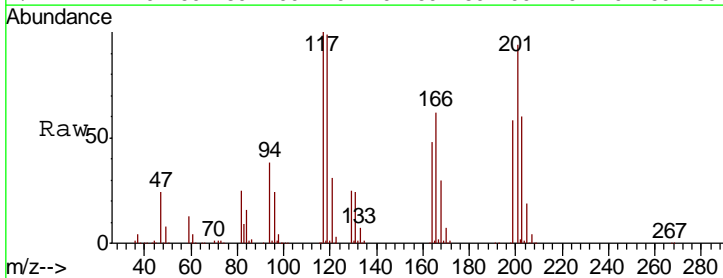
Manual Integrations
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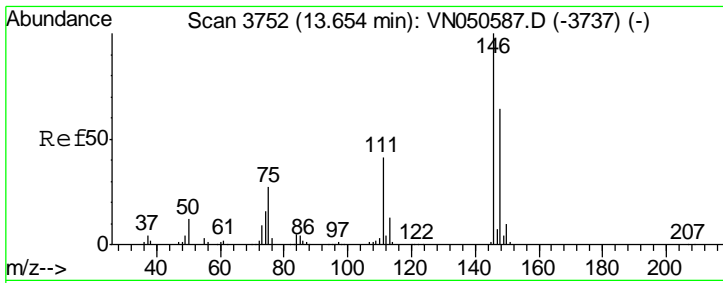
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#90
 Hexachloroethane
 Concen: 47.23 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
117	262840		
117	100		
201	94.7	45.5	136.5



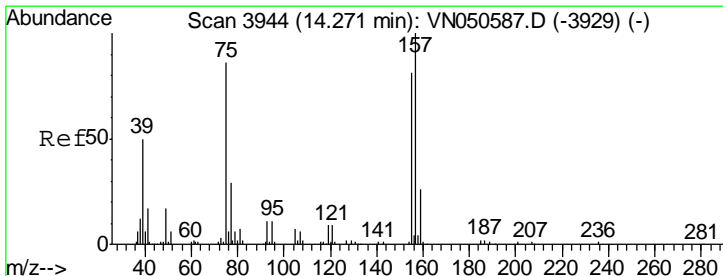
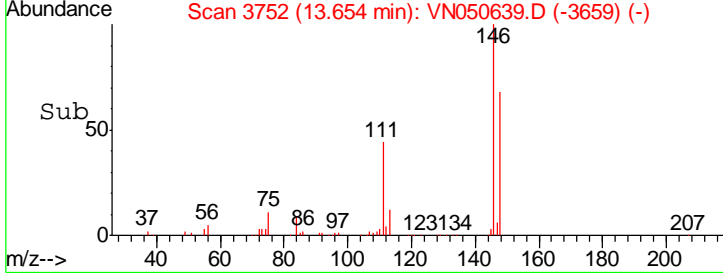
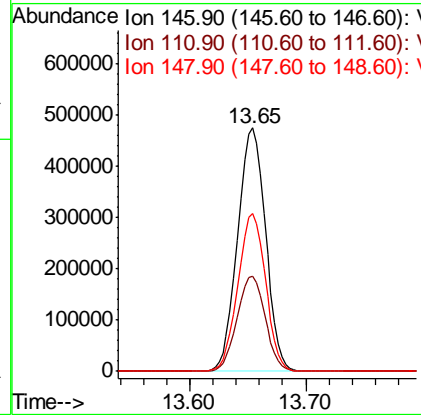
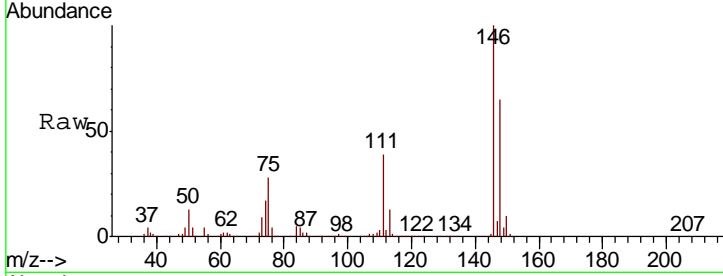


#91
 1,2-Dichlorobenzene
 Concen: 48.91 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

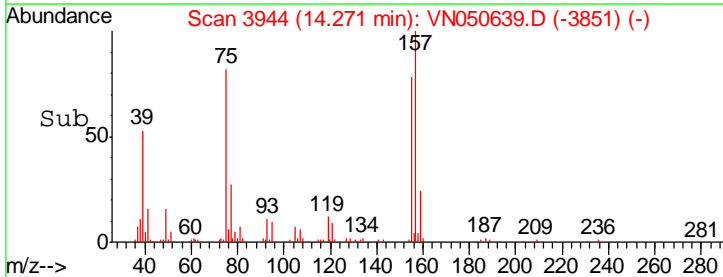
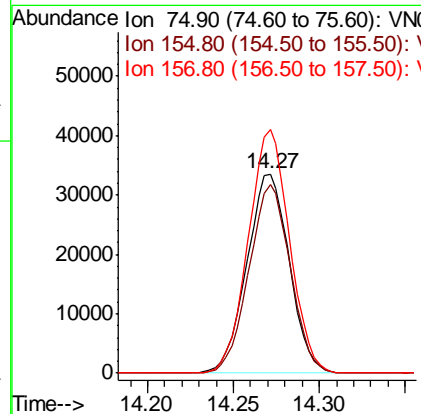
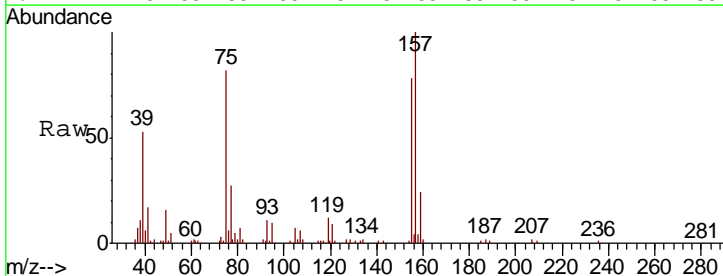
Tgt Ion	Resp	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	64.1	32.3	96.8

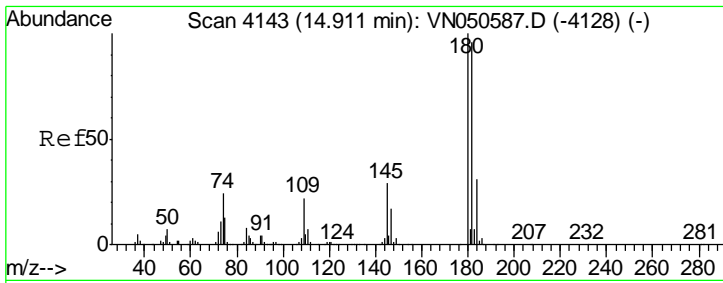
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.74 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
75	100		
155	92.2	46.6	139.8
157	118.7	58.1	174.2



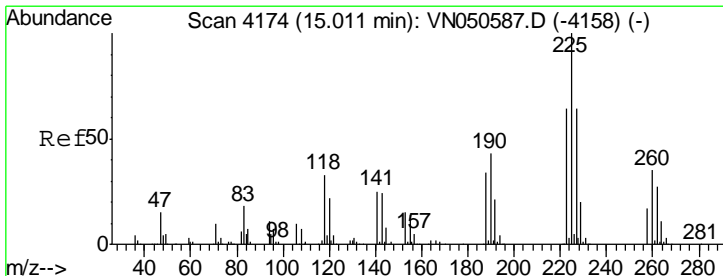
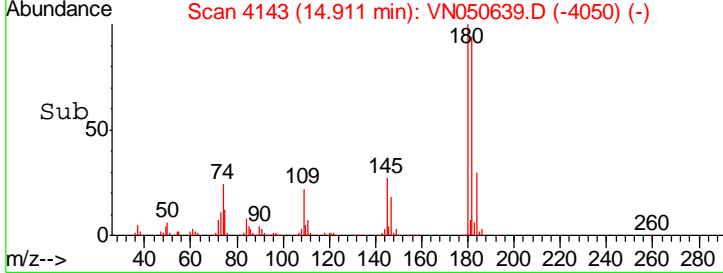
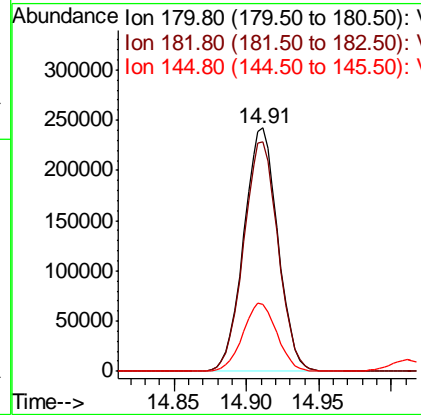
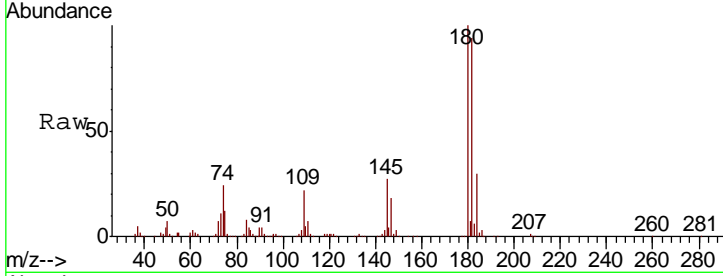


#93
 1,2,4-Trichlorobenzene
 Concen: 47.55 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 ClientSampled : VSTDCCC050

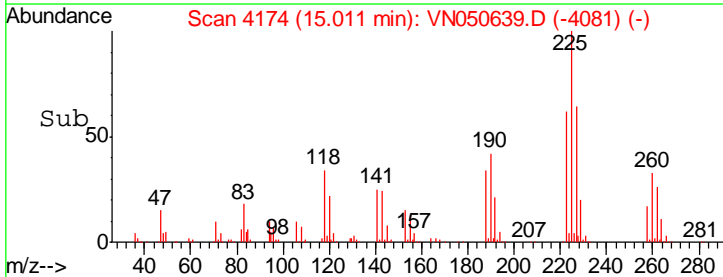
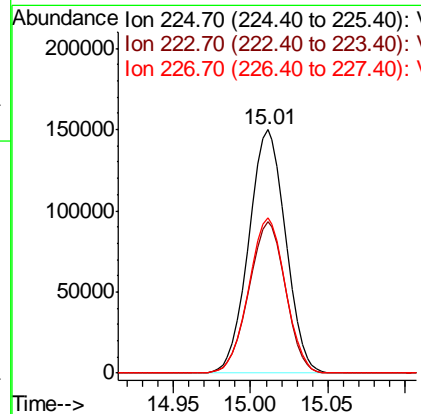
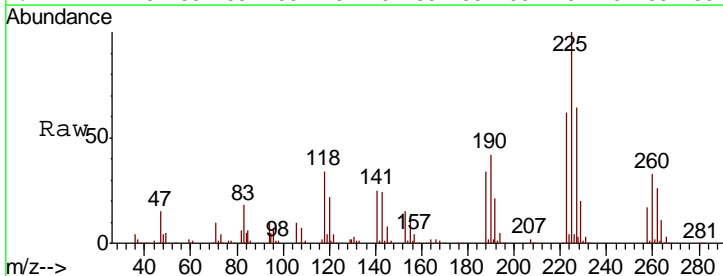
Tgt Ion	Resp	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	28.1	14.4	43.4

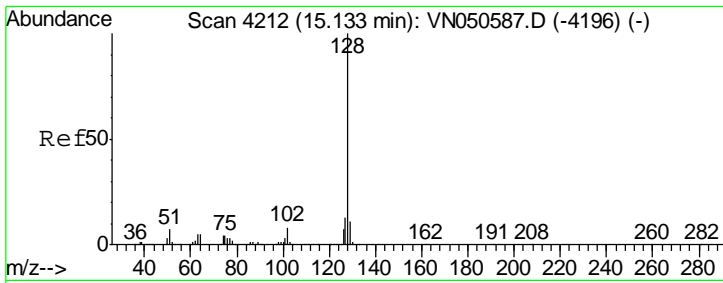
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#94
 Hexachlorobutadiene
 Concen: 50.11 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
225	100		
223	61.7	32.1	96.3
227	63.4	32.0	96.2



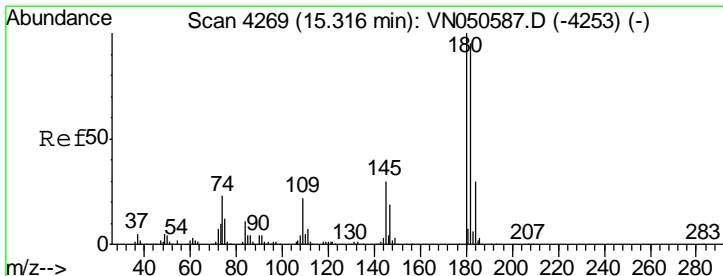
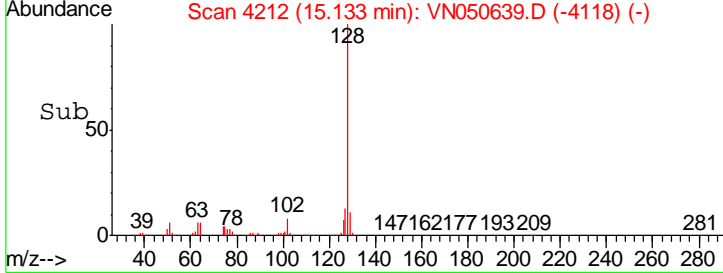
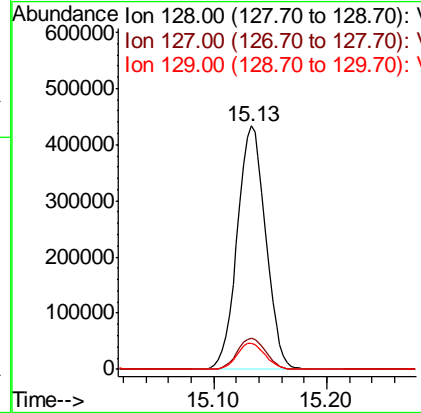
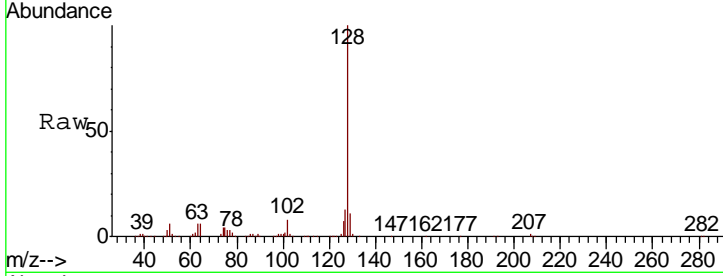


#95
 Naphthalene
 Concen: 43.38 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Instrument : MSVOA_N
 Client Sampled : VSTDC050

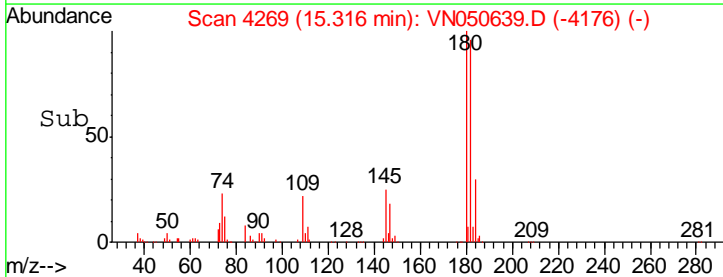
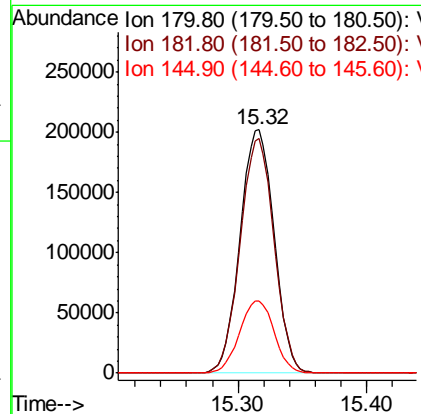
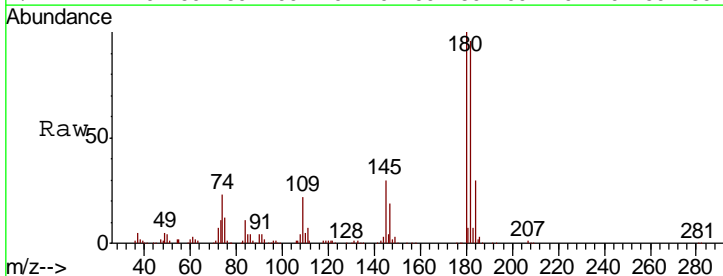
Tgt Ion	Resp	Lower	Upper
128	758221		
127	12.9	10.3	15.5
129	10.7	8.5	12.7

Manual Integrations APPROVED
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#96
 1,2,3-Trichlorobenzene
 Concen: 47.85 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050639.D
 Acq: 15 Aug 2018 8:26

Tgt Ion	Resp	Lower	Upper
180	371296		
182	95.9	47.3	141.8
145	30.2	14.6	44.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	104	0.00
2 T	Dichlorodifluoromethane	0.564	0.508	9.9	97	0.00
3 P	Chloromethane	0.769	0.643	16.4	99	0.00
4 C	Vinyl Chloride	0.749	0.670	10.5#	98	0.00
5 T	Bromomethane	0.484	0.389	19.6	99	0.00
6 T	Chloroethane	0.470	0.406	13.6	100	0.00
7 T	Trichlorofluoromethane	0.983	0.880	10.5	101	0.00
8 T	Diethyl Ether	0.327	0.291	11.0	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.594	0.553	6.9	103	0.00
10 T	Methyl Iodide	0.384	0.401	-4.4	114	0.00
11 T	Tert butyl alcohol	0.034	0.029	14.7	92	0.00
12 CM	1,1-Dichloroethene	0.543	0.493	9.2#	99	0.00
13 T	Acrolein	0.014	0.010	28.6#	87	0.00
14 T	Allyl chloride	0.844	0.783	7.2	100	0.00
15 T	Acrylonitrile	0.189	0.168	11.1	94	0.00
16 T	Acetone	0.174	0.164	5.7	110	0.00
17 T	Carbon Disulfide	1.707	1.556	8.8	101	0.00
18 T	Methyl Acetate	0.591	0.399	32.5#	96	0.00
19 T	Methyl tert-butyl Ether	1.381	1.298	6.0	97	0.00
20 T	Methylene Chloride	0.685	0.576	15.9	99	0.00
21 T	trans-1,2-Dichloroethene	0.588	0.546	7.1	100	0.00
22 T	Diisopropyl ether	1.730	1.685	2.6	99	0.00
23 T	Vinyl Acetate	1.132	1.101	2.7	97	0.00
24 P	1,1-Dichloroethane	1.120	1.006	10.2	100	0.00
25 T	2-Butanone	0.258	0.242	6.2	99	0.00
26 T	2,2-Dichloropropane	0.749	0.818	-9.2	124	0.00
27 T	cis-1,2-Dichloroethene	0.655	0.606	7.5	100	0.00
28 T	Bromochloromethane	0.510	0.478	6.3	101	0.00
29 T	Tetrahydrofuran	0.135	0.124	8.1	94	0.00
30 C	Chloroform	1.135	1.010	11.0#	100	0.00
31 T	Cyclohexane	1.095	0.918	16.2	100	0.00
32 T	1,1,1-Trichloroethane	0.955	0.864	9.5	99	0.00
33 S	1,2-Dichloroethane-d4	0.630	0.570	9.5	95	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35 S	Dibromofluoromethane	0.399	0.390	2.3	96	0.00
36 T	1,1-Dichloropropene	0.557	0.573	-2.9	101	0.00
37 T	Ethyl Acetate	0.315	0.313	0.6	96	0.00
38 T	Carbon Tetrachloride	0.577	0.564	2.3	101	0.00
39 T	Methylcyclohexane	0.576	0.646	-12.2	104	0.00
40 TM	Benzene	1.693	1.715	-1.3	100	0.00
41 T	Methacrylonitrile	0.170	0.168	1.2	92	0.00
42 TM	1,2-Dichloroethane	0.519	0.507	2.3	99	0.00
43 T	Isopropyl Acetate	0.573	0.543	5.2	94	0.00
44 TM	Trichloroethene	0.454	0.448	1.3	100	0.00
45 C	1,2-Dichloropropane	0.451	0.444	1.6#	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.266	0.257	3.4	100	0.00
47 T	Bromodichloromethane	0.569	0.562	1.2	100	0.00
48 T	Methyl methacrylate	0.289	0.275	4.8	95	0.00
49 T	1,4-Dioxane	0.004	0.004	0.0	95	0.00
50 S	Toluene-d8	1.502	1.487	1.0	97	0.00
51 T	4-Methyl-2-Pentanone	0.388	0.385	0.8	95	0.00
52 CM	Toluene	1.011	1.055	-4.4#	100	0.00
53 T	t-1,3-Dichloropropene	0.530	0.559	-5.5	102	0.00
54 T	cis-1,3-Dichloropropene	0.608	0.657	-8.1	103	0.00
55 T	1,1,2-Trichloroethane	0.378	0.366	3.2	98	0.00
56 T	Ethyl methacrylate	0.427	0.447	-4.7	95	0.00
57 T	1,3-Dichloropropane	0.619	0.621	-0.3	99	0.00
58 T	2-Chloroethyl Vinyl ether	0.200	0.214	-7.0	95	0.00
59 T	2-Hexanone	0.250	0.256	-2.4	95	0.00
60 T	Dibromochloromethane	0.417	0.423	-1.4	100	0.00
61 T	1,2-Dibromoethane	0.360	0.361	-0.3	98	0.00
62 S	4-Bromofluorobenzene	0.496	0.495	0.2	97	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64 T	Tetrachloroethene	0.464	0.454	2.2	98	0.00
65 PM	Chlorobenzene	1.244	1.248	-0.3	101	0.00
66 T	1,1,1,2-Tetrachloroethane	0.466	0.459	1.5	100	0.00
67 C	Ethyl Benzene	2.009	2.162	-7.6#	101	0.00
68 T	m/p-Xylenes	0.768	0.838	-9.1	101	0.00
69 T	o-Xylene	0.733	0.785	-7.1	99	0.00
70 T	Styrene	1.177	1.308	-11.1	101	0.00
71 P	Bromoform	0.309	0.305	1.3	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73 T	Isopropylbenzene	3.907	4.072	-4.2	101	0.00
74 T	N-amyl acetate	1.016	0.970	4.5	94	0.00
75 P	1,1,2,2-Tetrachloroethane	1.068	0.925	13.4	98	0.00
76 T	1,2,3-Trichloropropane	0.899	0.734	18.4	94	0.00
77 T	Bromobenzene	1.061	1.017	4.1	99	0.00
78 T	n-propylbenzene	4.356	4.718	-8.3	102	0.00
79 T	2-Chlorotoluene	2.716	2.761	-1.7	100	0.00
80 T	1,3,5-Trimethylbenzene	3.128	3.389	-8.3	102	0.00
81 T	trans-1,4-Dichloro-2-butene	0.225	0.229	-1.8	103	0.00
82 T	4-Chlorotoluene	2.684	2.820	-5.1	101	0.00
83 T	tert-Butylbenzene	2.715	2.837	-4.5	102	0.00
84 T	1,2,4-Trimethylbenzene	3.139	3.446	-9.8	102	0.00
85 T	sec-Butylbenzene	3.548	3.825	-7.8	102	0.00
86 T	p-Isopropyltoluene	3.006	3.367	-12.0	103	0.00
87 T	1,3-Dichlorobenzene	1.806	1.815	-0.5	101	0.00
88 T	1,4-Dichlorobenzene	1.792	1.763	1.6	100	0.00
89 T	n-Butylbenzene	2.428	2.719	-12.0	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.605	0.571	5.6	102	0.00
91 T	1,2-Dichlorobenzene	1.762	1.723	2.2	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.139	0.125	10.1	92	0.00
93 T	1,2,4-Trichlorobenzene	0.767	0.857	-11.7	99	0.00
94 T	Hexachlorobutadiene	0.540	0.541	-0.2	107	0.00
95 T	Naphthalene	1.531	1.647	-7.6	92	0.00
96 T	1,2,3-Trichlorobenzene	0.745	0.807	-8.3	97	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	104	0.00
2 T	Dichlorodifluoromethane	50.000	45.075	9.8	97	0.00
3 P	Chloromethane	50.000	46.795	6.4	99	0.00
4 C	Vinyl Chloride	50.000	44.734	10.5#	98	0.00
5 T	Bromomethane	50.000	48.285	3.4	99	0.00
6 T	Chloroethane	50.000	48.733	2.5	100	0.00
7 T	Trichlorofluoromethane	50.000	44.783	10.4	101	0.00
8 T	Diethyl Ether	50.000	44.583	10.8	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.508	7.0	103	0.00
10 T	Methyl Iodide	50.000	47.776	4.4	114	0.00
11 T	Tert butyl alcohol	250.000	213.862	14.5	92	0.00
12 CM	1,1-Dichloroethene	50.000	45.443	9.1#	99	0.00
13 T	Acrolein	250.000	197.789	20.9#	87	0.00
14 T	Allyl chloride	50.000	46.387	7.2	100	0.00
15 T	Acrylonitrile	250.000	222.784	10.9	94	0.00
16 T	Acetone	250.000	260.237	-4.1	110	0.00
17 T	Carbon Disulfide	50.000	45.558	8.9	101	0.00
18 T	Methyl Acetate	50.000	44.987	10.0	96	0.00
19 T	Methyl tert-butyl Ether	50.000	47.016	6.0	97	0.00
20 T	Methylene Chloride	50.000	48.007	4.0	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.385	7.2	100	0.00
22 T	Diisopropyl ether	50.000	48.704	2.6	99	0.00
23 T	Vinyl Acetate	250.000	243.149	2.7	97	0.00
24 P	1,1-Dichloroethane	50.000	44.911	10.2	100	0.00
25 T	2-Butanone	250.000	233.682	6.5	99	0.00
26 T	2,2-Dichloropropane	50.000	54.578	-9.2	124	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.284	7.4	100	0.00
28 T	Bromochloromethane	50.000	46.929	6.1	101	0.00
29 T	Tetrahydrofuran	250.000	228.893	8.4	94	0.00
30 C	Chloroform	50.000	44.527	10.9#	100	0.00
31 T	Cyclohexane	50.000	48.034	3.9	100	0.00
32 T	1,1,1-Trichloroethane	50.000	45.217	9.6	99	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.191	9.6	95	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35 S	Dibromofluoromethane	50.000	48.796	2.4	96	0.00
36 T	1,1-Dichloropropene	50.000	51.460	-2.9	101	0.00
37 T	Ethyl Acetate	50.000	49.726	0.5	96	0.00
38 T	Carbon Tetrachloride	50.000	48.875	2.3	101	0.00
39 T	Methylcyclohexane	50.000	56.018	-12.0	104	0.00
40 TM	Benzene	50.000	50.649	-1.3	100	0.00
41 T	Methacrylonitrile	50.000	49.278	1.4	92	0.00
42 TM	1,2-Dichloroethane	50.000	48.844	2.3	99	0.00
43 T	Isopropyl Acetate	50.000	47.313	5.4	94	0.00
44 TM	Trichloroethene	50.000	49.374	1.3	100	0.00
45 C	1,2-Dichloropropane	50.000	49.265	1.5#	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	48.358	3.3	100	0.00
47 T	Bromodichloromethane	50.000	49.395	1.2	100	0.00
48 T	Methyl methacrylate	50.000	47.643	4.7	95	0.00
49 T	1,4-Dioxane	1000.000	967.638	3.2	95	0.00
50 S	Toluene-d8	50.000	49.488	1.0	97	0.00
51 T	4-Methyl-2-Pentanone	250.000	248.123	0.8	95	0.00
52 CM	Toluene	50.000	52.155	-4.3#	100	0.00
53 T	t-1,3-Dichloropropene	50.000	52.708	-5.4	102	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.016	-8.0	103	0.00
55 T	1,1,2-Trichloroethane	50.000	48.425	3.2	98	0.00
56 T	Ethyl methacrylate	50.000	46.514	7.0	95	0.00
57 T	1,3-Dichloropropane	50.000	50.114	-0.2	99	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	232.388	7.0	95	0.00
59 T	2-Hexanone	250.000	255.846	-2.3	95	0.00
60 T	Dibromochloromethane	50.000	50.715	-1.4	100	0.00
61 T	1,2-Dibromoethane	50.000	50.209	-0.4	98	0.00
62 S	4-Bromofluorobenzene	50.000	49.860	0.3	97	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64 T	Tetrachloroethene	50.000	48.860	2.3	98	0.00
65 PM	Chlorobenzene	50.000	50.136	-0.3	101	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.192	1.6	100	0.00
67 C	Ethyl Benzene	50.000	53.811	-7.6#	101	0.00
68 T	m/p-Xylenes	100.000	109.066	-9.1	101	0.00
69 T	o-Xylene	50.000	53.544	-7.1	99	0.00
70 T	Styrene	50.000	50.192	-0.4	101	0.00
71 P	Bromoform	50.000	49.350	1.3	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73 T	Isopropylbenzene	50.000	52.114	-4.2	101	0.00
74 T	N-amyl acetate	50.000	47.712	4.6	94	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.053	-2.1	98	0.00
76 T	1,2,3-Trichloropropane	50.000	45.351	9.3	94	0.00
77 T	Bromobenzene	50.000	47.963	4.1	99	0.00
78 T	n-propylbenzene	50.000	54.150	-8.3	102	0.00
79 T	2-Chlorotoluene	50.000	50.831	-1.7	100	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.176	-8.4	102	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.978	-2.0	103	0.00
82 T	4-Chlorotoluene	50.000	52.530	-5.1	101	0.00
83 T	tert-Butylbenzene	50.000	52.245	-4.5	102	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.890	-9.8	102	0.00
85 T	sec-Butylbenzene	50.000	53.909	-7.8	102	0.00
86 T	p-Isopropyltoluene	50.000	55.991	-12.0	103	0.00
87 T	1,3-Dichlorobenzene	50.000	50.271	-0.5	101	0.00
88 T	1,4-Dichlorobenzene	50.000	49.187	1.6	100	0.00
89 T	n-Butylbenzene	50.000	55.990	-12.0	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050639.D
 Acq On : 15 Aug 2018 8:26
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 16 01:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	47.228	5.5	102	0.00
91 T	1,2-Dichlorobenzene	50.000	48.908	2.2	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.744	10.5	92	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.551	4.9	99	0.00
94 T	Hexachlorobutadiene	50.000	50.112	-0.2	107	0.00
95 T	Naphthalene	50.000	43.380	13.2	92	0.00
96 T	1,2,3-Trichlorobenzene	50.000	47.849	4.3	97	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

QC SAMPLE
DATA

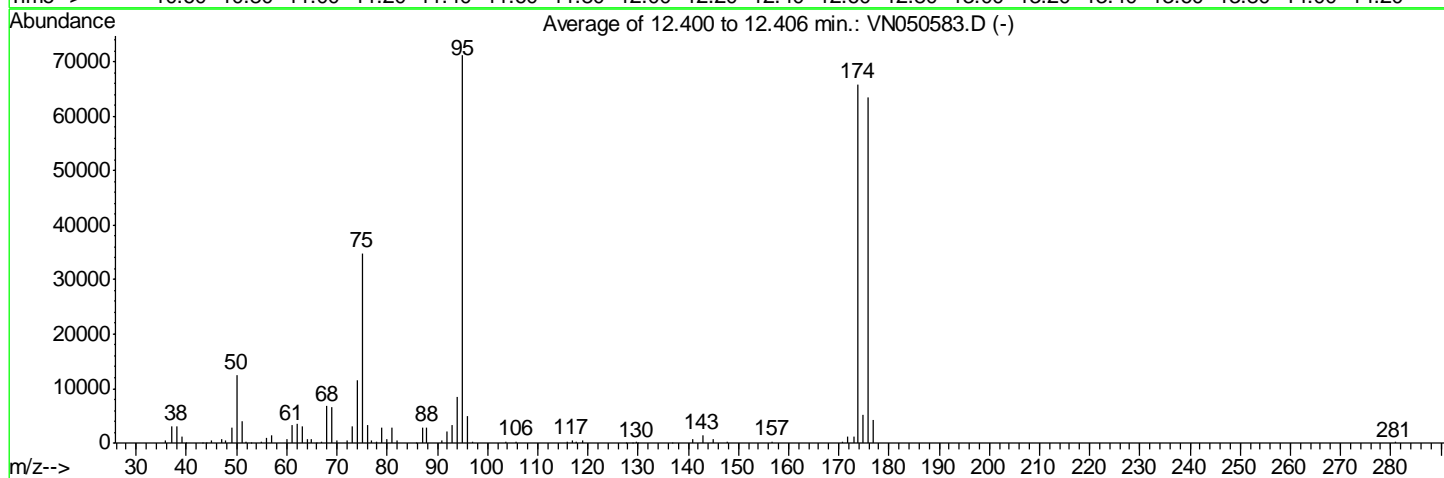
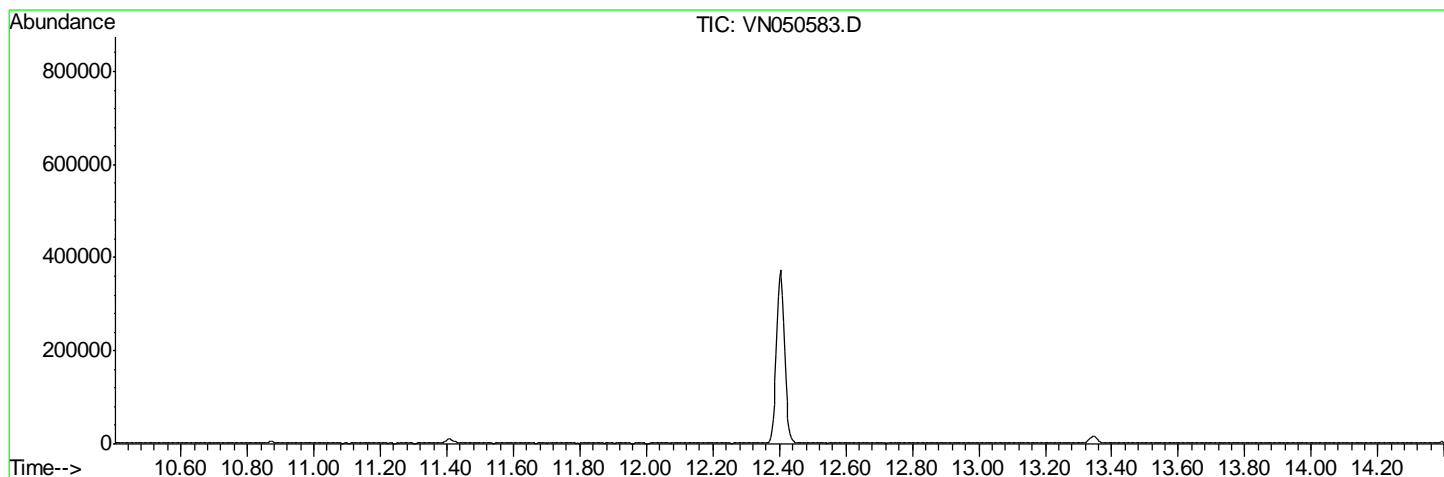
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050583.D
 Acq On : 13 Aug 2018 22:57
 Operator : MD\SY
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260
 Last Update : Tue Aug 14 08:07:08 2018



AutoFind: Scans 3362, 3363, 3364; Background Corrected with Scan 3348

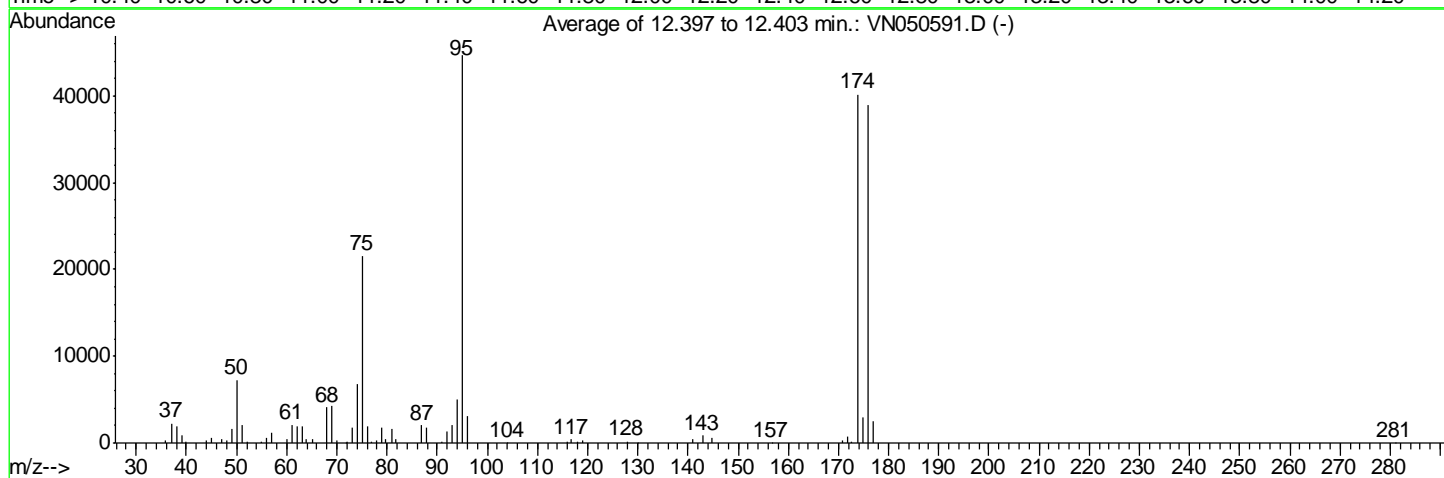
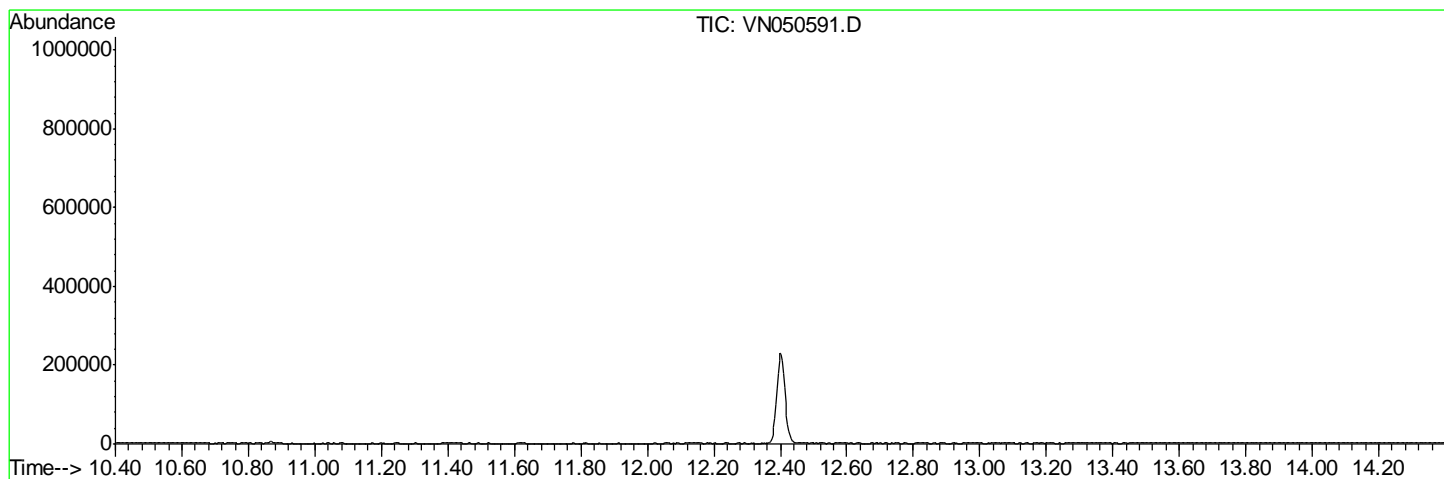
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75	95	30	60	49.0	34869	PASS
95	95	100	100	100.0	71216	PASS
96	95	5	9	6.9	4919	PASS
173	174	0.00	2	1.6	1083	PASS
174	95	50	100	92.5	65901	PASS
175	174	5	9	8.0	5274	PASS
176	174	95	101	96.2	63424	PASS
177	176	5	9	6.5	4125	PASS

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050591.D
 Acq On : 14 Aug 2018 10:11
 Operator : MD\SY
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260
 Last Update : Tue Aug 14 08:07:08 2018



AutoFind: Scans 3361, 3362, 3363; Background Corrected with Scan 3348

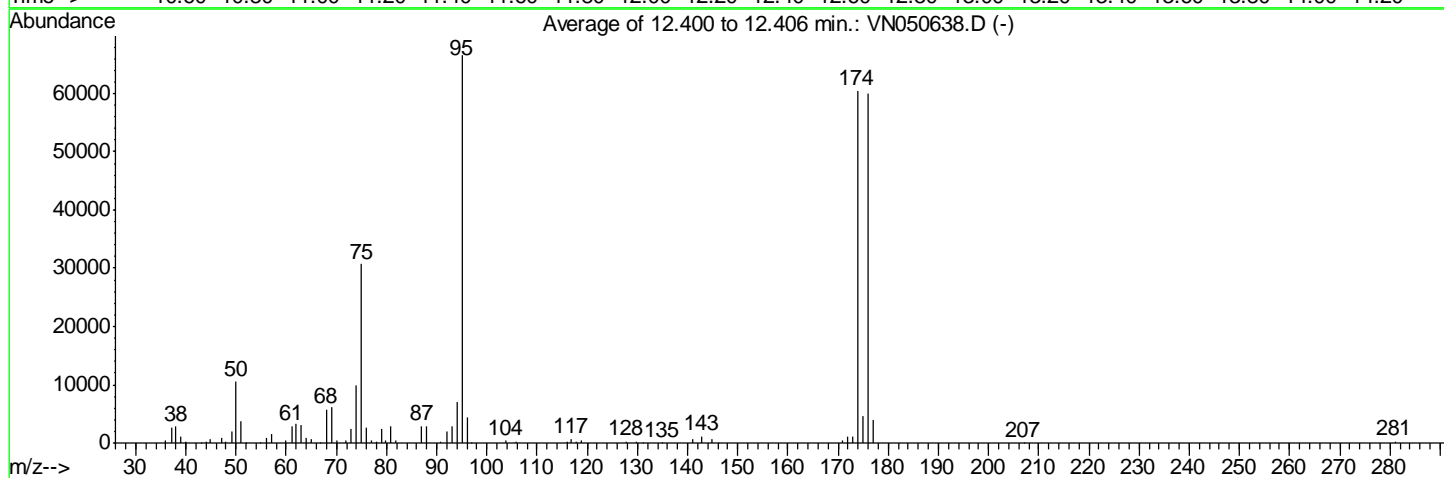
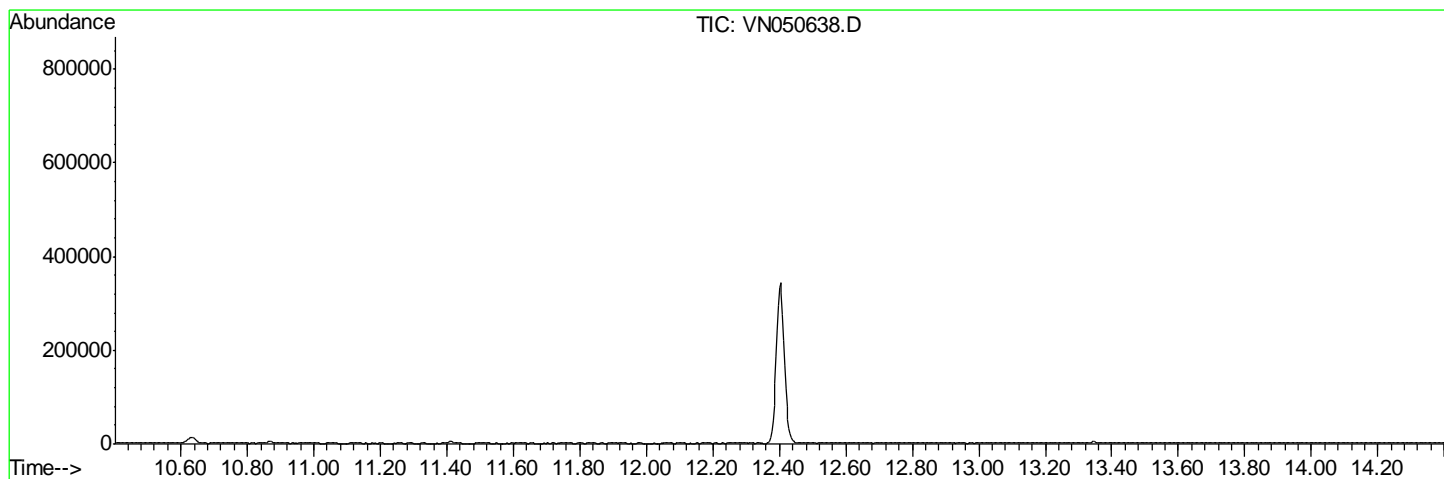
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.2	7249	PASS
75	95	30	60	48.4	21621	PASS
95	95	100	100	100.0	44688	PASS
96	95	5	9	6.9	3096	PASS
173	174	0.00	2	0.4	163	PASS
174	95	50	100	89.8	40136	PASS
175	174	5	9	7.5	3011	PASS
176	174	95	101	97.2	39005	PASS
177	176	5	9	6.4	2494	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081518\
 Data File : VN050638.D
 Acq On : 15 Aug 2018 7:55
 Operator : MD\SY
 Sample : BFB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260
 Last Update : Tue Aug 14 08:07:08 2018



AutoFind: Scans 3362, 3363, 3364; Background Corrected with Scan 3349

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.8	10541	PASS
75	95	30	60	46.2	30752	PASS
95	95	100	100	100.0	66544	PASS
96	95	5	9	6.6	4366	PASS
173	174	0.00	2	1.8	1080	PASS
174	95	50	100	90.8	60437	PASS
175	174	5	9	7.8	4708	PASS
176	174	95	101	99.1	59909	PASS
177	176	5	9	6.6	3952	PASS



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBL01	SDG No.:	J4469
Lab Sample ID:	VN0814WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050593.D	1		08/14/18 11:22	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBL01	SDG No.:	J4469
Lab Sample ID:	VN0814WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050593.D	1		08/14/18 11:22	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.3		61 - 141		113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		69 - 133		108%	SPK: 50
2037-26-5	Toluene-d8	50.6		65 - 126		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.1		58 - 135		78%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	720282	7.67				
540-36-3	1,4-Difluorobenzene	1131080	8.59				
3114-55-4	Chlorobenzene-d5	923538	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	313004	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBL01	SDG No.:	J4469
Lab Sample ID:	VN0814WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050593.D	1		08/14/18 11:22	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050593.D
 Acq On : 14 Aug 2018 11:22
 Operator : MD\SY
 Sample : VN0814WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

Quant Time: Aug 15 08:29:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	720282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1131077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	313004	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	511395	56.33	ug/l	0.00
Spiked Amount						
						Recovery = 112.66%
35) Dibromofluoromethane	7.59	113	486427	53.87	ug/l	0.00
Spiked Amount						
						Recovery = 107.74%
50) Toluene-d8	10.09	98	1720404	50.62	ug/l	0.00
Spiked Amount						
						Recovery = 101.24%
62) 4-Bromofluorobenzene	12.40	95	438830	39.09	ug/l	0.00
Spiked Amount						
						Recovery = 78.18%

Target Compounds

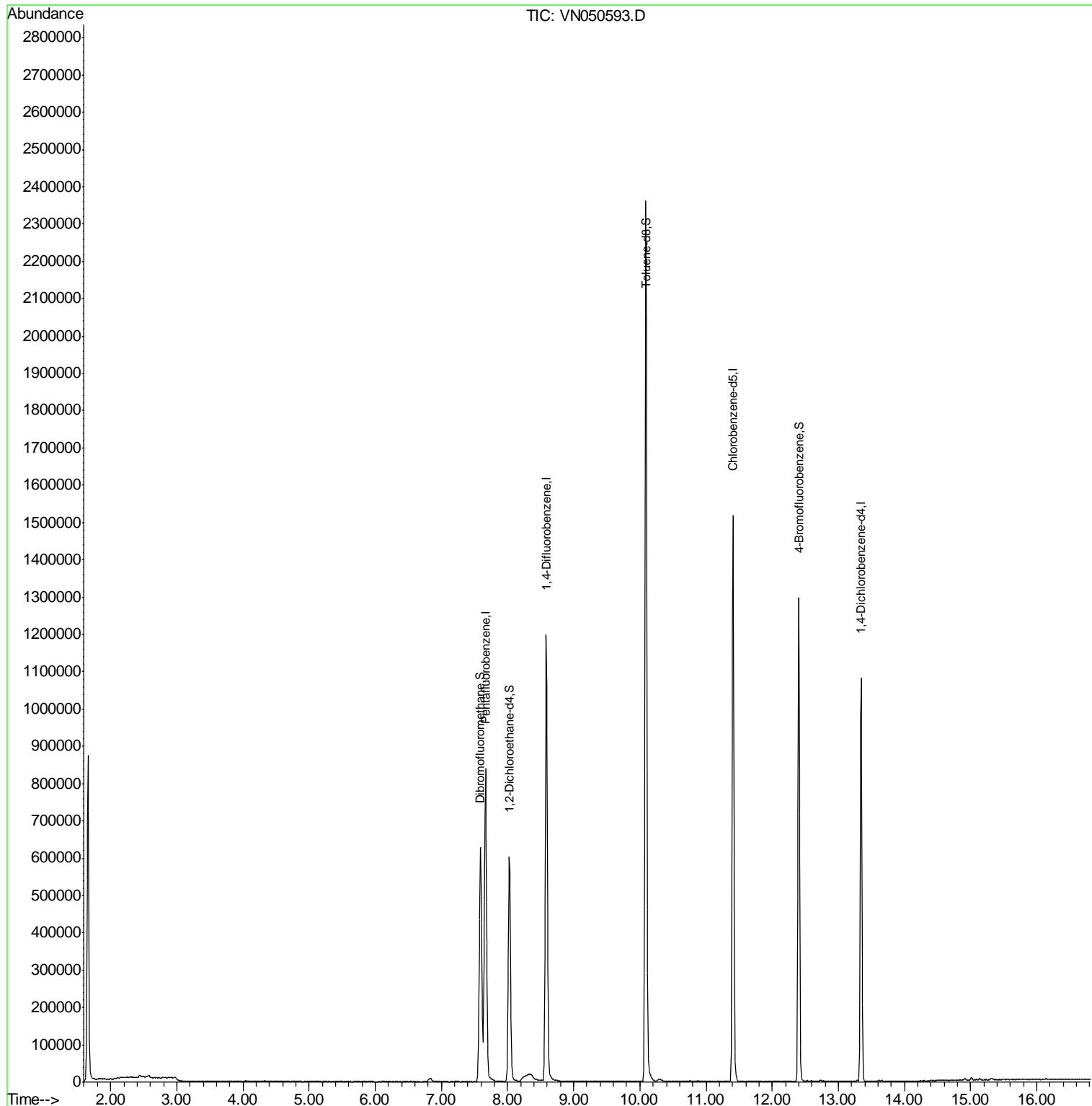
Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

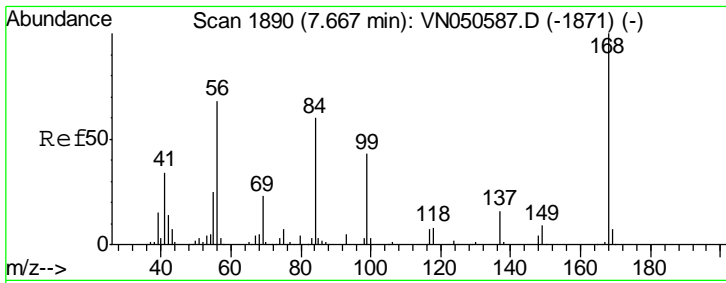
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 Data File : VN050593.D
 Acq On : 14 Aug 2018 11:22
 Operator : MD\SY
 Sample : VN0814WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

Quant Time: Aug 15 08:29:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



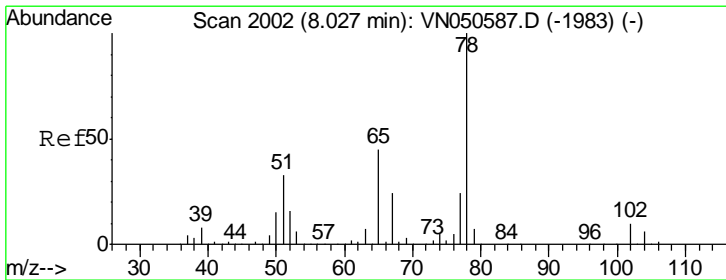
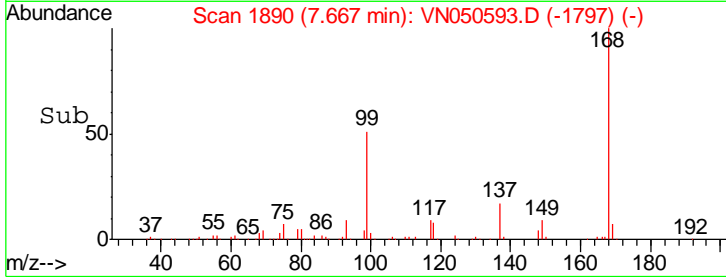
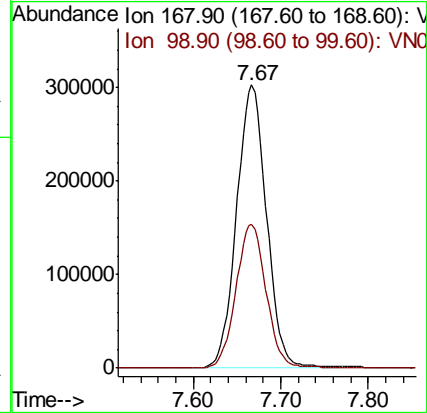
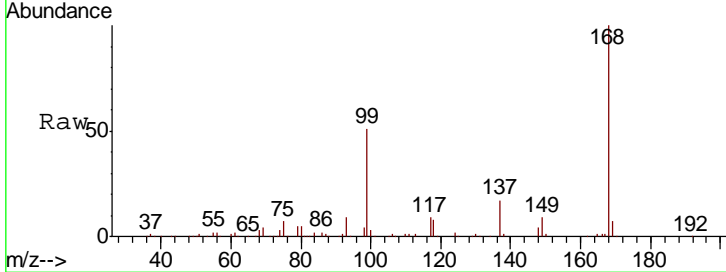
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

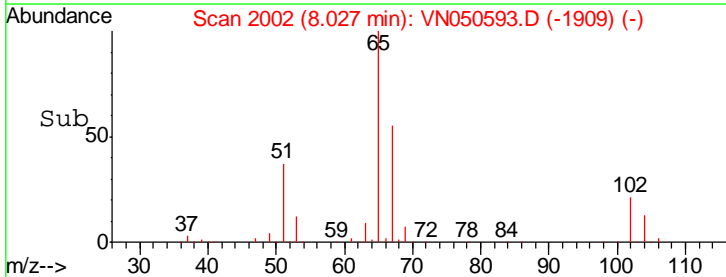
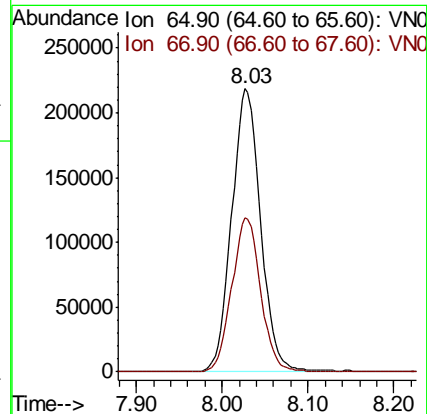
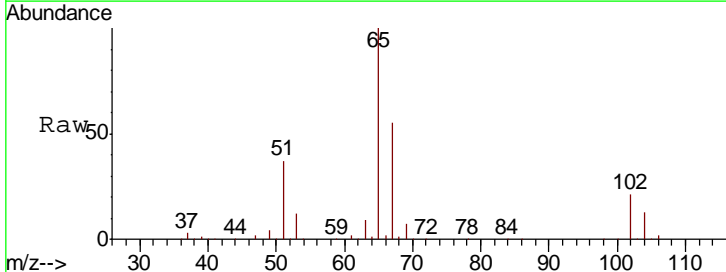
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

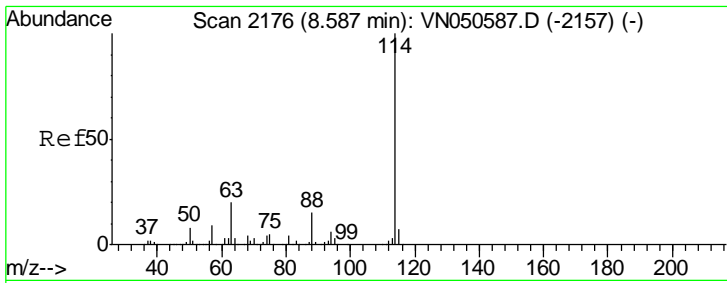
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.8	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 56.33 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

Tgt Ion	Resp	Lower	Upper
65	100		
67	54.2	0.0	109.8

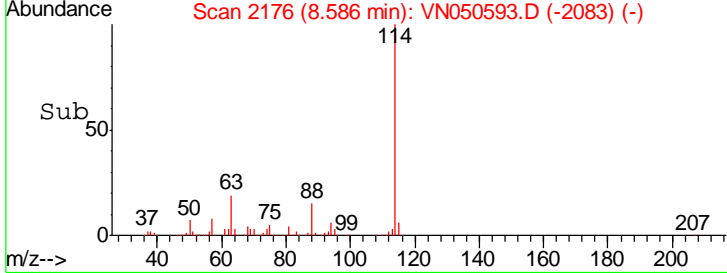
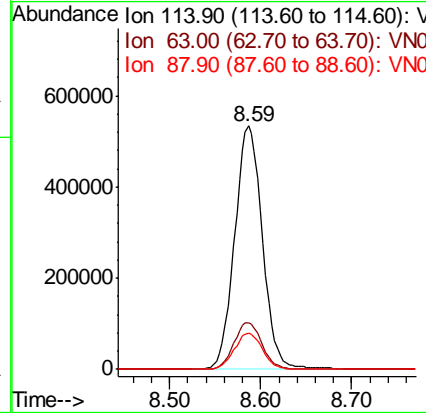
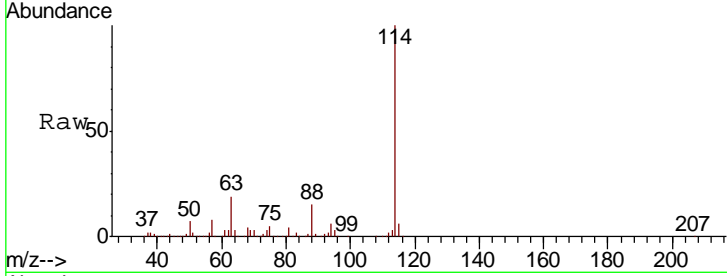




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

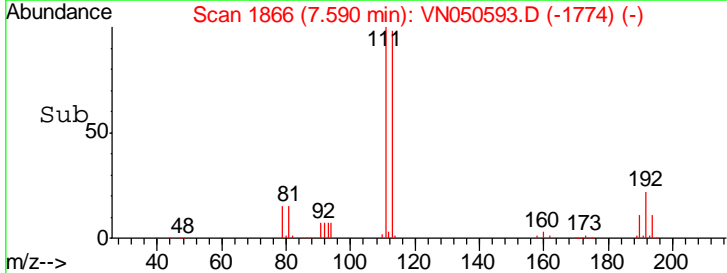
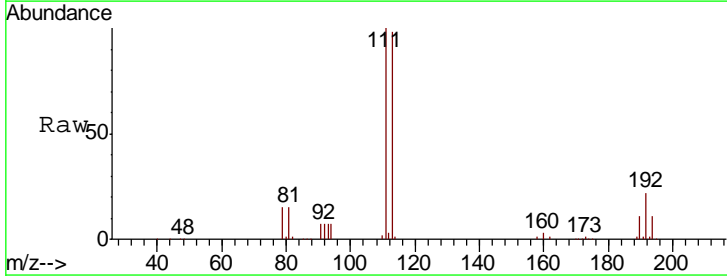
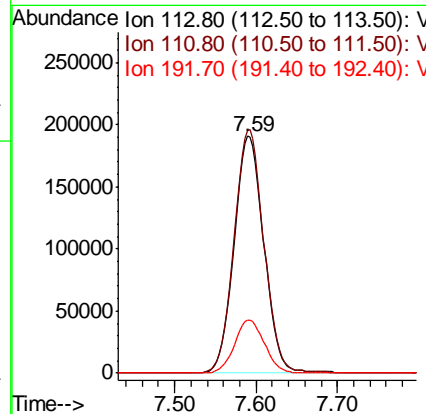
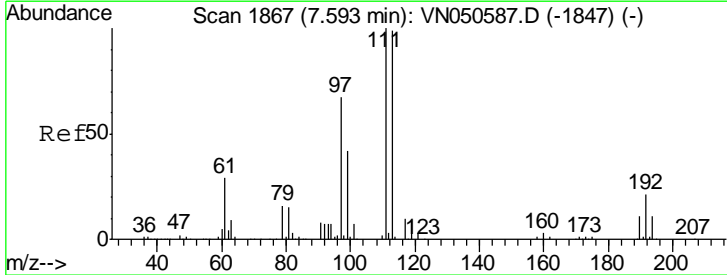
Instrument : MSVOA_N
 ClientSampled : VN0814WBL01

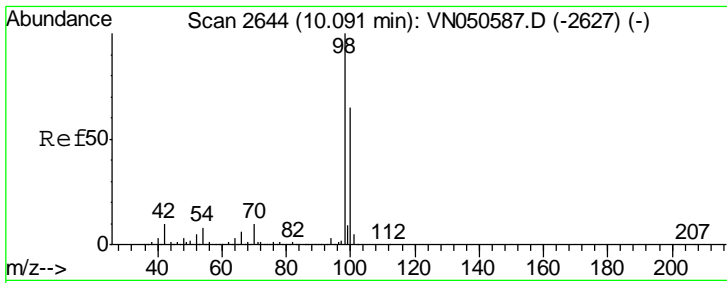
Tgt Ion	Resp	Lower	Upper
114	1131077		
63	19.2	0.0	40.0
88	14.9	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 53.87 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

Tgt Ion	Resp	Lower	Upper
113	486427		
111	102.9	81.0	121.6
192	22.5	17.6	26.4



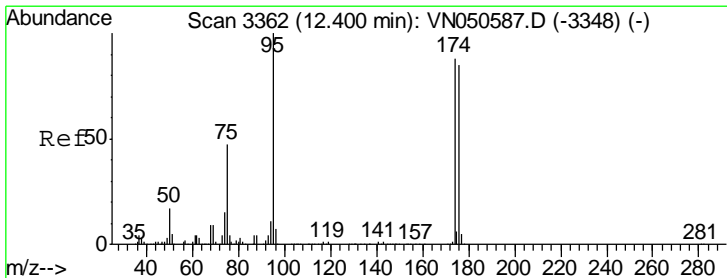
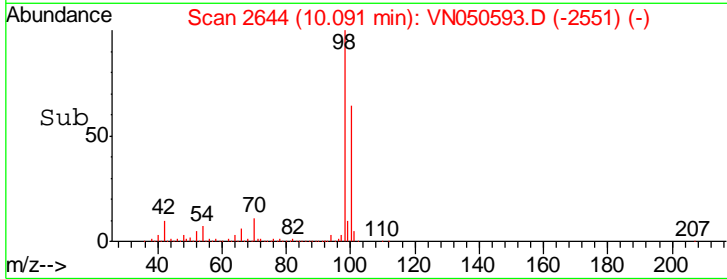
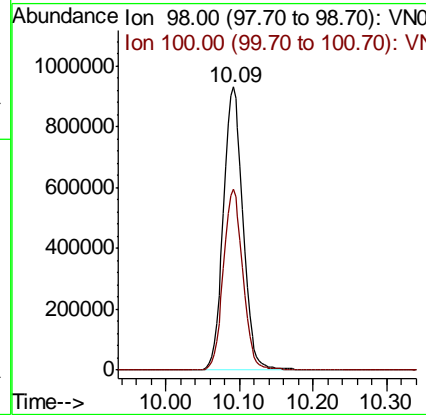
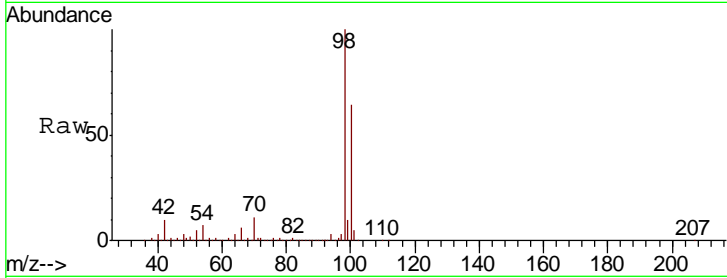


#50
 Toluene-d8
 Concen: 50.62 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBL01

Tgt Ion: 98 Resp: 1720404

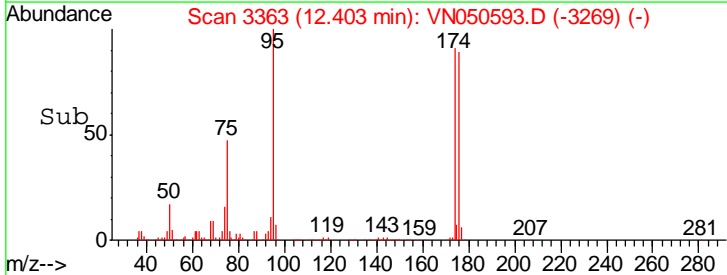
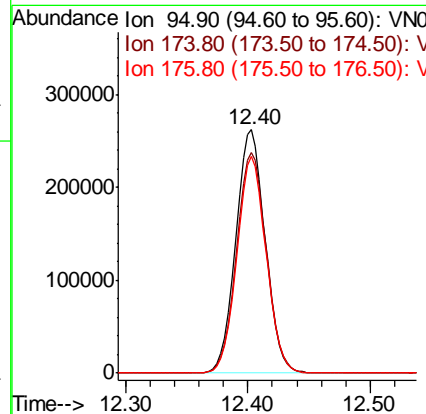
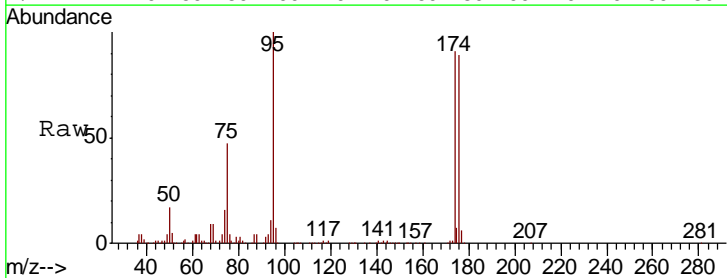
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.8	77.8

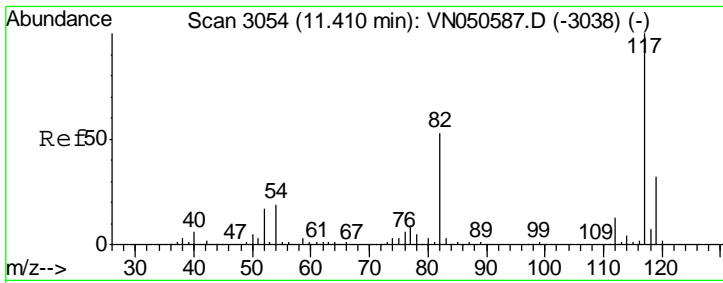


#62
 4-Bromofluorobenzene
 Concen: 39.09 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

Tgt Ion: 95 Resp: 438830

Ion	Ratio	Lower	Upper
95	100		
174	91.9	0.0	177.8
176	88.2	0.0	175.0

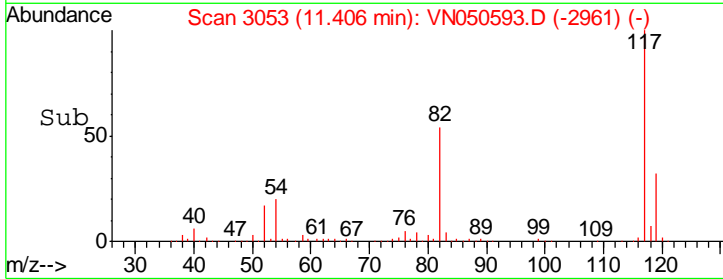
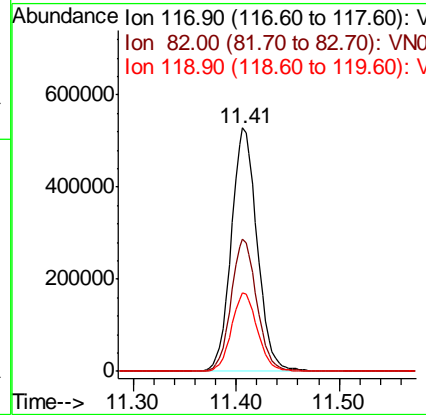
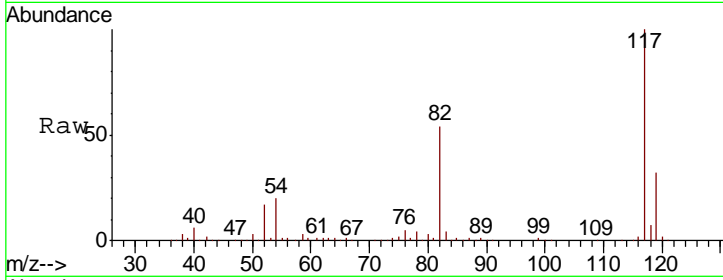




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

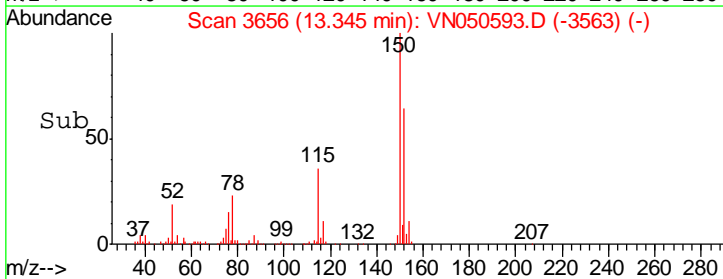
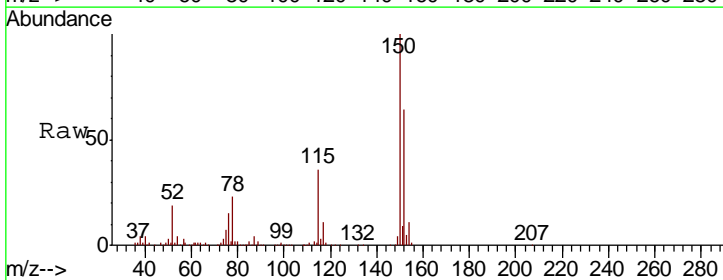
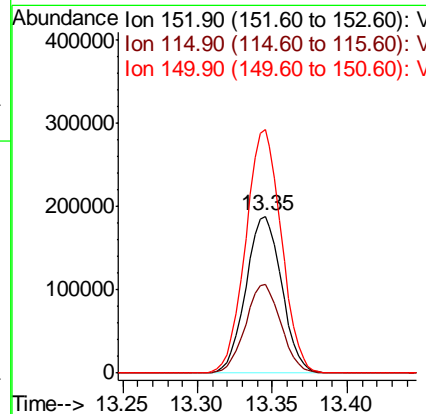
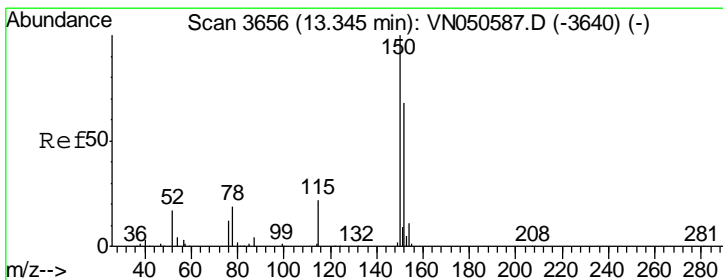
Instrument : MSVOA_N
 ClientSampled : VN0814WBL01

Tgt Ion	Resp	Lower	Upper
117	923538		
82	54.2	42.4	63.6
119	32.1	25.8	38.8



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050593.D
 Acq: 14 Aug 2018 11:22

Tgt Ion	Resp	Lower	Upper
152	313004		
115	56.0	28.1	84.2
150	155.3	0.0	347.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050593.D
 Acq On : 14 Aug 2018 11:22
 Operator : MD\SY
 Sample : VN0814WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.657	3	21	46	rBV	873761	1425438	32.41%	7.127%
2	7.590	1844	1866	1878	rBV	627806	1584125	36.01%	7.921%
3	7.667	1878	1890	1925	rVB	835634	1995991	45.38%	9.980%
4	8.027	1984	2002	2027	rBV	602357	1411662	32.09%	7.059%
5	8.586	2160	2176	2207	rBV	1195725	2541212	57.77%	12.706%
6	10.091	2625	2644	2690	rBV	2361216	4398545	100.00%	21.993%
7	11.406	3039	3053	3078	rBV	1517199	2650301	60.25%	13.252%
8	12.403	3347	3363	3381	rBV	1297559	2188667	49.76%	10.944%
9	13.345	3643	3656	3672	rBV	1079716	1803410	41.00%	9.017%

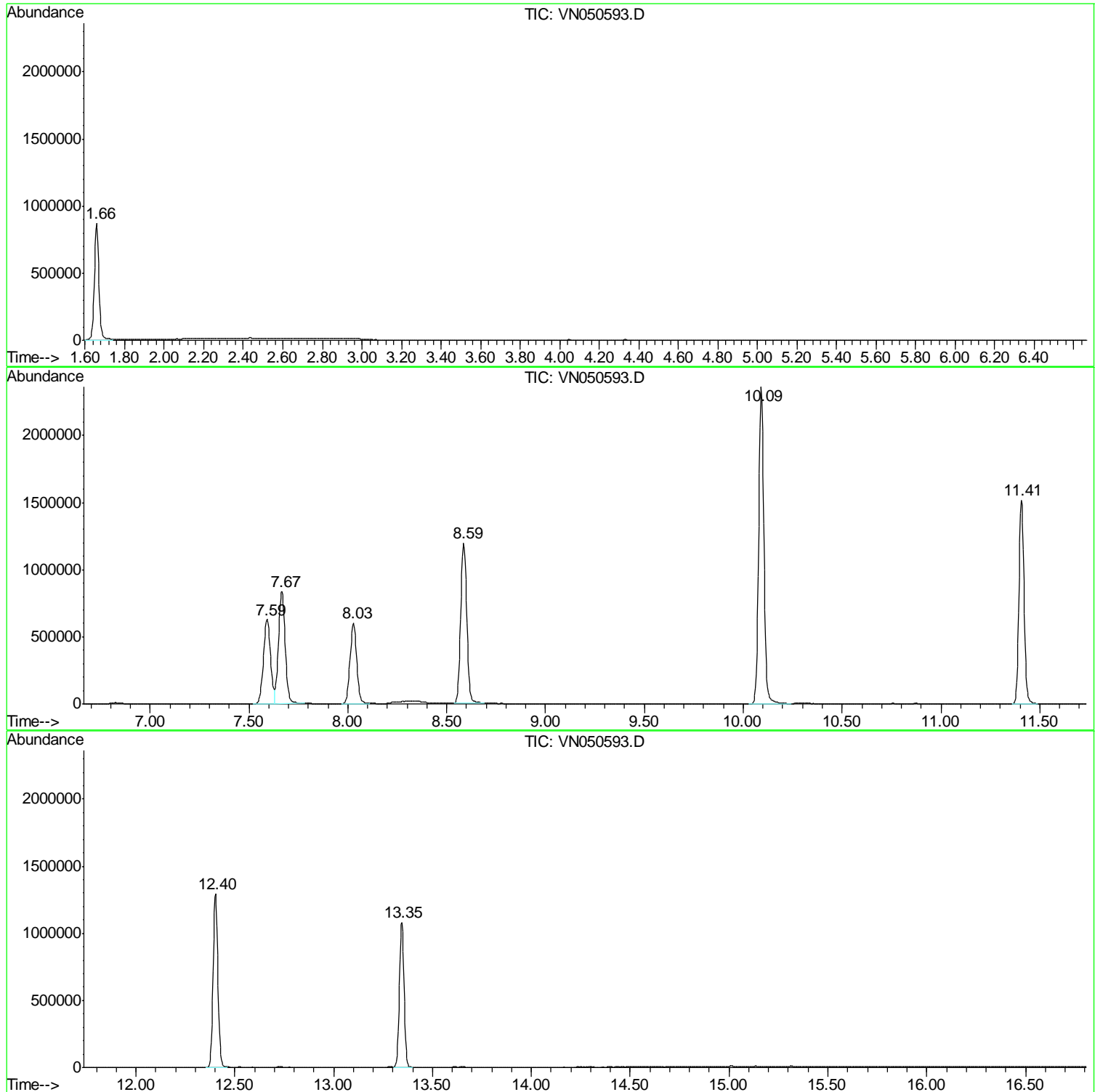
Sum of corrected areas: 19999351

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
Data File : VN050593.D
Acq On : 14 Aug 2018 11:22
Operator : MD\SY
Sample : VN0814WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
Data File : VN050593.D
Acq On : 14 Aug 2018 11:22
Operator : MD\SY
Sample : VN0814WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050593.D
 Acq On : 14 Aug 2018 11:22
 Operator : MD\SY
 Sample : VN0814WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0815WBL01	SDG No.:	J4469
Lab Sample ID:	VN0815WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050640.D	1		08/15/18 09:03	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	1	U	0.2	0.2	1	ug/L
74-87-3	Chloromethane	1	U	0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	1	U	0.2	0.2	1	ug/L
74-83-9	Bromomethane	1	U	0.2	0.2	1	ug/L
75-00-3	Chloroethane	1	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	1	U	0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1	U	0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	1	U	0.2	0.2	1	ug/L
67-64-1	Acetone	5	U	0.5	1	5	ug/L
75-15-0	Carbon Disulfide	1	U	0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	1	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	1	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	1	U	0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	1	U	0.2	0.2	1	ug/L
110-82-7	Cyclohexane	1	U	0.2	0.2	1	ug/L
78-93-3	2-Butanone	5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	1	U	0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	1	U	0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	1	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	1	U	0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	1	U	0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	1	U	0.2	0.2	1	ug/L
71-43-2	Benzene	1	U	0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	1	U	0.2	0.2	1	ug/L
79-01-6	Trichloroethene	1	U	0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	1	U	0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	1	U	0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	5	U	1	1	5	ug/L
108-88-3	Toluene	1	U	0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	1	U	0.2	0.2	1	ug/L

**Report of Analysis**

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrew St. RI		Date Received:	
Client Sample ID:	VN0815WBL01		SDG No.:	J4469
Lab Sample ID:	VN0815WBL01		Matrix:	Water
Analytical Method:	SW8260		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050640.D	1		08/15/18 09:03	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1	U	0.2	0.2	1	ug/L
591-78-6	2-Hexanone	5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	1	U	0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	1	U	0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	1	U	0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	1	U	0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	1	U	0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	2	U	0.4	0.4	2	ug/L
95-47-6	o-Xylene	1	U	0.2	0.2	1	ug/L
100-42-5	Styrene	1	U	0.2	0.2	1	ug/L
75-25-2	Bromoform	1	U	0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	1	U	0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	1	U	0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1	U	0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	1	U	0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.4		61 - 141		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		69 - 133		99%	SPK: 50
2037-26-5	Toluene-d8	47		65 - 126		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.8		58 - 135		74%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	724856	7.67				
540-36-3	1,4-Difluorobenzene	1117640	8.59				
3114-55-4	Chlorobenzene-d5	938860	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	330224	13.35				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0815WBL01	SDG No.:	J4469
Lab Sample ID:	VN0815WBL01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050640.D	1		08/15/18 09:03	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050640.D
 Acq On : 15 Aug 2018 9:03
 Operator : MD\SY
 Sample : VN0815WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBL01

Quant Time: Aug 16 01:55:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	724856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1117641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	938860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	330224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	460092	50.36	ug/l	0.00
Spiked Amount			50.000			
Recovery			=	100.72%		
35) Dibromofluoromethane	7.59	113	443117	49.66	ug/l	0.00
Spiked Amount			50.000			
Recovery			=	99.32%		
50) Toluene-d8	10.09	98	1578482	47.00	ug/l	0.00
Spiked Amount			50.000			
Recovery			=	94.00%		
62) 4-Bromofluorobenzene	12.40	95	408706	36.84	ug/l	0.00
Spiked Amount			50.000			
Recovery			=	73.68%		

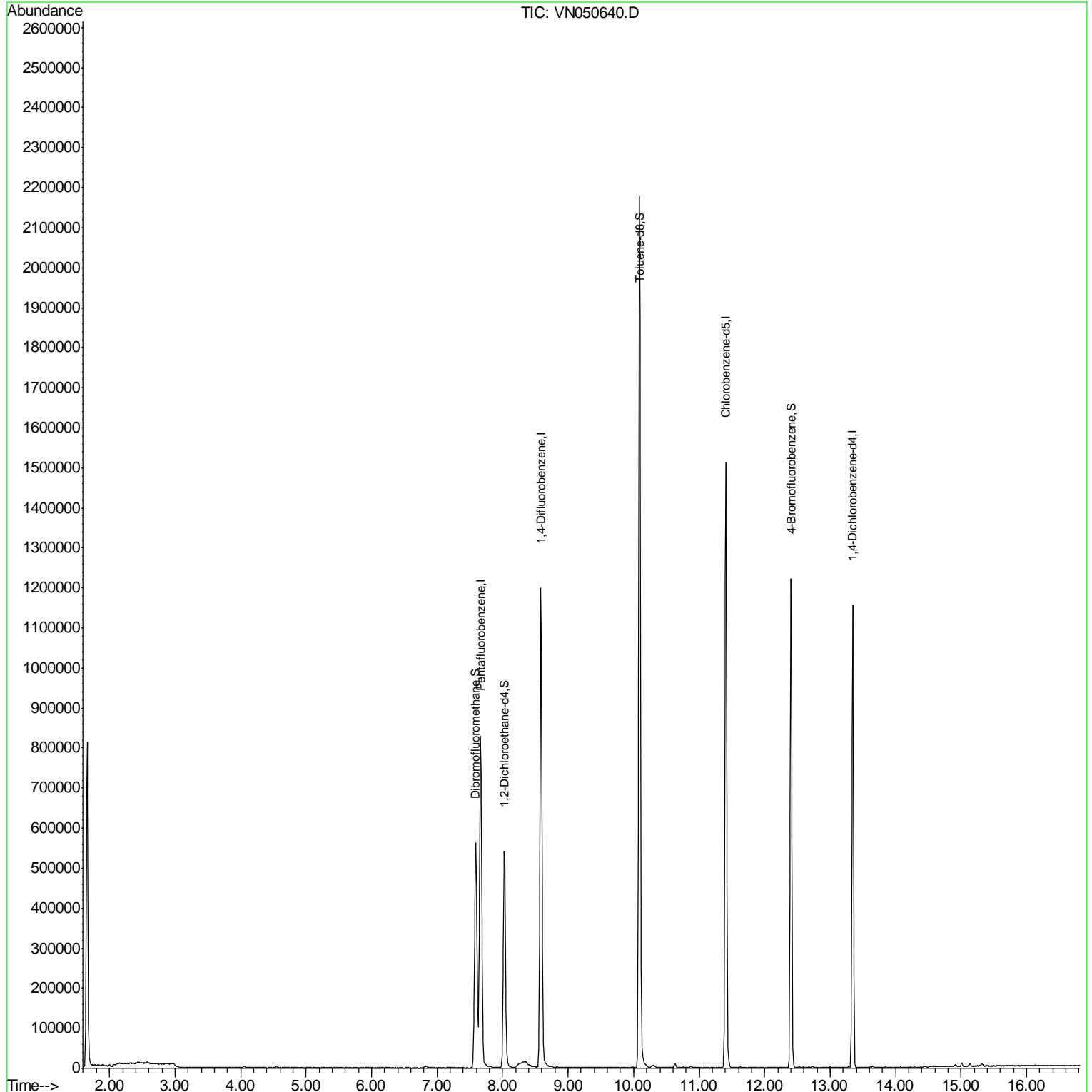
Target Compounds Qvalue

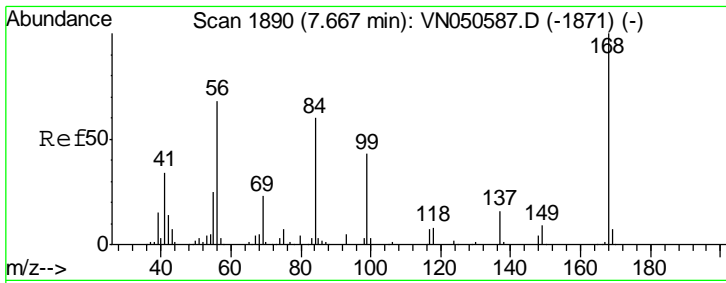
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050640.D
Acq On : 15 Aug 2018 9:03
Operator : MD\SY
Sample : VN0815WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBL01

Quant Time: Aug 16 01:55:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

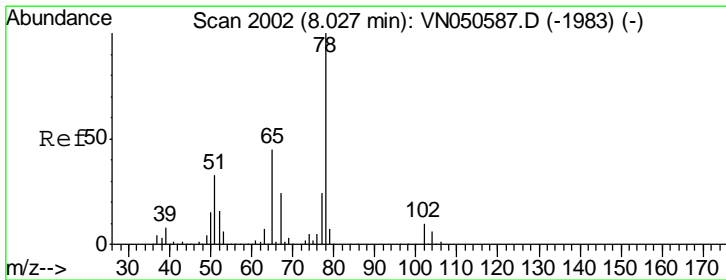
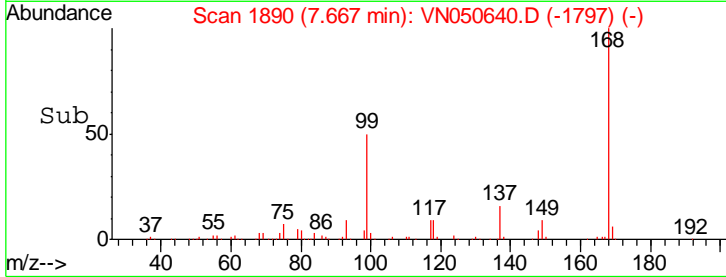
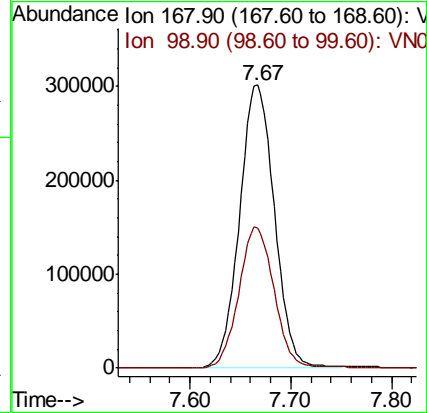
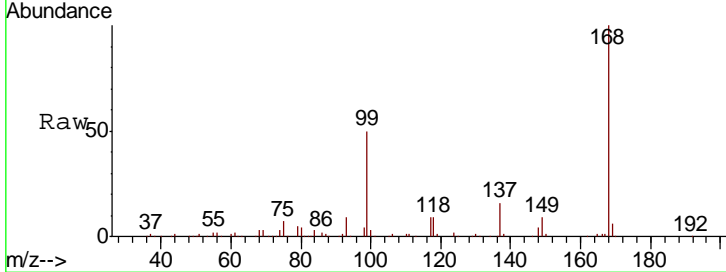




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

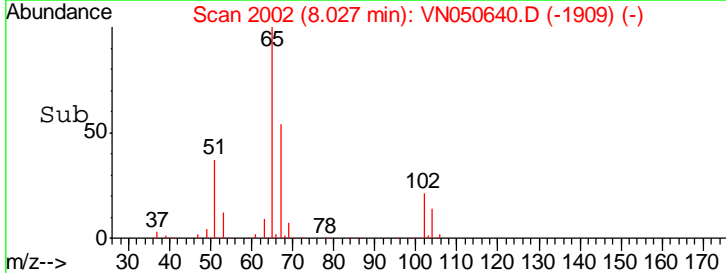
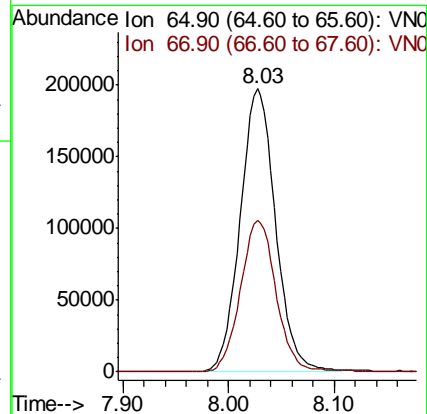
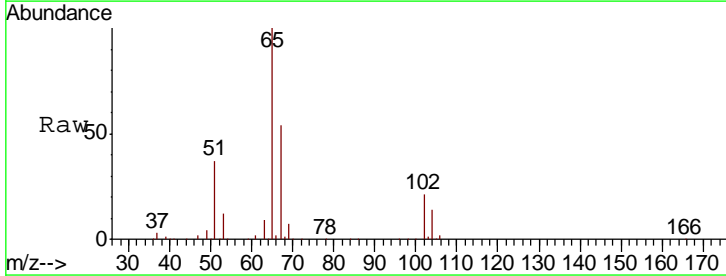
Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBL01

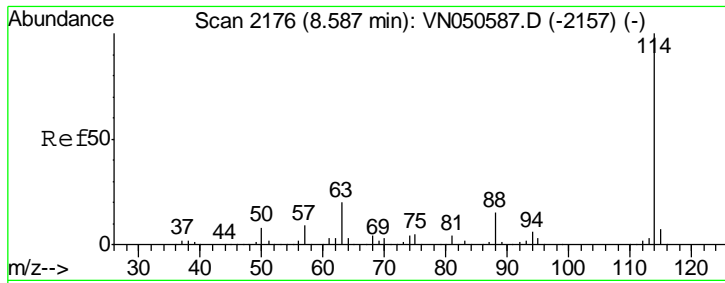
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.6	40.8	61.2



#33
 1,2-Dichloroethane-d4
 Concen: 50.36 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.8	0.0	109.8

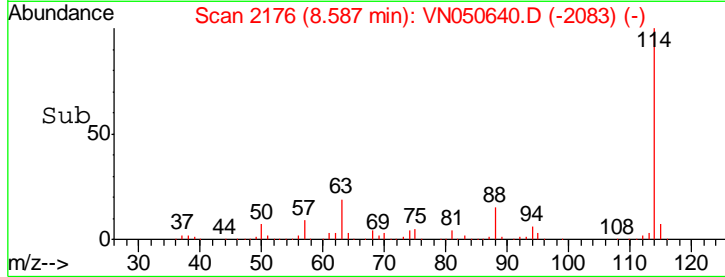
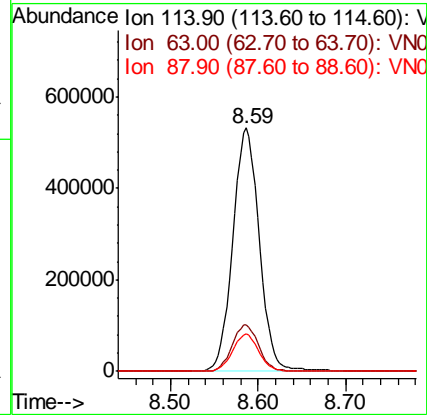
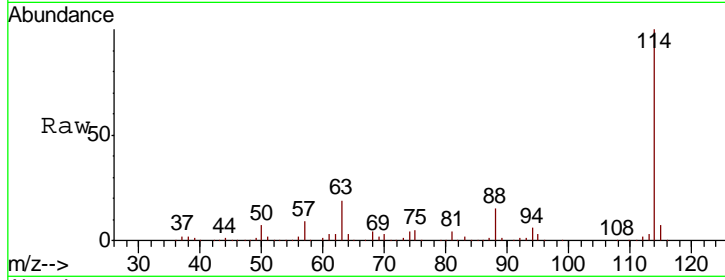




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

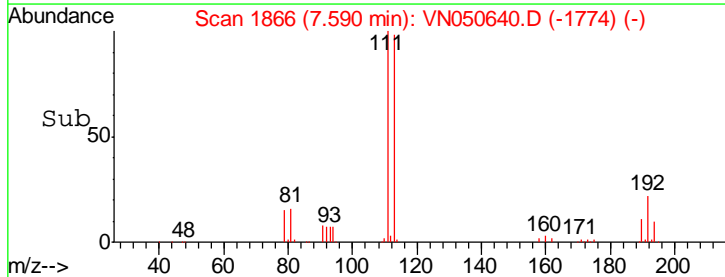
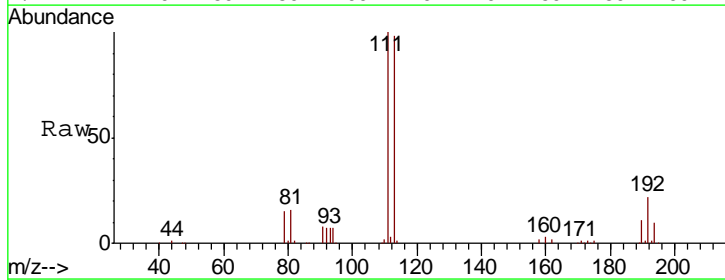
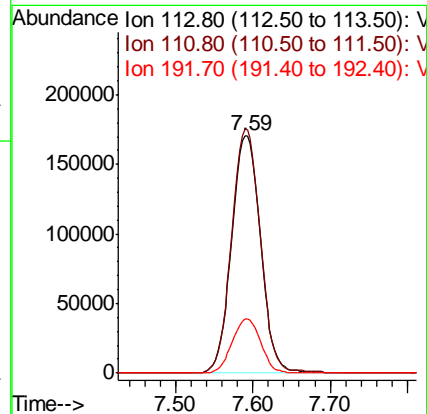
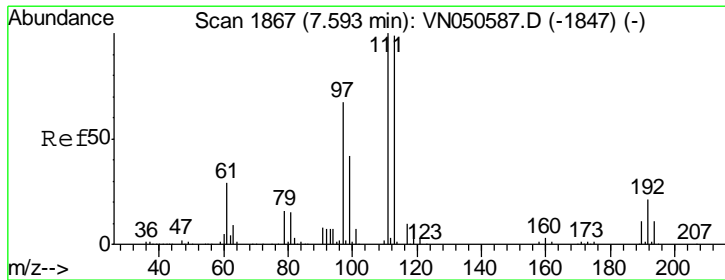
Instrument : MSVOA_N
 ClientSampled : VN0815WBL01

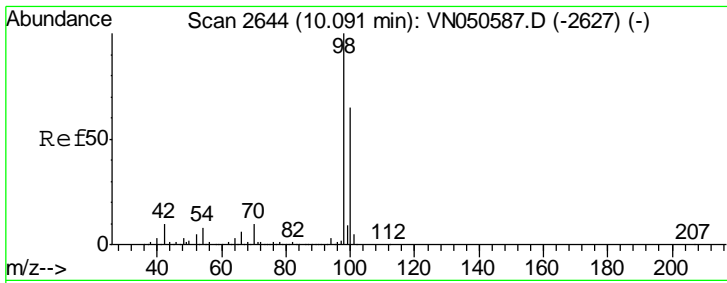
Tgt Ion	Resp	Lower	Upper
114	1117641		
63	19.0	0.0	40.0
88	15.4	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 49.66 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

Tgt Ion	Resp	Lower	Upper
113	443117		
111	101.9	81.0	121.6
192	22.5	17.6	26.4

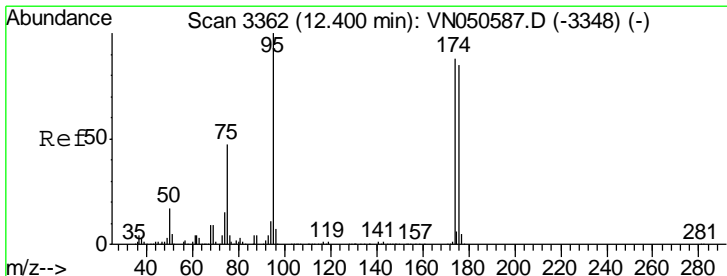
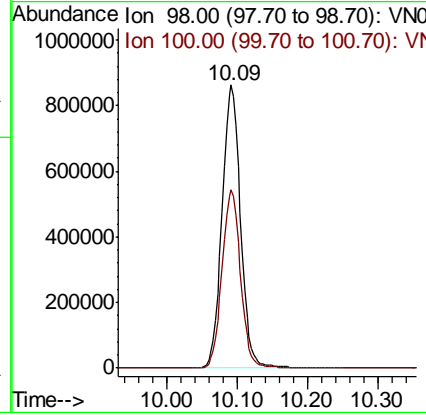
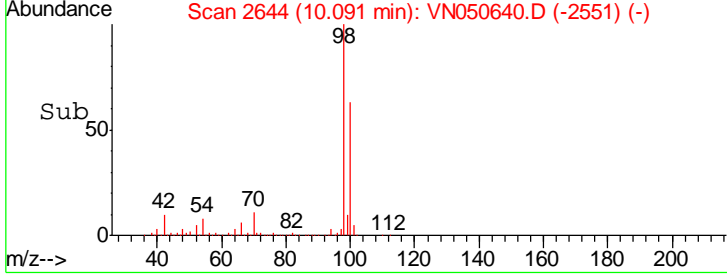
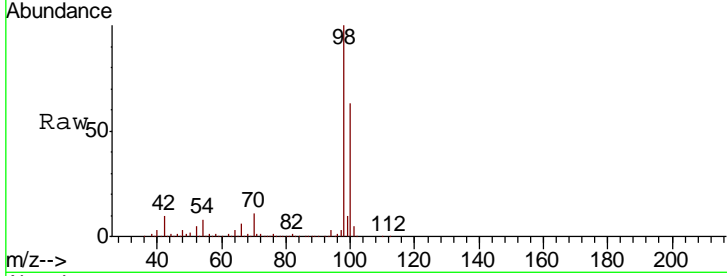




#50
 Toluene-d8
 Concen: 47.00 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

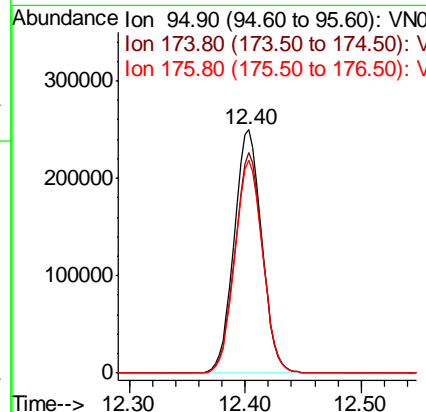
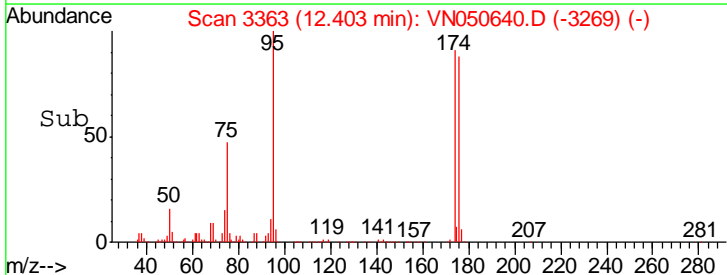
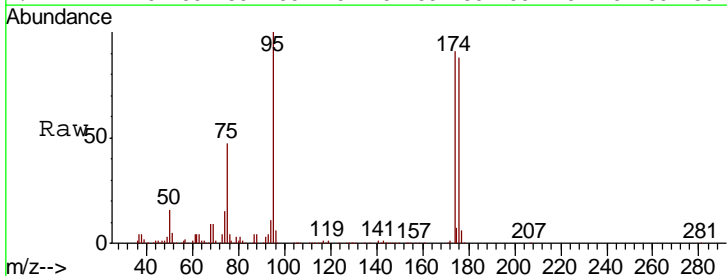
Instrument : MSVOA_N
 ClientSampled : VN0815WBL01

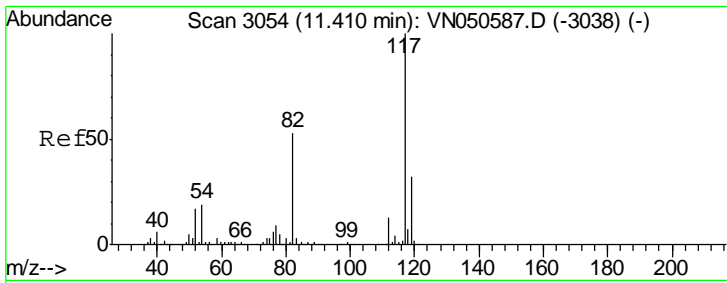
Tgt Ion	Resp	Lower	Upper
98	1578482		
98	100		
100	63.1	51.8	77.8



#62
 4-Bromofluorobenzene
 Concen: 36.84 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

Tgt Ion	Resp	Lower	Upper
95	408706		
95	100		
174	90.9	0.0	177.8
176	88.3	0.0	175.0

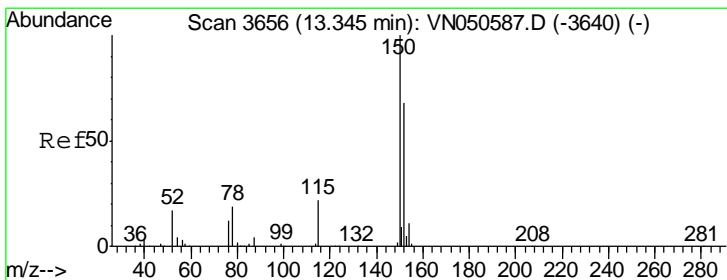
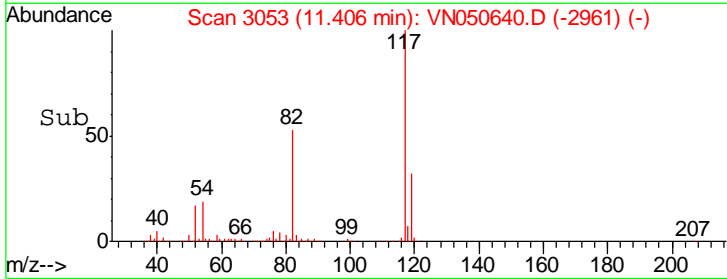
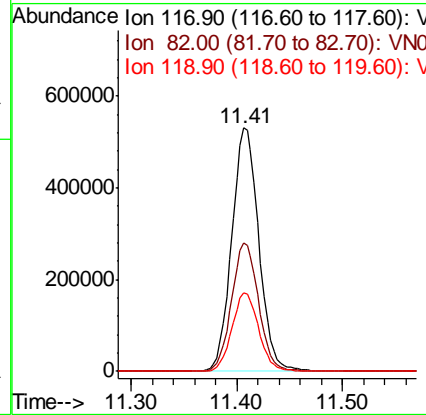
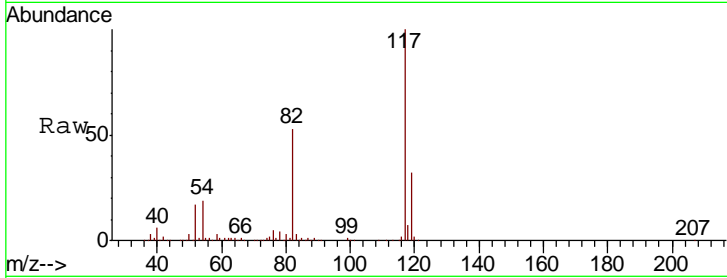




#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3053
 Delta R.T. -0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

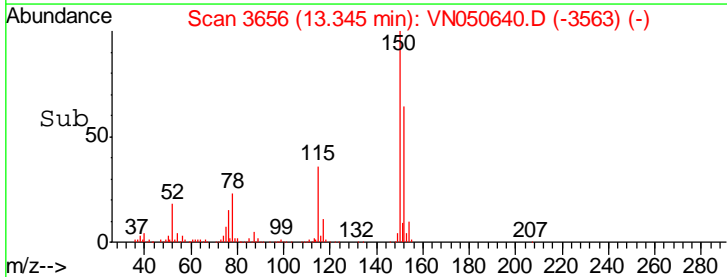
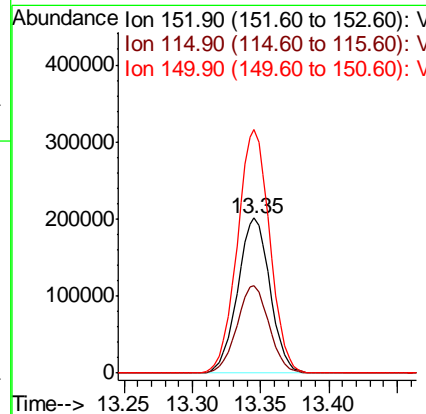
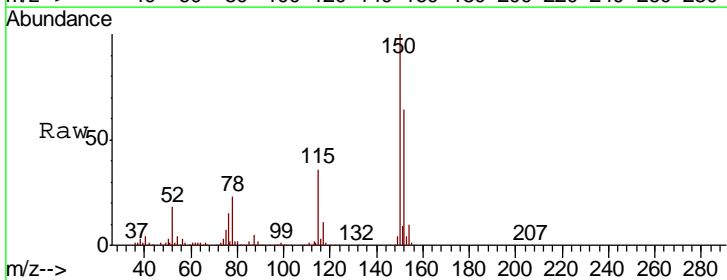
Instrument : MSVOA_N
 ClientSampled : VN0815WBL01

Tgt Ion	Resp	Lower	Upper
117	938860		
82	52.6	42.4	63.6
119	32.2	25.8	38.8



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN050640.D
 Acq: 15 Aug 2018 9:03

Tgt Ion	Resp	Lower	Upper
152	330224		
115	56.0	28.1	84.2
150	157.7	0.0	347.8



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050640.D
 Acq On : 15 Aug 2018 9:03
 Operator : MD\SY
 Sample : VN0815WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBL01

Integration Parameters: RTEINT.P
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.658	3	21	41	rBV	812370	1331135	33.15%	6.949%
2	7.590	1846	1866	1878	rBV	561449	1434574	35.72%	7.488%
3	7.664	1878	1889	1916	rVB	824791	1975696	49.20%	10.313%
4	8.027	1984	2002	2028	rBV	541626	1268523	31.59%	6.622%
5	8.587	2158	2176	2215	rBV	1197421	2520390	62.76%	13.156%
6	10.091	2627	2644	2677	rBV	2178252	4016031	100.00%	20.964%
7	11.406	3037	3053	3079	rBV	1513063	2682228	66.79%	14.001%
8	12.403	3349	3363	3386	rBV	1221873	2019419	50.28%	10.541%
9	13.345	3643	3656	3672	rVB	1153722	1909151	47.54%	9.966%

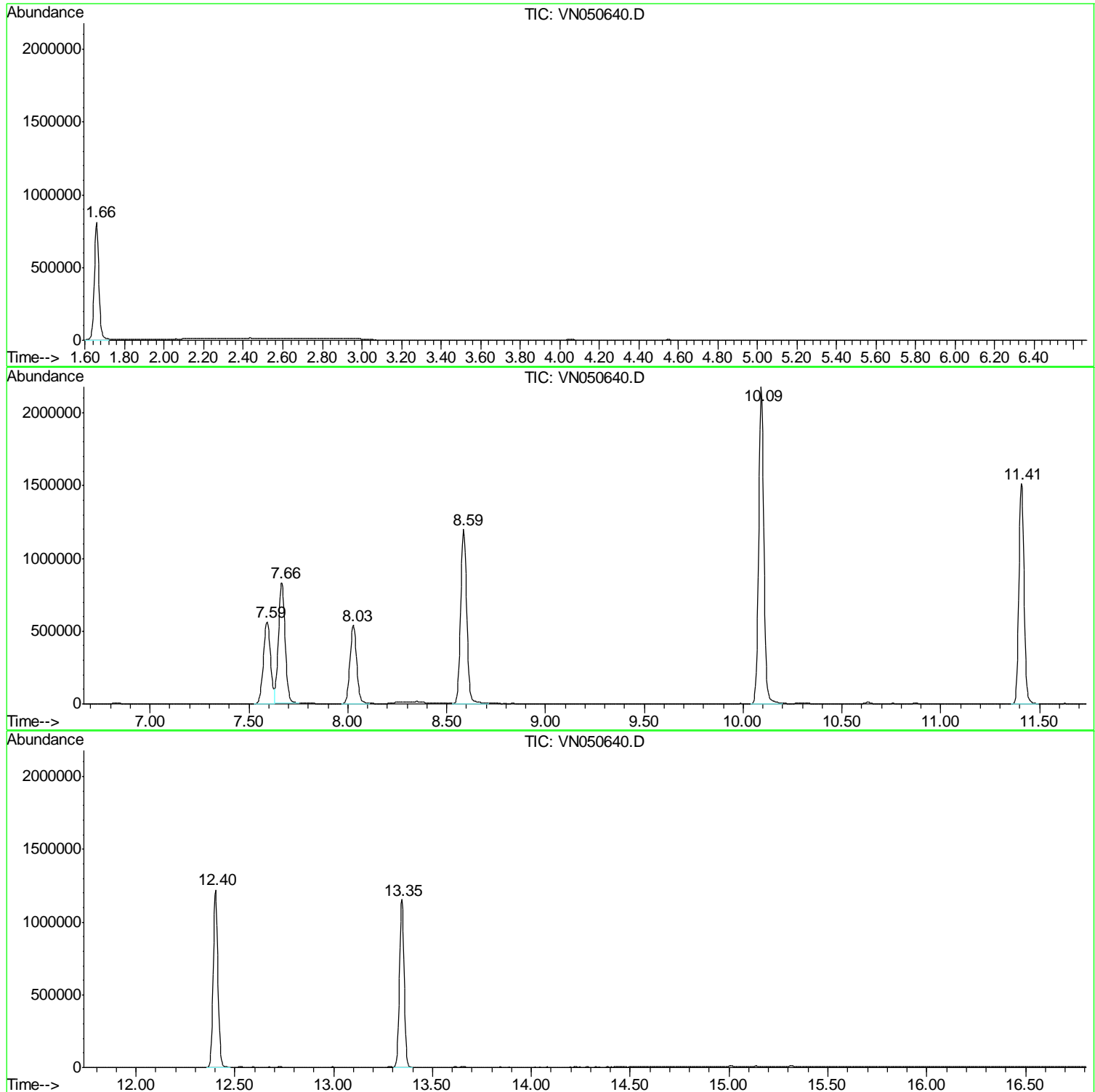
Sum of corrected areas: 19157147

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
Data File : VN050640.D
Acq On : 15 Aug 2018 9:03
Operator : MD\SY
Sample : VN0815WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
Data File : VN050640.D
Acq On : 15 Aug 2018 9:03
Operator : MD\SY
Sample : VN0815WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081518\
 Data File : VN050640.D
 Acq On : 15 Aug 2018 9:03
 Operator : MD\SY
 Sample : VN0815WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBL01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBS01	SDG No.:	J4469
Lab Sample ID:	VN0814WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050595.D	1		08/14/18 12:18	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.2		0.2	0.2	1	ug/L
74-87-3	Chloromethane	19.5		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	18.8		0.2	0.2	1	ug/L
74-83-9	Bromomethane	16.7		0.2	0.2	1	ug/L
75-00-3	Chloroethane	19.6		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.2	0.2	1	ug/L
67-64-1	Acetone	110		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	19.1		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	20.3		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	19.9		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	19.7		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	19.8		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	19.6		0.2	0.2	1	ug/L
78-93-3	2-Butanone	110		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	19.8		0.2	0.5	1	ug/L
67-66-3	Chloroform	18.8		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	20.4		0.2	0.2	1	ug/L
71-43-2	Benzene	20.1		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	20		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	19.5		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	19.4		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	100		1	1	5	ug/L
108-88-3	Toluene	20.2		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	20		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	21		0.2	0.2	1	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBS01	SDG No.:	J4469
Lab Sample ID:	VN0814WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050595.D	1		08/14/18 12:18	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	19.9		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	110		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	19.6		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	19.5		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	19.8		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	20.2		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	41.1		0.4	0.4	2	ug/L
95-47-6	o-Xylene	20.2		0.2	0.2	1	ug/L
100-42-5	Styrene	19.1		0.2	0.2	1	ug/L
75-25-2	Bromoform	19.7		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	20.5		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.8		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.5		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	19		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.6		61 - 141		99%	SPK: 50
1868-53-7	Dibromofluoromethane	50		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	49.2		65 - 126		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		58 - 135		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	715777	7.667				
540-36-3	1,4-Difluorobenzene	1041630	8.586				
3114-55-4	Chlorobenzene-d5	924848	11.409				
3855-82-1	1,4-Dichlorobenzene-d4	456013	13.342				



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBS01	SDG No.:	J4469
Lab Sample ID:	VN0814WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050595.D	1		08/14/18 12:18	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050595.D
 Acq On : 14 Aug 2018 12:18
 Operator : MD\SY
 Sample : VN0814WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:25 PM

Quant Time: Aug 15 08:34:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	715777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1041625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	924848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	456013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	447232	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	7.59	113	415962	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.09	98	1540710	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	479897	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	155155	19.23	ug/l	98
3) Chloromethane	2.06	50	194795	19.51	ug/l	100
4) Vinyl Chloride	2.18	62	201512	18.80	ug/l	97
5) Bromomethane	2.56	94	104396	16.73	ug/l	96
6) Chloroethane	2.70	64	122475	19.60	ug/l	98
7) Trichlorofluoromethane	3.01	101	270273	19.22	ug/l	99
8) Diethyl Ether	3.41	74	91444	19.54	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	166805	19.61	ug/l	100
10) Methyl Iodide	3.95	142	109131	22.49	ug/l	99
11) Tert butyl alcohol	4.80	59	52206	105.97	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	149743	19.28	ug/l	99
13) Acrolein	3.61	56	17241	85.24	ug/l	96
14) Allyl chloride	4.33	41	234685	19.43	ug/l	99
15) Acrylonitrile	4.99	53	265786	98.23	ug/l	100
16) Acetone	3.82	43	251613	110.88	ug/l	99
17) Carbon Disulfide	4.05	76	467284	19.12	ug/l	100
18) Methyl Acetate	4.33	43	129800	19.88	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	400844	20.28	ug/l	100
20) Methylene Chloride	4.55	84	175333	19.67	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	166670	19.79	ug/l	96
22) Diisopropyl ether	5.96	45	512995	20.71	ug/l	99
23) Vinyl Acetate	5.90	43	1674161	103.33	ug/l	100
24) 1,1-Dichloroethane	5.85	63	306914	19.15	ug/l	100
25) 2-Butanone	6.84	43	391495	105.83	ug/l	98
26) 2,2-Dichloropropane	6.83	77	251295	23.42	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	184141	19.64	ug/l	98
28) Bromochloromethane	7.20	49	144404	19.80	ug/l	99
29) Tetrahydrofuran	7.22	42	201042	104.08	ug/l	99
30) Chloroform	7.37	83	305740	18.82	ug/l	97
31) Cyclohexane	7.66	56	271116	19.61	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	264783	19.37	ug/l	98
36) 1,1-Dichloropropene	7.80	75	232641	20.06	ug/l	100
37) Ethyl Acetate	6.93	43	146734	22.39	ug/l	99
38) Carbon Tetrachloride	7.78	117	235763	19.60	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050595.D
 Acq On : 14 Aug 2018 12:18
 Operator : MD\SY
 Sample : VN0814WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:25 PM

Quant Time: Aug 15 08:34:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	245427	20.44	ug/l	99
40) Benzene	8.04	78	708078	20.07	ug/l	100
41) Methacrylonitrile	7.20	41	100813m	28.45	ug/l	
42) 1,2-Dichloroethane	8.13	62	216369	20.01	ug/l	100
43) Isopropyl Acetate	8.17	43	240266	20.12	ug/l	# 87
44) Trichloroethene	8.84	130	184252	19.50	ug/l	99
45) 1,2-Dichloropropane	9.12	63	185795	19.78	ug/l	99
46) Dibromomethane	9.21	93	109679	19.78	ug/l	97
47) Bromodichloromethane	9.40	83	230295	19.43	ug/l	99
48) Methyl methacrylate	9.20	41	119262	19.84	ug/l	100
49) 1,4-Dioxane	9.20	88	31665	399.92	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	847553	104.92	ug/l	100
52) Toluene	10.16	92	426351	20.24	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	221157	20.03	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	265975	21.00	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	156799	19.93	ug/l	100
56) Ethyl methacrylate	10.43	69	181420	19.29	ug/l	98
57) 1,3-Dichloropropane	10.71	76	259458	20.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	437439	97.61	ug/l	100
59) 2-Hexanone	10.75	43	564093	108.19	ug/l	99
60) Dibromochloromethane	10.90	129	170363	19.62	ug/l	100
61) 1,2-Dibromoethane	11.01	107	147750	19.72	ug/l	100
64) Tetrachloroethene	10.63	164	167560	19.51	ug/l	97
65) Chlorobenzene	11.43	112	455240	19.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	170323	19.74	ug/l	99
67) Ethyl Benzene	11.51	91	749753	20.17	ug/l	100
68) m/p-Xylenes	11.62	106	584052	41.09	ug/l	99
69) o-Xylene	11.95	106	274279	20.24	ug/l	99
70) Styrene	11.96	104	444909	19.05	ug/l	100
71) Bromoform	12.13	173	112475	19.66	ug/l	# 99
73) Isopropylbenzene	12.25	105	728690	20.45	ug/l	100
74) N-amyl acetate	12.07	43	190171	20.52	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	183634	20.84	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	142348m	18.68	ug/l	
77) Bromobenzene	12.53	156	188131	19.45	ug/l	99
78) n-propylbenzene	12.59	91	815566	20.53	ug/l	99
79) 2-Chlorotoluene	12.68	91	496098	20.03	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	596235	20.90	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43228	21.08	ug/l	98
82) 4-Chlorotoluene	12.77	91	499404	20.40	ug/l	100
83) tert-Butylbenzene	12.99	119	491889	19.86	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	607422	21.22	ug/l	99
85) sec-Butylbenzene	13.17	105	663972	20.52	ug/l	99
86) p-Isopropyltoluene	13.29	119	574202	20.94	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	323170	19.63	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	315301	19.29	ug/l	100
89) n-Butylbenzene	13.62	91	439626	19.86	ug/l	99
90) Hexachloroethane	13.88	117	101455	18.40	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	311218	19.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26018	20.47	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050595.D
 Acq On : 14 Aug 2018 12:18
 Operator : MD\SY
 Sample : VN0814WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Manual Integrations
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Quant Time: Aug 15 08:34:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139563	18.70	ug/l	100
94) Hexachlorobutadiene	15.01	225	97895	19.87	ug/l	98
95) Naphthalene	15.13	128	274685	18.31	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	136902	19.03	ug/l	99

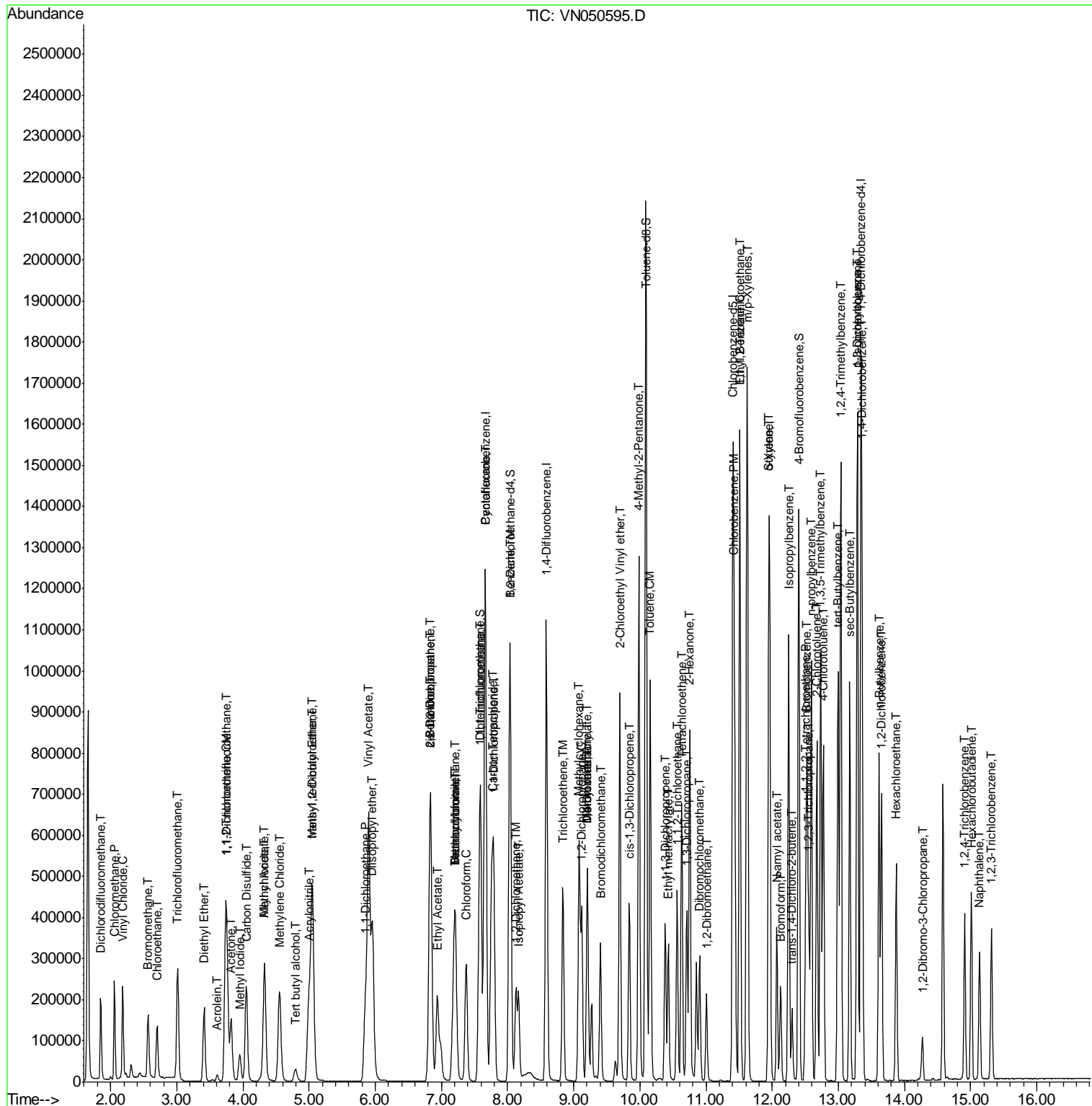
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050595.D
 Acq On : 14 Aug 2018 12:18
 Operator : MD\SY
 Sample : VN0814WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

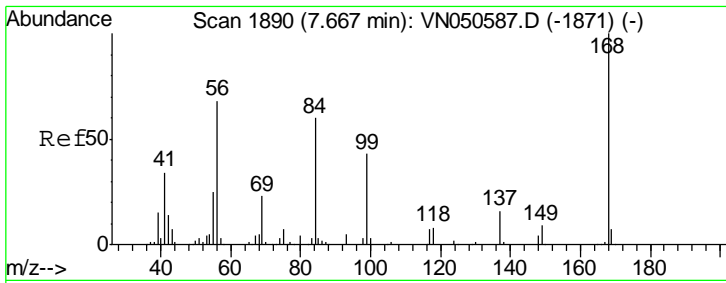
Instrument :
 MSVOA_N
 Client Sampled :
 VN0814WBS01

Manual Integrations
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 MMDadoda
 8/15/2018 3:31:25 PM

Quant Time: Aug 15 08:34:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



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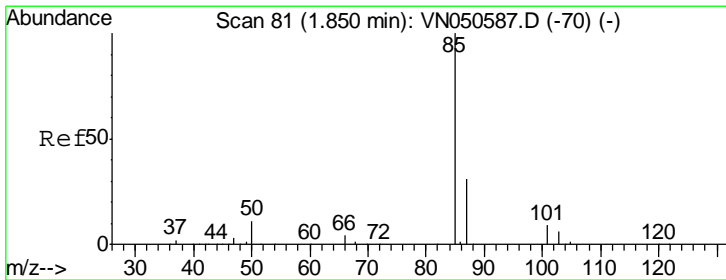
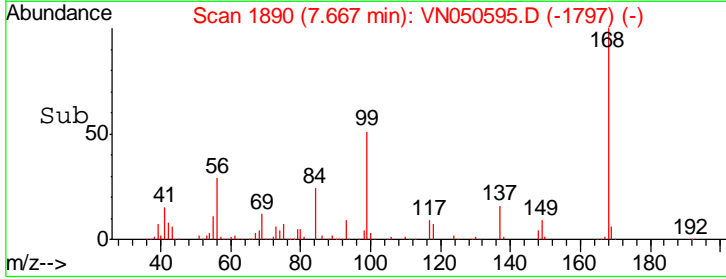
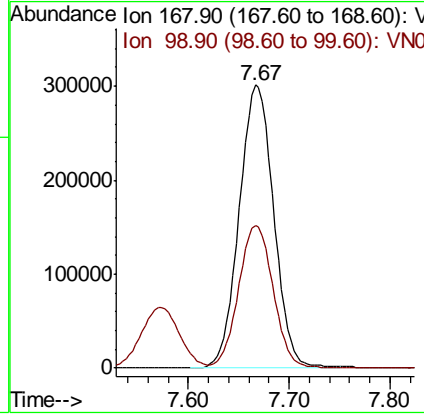
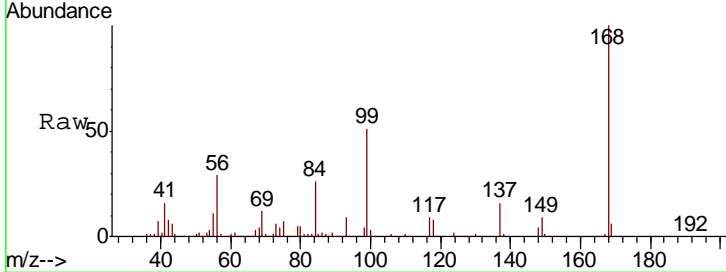


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

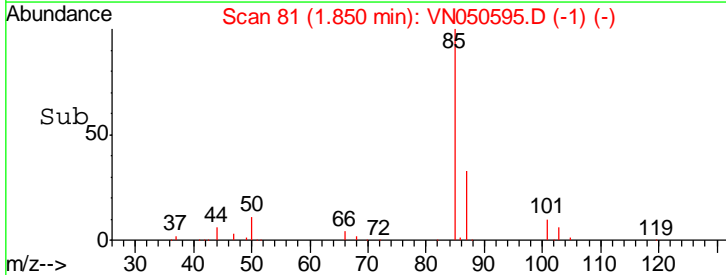
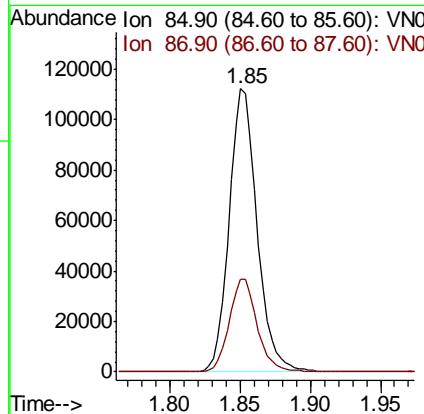
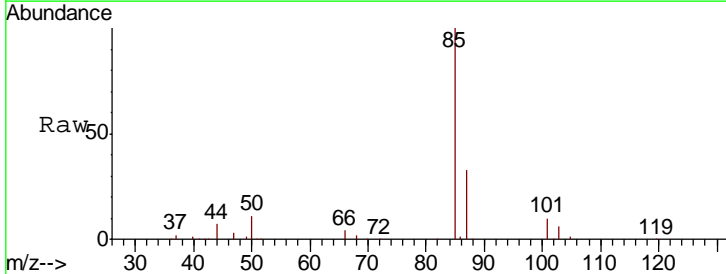
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.2	40.8	61.2

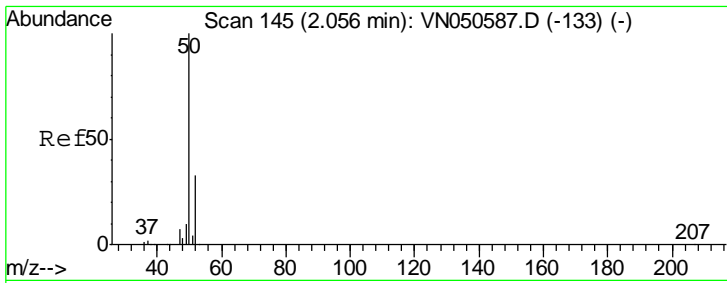
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#2
 Dichlorodifluoromethane
 Concen: 19.23 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.6	15.8	47.3



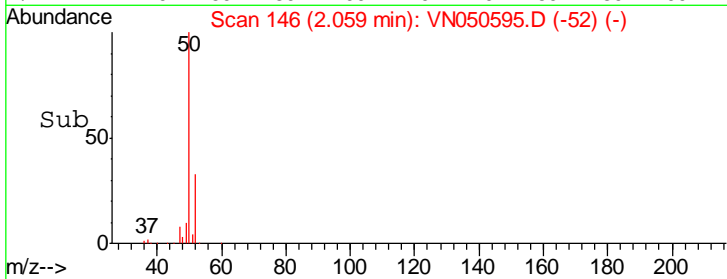
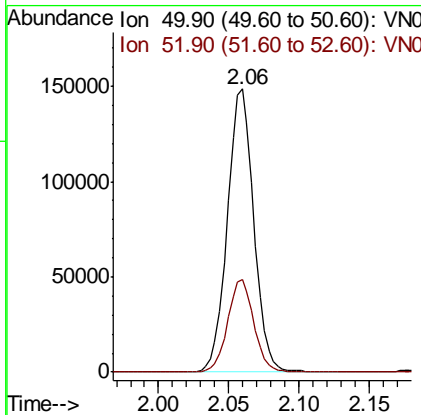
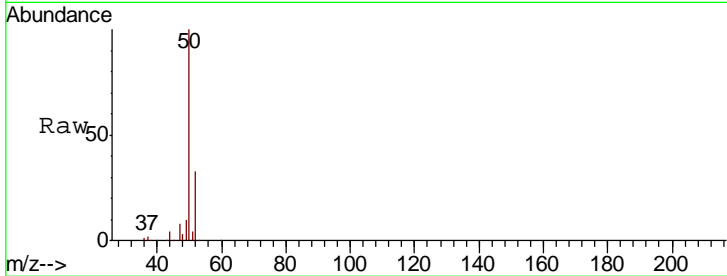


#3
 Chloromethane
 Concen: 19.51 ug/l
 RT: 2.06 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
50	194795		
52	32.6	26.0	39.0

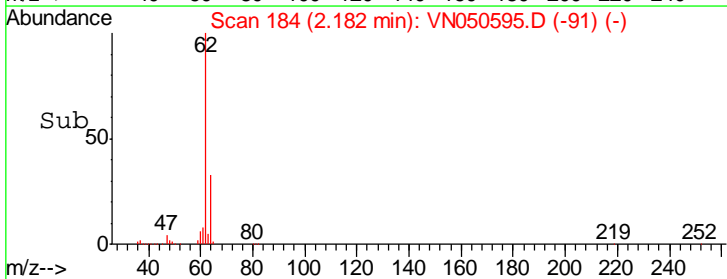
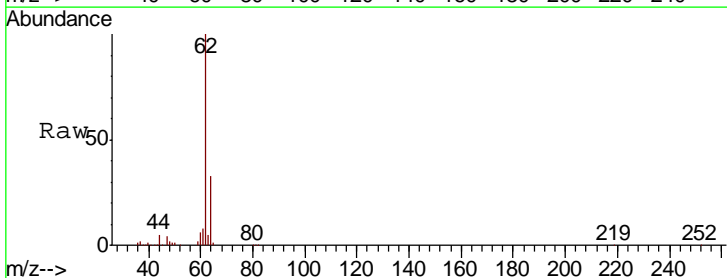
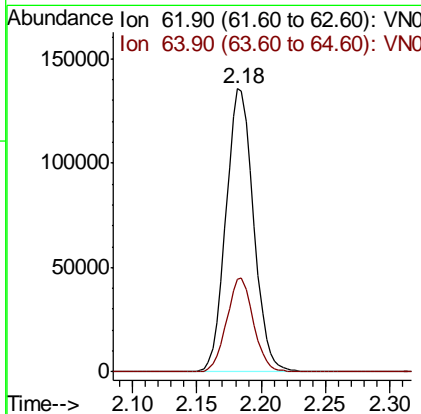
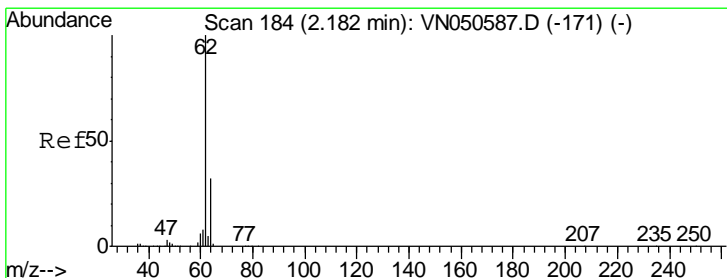
Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

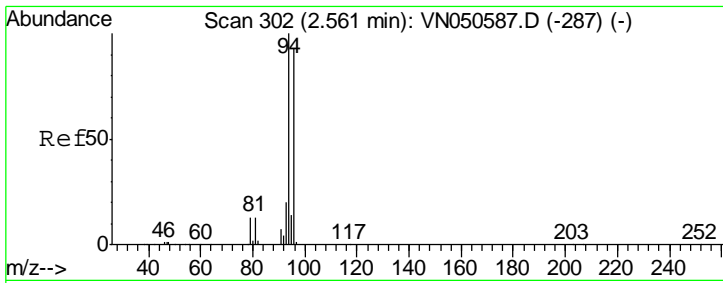
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#4
 Vinyl Chloride
 Concen: 18.80 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
62	201512		
64	32.9	25.2	37.8



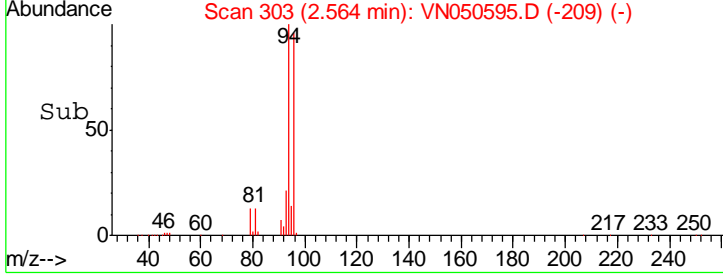
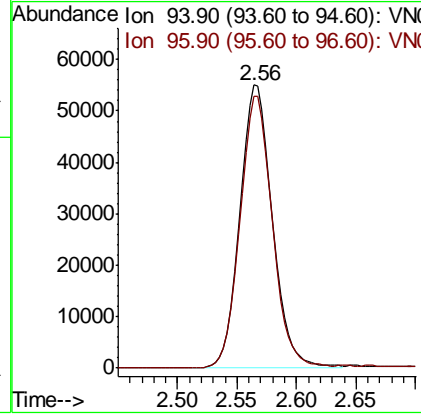
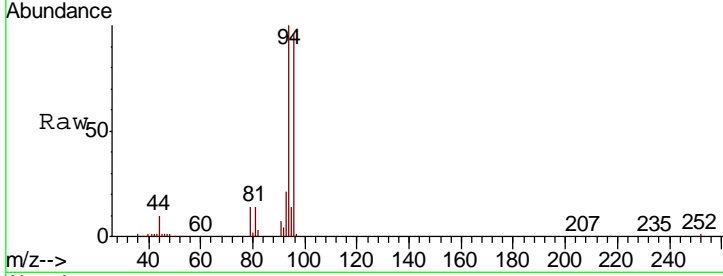


#5
 Bromomethane
 Concen: 16.73 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
94	104396		
96	96.1	74.0	111.0

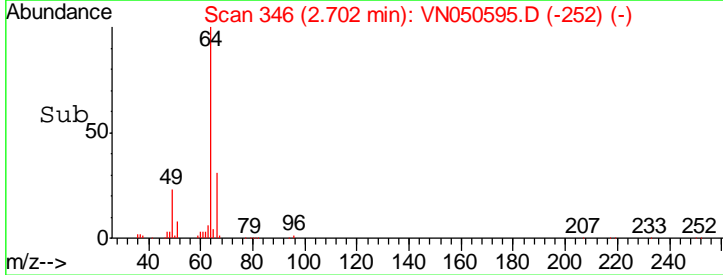
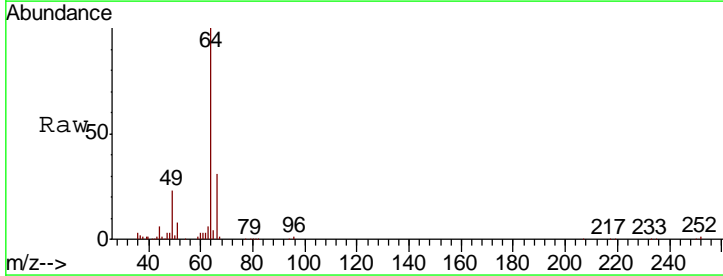
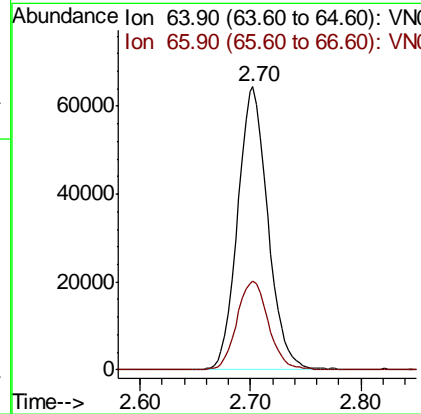
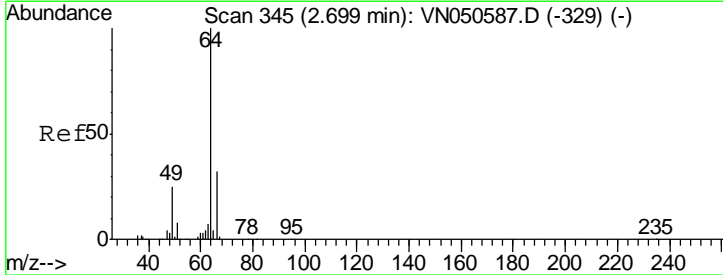
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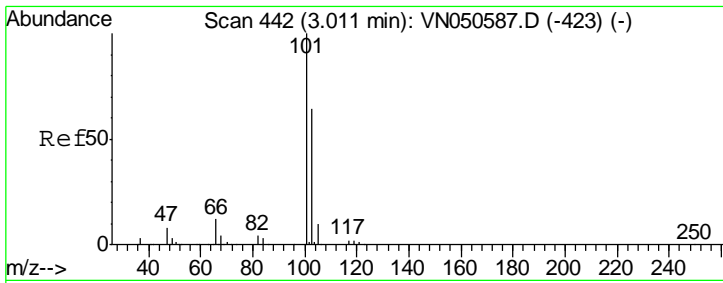
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#6
 Chloroethane
 Concen: 19.60 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
64	122475		
66	31.1	25.7	38.5



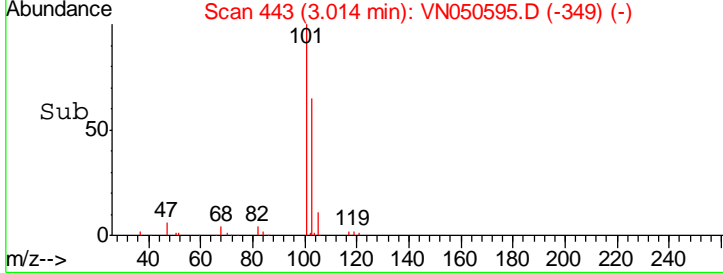
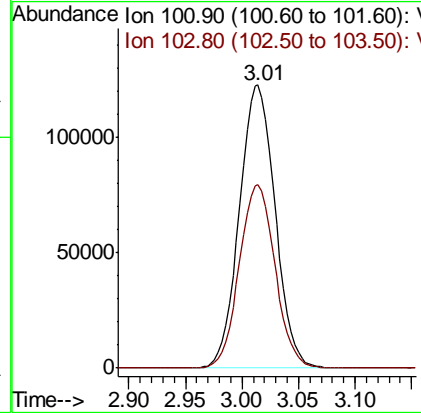
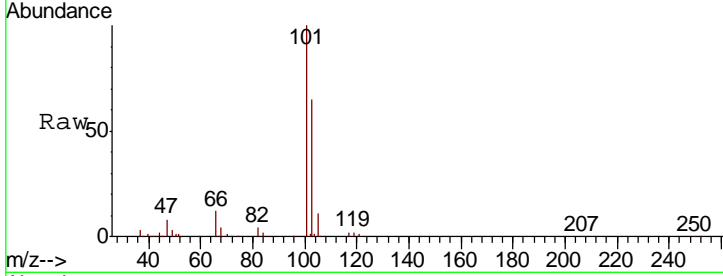


#7
 Trichlorofluoromethane
 Concen: 19.22 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
101	270273		
103	64.8	51.4	77.0

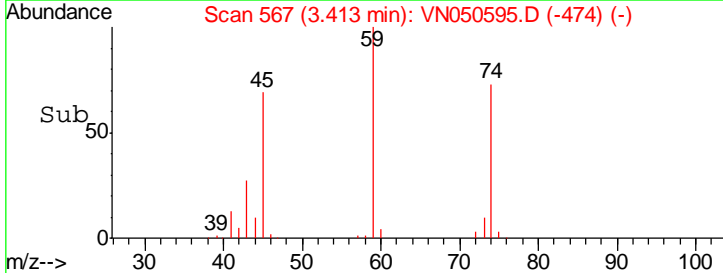
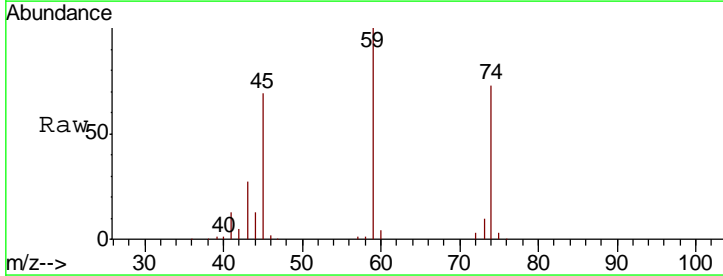
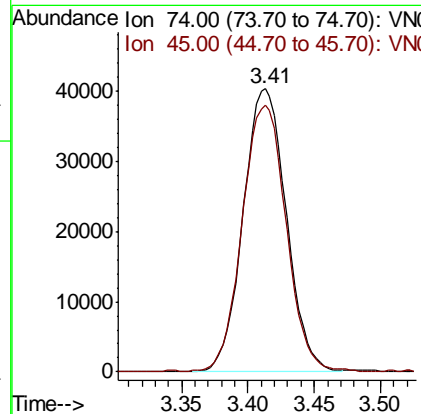
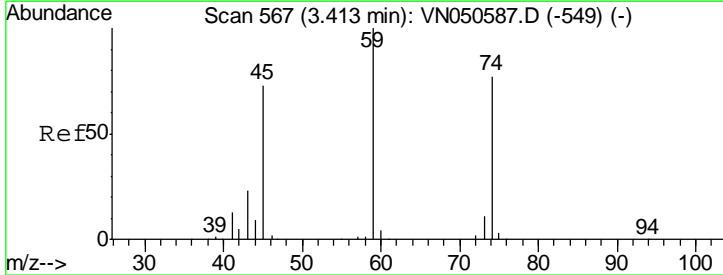
Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

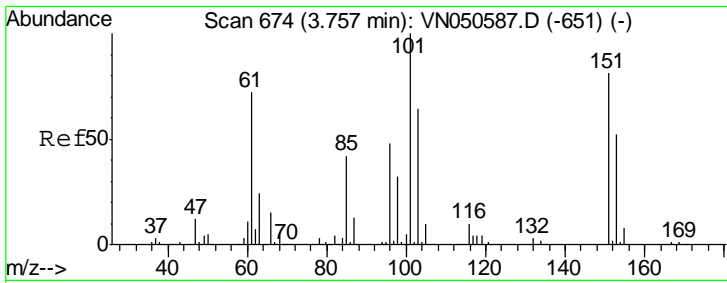
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#8
 Diethyl Ether
 Concen: 19.54 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

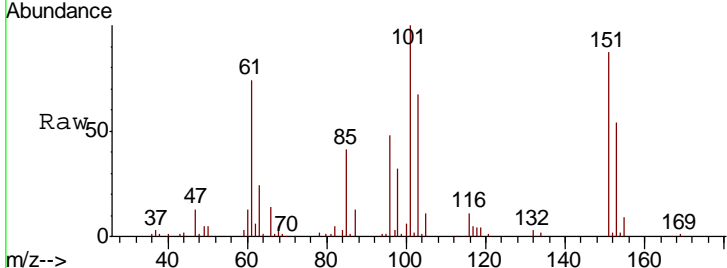
Tgt Ion	Resp	Lower	Upper
74	91444		
45	96.4	48.0	144.2





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.61 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

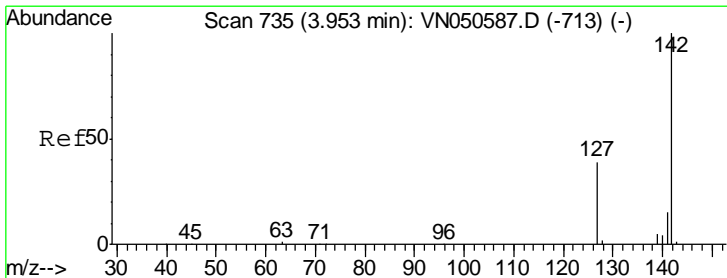
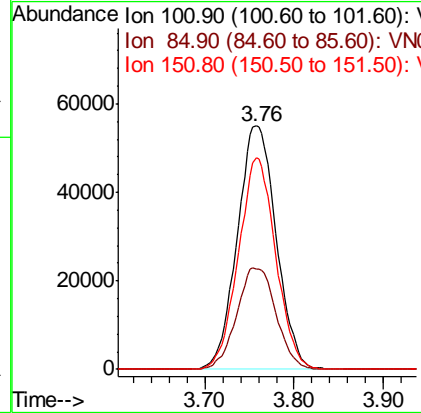
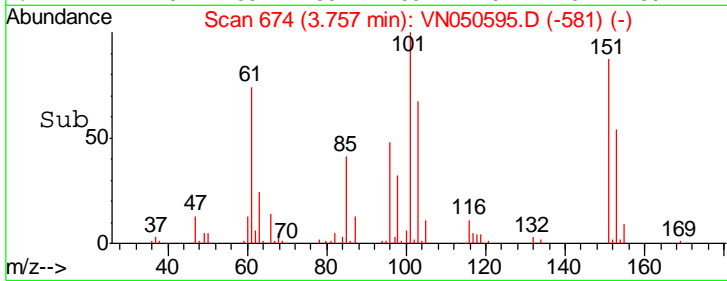
Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01



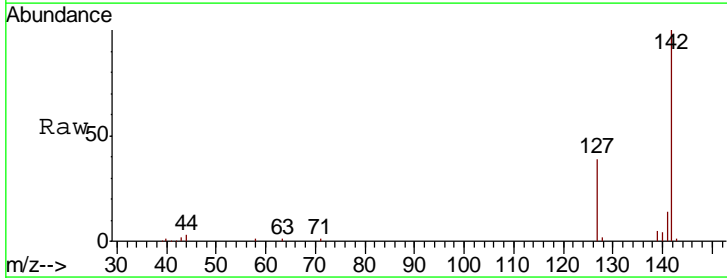
Tgt Ion: 101 Resp: 166805

Ion	Ratio	Lower	Upper
101	100		
85	42.0	33.4	50.0
151	83.3	66.6	100.0

Manual Integrations
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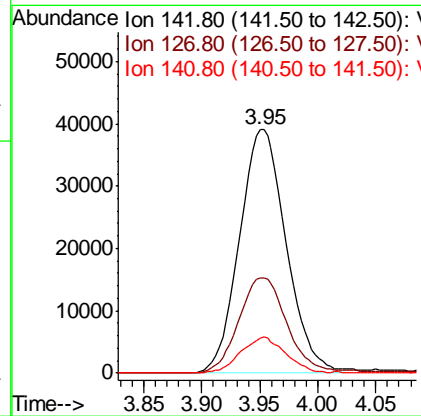
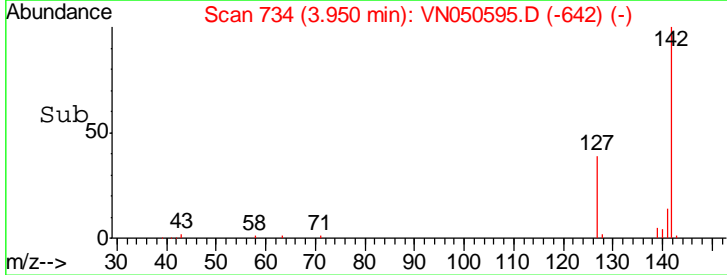


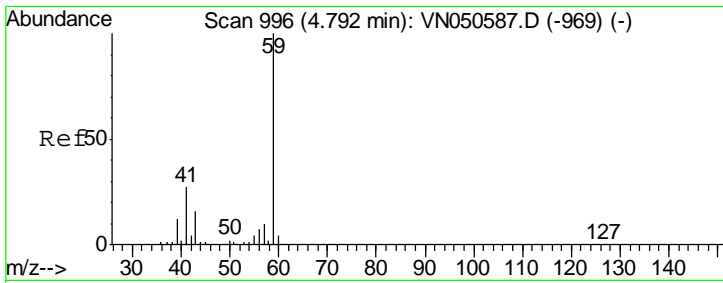
#10
 Methyl Iodide
 Concen: 22.49 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18



Tgt Ion: 142 Resp: 109131

Ion	Ratio	Lower	Upper
142	100		
127	40.3	32.6	49.0
141	14.4	11.5	17.3





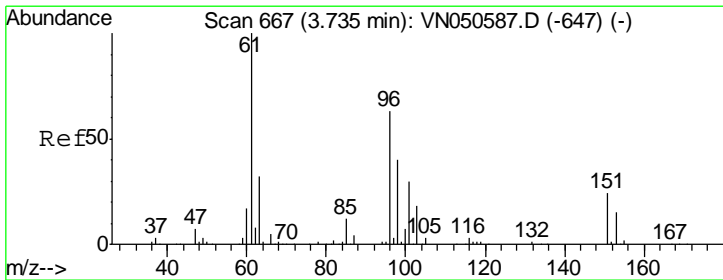
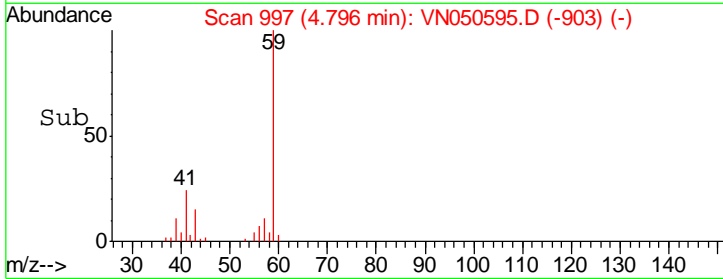
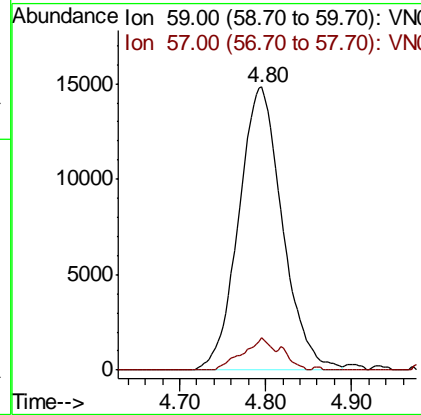
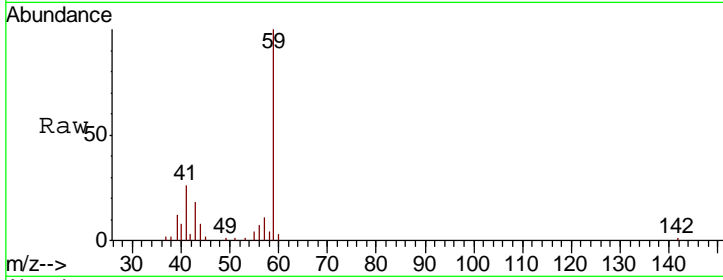
#11
 Tert butyl alcohol
 Concen: 105.97 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tgt Ion	Resp	Lower	Upper
59	100		
57	7.5	8.4	12.6#

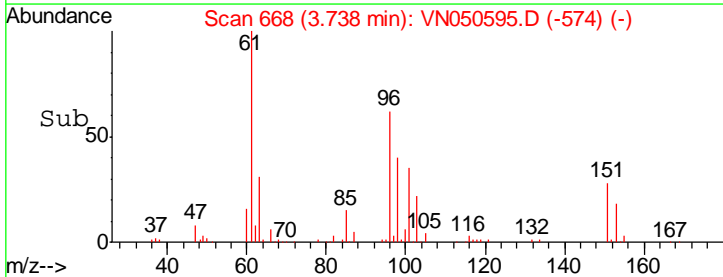
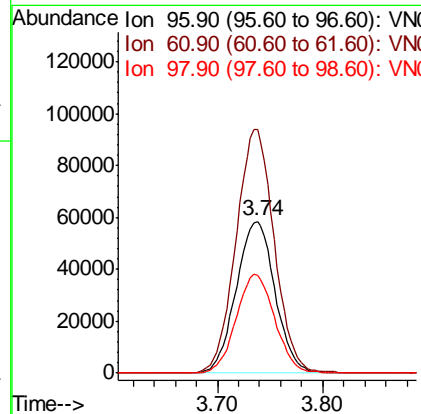
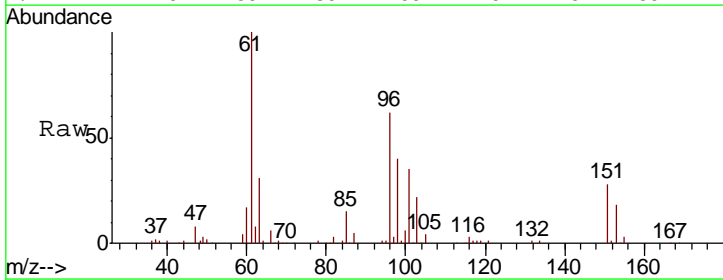
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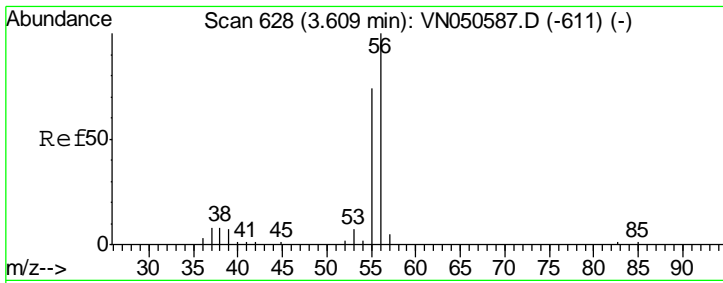
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#12
 1,1-Dichloroethene
 Concen: 19.28 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
96	100		
61	160.1	126.9	190.3
98	64.3	51.1	76.7





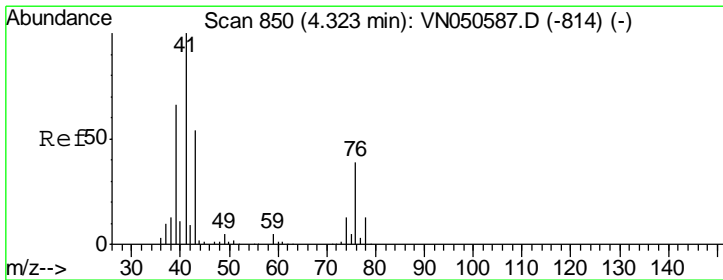
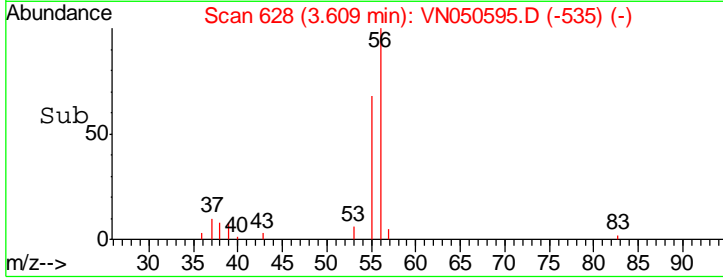
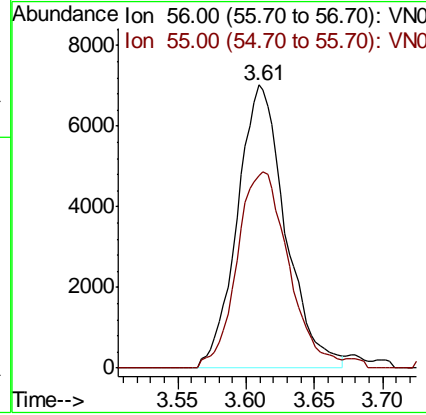
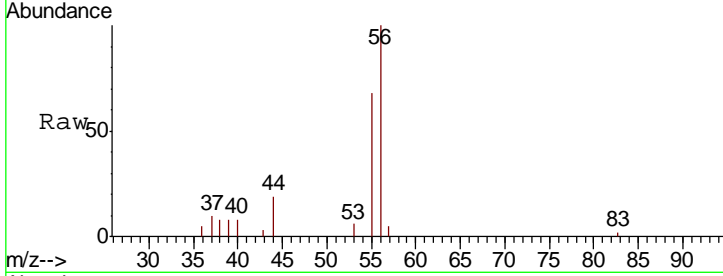
#13
 Acrolein
 Concen: 85.24 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
56	17241		
55	74.0	56.3	84.5

Manual Integrations
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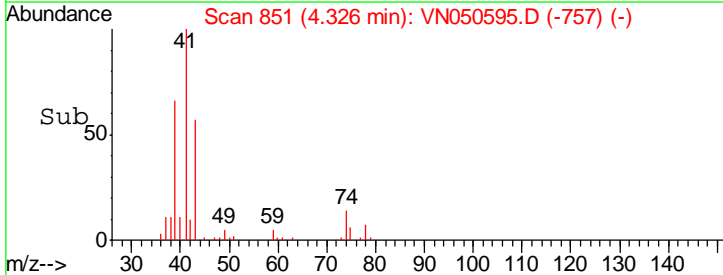
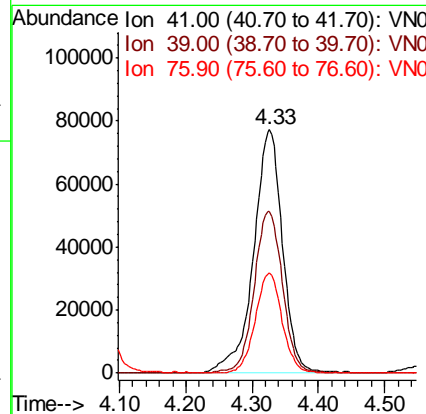
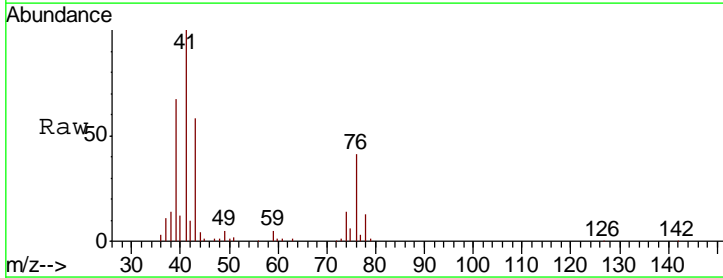
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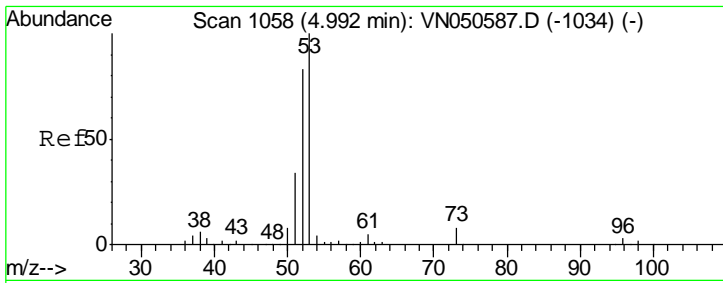


#14
 Allyl chloride
 Concen: 19.43 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
41	234685		
39	64.8	51.4	77.0
76	37.4	29.4	44.0





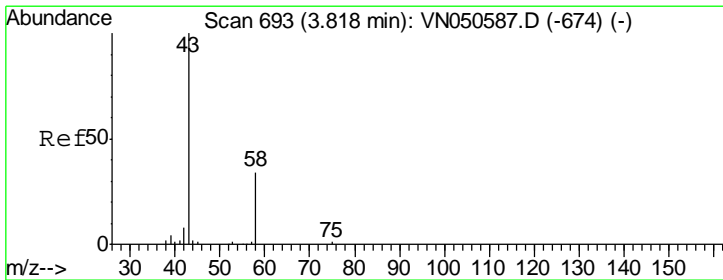
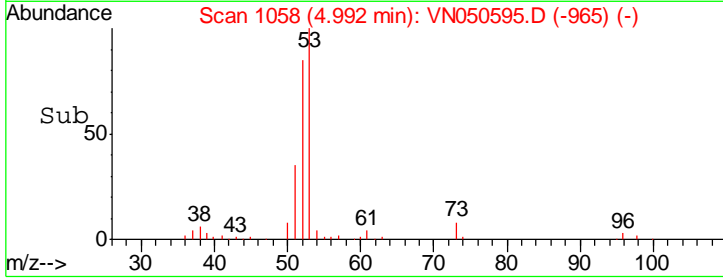
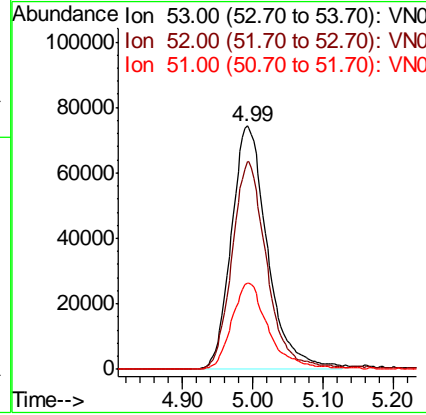
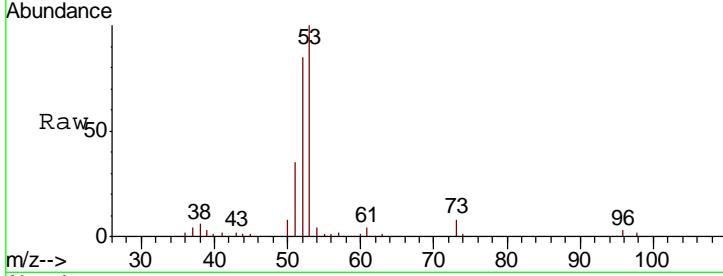
#15
 Acrylonitrile
 Concen: 98.23 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tgt Ion	Resp	Lower	Upper
53	100		
52	82.3	66.2	99.2
51	36.1	28.6	43.0

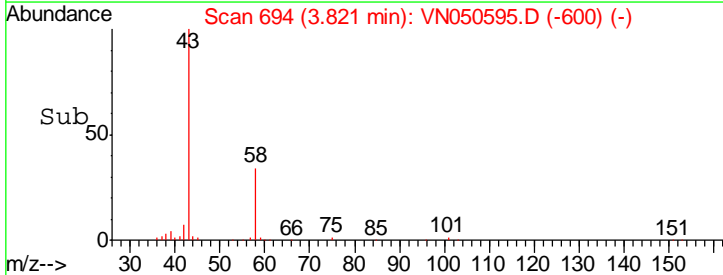
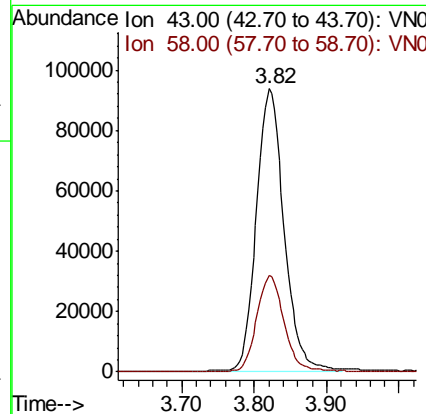
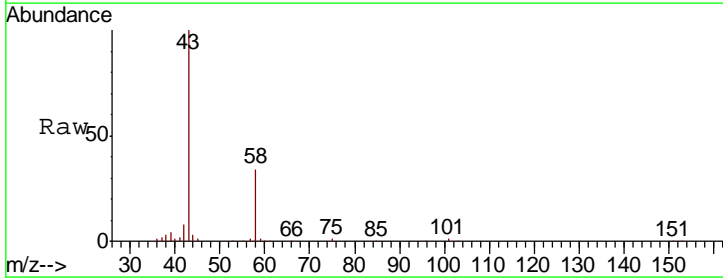
Manual Integrations
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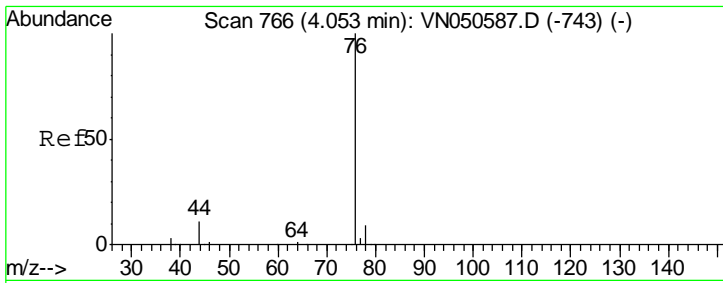
MMDadoda
 8/15/2018 3:31:25 PM



#16
 Acetone
 Concen: 110.88 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
43	100		
58	34.2	27.1	40.7



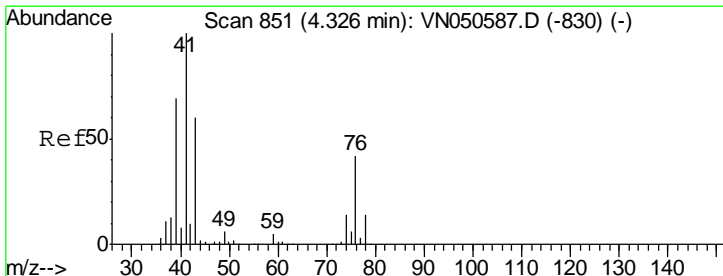
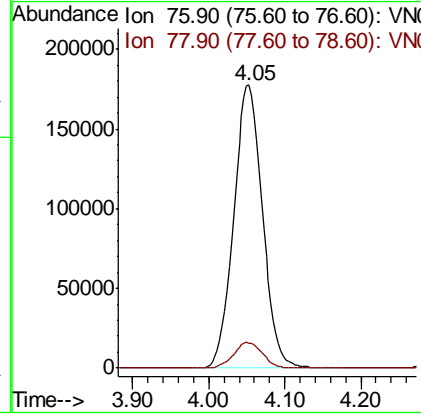
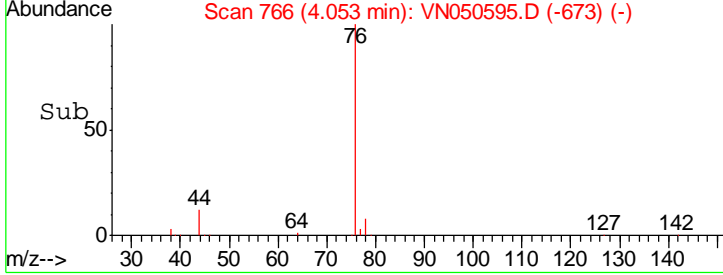
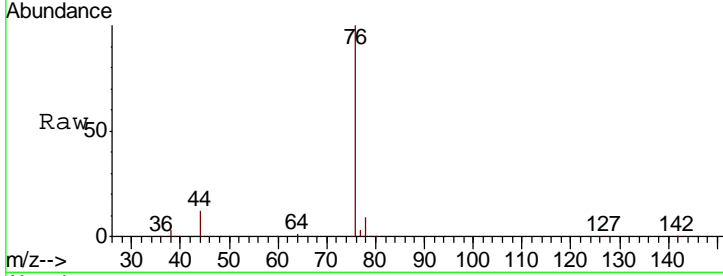


#17
 Carbon Disulfide
 Concen: 19.12 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
76	467284		
76	100		
78	9.0	7.3	10.9

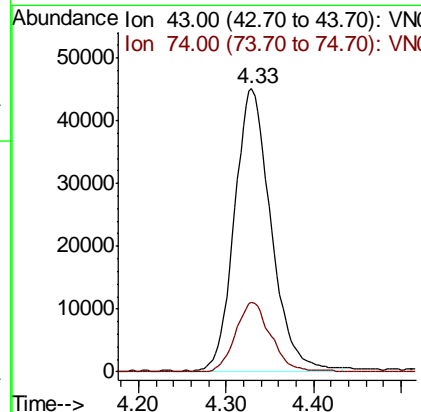
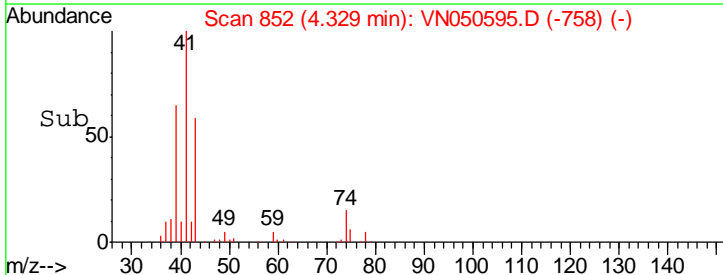
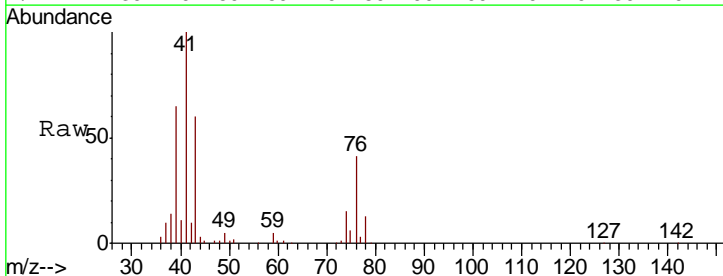
Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

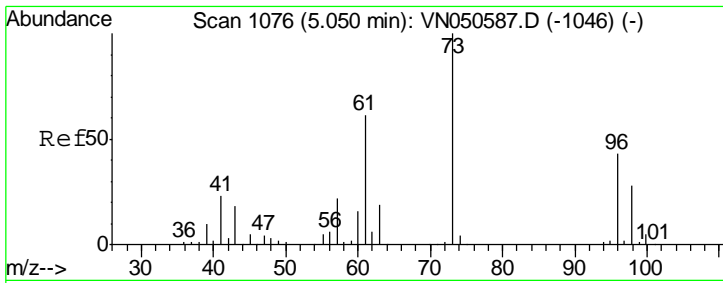
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#18
 Methyl Acetate
 Concen: 19.88 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
43	129800		
43	100		
74	23.8	19.7	29.5



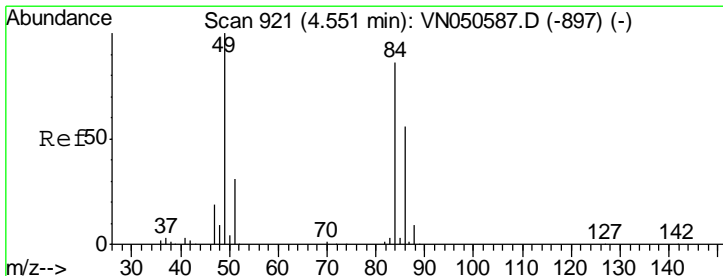
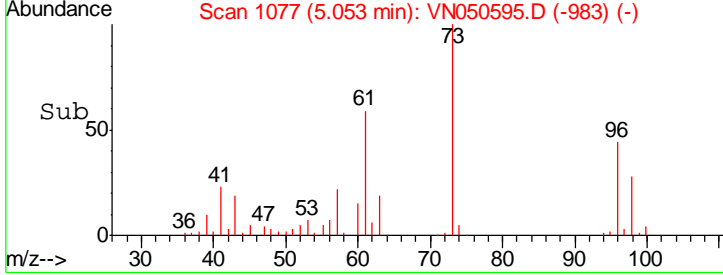
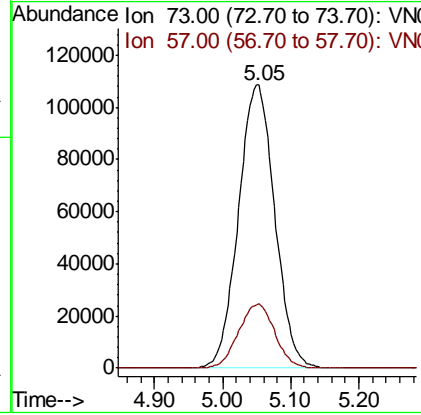
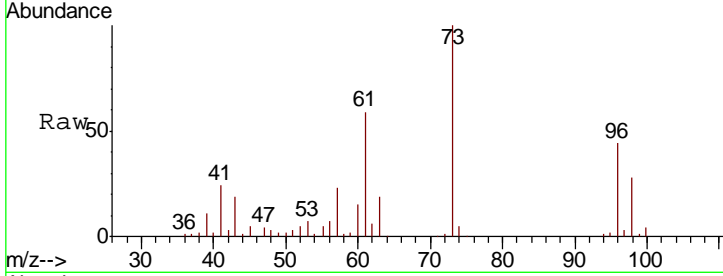


#19
 Methyl tert-butyl Ether
 Concen: 20.28 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

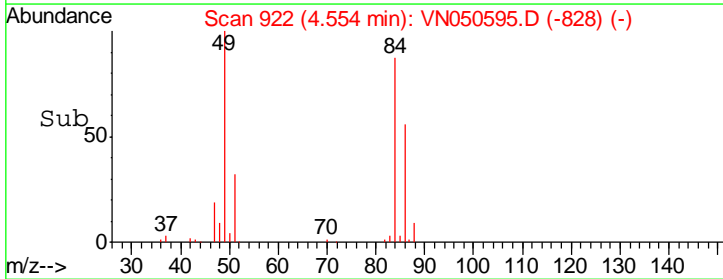
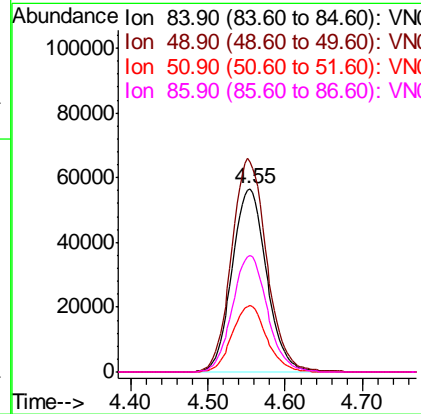
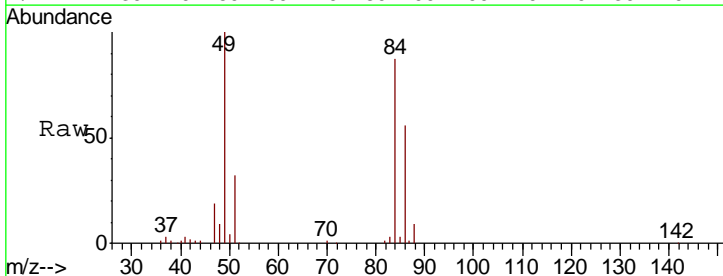
Tgt Ion: 73 Resp: 400844
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.9 26.9

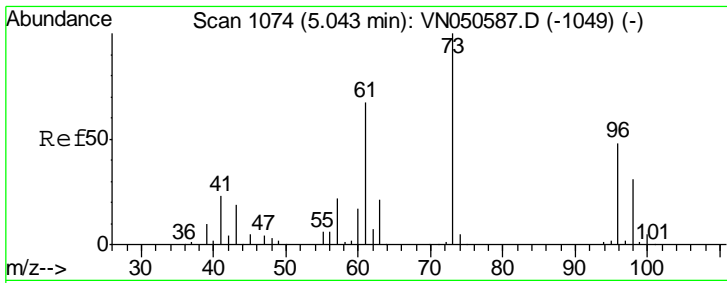
Manual Integrations
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#20
 Methylene Chloride
 Concen: 19.67 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion: 84 Resp: 175333
 Ion Ratio Lower Upper
 84 100
 49 114.9 92.6 138.8
 51 36.3 28.6 43.0
 86 63.9 52.2 78.2



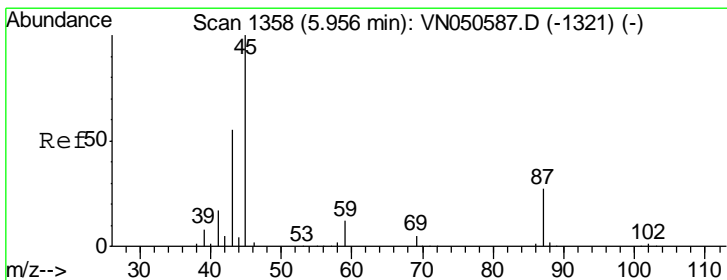
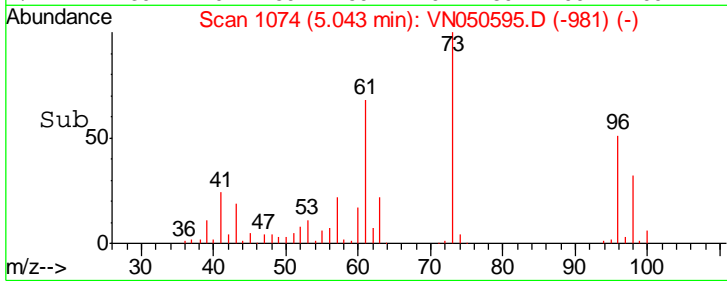
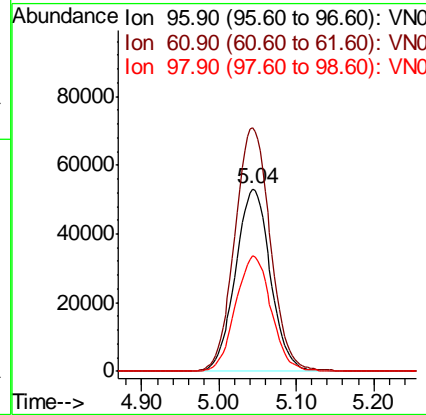
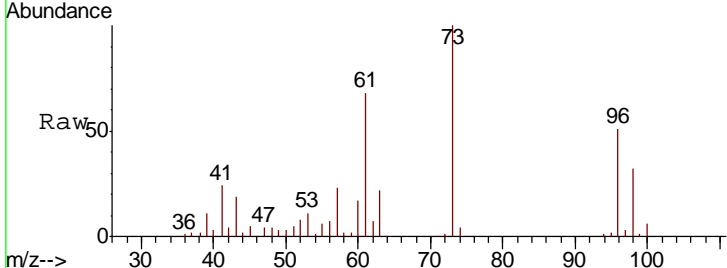


#21
 trans-1,2-Dichloroethene
 Concen: 19.79 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

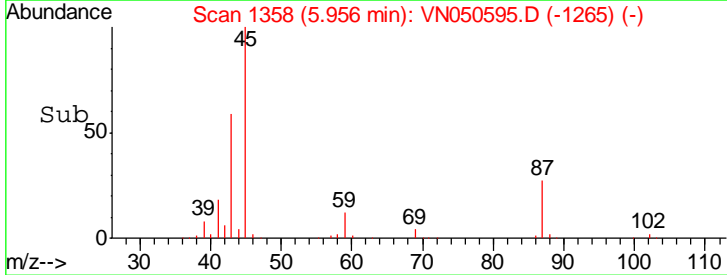
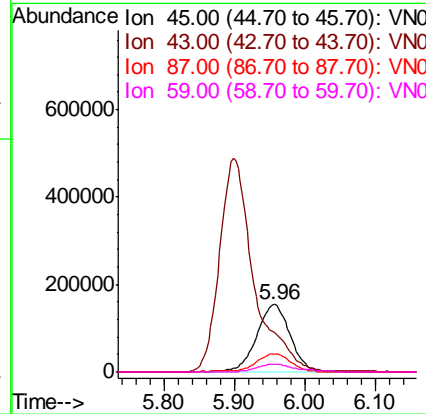
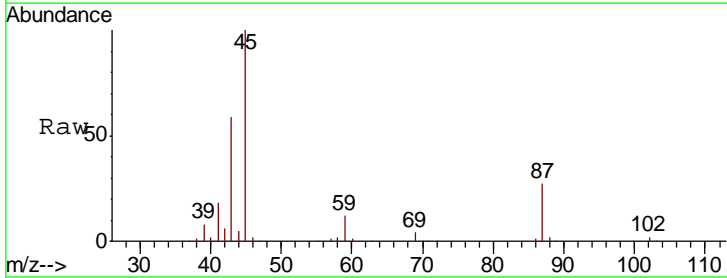
Tgt Ion	Resp	Lower	Upper
96	166670		
96	100		
61	133.4	111.2	166.8
98	63.1	51.6	77.4

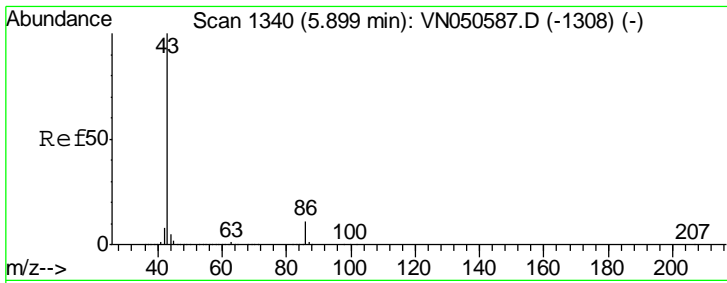
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#22
 Diisopropyl ether
 Concen: 20.71 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
45	512995		
45	100		
43	56.9	44.5	66.7
87	27.1	22.2	33.2
59	11.7	9.5	14.3





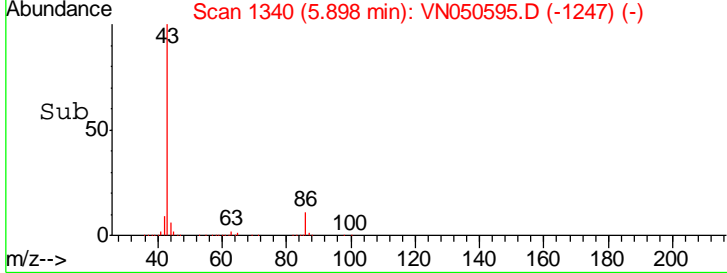
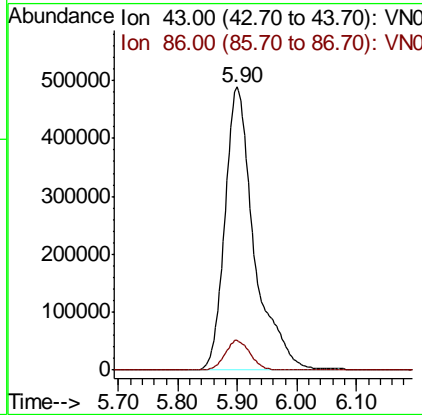
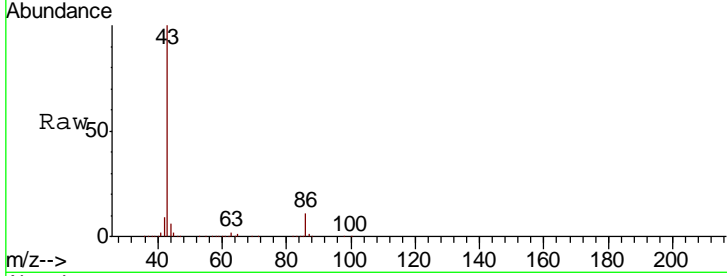
#23
 Vinyl Acetate
 Concen: 103.33 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

Tgt Ion: 43 Resp: 1674161

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.4	12.6

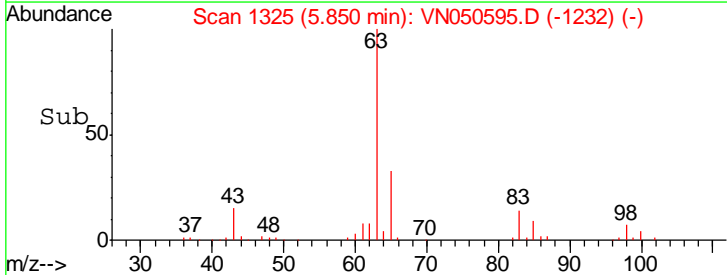
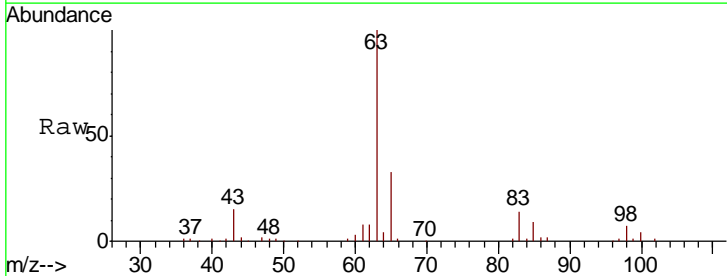
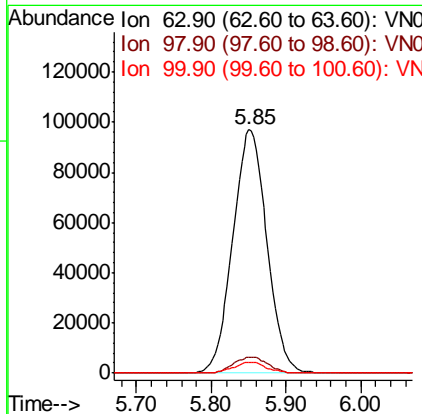
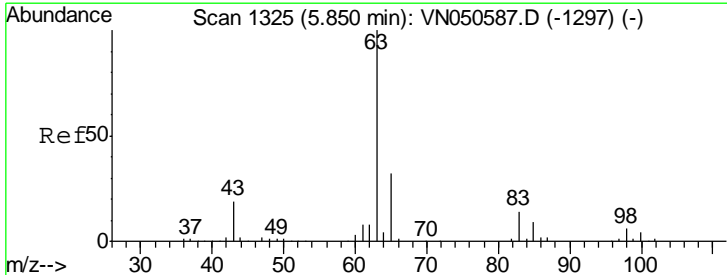
Manual Integrations
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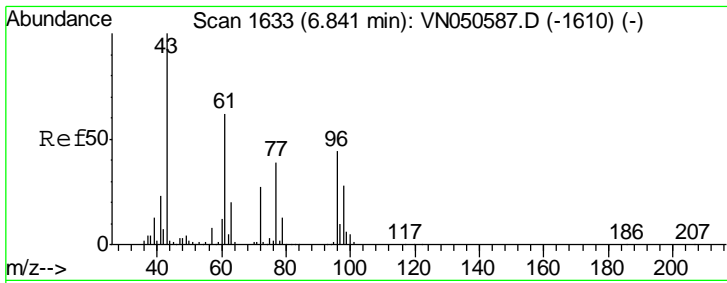


#24
 1,1-Dichloroethane
 Concen: 19.15 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion: 63 Resp: 306914

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.2	9.6
100	4.3	2.1	6.5





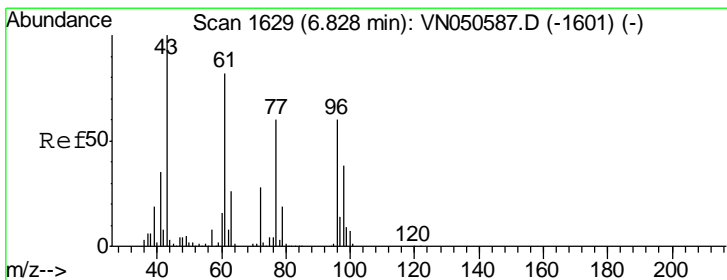
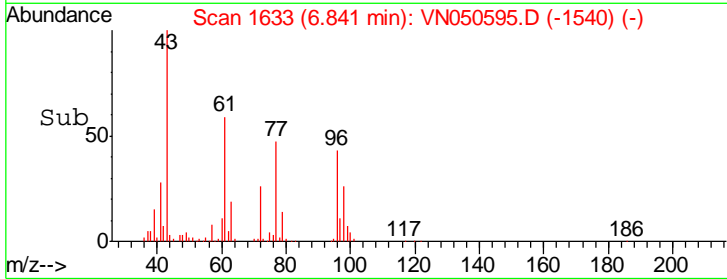
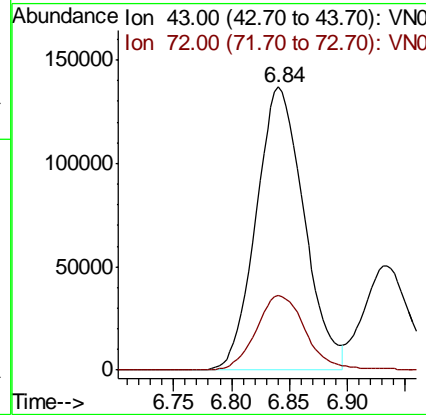
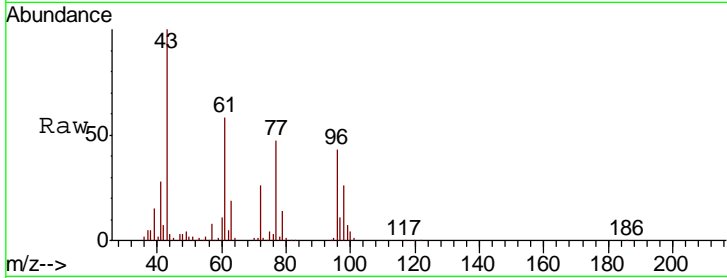
#25
 2-Butanone
 Concen: 105.83 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tgt Ion	Resp	Lower	Upper
43	100		
72	26.4	21.8	32.6

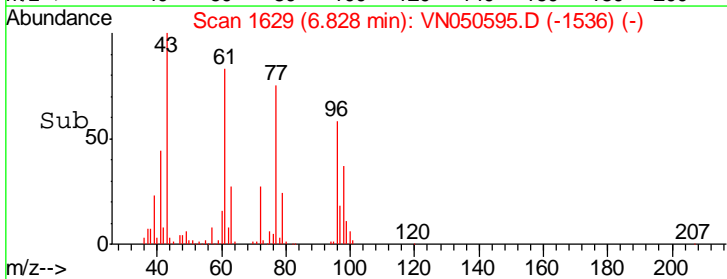
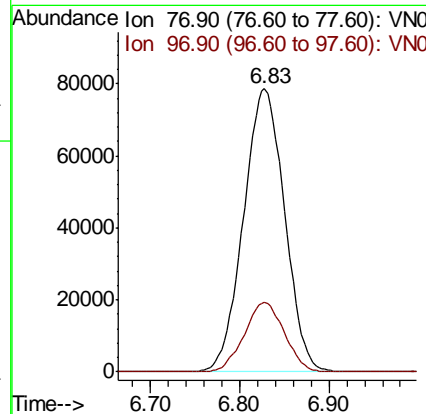
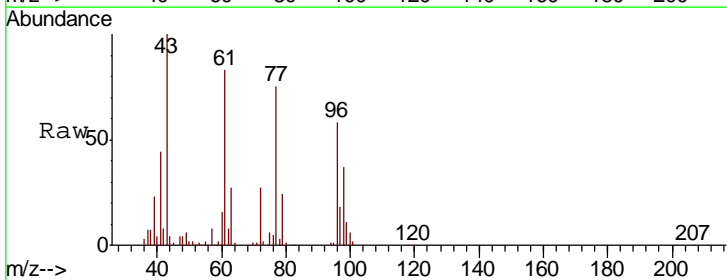
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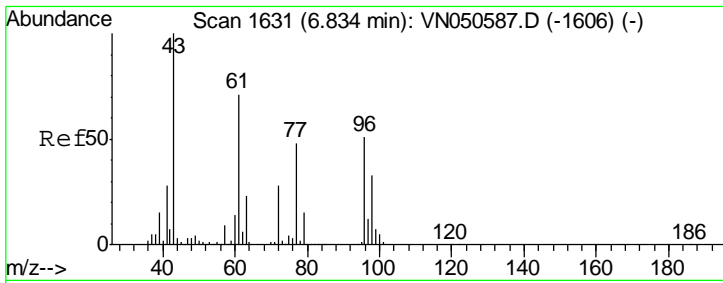
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#26
 2,2-Dichloropropane
 Concen: 23.42 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.2	12.2	36.4



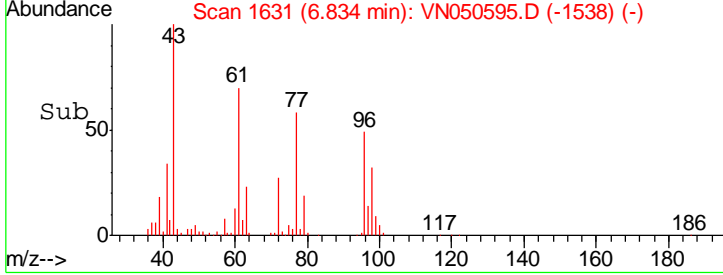
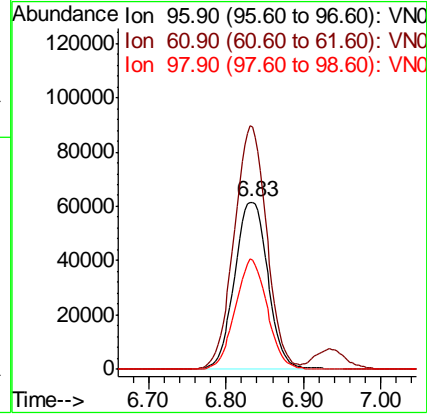
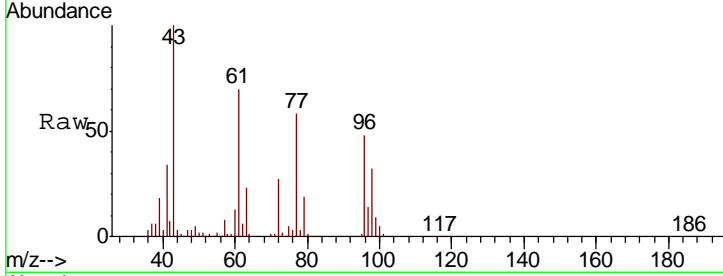


#27
 cis-1,2-Dichloroethene
 Concen: 19.64 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

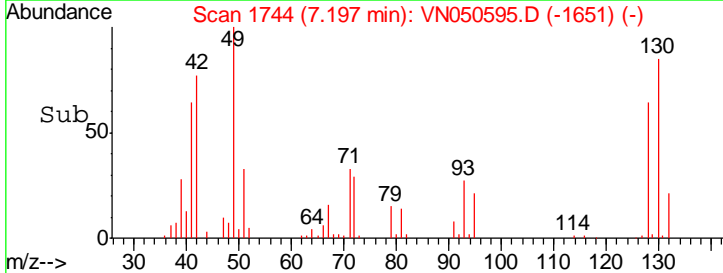
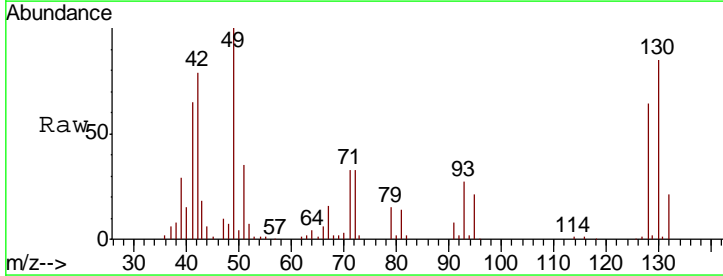
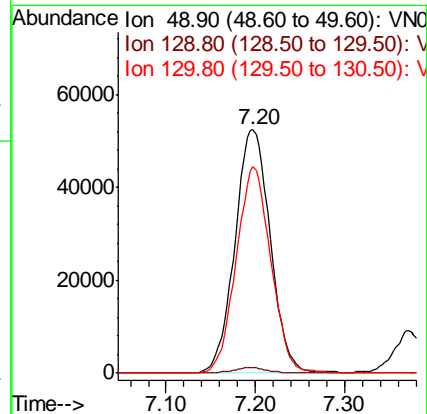
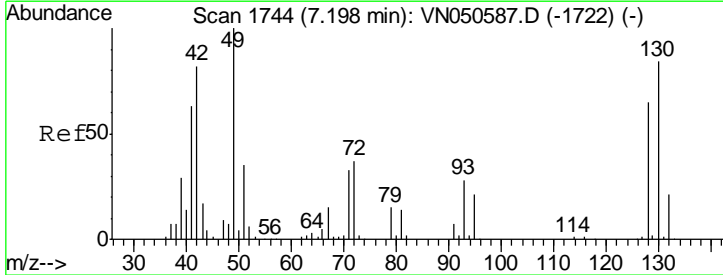
Tgt Ion	Resp	Lower	Upper
96	184141		
96	100		
61	142.4	0.0	278.2
98	62.9	0.0	128.8

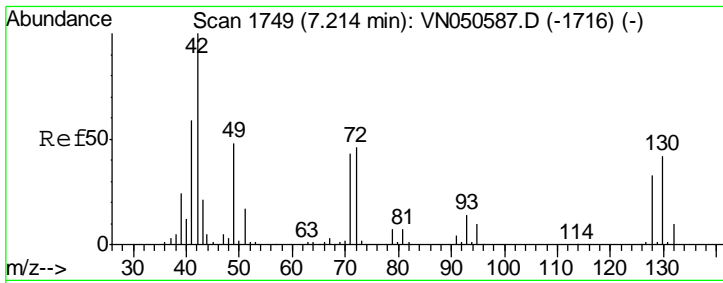
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#28
 Bromochloromethane
 Concen: 19.80 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
49	144404		
49	100		
129	1.9	0.0	4.2
130	83.0	66.8	100.2





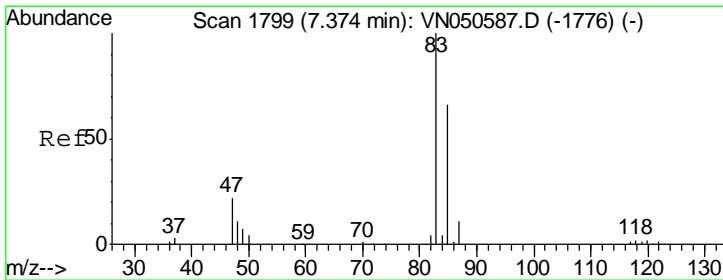
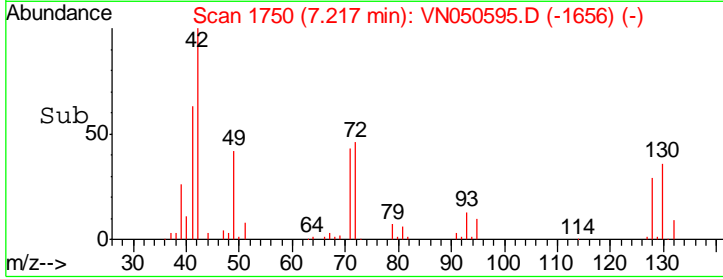
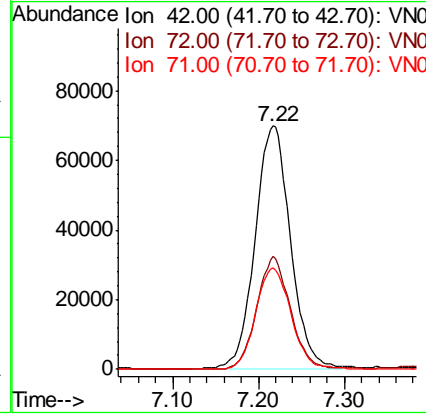
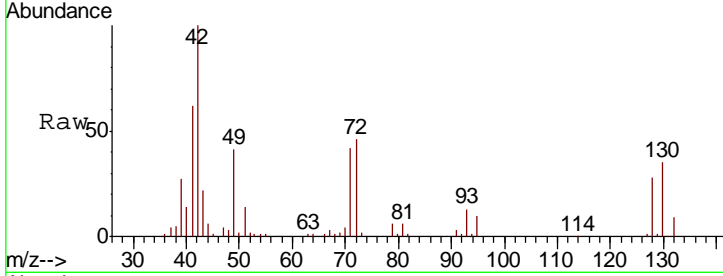
#29
 Tetrahydrofuran
 Concen: 104.08 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
42	100		
72	43.6	35.8	53.6
71	41.5	33.4	50.0

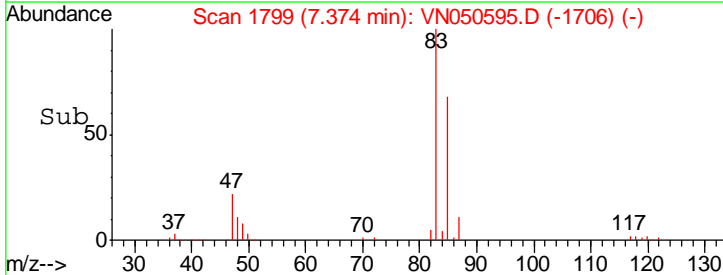
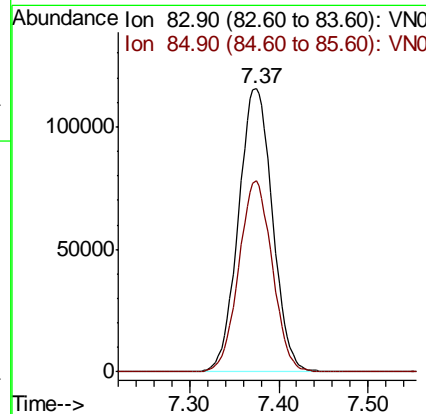
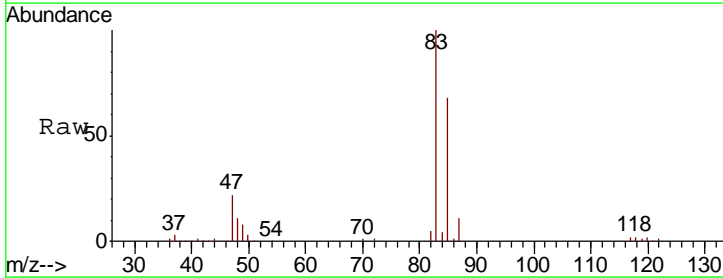
Manual Integrations
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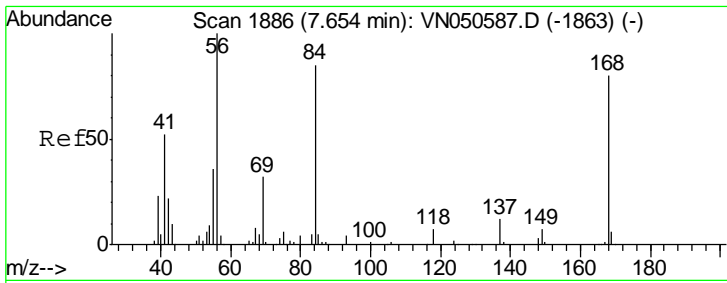
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#30
 Chloroform
 Concen: 18.82 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
83	100		
85	67.7	52.5	78.7





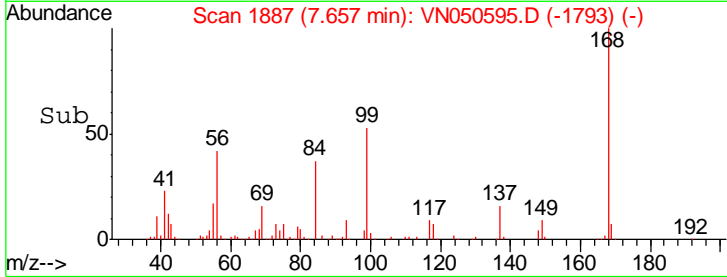
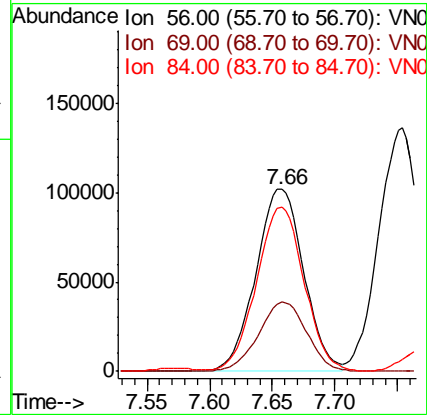
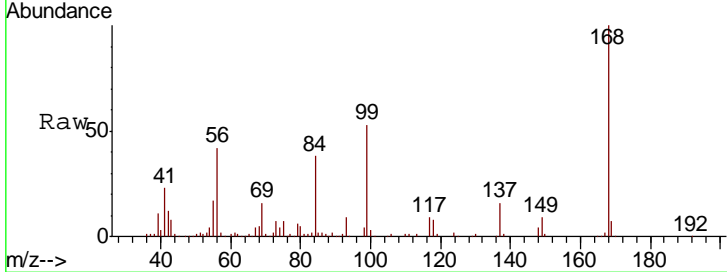
#31
 Cyclohexane
 Concen: 19.61 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tgt Ion	Resp	Lower	Upper
56	100		
69	38.1	25.8	38.6
84	88.9	67.8	101.6

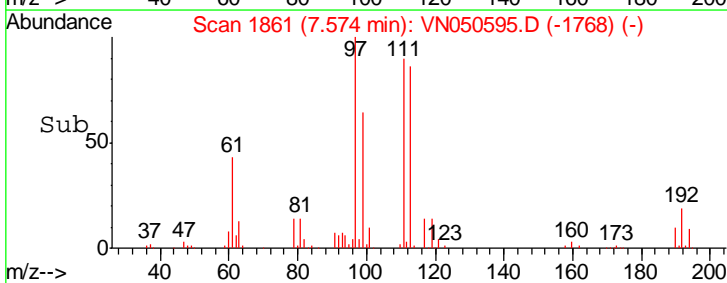
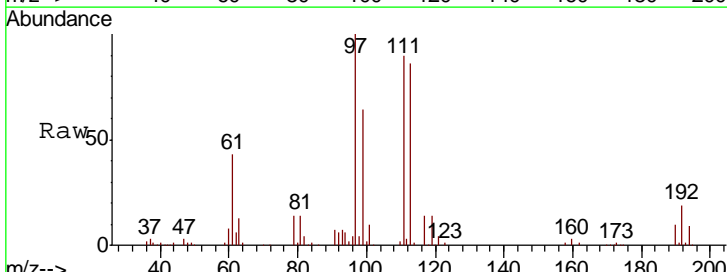
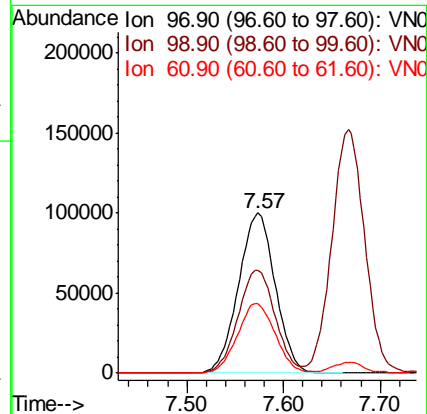
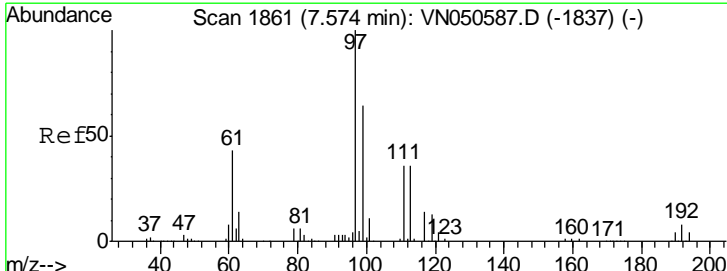
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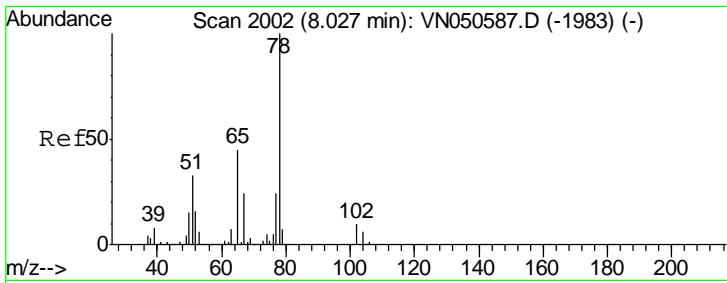
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 19.37 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
97	100		
99	65.2	51.1	76.7
61	44.4	34.8	52.2



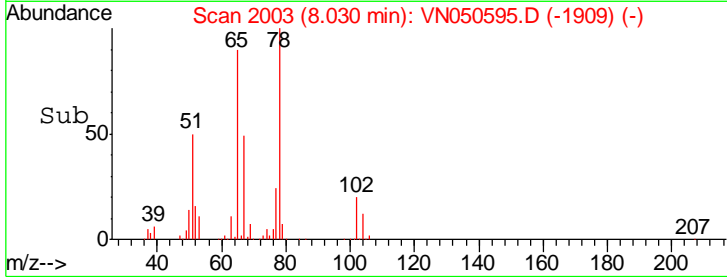
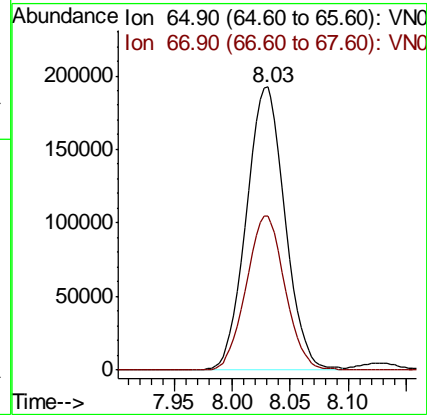
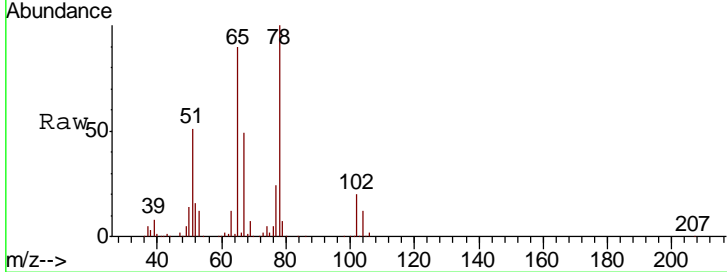


#33
 1,2-Dichloroethane-d4
 Concen: 49.57 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

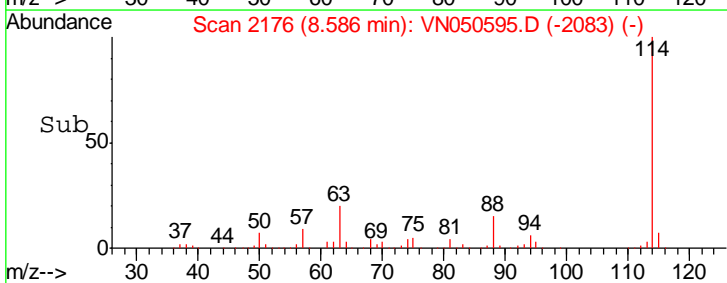
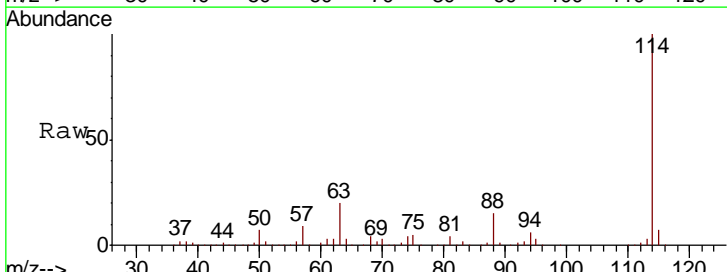
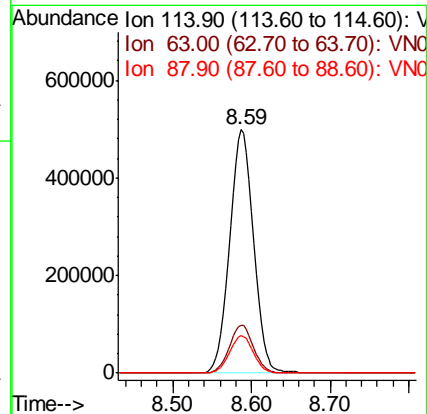
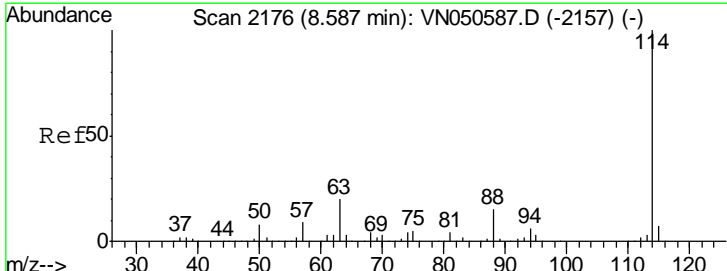
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.8	0.0	109.8

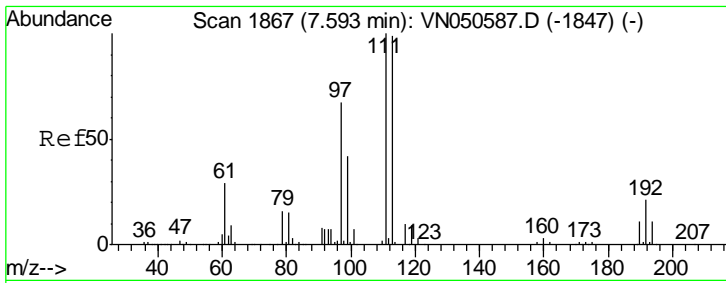
Manual Integrations
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 MMDadoda
 8/15/2018 3:31:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

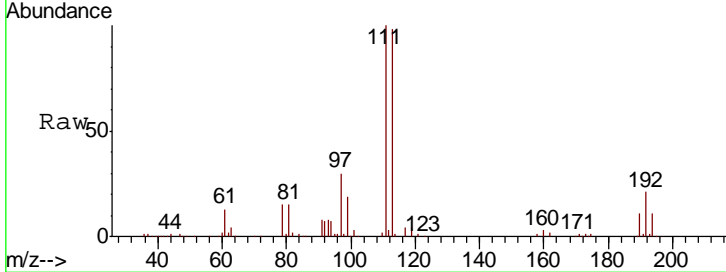
Tgt Ion	Resp	Lower	Upper
114	100		
63	19.7	0.0	40.0
88	15.4	0.0	30.8





#35
 Dibromofluoromethane
 Concen: 50.02 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

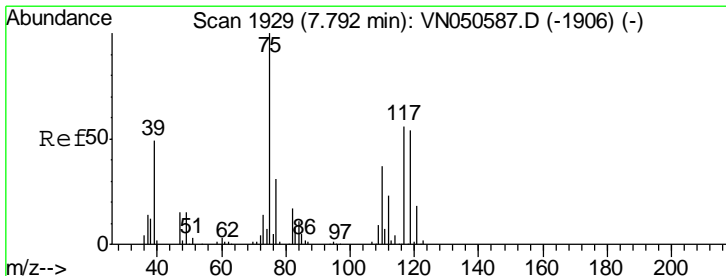
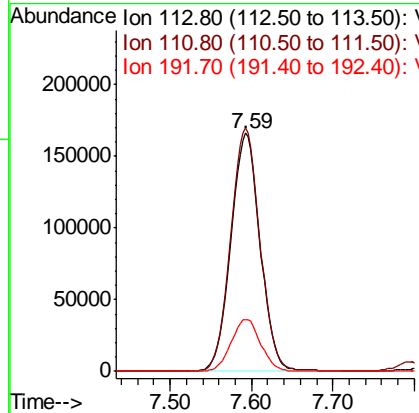
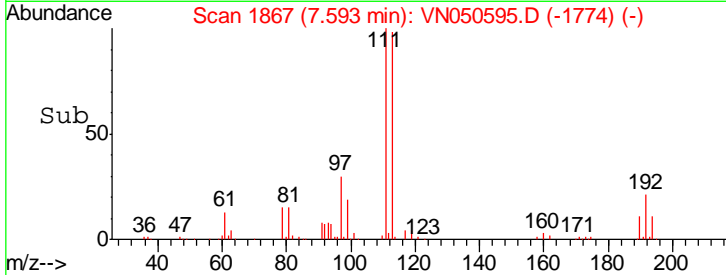
Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01



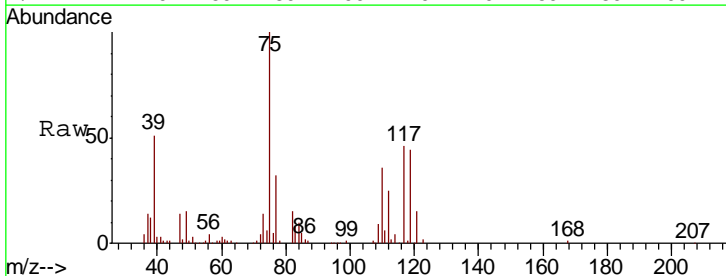
Tgt Ion: 113 Resp: 415962

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.0	121.6
192	22.0	17.6	26.4

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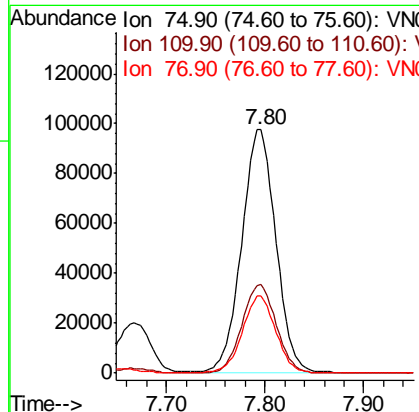
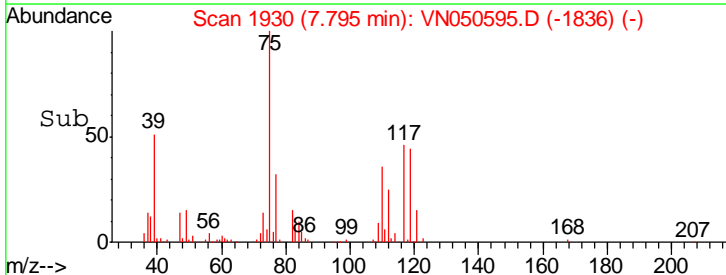


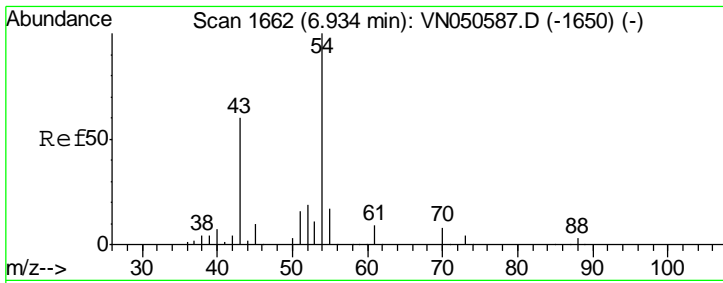
#36
 1,1-Dichloropropene
 Concen: 20.06 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18



Tgt Ion: 75 Resp: 232641

Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.3	54.9
77	31.3	25.0	37.4



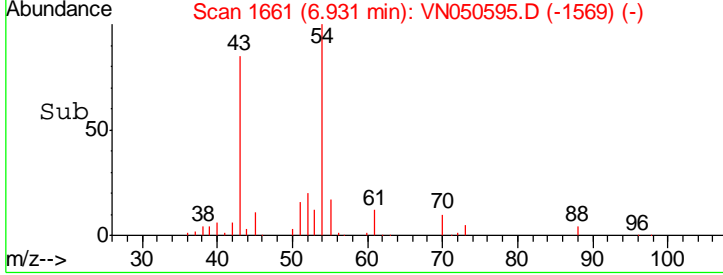
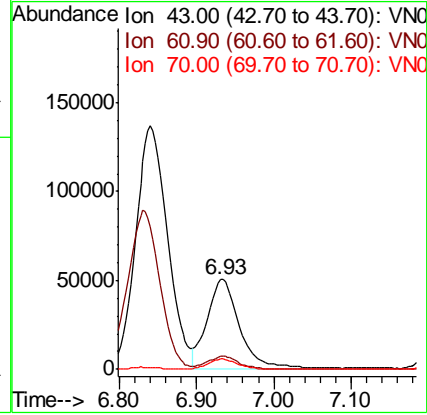
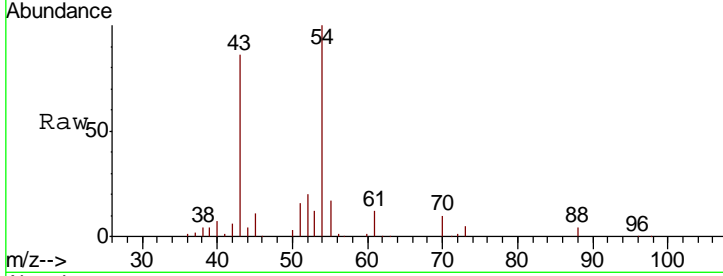


#37
 Ethyl Acetate
 Concen: 22.39 ug/l
 RT: 6.93 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

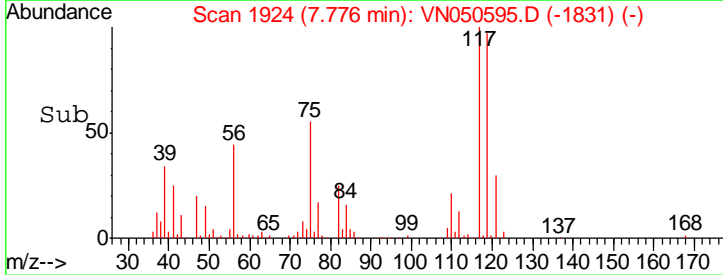
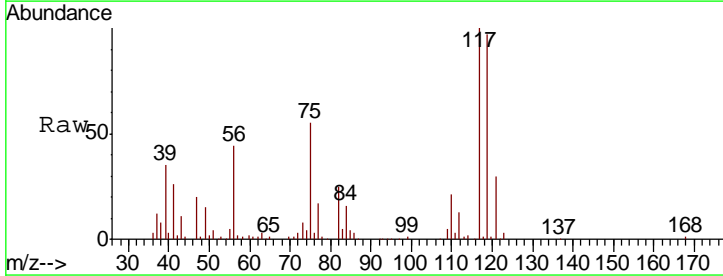
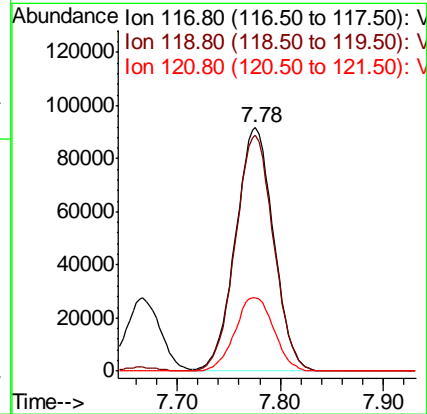
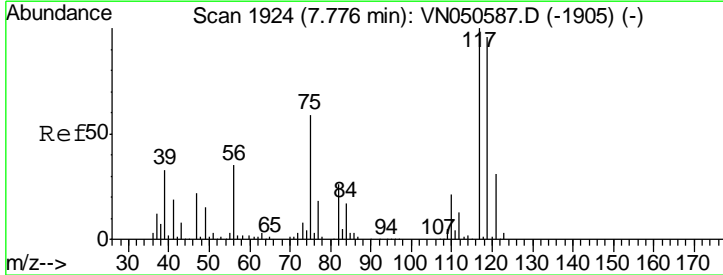
Tgt Ion	Resp	Lower	Upper
43	100		
61	14.3	12.0	18.0
70	10.9	8.5	12.7

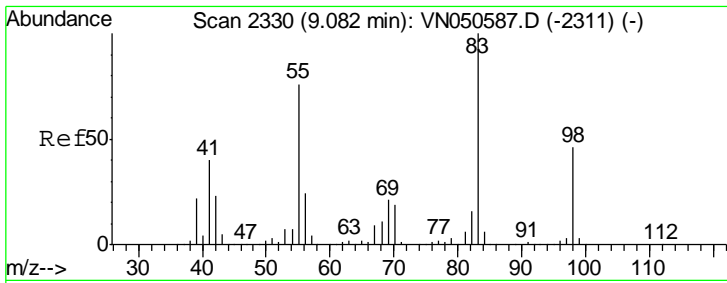
Manual Integrations
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#38
 Carbon Tetrachloride
 Concen: 19.60 ug/l
 RT: 7.78 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
117	100		
119	97.2	76.6	115.0
121	30.0	25.0	37.6



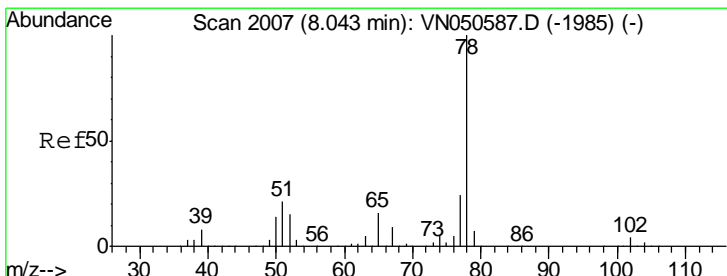
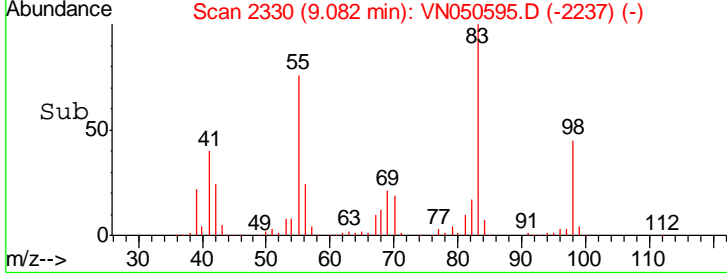
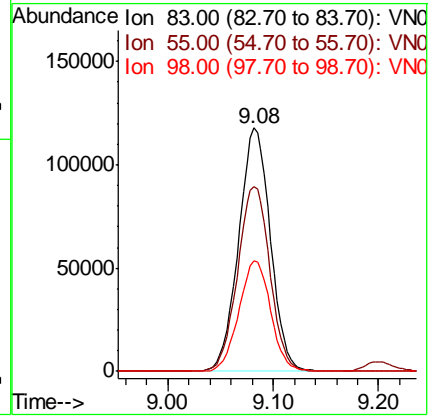
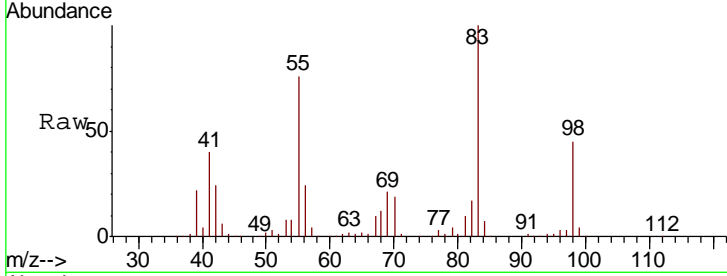


#39
 Methylcyclohexane
 Concen: 20.44 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

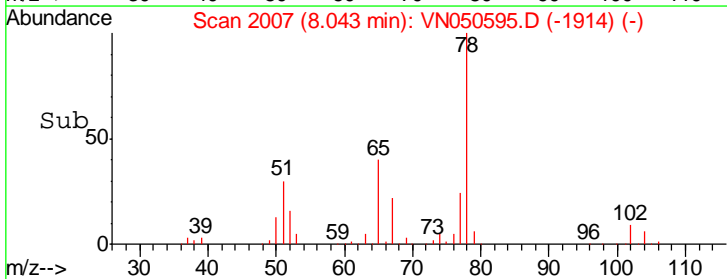
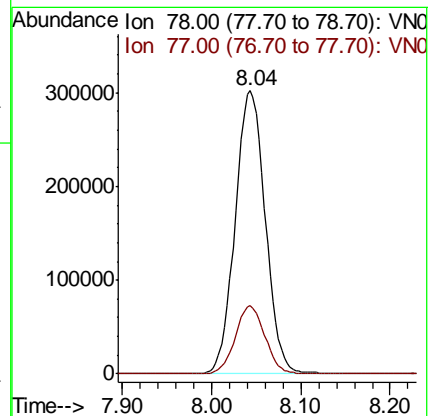
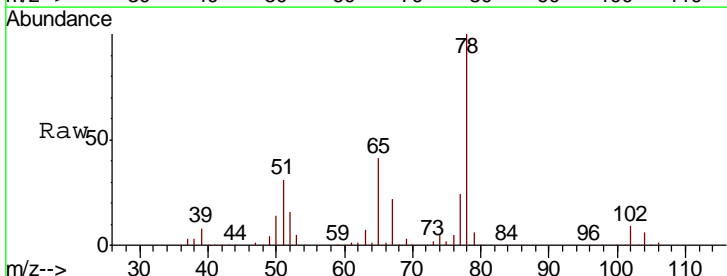
Tgt Ion	Resp	Lower	Upper
83	100		
55	75.9	60.6	91.0
98	45.2	37.0	55.4

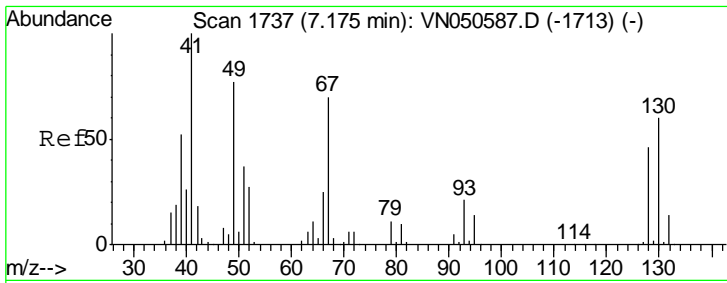
Manual Integrations
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#40
 Benzene
 Concen: 20.07 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

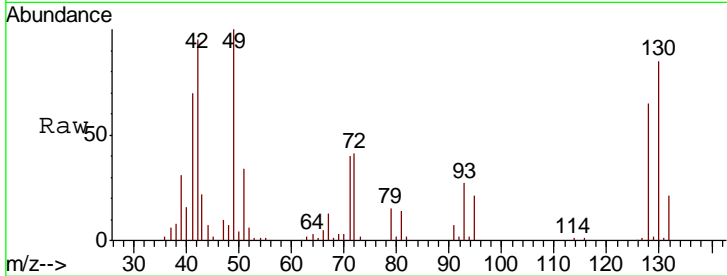
Tgt Ion	Resp	Lower	Upper
78	100		
77	23.9	19.0	28.6





#41
 Methacrylonitrile
 Concen: 28.45 ug/l m
 RT: 7.20 min Scan# 1745
 Delta R.T. 0.03 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

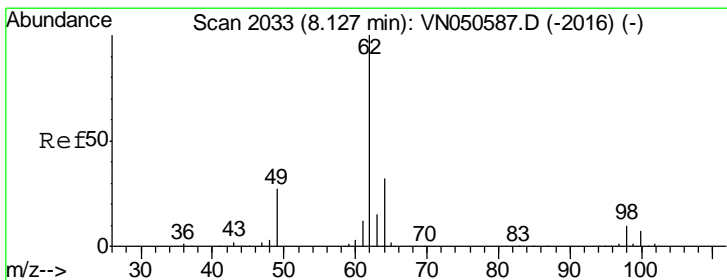
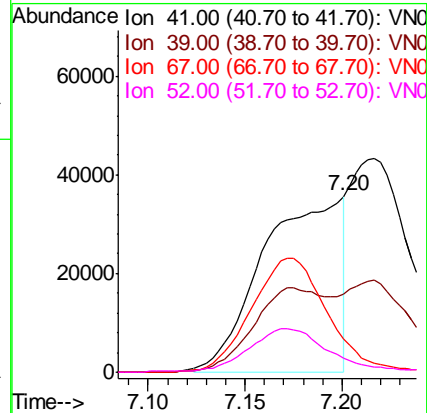
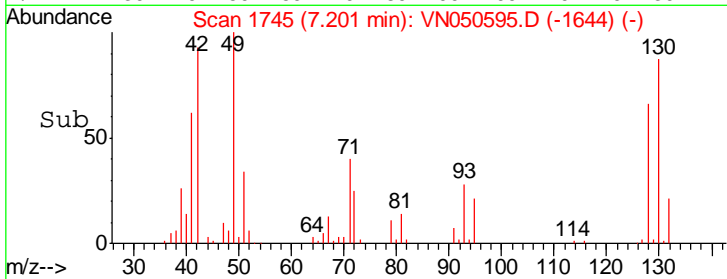


Tgt Ion: 41 Resp: 100813

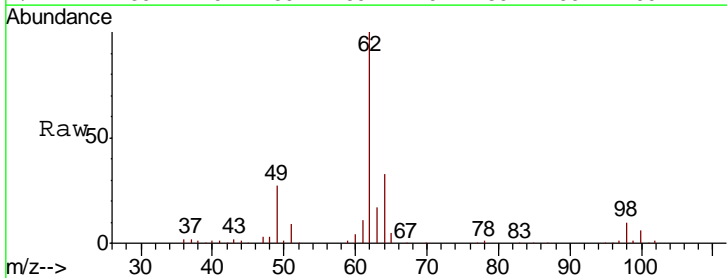
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	66.8#
67	0.0	66.7	100.1#
52	0.0	26.5	39.7#

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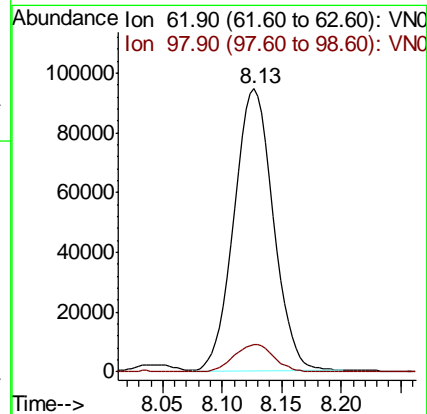
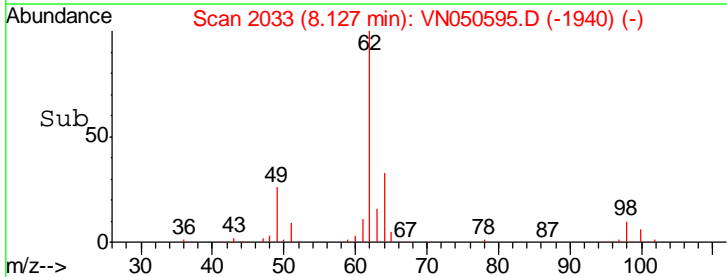


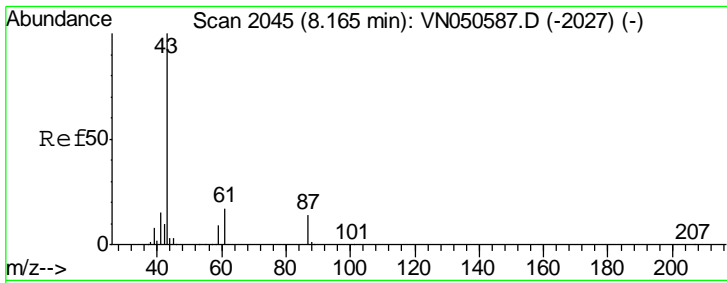
#42
 1,2-Dichloroethane
 Concen: 20.01 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18



Tgt Ion: 62 Resp: 216369

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4



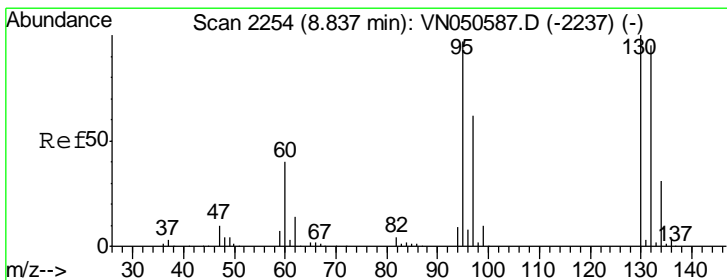
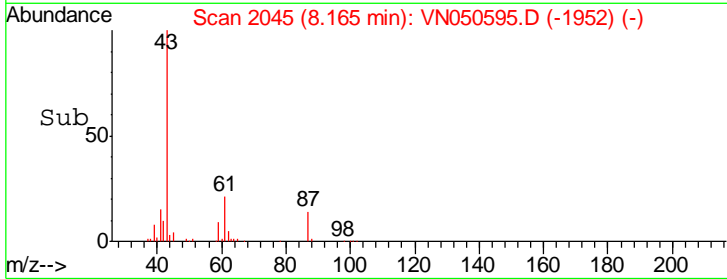
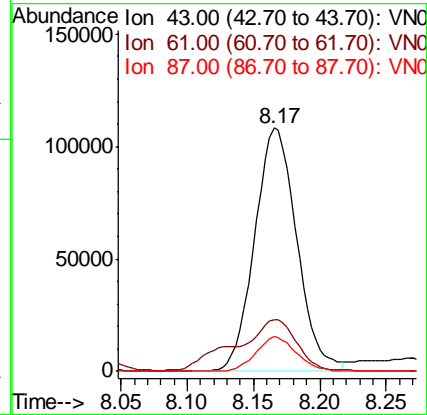
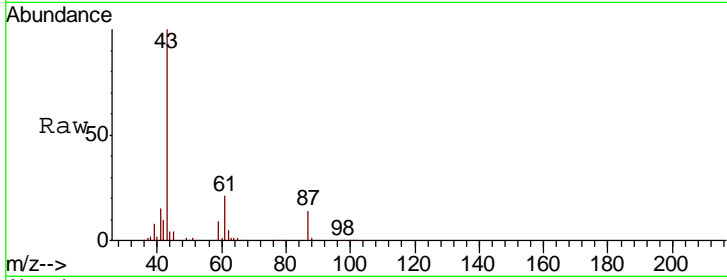


#43
 Isopropyl Acetate
 Concen: 20.12 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

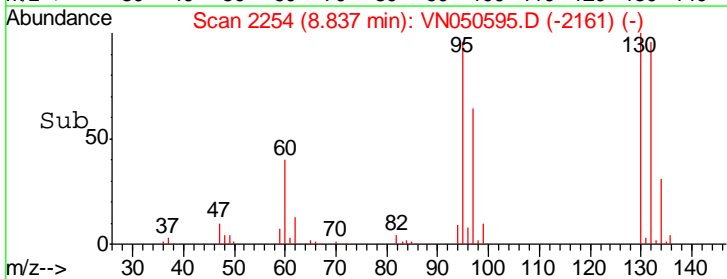
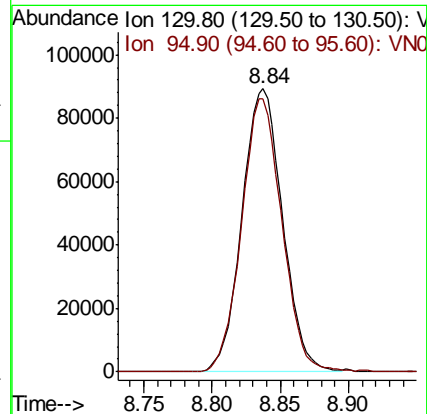
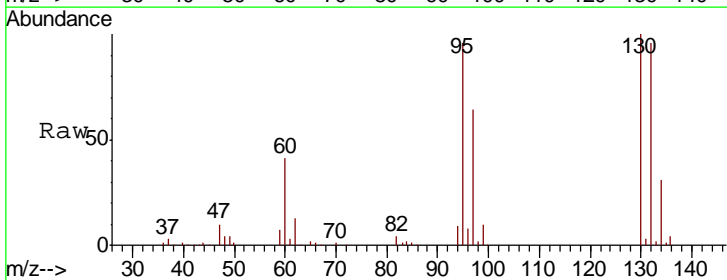
Tgt Ion	Resp	Lower	Upper
43	100		
61	30.4	16.2	24.2#
87	13.7	10.9	16.3

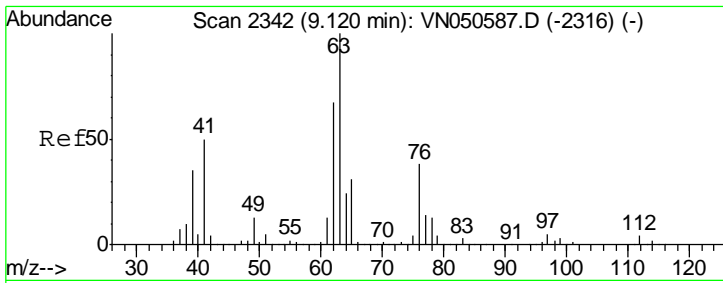
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#44
 Trichloroethene
 Concen: 19.50 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.4	0.0	193.8



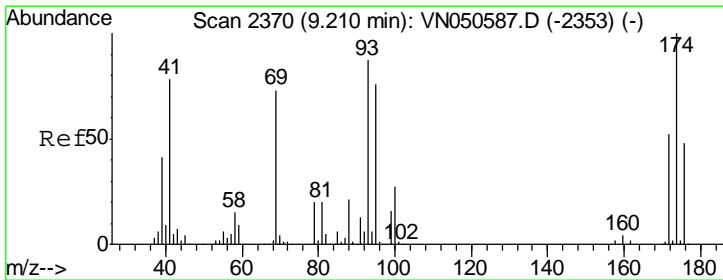
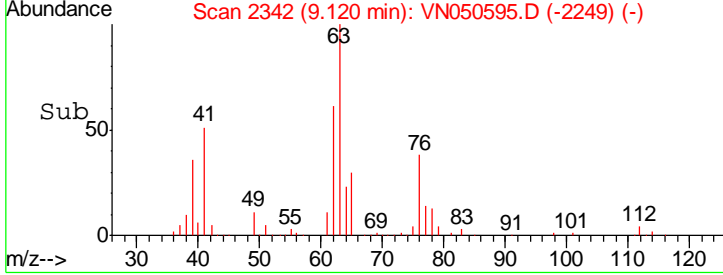
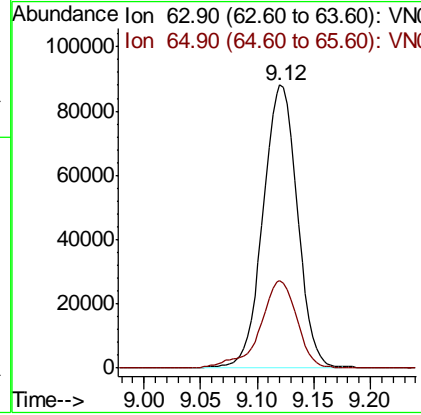
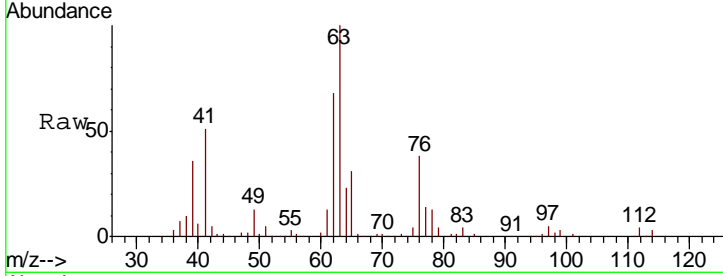


#45
 1,2-Dichloropropane
 Concen: 19.78 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

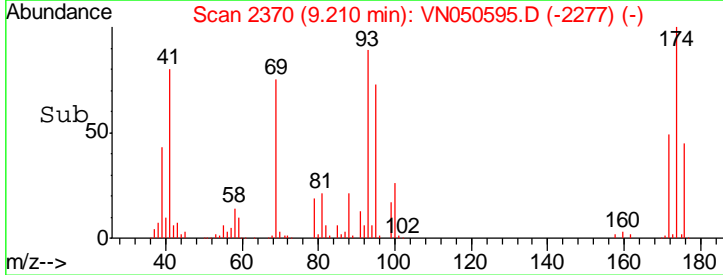
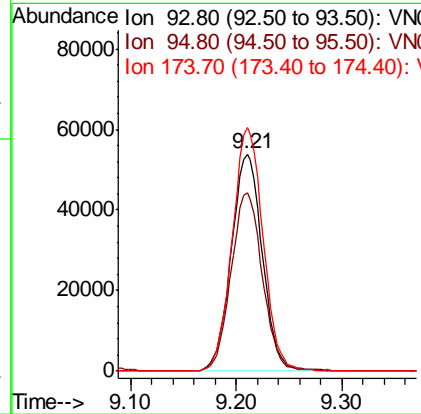
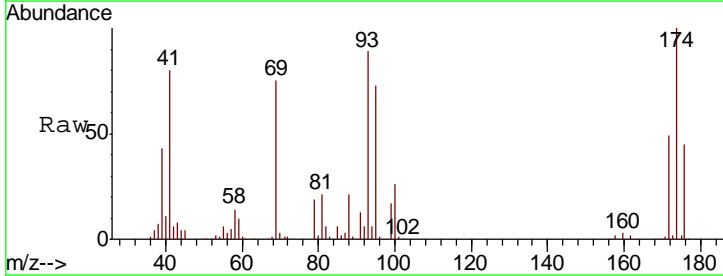
Tgt Ion	Resp	Lower	Upper
63	185795		
63	100		
65	31.1	24.5	36.7

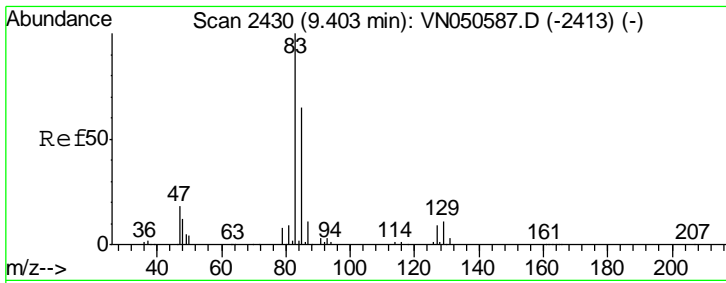
Manual Integrations
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#46
 Dibromomethane
 Concen: 19.78 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
93	109679		
93	100		
95	82.4	69.1	103.7
174	111.5	91.0	136.6



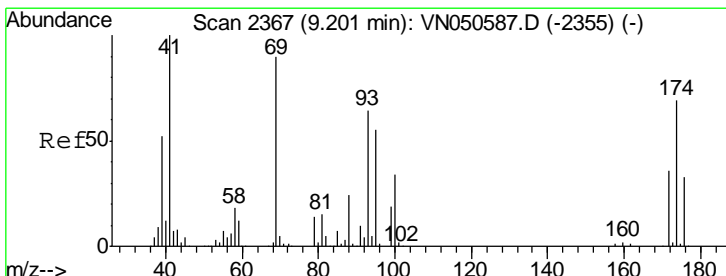
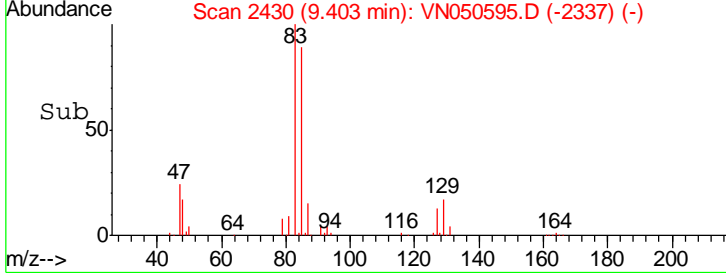
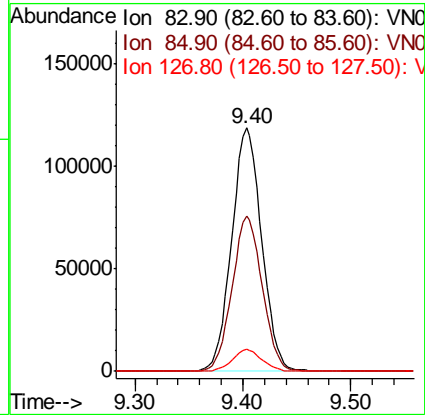
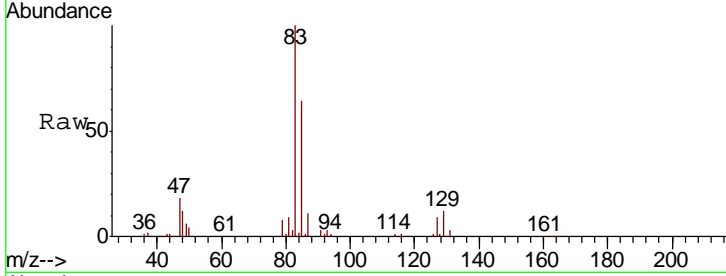


#47
 Bromodichloromethane
 Concen: 19.43 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

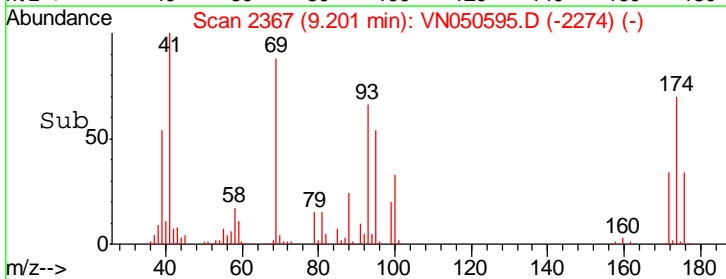
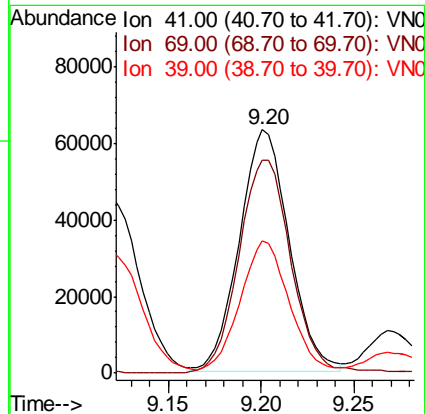
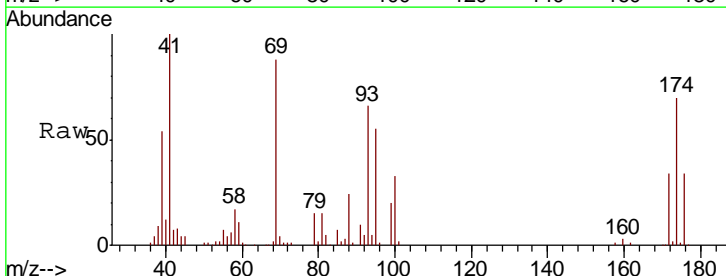
Tgt Ion	Resp	Lower	Upper
83	100		
85	63.9	51.8	77.6
127	9.0	7.2	10.8

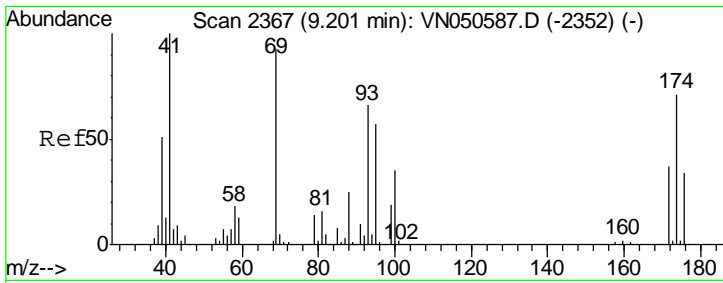
Manual Integrations
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#48
 Methyl methacrylate
 Concen: 19.84 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
41	100		
69	91.9	73.4	110.0
39	53.2	43.0	64.6





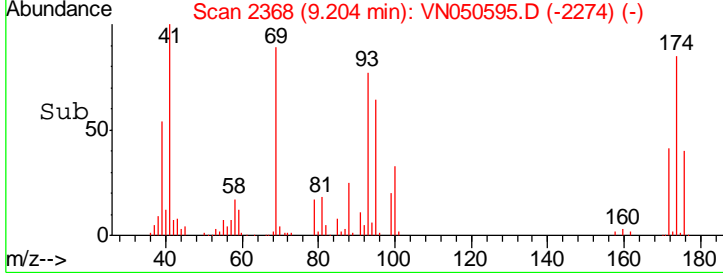
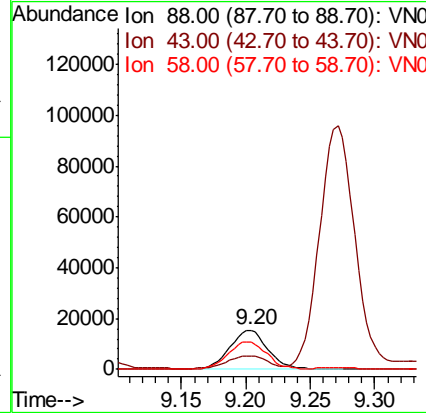
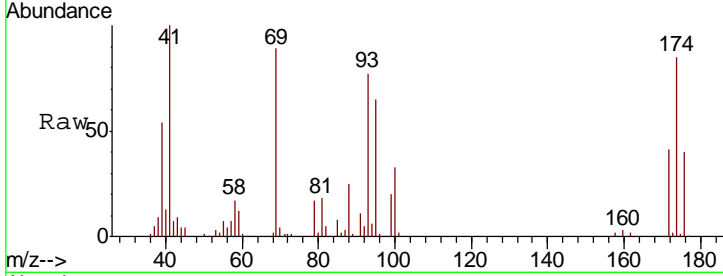
#49
 1,4-Dioxane
 Concen: 399.92 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tgt Ion	Resp	Lower	Upper
88	31665		
88	100		
43	34.3	25.9	38.9
58	70.9	56.5	84.7

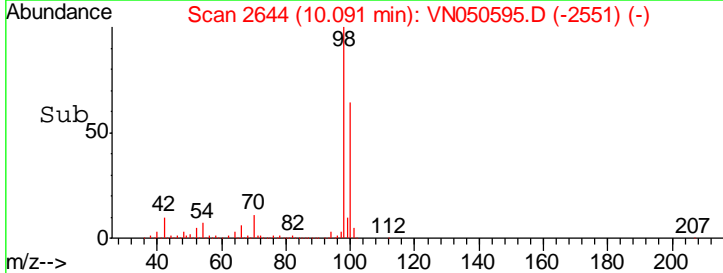
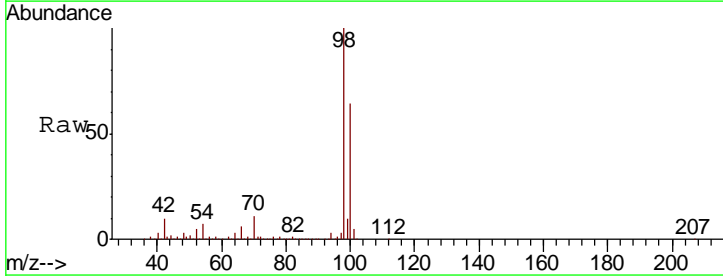
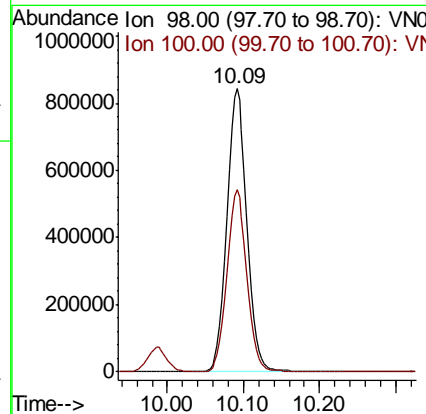
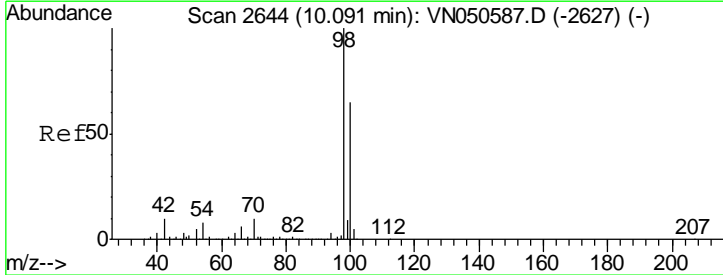
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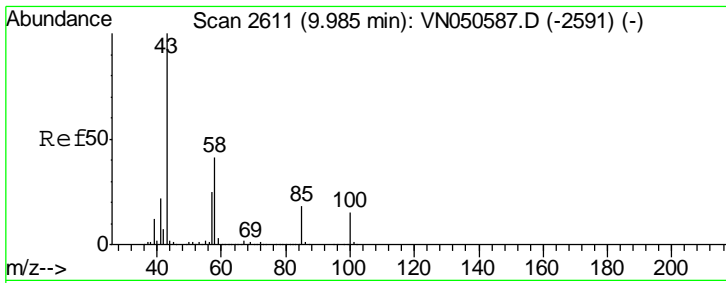
MMDadoda
 8/15/2018 3:31:25 PM



#50
 Toluene-d8
 Concen: 49.23 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
98	1540710		
98	100		
100	64.1	51.8	77.8





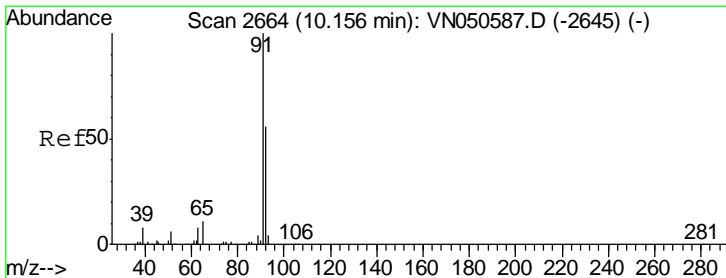
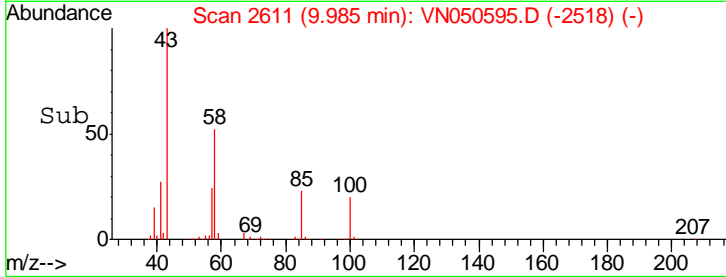
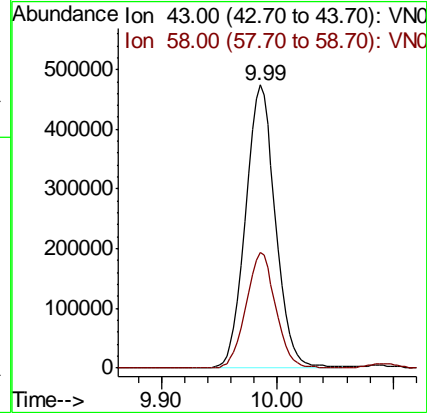
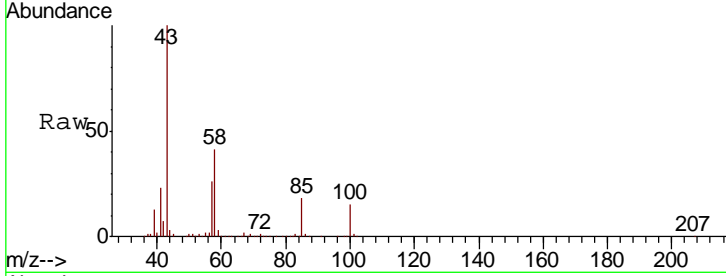
#51
 4-Methyl-2-Pentanone
 Concen: 104.92 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
43	100		
58	40.6	32.5	48.7

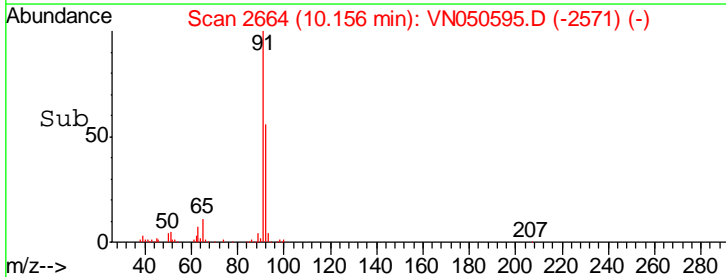
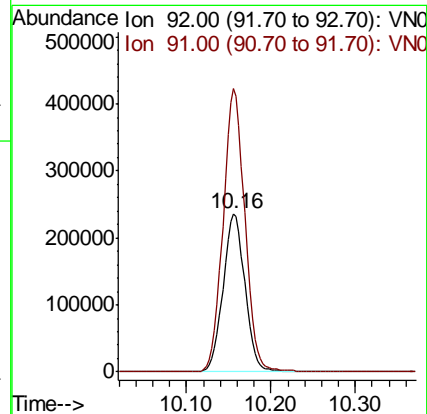
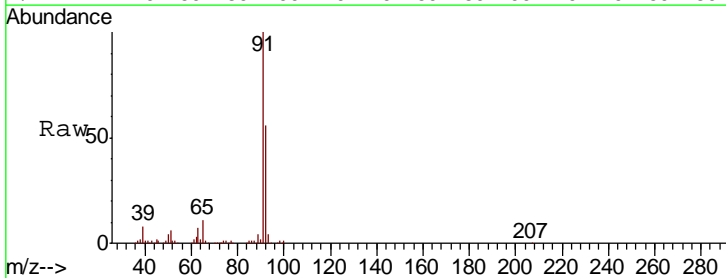
Manual Integrations
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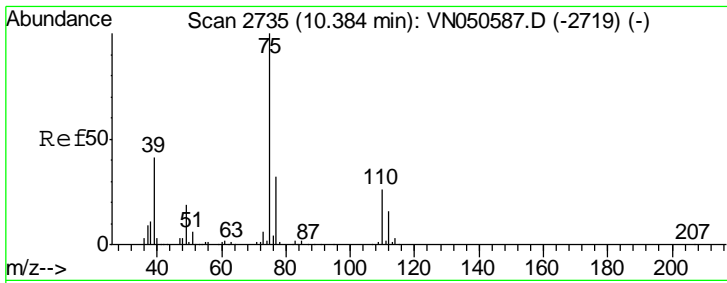
MMDadoda
 8/15/2018 3:31:25 PM



#52
 Toluene
 Concen: 20.24 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
92	100		
91	178.1	141.9	212.9



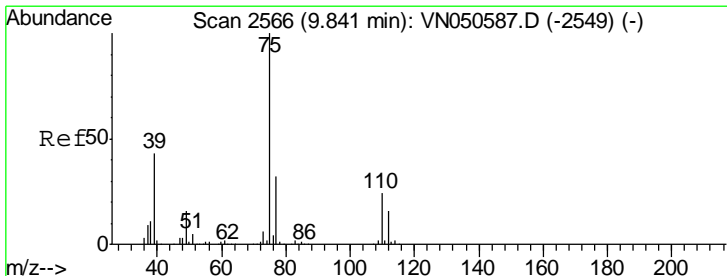
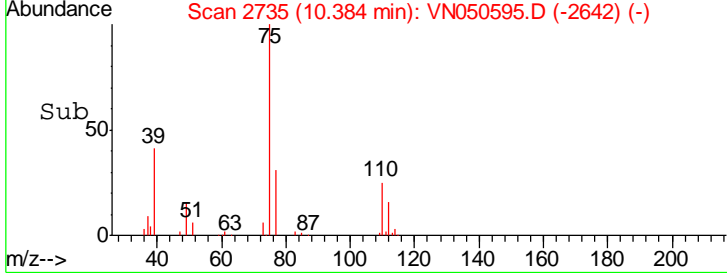
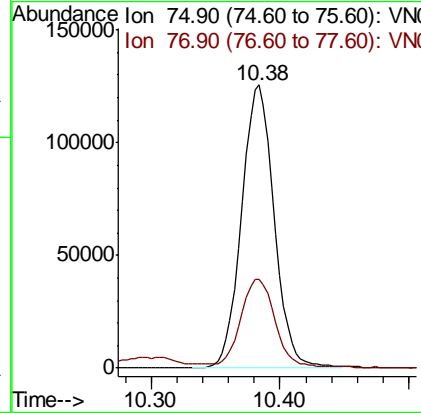
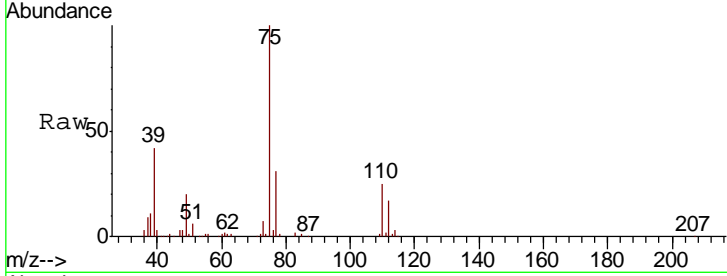


#53
 t-1,3-Dichloropropene
 Concen: 20.03 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

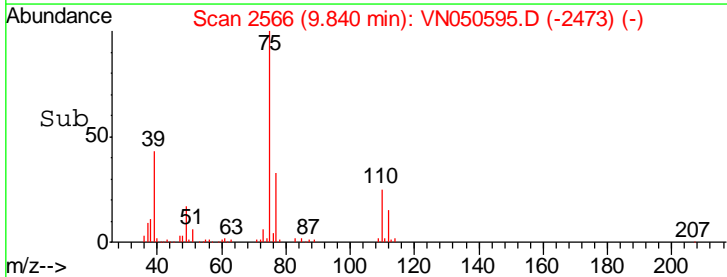
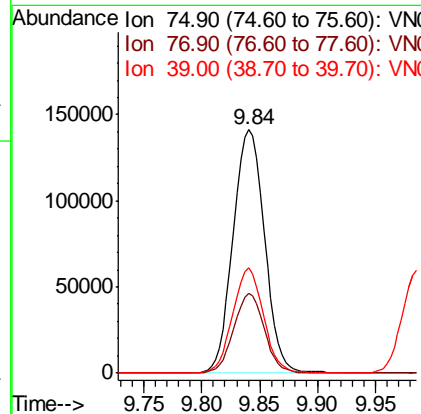
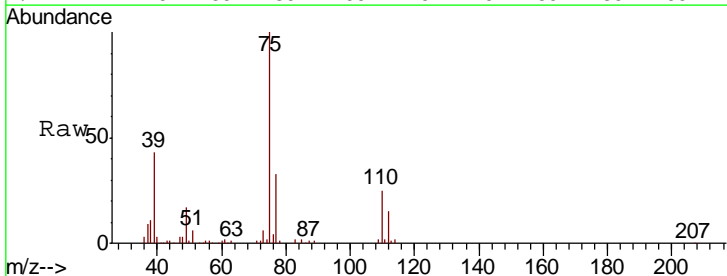
Tgt Ion	Resp	Lower	Upper
75	221157		
75	100		
77	30.9	25.8	38.6

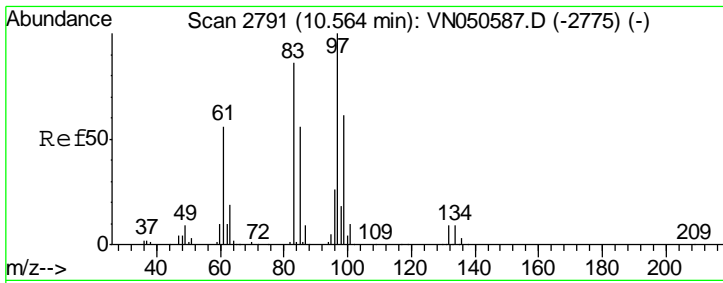
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 21.00 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
75	265975		
75	100		
77	32.6	25.6	38.4
39	43.3	34.4	51.6



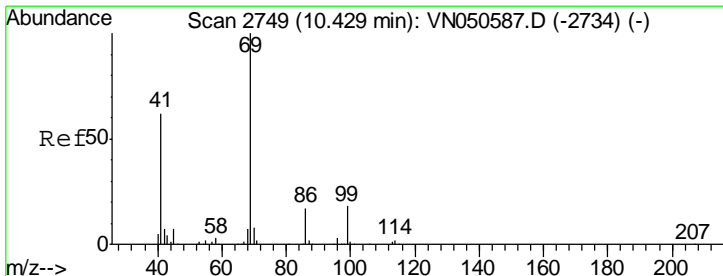
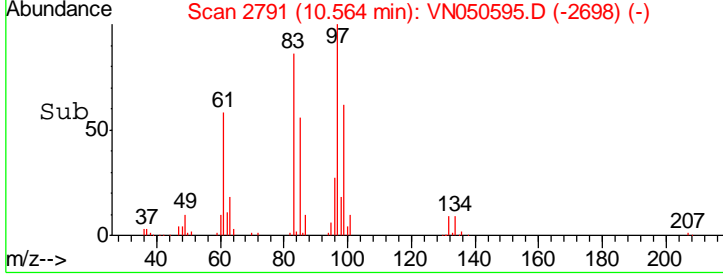
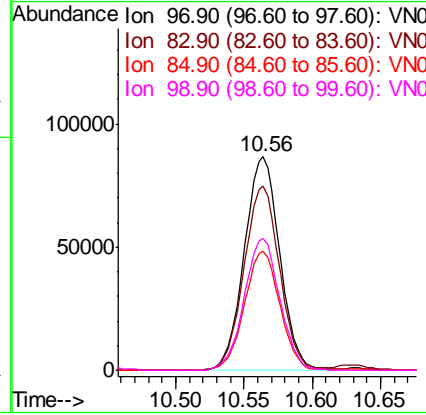
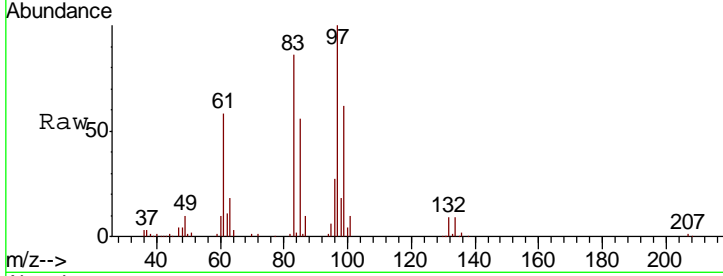


#55
 1,1,2-Trichloroethane
 Concen: 19.93 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

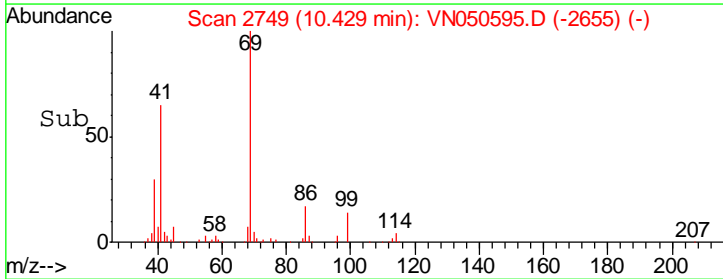
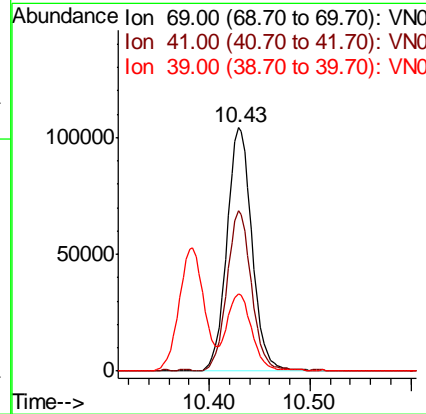
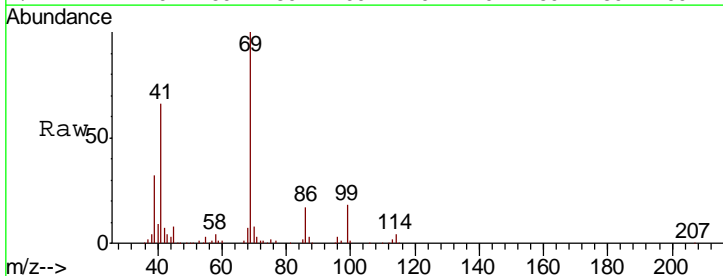
Tgt Ion	Resp	Lower	Upper
97	156799		
97	100		
83	86.1	68.5	102.7
85	55.6	44.6	66.8
99	61.9	49.1	73.7

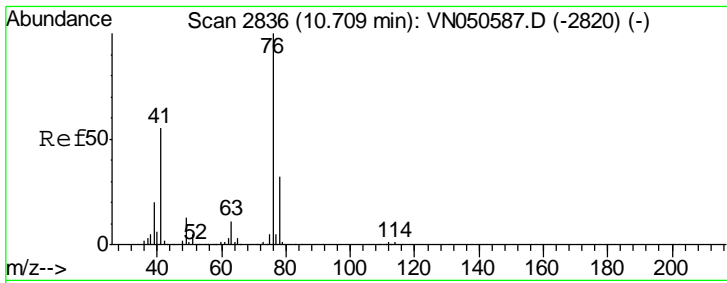
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#56
 Ethyl methacrylate
 Concen: 19.29 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
69	181420		
69	100		
41	63.7	49.7	74.5
39	31.1	24.2	36.2



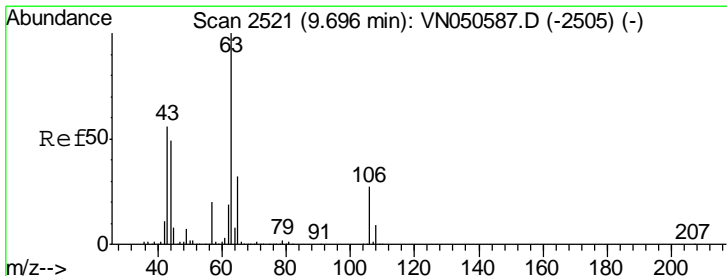
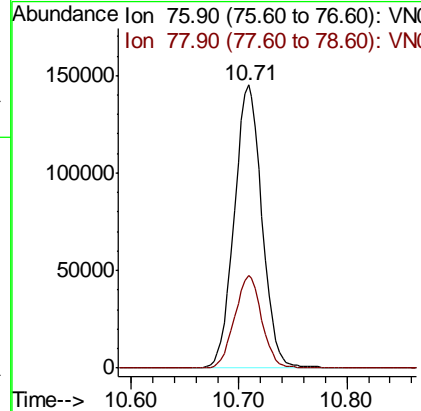
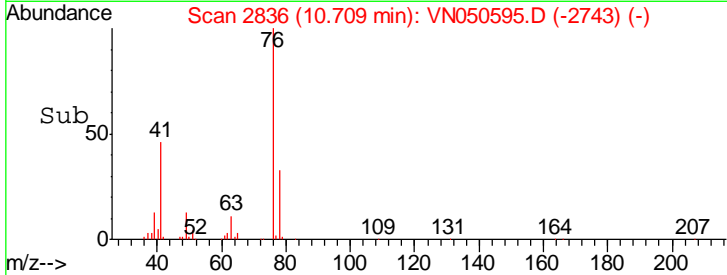
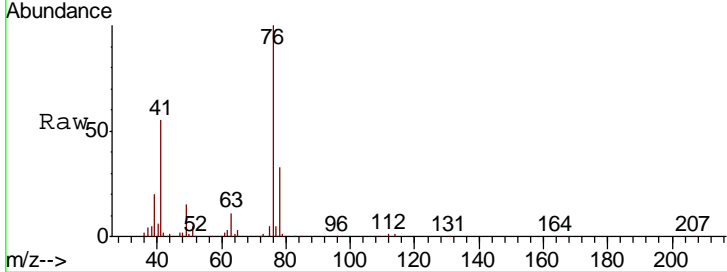


#57
 1,3-Dichloropropane
 Concen: 20.11 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

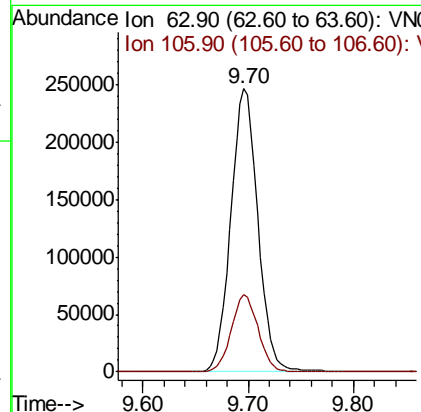
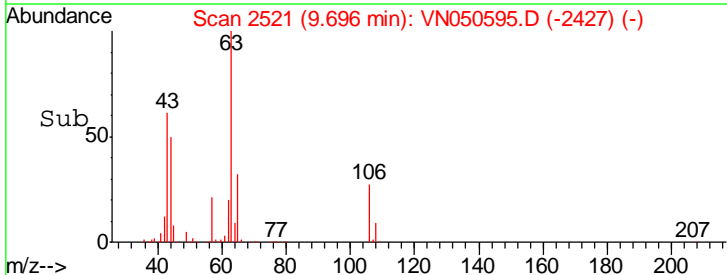
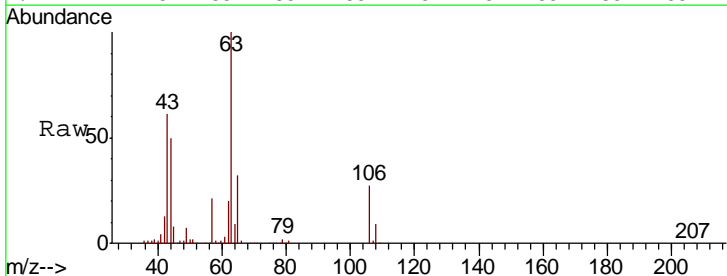
Tgt Ion	Resp	Lower	Upper
76	259458		
76	100		
78	32.2	25.8	38.6

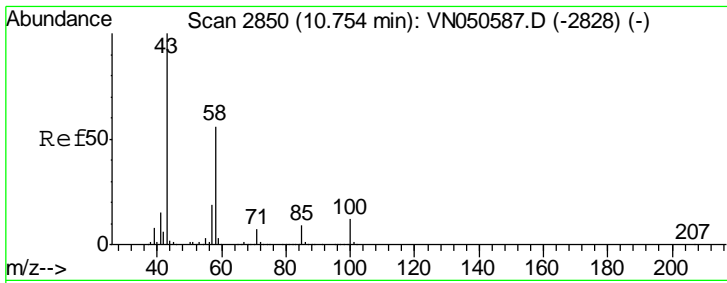
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.61 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
63	437439		
63	100		
106	27.2	21.7	32.5





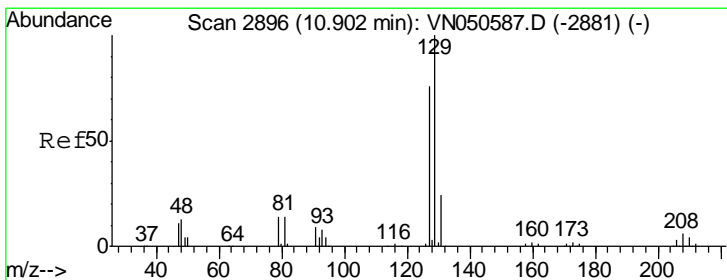
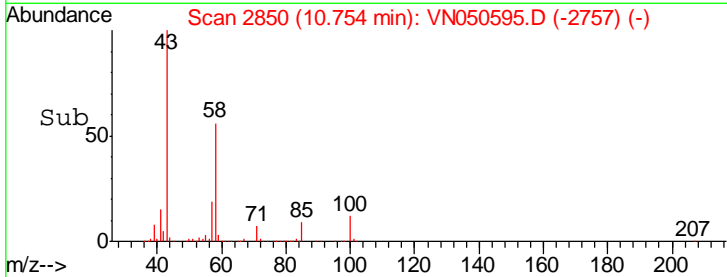
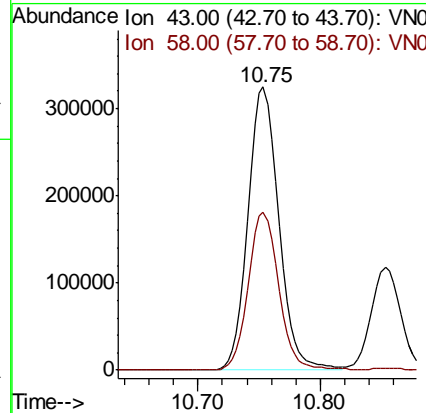
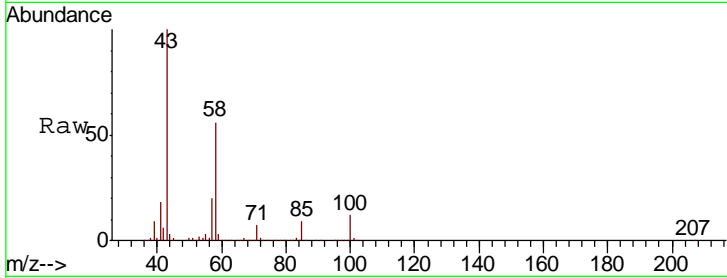
#59
 2-Hexanone
 Concen: 108.19 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.3	28.0	84.0

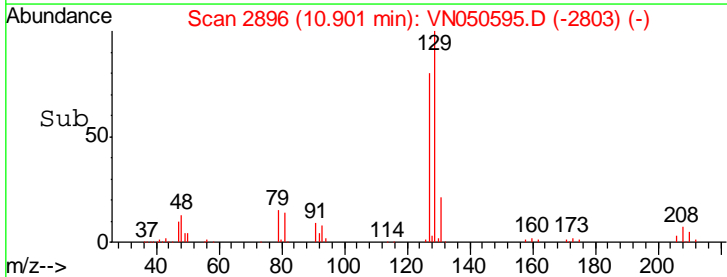
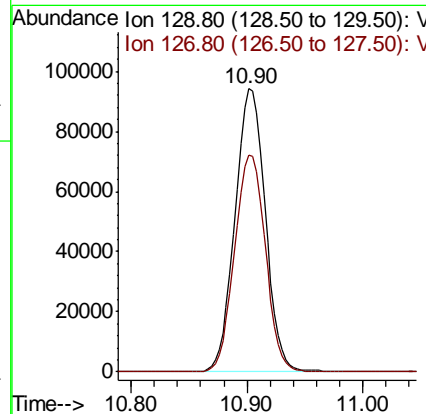
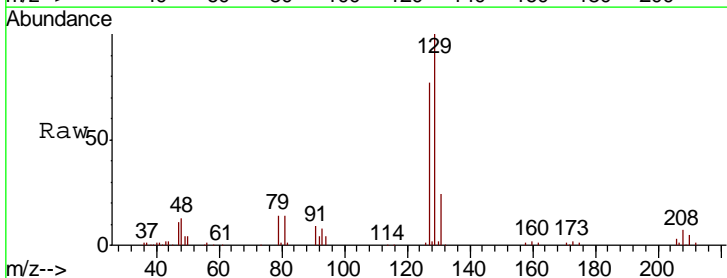
Manual Integrations
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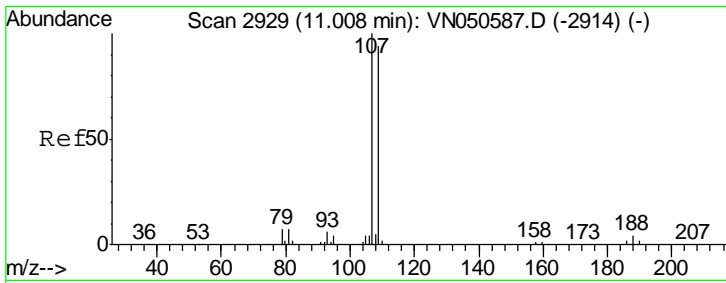
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 8/15/2018 3:31:25 PM



#60
 Dibromochloromethane
 Concen: 19.62 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
129	100		
127	77.8	38.9	116.7



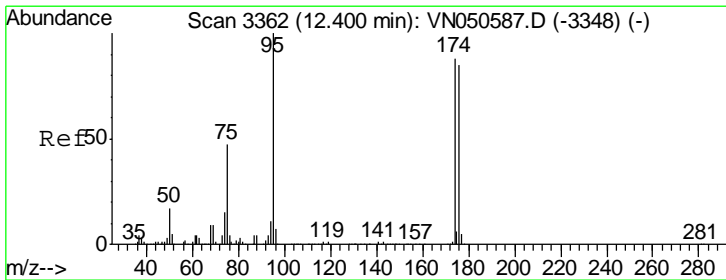
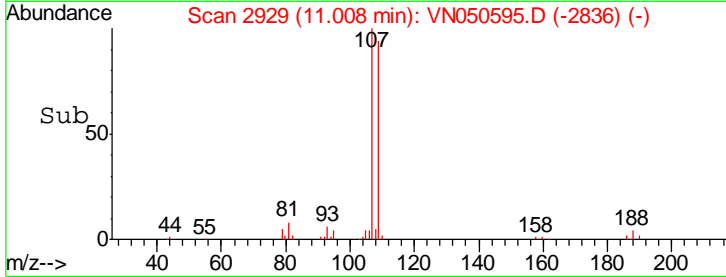
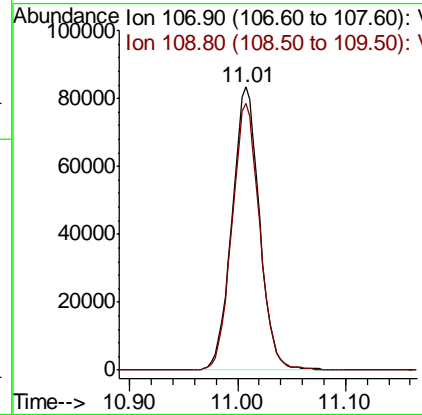
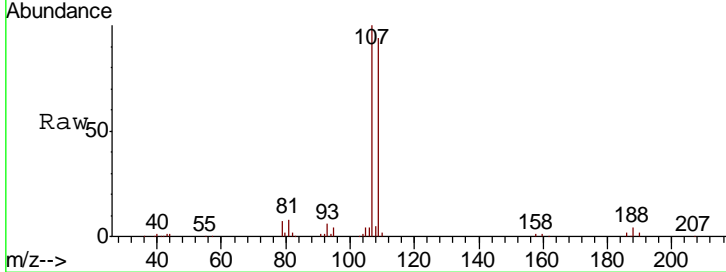


#61
 1,2-Dibromoethane
 Concen: 19.72 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

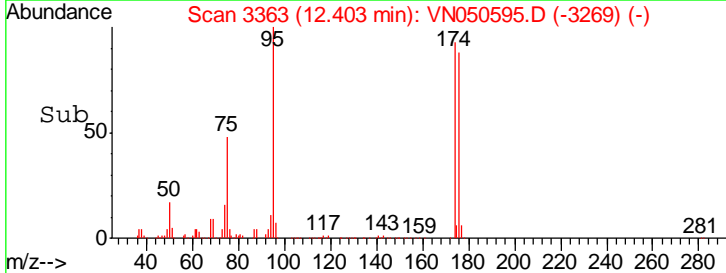
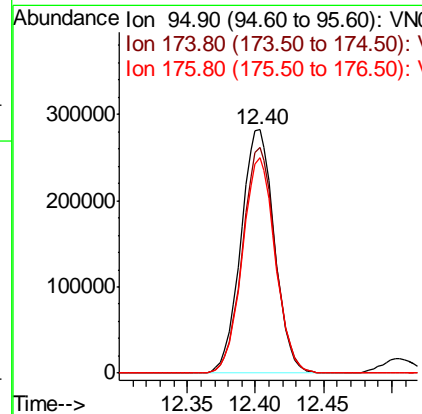
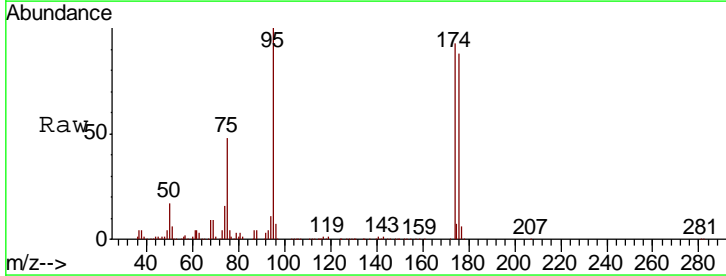
Tgt Ion	Resp	Lower	Upper
107	147750		
109	94.8	75.7	113.5

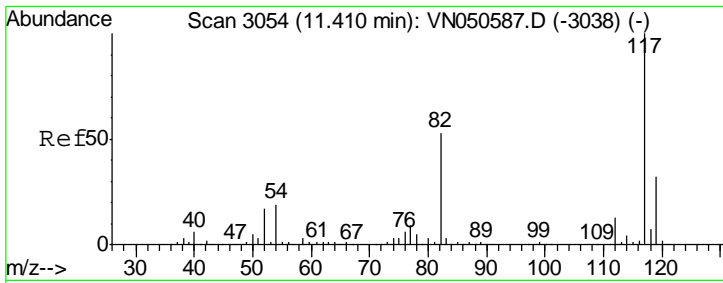
Manual Integrations
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 8/15/2018 3:31:25 PM



#62
 4-Bromofluorobenzene
 Concen: 46.41 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

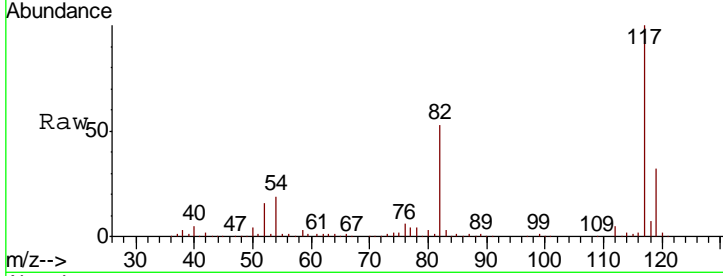
Tgt Ion	Resp	Lower	Upper
95	479897		
174	91.0	0.0	177.8
176	87.1	0.0	175.0





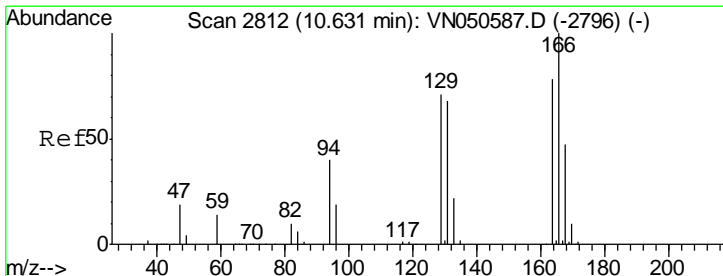
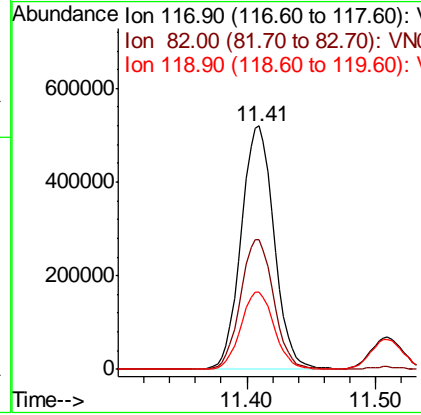
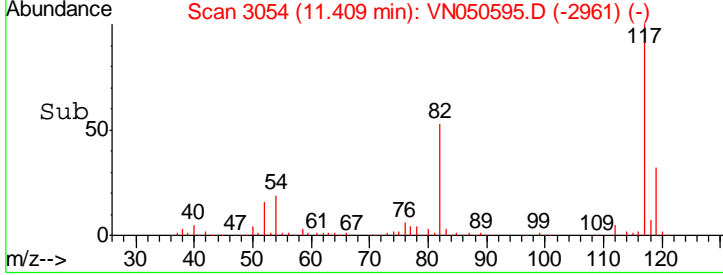
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

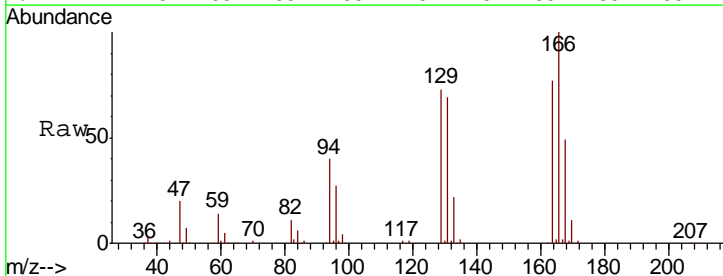


Tgt Ion	Resp	Lower	Upper
117	100		
82	53.0	42.4	63.6
119	31.9	25.8	38.8

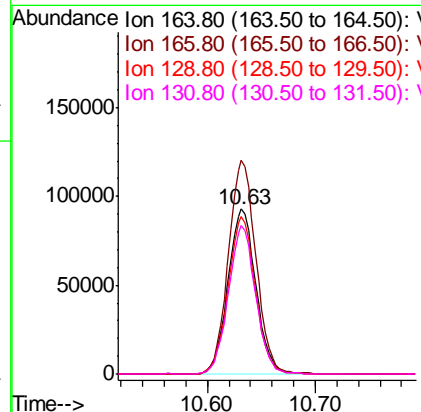
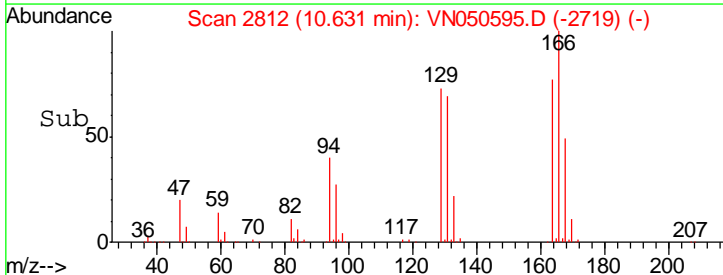
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:31:25 PM

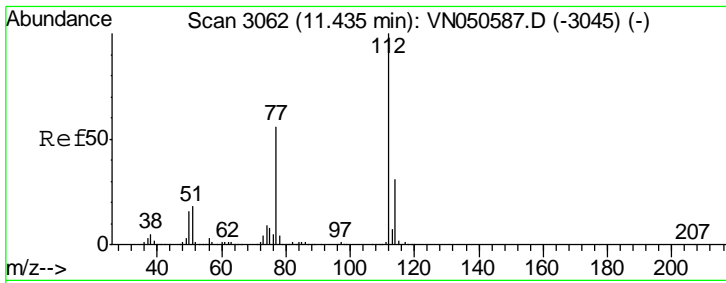


#64
 Tetrachloroethene
 Concen: 19.51 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18



Tgt Ion	Resp	Lower	Upper
164	100		
166	129.5	102.1	153.1
129	95.1	72.7	109.1
131	89.9	69.9	104.9



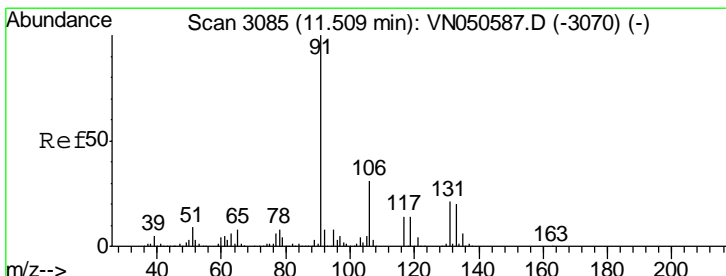
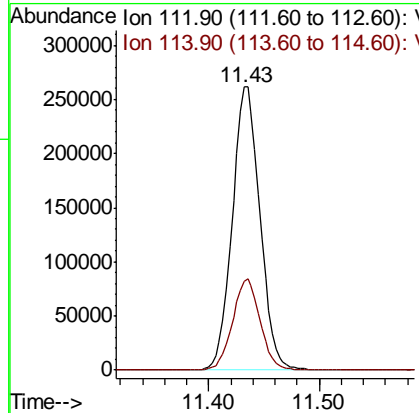
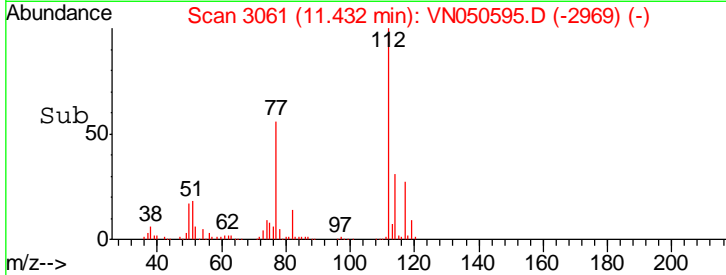
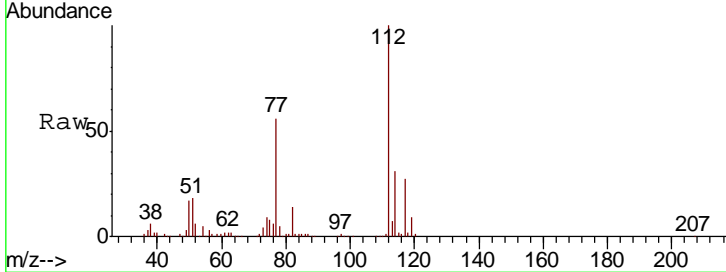


#65
 Chlorobenzene
 Concen: 19.78 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

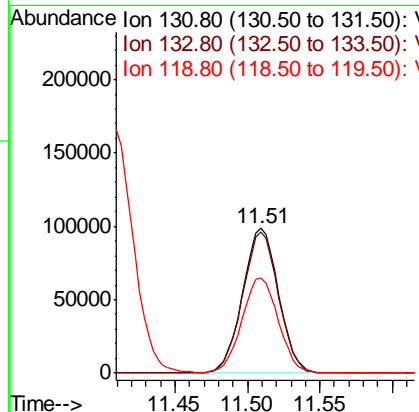
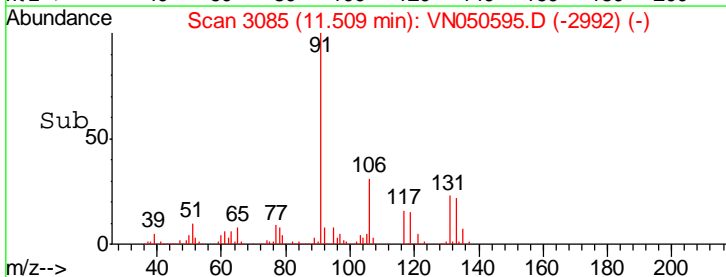
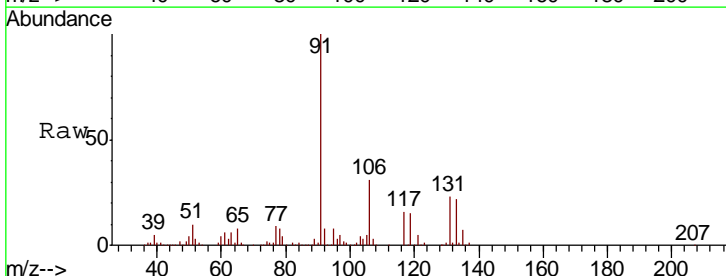
Tgt Ion	Resp	Lower	Upper
112	455240		
114	31.4	25.2	37.8

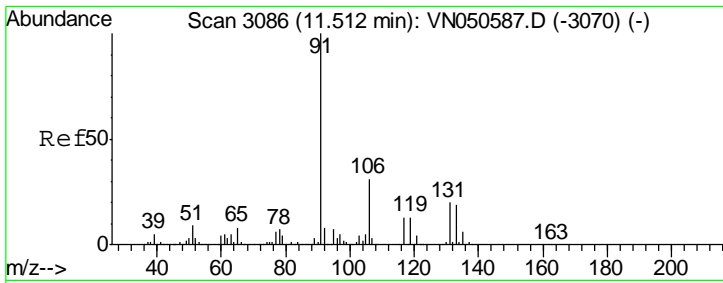
Manual Integrations
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 8/15/2018 3:31:25 PM



#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.74 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
131	170323		
133	97.1	47.6	142.9
119	66.7	33.1	99.3





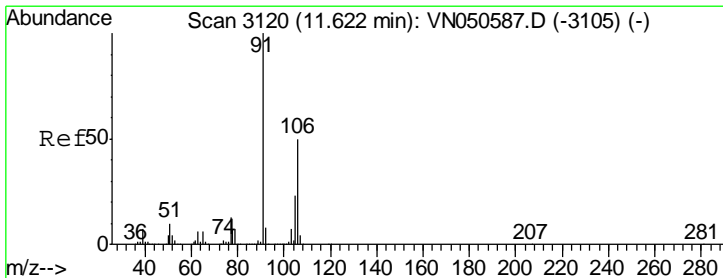
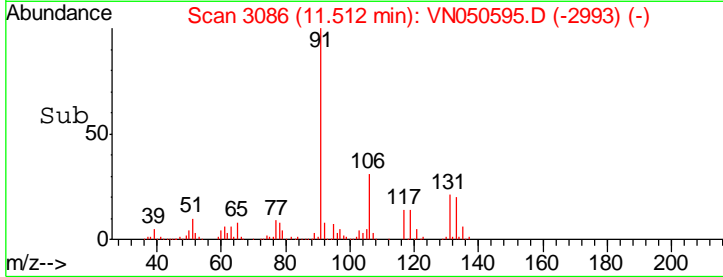
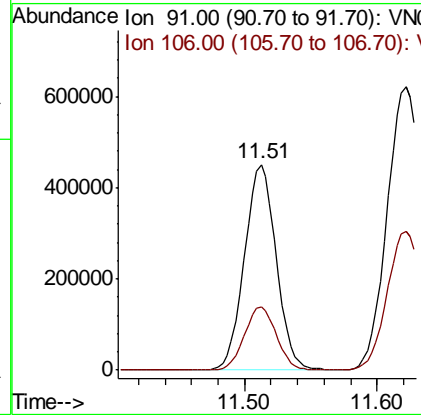
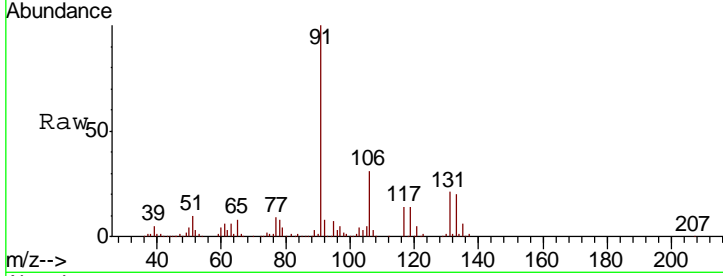
#67
Ethyl Benzene
Concen: 20.17 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
ClientSampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.9	24.8	37.2

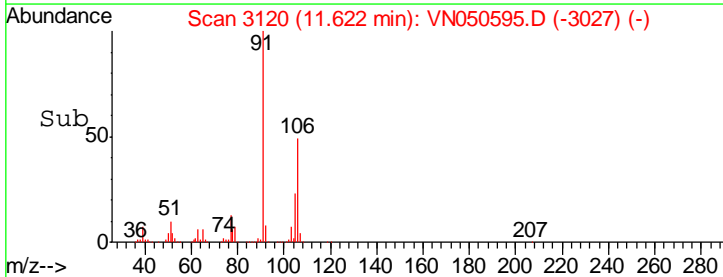
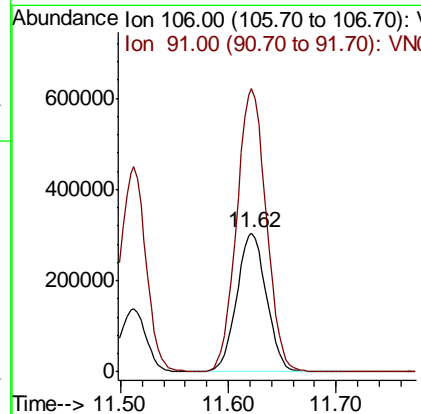
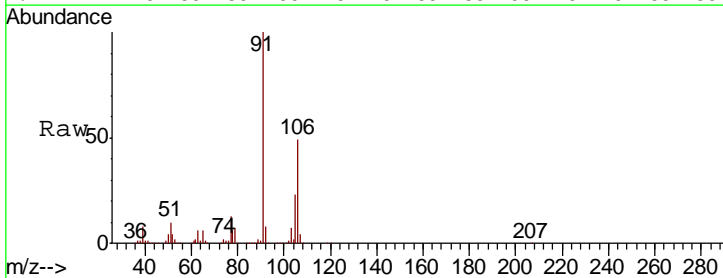
Manual Integrations
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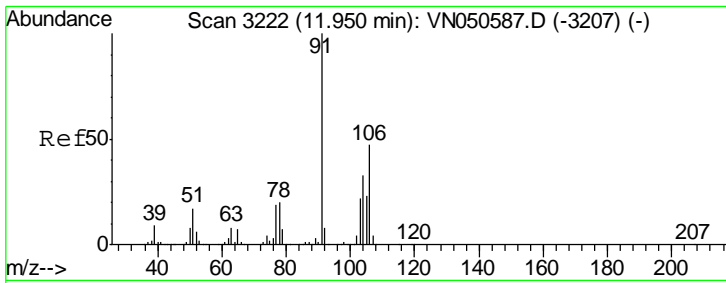
MMDadoda
8/15/2018 3:31:25 PM



#68
m/p-Xylenes
Concen: 41.09 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050595.D
Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
106	100		
91	203.3	161.5	242.3



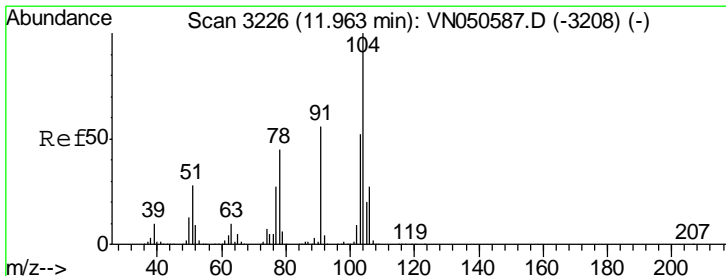
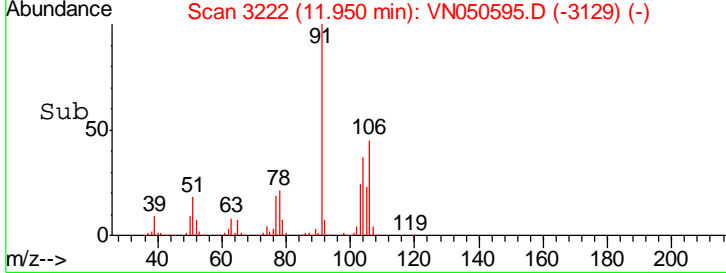
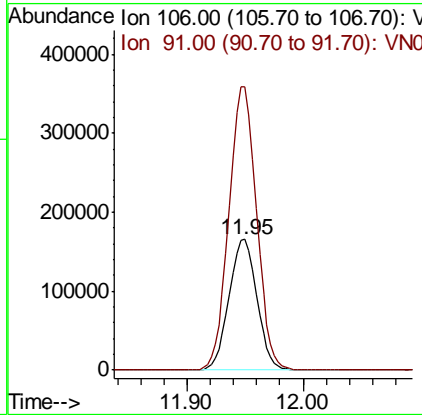
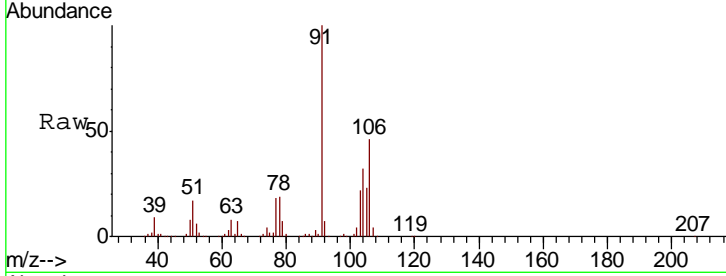


#69
 o-Xylene
 Concen: 20.24 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

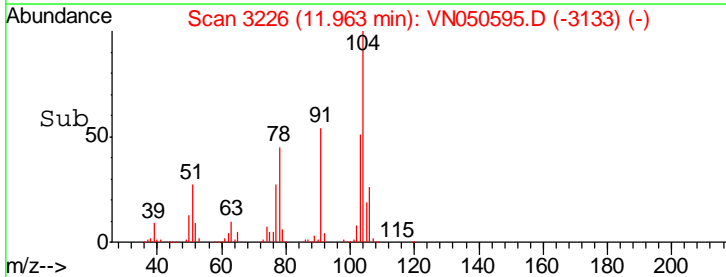
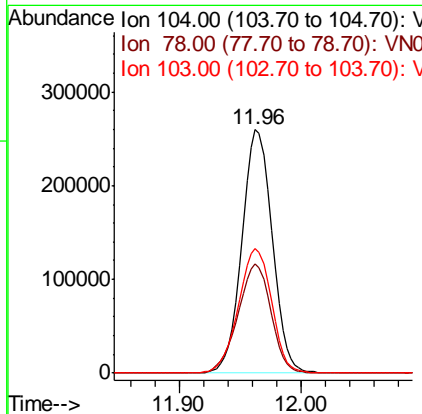
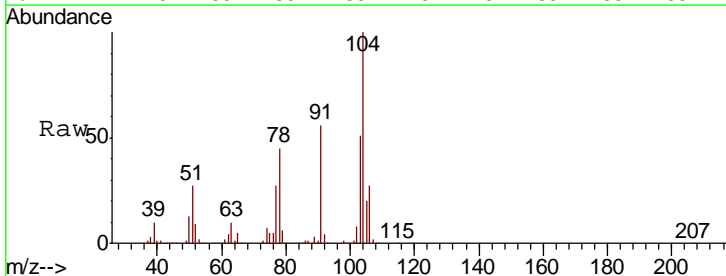
Tgt Ion	Resp	Lower	Upper
106	274279		
106	100		
91	215.2	106.8	320.4

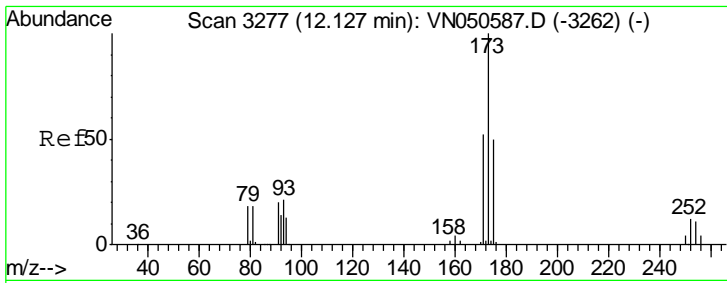
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#70
 Styrene
 Concen: 19.05 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
104	444909		
104	100		
78	49.0	39.1	58.7
103	56.0	44.9	67.3





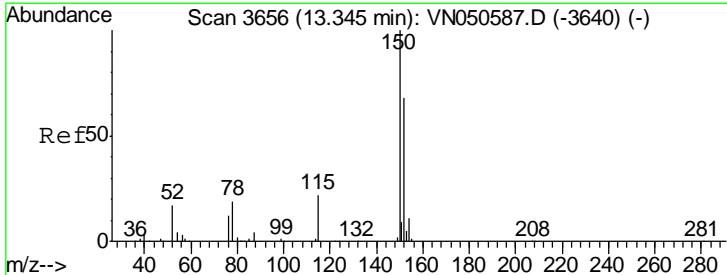
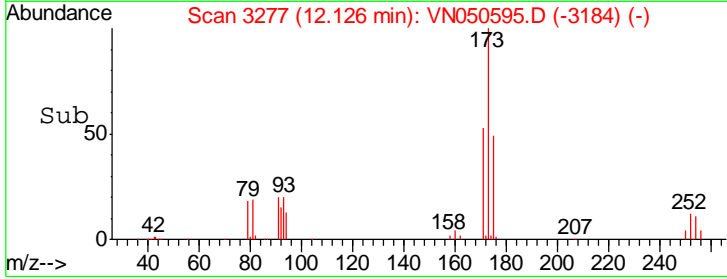
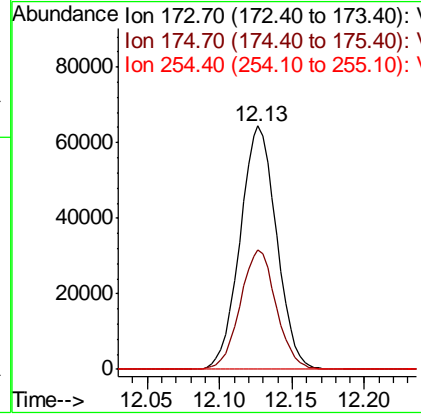
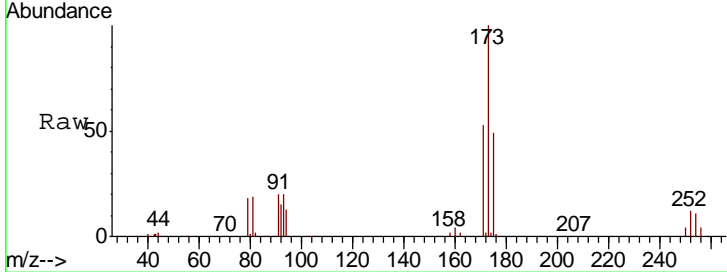
#71
 Bromoform
 Concen: 19.66 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBS01

Tgt Ion	Resp	Lower	Upper
173	112475		
175	48.2	24.4	73.2
254	0.0	0.0	0.0

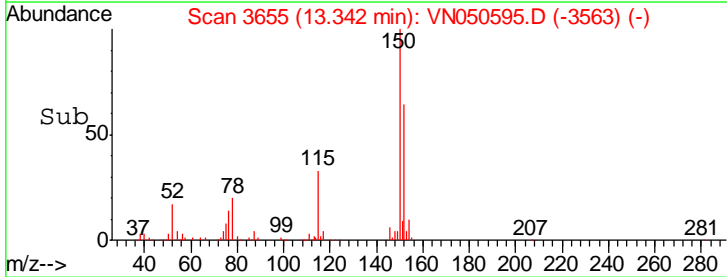
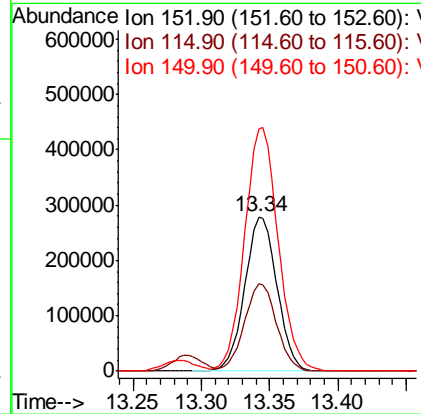
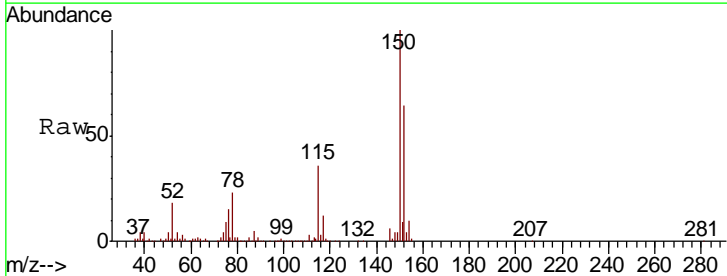
Manual Integrations
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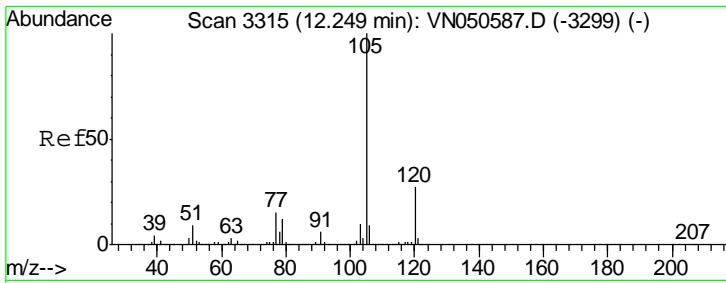
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#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
152	456013		
152	100		
115	56.7	28.1	84.2
150	164.9	0.0	347.8





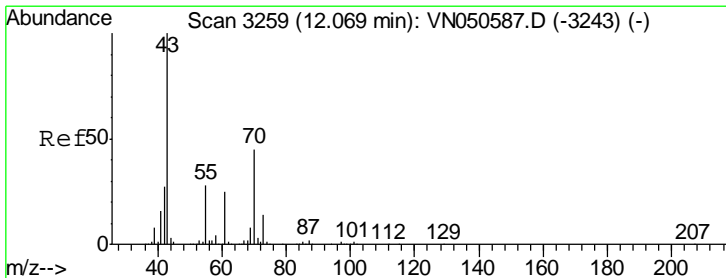
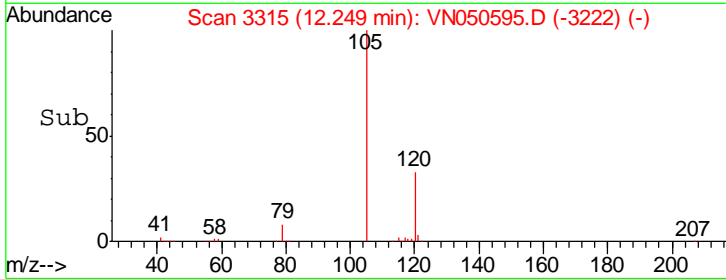
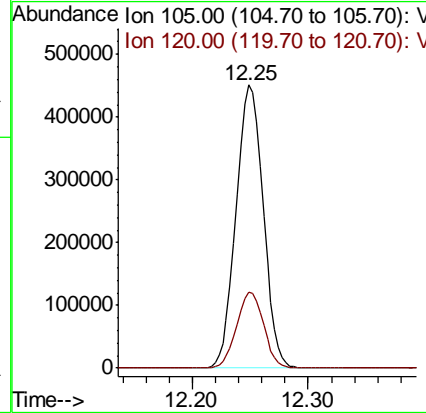
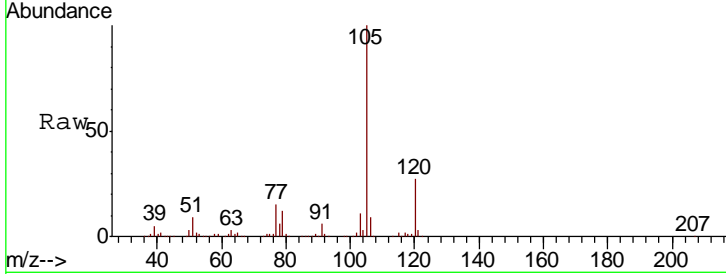
#73
 Isopropylbenzene
 Concen: 20.45 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
105	728690		
120	26.6	13.4	40.1

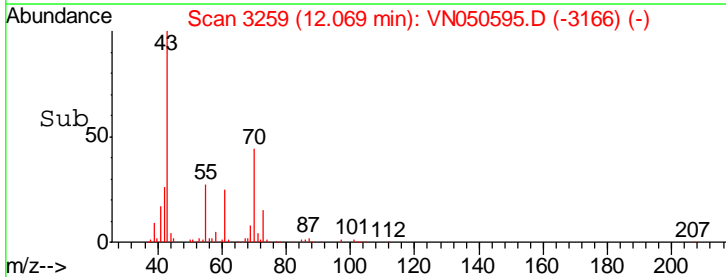
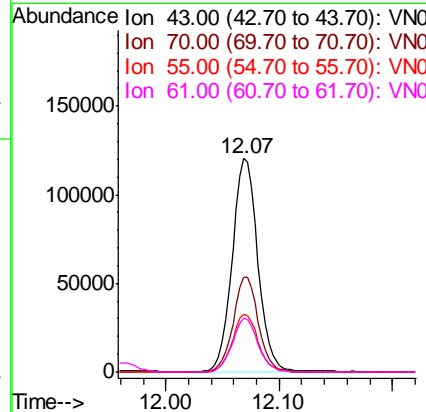
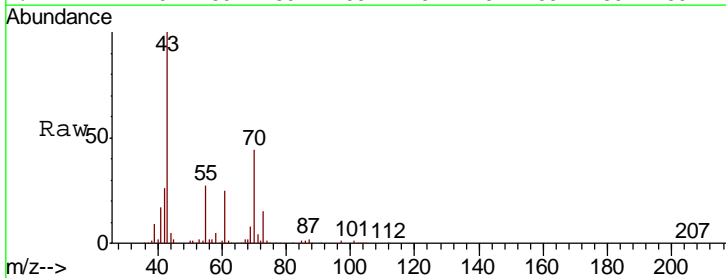
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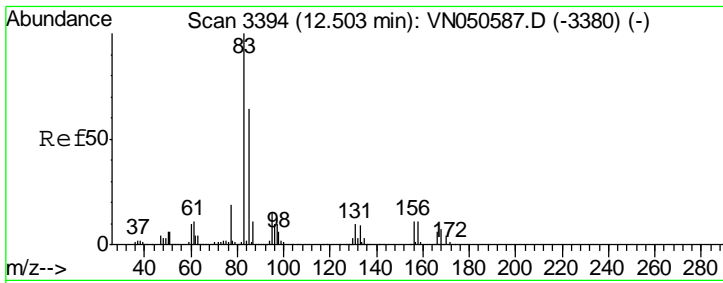
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 8/15/2018 3:31:25 PM



#74
 N-amyl acetate
 Concen: 20.52 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
43	190171		
70	43.4	35.9	53.9
55	27.3	22.2	33.4
61	25.0	20.0	30.0





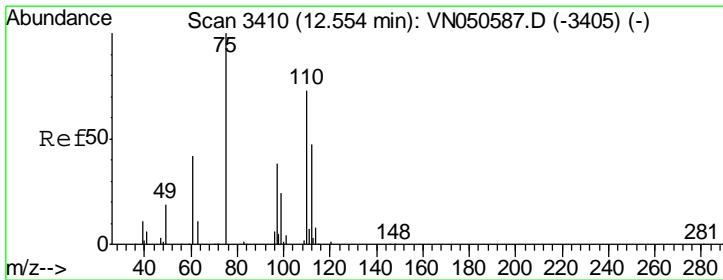
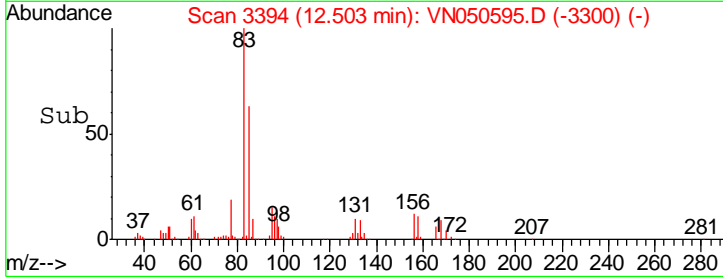
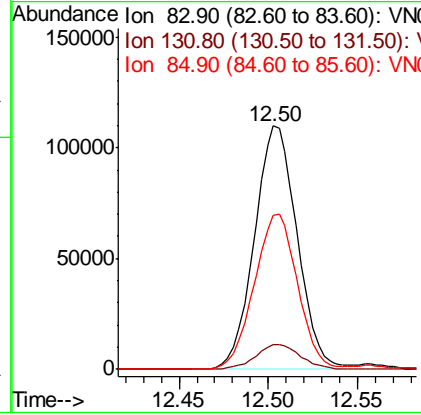
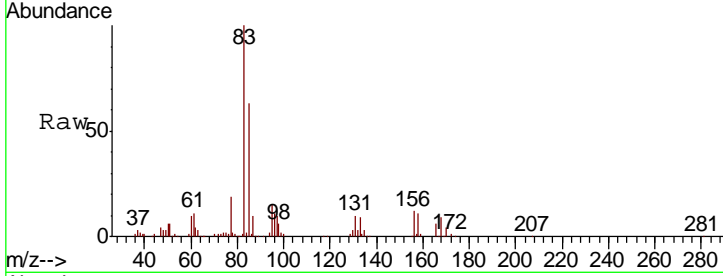
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.84 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
83	183634		
131	10.7	5.3	15.9
85	64.8	32.1	96.5

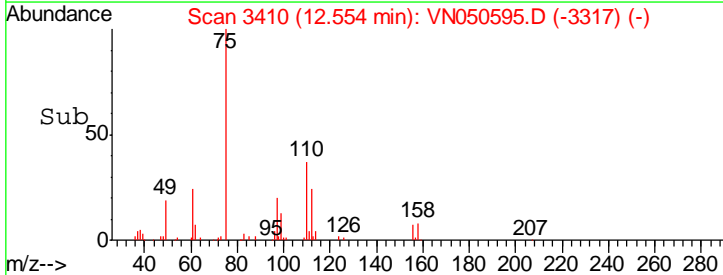
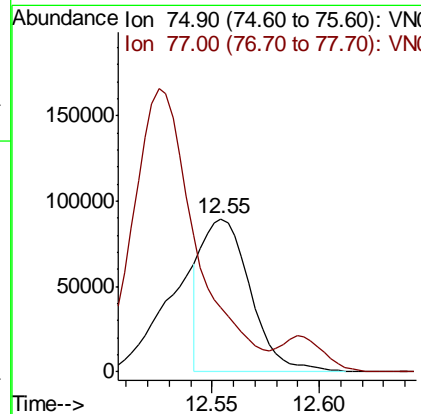
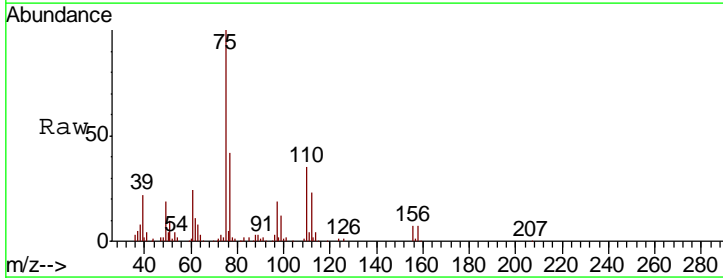
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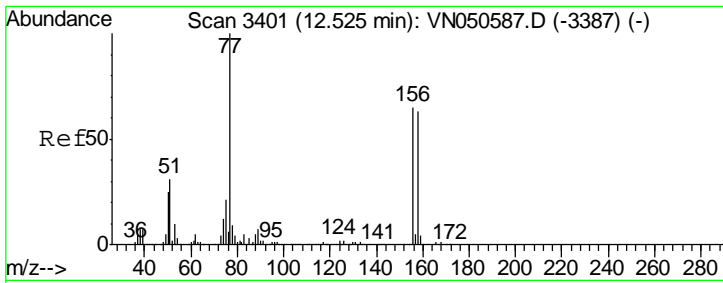
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 8/15/2018 3:31:25 PM



#76
 1,2,3-Trichloropropane
 Concen: 18.68 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
75	142348		
77	0.0	0.0	0.0



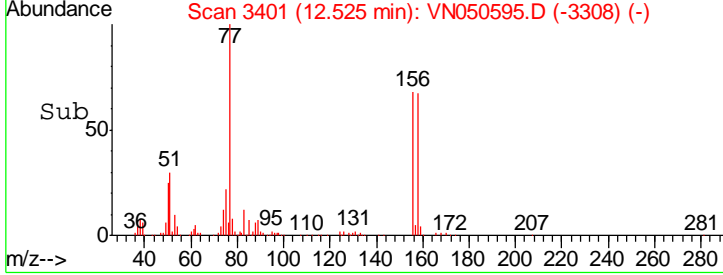
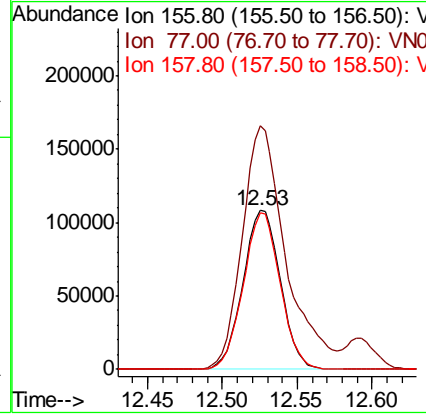
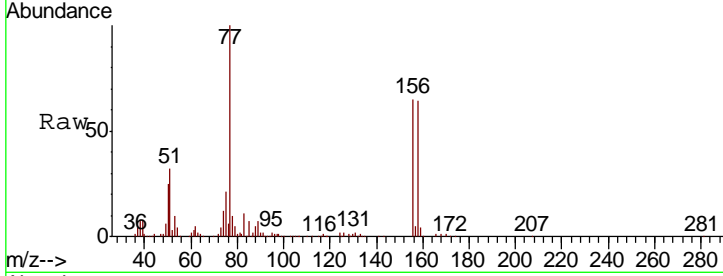


#77
 Bromobenzene
 Concen: 19.45 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

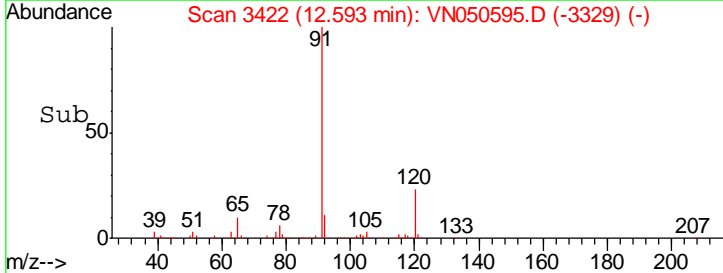
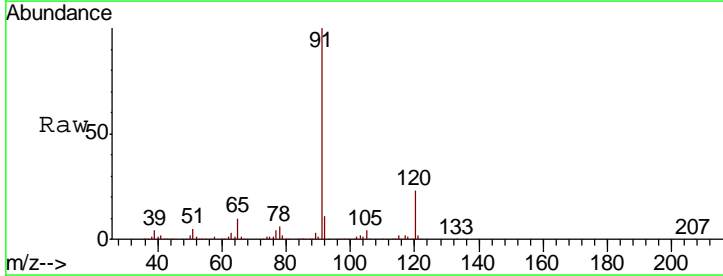
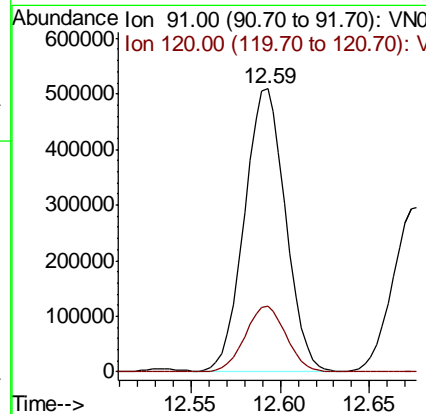
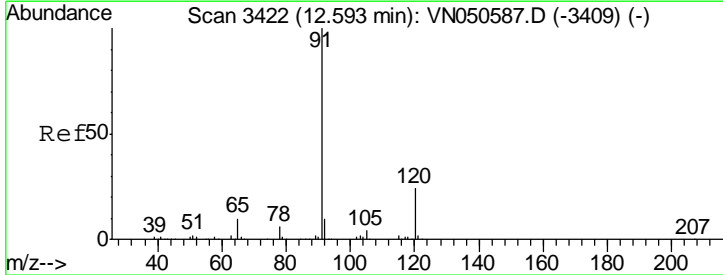
Tgt Ion	Resp	Lower	Upper
156	188131		
77	179.4	89.0	267.1
158	97.3	48.5	145.6

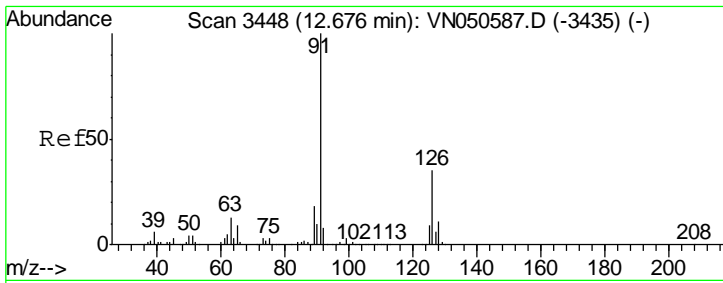
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#78
 n-propylbenzene
 Concen: 20.53 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
91	815566		
120	23.3	11.8	35.4



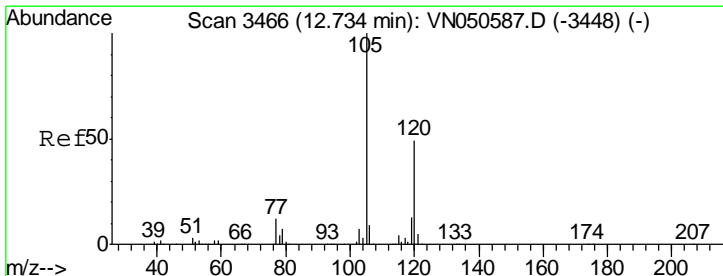
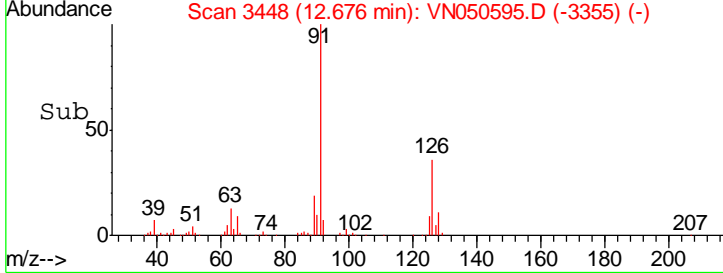
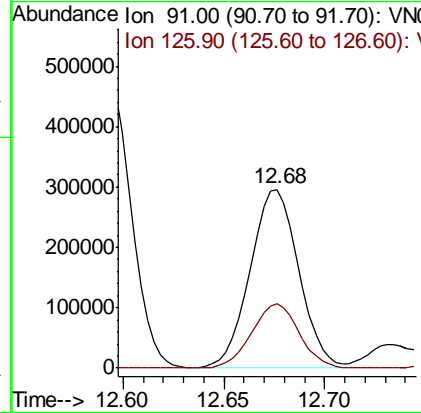
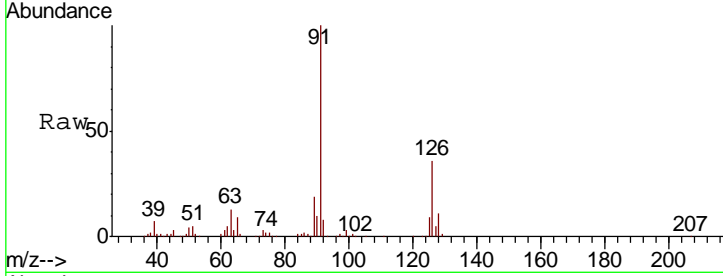


#79
 2-Chlorotoluene
 Concen: 20.03 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

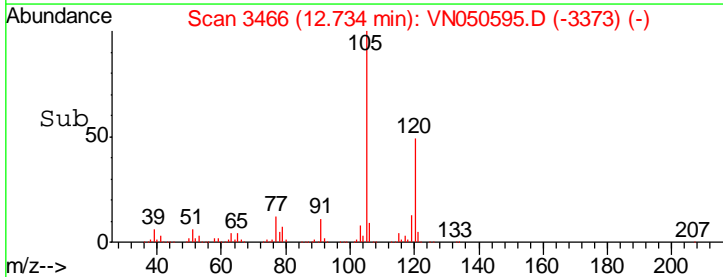
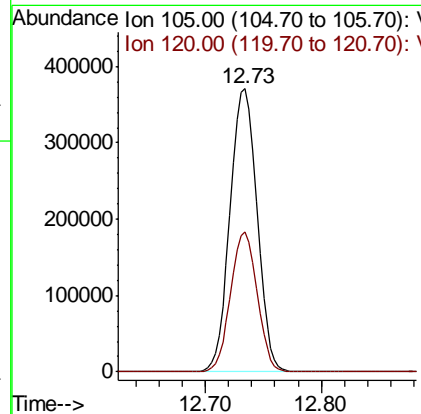
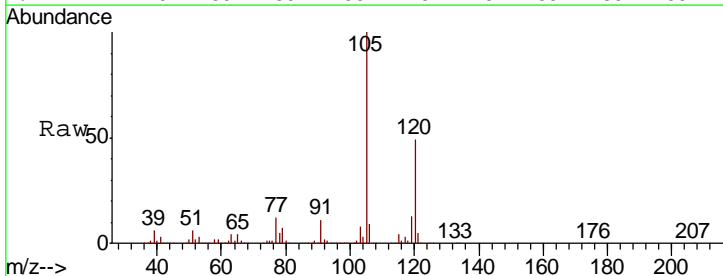
Tgt Ion: 91 Resp: 496098
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.6 52.8

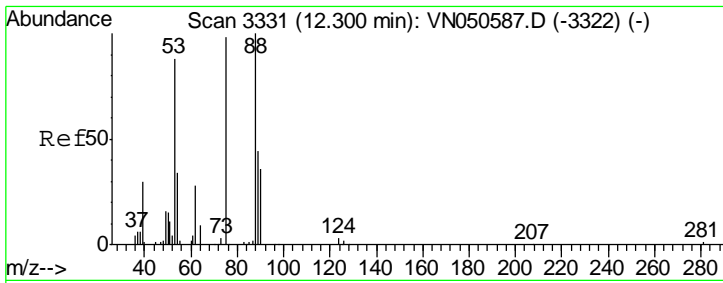
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.90 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion: 105 Resp: 596235
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.7 74.1



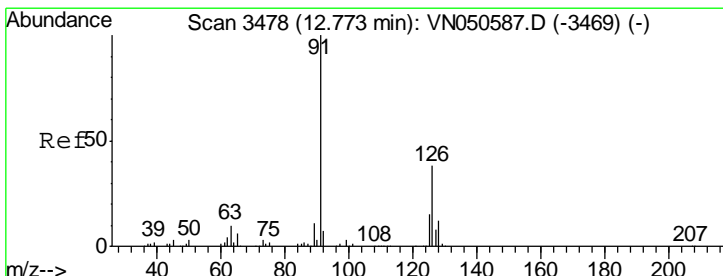
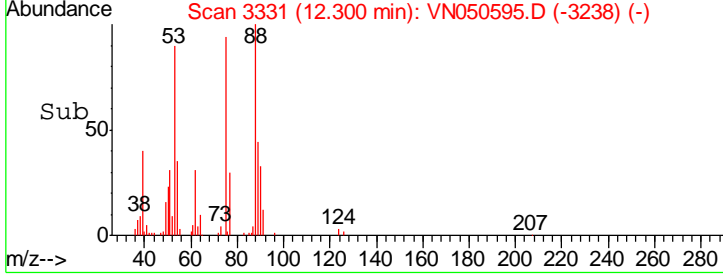
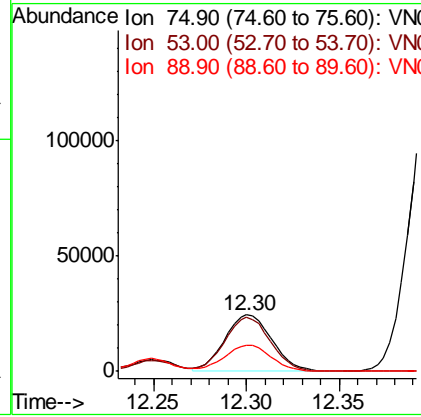
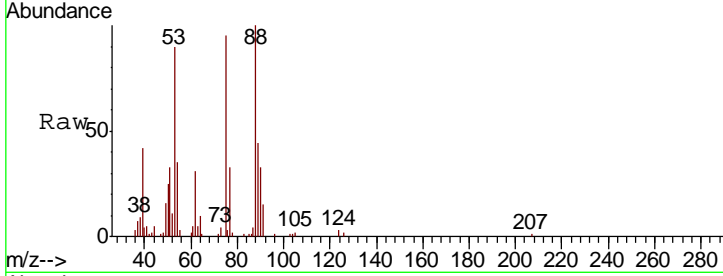


#81
 trans-1,4-Dichloro-2-butene
 Concen: 21.08 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

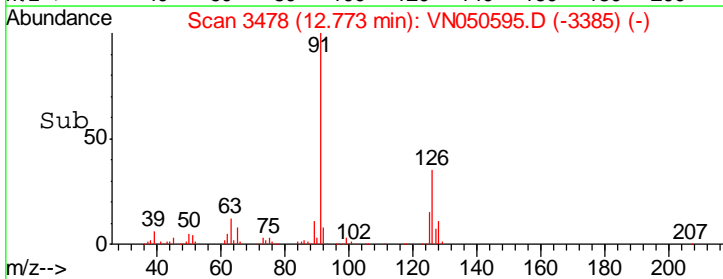
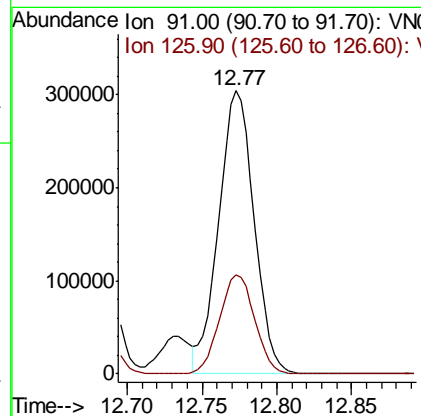
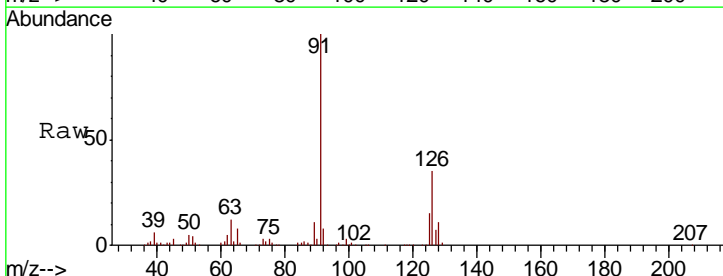
Tgt Ion	Resp	Lower	Upper
75	43228		
75	100		
53	93.1	72.2	108.2
89	46.0	36.3	54.5

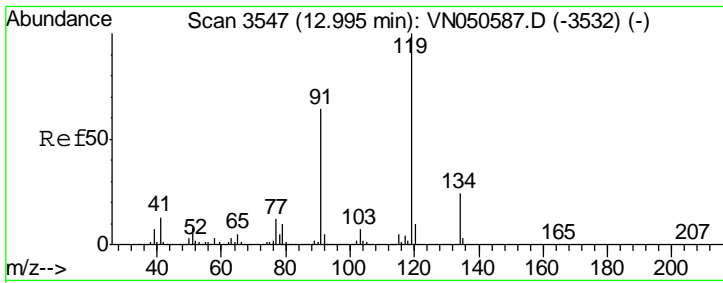
Manual Integrations
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#82
 4-Chlorotoluene
 Concen: 20.40 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
91	499404		
91	100		
126	35.0	17.3	52.0





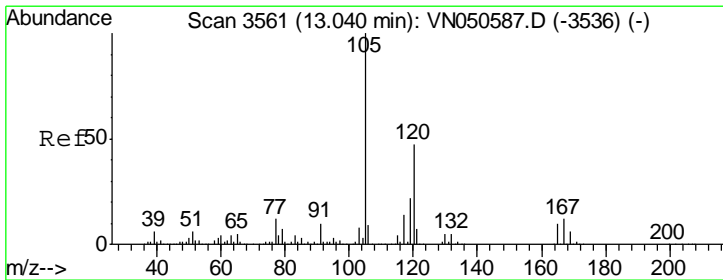
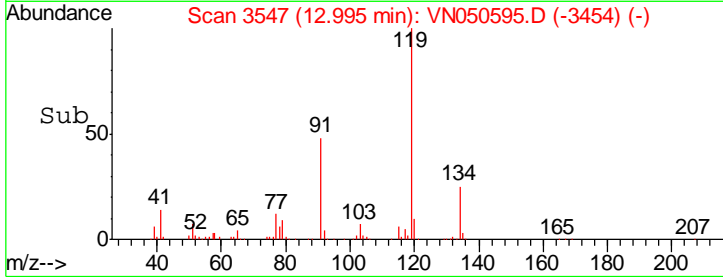
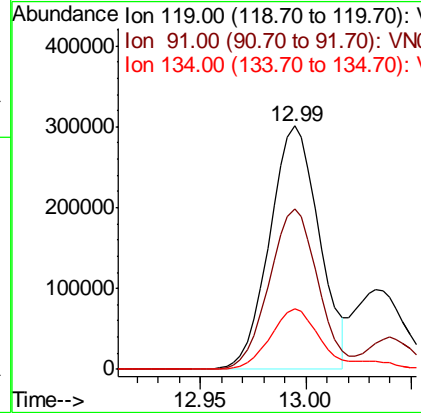
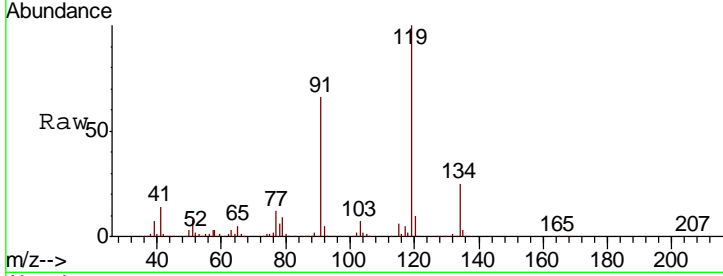
#83
 tert-Butylbenzene
 Concen: 19.86 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

Tgt Ion	Resp	Lower	Upper
119	491889		
91	65.0	32.2	96.6
134	24.6	13.4	40.2

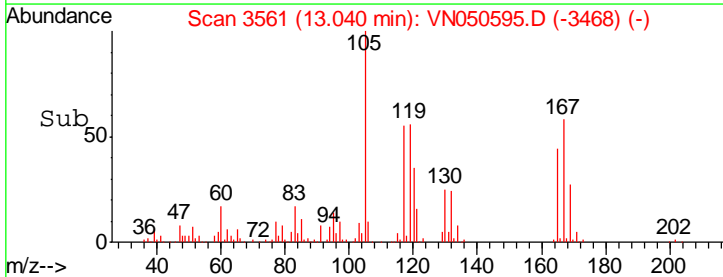
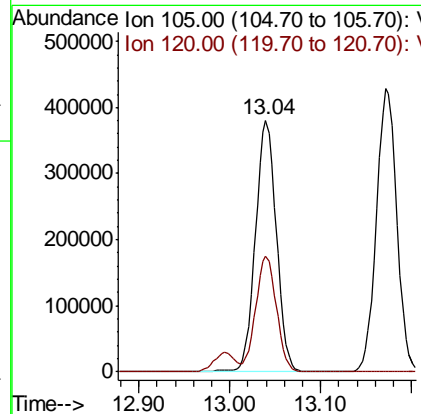
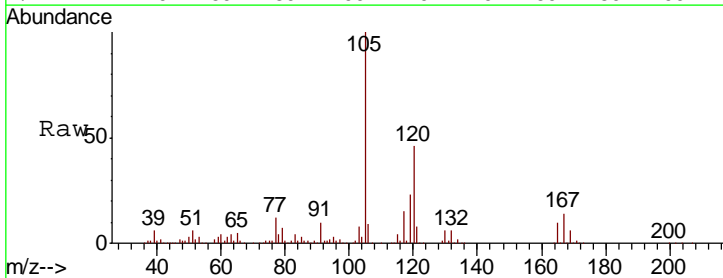
Manual Integrations
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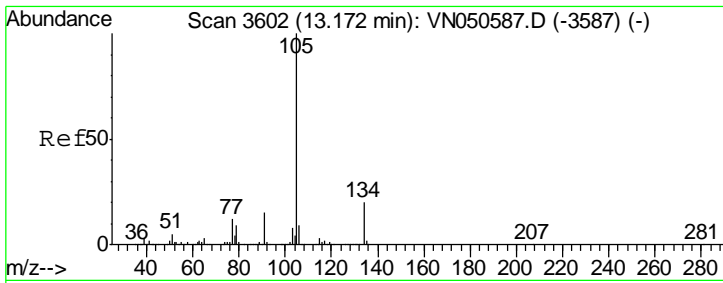
MMDadoda
 8/15/2018 3:31:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.22 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
105	607422		
120	45.8	23.2	69.5



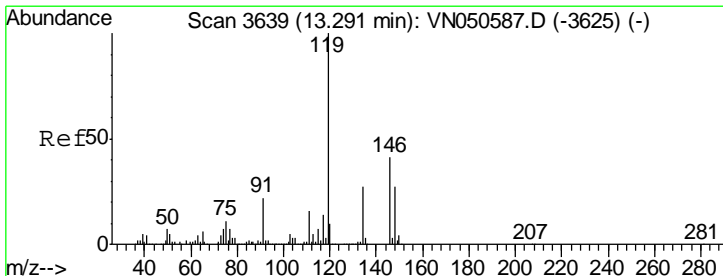
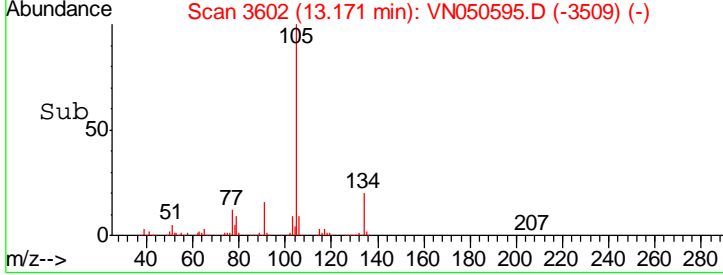
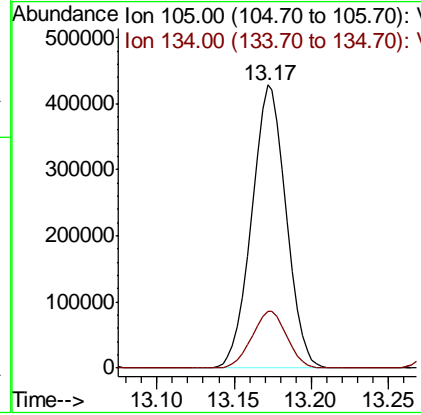
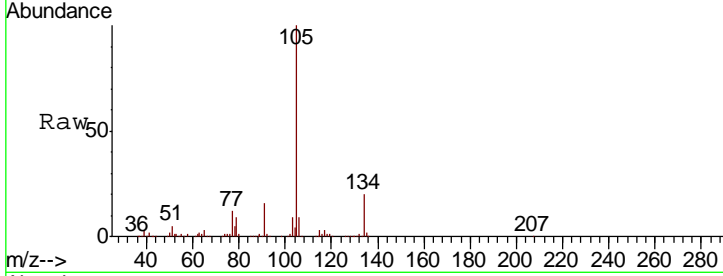


#85
 sec-Butylbenzene
 Concen: 20.52 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

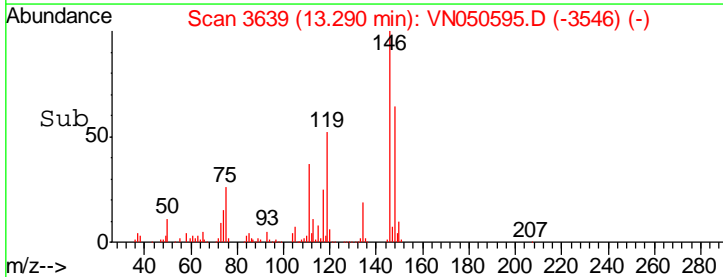
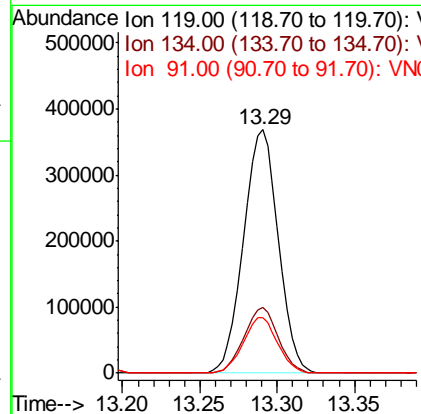
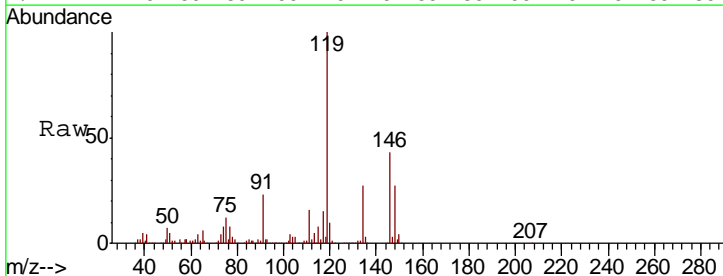
Tgt Ion	Resp	Lower	Upper
105	663972		
134	20.5	10.1	30.3

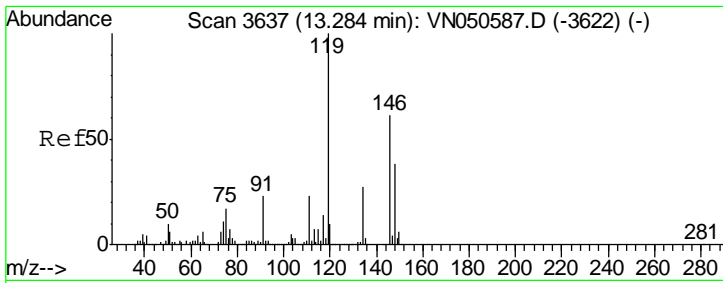
Manual Integrations
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 8/15/2018 3:31:25 PM



#86
 p-Isopropyltoluene
 Concen: 20.94 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
119	574202		
134	26.6	13.5	40.4
91	22.5	11.2	33.6



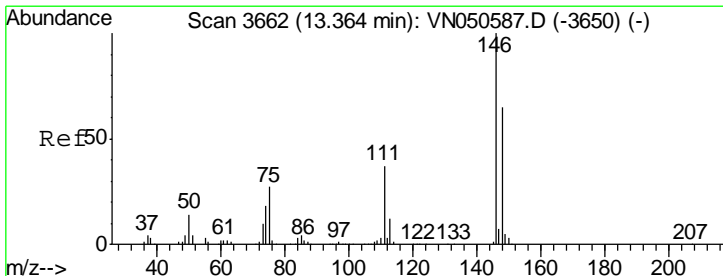
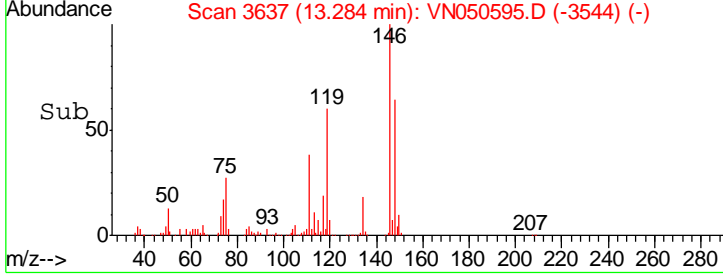
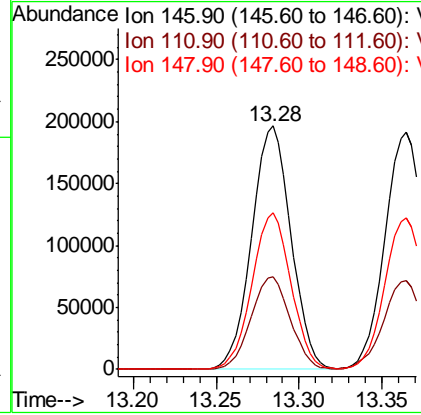
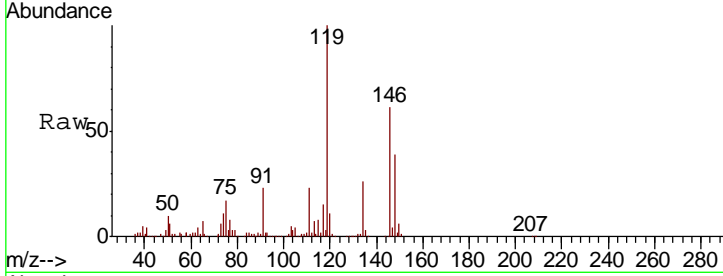


#87
 1,3-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

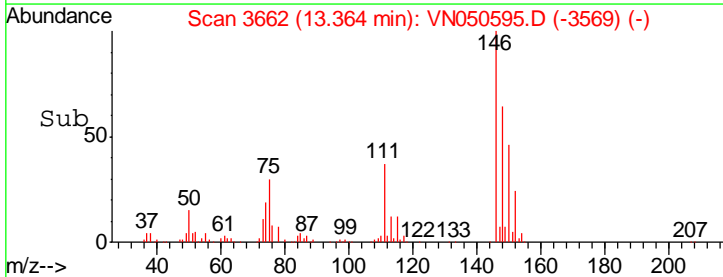
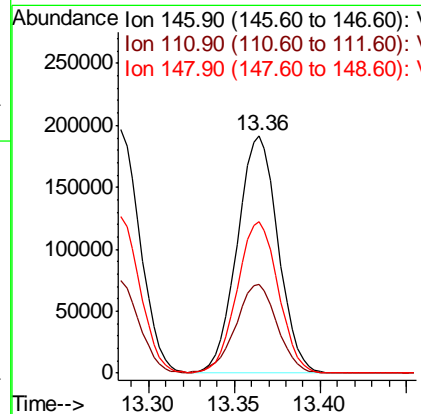
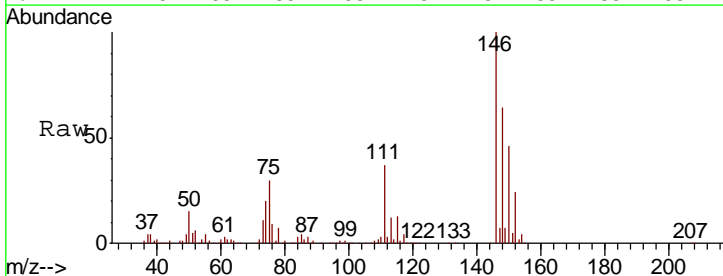
Tgt Ion	Resp	Lower	Upper
146	100		
111	38.0	19.2	57.6
148	63.7	31.9	95.7

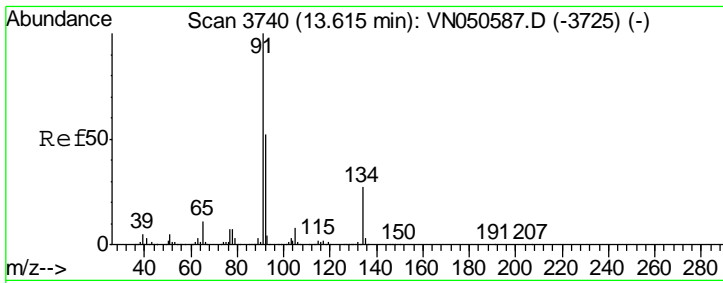
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 19.29 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	64.5	32.3	96.8



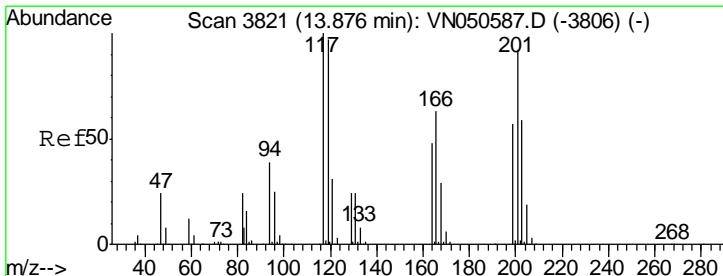
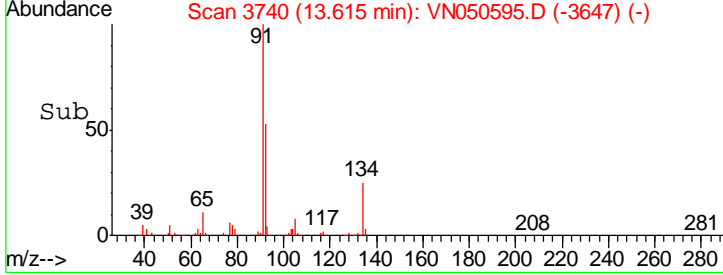
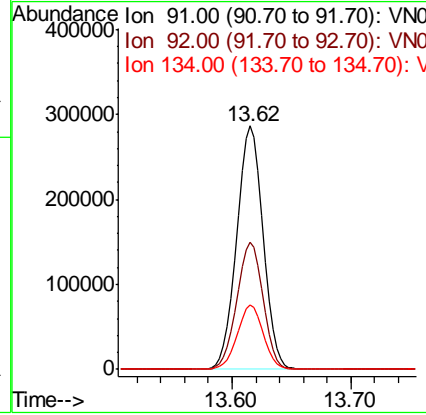
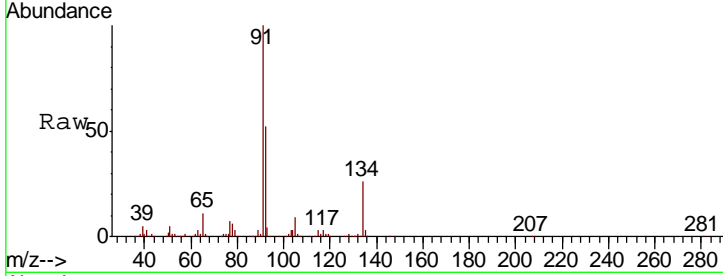


#89
 n-Butylbenzene
 Concen: 19.86 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 Client Sampled : VN0814WBS01

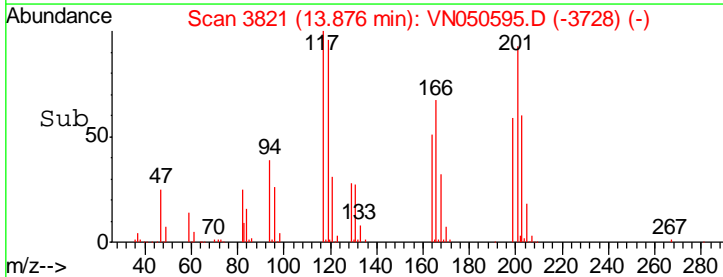
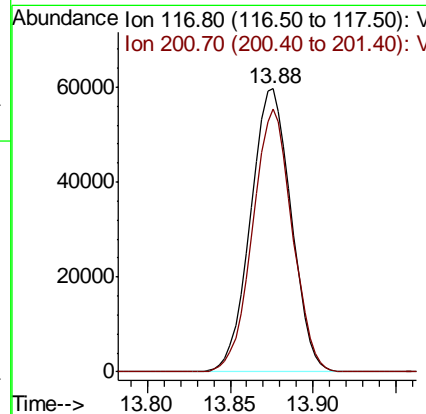
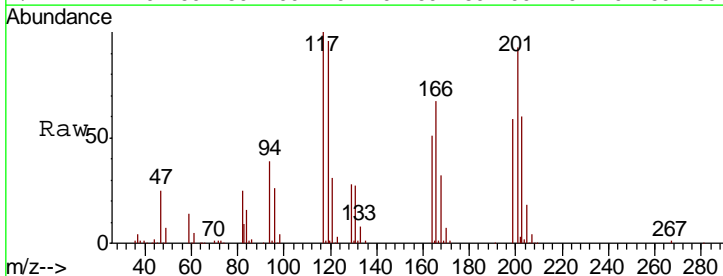
Tgt Ion	Resp	Lower	Upper
91	100		
92	52.0	26.3	78.8
134	25.9	13.3	39.9

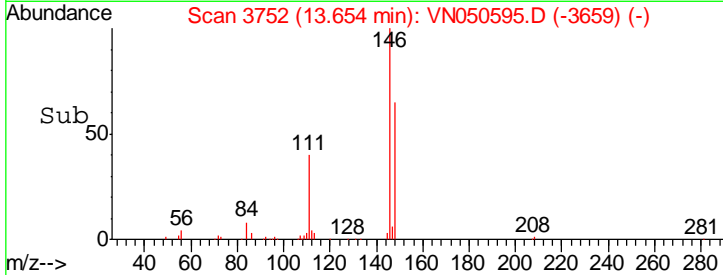
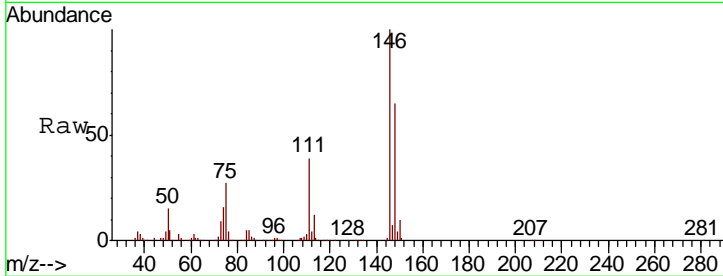
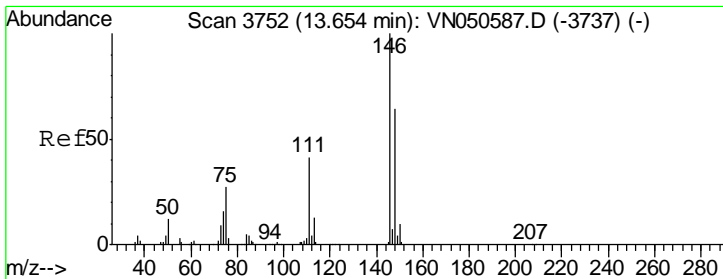
Manual Integrations
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#90
 Hexachloroethane
 Concen: 18.40 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
117	100		
201	90.5	45.5	136.5



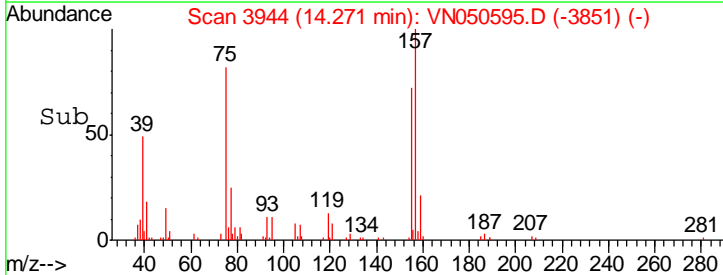
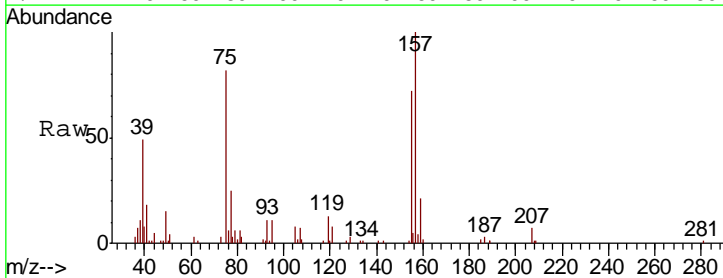
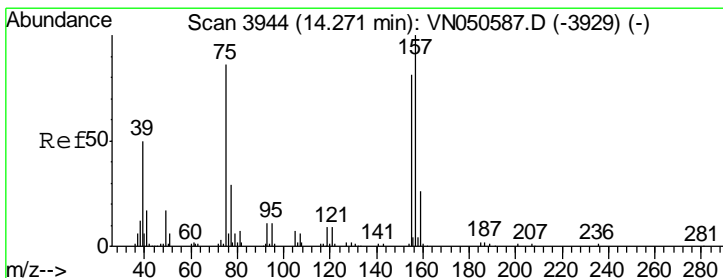
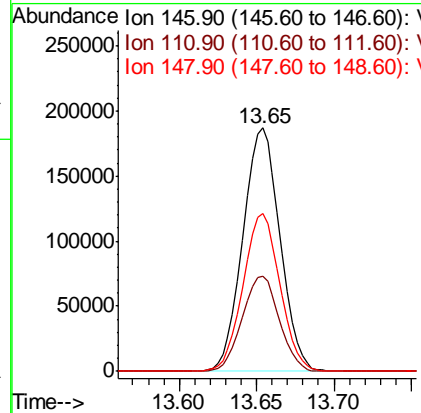


#91
 1,2-Dichlorobenzene
 Concen: 19.37 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
146	311218		
111	39.0	19.8	59.4
148	64.6	32.3	96.8

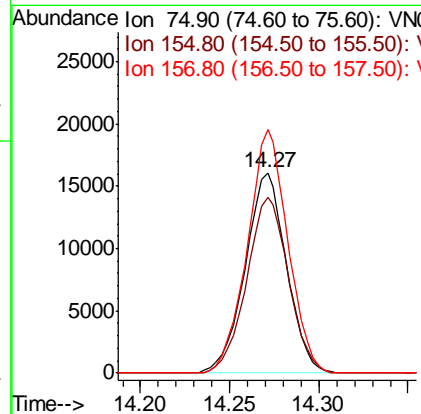
Instrument : MSVOA_N
 ClientSampled : VN0814WBS01

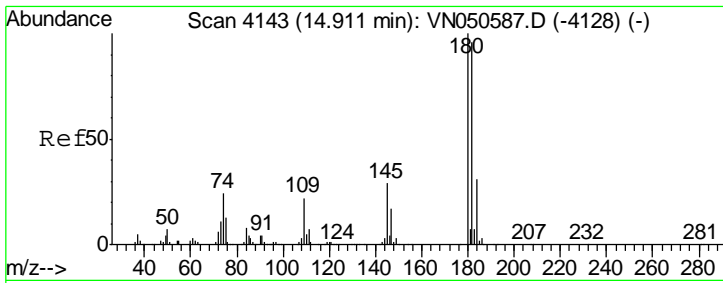
Manual Integrations
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 8/15/2018 3:31:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.47 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
75	26018		
155	88.5	46.6	139.8
157	118.7	58.1	174.2



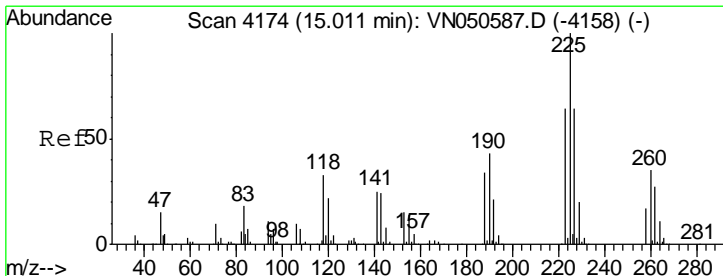
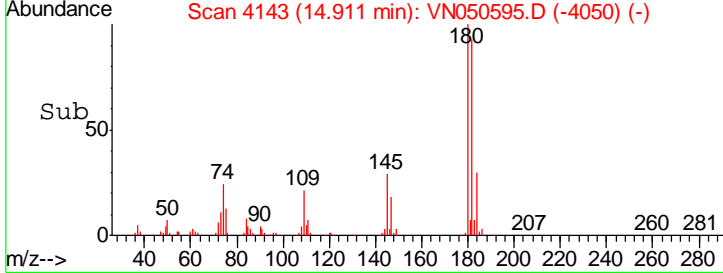
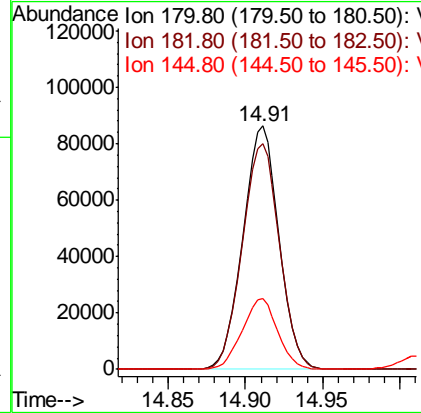
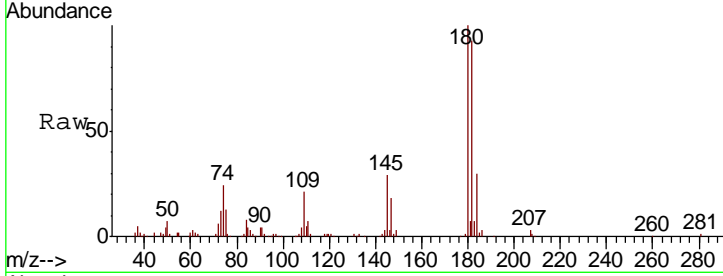


#93
 1,2,4-Trichlorobenzene
 Concen: 18.70 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument : MSVOA_N
 ClientSampleId : VN0814WBS01

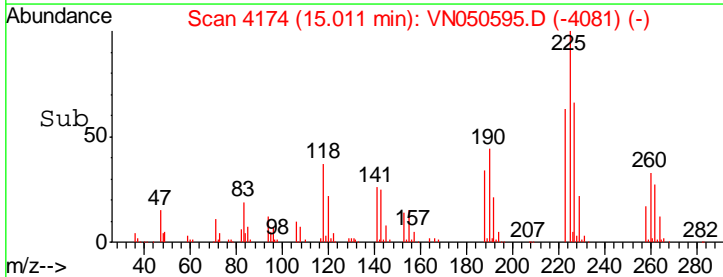
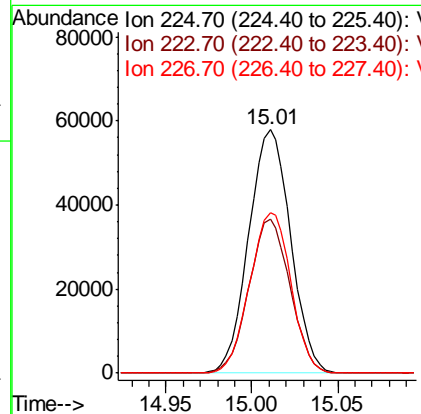
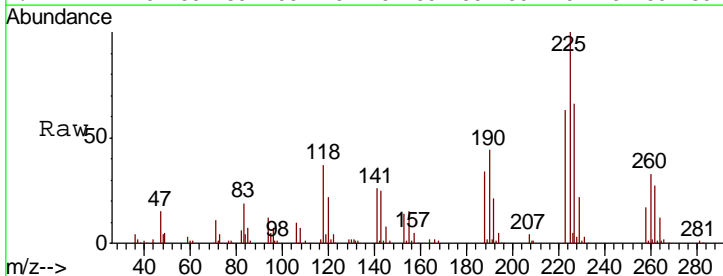
Tgt Ion	Resp	Lower	Upper
180	139563		
182	95.8	47.9	143.7
145	28.6	14.4	43.4

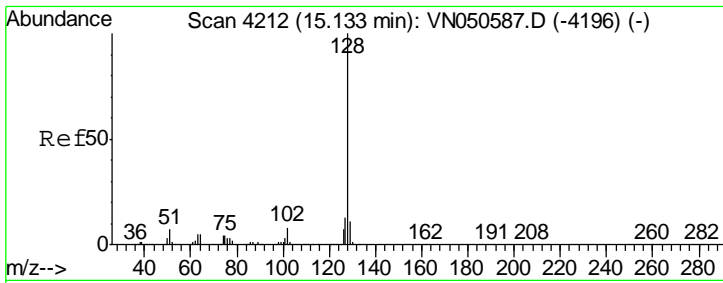
Manual Integrations
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 8/15/2018 3:31:25 PM



#94
 Hexachlorobutadiene
 Concen: 19.87 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
225	97895		
223	62.0	32.1	96.3
227	64.8	32.0	96.2





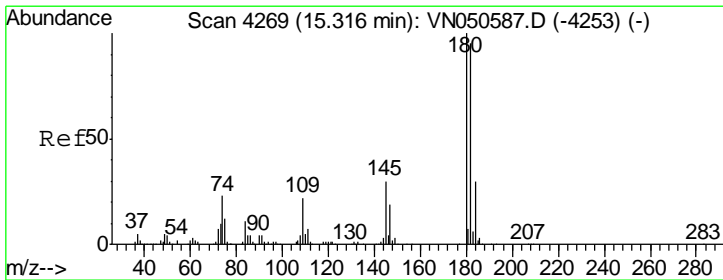
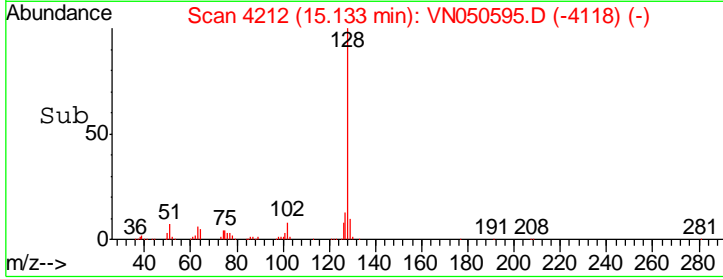
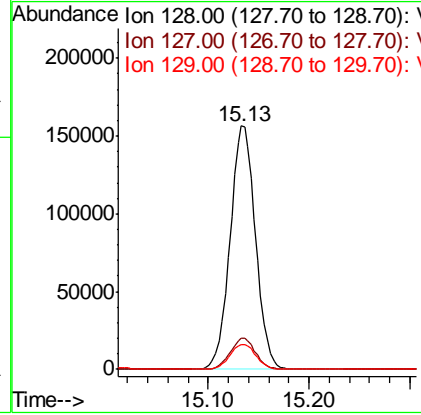
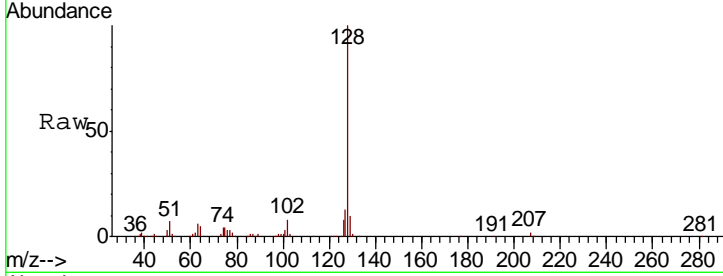
#95
 Naphthalene
 Concen: 18.31 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Instrument :
 MSVOA_N
 Client Sampled :
 VN0814WBS01

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.5	8.5	12.7

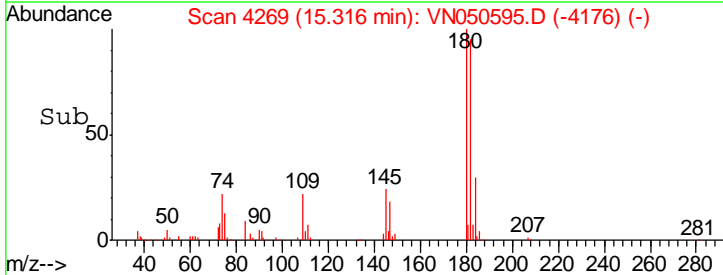
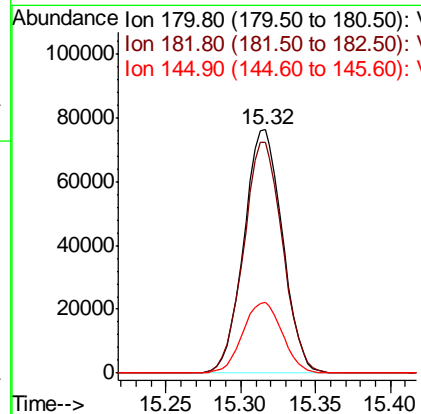
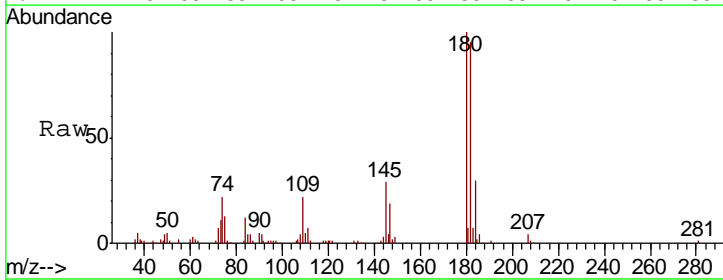
Manual Integrations
 APPROVED

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 8/15/2018 3:31:25 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 19.03 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050595.D
 Acq: 14 Aug 2018 12:18

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.8	47.3	141.8
145	29.9	14.6	44.0





Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0815WBS01	SDG No.:	J4469
Lab Sample ID:	VN0815WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050642.D	1		08/15/18 09:52	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.4		0.2	0.2	1	ug/L
74-87-3	Chloromethane	17.9		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	17.4		0.2	0.2	1	ug/L
74-83-9	Bromomethane	17		0.2	0.2	1	ug/L
75-00-3	Chloroethane	17.7		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	17.2		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	17.3		0.2	0.2	1	ug/L
67-64-1	Acetone	94.9		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	17		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	17.5		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	17.9		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	17.8		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	17.2		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	17.4		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	17.7		0.2	0.2	1	ug/L
78-93-3	2-Butanone	90.5		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	17.8		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	17.4		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	18.8		0.2	0.5	1	ug/L
67-66-3	Chloroform	17.4		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	17.7		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	18.2		0.2	0.2	1	ug/L
71-43-2	Benzene	18.3		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	17.9		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	17.9		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	18		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	17.5		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	90.9		1	1	5	ug/L
108-88-3	Toluene	18.7		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	17.9		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.4		0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0815WBS01	SDG No.:	J4469
Lab Sample ID:	VN0815WBS01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050642.D	1		08/15/18 09:52	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	18		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	92.3		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	18.1		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	18.1		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	17.9		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	17.8		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	18.1		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	37.1		0.4	0.4	2	ug/L
95-47-6	o-Xylene	18.1		0.2	0.2	1	ug/L
100-42-5	Styrene	17		0.2	0.2	1	ug/L
75-25-2	Bromoform	17.8		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	19		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.3		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	17.9		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	17.6		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.1		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.2		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.8		61 - 141		94%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		69 - 133		95%	SPK: 50
2037-26-5	Toluene-d8	47.5		65 - 126		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.3		58 - 135		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	611914	7.67				
540-36-3	1,4-Difluorobenzene	888137	8.59				
3114-55-4	Chlorobenzene-d5	807676	11.41				
3855-82-1	1,4-Dichlorobenzene-d4	383366	13.34				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrew St. RI		Date Received:	
Client Sample ID:	VN0815WBS01		SDG No.:	J4469
Lab Sample ID:	VN0815WBS01		Matrix:	Water
Analytical Method:	SW8260		% Moisture:	100
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050642.D	1		08/15/18 09:52	VN081518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050642.D
 Acq On : 15 Aug 2018 9:52
 Operator : MD\SY
 Sample : VN0815WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VN0815WBS01

Manual Integrations
 APPROVED

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 8/16/2018 1:18:28 PM

Quant Time: Aug 16 02:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	611914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	888137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	807676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	383366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	360663	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	7.59	113	336658	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.09	98	1266946	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.40	95	390206	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	119830	17.37	ug/l	97
3) Chloromethane	2.06	50	153179	17.90	ug/l	98
4) Vinyl Chloride	2.18	62	159801	17.44	ug/l	100
5) Bromomethane	2.57	94	90607	17.02	ug/l	97
6) Chloroethane	2.70	64	95129	17.65	ug/l	99
7) Trichlorofluoromethane	3.01	101	206930	17.21	ug/l	100
8) Diethyl Ether	3.41	74	68480	17.12	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	128983	17.74	ug/l	99
10) Methyl Iodide	3.95	142	85843	21.25	ug/l	99
11) Tert butyl alcohol	4.79	59	36282	86.15	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	115159	17.34	ug/l	95
13) Acrolein	3.61	56	14311	82.46	ug/l	98
14) Allyl chloride	4.33	41	179782	17.41	ug/l	100
15) Acrylonitrile	4.99	53	199564	86.27	ug/l	98
16) Acetone	3.82	43	184502	94.90	ug/l	97
17) Carbon Disulfide	4.05	76	355817	17.03	ug/l	99
18) Methyl Acetate	4.33	43	100581	17.93	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	295774	17.50	ug/l	97
20) Methylene Chloride	4.55	84	136332	17.78	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	123719	17.19	ug/l	100
22) Diisopropyl ether	5.95	45	393036	18.56	ug/l	94
23) Vinyl Acetate	5.90	43	1227649	88.63	ug/l	100
24) 1,1-Dichloroethane	5.85	63	238429	17.40	ug/l	100
25) 2-Butanone	6.84	43	286196	90.50	ug/l	99
26) 2,2-Dichloropropane	6.83	77	196947	21.47	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	139353	17.39	ug/l	98
28) Bromochloromethane	7.20	49	117095	18.78	ug/l	100
29) Tetrahydrofuran	7.22	42	143244	86.75	ug/l	100
30) Chloroform	7.37	83	241835	17.42	ug/l	99
31) Cyclohexane	7.66	56	209353	17.68	ug/l #	93
32) 1,1,1-Trichloroethane	7.57	97	206915	17.70	ug/l	99
36) 1,1-Dichloropropene	7.80	75	180983	18.31	ug/l	99
37) Ethyl Acetate	6.94	43	101999	18.25	ug/l	97
38) Carbon Tetrachloride	7.77	117	182238	17.77	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050642.D
 Acq On : 15 Aug 2018 9:52
 Operator : MD\SY
 Sample : VN0815WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Manual Integrations
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 8/16/2018 1:18:28 PM

Quant Time: Aug 16 02:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	186506	18.22	ug/l	98
40) Benzene	8.04	78	550623	18.31	ug/l	99
41) Methacrylonitrile	7.18	41	49124	16.26	ug/l	89
42) 1,2-Dichloroethane	8.13	62	164613	17.86	ug/l	99
43) Isopropyl Acetate	8.17	43	175845	17.27	ug/l	99
44) Trichloroethene	8.84	130	144401	17.92	ug/l	98
45) 1,2-Dichloropropane	9.12	63	144370	18.03	ug/l	100
46) Dibromomethane	9.21	93	83695	17.70	ug/l	97
47) Bromodichloromethane	9.40	83	176865	17.50	ug/l	99
48) Methyl methacrylate	9.20	41	88596	17.29	ug/l	98
49) 1,4-Dioxane	9.20	88	23984	355.26	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	626181	90.91	ug/l	100
52) Toluene	10.16	92	336123	18.72	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	168682	17.92	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	199062	18.43	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	120558	17.97	ug/l	99
56) Ethyl methacrylate	10.43	69	135824	17.17	ug/l	99
57) 1,3-Dichloropropane	10.71	76	197401	17.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	374164	97.89	ug/l	100
59) 2-Hexanone	10.75	43	410163	92.26	ug/l	99
60) Dibromochloromethane	10.90	129	133822	18.07	ug/l	98
61) 1,2-Dibromoethane	11.01	107	115607	18.09	ug/l	99
64) Tetrachloroethene	10.63	164	133879	17.85	ug/l	99
65) Chlorobenzene	11.43	112	358083	17.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	135082	17.93	ug/l	100
67) Ethyl Benzene	11.51	91	586851	18.08	ug/l	99
68) m/p-Xylenes	11.62	106	460740	37.12	ug/l	99
69) o-Xylene	11.95	106	213913	18.07	ug/l	98
70) Styrene	11.96	104	345079	17.02	ug/l	100
71) Bromoform	12.13	173	88739	17.76	ug/l #	98
73) Isopropylbenzene	12.25	105	569348	19.01	ug/l	100
74) N-amyl acetate	12.07	43	135008	17.32	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	143964	19.27	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112951m	17.57	ug/l	
77) Bromobenzene	12.53	156	145929	17.94	ug/l	99
78) n-propylbenzene	12.59	91	646671	19.36	ug/l	99
79) 2-Chlorotoluene	12.68	91	390591	18.76	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	468671	19.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32741	18.99	ug/l	97
82) 4-Chlorotoluene	12.77	91	385454	18.73	ug/l	99
83) tert-Butylbenzene	12.99	119	388360	18.66	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	474448	19.71	ug/l	99
85) sec-Butylbenzene	13.17	105	523855	19.26	ug/l	100
86) p-Isopropyltoluene	13.29	119	445014	19.31	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	248346	17.94	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	241134	17.55	ug/l	99
89) n-Butylbenzene	13.62	91	335809	18.04	ug/l	98
90) Hexachloroethane	13.88	117	83939	18.11	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	240584	17.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18811	17.60	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050642.D
 Acq On : 15 Aug 2018 9:52
 Operator : MD\SY
 Sample : VN0815WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Manual Integrations
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 8/16/2018 1:18:28 PM

Quant Time: Aug 16 02:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98439	16.12	ug/l	99
94) Hexachlorobutadiene	15.01	225	76813	18.55	ug/l	97
95) Naphthalene	15.13	128	178839	15.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	96158	16.21	ug/l	96

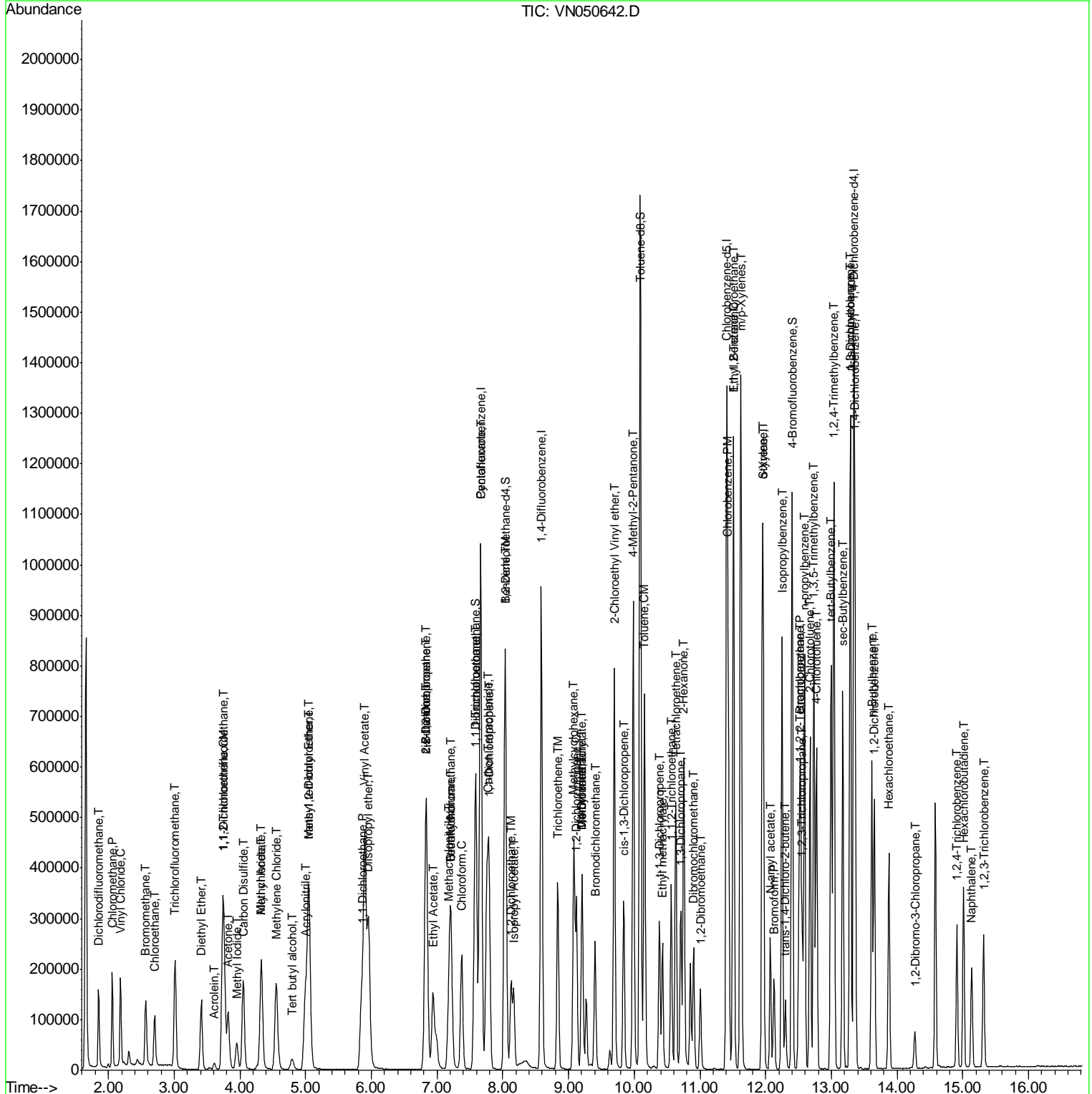
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050642.D
 Acq On : 15 Aug 2018 9:52
 Operator : MD\SY
 Sample : VN0815WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

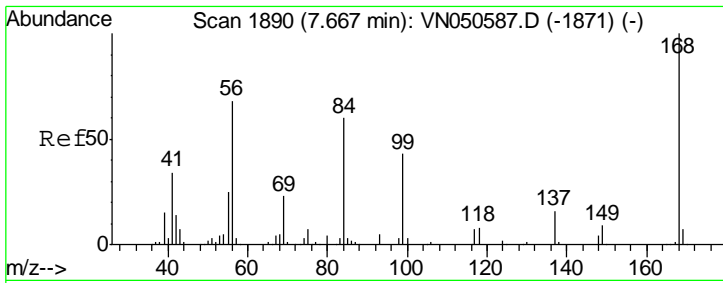
Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

Manual Integrations APPROVED
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 8/16/2018 1:18:28 PM

Quant Time: Aug 16 02:00:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



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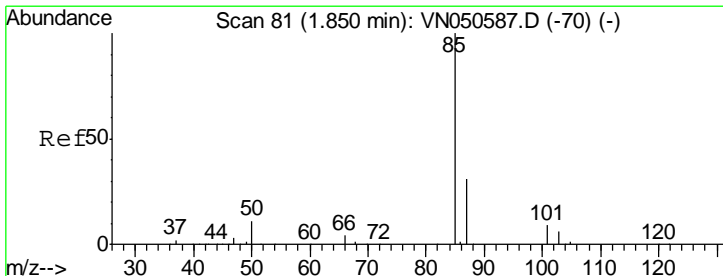
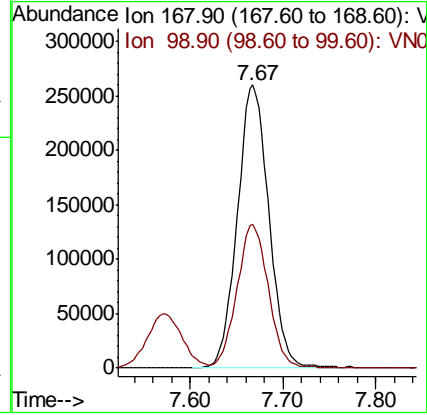
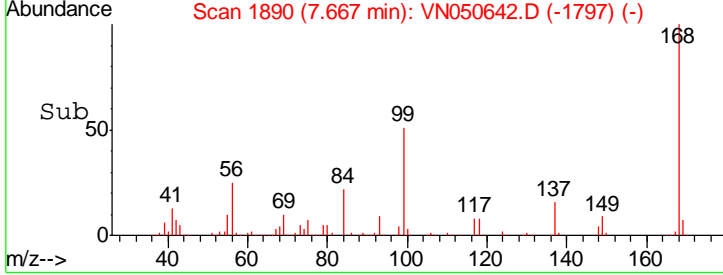
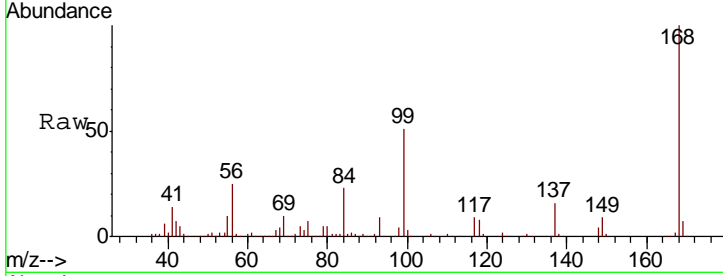


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

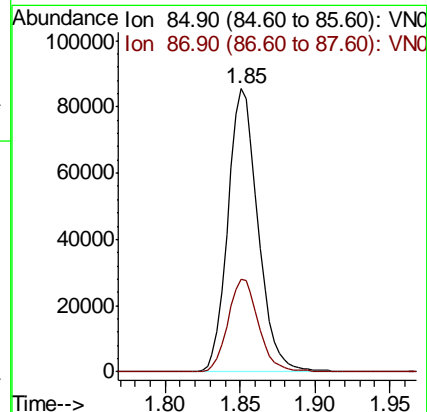
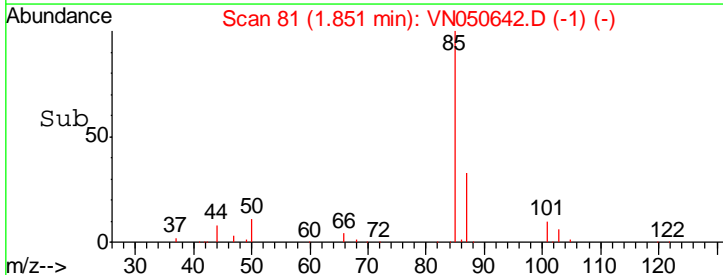
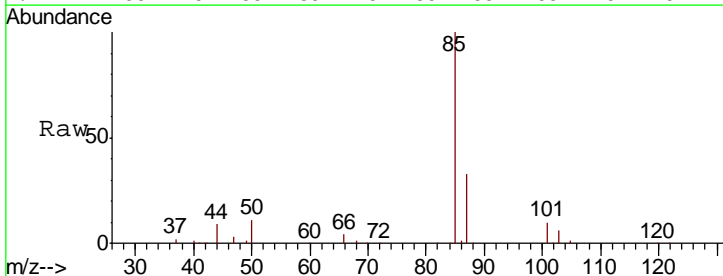
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.8	40.8	61.2

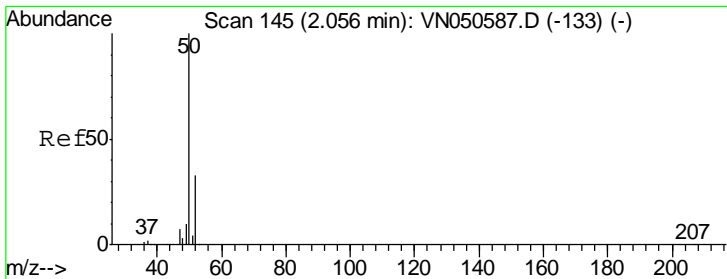
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#2
 Dichlorodifluoromethane
 Concen: 17.37 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.9	15.8	47.3





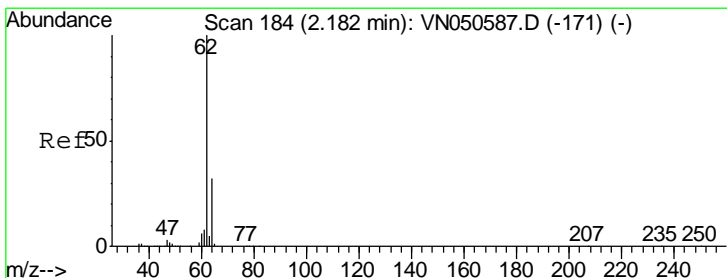
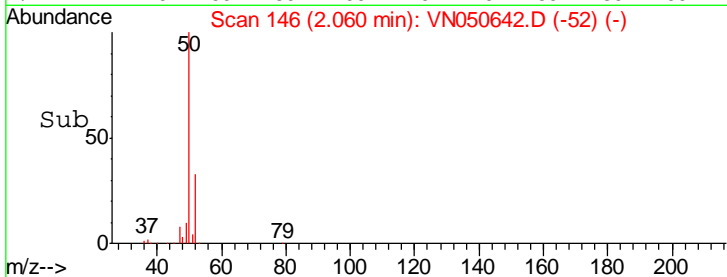
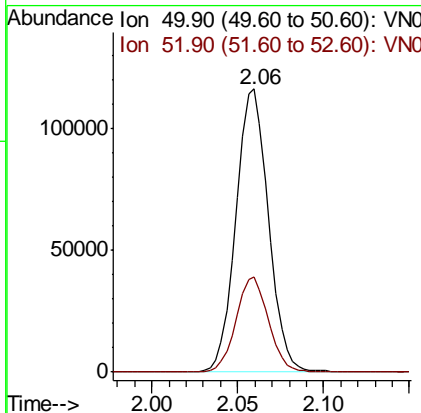
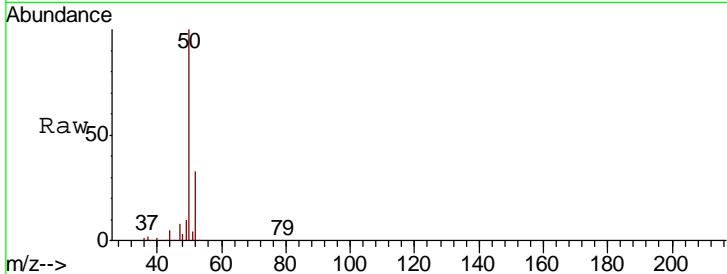
#3
 Chloromethane
 Concen: 17.90 ug/l
 RT: 2.06 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

Tgt Ion	Resp	Lower	Upper
50	153179		
52	33.5	26.0	39.0

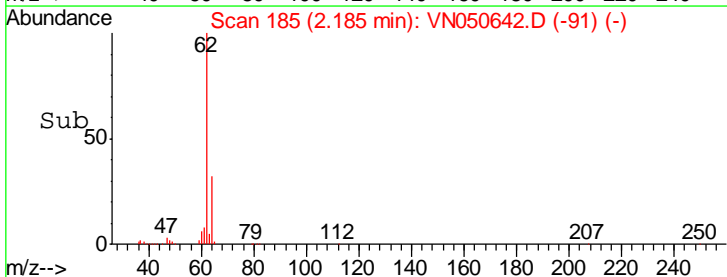
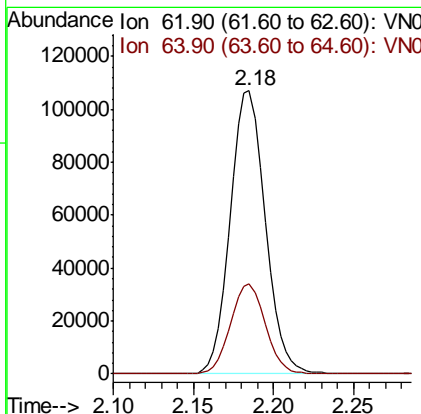
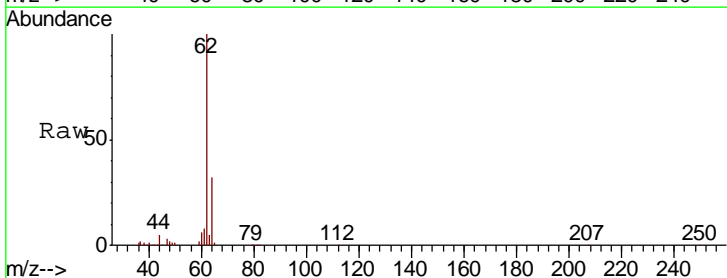
Manual Integrations
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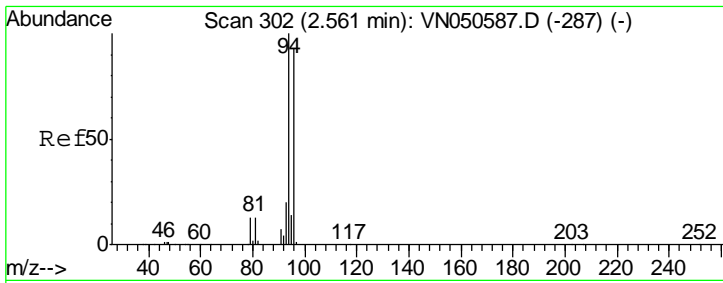
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#4
 Vinyl Chloride
 Concen: 17.44 ug/l
 RT: 2.18 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
62	159801		
64	31.7	25.2	37.8





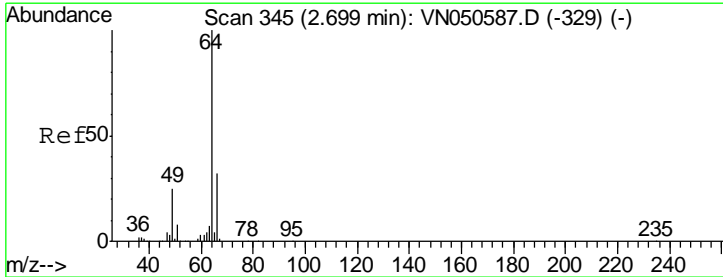
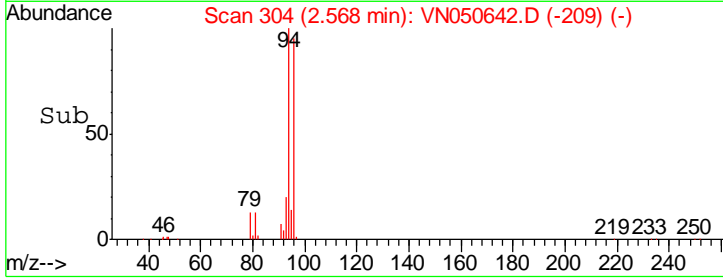
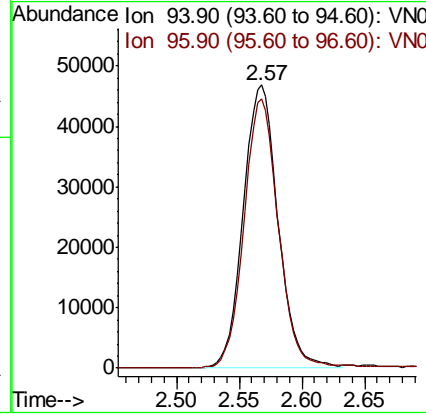
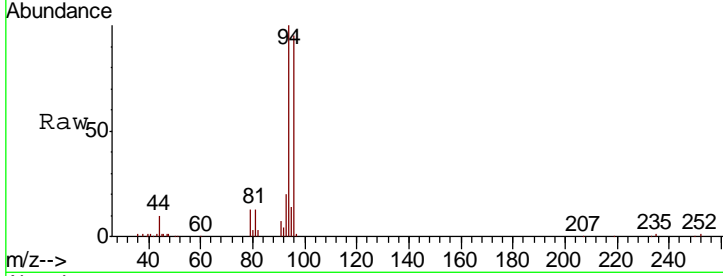
#5
 Bromomethane
 Concen: 17.02 ug/l
 RT: 2.57 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
94	100		
96	95.4	74.0	111.0

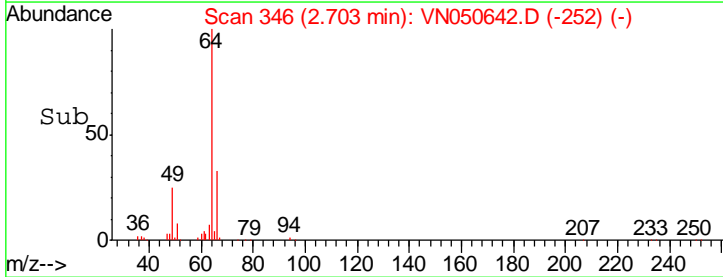
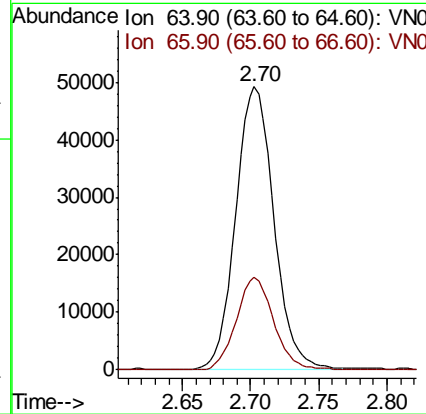
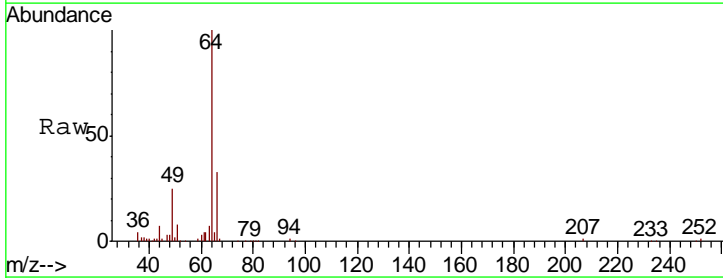
Manual Integrations
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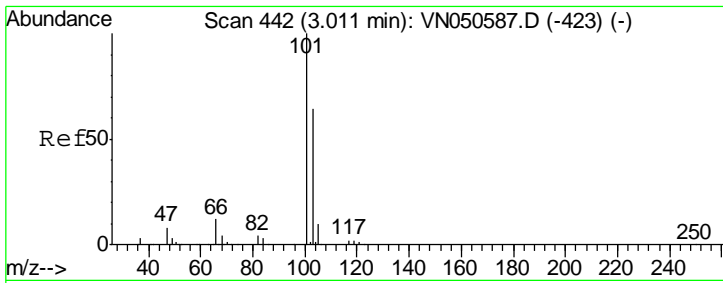
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 8/16/2018 1:18:28 PM



#6
 Chloroethane
 Concen: 17.65 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
64	100		
66	32.7	25.7	38.5





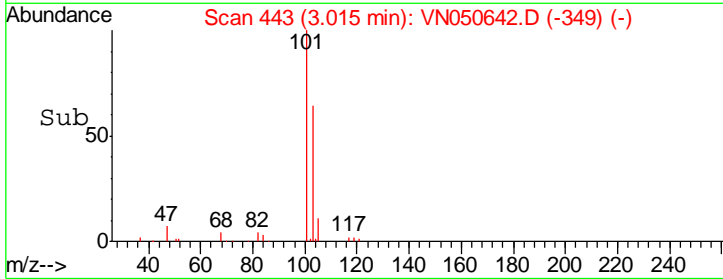
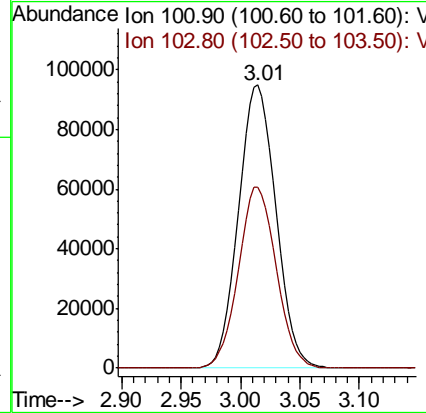
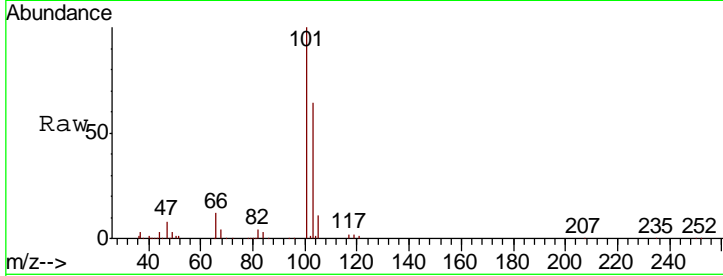
#7
 Trichlorofluoromethane
 Concen: 17.21 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
101	206930		
103	63.8	51.4	77.0

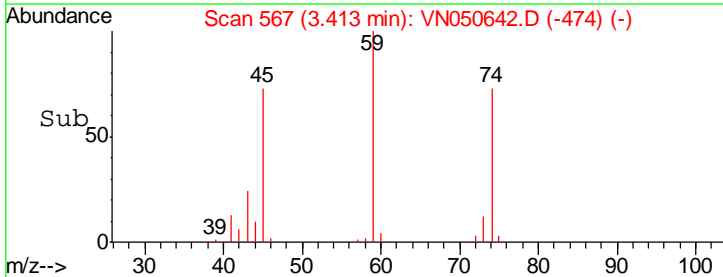
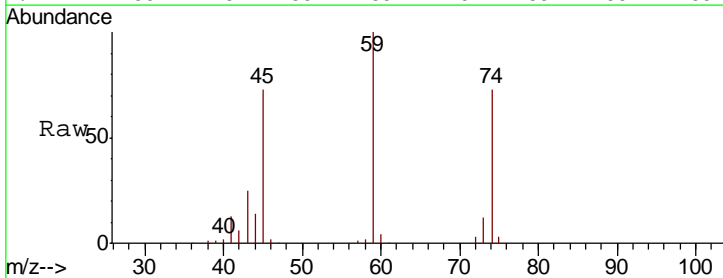
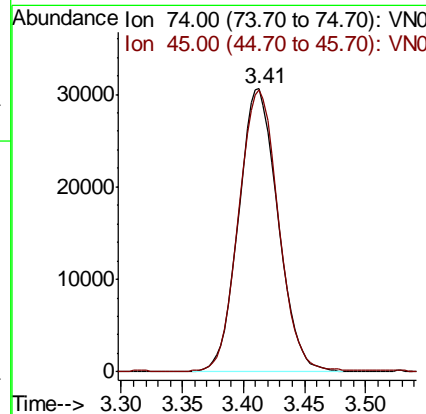
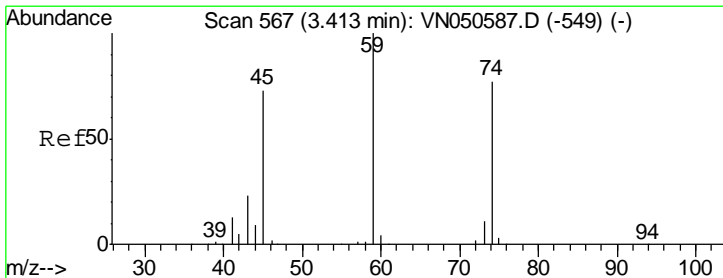
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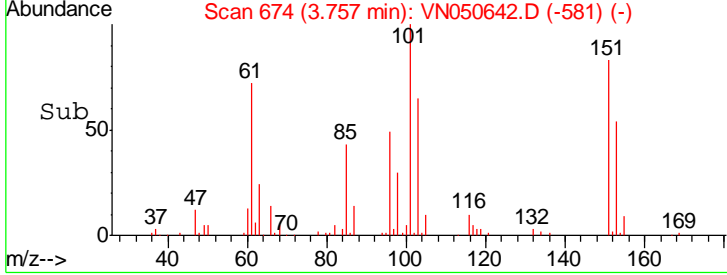
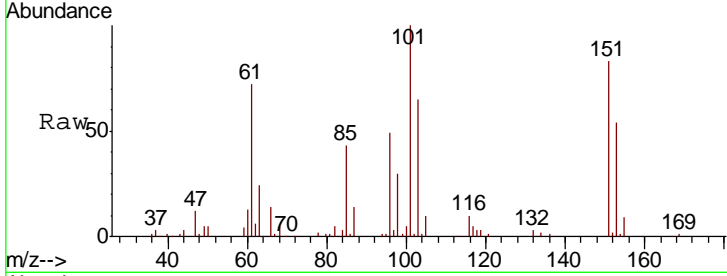
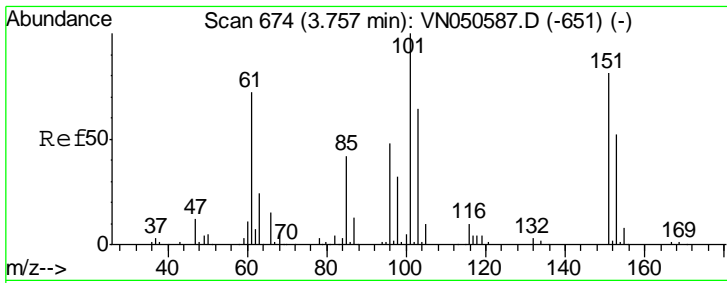
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#8
 Diethyl Ether
 Concen: 17.12 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
74	68480		
45	101.0	48.0	144.2



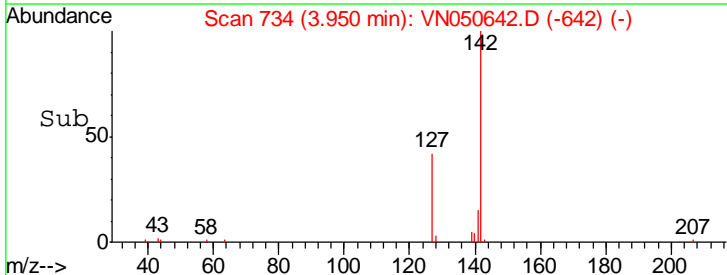
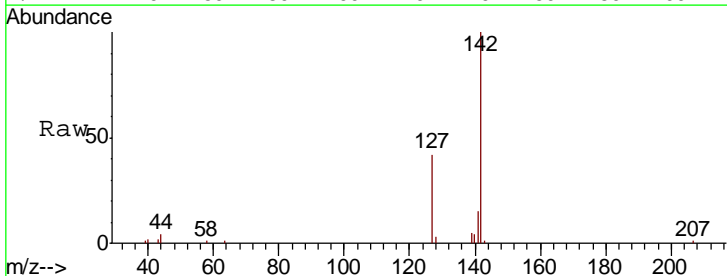
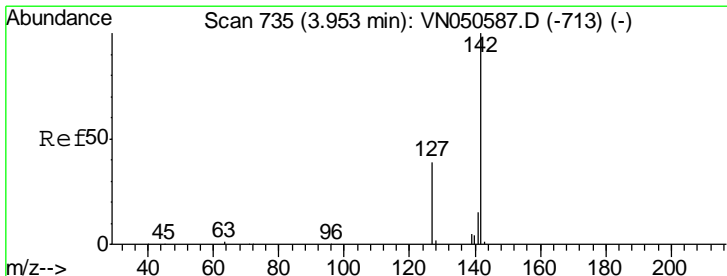
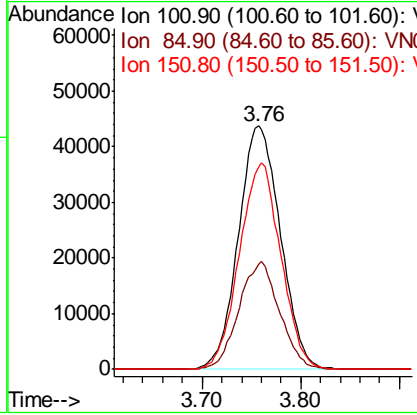


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.74 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
101	128983		
101	100		
85	42.8	33.4	50.0
151	83.7	66.6	100.0

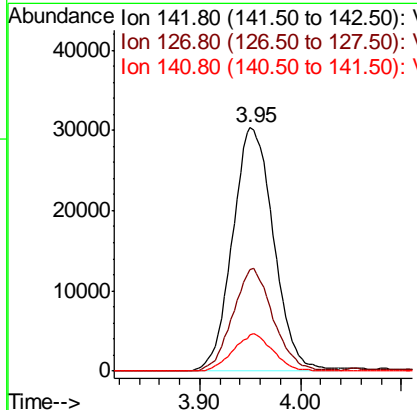
Instrument : MSVOA_N
 ClientSampleId : VN0815WBS01

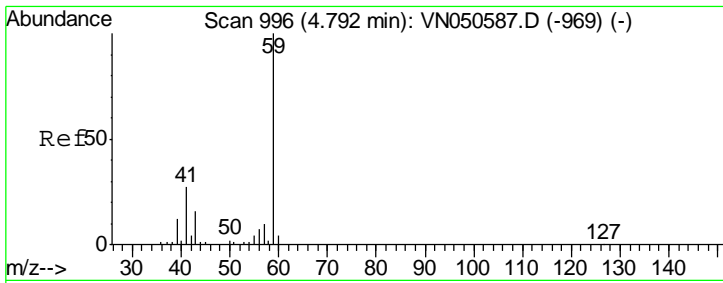
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#10
 Methyl Iodide
 Concen: 21.25 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
142	85843		
142	100		
127	41.3	32.6	49.0
141	14.6	11.5	17.3





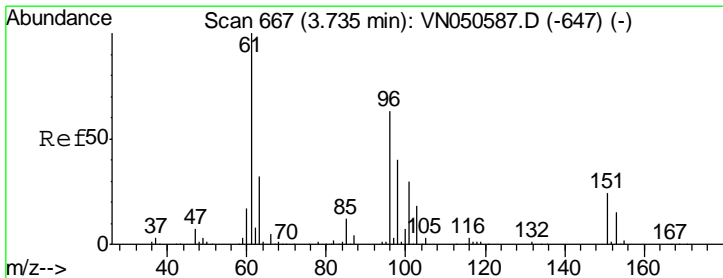
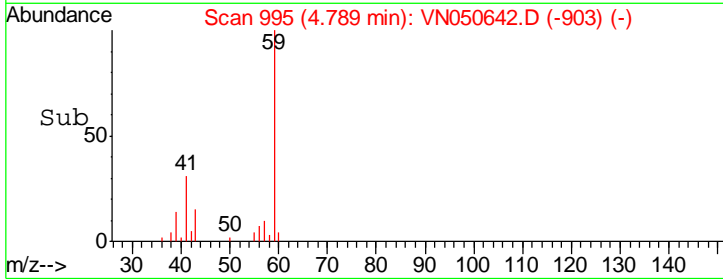
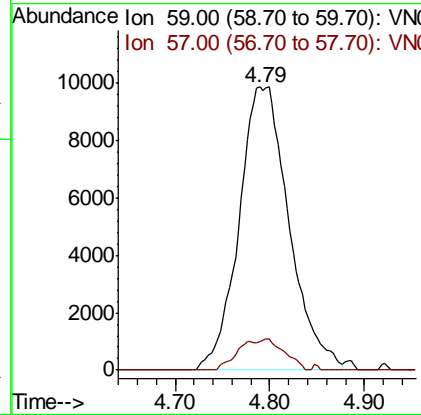
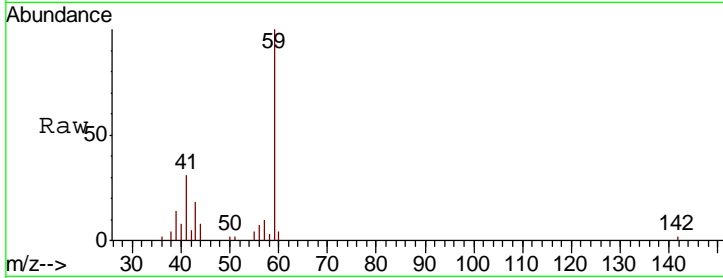
#11
 Tert butyl alcohol
 Concen: 86.15 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 Client Sampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
59	36282		
59	100		
57	0.0	8.4	12.6#

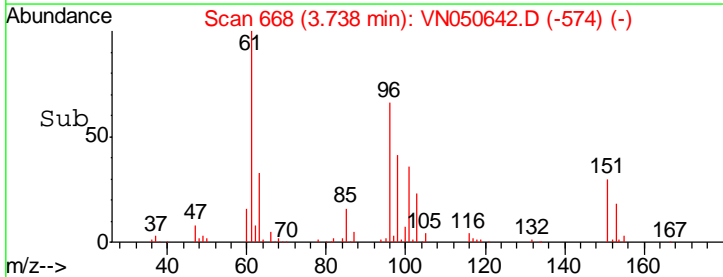
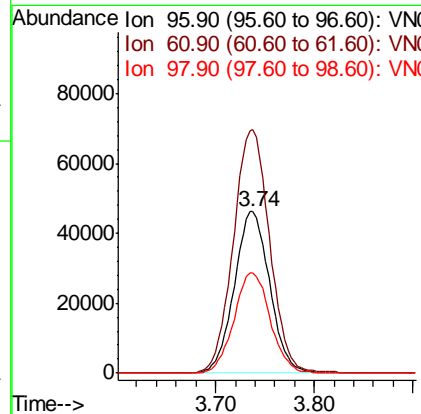
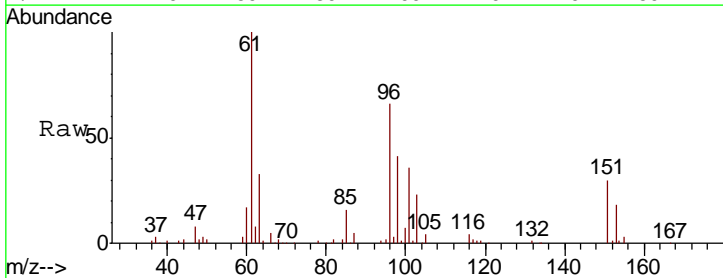
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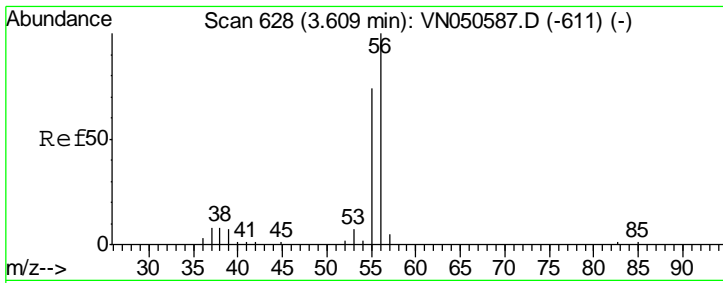
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#12
 1,1-Dichloroethene
 Concen: 17.34 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
96	115159		
96	100		
61	150.6	126.9	190.3
98	62.2	51.1	76.7



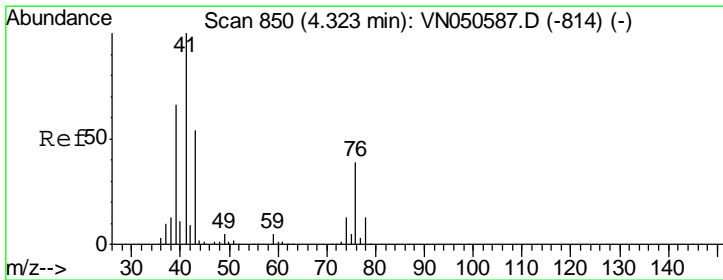
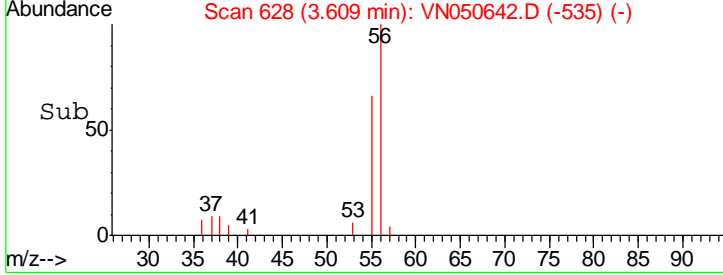
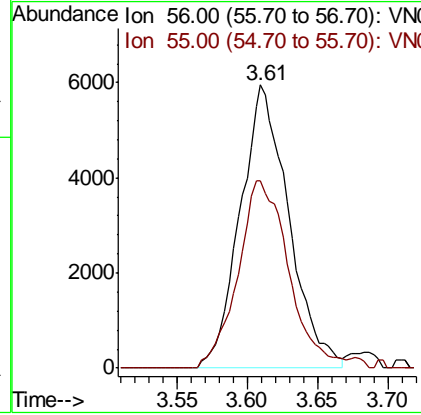
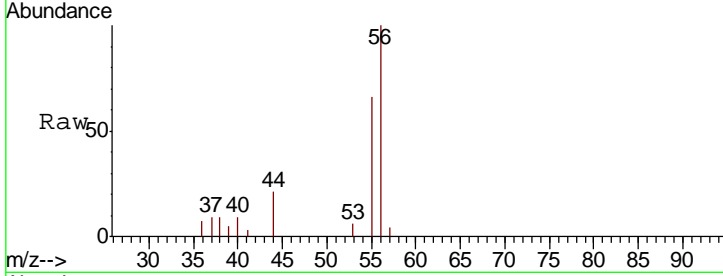


#13
 Acrolein
 Concen: 82.46 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
56	14311		
55	69.2	56.3	84.5

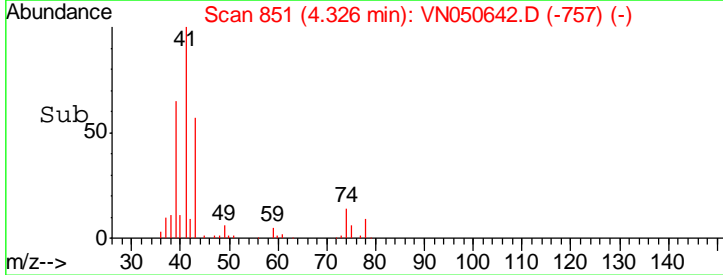
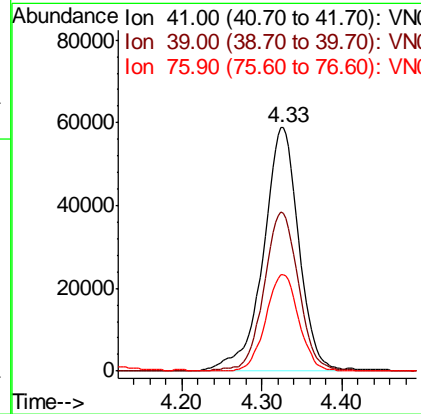
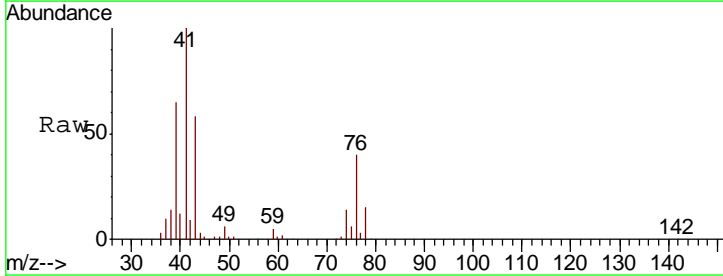
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

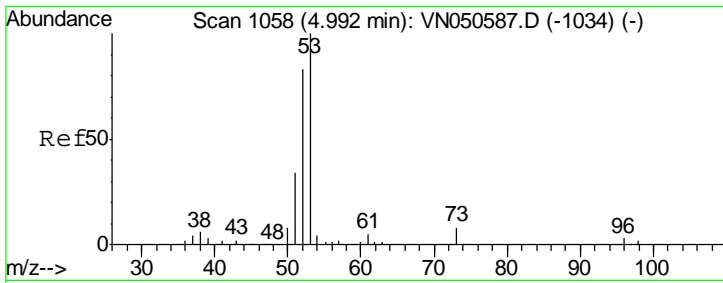
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#14
 Allyl chloride
 Concen: 17.41 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
41	179782		
39	63.9	51.4	77.0
76	36.3	29.4	44.0





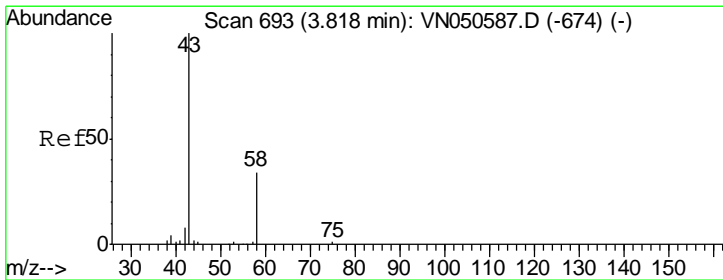
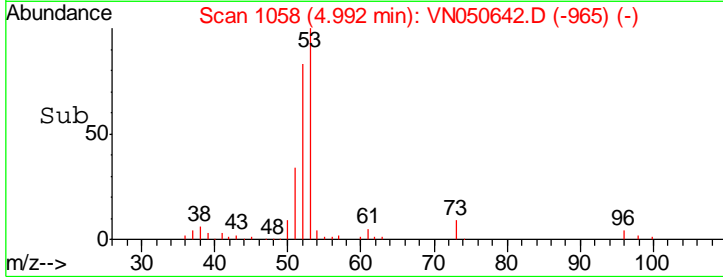
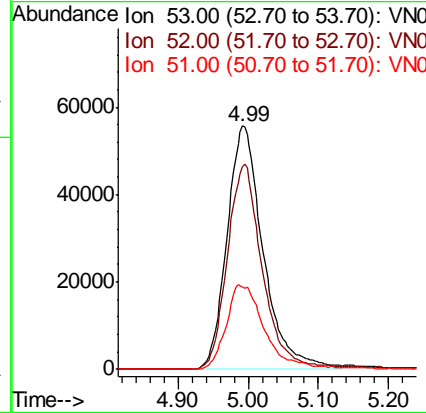
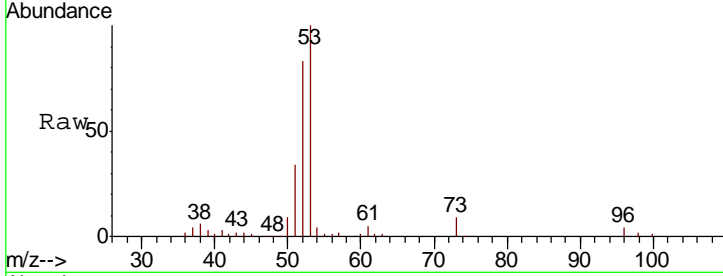
#15
 Acrylonitrile
 Concen: 86.27 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
53	100		
52	80.6	66.2	99.2
51	36.9	28.6	43.0

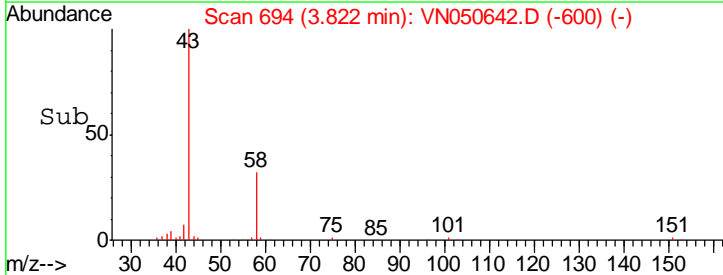
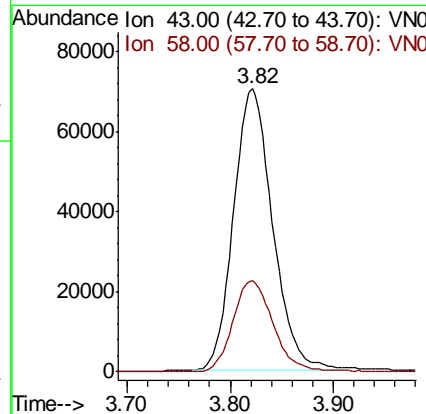
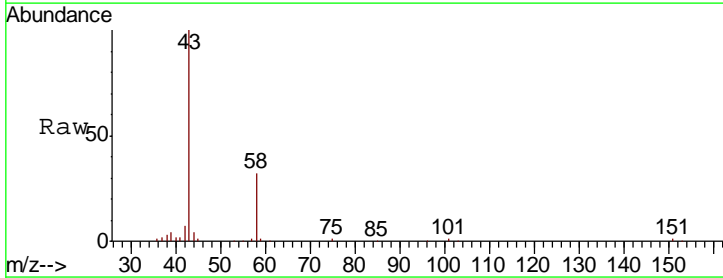
Manual Integrations
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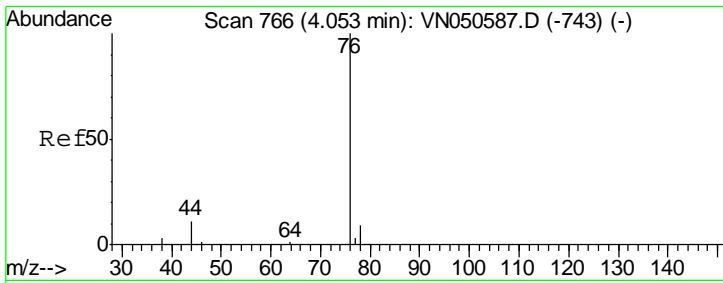
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#16
 Acetone
 Concen: 94.90 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
43	100		
58	32.3	27.1	40.7



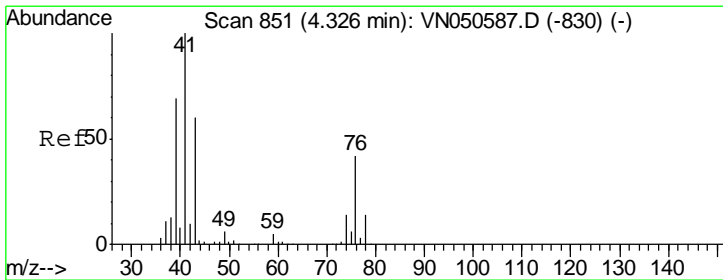
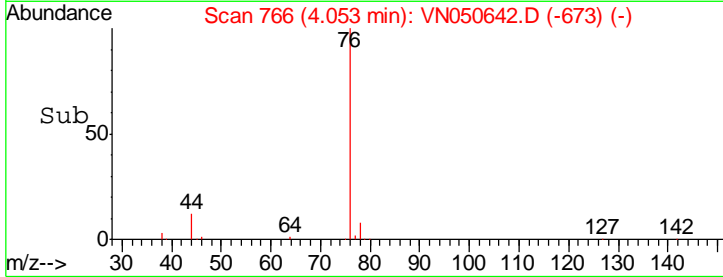
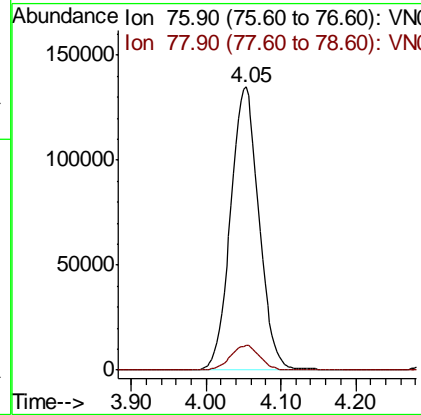
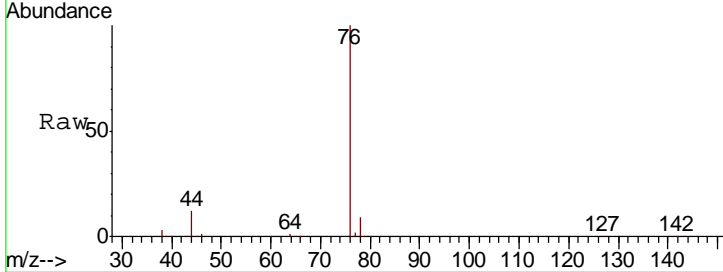


#17
 Carbon Disulfide
 Concen: 17.03 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
76	355817		
76	100		
78	8.7	7.3	10.9

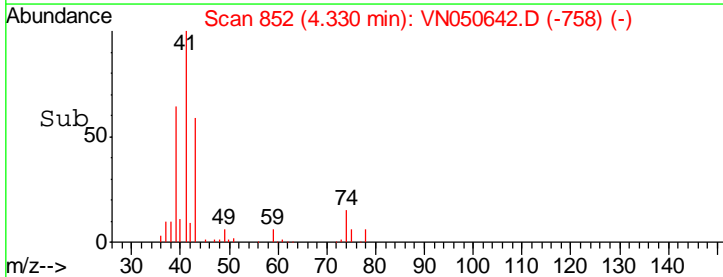
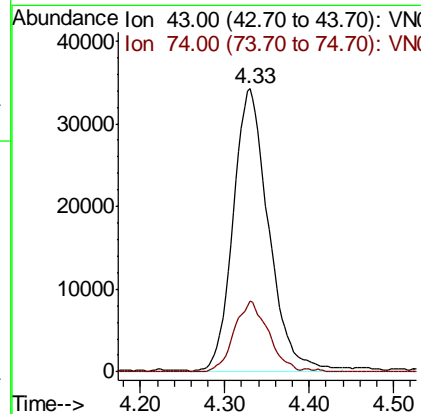
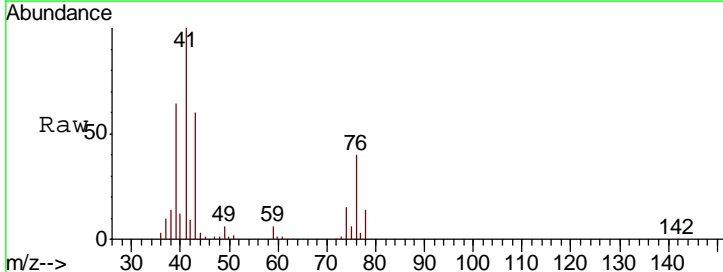
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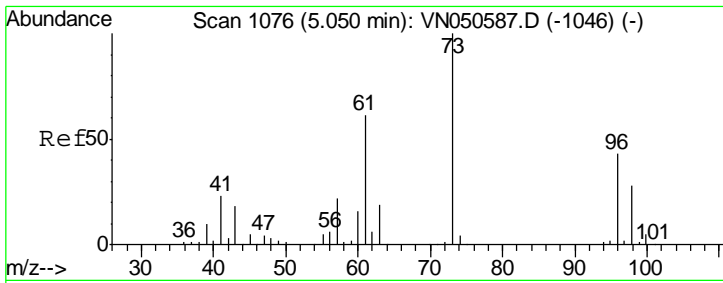


#18
 Methyl Acetate
 Concen: 17.93 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
43	100581		
43	100		
74	24.0	19.7	29.5



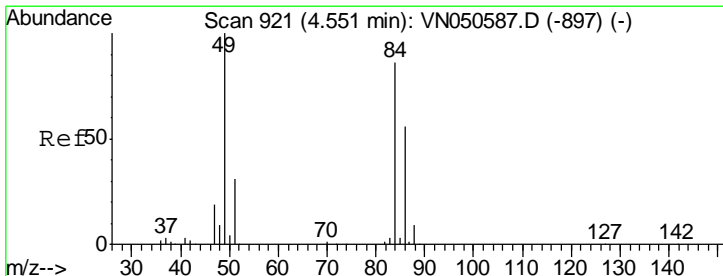
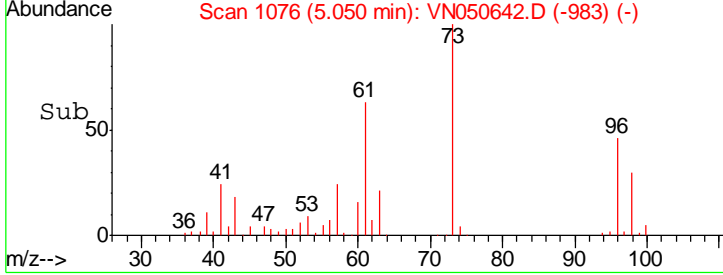
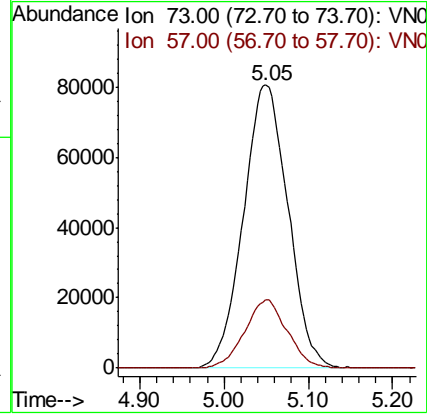
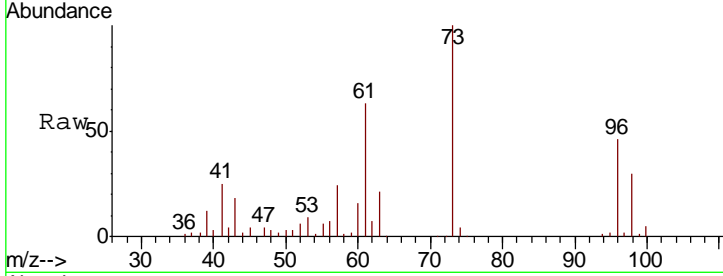


#19
 Methyl tert-butyl Ether
 Concen: 17.50 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

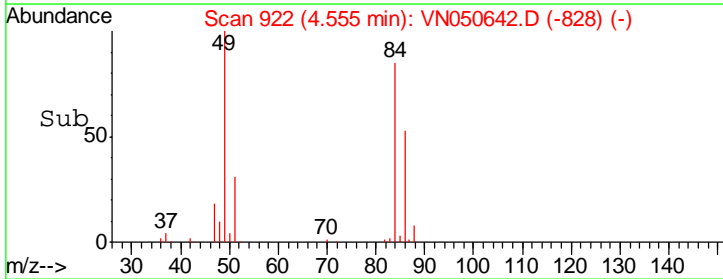
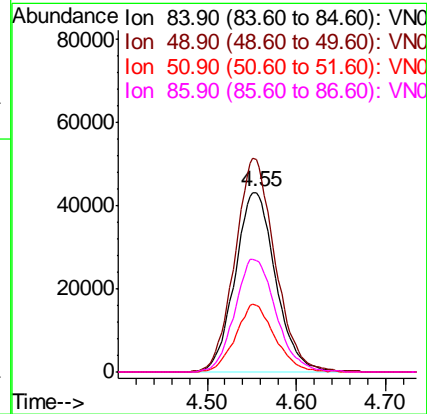
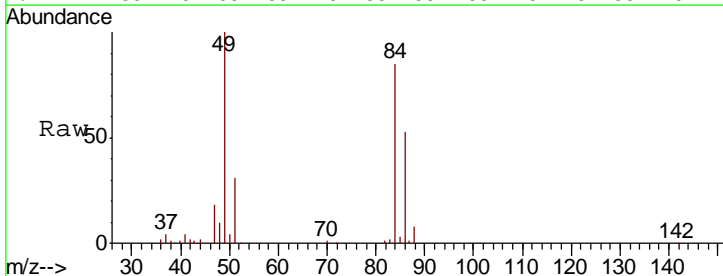
Tgt Ion: 73 Resp: 295774
 Ion Ratio Lower Upper
 73 100
 57 24.1 17.9 26.9

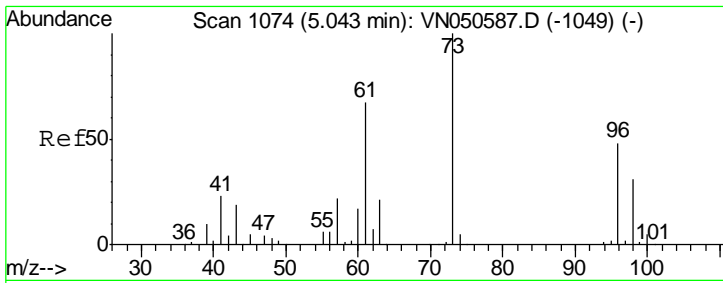
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#20
 Methylene Chloride
 Concen: 17.78 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion: 84 Resp: 136332
 Ion Ratio Lower Upper
 84 100
 49 117.7 92.6 138.8
 51 37.1 28.6 43.0
 86 62.3 52.2 78.2





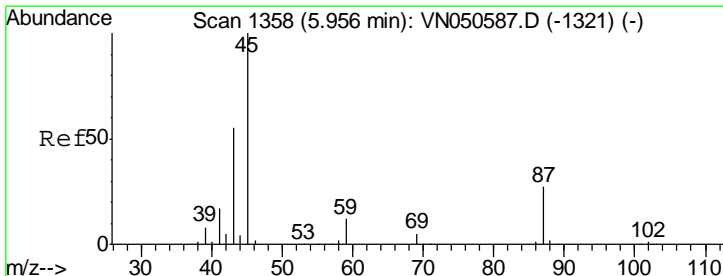
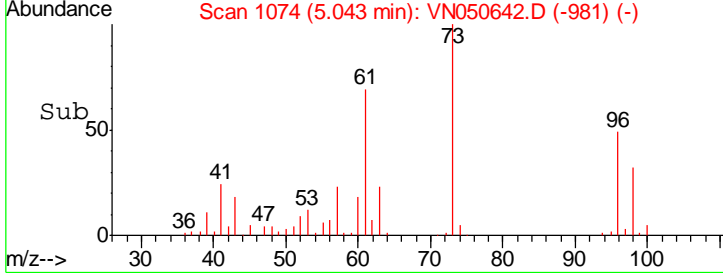
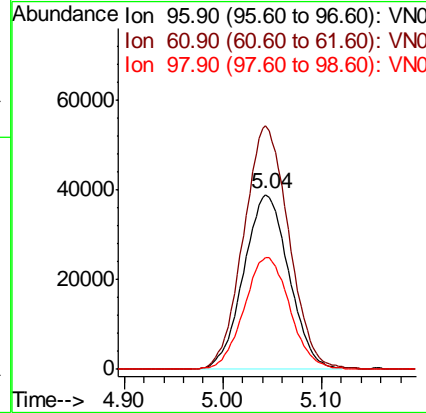
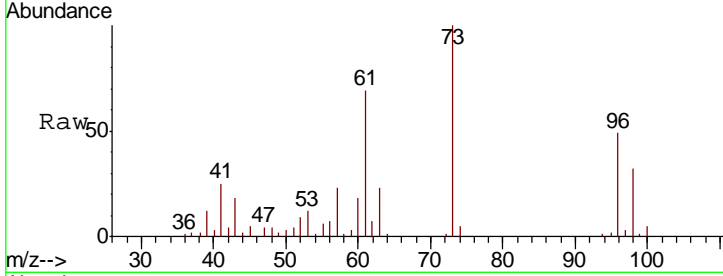
#21
 trans-1,2-Dichloroethene
 Concen: 17.19 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 Client Sampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
96	123719		
96	100		
61	139.3	111.2	166.8
98	64.0	51.6	77.4

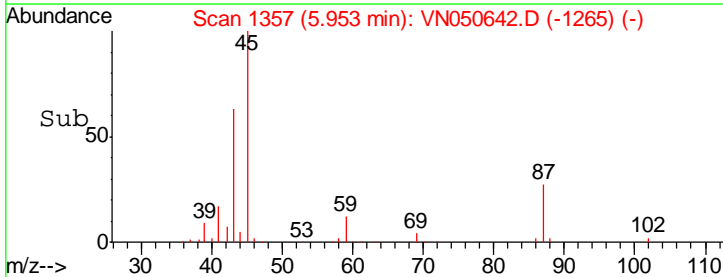
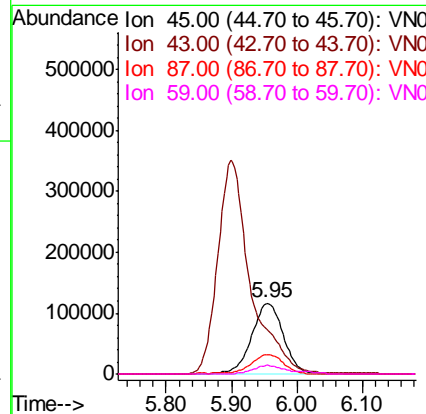
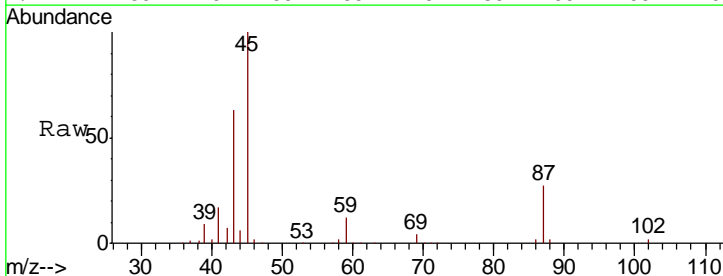
Manual Integrations
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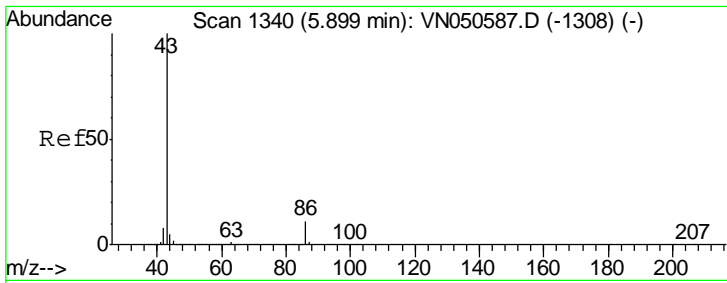
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#22
 Diisopropyl ether
 Concen: 18.56 ug/l
 RT: 5.95 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
45	393036		
45	100		
43	61.7	44.5	66.7
87	26.6	22.2	33.2
59	11.6	9.5	14.3





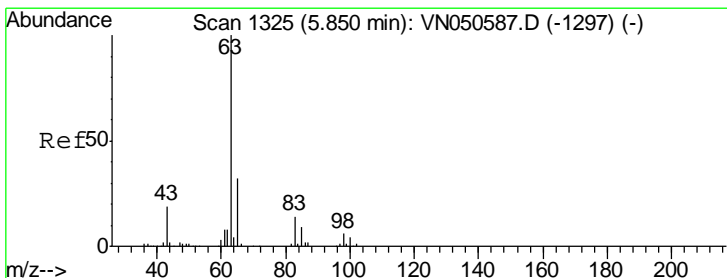
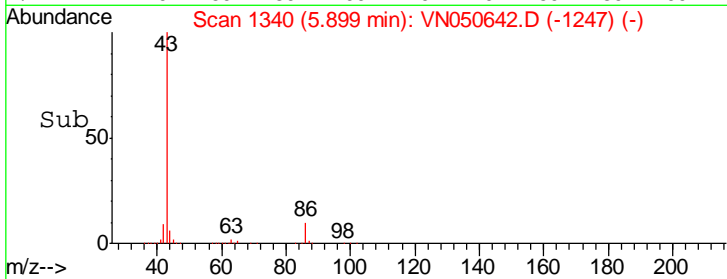
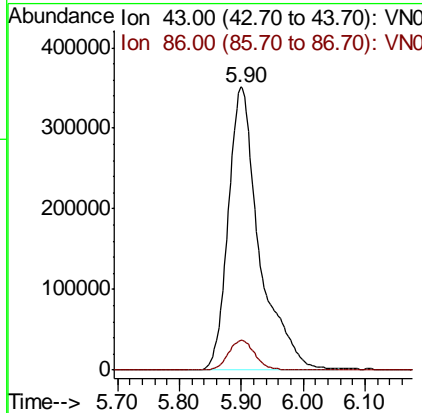
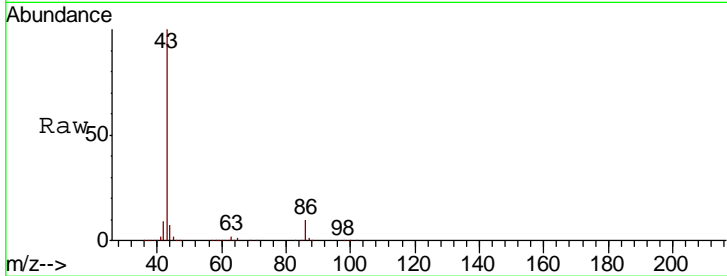
#23
 Vinyl Acetate
 Concen: 88.63 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

Tgt Ion: 43 Resp: 1227649

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.4	12.6

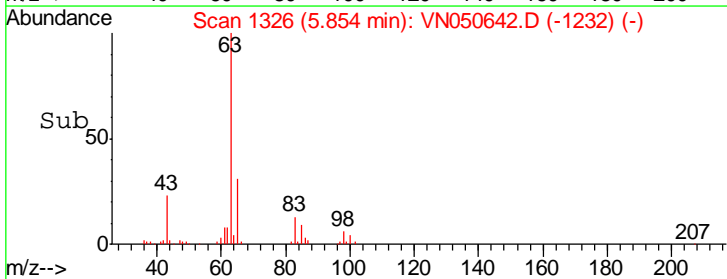
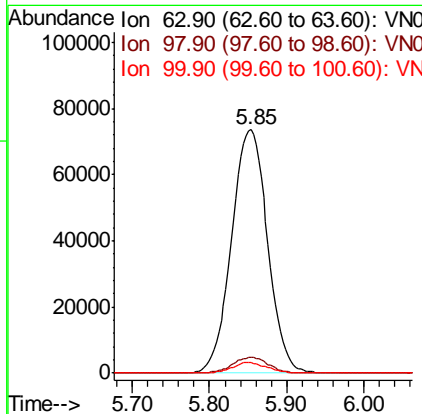
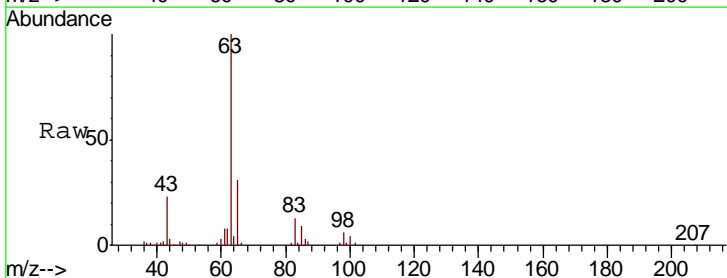
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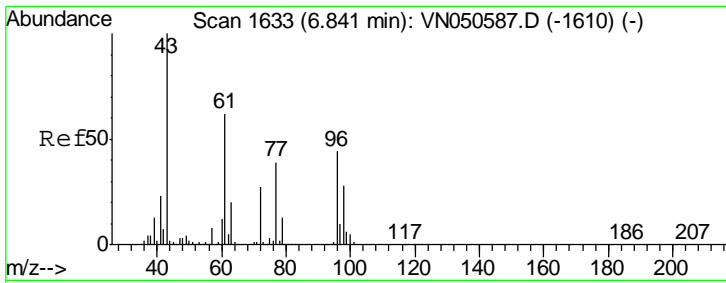


#24
 1,1-Dichloroethane
 Concen: 17.40 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion: 63 Resp: 238429

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	4.2	2.1	6.5





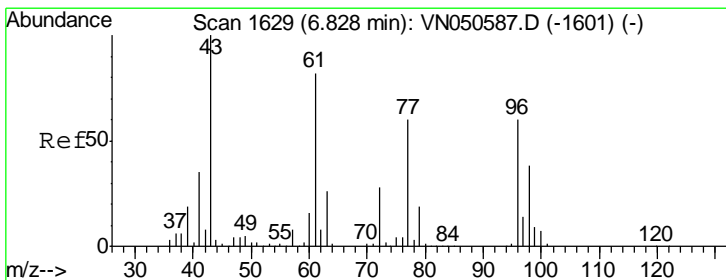
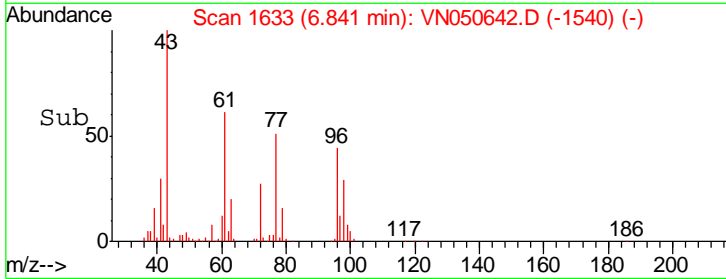
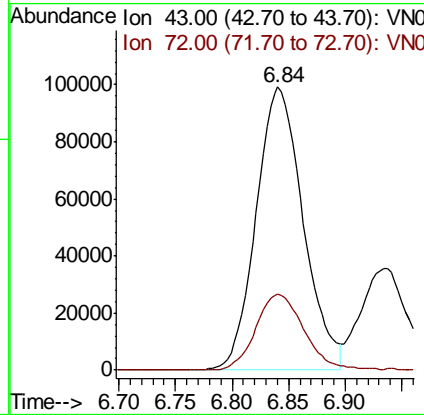
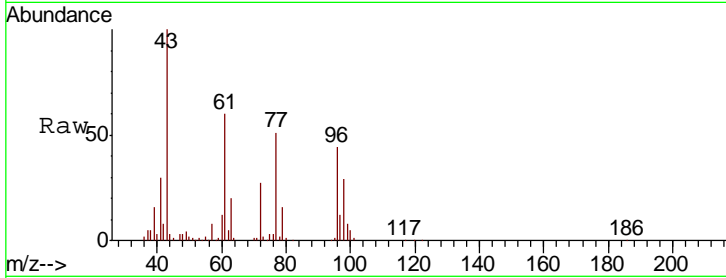
#25
 2-Butanone
 Concen: 90.50 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.8	32.6

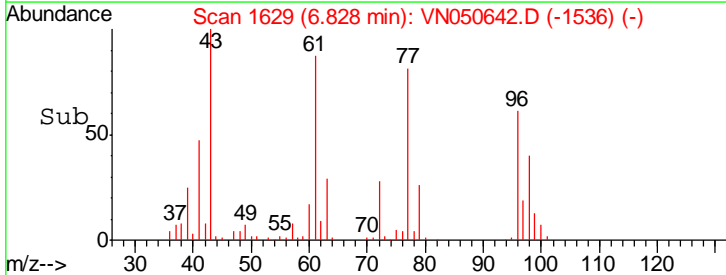
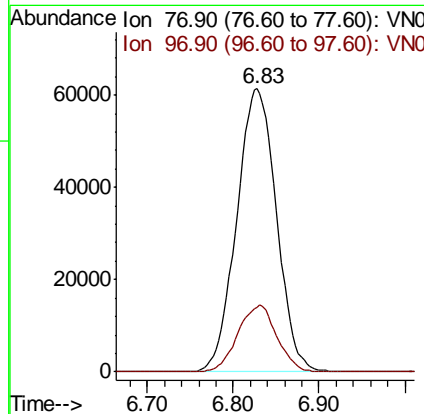
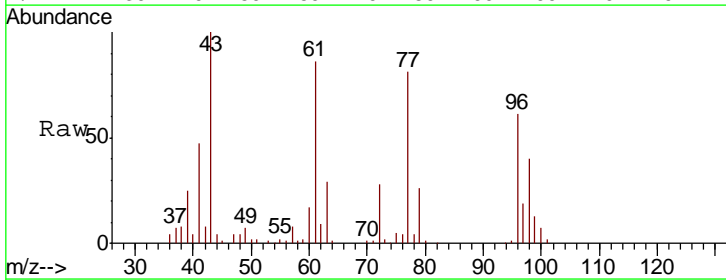
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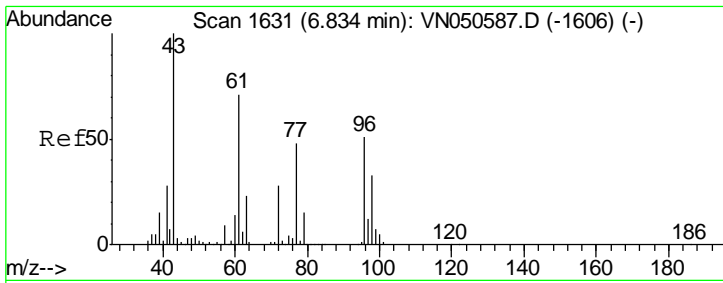
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#26
 2,2-Dichloropropane
 Concen: 21.47 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.0	12.2	36.4



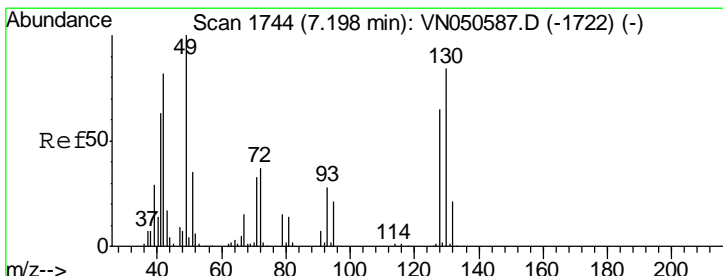
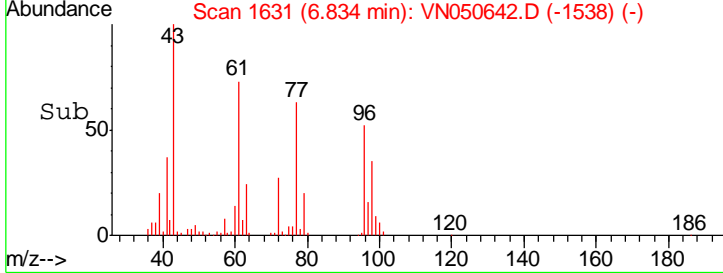
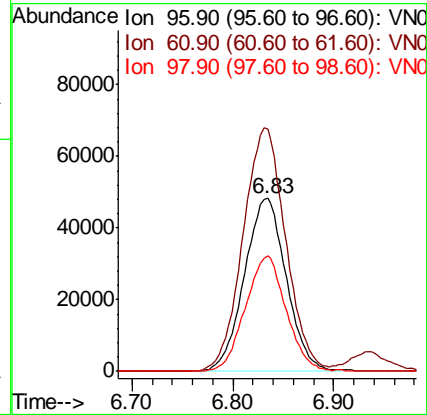
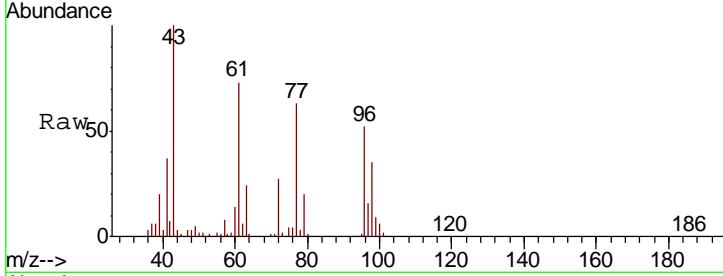


#27
 cis-1,2-Dichloroethene
 Concen: 17.39 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

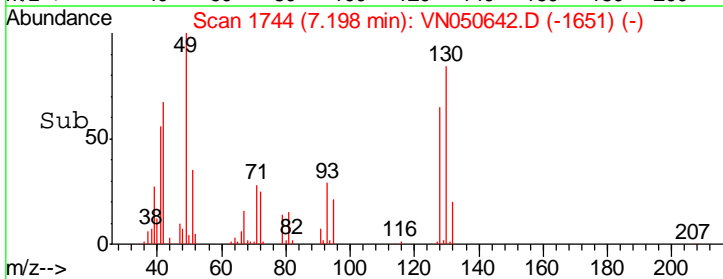
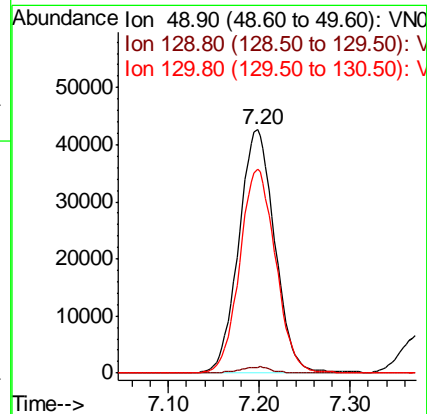
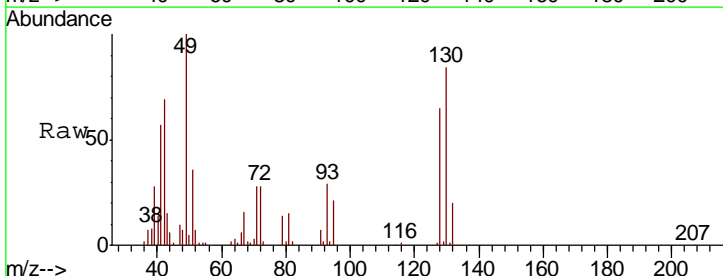
Tgt Ion	Resp	Lower	Upper
96	139353		
96	100		
61	142.9	0.0	278.2
98	64.6	0.0	128.8

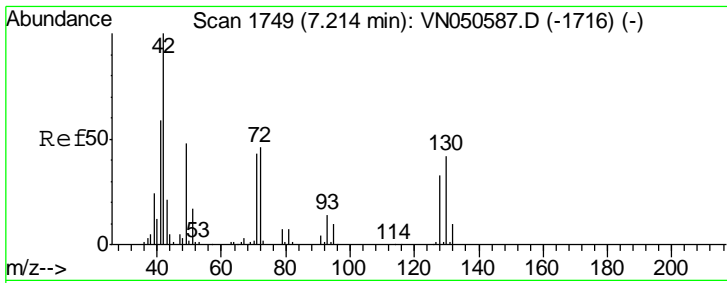
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#28
 Bromochloromethane
 Concen: 18.78 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
49	117095		
49	100		
129	2.2	0.0	4.2
130	83.3	66.8	100.2



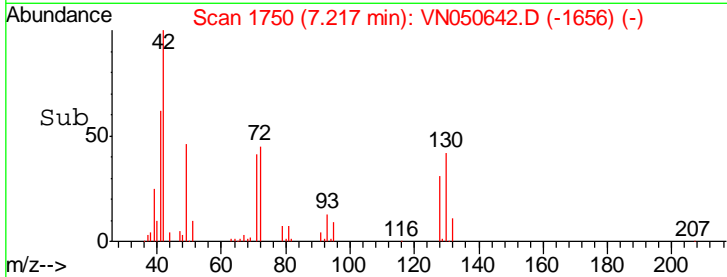
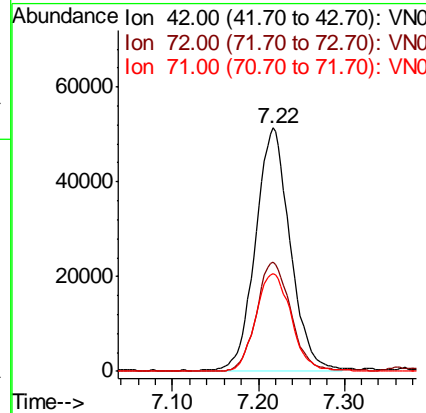
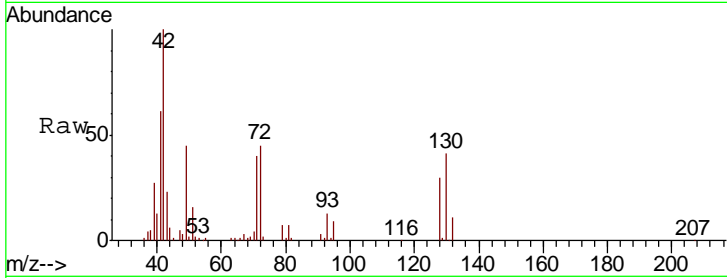


#29
 Tetrahydrofuran
 Concen: 86.75 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

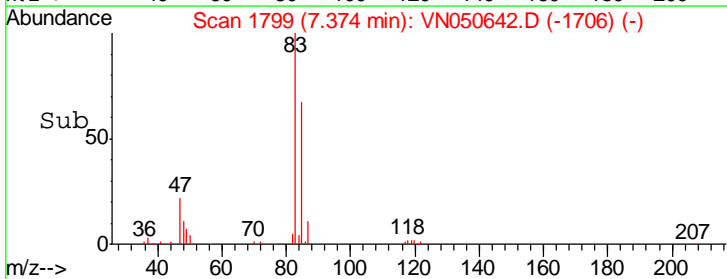
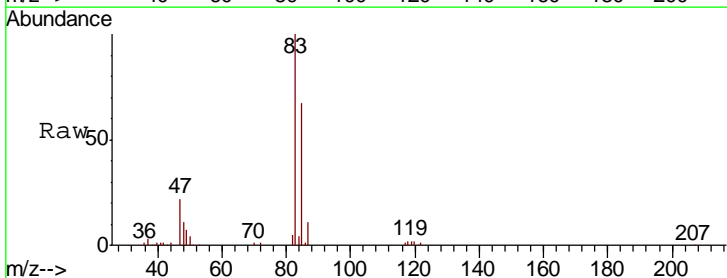
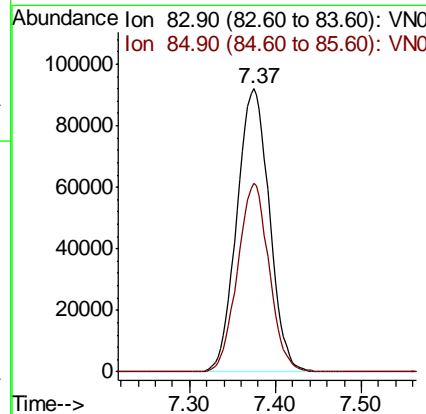
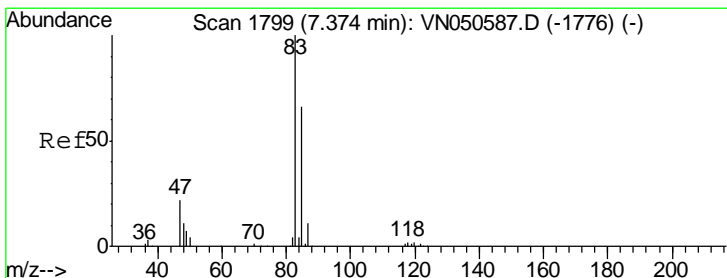
Tgt Ion	Resp	Lower	Upper
42	143244		
72	44.9	35.8	53.6
71	41.6	33.4	50.0

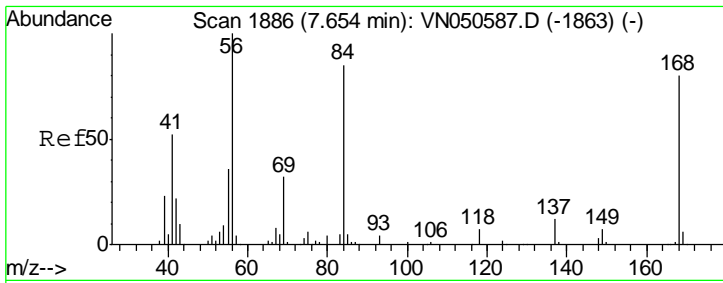
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#30
 Chloroform
 Concen: 17.42 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
83	241835		
85	66.8	52.5	78.7





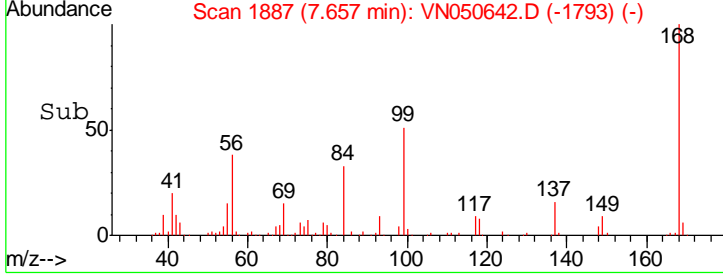
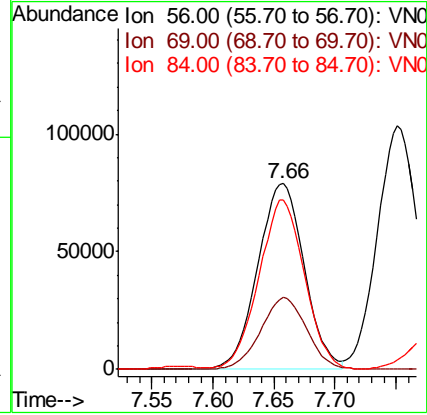
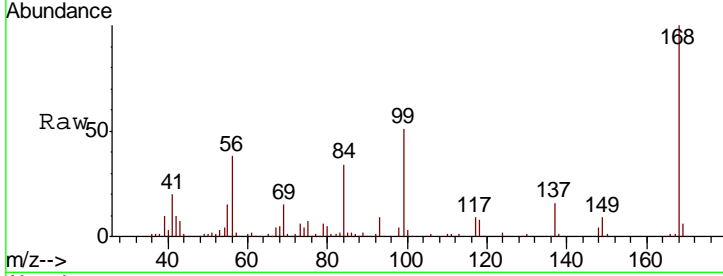
#31
 Cyclohexane
 Concen: 17.68 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

Tgt Ion	Resp	Lower	Upper
56	100		
69	38.8	25.8	38.6#
84	89.8	67.8	101.6

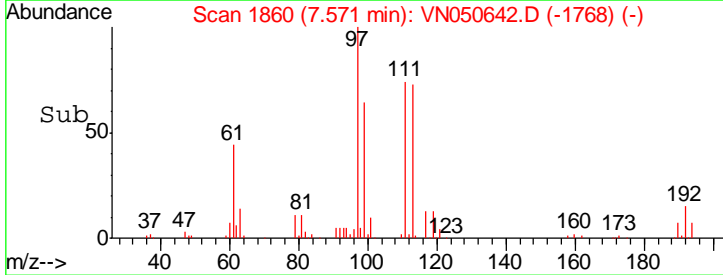
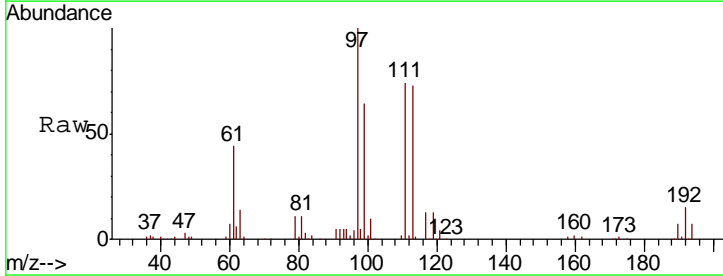
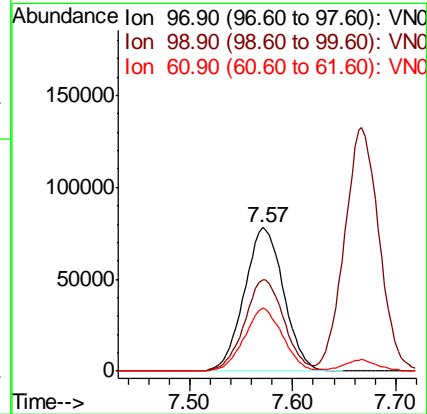
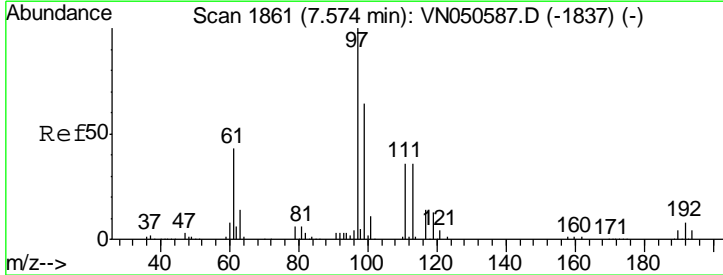
Manual Integrations
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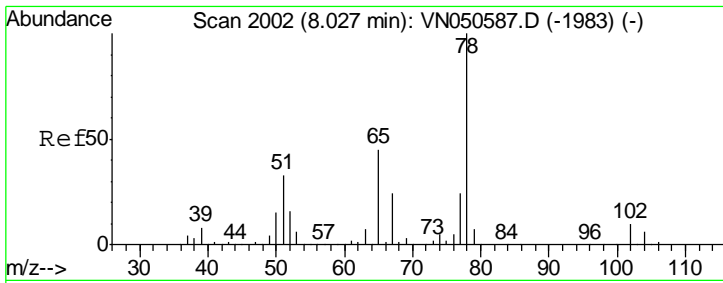
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#32
 1,1,1-Trichloroethane
 Concen: 17.70 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
97	100		
99	63.7	51.1	76.7
61	42.5	34.8	52.2





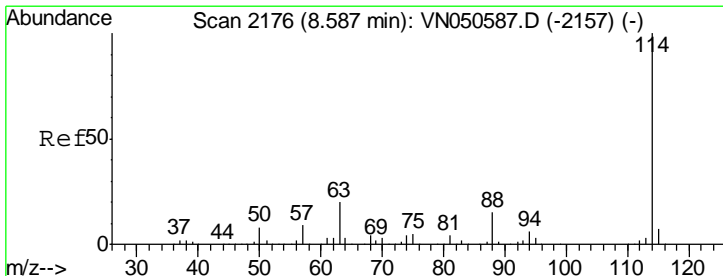
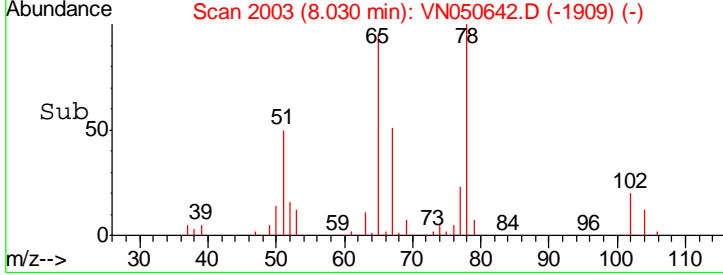
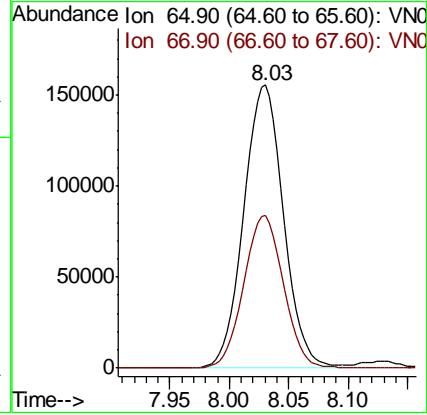
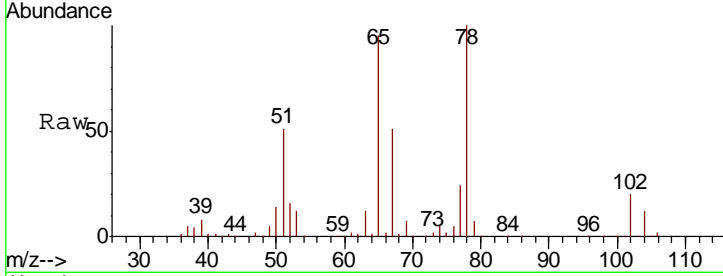
#33
 1,2-Dichloroethane-d4
 Concen: 46.76 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion: 65 Resp: 360663
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.8

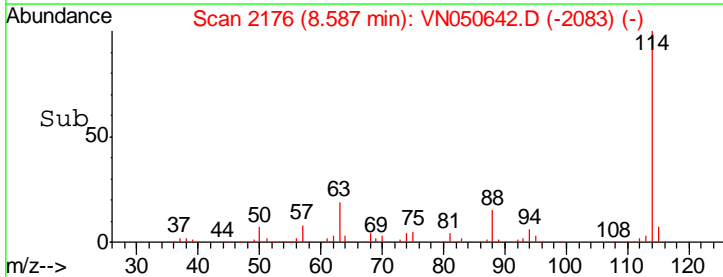
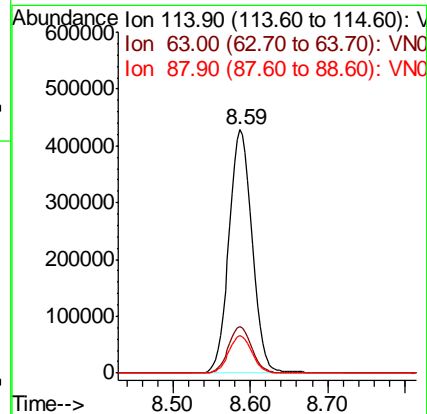
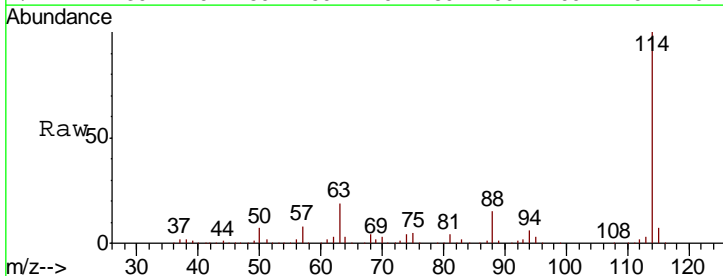
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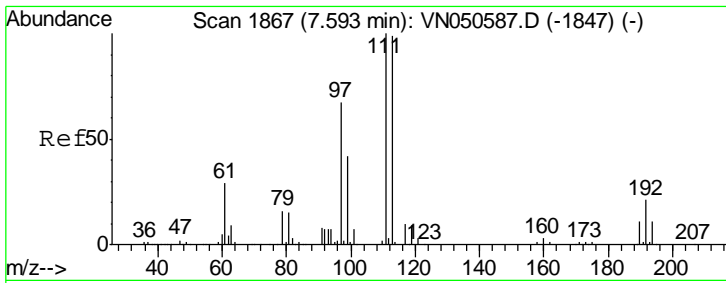
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion: 114 Resp: 888137
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 15.2 0.0 30.8





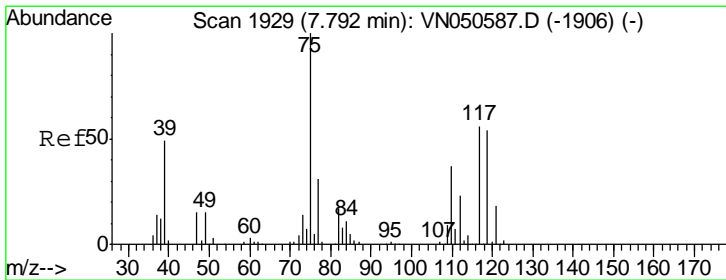
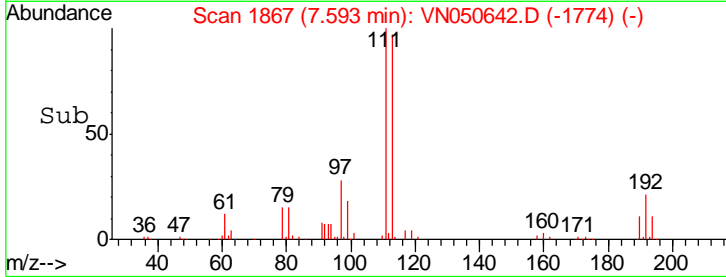
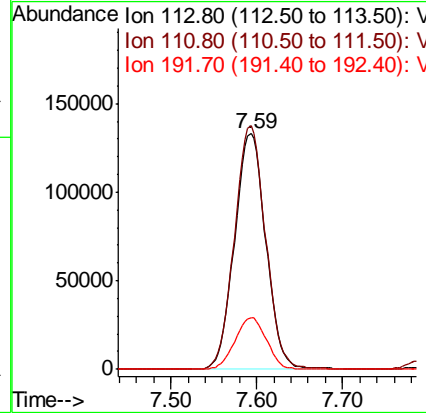
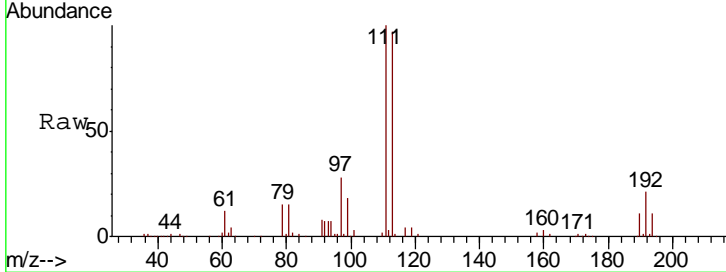
#35
 Dibromofluoromethane
 Concen: 47.48 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.6	81.0	121.6
192	22.1	17.6	26.4

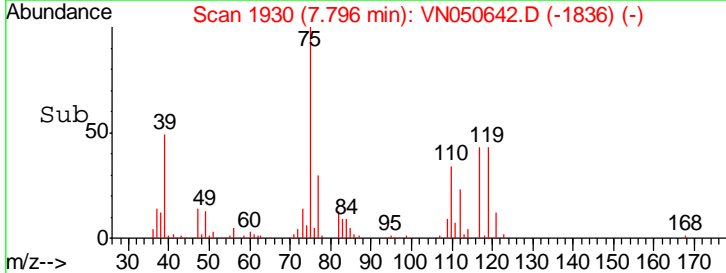
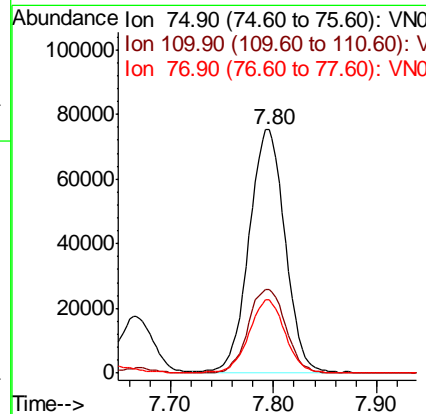
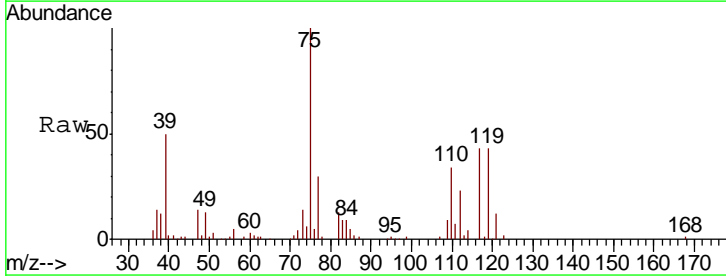
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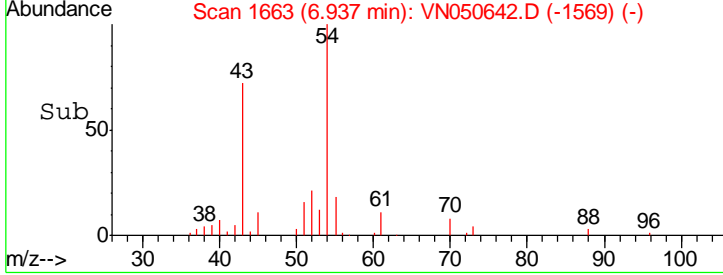
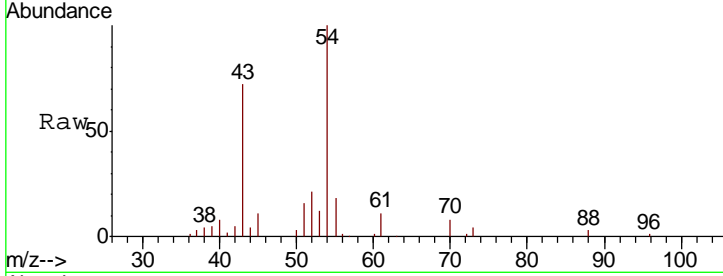
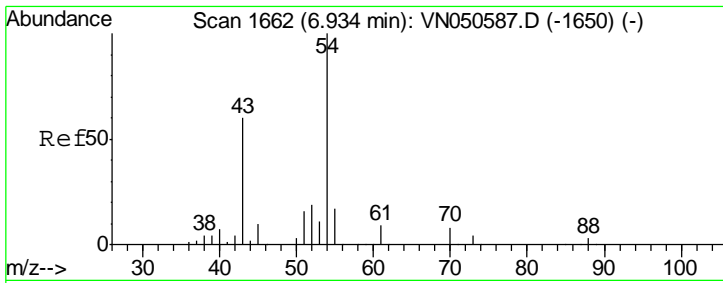
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#36
 1,1-Dichloropropene
 Concen: 18.31 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
75	100		
110	36.0	18.3	54.9
77	30.6	25.0	37.4



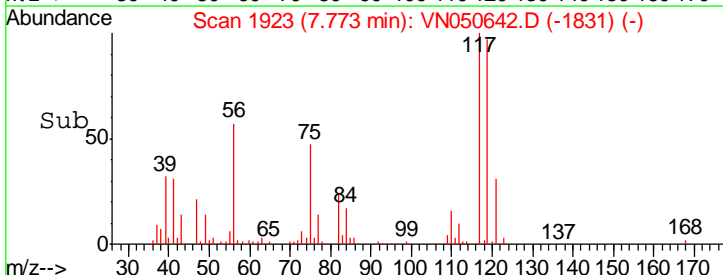
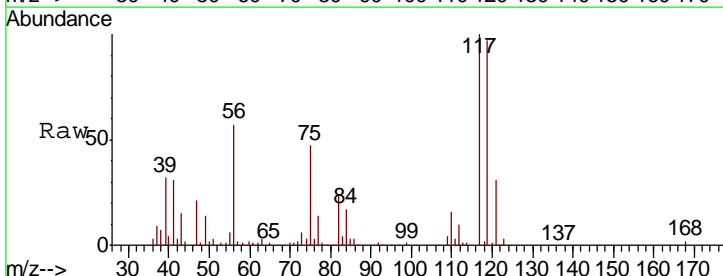
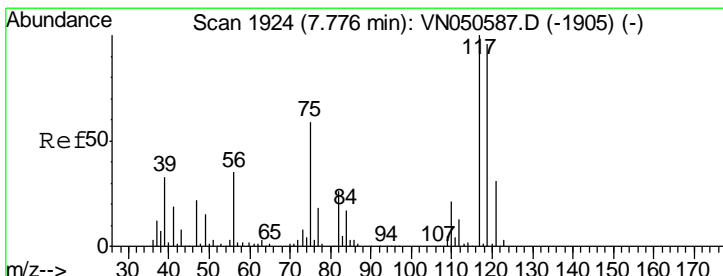
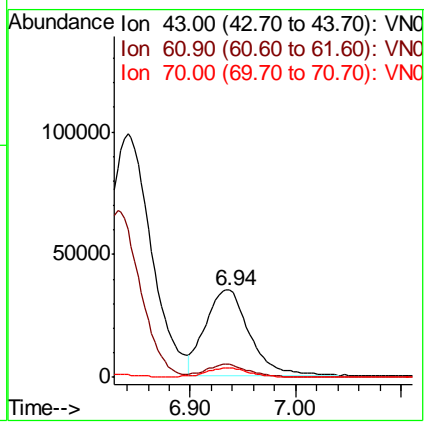


#37
 Ethyl Acetate
 Concen: 18.25 ug/l
 RT: 6.94 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
43	101999		
43	100		
61	13.4	12.0	18.0
70	10.9	8.5	12.7

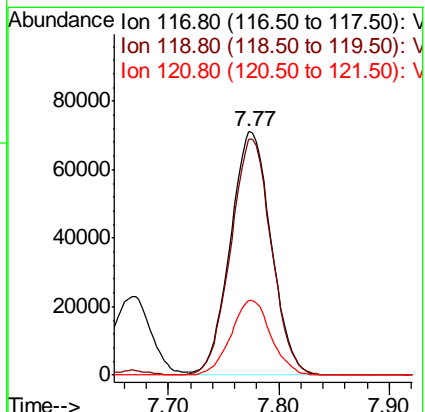
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

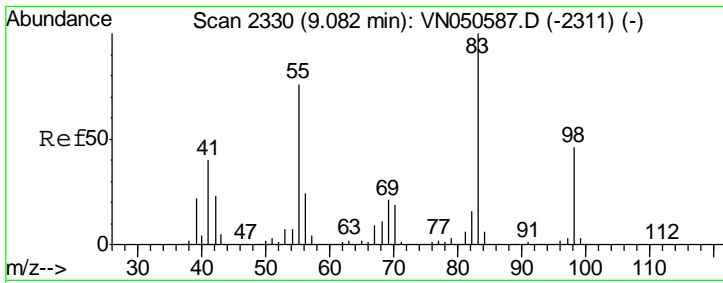
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#38
 Carbon Tetrachloride
 Concen: 17.77 ug/l
 RT: 7.77 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
117	182238		
117	100		
119	96.6	76.6	115.0
121	30.6	25.0	37.6



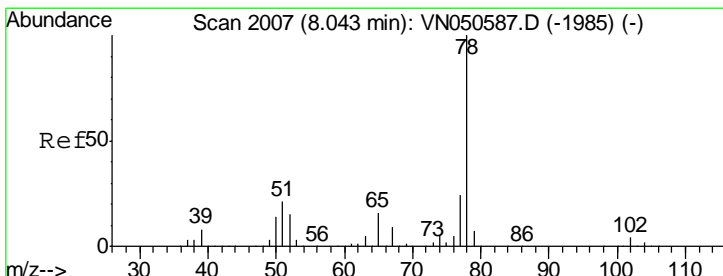
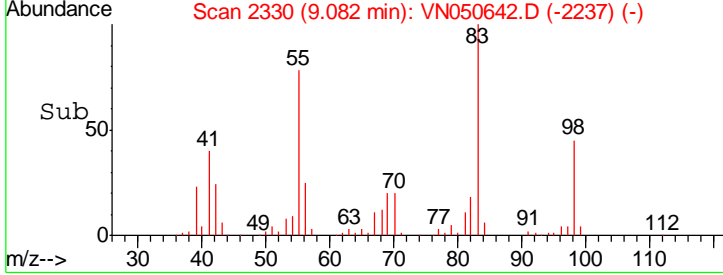
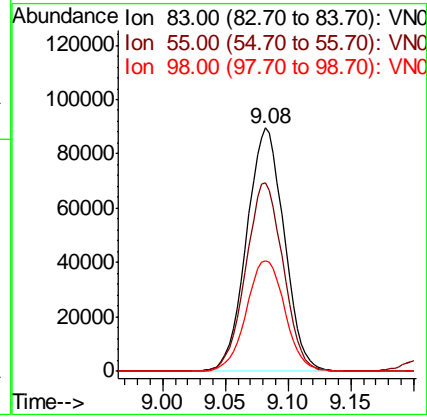
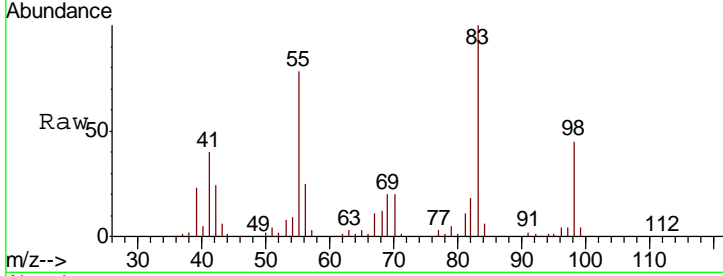


#39
 Methylcyclohexane
 Concen: 18.22 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

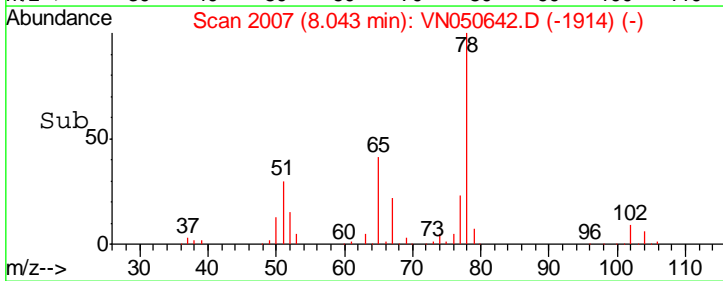
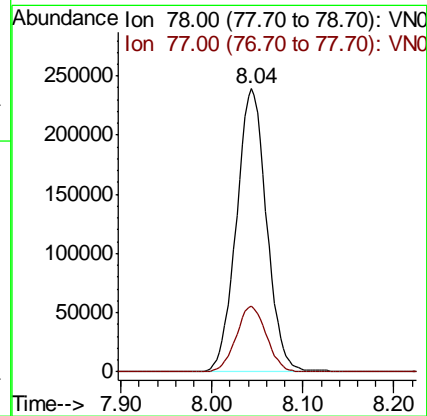
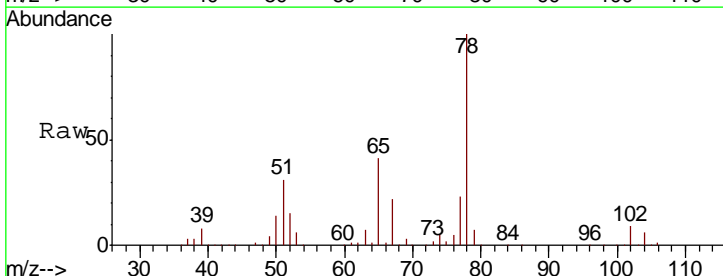
Tgt Ion	Resp	Lower	Upper
83	186506		
55	77.6	60.6	91.0
98	45.4	37.0	55.4

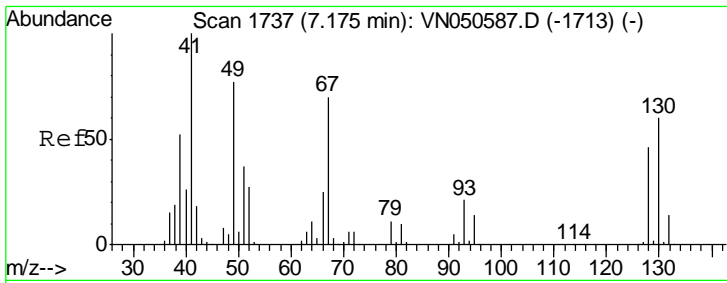
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#40
 Benzene
 Concen: 18.31 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
78	550623		
77	23.2	19.0	28.6



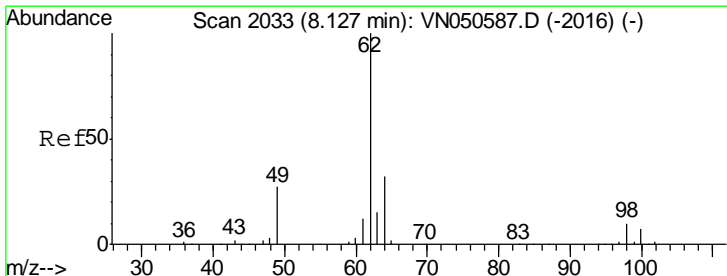
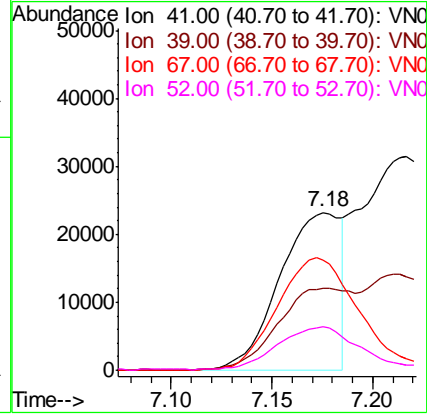
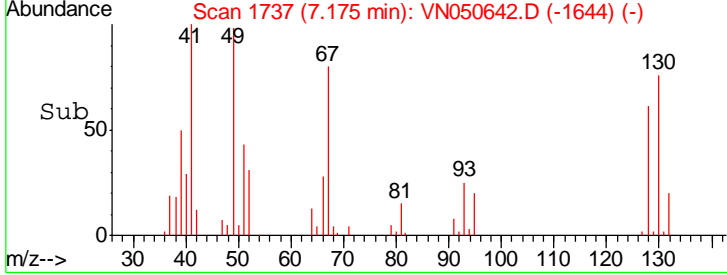
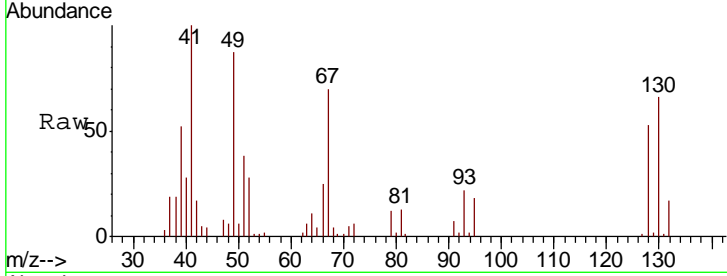


#41
 Methacrylonitrile
 Concen: 16.26 ug/l
 RT: 7.18 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
41	100		
39	62.6	44.6	66.8
67	95.8	66.7	100.1
52	37.9	26.5	39.7

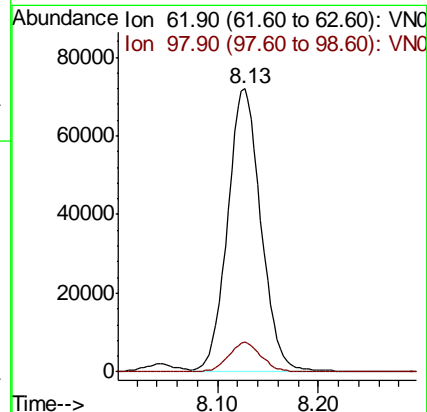
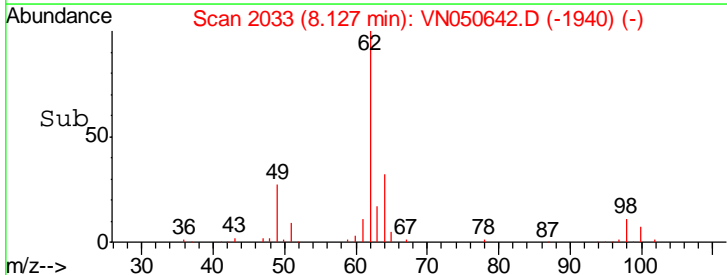
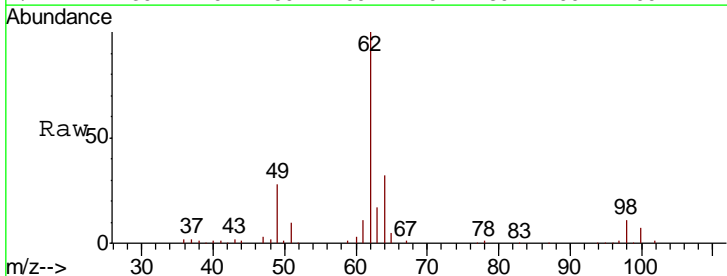
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

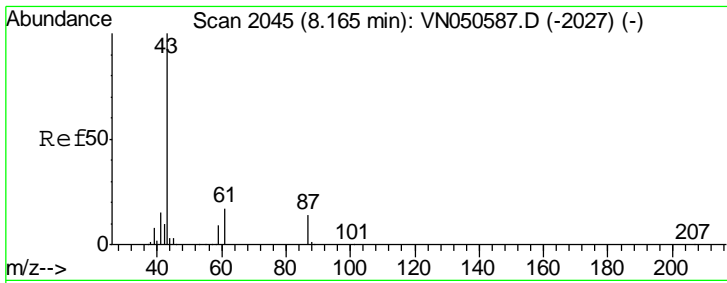
Manual Integrations APPROVED
 MMDadoda
 8/16/2018 1:18:28 PM



#42
 1,2-Dichloroethane
 Concen: 17.86 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.2	0.0	19.4





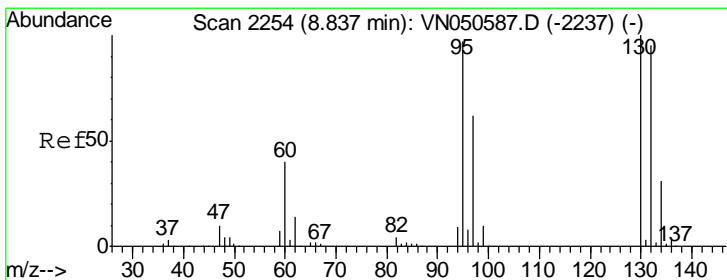
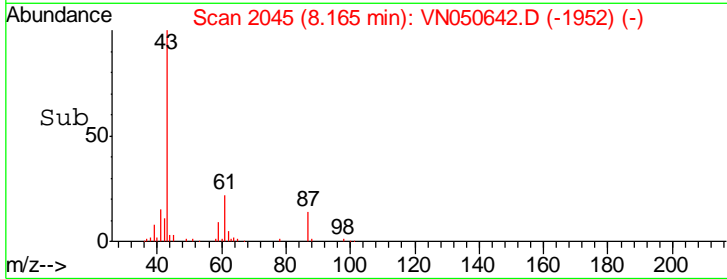
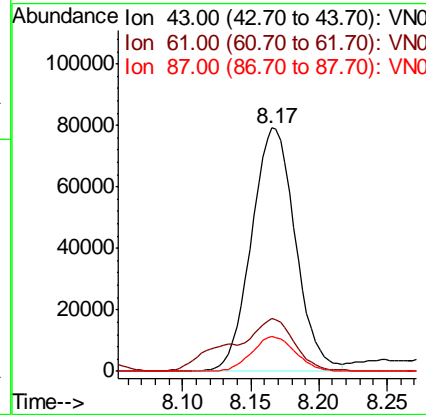
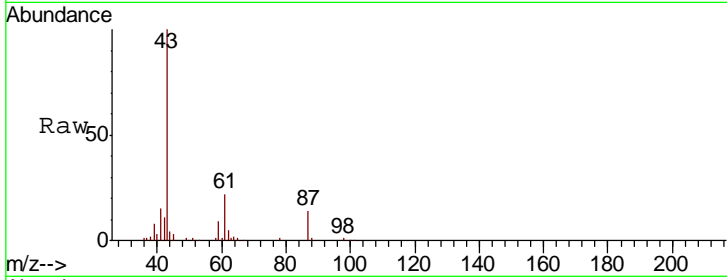
#43
 Isopropyl Acetate
 Concen: 17.27 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion: 43 Resp: 175845

Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.2	24.2
87	14.4	10.9	16.3

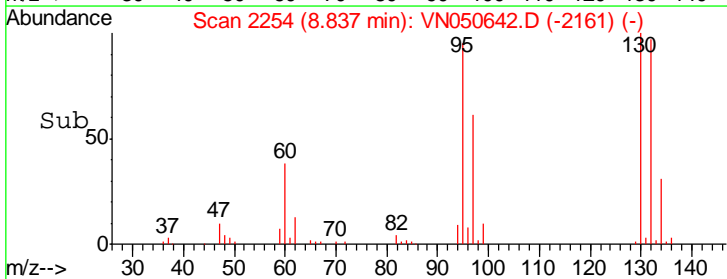
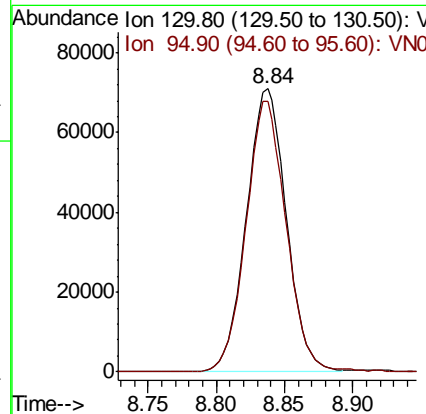
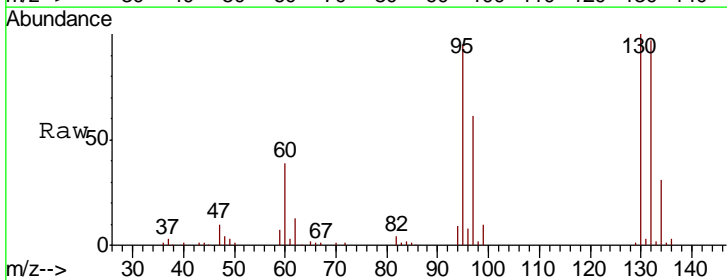
Manual Integrations
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 MMDadoda
 8/16/2018 1:18:28 PM

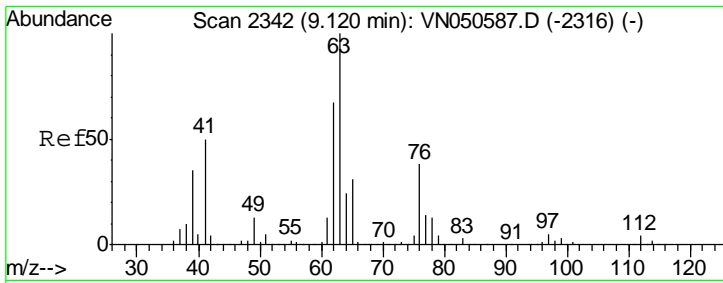


#44
 Trichloroethene
 Concen: 17.92 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion: 130 Resp: 144401

Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	193.8



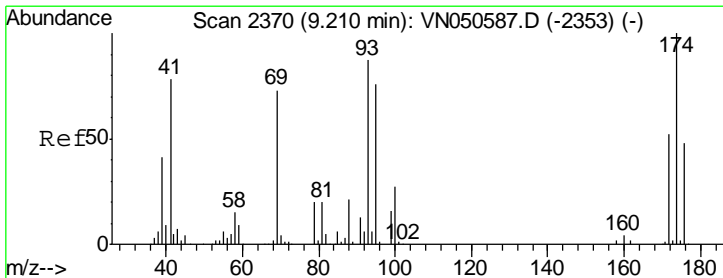
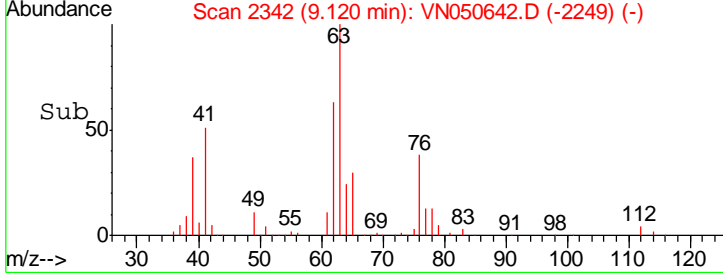
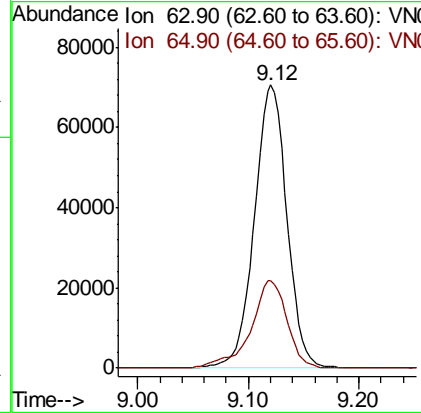
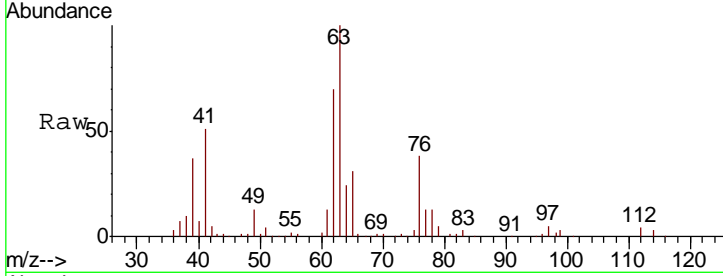


#45
 1,2-Dichloropropane
 Concen: 18.03 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

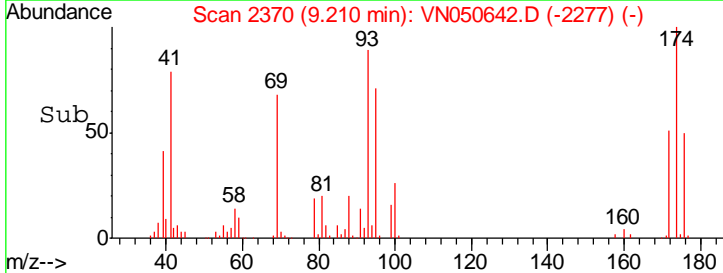
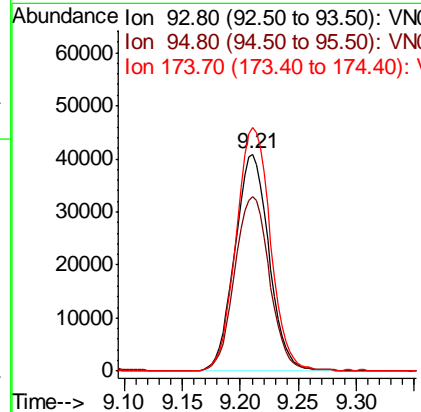
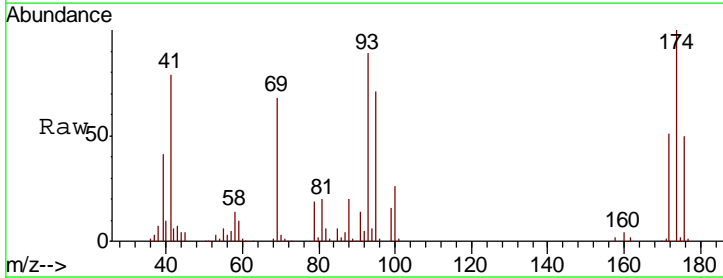
Tgt Ion	Resp	Lower	Upper
63	144370		
65	30.8	24.5	36.7

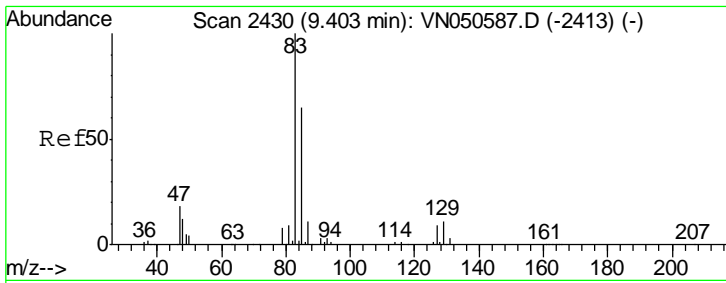
Manual Integrations
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 MMDadoda
 8/16/2018 1:18:28 PM



#46
 Dibromomethane
 Concen: 17.70 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
93	83695		
95	82.1	69.1	103.7
174	112.9	91.0	136.6



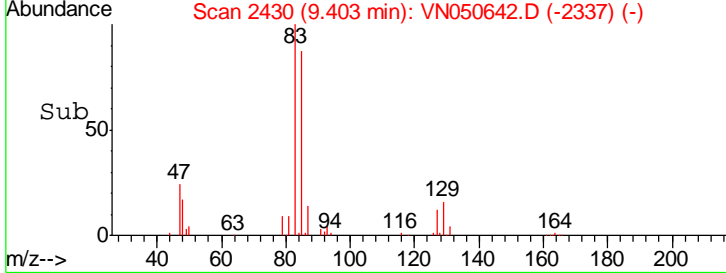
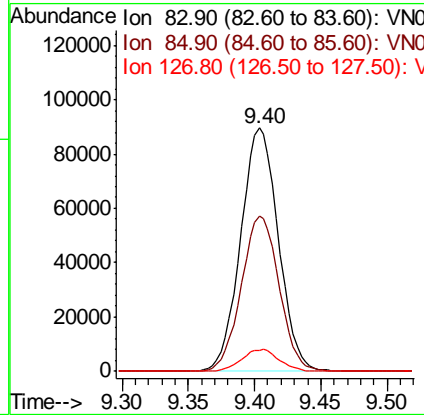
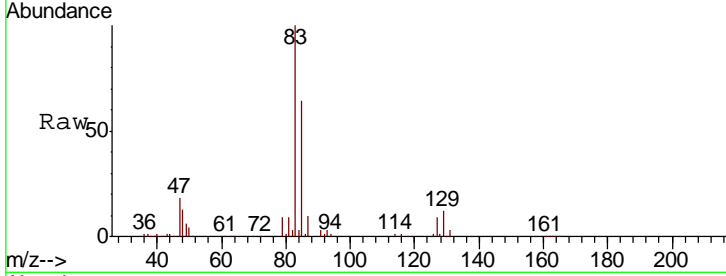


#47
 Bromodichloromethane
 Concen: 17.50 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

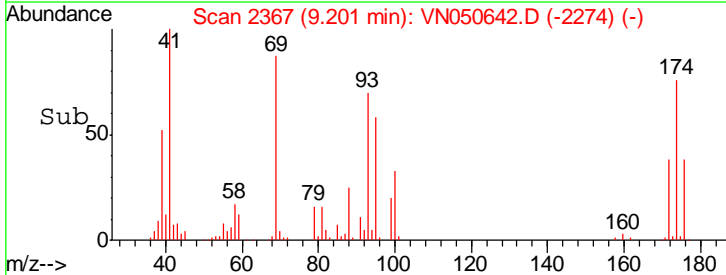
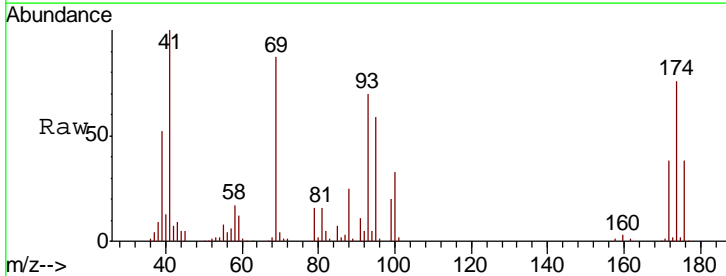
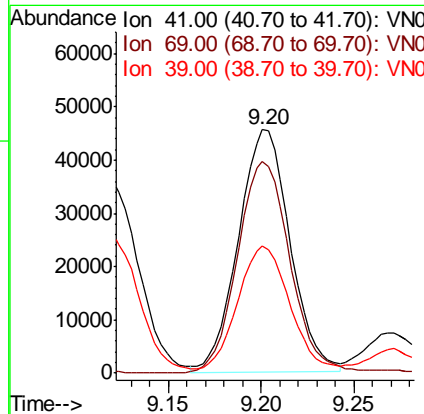
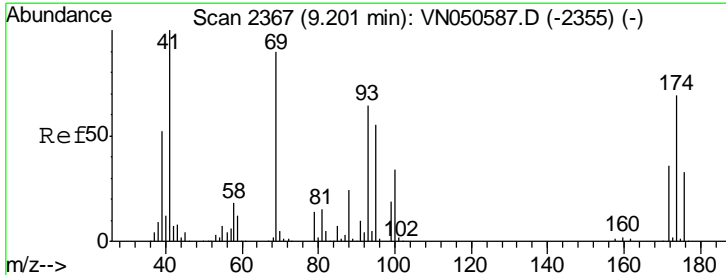
Tgt Ion	Resp	Lower	Upper
83	176865		
85	63.7	51.8	77.6
127	8.8	7.2	10.8

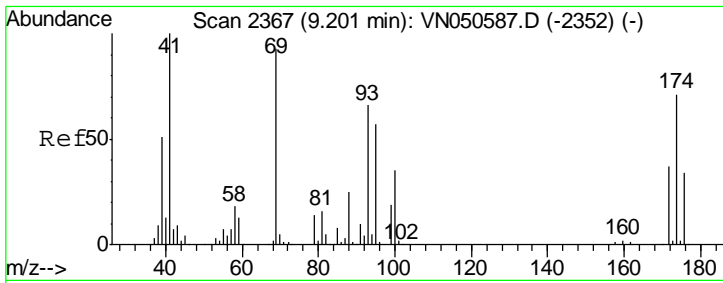
Manual Integrations
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#48
 Methyl methacrylate
 Concen: 17.29 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
41	88596		
69	89.0	73.4	110.0
39	52.9	43.0	64.6



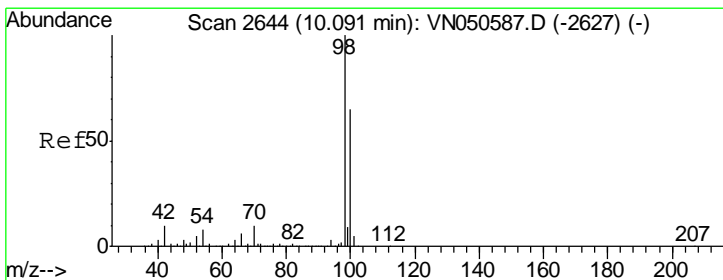
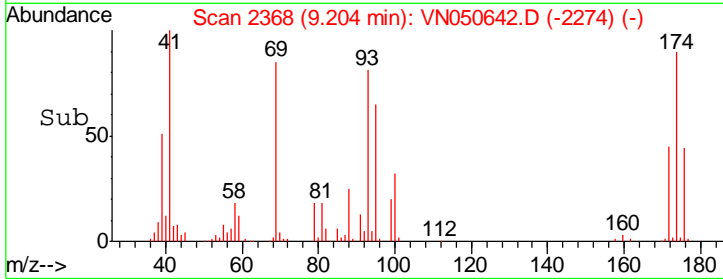
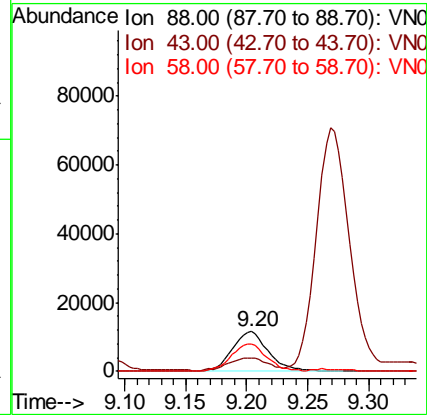
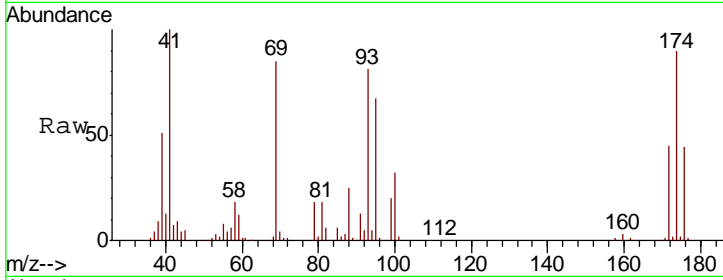


#49
 1,4-Dioxane
 Concen: 355.26 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

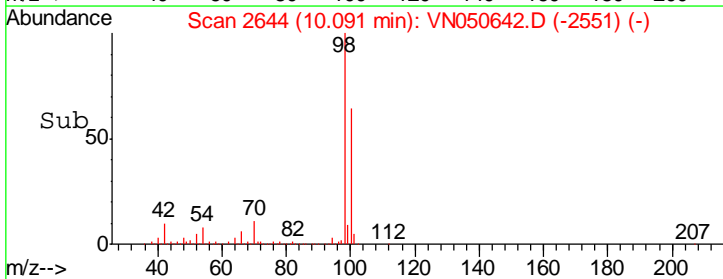
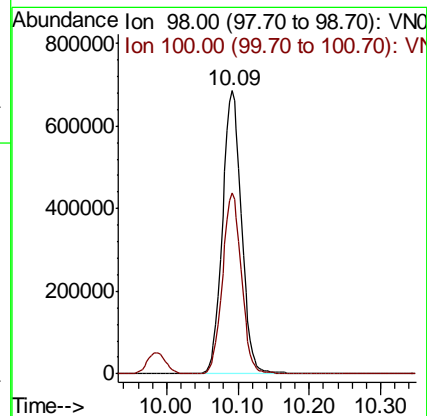
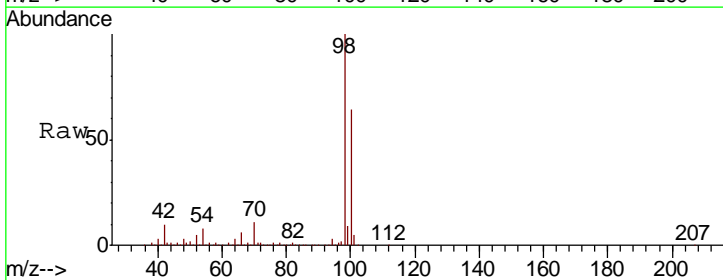
Tgt Ion	Resp	Lower	Upper
88	100		
43	33.0	25.9	38.9
58	67.4	56.5	84.7

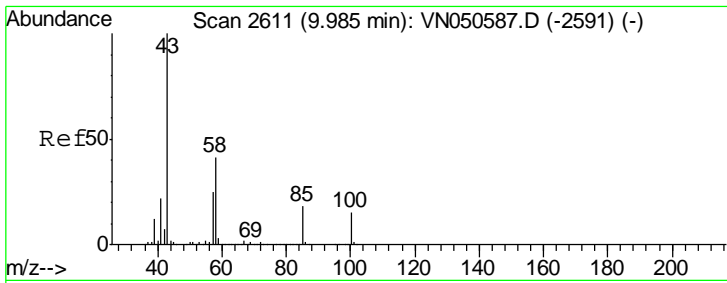
Manual Integrations
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#50
 Toluene-d8
 Concen: 47.48 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

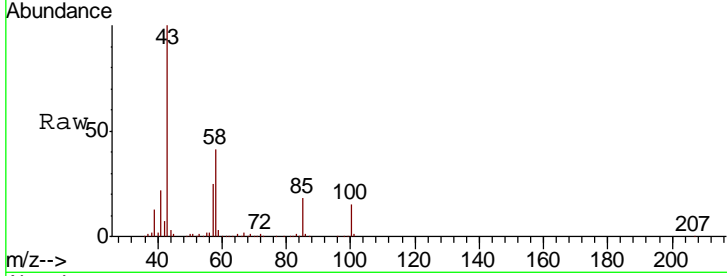
Tgt Ion	Resp	Lower	Upper
98	100		
100	63.7	51.8	77.8





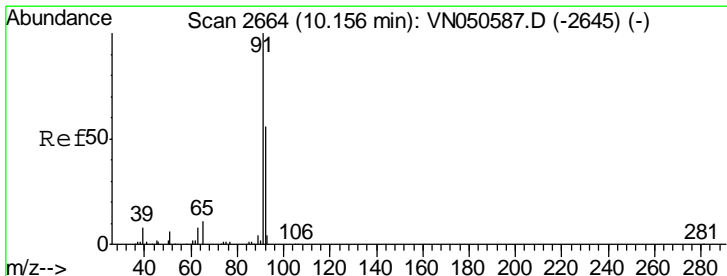
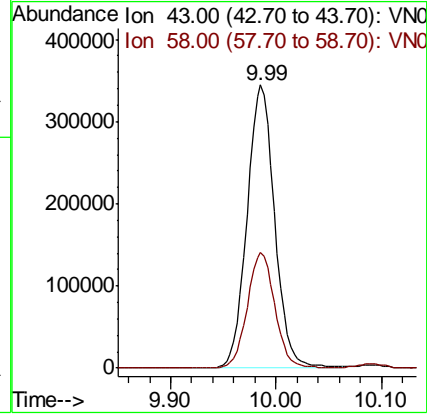
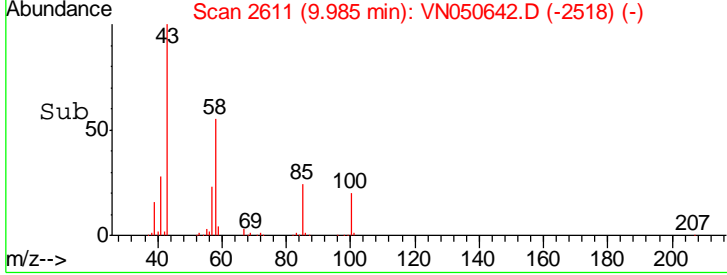
#51
 4-Methyl-2-Pentanone
 Concen: 90.91 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

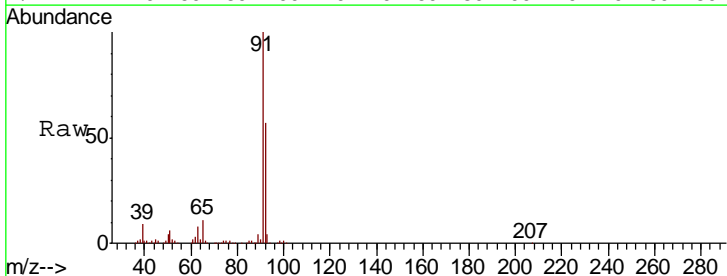


Tgt Ion: 43 Resp: 626181
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.5 48.7

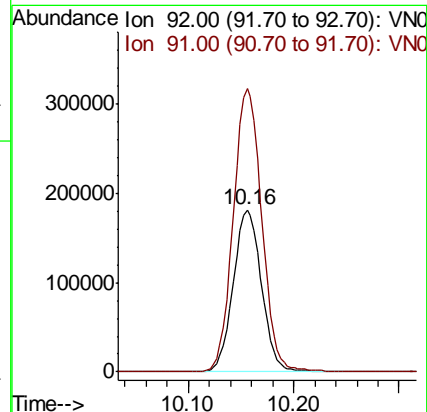
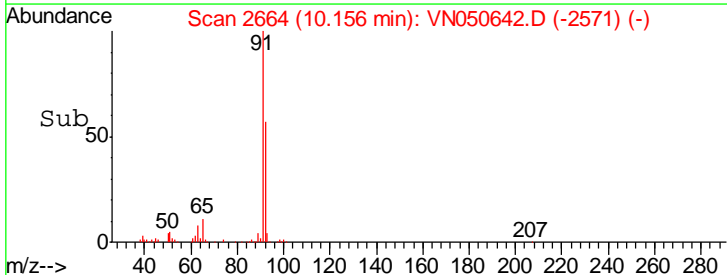
Manual Integrations
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 MMDadoda
 8/16/2018 1:18:28 PM

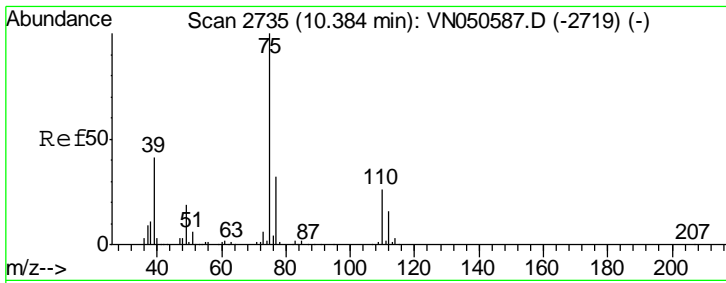


#52
 Toluene
 Concen: 18.72 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52



Tgt Ion: 92 Resp: 336123
 Ion Ratio Lower Upper
 92 100
 91 176.7 141.9 212.9



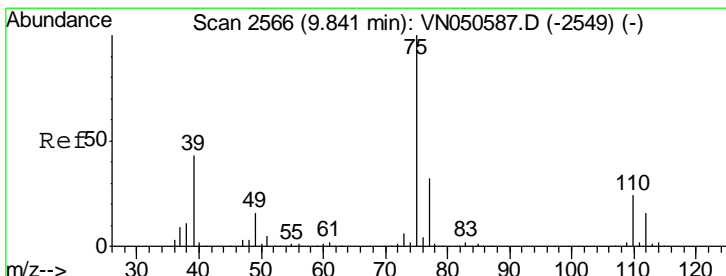
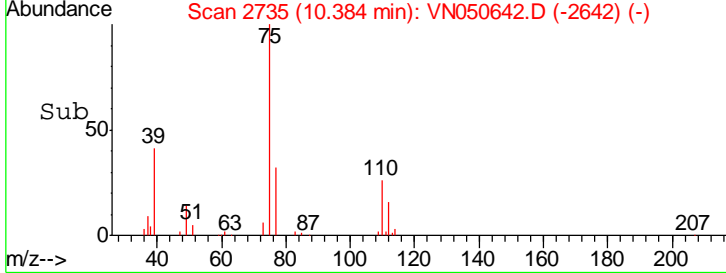
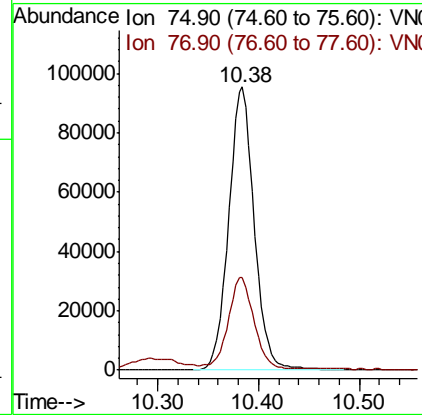
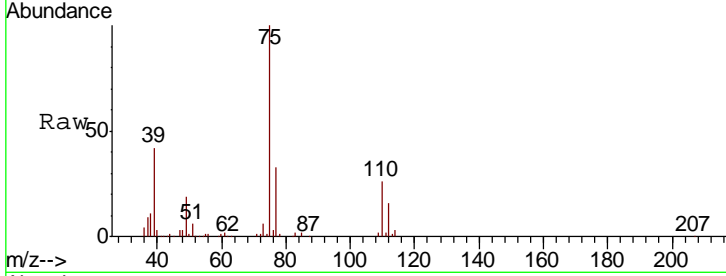


#53
 t-1,3-Dichloropropene
 Concen: 17.92 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

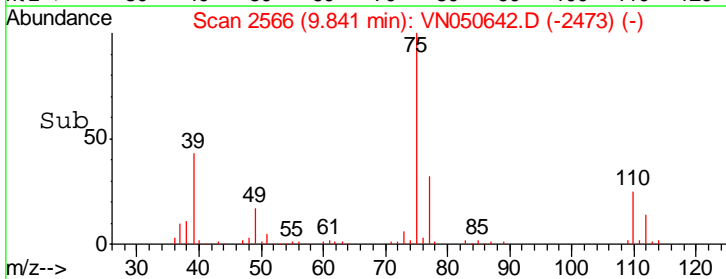
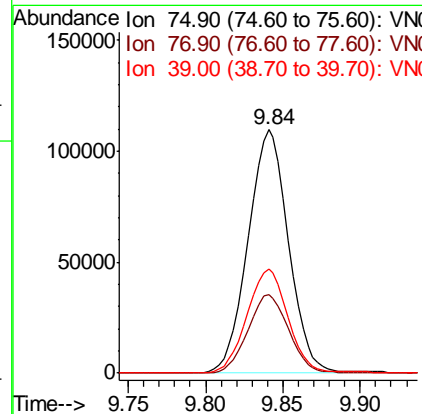
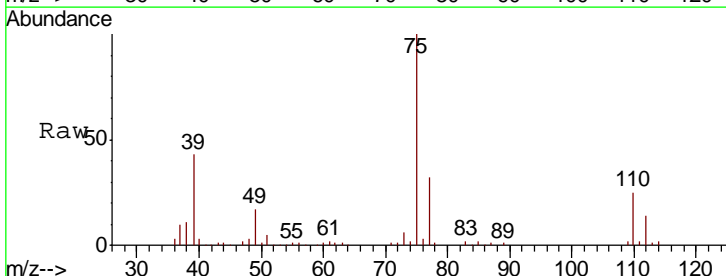
Tgt Ion	Resp	Lower	Upper
75	168682		
75	100		
77	32.0	25.8	38.6

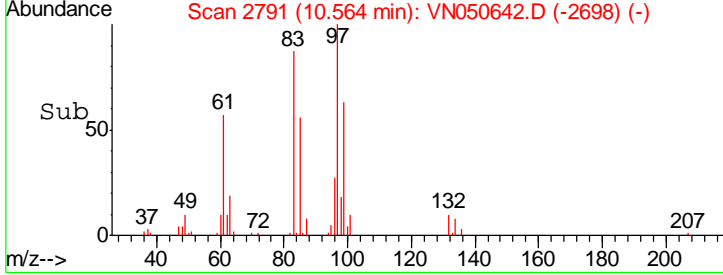
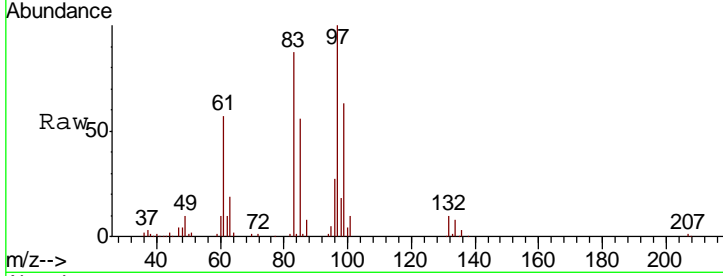
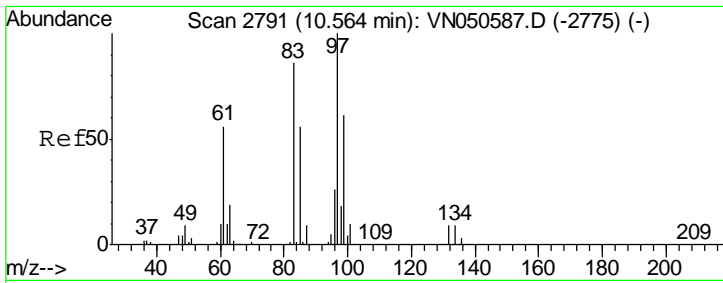
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 18.43 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
75	199062		
75	100		
77	32.4	25.6	38.4
39	42.6	34.4	51.6



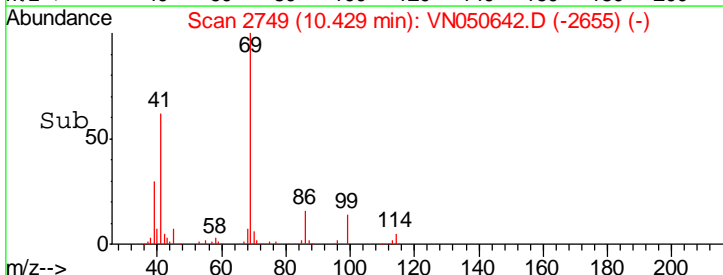
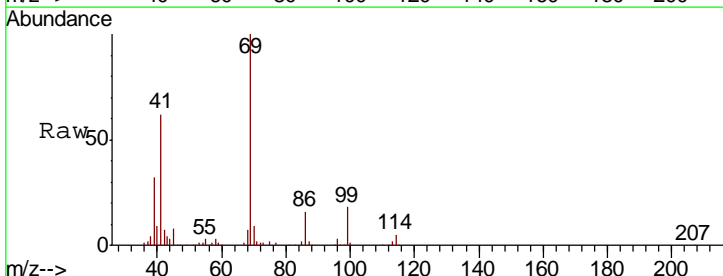
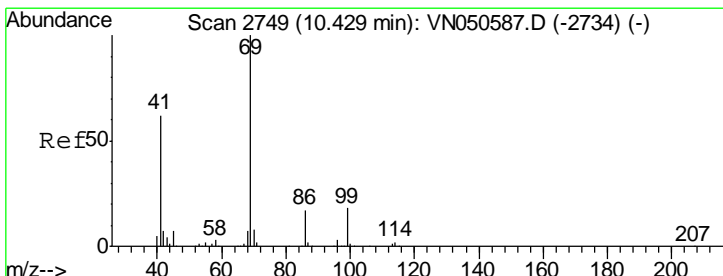
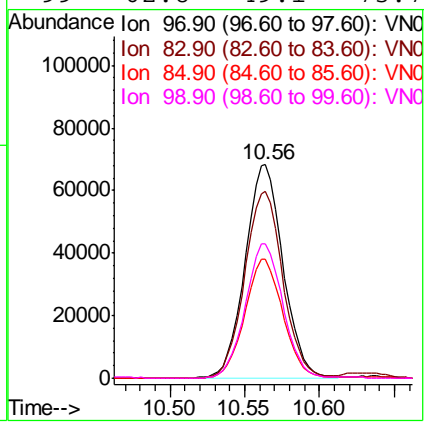


#55
 1,1,2-Trichloroethane
 Concen: 17.97 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
97	120558		
97	100		
83	87.4	68.5	102.7
85	55.5	44.6	66.8
99	62.8	49.1	73.7

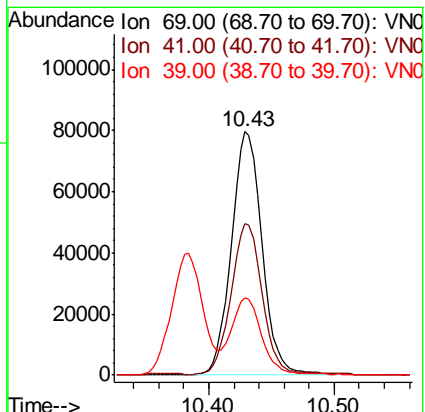
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

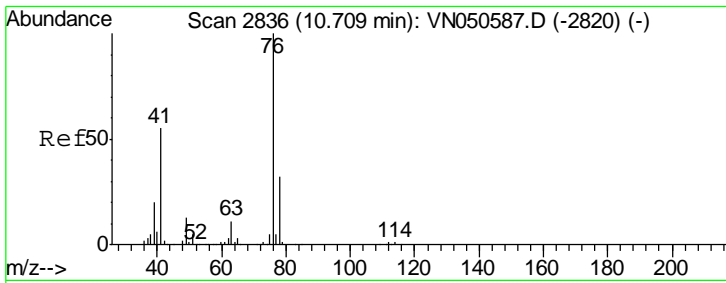
Manual Integrations
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 MMDadoda
 8/16/2018 1:18:28 PM



#56
 Ethyl methacrylate
 Concen: 17.17 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
69	135824		
69	100		
41	62.9	49.7	74.5
39	30.9	24.2	36.2



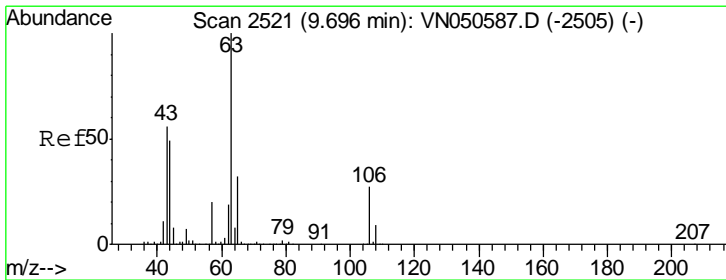
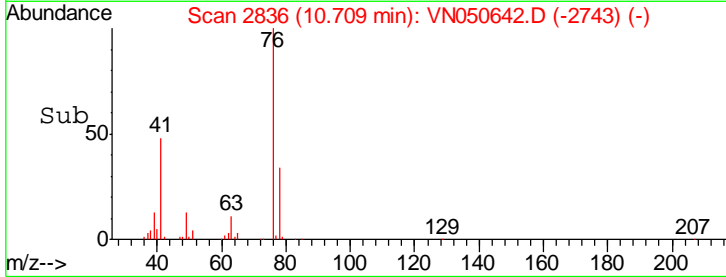
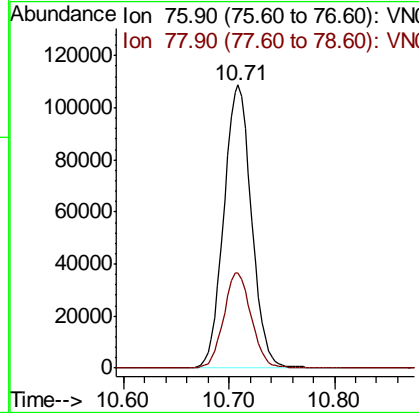
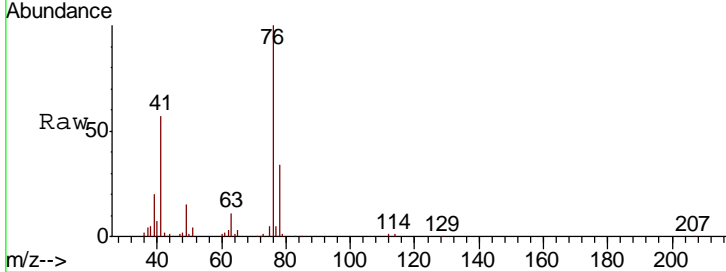


#57
 1,3-Dichloropropane
 Concen: 17.95 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

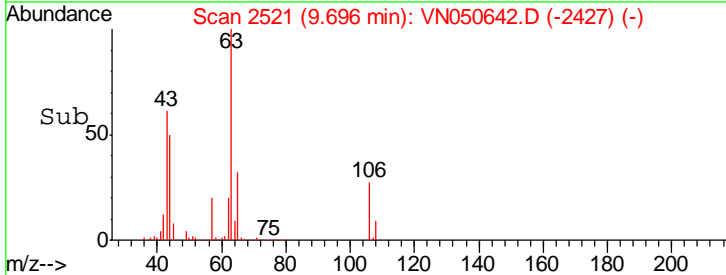
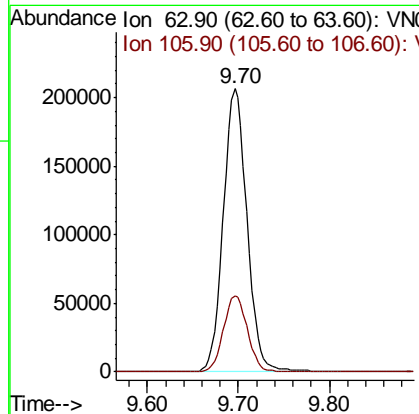
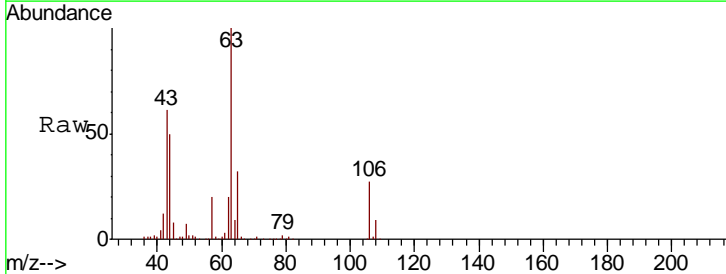
Tgt Ion	Resp	Lower	Upper
76	197401		
76	100		
78	33.5	25.8	38.6

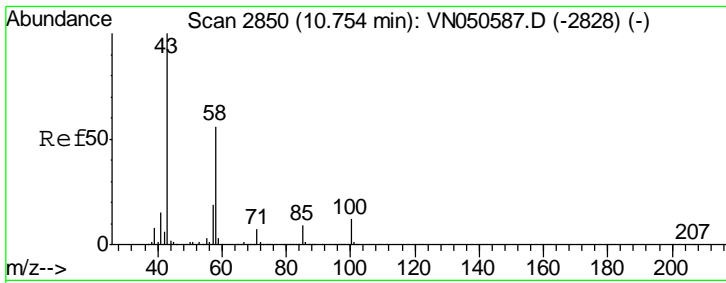
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.89 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
63	374164		
63	100		
106	27.3	21.7	32.5





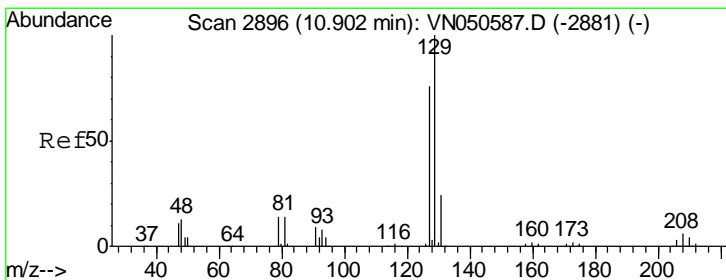
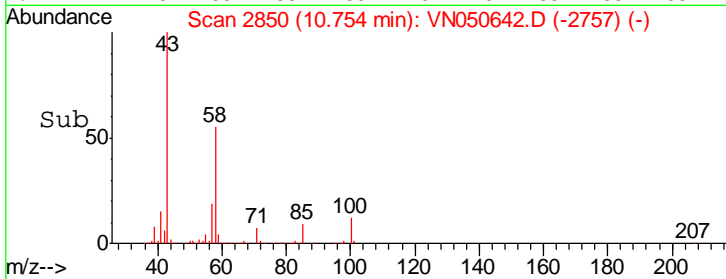
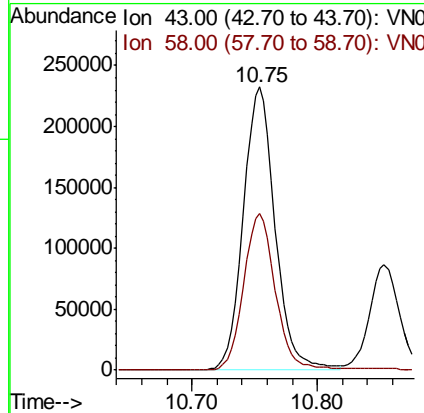
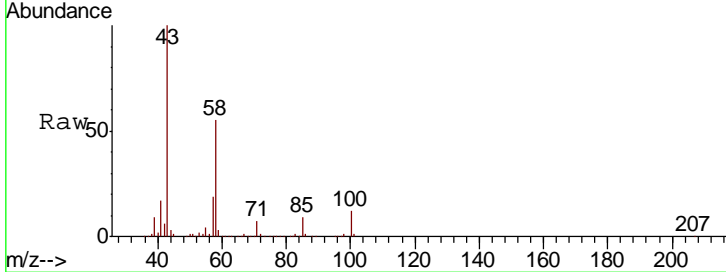
#59
 2-Hexanone
 Concen: 92.26 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

Tgt Ion	Resp	Lower	Upper
43	100		
58	55.1	28.0	84.0

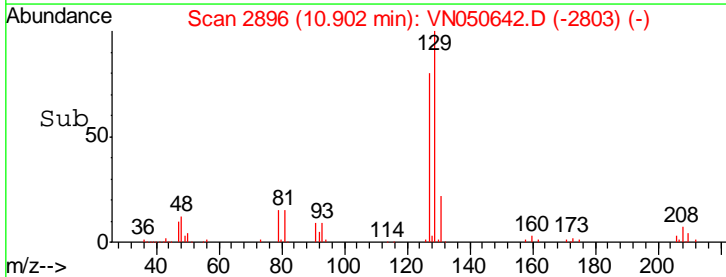
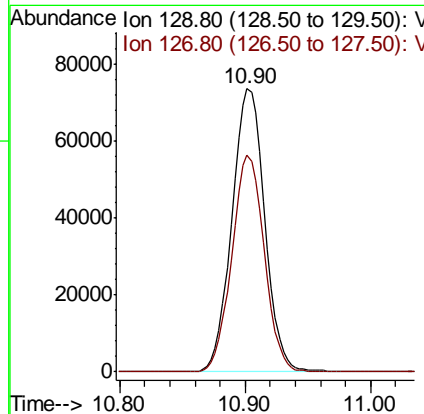
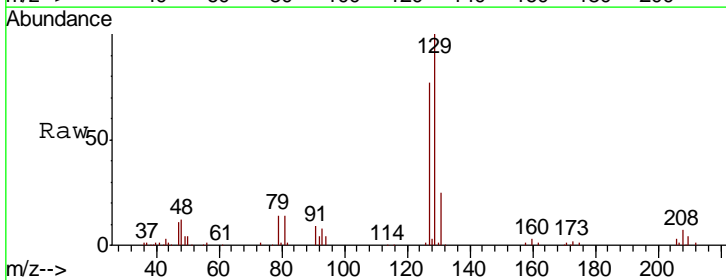
Manual Integrations
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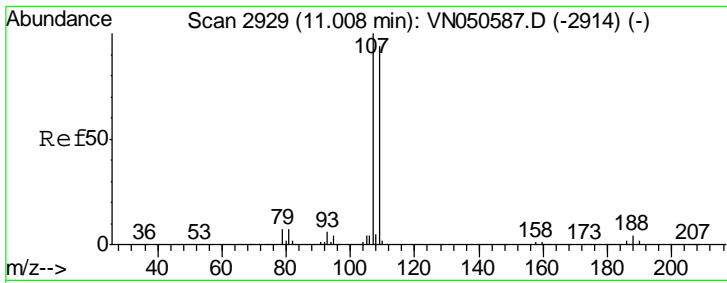
MMDadoda
 8/16/2018 1:18:28 PM



#60
 Dibromochloromethane
 Concen: 18.07 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
129	100		
127	75.7	38.9	116.7





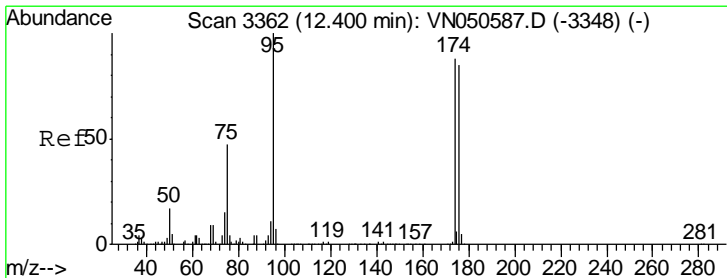
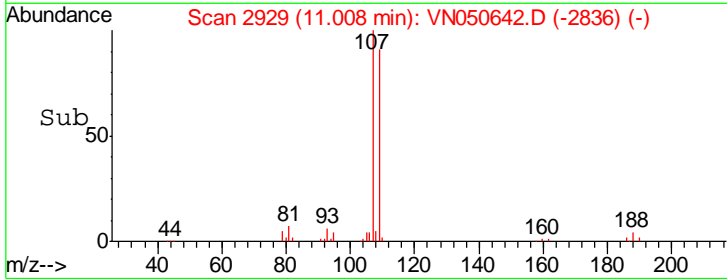
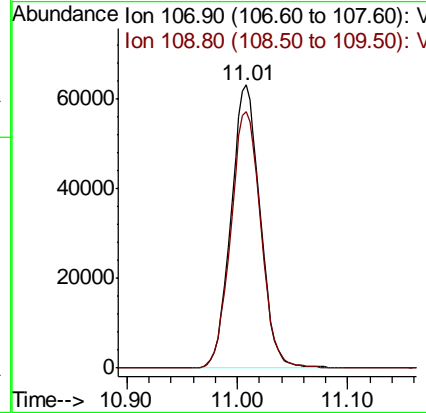
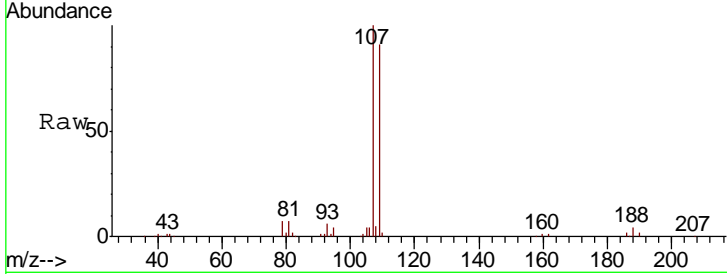
#61
 1,2-Dibromoethane
 Concen: 18.09 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
107	115607		
109	93.8	75.7	113.5

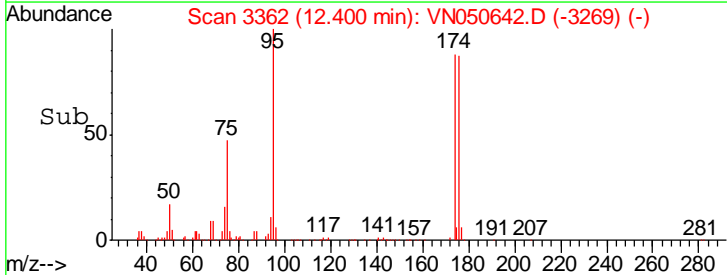
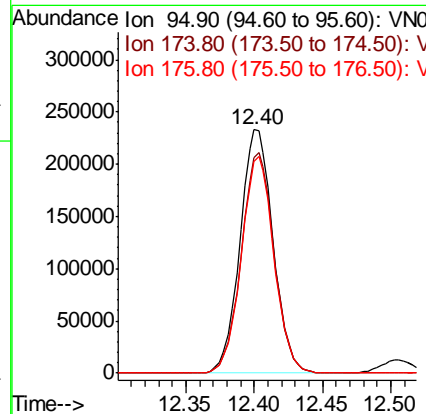
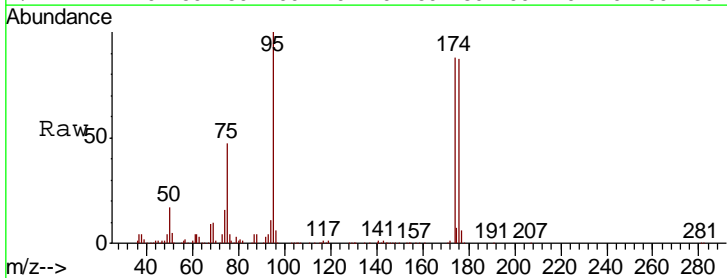
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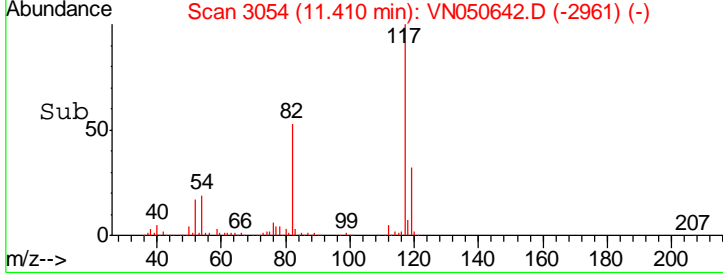
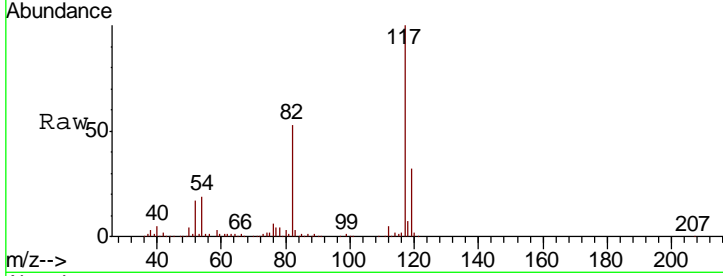
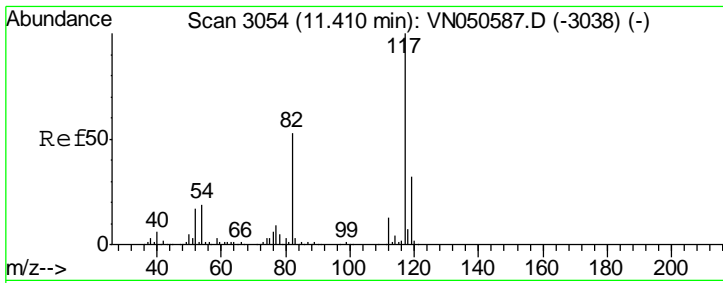
MMDadoda
 8/16/2018 1:18:28 PM



#62
 4-Bromofluorobenzene
 Concen: 44.26 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
95	390206		
174	90.0	0.0	177.8
176	87.8	0.0	175.0



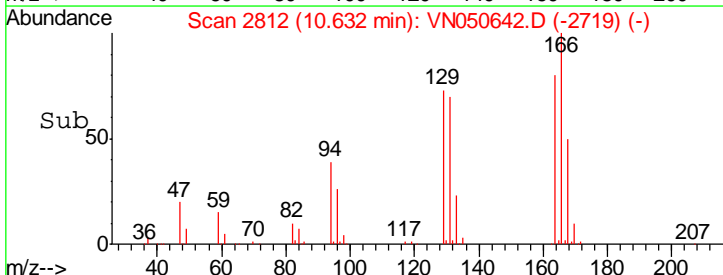
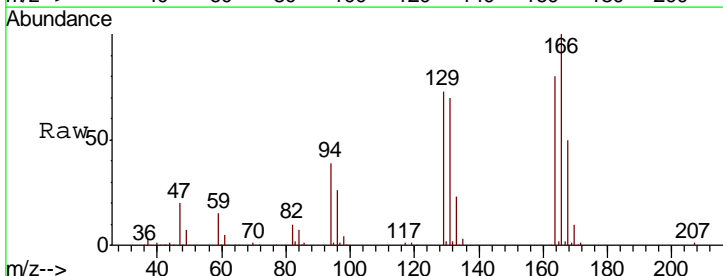
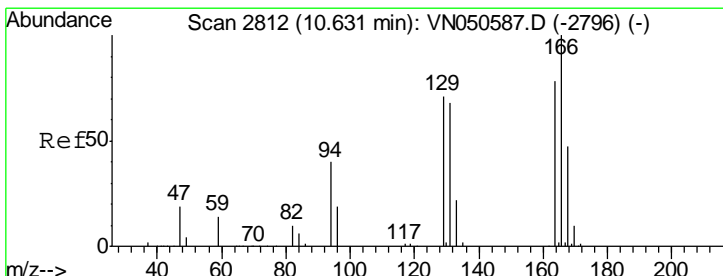
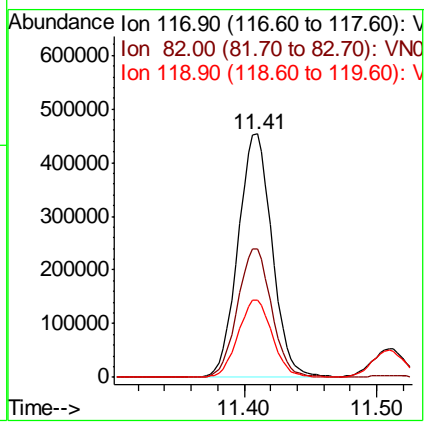


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
117	100		
82	52.5	42.4	63.6
119	31.6	25.8	38.8

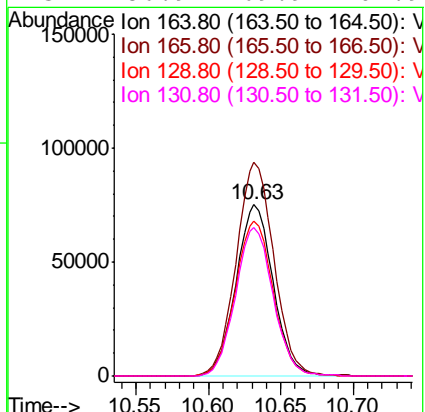
Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

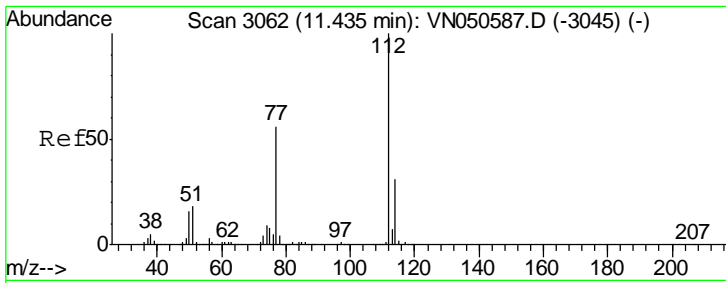
Manual Integrations
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#64
 Tetrachloroethene
 Concen: 17.85 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
164	100		
166	124.9	102.1	153.1
129	90.8	72.7	109.1
131	86.9	69.9	104.9



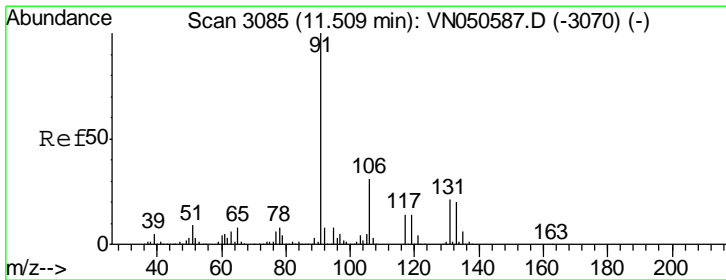
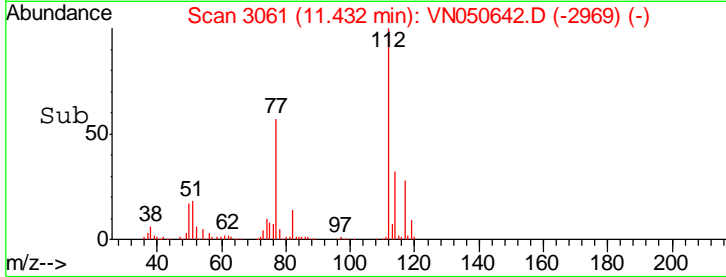
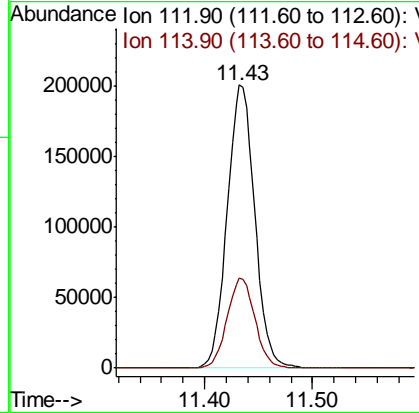
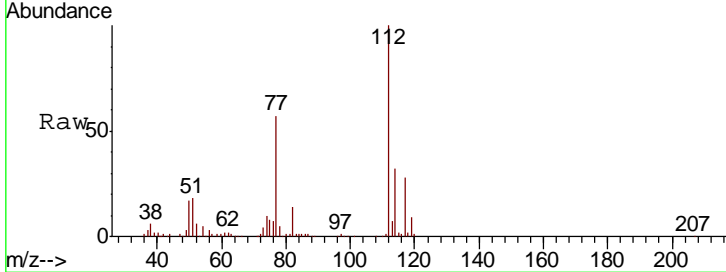


#65
 Chlorobenzene
 Concen: 17.81 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

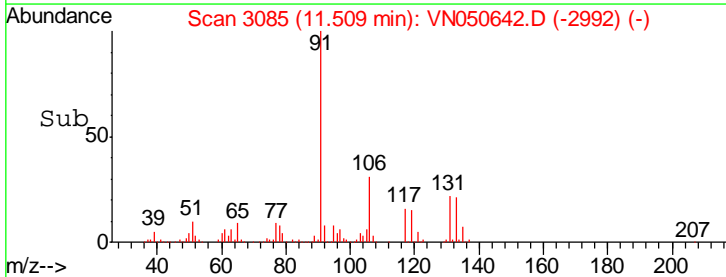
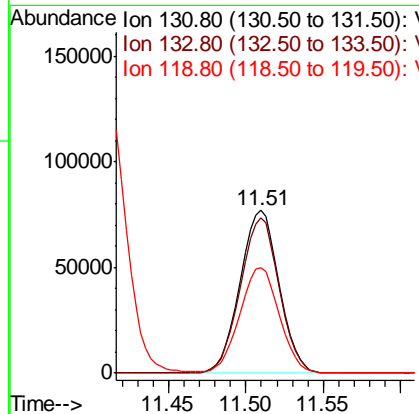
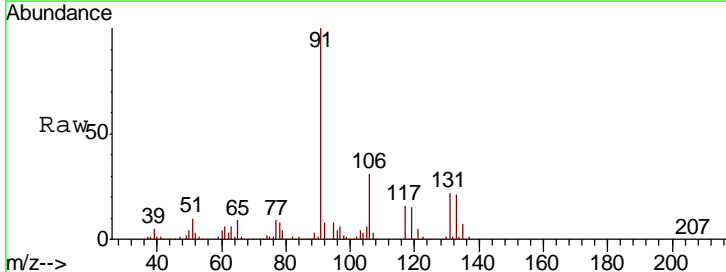
Tgt Ion	Resp	Lower	Upper
112	358083		
114	31.9	25.2	37.8

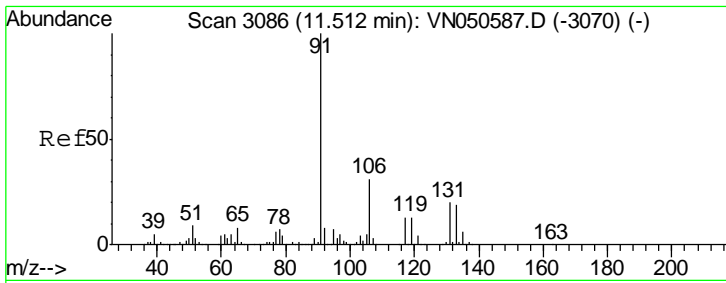
Manual Integrations
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 17.93 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
131	135082		
133	95.2	47.6	142.9
119	66.1	33.1	99.3





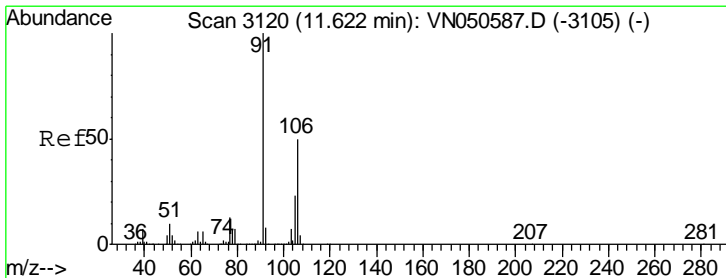
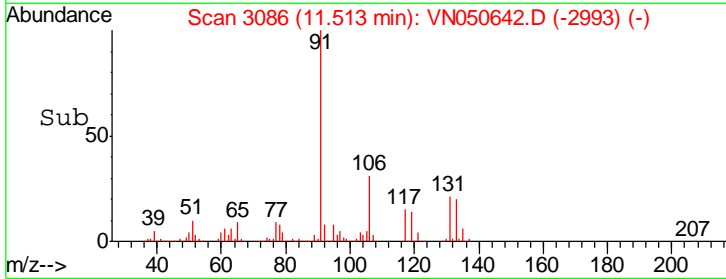
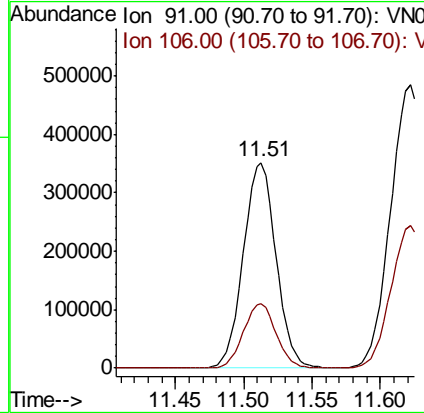
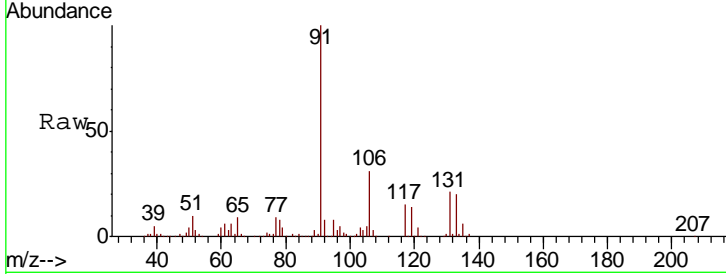
#67
 Ethyl Benzene
 Concen: 18.08 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

Tgt Ion	Resp	Lower	Upper
91	100		
106	31.5	24.8	37.2

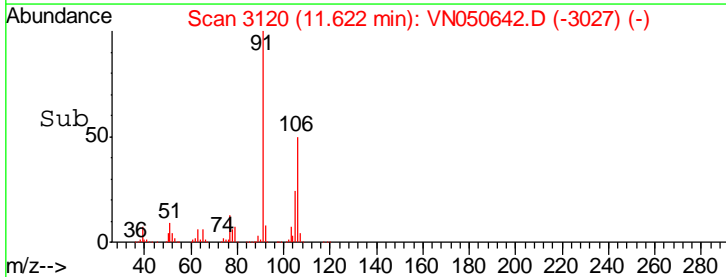
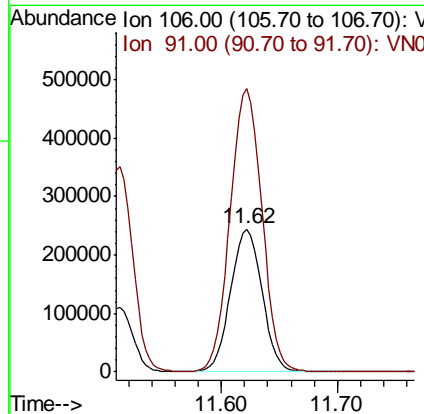
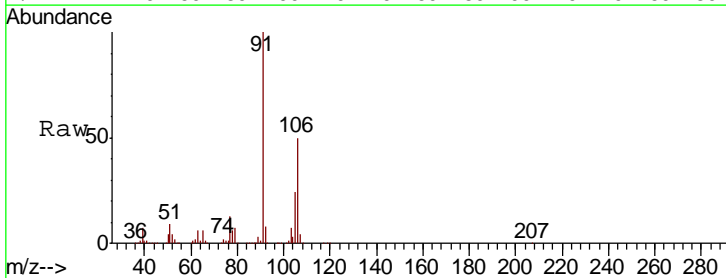
Manual Integrations
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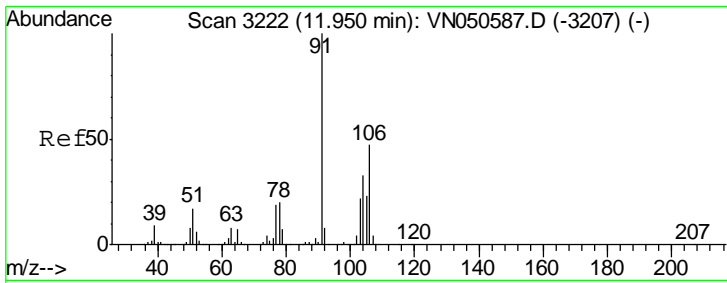
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 8/16/2018 1:18:28 PM



#68
 m/p-Xylenes
 Concen: 37.12 ug/l
 RT: 11.62 min Scan# 3120
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
106	100		
91	200.2	161.5	242.3



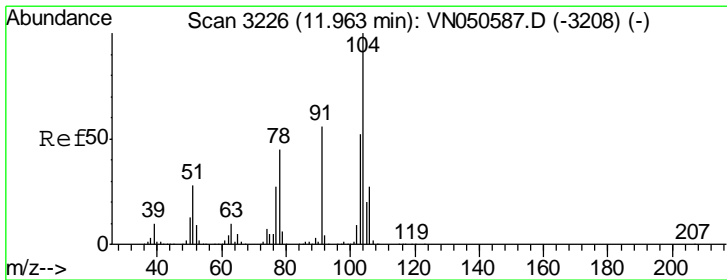
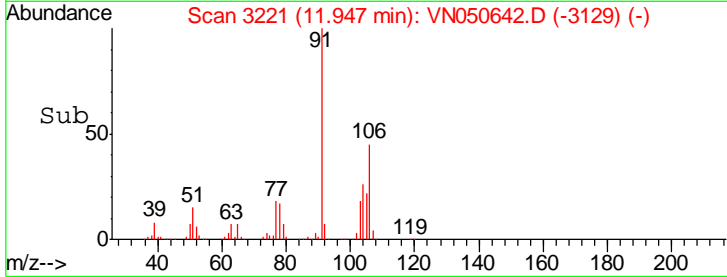
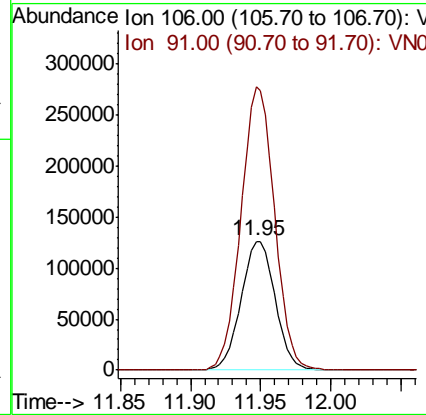
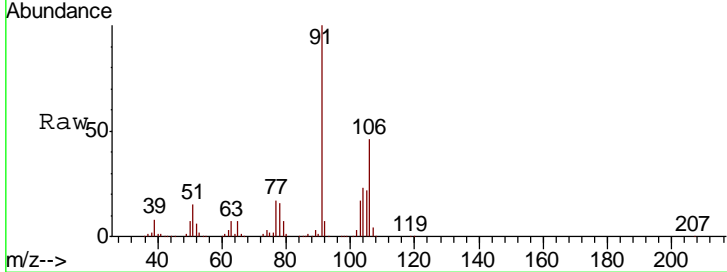


#69
 o-Xylene
 Concen: 18.07 ug/l
 RT: 11.95 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

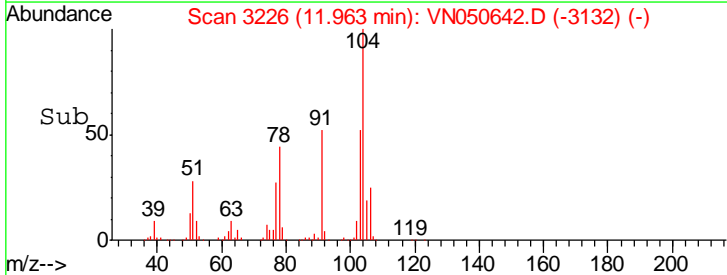
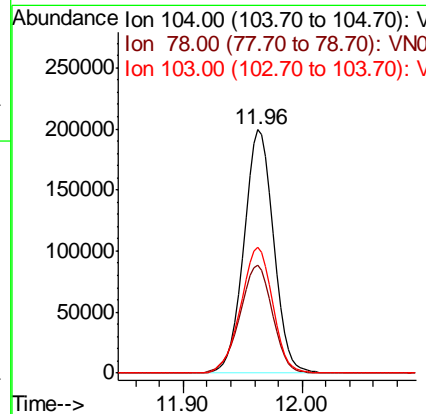
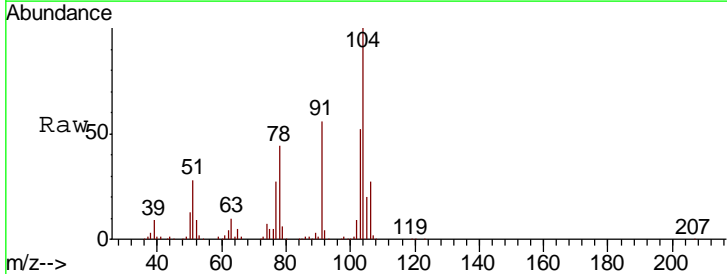
Tgt Ion	Resp	Lower	Upper
106	213913		
106	100		
91	216.9	106.8	320.4

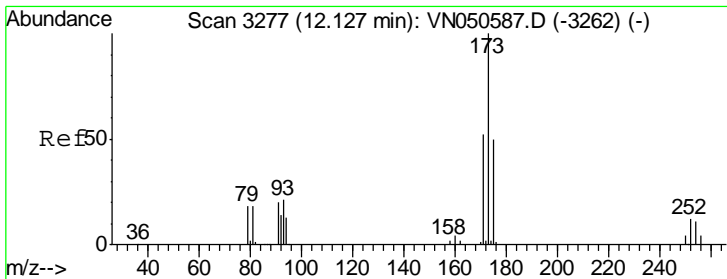
Manual Integrations
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#70
 Styrene
 Concen: 17.02 ug/l
 RT: 11.96 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
104	345079		
104	100		
78	48.9	39.1	58.7
103	55.7	44.9	67.3





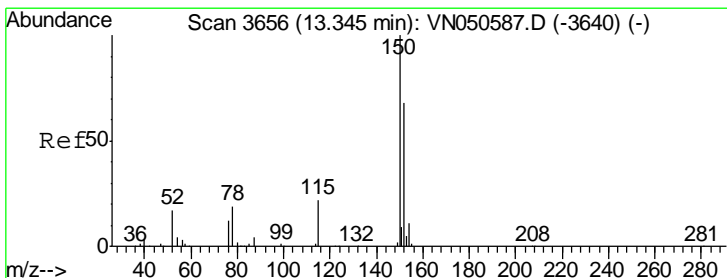
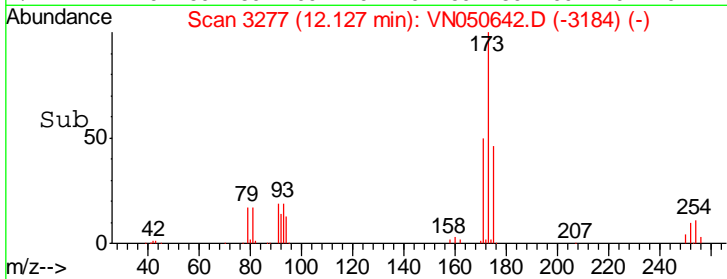
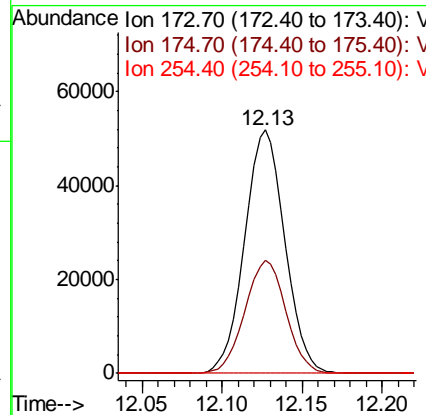
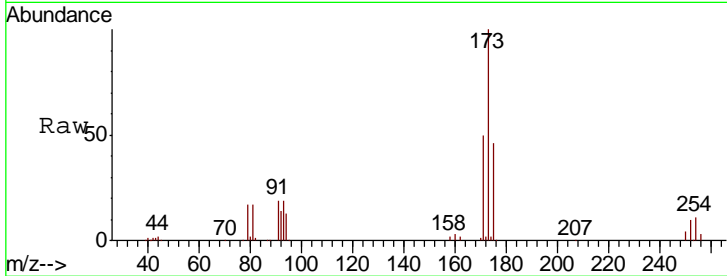
#71
 Bromoform
 Concen: 17.76 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tgt Ion	Resp	Lower	Upper
173	100		
175	47.2	24.4	73.2
254	0.0	0.0	0.0

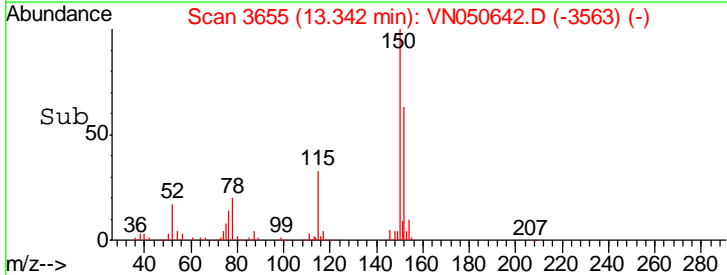
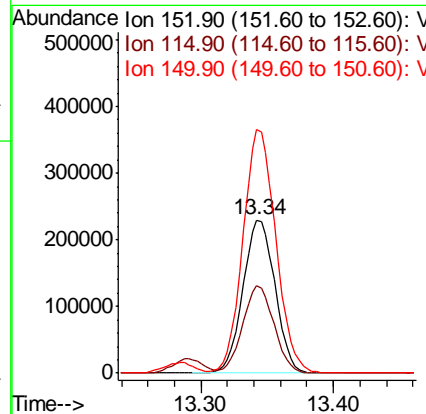
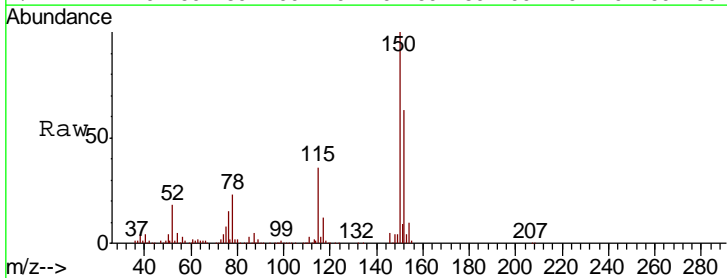
Manual Integrations
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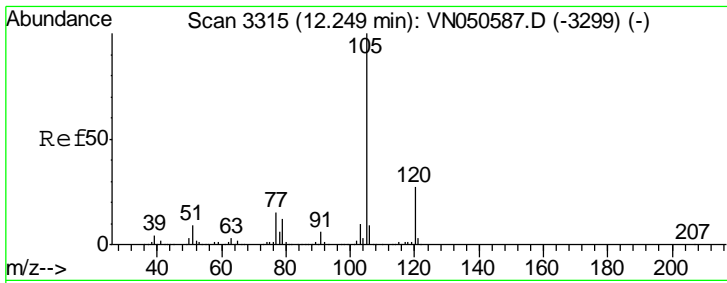
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 8/16/2018 1:18:28 PM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
152	100		
115	55.9	28.1	84.2
150	163.8	0.0	347.8



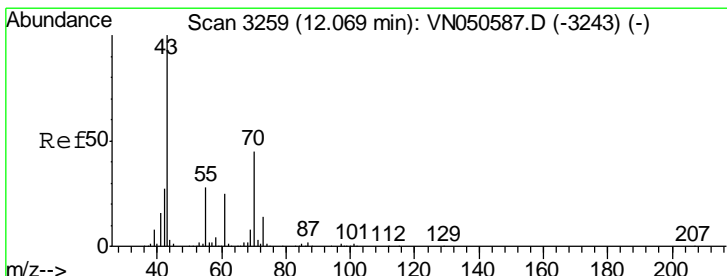
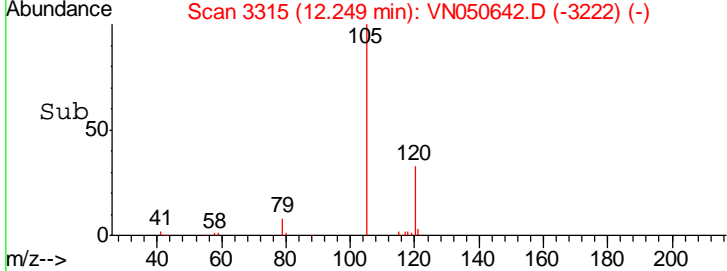
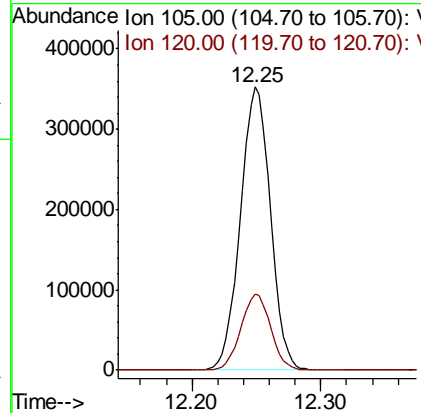
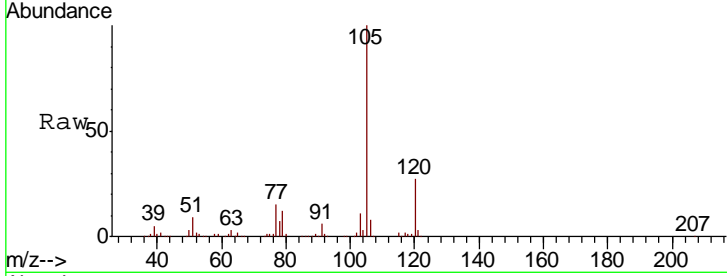


#73
 Isopropylbenzene
 Concen: 19.01 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

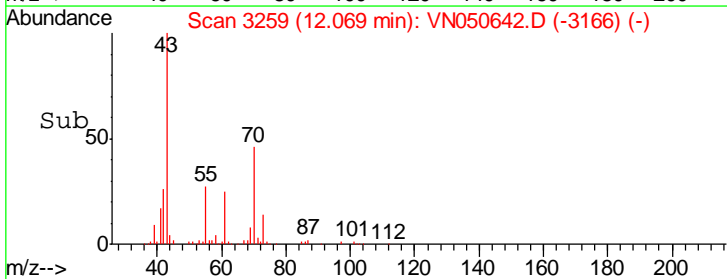
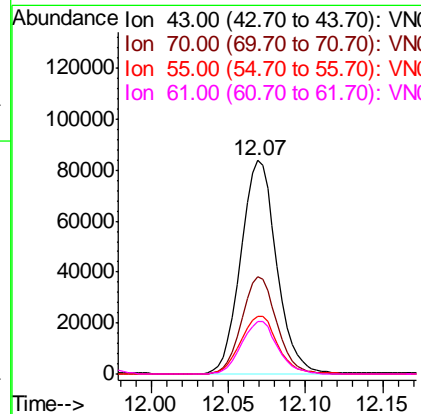
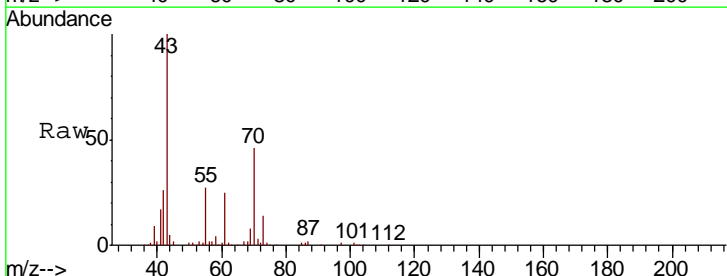
Tgt Ion	Resp	Lower	Upper
105	569348		
120	26.7	13.4	40.1

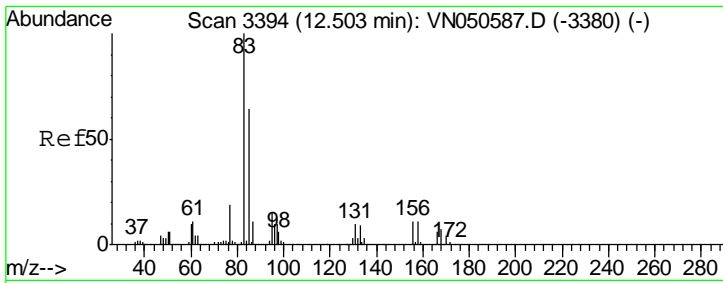
Manual Integrations
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 MMDadoda
 8/16/2018 1:18:28 PM



#74
 N-ethyl acetate
 Concen: 17.32 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
43	135008		
70	44.3	35.9	53.9
55	28.0	22.2	33.4
61	24.6	20.0	30.0



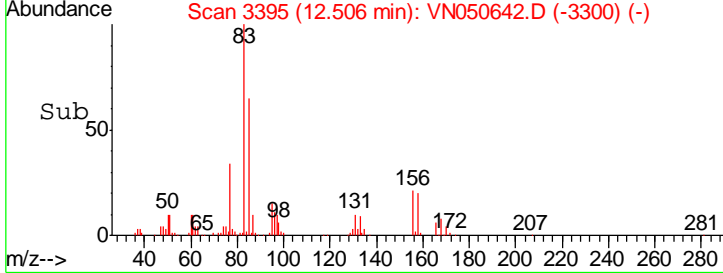
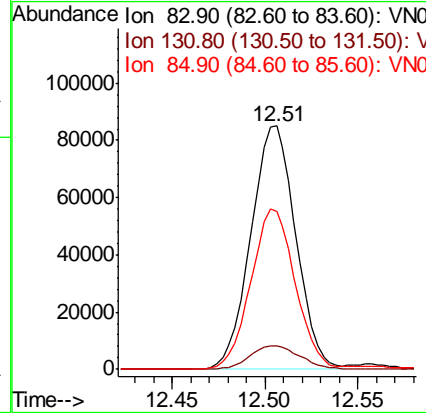
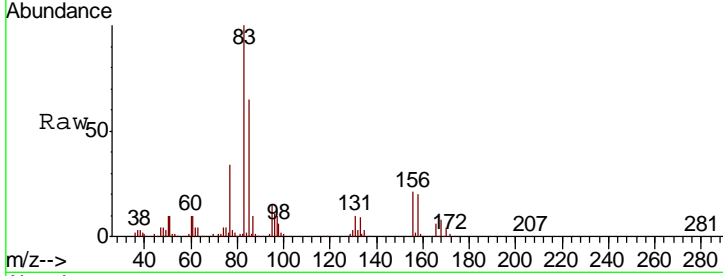


#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.27 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

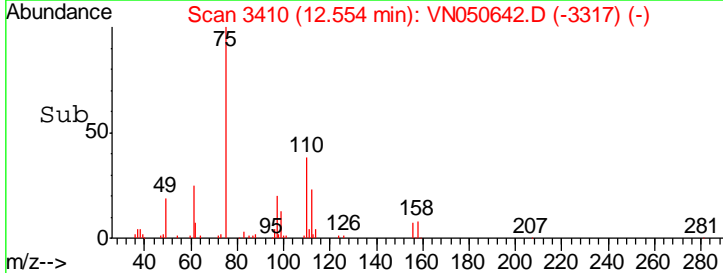
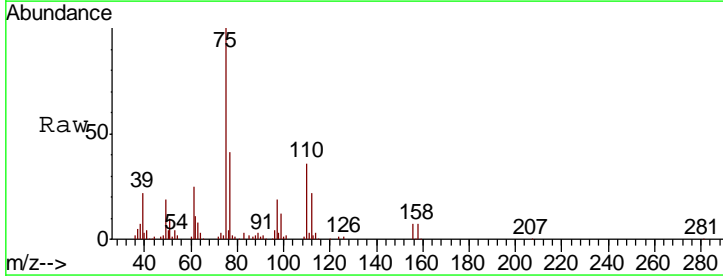
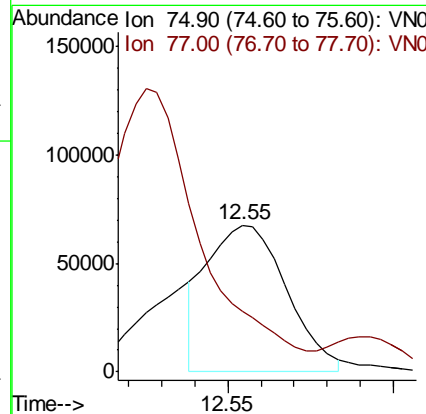
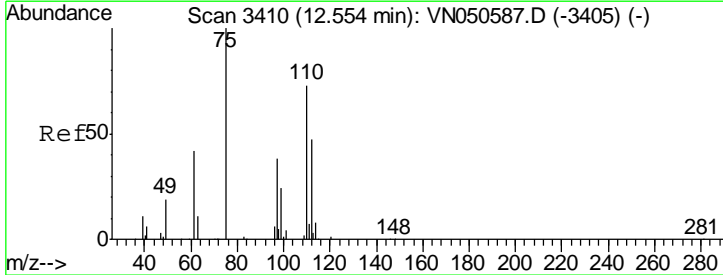
Tgt Ion	Resp	Lower	Upper
83	143964		
131	10.7	5.3	15.9
85	64.9	32.1	96.5

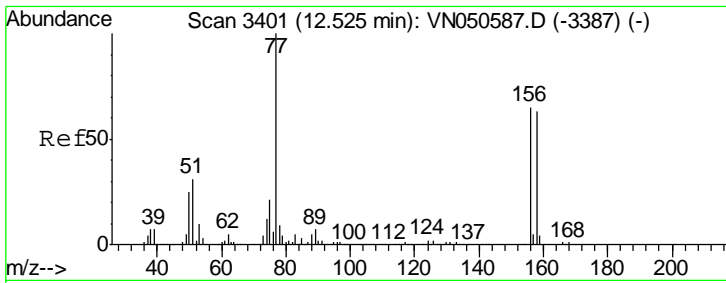
Manual Integrations
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 MMDadoda
 8/16/2018 1:18:28 PM



#76
 1,2,3-Trichloropropane
 Concen: 17.57 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
75	112951		
77	0.0	0.0	0.0



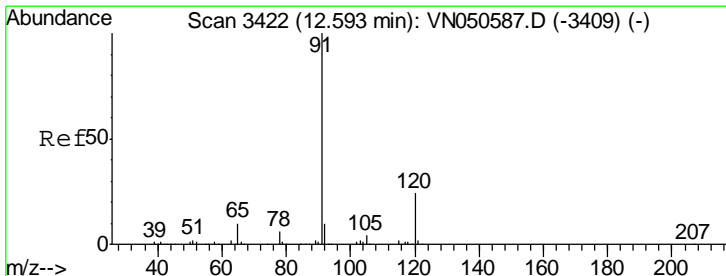
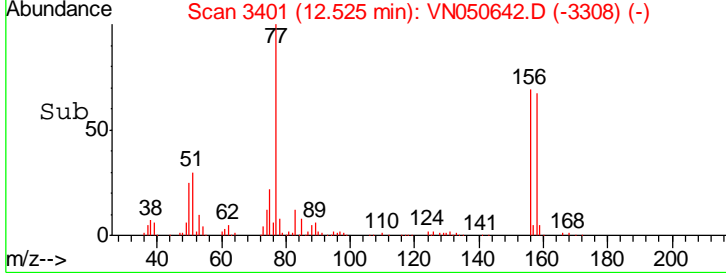
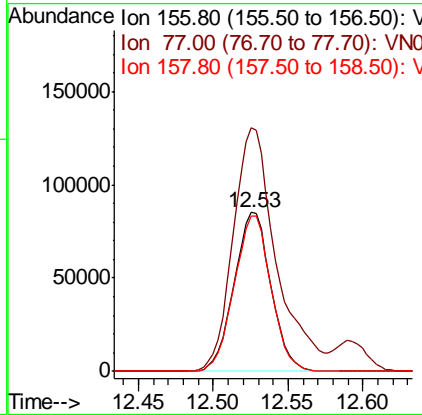
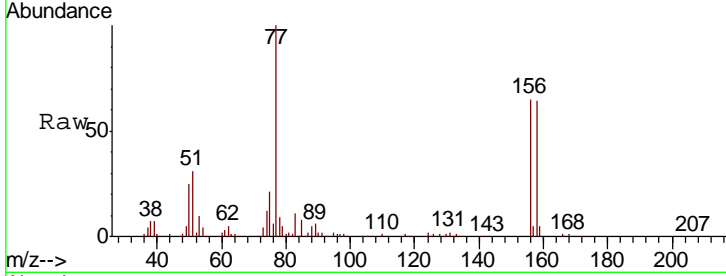


#77
 Bromobenzene
 Concen: 17.94 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

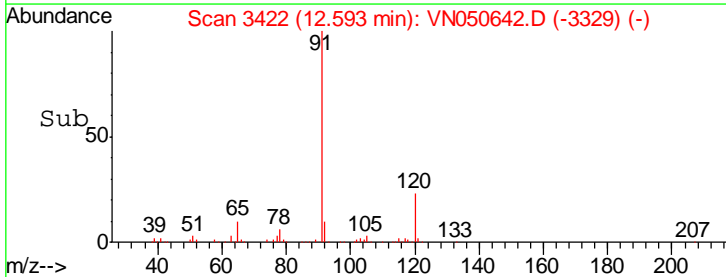
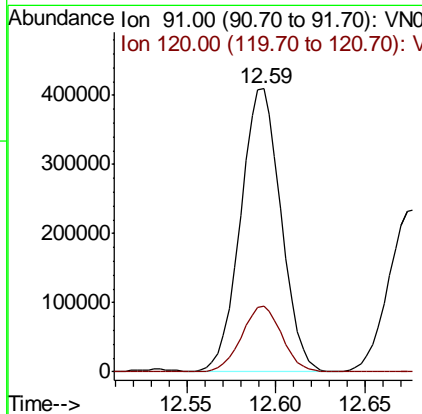
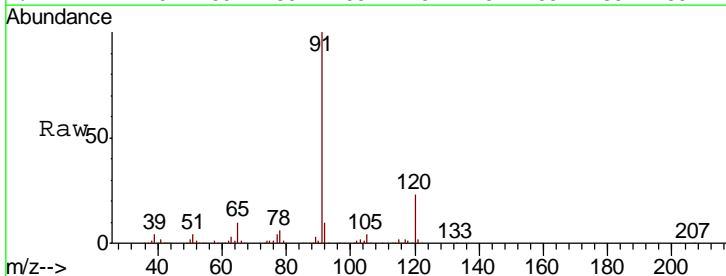
Tgt Ion	Resp	Lower	Upper
156	145929		
77	179.6	89.0	267.1
158	97.6	48.5	145.6

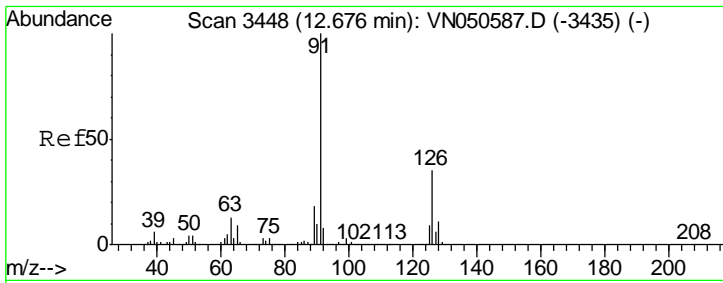
Manual Integrations
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 8/16/2018 1:18:28 PM



#78
 n-propylbenzene
 Concen: 19.36 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
91	646671		
120	23.2	11.8	35.4



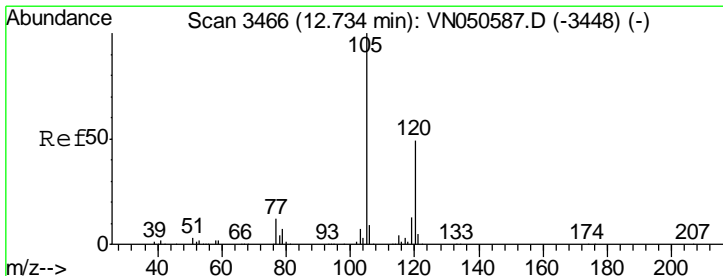
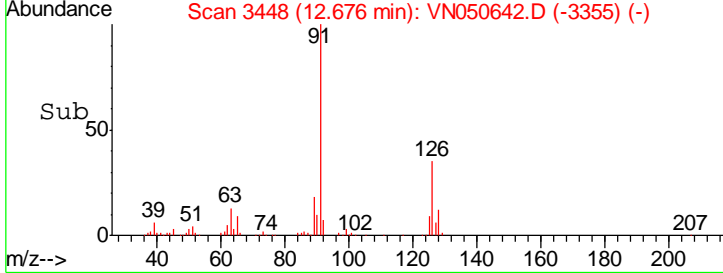
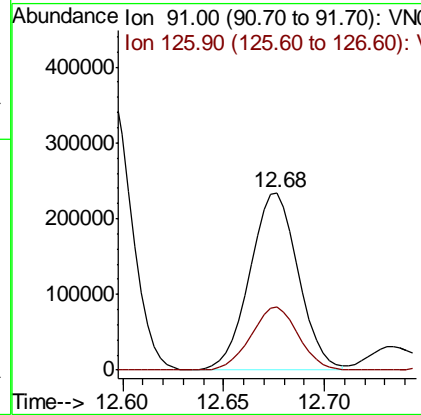
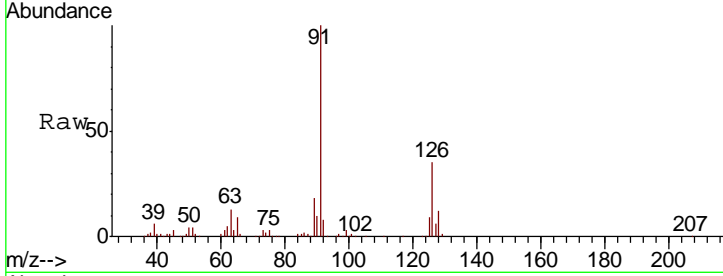


#79
 2-Chlorotoluene
 Concen: 18.76 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

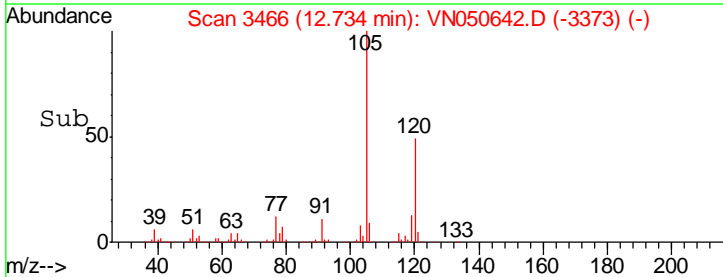
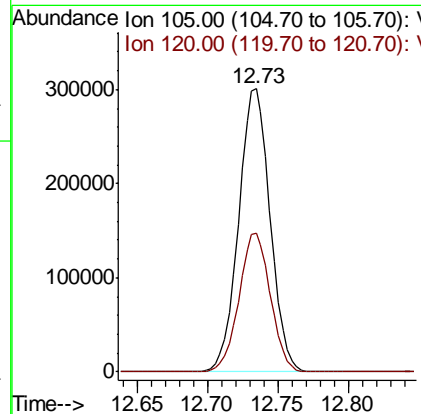
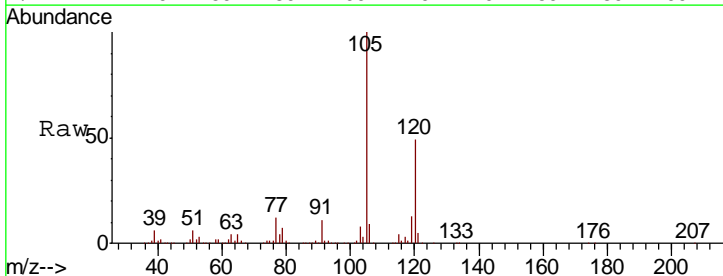
Tgt Ion	Resp	Lower	Upper
91	390591	100	
126	35.2	17.6	52.8

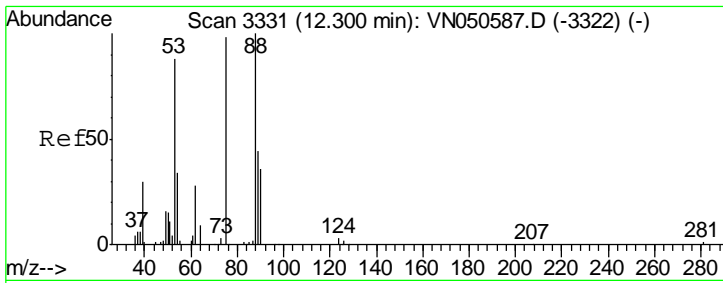
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.54 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
105	468671	100	
120	49.0	24.7	74.1



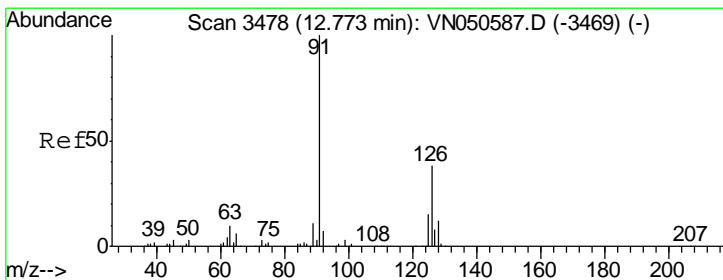
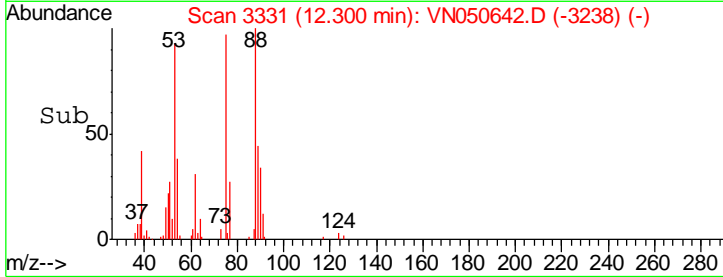
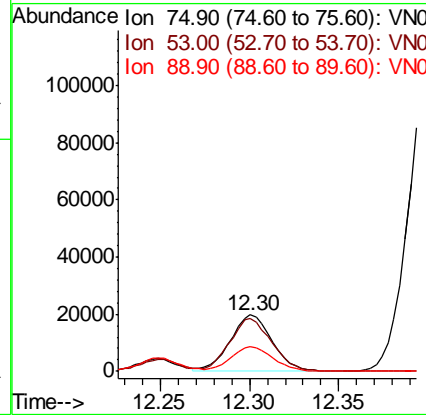
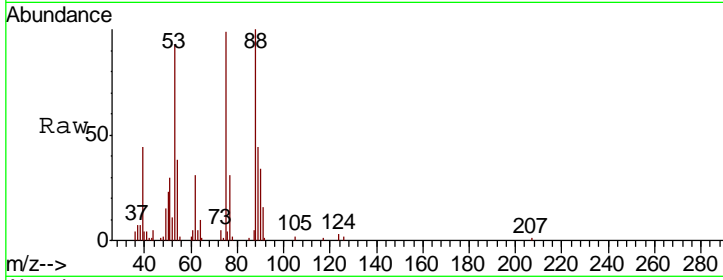


#81
 trans-1,4-Dichloro-2-butene
 Concen: 18.99 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

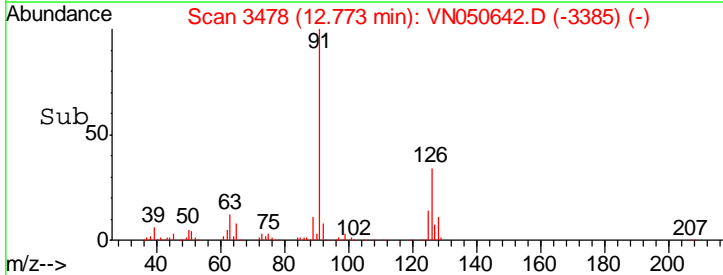
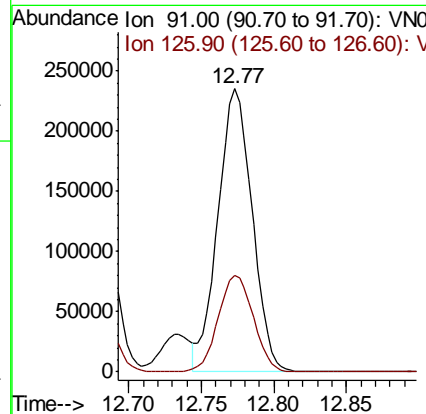
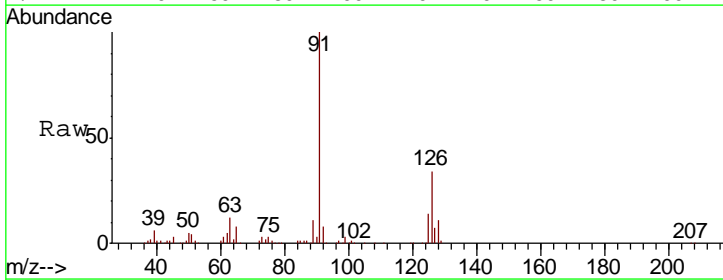
Tgt Ion	Resp	Lower	Upper
75	100		
53	93.6	72.2	108.2
89	43.7	36.3	54.5

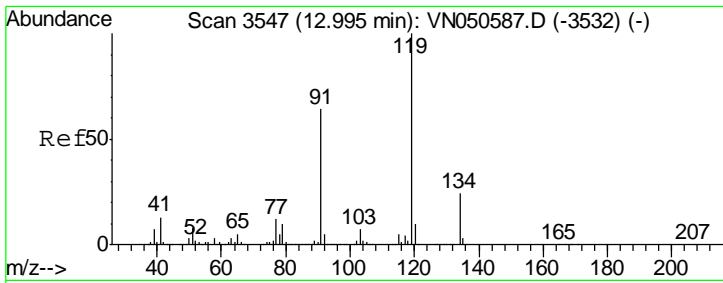
Manual Integrations
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#82
 4-Chlorotoluene
 Concen: 18.73 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
91	100		
126	35.0	17.3	52.0





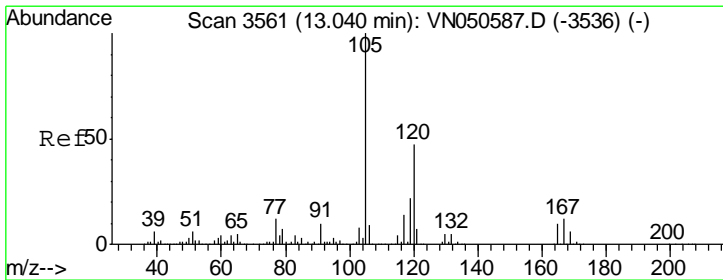
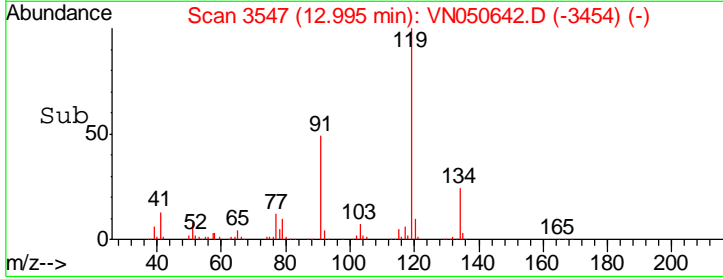
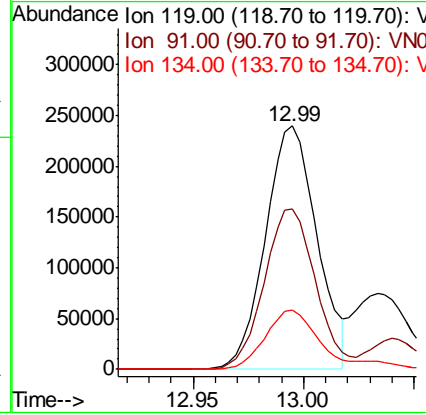
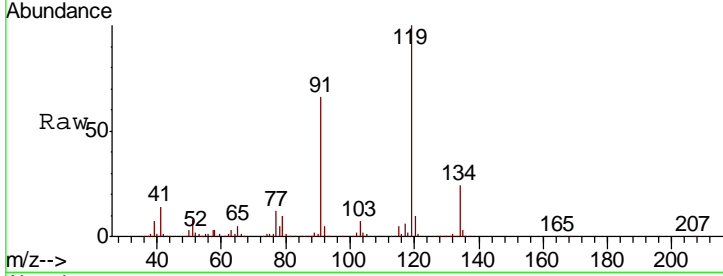
#83
 tert-Butylbenzene
 Concen: 18.66 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

Tgt Ion	Resp	Lower	Upper
119	388360		
91	65.9	32.2	96.6
134	24.9	13.4	40.2

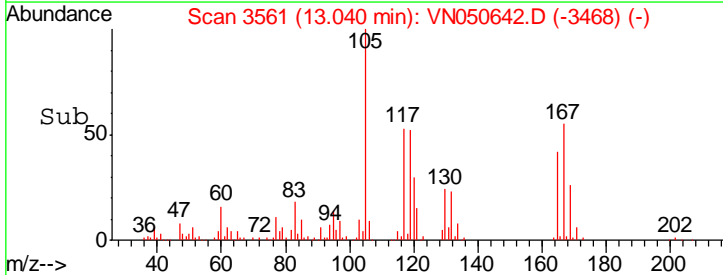
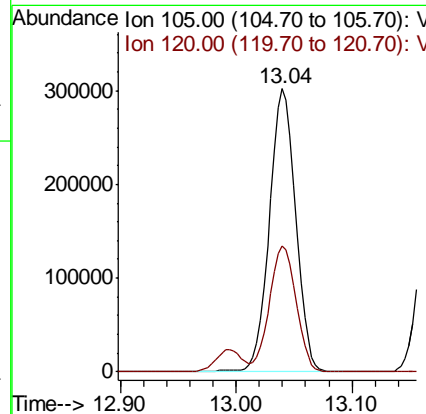
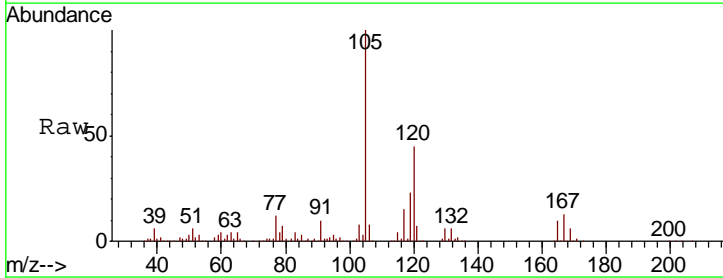
Manual Integrations
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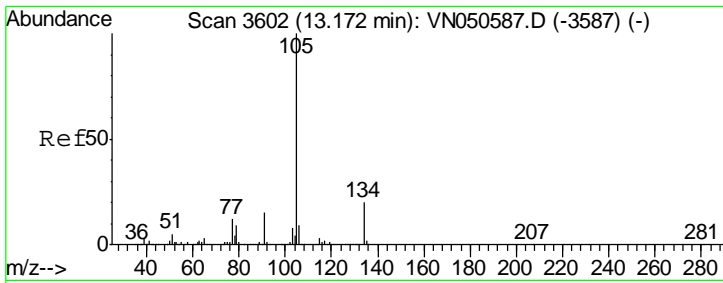
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 8/16/2018 1:18:28 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.71 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
105	474448		
120	45.5	23.2	69.5



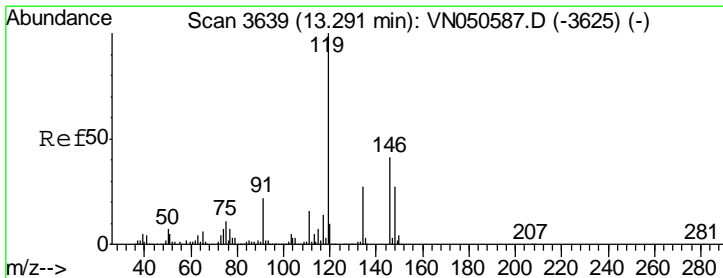
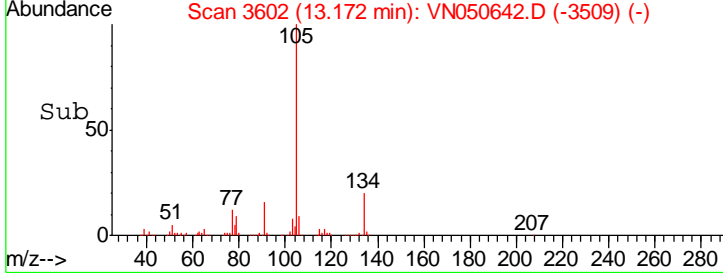
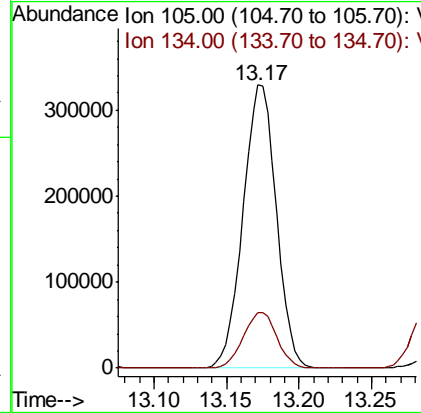
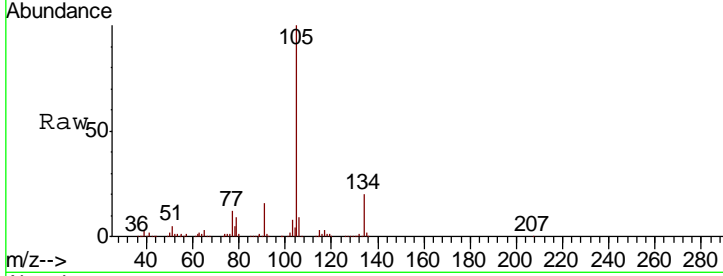


#85
 sec-Butylbenzene
 Concen: 19.26 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

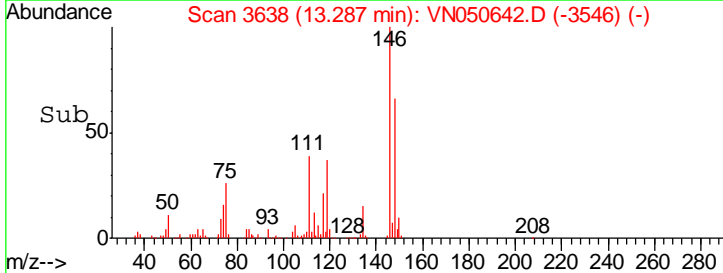
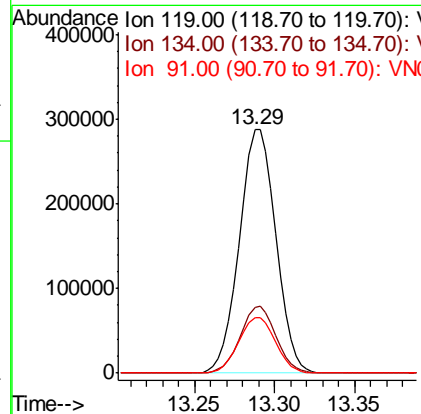
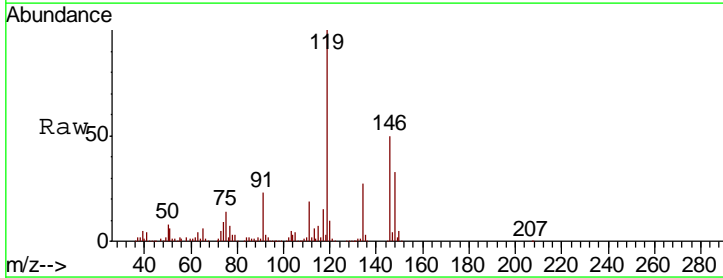
Tgt Ion	Resp	Lower	Upper
105	523855		
134	20.1	10.1	30.3

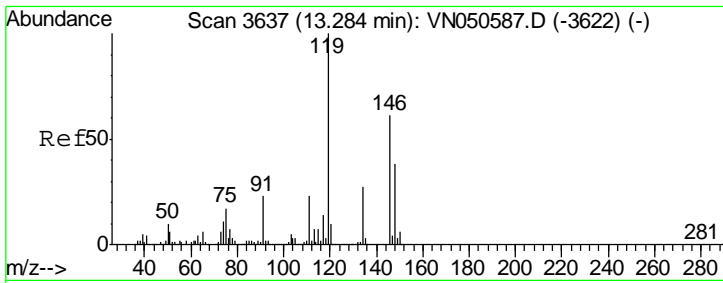
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 19.31 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
119	445014		
134	27.0	13.5	40.4
91	23.0	11.2	33.6



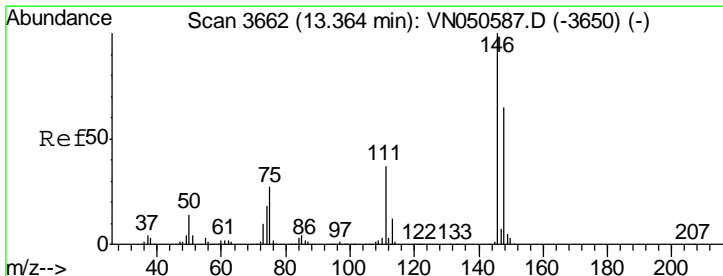
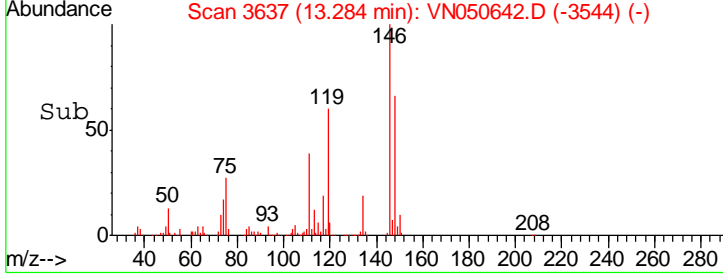
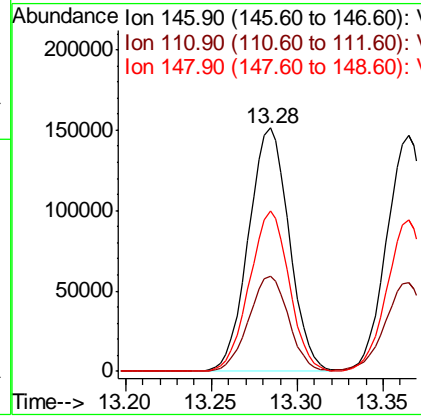
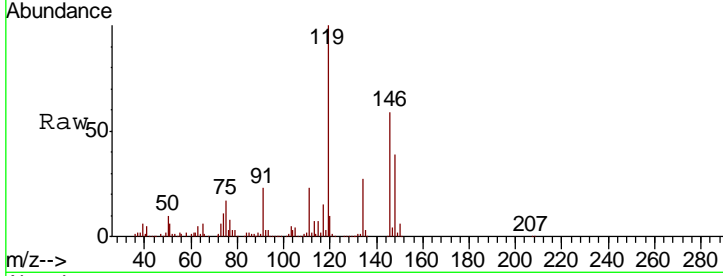


#87
 1,3-Dichlorobenzene
 Concen: 17.94 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

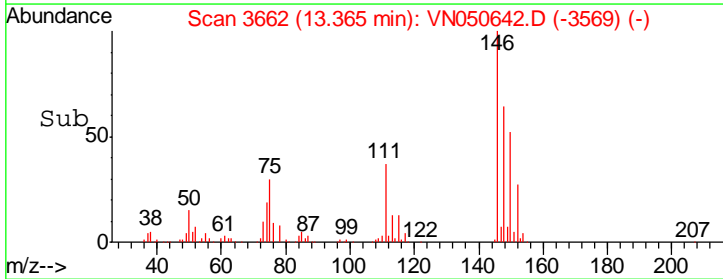
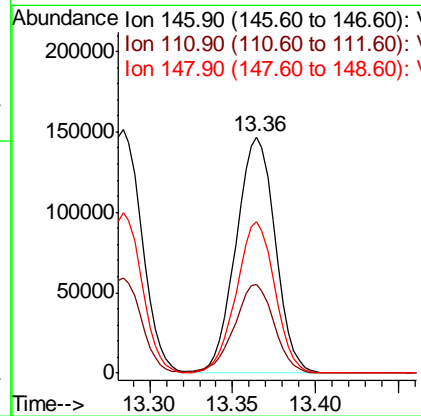
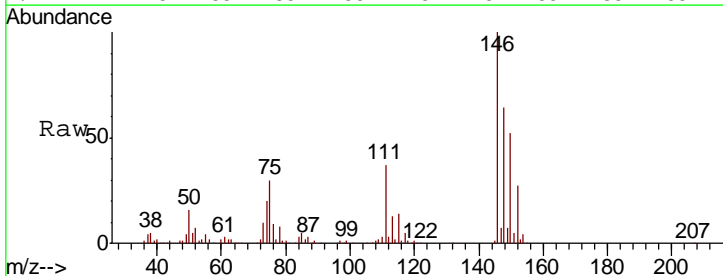
Tgt Ion	Resp	Lower	Upper
146	100		
111	38.3	19.2	57.6
148	64.4	31.9	95.7

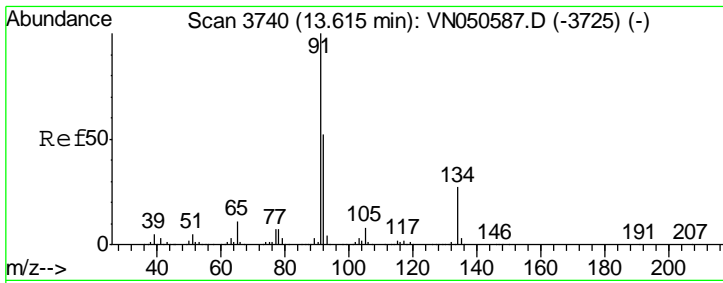
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 17.55 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	63.4	32.3	96.8



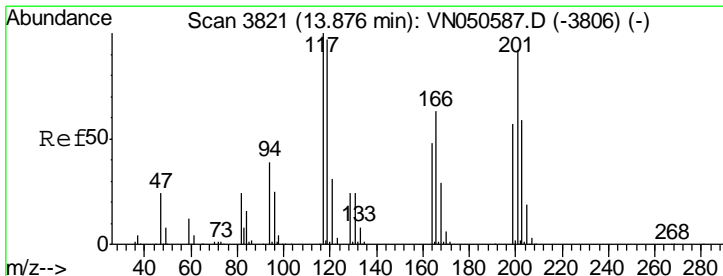
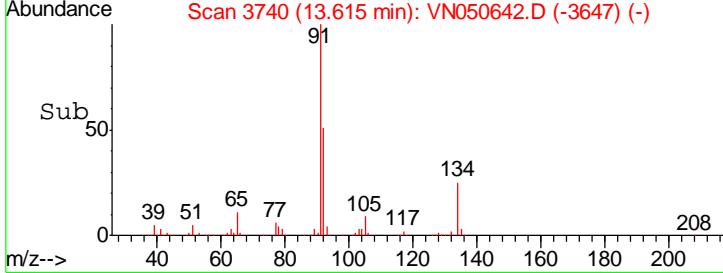
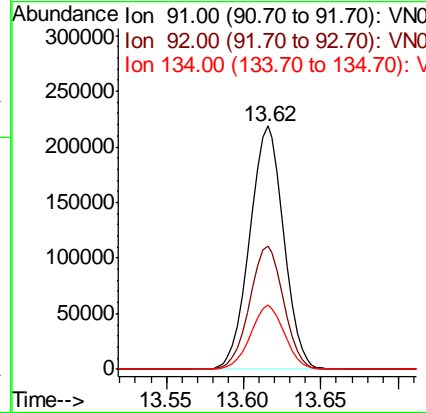
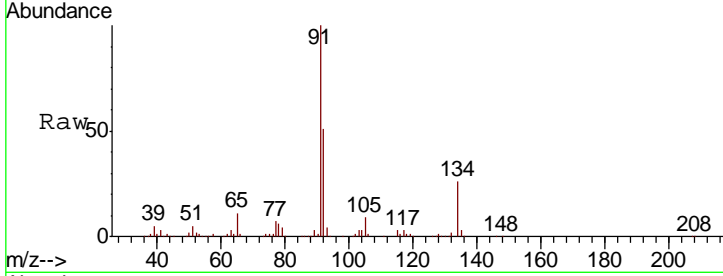


#89
 n-Butylbenzene
 Concen: 18.04 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

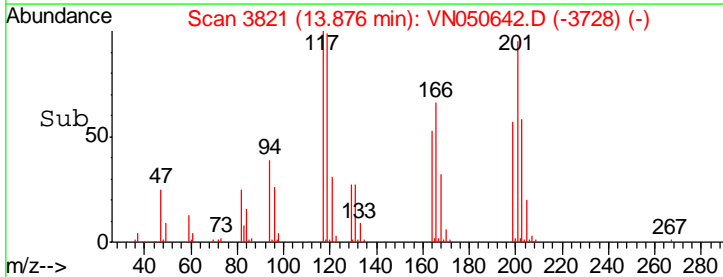
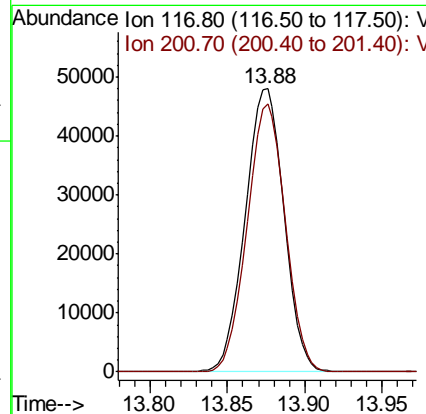
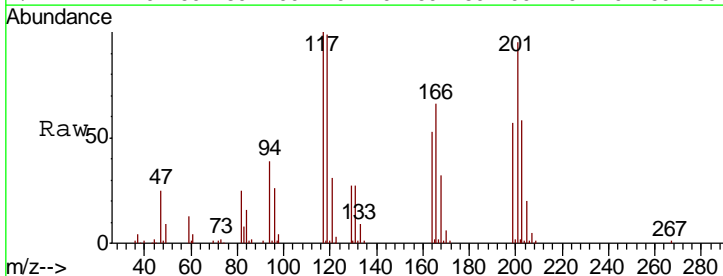
Tgt Ion	Resp	Lower	Upper
91	100		
92	50.4	26.3	78.8
134	26.1	13.3	39.9

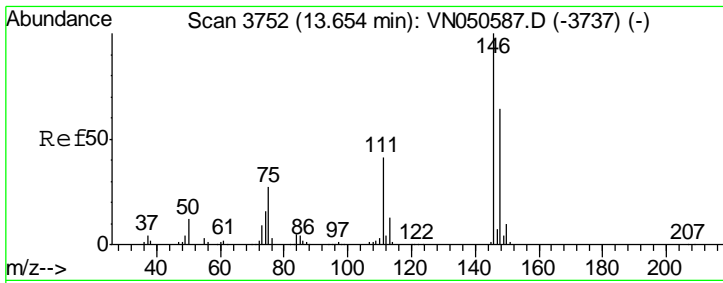
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#90
 Hexachloroethane
 Concen: 18.11 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
117	100		
201	93.1	45.5	136.5



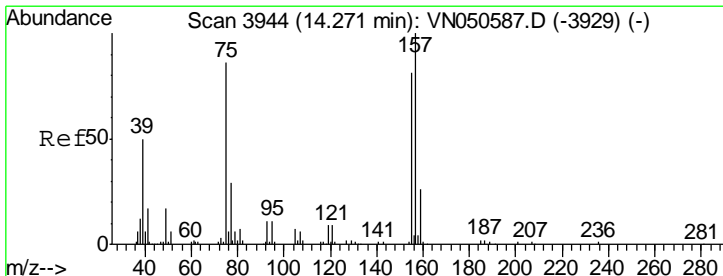
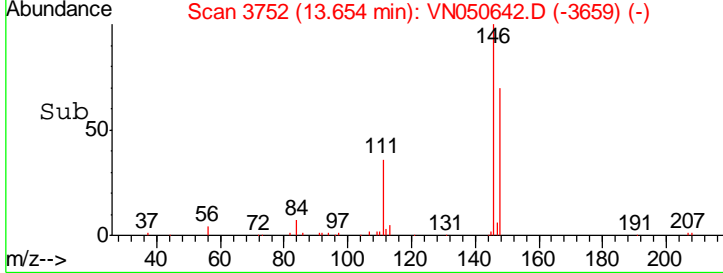
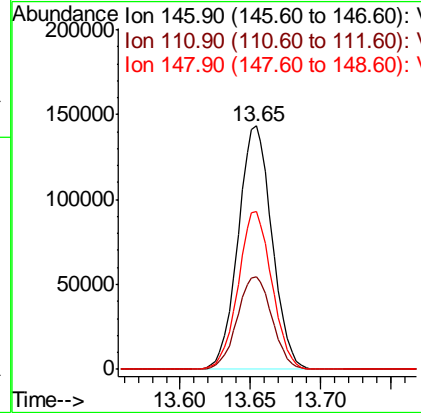
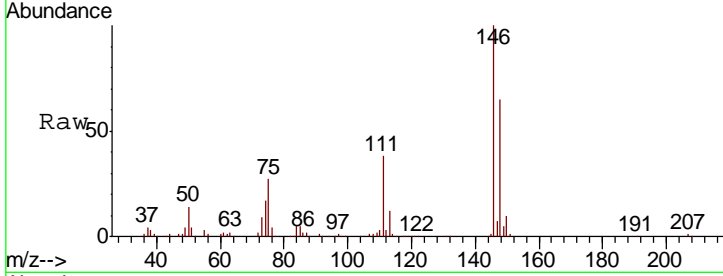


#91
 1,2-Dichlorobenzene
 Concen: 17.81 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

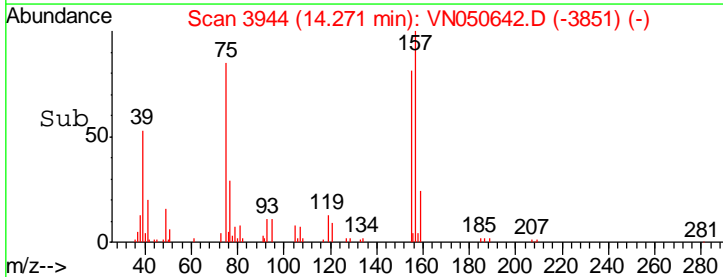
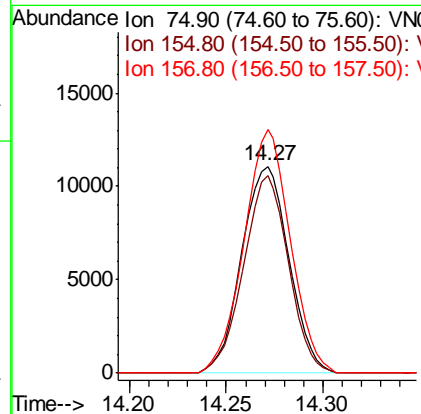
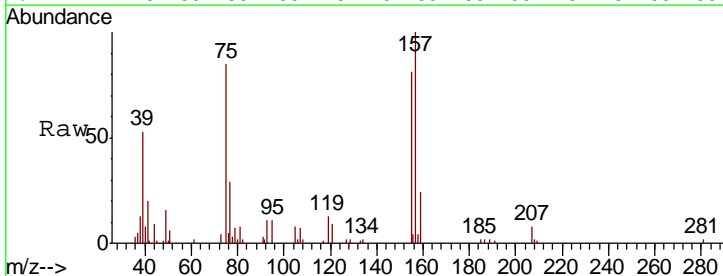
Tgt Ion	Resp	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	64.4	32.3	96.8

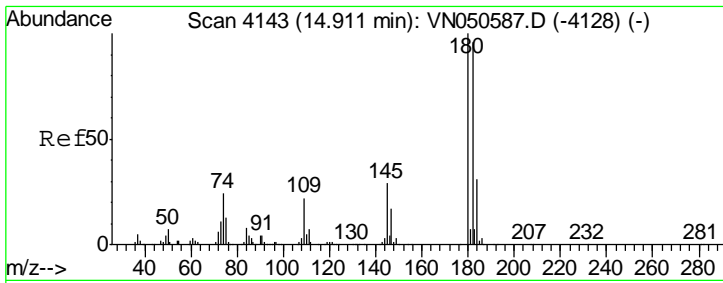
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.60 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
75	100		
155	90.8	46.6	139.8
157	115.5	58.1	174.2





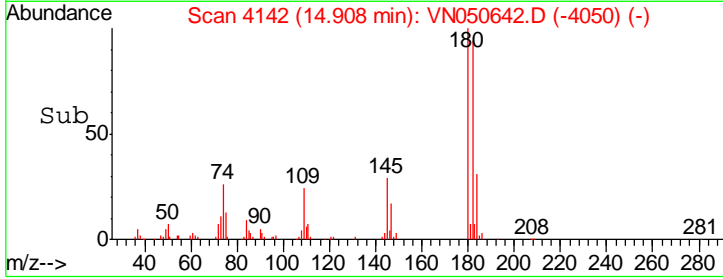
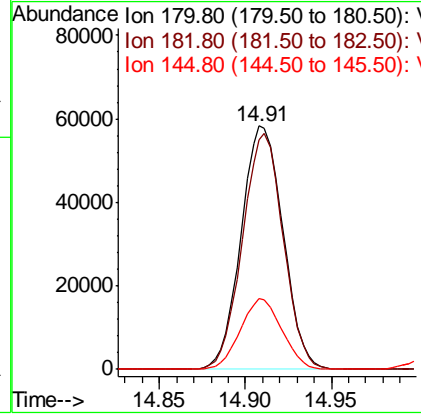
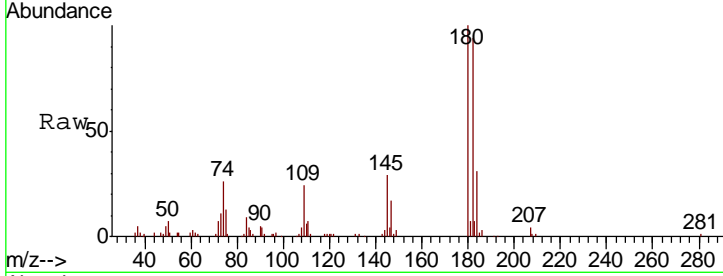
#93
 1,2,4-Trichlorobenzene
 Concen: 16.12 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 ClientSampled : VN0815WBS01

Tgt Ion	Resp	Lower	Upper
180	100		
182	94.3	47.9	143.7
145	28.8	14.4	43.4

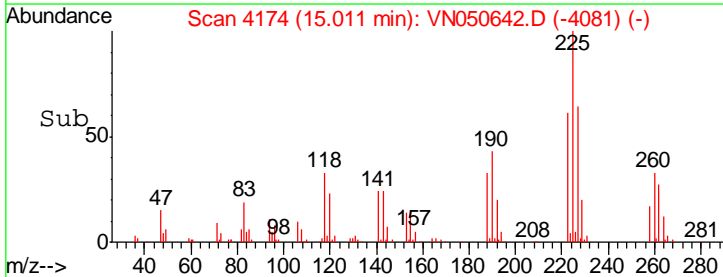
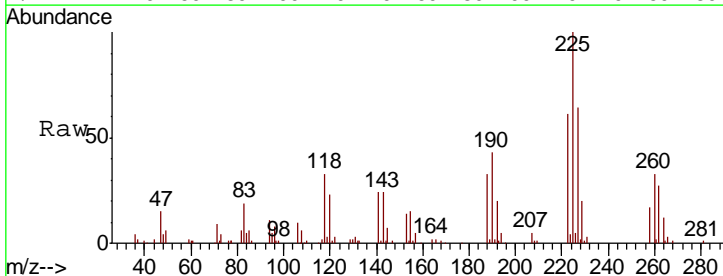
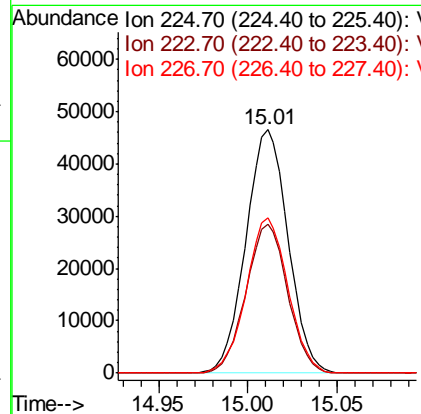
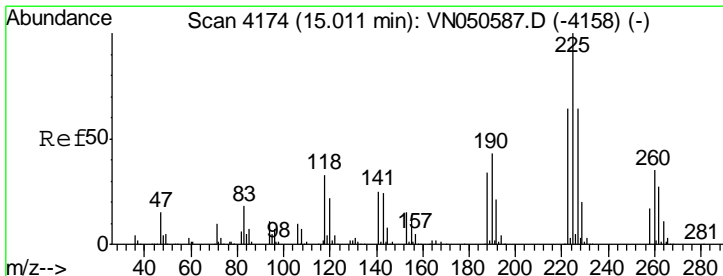
Manual Integrations
 APPROVED

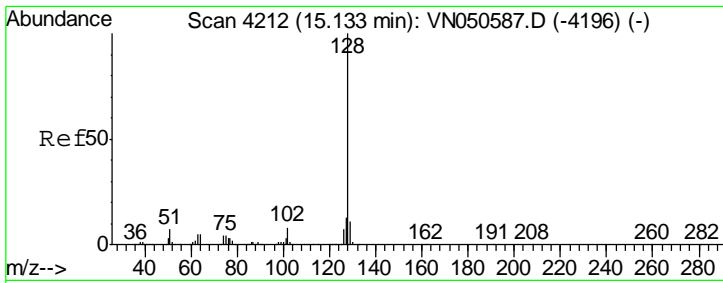
MMDadoda
 8/16/2018 1:18:28 PM



#94
 Hexachlorobutadiene
 Concen: 18.55 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
225	100		
223	60.6	32.1	96.3
227	62.7	32.0	96.2





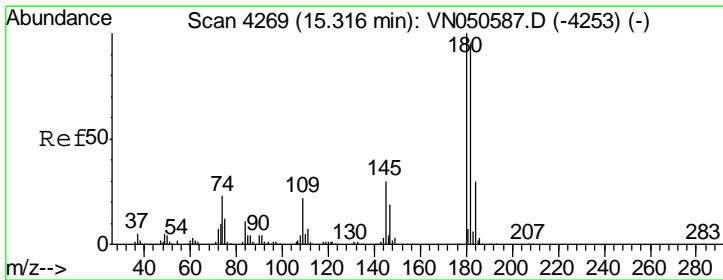
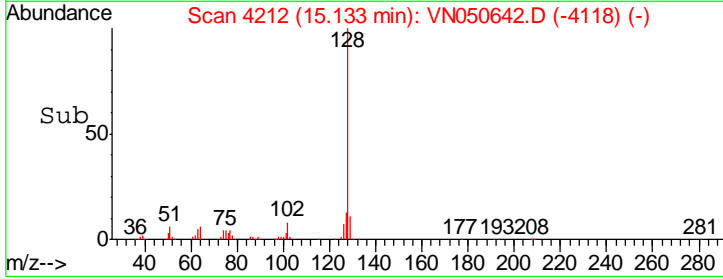
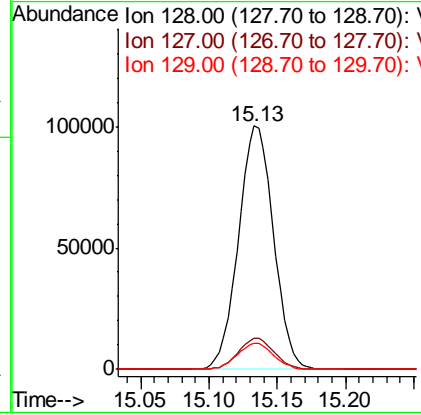
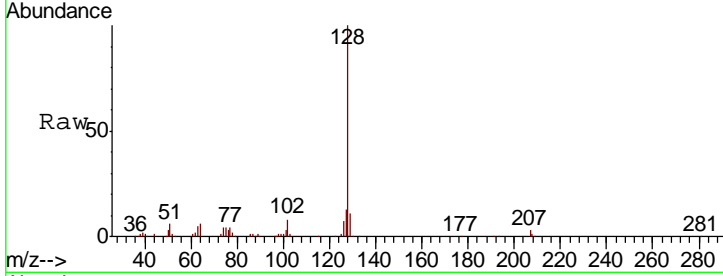
#95
 Naphthalene
 Concen: 15.05 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument : MSVOA_N
 Client Sampled : VN0815WBS01

Tgt Ion	Resp	Lower	Upper
128	178839		
127	13.0	10.3	15.5
129	11.0	8.5	12.7

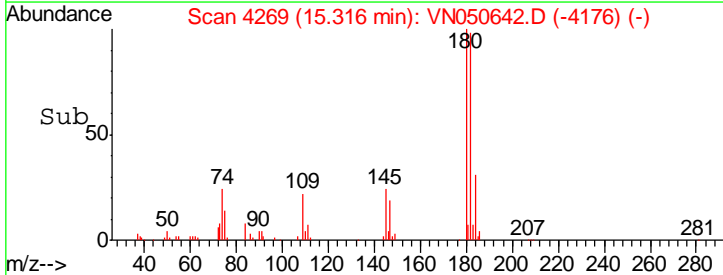
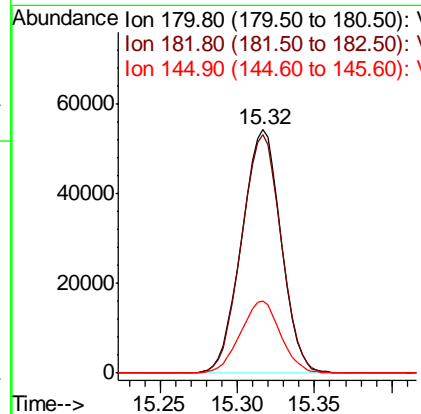
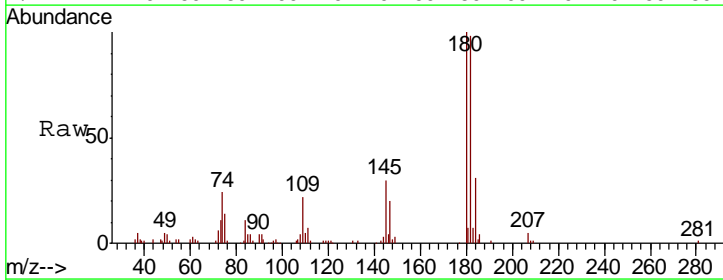
Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:28 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 16.21 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Resp	Lower	Upper
180	96158		
182	98.6	47.3	141.8
145	30.0	14.6	44.0





284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBSD01	SDG No.:	J4469
Lab Sample ID:	VN0814WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050600.D	1		08/14/18 14:22	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	21.1		0.2	0.2	1	ug/L
74-87-3	Chloromethane	22		0.2	0.2	1	ug/L
75-01-4	Vinyl Chloride	21.1		0.2	0.2	1	ug/L
74-83-9	Bromomethane	19.8		0.2	0.2	1	ug/L
75-00-3	Chloroethane	22.4		0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	21.1		0.2	0.2	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		0.2	0.2	1	ug/L
75-35-4	1,1-Dichloroethene	21.2		0.2	0.2	1	ug/L
67-64-1	Acetone	120		0.5	1	5	ug/L
75-15-0	Carbon Disulfide	21.2		0.2	0.2	1	ug/L
1634-04-4	Methyl tert-butyl Ether	22.4		0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	22.5		0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	22.1		0.2	0.2	1	ug/L
156-60-5	trans-1,2-Dichloroethene	21.7		0.2	0.2	1	ug/L
75-34-3	1,1-Dichloroethane	21.3		0.2	0.2	1	ug/L
110-82-7	Cyclohexane	21.7		0.2	0.2	1	ug/L
78-93-3	2-Butanone	110		1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	21.6		0.2	0.2	1	ug/L
156-59-2	cis-1,2-Dichloroethene	21.6		0.2	0.2	1	ug/L
74-97-5	Bromochloromethane	22.7		0.2	0.5	1	ug/L
67-66-3	Chloroform	21.4		0.2	0.2	1	ug/L
71-55-6	1,1,1-Trichloroethane	21.4		0.2	0.2	1	ug/L
108-87-2	Methylcyclohexane	22.6		0.2	0.2	1	ug/L
71-43-2	Benzene	22.6		0.2	0.2	1	ug/L
107-06-2	1,2-Dichloroethane	22.4		0.2	0.2	1	ug/L
79-01-6	Trichloroethene	21.6		0.2	0.2	1	ug/L
78-87-5	1,2-Dichloropropane	22.1		0.2	0.2	1	ug/L
75-27-4	Bromodichloromethane	21.8		0.2	0.2	1	ug/L
108-10-1	4-Methyl-2-Pentanone	120		1	1	5	ug/L
108-88-3	Toluene	22.9		0.2	0.2	1	ug/L
10061-02-6	t-1,3-Dichloropropene	22		0.2	0.2	1	ug/L
10061-01-5	cis-1,3-Dichloropropene	22.9		0.2	0.2	1	ug/L



Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBSD01	SDG No.:	J4469
Lab Sample ID:	VN0814WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050600.D	1		08/14/18 14:22	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	22.2		0.2	0.2	1	ug/L
591-78-6	2-Hexanone	120		1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	22		0.2	0.2	1	ug/L
106-93-4	1,2-Dibromoethane	22.4		0.2	0.2	1	ug/L
127-18-4	Tetrachloroethene	21.9		0.2	0.2	1	ug/L
108-90-7	Chlorobenzene	21.9		0.2	0.2	1	ug/L
100-41-4	Ethyl Benzene	22.4		0.2	0.2	1	ug/L
179601-23-1	m/p-Xylenes	45.9		0.4	0.4	2	ug/L
95-47-6	o-Xylene	22.8		0.2	0.2	1	ug/L
100-42-5	Styrene	21.3		0.2	0.2	1	ug/L
75-25-2	Bromoform	22.6		0.2	0.2	1	ug/L
98-82-8	Isopropylbenzene	22.4		0.2	0.2	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	23.9		0.2	0.2	1	ug/L
541-73-1	1,3-Dichlorobenzene	21.8		0.2	0.2	1	ug/L
106-46-7	1,4-Dichlorobenzene	21.1		0.2	0.2	1	ug/L
95-50-1	1,2-Dichlorobenzene	21.6		0.2	0.2	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	22.6		0.2	0.2	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.7		0.2	0.2	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.4		0.2	0.2	1	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.3		61 - 141		109%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		69 - 133		109%	SPK: 50
2037-26-5	Toluene-d8	53.9		65 - 126		108%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		58 - 135		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	592725	7.667				
540-36-3	1,4-Difluorobenzene	862794	8.586				
3114-55-4	Chlorobenzene-d5	775712	11.409				
3855-82-1	1,4-Dichlorobenzene-d4	387079	13.345				



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrew St. RI	Date Received:	
Client Sample ID:	VN0814WBSD01	SDG No.:	J4469
Lab Sample ID:	VN0814WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN050600.D	1		08/14/18 14:22	VN081418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050600.D
 Acq On : 14 Aug 2018 14:22
 Operator : MD\SY
 Sample : VN0814WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:31 PM

Quant Time: Aug 15 08:58:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	592725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	862794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	775712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	387079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	405760	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.59	113	375622	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
50) Toluene-d8	10.09	98	1396837	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.40	95	441566	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	141142	21.12	ug/l	98
3) Chloromethane	2.06	50	181387	22.00	ug/l	99
4) Vinyl Chloride	2.18	62	187328	21.10	ug/l	99
5) Bromomethane	2.56	94	100297	19.76	ug/l	99
6) Chloroethane	2.70	64	114794	22.40	ug/l	96
7) Trichlorofluoromethane	3.01	101	246055	21.13	ug/l	100
8) Diethyl Ether	3.41	74	84427	21.79	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	151578	21.52	ug/l	100
10) Methyl Iodide	3.95	142	98377	23.87	ug/l	99
11) Tert butyl alcohol	4.80	59	48385	118.60	ug/l	# 72
12) 1,1-Dichloroethene	3.73	96	136349	21.20	ug/l	99
13) Acrolein	3.61	56	17933	109.75	ug/l	99
14) Allyl chloride	4.33	41	215393	21.53	ug/l	100
15) Acrylonitrile	4.99	53	248347	110.84	ug/l	99
16) Acetone	3.82	43	220155	117.24	ug/l	99
17) Carbon Disulfide	4.05	76	428734	21.18	ug/l	98
18) Methyl Acetate	4.33	43	120774	22.47	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	366645	22.40	ug/l	98
20) Methylene Chloride	4.55	84	162000	22.10	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	151363	21.71	ug/l	98
22) Diisopropyl ether	5.96	45	472623	23.04	ug/l	95
23) Vinyl Acetate	5.90	43	1543147	115.01	ug/l	99
24) 1,1-Dichloroethane	5.85	63	283119	21.33	ug/l	98
25) 2-Butanone	6.84	43	347164	113.33	ug/l	100
26) 2,2-Dichloropropane	6.83	77	214813	24.18	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	167889	21.62	ug/l	98
28) Bromochloromethane	7.20	49	137305	22.73	ug/l	100
29) Tetrahydrofuran	7.22	42	188651	117.95	ug/l	100
30) Chloroform	7.37	83	287799	21.40	ug/l	98
31) Cyclohexane	7.66	56	248400	21.74	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	242644	21.43	ug/l	99
36) 1,1-Dichloropropene	7.80	75	210260	21.89	ug/l	99
37) Ethyl Acetate	6.94	43	126247	23.25	ug/l	99
38) Carbon Tetrachloride	7.77	117	215358	21.61	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050600.D
 Acq On : 14 Aug 2018 14:22
 Operator : MD\SY
 Sample : VN0814WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:31 PM

Quant Time: Aug 15 08:58:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	224715	22.60	ug/l	99
40) Benzene	8.04	78	659193	22.56	ug/l	100
41) Methacrylonitrile	7.17	41	66082	22.51	ug/l	96
42) 1,2-Dichloroethane	8.13	62	200116	22.35	ug/l	99
43) Isopropyl Acetate	8.17	43	219588	22.19	ug/l #	86
44) Trichloroethene	8.84	130	169181	21.62	ug/l	99
45) 1,2-Dichloropropane	9.12	63	171531	22.05	ug/l	100
46) Dibromomethane	9.21	93	102131	22.24	ug/l	97
47) Bromodichloromethane	9.40	83	213518	21.75	ug/l	98
48) Methyl methacrylate	9.20	41	110128	22.12	ug/l	100
49) 1,4-Dioxane	9.20	88	30507	465.16	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	800367	119.61	ug/l	99
52) Toluene	10.16	92	398891	22.87	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	201233	22.01	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	240674	22.94	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144639	22.19	ug/l	98
56) Ethyl methacrylate	10.43	69	170291	21.61	ug/l	100
57) 1,3-Dichloropropane	10.71	76	239928	22.46	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	394852	105.43	ug/l	100
59) 2-Hexanone	10.75	43	511013	118.33	ug/l	99
60) Dibromochloromethane	10.90	129	158528	22.04	ug/l	99
61) 1,2-Dibromoethane	11.01	107	139296	22.44	ug/l	99
64) Tetrachloroethene	10.63	164	157767	21.90	ug/l	99
65) Chlorobenzene	11.43	112	422278	21.87	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	159310	22.01	ug/l	99
67) Ethyl Benzene	11.51	91	696615	22.35	ug/l	100
68) m/p-Xylenes	11.62	106	547387	45.91	ug/l	100
69) o-Xylene	11.95	106	258847	22.77	ug/l	100
70) Styrene	11.97	104	418489	21.25	ug/l	100
71) Bromoform	12.13	173	108241	22.56	ug/l #	99
73) Isopropylbenzene	12.25	105	678503	22.44	ug/l	99
74) N-amyl acetate	12.07	43	174692	22.20	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	176101	23.87	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146002m	22.79	ug/l	
77) Bromobenzene	12.53	156	177780	21.65	ug/l	100
78) n-propylbenzene	12.59	91	766481	22.73	ug/l	99
79) 2-Chlorotoluene	12.67	91	470243	22.37	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	561711	23.20	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	39635	22.76	ug/l	96
82) 4-Chlorotoluene	12.77	91	466908	22.47	ug/l	99
83) tert-Butylbenzene	12.99	119	476367	22.66	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	571459	23.51	ug/l	99
85) sec-Butylbenzene	13.17	105	624638	22.74	ug/l	100
86) p-Isopropyltoluene	13.29	119	529999	22.77	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	304359	21.77	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	292865	21.11	ug/l	100
89) n-Butylbenzene	13.62	91	405502	21.58	ug/l	98
90) Hexachloroethane	13.88	117	97310	20.79	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	294112	21.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24404	22.62	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050600.D
 Acq On : 14 Aug 2018 14:22
 Operator : MD\SY
 Sample : VN0814WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

Manual Integrations
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Quant Time: Aug 15 08:58:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	126195	19.74	ug/l	99
94) Hexachlorobutadiene	15.01	225	88371	21.14	ug/l	99
95) Naphthalene	15.13	128	251570	19.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	125723	20.42	ug/l	99

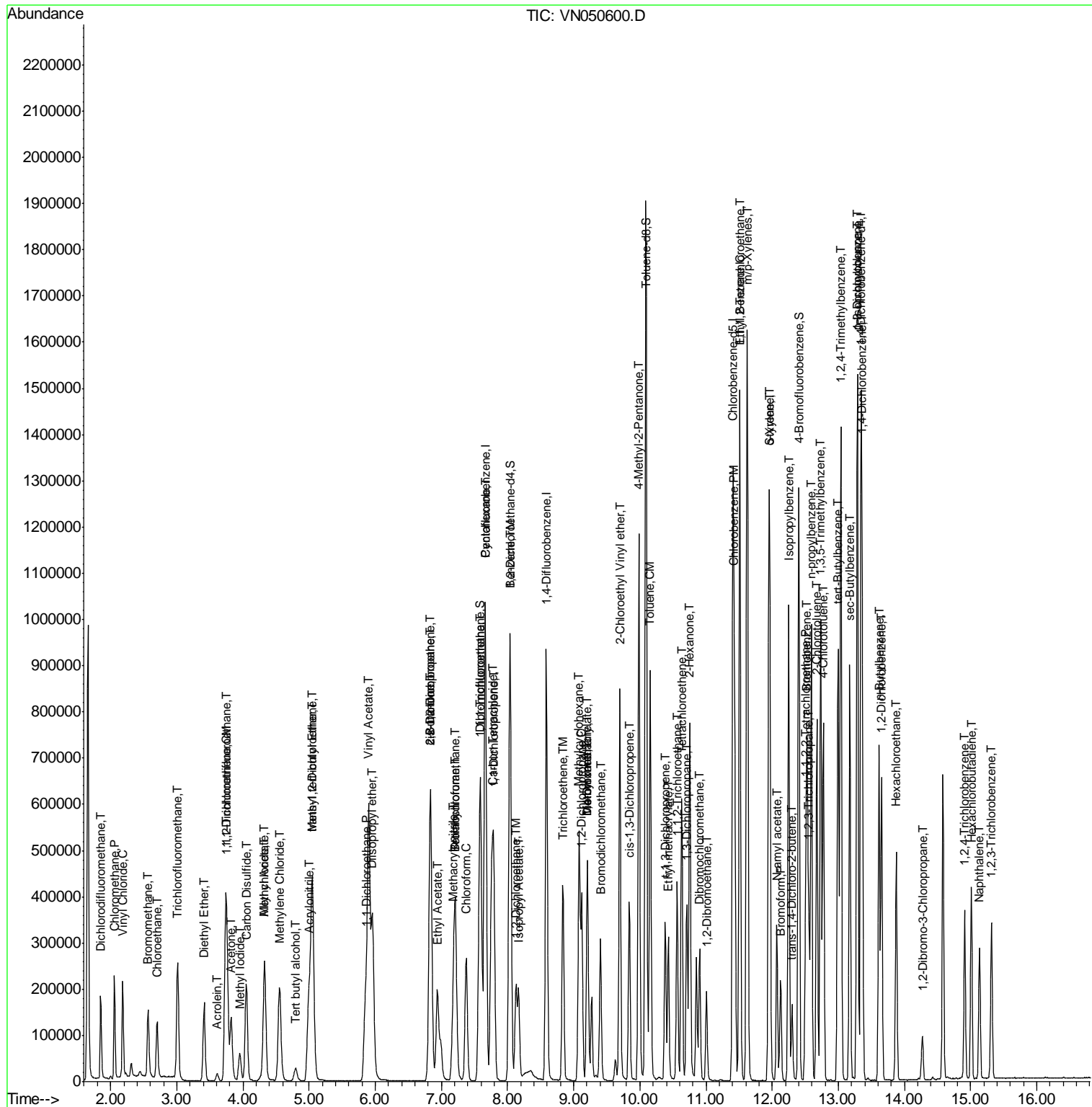
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050600.D
 Acq On : 14 Aug 2018 14:22
 Operator : MD\SY
 Sample : VN0814WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

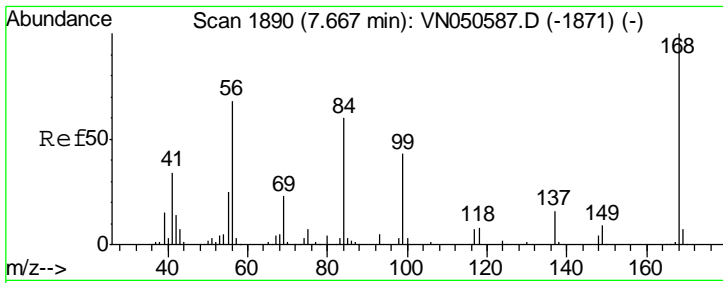
Instrument :
 MSVOA_N
 Client Sampled :
 VN0814WBSD01

Manual Integrations
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 MMDadoda
 8/15/2018 3:31:31 PM

Quant Time: Aug 15 08:58:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration



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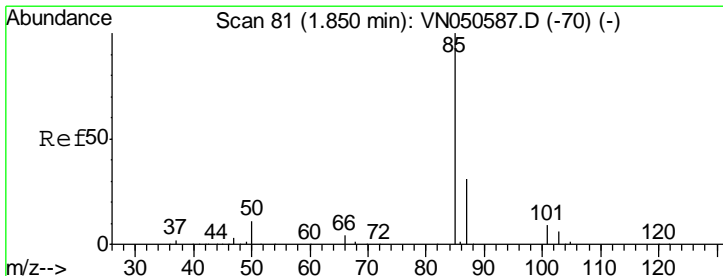
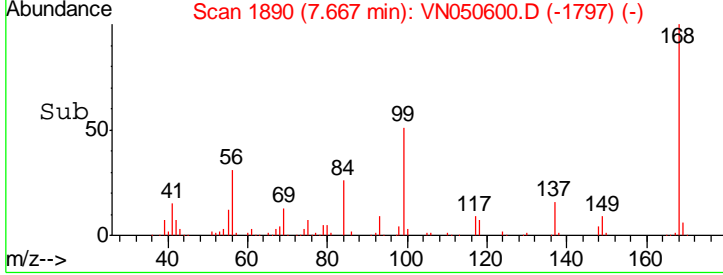
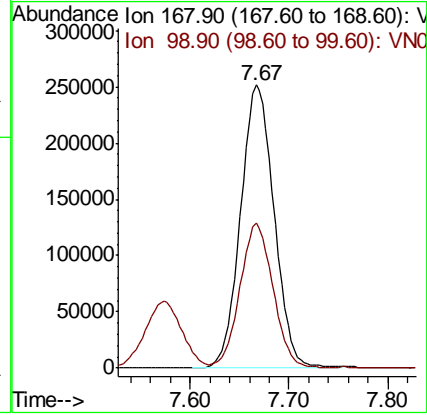
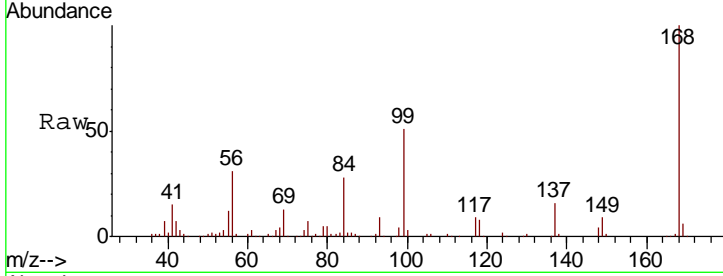


#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

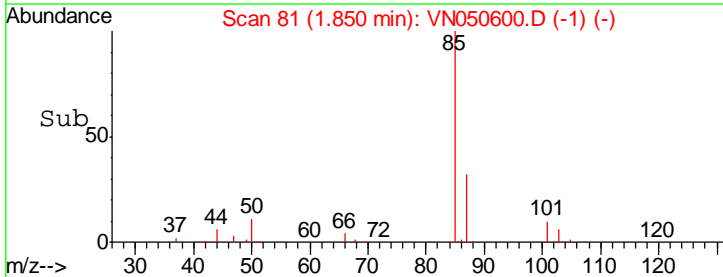
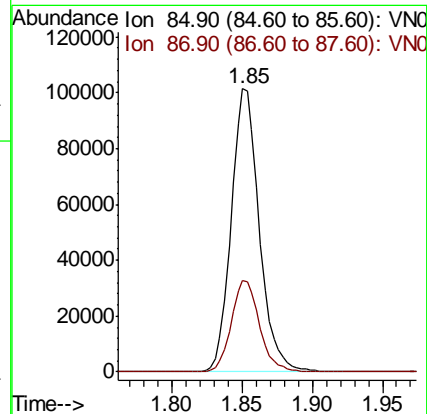
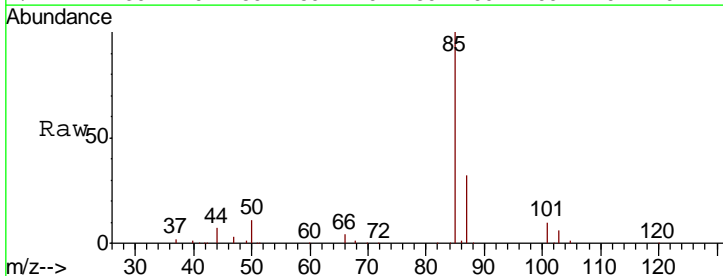
Tgt Ion	Resp	Lower	Upper
168	100		
99	50.7	40.8	61.2

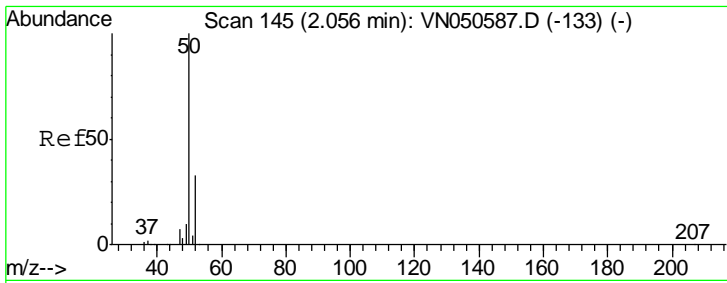
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#2
 Dichlorodifluoromethane
 Concen: 21.12 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
85	100		
87	32.5	15.8	47.3



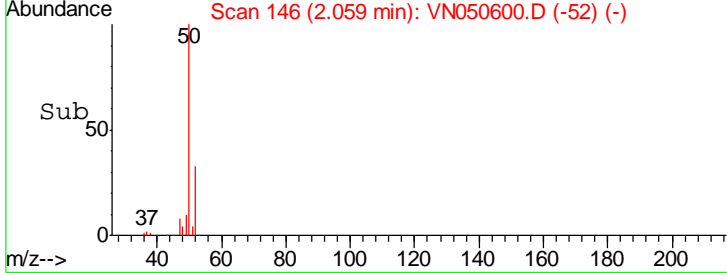
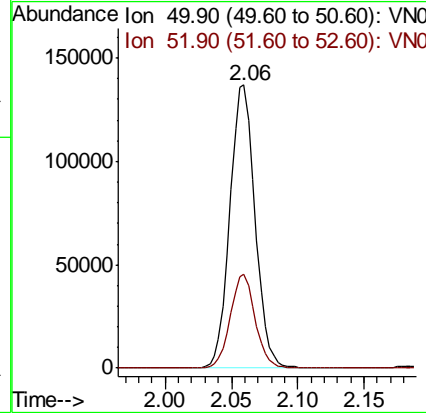
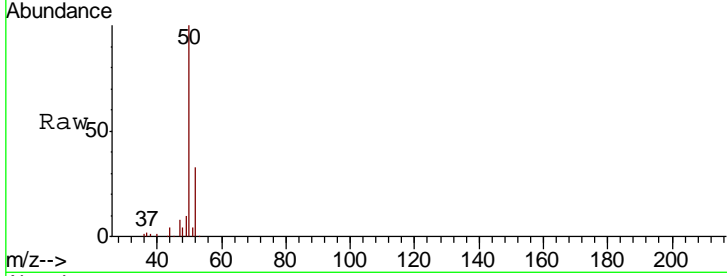


#3
 Chloromethane
 Concen: 22.00 ug/l
 RT: 2.06 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
50	100		
52	33.1	26.0	39.0

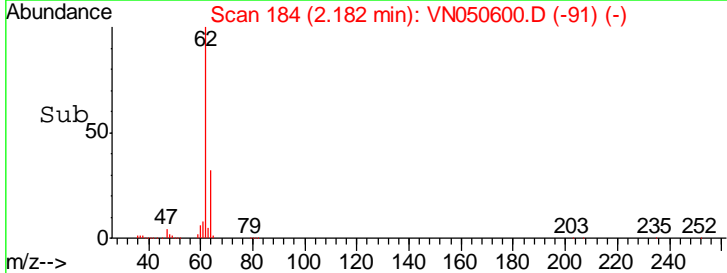
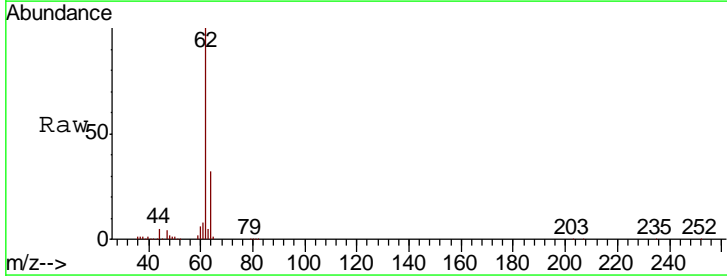
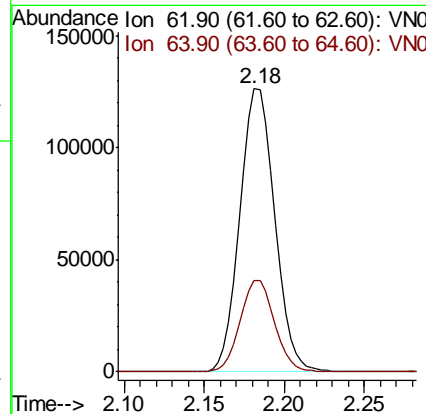
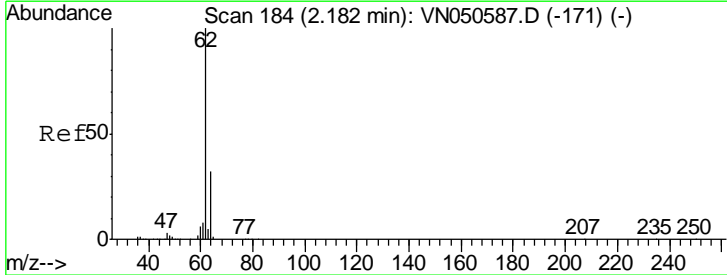
Instrument : MSVOA_N
 Client Sampled : VN0814WBSD01

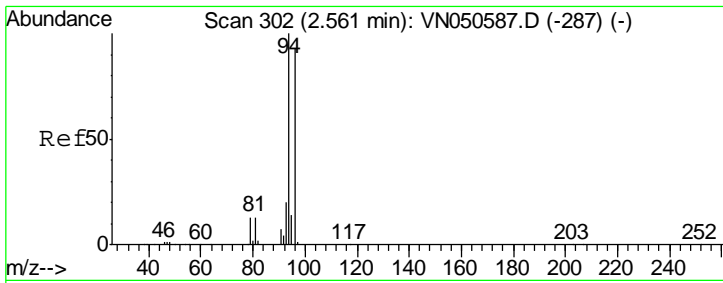
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#4
 Vinyl Chloride
 Concen: 21.10 ug/l
 RT: 2.18 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
62	100		
64	32.2	25.2	37.8



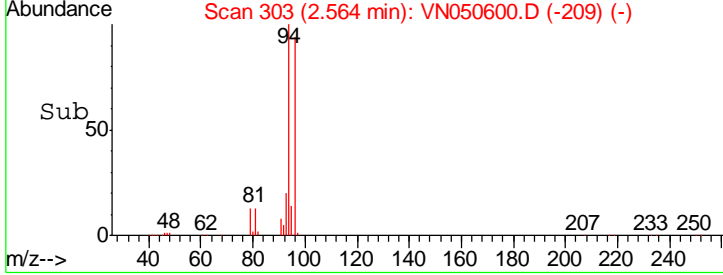
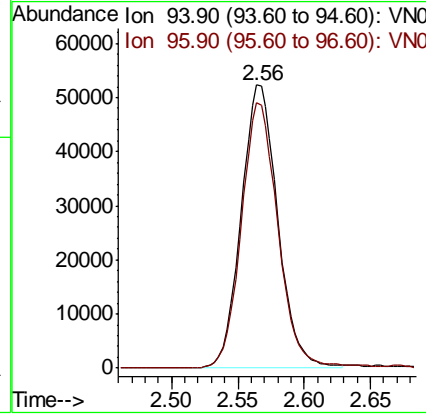
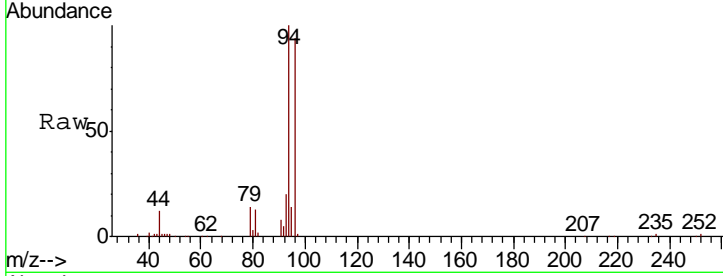


#5
 Bromomethane
 Concen: 19.76 ug/l
 RT: 2.56 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
94	100		
96	93.7	74.0	111.0

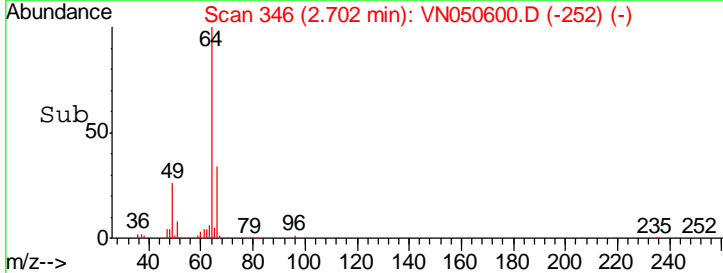
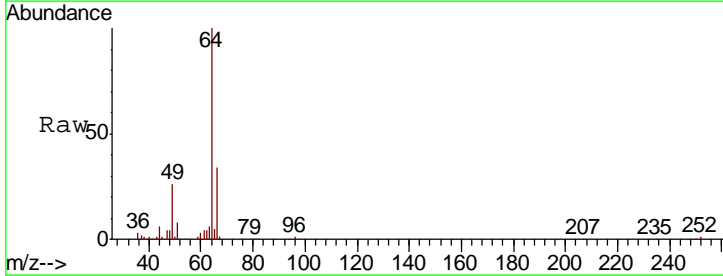
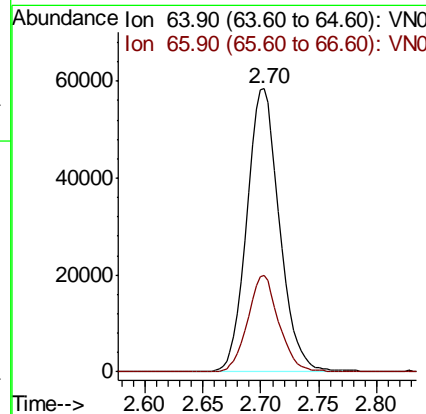
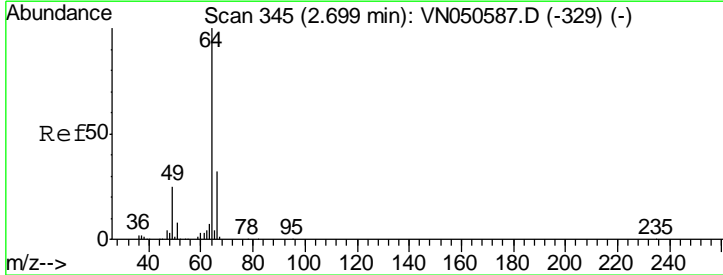
Instrument : MSVOA_N
 ClientSampleId : VN0814WBSD01

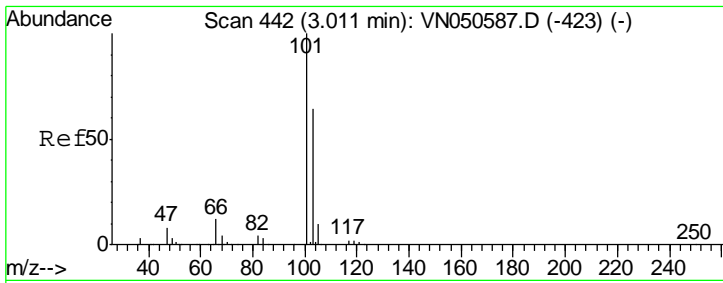
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#6
 Chloroethane
 Concen: 22.40 ug/l
 RT: 2.70 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
64	100		
66	34.3	25.7	38.5





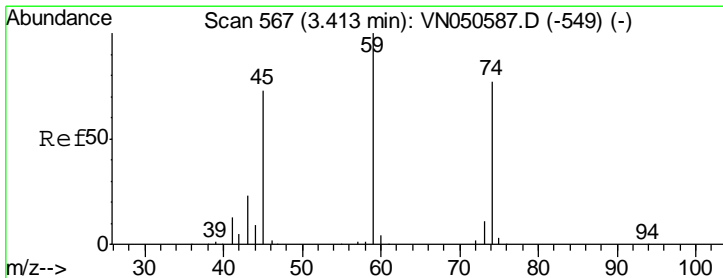
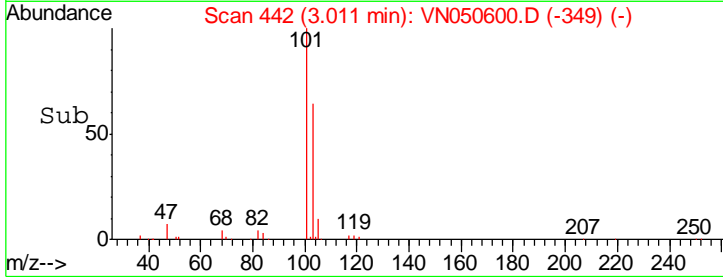
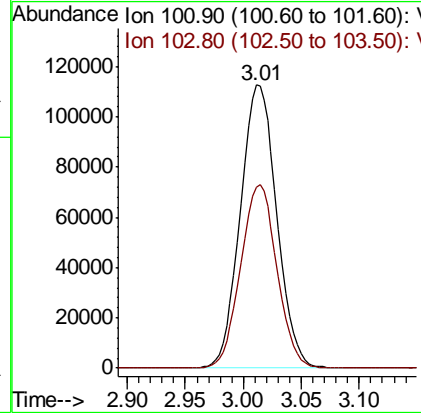
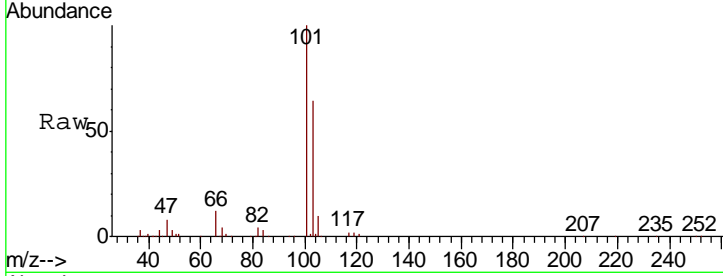
#7
 Trichlorofluoromethane
 Concen: 21.13 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
101	246055		
103	63.9	51.4	77.0

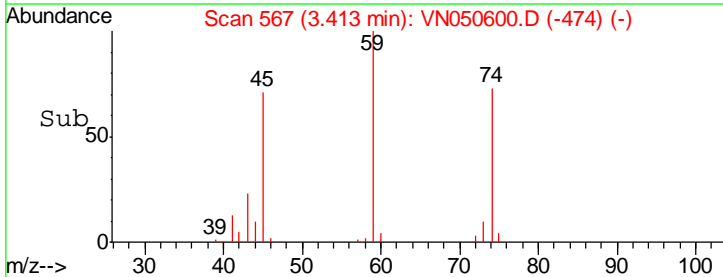
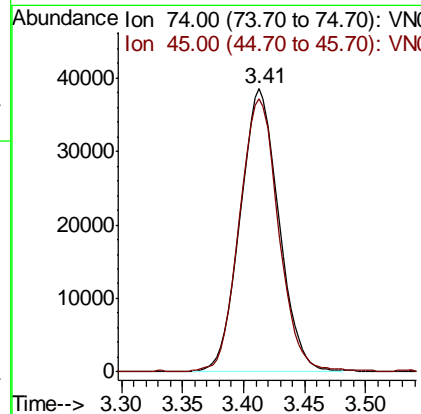
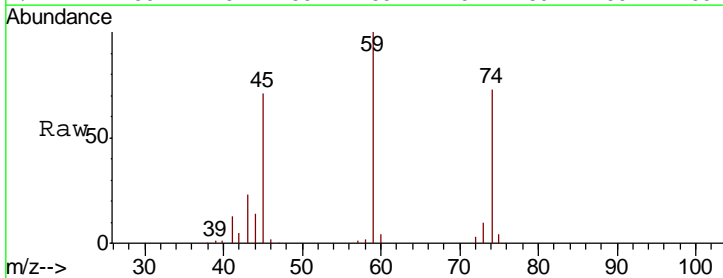
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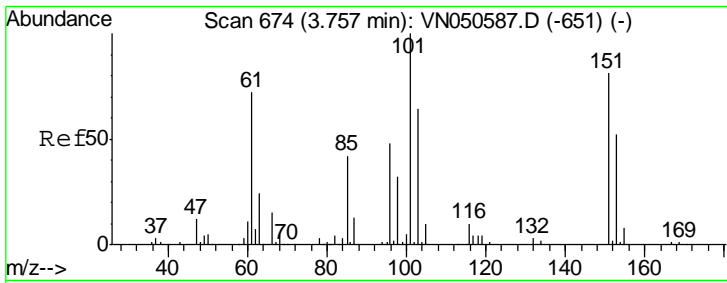
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#8
 Diethyl Ether
 Concen: 21.79 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
74	84427		
45	97.7	48.0	144.2





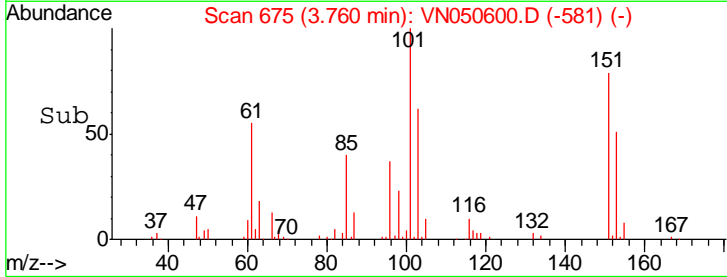
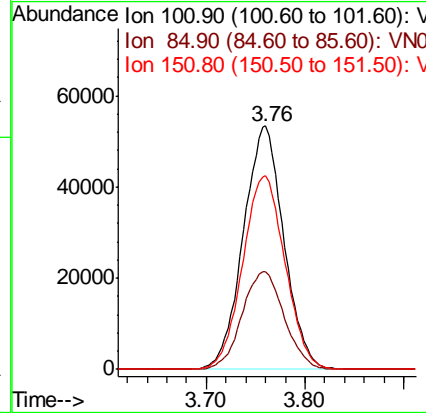
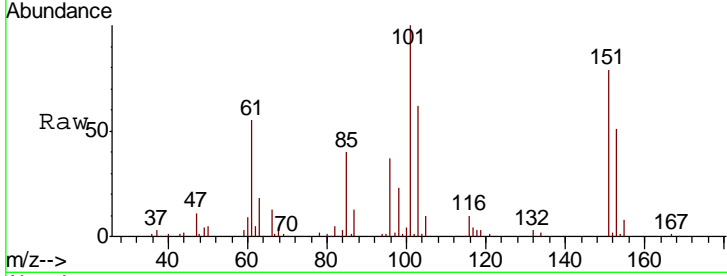
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.52 ug/l
 RT: 3.76 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
101	151578		
101	100		
85	41.7	33.4	50.0
151	83.2	66.6	100.0

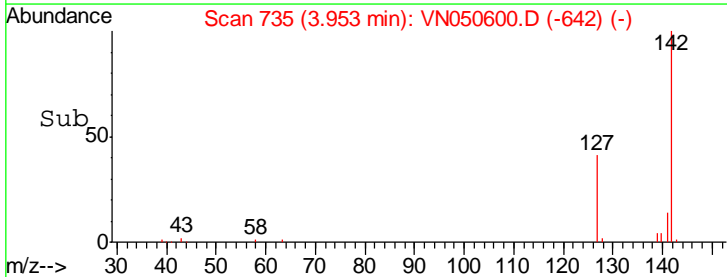
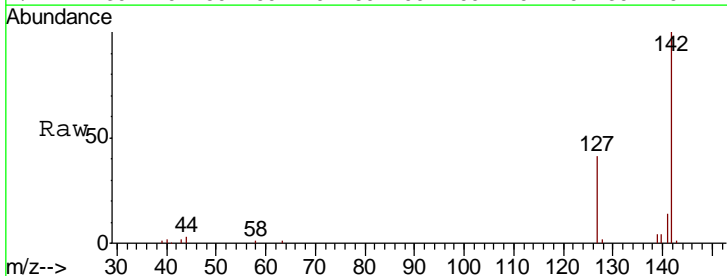
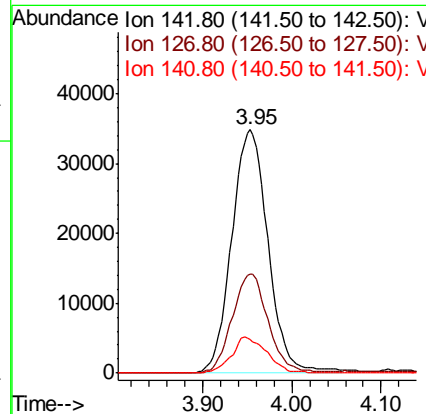
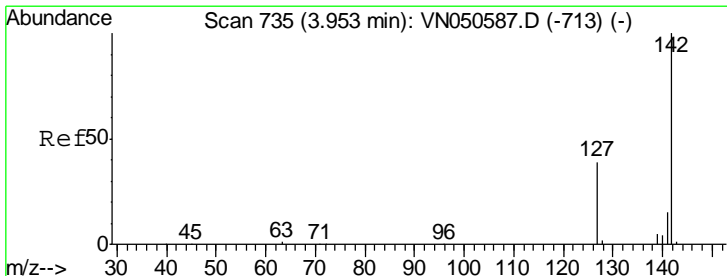
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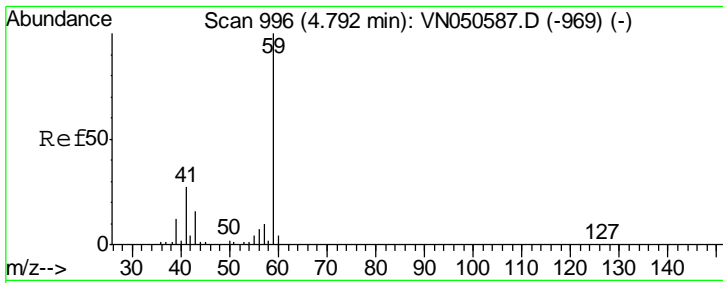
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#10
 Methyl Iodide
 Concen: 23.87 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
142	98377		
142	100		
127	40.1	32.6	49.0
141	14.4	11.5	17.3





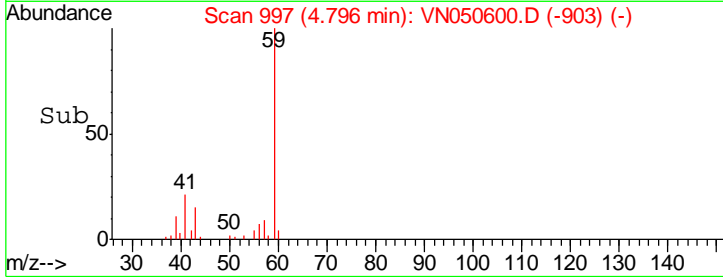
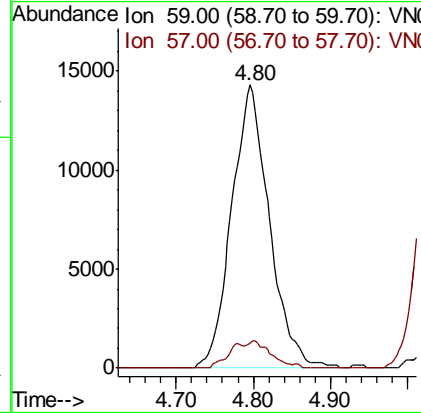
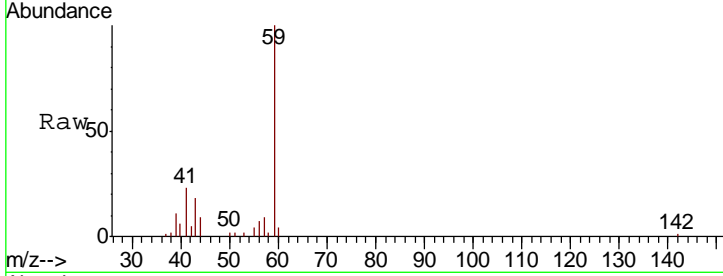
#11
 Tert butyl alcohol
 Concen: 118.60 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
59	48385		
57	0.0	8.4	12.6#

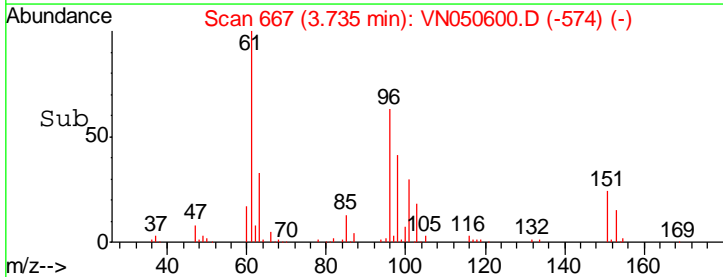
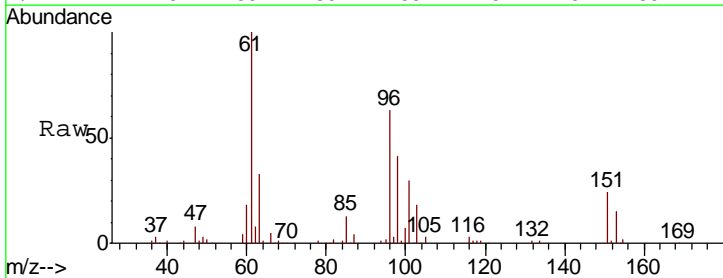
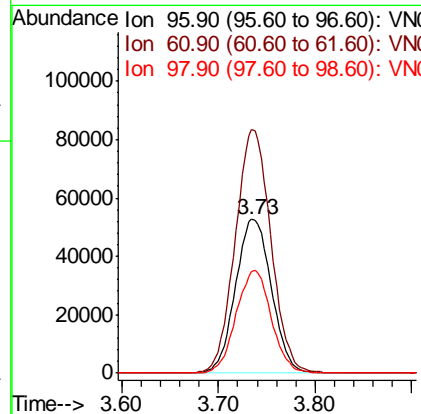
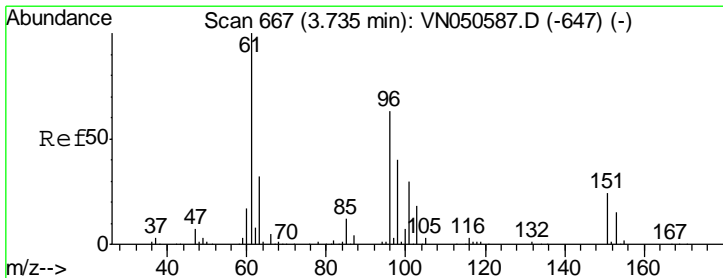
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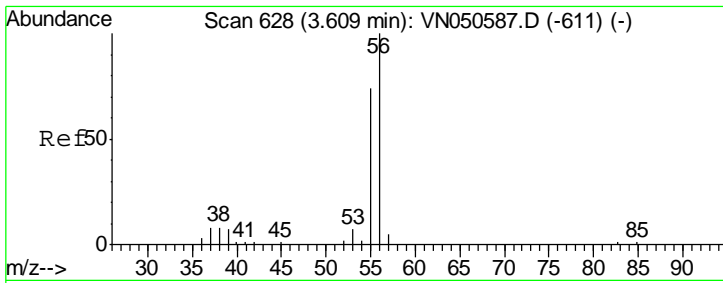
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#12
 1,1-Dichloroethene
 Concen: 21.20 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
96	136349		
61	158.2	126.9	190.3
98	65.6	51.1	76.7





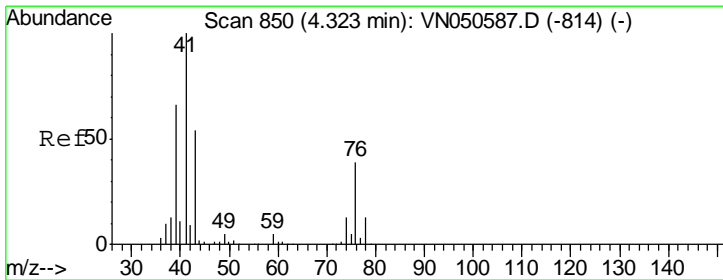
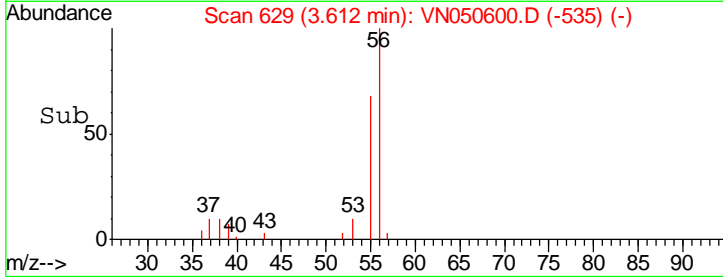
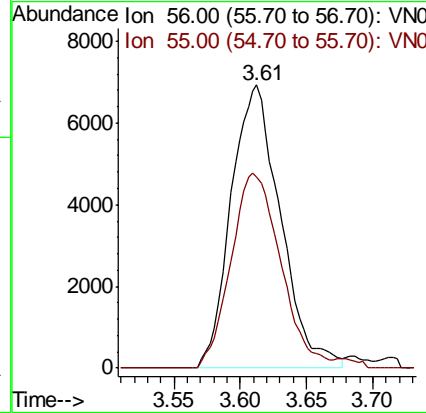
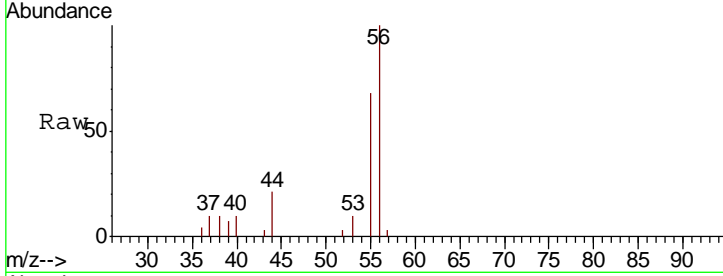
#13
 Acrolein
 Concen: 109.75 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 Client Sampled : VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
56	17933		
55	69.5	56.3	84.5

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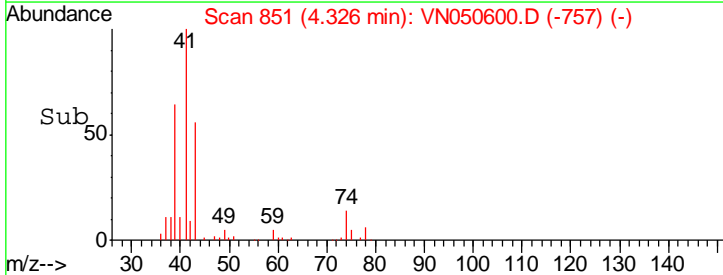
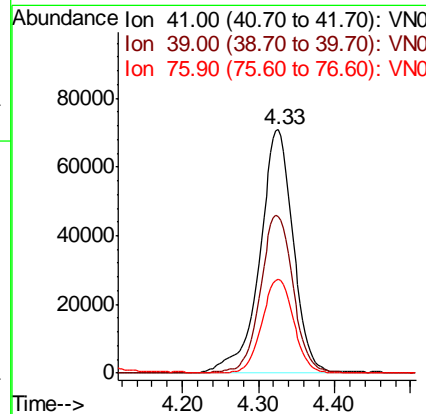
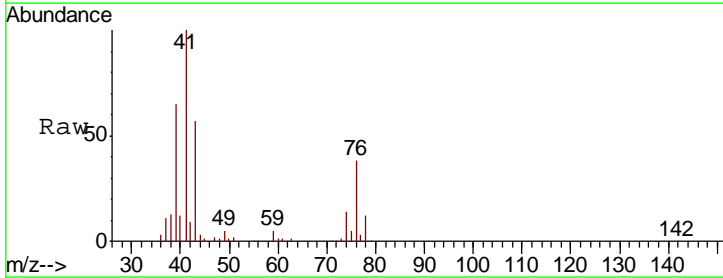
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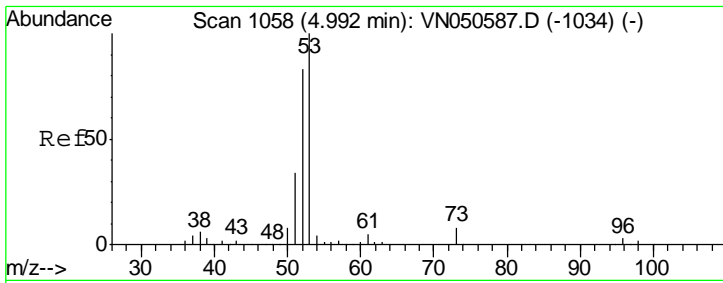


#14
 Allyl chloride
 Concen: 21.53 ug/l
 RT: 4.33 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 Client Sampled : VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
41	215393		
39	63.7	51.4	77.0
76	36.7	29.4	44.0





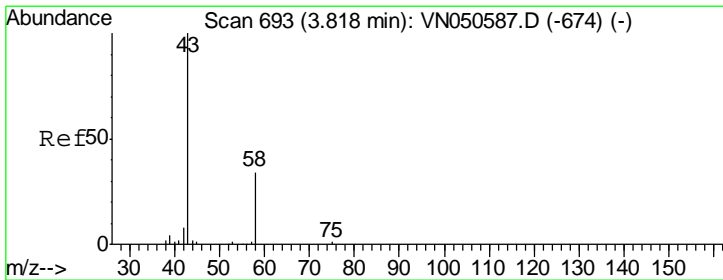
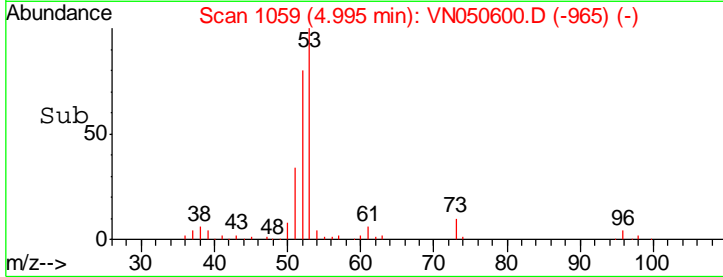
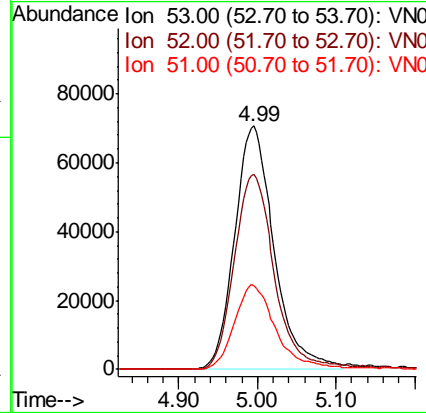
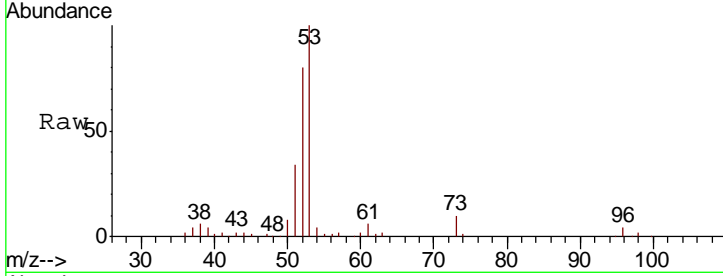
#15
 Acrylonitrile
 Concen: 110.84 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
53	100		
52	81.3	66.2	99.2
51	36.0	28.6	43.0

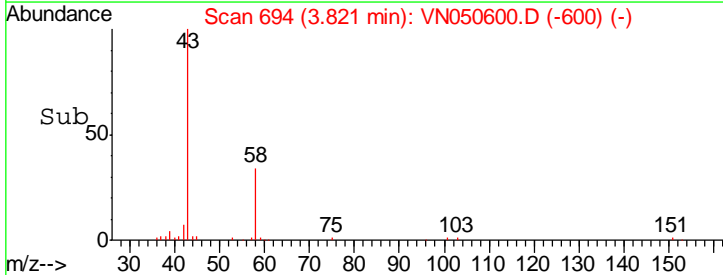
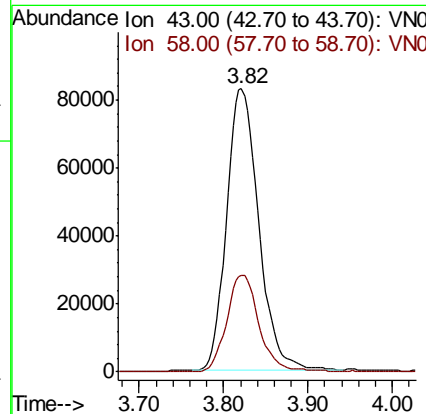
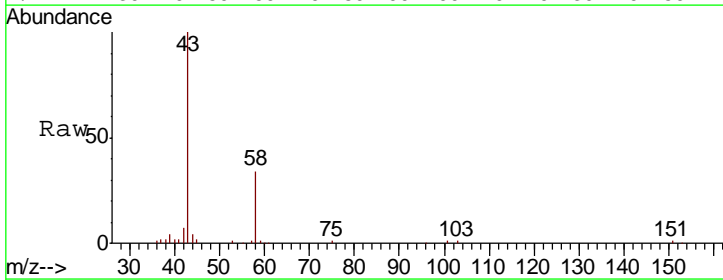
Manual Integrations
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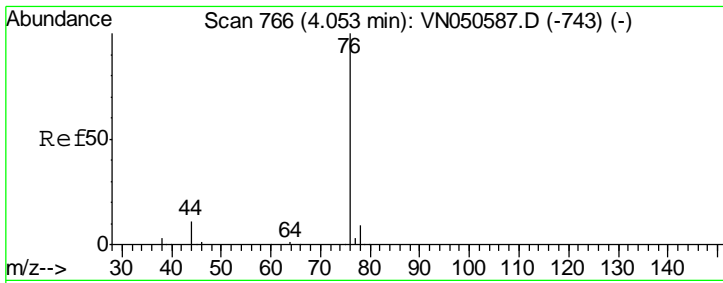
MMDadoda
 8/15/2018 3:31:31 PM



#16
 Acetone
 Concen: 117.24 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
43	100		
58	34.3	27.1	40.7



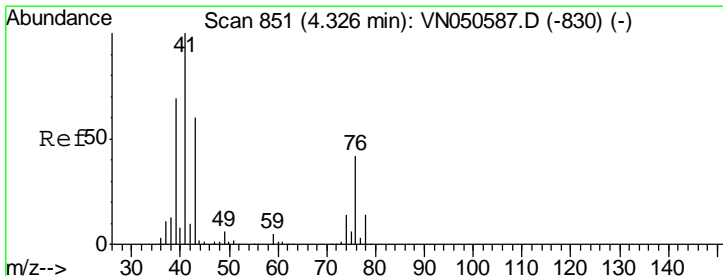
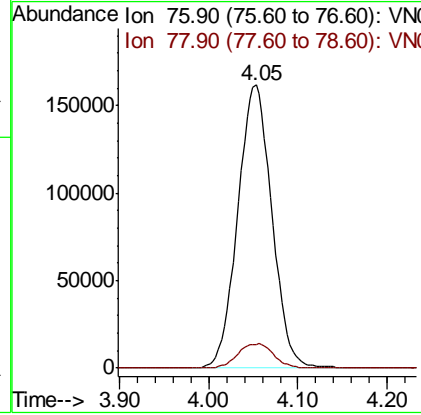
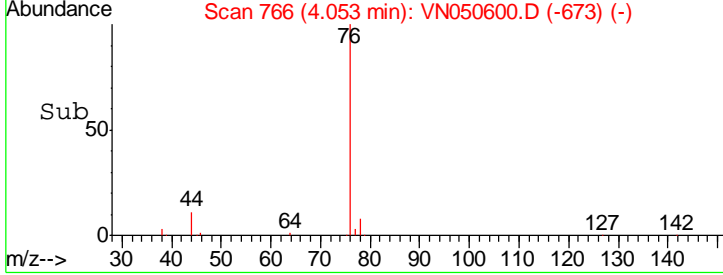
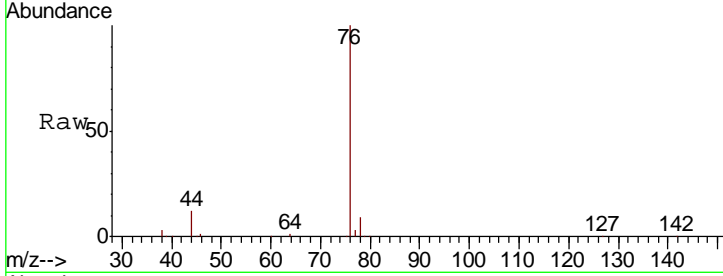


#17
 Carbon Disulfide
 Concen: 21.18 ug/l
 RT: 4.05 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
76	428734		
76	100		
78	8.5	7.3	10.9

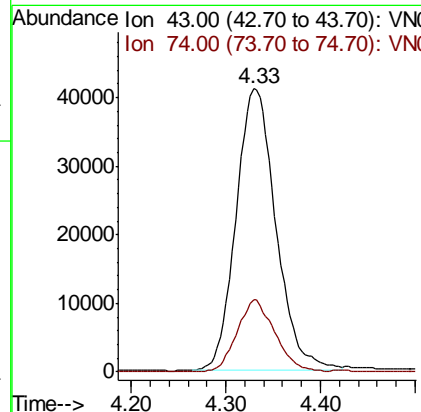
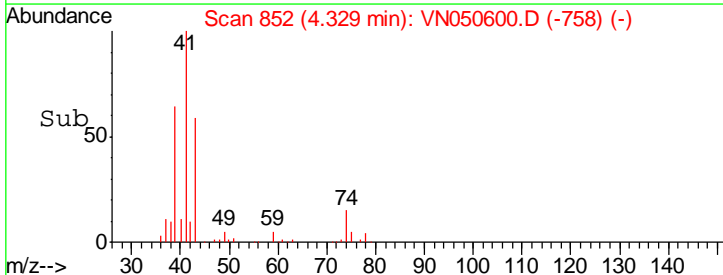
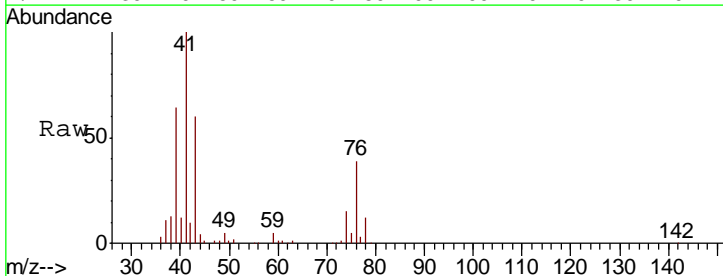
Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

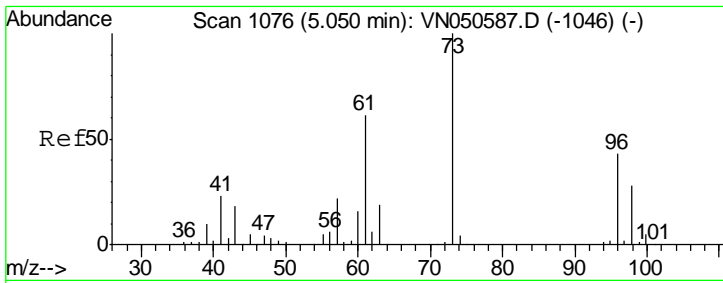
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#18
 Methyl Acetate
 Concen: 22.47 ug/l
 RT: 4.33 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
43	120774		
43	100		
74	24.3	19.7	29.5



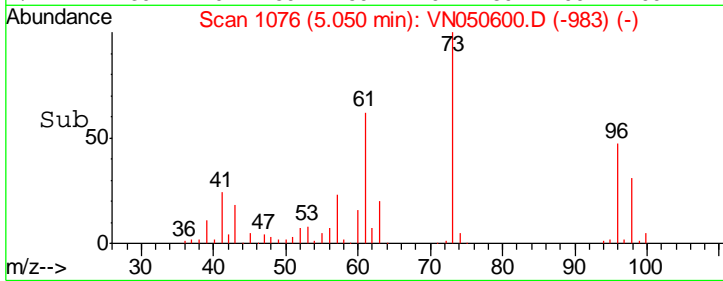
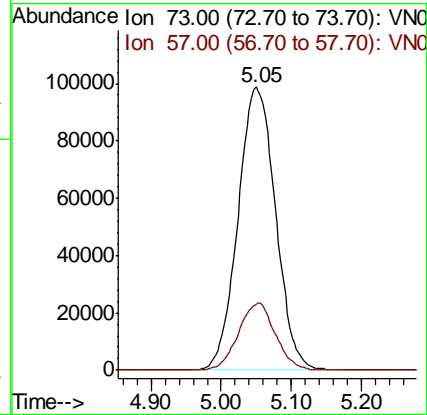
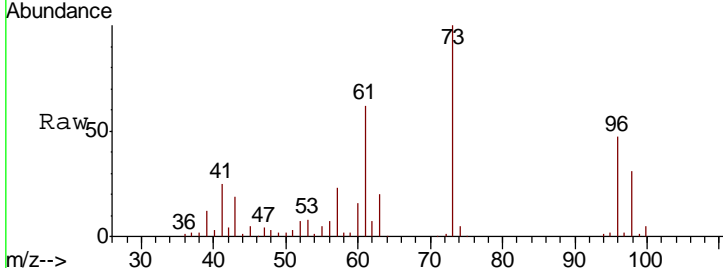


#19
 Methyl tert-butyl Ether
 Concen: 22.40 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

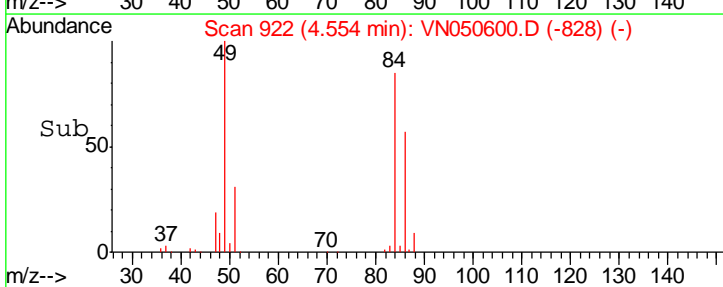
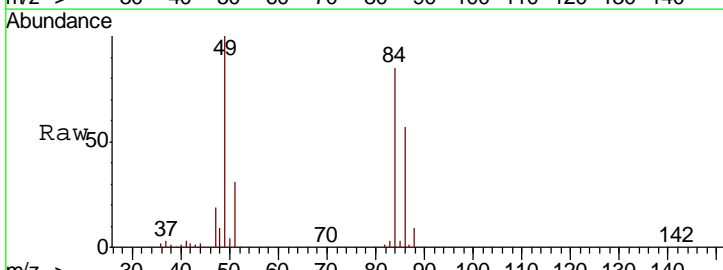
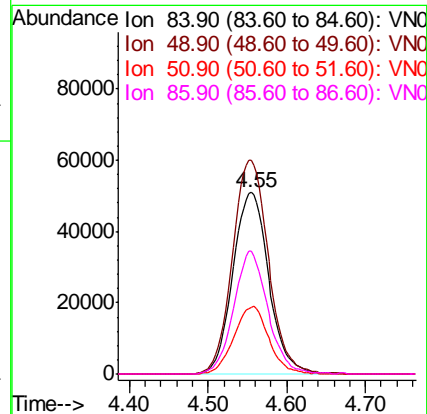
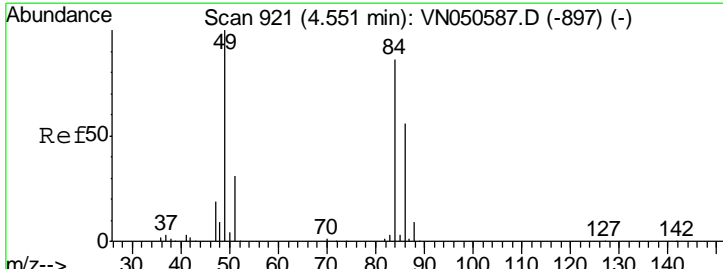
Tgt Ion	Resp	Lower	Upper
73	366645		
73	100		
57	23.5	17.9	26.9

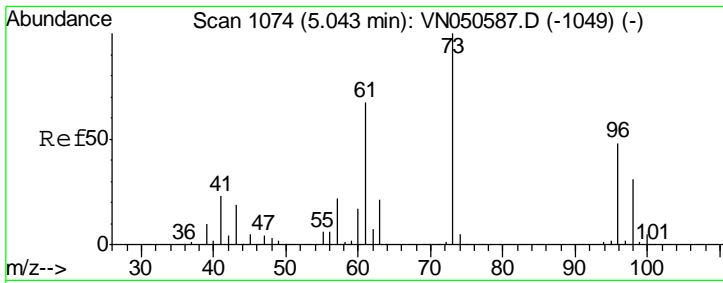
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#20
 Methylene Chloride
 Concen: 22.10 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
84	162000		
84	100		
49	117.6	92.6	138.8
51	36.8	28.6	43.0
86	67.6	52.2	78.2



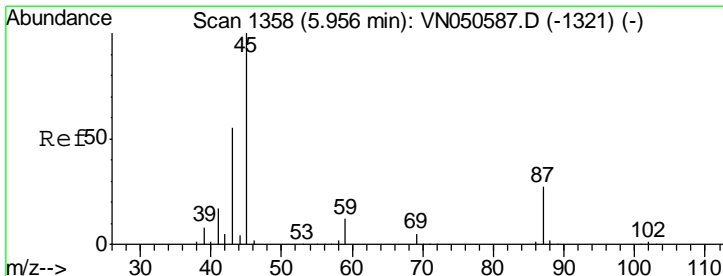
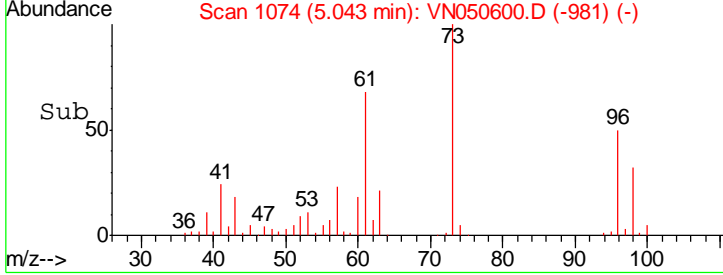
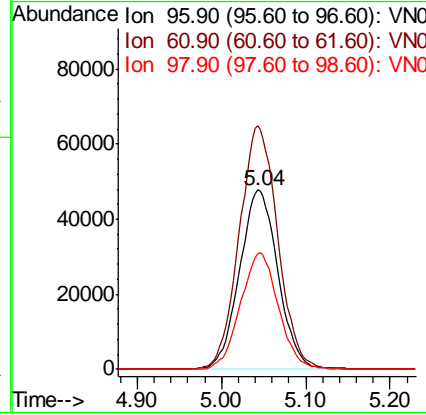
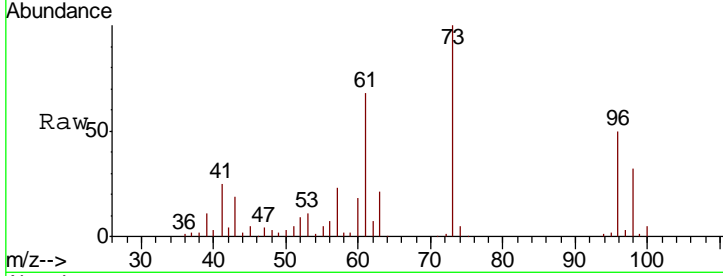


#21
 trans-1,2-Dichloroethene
 Concen: 21.71 ug/l
 RT: 5.04 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

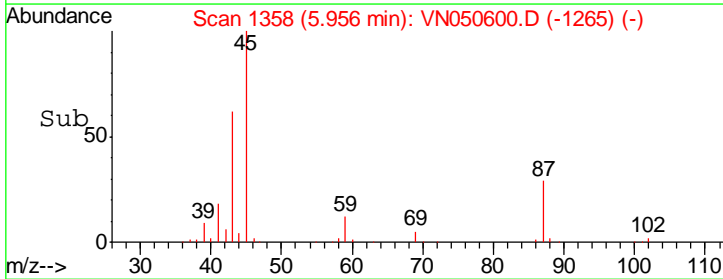
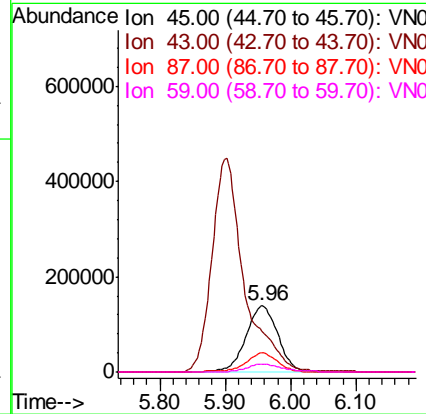
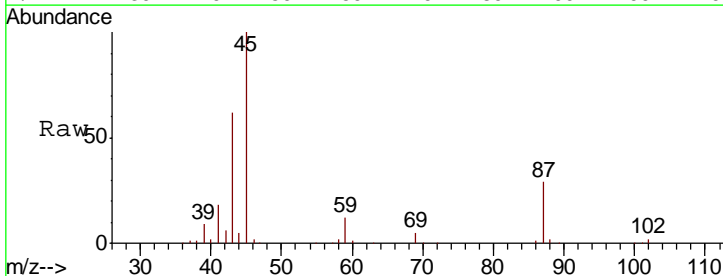
Tgt Ion	Resp	Lower	Upper
96	151363		
96	100		
61	135.6	111.2	166.8
98	64.3	51.6	77.4

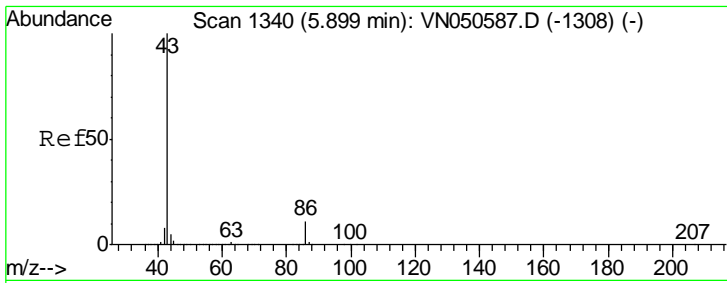
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#22
 Diisopropyl ether
 Concen: 23.04 ug/l
 RT: 5.96 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
45	472623		
45	100		
43	60.5	44.5	66.7
87	28.9	22.2	33.2
59	12.0	9.5	14.3





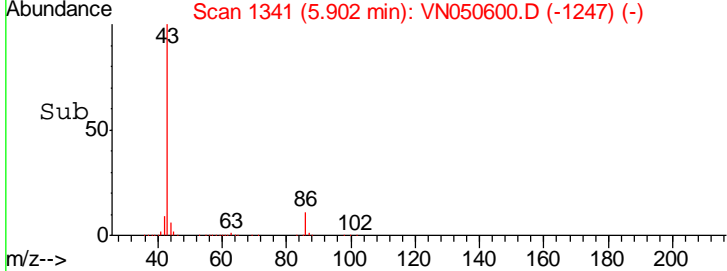
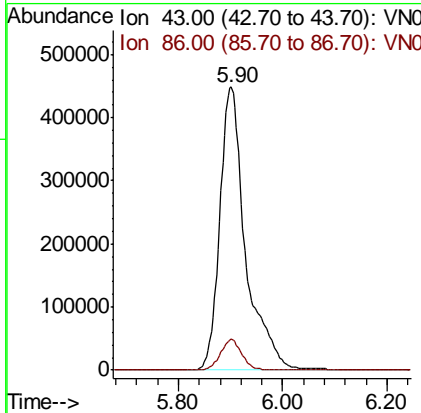
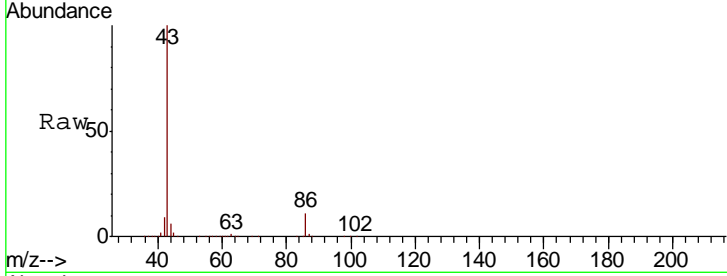
#23
 Vinyl Acetate
 Concen: 115.01 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

Tgt Ion: 43 Resp: 1543147

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.4	12.6

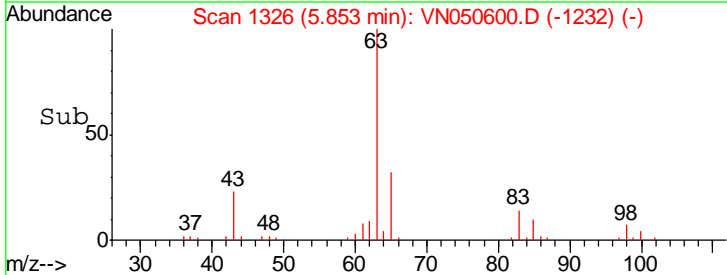
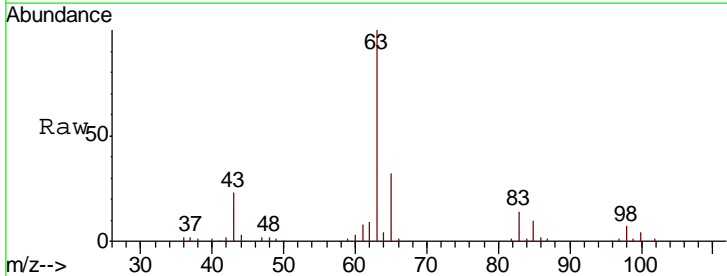
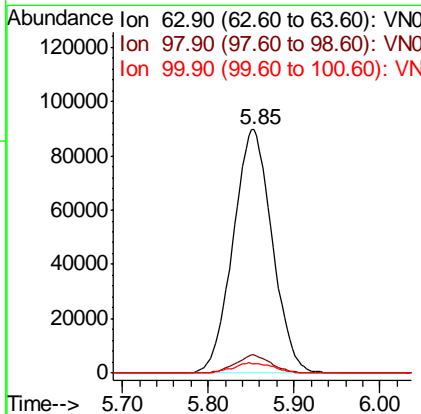
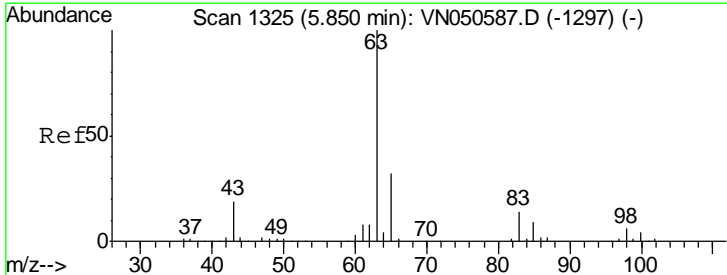
Manual Integrations
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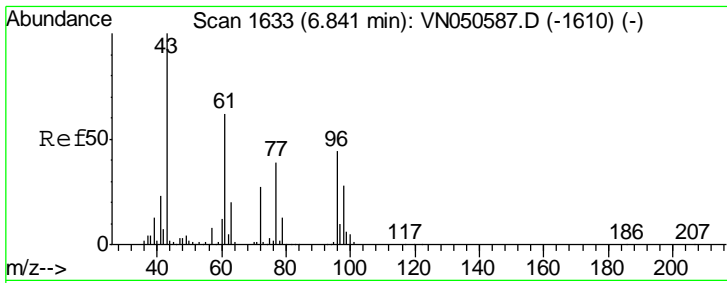


#24
 1,1-Dichloroethane
 Concen: 21.33 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion: 63 Resp: 283119

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.2	9.6
100	4.1	2.1	6.5





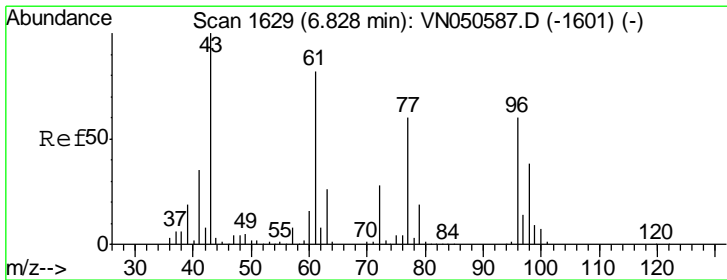
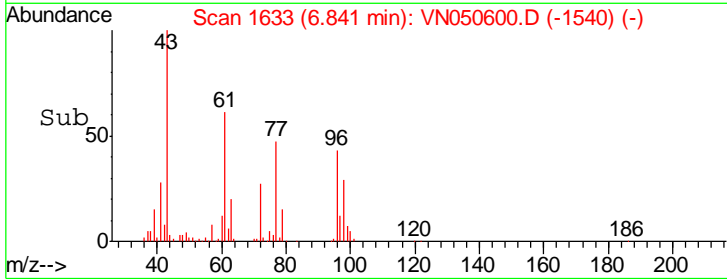
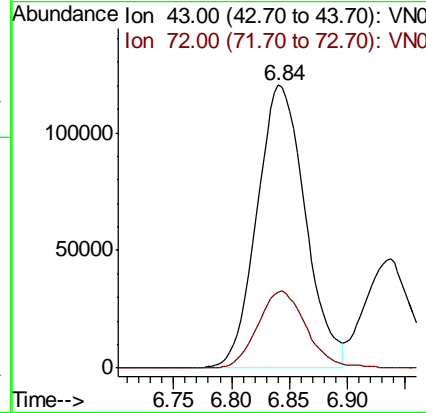
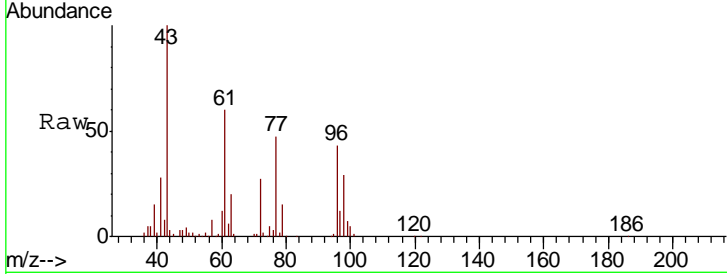
#25
 2-Butanone
 Concen: 113.33 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
43	100		
72	27.0	21.8	32.6

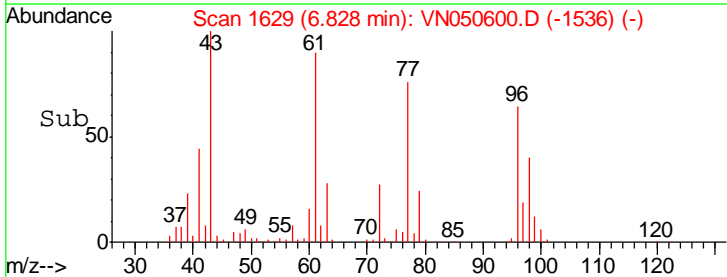
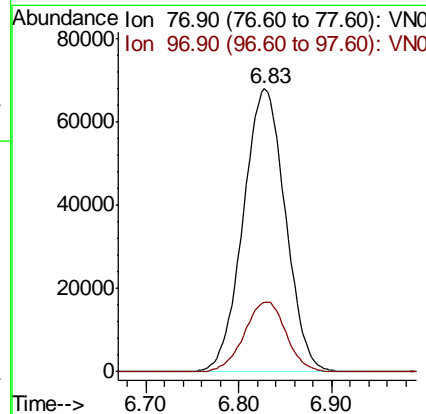
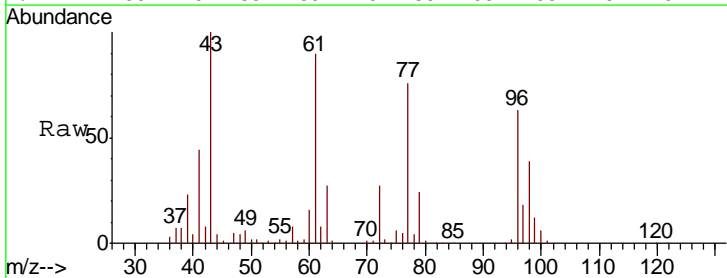
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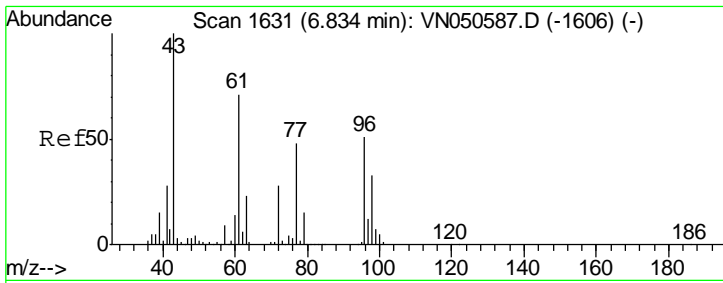
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#26
 2,2-Dichloropropane
 Concen: 24.18 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
77	100		
97	24.5	12.2	36.4



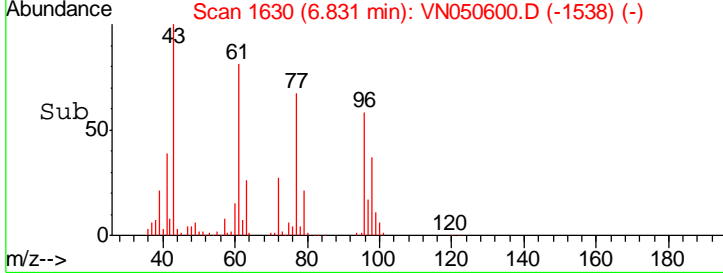
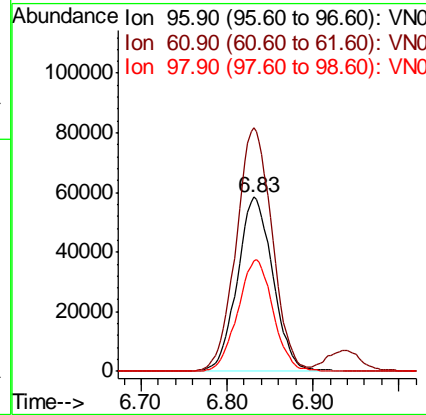
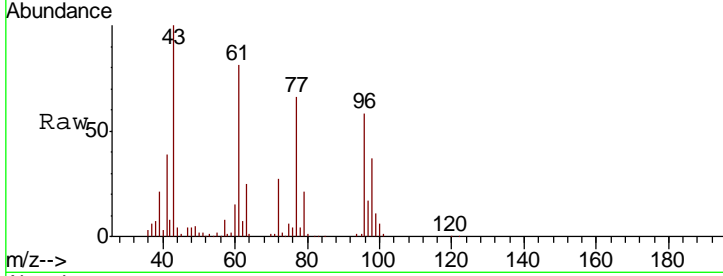


#27
 cis-1,2-Dichloroethene
 Concen: 21.62 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

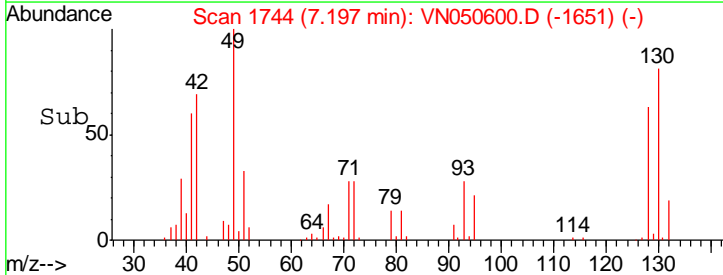
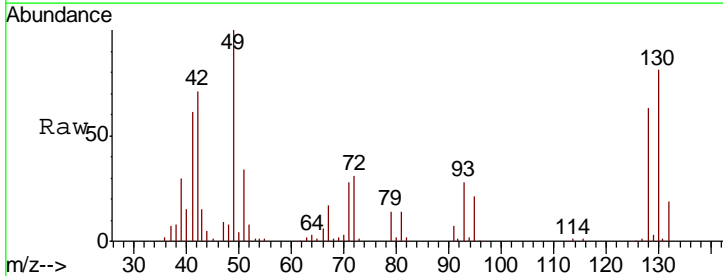
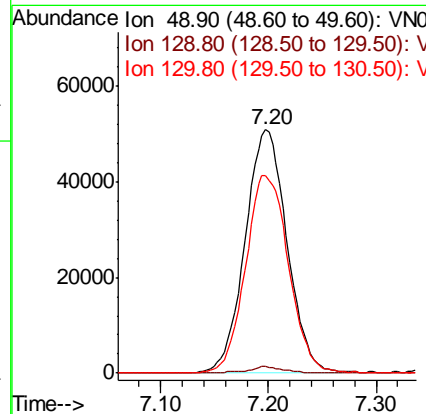
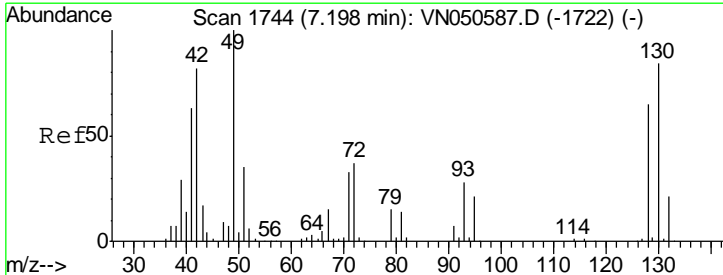
Tgt Ion	Resp	Lower	Upper
96	167889		
96	100		
61	141.4	0.0	278.2
98	63.8	0.0	128.8

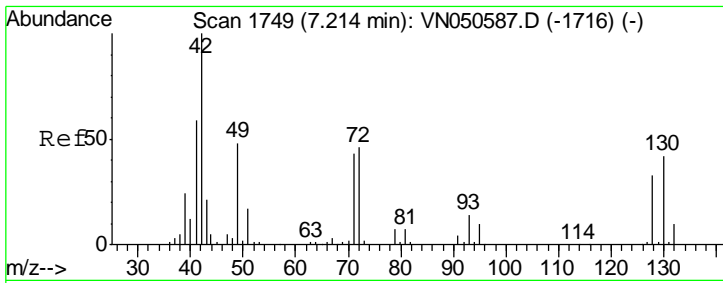
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#28
 Bromochloromethane
 Concen: 22.73 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
49	137305		
49	100		
129	2.2	0.0	4.2
130	83.4	66.8	100.2



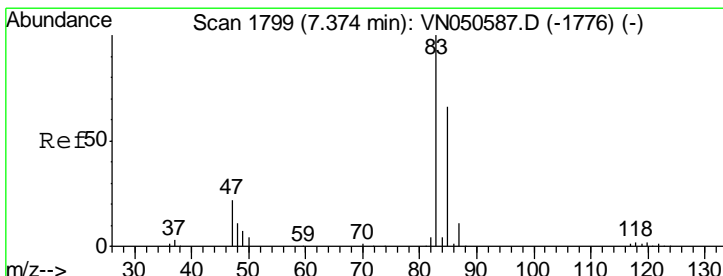
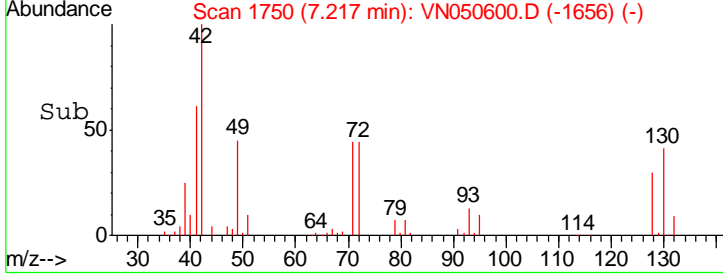
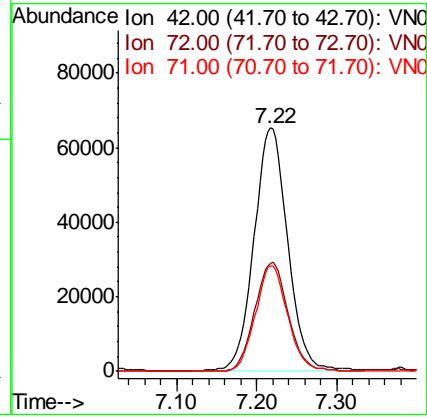
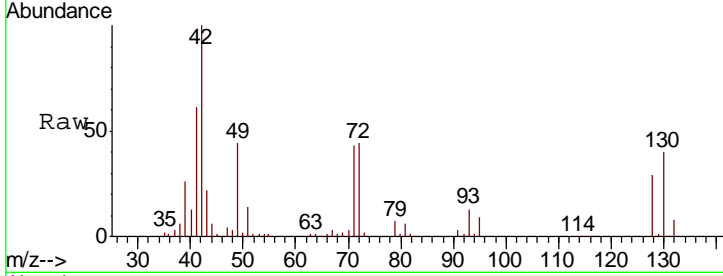


#29
 Tetrahydrofuran
 Concen: 117.95 ug/l
 RT: 7.22 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

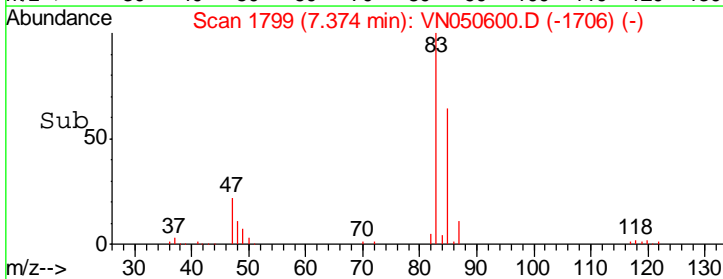
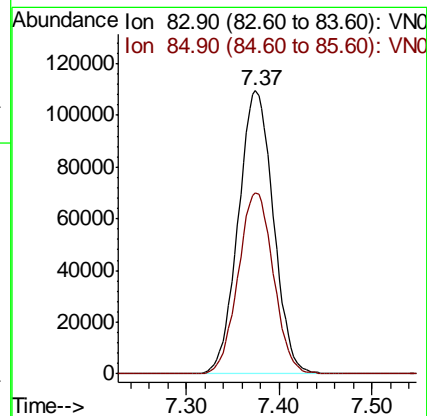
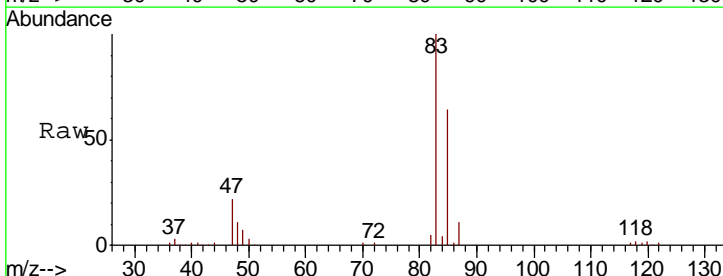
Tgt Ion	Resp	Lower	Upper
42	188651		
42	100		
72	44.4	35.8	53.6
71	41.4	33.4	50.0

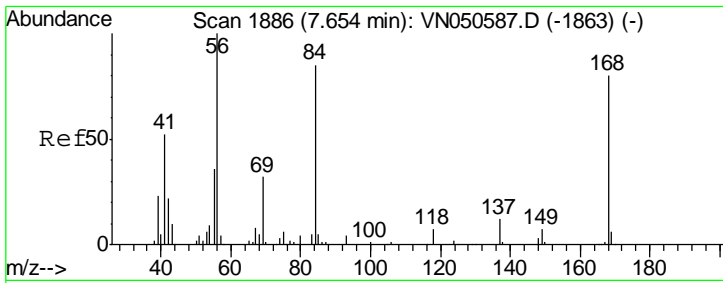
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#30
 Chloroform
 Concen: 21.40 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
83	287799		
83	100		
85	64.1	52.5	78.7



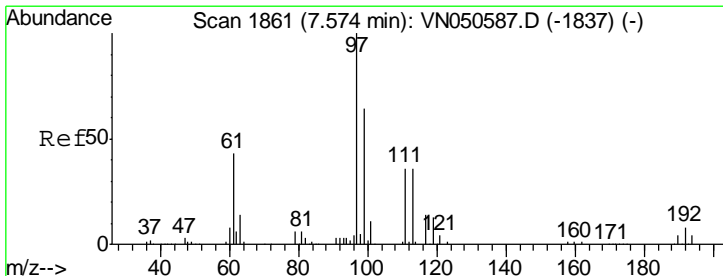
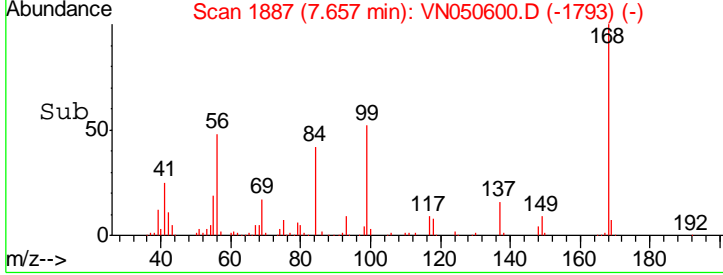
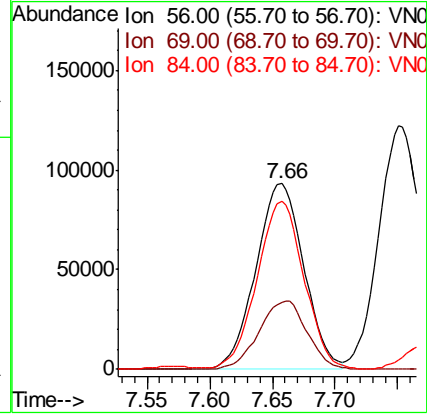
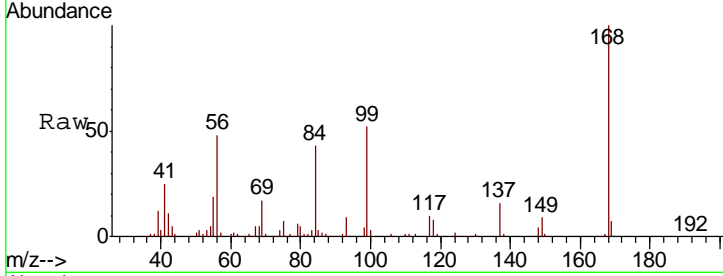


#31
 Cyclohexane
 Concen: 21.74 ug/l
 RT: 7.66 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
56	100		
69	36.1	25.8	38.6
84	89.4	67.8	101.6

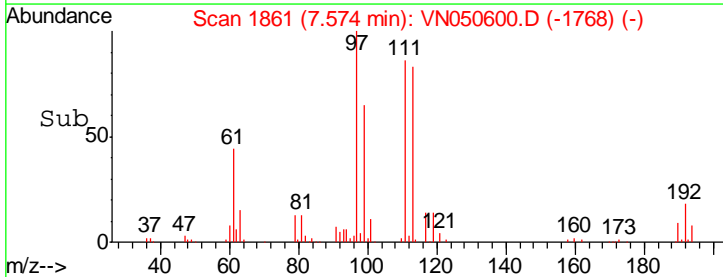
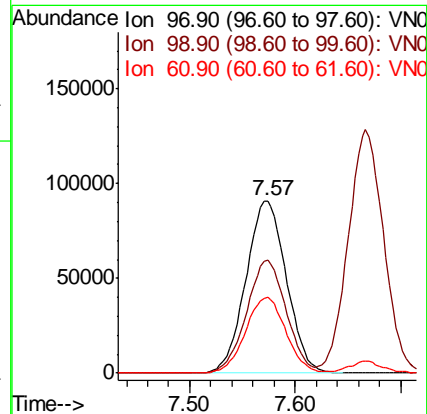
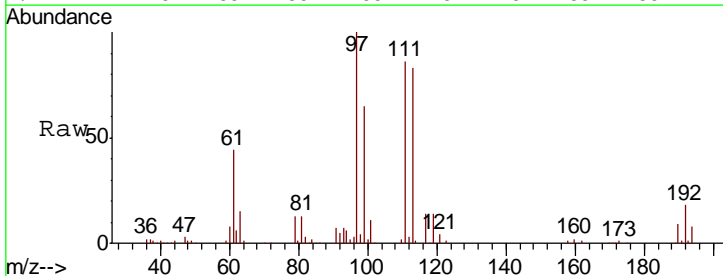
Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

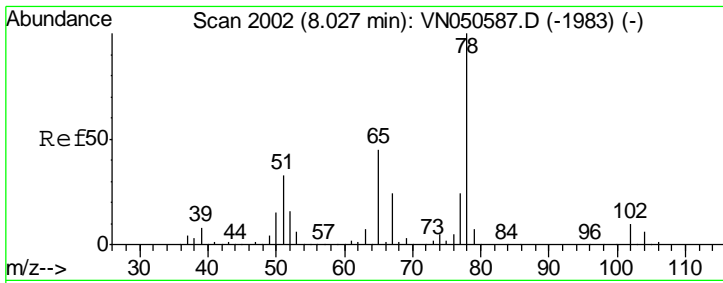
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#32
 1,1,1-Trichloroethane
 Concen: 21.43 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	43.8	34.8	52.2



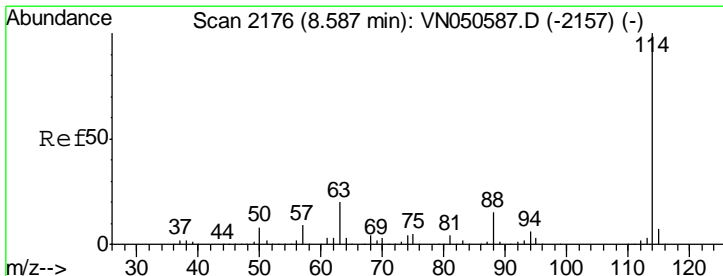
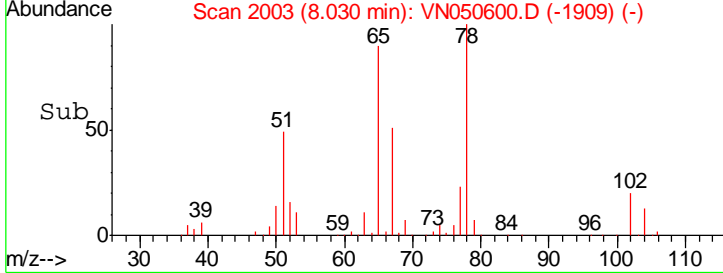
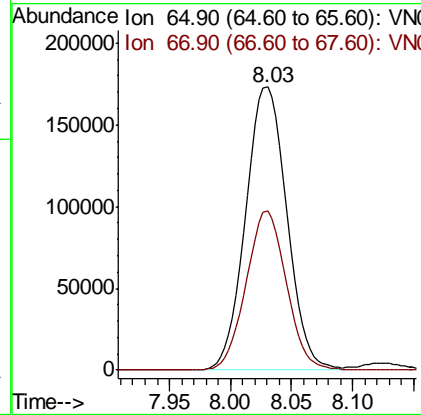
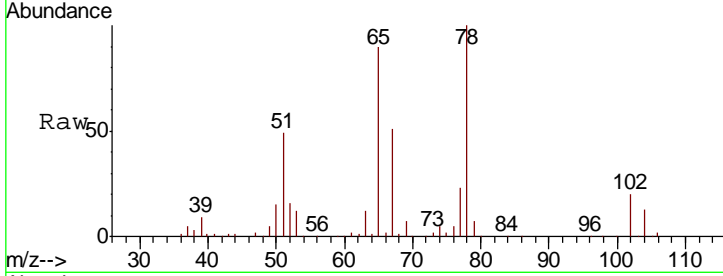


#33
 1,2-Dichloroethane-d4
 Concen: 54.31 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

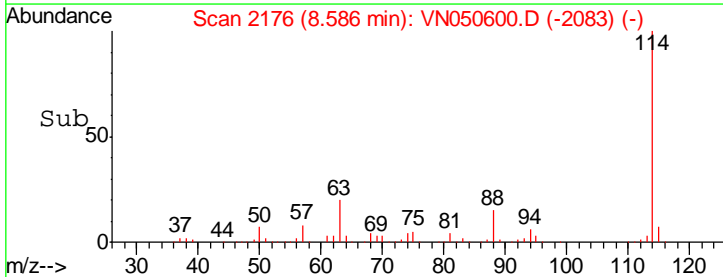
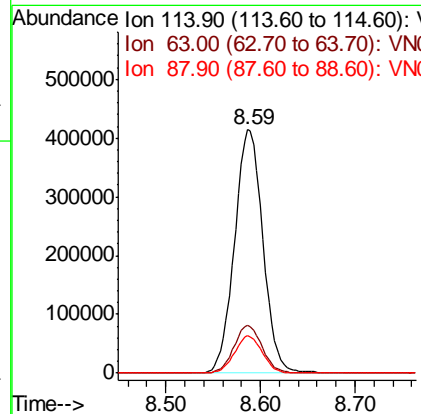
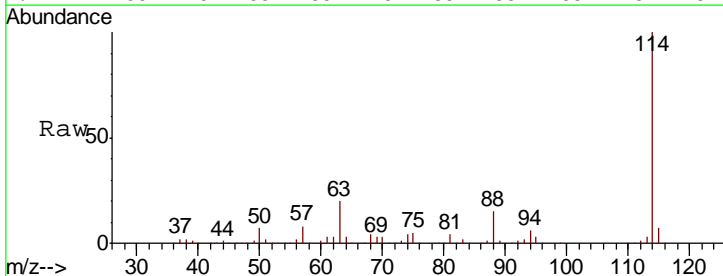
Tgt Ion	Resp	Lower	Upper
65	100		
67	54.8	0.0	109.8

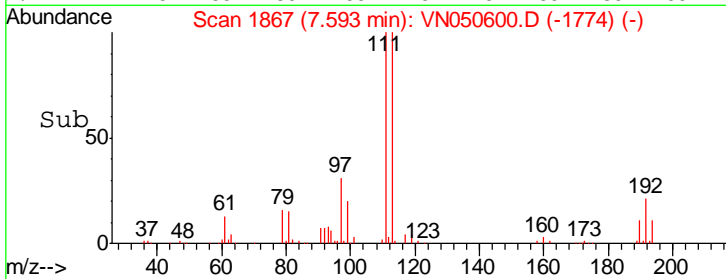
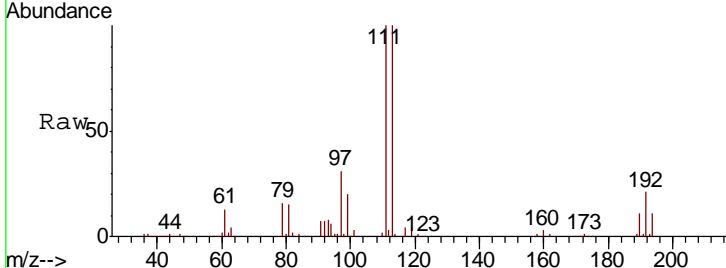
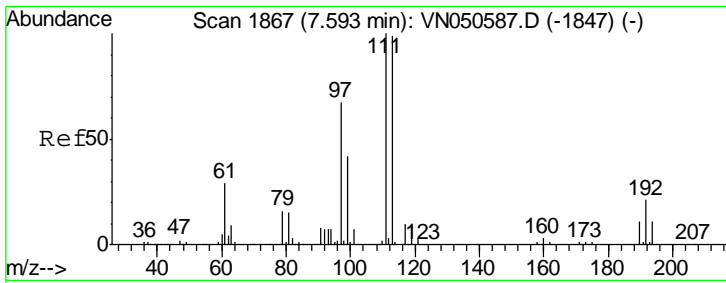
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.5	0.0	40.0
88	15.4	0.0	30.8



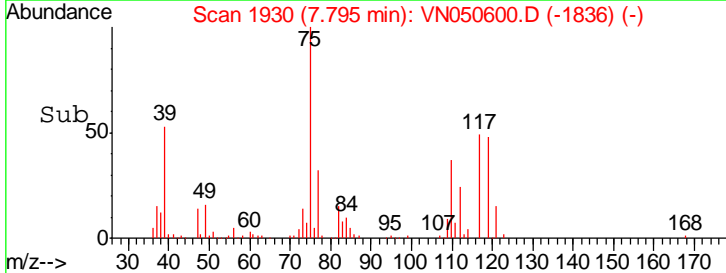
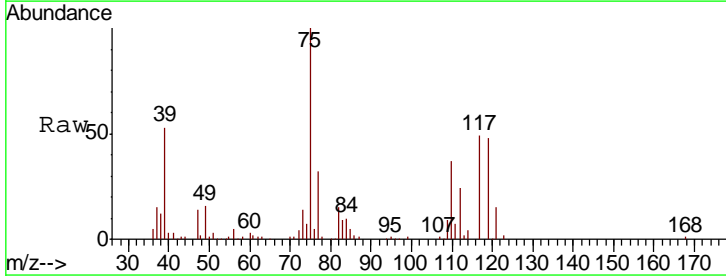
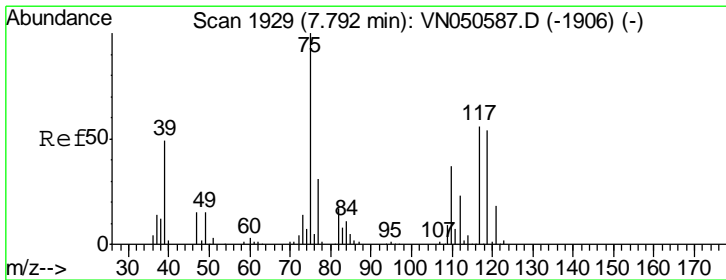
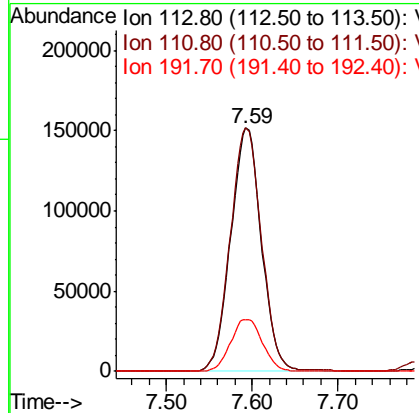


#35
 Dibromofluoromethane
 Concen: 54.53 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.2	81.0	121.6
192	22.3	17.6	26.4

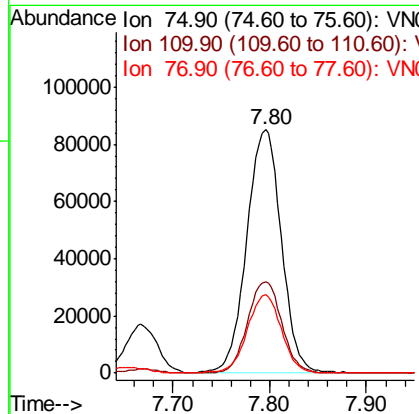
Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

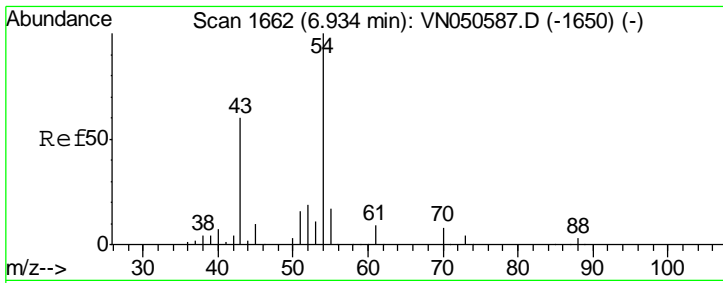
Manual Integrations
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 8/15/2018 3:31:31 PM



#36
 1,1-Dichloropropene
 Concen: 21.89 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
75	100		
110	37.3	18.3	54.9
77	32.1	25.0	37.4



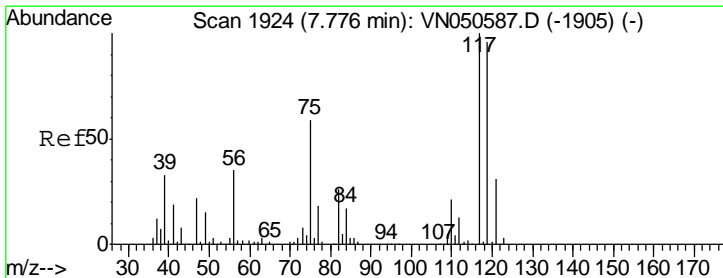
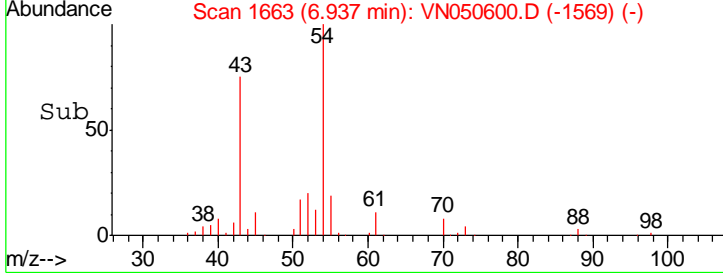
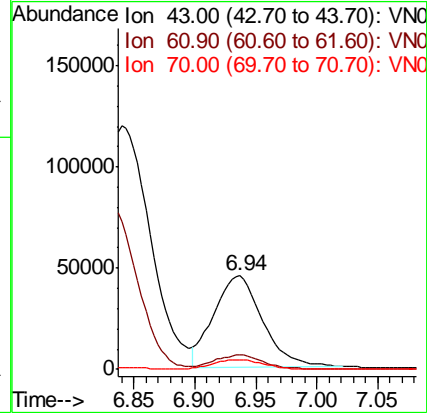
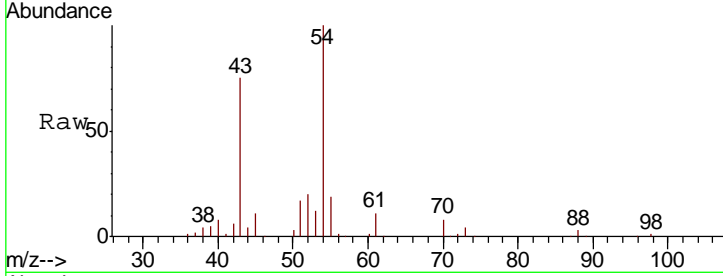


#37
Ethyl Acetate
Concen: 23.25 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument :
MSVOA_N
ClientSampled :
VN0814WBSD01

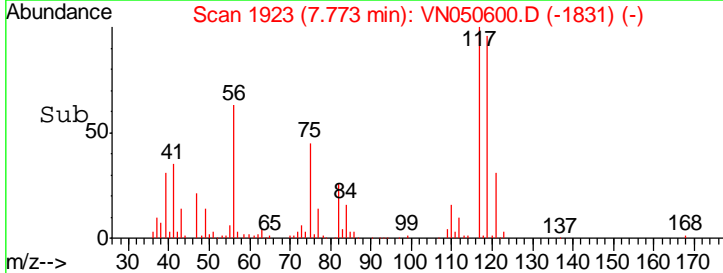
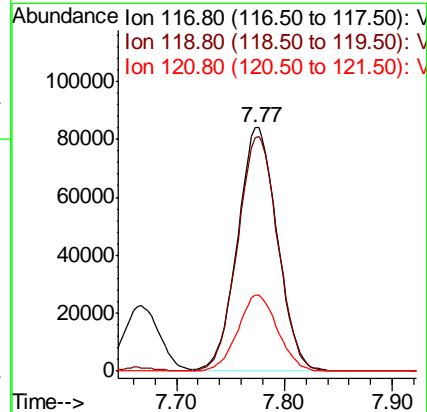
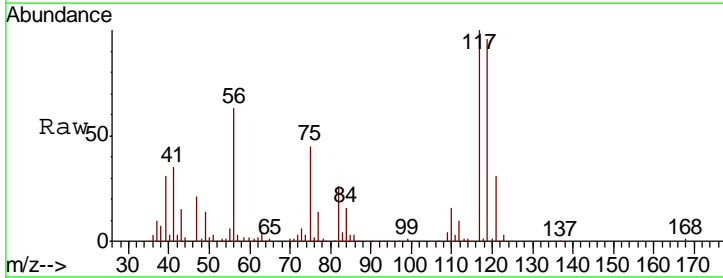
Tgt Ion	Resp	Lower	Upper
43	126247		
43	100		
61	15.2	12.0	18.0
70	11.5	8.5	12.7

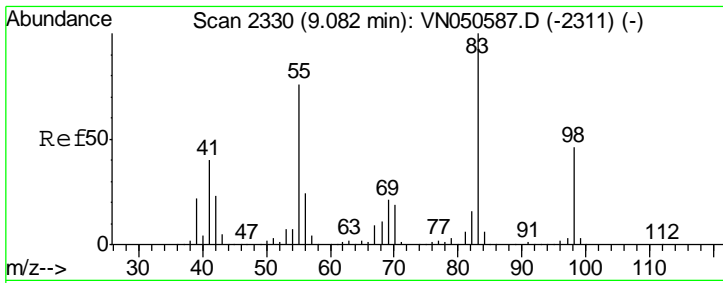
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 21.61 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
117	215358		
117	100		
119	95.7	76.6	115.0
121	31.2	25.0	37.6



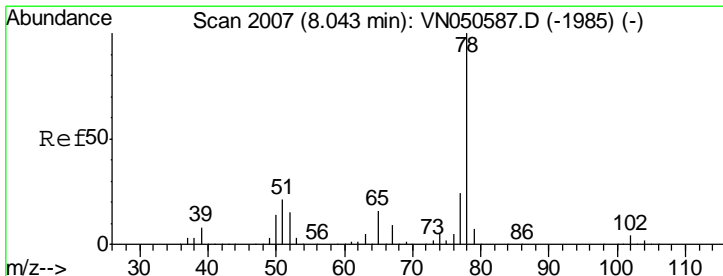
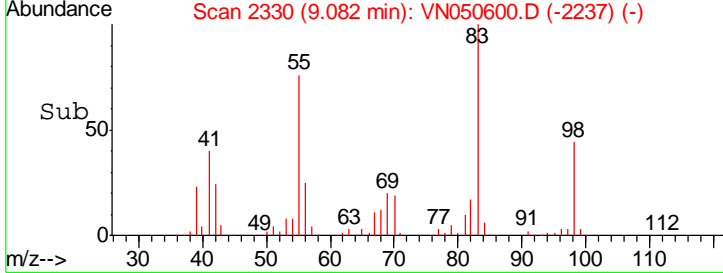
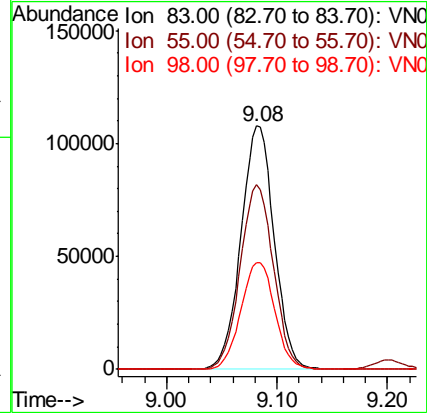
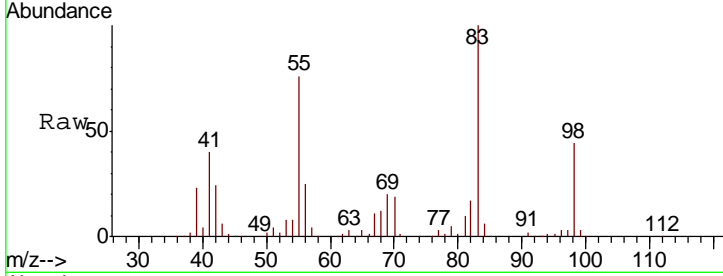


#39
 Methylcyclohexane
 Concen: 22.60 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

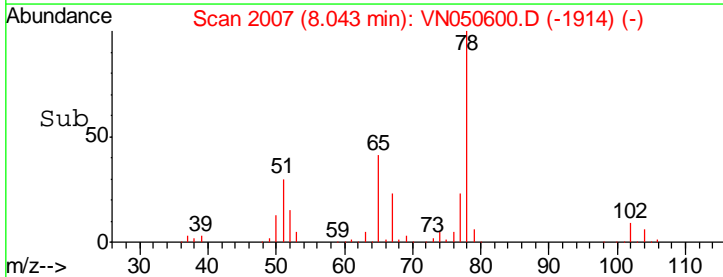
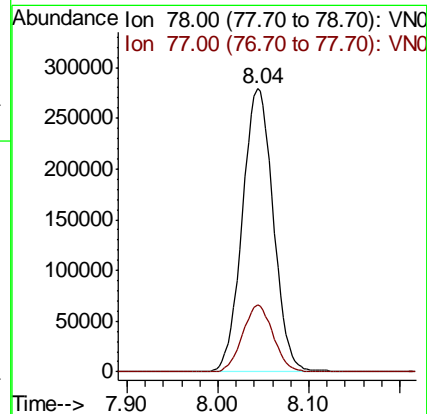
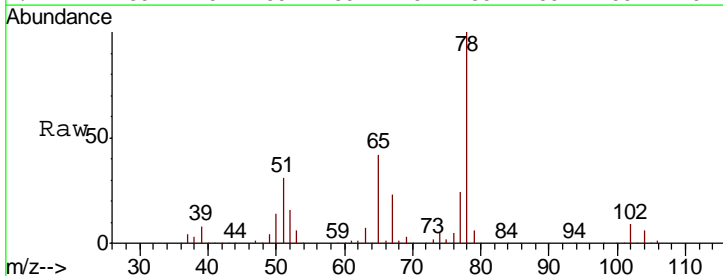
Tgt Ion	Resp	Lower	Upper
83	224715		
83	100		
55	75.9	60.6	91.0
98	44.0	37.0	55.4

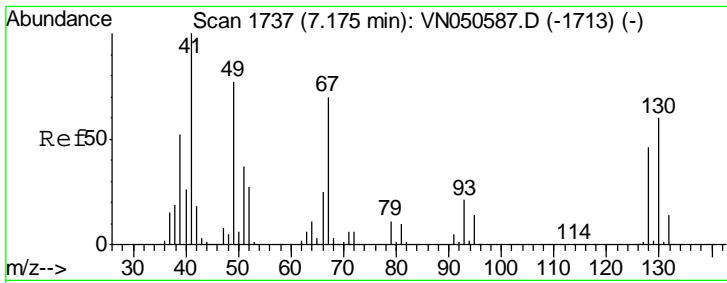
Manual Integrations
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#40
 Benzene
 Concen: 22.56 ug/l
 RT: 8.04 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
78	659193		
78	100		
77	23.6	19.0	28.6





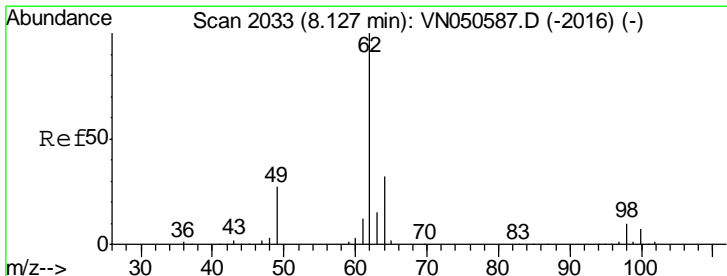
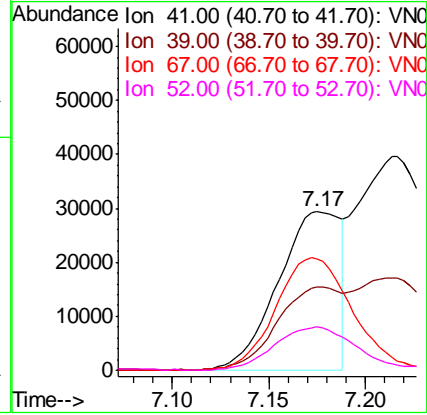
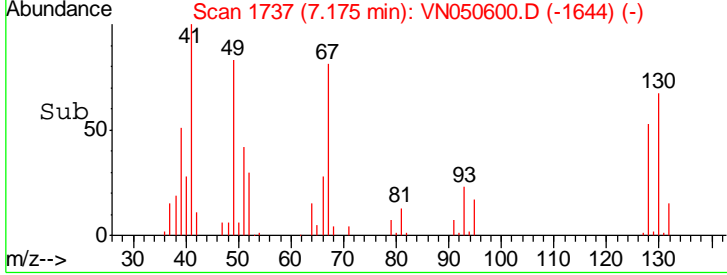
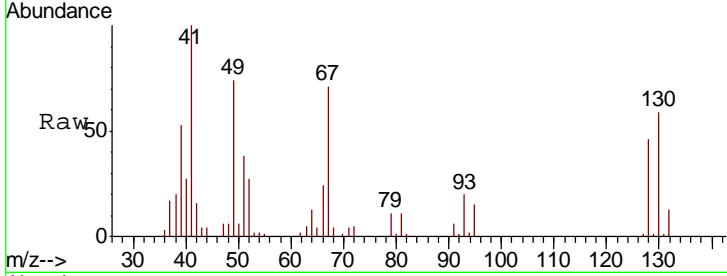
#41
 Methacrylonitrile
 Concen: 22.51 ug/l
 RT: 7.17 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion: 41 Resp: 66082

Ion	Ratio	Lower	Upper
41	100		
39	53.0	44.6	66.8
67	87.3	66.7	100.1
52	36.5	26.5	39.7

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

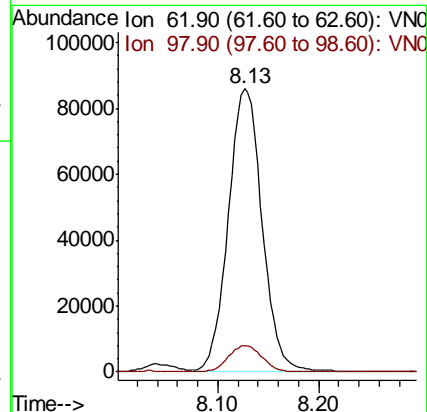
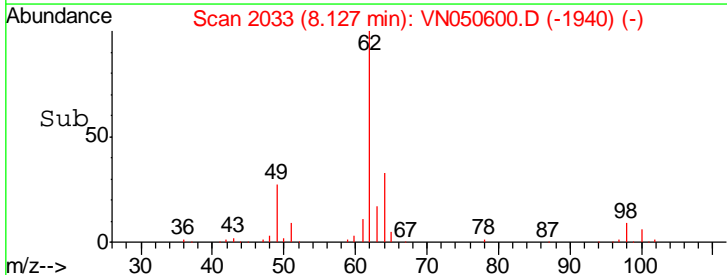
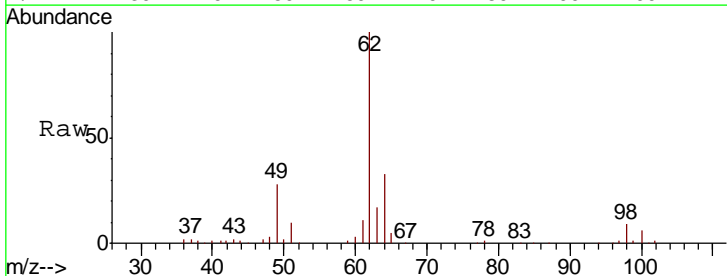
Manual Integrations
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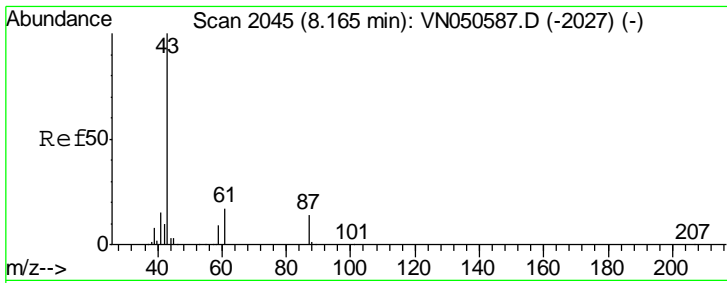


#42
 1,2-Dichloroethane
 Concen: 22.35 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion: 62 Resp: 200116

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.4





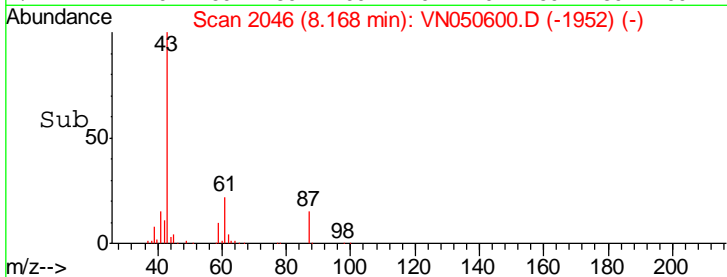
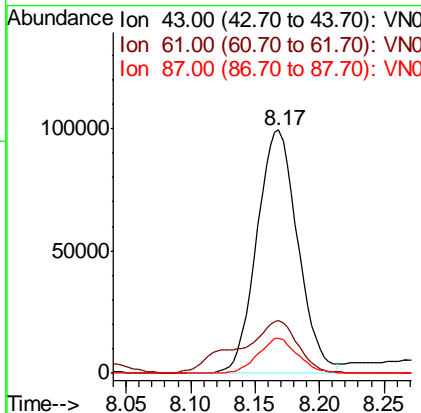
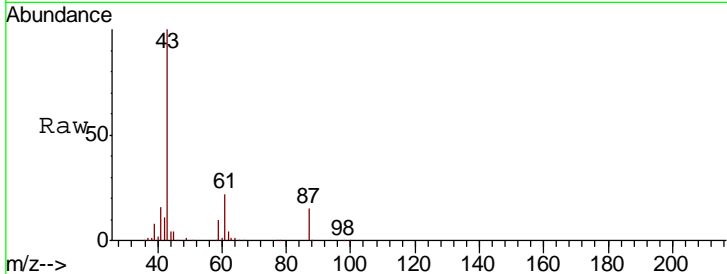
#43
 Isopropyl Acetate
 Concen: 22.19 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 Client Sampled : VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
43	100		
61	30.5	16.2	24.2#
87	14.1	10.9	16.3

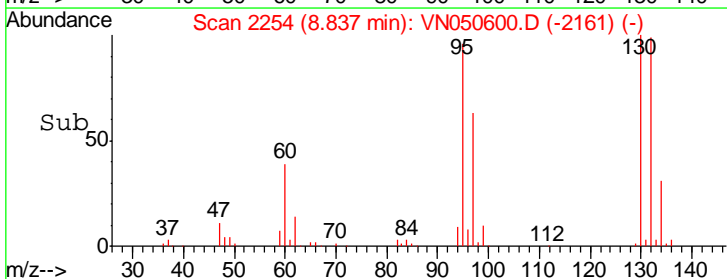
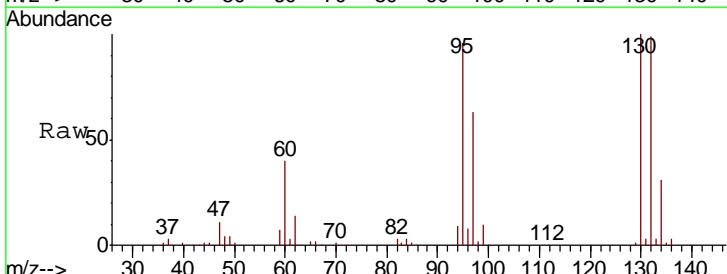
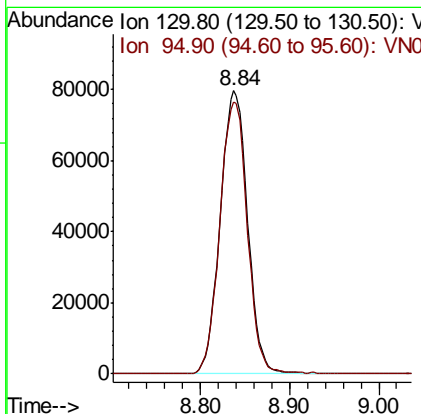
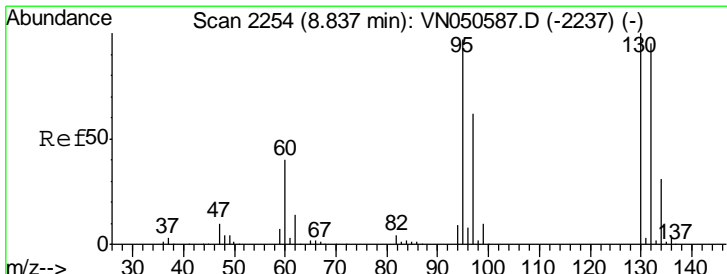
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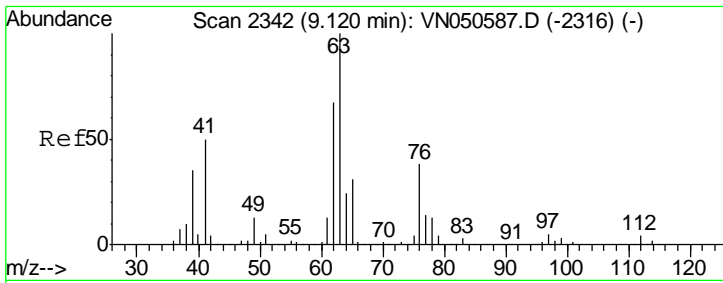
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#44
 Trichloroethene
 Concen: 21.62 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
130	100		
95	96.1	0.0	193.8



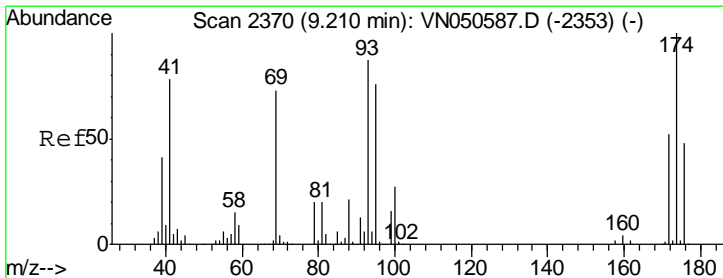
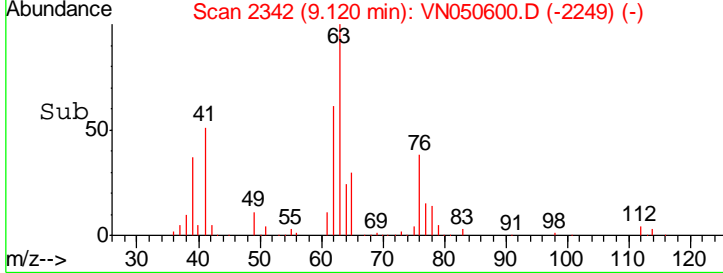
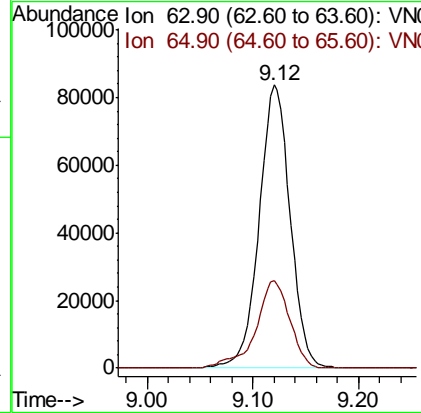
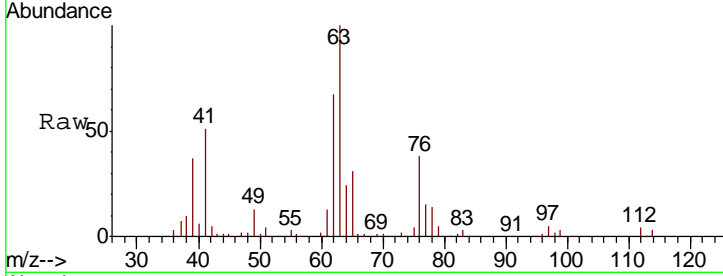


#45
 1,2-Dichloropropane
 Concen: 22.05 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

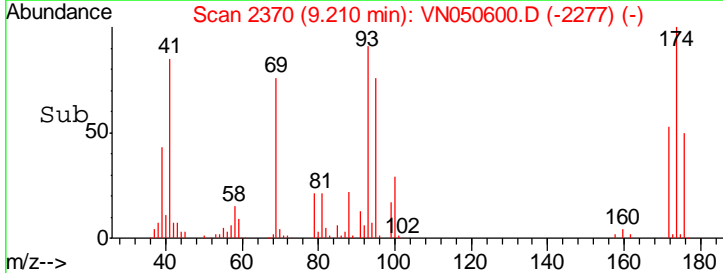
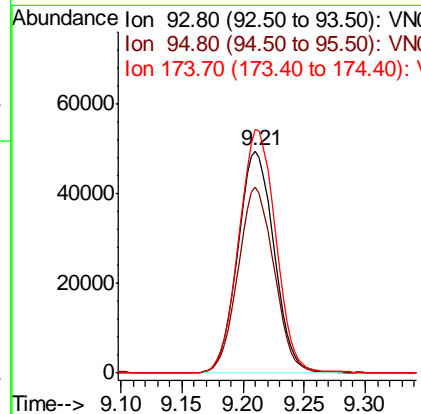
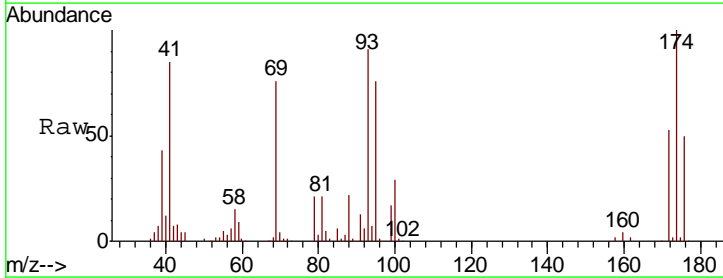
Tgt Ion	Resp	Lower	Upper
63	171531		
63	100		
65	30.8	24.5	36.7

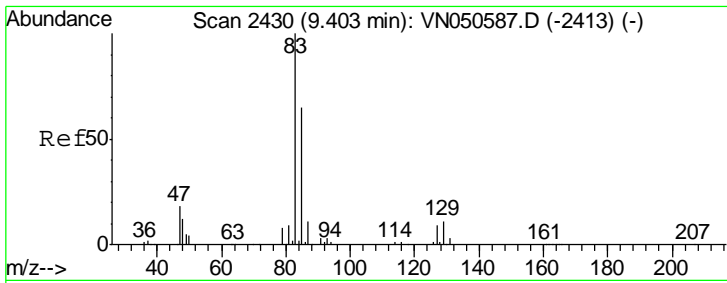
Manual Integrations
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#46
 Dibromomethane
 Concen: 22.24 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
93	102131		
93	100		
95	83.3	69.1	103.7
174	111.6	91.0	136.6





#47

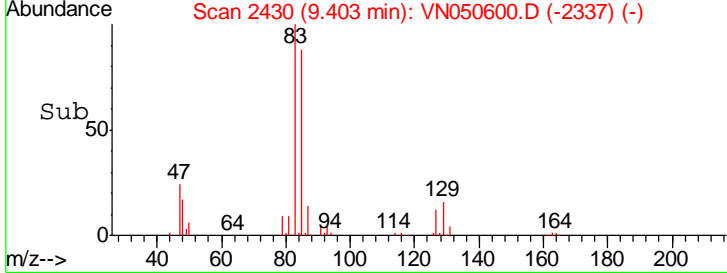
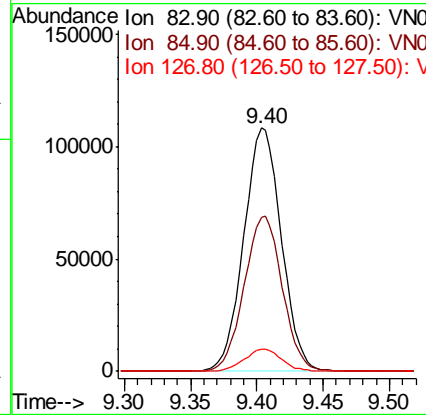
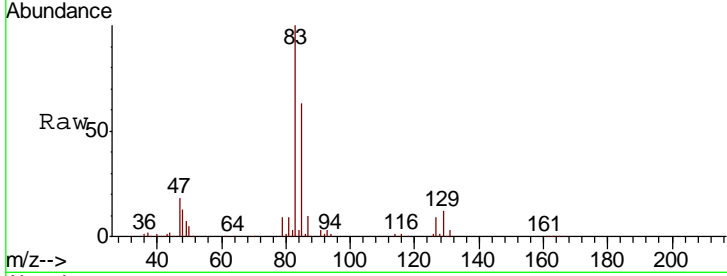
Bromodichloromethane
 Concen: 21.75 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
83	100		
85	63.1	51.8	77.6
127	8.9	7.2	10.8

Manual Integrations
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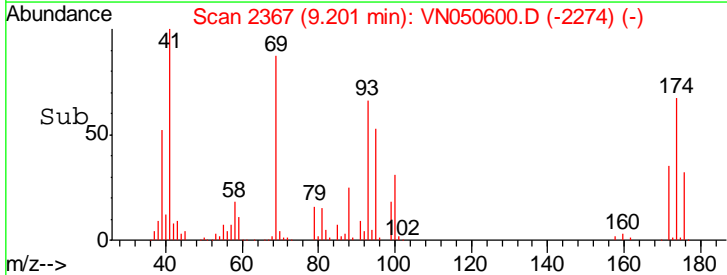
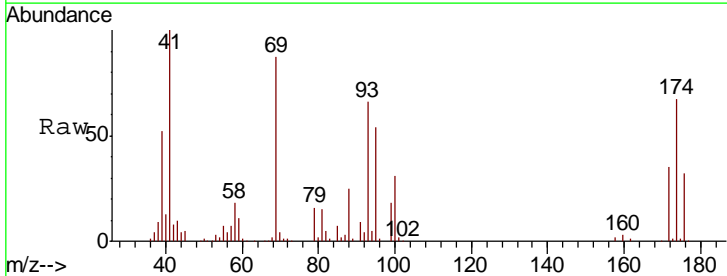
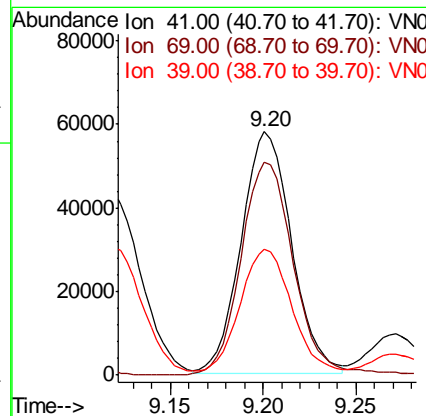
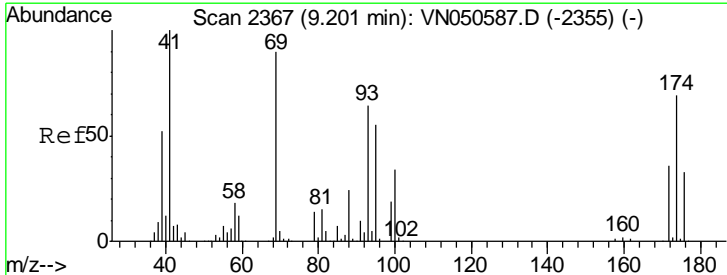
MMDadoda
 8/15/2018 3:31:31 PM

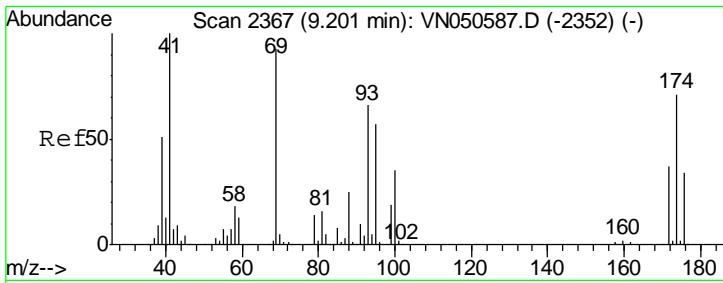


#48

Methyl methacrylate
 Concen: 22.12 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
41	100		
69	92.3	73.4	110.0
39	53.6	43.0	64.6





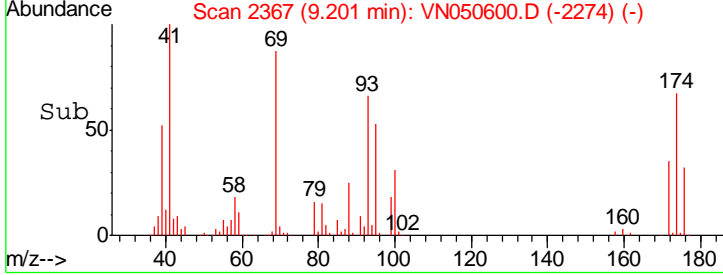
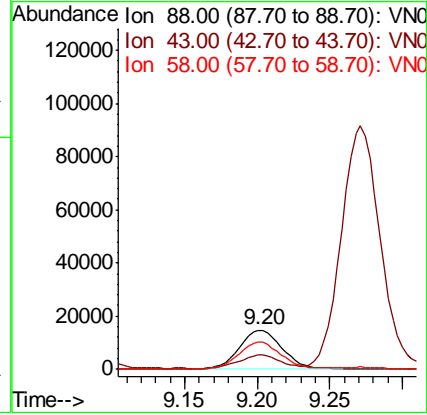
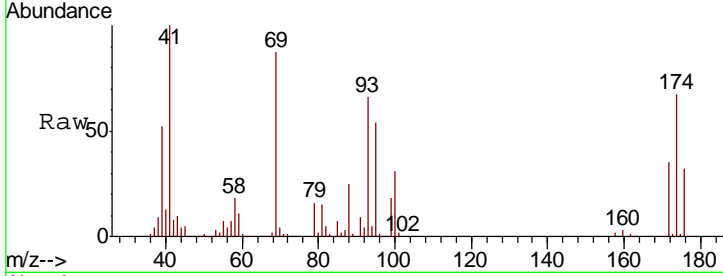
#49
 1,4-Dioxane
 Concen: 465.16 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
88	100		
43	32.4	25.9	38.9
58	69.7	56.5	84.7

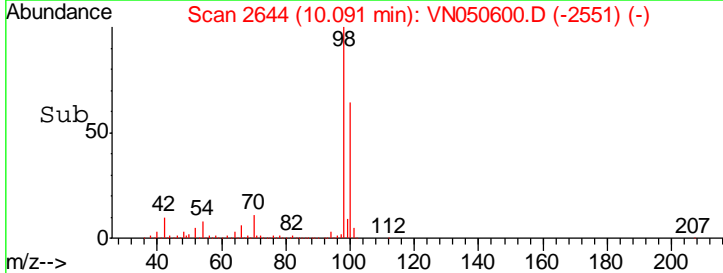
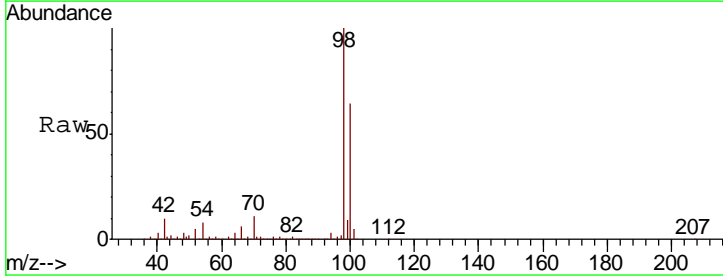
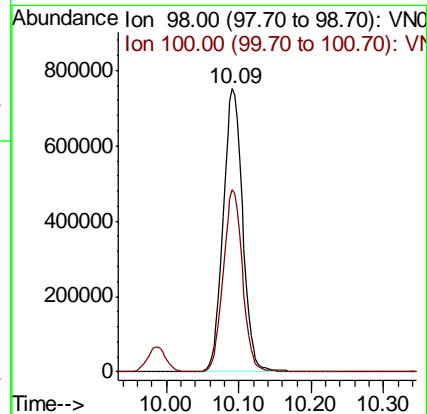
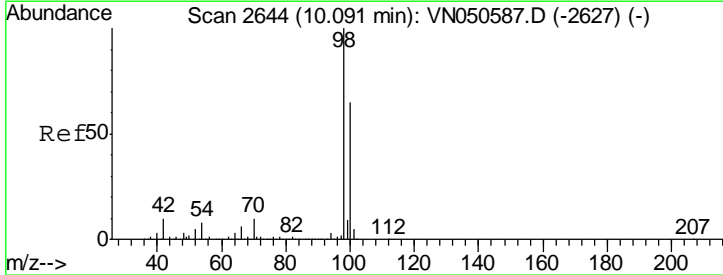
Manual Integrations
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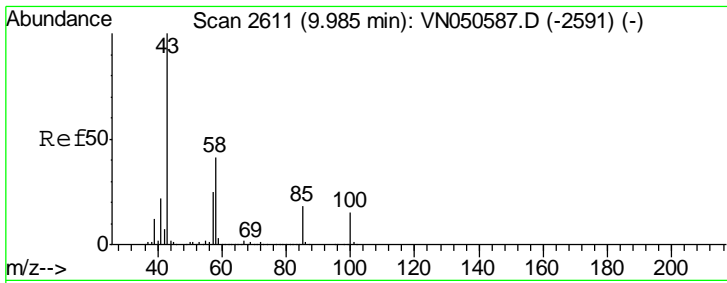
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 8/15/2018 3:31:31 PM



#50
 Toluene-d8
 Concen: 53.88 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.9	51.8	77.8





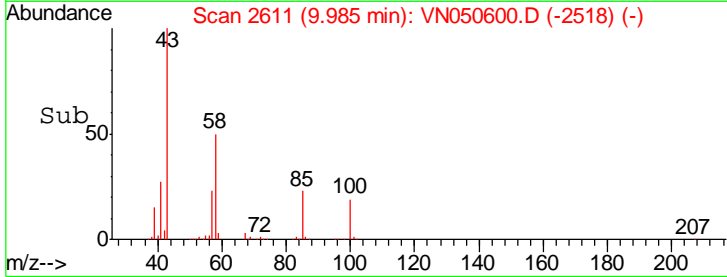
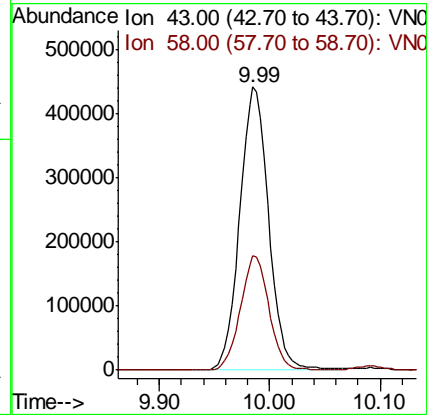
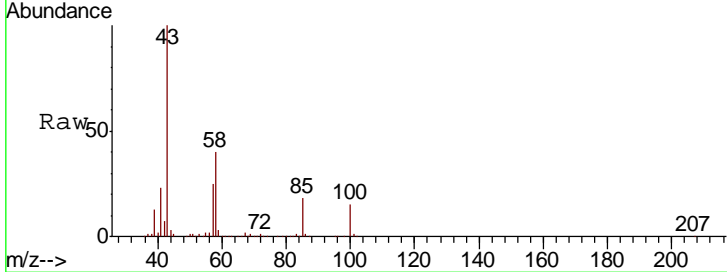
#51
 4-Methyl-2-Pentanone
 Concen: 119.61 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.5	48.7

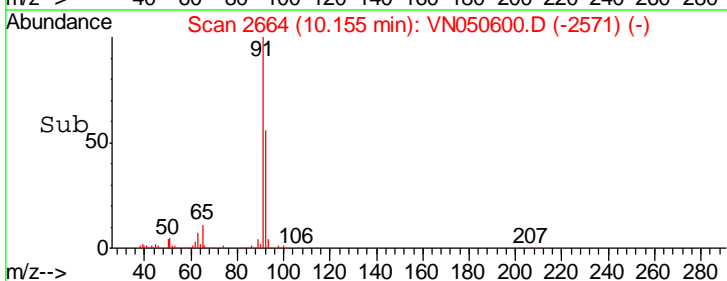
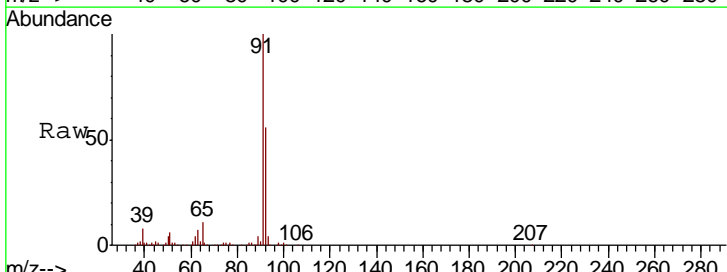
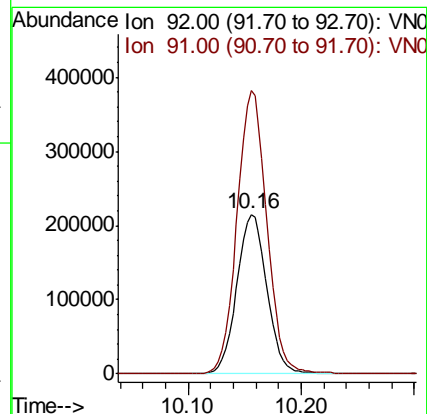
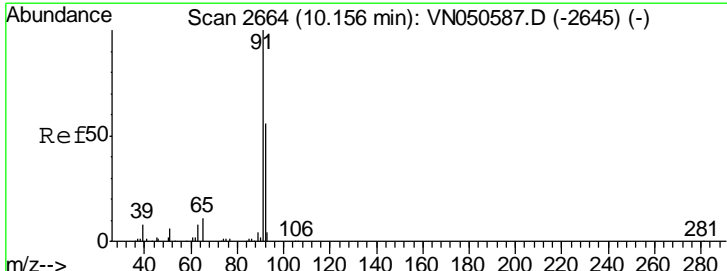
Manual Integrations
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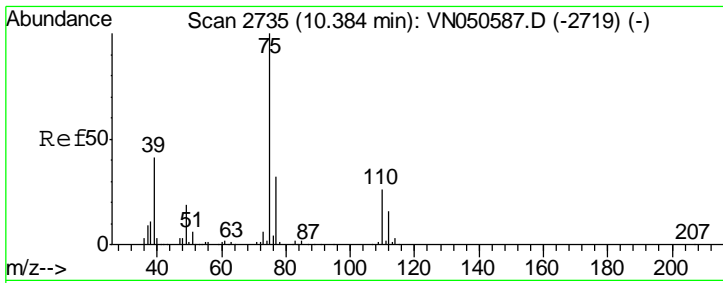
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 8/15/2018 3:31:31 PM



#52
 Toluene
 Concen: 22.87 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.9	141.9	212.9



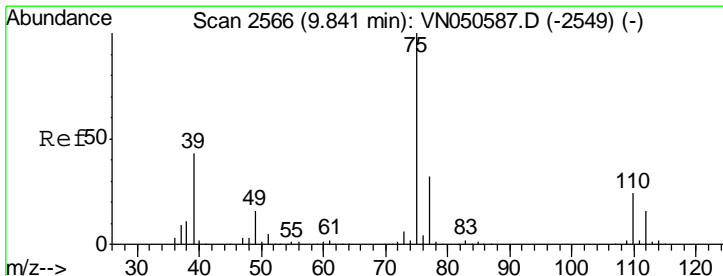
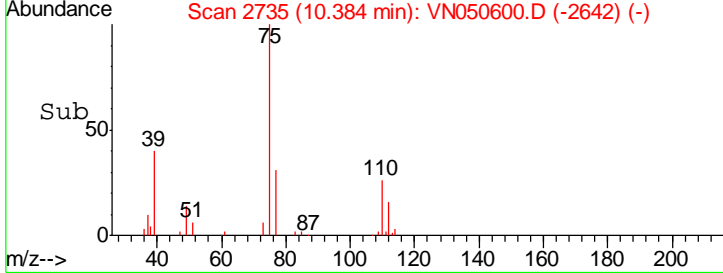
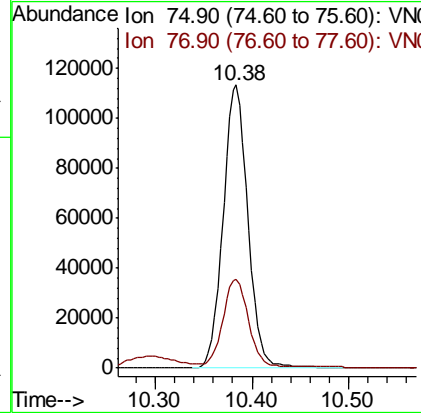
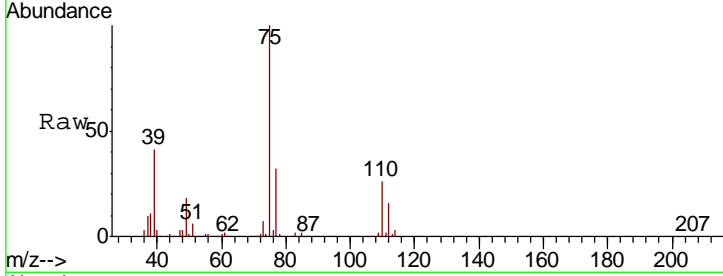


#53
 t-1,3-Dichloropropene
 Concen: 22.01 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 Client Sampled : VN0814WBSD01

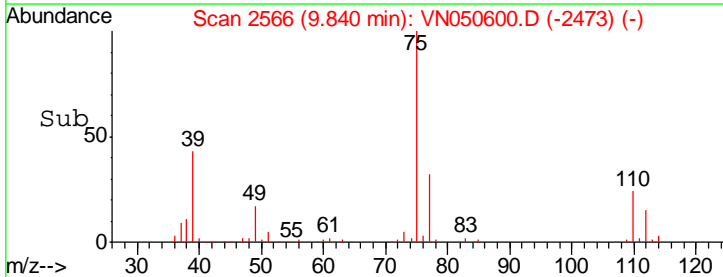
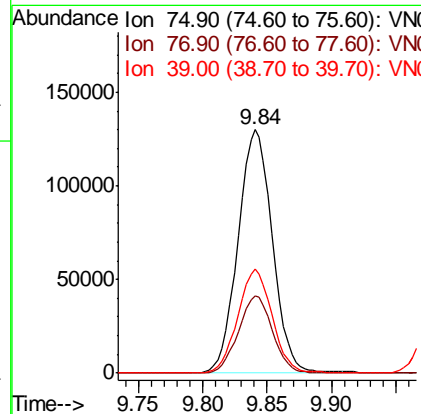
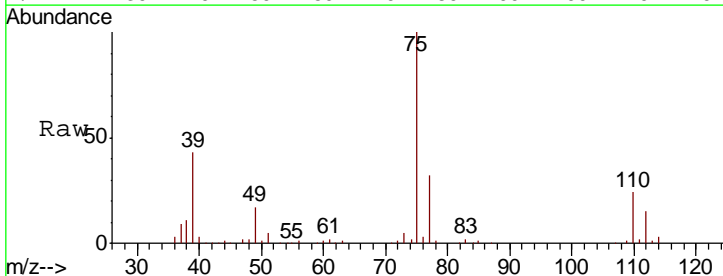
Tgt Ion	Resp	Lower	Upper
75	201233		
75	100		
77	31.1	25.8	38.6

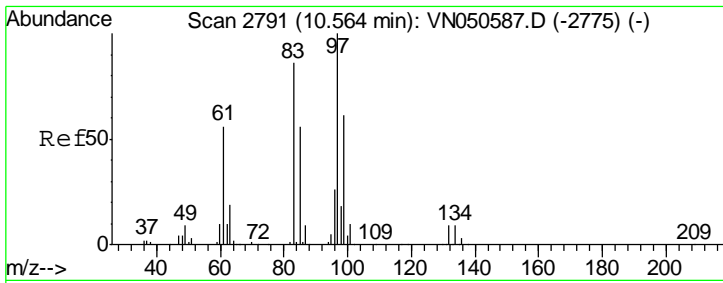
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 22.94 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
75	240674		
75	100		
77	31.7	25.6	38.4
39	42.6	34.4	51.6



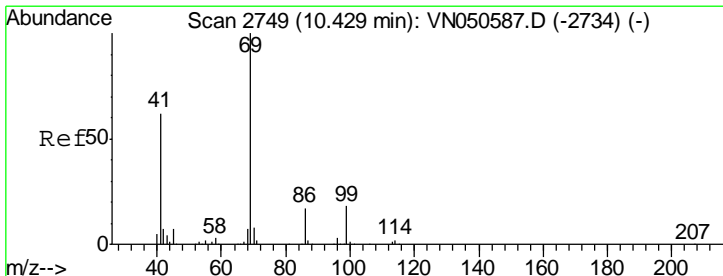
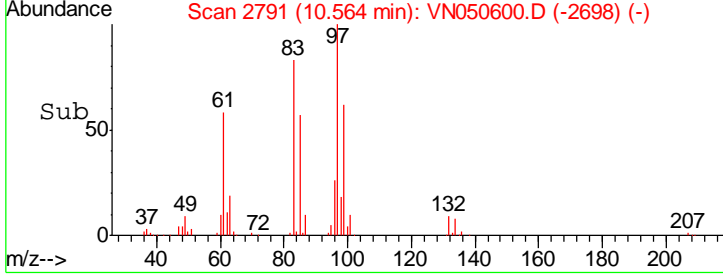
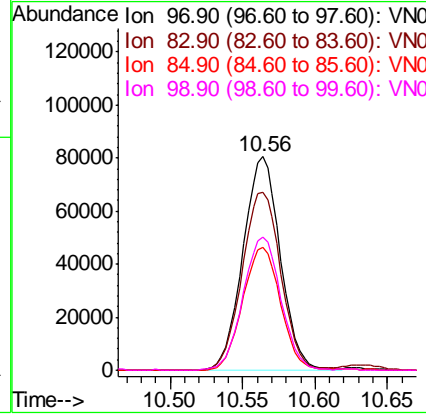
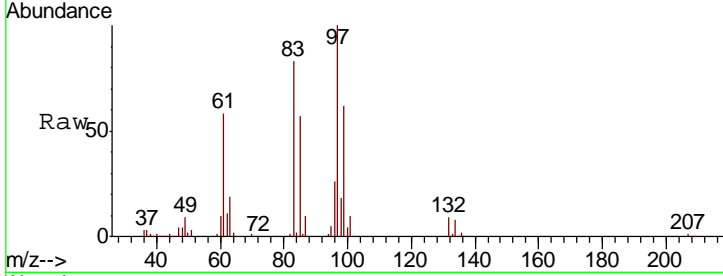


#55
 1,1,2-Trichloroethane
 Concen: 22.19 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

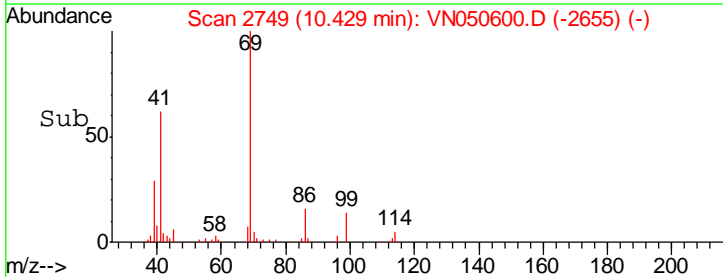
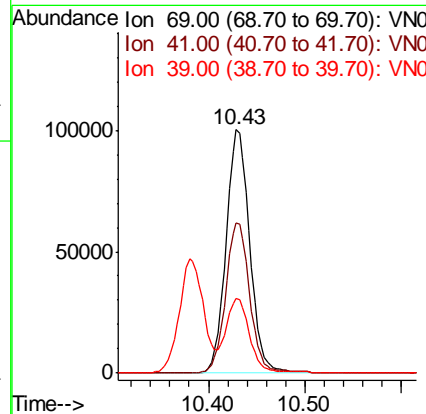
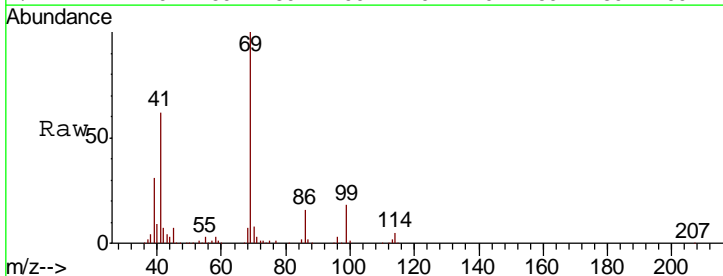
Tgt Ion	Resp	Lower	Upper
97	144639		
97	100		
83	83.4	68.5	102.7
85	57.4	44.6	66.8
99	61.8	49.1	73.7

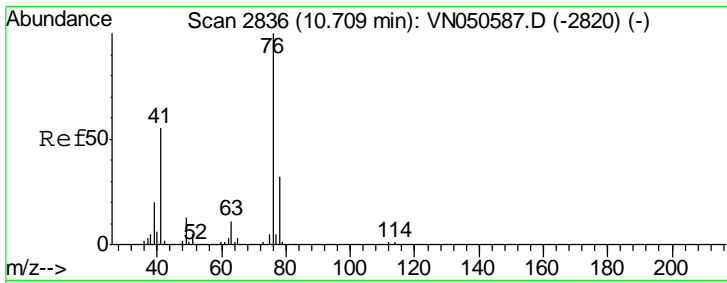
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 21.61 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
69	170291		
69	100		
41	61.9	49.7	74.5
39	30.6	24.2	36.2



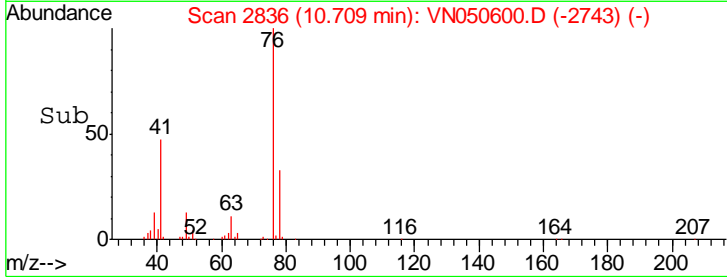
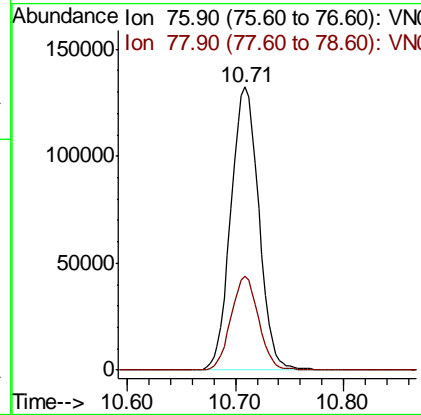
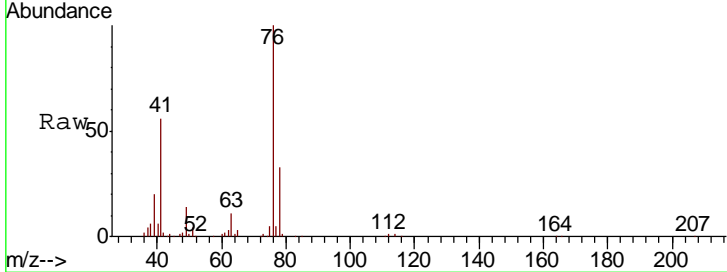


#57
 1,3-Dichloropropane
 Concen: 22.46 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

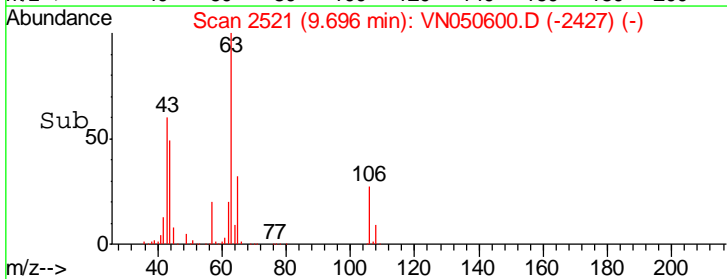
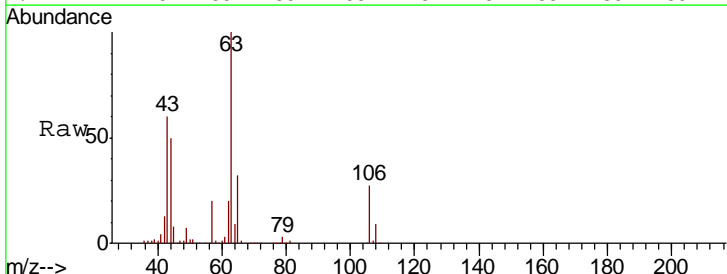
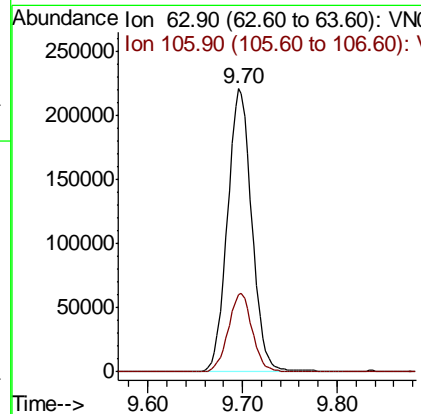
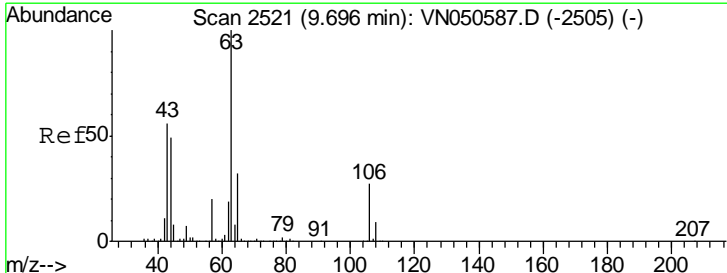
Tgt Ion	Resp	Lower	Upper
76	239928		
76	100		
78	32.8	25.8	38.6

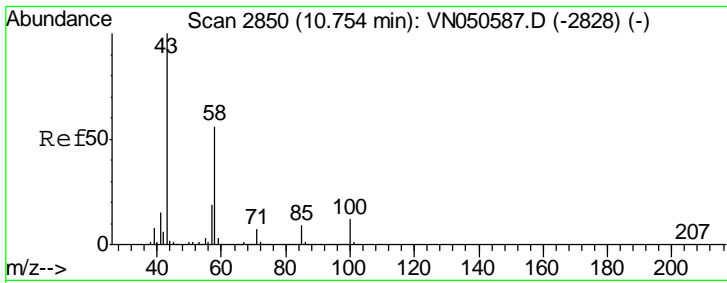
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#58
 2-Chloroethyl Vinyl ether
 Concen: 105.43 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
63	394852		
63	100		
106	27.3	21.7	32.5



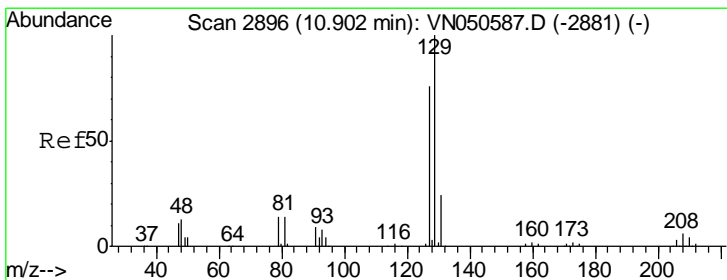
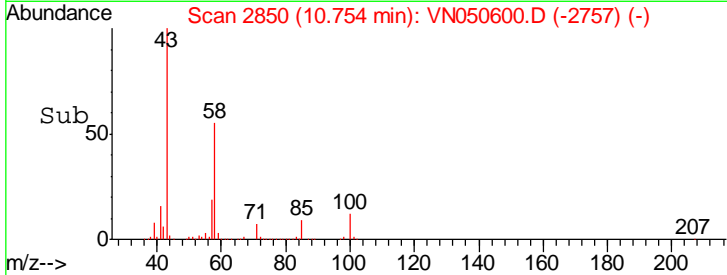
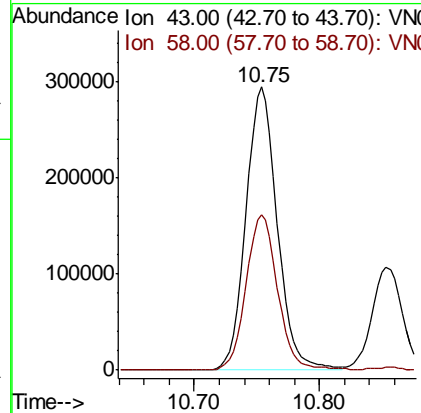
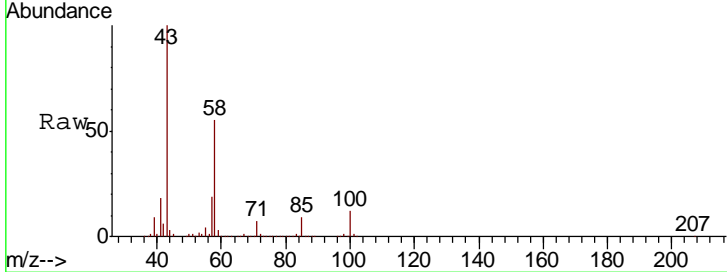


#59
 2-Hexanone
 Concen: 118.33 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

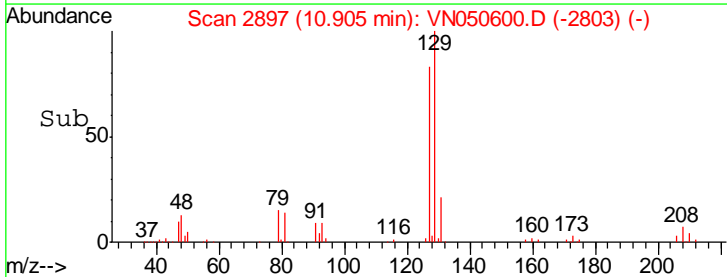
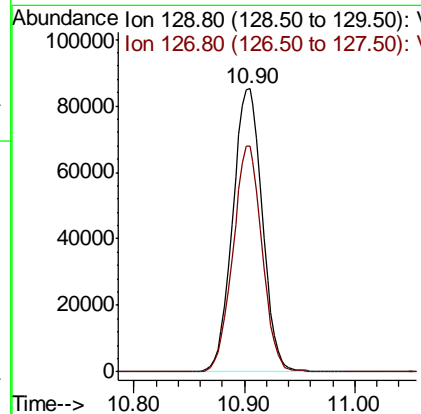
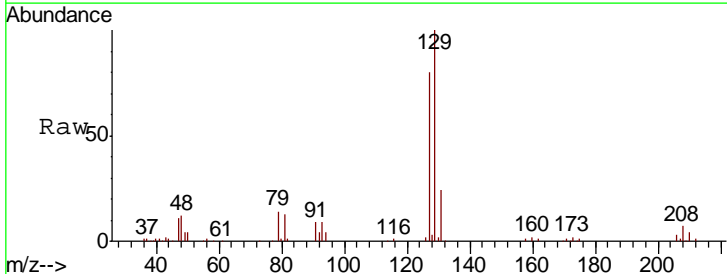
Tgt Ion	Resp	Lower	Upper
43	100		
58	55.4	28.0	84.0

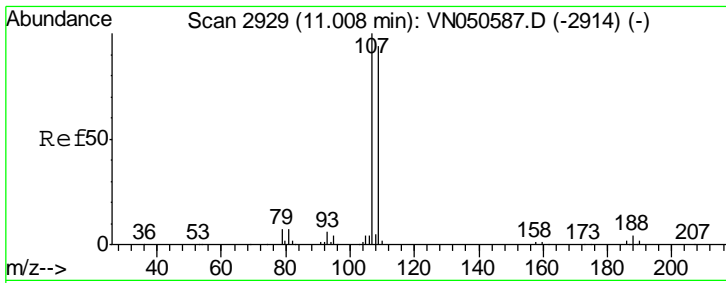
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#60
 Dibromochloromethane
 Concen: 22.04 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
129	100		
127	78.3	38.9	116.7





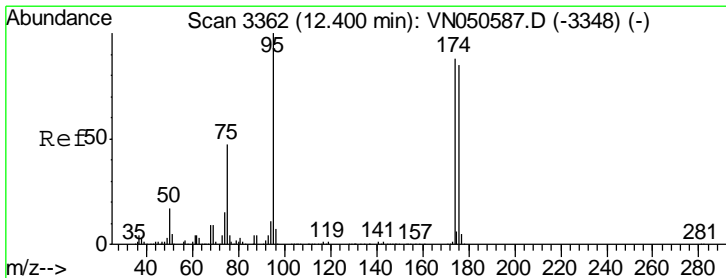
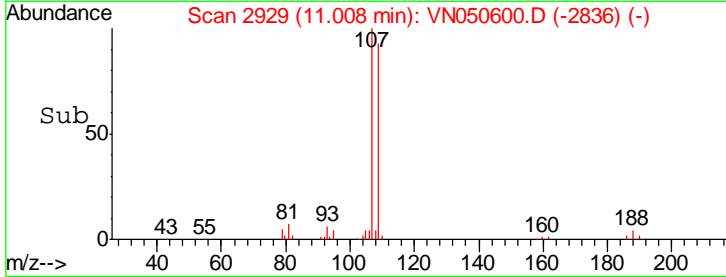
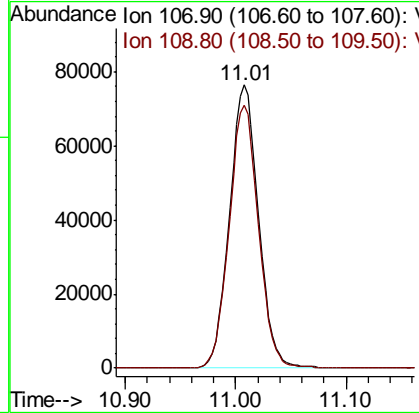
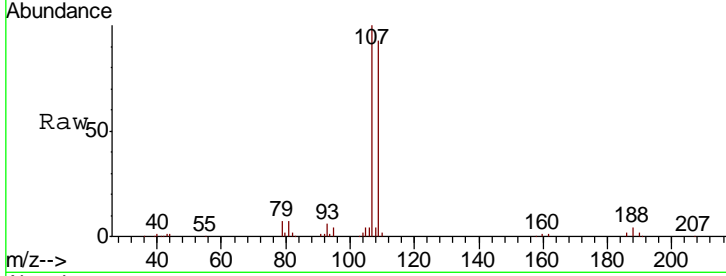
#61
 1,2-Dibromoethane
 Concen: 22.44 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 Client Sampled :
 VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
107	100		
109	93.9	75.7	113.5

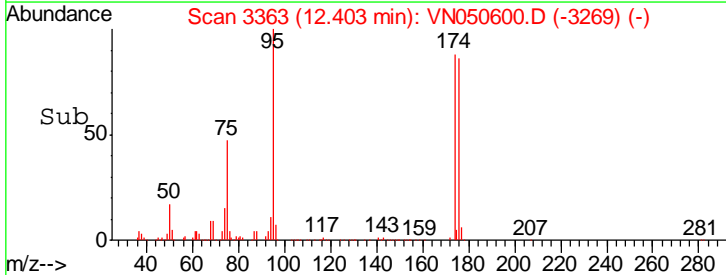
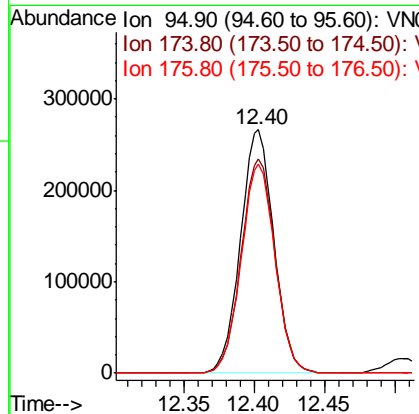
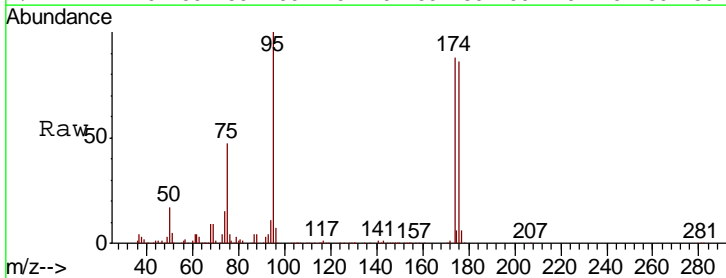
Manual Integrations
 APPROVED

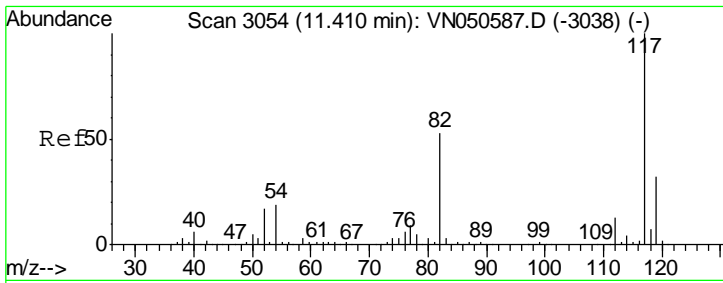
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 8/15/2018 3:31:31 PM



#62
 4-Bromofluorobenzene
 Concen: 51.56 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
95	100		
174	89.6	0.0	177.8
176	87.0	0.0	175.0



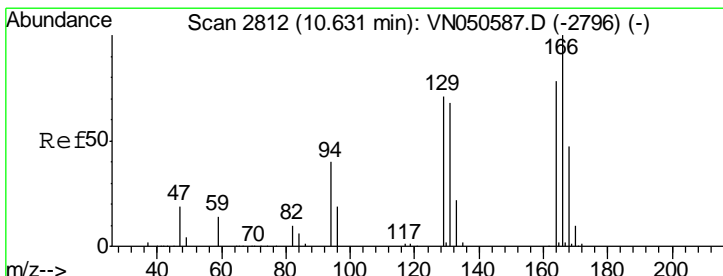
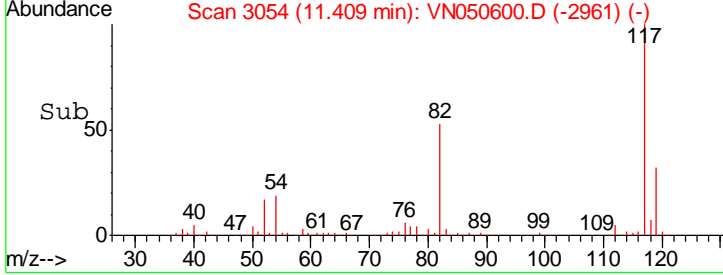
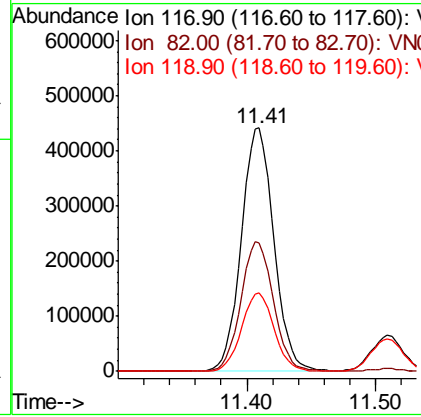
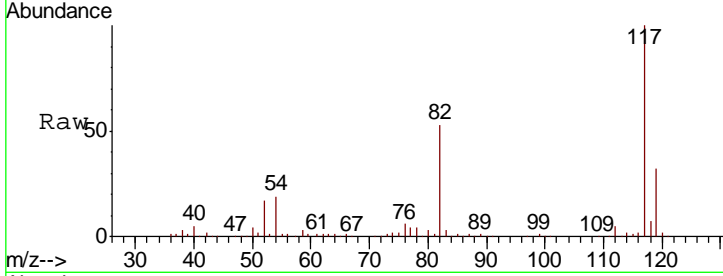


#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 Client Sampled : VN0814WBSD01

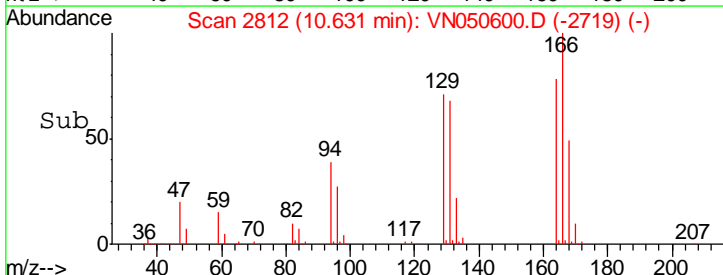
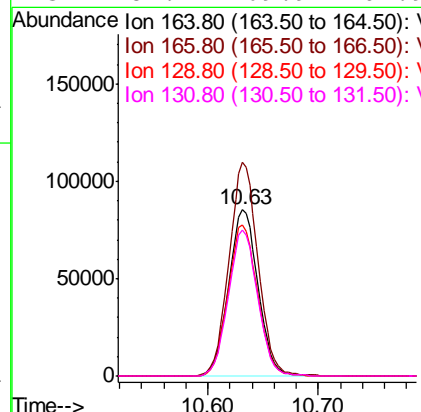
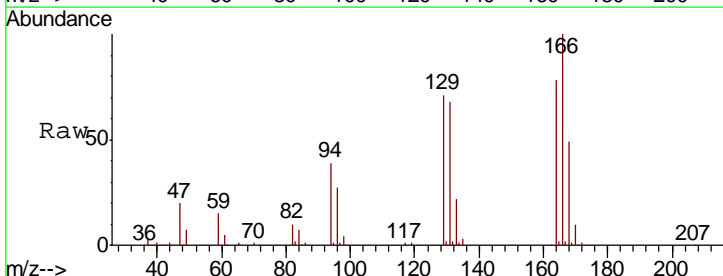
Tgt Ion	Resp	Lower	Upper
117	775712		
82	52.8	42.4	63.6
119	32.3	25.8	38.8

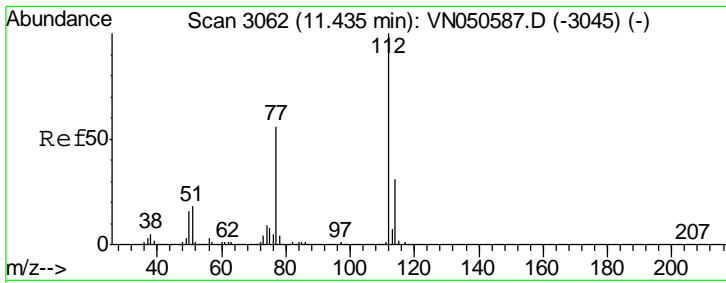
Manual Integrations
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#64
 Tetrachloroethene
 Concen: 21.90 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
164	157767		
166	128.8	102.1	153.1
129	91.5	72.7	109.1
131	87.7	69.9	104.9



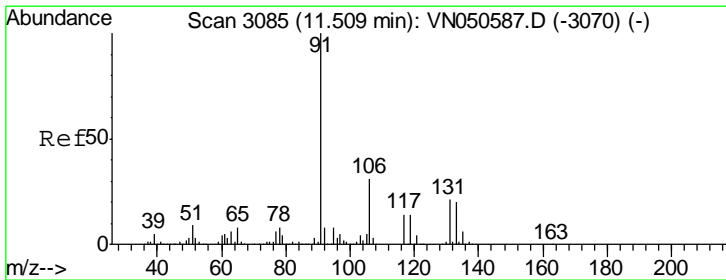
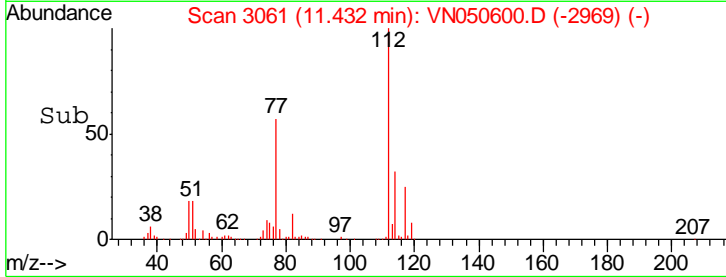
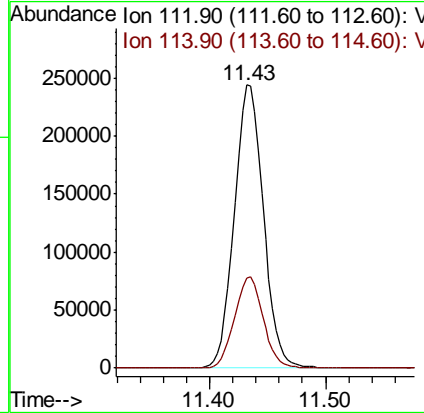
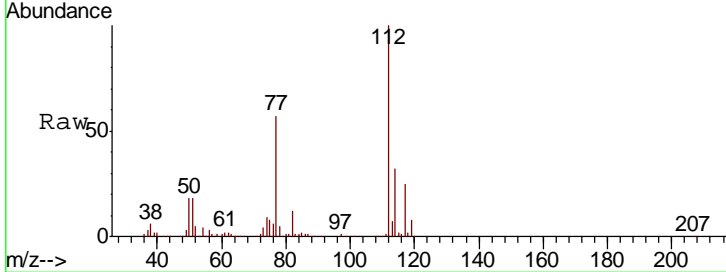


#65
 Chlorobenzene
 Concen: 21.87 ug/l
 RT: 11.43 min Scan# 3061
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

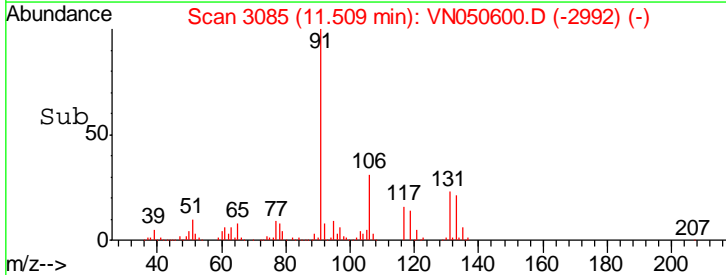
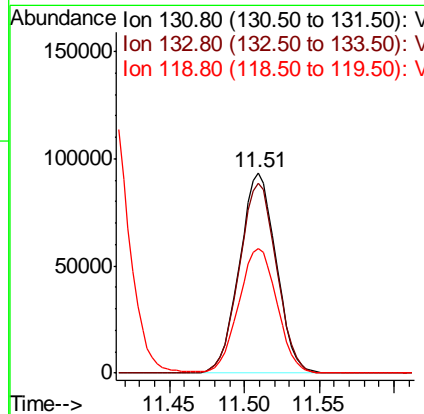
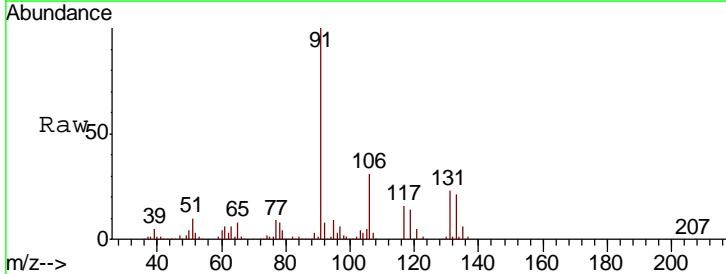
Tgt Ion	Resp	Lower	Upper
112	422278		
114	31.9	25.2	37.8

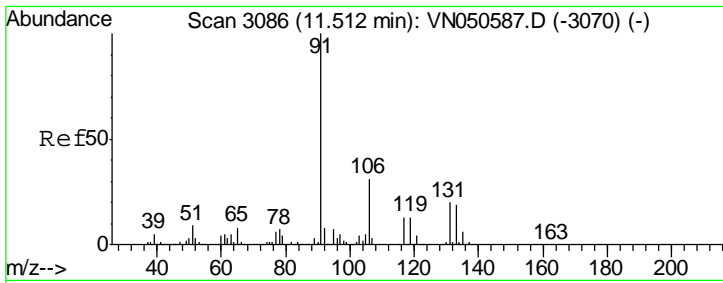
Manual Integrations
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#66
 1,1,1,2-Tetrachloroethane
 Concen: 22.01 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
131	159310		
133	96.6	47.6	142.9
119	64.9	33.1	99.3



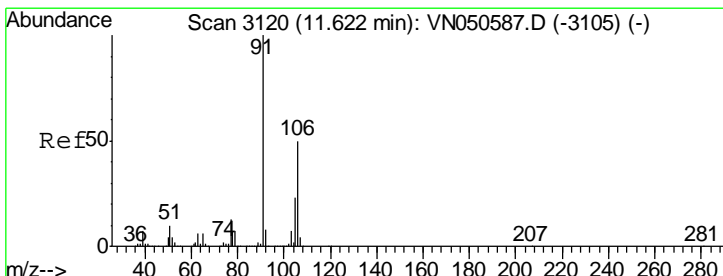
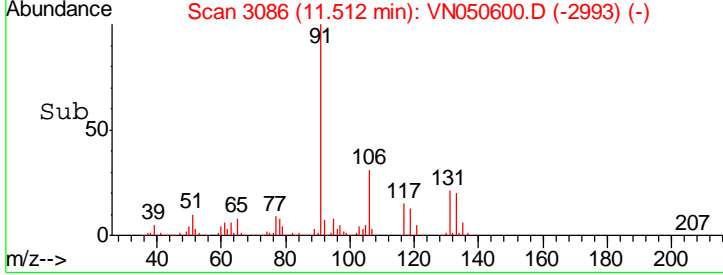
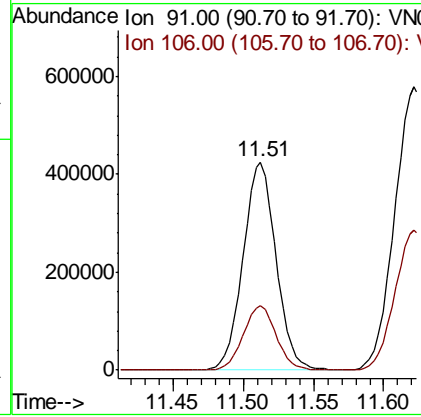
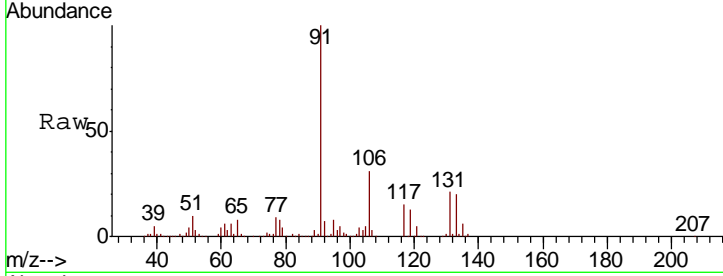


#67
Ethyl Benzene
Concen: 22.35 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
Client Sampled : VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
91	100		
106	30.8	24.8	37.2

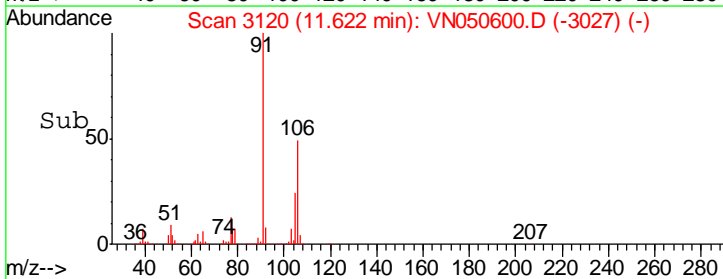
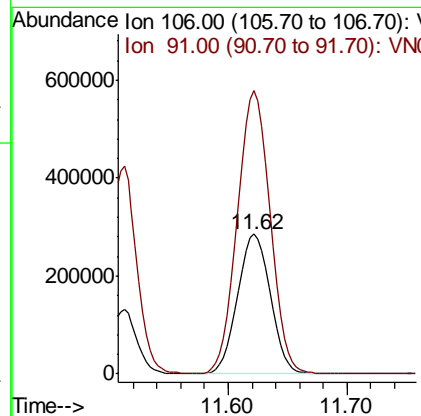
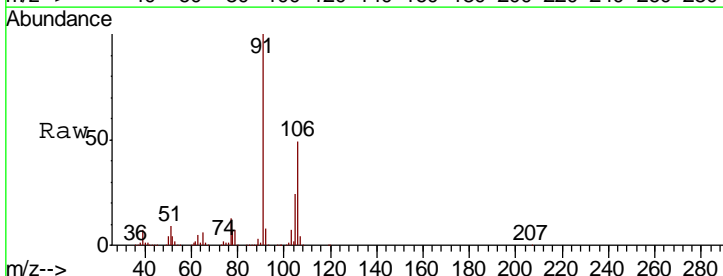
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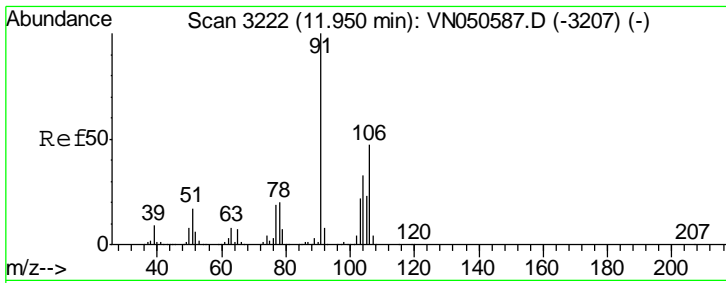


#68
m/p-Xylenes
Concen: 45.91 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050600.D
Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
Client Sampled : VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
106	100		
91	202.4	161.5	242.3



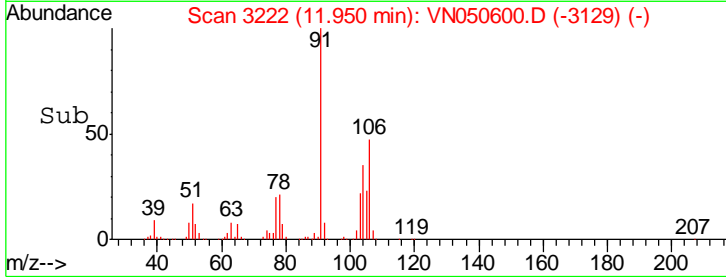
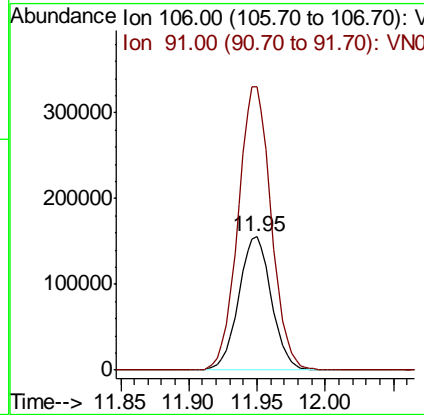
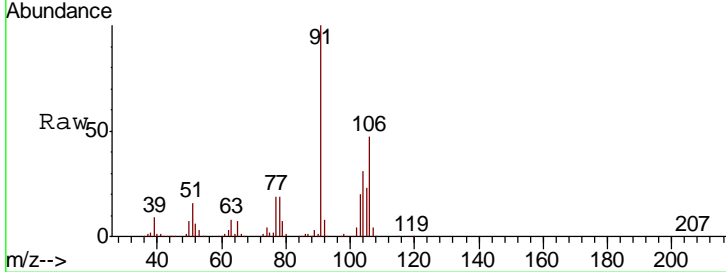


#69
 o-Xylene
 Concen: 22.77 ug/l
 RT: 11.95 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

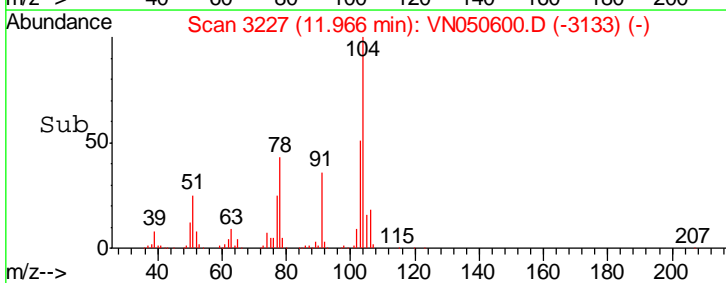
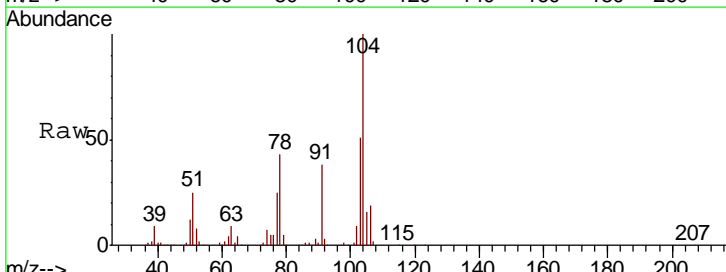
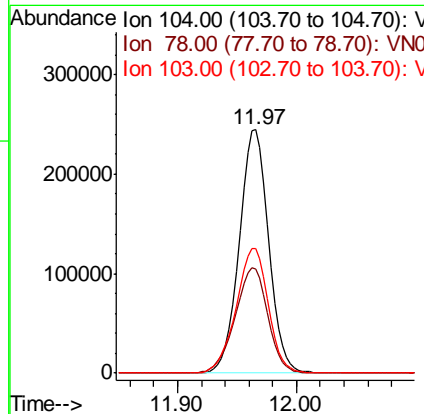
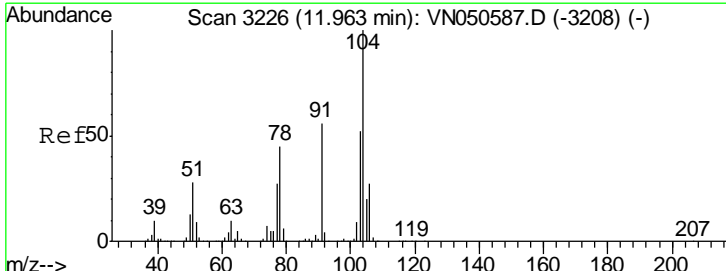
Tgt Ion	Resp	Lower	Upper
106	258847		
106	100		
91	214.2	106.8	320.4

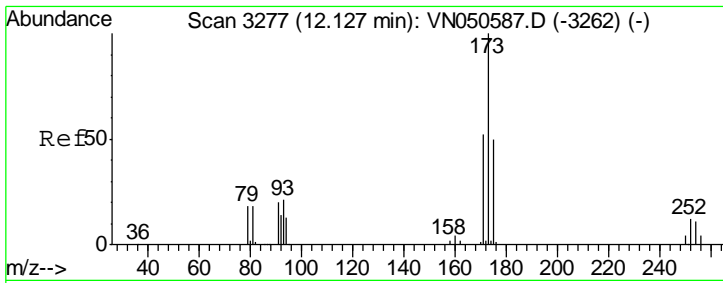
Manual Integrations
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#70
 Styrene
 Concen: 21.25 ug/l
 RT: 11.97 min Scan# 3227
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

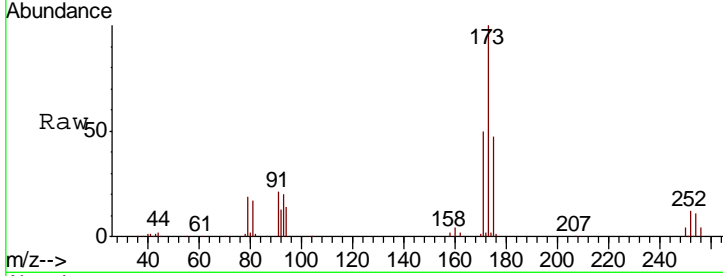
Tgt Ion	Resp	Lower	Upper
104	418489		
104	100		
78	48.4	39.1	58.7
103	56.2	44.9	67.3





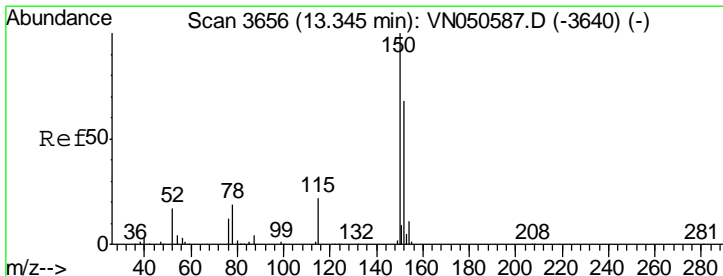
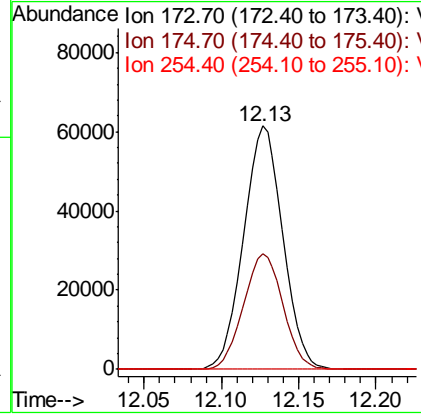
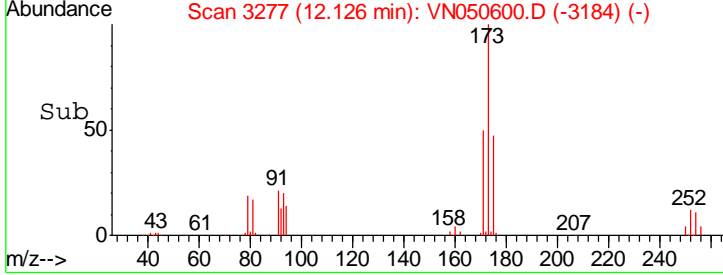
#71
 Bromoform
 Concen: 22.56 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

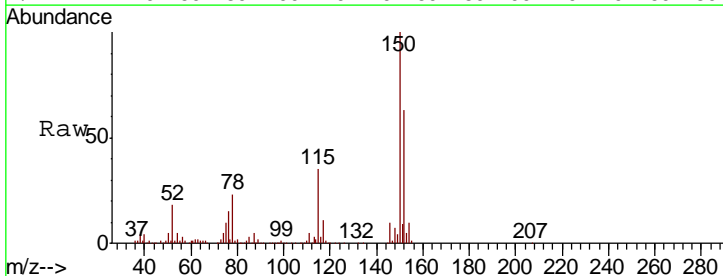


Tgt Ion	Resp	Lower	Upper
173	108241		
175	47.9	24.4	73.2
254	0.1	0.0	0.0

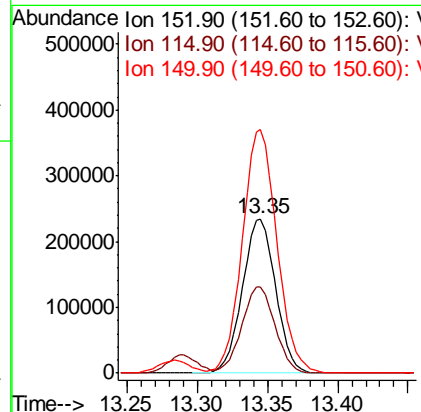
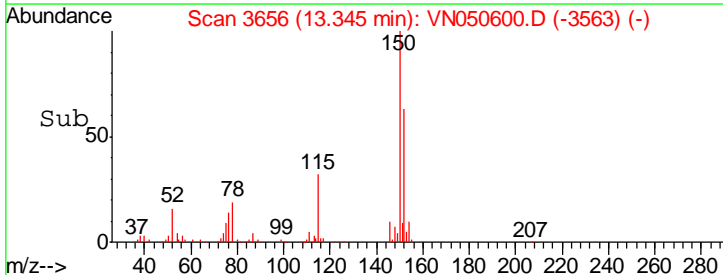
Manual Integrations
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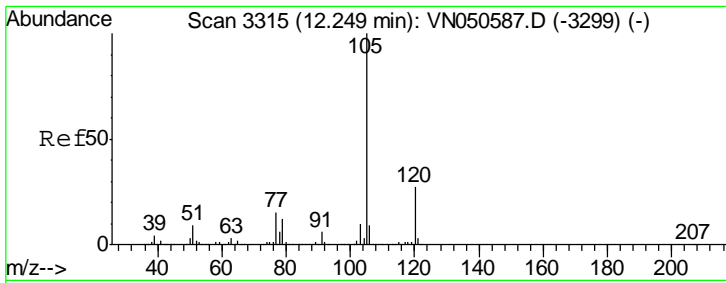


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22



Tgt Ion	Resp	Lower	Upper
152	387079		
115	55.6	28.1	84.2
150	163.9	0.0	347.8





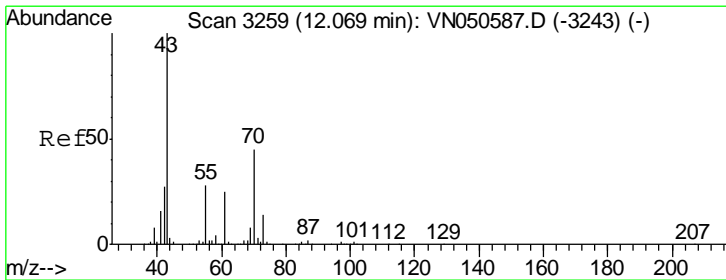
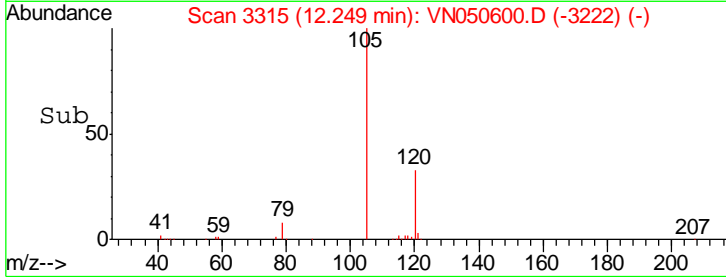
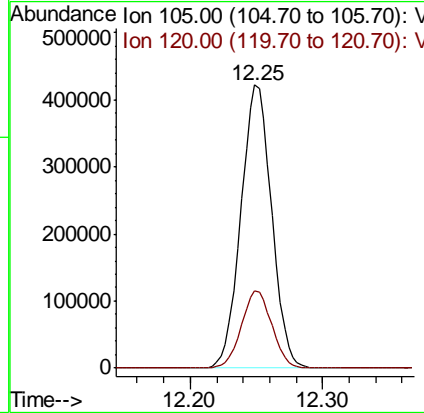
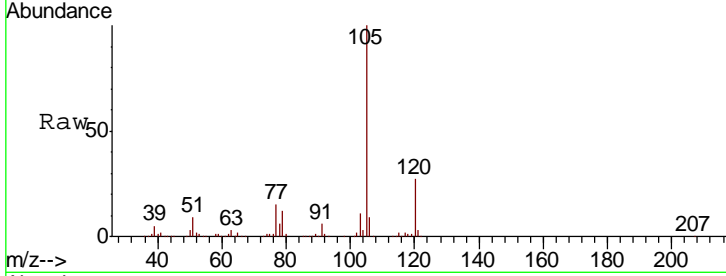
#73
 Isopropylbenzene
 Concen: 22.44 ug/l
 RT: 12.25 min Scan# 3315
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
105	100		
120	27.1	13.4	40.1

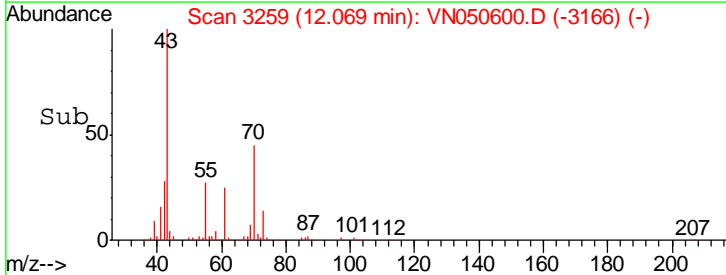
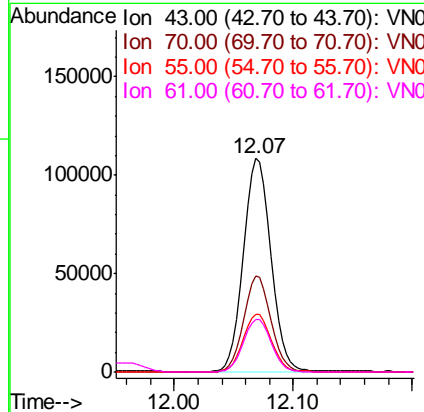
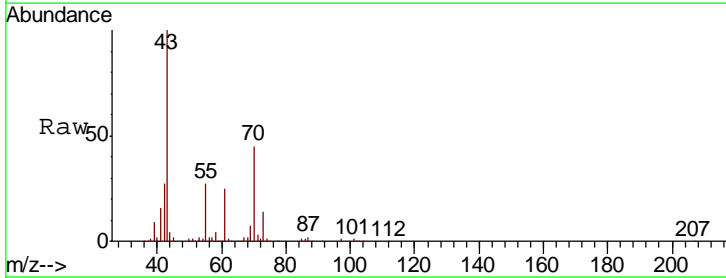
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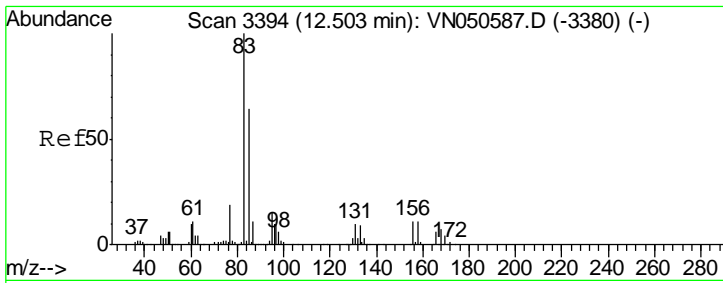
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#74
 N-amyl acetate
 Concen: 22.20 ug/l
 RT: 12.07 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
43	100		
70	44.5	35.9	53.9
55	27.9	22.2	33.4
61	24.9	20.0	30.0



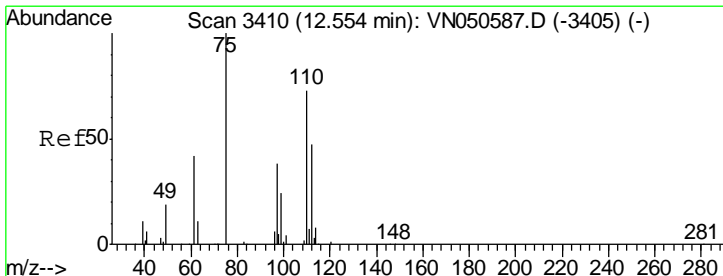
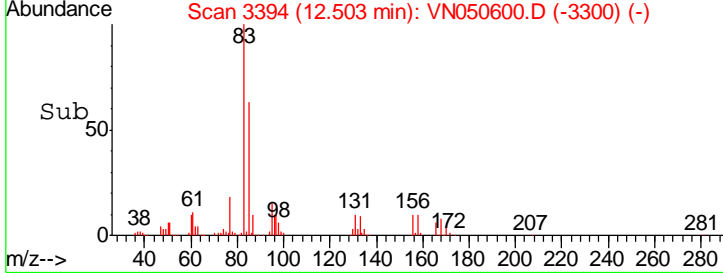
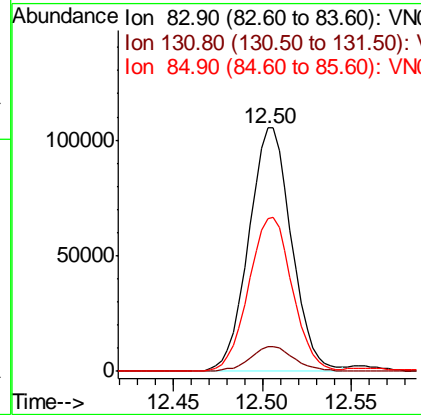
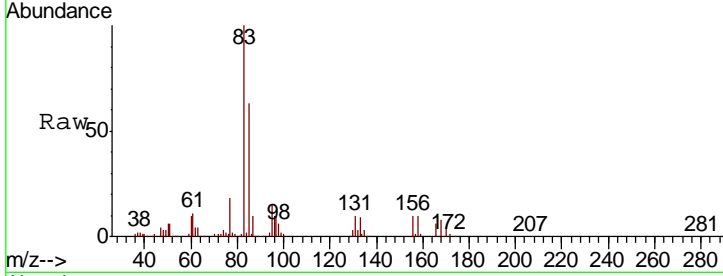


#75
 1,1,2,2-Tetrachloroethane
 Concen: 23.87 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 Client Sampled : VN0814WBSD01

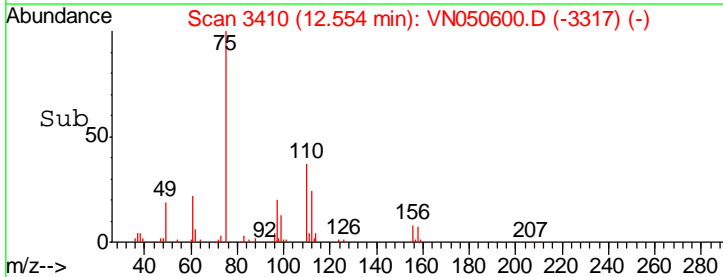
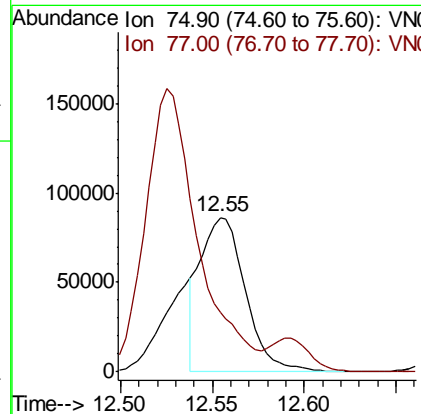
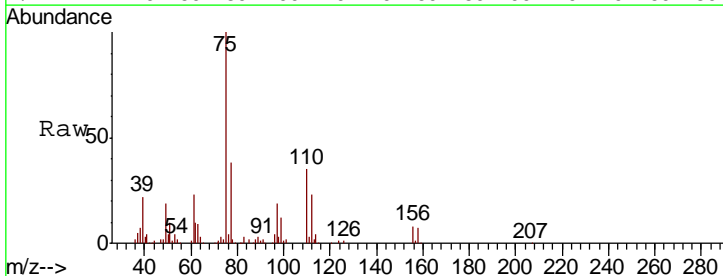
Tgt Ion	Resp	Lower	Upper
83	176101		
83	100		
131	10.6	5.3	15.9
85	64.6	32.1	96.5

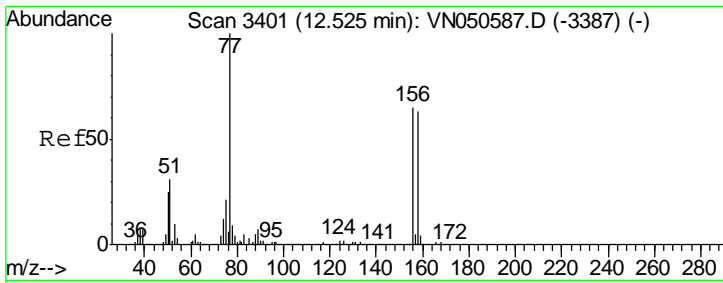
Manual Integrations
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#76
 1,2,3-Trichloropropane
 Concen: 22.79 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
75	146002		
75	100		
77	0.0	0.0	0.0



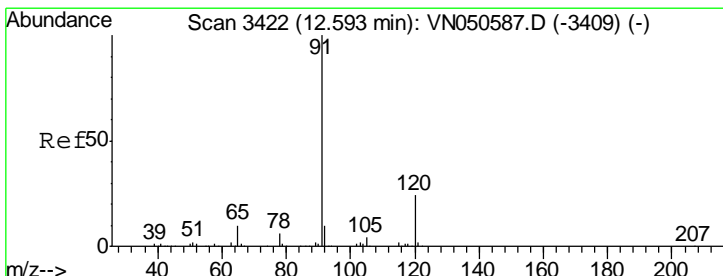
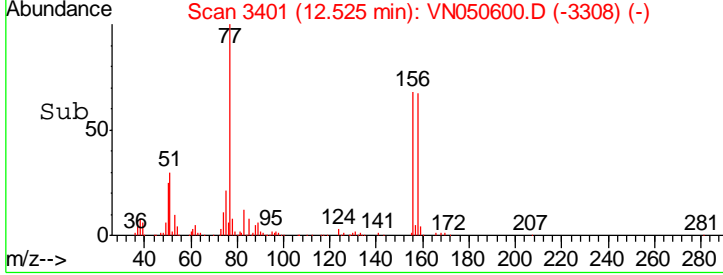
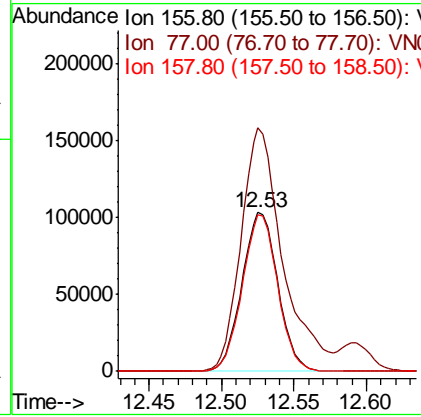
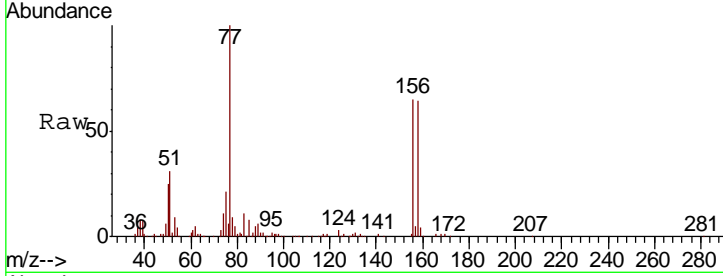


#77
 Bromobenzene
 Concen: 21.65 ug/l
 RT: 12.53 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

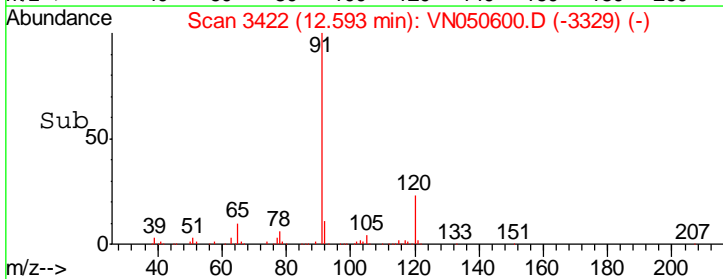
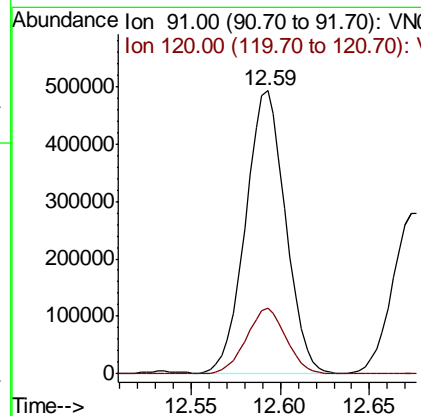
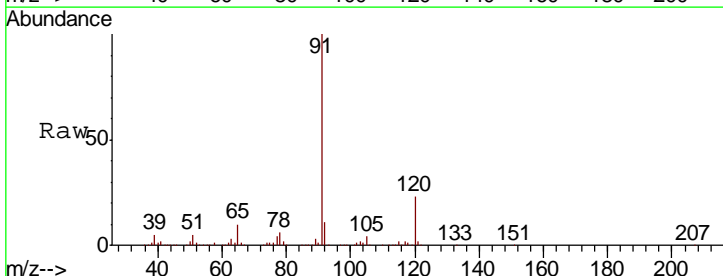
Tgt Ion	Resp	Lower	Upper
156	177780		
77	178.1	89.0	267.1
158	96.9	48.5	145.6

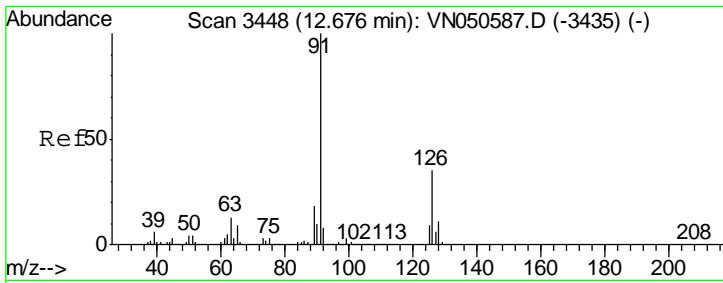
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#78
 n-propylbenzene
 Concen: 22.73 ug/l
 RT: 12.59 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
91	766481		
120	23.2	11.8	35.4



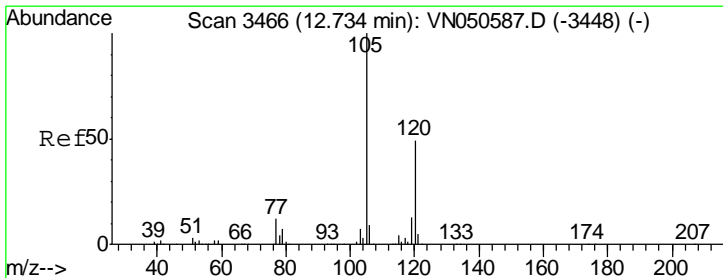
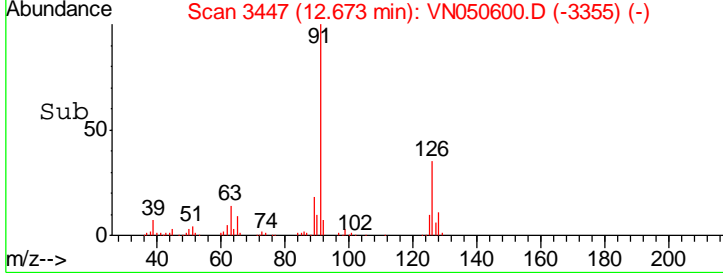
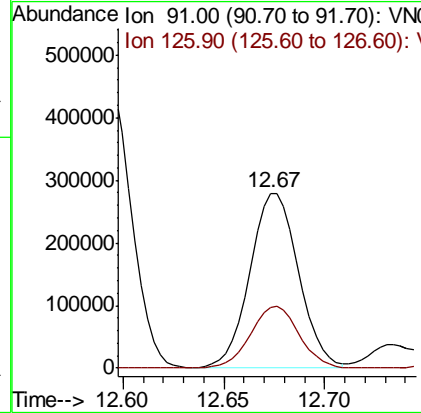
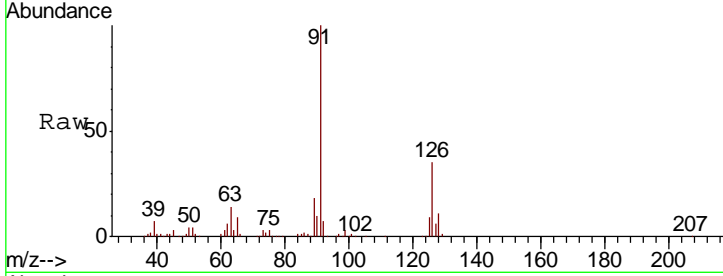


#79
 2-Chlorotoluene
 Concen: 22.37 ug/l
 RT: 12.67 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 Client Sampled : VN0814WBSD01

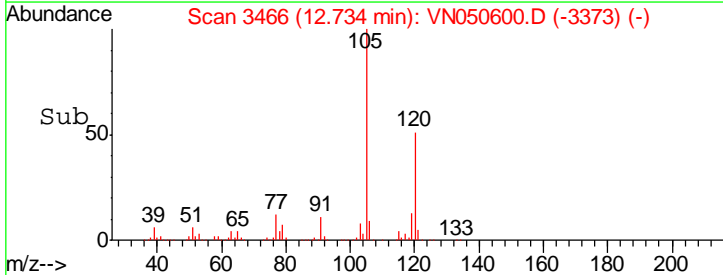
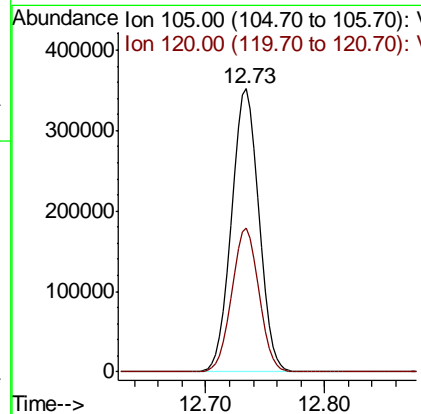
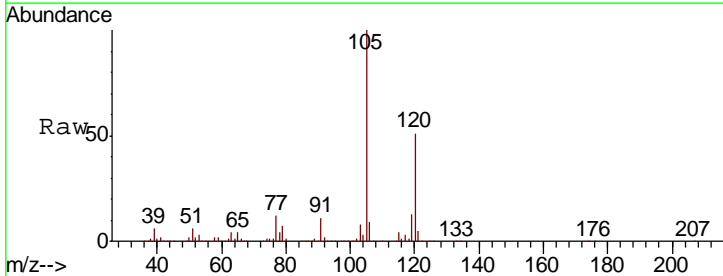
Tgt Ion	Resp	Lower	Upper
91	470243		
126	35.6	17.6	52.8

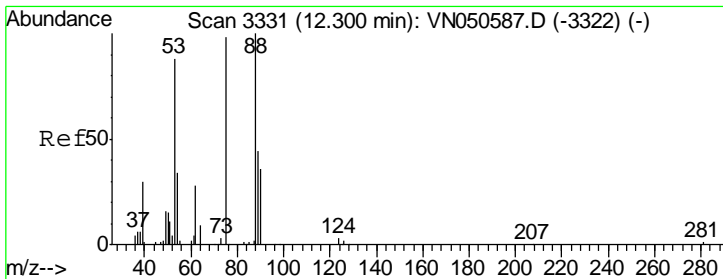
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.20 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
105	561711		
120	50.4	24.7	74.1





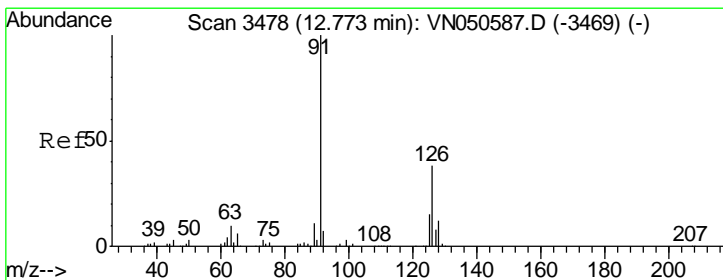
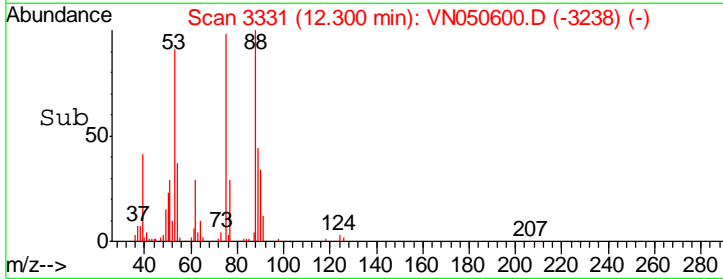
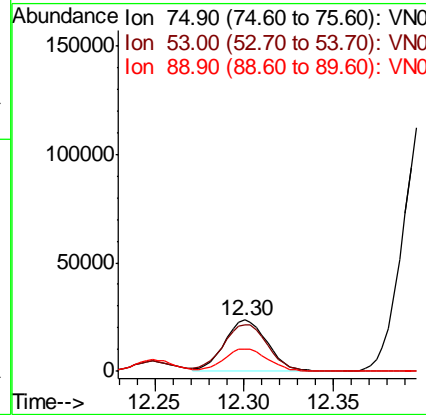
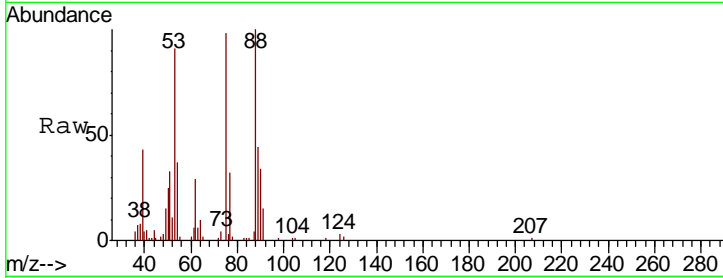
#81
 trans-1,4-Dichloro-2-butene
 Concen: 22.76 ug/l
 RT: 12.30 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
75	39635		
75	100		
53	95.0	72.2	108.2
89	44.2	36.3	54.5

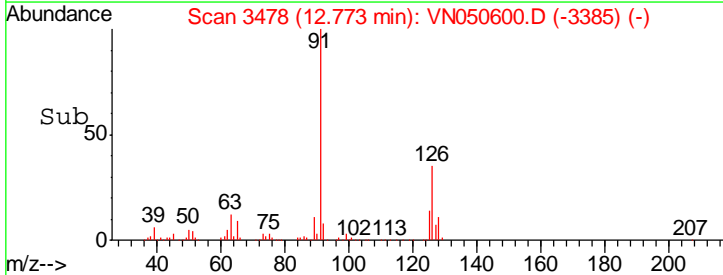
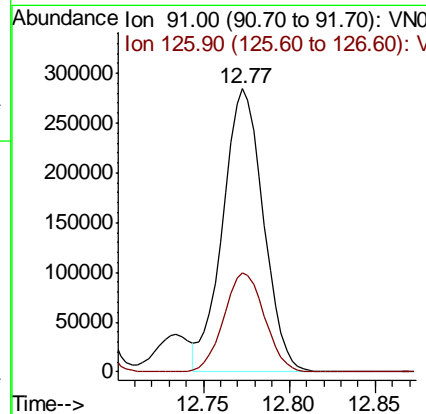
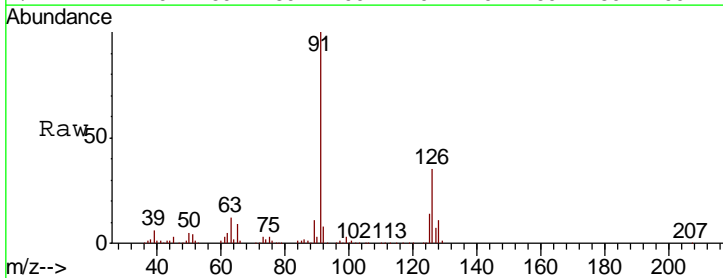
Manual Integrations
 APPROVED

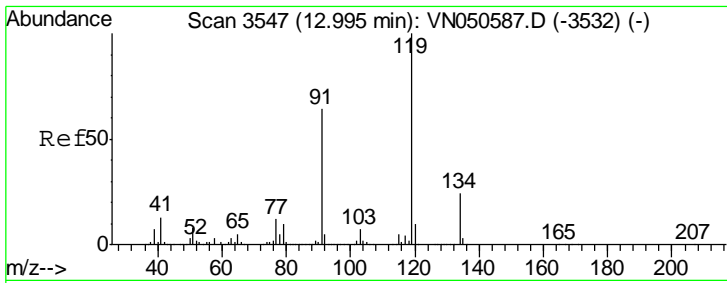
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#82
 4-Chlorotoluene
 Concen: 22.47 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
91	466908		
91	100		
126	35.2	17.3	52.0





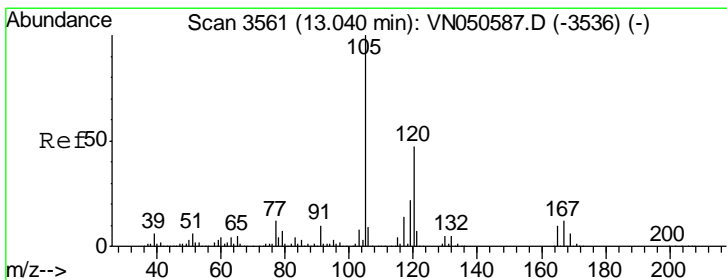
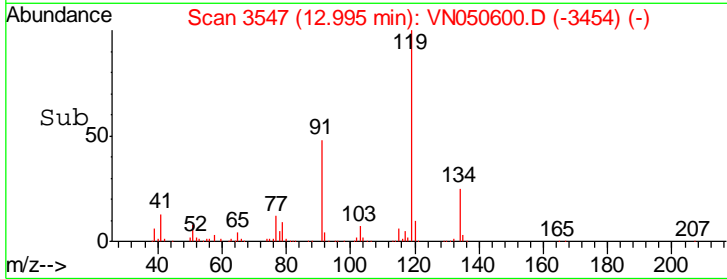
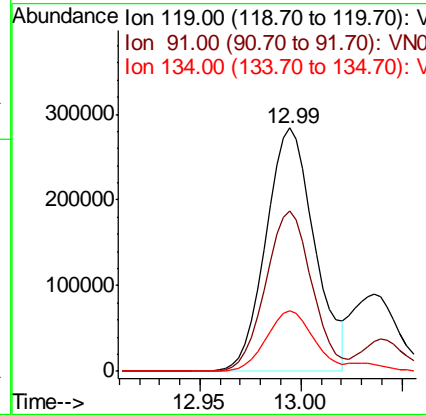
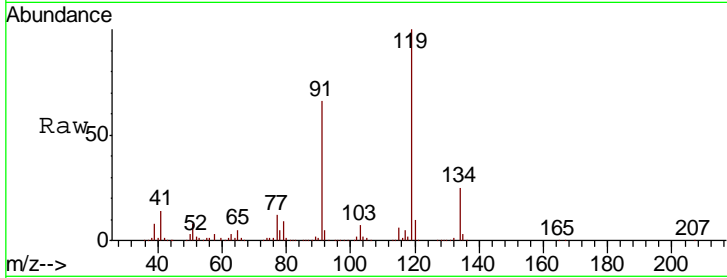
#83
 tert-Butylbenzene
 Concen: 22.66 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
119	476367		
91	63.2	32.2	96.6
134	24.5	13.4	40.2

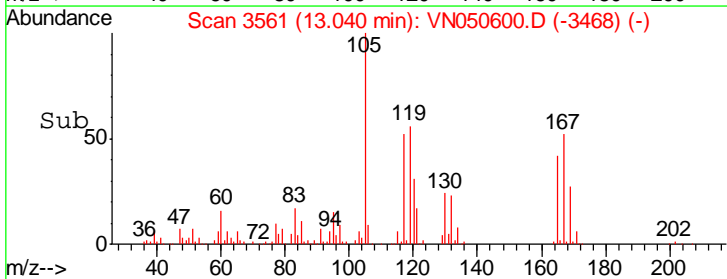
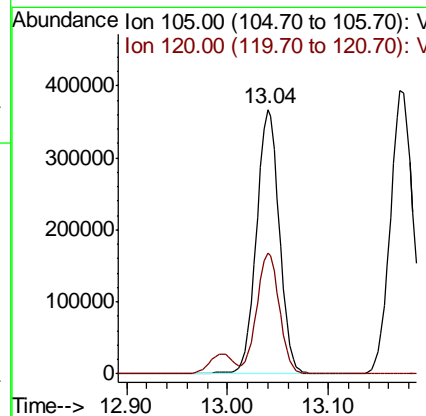
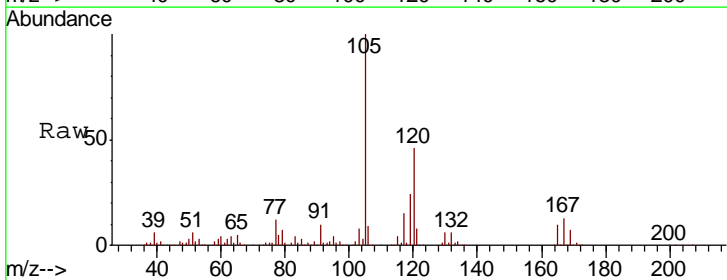
Manual Integrations
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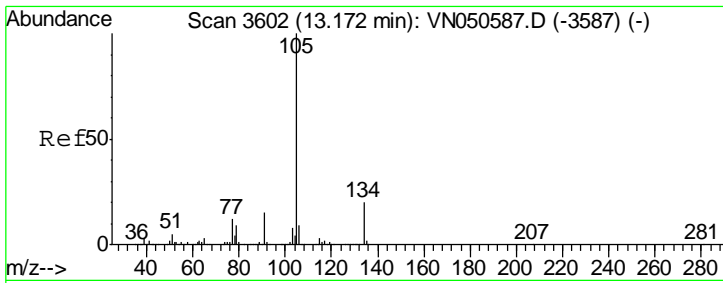
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 8/15/2018 3:31:31 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 23.51 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
105	571459		
120	45.6	23.2	69.5



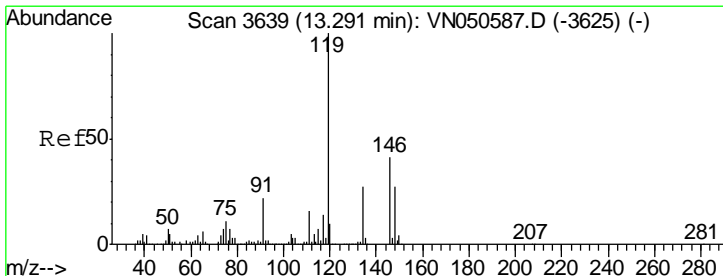
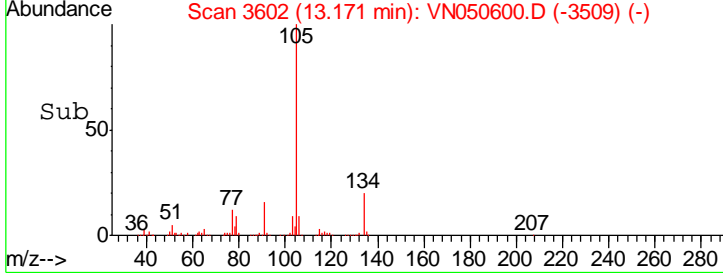
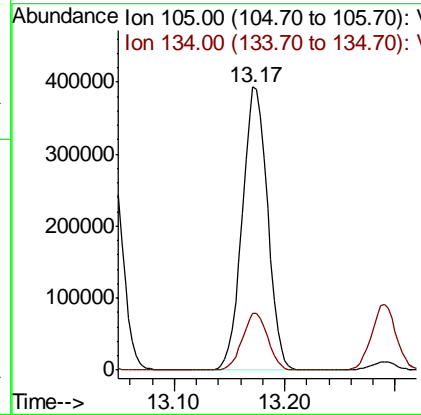
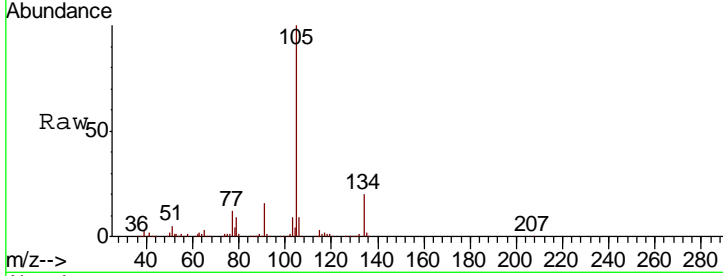


#85
 sec-Butylbenzene
 Concen: 22.74 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 Client Sampled : VN0814WBSD01

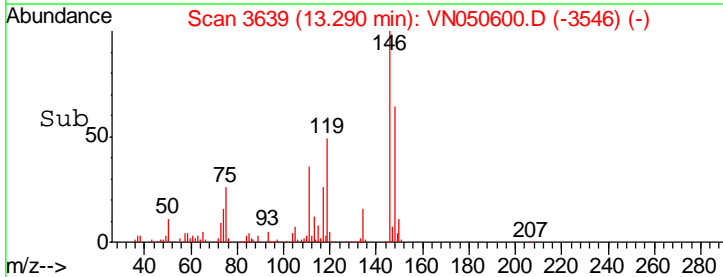
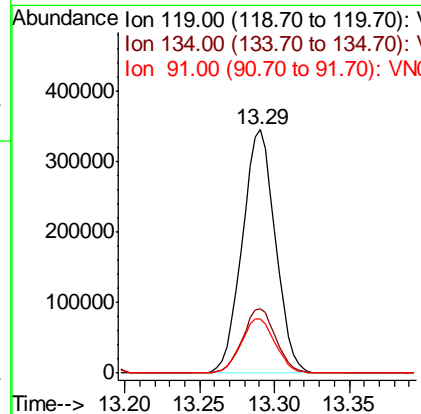
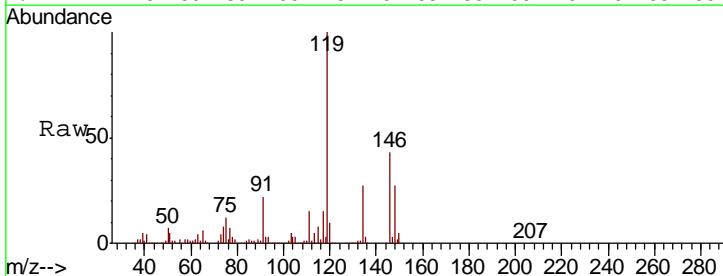
Tgt Ion	Resp	Lower	Upper
105	624638		
134	20.2	10.1	30.3

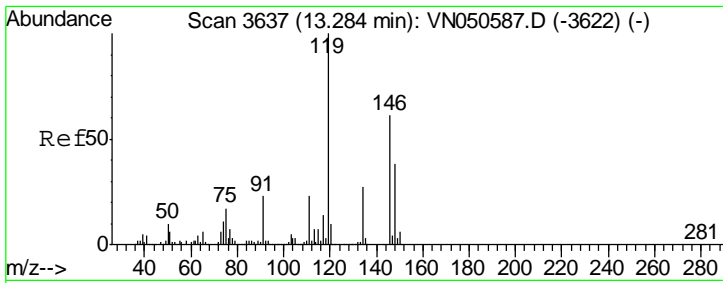
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:31:31 PM



#86
 p-Isopropyltoluene
 Concen: 22.77 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
119	529999		
134	26.8	13.5	40.4
91	22.8	11.2	33.6



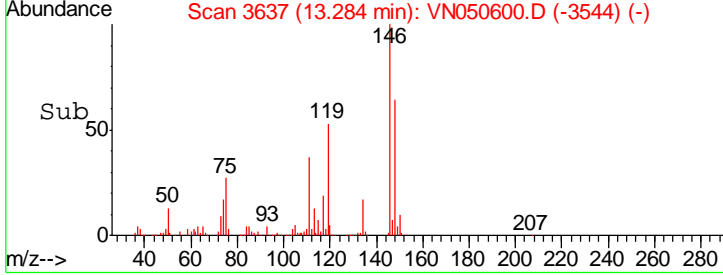
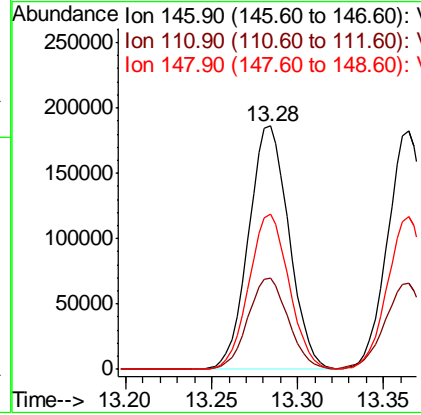
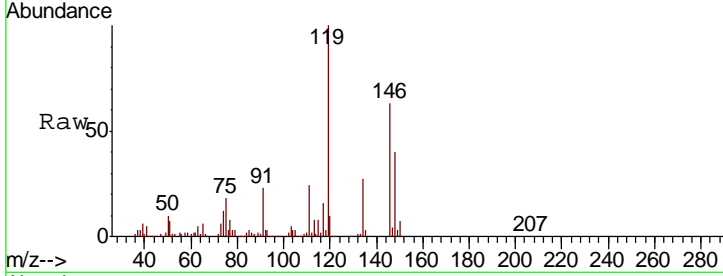


#87
 1,3-Dichlorobenzene
 Concen: 21.77 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

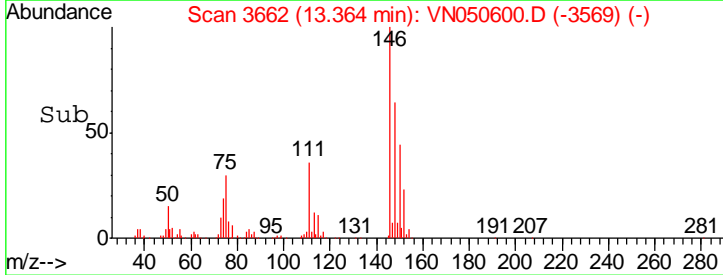
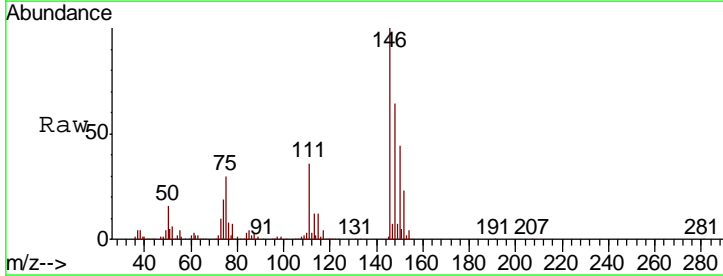
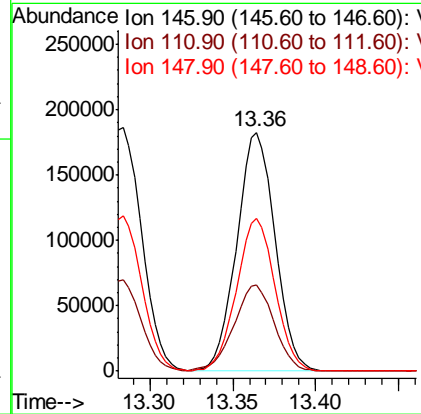
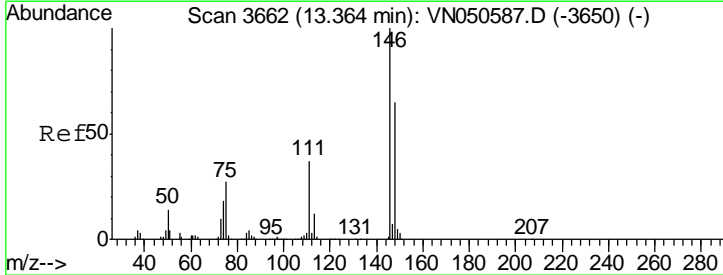
Tgt Ion	Resp	Lower	Upper
146	100		
111	37.4	19.2	57.6
148	63.2	31.9	95.7

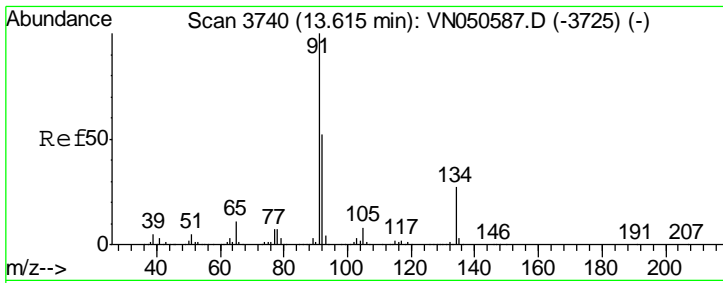
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:31:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.11 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	64.3	32.3	96.8





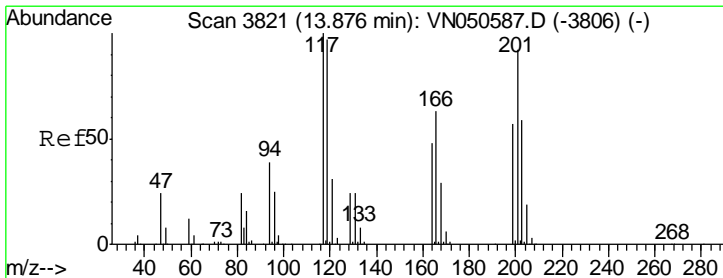
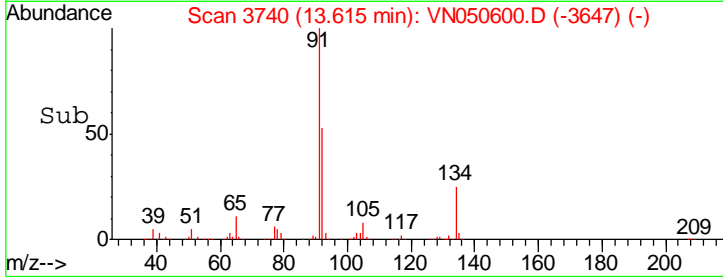
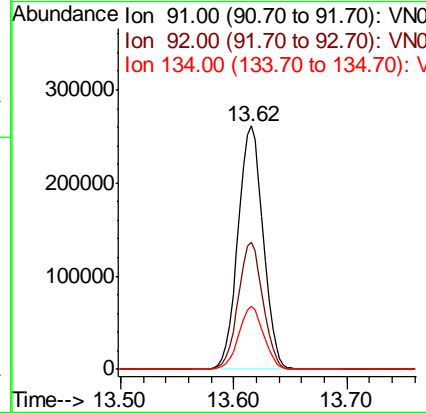
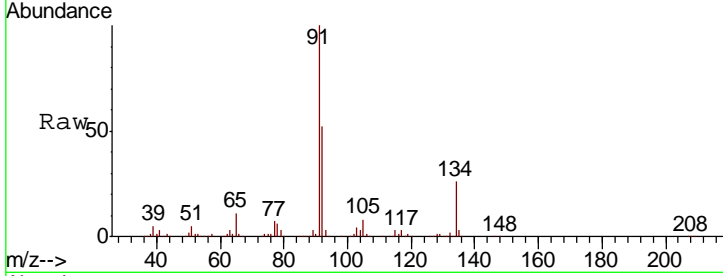
#89
 n-Butylbenzene
 Concen: 21.58 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
91	100		
92	51.1	26.3	78.8
134	25.4	13.3	39.9

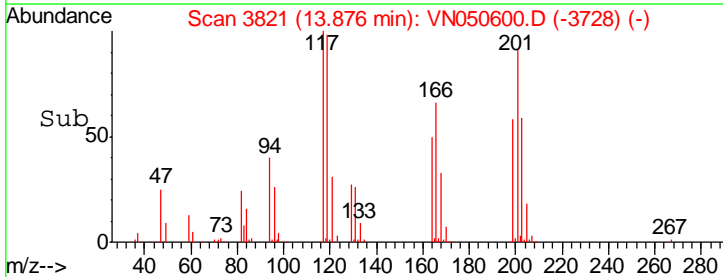
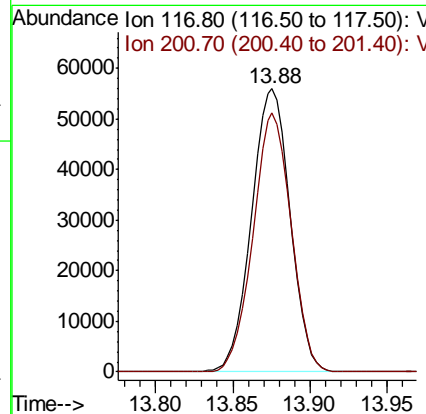
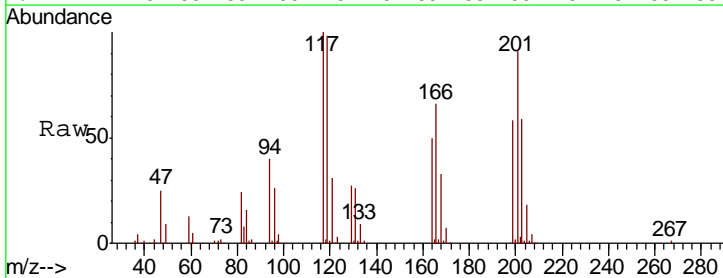
Manual Integrations
 APPROVED

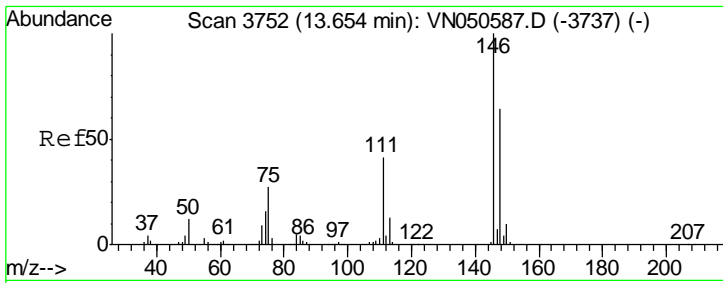
MMDadoda
 8/15/2018 3:31:31 PM



#90
 Hexachloroethane
 Concen: 20.79 ug/l
 RT: 13.88 min Scan# 3821
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
117	100		
201	90.0	45.5	136.5





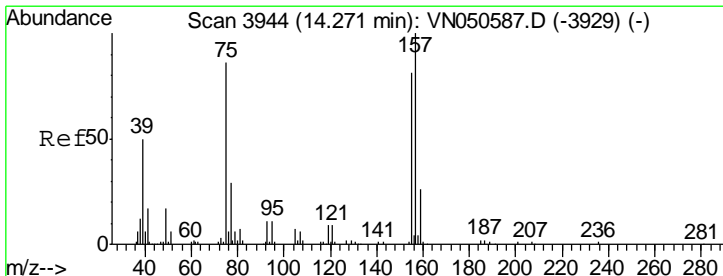
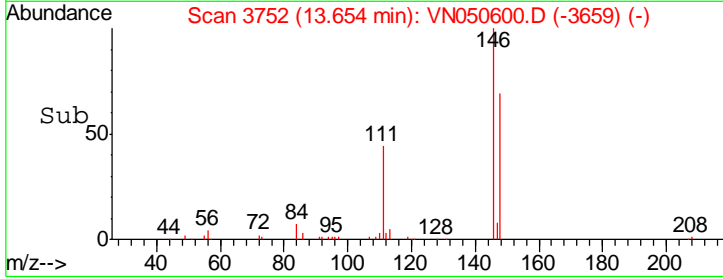
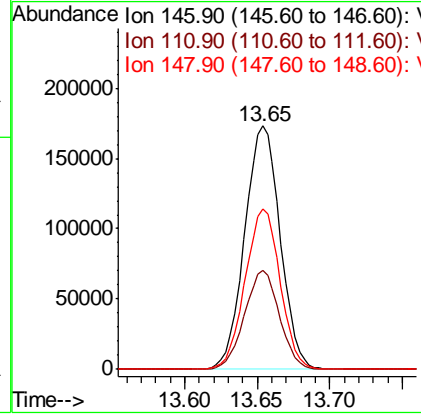
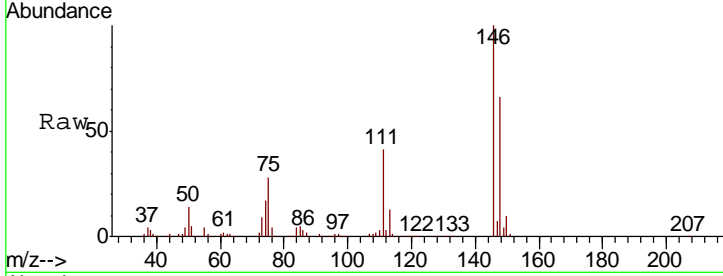
#91
 1,2-Dichlorobenzene
 Concen: 21.57 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
146	100		
111	40.0	19.8	59.4
148	65.0	32.3	96.8

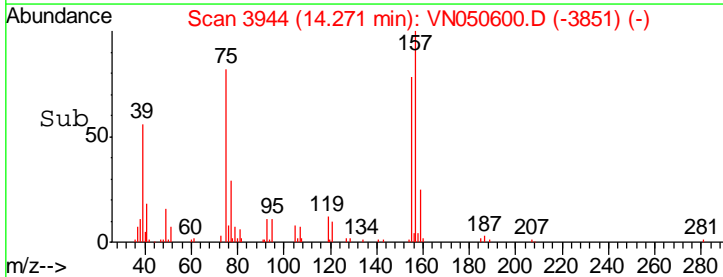
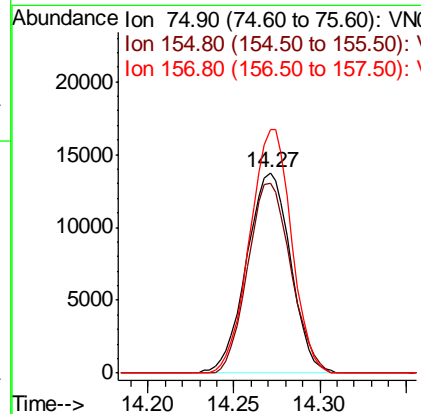
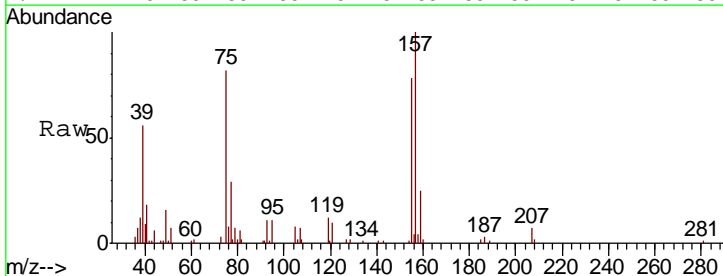
Manual Integrations
 APPROVED

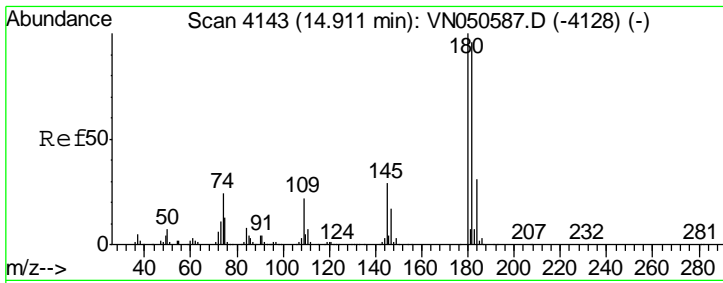
MMDadoda
 8/15/2018 3:31:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.62 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
75	100		
155	92.5	46.6	139.8
157	114.9	58.1	174.2



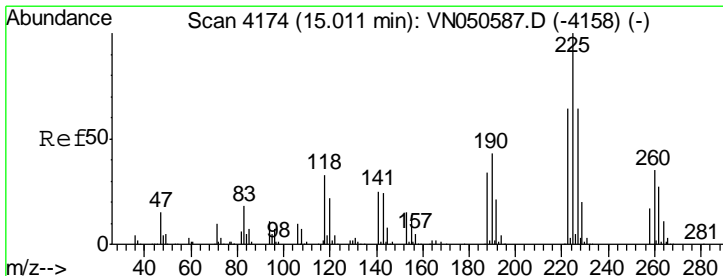
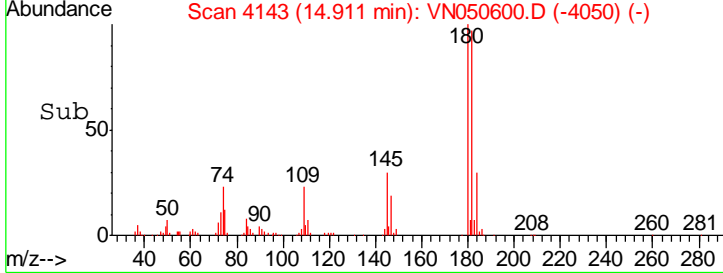
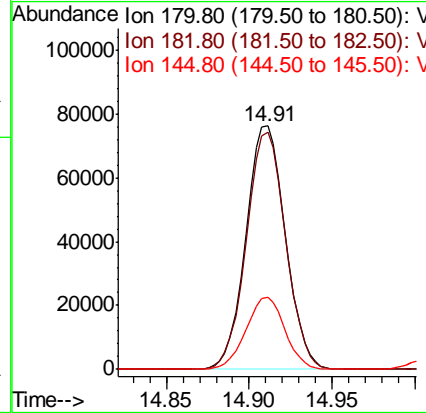
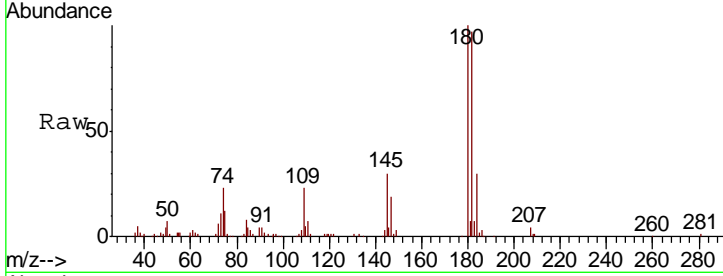


#93
 1,2,4-Trichlorobenzene
 Concen: 19.74 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument : MSVOA_N
 ClientSampled : VN0814WBSD01

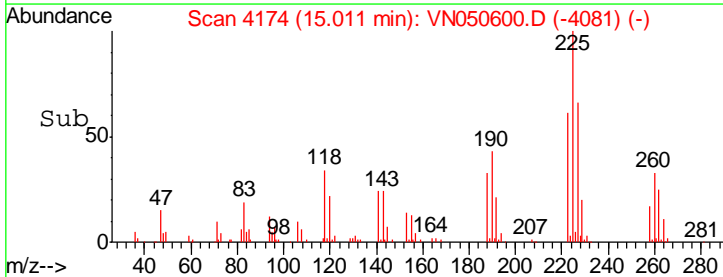
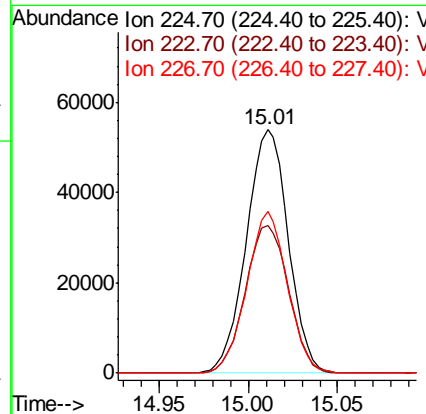
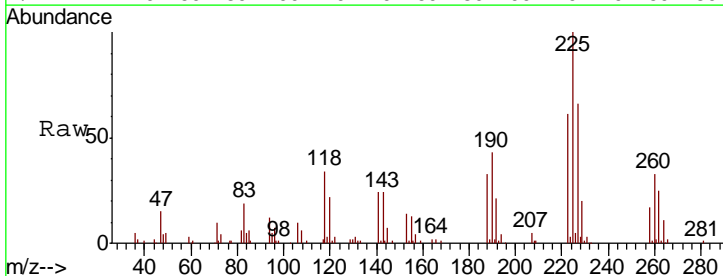
Tgt Ion	Resp	Lower	Upper
180	126195		
182	96.9	47.9	143.7
145	29.2	14.4	43.4

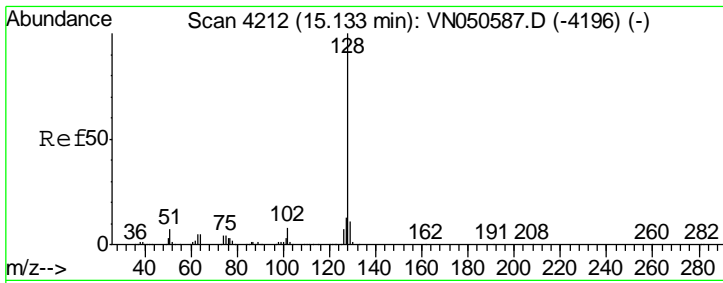
Manual Integrations
APPROVED
 MMDadoda
 8/15/2018 3:31:31 PM



#94
 Hexachlorobutadiene
 Concen: 21.14 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
225	88371		
223	62.9	32.1	96.3
227	64.3	32.0	96.2





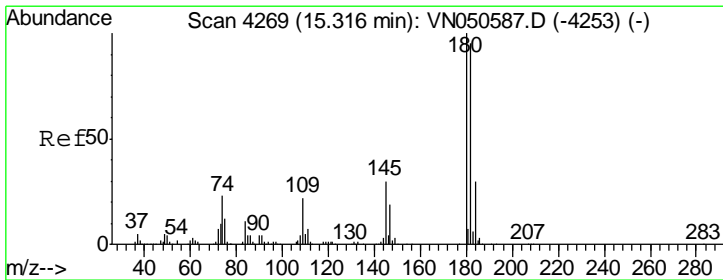
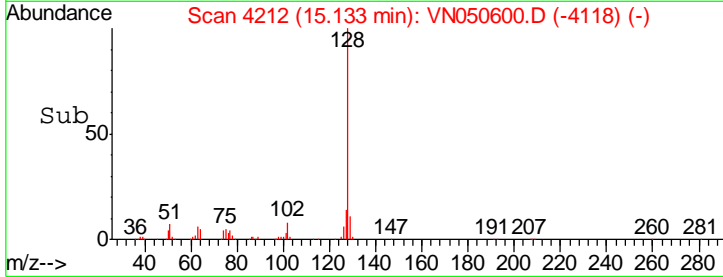
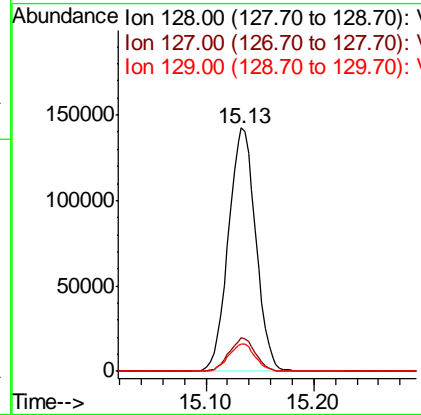
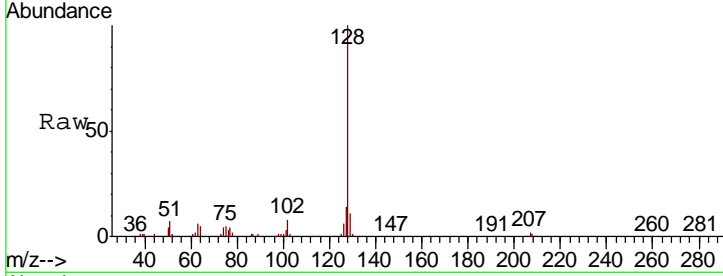
#95
 Naphthalene
 Concen: 19.45 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Instrument :
 MSVOA_N
 Client Sampled :
 VN0814WBSD01

Tgt Ion	Resp	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.9	8.5	12.7

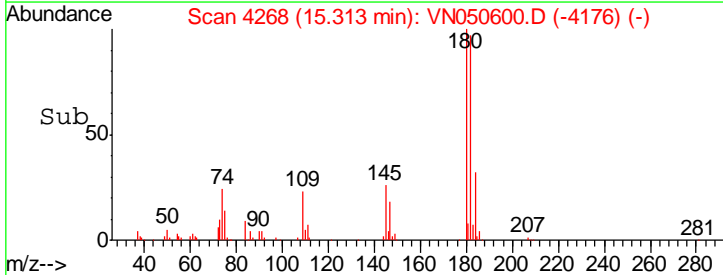
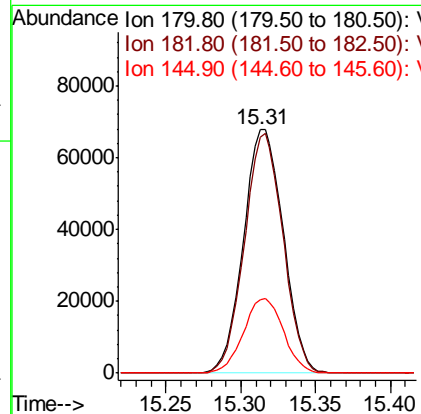
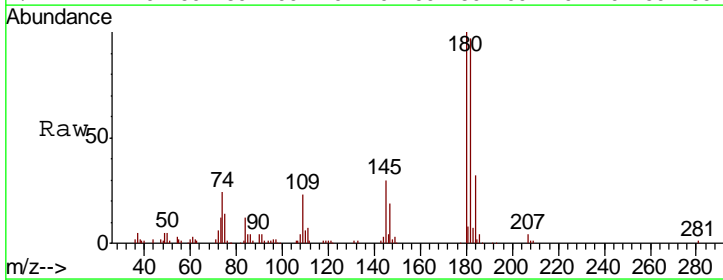
Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:31:31 PM



#96
 1,2,3-Trichlorobenzene
 Concen: 20.42 ug/l
 RT: 15.31 min Scan# 4268
 Delta R.T. -0.00 min
 Lab File: VN050600.D
 Acq: 14 Aug 2018 14:22

Tgt Ion	Resp	Lower	Upper
180	100		
182	95.0	47.3	141.8
145	30.6	14.6	44.0



Manual Integration Report

Sequence:	VN081418	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC001	VN050584.D	1,2,3-Trichloropropane	john	8/15/2018 9:13:51 AM	MMDadoda	8/15/2018 3:20:52 PM	Peak Integrated by Software incorrectly
VSTDIC001	VN050584.D	1,4-Dichlorobenzene	john	8/15/2018 9:13:51 AM	MMDadoda	8/15/2018 3:20:52 PM	Peak Integrated by Software incorrectly
VSTDIC001	VN050584.D	Methacrylonitrile	john	8/15/2018 9:13:51 AM	MMDadoda	8/15/2018 3:20:52 PM	Peak Integrated by Software incorrectly
VSTDIC005	VN050585.D	1,2,3-Trichloropropane	john	8/15/2018 9:13:55 AM	MMDadoda	8/15/2018 3:20:57 PM	Peak Integrated by Software incorrectly
VSTDIC020	VN050586.D	1,2,3-Trichloropropane	john	8/15/2018 9:14:00 AM	MMDadoda	8/15/2018 3:21:04 PM	Peak Integrated by Software incorrectly
VSTDIC050	VN050587.D	1,2,3-Trichloropropane	john	8/15/2018 9:14:06 AM	MMDadoda	8/15/2018 3:21:11 PM	Peak Integrated by Software incorrectly
VSTDIC100	VN050588.D	1,2,3-Trichloropropane	john	8/15/2018 9:14:11 AM	MMDadoda	8/15/2018 3:21:42 PM	Peak Integrated by Software incorrectly
VSTDIC150	VN050589.D	1,2,3-Trichloropropane	john	8/15/2018 9:14:16 AM	MMDadoda	8/15/2018 3:21:47 PM	Peak Integrated by Software incorrectly
VSTDICV050	VN050590.D	1,2,3-Trichloropropane	john	8/15/2018 9:14:20 AM	MMDadoda	8/15/2018 3:21:52 PM	Peak Integrated by Software incorrectly
VSTDIC050	VN050592.D	1,2,3-Trichloropropane	Sweetuben	8/15/2018 3:22:42 PM	MMDadoda	8/15/2018 3:31:20 PM	Peak Integrated by Software incorrectly
VN0814WBS01	VN050595.D	1,2,3-Trichloropropane	Sweetuben	8/15/2018 3:22:51 PM	MMDadoda	8/15/2018 3:31:25 PM	Peak Integrated by Software incorrectly
VN0814WBS01	VN050595.D	Methacrylonitrile	Sweetuben	8/15/2018 3:22:51 PM	MMDadoda	8/15/2018 3:31:25 PM	Peak Integrated by Software incorrectly
VN0814WBSD01	VN050600.D	1,2,3-Trichloropropane	Sweetuben	8/15/2018 3:23:44 PM	MMDadoda	8/15/2018 3:31:31 PM	Peak Integrated by Software incorrectly



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	VN081418	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN050617.D	1,2,3-Trichloropropane	Sweetuben	8/15/2018 3:22:56 PM	MMDadoda	8/15/2018 3:32:16 PM	Peak Integrated by Software incorrectly

- 1
- 2
- 3
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- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Manual Integration Report

Sequence:

VN081518

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN050639.D	1,2,3-Trichloropropane	Sweetuben	8/16/2018 8:59:31 AM	MMDadoda	8/16/2018 1:18:21 PM	Peak Integrated by Software incorrectly
VN0815WBS01	VN050642.D	1,2,3-Trichloropropane	Sweetuben	8/16/2018 8:59:26 AM	MMDadoda	8/16/2018 1:18:28 PM	Peak Integrated by Software incorrectly
VSTDCCC020	VN050667.D	1,2,3-Trichloropropane	Sweetuben	8/16/2018 8:59:08 AM	MMDadoda	8/16/2018 1:18:43 PM	Peak Integrated by Software incorrectly
VSTDCCC050	VN050674.D	1,2,3-Trichloropropane	Sweetuben	8/16/2018 8:58:33 AM	MMDadoda	8/16/2018 1:19:08 PM	Peak Integrated by Software incorrectly
VSTDCCC020	VN050687.D	1,2,3-Trichloropropane	Sweetuben	8/16/2018 8:58:18 AM	MMDadoda	8/16/2018 4:05:41 PM	Peak Integrated by Software incorrectly
VSTDCCC020	VN050687.D	Ethyl Acetate	Sweetuben	8/16/2018 8:58:18 AM	MMDadoda	8/16/2018 4:05:41 PM	Peak Integrated by Software incorrectly

Daily Analysis Runlog For Sequence/QC Batch ID # VN081418

Review By	Sweetuben	Review On	8/15/2018 3:23:54 PM		
Supervise By	MMDadoda	Supervise On	8/15/2018 3:33:09 PM		
SubDirectory	VN081418	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP73936,VP73999,VP74030				
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967				
CCC	VP74000,VP74031				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP73969				

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN050583.D	13 Aug 2018 22:57	MD\SY	Ok
2	VSTDIC001	VN050584.D	13 Aug 2018 23:46	MD\SY	Ok,M
3	VSTDIC005	VN050585.D	14 Aug 2018 00:11	MD\SY	Ok,M
4	VSTDIC020	VN050586.D	14 Aug 2018 00:35	MD\SY	Ok,M
5	VSTDIC050	VN050587.D	14 Aug 2018 1:00	MD\SY	Ok,M
6	VSTDIC100	VN050588.D	14 Aug 2018 1:24	MD\SY	Ok,M
7	VSTDIC150	VN050589.D	14 Aug 2018 1:49	MD\SY	Ok,M
8	VSTDICV050	VN050590.D	14 Aug 2018 2:13	MD\SY	Ok,M
9	BFB	VN050591.D	14 Aug 2018 10:11	MD\SY	Ok
10	VSTDIC050	VN050592.D	14 Aug 2018 10:45	MD\SY	Ok,M
11	VN0814WBL01	VN050593.D	14 Aug 2018 11:22	MD\SY	Ok
12	VN0814MBL01	VN050594.D	14 Aug 2018 11:53	MD\SY	Ok
13	VN0814WBS01	VN050595.D	14 Aug 2018 12:18	MD\SY	Ok,M
14	J4426-01	VN050596.D	14 Aug 2018 12:43	MD\SY	Ok
15	J4426-02	VN050597.D	14 Aug 2018 13:08	MD\SY	Ok
16	J4426-03	VN050598.D	14 Aug 2018 13:32	MD\SY	Ok
17	J4426-04	VN050599.D	14 Aug 2018 13:57	MD\SY	Ok
18	VN0814WBSD01	VN050600.D	14 Aug 2018 14:22	MD\SY	Ok,M
19	PB112007TB	VN050601.D	14 Aug 2018 14:46	MD\SY	Ok
20	PB112007ZHE#03	VN050602.D	14 Aug 2018 15:11	MD\SY	Ok
21	PB112004TB	VN050603.D	14 Aug 2018 15:36	MD\SY	Ok
22	J4459-02	VN050604.D	14 Aug 2018 16:00	MD\SY	Ok
23	J4459-01	VN050605.D	14 Aug 2018 16:25	MD\SY	Ok
24	J4427-03	VN050606.D	14 Aug 2018 16:50	MD\SY	Ok
25	J4442-50	VN050607.D	14 Aug 2018 17:14	MD\SY	Ok
26	J4442-40	VN050608.D	14 Aug 2018 17:39	MD\SY	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN081418

Review By	Sweetuben	Review On	8/15/2018 3:23:54 PM		
Supervise By	MMDadoda	Supervise On	8/15/2018 3:33:09 PM		
SubDirectory	VN081418	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP73936,VP73999,VP74030				
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967				
CCC	VP74000,VP74031				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP73969				

27	J4469-01	VN050609.D	14 Aug 2018 18:04	MD\SY	Dilution
28	J4469-02	VN050610.D	14 Aug 2018 18:29	MD\SY	Ok
29	J4469-03	VN050611.D	14 Aug 2018 18:53	MD\SY	Ok
30	J4469-04	VN050612.D	14 Aug 2018 19:18	MD\SY	Dilution
31	J4469-05	VN050613.D	14 Aug 2018 19:43	MD\SY	Ok
32	J4469-06	VN050614.D	14 Aug 2018 20:08	MD\SY	Ok
33	J4465-05	VN050615.D	14 Aug 2018 20:32	MD\SY	Ok
34	BFB	VN050616.D	14 Aug 2018 21:21	MD\SY	Ok
35	VSTDCCC050	VN050617.D	14 Aug 2018 21:46	MD\SY	Ok,M
36	VN0814WBL02	VN050618.D	14 Aug 2018 22:35	MD\SY	Ok
37	VN0814WBS02	VN050619.D	14 Aug 2018 23:00	MD\SY	Ok,M
38	VN0814WBSD02	VN050620.D	14 Aug 2018 23:25	MD\SY	Ok,M
39	J4465-17	VN050621.D	14 Aug 2018 23:49	MD\SY	Ok
40	J4465-01	VN050622.D	15 Aug 2018 00:14	MD\SY	Dilution
41	J4465-02	VN050623.D	15 Aug 2018 00:39	MD\SY	ReRun
42	J4465-03	VN050624.D	15 Aug 2018 1:03	MD\SY	Dilution
43	J4465-04	VN050625.D	15 Aug 2018 1:28	MD\SY	ReRun
44	J4465-08	VN050626.D	15 Aug 2018 1:53	MD\SY	Not Ok
45	J4465-09	VN050627.D	15 Aug 2018 2:17	MD\SY	Not Ok
46	J4465-10	VN050628.D	15 Aug 2018 2:42	MD\SY	Dilution
47	J4465-11	VN050629.D	15 Aug 2018 3:07	MD\SY	Not Ok
48	J4465-12	VN050630.D	15 Aug 2018 3:31	MD\SY	Not Ok
49	J4465-13	VN050631.D	15 Aug 2018 3:56	MD\SY	Dilution
50	J4465-14	VN050632.D	15 Aug 2018 4:21	MD\SY	ReRun
51	J4465-15	VN050633.D	15 Aug 2018 4:45	MD\SY	Dilution
52	J4465-16	VN050634.D	15 Aug 2018 5:10	MD\SY	Not Ok
53	J4474-01	VN050635.D	15 Aug 2018 5:34	MD\SY	Not Ok



Daily Analysis Runlog For Sequence/QC Batch ID # VN081418

Review By	Sweetuben	Review On	8/15/2018 3:23:54 PM		
Supervise By	MMDadoda	Supervise On	8/15/2018 3:33:09 PM		
SubDirectory	VN081418	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP73936,VP73999,VP74030				
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967				
CCC	VP74000,VP74031				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP73969				

54	J4465-06MS	VN050636.D	15 Aug 2018 5:59	MD\SY	Ok,M
55	J4465-07MSD	VN050637.D	15 Aug 2018 6:23	MD\SY	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN081518

Review By	Sweetuben	Review On	8/16/2018 8:59:48 AM		
Supervise By	MMDadoda	Supervise On	8/16/2018 1:50:47 PM		
SubDirectory	VN081518	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP74061,VP74062				
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967				
CCC	VP74063,VP74064,VP74065,VP74066				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP73969				

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB	VN050638.D	15 Aug 2018 7:55	MD\SY	Ok
2	VSTDCCC050	VN050639.D	15 Aug 2018 8:26	MD\SY	Ok,M
3	VN0815WBL01	VN050640.D	15 Aug 2018 9:03	MD\SY	Ok
4	VN0815MBL01	VN050641.D	15 Aug 2018 9:28	MD\SY	Ok
5	VN0815WBS01	VN050642.D	15 Aug 2018 9:52	MD\SY	Ok,M
6	VN0815WBSD01	VN050643.D	15 Aug 2018 10:17	MD\SY	Ok,M
7	J4469-01DL	VN050644.D	15 Aug 2018 10:42	MD\SY	Ok
8	J4469-04DL	VN050645.D	15 Aug 2018 11:06	MD\SY	Ok
9	J4465-01DL	VN050646.D	15 Aug 2018 11:31	MD\SY	Ok
10	J4465-03DL	VN050647.D	15 Aug 2018 11:56	MD\SY	Ok
11	J4465-10DL	VN050648.D	15 Aug 2018 12:20	MD\SY	Ok
12	J4465-13DL	VN050649.D	15 Aug 2018 12:45	MD\SY	Ok
13	J4465-15DL	VN050650.D	15 Aug 2018 13:09	MD\SY	Ok
14	J4474-01	VN050651.D	15 Aug 2018 13:34	MD\SY	Ok
15	J4465-02	VN050652.D	15 Aug 2018 13:59	MD\SY	Ok
16	J4465-04	VN050653.D	15 Aug 2018 14:24	MD\SY	Ok
17	J4465-08	VN050654.D	15 Aug 2018 14:48	MD\SY	Ok
18	J4465-09	VN050655.D	15 Aug 2018 15:13	MD\SY	Ok
19	J4465-11	VN050656.D	15 Aug 2018 15:38	MD\SY	Ok
20	J4465-12	VN050657.D	15 Aug 2018 16:03	MD\SY	Ok
21	J4465-14	VN050658.D	15 Aug 2018 16:28	MD\SY	Ok
22	J4465-16	VN050659.D	15 Aug 2018 16:52	MD\SY	Ok
23	PB1112055TB	VN050660.D	15 Aug 2018 17:17	MD\SY	Ok
24	PB1112055ZHE#01	VN050661.D	15 Aug 2018 17:42	MD\SY	Ok
25	PB1112055ZHE#02	VN050662.D	15 Aug 2018 18:07	MD\SY	Ok
26	PB1112055ZHE#03	VN050663.D	15 Aug 2018 18:32	MD\SY	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN081518

Review By	Sweetuben	Review On	8/16/2018 8:59:48 AM		
Supervise By	MMDadoda	Supervise On	8/16/2018 1:50:47 PM		
SubDirectory	VN081518	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m
STD. NAME	STD REF.#				
Tune/Reschk	VP74061,VP74062				
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967				
CCC	VP74063,VP74064,VP74065,VP74066				
Internal Standard/PEM	VP69523				
ICV/I.BLK	VP73969				

27	PB1112055ZHE#04	VN050664.D	15 Aug 2018 18:56	MD\SY	Ok
28	PB1112055ZHE#05	VN050665.D	15 Aug 2018 19:21	MD\SY	Ok
29	BFB	VN050666.D	15 Aug 2018 20:11	MD\SY	Ok
30	VSTDCCC020	VN050667.D	15 Aug 2018 20:35	MD\SY	Ok,M
31	VN0815WBL02	VN050668.D	15 Aug 2018 21:25	MD\SY	Ok
32	VN0815WBS02	VN050669.D	15 Aug 2018 21:50	MD\SY	Ok,M
33	VN0815WBSD02	VN050670.D	15 Aug 2018 22:14	MD\SY	Ok,M
34	J4458-01	VN050671.D	15 Aug 2018 22:39	MD\SY	Ok
35	J4458-02	VN050672.D	15 Aug 2018 23:04	MD\SY	Ok
36	J4458-03	VN050673.D	15 Aug 2018 23:29	MD\SY	Ok,M
37	VSTDCCC050	VN050674.D	15 Aug 2018 23:53	MD\SY	Ok,M
38	VN0815WBL03	VN050675.D	16 Aug 2018 00:43	MD\SY	Ok
39	VN0815WBS03	VN050676.D	16 Aug 2018 1:07	MD\SY	Ok,M
40	VN0815WBSD03	VN050677.D	16 Aug 2018 1:32	MD\SY	Ok,M
41	PB1112055ZHE#06	VN050678.D	16 Aug 2018 1:57	MD\SY	Ok
42	PB1112055ZHE#07	VN050679.D	16 Aug 2018 2:22	MD\SY	Ok
43	J4471-04	VN050680.D	16 Aug 2018 2:46	MD\SY	Ok
44	J4471-08	VN050681.D	16 Aug 2018 3:11	MD\SY	Ok
45	J4471-12	VN050682.D	16 Aug 2018 3:36	MD\SY	Ok
46	J4471-16	VN050683.D	16 Aug 2018 4:01	MD\SY	Ok
47	J4471-20	VN050684.D	16 Aug 2018 4:26	MD\SY	Ok
48	J4471-24	VN050685.D	16 Aug 2018 4:50	MD\SY	Ok
49	J4471-27	VN050686.D	16 Aug 2018 5:15	MD\SY	Ok
50	VSTDCCC020	VN050687.D	16 Aug 2018 5:40	MD\SY	Ok,M

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN081418

Review By	Sweetuben	Review On	8/15/2018 3:23:54 PM		
Supervise By	MMDadoda	Supervise On	8/15/2018 3:33:09 PM		
SubDirectory	VN081418	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m

STD. NAME	STD REF.#
Tune/Reschk	VP73936,VP73999,VP74030
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967
CCC	VP74000,VP74031
Internal Standard/PEM	VP69523
ICV/ILBLK	VP73969

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN050583.D	13 Aug 2018 22:57		MD\SY	Ok
2	VSTDIC001	VSTDIC001	VN050584.D	13 Aug 2018 23:46	Method pass for DOD	MD\SY	Ok,M
3	VSTDIC005	VSTDIC005	VN050585.D	14 Aug 2018 00:11	Comp # 3,5,6,10,13,16,18,20,31,56,58,7 0,75,76,93,95,96 kept on L.R.	MD\SY	Ok,M
4	VSTDIC020	VSTDIC020	VN050586.D	14 Aug 2018 00:35		MD\SY	Ok,M
5	VSTDIC050	VSTDIC050	VN050587.D	14 Aug 2018 1:00	pH#LOT#V7385	MD\SY	Ok,M
6	VSTDIC100	VSTDIC100	VN050588.D	14 Aug 2018 1:24		MD\SY	Ok,M
7	VSTDIC150	VSTDIC150	VN050589.D	14 Aug 2018 1:49		MD\SY	Ok,M
8	VSTDICV050	ICVVN081418	VN050590.D	14 Aug 2018 2:13		MD\SY	Ok,M
9	BFB	BFB	VN050591.D	14 Aug 2018 10:11		MD\SY	Ok
10	VSTDIC050	VSTDIC050	VN050592.D	14 Aug 2018 10:45		MD\SY	Ok,M
11	VN0814WBL01	VN0814WBL01	VN050593.D	14 Aug 2018 11:22		MD\SY	Ok
12	VN0814MBL01	VN0814MBL01	VN050594.D	14 Aug 2018 11:53		MD\SY	Ok
13	VN0814WBS01	VN0814WBS01	VN050595.D	14 Aug 2018 12:18		MD\SY	Ok,M
14	J4426-01	STORAGEBLANK-SOIL	VN050596.D	14 Aug 2018 12:43	Vial A pH<2	MD\SY	Ok
15	J4426-02	STORAGEBLANK-SOIL	VN050597.D	14 Aug 2018 13:08	Vial A pH<2	MD\SY	Ok
16	J4426-03	STORAGEBLANK-WATER	VN050598.D	14 Aug 2018 13:32	Vial A pH<2	MD\SY	Ok
17	J4426-04	STORAGEBLANK-SAMPLE	VN050599.D	14 Aug 2018 13:57	Vial A pH<2	MD\SY	Ok
18	VN0814WBSD01	VN0814WBSD01	VN050600.D	14 Aug 2018 14:22		MD\SY	Ok,M
19	PB112007TB	PB112007TB	VN050601.D	14 Aug 2018 14:46		MD\SY	Ok
20	PB112007ZHE#03	PB112007ZHE#03	VN050602.D	14 Aug 2018 15:11		MD\SY	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN081418

Review By	Sweetuben	Review On	8/15/2018 3:23:54 PM				
Supervise By	MMDadoda	Supervise On	8/15/2018 3:33:09 PM				
SubDirectory	VN081418	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m		
STD. NAME	STD REF.#						
Tune/Reschk	VP73936,VP73999,VP74030						
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967						
CCC	VP74000,VP74031						
Internal Standard/PEM	VP69523						
ICV/I.BLK	VP73969						
21	PB112004TB	PB112004TB	VN050603.D	14 Aug 2018 15:36		MD\SY	Ok
22	J4459-02	FRAC-TANK-SV30518	VN050604.D	14 Aug 2018 16:00	Vial A	MD\SY	Ok
23	J4459-01	FRAC-TANK-SV30518	VN050605.D	14 Aug 2018 16:25	Vial A pH<2	MD\SY	Ok
24	J4427-03	RB47197	VN050606.D	14 Aug 2018 16:50	Vial A	MD\SY	Ok
25	J4442-50	SP-1-5	VN050607.D	14 Aug 2018 17:14	Vial A	MD\SY	Ok
26	J4442-40	SP-1-4	VN050608.D	14 Aug 2018 17:39	Vial A	MD\SY	Ok
27	J4469-01	956-IW-13(19)	VN050609.D	14 Aug 2018 18:04	Vial A pH<2 ,need 20x	MD\SY	Dilution
28	J4469-02	957-IW-14(17)	VN050610.D	14 Aug 2018 18:29	Vial A pH<2	MD\SY	Ok
29	J4469-03	958-IW-15(19)	VN050611.D	14 Aug 2018 18:53	Vial A pH<2	MD\SY	Ok
30	J4469-04	959-IW-16(19)	VN050612.D	14 Aug 2018 19:18	Vial A pH<2 ,need 10x	MD\SY	Dilution
31	J4469-05	960-IW-21(17)	VN050613.D	14 Aug 2018 19:43	Vial A pH<2	MD\SY	Ok
32	J4469-06	961-IW-22(17)	VN050614.D	14 Aug 2018 20:08	Vial A pH<2	MD\SY	Ok
33	J4465-05	944-MW-05(17)	VN050615.D	14 Aug 2018 20:32	Vial A pH<2	MD\SY	Ok
34	BFB	BFB	VN050616.D	14 Aug 2018 21:21		MD\SY	Ok
35	VSTDCCC050	VSTDCCC050	VN050617.D	14 Aug 2018 21:46		MD\SY	Ok,M
36	VN0814WBL02	VN0814WBL02	VN050618.D	14 Aug 2018 22:35		MD\SY	Ok
37	VN0814WBS02	VN0814WBS02	VN050619.D	14 Aug 2018 23:00		MD\SY	Ok,M
38	VN0814WBSD02	VN0814WBSD02	VN050620.D	14 Aug 2018 23:25		MD\SY	Ok,M
39	J4465-17	954-FB081318	VN050621.D	14 Aug 2018 23:49	Vial A pH<2	MD\SY	Ok
40	J4465-01	940-MW-01(23)	VN050622.D	15 Aug 2018 00:14	Vial A pH<2 ,need 100x	MD\SY	Dilution
41	J4465-02	941-MW-02(23.8)	VN050623.D	15 Aug 2018 00:39	Vial A pH<2 ,E flag in preious analysis	MD\SY	ReRun
42	J4465-03	942-MW-03A(17)	VN050624.D	15 Aug 2018 1:03	Vial A pH<2 ,need 10x	MD\SY	Dilution

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN081418

Review By	Sweetuben	Review On	8/15/2018 3:23:54 PM				
Supervise By	MMDadoda	Supervise On	8/15/2018 3:33:09 PM				
SubDirectory	VN081418	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m		
STD. NAME	STD REF.#						
Tune/Reschk	VP73936,VP73999,VP74030						
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967						
CCC	VP74000,VP74031						
Internal Standard/PEM	VP69523						
ICV/I.BLK	VP73969						
43	J4465-04	943-MW-04(23)	VN050625.D	15 Aug 2018 1:28	Vial A pH<2 ,E flag in preious analysis	MD\SY	ReRun
44	J4465-08	945-MW-06(17)	VN050626.D	15 Aug 2018 1:53	Vial A pH<2 ,confirm hit	MD\SY	Not Ok
45	J4465-09	946-MW-07(22.5)	VN050627.D	15 Aug 2018 2:17	Vial A pH<2 confirm hit	MD\SY	Not Ok
46	J4465-10	947-MW-11(15)	VN050628.D	15 Aug 2018 2:42	Vial A pH<2 ,need 5x	MD\SY	Dilution
47	J4465-11	948-MW-15(17)	VN050629.D	15 Aug 2018 3:07	Vial A pH<2 ,confirm hit	MD\SY	Not Ok
48	J4465-12	949-MW-16(22.5)	VN050630.D	15 Aug 2018 3:31	Vial A pH<2 ,confirm hit	MD\SY	Not Ok
49	J4465-13	950-MW-17(15.5)	VN050631.D	15 Aug 2018 3:56	Vial A pH<2 ,need 100x	MD\SY	Dilution
50	J4465-14	951-MW-18(21.5)	VN050632.D	15 Aug 2018 4:21	Vial A pH<2 ,E flag in preious analysis	MD\SY	ReRun
51	J4465-15	952-MW-19(28)	VN050633.D	15 Aug 2018 4:45	Vial A pH<2 ,need 4x	MD\SY	Dilution
52	J4465-16	953-MW-20(22)	VN050634.D	15 Aug 2018 5:10	Vial A pH<2 ,confirm hit	MD\SY	Not Ok
53	J4474-01	FRAC-TANK-SV28570	VN050635.D	15 Aug 2018 5:34	Vial A pH<2 ,confirm hit	MD\SY	Not Ok
54	J4465-06MS	944-MW-05(17)MS	VN050636.D	15 Aug 2018 5:59	Vial A pH<2	MD\SY	Ok,M
55	J4465-07MSD	944-MW-05(17)MSD	VN050637.D	15 Aug 2018 6:23	Vial A pH<2	MD\SY	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # VN081518

Review By	Sweetuben	Review On	8/16/2018 8:59:48 AM		
Supervise By	MMDadoda	Supervise On	8/16/2018 1:50:47 PM		
SubDirectory	VN081518	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m

STD. NAME	STD REF.#
Tune/Reschk	VP74061,VP74062
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967
CCC	VP74063,VP74064,VP74065,VP74066
Internal Standard/PEM	VP69523
ICV/ILBLK	VP73969

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN050638.D	15 Aug 2018 7:55		MD\SY	Ok
2	VSTDCCC050	VSTDCCC050	VN050639.D	15 Aug 2018 8:26		MD\SY	Ok,M
3	VN0815WBL01	VN0815WBL01	VN050640.D	15 Aug 2018 9:03		MD\SY	Ok
4	VN0815MBL01	VN0815MBL01	VN050641.D	15 Aug 2018 9:28	pH#LOT#V7385	MD\SY	Ok
5	VN0815WBS01	VN0815WBS01	VN050642.D	15 Aug 2018 9:52		MD\SY	Ok,M
6	VN0815WBSD01	VN0815WBSD01	VN050643.D	15 Aug 2018 10:17		MD\SY	Ok,M
7	J4469-01DL	956-IW-13(19)DL	VN050644.D	15 Aug 2018 10:42		MD\SY	Ok
8	J4469-04DL	959-IW-16(19)DL	VN050645.D	15 Aug 2018 11:06		MD\SY	Ok
9	J4465-01DL	940-MW-01(23)DL	VN050646.D	15 Aug 2018 11:31		MD\SY	Ok
10	J4465-03DL	942-MW-03A(17)DL	VN050647.D	15 Aug 2018 11:56		MD\SY	Ok
11	J4465-10DL	947-MW-11(15)DL	VN050648.D	15 Aug 2018 12:20		MD\SY	Ok
12	J4465-13DL	950-MW-17(15.5)DL	VN050649.D	15 Aug 2018 12:45		MD\SY	Ok
13	J4465-15DL	952-MW-19(28)DL	VN050650.D	15 Aug 2018 13:09		MD\SY	Ok
14	J4474-01	FRAC-TANK-SV28570	VN050651.D	15 Aug 2018 13:34	Vial B pH<2	MD\SY	Ok
15	J4465-02	941-MW-02(23.8)	VN050652.D	15 Aug 2018 13:59	Vial B pH<2	MD\SY	Ok
16	J4465-04	943-MW-04(23)	VN050653.D	15 Aug 2018 14:24	Vial B pH<2	MD\SY	Ok
17	J4465-08	945-MW-06(17)	VN050654.D	15 Aug 2018 14:48	Vial B pH<2	MD\SY	Ok
18	J4465-09	946-MW-07(22.5)	VN050655.D	15 Aug 2018 15:13	Vial B pH<2	MD\SY	Ok
19	J4465-11	948-MW-15(17)	VN050656.D	15 Aug 2018 15:38	Vial B pH<2	MD\SY	Ok
20	J4465-12	949-MW-16(22.5)	VN050657.D	15 Aug 2018 16:03	Vial B pH<2	MD\SY	Ok
21	J4465-14	951-MW-18(21.5)	VN050658.D	15 Aug 2018 16:28	Vial B pH<2	MD\SY	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VN081518

Review By	Sweetuben	Review On	8/16/2018 8:59:48 AM				
Supervise By	MMDadoda	Supervise On	8/16/2018 1:50:47 PM				
SubDirectory	VN081518	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m		
STD. NAME	STD REF.#						
Tune/Reschk	VP74061,VP74062						
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967						
CCC	VP74063,VP74064,VP74065,VP74066						
Internal Standard/PEM	VP69523						
ICV/I.BLK	VP73969						
22	J4465-16	953-MW-20(22)	VN050659.D	15 Aug 2018 16:52	Vial B pH<2	MD\SY	Ok
23	PB1112055TB	PB1112055TB	VN050660.D	15 Aug 2018 17:17	HIT of comp# 16,43	MD\SY	Ok
24	PB1112055ZHE#01	PB1112055ZHE#01	VN050661.D	15 Aug 2018 17:42	HIT of comp# 16,43	MD\SY	Ok
25	PB1112055ZHE#02	PB1112055ZHE#02	VN050662.D	15 Aug 2018 18:07	HIT of comp# 16,18,43	MD\SY	Ok
26	PB1112055ZHE#03	PB1112055ZHE#03	VN050663.D	15 Aug 2018 18:32	HIT of comp# 16,18,43	MD\SY	Ok,M
27	PB1112055ZHE#04	PB1112055ZHE#04	VN050664.D	15 Aug 2018 18:56	HIT of comp# 16,18,25,43	MD\SY	Ok
28	PB1112055ZHE#05	PB1112055ZHE#05	VN050665.D	15 Aug 2018 19:21	HIT of comp# 16,18,43	MD\SY	Ok
29	BFB	BFB	VN050666.D	15 Aug 2018 20:11		MD\SY	Ok
30	VSTDCCC020	VSTDCCC020	VN050667.D	15 Aug 2018 20:35		MD\SY	Ok,M
31	VN0815WBL02	VN0815WBL02	VN050668.D	15 Aug 2018 21:25		MD\SY	Ok
32	VN0815WBS02	VN0815WBS02	VN050669.D	15 Aug 2018 21:50		MD\SY	Ok,M
33	VN0815WBSD02	VN0815WBSD02	VN050670.D	15 Aug 2018 22:14		MD\SY	Ok,M
34	J4458-01	MH-92A	VN050671.D	15 Aug 2018 22:39	Vial A pH<2	MD\SY	Ok
35	J4458-02	MH-93	VN050672.D	15 Aug 2018 23:04	Vial A pH<2	MD\SY	Ok
36	J4458-03	MH-94	VN050673.D	15 Aug 2018 23:29	Vial A pH<2	MD\SY	Ok,M
37	VSTDCCC050	VSTDCCC050	VN050674.D	15 Aug 2018 23:53		MD\SY	Ok,M
38	VN0815WBL03	VN0815WBL03	VN050675.D	16 Aug 2018 00:43		MD\SY	Ok
39	VN0815WBS03	VN0815WBS03	VN050676.D	16 Aug 2018 1:07		MD\SY	Ok,M
40	VN0815WBSD03	VN0815WBSD03	VN050677.D	16 Aug 2018 1:32		MD\SY	Ok,M
41	PB1112055ZHE#06	PB1112055ZHE#06	VN050678.D	16 Aug 2018 1:57	HIT of comp# 16,18,43,70,95	MD\SY	Ok
42	PB1112055ZHE#07	PB1112055ZHE#07	VN050679.D	16 Aug 2018 2:22	HIT of comp# 16,18,43	MD\SY	Ok
43	J4471-04	TP-1	VN050680.D	16 Aug 2018 2:46	Vial A	MD\SY	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN081518

Review By	Sweetuben	Review On	8/16/2018 8:59:48 AM		
Supervise By	MMDadoda	Supervise On	8/16/2018 1:50:47 PM		
SubDirectory	VN081518	HP Acquire Method	MSVOA_N	HP Processing Method	82n081418w.m

STD. NAME	STD REF.#
Tune/Reschk	VP74061,VP74062
Initial Calibration Stds	VP73957,VP73959,VP73961,VP73963,VP73965,VP73967
CCC	VP74063,VP74064,VP74065,VP74066
Internal Standard/PEM	VP69523
ICV/I.BLK	VP73969

44	J4471-08	TP-2	VN050681.D	16 Aug 2018 3:11	Vial A	MD\SY	Ok
45	J4471-12	TP-3	VN050682.D	16 Aug 2018 3:36	Vial A	MD\SY	Ok
46	J4471-16	TP-4	VN050683.D	16 Aug 2018 4:01	Vial A	MD\SY	Ok
47	J4471-20	TP-5	VN050684.D	16 Aug 2018 4:26	Vial A	MD\SY	Ok
48	J4471-24	TP-6	VN050685.D	16 Aug 2018 4:50	Vial A	MD\SY	Ok
49	J4471-27	BED-ROCK	VN050686.D	16 Aug 2018 5:15	Vial A	MD\SY	Ok
50	VSTDCCC020	VSTDCCC020EC	VN050687.D	16 Aug 2018 5:40		MD\SY	Ok,M

Prep Standard - Chemical Standard Summary

Order ID : J4469
Test : VOC-TCLVOA-10
Prepbatch ID :
Sequence ID/Qc Batch ID: VN081418,VN081518,

Standard ID :

VP69002,VP69004,VP69007,VP69008,VP69523,VP69587,VP71527,VP71529,VP71530,VP71532,VP72814,VP72949,VP73258,VP73291,VP73320,VP73440,VP73442,VP73444,VP73445,VP73753,VP73755,VP73757,VP73758,VP73936,VP73957,VP73959,VP73961,VP73963,VP73965,VP73967,VP73969,VP73999,VP74000,VP74030,VP74031,VP74061,VP74062,VP74063,VP74064,VP74065,VP74066,

Chemical ID :

V1456,V6644,V6645,V6646,V7168,V7174,V7175,V7176,V7372,V7388,V7393,V7829,V7850,V8115,V8117,V8156,V8158,V8160,V8161,V8238,V8273,V8298,V8300,V8303,V8332,V8337,V8339,V8340,V8350,V8353,V8356,V8360,V8378,V8380,V8400,V8401,V8413,V8474,V8475,V8581,V8592,V8608,V8609,V8610,V8671,V8684,V8690,V8715,V8716,V8717,V8718,V8719,V8720,V8750,

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP69002	03/13/2018	09/13/2018	sam
FROM 1.000ml of V7176 + 1.500ml of V7174 + 1.500ml of V7175 + 46.000ml of V8378 = Final Quantity: 50.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1812	8260 Working Std(2-CVE)-100ppm	VP69004	03/13/2018	09/13/2018	sam
FROM 17.500ml of V8378 + 2.500ml of VP69002 = Final Quantity: 20.000 ml					

STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP69007	03/08/2018	09/08/2018	sam
<p>FROM 0.800ml of V8273 + 9.200ml of V8238 = Final Quantity: 10.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1819	8260 Working Std(2-CVE)-SS, 500ppm	VP69008	03/08/2018	09/08/2018	sam
<p>FROM 1.875ml of V8238 + 3.125ml of VP69007 = Final Quantity: 5.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
247	8260 Internal Standard, 250PPM	VP69523	04/03/2018	10/03/2018	sam
FROM 0.250ml of V7372 + 24.750ml of V8380 = Final Quantity: 25.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
1738	8260 surrogate 20 ppm	VP69587	04/04/2018	10/04/2018	sam
FROM 0.020ml of V6644 + 24.990ml of V8360 = Final Quantity: 25.000 ml					

STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
719	8260 Working STD (BCM)-First source, 400PPM	VP71527	05/30/2018	11/18/2018	sam
<p>FROM 0.500ml of V8161 + 1.500ml of V8156 + 1.500ml of V8158 + 1.500ml of V8160 + 20.000ml of V8581 = Final Quantity: 25.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
252	8260 Working STD (BCM)-First source, 100PPM	VP71529	05/30/2018	11/18/2018	sam
<p>FROM 1.250ml of V8161 + 23.750ml of V8581 = Final Quantity: 25.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
253	8260 Working STD (BCM)-First source, 20PPM	VP71530	05/30/2018	11/18/2018	sam
<p>FROM 0.250ml of V8160 + 24.750ml of V8581 = Final Quantity: 25.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
247	8260 Internal Standard, 250PPM	VP71532	05/30/2018	10/23/2018	sam
<p>FROM 0.500ml of V7372 + 49.500ml of V8581 = Final Quantity: 50.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
218	BFB, 25PPM	VP72814	07/12/2018	01/12/2019	sam
FROM 0.500ml of V7850 + 49.500ml of V8684 = Final Quantity: 50.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
617	8260 Surrogate, 400PPM	VP72949	07/16/2018	01/16/2019	sam
FROM 0.800ml of V6646 + 49.200ml of V8684 = Final Quantity: 50.000 ml					

STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
262	8260 Working STD (BCM)-Second source, 100PPM	VP73258	07/24/2018	01/24/2019	sam
<p>FROM 1.000ml of V7168 + 9.000ml of V8684 = Final Quantity: 10.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
249	8260 Surrogate, 100PPM	VP73291	07/25/2018	01/25/2019	sam
<p>FROM 0.400ml of V6645 + 99.600ml of V8690 = Final Quantity: 100.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
466	624 Internal Standard and Surrogate Mix, 150PPM	VP73320	07/25/2018	01/25/2019	sam
<p>FROM 0.300ml of V7388 + 0.300ml of V7393 + 49.400ml of V8690 = Final Quantity: 50.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP73440	07/28/2018	08/26/2018	sam
<p>FROM 0.400ml of V8715 + 1.200ml of V8716 + 1.200ml of V8717 + 1.200ml of V8718 + 21.000ml of V8690 = Final Quantity: 25.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
180	8260 Working STD (Acrolein)-First source, 100PPM	VP73442	07/28/2018	08/26/2018	sam
FROM 17.500ml of V8690 + 2.500ml of VP73440 = Final Quantity: 20.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
263	8260 Working STD (Acrolein)-Second source, 800PPM	VP73444	07/28/2018	08/25/2018	sam
FROM 0.400ml of V8720 + 1.200ml of V8719 + 8.400ml of V8690 = Final Quantity: 10.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
264	8260 Working STD (Acrolein)-Second source, 500PPM	VP73445	07/28/2018	08/25/2018	sam
FROM 1.875ml of V8690 + 3.125ml of VP73444 = Final Quantity: 5.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP73753	08/07/2018	08/31/2018	sam
FROM 0.400ml of V8332 + 0.800ml of V8300 + 0.800ml of V8401 + 0.800ml of V8475 + 1.000ml of V8339 + 1.000ml of V8340 + 1.000ml of V8350 + 1.000ml of V8353 + 1.000ml of V8592 + 1.000ml of V8608 + 1.000ml of V8609 + 1.000ml of V8610 + 1.200ml of V8298 + 1.200ml of V8400 + 1.200ml of V8474 + 10.600ml of V8750 = Final Quantity: 25.000 ml					



STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
245	8260 Calibration Working STD Mix-First source, 20PPM	VP73755	08/07/2018	08/31/2018	sam
<p>FROM 17.500ml of V8750 + 2.500ml of VP73753 = Final Quantity: 20.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP73757	08/07/2018	08/31/2018	sam
<p>FROM 0.160ml of V8337 + 0.400ml of V8117 + 0.800ml of V7829 + 0.800ml of V8303 + 0.800ml of V8356 + 0.800ml of V8413 + 0.800ml of V8671 + 1.200ml of V8115 + 4.240ml of V8750 = Final Quantity: 10.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
260	8260 Calibration Working STD Mix-Second source, 100PPM	VP73758	08/07/2018	08/31/2018	sam
<p>FROM 1.875ml of V8750 + 3.125ml of VP73757 = Final Quantity: 5.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
589	BFB TUNE CHECK	VP73936	08/13/2018	08/14/2018	Sweetuben
<p>FROM 39.984ml of V1456 + 0.016ml of VP72814 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
334	1 PPB ICC, 8260-Water	VP73957	08/13/2018	08/14/2018	Sweetuben
FROM 39.982ml of V1456 + 0.002ml of VP69004 + 0.002ml of VP69587 + 0.002ml of VP71530 + 0.002ml of VP73442 + 0.002ml of VP73755 + 0.008ml of VP71532 = Final Quantity: 40.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
335	5 PPB ICC, 8260-Water	VP73959	08/13/2018	08/14/2018	Sweetuben
FROM 39.942ml of V1456 + 0.008ml of VP71532 + 0.010ml of VP69004 + 0.010ml of VP69587 + 0.010ml of VP71530 + 0.010ml of VP73442 + 0.010ml of VP73755 = Final Quantity: 40.000 ml					

STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
337	20 PPB ICC, 8260-Water	VP73961	08/13/2018	08/14/2018	Sweetuben
<p>FROM 39.961ml of V1456 + 0.005ml of VP69002 + 0.005ml of VP73440 + 0.005ml of VP73753 + 0.008ml of VP71529 + 0.008ml of VP71532 + 0.008ml of VP73291 = Final Quantity: 40.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
380	50 PPB ICC, 8260-Water	VP73963	08/13/2018	08/14/2018	Sweetuben
<p>FROM 39.945ml of V1456 + 0.005ml of VP71527 + 0.005ml of VP72949 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP73440 + 0.013ml of VP73753 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
381	100 PPB ICC, 8260-Water	VP73965	08/13/2018	08/14/2018	Sweetuben
<p>FROM 39.897ml of V1456 + 0.008ml of VP71532 + 0.010ml of VP71527 + 0.010ml of VP72949 + 0.025ml of VP69002 + 0.025ml of VP73440 + 0.025ml of VP73753 = Final Quantity: 40.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
382	150 PPB ICC, 8260-Water	VP73967	08/13/2018	08/14/2018	Sweetuben
<p>FROM 39.850ml of V1456 + 0.008ml of VP71532 + 0.015ml of VP71527 + 0.015ml of VP72949 + 0.038ml of VP69002 + 0.038ml of VP73440 + 0.038ml of VP73753 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
385	50 PPB ICV, 8260-Water	VP73969	08/13/2018	08/14/2018	Sweetuben
<p>FROM 39.930ml of V1456 + 0.005ml of VP72949 + 0.008ml of VP71532 + 0.013ml of VP69007 + 0.013ml of VP73444 + 0.013ml of VP73757 + 0.020ml of VP73258 = Final Quantity: 40.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
589	BFB TUNE CHECK	VP73999	08/14/2018	08/15/2018	john
<p>FROM 39.984ml of V1456 + 0.016ml of VP72814 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
620	50 PPB CCC, 8260-Water	VP74000	08/14/2018	08/15/2018	john
<p>FROM 39.945ml of V1456 + 0.005ml of VP71527 + 0.005ml of VP72949 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP73440 + 0.013ml of VP73753 = Final Quantity: 40.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
589	BFB TUNE CHECK	VP74030	08/14/2018	08/15/2018	Sweetuben
<p>FROM 39.984ml of V1456 + 0.016ml of VP72814 = Final Quantity: 40.000 ml</p>					



STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
620	50 PPB CCC, 8260-Water	VP74031	08/14/2018	08/15/2018	Sweetuben
<p>FROM 39.945ml of V1456 + 0.005ml of VP71527 + 0.005ml of VP72949 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP73440 + 0.013ml of VP73753 = Final Quantity: 40.000 ml</p>					

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
589	BFB TUNE CHECK	VP74061	08/15/2018	08/16/2018	Sweetuben
<p>FROM 39.984ml of V1456 + 0.016ml of VP72814 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
589	BFB TUNE CHECK	VP74062	08/15/2018	08/16/2018	Sweetuben
<p>FROM 39.984ml of V1456 + 0.016ml of VP72814 = Final Quantity: 40.000 ml</p>					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
620	50 PPB CCC, 8260-Water	VP74063	08/15/2018	08/16/2018	Sweetuben
<p>FROM 39.945ml of V1456 + 0.005ml of VP71527 + 0.005ml of VP72949 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP73440 + 0.013ml of VP73753 = Final Quantity: 40.000 ml</p>					

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STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
620	50 PPB CCC, 8260-Water	VP74064	08/15/2018	08/16/2018	Sweetuben
FROM 39.945ml of V1456 + 0.005ml of VP71527 + 0.005ml of VP72949 + 0.008ml of VP71532 + 0.013ml of VP69002 + 0.013ml of VP73440 + 0.013ml of VP73753 = Final Quantity: 40.000 ml					

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
645	20 PPB CCC, 624	VP74065	08/15/2018	08/16/2018	Sweetuben
FROM 39.968ml of V1456 + 0.008ml of VP69008 + 0.008ml of VP73320 + 0.008ml of VP73445 + 0.008ml of VP73758 = Final Quantity: 40.000 ml					

STANDARD PREPARATION LOG

<u>RecipeID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration D</u>	<u>Prepared By</u>
645	20 PPB CCC, 624	VP74066	08/15/2018	08/16/2018	Sweetuben
<u>FROM</u>	39.968ml of V1456 + 0.008ml of VP69008 + 0.008ml of VP73320 + 0.008ml of VP73445 + 0.008ml of VP73758 = Final Quantity: 40.000 ml				

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Res-Kem General water	DIW / DI Water	DAILY	12/31/2019	03/01/2010 / apatel	03/02/2010 / apatel	V1456

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0118140	03/31/2019	01/10/2018 / sam	03/21/2016 / sam	V6644

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0118140	03/31/2019	07/25/2018 / sam	03/21/2016 / sam	V6645

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0118140	03/31/2019	04/11/2018 / sam	03/21/2016 / sam	V6646

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	101416	10/14/2021	07/24/2018 / sam	11/16/2016 / Sam	V7168

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	03/13/2018 / sam	11/16/2016 / Sam	V7174

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	03/13/2018 / sam	11/16/2016 / Sam	V7175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	021616	02/16/2019	03/13/2018 / sam	11/16/2016 / Sam	V7176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0123929	01/31/2020	04/03/2018 / sam	01/06/2017 / Sam	V7372

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555583 / Custom Standard, CLP VOA Internal Std [CS 5179-3]	A0124467	01/31/2020	07/25/2018 / sam	01/30/2017 / Sam	V7388

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555584 / Custom Standard, CLP VOA SurrogateStd [CS 5179-4]	A0124469	01/31/2020	07/25/2018 / sam	01/30/2017 / Sam	V7393

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	041116	11/18/2018	08/07/2018 / sam	07/18/2017 / sam	V7829

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuning solution	A0127174	07/12/2019	07/12/2018 / sam	08/10/2017 / sam	V7850

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0125322	05/31/2020	08/07/2018 / sam	11/03/2017 / sam	V8115

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0125322	05/31/2020	08/07/2018 / sam	11/03/2017 / sam	V8117

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	05/30/2018 / sam	11/17/2012 / sam	V8156

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	05/30/2018 / sam	11/17/2012 / sam	V8158

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	05/30/2018 / sam	11/17/2012 / sam	V8160

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0125405	02/28/2022	05/30/2018 / sam	11/17/2012 / sam	V8161

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	03/01/2018 / sam	01/03/2018 / sam	V8238

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	012218	01/22/2021	03/08/2018 / sam	01/23/2018 / sam	V8273

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0133860	11/18/2018	08/07/2018 / sam	01/26/2018 / sam	V8298

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0133860	11/18/2018	08/07/2018 / sam	01/26/2018 / sam	V8300

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000ug/ml, PTM, 1ml	A0131442	11/18/2018	05/18/2018 / sam	01/26/2018 / sam	V8303

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0133055	12/31/2020	08/07/2018 / sam	02/27/2018 / sam	V8332

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0126338	12/31/2020	08/07/2018 / sam	02/27/2018 / sam	V8337

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0134860	08/31/2018	08/07/2018 / sam	02/27/2018 / sam	V8339

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0134860	08/31/2018	08/07/2018 / sam	02/27/2018 / sam	V8340

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0135430	08/31/2018	08/07/2018 / sam	02/27/2018 / sam	V8350

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0135430	08/31/2018	08/07/2018 / sam	02/27/2018 / sam	V8353

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0135482	08/31/2018	08/07/2018 / sam	02/27/2018 / sam	V8356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	04/04/2018 / sam	02/28/2018 / sam	V8360

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	03/13/2018 / sam	02/28/2018 / sam	V8378

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	177891	06/21/2019	04/03/2018 / sam	02/28/2018 / sam	V8380

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	030918	11/18/2018	08/07/2018 / sam	03/13/2018 / sam	V8400

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	030918	11/18/2018	08/07/2018 / sam	03/13/2018 / sam	V8401

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	030818	11/18/2018	08/07/2018 / sam	03/13/2018 / sam	V8413

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	111516	11/18/2018	08/07/2018 / sam	04/10/2018 / sam	V8474

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	111516	11/18/2018	08/07/2018 / sam	04/10/2018 / sam	V8475

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	178208	11/18/2018	05/24/2018 / sam	05/16/2018 / sam	V8581

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0134324	04/30/2021	08/07/2018 / sam	05/24/2018 / sam	V8592

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0134324	04/30/2021	08/07/2018 / sam	05/24/2018 / sam	V8608

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0134324	04/30/2021	08/07/2018 / sam	05/24/2018 / sam	V8609

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0134324	04/30/2021	08/07/2018 / sam	05/24/2018 / sam	V8610

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0137584	10/31/2018	08/07/2018 / sam	06/20/2018 / sam	V8671

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000178208	06/21/2019	07/11/2018 / sam	06/26/2018 / sam	V8684

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000178208	01/25/2019	07/25/2018 / sam	06/26/2018 / sam	V8690

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	072618	08/26/2018	07/28/2018 / sam	07/27/2018 / sam	V8715

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	072618	08/26/2018	07/28/2018 / sam	07/27/2018 / sam	V8716

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	072618	08/26/2018	07/28/2018 / sam	07/27/2018 / sam	V8717

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	072618	08/26/2018	07/28/2018 / sam	07/27/2018 / sam	V8718

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	072518	08/25/2018	07/28/2018 / sam	07/27/2018 / sam	V8719

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	072518	08/25/2018	07/28/2018 / sam	07/27/2018 / sam	V8720

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	0000178208	06/21/2019	08/07/2018 / sam	07/31/2018 / sam	V8750



CERTIFIED WEIGHT REPORT

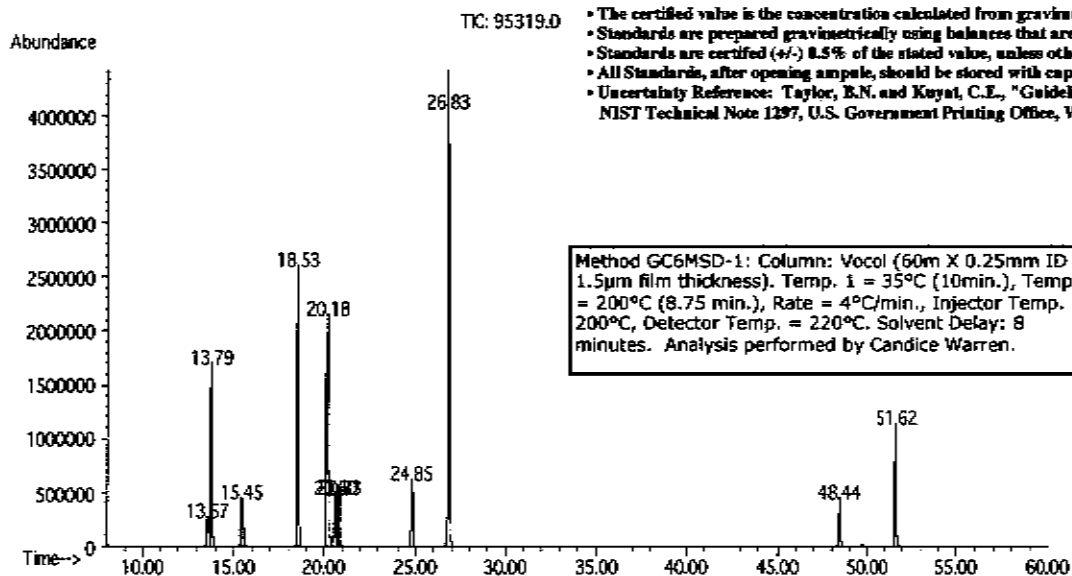
Part Number: 95319
Lot Number: 030818
Description: Revised Additions Mix
11 components
Expiration Date: 030821
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 2506734D

Solvent(s): Methanol
Lot# DS455

Paul Barron 030818
Formulated By: Paul Barron **DATE**
Pedro L. Ruelas 030818
Reviewed By: Pedro L. Ruelas **DATE**

Weight(s) shown below were combined and diluted to (mL): 100.0
0.001 Balance Uncertainty
0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (±) (µg/mL)	SDS Information (Solvent Safety info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01065	10004.3	40.4	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20127	2002.4	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	13096TK	2000	99.5	0.2	0.20103	0.20117	2001.4	8.1	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20222	2001.8	8.1	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04116	40003.1	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20230	2002.6	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	50996APV	2000	99	0.2	0.20204	0.20223	2001.9	8.1	108-87-2	N/A	ori-mus 2250mg/kg
8. Methyl tert-butyl ether (MTBE)	209	AU 01134TR	2000	99.8	0.2	0.20042	0.20076	2003.4	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02088	20004.5	80.8	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00145	10003.4	40.1	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21521	2001.2	8.7	488-23-3	N/A	ori-rat 6408mg/kg



• The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 • Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 • Standards are certified (±) 0.5% of the stated value, unless otherwise stated.
 • All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
 • Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62



CERTIFIED WEIGHT REPORT

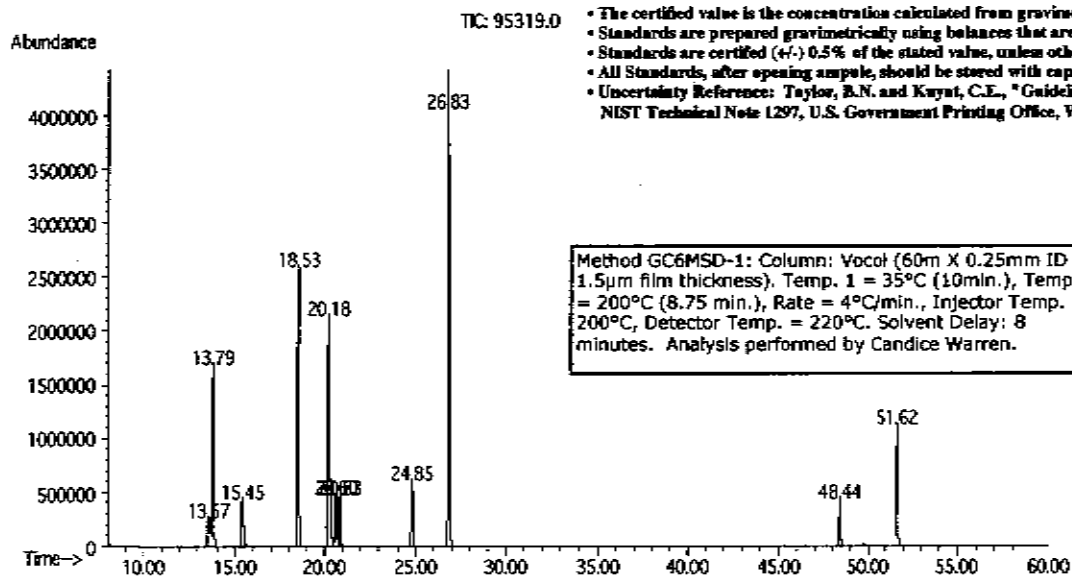
Part Number: 95319
Lot Number: 030918
Description: Revised Additions Mix
11 components
Expiration Date: 030921
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 2506734D

Solvent(s): Methanol
Lot#: DS435

Justin Dippold
030918
Formulated By: Justin Dippold **DATE:**
Pedro L. Rentas
030918
Reviewed By: Pedro L. Rentas **DATE:**

Weight(s) shown below were combined and diluted to (mL): 100.0 0.001 Balance Uncertainty 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01021	1.01080	10005.8	40.4	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	15538EZ	2000	99.5	0.2	0.20103	0.20130	2002.7	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	SHBD2795V	2000	99.5	0.2	0.20103	0.20113	2001.0	8.1	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20204	0.20226	2002.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04085	4.04105	40002.0	161.6	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20204	0.20234	2002.9	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpp 4970mg/kg
7. Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20204	0.20231	2002.6	8.2	108-87-2	N/A	ori-mus 2250mg/kg
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20042	0.20070	2002.8	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02042	2.02102	20005.9	80.8	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	113886	10000	99.9	0.2	1.00111	1.00161	10005.0	40.1	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 2500mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21508	0.21515	2000.7	8.7	488-23-3	N/A	ori-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62



CERTIFIED WEIGHT REPORT

Part Number: **8531Z**
Lot Number: **111516**
Description: **Universal VOC Mix**
69 components

Solvent(s): Lot#
Methanol: DP30309

<i>Paul Barron</i>		111516
Formulated By:	Paul Barron	DATE
<i>Pedro L. Ronias</i>		111516
Reviewed By:	Pedro L. Ronias	DATE

Expiration Date: 111519
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000

NIST Test ID#: 822-275872-11 SE-05 Relative Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.001 Blank Uncertainty

Compound	RMW	Lot	Dil.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Uncertainty	Expanded	MSDS Information (Solvent Safety Info. On Attached pg.)		
	Part Number	Number	Factor	Vol. (mL)	Conc. (µg/mL)	Conc. (µg/mL)	(%)	Uncertainty	(ppm) (mL)	Weight (g)	Weight (g)	Conc. (µg/mL)	(%) (µg/mL)	CAS#	OSHA PEL (TWA)	LSD	
1. Acetonitrile	(0324)	00612	NA	NA	NA	2000	99.9	0.2	NA	0.20022	0.20045	2002.3	8.1	75-05-9	40 ppm (70mg/m3)(H)	ori-rat 2400mg/kg	
2. Allyl chloride (3-Chloropropene)	(0325)	102996	NA	NA	NA	2000	99.9	0.2	NA	0.20204	0.20229	2002.5	8.2	107-05-1	1 ppm (3mg/m3)(H)	ori-rat 700mg/kg	
3. Carbon disulfide	(0080)	PO 12273FO	NA	NA	NA	2000	99.9	0.2	NA	0.20204	0.20224	2002.0	8.1	75-15-0	4 ppm (12mg/m3) (skin)	ori-rat 1200mg/kg	
4. cis-1,4-Dichloro-2-butene	(1198)	14718EF	NA	NA	NA	2000	95.0	0.2	NA	0.21056	0.21083	2002.7	8.5	1475-11-5	N/A	N/A	
5. trans-1,4-Dichloro-2-butene	(0486)	12218HC	NA	NA	NA	2000	98.0	0.2	NA	0.20410	0.20441	2003.0	8.2	1105-57-5	N/A	N/A	
6. Diethyl ether (Ethyl ether)	(0153)	02553HC	NA	NA	NA	2000	99.9	0.2	NA	0.20022	0.20050	2002.8	8.1	60-29-7	400 ppm (1200mg/m3)(H)	ori-rat 1215mg/kg	
7. Ethyl methacrylate	(0381)	06126FK	NA	NA	NA	2000	99.9	0.2	NA	0.20204	0.20237	2003.2	8.2	97-83-2	N/A	ori-rat 1400mg/kg	
8. Iodomethane	(0489)	12409QC	NA	NA	NA	2000	99.9	0.2	NA	0.20204	0.20222	2001.8	8.1	74-89-4	5 ppm (20mg/m3)(H)(skin)	ori-rat 1100mg/kg	
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20103	0.20130	2002.7	8.1	78-83-1	50 ppm (190mg/m3)(H)	ori-rat 2400mg/kg	
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99.9	0.2	NA	0.20204	0.20224	2002.0	8.1	125-98-7	1 ppm (3mg/m3)(H)(skin)	ori-rat 100mg/kg	
11. Methyl acrylate	(1075)	05208KY	NA	NA	NA	2000	99.9	0.2	NA	0.20204	0.20223	2001.9	8.1	96-33-9	10 ppm (35mg/m3)(H)(skin)	ori-rat 277mg/kg	
12. Methyl methacrylate	(0404)	00021BX	NA	NA	NA	2000	99.9	0.2	NA	0.20204	0.20232	2002.7	8.2	80-62-6	100 ppm (410mg/m3)(H)	ori-rat 7979mg/kg	
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99.9	0.2	NA	0.20204	0.20219	2001.5	8.1	98-95-3	1 ppm (3mg/m3) (skin)	ori-rat 700mg/kg	
14. o-Nitropropane	(0481)	14002JX	NA	NA	NA	2000	95.0	0.2	NA	0.21056	0.21080	2002.4	8.5	79-49-9	10 ppm (30mg/m3)(H)	ori-rat 700mg/kg	
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	99.9	0.2	NA	0.20410	0.20426	2001.5	8.2	78-01-7	N/A	N/A	
16. 1,1,2-Trichloro-1,2,2-trifluoroethane	(0474)	01221PY	NA	NA	NA	2000	99.9	0.2	NA	0.20204	0.20225	2002.1	8.1	78-13-1	1000 ppm (7000mg/m3)(H)	ori-rat 430µg	
17. Bromochloromethane	35171	062916	0.05	5.00	40006.8	2000	NA	NA	0.025	NA	NA	2000.1	21.6	75-27-4	N/A	ori-rat 918mg/kg	
18. Dibromochloromethane	35171	062916	0.05	5.00	40006.8	2000	NA	NA	0.025	NA	NA	2000.2	21.6	124-48-1	N/A	ori-rat 646mg/kg	
19. cis-1,2-Dichloroethane	35171	062916	0.05	5.00	40011.2	2000	NA	NA	0.025	NA	NA	2000.3	21.6	156-58-2	N/A	N/A	
20. trans-1,2-Dichloroethane	35171	062916	0.05	5.00	40021.5	2000	NA	NA	0.025	NA	NA	2000.9	21.6	158-90-5	N/A	ori-rat 1229mg/kg	
21. Methylene chloride	35171	062916	0.05	5.00	40007.7	2000	NA	NA	0.025	NA	NA	2000.2	21.6	75-09-2	500 ppm	ori-rat 2130mg/kg	
22. 1,1-Dichloroethane	35251	100616	0.10	10.00	20003.7	2000	NA	NA	0.006	NA	NA	2000.2	8.4	75-35-4	1 ppm (4mg/m3)(H)	ori-rat 200mg/kg	
23. Bromoform	95321	012114	0.10	10.00	20004.6	2000	NA	NA	0.006	NA	NA	2000.2	8.4	75-25-2	0.5 ppm (8mg/m3) (skin)	ori-rat 1147mg/kg	
24. Carbon tetrachloride	95321	012114	0.10	10.00	20004.4	2000	NA	NA	0.006	NA	NA	2000.2	8.4	58-23-5	2 ppm (12.8mg/m3)(H)	ori-rat 2365mg/kg	
25. Chloroform	95321	012114	0.10	10.00	20005.9	2000	NA	NA	0.006	NA	NA	2000.4	8.4	67-66-3	50 ppm (240mg/m3) (CL)	ori-rat 909mg/kg	
26. Dibromomethane	95321	012114	0.10	10.00	20006.8	2000	NA	NA	0.006	NA	NA	2000.5	8.4	74-05-3	N/A	ori-rat 108mg/kg	
27. 1,1-Dichloroethane	95321	012114	0.10	10.00	20004.9	2000	NA	NA	0.006	NA	NA	2000.3	8.4	75-34-3	100 ppm	ori-rat 725mg/kg	
28. 2,2-Dichloropropane	95321	012114	0.10	10.00	20002.7	2000	NA	NA	0.006	NA	NA	2000.0	8.5	694-20-3	N/A	N/A	
29. Tetrachloroethene	95321	012114	0.10	10.00	20003.7	2000	NA	NA	0.006	NA	NA	2000.1	8.4	127-18-4	25 ppm (170mg/m3)(H)(skin)	ori-rat 2525mg/kg	
30. 1,1,1-Trichloroethane	95321	012114	0.10	10.00	20005.9	2000	NA	NA	0.006	NA	NA	2000.4	8.4	71-55-8	350 ppm (1900mg/m3)(H)	ori-rat 1030mg/kg	
31. 1,2-Dibromo-3-chloropropane	35161	021018	0.06	5.00	40004.2	2000	NA	NA	0.025	NA	NA	2000.0	21.6	96-12-6	0.001 ppm	ori-rat 170mg/kg	
32. 1,2-Dibromoethane	35161	021018	0.06	5.00	40002.7	2000	NA	NA	0.025	NA	NA	1999.9	21.6	106-93-4	20 ppm (8H)	ori-rat 108mg/kg	
33. 1,2-Dichloroethane	35161	021018	0.05	5.00	40008.2	2000	NA	NA	0.025	NA	NA	2000.2	21.6	107-06-2	80 ppm (8H)	ori-rat 670mg/kg	
34. 1,2-Dichloropropane	35161	021018	0.06	5.00	40003.2	2000	NA	NA	0.025	NA	NA	1999.9	21.6	78-67-5	75 ppm (250mg/m3)(H)	ori-rat 1947mg/kg	
35. 1,3-Dichloropropane	35161	021018	0.06	5.00	40008.2	2000	NA	NA	0.025	NA	NA	2000.1	21.6	142-28-9	N/A	ure-mus 3900mg/kg	
36. 1,1-Dichloropropane	35161	021018	0.06	5.00	40006.2	2000	NA	NA	0.025	NA	NA	2000.1	21.6	683-88-8	N/A	N/A	
37. cis-1,3-Dichloropropane	35161	021018	0.06	5.00	40003.9	2000	NA	NA	0.025	NA	NA	2000.0	21.6	10081-01-5	N/A	N/A	
38. trans-1,3-Dichloropropane	35161	021018	0.06	5.00	40007.3	2000	NA	NA	0.025	NA	NA	2000.1	21.7	10081-02-6	N/A	N/A	
39. Hexachloro-1,3-butadiene	35161	021018	0.05	5.00	40008.4	2000	NA	NA	0.025	NA	NA	2000.2	21.6	87-68-3	0.02 ppm (0.24mg/m3)(H)	ori-rat 82mg/kg	
40. 1,1,1,2-Tetrachloroethane	35161	021018	0.05	5.00	40011.2	2000	NA	NA	0.025	NA	NA	2000.4	21.6	630-20-6	N/A	ori-rat 670mg/kg	
41. 1,1,2,2-Tetrachloroethane	35161	021018	0.05	5.00	40004.1	2000	NA	NA	0.025	NA	NA	2000.0	21.6	79-34-5	5 ppm (35mg/m3)(H)(skin)	ori-rat 800mg/kg	
42. 1,1,2-Trichloroethane	35161	021018	0.05	5.00	40008.8	2000	NA	NA	0.025	NA	NA	2000.2	21.6	78-00-0	10 ppm (45mg/m3)(H)(skin)	ori-rat 836mg/kg	
43. Trichloroethene	35161	021018	0.05	5.00	40009.3	2000	NA	NA	0.025	NA	NA	2000.2	21.6	79-01-5	50 ppm (270mg/m3)(H)	ori-rat 2402mg/kg	
44. 1,2,3-Trichloropropane	35161	021018	0.05	5.00	40005.7	2000	NA	NA	0.025	NA	NA	2000.1	21.6	96-18-4	10 ppm (80mg/m3)(H)	ori-rat 148.8mg/kg	
45. Benzene	35162	021616	0.05	5.00	40047.5	2000	NA	NA	0.025	NA	NA	2002.2	21.6	71-43-2	1 ppm	ori-rat 494mg/kg	
46. Bromobenzene	35162	021616	0.05	5.00	40012.2	2000	NA	NA	0.025	NA	NA	2000.4	21.6	108-95-1	N/A	ori-rat 2899mg/kg	
47. n-Butyl benzene	35162	021616	0.05	5.00	40047.2	2000	NA	NA	0.025	NA	NA	2002.1	21.6	104-51-6	N/A	N/A	
48. Ethyl benzene	35162	021616	0.05	5.00	40010.5	2000	NA	NA	0.025	NA	NA	2000.9	21.6	100-41-4	100 ppm (435mg/m3)(H)	ori-rat >2000mg/kg	
49. isopropyl toluene	35162	021616	0.05	5.00	40055.2	2000	NA	NA	0.025	NA	NA	2002.5	21.6	99-87-8	N/A	ori-rat 4700mg/kg	
50. Naphthalene	35162	021616	0.05	5.00	40015.2	2000	NA	NA	0.025	NA	NA	2000.5	21.6	91-20-3	10 ppm (50mg/m3)(H)	ori-rat 490mg/kg	
51. Styrene	35162	021616	0.05	5.00	40062.8	2000	NA	NA	0.025	NA	NA	2002.4	21.6	100-42-5	100 ppm	ori-rat 5000mg/kg	
52. Toluene	35162	021616	0.05	5.00	40008.3	2000	NA	NA	0.025	NA	NA	2000.2	21.6	108-98-3	200 ppm	ori-rat 5000mg/kg	
53. 1,2,3-Trichlorobenzene	35162	021616	0.05	5.00	40048.1	2000	NA	NA	0.025	NA	NA	2002.1	21.6	87-61-6	N/A	ip-mus 1360mg/kg	
54. 1,2,4-Trichlorobenzene	35162	021616	0.05	5.00	40010.7	2000	NA	NA	0.025	NA	NA	2000.3	21.6	120-82-1	5 ppm (CL) (40mg/m3)	ori-rat 758mg/kg	
55. 1,2,4-Trimethylbenzene	35162	021616	0.05	5.00	40015.3	2000	NA	NA	0.025	NA	NA	2000.5	21.6	95-63-6	N/A	ori-rat 50µg	
56. 1,3,5-Trimethylbenzene	35162	021616	0.05	5.00	40002.0	2000	NA	NA	0.025	NA	NA	1999.9	21.6	108-67-8	N/A	N/A	
57. m-Xylene	35162	021616	0.05	5.00	40096.0	2000	NA	NA	0.025	NA	NA	2001.6	21.6	106-38-3	100 ppm (495mg/m3)(H)	ori-rat 50µg	
58. tert-Butyl benzene	35163	021616	0.05	5.00	40041.8	2000	NA	NA	0.025	NA	NA	2001.9	21.6	98-06-6	N/A	N/A	
59. sec-Butyl benzene	35163	021616	0.05	5.00	40025.5	2000	NA	NA	0.025	NA	NA	2001.1	21.6	135-98-8	N/A	ori-rat 2240mg/kg	
60. Chlorobenzene	35163	021616	0.05	5.00	40070.1	2000	NA	NA	0.025	NA	NA	2003.3	21.6	108-90-7	75 ppm (300mg/m3)(H)	ori-rat 2290mg/kg	
61. 2-Chlorotoluene	35163	021616	0.05	5.00	40024.5	2000	NA	NA	0.025	NA	NA	2001.0	21.6	95-49-6	50 ppm (245mg/m3)(H)	ori-rat 3000mg/kg	
62. 4-Chlorotoluene	35163	021616	0.05	5.00	40023.6	2000	NA	NA	0.025	NA	NA	2001.0	21.6	108-43-4	N/A	ori-rat 2100mg/kg	
63. 1,2-Dichlorobenzene	35163	021616	0.05	5.00	40008.2	2000	NA	NA	0.025	NA	NA	2000.4	21.6	95-50-1	50 ppm (300mg/m3) (CL)	ori-rat 5000mg/kg	
64. 1,3-Dichlorobenzene	35163	021616	0.05	5.00	40009.4	2000	NA	NA	0.025	NA	NA	2000.2	21.6	541-73-1	N/A	ip-mus 1088mg/kg	
65. 1,4-Dichlorobenzene	35163	021616	0.05	5.00	40048.4	2000	NA	NA	0.025	NA	NA	2002.2	21.6	106-48-7	75 ppm (450mg/m3)(H)	ori-rat 5000mg/kg	
66. isopropyl benzene	35163	021616	0.05	5.00	40038.3	2000	NA	NA	0.025	NA	NA	2001.8	21.6	98-82-8	60 ppm (245mg/m3)(H)	ori-rat 1400mg/kg	
67. n-Propylbenzene																	

Methanol
 ULTRA RESI-ANALYZED
 For Purge and Trap Analysis



Material No.: 9077-02
 Batch No.: 0000178208
 Manufactured Date: 2017/06/23
 Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.3000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
 Performance Tested for Use in EPA Methods
 500 Series for Drinking Water
 600 Series for Wastewater
 846 for Solid Waste

Country of Origin: US
 Packaging Site: Phillipsburg Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001-2708, 14001-1034, FSSC 22000
 Cary, NC 9001-2905
 Mexico City, Mexico 9001-2905
 Columbia, TN Tackle Bonds 9001-2701, 14001-1034, 14001-1035, 14001-1036
 Greenville, PA 9001-2408, 14001-1034
 Semarang, Indonesia 9001-2708
 Durgam, India 9001-2004, 14001-1034, 14001-1035
 Mumbai, India 9001-2708
 Pune, India 9001-2708

James T. Ferris
 Director
 Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
 Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED REFERENCE MATERIAL

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 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0134324
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)			
1	Acetone	5,002.7 µg/mL (Lot SHBH6933)	+/-	29.0861	µg/mL	Gravimetric
	CAS # 67-64-1		+/-	301.8351	µg/mL	Unstressed
	Purity 99%		+/-	302.5517	µg/mL	Stressed
2	2-Butanone (MEK)	5,004.7 µg/mL (Lot SHBP2461V)	+/-	29.0978	µg/mL	Gravimetric
	CAS # 78-93-3		+/-	301.9557	µg/mL	Unstressed
	Purity 99%		+/-	302.6726	µg/mL	Stressed
3	4-Methyl-2-pentanone (MIBK)	5,000.1 µg/mL (Lot SHBH7006)	+/-	29.0710	µg/mL	Gravimetric
	CAS # 108-10-1		+/-	301.6782	µg/mL	Unstressed
	Purity 99%		+/-	302.3944	µg/mL	Stressed
4	2-Hexanone	5,007.4 µg/mL (Lot MKBW0198V)	+/-	29.1135	µg/mL	Gravimetric
	CAS # 591-78-6		+/-	302.1186	µg/mL	Unstressed
	Purity 99%		+/-	302.8359	µg/mL	Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



avantor™

Material No.: 9077-02
Batch No.: 0000177891
Manufactured Date: 2017/06/23
Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.4000
Titration Acid (µeq/g)	<= 0.3	0.3
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photolization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panaji, India 9001:2008

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555583 **Lot No.:** A0124467

Description : Custom CLP VOA Internal Standard Mix
Custom CLP VOA Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Component #	Component	Lot #	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.I. K=2)	Method
1	1,4-Difluorobenzene	(Lot MKBN8571V)	25,060.0 µg/mL	+/- 231.909957 µg/mL	Gravimetric
	CAS # 540-36-3			+/- 1,416.626085 µg/mL	Unstressed
	Purity 99%			+/- 1,449.241705 µg/mL	Stressed
2	Bromochloromethane	(Lot 00004559)	25,064.0 µg/mL	+/- 231.946974 µg/mL	Gravimetric
	CAS # 74-97-5			+/- 1,416.852202 µg/mL	Unstressed
	Purity 99%			+/- 1,449.473029 µg/mL	Stressed
3	Chlorobenzene-d5	(Lot PR-23926)	25,024.0 µg/mL	+/- 231.576807 µg/mL	Gravimetric
	CAS # 3114-55-4			+/- 1,414.591027 µg/mL	Unstressed
	Purity 99%			+/- 1,447.159794 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Cathleen Bottis

Cathleen Bottis - Mix Technician

Date Mixed: 25-Jan-2017

Balance: 1125113331

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397



CERTIFIED REFERENCE MATERIAL

110 Banner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555584 **Lot No.:** A0124469

Description : Custom CLP VOA Surrogate Standard Mix

Custom CLP VOA Surrogate Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Component #	Compound	Concentration (weight/volume)	Expanded Uncertainty (95% C.L., K=2)	
1	1,2-Dichloroethane-d4 CAS # 17060-07-0 Purity 99% (Lot PR-26748)	25,056.0 µg/mL	+/- 231.872941 µg/mL	Gravimetric
			+/- 1,416.399967 µg/mL	Unstressed
			+/- 1,449.010382 µg/mL	Stressed
2	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 Purity 99% (Lot 20401KOV)	25,036.0 µg/mL	+/- 231.687857 µg/mL	Gravimetric
			+/- 1,415.269380 µg/mL	Unstressed
			+/- 1,447.853764 µg/mL	Stressed
3	Toluene-d8 CAS # 2037-26-5 Purity 99% (Lot PR-27311)	25,068.0 µg/mL	+/- 231.983991 µg/mL	Gravimetric
			+/- 1,417.078320 µg/mL	Unstressed
			+/- 1,449.704352 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Catherine Soltis

Catherine Soltis - Mix Technologist

Date Mixed: 25-Jan-2017

Balance: 1125113331

Manufactured under Restek's ISO 9001:2008
Registered Quality System
Certificate #FM 80397



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **012218**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol
Lot#
DS435

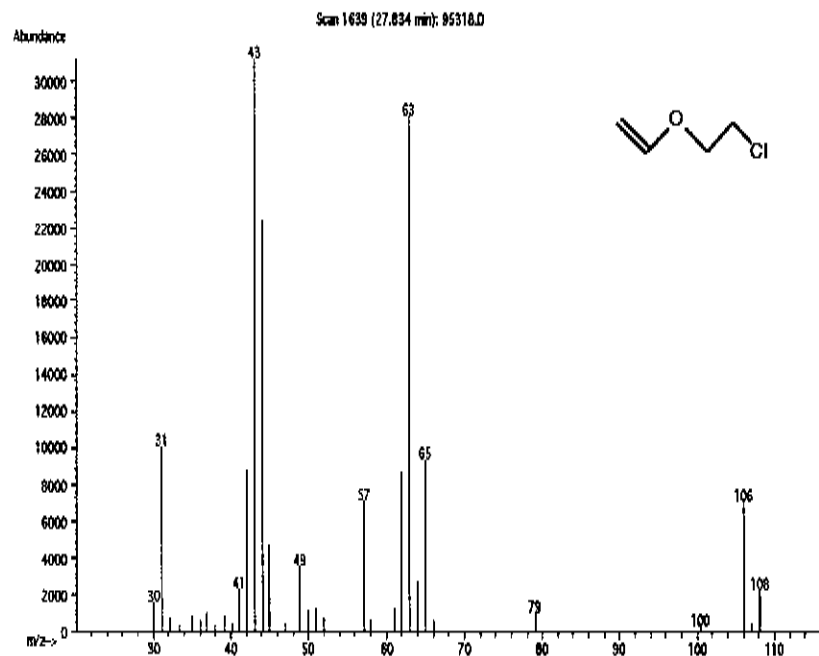
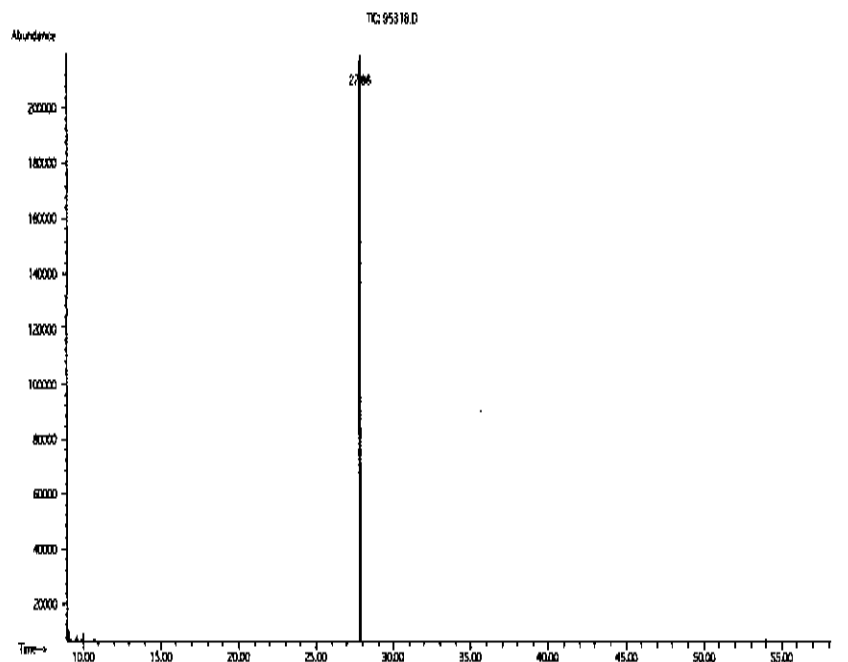
<i>Mario Luis</i>	012218
Formulated By: Mario Luis	DATE
<i>Pedro L. Rentas</i>	012218
Reviewed By: Pedro L. Rentas	DATE

Expiration Date: 012221
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 2506734D
Weight(s) shown below were combined and diluted to (mL): 25.0
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

Expanded
Uncertainty (+/-) (µg/mL)
SDS Information
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	03208CI	10000	99	0.2	0.25256	0.02528	1000.9	5.7	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **021616**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
DM417

<i>Gabriel Helland</i>		021616
Formulated By:	Gabriel Helland	DATE
<i>Pedro L. Rentas</i>		021616
Reviewed By:	Pedro L. Rentas	DATE

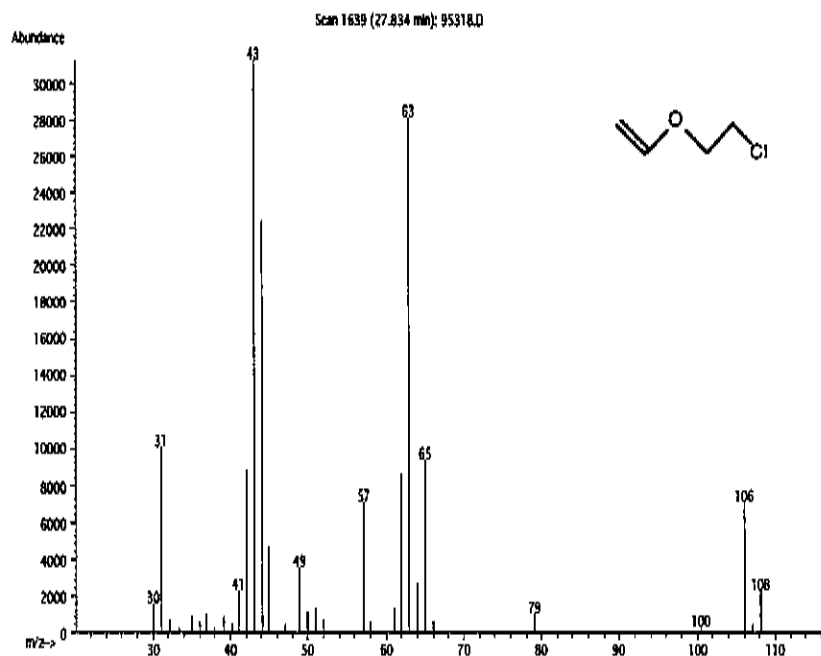
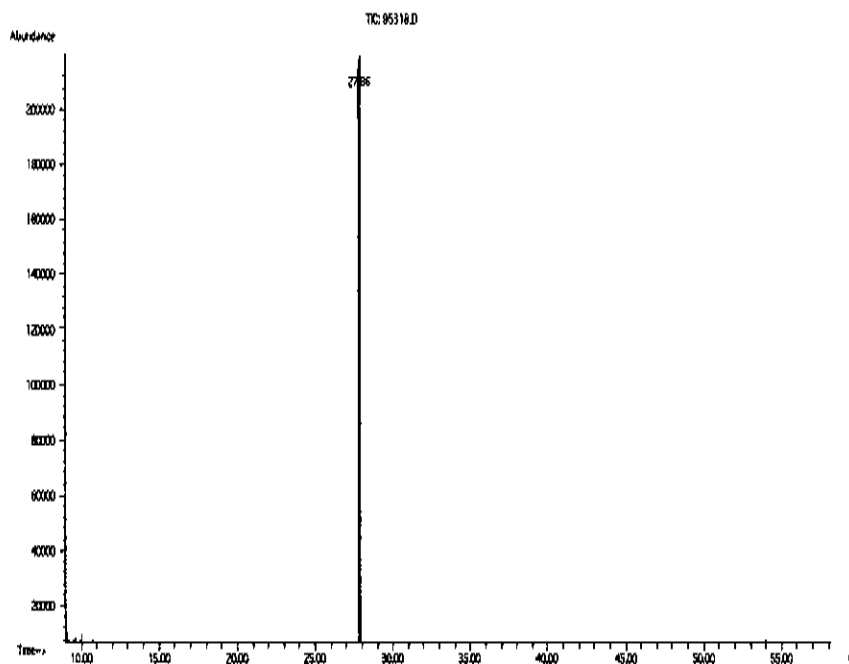
Expiration Date: 021619
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 822-275872-11
Weight(s) shown below were combined and diluted to (mL): 25.0

5E-05 Balance Uncertainty
0.006 Flask Uncertainty

Expanded
SDS Information
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	03206CI	10000	99	0.2	0.25254	0.25295	10016.2	40.9	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp. = 200°C, Detector B Temp. = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampoules, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: **70046**
Lot Number: **101416**
Description: **Bromochloromethane**

Solvent(s): **Methanol**
Lot#: **DP303**

		101416
Formulated By:	Jason Criscio	DATE
		101416
Reviewed By:	Pedro L. Rentas	DATE

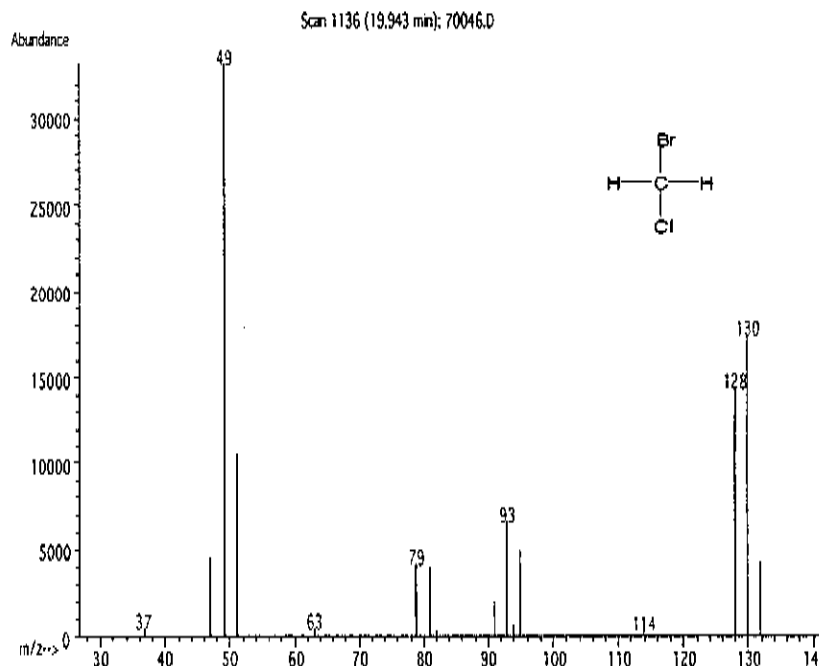
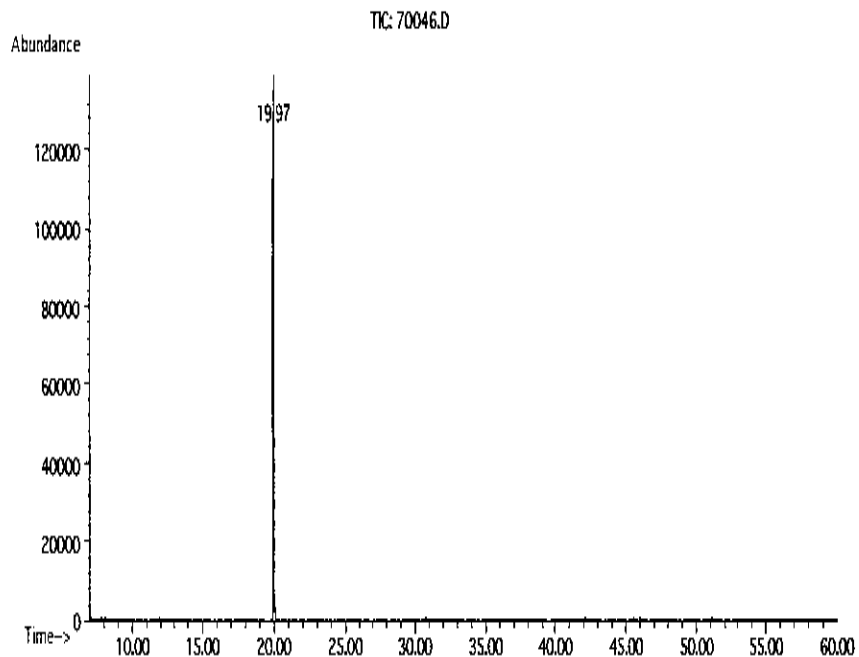
Expiration Date: 101421
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 822-275872-11

Weight(s) shown below were combined and diluted to (mL): 25.0 0.002 Flask Uncertainty

Expanded
MSDS Information
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Bromochloromethane	46	AY01	1000	99	0.2	0.02526	0.02540	1005.7	5.7	74-97-5	200 ppm (1050mg/m3/8H)	or-rat 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B= 200°C, Detector B = 220°C. Analyst: Candice Warren



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



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Gravimetric Certificate



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0118140

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2019 **Storage:** 10°C or colder

CERTIFIED VALUES

Component #	Compound	Grav. Conc (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,2-Dichloroethane-d4 CAS # 17060-07-0 Purity 99% (Lot 12K-027)	25,036.0 µg/mL	+/-	231.6879	µg/mL Gravimetric
			+/-	1,415.2694	µg/mL Unstressed
			+/-	1,447.8538	µg/mL Stressed
2	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 Purity 99% (Lot 20401KOV)	25,016.0 µg/mL	+/-	231.5028	µg/mL Gravimetric
			+/-	1,414.1388	µg/mL Unstressed
			+/-	1,446.6971	µg/mL Stressed
3	Dibromofluoromethane CAS # 1868-53-7 Purity 99% (Lot 032015)	25,036.0 µg/mL	+/-	231.6879	µg/mL Gravimetric
			+/-	1,415.2694	µg/mL Unstressed
			+/-	1,447.8538	µg/mL Stressed
4	Toluene-d8 CAS # 2037-26-5 Purity 99% (Lot PR-26282)	25,032.0 µg/mL	+/-	231.6508	µg/mL Gravimetric
			+/-	1,415.0433	µg/mL Unstressed
			+/-	1,447.6224	µg/mL Stressed



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Catalog No. : 555581 **Lot No.:** A0123929

Description : Custom 8260 Internal Standard Mix
Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2020 **Storage:** 10°C or colder

CERTIFIED VALUES

Component #	Compound	Concentration (weight/volume)	Expanded Uncertainty (95% C.I. K=2)	Method
1	1,4-Dichlorobenzene-d4 CAS # 3855-82-1 Purity 99% (Lot PR-18488)	25,088.0 µg/mL	+/- 232.1691 µg/mL	Gravimetric
			+/- 1,418.2089 µg/mL	Unstressed
			+/- 1,450.8610 µg/mL	Stressed
2	1,4-Difluorobenzene CAS # 540-36-3 Purity 99% (Lot MKBN8571V)	25,144.0 µg/mL	+/- 232.6873 µg/mL	Gravimetric
			+/- 1,421.3746 µg/mL	Unstressed
			+/- 1,454.0995 µg/mL	Stressed
3	Chlorobenzene-d5 CAS # 3114-55-4 Purity 99% (Lot PR-23926)	25,012.0 µg/mL	+/- 231.4658 µg/mL	Gravimetric
			+/- 1,413.9127 µg/mL	Unstressed
			+/- 1,446.4658 µg/mL	Stressed
4	Pentafluorobenzene CAS # 363-72-4 Purity 99% (Lot MKBT9337V)	25,224.0 µg/mL	+/- 233.4276 µg/mL	Gravimetric
			+/- 1,425.8969 µg/mL	Unstressed
			+/- 1,458.7260 µg/mL	Stressed



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Catalog No. : 30006 **Lot No.:** A0125322
Description : VOA Calibration Mix #1
VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Label Order	Component	Concentration (µg/mL)	Accepted Range (µg/mL)	Measurement Range (µg/mL)	Measurement Method
1	Acetone	5,013.0	µg/mL	+/- 29.4191	Gravimetric
	CAS # 67-64-1 (Lot SHBH0922V)			+/- 302.4829	Unstressed
	Purity 99%			+/- 303.2010	Stressed
2	2-Butanone (MEK)	5,018.0	µg/mL	+/- 29.4484	Gravimetric
	CAS # 78-93-3 (Lot SHBF2461V)			+/- 302.7846	Unstressed
	Purity 99%			+/- 303.5034	Stressed
3	4-Methyl-2-pentanone (MIBK)	5,042.0	µg/mL	+/- 29.5893	Gravimetric
	CAS # 108-10-1 (Lot SHBG3630V)			+/- 304.2328	Unstressed
	Purity 99%			+/- 304.9550	Stressed
4	2-Hexanone	5,025.0	µg/mL	+/- 29.4895	Gravimetric
	CAS # 591-78-6 (Lot MKBW0198V)			+/- 303.2070	Unstressed
	Purity 99%			+/- 303.9268	Stressed

Solvent: P&T Methanol/Water (90:10)
 CAS # 67-56-1/7732-18-5
 Purity 99%



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0125405
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : February 28, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Feature Order	Compound	Concn. (weight/volume)	Expanded Uncertainty (k=2)	Method
1	Bromochloromethane CAS # 74-97-5 Purity 99% (Lot 00004559)	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 112.1643 µg/mL +/- 114.7876 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Catalog No. : 30470 **Lot No.:** A0126338

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.I. K=2)
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBG9852V)	50,060.0 µg/mL	+/- 293.1123 µg/mL Gravimetric +/- 1,072.3516 µg/mL Unstressed +/- 1,103.4946 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



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Catalog No. : 30067 **Lot No.:** A0127174
Description : 4-Bromofluorobenzene Standard
4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)			
			+/-	µg/mL	µg/mL	Method
1	1-Bromo-4-fluorobenzene (BFB)	2,506.0 µg/mL	+/-	14.7066	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 01127COV)		+/-	140.5232	µg/mL	Unstressed
	Purity 99%		+/-	143.8106	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



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Catalog No. : 30042 **Lot No.:** AQ131442
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2024 **Storage:** 0°C or colder

CERTIFIED VALUES

Flask Order	Compound	Concentration (weight/volume)	Expanded Uncertainty (95% C.I., K=2)			
1	Dichlorodifluoromethane (CFC-12) CAS # 75-71-8 (Lot Q167-08) Purity 99%	2,001.7 µg/mL	+/- 14.4547	µg/mL	Gravimetric	
			+/- 112.5592	µg/mL	Unstressed	
			+/- 115.1778	µg/mL	Stressed	
2	Chloromethane (methyl chloride) CAS # 74-87-3 (Lot SHBG9707V) Purity 99%	2,001.6 µg/mL	+/- 13.7964	µg/mL	Gravimetric	
			+/- 112.4738	µg/mL	Unstressed	
			+/- 115.0942	µg/mL	Stressed	
3	Vinyl chloride CAS # 75-01-4 (Lot 1026101231B1) Purity 99%	2,001.9 µg/mL	+/- 14.0001	µg/mL	Gravimetric	
			+/- 112.5111	µg/mL	Unstressed	
			+/- 115.1313	µg/mL	Stressed	
4	Bromomethane (methyl bromide) CAS # 74-83-9 (Lot 101604) Purity 99%	2,001.0 µg/mL	+/- 13.1778	µg/mL	Gravimetric	
			+/- 112.3658	µg/mL	Unstressed	
			+/- 114.9871	µg/mL	Stressed	
5	Chloroethane (ethyl chloride) CAS # 75-00-3 (Lot 23593) Purity 99%	2,001.2 µg/mL	+/- 14.0806	µg/mL	Gravimetric	
			+/- 112.4863	µg/mL	Unstressed	
			+/- 115.1054	µg/mL	Stressed	
6	Trichlorofluoromethane (CFC-11) CAS # 75-69-4 (Lot SHBH4155V) Purity 99%	2,000.7 µg/mL	+/- 13.0893	µg/mL	Gravimetric	
			+/- 112.3349	µg/mL	Unstressed	
			+/- 114.9560	µg/mL	Stressed	



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Catalog No. : 30470 **Lot No.:** A0133055

Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2020 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95%, G1, K=2)
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBG9852V)	50,032.0 µg/mL	+/- 292.9484 µg/mL +/- 1,071.7518 µg/mL +/- 1,102.8773 µg/mL
			Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



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Catalog No. : 30489 **Lot No.:** A0134860
Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : August 31, 2018 **Storage:** 0°C or colder
Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)			
1	Methyl acetate	2,004.5 µg/mL (Lot SHBD7134V)	+/-	11.7635	µg/mL	Gravimetric
	CAS # 79-20-9		+/-	120.9509	µg/mL	Unstressed
	Purity 99%		+/-	121.2380	µg/mL	Stressed
2	Vinyl acetate	2,004.5 µg/mL (Lot STBD7333V)	+/-	11.7635	µg/mL	Gravimetric
	CAS # 108-05-4		+/-	120.9509	µg/mL	Unstressed
	Purity 99%		+/-	121.2380	µg/mL	Stressed
3	Ethyl acetate	2,006.0 µg/mL (Lot SHBH7407)	+/-	11.7723	µg/mL	Gravimetric
	CAS # 141-78-6		+/-	121.0414	µg/mL	Unstressed
	Purity 99%		+/-	121.3288	µg/mL	Stressed
4	Isopropyl acetate	2,000.5 µg/mL (Lot BCBN7598V)	+/-	11.7401	µg/mL	Gravimetric
	CAS # 108-21-4		+/-	120.7096	µg/mL	Unstressed
	Purity 99%		+/-	120.9961	µg/mL	Stressed
5	Propyl acetate	2,000.5 µg/mL (Lot FGL01)	+/-	11.7401	µg/mL	Gravimetric
	CAS # 109-60-4		+/-	120.7096	µg/mL	Unstressed
	Purity 99%		+/-	120.9961	µg/mL	Stressed
6	Butyl acetate	2,006.5 µg/mL (Lot SHBH0056V)	+/-	11.7753	µg/mL	Gravimetric
	CAS # 123-86-4		+/-	121.0716	µg/mL	Unstressed
	Purity 99%		+/-	121.3590	µg/mL	Stressed
7	Amyl acetate	2,006.5 µg/mL (Lot 41325/1)	+/-	11.7753	µg/mL	Gravimetric
	CAS # 628-63-7		+/-	121.0716	µg/mL	Unstressed
	Purity 99%		+/-	121.3590	µg/mL	Stressed



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0135430

Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Flution Order	Chemical Name	Concn. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)	Method
1	Vinyl acetate CAS # 108-05-4 Purity 99%	8,034.0 µg/mL (Lot STBD7333V)	+/- 47.1480 µg/mL +/- 484.7692 µg/mL +/- 485.9199 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-FL **Lot No.:** A0135482

Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2018 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Lot on Order	Component	Concentration (weight/volume)	Expanded Uncertainty (95% C.I. K=2)
1	Vinyl acetate CAS # 108-05-4 Purity 99%	8,080.0 µg/mL (Lot STBD7333V)	+/- 47.4180 µg/mL +/- 487.5448 µg/mL +/- 488.7021 µg/mL
			Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

Certificate of Analysis



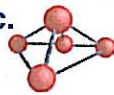
FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0133860
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : September 30, 2024 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Stock Concentration (µg/mL)	Expanded Uncertainty (95% C.I. K=2)			
1	Dichlorodifluoromethane (CFC-12) CAS # 75-71-8 (Lot Q167-08) Purity 99%	1,998.8 µg/mL	+/- 14.4274 µg/mL	+/- 112.3986 µg/mL	+/- 115.0135 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) CAS # 74-87-3 (Lot SHBH5831) Purity 99%	1,999.5 µg/mL	+/- 14.0384 µg/mL	+/- 112.3858 µg/mL	+/- 115.0028 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride CAS # 75-01-4 (Lot 00012557) Purity 99%	2,003.8 µg/mL	+/- 19.9391 µg/mL	+/- 113.5098 µg/mL	+/- 116.1124 µg/mL	Gravimetric Unstressed Stressed
4	Bromomethane (methyl bromide) CAS # 74-83-9 (Lot 101604) Purity 99%	2,002.0 µg/mL	+/- 15.8849 µg/mL	+/- 112.7689 µg/mL	+/- 115.3835 µg/mL	Gravimetric Unstressed Stressed
5	Chloroethane (ethyl chloride) CAS # 75-00-3 (Lot 107-401039114-1) Purity 99%	1,999.9 µg/mL	+/- 16.6181 µg/mL	+/- 112.7603 µg/mL	+/- 115.3698 µg/mL	Gravimetric Unstressed Stressed
6	Trichlorofluoromethane (CFC-11) CAS # 75-69-4 (Lot SHBG7531V) Purity 99%	2,001.7 µg/mL	+/- 13.7650 µg/mL	+/- 112.4716 µg/mL	+/- 115.0921 µg/mL	Gravimetric Unstressed Stressed



CERTIFIED WEIGHT REPORT: Uncertainty < +/-0.5% Stated Values.

Part Number: 95317
Lot Number: 041116
Description: Universal VOA Megamix
69 components

Solvent(s): Lot#
Methanol DM417Q19

Formulated By:
Paul Barron 041116
Paul Barron DATE

Reviewed By:
Pedro L. Rentas 041116
Pedro L. Rentas DATE

Expiration Date: 041119
Recommended Storage: Freezer (0 °C)
Nominal Concentration (ug/mL): 2000

NIST Test ID#: 822-275872-11

Weight(s) & Volume(s) shown below were combined and diluted to: 100 mL

Compound	(RM#)	Lot	Dil	Initial	Initial	Nominal	Purity	Max. Target	Actual	Actual	MSDS Information												
											Part Number	Number	Factor	Vol. (mL)	Conc. (µg/mL)	Conc. (µg/mL)	(*)	Weight(g)	Weight(g)	Conc (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	SHBB3649V	na	na	na	2000	99.8	0.20040	0.20060	2002.0	75-05-8	40 ppm (20mg/m ³ /8h)	or rat 2460mg/kg										
2. Allyl chloride (3-Chloropropene)	(0325)	102396	na	na	na	2000	99	0.20202	0.20225	2002.3	107-05-1	1 ppm (3mg/m ³ /8h)	or rat 700mg/kg										
3. Carbon disulfide	(0600)	PO 12273PD	na	na	na	2000	99	0.20202	0.20220	2001.8	75-15-0	4 ppm (12mg/m ³) (skin)	or rat 1200mg/kg										
4. cis-1,4-Dichloro-2-butene	(1199)	14718EF	na	na	na	2000	95	0.21053	0.21078	2002.4	1476-11-5	N/A	N/A										
5. trans-1,4-Dichloro-2-butene	(0486)	12218HC	na	na	na	2000	98	0.20408	0.20430	2002.1	110-57-6	N/A	N/A										
6. Diethyl ether (Ethyl ether)	(0153)	02553HC	na	na	na	2000	99.9	0.20020	0.20035	2001.5	60-29-7	400 ppm (120mg/m ³ /8h)	or rat 1215mg/kg										
7. Ethyl methacrylate	(0381)	01261PX	na	na	na	2000	99	0.20202	0.20230	2002.8	97-63-2	1 ppm (10mg/m ³) (skin)	or rat 1400mg/kg										
8. Iodomethane	(0489)	12909DD	na	na	na	2000	99	0.20202	0.20215	2001.3	74-88-4	5 ppm (29mg/m ³ /30min)	or rat 110mg/kg										
9. Isobutanol	(0445)	15241EB	na	na	na	2000	99.5	0.20101	0.20128	2002.7	78-83-1	100 ppm (100mg/m ³) (CL)	or rat 2460mg/kg										
10. Methacrylonitrile	(0442)	00427ET	na	na	na	2000	99	0.20202	0.20220	2001.8	126-98-7	1 ppm (3mg/m ³ /8h)(skin)	or rat 120mg/kg										
11. Methyl acrylate	(1075)	05208XK	na	na	na	2000	99	0.20202	0.20230	2002.8	96-33-3	10 ppm (35mg/m ³ /8h)(skin)	or rat 277mg/kg										
12. Methyl methacrylate	(0404)	03021BX	na	na	na	2000	99	0.20202	0.20240	2003.8	80-82-6	100 ppm (410mg/m ³ /8h)	or rat 787mg/kg										
13. Nitrobenzene	(0228)	01213TV	na	na	na	2000	99	0.20202	0.20210	2000.8	98-95-3	1 ppm (5mg/m ³ /8h)(skin)	or rat 780mg/kg										
14. 2-Nitropropane	(0461)	14002JX	na	na	na	2000	95	0.21053	0.21090	2003.6	79-46-9	10 ppm (35mg/m ³ /8h)	or rat 720mg/kg										
15. Pentachloroethane	(0450)	HGA01	na	na	na	2000	98	0.20408	0.20430	2002.1	76-01-7	N/A	N/A										
16. 1,1,2-Trichloro-1,2,2-trifluoroethane	(0474)	01221PY	na	na	na	2000	99	0.20202	0.20230	2002.8	76-13-1	1000 ppm (7600mg/m ³ /8h)	or rat 43g/kg										
17. Bromodichloromethane	35171	101615	0.05	5.00	40012.7	2000	na	na	na	2000.6	75-27-4	N/A	or rat 916mg/kg										
18. Dibromochloromethane	35171	101615	0.05	5.00	40005.8	2000	na	na	na	2000.3	124-48-1	N/A	or rat 848mg/kg										
19. cis-1,2-Dichloroethane	35171	101615	0.05	5.00	40006.7	2000	na	na	na	2000.3	156-59-2	N/A	N/A										
20. trans-1,2-Dichloroethane	35171	101615	0.05	5.00	40004.9	2000	na	na	na	2000.2	156-60-2	N/A	or rat 1235mg/kg										
21. Methylene chloride	35171	101615	0.05	5.00	40002.2	2000	na	na	na	2000.1	75-09-2	500 ppm	or rat 2136mg/kg										
22. 1,1-Dichloroethane	32251	012816	0.10	10.00	20002.6	2000	na	na	na	2000.3	75-35-4	1 ppm (4mg/m ³ /8h)	or rat 200mg/kg										
23. Bromoform	95321	012114	0.10	10.00	20004.6	2000	na	na	na	2000.5	75-25-2	0.5 ppm (5mg/m ³) (skin)	or rat 1147mg/kg										
24. Carbon tetrachloride	95321	012114	0.10	10.00	20004.4	2000	na	na	na	2000.4	56-23-5	2 ppm (12mg/m ³ /8h)	or rat 235mg/kg										
25. Chloroform	95321	012114	0.10	10.00	20005.9	2000	na	na	na	2000.6	67-66-3	5.0 ppm (240mg/m ³) (CL)	or rat 908mg/kg										
26. Dibromomethane	95321	012114	0.10	10.00	20006.8	2000	na	na	na	2000.7	74-95-3	N/A	or rat 108mg/kg										
27. 1,1-Dichloroethane	95321	012114	0.10	10.00	20004.9	2000	na	na	na	2000.5	75-34-3	100 ppm	or rat 725mg/kg										
28. 2,2-Dichloropropane	95321	012114	0.10	10.00	20002.7	2000	na	na	na	2000.3	594-20-7	N/A	N/A										
29. Tetrachloroethane	95321	012114	0.10	10.00	20003.7	2000	na	na	na	2000.4	127-18-4	15 ppm (170mg/m ³ /8h)(skin)	or rat 2629mg/kg										
30. 1,1,1-Trichloroethane	95321	012114	0.10	10.00	20005.9	2000	na	na	na	2000.6	71-55-6	350 ppm (1900mg/m ³ /8h)	or rat 10300mg/kg										
31. 1,2-Dibromo-3-chloropropane	35161	021016	0.05	5.00	40004.2	2000	na	na	na	2000.2	96-12-8	0.001 ppm	or rat 170mg/kg										
32. 1,2-Dibromoethane	35161	021016	0.05	5.00	40002.7	2000	na	na	na	2000.1	106-93-4	20 ppm (8H)	or rat 168mg/kg										
33. 1,2-Dichloroethane	35161	021016	0.05	5.00	40025.5	2000	na	na	na	2041.3	107-06-2	50 ppm (8H)	or rat 670mg/kg										
34. 1,2-Dichloropropane	35161	021016	0.05	5.00	40003.2	2000	na	na	na	2000.2	78-87-5	75 ppm (350mg/m ³ /8h)	or rat 1947mg/kg										
35. 1,3-Dichloropropane	35161	021016	0.05	5.00	40006.2	2000	na	na	na	2000.3	142-28-9	N/A	or rat 520mg/kg										
36. 1,1-Dichloropropane	35161	021016	0.05	5.00	40006.2	2000	na	na	na	2000.3	563-50-6	N/A	N/A										
37. cis-1,3-Dichloropropene	35161	021016	0.05	5.00	40003.9	2000	na	na	na	2000.2	10061-01-5	N/A	N/A										
38. trans-1,3-Dichloropropene	35161	021016	0.05	5.00	40007.3	2000	na	na	na	2000.4	10061-02-6	N/A	N/A										
39. Hexachloro-1,3-butadiene	35161	021016	0.05	5.00	40009.4	2000	na	na	na	2000.4	87-68-3	0.02 ppm (0.24mg/m ³ /8h)	or rat 62mg/kg										
40. 1,1,1,2-Tetrachloroethane	35161	021016	0.05	5.00	40012.1	2000	na	na	na	2000.6	630-20-6	N/A	or rat 670mg/kg										
41. 1,1,2,2-Tetrachloroethane	35161	021016	0.05	5.00	40004.1	2000	na	na	na	2000.2	79-34-5	5 ppm (35mg/m ³ /8h)(skin)	or rat 800mg/kg										
42. 1,1,2-Trichloroethane	35161	021016	0.05	5.00	40008.8	2000	na	na	na	2000.4	79-00-5	10 ppm (45mg/m ³ /8h)(skin)	or rat 616mg/kg										
43. Trichloroethane	35161	021016	0.05	5.00	40008.3	2000	na	na	na	2000.4	79-01-6	50 ppm (270mg/m ³ /8h)	or rat 2402mg/kg										
44. 1,2,3-Trichloropropane	35161	021016	0.05	5.00	40005.7	2000	na	na	na	2000.3	96-18-4	10 ppm (60mg/m ³ /8h)	or rat 143.6mg/kg										
45. Benzene	35162	021616	0.05	5.00	40047.5	2000	na	na	na	2002.4	71-43-2	1 ppm	or rat 4894mg/kg										
46. Bromobenzene	35162	021616	0.05	5.00	40012.2	2000	na	na	na	2000.6	108-86-1	N/A	or rat 2639mg/kg										
47. n-Butyl benzene	35162	021616	0.05	5.00	40047.2	2000	na	na	na	2002.4	104-51-8	N/A	N/A										
48. Ethyl benzene	35162	021616	0.05	5.00	40010.5	2000	na	na	na	2000.5	100-41-4	100 ppm (435mg/m ³ /8h)	or rat >2000mg/kg										
49. p-Isopropyl toluene	35162	021616	0.05	5.00	40055.2	2000	na	na	na	2002.8	99-07-6	N/A	or rat 4750mg/kg										
50. Naphthalene	35162	021616	0.05	5.00	40015.2	2000	na	na	na	2000.8	91-20-3	10 ppm (50mg/m ³ /8h)	or rat 430mg/kg										
51. Styrene	35162	021616	0.05	5.00	40052.8	2000	na	na	na	2002.6	100-42-5	100 ppm	or rat 5000mg/kg										
52. Toluene	35162	021616	0.05	5.00	40009.3	2000	na	na	na	2000.5	108-88-3	200 ppm	or rat 5000mg/kg										
53. 1,2,3-Trichlorobenzene	35162	021616	0.05	5.00	40046.1	2000	na	na	na	2002.3	87-61-6	N/A	or rat 1390mg/kg										
54. 1,2,4-Trichlorobenzene	35162	021616	0.05	5.00	40010.7	2000	na	na	na	2000.5	120-82-1	5 ppm (CL) (40mg/m ³)	or rat 746mg/kg										
55. 1,2,4-Trimethylbenzene	35162	021616	0.05	5.00	40015.3	2000	na	na	na	2000.8	95-03-6	N/A	or rat 5g/kg										
56. 1,3,5-Trimethylbenzene	35162	021616	0.05	5.00	40002.0	2000	na	na	na	2000.1	108-67-8	N/A	N/A										
57. m-Xylene	35162	021616	0.05	5.00	40036.0	2000	na	na	na	2001.8	108-38-3	100 ppm (435mg/m ³ /8h)	or rat 5g/kg										
58. tert-Butyl benzene	35163	021616	0.05	5.00	40041.8	2000	na	na	na	2002.1	98-06-6	N/A	N/A										
59. sec-Butyl benzene	35163	021616	0.05	5.00	40025.5	2000	na	na	na	2001.3	135-98-8	N/A	or rat 2240mg/kg										
60. Chlorobenzene	35163	021616	0.05	5.00	40070.1	2000	na	na	na	2003.5	108-90-7	75 ppm (350mg/m ³ /8h)	or rat 2230mg/kg										
61. 2-Chlorotoluene	35163	021616	0.05	5.00	40024.5	2000	na	na	na	2001.2	95-49-8	50 ppm (250mg/m ³ /8h)	or rat 3900mg/kg										
62. 4-Chlorotoluene	35163	021616	0.05	5.00	40023.6	2000	na	na	na	2001.2	106-43-4	N/A	or rat 2100mg/kg										
63. 1,2-Dichlorobenzene	35163	021616	0.05	5.00	40085.2	2000	na	na	na	2004.3	95-50-1	50 ppm (300mg/m ³) (CL)	or rat 500mg/kg										
64. 1,3-Dichlorobenzene	35163	021616	0.05	5.00	40009.4	2000	na	na	na	2000.5	541-73-1	N/A	or rat 1062mg/kg										
65. 1,4-Dichlorobenzene	35163	021616	0.05	5.00	40049.4	2000	na	na	na	2002.5	106-46-7	75 ppm (450mg/m ³ /8h)	or rat 500mg/kg										
66. Isopropylbenzene	35163	021616	0.05	5.00	40036.3	2000	na	na	na	2001.8	98-82-8	50 ppm (245mg/m ³ /8h)	or rat 1400mg/kg										
67. n-Propylbenzene	35163	021616	0.05	5.00	40048.9	2000	na	na	na	2002.4	103-85-1	N/A	or rat 6040mg/kg										
68. o-Xylene	35163	021616	0.05	5.00	40043.3	2000	na	na	na	2002.2	95-47-8	100 ppm (435mg/m ³ /8h)	or rat 1364mg/kg										
69. p-Xylene	35163	021616	0.05	5.00	40025.1	2000	na	na	na	2001.3	106-42-3	100 ppm (435mg/m ³ /8h)	or rat 5g/kg										

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Methanol
 ULTRA RESI-ANALYZED
 For Purge and Trap Analysis



Material No.: 9077-02
 Batch No.: 0000177891
 Manufactured Date: 2017/06/23
 Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.4000
Titration Acid (µeq/g)	<= 0.3	0.3
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
 Performance Tested for Use in EPA Methods
 500 Series for Drinking Water
 600 Series for Wastewater
 846 for Solid Waste

Country of Origin: US
 Packaging Site: Phillipsburg Mfg Ctr & DC



Phillipsburg, NJ 9001 2009 14001 2004 FSSC 22000
 Paris, KY 9001 2008
 Mexico City, Mexico 9001 2008
 Delft, The Netherlands 9001 2008 14001 2007 13495 2013
 Ghazee, Poland 9001 2008 13495 2013
 Selangor, Malaysia 9001 2008
 Dehradun, India 9001 2008 14001 2004 13495 2013
 Mumbai, India 9001 2008
 Pune, India 9001 2008

James T. [Signature]
 Director of Quality
 Avantor Performance Materials, LLC

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
 Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034, U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 0000178208
Manufactured Date: 2017/06/23
Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.3000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

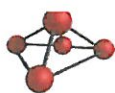
Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

ISO Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **072518**
Description: **Acrolein**

Solvent(s): **Water**
Lot#: **020618Q**

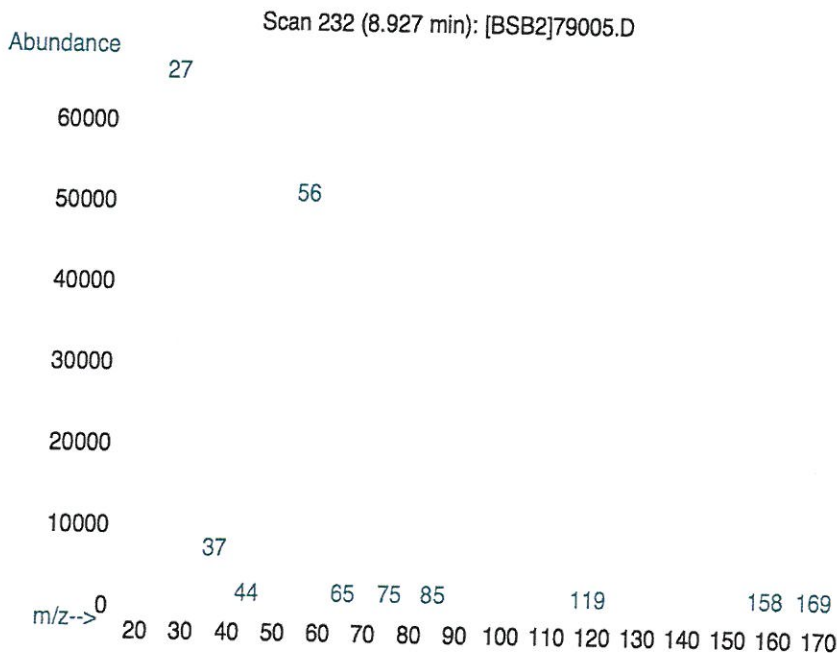
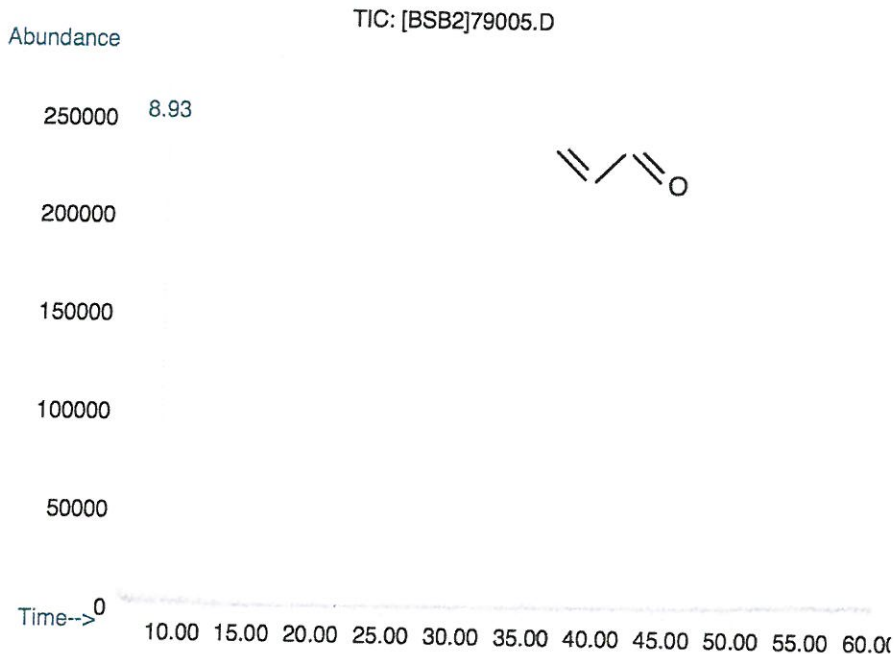
<i>Justin Dippold</i>		072518
Formulated By:	Justin Dippold	DATE
<i>Pedro L. Rentas</i>		072518
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **082518**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **5000**
NIST Test ID#: **2684186**

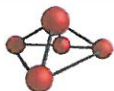
Weight(s) shown below were combined and diluted to (mL):
10.0 5E-05 Balance Uncertainty
0.007 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	04715LL	5000	97	0.2	0.05157	0.05164	5007.1	23.8	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 072618
Description: Acrolein

Solvent(s): Water
Lot# 020618Q

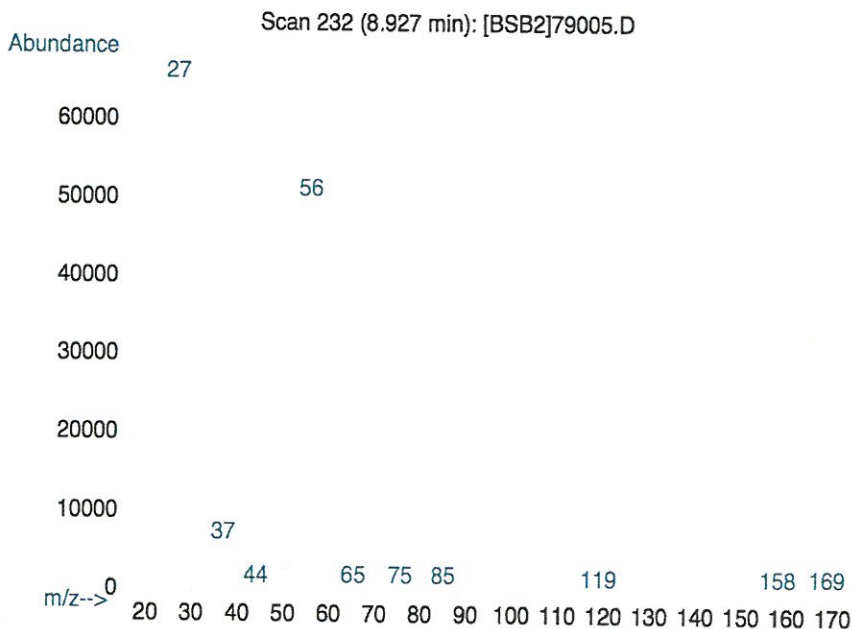
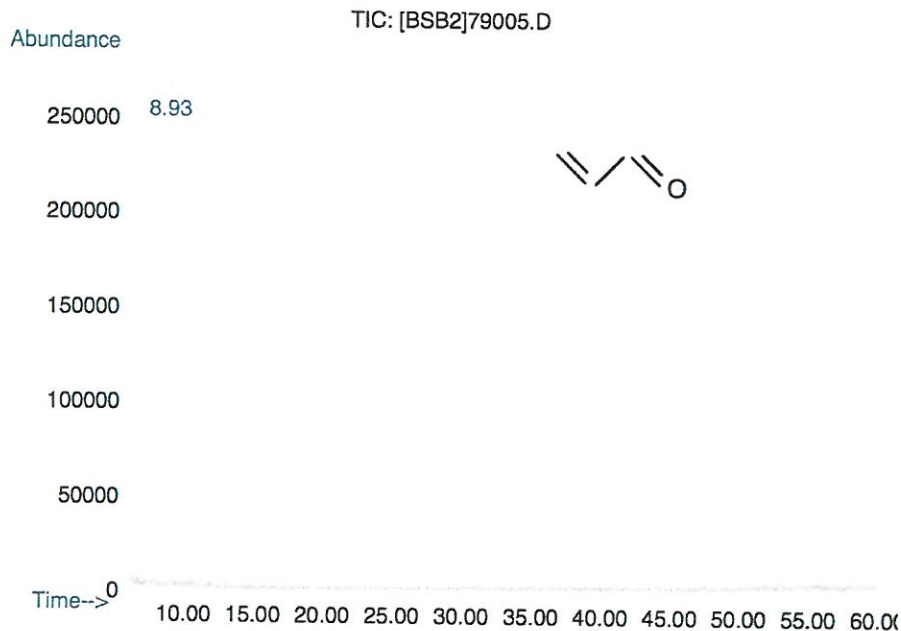
Expiration Date: 082618
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 2684186

Weight(s) shown below were combined and diluted to (mL): 20.0
5E-05 Balance Uncertainty
0.002 Flask Uncertainty

<i>Eli Aliaga</i>		072618
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		072618
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	07813BN	5000	97	0.2	0.10302	0.10320	5008.9	21.2	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Methanol
 ULTRA RESI-ANALYZED
 For Purge and Trap Analysis



Material No.: 9077-02
 Batch No.: 0000178208
 Manufactured Date: 2017/06/23
 Expiration Date: 2019/06/21

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Residue after Evaporation	<= 1.0000 ppm	0.3000
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.1	<0.01
Water (by KF, coulometric)	<= 0.08 %	< 0.01
Photoionization Detection (PID) Below CRQL	Passes Test	PT
Electroconductivity Detection (ELCD) Below CRQL	Passes Test	PT

For Laboratory, Research or Manufacturing Use
 Performance Tested for Use in EPA Methods
 500 Series for Drinking Water
 600 Series for Wastewater
 846 for Solid Waste

Country of Origin: US
 Packaging Site: Phillipsburg Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
 Paris, KY 9001:2008
 Mexico City, Mexico 9001:2008
 Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
 Gliwice, Poland 9001:2008, 13485:2012
 Selangor, Malaysia 9001:2008
 Dehradun, India, 9001:2008, 14001:2004, 13485:2003
 Mumbai, India, 9001:2008
 Panoli, India 9001:2008

Jamie Ethier
 Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
 Avantor Performance Materials, LLC.
 3477 Corporate Parkway, Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 Lot No.: A0137584

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : October 31, 2018 Storage: 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Methyl acetate	2,010.0 µg/mL (Lot SHBG4345V)	+/-	11.7958	µg/mL	Gravimetric
	CAS # 79-20-9		+/-	121.2828	µg/mL	Unstressed
	Purity 99%		+/-	121.5707	µg/mL	Stressed
2	Vinyl acetate	2,010.7 µg/mL (Lot STBD7333V)	+/-	11.7997	µg/mL	Gravimetric
	CAS # 108-05-4		+/-	121.3230	µg/mL	Unstressed
	Purity 99%		+/-	121.6110	µg/mL	Stressed
3	Ethyl acetate	2,006.0 µg/mL (Lot SHBH7407)	+/-	11.7723	µg/mL	Gravimetric
	CAS # 141-78-6		+/-	121.0414	µg/mL	Unstressed
	Purity 99%		+/-	121.3288	µg/mL	Stressed
4	Isopropyl acetate	2,008.0 µg/mL (Lot BCBR9533V)	+/-	11.7841	µg/mL	Gravimetric
	CAS # 108-21-4		+/-	121.1621	µg/mL	Unstressed
	Purity 99%		+/-	121.4497	µg/mL	Stressed
5	Propyl acetate	2,002.7 µg/mL (Lot FGL01)	+/-	11.7528	µg/mL	Gravimetric
	CAS # 109-60-4		+/-	120.8403	µg/mL	Unstressed
	Purity 99%		+/-	121.1272	µg/mL	Stressed
6	Butyl acetate	2,006.7 µg/mL (Lot SHBH0056V)	+/-	11.7762	µg/mL	Gravimetric
	CAS # 123-86-4		+/-	121.0817	µg/mL	Unstressed
	Purity 99%		+/-	121.3691	µg/mL	Stressed
7	Amyl acetate	2,004.7 µg/mL (Lot 41325/1)	+/-	11.7645	µg/mL	Gravimetric
	CAS # 628-63-7		+/-	120.9610	µg/mL	Unstressed
	Purity 99%		+/-	121.2481	µg/mL	Stressed

SHIPPING DOCUMENTS

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CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
 (908) 789-8900 Fax (908) 789-8922
 www.chemtech.net

Package #2
 1 of 1

CHEMTECH PROJECT NO.
 QUOTE NO. **J4469**
 COC Number **2021452**

CLIENT INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION	
REPORT TO BE SENT TO:					
COMPANY: <u>Day Environmental, Inc.</u>	PROJECT NAME: <u>Andrews St. Site</u>	BILL TO: <u>Day Environmental, Inc.</u>	PO#: <u>53345-17</u>		
ADDRESS: <u>1563 Lyell Avenue</u>	PROJECT NO.: <u>53345-17</u> LOCATION: <u>Rochester, NY</u>	ADDRESS: <u>1563 Lyell Avenue</u>			
CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>	PROJECT MANAGER: <u>Jeff Danzinger</u>	CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14606</u>			
ATTENTION: <u>Jeff Danzinger</u>	e-mail: <u>jdanzinger@daymail.net</u>	ATTENTION: <u>Jeff Danzinger</u> PHONE: <u>585-454-6210</u>			
PHONE: <u>585-454-0210</u> FAX: <u>585-454-0825</u>	PHONE: <u>585-454-0210</u> FAX: <u>585-454-0825</u>	ANALYSIS			

DATA TURNAROUND INFORMATION	DATA DELIVERABLE INFORMATION
FAX: _____ DAYS *	<input type="checkbox"/> RESULTS ONLY <input type="checkbox"/> USEPA CLP
HARD COPY: _____ DAYS *	<input type="checkbox"/> RESULTS + QC <input checked="" type="checkbox"/> New York State ASP "B"
EDD: <u>15</u> DAYS *	<input type="checkbox"/> New Jersey REDUCED <input type="checkbox"/> New York State ASP "A"
PREAPPROVED TAT: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> New Jersey CLP <input type="checkbox"/> Other _____
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS	<input checked="" type="checkbox"/> EDD FORMAT <u>NYSDDEC Equip Excl</u>

MeOH extraction requires an additional 4 oz jar for percent solid.

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other			
			COMP	GRAB	DATE	TIME		A/E												
								1	2	3	4	5	6	7	8	9				
1.	956-IW-13(19)	GW	X		8-13-18	1040	2	X												
2.	957-IW-14(17)	GW	X		8-13-18	1044	2	X												
3.	958-IW-15(19)	GW	X		8-13-18	1046	2	X												
4.	959-IW-16(19)	GW	X		8-13-18	1049	2	X												
5.	960-IW-21(17)	GW	X		8-13-18	1054	2	X												
6.	961-IW-22(17)	GW	X		8-13-18	1059	2	X												
7.																				
8.																				
9.																				
10.																				

TCL VOLS + TALS 8260

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. <u>[Signature]</u>	<u>8-13-18/1600</u>	1. <u>FED-EX</u>
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2. _____	_____	2. _____
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3. <u>FedEx</u>	<u>8/14/18/1045</u>	3. <u>[Signature]</u>

Comments: Data Package #2 to contain samples 956 to 961

IRUNN#1

Cooler Temp.: 4.6°C

Shipment Complete: Yes No

By Client: FEDEX

By Chemtech: _____

J4469

ORIGIN ID: CDWA (585) 454-
JEFF DANZINGER
DAY ENVIRONMENTAL INC
1563 LYELL AVE
CANALSIDE BUSINESS CENTER
ROCHESTER, NY 14606
UNITED STATES US

1517
08.14

ATE: 11JUL18
: 25.00 LB MAN
CAD: 0403399/CAFE3210

Part # 16297-435 RFDG Exp 12/18
3901/2538/23155

TO **GEORGE
CHEMTECH
284 SHEFFIELD ST**

MOUNTAINSIDE NJ 07092

(908) 728-3144
THU:
PO:

REF:
DEPT:

RMA: [Barcode]



**FedEx
Express**

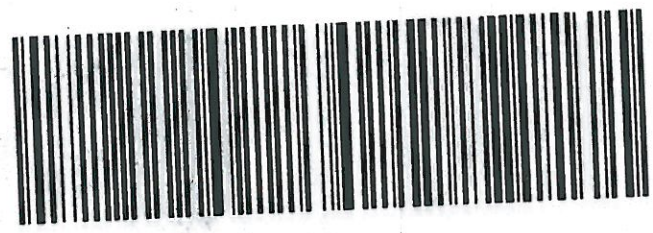


FedEx
TRK# 4329 0653 1517
0221

DU *single 1045 4.60*
**TUE - 14 AUG 3:00P
STANDARD OVERNIGHT**

XA KBCA

**07092
NJ-US EWR**



#258404 08/13 552J1/3309/DCA8


Laboratory Certification


Certified By	License No.
CAS EPA CLP Contract	EP-W-14-030
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Florida	E87935
Maine	2012025
Maryland	296
New Hampshire	255413
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-13-00380
Texas	T104704488-13-5

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Order ID : J4469	DAYE01	Order Date : 08/13/2018	Project Mgr :
Client Name : Day Environmental, Inc.		Project Name : Andrew St. RI	Report Type : NYS ASP B
Client Contact : Jeff Danzinger		Receive DateTime : 8/14/2018 10:45:00 AM	EDD Type : Equis_EQNYDEC/Excel
Invoice Name : Day Environmental, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Jeff Danzinger		Login Tech : ankit	Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	COMMET	FAX DATE	DUE DATES
J4469-01	956-IW-13(19)	Water	08/13/2018	10:40	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J4469-02	957-IW-14(17)	Water	08/13/2018	10:44	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J4469-03	958-IW-15(19)	Water	08/13/2018	10:46	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J4469-04	959-IW-16(19)	Water	08/13/2018	10:49	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J4469-05	960-IW-21(17)	Water	08/13/2018	10:54	VOC-TCLVOA-10		8260-Low			5 Bus. Days
J4469-06	961-IW-22(17)	Water	08/13/2018	10:59	VOC-TCLVOA-10		8260-Low			5 Bus. Days

Relinquished By : 
 Date / Time : 8/14/18 12:45

Received By : 
 Date / Time : 08/14/18 14:55

Storage Area : VOA Refridgerator Room

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Andrew St. RI
Chemtech SDG#I7090
June 12, 2018
Sampling date: 12/27/17

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Andrew St. RI
SDG# I7090

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at Andrew St. RI, Chemtech SDG #I7090 submitted to Vali-Data of WNY, LLC on April 30, 2018. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Compound Quantitation.

Samples; 912-MW-01(23) and 924-MW-19(28) were diluted due to high target analyte concentration.

Samples; 914-MW-03A(17) and 922-MW-17(15.5) were diluted due to poor sample matrix.

DATA COMPLETENESS

All criteria were met.

Andrew St. RI

SDG# I7090

NARRATIVE AND DATA REPORTING FORMS

All criteria were met. Method Detection limits were recorded on the Form 1's. Results were not recorded to three significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of 4-Bromofluorobenzene was outside ASP QC limits, low in 912-MW-01(23), 912-MW-01(23)dl, 921-MW-16(22.5), 924-MW-19(28)dl and 925-MW-20(22). Associated target analytes in these samples should be qualified as estimated.

The %Rec of Toluene-d₈ was outside ASP QC limits, high in 913-MW-02(23.8) and 918-MW-07(22.5)MS. Associated target analytes detected in these samples should be qualified as estimated high.

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

All criteria were met.

COMPOUND QUANTITATION

All criteria were met except Acetone was detected above the reporting limit in 926-FB122717. Associated samples in which this target analyte was detected below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which this target analyte was detected above the reporting limit, below the blank concentration should be reported with the sample result and 'undetected'. Associated samples in which this target analyte was detected above twice the blank concentration should be qualified as estimated high.

INITIAL CALIBRATION

All criteria were met.

Andrew St. RI

SDG# I7090

Alternate forms of regression were used for target analytes in which the %RSD > 20.5%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

Attachment D
Site-Wide Inspection Form

Site-Wide Inspection Form
300, 304-308 and 320 Andrews Street and 25 Evans Street
Rochester, New York
NYSDEC ERP Project #E828144

Date of Inspection Site Visit: July 26, 2018

Personnel Performing Inspection Site Visit: J/ Danzinger and C. Demian

Affiliation of Personnel: Day Environmental, Inc.

1. Check integrity of impermeable portions (e.g., concrete) of cover system, including whether any sloughing, cracks, settlement, damage, etc.

Discuss observations and any corrective actions: Concrete slabs in good condition.

2. Check integrity of earthen portions (e.g., crusher run #2 stone) cover system, including whether any erosion, settlement, damage, etc.

Discuss observations and any corrective actions Crusher Run #2 stone cover material in good condition. No visual erosion, settlement or damage.

3. Check integrity of monitoring wells, including whether any damage, etc.

Discuss observations and any corrective actions Monitoring wells observed in good condition.

4. Provide any other notes or observations of interest

None

Attachment E

Institutional and Engineering Controls Certification Form



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



	Site Details	Box 1	
Site No.	E828144		
Site Name Andrews Street Site			
Site Address: 300, 304-308, 320 Andrews St., 25 Evans St. Zip Code: 14604			
City/Town: Rochester			
County: Monroe			
Site Acreage: 1.5			
Reporting Period: September 1, 2017 to August 31, 2018			
		YES	NO
1.	Is the information above correct?	<input checked="" type="radio"/>	<input type="radio"/>
If NO, include handwritten above or on a separate sheet.			
2.	Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	<input type="radio"/>	<input checked="" type="radio"/>
3.	Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	<input type="radio"/>	<input checked="" type="radio"/>
4.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	<input type="radio"/>	<input checked="" type="radio"/>
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.			
5.	Is the site currently undergoing development?	<input type="radio"/>	<input checked="" type="radio"/>
		Box 2	
		YES	NO
6.	Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	<input checked="" type="radio"/>	<input type="radio"/>
7.	Are all ICs/ECs in place and functioning as designed?	<input checked="" type="radio"/>	<input type="radio"/>
IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.			
A Corrective Measures Work Plan must be submitted along with this form to address these issues.			
_____ Signature of Owner, Remedial Party or Designated Representative		_____ Date	

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
106.72-01-84	City of Rochester	Landuse Restriction Soil Management Plan Monitoring Plan Site Management Plan Ground Water Use Restriction IC/EC Plan

Imposition of an institutional control in the form of an environmental easement for the controlled property that:

- requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allows the use and development of the controlled property for restricted residential as defined by Part 375 1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH; and
- requires compliance with the Department approved Site Management Plan.

106.72-01-85	City of Rochester	Ground Water Use Restriction Soil Management Plan Monitoring Plan Site Management Plan Landuse Restriction IC/EC Plan
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Imposition of an institutional control in the form of an environmental easement for the controlled property that:

- requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allows the use and development of the controlled property for restricted residential as defined by Part 375 1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH; and
- requires compliance with the Department approved Site Management Plan.

106.72-01-86	City of Rochester	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan Monitoring Plan IC/EC Plan
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Imposition of an institutional control in the form of an environmental easement for the controlled property that:

- requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allows the use and development of the controlled property for restricted residential as defined by Part 375 1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH; and
- requires compliance with the Department approved Site Management Plan.

106.72-01-87	City of Rochester	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan
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Imposition of an institutional control in the form of an environmental easement for the controlled property that:

- requires the remedial party or site owner to complete and submit to the Department a periodic

certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);

- allows the use and development of the controlled property for restricted residential as defined by Part 375 1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH; and
- requires compliance with the Department approved Site Management Plan.

Box 4

Description of Engineering Controls

Parcel

Engineering Control

106.72-01-84

Cover System

A site cover currently exists and will be maintained to allow for restricted residential use of the site. Any site redevelopment will maintain the existing site cover, which consists either of the structures such as buildings, pavement, sidewalks or soil where the upper one foot of exposed surface soil meets the applicable soil cleanup objectives (SCOs) for restricted residential use. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6NYCRR part 375-6.7(d).

106.72-01-85

Cover System

A site cover currently exists and will be maintained to allow for restricted residential use of the site. Any site redevelopment will maintain the existing site cover, which consists either of the structures such as buildings, pavement, sidewalks or soil where the upper one foot of exposed surface soil meets the applicable soil cleanup objectives (SCOs) for restricted residential use. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6NYCRR part 375-6.7(d).

106.72-01-86

Cover System

A site cover currently exists and will be maintained to allow for restricted residential use of the site. Any site redevelopment will maintain the existing site cover, which consists either of the structures such as buildings, pavement, sidewalks or soil where the upper one foot of exposed surface soil meets the applicable soil cleanup objectives (SCOs) for restricted residential use. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6NYCRR part 375-6.7(d).

106.72-01-87

Cover System

A site cover currently exists and will be maintained to allow for restricted residential use of the site. Any site redevelopment will maintain the existing site cover, which consists either of the structures such as buildings, pavement, sidewalks or soil where the upper one foot of exposed surface soil meets the applicable soil cleanup objectives (SCOs) for restricted residential use. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6NYCRR part 375-6.7(d).

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. E828144

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Joseph Biondolillo at 30 Church Street, Rochester, New York 14614,
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Joseph Biondolillo
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

9-26-18
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

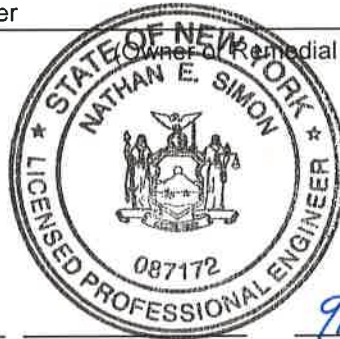
I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Nathan E. Simon at 1563 Lyell Avenue, Rochester, New York 14606
print name print business address

I am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification



Stamp
(Required for PE)



Date